

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

*Numbers & Oddities*  
 Numbers & Oddities  
 a.k.a. *The Spooks Newsletter*  
 The Spooks Newsletter  
*Edition #310, July 2023*

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)  
 Numbers & Oddities <http://www.numbersoddities.nl>

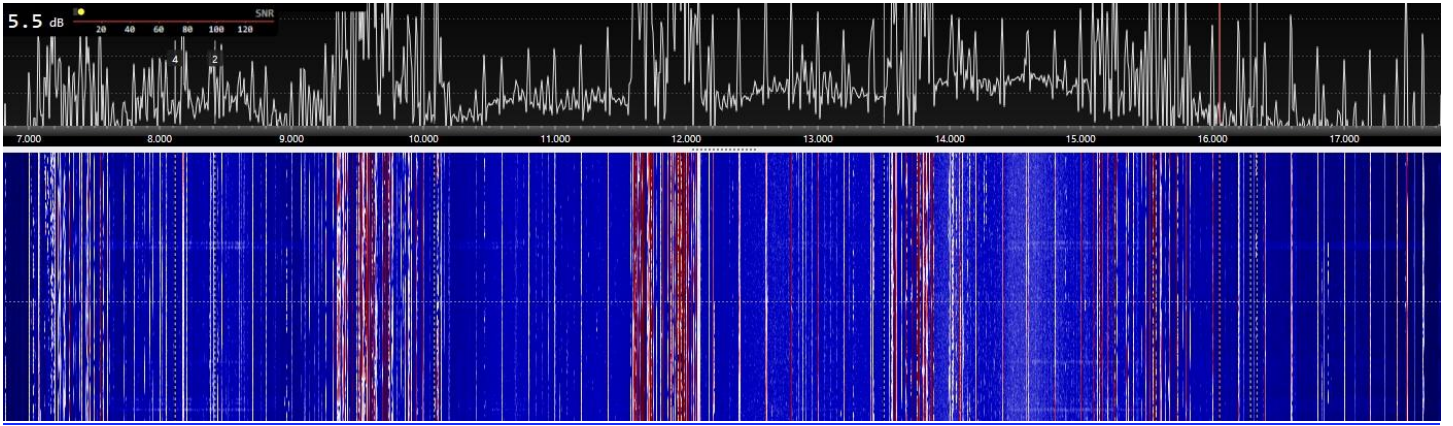
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

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

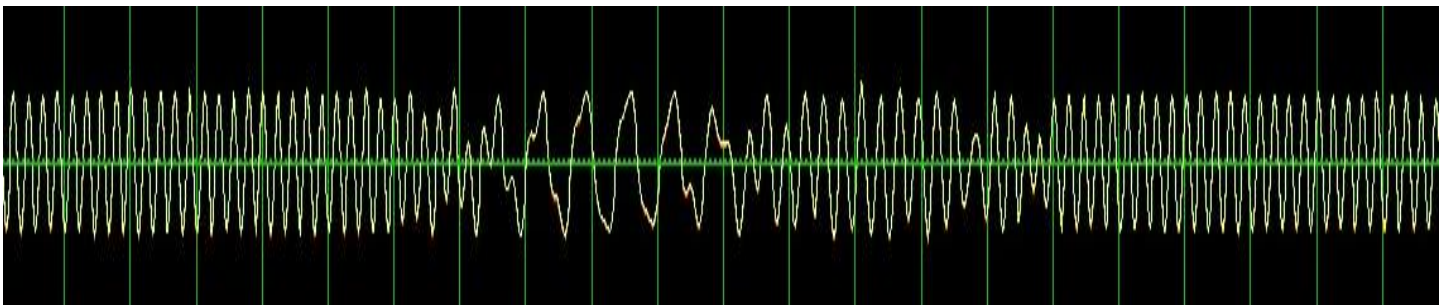


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# CONTENT



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## FOREWORD

It was a busy month and I had much less time for the hobby than usual, but still N&O is filled with logs and transcripts. We received 3226 logs this month, 457 of which between 2 and 5 August, so that kept me busy. A big THANKS to all contributors !

The Russians surprised us with huge XPA2 and F06a messages and there is more interesting F06a information. It's all in the relevant columns.

## VOICE STATIONS

### E06

#### 13825/15615 kHz, 06-07/07-07, 0500/0600 UTC

679 312 312 54 54  
13995 57227 24567 89731 48990 74923 30056 19529 93175 04079  
53214 03359 58277 88165 10582 95093 42522 42608 75752 20008  
33781 89259 45460 74142 49138 72989 16300 67784 40575 08852  
14294 86523 21451 33247 44464 18889 93473 57528 52624 23032  
78851 47493 16554 06876 87299 77178 08767 19581 72600 30424  
98039 27954 58409 48614  
312 312 54 54 00000

#### 13825/15615 kHz, 20-07/21-07, 0500/0600 UTC

679 841 50  
97003 78801 52178 37129 57692 92859 19993 85967 61669 65626  
19222 14075 36912 89886 53319 11338 71064 69658 46353 92993  
89801 55757 39583 76252 08730 49035 26413 48814 44754 00992  
74165 71483 97862 66418 06103 82039 39251 87802 42149 92569  
66742 16139 21731 97451 13418 97866 57190 34154 20415 82598  
841 50 00000

#### Group Count Cycle network

#### 11632 kHz, 03-07, 0210 UTC / 03-07, 0310 UTC not heard

#### 11632 kHz, 04-07, 0210 UTC / 13827 kHz, 04-07, 0310 UTC. Partly unreadable due to bad conditions

537 \_19 46  
14614 96525 \_\_185 74576 7\_110 5\_\_7 1\_\_8 65851 799\_7 16364  
21430 49198 65288 8\_300 26752 5\_897 78248 96989 24544 \_\_564  
554\_3 96\_5\_ 71485 \_\_\_7\_437\_\_\_1 58880 59536 04\_54 46510  
61757 1395\_ \_\_\_\_\_46 91\_1\_ \_\_\_\_\_57\_45\_88 24294 84351  
6\_6\_49\_5\_4\_\_\_90\_2\_109\_2171  
\_19 46 00000

#### 11632/13830 kHz, 10-07, 0210/0310 UTC. Partly unreadable due to bad conditions

#### 11632/13827 kHz, 11-07, 0210/0310 UTC. Partly unreadable due to bad conditions

537 860 47  
48847 27564 08787 34455 92431 14810 35660 42277 99889 99184  
19829 08857 3\_870 21438 02506 02645 20520 36742 81801 00398  
52659 99359 29783 41230 93771 51306 29549 80750 97469 13458  
24519 06048 26147 02538 97112 98840 05486 20419 19013 53537  
68516 03179 40197 93150 6892\_86350 08927  
860 47 00000

#### 11632/13830 kHz, 17-07, 0210/0310 UTC. Partly unreadable due to bad conditions

#### 11632/13831 kHz, 18-07, 0210/0310 UTC. Partly unreadable due to bad conditions

537 129 48  
99191 0\_\_6\_1893\_\_\_17\_\_\_57 958\_1 463\_1 24214 58\_\_4\_\_\_\_  
13154 58\_70 51014 70771 95941 47102 21355 69446 42032 30485  
49690 02134 29969 39836 80619 56856 99939 51456 47474 34412  
01715 18089 08\_86 7\_518 34101 59911 69969 07933 74226 05\_\_\_\_  
595\_1\_\_\_\_1\_\_\_\_5 980\_5\_\_\_\_\_141\_4 97726 14710  
129 48 00000

**11632/13833 kHz, 24-07, 0210/0310 UTC**

**11632/13832 kHz, 25-07, 0210/0310 UTC**

537 680 49  
90175 89337 00063 61706 02110 50636 78661 35050 69693 88484  
45596 48313 79655 09947 78250 73748 94896 12699 55896 37181  
66880 40758 07099 98789 58\_88 91486 13466 19622 74358 6644\_  
\_065\_9454\_ \_\_\_54 80511 1\_8\_ 27286\_5605\_5\_\_\_ 50\_6\_6\_\_\_  
3\_549\_19\_9 \_\_\_ \_\_\_1176 \_\_\_05 \_\_\_469 826\_8\_001\_ \_\_\_5\_  
680 48 00000

**11632/13832 kHz, 31-07, 0210/0310 UTC. Partly unreadable due to bad conditions**

537 142 50  
37796 08200 68431 75151 83937 65748 98884 83435 17869 59953  
02714 16893 08177 83916 71\_81 36608 56643 03367 92292 51385  
33742 77869 74589 35498 36101 91903 22271 93206 76874 90479  
31559 35859 \_\_\_9 \_\_\_0 \_\_\_0\_7\_7 94\_51 1\_068 33455 92255  
47274 60848 13\_51 83489\_867\_ 13809 07046 93020 57144 50391  
142 50 00000

**14845/12182 kHz, 06-07, 0300/0400 UTC. Partly unreadable due to bad conditions**

**14845 kHz, 07-07, 0300 UTC / 0400 UTC not heard**

361 258 43  
1448\_85866 0\_107 8594\_53579 35\_0\_4\_091 10286 74\_9 935\_8  
\_\_\_4 84839\_1892 53243 5\_794 5\_19\_ 47883 67118 03773 \_\_\_161  
78\_99 49555\_256\_ 35759 77755 68694 57678 466\_\_ 994\_6 68398  
8566\_98324 41\_98 13213 80500 92949 47\_92 66244 47049 75502  
23561 35884 98097  
258 43 00000

**14845/12189 kHz, 13-07/14-07, 0300/0400 UTC**

361 709 44  
83252 26532 91530 28702 46253 71634 07269 57241 31855 82424  
16442 85758 20418 18693 82917 33176 79480 57753 66392 38577  
82453 31672 27268 79332 68035 68104 49593 79576 51295 89432  
55514 76182 22342 49897 09662 34460 93541 15396 36914 30741  
81194 15655 01988 44048  
709 44 00000

**20 and 21 July: no transmissions**

**14845/12189 kHz, 27-07/28-07, 0300/0400 UTC**

361 285 46  
06259 33305 15790 10412 49121 68729 12432 61031 88387 41505  
86569 23157 56868 76603 42628 91732 68426 14022 08986 25630  
77251 98888 57262 87795 97376 72841 27941 17152 80902 58857  
23287 36912 78340 56731 53482 29010 29523 91385 46919 29342  
58522 81198 60601 23477 71003 18540  
285 46 00000

**E07**

**16232/18332/19132 kHz, 1500/1520/1640 UTC**

**16232/18332/19132 kHz, 04-07/07-07, 1500/1520/1540 UTC (04-07, 1500z: 231 231 231 1 (R) 1 4 restart)**

231 231 231 1 174 56 174 56  
94121 66277 10954 70265 27089 27054 36668 83962 13992 62104  
78878 45151 54267 07857 82772 51780 53822 24611 23044 91993  
39024 35924 49711 00747 71182 35530 90574 17820 79723 01686  
72819 37550 57036 50169 80912 24703 96259 48734 92009 69808  
87589 12432 34464 28446 48044 54367 53760 94481 64579 61167  
64754 37935 38042 39614 33507 53747 000 000

**16232/18332/19132 kHz, 18-07/21-07, 1500/1520/1540 UTC**

231 231 231 1 303 72 303 72  
92700 27861 59756 73202 39315 19586 22878 44776 67348 84067  
91777 99828 90125 78922 67036 58771 07165 62687 90455 89057  
87457 75794 40091 54214 23323 64876 45883 88663 89956 75627  
57363 83685 11983 08146 00597 16583 98665 05132 16107 41818  
82918 97125 61525 53606 49801 42245 78446 11735 01280 86824  
50446 86226 97488 09931 94076 30595 65846 29155 84913 35939  
59120 86203 13273 38954 08130 67638 01417 41301 34698 33306  
53034 86993 000 000

13562/14862/16162 kHz, 1410/1430/1450 UTC

**13562/14862/16162 kHz, 06-07/08-07, 1410/1430/1450 UTC**

441 441 441 1 4904 72 4904 72  
43105 97159 70690 14228 17784 40749 23828 98203 83768 60025  
48244 99044 65819 56939 18620 31840 89770 17825 02441 62492  
23103 35026 59349 97547 65321 18910 77888 53605 12799 88630  
05179 28091 03980 70257 90848 61996 18515 52544 71701 23123  
31666 04945 21471 23365 38912 57341 13484 14949 41941 09817  
55358 84360 01708 27954 94967 02404 57725 01298 54841 85613  
57320 34871 67634 07203 87068 12978 49288 87695 95232 92339  
02552 13136 000 000

**13562/14862/16162 kHz, 20-07/22-07, 1410/1430/1450 UTC**

441 441 441 1 5907 56 5907 56  
71292 45866 02232 48147 53419 46883 49704 74424 64703 16392  
94901 87370 63587 91074 03504 22229 86487 37245 18912 09663  
13554 05690 00466 06866 42790 31101 62611 25730 42802 99539  
14321 18564 39745 36506 62466 57561 50696 77022 22742 78510  
69072 83002 91262 28828 57086 06108 52213 50068 96892 03142  
1225385662 64971 60321 55399 77451 000 000

**E11a**

**9610 kHz, 03-07, 0745 UTC / 10356 kHz, 06-07, 1530 UTC**

261/31 Attention  
17625 28283 37273 25649 23961 72439 62948 29318 14482 54100  
75867 27311 93715 19797 53254 89951 56021 54867 68695 37955  
40674 56362 41666 42071 04265 41109 26261 84087 74416 25431  
25981  
Attention (msg rptd) Out

**12815 kHz, 03-07/05-07, 0845 UTC**

710/38 Attention  
24097 10784 42150 32766 16645 37357 24521 71717 22711 18188  
84633 76476 40899 78736 98720 99902 21948 32489 26035 76629  
35146 59393 44464 17809 54940 76423 83936 03196 51188 16324  
07004 40616 01837 00694 32390 47653 66914 51143  
Attention (msg rptd) Out

**7600 kHz, 03-07/06-07, 1900 UTC**

640/32 Attention  
48261 37464 29698 64128 56520 60222 19484 06324 98580 62653  
94218 31191 53490 70014 74434 01295 62786 80902 63458 92037  
11435 71862 92047 90583 59519 03449 96527 27870 77369 11849  
93853 28745  
Attention (msg rptd) Out

**14940 kHz, 04-07/06-07, 0745 UTC**

223/33 Attention

34320 74512 48500 33043 78142 53947 82757 71848 25231 10615  
84948 92205 90187 45506 84524 19774 95430 03629 91769 25123  
29774 87103 01275 48931 59418 56863 64352 60469 20420 21348  
95436 59984 53998

Attention (msg rptd) Out

**17378 kHz, 04-07/05-07, 0820 UTC**

134/31 Attention

47586 55212 37549 73118 92844 48320 44254 40684 99027 99913  
78413 00432 17054 30431 34191 10501 20441 23611 53860 71066  
11091 98275 73677 41175 46058 25385 42720 52316 26710 31284  
21559

Attention (msg rptd) Out

**19184 kHz, 04-07/06-07, 0845 UTC**

154/30 Attention

39739 64328 89081 01562 54329 50142 63128 06039 80435 99174  
28944 66686 05883 46945 36162 37000 31445 19145 72080 70340  
68088 33689 59393 91352 73121 63575 87836 23660 74261 55962

Attention (msg rptd) Out

**12984 kHz, 04-07/08-07**

914/36 Attention

99678 89812 70143 17900 55244 60918 72718 58791 45832 86646  
28199 97597 94756 72095 34517 79400 34073 59025 70840 97807  
00862 16405 53421 63005 50776 48387 43697 70556 56394 97600  
49682 84653 50522 20116 66688 76702

Attention (msg rptd) Out

**15720 kHz, 05-07/07-07, 0745 UTC**

347/32 Attention

24056 48951 47552 32835 21663 56813 35036 16084 38442 30492  
00276 58565 20750 49336 83719 62382 75386 48995 60097 90985  
11434 63653 38251 42878 26697 30699 14255 07025 12301 53432  
88874 09167

Attention (msg rptd) Out

**6923 kHz, 05-07/06-07, 0930 UTC**

270/37 Attention

27978 88847 00843 26696 04303 07011 96155 77360 31861 74235  
96361 60394 38058 03923 24012 08847 76023 72030 77165 52695  
55455 86238 03564 34393 10758 15452 74093 44372 30179 41345  
73184 60659 33060 06599 31014 33092 07432

Attention (msg rptd) Out

**5409 kHz, 06-07/09-07, 2000 UTC**

520/39 Attention

42915 12557 67700 33383 72793 98863 35368 66268 82819 39976  
17539 89930 06883 62053 37167 88220 84368 21208 14756 19126  
41752 28477 29804 43601 04994 99209 64618 06897 37771 44658  
65045 30350 83123 88580 96288 21483 12946 80054 44770

Attention (msg rptd) Out

**7377 kHz, 08-07/09-07, 0700 UTC**

495/32 Attention

49466 35704 09552 22060 56340 05193 80022 05360 44301 62055  
60177 67743 95887 12032 65781 10258 91110 52606 57815 78860  
95048 62257 26508 61425 22906 83262 03940 38089 58576 62045  
34627 77490

Attention (msg rptd) Out

**5082 kHz, 08-07/09-07, 1530 UTC**

363/34 Attention

90212 30843 35116 45378 36573 80843 73603 12242 66322 38038  
57556 36883 24701 06993 38104 99806 64331 28779 92236 47285  
17660 17245 46014 89829 56838 08525 82269 34031 12455 33338  
95783 70166 23448 17554

Attention (msg rptd) Out

**4783 kHz, 10-07, 0450 UTC/ 8088 kHz, 13-07, 1730 UTC**

413/39 Attention

17658 82406 26988 71883 12838 27760 79766 26946 94091 21062  
22867 71789 57125 07949 51636 36949 60033 31241 30479 81887  
48028 39170 14090 95034 04989 19328 56069 72579 62067 95843  
37755 60343 43037 50255 53518 73516 51954 73645 25375

Attention (msg rptd) Out

**14575 kHz, 11-07/13-07, 1645 UTC**

338/36 Attention

24847 87282 93906 35713 19160 00328 22030 89066 27298 87529  
12848 54329 09566 10056 41173 82277 82775 49310 65416 40499  
77620 08509 23270 46187 12234 35080 37484 73417 49389 89112  
21468 32557 54356 96954 07162 85676

Attention (msg rptd) Out

**4783 kHz, 12-07/15-07, 1910 UTC**

390/35 Attention

50992 58534 91623 02185 14820 42676 31372 87880 65055 22058  
70325 44848 71297 58971 99199 39201 08847 84032 25019 89217  
84519 57770 21705 56388 58105 38031 52466 00044 28489 10573  
14557 01932 48499 07380 30602

Attention (msg rptd) Out

**12229 kHz, 14-07/16-07, 1815 UTC**

925/31 Attention

98712 89953 52815 21435 69554 65267 66963 83551 19138 02569  
59722 13053 49256 70392 60586 47372 09432 44072 73430 73900  
17022 10479 22992 61565 23617 34187 77151 25753 68558 98202  
15088

Attention (msg rptd) Out

**9610 kHz, 14-07/16-07, 1910 UTC**

616/35 Attention

08525 39824 03848 45087 11426 88273 92156 80280 31723 30417  
54251 71995 91500 88329 04693 42490 00836 43941 51404 36223  
85813 45720 49830 00197 80728 57696 92611 22081 65480 52427  
55573 92929 12907 30233 39453

Attention (msg rptd) Out

**14972 kHz, 17-07/19-07, 0315 UTC**

258/40 Attention

16712 05188 15103 59367 39605 27196 72103 23768 97285 37625  
37984 34629 43944 40357 03995 72798 55174 26855 20265 40557  
78533 38390 60626 79316 13855 64766 69484 69170 57563 85931  
97521 45044 68585 49519 54245 97607 23920 33622 21036 37333

Attention (msg rptd) Out

**9052 kHz, 17-07/19-07, 0900 UTC**

538/35 Attention

33523 81147 82625 44150 87891 11858 33049 66575 31001 45328  
53683 08222 92391 46291 55200 49050 04824 04365 68806 25599  
31024 87740 76905 60613 39193 77753 98394 80379 67327 72257  
15211 90593 51168 64115 06230

Attention (msg rptd) Out



**14410 kHz, 17-07/23-07, 1745 UTC**

249/33 Attention  
45539 06479 19650 03445 62002 31478 41828 84659 48113 89369  
28248 79780 28322 15730 97771 78812 65757 29072 73221 63175  
91244 35064 72118 74251 93649 77685 96032 58044 86064 61439  
83992 60022 80081  
Attention (msg rptd) Out

**8680 kHz, 18-07/21-07, 0700 UTC**

577/37 Attention  
65292 75991 37362 58824 95939 74566 99075 41045 23260 62788  
43708 62900 69508 83197 78600 10105 64706 48682 42943 16576  
16154 33943 98461 26939 04988 36986 35867 58200 77311 23179  
60051 76909 49557 92394 57751 86947 13023  
Attention (msg rptd) Out

**10429 kHz, 18-07/21-07, 0715 UTC**

635/30 Attention  
78378 50350 21188 78547 61940 84502 20836 55533 49671 26204  
98369 85611 01003 32066 03405 67928 75581 51790 46276 29812  
29750 10069 05070 60145 65313 28187 86514 24447 92556 38887  
Attention (msg rptd) Out

**7863 kHz, 19-07/21-07, 1715 UTC**

978/35 Attention  
47948 34723 13064 72644 54449 35191 46565 47895 48302 16882  
68994 50656 30495 32044 97766 96437 01734 88758 00648 63795  
53933 80864 62835 62062 09841 24815 70270 54955 86959 61913  
14689 11689 21585 31325 57136  
Attention (msg rptd) Out

**4909 kHz, 20-07/21-07, 0820 UTC**

431/36 Attention  
48497 81123 21942 59736 88766 82610 46405 67988 39237 19345  
34411 62140 62253 25488 12333 47296 10458 65069 75432 34929  
82792 49566 52913 40578 51852 40235 04408 43676 36316 63958  
74002 44287 45815 64061 02812 02125  
Attention (msg rptd) Out

**9150 kHz, 21-07/23-07, 0600 UTC**

358/35 Attention  
91688 56029 20435 29798 47618 81123 07430 77727 35864 56436  
81149 36606 94062 99713 05877 66896 72072 73235 29660 82593  
24109 83178 50808 53204 04386 51207 96089 43906 08731 27283  
92036 48051 12772 96750 12250  
Attention (msg rptd) Out

**18030 kHz, 24-07, 0715 UTC**

752/34 Attention  
70408 93724 07243 80784 04140 22752 96505 39305 67614 53629  
69784 06661 59542 27388 18732 60316 44110 93921 84247 75008  
65826 76369 09891 79402 26757 07984 22235 90760 02800 61408  
25406 55294 90327 18181  
Attention (msg rptd) Out

**16335 kHz, 24-07/28-07, 0830 UTC**

184/32 Attention  
11740 33552 97236 49556 20920 31834 15681 88401 61464 22997  
15212 35849 53638 00343 66167 54216 23740 79937 87743 21879  
47977 46982 13067 56954 20566 89455 27354 31839 21527 02912  
10189 00439  
Attention (msg rptd) Out



**12089 kHz, 24-07/26-07, 1045 UTC**

694/34 Attention  
33860 43758 11587 47772 80804 89608 96034 10161 98491 13554  
02086 73315 87599 99743 94367 04165 35171 51398 23246 04388  
84893 49937 24167 42330 76351 06468 92954 50342 56995 74803  
33879 95591 20298 03462  
Attention (msg rptd) Out

**5737 kHz, 24-07/27-07, 1300 UTC**

319/32 Attention  
91692 16583 73410 20378 99765 99322 10916 56340 02545 29427  
31866 64666 67649 76781 69643 59257 42937 11386 08752 17312  
95441 39957 41836 53637 03123 71462 81110 67832 50911 24601  
90349 28738  
Attention (msg rptd) Out

**8091 kHz, 25-07/27-07, 0645 UTC**

512/38 Attention  
82983 17823 49482 71132 78731 70426 39074 66623 74006 82286  
17489 97616 94220 97427 39350 33063 07966 71366 41383 64829  
60261 45710 23825 72633 02954 18943 04323 48861 12129 67928  
07224 78325 57366 85092 41959 39496 03097 00732  
Attention (msg rptd) Out

**12153 kHz, 25-07/28-07, 1000 UTC**

307/33 Attention  
71855 72054 56391 30197 37102 48752 29974 20762 62329 48501  
22794 61897 60858 00467 71757 12453 71580 59299 13444 60766  
49797 90242 39100 08617 33664 65142 34851 15128 33258 42206  
75716 94751 52104  
Attention (msg rptd) Out

**6304 kHz, 25-07/26-07, 1205 UTC**

466/38 Attention  
43188 83985 11922 28185 60029 53814 07001 12316 33030 49702  
73398 03702 19169 07214 70052 37458 43829 62763 54327 02943  
69119 65240 50396 05520 99847 36246 47337 08471 12536 08897  
85825 47007 90387 17567 93860 34295 56027 21410  
Attention (msg rptd) Out

**5231 kHz, 25-07/30-07, 1605 UTC**

233/36 Attention  
52048 45785 48077 45662 25931 67547 29811 41068 43521 97774  
89164 07378 79757 52357 68396 76522 78182 14990 32023 68304  
31190 12909 54765 31856 83310 25150 12173 99114 45968 53192  
72473 44720 17982 23849 85200 62257  
Attention (msg rptd) Out

**S06**

**11616/9322 kHz, 03-07, 0400/0420 UTC**

480 617 52  
61892 61258 91243 49208 17495 66305 47552 66352 81109 73369  
25383 55837 69172 11681 81059 25437 26284 07938 41516 51985  
22428 16128 72063 13961 84646 19685 05973 33160 74140 60715  
09310 92631 44704 75948 79470 23075 43458 44120 00833 74875  
39794 74469 05987 17982 93484 91028 15956 36794 97888 92414  
57874 12262  
617 52 00000

**11616/9322 kHz, 04-07, 0400/0420 UTC**

480 532 61  
54135 05944 61607 59279 50682 79278 87028 08928 55683 08305  
53334 51706 52670 42979 46810 76532 48700 05977 92719 44170  
94840 63827 54735 03145 59468 62208 55178 09656 21607 61346  
95733 49936 76457 32440 83348 88486 70332 01066 90994 90631  
07165 48486 07979 92819 93791 06817 59493 19129 16195 08965  
00088 67386 63881 79297 10763 13366 44601 75974 54354 06484  
56582  
532 61 00000

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

480 976 54  
25805 70285 08553 71635 32794 27511 71626 99371 71507 12153  
04786 87867 92221 30636 90424 75431 93198 82848 45825 12705  
23811 71482 38628 83772 08849 17339 32094 76199 17460 97775  
46081 29681 25156 50478 44686 17999 42319 09764 86484 43959  
07659 67585 98297 52005 70035 76427 58445 88202 07111 36290  
00400 62264 54246 32937  
976 54 00000

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

480 513 64  
57347 29850 51077 09873 87692 73666 01219 18910 89668 93183  
75409 14988 06127 08047 73810 33551 62497 61489 68020 84820  
46001 45163 69020 62241 91610 47675 63561 93205 79429 60238  
36211 18005 73186 87904 19222 07934 54534 39783 37422 58501  
32829 96718 40318 18673 35094 79833 38582 42080 05840 68398  
87130 71153 71440 40447 81966 90085 48742 34587 62984 07598  
02607 56442 39912 55411  
513 64 00000

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

480 926 57  
56346 79413 81795 78265 55120 95439 19874 94236 42079 61748  
88968 27370 45561 65807 30300 78180 15196 65992 61897 42543  
34030 70976 69283 33894 73335 32495 63068 39923 19771 99932  
45613 24660 29600 10157 53971 11923 89651 11050 71282 11036  
89696 42168 23813 70786 35946 20963 05827 72527 60343 08010  
99477 98391 05351 49679 81906 35524 88908  
926 57 00000

**11616/9322 kHz, 10-07, 0400/0420 UTC**

480 715 63  
38835 60080 77925 06332 74661 24760 27408 75852 91291 45524  
81692 11618 51892 57711 90015 97486 39122 66389 11571 73737  
50926 19072 47875 42650 47211 32841 47103 33952 95832 18047  
91344 84819 91339 65771 02698 14116 44911 91262 29150 95549  
68922 50503 96189 59455 04568 72108 35062 77868 66005 71756  
23641 12591 99424 41314 00824 30931 80505 29860 40400 18809  
98689 58793 95335  
715 63 00000

**11616/9322 kHz, 03-07, 0400/0420 UTC**

480 623 57  
37611 93378 63669 42154 43466 88264 97298 62064 80649 56382  
19108 28270 52858 00174 36097 24773 00094 94628 73101 00139  
62137 98392 97052 32557 22585 67699 55402 65697 06886 40324  
64634 95054 32829 81743 09830 09475 36901 10693 41184 17537  
24964 46305 78452 13492 20687 44013 59227 62436 10171 12418  
92016 09411 06198 28294 00028 42117 80548  
923 57 0000

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

480 719 56  
12218 39877 42770 42051 96745 57671 04678 02122 78956 24018  
42860 75176 04461 00251 05362 83351 68482 60210 25043 84176  
99855 29014 07141 77161 37712 85190 33737 94856 30513 74645  
27298 89316 12150 09870 40491 49922 34768 52845 64451 13478  
63030 05077 72696 52536 59481 53194 42879 52883 15723 43552  
23545 16119 09066 84277 38113 48275  
719 56 00000

**11616/9322 kHz, 13-07, 0400/0420 UTC**

480 235 61  
27800 08135 99848 26713 17963 61110 47701 41677 75495 83341  
36666 00457 63679 18258 94030 65146 96285 26196 53868 43099  
70015 65345 55542 48200 14616 61081 84106 71609 90361 12109  
94785 72921 87581 06866 88725 27668 07928 48613 32202 92103  
32072 12652 36473 71223 03510 84117 40461 00927 83172 49764  
63460 80295 54519 42197 20044 14891 83812 59990 14375 57034  
65251  
235 61 00000

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

480 126 53  
37610 54243 54341 87148 76198 88510 20482 32801 83791 46099  
21282 74814 52561 26710 24453 72806 60933 99207 32990 10098  
42188 88361 37615 49640 32839 60511 63834 63088 86740 37834  
62074 75202 65854 95930 14313 90772 43610 24387 55656 96242  
81804 55011 34296 53243 66972 87447 58275 26189 17166 66819  
02518 11161 95088  
126 53 00000

**11616/9322 kHz, 17-07, 0400/0420 UTC**

480 521 63  
56705 71327 48658 07632 45063 74945 12526 38951 77091 89887  
49424 75304 22762 60716 30684 90902 15898 45384 65274 01660  
66419 20227 43547 77665 91442 79205 52169 11608 26165 32063  
83688 60347 00466 31107 89166 01817 92175 81282 47310 74448  
92936 13241 48547 91299 47602 24074 17485 46078 53107 15425  
22176 53249 27750 83642 43649 89411 86819 41669 04122 28128  
85509 77367 77346  
521 63 00000

**11616/9322 kHz, 18-07, 0400/0420 UTC**

480 367 59  
81876 18629 02924 95347 78648 58217 82154 11136 21683 23452  
06588 64346 41691 86906 09181 45231 92240 03014 70086 69462  
01288 34479 92447 75887 53665 33471 52130 93901 21718 63544  
51056 28893 86267 73213 28846 39188 15095 57129 12443 02943  
91138 65791 08420 98406 07576 49729 67645 46007 71992 49098  
76999 85689 86822 64618 57830 87943 98242 70801 75839  
367 59 00000

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

480 915 62  
84065 45548 22723 96981 33060 76768 33779 45677 36883 63920  
41280 99591 77082 60917 20624 39893 55369 30684 33288 83210  
76153 76596 77768 05115 07698 66987 05865 90259 76566 26158  
71474 45120 75064 90324 04098 34263 86359 51954 24237 26095  
56955 40902 42879 59020 71223 15823 12245 63940 07672 64252  
19996 04044 81640 34835 44088 17822 04105 50105 10459 76233  
11290 73282  
915 62 00000

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

480 326 57  
69173 61402 47294 89954 41651 79054 20351 21706 45164 82399  
76031 45185 39387 94983 32922 32583 56646 10247 92274 35457  
56157 06480 31561 46216 00248 71651 47335 06205 63473 92780  
20855 27538 10596 89545 04889 20912 04337 96826 55155 46541  
28863 25853 54833 30445 39920 58658 05566 13239 77577 55518  
83413 23643 02497 80067 83186 93876 41677  
326 57 00000

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

480 795 63  
99224 20588 53022 18410 62041 91710 62883 84165 99130 49073  
61133 91882 16436 11139 58817 65413 51361 30622 22995 32523  
80013 49461 45369 36749 20251 32798 05920 24358 10214 80396  
23756 67335 67037 38943 12358 08354 55423 63658 81403 38644  
20763 02669 52360 44721 66502 02567 80038 84888 80424 58599  
97285 81470 39555 57921 25019 39701 48366 89360 14767 29215  
89957 18115 15926  
795 63 00000

**11616/9322 kHz, 24-07, 0400/0420 UTC**

480 126 53  
37610 54243 54341 87148 76198 88510 20482 32801 83791 46099  
21282 74814 52561 26710 24453 72806 60933 99207 32990 10098  
42188 88361 37615 49640 32839 60511 63834 63088 86740 37834  
62074 75202 65854 95930 14313 90772 43610 24387 55656 96242  
81804 55011 34296 53243 66972 87447 58275 26189 17166 66819  
02518 11161 95088  
126 53 00000

**11616/9322 kHz, 25-07, 0400/0420 UTC**

480 739 65  
51766 89956 51910 66822 42722 31951 67009 13164 54708 23661  
36310 72716 14103 10721 31721 98654 29915 28879 60465 44550  
32282 15215 14951 82480 06760 98370 17664 96234 04113 66221  
53266 10559 30270 34423 05085 42369 46148 64275 38194 84872  
32027 03344 96253 60546 96160 47267 04314 03891 32316 46200  
94757 59910 55920 04316 98584 09255 73520 45816 69203 55957  
65214 45884 30938 38706 84774  
739 65 00000

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

480 156 52  
19509 10001 02425 64001 92340 77159 46087 86001 42551 38148  
45131 73911 56387 32959 18351 90815 69855 19539 20004 05641  
90741 27613 27698 26323 33225 75503 45219 07695 26018 54614  
43728 51250 79998 11291 89790 39009 26232 80722 33649 68638  
60354 52588 56186 82037 54234 73123 98027 04562 20861 13301  
19194 37085  
156 52 00000

**11616/9322 kHz, 27-07, 0400/0420 UTC. No transmissions**

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

480 923 51  
04574 59962 23706 19237 19931 58557 52176 71392 91350 76975  
91404 05857 68467 52435 47674 29995 42859 91624 73440 76177  
01845 33463 49894 58345 30044 50631 63372 97805 57123 82065  
36554 22965 75175 13586 00375 72658 74156 48866 17606 57794  
68840 37915 94033 60980 15701 55271 38164 78830 43184 45089  
55410  
923 51 00000

**11616/9322 kHz, 31-07, 0400/0420 UTC**

480 671 53  
77871 57637 48339 75288 72678 75006 99418 89662 28394 17648  
57073 20762 01059 81953 59185 12669 59397 28121 64634 24197  
94626 72948 35998 36189 25671 59676 07521 85074 35736 84568  
36765 14894 01150 84917 63397 64963 98446 18167 23532 35369  
00595 86829 93090 97485 98328 88898 58592 41699 07522 98429  
38829 79525 48517  
671 53 00000

**S06c**

**18697 kHz, 12-07, 0920 UTC** 11753 (R)

**S11a**

**13537 kHz, 03-07/05-07, 0510 UTC**

654/37 Vnimanije  
81725 67658 34154 15921 75471 82718 38953 26260 02147 61356  
62160 10649 34158 65042 74821 11341 26872 09112 15070 51443  
41822 93989 56575 15621 04290 92266 76755 70655 16065 10897  
54963 20808 02614 46371 82663 33277 07451  
Vnimanije (msg rptd) Konets

**9339 kHz, 03-07/06-07, 0700 UTC**

479/39 Vnimanije  
66727 77068 67255 63632 52865 76966 72573 42826 86147 47542  
75226 30216 87552 38454 68374 91243 71869 25309 34355 50173  
13428 00506 24762 52870 15147 61353 52606 42620 83124 92275  
56356 86818 10048 65278 52168 10101 21364 13444 31430  
Vnimanije (msg rptd) Konets

**12457 kHz, 12-07/15-07, 1850 UTC**

284/32 Vnimanije  
47606 61401 71111 92398 34060 93316 63179 68790 25895 50052  
80120 96342 58664 26614 46468 80092 79683 72615 24080 87912  
68627 71430 76323 74638 63911 43490 64611 67449 73321 36731  
14481 32051  
Vnimanije (msg rptd) Konets

**9448 kHz, 11-07/14-07, 1400 UTC**

422/40 Vnimanije  
56399 83967 25654 75108 16740 45821 09412 53088 12750 91822  
09533 02924 28770 61395 12766 76461 70540 42176 35987 40525  
22028 94213 49718 00820 52564 56215 40472 68673 16699 93476  
16764 41524 42188 67738 11507 10373 06984 06662 10632 50720  
Vnimanije (msg rptd) Konets

**20905 kHz, 19-07/21-07, 0725 UTC**

381/33 Vnimanije  
26457 93435 43623 05566 85603 24905 26034 11966 37304 98316  
47412 14503 91940 93534 58799 85372 46721 74782 03299 02556  
02111 21907 40854 30919 56482 08245 62408 60838 24267 13325  
26818 56512 47589  
Vnimanije (msg rptd) Konets

**6814 kHz, 24-07/28-07, 0915 UTC**

487/40 Vnimanije

60473 51113 90009 46761 75739 50586 38956 63869 00809 39271  
51497 96019 95115 29921 48470 75942 11845 40929 62311 07480  
78926 23730 98837 87520 07129 90599 54317 83302 16237 04515  
57003 05796 91892 94045 62770 94590 36148 70349 16218 10674  
Vnimanije (msg rptd) Konets

**9968 kHz, 25-07/27-07, 0445 UTC**

797/31 Vnimanije

15552 34042 98111 42845 96569 47570 30369 51484 01631 48415  
58058 66276 52602 55174 54341 02918 18897 63679 15321 49213  
81092 49538 75099 70898 00583 53868 89191 44291 49551 34387  
66225 Vnimanije (msg rptd) Konets

**5149 kHz, 29-07/30-07, 0830 UTC**

372/36 Vnimanije

75379 96960 13558 98102 20561 23204 47526 00845 98209 40031  
29000 95154 80519 57442 00224 88179 59160 04535 72957 86750  
95803 83873 12906 97048 98127 43015 56918 78250 20416 40886  
69257 28923 49607 91560 43645 10334  
Vnimanije (msg rptd) Konets

**V07**

**13978/13378/12178 kHz, 09-07, 0700/0720/0740 UTC**

931 931 931 1 132 65 132 65  
26447 70391 63414 74022 97094 99019 59694 97895 18613 78090  
99758 69004 80051 84105 03075 31204 32909 80924 02005 90908  
60903 77952 95410 63706 32516 90560 84540 12562 82701 23977  
33966 43818 11327 22473 40081 86909 02550 04090 83327 95269  
79035 81470 28773 03879 69900 72578 37132 56694 66683 49755  
70862 78067 38488 04156 04967 99693 40784 42163 08039 69506  
28702 51043 94793 63452 55879 000 000

**13978/13378/12178 kHz, 16-07, 0700/0720/0740 UTC**

931 931 931 1 7278 90 7278 90  
81045 84268 30101 66201 42033 29761 42117 63716 15689 84641  
91448 75131 97592 50538 45304 37456 00774 97883 92111 83438  
66813 82156 58081 24660 04528 55039 48076 34024 02470 85086  
58228 54289 54932 33712 22605 07912 43721 19399 95039 36632  
40037 41551 59595 29803 44625 23020 17216 21947 46002 48170  
13545 80747 87399 90902 93315 13103 96172 15868 97432 23948  
19418 30365 98535 18432 98954 92458 33108 64859 32460 71344  
61623 93218 94836 78207 20358 49942 57114 58446 92952 55392  
07114 10718 26981 53519 35000 80572 60200 50429 96283 47522  
000 000

**13978/13378/12178 kHz, 23-07, 0700/0720/0740 UTC**

931 931 931 1 830 111 830 111  
12629 18428 06145 81294 38767 48638 38082 59379 39250 96824  
69370 33084 83562 34722 66369 16889 34319 23316 96562 10819  
53101 25824 16771 95244 77545 54436 22802 34194 16307 76419  
50723 80311 71418 11048 11297 18911 80715 79307 28739 36315  
30611 36833 22948 21823 30691 84402 00266 26757 86268 12849  
82628 26444 01830 38612 94164 11670 35818 80842 65169 30658  
99622 09974 40191 98966 00620 54272 63962 80986 31236 55857  
39095 90931 20257 28448 01913 49016 10325 91964 17766 97478  
77926 97639 09830 35180 41419 25669 30142 42634 25926 52309  
36504 50441 08316 09668 63387 90418 43717 86534 08786 39784  
00416 63891 13283 82713 28248 65691 19539 99414 27520 37158  
00411 000 000

## V28 - 앵무새 Aengmusae (Parrot)

5032 kHz, 17-07, 2103 UTC, AM

5499 kHz, 17-07, 2103 UTC, AM

### MORSE STATIONS

#### M01

##### 6435 kHz, 01-07, 1500 UTC

025 745 745 30 30 = =

46576 36547 97890 47566 28761 40988 57687 30989 16354 20989

44665 76877 35433 14232 10989 47565 40099 10109 39878 34543

58756 14232 10909 57687 29878 46565 37656 50909 11776 48766

= = 745 745 30 30 000

##### 4903 kHz, 04-07, 2000 UTC

025 864 864 30 30 = =

09121 98232 87343 67454 12090 23989 87343 01929 90141 01929

80131 68434 90141 89353 08717 90121 89747 90515 17022 90636

90637 90313 12878 14909 15909 16909 17909 18090 19090 10909

= = 864 864 30 30 0..... 0..... 0.....

##### 6435 kHz, 08-07, 1500 UTC. Different repeat in red

025 536 536 30 30 = =

12090 23090 34090 45090 56090 67090 78090 89090 90090 09121

09312 **09213** 98121 87121 76121 65121 54121 43121 32121 09131 89020

87646 90525 87616 08323 90858 01929 01939 01949 05868 90838

= = 536 536 30 30 000

##### 4903 kHz, 11-07, 2000 UTC

025 709 709 30 30 = =

89023 45690 23589 94820 51029 34690 24186 49934 90671 65432

45921 45678 39501 42105 38714 90485 23815 45802 56719 34927

87210 84193 40781 50219 30478 28190 69134 41056 15205 07315

= = 709 709 30 30 000

##### 5280 kHz, 13-07, 1800 UTC

025 124 124 30 30 = =

64617 61905 80105 50448 17356 81630 76050 37500 13215 46083

04523 43960 81190 64057 83395 96001 85528 15029 15074 30107

13073 20230 19390 09050 19450 02352 93751 91755 92032 82751

124 124 30 30 000

##### 5280 kHz, 20-07, 1800 UTC. Note the sequencies

025 097 097 30 30 = =

12090 13090 14090 15090 16090 17090 18090 19090 21090 22090

23090 24090 25090 26090 27090 28090 20909 31090 31030 33090

34090 35090 36090 37090 38090 39090 30909 41090 42090 43090

= = 097 097 30 30 000

##### 6435 kHz, 22-07, 1500 UTC

025 148 148 30 30 = =

36471 39184 76732 76765 27185 99984 78765 90984 73612 64773

11163 88473 22958 75638 95847 74832 95847 77543 90986 75849

11743 88511 75883 93815 74839 90683 75821 12321 47382 90220

= = 148 148 30 30 000



**5280 kHz, 25-07, 1800 UTC**

025 325 325 30 30 = =  
46576 13243 59609 48487 20989 47565 14232 10978 55776 30912  
47465 10968 47561 50698 14233 58677 40989 14232 18678 10109  
68756 14232 13221 50098 57687 36454 10798 29387 69789 46576  
= = 325 325 30 30 000

**5280 kHz, 27-07, 1800 UTC**

025 612 612 30 30 = =  
34589 83719 47290 84917 42177 85321 97651 80345 67901 47891  
36782 51239 89234 57812 89345 12367 45690 67812 54387 98321  
76098 43278 32156 34598 80789 21567 34890 23817 94827 10564  
= = 612 612 30 30 000

**4903 kHz, 27-07, 2000 UTC. Sent only 29 groups**

025 528 528 30 30 = =  
78912 90456 56712 78945 23490 34589 56718 89158 76905 78915  
86807 61953 71028 47189 10456 71290 40768 16823 45612 89067  
45690 12367 34512 67812 34578 34512 56734 89045 67812  
= = 528 528 30 30 000

**6435 kHz, 29-07, 1500 UTC**

025 955 955 30 30 = =  
62380 82751 82737 81840 01650 83751 83751 87365 82756 90208  
86426 76549 20501 89750 86188 65329 85401 84189 93846 96420  
98219 95960 05386 71884 86744 81995 62940 09959 81196 00561  
= = 955 955 30 30 000

**M12**

10767/10167/9267 kHz, 2100/2120/2140 UTC

**10767/10167/9267 kHz, 01-07, 2100/2120/2140 UTC**

712 712 712 1 3002 88 3002 88  
03044 83876 15732 83395 62004 26039 95035 66392 33065 07640  
83488 18395 26731 98939 09594 22566 77103 06087 38282 68523  
23397 73138 22906 98840 70083 38418 06195 57864 44836 07610  
12651 28065 33970 54929 42863 88566 99057 33173 82054 48726  
04396 98321 59916 58930 19690 19080 83039 80212 15862 09190  
28057 39025 43728 90193 73772 18341 75584 25151 55461 36392  
24589 03260 35220 98348 29002 10202 69869 05693 27800 87641  
28365 48145 71750 95074 97688 55957 63016 99049 88179 18417  
83207 88145 20248 12720 85695 59045 55658 63128 000 000

16284/14984/14384 kHz, 1600/1620/1640 UTC

**16284/14984/14384 kHz, 03-07/06-07, 1600/1620/1640 UTC**

293 293 293 1 615 56 615 56  
83079 15278 53435 67011 44982 96477 88629 38442 04477 11253  
21277 90829 82516 95113 26451 25383 14818 65425 76378 41075  
61030 86549 78628 14058 17613 37419 53955 94933 39915 12184  
11789 62936 13970 23135 85964 15485 25419 30188 81819 13164  
53111 53148 94297 57368 41916 19021 81751 06995 06026 80352  
90483 20397 91109 78094 63551 31152 000 000

**16284/14984/14384 kHz, 10-07/13-07, 1600/1620/1640 UTC**

293 293 293 1 6458 72 6458 72  
67117 92902 27401 00958 22517 05511 85428 82042 46718 64662  
65286 99624 67579 79540 54509 00166 96145 57241 24612 10736  
76676 39993 03470 00882 48677 41356 66814 62784 49712 29664  
90735 14683 29643 93807 21237 62958 15746 00126 73483 71217

61458 72782 93299 95874 64986 94834 84668 95417 38810 08826  
67809 13951 61545 65046 98853 72455 50493 28751 13541 14704  
41936 93129 34027 20602 76921 90079 30650 05086 64681 04883  
27076 49079 000 000

**16284/14984/14384 kHz, 24-07/27-07, 1600/1620/1640 UTC**

293 293 293 1 5368 38 5368 38  
14386 00972 97702 92068 45491 21571 08947 75421 29535 27915  
29656 81802 52120 04706 89591 38057 51358 40716 35627 62625  
42599 01433 13086 83786 53930 09792 38297 40102 95894 20995  
90941 97956 71981 45562 09879 31270 99474 41897 000 000

**12217/10817/9317 kHz, 2000/2020/2040 UTC**

**12217/10817/9317 kHz, 03-07/06-07, 2000/2020/2040 UTC**

617 617 617 1 3495 103 3495 103  
07235 74589 70826 82514 13700 96630 33452 99191 06970 63989  
46822 26849 22813 43439 45363 56033 13641 98296 63829 92381  
56032 56217 11094 17497 05344 72855 56862 34349 43734 36195  
68587 23312 98883 60649 26717 53358 65982 93456 93091 98246  
29315 04036 52186 44093 98140 48423 16759 10565 53981 28618  
04843 48668 97868 56657 20178 03379 65903 95714 10040 31348  
18424 24097 70145 43821 93247 21593 86789 29331 89866 08331  
13382 91807 03821 06782 76470 83422 24147 69616 42623 56391  
19256 82094 85995 41758 97770 23254 96115 11107 47994 27384  
37054 24362 24002 75029 28766 36244 90020 79791 01652 02083  
46176 76373 74867 000 000

**12217/10817/9317 kHz, 17-07/20-07, 2000/2020/2040 UTC**

617 617 617 1 4994 133 4994 133  
65362 99223 18986 29970 57581 90039 95123 21640 87191 77861  
21755 57654 13910 27149 45751 13852 83633 38921 38541 41384  
67171 24041 52364 61089 90258 53634 15718 53786 89444 75870  
90849 91389 42601 14164 84555 68543 47669 85061 56741 26494  
14573 81347 25701 42098 54792 71796 84469 96534 97276 41437  
31885 23874 45676 35474 22273 12690 07179 44763 47578 31586  
17786 79959 77949 89618 46298 55161 42451 76430 49911 12319  
62765 86602 70973 46947 61978 21261 92586 32825 20490 27391  
31945 19383 50766 55661 26251 82688 57627 61605 16343 89324  
71516 48272 44278 49178 70569 17047 79029 58307 44004 69790  
51782 00979 74046 57162 77982 09960 09979 46937 18172 46396  
57697 81654 30066 38145 23547 30538 95301 29346 12482 84275  
41172 71620 38157 57413 57087 44296 17443 04773 96170 97345  
19216 57578 43777 000 000

**12217/10817/9317 kHz, 24-07/27-07, 2000/2020/2040 UTC**

617 617 617 1 516 115 516 115  
96485 76278 93416 19101 74229 28337 90020 42547 18859 64362  
36663 59230 69817 67668 94890 62949 50950 77605 76983 94138  
50839 68520 40043 87829 39479 02135 98466 46934 25435 48022  
57674 92771 79863 60239 82759 78749 28916 11072 48518 00300  
38385 47197 71270 08539 54153 89730 04913 37449 01420 50842  
95846 13822 73757 76323 33810 29892 20538 34255 28345 82000  
01413 99893 74009 05714 98000 14642 81960 59219 09148 66046  
39710 33635 28070 68048 28371 65143 64373 94710 63741 54812  
89019 75299 65960 66555 21195 76417 46401 56651 27195 29653  
11452 88563 61712 66078 59488 24706 71767 92182 28690 03241  
53128 96531 37107 34632 06386 52385 57593 41293 14044 59582  
44825 46168 46474 90230 73874 000 000

10371/11471/12171 kHz, 0600/0620/0640 UTC

**10371/11471/12171 kHz, 05-07/08-07, 0600/0620/0640 UTC**

341 341 341 1 3562 140 3562 140  
44605 52070 03535 80361 09369 67555 73502 05189 13614 84311  
56177 59858 14834 09502 49140 82405 75468 03216 00375 14051  
63318 29310 65117 22961 76975 42319 49722 14178 40800 77166  
39376 50395 03979 02121 58627 35496 29815 23429 21304 48828  
04453 96500 73883 77969 34815 28088 41665 15908 96008 66757  
39790 22268 51349 76238 49454 00564 63084 77043 23005 74887  
54017 27378 45773 75521 64711 08339 90941 48030 09257 12602  
88764 59813 14544 46579 61264 09196 02865 20727 49299 34743  
65927 85830 27103 47712 45433 65327 03579 62644 95272 93847  
19913 70399 45322 51169 93943 93558 30103 54052 64572 10057  
57428 43552 11684 17711 65650 34917 07485 00733 00867 58331  
56601 37825 09687 42867 55557 44674 25695 15767 66280 89854  
00051 33708 85536 32230 29787 97726 34760 20372 53255 20454  
79554 18912 83980 77831 06622 31725 54913 58749 93013 80834  
000 000

**10371/11471/12171 kHz, 19-07/22-07/26-07/29-07, 0600/0620/0640 UTC**

341 341 341 1 1676 91 1676 91  
25687 66234 93828 81935 30606 93715 37190 35255 16554 74421  
27168 27336 90081 09051 08976 44738 69250 65966 39478 72799  
68048 26550 67335 48443 60362 03697 44054 17936 11730 22904  
57356 82653 63693 64954 73183 29025 64883 18132 52373 94298  
09852 88753 41333 56337 98282 01523 30264 63925 29599 28920  
72901 31479 20292 08359 42436 37171 26807 69960 47509 24709  
24534 63208 68731 02552 31372 24137 24676 60260 27196 25413  
65684 77923 53527 67146 19217 99509 96934 80429 37402 25616  
46294 39745 16760 60301 73910 97936 04963 14387 58526 96019  
31536 000 000

14968/14468/13368 kHz, 11900/1920/940 UTC

**14968/14468/13368 kHz, 05-07/07-07, 1900/1920/1940 UTC**

943 943 943 1 4877 31 4877 31  
03353 42417 21649 91938 53272 56295 77779 00456 03731 62714  
13765 74788 65192 81200 94135 59011 28104 14999 99862 79677  
90610 55871 02627 37613 28715 26821 83316 10356 98146 58857  
63106 000 000

**14968/14468/13368 kHz, 19-07/21-07, 1900/1920/1940 UTC**

943 943 943 1 397 49 397 49  
62767 87262 31918 51744 43227 09830 41002 44936 16421 02011  
13457 89640 87274 18440 49661 41090 91208 43292 72233 99781  
34700 99924 25808 62607 61539 14023 33811 27186 80071 88540  
39964 38534 13619 77248 78248 22994 07437 41885 40219 45796  
52437 15351 55464 02902 46347 74071 61184 53197 49763 000 000

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

**13386/12189/11491 kHz, 06-07, 1110/1130/1150 UTC**

725 725 725 1 4841 95 4841 95  
63069 91719 51390 36453 28380 86311 57231 67304 79674 44873  
08323 89161 27603 79083 52316 21646 38570 64992 76791 92636  
44948 75260 63797 41897 39155 94306 04271 98193 01286 38826  
73763 52488 32200 20077 60966 26392 06038 67636 73300 88274  
38040 74101 89567 61913 54610 27867 33559 26520 25527 78623  
69038 81848 05528 43075 96601 98442 30521 33160 17140 60342  
38972 03029 96414 09204 12363 24104 85019 50881 02961 43090  
77390 14341 51070 46229 91483 92758 84197 11007 07375 82256  
80800 53461 87752 10099 25149 27634 60190 86192 77498 20844  
82263 28308 76115 85844 58162 000 000

**13386/12189/11491 kHz, 13-07, 1110/1130/1150 UTC**

725 725 725 1 5471 96 5471 96  
26275 94054 20912 06715 25518 24617 94347 99380 35028 02256  
01834 60092 57885 77533 03902 64328 02157 76900 89455 56260  
27826 62707 17702 26307 18434 18457 02625 33980 59828 11322  
92199 42585 87137 90559 97502 19142 94138 70721 08132 77559  
05833 27167 50055 36850 83349 16184 43651 45805 99045 97588  
18050 72431 65223 14430 77890 92889 30303 53154 21489 37814  
52270 30051 43647 52287 72998 62096 14744 17599 53649 84003  
14036 23384 10089 05206 86282 46499 21964 74471 74758 42758  
32035 51101 68382 90441 61499 39708 28906 91609 52364 80838  
47332 18141 54029 79222 84446 37740 000 000

**13386/12189/11491 kHz, 20-07, 1110/1130/1150 UTC**

725 725 725 1 6815 92 6815 92  
22580 34981 95762 45104 47930 93099 98039 58950 68629 06503  
21857 53281 03082 15366 66597 50749 27066 79454 16040 38897  
53947 66982 46898 23315 10824 95084 72863 97680 00630 58168  
04636 44797 15044 17158 46415 14429 13403 35498 40619 49188  
76683 39585 00505 71001 63263 49320 12531 57560 30648 45652  
38171 44958 35373 74190 95307 56788 93806 31826 08005 77801  
03752 75095 86169 07210 56929 05530 86668 55378 70968 47386  
04796 44452 29797 19484 44522 47245 31760 49604 10746 83996  
42542 58571 71099 11092 12442 36164 17371 06344 54996 90754  
62065 18019 000 000

**13386/12189/11491 kHz, 27-07, 1110/1130/1150 UTC**

725 725 725 1 5946 99 5946 99  
77127 65387 71083 68582 19854 48624 73348 84430 02861 41821  
90997 79582 88139 38595 13171 81249 29304 74370 99502 11477  
56970 68288 66180 84081 95886 27059 76564 60608 81584 27703  
60558 07007 88781 91543 87093 79044 50912 71983 99620 04774  
01274 99510 16662 88553 81714 91792 32303 38273 75872 23001  
29135 84025 71696 83629 05816 33992 51770 31944 87016 58903  
87701 71971 54109 54882 73170 25650 44853 84753 21239 46910  
10076 45909 24466 05661 17250 51885 65549 44088 24661 86569  
80309 47570 37143 69972 64788 60642 86297 61454 69375 53234  
87732 42522 41052 65270 55435 71922 27393 18863 36120 000 000

10767/10167/9267 kHz, 2100/2120/2140 UTC

**10767/10167/9267 kHz, 07-07/08-07/14-07, 2100/2120/2140 UTC**

712 712 712 1 310 120 310 120  
77158 20700 41355 36856 97590 57210 75812 45902 78581 10387  
94757 91747 07683 71048 46211 42213 51279 74408 03460 55447  
21268 49762 91579 22050 00598 71380 22859 22833 27461 38451  
36576 09033 42508 27347 91656 92565 20848 15865 04505 87541  
98400 16449 45881 10659 51122 76330 13611 38564 72368 35516  
83379 49080 46480 96924 89214 15013 44182 88976 77675 61971  
20804 06806 84752 86556 38499 67739 94929 51404 89947 60821  
63643 19122 02202 62304 81187 36096 44338 50059 57459 97532  
68368 87051 07660 66097 46172 53700 90048 23889 75223 68810  
80297 23352 23085 53629 98369 22361 06497 26205 00495 94001  
84397 29680 55743 40115 96413 27678 62608 16271 65969 37626  
34051 77731 35233 35724 83834 66840 90145 90594 86309 19008  
000 000

**10767/10167/9267 kHz, 21-07/22-07, 2100/2120/2140 UTC**

712 712 712 1 223 135 223 135  
64185 72071 70884 19669 60173 53049 35173 31135 68777 60633  
28897 95803 02648 76362 79508 26958 32064 75691 83870 69022  
95588 75356 12512 97473 63554 83331 45667 19589 79700 96769  
30470 30369 67509 12061 22126 17391 26164 41099 70566 01142

37236 42115 38425 25172 58018 87893 45576 72711 00817 71153  
14469 77882 18130 58563 93095 74001 83863 90774 42495 13100  
54469 71930 56096 94094 08531 88867 00442 21753 33099 39299  
14303 86156 41506 38969 66198 47910 57637 75449 43394 86404  
10147 80536 44973 95668 18415 98641 19992 37638 84282 54715  
63013 85257 45429 60985 18561 27363 14106 16065 14355 50942  
95619 21980 75758 46668 22901 39873 37789 99388 31746 46099  
29387 74257 60097 83321 99418 09085 10409 63454 60328 01141  
94649 27866 98771 15346 42067 15469 60872 15277 27488 07028  
04595 77488 14852 90623 13128 000 000

**10767/10167/9267 kHz, 28-07/29-07, 2100/2120/2140 UTC**

712 712 712 1 3850 120 3850 120  
97121 00807 44422 33559 56606 65094 51638 27091 96586 16435  
27523 99020 70124 90188 94769 77443 08047 66970 01047 77751  
31792 86598 58659 93396 17368 10225 15008 12506 80934 27237  
71560 43226 49322 55526 12621 87211 64397 96784 92210 31112  
73590 57400 15272 27650 89412 64141 68619 96936 67696 18447  
61874 26967 99101 86846 51760 13621 22305 03315 23379 52468  
48908 40383 46977 80058 13756 05815 58850 49961 42615 47515  
86164 55717 48928 12843 86627 54666 20316 73400 23595 11624  
06351 92745 75518 55446 54253 63466 33044 25628 92088 85691  
04565 24112 71514 35980 57227 93639 58119 31047 95707 66247  
74274 21853 44708 53817 60956 91260 40239 92185 16113 93082  
88192 21362 41670 13087 24086 08577 31018 39382 52525 12347  
000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

**11435/10598/9327 kHz, 08-07, 1800/1820/1840 UTC**

**1820z: Restart after group 41**

938 938 938 1 8942 79 8942 79  
68713 54746 95851 47570 64342 43463 79178 97584 38977 10476  
50773 15299 10109 04172 66626 85570 49797 72447 45693 36876  
79640 93404 59494 12221 80707 00693 17712 52298 37391 41641  
04568 72669 86573 81369 99237 06783 93172 71124 25509 71562  
37952 01187 04739 54745 69026 34230 81159 23652 50354 88104  
24106 36788 69778 92247 18220 66588 52198 40195 55765 52564  
55732 41890 71903 47893 91282 50664 30832 94874 31198 36721  
84625 33916 35146 62684 99140 79398 93356 94578 65700 000 000

**11435/10598/9327 kHz, 15-07, 1800/1820/1840 UTC**

938 938 938 1 4295 76 4295 76  
50994 66059 84479 48624 10570 36400 25746 97165 64005 07633  
14514 45280 01956 26009 66068 60410 52908 90691 35255 45432  
37647 44838 41085 00369 20086 13513 15186 73694 21317 24494  
41840 37875 08696 99227 73425 07914 79569 97782 04933 44347  
21226 07589 67638 03096 22396 24080 53431 57399 11896 38553  
14385 98264 57783 23322 30005 04423 49559 10671 74653 44054  
04329 14225 53039 61282 26605 83470 63882 05358 67315 34366  
22132 38270 89429 14109 08605 42441 000 000

**11435/10598/9327 kHz, 22-07, 1800/1820/1840 UTC**

938 938 838 1 3618 74 3618 74  
52526 47862 34468 79744 83320 40822 21494 89767 67671 83287  
62746 19321 38640 11410 11068 06511 18955 04022 93554 70279  
68185 41165 53209 59080 71190 86420 04815 27100 82477 51459  
90362 57287 87855 05057 78072 57414 71931 90199 55222 04717  
00981 09546 82030 68545 94061 25751 19344 62010 95631 24825  
27357 69368 52035 89693 37445 47749 86498 36777 79334 74292  
28892 43892 91870 87041 22926 33098 03927 97573 07748 51625  
03969 09638 02912 52500 000 000

13979/13379/12179 kHz, 1600/1620/1640 UTC

**13979/13379/12179 kHz, 12-07/16-07/19-07/23-07, 1600/1620/1640 UTC**

931 931 931 1 7497 208 7497 208  
76762 89252 70354 59528 34283 00714 52860 96107 78784 59865  
79468 72139 88670 80102 14214 90103 14614 02004 10045 64042  
23026 57665 48111 47004 49037 61293 91556 81451 24486 27729  
60364 13777 96144 45500 64159 47202 73302 46952 30530 36936  
99743 47131 20764 98000 45995 75617 49298 55453 08237 21951  
44669 57752 87475 35438 77196 20899 44122 10179 29221 41794  
54354 22474 83621 76980 95620 62690 52182 76767 38372 70997  
05506 83198 99078 48280 17827 62278 44076 95468 58171 13177  
45488 66004 63028 26264 29838 17282 10946 24668 51549 23548  
81061 68301 16529 61109 09336 26038 77797 81450 79699 42564  
75221 97912 05745 88964 36530 41903 88789 35086 32071 29293  
76023 39733 25670 00830 95825 93452 05150 69050 06691 29446  
87750 64156 61259 66016 71583 41453 31956 05721 21251 19611  
04063 85540 82580 01759 34579 02203 66051 56991 87640 45429  
96431 47329 78847 16377 16296 67865 11945 54442 40778 93016  
84729 77067 71322 31321 08734 02165 67206 90874 72233 72008  
59695 55491 42451 18865 30762 23232 13996 78504 40042 63810  
83537 78393 24512 23269 84195 12123 35979 65970 92645 67869  
00087 51019 67040 00343 98128 51405 01157 33310 16068 43948  
41814 39340 62193 48561 17262 19376 61359 30906 85756 39953  
89132 13980 94332 30312 88201 35168 09842 54095 000 000

7475/8075/9275 kHz, 0030/0050/0110 UTC

**7475/8075/9275 kHz, 25-07/28-07, 0030/0050/0110 UTC**

402 402 402 1 613 144 613 144  
10009 82506 29587 49437 08528 96305 09781 02476 71609 93183  
84108 72569 35975 14840 75409 99378 04156 09534 70377 70119  
30910 22474 27453 24403 22168 92864 81805 69845 01685 27565  
63122 41028 32469 58111 42366 41836 36991 53809 73628 86053  
77776 58234 65393 70032 09061 65190 36730 03442 92171 57695  
81869 20123 02409 18160 90845 11093 00595 45127 23507 48300  
34961 01330 26856 16413 37466 25925 62281 44484 40307 54856  
57143 67936 71773 85658 47529 21765 83771 86670 14424 30938  
27764 58568 81508 18142 56642 23363 36656 90471 65181 54162  
47848 76004 46045 71596 41177 12587 64082 67269 84658 00824  
23678 06095 60013 48448 32954 56879 94178 79040 85610 95627  
13423 27482 29551 41887 30657 29208 97269 91882 22846 38340  
68670 31392 22430 80247 10660 32398 42333 43251 63676 53461  
49583 83228 41820 16560 78281 52083 67099 92857 14655 09087  
63150 39913 93479 36788 000 000

**M14**

**12211 kHz, 03-07, 0500 UTC**

**10243 kHz, 03-07, 0520 UTC. Off after group 50**

952 638 638 51 51 = =  
66998 44994 39318 04072 75565 06930 34622 59396 99619 31449  
13913 16570 75312 90205 64929 36626 94513 51021 44138 63691  
61811 31639 89251 06324 94970 70760 18172 50984 86036 02311  
44050 56072 65263 43855 61139 99967 35076 35125 81148 81513  
66225 87563 24758 96375 73345 30862 98007 37721 12091 67391  
08236  
= = 638 638 51 51 00000

**12211/10243 kHz, 04-07, 0500/0520 UTC**

952 714 714 53 53 = =  
47752 17668 16344 03183 69536 11450 43451 99156 98758 40174  
79336 35879 48829 22719 52534 01795 65851 84013 34742 65631  
19611 78720 02956 05788 44265 63440 44263 53101 45930 03403  
33021 95431 19351 24552 35063 17501 40838 46992 18663 74416  
29666 60715 76912 22335 95105 29545 91215 54685 11306 34251  
90589 17396 87177  
= = 714 714 53 53 00000

**12211/10243 kHz, 05-07, 0500/0520 UTC**

952 386 386 57 57 = =  
12382 85616 20373 96183 05905 35516 51909 17079 91587 95637  
39475 31788 59987 64152 75856 88887 52206 12661 24500 07830  
51610 63529 99948 49880 82281 00920 16739 31347 18904 38949  
23939 65032 37757 95408 67522 40834 63507 44499 47758 81458  
91500 46995 63809 34162 90213 81295 62724 84461 13581 23789  
35017 02764 77868 51972 24005 59837 82786  
= = 386 386 57 57 00000

**12211/10243 kHz, 05-07, 0500/0523 UTC**

952 701 701 52 52 = =  
06070 00919 87708 44567 69310 49800 33706 73436 62670 34610  
12557 65420 29872 00301 55729 86420 18275 47903 64548 98895  
94349 55642 34506 77164 88933 48973 24204 45846 58214 49234  
17356 83645 71366 55596 51299 59645 60791 40004 10446 94311  
95890 59795 08109 62395 66312 17674 05152 79912 85606 23745  
38891 42395  
= = 701 701 52 52 00000

**12211/10243 kHz, 07-07, 0500/0523 UTC**

952 864 864 61 61 = =  
56284 51591 44240 68960 29357 87409 43478 05239 07963 50406  
27738 70081 35739 36283 38097 56745 93292 94726 31275 65204  
37401 69179 97201 83759 77817 24586 16535 70361 52601 67822  
81549 50817 87930 90493 28850 76083 53316 88768 57326 05834  
48172 39966 29817 10476 80666 40558 81884 08817 24792 35294  
86168 83560 66602 92115 45738 41825 75545 02570 14885 12864  
61828  
= = 864 864 61 61 00000

**12211/10243 kHz, 10-07, 0500/0523 UTC**

952 317 317 54 54 = =  
35417 29371 73866 21365 65922 58823 72841 10243 57557 39442  
19315 15271 24822 80430 17777 26266 28592 20116 04672 24445  
44953 63912 06934 18874 66177 82913 03752 99020 82256 15337  
02487 58113 06442 37970 64693 66992 13233 99835 43176 03124  
02230 35246 16012 64492 86316 98439 28493 23034 27591 86989  
78905 97312 29486 46165  
= = 317 317 54 54 00000

**12211/10243 kHz, 11-07, 0500/0523 UTC**

952 640 640 51 51 = =  
03424 97161 84714 00603 14718 04001 95659 63577 93410 29370  
45975 52341 22275 94523 53928 93161 82328 27962 54082 94179  
65912 24578 61792 11641 26592 88887 58111 18174 39303 29532  
31047 52809 69196 97235 34097 57425 72604 83406 48011 29301  
78581 21573 56712 44479 24443 58836 73320 31611 43750 89531  
77199  
= = 640 640 51 51 00000



**12211/10243 kHz, 12-07, 0500/0523 UTC**

Note: the last group was only 4 digits long in both transmissions

952 831 831 54 54 = =  
86826 74646 43971 53451 98863 59550 74008 40896 70710 33615  
26980 61480 64678 20677 58471 50154 15490 69526 63288 10183  
60989 51190 80622 32850 08881 36392 00105 21346 25444 82876  
17166 61399 57160 87279 11159 05606 21184 81243 44665 63730  
25597 76455 07441 16157 05397 88295 53412 92662 85128 92791  
04195 83717 04128 9655  
= = 831 831 54 54 00000

**12211 kHz, 13-07, 0500 UTC**

Carrier till 0502z then inverted morse. Carrier at 0504z. Inverted morse at 0505z. Carrier at 0505z. Off at 0507z

**10243 kHz, 13-07, 0523 UTC** Carrier till 0525z then off

**12211 kHz, 14-07, 0500 UTC** Inverted morse. Carrier at 0501z. Off at 0507z.

**10243 kHz, 14-07, 0520 UTC**

952 952 952 00000 Several restarts  
0523z: 952 (R) 53 sec silence  
952 952 952 00000 (8 sec silence) 813 813 56 56 = =  
27921 82395 81875 77752 89070 28220 76152 98609 59482 03910  
39044 66848 27192 63863 88721 78125 79810 42020 49241 02590  
62289 84390 31989 75779 50393 60213 10181 74905 50846 06405  
59873 12657 64069 84997 65917 61696 70449 58259 16286 20066  
26089 11171 33219 60666 78960 75955 14629 32007 41413 38347  
84183 02414 79955 30288 73534 64883  
= = 813 813 56 56 (no closing nulls)

**12211 kHz, 17-07, 0501 UTC**

952 (R) off at 0504z. Back at 0506z with group 4. Several hiccups during the message

**10243 kHz, 17-07, 0520 UTC**

952 764 764 51 51 = =  
02120 73466 09803 16166 29578 20800 03376 02051 16615 81422  
20714 94909 87039 40676 34940 67457 14958 96687 49754 78497  
70922 59926 80954 99282 47500 49730 82823 64189 06398 98742  
14065 19155 14380 01200 22977 66294 60123 65996 56556 28155  
69232 60483 23206 80033 55957 55916 63753 23801 04152 10510  
10455  
= = 764 764 51 51 00000

**12211/10243 kHz, 18-07, 0500/0520 UTC**

952 180 180 53 53 = =  
56136 55316 08636 36969 85494 78249 96890 10547 36657 59329  
73052 67341 11422 41307 94705 89408 65646 06374 62328 01754  
12511 36232 38413 61751 38386 35164 81554 23281 92224 20772  
18898 92744 34440 12082 05411 19180 5618 69697 43410 85628  
04965 67697 60777 93974 77584 01950 71304 60418 66253 64547  
65605 63789 68897  
= = 180 180 53 53 00000

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

952 736 736 58 58 = =  
30569 96767 02991 72474 47904 70892 68967 69661 22990 55266  
51467 64888 10714 41578 70226 38357 94677 35810 69987 62872  
59392 37927 12653 33379 81696 17745 50403 01276 46109 10433  
96952 99465 13793 80083 39139 69054 99819 24780 56039 23649  
38422 21617 37777 12199 40920 35086 21245 66302 76016 37288  
84890 42921 27138 13395 69783 98452 06515 50804  
= = 736 736 58 58 00000

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

952 480 480 53 53 = =  
40050 82348 45860 57145 75299 65159 87175 72184 53639 76777  
65865 73622 25654 85585 75874 66310 66287 94440 47972 61494  
93725 79367 61953 31570 12025 45918 47223 06733 63054 32906  
20188 55707 98912 18186 31906 17752 10682 06169 24431 78109  
74467 01769 19283 04119 00658 00459 86483 84140 97347 49133  
67594 36517 83855  
= = 480 480 53 53 00000

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

952 316 316 58 58 = =  
76723 02313 42345 91234 45863 27554 91954 84740 82755 69271  
39071 74189 05485 91102 42965 36381 75274 60275 20315 32417  
61179 14813 99983 75344 47063 42167 34931 83445 66794 98962  
19683 61360 78606 26544 86812 76227 14557 42008 80860 21034  
66017 09412 33130 82354 91138 20851 85806 54683 55224 42078  
38823 68518 39953 02369 17921 24424 82390 33304  
= = 316 316 58 58 00000

**12211/10243 kHz, 24-07, 0500/0520 UTC**

952 748 748 50 50 = =  
38110 13316 63822 61391 62848 05188 52264 89938 41853 04502  
85030 08478 76743 33199 16036 82654 51098 60901 27061 64711  
17801 85401 48940 93160 66172 12075 77369 65611 54829 61904  
31795 26915 21197 62809 30791 39843 03621 03960 82388 30468  
37018 57767 12781 25431 07997 99239 81842 23304 80386 77383  
= = 748 748 50 50 00000

**12211/10243 kHz, 25-07, 0500/0520 UTC**

952 163 163 54 54 = =  
59300 23899 46211 27329 70573 49406 53333 30310 69499 99988  
65206 80468 54229 93229 78895 83899 34122 45342 97519 41436  
14487 63601 36134 96784 31018 87300 70282 98042 51137 63184  
56909 21035 84407 66295 82336 27898 69225 02163 16960 59362  
27963 51281 81384 84157 07762 41806 53672 53986 49150 61414  
72384 37508 49686 44263  
= = 163 163 54 54 00000

**12211/10243 kHz, 26-07, 0500/0520 UTC**

952 870 870 59 59 = =  
62474 01742 81354 63113 51934 28915 66882 90532 45246 63170  
09759 28440 80061 01830 16884 87786 68340 65701 72345 64271  
39922 35689 14238 91216 50646 12166 25259 61289 34719 95531  
29262 78006 06000 11406 10953 22971 37902 28877 00912 49756  
76592 45267 93150 40399 67187 35834 87359 85418 97612 91843  
73059 73314 89836 95475 97833 00475 93147 04967 86827  
= = 870 870 59 59 00000

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

No transmissions

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

952 431 431 61 61 = =  
65300 31525 18807 44326 84087 01870 01287 54167 38780 94078  
12610 44892 76532 71347 80841 92254 28238 23758 09482 54248  
61373 51272 86217 83647 86467 14809 32020 42210 71864 28811  
57750 52482 46471 93760 20478 48129 95194 92067 96693 08747  
76727 95786 14602 90075 18392 59570 12684 85574 67721 97330  
16718 80264 05466 66015 52446 82807 49712 04966 36068 46738  
05807  
= = 431 431 61 61 00000

**12211/10243 kHz, 31-07, 0500/0520 UTC**

952 807 807 56 56 = =  
57375 11045 11945 86723 74742 24072 34879 24671 52261 07493  
15779 71489 14634 44265 41672 98515 74582 53152 57133 57410  
09333 89890 63865 46803 37586 50796 32486 39968 01668 02250  
43705 59477 84535 84500 01091 09764 16338 63224 82598 03534  
50223 27267 23063 42956 12055 56023 44826 41584 53754 04882  
78710 97932 64942 82169 42500 56653  
= = 807 807 56 56 00000

**M23**

5345 kHz, 07-07, 1437 UTC OS3 (R15m)  
5345 kHz, 08-07, 1337 UTC OS3 (R15m)  
5345 kHz, 08-07, 1437 UTC OS3 (R15m)  
5345 kHz, 09-07, 1337 UTC OS3 (R15m)  
5345 kHz, 09-07, 1437 UTC OS3 (R15m)

Not heard between 9 and 19 July.

5345 kHz, 19-07, 1005 UTC OET (R20m)  
5345 kHz, 19-07, 1212 UTC ISO (R50m)

5345 kHz, 25-07/31-07 MY (1x)  
MY is ent every 15 minutes (hh00, hh15, hh30, hh45. Note that M23's clock is running fast. The time difference may be up to 6 mintes per day. Every few days they reset the clock.

5345 kHz, 28-07/31-07, 1057 UTC ST3 (R20m)

MY is probably running on a different system than ST3 which still at 0157 while MY's clock is running too fast. Maybe ST3 is started manually.

5345 kHz, 31-07, 0257 UTC time beep  
5345 kHz, 31-07, 0357 UTC time beep  
5345 kHz, 31-07, 0457 UTC time beep

10381 kHz, 27-07/31-07, 0557 UTC ST3 (R 20m)

20456 kHz, 26-07/31-07, 0957 UTC ST3 (R 20m)

6937 kHz, 26-07/31-07, 1757 UTC S1S (R15m)

11530 kHz, 31-07, 1357 UTC OSS (R20m)

4822 kHz, 27-07/31-07, 1957 UTC S1S (R15m)

**M51a / M51b**

**M51a: 3881/6825 kHz, 22-07, 0700 UTC**

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

SAMEDI 5/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =  
CNDJE QATLD BVCNE ZMALO OWLPS SHDYE BNNXM AKQIU KFJEI 23658  
VCSBS .?,ASVA IW0EJ VXF5R AHQUS VDGWT SHGYW NCGET SAGQY VXTEU  
11976 LMPHO /=.VA' BCGCS SALQ0 ZNXBS DJWUG SLOWP SNDNW SKAYU  
PWOIE 89650 BXCSO ,AS.,/ CXRSY KOSPO BAERE BVNDJ LKOEI DGFWT  
CXZVA NCBYW 32980 NVHEI .',/? AQPSL MXZNA LAPQI BCVSN SKAOQ  
XMLJA SHQUX VCB5H 45873 LPFOE '/?+. DKWJH BCNSJ CXGAE CBNSW  
+.,/' CAZQS 58236 FZDQH VCBHS LK0IE CXAHQ BCNDJ KSLQI NVBDH  
XZKIW 25869 LMPOS ./?'VA ZAKLD OQPKX BVCNS MXJSI +

SAMEDI 5/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =

EN ME DÉPLAÇANT SUR LES BASES AÉRIENNES ÉTRANGÈRES J'AI D'AILLEURS PU MESURER COMBIEN NOS HOMOLOGUES, QUEL QUE SOIT LEUR GRADE OU LEUR NATIONALITÉ, ÉPROUVAIENT UNE VÉRITABLE FIERTÉ D'ARBORER LEUR TENUE MILITAIRE EN TOUTES CIRCONSTANCES. AU SEIN DES IMPLANTATIONS MILITAIRES OU À L'EXTÉRIEUR, NOS CAMARADES PORTENT UNE ATTENTION PARTICULIÈRE À LEUR UNIFORME AINSI QU'À LEUR COMPORTEMENT INDIVIDUEL. J'INSCRIRAI CET EFFORT DANS UN SOUCI CONSTANT DE COOPÉRATION AVEC NOS PARTENAIRES EUROPÉENS ET DE RESPECT DES RESPONSABILITÉS ASSUMÉES AU SEIN DE L'ALLIANCE ATLANTIQUE. +

CQ DE FAV22 VA

**M51b: 3881/6825 kHz, 22-07, 0733 UTC**

Non-stop 5 character groups composed of M51a messages

NVCM CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCP SL ALQKO 02365  
MCKSO /.?ASVA CZXAD QPLOE BDGEY XMKN S ASLWP XUEWY VNDHW LKSIW  
63270 XMSLD +.'./ VFHRY SWRQT XVSHG LJYPO ZMXNE AQOIU CBDHW  
LPURF 18963 ZAPFO VA',AS? ZMXSK DLSKW CBRYR BGHUT LHKYP ERTWY  
ZXWCD VNCYE 14598 UTHJE '/?., NBN CX VFGER POQAS XCFDE JGHNF  
LKWUE VBCND MLFKG 54796 FSEWA ,.'=. ASQEX VMDS D EWGDD LBKGI  
'.,?. XSGYW 21703 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX ASDWG  
VBNFK 26318 KDFHR ?. 'VA, QHJCM LGDHJ CBETJ AQWOP

XMNAI LPOQI CBSNH ZA QID VNFJE MBKIR NVBDH MXKSI LFPRO 20189  
XAQEF .,=?' EIRCJ ZNSJQ LFEOD CXNSM ZAWIJ XNBSQ AQPOE CNDJW  
45203 LBKPR .,ASVA? XSJWL SMWID LSPOW AQNXH XWOSD NCBSH MLPOJ  
ZWUDH 78391 XARSH ?./VA' BCDHJ AQB XU XVWUH NCMSJ SWIEU XZNAK  
LPIAJ MZNQD 45501 CJFKL ?./AS' AQPOC ZXMSK SWPOI AQLPM CBSHW  
XBSUA ZALQO CNEUH 17890 NCGDI .?/+VA ZA QPL EIUJN XZASQ NCBSW  
,/'? NVUEI 25631 CNDJW LBPOD XNAHQ ZQLDO NCJDS XMCKD ALODW  
XNSGW 36479 VFKEN .VA/'? ZALJV CNWBH SWPLD XBSJA

MVNDJ SKAOI DJSOW JFEIS LPOID NCZMA XZAIU DWEAS XMCNS 96314  
GATSW ./.=, AQPDL CXMZK DIW FY XZNDH WIUYF VBFNS DJUWI LODWI  
25983 HDWYU .,?VA' HFHWU SHAJU BV BXM KSSUW AQLKD XNCGD WZAKS  
JVMBN 62843 BDHWU ., /VAAS BCSGA XZAND BCY WU KFLEO DJFNC SQI WU  
CNMXA KXJCV 32691 HDJSO ./.VA DCGFJ SX CDA CBSHW MCNVU LSOWU  
CNSXB MCDJE FKEIW 39648 HCSIO ..?AS/ BXSJA ZMXNC VYBDH SKDJW  
'/?.' JC SIW 20178 MVKOL SUWDF XZJAS BCNSU NCJSK AQISJ NCDHW  
KZQHG 02301 BXAUD .,?+/ ZAMCK DSIJC BCCNS ZXIQE

**M51a: 3881/6825 kHz, 22-07, 0820 UTC**

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

SAMEDI 5/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =

VXSYW JSJPO APQOI VCB SH ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564  
BCDFW ?+., ' LPDOU XNCBM XZSAD VCBSG NOLEP VCBSQ RYTUI MDJSI  
, ' .?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ  
ALPCI 48932 LPOEI ,/.ASVA ZA QID BBCDJ ALKSO XBCHS SJWIX BCNCJ  
CMSKW CZFST 12036 SAWQD .?=? ZNXJS QPLOS DHDWU XBCNS AJSWI  
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR  
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?. ,VA' NCPOE XBSHW SKWOP  
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH  
MNLFP +

SAMEDI 5/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =

AINSI LE SECRÉTAIRE GÉNÉRAL DU CONSEIL SUPÉRIEUR DE LA FONCTION MILITAIRE (CSFM) ET CELUI DU HAUT COMITÉ D'ÉVALUATION DE LA CONDITION MILITAIRE SONT, DE DROIT, DES MEMBRES DU CONTRÔLE GÉNÉRAL DES ARMÉES. HABITUELLEMENT, ENTRE VINGT ET TRENTE MEMBRES AU MOINS DU CORPS OCCUPENT DE TELLES FONCTIONS. LA PRODUCTION DU CONTRÔLE COMPREND DES RAPPORTS, DES NOTES D'ÉTUDE, DES COMPTES-RENDUS DES COMMISSAIRES DU GOUVERNEMENT, DES AUDITS... LE CGA PRODUIT UNE CENTAINE DE NOTES D'ÉTUDES ET DE RAPPORTS PAR AN ET PARTICIPE À DE TRÈS NOMBREUSES RÉUNIONS AUXQUELLES IL APPORTE SON EXPERTISE. +

CQ DE FAV22 VA

## **M95 - Chinese Military**

**4364//8073 kHz, 03-07, 1130 UTC, V26: USB. XSV85: callup in Chinese voice**  
**4364//8073 kHz, 03-07, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: Messages**  
**4364//8073 kHz, 03-07, 1136 UTC, M95: CW**  
V BNGC (x3) DE XSV85 (X2)  
HR MSGS GA PSE CY  
NR 0486 CK 136 35 0703 1612 =  
TT3 3U6 3AN 3U7 TAU 773 756 356 AAN N34 463 ...

**4243//9054 kHz, 03-07, 1140 UTC, V26: USB. Callup in Chinese voice**  
**4243//9054 kHz, 03-07, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**  
**4243//9054 kHz, 03-07, 1148 UTC, M95: CW**  
VVV HR 7G TO YR PSE CY  
NR 072 CK 39 35 0703 1502 =  
5AA UTT TT3 3U6 3A4 5T7 5TD 75U 354 365  
4T7 33U 34A N3D 4A5 445 3DA 4D3 365 N54  
4DU 5TN 5AA 75U 354 365 4TN 445 3DA 33U  
34A N3U 446 467 3DU 4D3 365 N54 4DU AR  
MSG AGN NR 072 CK 39 35 0703 1502 = (Repeats message)  
AR AHR MSG GA NR 06 CK 183 35 0703 1525 =  
UTU TT3 3U6 3A4 TTU 773 353 N3D 354 336 ...

### **11212 kHz, 03-07, 1220 UTC, i.p.**

R = 6197 AR K  
R HR 7G GA K  
R GA K (Both stations on this frequency)  
R NR 003/CCK CK 5123 0703 1845 RMKS ..96 TO 9793 TO 930. TO 9420 TO 9912 TO 9933 TO 9939 TO 9983 TO 99.2 TO 9907 TO EEEE  
RMKS 9796 TO 9793 TO 903 TO 9420 TO 9912 TO 9933 TO 9939 TO 9983 TO 9902 TO 99.6 =  
795 UTO 996 =  
R GA K  
R = 5.4D .ANT TA... ...  
R QSL 0944 K  
R HR WK NR 410 K  
NR 33 K  
R NIL SK  
R NIL SK GB

### **4690 kHz, 30-07, 1515 UTC, i.p.**

7474 3A56 U4T4  
AR K  
NR RPT 26W U R 26W 3246 K  
NR PT 31W U 4N1N K  
IR31W 3919K  
IR RPT 63W U R63W 3558 3558 K  
RPT 68W U R68W 8192 K  
IRPT 41W U IRPT 41W UR41W 5967 K  
R QSL 2309 A EEEE QSL 2309 K RU 7G GA K  
R MSG GA MSG NW  
MSG NR 2305... CK.. U 81 54 070 2300 RMKS SQI681 TO 8324 =  
NUUN UR7 47D ...  
R MSG NR 236/CCK CK  
R GA K  
11W GA BT 47T5 7D5T ...

# UM04 - PROMRCh

## 4735 kHz, 01-07, 0700 UTC

VVV VVV PROMRCh = 01 07 =  
1000 0810 0830 0930 1300  
1200 0850 0880 0970 1350  
1400 0860 0880 0980 1350  
1600 0830 0860 0960 1300  
1800 0780 0810 0910 1230  
2000 0840 0870 0960 1270  
2200 0840 0860 0950 1240  
0000 0790 0810 0880 1140  
0200 0740 0760 0820 1060  
0400 0630 0640 0710 0920  
0600 0680 0700 0780 1050  
0800 0770 0800 0910 1240  
= ABV =

VVV VVV PROMRCh = 01 07 =  
1000 0810 0830 0930 1300  
1200 0850 0880 0970 1350  
1400 0860 0880 0980 1350  
1600 0830 0860 0960 1300  
1800 0780 0810 0910 1230  
2000 0840 0870 0960 1270  
2200 0840 0860 0950 1240  
0000 0790 0810 0880 1140  
0200 0740 0760 0820 1060  
0400 0630 0640 0710 0920  
0600 0680 0700 0780 1050  
0800 0770 0800 0910 1240  
= AR

## 4735 kHz, 05-07, 0705 UTC

VVV VVV PROMRCh = 05 07 =  
1000 0790 0820 0910 1310  
1200 0830 0850 0950 1370  
1400 0840 0870 0960 1360  
1600 0810 0840 0940 1280  
1800 0760 0790 0890 1210  
2000 0830 0860 0950 1260  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1220  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0910  
0600 0660 0690 0770 1040  
0800 0760 0780 0890 1210  
= ABV =

VVV VVV PROMRCh = 05 07 =  
1000 0790 0820 0910 1310  
1200 0830 0850 0950 1370  
1400 0840 0870 0960 1360  
1600 0810 0840 0940 1280  
1800 0760 0790 0890 1210  
2000 0830 0860 0950 1260  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1220  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0910  
0600 0660 0690 0770 1040  
0800 0760 0780 0890 1210  
= AR

## 4735 kHz, 02-07, 0701 UTC

VVV VVV PROMRCh = 02 07 =  
1000 0790 0820 0920 1310  
1200 0840 0870 0960 1370  
1400 0850 0880 0970 1360  
1600 0820 0850 0950 1290  
1800 0770 0800 0900 1230  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
2400 0780 0800 0870 1130  
0200 0740 0760 0820 1060  
0400 0630 0640 0710 0920  
0600 0670 0690 0770 1040  
0800 0760 0790 0890 1210  
= ABV =

VVV VVV PROMRCh = 02 07 =  
1000 0790 0820 0920 1310  
1200 0840 0870 0960 1370  
1400 0850 0880 0970 1360  
1600 0820 0850 0950 1290  
1800 0770 0800 0900 1230  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
2400 0780 0800 0870 1130  
0200 0740 0760 0820 1060  
0400 0630 0640 0710 0920  
0600 0670 0690 0770 1040  
0800 0760 0790 0890 1210  
= AR

## 4735 kHz, 06-07, 0700 UTC

VVVVV PROMRCh = 06 07 =  
1000 0780 0810 0910 1320  
1200 0820 0850 0940 1370  
1400 0830 0860 0960 1360  
1600 0800 0830 0930 1280  
1800 0750 0780 0880 1210  
2000 0830 0860 0940 1260  
2200 0820 0840 0930 1220  
2400 0780 0800 0870 1120  
0200 0730 0750 0810 1040  
0400 0620 0640 0700 0910  
0600 0660 0680 0760 1030  
0800 0750 0780 0880 1210  
= ABV =

VVVVV PROMRCh = 06 07 =  
1000 0780 0810 0910 1320  
1200 0820 0850 0940 1370  
1400 0830 0860 0960 1360  
1600 0800 0830 0930 1280  
1800 0750 0780 0880 1210  
2000 0830 0860 0940 1260  
2200 0820 0840 0930 1220  
2400 0780 0800 0870 1120  
0200 0730 0750 0810 1040  
0400 0620 0640 0700 0910  
0600 0660 0680 0760 1030  
0800 0750 0780 0880 1210  
= AR

## 4735 kHz, 03-07, 0700 UTC

VVV VVV PROMRCh = 03 07 =  
1000 0790 0820 0920 1320  
1200 0830 0860 0950 1370  
1400 0850 0870 0970 1360  
1600 0820 0840 0950 1290  
1800 0770 0790 0900 1220  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1130  
0200 0730 0750 0810 1050  
0400 0620 0640 0700 0920  
0600 0670 0690 0770 1040  
0800 0760 0780 0890 1220  
= ABV

VVV VVV PROMRCh = 03 07 =  
1000 0790 0820 0920 1320  
1200 0830 0860 0950 1370  
1400 0850 0870 0970 1360  
1600 0820 0840 0950 1290  
1800 0770 0790 0900 1220  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1130  
0200 0730 0750 0810 1050  
0400 0620 0640 0700 0920  
0600 0670 0690 0770 1040  
0800 0760 0780 0890 1220  
= AR

## 4735 kHz, 07-07, 0700 UTC

0702z Short tone  
0702z Carrier for 4m50s  
0708z Some random morse  
0712z VVV VVV PROMRCh = 07 07 =  
1000 0790 0820 0910 1310  
1200 0830 0850 0950 1370  
1400 0 off at 0713z  
0727z Carrier for 36mins  
0803z VVV VVV PROMRCh = 07 07 =  
1000 0790 0820 0910 1310  
1200 0830 0850 0950 1370  
1400 0840 0870 0960 1360  
1600 0810 0840 0940 1280  
1800 0760 0790 0890 1210  
2000 0830 0860 0960 1260  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1220  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0910  
0600 0660 0690 0770 1040  
0800 0760 0780 0890 1210 =  
VVV VVV PROMRCh = 07 07 =  
1000 0790 0820 0910 1310  
1200 0830 0850 0950 1370  
1400 0840 0870 0960 1360  
1600 0810 0840 0940 1280  
1800 0760 0790 0890 1210  
2000 0830 0860 0960 1260  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1220  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0910  
0600 0660 0690 0770 1040  
0800 0760 0780 0890 1210  
= AR  
0810z End of transmission

## 4735 kHz, 04-07, 0700 UTC

VVVVV PROMRCh = 04 07 =  
1000 0790 0810 0910 1320  
1200 0830 0860 0950 1370  
1400 0850 0870 0970 1360  
1600 0820 0840 0940 1290  
1800 0760 0790 0890 1220  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1120  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0920  
0600 0670 0680 0770 1030  
0800 0760 0780 0890 1210  
= ABV

VVVVV PROMRCh = 04 07 =  
1000 0790 0810 0910 1320  
1200 0830 0860 0950 1370  
1400 0850 0870 0970 1360  
1600 0820 0840 0940 1290  
1800 0760 0790 0890 1220  
2000 0830 0860 0950 1270  
2200 0830 0850 0940 1230  
0000 0780 0800 0870 1120  
0200 0730 0740 0810 1040  
0400 0620 0630 0700 0920  
0600 0670 0680 0770 1030  
0800 0760 0780 0890 1210  
= AR







**4735 kHz, 24-07, 0700 UTC**

VVVVV PROMRCh = 2407 =  
 1000 0800 0830 0920 1320  
 1200 0840 0860 0950 1370  
 1400 0830 0860 0950 1360  
 1600 0810 0830 0930 1260  
 1800 0760 0790 0860 1200  
 2000 0840 0870 0960 1270  
 2200 0830 0860 0940 1220  
 0000 0780 0800 0860 1100  
 0200 0710 0730 0790 1010  
 0400 0620 0630 0690 0900  
 0600 0640 0660 0750 1020  
 0800 0760 0790 0900 1230  
 = ABV =  
 VVVVV PROMRCh = 2407 =  
 1000 0800 0830 0920 1320  
 1200 0840 0860 0950 1370  
 1400 0830 0860 0950 1360  
 1600 0810 0830 0930 1260  
 1800 0760 0790 0860 1200  
 2000 0840 0870 0960 1270  
 2200 0830 0860 0940 1220  
 0000 0780 0800 0860 1100  
 0200 0710 0730 0790 1010  
 0400 0620 0630 0690 0900  
 0600 0640 0660 0750 1020  
 0800 0760 0790 0900 1230  
 = AR

**4735 kHz, 28-07, 0700 UTC**

VVV VVV PROMRCh = 28 07 =  
 1000 0790 0820 0910 1310  
 1200 0820 0850 0940 1370  
 1400 0820 0850 0940 1360  
 1600 0810 0830 0930 1260  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0930 1210  
 0000 0760 0780 0850 1090  
 0200 0700 0720 0780 0990  
 0400 0610 0620 0680 0890  
 0600 0630 0650 0740 1000  
 0800 0750 0780 0880 1210  
 = ABV  
 VVV VVV PROMRCh = 28 07 =  
 1000 0790 0820 0910 1310  
 1200 0820 0850 0940 1370  
 1400 0820 0850 0940 1360  
 1600 0810 0830 0930 1260  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0930 1210  
 0000 0760 0780 0850 1090  
 0200 0700 0720 0780 0990  
 0400 0610 0620 0680 0890  
 0600 0630 0650 0740 1000  
 0800 0750 0780 0880 1210  
 = AR

**4735 kHz, 25-07, 0700 UTC**

(partly unreadable)  
 VVV VVV PROMRCh = 25 07 =  
 1000 0800 0830 0930 1310  
 1200 0840 0860 0950 1370  
 1400 0800 0860 0960 1350  
 1600 0810 0840 0940 1260  
 1800 0770 0790 0890 1210  
 2000 0850 0870 0960 1270  
 2200 0840 0860 0940 1\_\_\_\_  
 0000 \_\_\_\_ 0790 0860 1110  
 0200 0700 02\_0 0780 1\_\_\_\_  
 0400 0610 0630 0690 0890  
 0600 0650 0670 0750 1010  
 0800 0760 0890 0760 1230  
 = ABV  
 VVV VVV PROMRCh = 25 07 =  
 1000 0800 0830 0930 1310  
 1200 0840 0860 0950 1370  
 1400 0800 0860 0960 1350  
 1600 0810 0840 0940 1260  
 1800 0770 0790 0890 1210  
 2000 0850 0870 0960 1270  
 2200 0840 0860 0940 1\_\_\_\_  
 0000 \_\_\_\_ 0790 0860 1110  
 0200 0700 02x0 0780 1\_\_\_\_  
 0400 0610 0630 0690 0890  
 0600 0650 0670 0750 1010  
 0800 0760 0890 0760 1230  
 = AR

**4735 kHz, 29-07, 0700 UTC**

VVV VVV PROMRCh = 29 07 =  
 1000 0780 0810 0910 1310  
 1200 0810 0840 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0810 0830 0930 1260  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0930 1210  
 0000 0760 0780 0850 1090  
 0200 0700 0710 0770 0990  
 0400 0610 0620 0680 0880  
 0600 0630 0650 0730 0990  
 0800 0740 0770 0880 1210  
 = ABV =  
 VVV VVV PROMRCh = 29 07 =  
 1000 0780 0810 0910 1310  
 1200 0810 0840 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0810 0830 0930 1260  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0930 1210  
 0000 0760 0780 0850 1090  
 0200 0700 0710 0770 0990  
 0400 0610 0620 0680 0880  
 0600 0630 0650 0730 0990  
 0800 0740 0770 0880 1210  
 = AR

**4735 kHz, 26-07, 0700 UTC**

VVVVV PROMRCh = 26 07 =  
 1000 0800 0820 0920 1310  
 1200 0830 0850 0940 1370  
 1400 0830 0860 0950 1350  
 1600 0810 0840 0930 1260  
 1800 0760 0790 0890 1200  
 2000 0840 0870 0960 1270  
 2200 0830 0850 0930 1220  
 2400 0780 0790 0860 1100  
 0200 0710 0720 0780 1000  
 0400 0610 0630 0690 0890  
 0600 0640 0660 0750 1010  
 0800 0760 0780 0890 1220  
 = ABV =  
 VVVVV PROMRCh = 26 07 =  
 1000 0800 0820 0920 1310  
 1200 0830 0850 0940 1370  
 1400 0830 0860 0950 1350  
 1600 0810 0840 0930 1260  
 1800 0760 0790 0890 1200  
 2000 0840 0870 0960 1270  
 2200 0830 0850 0930 1220  
 2400 0780 0790 0860 1100  
 0200 0710 0720 0780 1000  
 0400 0610 0630 0690 0890  
 0600 0640 0660 0750 1010  
 0800 0760 0780 0890 1220  
 = AR

**4735 kHz, 30-07, 0700 UTC**

VVVVV PROMRCh = 30 07 =  
 1000 0790 0810 0910 1320  
 1200 0820 0840 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0810 0830 0930 1250  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0950 1270  
 2200 0820 0840 0930 1210  
 0000 0770 0780 0850 1090  
 0200 0700 0720 0780 0990  
 0400 0610 0620 0680 0880  
 0600 0630 0650 0730 1000  
 0800 0740 0770 0880 1210  
 = ABV  
 VVVVV PROMRCh = 30 07 =  
 1000 0790 0810 0910 1320  
 1200 0820 0840 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0810 0830 0930 1250  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0950 1270  
 2200 0820 0840 0930 1210  
 0000 0770 0780 0850 1090  
 0200 0700 0720 0780 0990  
 0400 0610 0620 0680 0880  
 0600 0630 0650 0730 1000  
 0800 0740 0770 0880 1210  
 = AR

**4735 kHz, 27-07, 0700 UTC**

Not monitored

**4735 kHz, 31-07, 0700 UTC**

VVVVV PROMRCh = 3107 =  
 1000 0790 0810 0910 1310  
 1200 0820 0850 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0800 0830 0930 1250  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0920 1210  
 0000 0770 0790 0850 1100  
 0200 0700 0720 0780 1000  
 0400 0610 0620 0700 0890  
 0600 0630 0650 0870 1000  
 0800 0740 0770 0880 1210  
 = ABV  
 VVVVV PROMRCh = 3107 =  
 1000 0790 0810 0910 1310  
 1200 0820 0850 0930 1370  
 1400 0820 0850 0940 1350  
 1600 0800 0830 0930 1250  
 1800 0770 0790 0890 1210  
 2000 0840 0870 0960 1270  
 2200 0820 0840 0920 1210  
 0000 0770 0790 0850 1100  
 0200 0700 0720 0780 1000  
 0400 0610 0620 0700 0890  
 0600 0630 0650 0870 1000  
 0800 0740 0770 0880 1210  
 =AR

## DIGITAL MODES

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

M42 – various modes

**11561 kHz, 12-07, 1153 UTC. CW + FSK 100/500. Moscow wkg RHO: Chita on 10467 kHz. Operator chat and two messages  
10467 kHz, 12-07, 1153 UTC, CW. RHO: Chita wkg Moscow on 11561 kHz. Operator chat but too weak to copy**

11100 30109 00000 12130 05003  
77346 04073 18603 06046 93596 90001 25073 89616 03010 72106  
97010 87507 39250 66038 24356 82897 60566 49832 06256 91305  
18562 26506 57762 62886 13391 18773 77195 87935 65063 44336  
16320 16563 55553 45174 20552 28464 21398 69274 31371 13722  
01466 28247 68121 50586 69595 79246 31406 91159 06782 04659  
95237 90930 92597 87972 80154 43097 20546 09279 24480 03609  
67024 08841 95913 17867 68589 92164 10639 85026 87207 75017  
52141 20835 68183 91810 06921 04936 20454 15820 59285 23588  
73929 64636 12415 43736 93574 89329 27877 79356 54916 70727  
00799 36035 10660 71264 12859 44698 03115 15834 30306 20449  
02098 00087 39178 07429 73023 49604 34928 95659 04849 78382  
08617 20796 52573 20084 96885 82718 73973 30468 87880 43917  
65270 84455 00329 93599 25401 16263 77935 88452 03597 76031  
66308 06007 09953 01406 64589 71536 93660 27492 68978 44427  
18620 83622 50335 74959 91090 50384 33062 67436 19084 75339  
67429 10597 08187 70861 12560 61252 23489 42555 72233 92084  
72320 21671 50715 39540 87468 99957 20795 12757 15580 90404  
21216 49468 40416 62288 25689 29816 95668 23983 50668 84010  
47009 51958 94098 54772 48058 89403 22295 00504 99982 62922  
47156 50115 69380 90729 60905 45450 44156 80789 20525 32248  
32079 42333 99101 85573 31699 59191 46236 80665 30311 98386  
24741 45123 08664 52404 15777 53385 57089 38606 09648 49428  
32750 04207 24422 08625 12684 10245 19572 74702 22335 93008  
96825 32733 44270 26331 05404 04100 36745 33208 93851 74371  
16831 20165 75629 90020 87776 32815 00664 84938 15296 56055  
50046 22661 82471 07315 96057 65257 77950 96318 94721 04822  
97141 49788 03053 18497 61076 24517 38207 32964 82640 57274  
20719 09358 34854 24950 68994 84510 00888 13395 37273 29499  
10510 18398 14229 11402 92640 27214 24406 69219 98714 54114  
99671 39900 76521 28360 12876 95385 99232 58069 90908 76646  
79285 18390 49336 35613 21820 37437 15811 20964 97350 78409  
34430 68694 38371 41344 68249 83410 89564 32936 42120 21281  
66320 77857 93051 10587 01234 70022 20277 70810 83288 87228  
52214 16189 19393 17617 72513 54688 72980 71383 72365 18314  
59331 76184 21274 85716 02336 79667 73472 83012 82361 07574  
52166 73772 29926 50837 78805 74098 44851 80133 39551 53742  
45603 11300 06148 09198 78487 70079 53373 19695 41398 29609  
40257 22056 01806 19112 47255 65317 13670 27204 86574 31094  
62963 48283 27824 30589 96501 45405 06188 14211 13758 28115  
05304 54716 26352 68650 32041 89838 14906 04965 25351 35310  
37951 03997 66397 04248 72567 83642 82135 93813 91453 16851  
59545 25102 06112 66281 12683 47186 30829 22973 69766 41262  
47149 47450 72456 85829 73518 36709 04541 68841 69799 65521  
92193 57769 31328 75489 43010 63510 52217 10294 15993 59083  
62578 20569 39688 39049 69364 86850 20649 30583 55505 34018  
09423 92156 17036 35685 16240 60742 42903 31967 93604 33501  
67129 09064 27961 94874 48029 14097 07632 25027 54171 03641  
59213 50568 61750 49381 69616 23509 93089 49333 35937 39362  
50936 18079 10348 30357 28239 54430 32198 94675 98115 09979  
64504 47670 13670 06964 77026 05988 72370 78887 43112  
11100 30109 00000 12131 05003

AUJLU OHRVO LMC PF KAHWI UGKBP LNMWK DGLPF EWJYO AQQQV GGYJG  
 CNSUI VWEHJ UEHXR CNWUO CMAVX TXHWA JKMBP OSVKJ XBBQO WRUJU  
 TTMIJ ERCSG INKDX CKVSU UNEPO UGPTL TPBJY EIGQU EWHYB VFGBO  
 GPMUI VQSWE JPVJR LBGVE DBNGR PEYGN KOYIK THPDV HJEBU NWAFFW  
 OMBTP NUGSW DHJLJ CKNMO GTROY IYXRQ OQVKX WQJHI XBKQ GDGVT  
 YGTMQ UVGRU CUGCR NVCIO CYGXO XBHFF YOIEU EAUDM KSBSD AXKYC  
 TDLXG AONFH RPOQU QAHXW GUQSM IVJYM WKPMA PUSDC UXMFG EEYKO  
 YXWMB GHIBE YFDMW GQAWQ RAKNH UGUTE OAYPW NGAGH AQVVL PCFRU  
 TGQYP FPMNU MILVC DJNBG FLXCC QVCEP RIVCQ DWVVK TVWJM QVKPP  
 HMUVW BBHWX NTNMT RGARF DUIFA BNEAX CRVSU GRCRC REALN XJQEM  
 LPNFI QODYM VWNMT IUFBA QTYRY NEWSO GWMGV DMLSC OWSBS WCALC  
 KQIPX HEFLE BYGWF DTIJI KNOAO XWTXW EYEDU LNQUY MJTNF PTATQ  
 BRXRQ RKNHX PNORK OWOEG OPXPO VBKMH FCNHH XYAUP JIJUB WFIBT  
 UQNBQ QHPYH MHFUI MCHKE NNWVP BAXIV LKDCJ OUYAK CJXYT CTCJX  
 HNRHT KUYVB LTBKG VASYQ XYQJW FSJVO WQTGT OBXNP UBBUL BXBAI  
 BJPYB IJMJE GRYJQ TMQDJ IMFRJ VWHMS HLENP DPQJD CFKXL SINBK  
 MRXLG KOXKN VSFIV DWDVD VGGJK ESJQG UMWVD TCKQE SQMWQ RBTLS  
 JYSRI PBUWS XXPCB WTCVS JYGD M WXHWT PSTTU BFCWV NGAUM YLUUL  
 PAHRD WLHSH UAVVU OWSSA CTTEA IVSDP FGJYV YCLPN HDTBU VHQT V  
 MVQLL QRJNL TICJE NONSS TBHJV ELPBV DIWDC MVTEW NWBCP YWBGF  
 GGHAU BNDTW BIPVF NUUWK AGINX WARLF WCPBD PKGSL DNIOV VNWVY  
 CMHYP INVQN RQHJG QVUDM MFYJB OKOUE WBMQL YKBFC WUJQB AYCNP  
 KMJGB HIQUY TNJNS NMGFA NRFJG JMTIX UTEFD XFENM NSYEM NBQGT  
 QFGVF IBQYE GGBYU XXHPX WGALV NAPHK EOUPH RMHLD LWFPA WEDFA  
 MKWKO JPCNV TCYDB HUIE YGWSH FEWNQ TLKOB VPMIO HXMXV CCJFA  
 UHFDA UJPM L OLSOC JWWJP VSGYA THWAX BXOKS RIDYX PTNXN YKSEE  
 DJYPB OJTQF CGBHW PXSGB KWPA A PYWNR NSBBE FAXIT FBBBG IWLGP  
 YPPPG FEKDF SEUCG SVVGS DMMOW UTHPU BPOLG UUIJM LNOEX BWIFW  
 NDQNN IARAK HXQSV ERRGF AVQXS TVVYL GUHXH KUBAJ NADOK SNYYX  
 ANEOV GFXQC NMVHR GCOFT XGDIN TLDDV WUDWV KMYCT JVNPS DQWPH  
 FTDJU SVYAG AXXBG TMNHE TIIMV SIGRC YTOQF JSMPB FCJLF XNQVJ  
 IOSRS VJOAT DPACP EENHA KFDOD USFTS EQYOS YBWO AXYTA GBLJW  
 COVDV EFOYF JEEHA DRFLS FYGAV JUBCV JXYPR VJJFK GTFBC PLYVP  
 TUBSO OESYI KYFWW LSSOE RENEU JMBQJ MILRB PQGBQ MQCRE RBNWO  
 LOWTO GIWMK KGELE DVEXU GNAPR FWVHV CQTD A ISKJK PRREQ FSGCQ  
 TFHFT PFWGJ XDJLK IYCCM EMUFX JXTYO FDGMJ CNXCK QFCMW BCIQL  
 NXPRN NTSEI SAULK WJBRV HTPSJ VUSNC PYLOC JRMFR SEBXF DYRXM  
 DLEDC AASLH LIJGD VOWQE RLDLY YWOPK JLLRN AJSIO DWKNE DLSPJ  
 DXVTG MQHEV TSQER LQDAG CWGBA XDOBQ JXLKQ BYNHI JWRIN TNGM  
 APAFK STOPF FOOMH NNJNU GYSIM ELRHO NJOJE DDFEE DNAAM XUJBL  
 HSUML ODILW TEDIG VVDCF QIORD XAAQK HPVNN NRTJX LXIRC EYXKV  
 BVOJX PAVOI UIMUA OVEOW TIXUB MYYAF NVVPI HKWUV GMUCJ SSFLU  
 EQUAD BLVTA WVC SJ JEA EK HKOUR XWOGT AIMMQ OYSRU YYMRC COLJC  
 CACPU RUHIIH XRHWM RLTDK MKKRC FTQNL CYWUJ BQHCX IKKHD DDGCM  
 XEENM HENQY JLNRD ACUMR UWWDM BLBHX GUKPO YFQJ ITIWT FHYXN  
 GWTKG GEIHA TGNVI VFKDC SERSR QVFMF EGLSF DCHQP RVKNI XDOK  
 RUXYU MUWVC VIYSC AUTHH JJUSW VVN XV ULTQC KXVEH QCFCY AWKSL  
 DBXBX EXBEG RJQVB BLVOM HUFDH MSVBK OMGYE DIEDR CUWIG VOSMG  
 IFSWK AQMIJ JLINP ADDKA EEJDU KCOWQ CEERF HCDPI RIIWN MJWAO  
 PNNPM EKUAB XDJWD SMFYV KJJXT XEKFX GAOTT WWCJH OFDQW

Operator chatter in FSK-CW post-messages (11561khz only, 10467 too weak to copy):

QRV K  
 RPT  
 QSA 3K  
 QRS \_\_ K  
 QSRE 5 QSL2 K  
 RPT  
 RPT  
 NIL K SK

19-07, 1130 UTC, FSK100/500 (tentative scheduled start time: 1145z). Logged by qsr711.

1130z: 11561 kHz (Moscow) clg RHO  
 1134z: 10467 kHz (Chita)  
 1135z: 10467 moves to 14556  
 1138z: 14556 clg UBC  
 1142z: 14556 moves to 15677

1149z: Chita requests Moscow freq change to 14653. Moscow moves to 14653  
1152z: 14653 UBC traffic: 11100 30109 \_\_325 19134 05003 (5fg message) and 11100 30109 43221 19135 05003 (5lg message).  
Malfunctions during first message sending.  
1205z: 15677 RHO traffic, inverted FSK: 11800 30109 35896 19133 05009 (5fg message) and 11800 30109 87439 19134 05009  
(5lg message)  
1213z: Moscow CW: nil k sk

Also worth noting that the link seems to be Chita -> Moscow due to the last digit of the 5th group. Am I correct here? I'm still inexperienced with M42.

Here are all message transcriptions. I did my best to decode all four, but Chita modem is much harder to copy for some reason, and Moscow modem failed during the first message:

#### MOSCOW MESSAGES:

11100 30109 4\_325 19134 05003  
58955 09889 79428 83241 16709 50119 42862 36731 90262 70965  
25287 03772 19876 90210 73006 77872 58037 69974 70037 21186  
00826 92296 09760 91496 66647 71533 50644 89636 77005 77005  
23256 63229 19029 64341 80711 27736 94406 38946 09782 90713  
84454 00041 44823 90236 85966 38700 51737 83417 97562 88337  
74125 45958 61213 51064 58849 68682 88623 48367 03165 61968  
27169 69542 90630 04036 45071 16314 07974 94014 40495 67088  
60092 95738 04269 09274 25405 83199 90890 13098 18703 23595  
77537 45376 53720 58915 15741 46649 22599 72002 05429 20148  
34424 48019 46019 05999 80048 67262 44247 39133 15351 90267  
83428 14319 80160 21130 83822 06758 94998 59991 08807 21693  
02847 80619 96534 71449 48118 94027 21771 03359 10029 84061  
17589 27000 32547 25900 11619 14196 18107 23405 \_5536 70190  
77295 26248 59473 99472 5662\_ 12773 4\_\_47 14650 51883 49505

From this point on, modem fails and stutters, making the rest of the message unreadable.

11100 30109 43221 19135 05003  
LUIQU AHXHX UPRVP VOPXN VYFSG HNCOF AYFXM PSTSP DVLSW RCHPU  
VFRIN CDODG EDQEK NNXFW BCLXP EDGSI YCDTA LECMK RBONV ICBSL  
SPLJN MIRLU MNACK IIDRG SCIGR BPKKV PWNVH DDLMN GYYRD NQUBC  
TVOPE AVTPN LNDNB MCTOH UGDTJ URFIE HTFXJ LEXMD ECJPS NNFMI  
SBXBA MOCCB GJXMA DARDD JTEPJ UBAAK GRYJK KYSCY TYOFQ KHWUB  
TCOTG WPWHC ILIHC LRJMM ABDBX NVNGH PSSUJ MOWGQ AGMLU JMCAJ  
GAFCQ JGBSP HDWON SIPAS NABYI KUTDQ RJEWB FTEXN FHXXM YPTHE  
BUQYU TKCTE IBSRL DQOYS RPAAV WVXEG INWRV OYYCD VCWE\_ EPXRO  
TISXQ CVXXB MYUJG EKAQY NYNUV EWDIX NWRMP BIQVR DJOFJ ROEOL  
EANWT TOQPF SBDJF SENDP AKMRK PWUXY QFOKT YRERO CPYNE YWNUU  
TTNEK HWJNK AWRD IRFJD FSTAQ XWYIQ EITRS RYBSB SMDMQ HKYLI  
AMROE LOFFU BULMN UEKJ OUEKI QGPNK AXYTC CPNTN REQVB QBKML  
LJXCU SEHCG XSAKQ EYUHE QNNUT QXBGN MPXOF WVNYP LVJXA BSQKX  
IVTBO VAFHY QCCLF FTPTA PCSGD BFXWV XESMA JGNAN VPQVJ GUAUD  
JWQFI GTXPW CCRVK KMYRG JUQDK KNWVJ JTPCH WRTJM YSJMF TDKPS  
RTVHD PUCYC XFLIV XHCGV FOWAV RQMPT CWQVC EDDOE CDFYX BOYEA  
JOFYP BVGQA JETAN QTVWS BRQCG TPPOF BCOBK JFDWF IWVUX WCIPV  
AHNMI SGGCE AXPYH NLMNH MNJKL IASPL JPMUW ICNWQ WHERI KBJHA  
EJKSY IKS RBQTTT DXSYP JUNAR LEMIX FMNCO BTYUO BSAUO APBDB  
EVJBH WKLVK QRAMR YNBNB SVGWS AOCEJ SMAUD KJUNI QPNFT MNJSS  
LSBXW BDOOV BVUCB UIKWF LXOSO DBATM EDHKO TSCRW IFFED QUTGE  
VYTOD PICSK VISSI BYRVC OSSEA WGWDJ RJDKN SOHIY DBWSA JTVVL  
OOPYO UERMH VBXIN FVJUA GNWHW JSMLP RHLJG RRGVC XEAUR WRRGS  
JGPUD IOSSH RSVYI ONFAS ONMSV NJMEM MJJOD TIMKE AQHFO OJRFA  
KOFNS YRPSE LRMCP XJNHV RTSFO PAYN\_ QUSED MCQXI ELVXO FNICF  
IPKOF EJBFL SEWNY YYSQL FMMPP FGEFA WEBUJ KTPDF CHODM GBNVO  
KUHTD HVAJX KMLQM MCVCF QKMFS DVHVL GGADB LXWOH XQKLN CCQYK  
UJJNB POITF KLBAX KMNIH RKHVG QVYQG YJUFF ALIWD XRRGL BIRTS  
GYYHB JNHCV JEBVU NOUCT PINQQ UELGT GLCAD DCKPN CKVFU TQUKP  
LPYAI GIYFH KFJUU BTSML JYNJC GOYXI FOSEN OXUTT YPILQ PXGHH  
QJIFG MKAMB FYWLD BAUVJ AIJJI UWKJM NLGIT DBQOE NJDJA NQLMT  
MDCTN NJJYJ RCKIG ULVSV XKIHH VOTHW HVRNC JBXIB VNWAJ MSQXQ  
CBTJJ VSLBR WLXVA GDLAM SPRKL UAYGX HBBLE PUXEW MICPH TDQGJ  
SXYPT KLOGF MFHSL FLPQJ UPMHO IKAKG QQYAD NONMA WELHJ ODOGW  
PRXSC WYTYI UTJVX MCNQN PJQEI GNRAX TVGHW DWVHL WSXFQ PEXLR

RVJLC BSOMK AQMVT KGIYP EASPC SQPPA RXOQX SSDJC OFBHH HGDRO  
YCRML QDRMQ PGXAH TFXFD IWSVB JLJMI AVAVW XNXP KPVEC KYSLL  
XFWKP FYPPJ BRDTS ATEOU RIQMN GWNWV FPWBR KKKUS WNGUF RHGDH  
OWFTJ FCWUP LBIKW SMBBT OOSXG AMSKV TUTHQ CWYLL CRGYN EUTMR  
BVFX Y QUNHO GQGTQ IBSLW WHROY BYUNF ADOIT WVUQK DTODD RAQEF  
HHDQK AKHKT SMSML EGLYJ ELSKM FULVG LJTLE USMPL CBAMN DDMTS  
JHLJV KVOPL KNUDD VOXAJ RCSJW POUR\_ JYMN QKJWH RNIBA SSWCC  
GVVIQ WSQIP VFCLB WYROM JEEAK VIOVG AMIWN BNIVV MXBWB MHFHQ  
LVOMY ORGQE YNYCU JGVTE JYALG PKOTG TMMBH EAKOW QLJLA WBXSY  
CGKDE ICNGF LSIBD OWRBG QRMHL VMWEB TMXCV BLVXA RYSJT YCKDC  
RDUAB YQOHY CCIBA VPRPT PQYOI SOTBK LALPF MWVIP NYKDN BUDIQ  
QDUEF SKLBS BCRQV SHAAQ XAVSO EEOCG RXXHR NPHMB GYCOF UDWRW  
JCXWE YTBXL IYFX YDWJF MBANJ VWVMC JSHEU LXXYJ BEJSG NQDQQ  
SKSUV DGMFR CQOMM DAYVS WOPYR MEDAF HJXYW TFKGU BXVJS LWLAT  
CPYYL SFVBM LVYVE ACHDV XVVPR NPEOR KIFNL RMCIW CVOAA

CHITA MESSAGES (inverted FSK):

11800 30809 34896 19133 05009  
44323 70510 28664 \_4201 75714 66891 60028 62\_31 86839 98939  
30751 69390 75299 98880 82599 96721,96809 68150 19598 91646  
6\_053 19368 88226 48229 76834 89746 45976 54374 71234 69259  
68395 29770 87060 37671 \_5485 43952 87708 87718 20892 76\_48  
79482 \_4899 98349 52081 28661 84158 38260 65804 65286 476\_7  
44031 14462 23777 39492 58836 8501\_ 98751 17232 80570 18522  
94293 44008 28245 85941 21725 38337 52581 20193 84521 49902  
\_8701 49134 31\_43 37506 69071 71538 97937 73533 85315 27429  
22370 6028\_17\_1 29\_03 30898 24704 13896 29140 5871\_32142  
70437 60480 476\_3 80\_31 58300 22785 78174 98\_02 15368 49876  
37337 36812 77382 31858 95883 38920\_1995 59478 14236 371\_4  
71788 64565 4330\_91391\_8546 58080 95288 17430 99686 67159  
67910 37349 37790 16210 49535\_5490 45841 31749 81716 13223  
53508 68600\_4284\_6203 18078 4\_387\_9027 78805 23633 60197  
76410\_7144 45486 71084 68366 52916 60800\_2552 78826 88050  
5331\_1806 27585 49281 18449 72489 851\_2 33199 44205 88346  
76807 20498 29910 56872 70\_38 77630 47819 23872 27827 14229  
85516\_6313 75243 43882 25944 59488 7\_093 21580 42007 15543  
84080\_1710 38742 18276 95477 10081 25360 52841 25598 76535  
90660 39470\_9436 94889 14987 47677 60833 48869 43907 76078  
98278 40964 70083 91084 45057 81654 2308\_5000 55724 30843  
79343 \_\_\_\_\_ 64082 18589 90153 62987 54430 295\_3  
35090 35223 13887 19979 40278 51564 70783 79080 85472 36197  
68358 \_\_\_\_\_ 96\_64 \_\_\_\_\_ 51494 67919 \_\_\_\_\_ 92094 13643 81519  
68437 67643 \_\_\_\_\_ 26231 21726 88728 74713 33159 94237 58249  
27360 981\_4 68229 57570 39688 28342 2\_650 151\_1 54534 84009  
27597 40899 22373 \_\_\_\_\_ 98718 73749 45186 45268 96\_24 60005  
2\_407 12855 71732 36446 24296 20683 72545 18737 30775 6\_307  
\_\_\_\_\_ 49118 82958 43658 93652 56968 55255 24452 69340 13170  
33089 43533 68357 30157 55538 80765 \_\_\_\_\_ 18270 71902 32253  
43717 86198 \_\_\_\_\_ 54400 48744 32367 53208 69579 88674 81805  
\_\_\_\_\_ 92\_90 \_\_\_\_\_ 38940 \_\_\_\_\_ 91030 92508 49388 72658  
85898 20153 95671 58255 8\_56 579\_4 97972 58254 78554 36373  
96999 9392\_79582 56518 \_\_\_\_\_ 24229 56557 37445  
2\_829 34188 80770 \_\_\_\_\_ 34101 68800 \_\_\_\_\_ 29547 41397 70532  
11342 67068 18788 83399 14993 31654 \_\_\_\_\_ 27134 \_\_\_\_\_  
95806 65181 \_\_\_\_\_ 9877\_ \_\_\_\_\_ 81926  
67961 20897 281\_4 \_\_\_\_\_ 72198 \_\_\_\_\_ 63887 88300 66147 65230  
45369 74929 38629 50362 65\_90\_283 1718\_ \_\_\_\_\_ 68936 67387  
69542 241\_8 80449 97546 24435 72282 52208 47873 441\_9 58770  
\_\_\_\_\_ 802\_1 214\_9 75840 75356 88497 31982 30586 2\_866 96912  
59216 63229 52603 70140 25428 68436 27522 84970 82544 97977  
72518 96979 95788 \_\_\_\_\_ 9187 33591 68849 33356 82362 2114\_  
93831 20340 69428 59187 97837 91481 79774 1\_704 78323 28990  
63934 20928 28490 24074 \_\_\_\_\_ 86926 41596 11327 59478 295\_8  
73844 4\_50 15286 98564 75638 38878 \_\_\_\_\_ 98994 11\_40 68556  
92582 95082 78897 52011 44260 66735 33422 14034 68439 330\_5

21373 12674 51515 35448 39030 28442 67045 40357 77913 \_\_\_\_\_  
\_\_\_\_\_ 91900 9276\_ 8080\_ 20779 40180 \_\_\_\_\_ 81579  
\_\_\_\_\_ 93590 48352 \_\_\_\_\_ 81808 68412 \_\_\_\_\_

11800 30109 87439 19134 05009  
Message not available due to bad copy.

Most of the session was recorded from both ends. Left channel on the recording is Chita while right channel is Moscow:  
<https://priyom.org/media/322967/m42-link30109-20230719-1130z.ogg>

F01 – FSK 200/500 via Cuba

**14829/12214/10932 kHz, 05-07, 1840/1850/1900 UTC**

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

Strange F01 transmissions. Known test frequency cycle, but transmissions started by a second of what sounded like reversals, and featured several interruptions and restarts. Partly unreadable.

**5913/7992/10687 kHz, 26-07, 1710/1720/1730 UTC**

42602 06287 63528 45811 72487 81627 28302 02504 82493 76369  
85642 07672 02106 50617 74436 22505 46158 97848 33620 74486  
90945 69242 42604 53220 22317 57881 61015 02921 66672 97500  
\_\_\_\_\_ 55473 11885 58312 81565 24722 56508 28347  
41154 44247 30042 38925 48890 \_\_\_\_\_ 47338 06473  
52065 41201 78682 40811 30042 38925 48890 58335 87954 54523  
77291 53450 34469 08412 88873 86460 49423 17604 28992 81530  
63159 95699 98392 42708 35516 94940 03028 57883 \_\_\_\_\_  
\_\_\_\_\_ 77251 53450 34445 98392 42708 39516 27876 57029 93278  
20640 81382 56708 15989 73623 32824 33310 29852 66659 63762  
52645 28947 70206 01865 44880 \_\_\_\_\_ 90608 87783  
81180 99064 34531 24736 78310 74994 07665 68266 37517 40033  
84026 36675 66388 87557 82724 61618 78743 39387 51403 49064  
18170 57175 91966 51674 38676 35456 84530 82259 90515 46508  
30524 23275 87418 20251 20910 11205 45258 91340 40411 01918  
\_\_\_\_\_ 45298 46573 07421 44701 24652 58875 60948  
44198 40324 19101 52353 80324 \_\_\_\_\_ 40031 41019  
77291 25891 82918 52508 19101 52353 80324 55140 60964 58609  
63416 65086 60383 90358 26578 58736 96631 05658 43565 97216  
12151 75670 40004 32672 62641 28881 83188 00946 99285 55941  
75082 30400 31533 17356 59499 21515 43893 21189 79364 76988  
\_\_\_\_\_ 99530 99388 66064 17265  
91803 29252 25765 07028 93691 \_\_\_\_\_ 21783 35962  
08784 65162 62978 45027 85878 66058 23533 34141 18519 97888  
11183 30010 61650 10907 55154 04732 11823 55820 06137 72467  
75250 00000 +++++ +++++ +++++

**????/14493/17532 kHz, 01-08/02-08, 0930/0940/0950 UTC**

58823 79193 34068 88535 61184 50105 68832 86706 90476 72257  
75530 87289 65867 96639 59870 47611 92903 20589 31563 06338  
90481 41397 66108 61157 22997 35799 95974 93432 67351 13770  
73362 50761 69587 20085 71735 23386 70334 82067 18309 75391  
05238 26966 74686 16620 07595 17393 07822 26249 70345 78278  
18505 63971 45630 13753 19555 29699 87091 37419 80908 57751  
64542 64429 83784 56447 05685 38832 51123 29045 44561 94594  
46486 36970 81442 73760 58590 91266 83817 50178 13681 83198  
83191 64542 64429 83784 47368 42985 77013 16442 32912 01284  
45139 58885 47468 52065 20589 01571 76639 19506 80081 82257  
55054 81325 09065 87447 86609 87725 90167 63366 42718 73399  
56978 53603 94661 36033 80335 99348 58331 79765 79339 63169  
56883 47012 74249 62251 30717 87114 23463 22058 49508 35237  
11770 86332 05974 99962 82056 44388 96067 83011 27660 61618  
15290 79525 87553 24170 25789 32362 11548 33709 73965 38827  
87702 13230 63239 33282 49135 09830 11688 94075 02403 05396

45829 48221 44663 71140 34052 72272 61787 26921 92959 12827  
24618 91283 15338 75087 25561 33167 55418 52940 22694 61197  
22530 98967 83586 11533 64029 57836 46006 20163 70592 11511  
37719 90634 58555 09715 22549 93113 08995 84082 64896 55736  
68239 69445 29907 34187 39481 80677 61466 70426 20207 18555  
05218 76530 65096 03045 68783 04550 79114 18217 00000 +++++  
+++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

**11141/9192/7363 kHz, 03-07, 1015/1025/1035 UTC.**

44176 52318 60894 43345 60321 66073 29192 22347 05138 51448  
75010 73935 73970 70739 52845 22220 71069 13743 51112 28065  
39484 63596 86697 03335 59247 63038 52069 49177 73584 37738  
69790 06017 93855 81735 41046 16206 18116 18743 12950 37126  
32108 78911 91942 85477 62792 11402 25911 09995 94604 50880  
93643 21151 68173 75456 81737 10138 47245 22764 34640 47496  
17265 83755 70632 54665 47641 70664 07738 56128 30979 27072  
63342 91825 39212 20735 23076 78104 96277 60691 57441 67782  
37140 39043 36764 02836 62983 72803 04596 12521 19082 20004  
21180 70094 94246 16218 08785 63619 21696 02353 54874 09122  
22455 64526 35147 50550 81685 50666 14087 58931 14968 51128  
48876 64991 32696 60050 24446 60578 29367 81916 08710 03991  
71399 82281 94197 72066 47529 06243 18457 13080 30238 28864  
97759 49010 94448 92402 09633 76689 15409 20251 72788 33952  
96367 58564 49165 91338 88587 58099 89747 37746 04624 71082  
03185 41436 28407 21769 58660 81078 25763 80043 46940 24504  
55973 39590 12432 61936 16273 45078 69195 40539 71651 92214  
31097 15298 19412 53548 59276 25308 58074 79848 54139 03443  
34805 17760 68186 82614 03816 87668 20530 79931 73658 08760  
29439 29386 81540 94382 21947 40905 10850 65148 26401 03017  
70027 19493 80891 69513 45486 28924 18962 66094 81919 59464  
64607 11642 31793 12649 19487 57850 56771 11821 85349 47451  
03565 27537 67500 20300 45913 83718 12862 29776 35836 00039  
45991 49565 67834 48089 26809 63340 01461 61593 37239 66246  
70178 85737 24504 19514 29000 79686 62750 83874 06590 59963  
05534 21181 47678 02712 60329 65368 02480 99157 32820 46822  
19309 95415 99745 98000 95520 56301 72456 52126 07793 71561  
44897 64507 80330 19143 62720 44916 40743 76351 29158 55287  
17756 32622 30052 57103 48561 11516 67241 05225 55717 58131  
78447 62898 33795 12767 95071 39957 20808 49029 17948 51140  
05217 20185 63775 21413 71685 91320 84259 87272 56247 48504  
28151 63199 73711 59451 23905 95205 64450 93200 48486 52724  
09660 04121 56757 37127 89052 53043 12517 94091 92319 57528  
03069 48579 00948 33541 71521 15100 91838 37581 12906 16366  
04814 91909 37991 09334 41202 96255 62525 82575 65679 86164  
21438 48295 51538 45304 00129 59166 79245 79122 87559 10528  
50835 14650 00066 95721 46409 69716 56165 54019 09346 05773  
35659 08183 08519 96428 32408 14570 88502 54601 08245 27083  
48547 24837 13147 17816 27269 13800 22447 52514 75992 32812  
03193 47883 37658 33570 37244 70926 91216 39256 13929 80535  
26996 15401 00000 +++++ +++++

**11141/9192/7363 kHz, 04-07, 1015/1025/1035 UTC.**

15733 78853 99289 36536 70618 51248 41494 41673 40125 73892  
25498 04927 70327 50020 84571 57118 78715 32937 92149 36436  
80709 89473 06093 97627 87424 85768 15883 98867 48007 27340  
96838 95071 59820 10646 23910 17369 09833 48617 81990 08911  
54448 20736 42440 88230 10970 80373 91675 39820 50311 29703  
72309 03426 25327 98860 02127 78372 52993 01442 28874 46876  
02147 45930 28017 08920 82254 97569 60335 13250 12648 82083  
99711 88064 83369 50924 88517 54999 41680 01135 14812 40760  
31942 16081 00000 00000 00000 00000 00000 00000 00000 00000



02756 43209 22621 07175 86800 50062 20546 24404 29737 28418  
04624 19507 35957 40600 81619 97084 76386 41648 91402 31780  
52583 50970 08489 41567 06457 72986 61192 20910 66896 94551  
73091 42630 24642 14265 97849 07134 78036 28968 11179 70500  
39336 49831 22232 23760 24894 11107 35507 26090 03612 03727  
30813 67921 53551 06669 86864 19826 42019 40747 65731 57767  
14796 78611 02408 77505 35532 48767 57735 42942 09684 55698  
59607 50582 31753 68485 15212 96055 89569 38738 62204 05034  
19480 81355 74891 93710 27071 17085 00000 +++++ +++++ +++++

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

82908 61925 06173 40313 22872 75911 48459 39567 32020 90457  
64841 35790 49558 12701 36807 05853 71346 89084 70780 49509  
70448 52041 59662 90530 35106 69247 01949 02214 84564 83905  
47173 41980 28533 71639 31056 58955 72528 17878 76697 81943  
87853 63403 18525 17720 48121 17253 40587 48502 49921 30463  
18241 23018 08905 81769 79863 24754 48723 99308 47242 49033  
99023 40635 16872 41115 80060 31819 19284 84352 98643 94595  
66060 11760 11352 40291 19134 56841 78466 59506 70749 78064  
45524 26814 95360 43762 15820 28805 61713 40220 81421 74955  
79968 65933 52436 76478 84194 92061 91270 22586 65109 61253  
62641 82127 65835 19421 95823 43751 55558 62969 62852 71166  
38048 93213 78378 21155 63684 36308 15573 76745 24683 87311  
13537 88804 67770 81143 31372 30032 19165 52056 77062 05299  
67072 37037 89927 43561 38389 39941 97902 28401 92213 44780  
30134 53978 08139 25958 55217 80427 43345 03352 74045 81800  
49991 43014 06778 92813 07726 50367 69494 05125 29351 10875  
52965 54703 05276 97006 24119 00041 19743 33905 61926 79440  
41653 97140 87849 06092 80396 76631 79036 88717 60108 35740  
43169 33556 53253 35019 25306 12968 38340 48232 54224 04606  
70875 82932 35174 46244 23073 61984 81080 07850 21802 07665  
29672 16141 69694 92683 89326 22074 80142 26818 29617 07425  
90705 85162 65341 30694 29566 66889 18808 67375 89087 40950  
46653 64285 83807 90900 30130 92036 64522 40157 91278 70249  
45364 90566 07403 03633 55431 40818 65638 94842 53141 50011  
25025 54239 49321 99045 06004 65579 99507 09280 13728 86880  
33474 11479 93495 76485 61330 69707 72887 51866 05844 91863  
48247 64358 79206 52734 25151 96282 41240 23073 52631 96826  
09703 40430 89963 43028 39294 36020 97283 90968 18448 96867  
57456 18755 94135 02670 06576 64655 79755 23158 35545 12240  
95270 25953 90965 47449 94977 04313 62966 64059 50166 12434  
08390 89303 41157 24734 32093 65990 81812 72917 54760 15730  
93159 55588 01620 34760 80644 20925 91454 38630 72563 77902  
17640 08629 67965 75777 59036 75144 54801 95488 10429 94328  
48136 57165 28460 63122 64374 15427 37726 30195 92171 32456  
59948 90432 57336 97398 04557 37722 61770 42249 22334 28371  
26320 29106 09848 52711 50860 83623 50075 95518 73173 59831  
98331 45527 45300 38673 06347 77572 58092 95712 22673 15680  
22071 94134 52619 98602 39735 00491 65084 88657 28017 14915  
53449 80149 90200 09555 77450 54408 16297 27471 11911 46545  
12858 62260 71290 35627 17407 30874 53244 42776 50065 47698  
81833 53761 22952 96255 44238 97886 11544 52374 16255 87270  
69111 95564 81685 15779 92590 97211 12886 16549 83532 75449  
26893 13323 24308 54231 40743 50894 73974 91935 36726 63506  
72039 70166 37292 18433 00000 +++++ +++++ +++++

**11141/9192/7363 kHz, 06-07, 1015/1025/1035 UTC.**

35688 77273 57252 53532 97839 80362 64449 22022 93589 34209  
38335 23074 21493 67665 16782 60830 30171 64838 33046 13774  
84496 82465 04672 28082 90416 00713 12837 14880 46767 92831  
65787 35420 32906 63190 26925 33143 98877 44315 54537 08212  
00903 03050 90305 10479 22080 79119 99228 51757 35170 69841

91750 66767 28265 59337 96242 46125 44333 99919 34228 49206  
86930 54107 48482 21969 39489 28895 54667 24623 48938 92965  
77655 28429 70717 32493 57041 80288 90147 22104 76144 69428  
55735 82124 66000 26352 22494 81460 44306 17557 10381 41525  
15195 07294 30985 08737 11639 32201 49655 19097 00000 00000

63155 94866 81643 34644 41641 98641 30603 24557 74893 10824  
92853 85992 19211 84256 60540 48405 27742 71639 15966 92125  
83380 36736 95755 97436 04699 82208 32832 18787 56109 23163  
14728 84157 70245 74628 97160 78473 87961 51124 59672 28047  
18048 83342 04957 83910 53702 76419 83769 22370 80772 43380  
31417 67735 48911 20586 94382 10127 73418 79474 78873 95327  
92812 61887 18769 90404 35042 53026 27478 93850 42425 49365  
54260 27803 90724 87170 20737 82869 93260 83837 47513 52780  
86295 87752 60055 08473 02939 88700 71949 20087 00000 +++++  
+++++ +++++

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

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

**11141/9192/7363 kHz, 10-07, 1015/1025/1035 UTC**

76471 29310 27637 83712 51807 12624 96854 24937 27493 44749  
33794 62140 72648 58975 50393 37968 54152 95337 55113 69443  
36380 49007 39270 53852 96110 39351 17567 75080 79682 67971  
65756 12539 83436 68770 56137 21023 49152 57829 77265 30524  
91841 51308 25348 20875 82314 97333 51184 30676 89615 07048  
54094 82649 66849 26155 49630 07050 38724 39372 55191 06223  
46392 03619 20367 84114 10278 83824 55240 21475 54618 10955  
59751 82070 25014 85470 43097 60986 91680 90460 45203 19127  
21902 77679 52067 83222 75154 52014 72903 19111 76855 68493  
75670 92115 25773 99416 69823 58604 34788 24548 37245 23634  
92060 41384 89139 58507 72645 46334 77310 15693 61504 45245  
87942 37497 83056 64971 94979 35779 30716 41134 82201 54339  
76342 04419 57362 23795 48276 22444 79812 98547 98170 63318  
93878 57679 45264 09095 47512 60341 61009 97232 59094 92301  
44285 15002 44862 66553 85225 23623 44360 35458 05173 65721  
41028 61993 87037 75713 83554 70359 85180 28537 91690 38252  
67827 46663 96166 06655 58767 89599 63771 05801 36549 32942  
02128 79181 32626 21678 68725 49218 83965 52167 08732 32017  
03611 10215 90174 64409 28341 92334 77448 50236 83357 82702  
42134 92010 58116 78383 76743 65939 49554 26009 02278 59206  
16088 16571 81361 36415 44308 03789 55486 48861 18012 66607  
07445 64385 84388 96203 84658 19779 99969 30024 31485 50020  
70790 58222 19776 11831 03563 24985 10674 30292 14210 49009  
20013 91779 19018 41569 68000 50350 21304 60356 50580 35762  
65647 51632 08824 58693 71775 28037 09445 79819 82715 52937  
40464 20847 99470 17339 95140 60651 46932 73002 10741 71974  
12005 97947 37091 71887 92090 64291 22829 64640 58496 40692  
10385 98660 14739 48184 27845 29209 58907 27436 40421 29706  
95651 42221 76139 23069 46836 64955 42236 22804 99333 08555  
39888 92289 26003 17730 99851 16434 63504 35836 14995 93305  
34408 26565 82549 99787 75822 83608 89088 50359 28926 14477  
08458 50102 72457 26242 35847 79934 71141 65189 30307 57138  
96594 55117 93883 22488 84484 51253 55608 87255 20731 68829  
77920 84240 15512 92193 26883 69860 15993 21069 02568 90476  
03474 42760 77023 90611 74207 03490 80043 46982 94463 60509  
47784 97768 30509 52642 97038 96065 11745 46850 56155 67224  
73802 51245 31121 44796 45081 67581 05485 46021 66605 08182  
36671 58935 93389 30670 61518 91441 87205 77073 42204 66187  
38564 97876 49391 10823 53092 94439 01183 81582 87763 72615  
06516 31219 98889 92923 02959 81730 05808 02778 81361 82415  
29216 65511 41429 21403 00000 +++++ +++++ +++++

**11141/9192/7363 kHz, 11-07, 1015/1025/1035 UTC.**

65444 04320 39753 90611 15298 18932 01624 69076 39637 54615  
80892 37408 22134 78216 38808 55991 19710 17159 74967 11520  
07004 08499 24634 68555 48297 51910 01384 06653 38937 91872  
60315 69738 87743 83569 76727 71543 81544 33097 08222 67728  
61862 81158 41771 15012 29626 46148 16351 35375 24856 06434  
53477 60934 69120 55746 32589 44939 34729 67622 88485 99053  
35756 75292 45374 04163 73843 52589 96862 73870 92467 19556  
02150 70680 81631 34888 25686 78930 01780 05174 61681 88127  
74403 22081 00000 00000 00000 00000 00000 00000 00000 00000

61619 19102 57830 37235 05549 45658 76302 33073 57997 34859  
78164 87049 70334 75303 86309 86862 83030 92376 65307 18614  
24125 53763 74864 29232 63175 67786 75800 27174 01828 95215  
82291 47321 86265 92000 38748 21028 82729 46505 28687 76443  
81951 30030 17777 05321 95667 94598 46665 82448 75750 06254  
28717 68555 60255 78998 76430 46933 23726 14009 78699 73437  
27715 56495 13585 75327 09226 87913 69920 07670 33766 61447  
77396 09674 05214 27661 62850 15885 73684 75398 85485 23079  
00000 +++++ +++++ +++++

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

70622 97613 17814 36876 64197 89591 44805 74888 17025 78169  
38032 65868 85028 16781 04850 41420 23652 27747 15297 00003  
06131 06716 97273 42399 09080 48731 42936 57697 75091 54429  
52786 71446 26359 48174 05198 67197 60651 35164 80735 73911  
91023 07086 70870 19947 37236 93477 74738 44624 30228 89222  
91189 51290 67334 24673 31290 60533 84444 38116 01913 40770  
49512 52329 05213 85883 11067 27933 27005 23542 81690 80800  
52288 12159 87030 70197 22590 89735 70084 01496 67378 06433  
59217 38547 03151 23540 24592 80333 17164 30634 02872 56163  
57213 41372 16762 03697 71048 92028 11548 89511 21091 37741  
77164 31569 80340 70488 99980 18895 80200 36904 34522 00228  
75905 63080 18535 11557 70687 45899 91060 12052 12679 42829  
82448 77343 48955 20008 63406 28818 14915 16840 38867 07926  
77669 79255 69851 33881 78666 83509 24577 79215 14272 10231  
48690 93121 99945 36111 20477 91827 60217 04670 15329 21408  
26561 36538 07142 89403 58307 87925 85870 31047 64302 28956  
07950 81934 97863 71329 39280 47440 21359 02396 25781 17018  
73736 83798 58115 39789 57065 49018 13366 44966 54863 69064  
82986 33430 97347 58510 73469 43877 84838 68944 02644 74712  
45493 28388 80050 43515 12127 11916 00852 65088 99827 67970  
27222 86917 74795 33694 61654 96782 76356 84350 03436 47061  
99287 04422 97013 07917 89072 60640 56403 78320 52964 83760  
38091 72264 56302 82373 46162 84753 38443 77919 92312 94563  
55009 27791 29993 30557 03081 19008 61375 22939 02845 07349  
31523 38101 46534 92377 51337 60730 46878 52207 44616 08242  
62527 47301 48484 74791 17633 68187 04395 04150 69301 42779  
30403 95750 34832 66866 46445 51926 63928 09916 79638 33257  
64224 08936 09479 40386 23450 51402 14741 59824 93060 93401  
56663 07392 78914 85194 40103 96664 99003 95683 39565 74180  
55751 73073 07160 01135 96677 65872 55756 64575 56131 92551  
36920 60475 54579 52872 17219 88334 39511 45440 20394 05552  
63157 54693 84538 59965 79508 60147 26303 42156 38827 38642  
03688 64118 95514 80559 05309 27087 84007 20614 69484 59991  
38232 43910 85616 94893 11802 62392 74936 69319 32280 82775  
30834 01277 03639 41113 46649 50546 53475 45809 06774 07477  
72397 02462 09696 05726 28034 40096 01548 79220 50457 60973  
52112 97942 76843 08433 88719 50490 89528 73510 56311 24461  
63201 92270 67346 99056 54333 42425 77375 33253 55762 39557  
51711 69070 75056 68183 66935 98364 38100 95780 77405 50201  
67136 21539 87989 19600 61204 76873 84430 80463 22021 02080  
71267 01829 40148 91969 35195 02607 24116 00520 16355 67736

06218 69228 27054 24413 00000 +++++ +++++

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

44330 04102 59227 61144 51913 85317 43430 80883 84758 22923  
11543 87787 80568 56386 90663 41155 29861 83385 69652 62595  
02280 35122 94430 06311 66753 20870 09485 60332 66445 46449  
68991 95905 34413 36316 66009 07206 60946 13952 53176 08575  
48482 20243 53349 81458 15076 74529 83621 88248 32326 08026  
41155 95199 08722 24289 24267 71614 54333 66419 87214 57493  
87788 95697 52095 16823 71473 11327 26326 18695 85887 65978  
99121 25071 00000 00000 00000 00000 00000 00000 00000 00000

97300 26162 17483 01757 49487 85018 97379 09299 27402 75104  
47934 50490 14422 10356 99054 51023 94750 65470 67666 87680  
88125 93213 62976 08427 19002 14082 53556 61571 31148 33022  
69684 01206 83583 62886 39369 61107 88809 59316 81512 14269  
79254 96734 04629 60277 12885 40142 84578 07703 53909 92400  
19735 43695 89525 21697 87031 07982 68631 98859 47329 13437  
73448 99236 73535 80429 59999 48807 99912 77124 28358 19217  
16019 82928 08640 01433 53714 17268 73630 12693 40665 00885  
14034 16447 18805 41843 37239 59971 51152 63431 75571 59351  
65468 16136 14941 86506 08148 40899 79854 37964 06817 75821  
35699 90048 65049 23518 94254 70192 37657 26107 00000 +++++  
+++++ +++++

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

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

**11141/9192/7363 kHz, 17-07, 1015/1025/1035 UTC.**

09345 08944 39058 28145 00775 33350 63315 06795 62282 95640  
17139 56137 38246 69746 81133 42321 15506 27551 39252 66740  
56524 79924 47694 50799 35050 01459 57850 41616 11912 49918  
07675 14695 10406 81709 20770 98518 78840 29170 69139 30699  
60376 87359 60771 92630 00495 27748 21788 07001 32030 83321  
65311 13987 08239 27902 14845 83991 08744 50259 36946 34224  
57902 60480 15172 54348 81157 43102 73093 74966 44475 17258  
73455 95812 14142 01373 61251 89455 16653 51818 69271 50099  
70239 33866 31324 47151 40925 59750 95371 98784 57417 32061  
69350 77155 73293 94084 88865 99270 51602 03099 19798 40616  
75207 95317 62098 81361 68975 40324 71330 61142 58932 70624  
77995 12548 32217 16062 32404 93192 72987 82645 65513 46827  
60998 52638 01681 69618 29641 81515 68059 13852 70036 47368  
03519 63779 87532 71368 50462 57700 85523 45081 72708 21808  
94775 35289 71941 08575 64321 65726 38482 00469 92413 28192  
39204 25796 11992 08773 91523 08972 53442 62316 79347 17268  
62382 65086 73301 73369 98154 27530 86272 41895 29454 70234  
14440 95072 22561 02977 22964 22167 90791 30203 28310 01652  
16283 74814 21105 79026 16491 50960 66132 77002 89082 09238  
52886 87188 55010 27834 77759 01281 42696 34159 66409 69892  
32065 25981 80437 85167 67290 47943 26432 13473 23280 48870  
40912 78791 26639 16109 56297 35572 75848 13244 95156 56855  
31289 47364 01645 12196 49037 83613 85105 38403 86150 83741  
70122 26748 80057 23578 81601 46708 42957 65178 69000 87256  
85125 06505 28019 44199 35953 51318 66593 71674 42735 86409  
38165 02345 30836 95570 96060 73367 14586 11297 68962 22148  
35784 40679 52370 54574 92607 60098 57471 82973 05284 56026  
49694 30991 14161 09033 23896 67695 99217 22397 70062 39150  
53176 43725 37512 13079 00996 67024 07977 88997 43837 57270  
46784 45235 97365 24578 33824 95506 17225 04513 91877 47215  
75817 39999 18358 02835 68296 53005 17093 33924 36480 99313  
75402 63084 91846 37524 63230 03715 72411 48807 00443 74530  
19695 71782 16518 38914 54027 40827 14395 31266 80769 53602  
74512 78359 00911 69127 24931 88772 37586 21883 47536 71795

82705 99389 84496 65313 59290 46259 98249 89949 88680 11094  
27889 86269 66847 10814 95777 71961 41002 55916 94552 42282  
01582 85892 07871 96752 62096 20025 40174 66416 90167 16780  
00350 24432 67193 74259 44688 55471 20169 48166 29632 45634  
91966 85654 77747 00612 97935 21358 55759 63953 28148 17200  
16071 05603 92238 13940 72707 02525 05965 46376 96253 95466  
43448 82010 65904 65310 59063 84168 90681 79761 88910 55517  
18495 45940 24599 76626 48878 21121 39870 80153 49048 57872  
56521 08261 13653 97906 17066 11186 89012 27427 00000 +++++  
+++++ +++++

**11141/9192/7363 kHz, 18-07, 1015/1025/1035 UTC.**

01082 23234 28920 40471 81437 65342 20295 97510 47450 99375  
09823 39513 17074 84518 15468 41529 66710 83511 29629 33984  
65649 03619 67692 64194 77402 72052 88947 19703 70130 56826  
44560 86866 03322 68935 32268 43132 82943 06845 62522 06449  
02229 29178 65728 90240 10301 66581 95288 37382 75811 08680  
06142 31622 37793 27071 13471 09881 60896 20285 61273 23865  
37222 91662 55487 24434 01909 96078 41355 67165 54689 16444  
29708 62539 04584 55944 01869 19197 79928 56923 47854 53698  
70925 82373 17563 65226 96894 20959 89645 98661 15423 01512  
87728 28091 00000 00000 00000 00000 00000 00000 00000 00000

06070 81427 52755 82134 17842 91051 08507 68066 28598 76380  
23279 34419 82098 48973 93610 32617 54101 55752 69826 67759  
12558 23755 98500 04742 16972 00672 43947 69392 92856 70883  
87129 36827 42229 51673 25467 24190 76070 99294 21944 29975  
79705 79598 76982 87124 47020 82893 21500 22080 44473 87737  
54601 36977 90824 03333 74330 57174 63526 45234 74934 11301  
67707 24033 09062 36009 28705 51729 38342 22629 94050 95456  
20783 47893 55883 33264 08421 55939 29698 91633 53659 83772  
50391 69423 47746 47362 71513 77929 39803 30577 78699 51738  
09871 44142 53181 10077 94389 46795 46346 73331 87560 45848  
51263 64439 67022 29103 00000 +++++ +++++

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

56631 28772 28897 34446 66737 33369 68554 80175 90289 01161  
61946 98061 75338 94600 79015 44681 20389 57820 48253 38766  
72282 87441 95442 80876 57660 11754 64284 76614 31335 39265  
62163 46741 14045 74568 28137 96537 55520 27805 51540 48959  
14438 55262 11007 06500 91860 72706 44555 38252 75239 74556  
13726 23606 18518 96196 84345 67205 96345 86336 40767 67018  
96742 31204 12795 93943 74901 18105 97148 93250 96607 44970  
73570 56441 94921 30801 35504 75192 32047 00083 59071 06831  
67191 24084 57473 95462 17005 89075 87028 52151 92245 77731  
44686 53837 93835 83923 11674 30090 25895 13524 97984 47119  
40652 44123 70831 07593 93861 80115 83284 78163 77223 19879  
91584 12888 95749 08273 32456 31879 38867 31196 65765 59003  
99329 90912 49579 62292 91445 93262 05736 56695 93173 46840  
53621 40483 47536 11193 72450 73784 95611 62176 68097 37836  
41562 66767 69041 48241 47060 79832 22203 65903 13551 62167  
55312 96396 32344 04468 52312 88627 54859 86686 99958 16883  
32769 34135 89772 71585 89168 16730 89425 57800 02224 86445  
67683 60342 92396 67145 72155 77884 34258 19318 71901 53780  
00402 70541 72610 65333 93980 54655 83672 79249 87497 04241  
78948 77438 60113 12770 11146 11609 11326 45869 79740 82813  
13576 93341 53427 80412 24687 66848 75749 54878 52353 76172  
79335 61067 34005 17257 11414 50627 10630 96415 10312 46586  
37657 41819 06322 16563 52368 23021 55538 96893 54840 43200  
52214 27463 07078 24231 57261 77427 17766 22500 03684 73838  
16958 04073 50605 50038 26250 62480 04830 16800 07904 21897  
35964 75616 17589 33532 63141 50539 31716 24168 61680 36664  
30463 69836 18809 87603 65324 54397 92333 51536 77296 45155

01907 94572 07398 77682 90083 66218 29667 02852 80369 73006  
71748 41500 29768 34221 23914 92997 04278 79687 33797 84094  
58316 09019 14770 82324 57321 32742 72536 69006 16402 00816  
68549 51757 05633 41672 31798 52908 01860 78185 75828 23331  
12299 73442 72683 12687 45545 54202 55742 51828 53970 25962  
15869 84556 28562 94804 98620 89087 19886 62819 15472 05117  
54830 78402 50937 90805 60322 76698 29277 41527 48262 54968  
18157 37484 85442 47956 18500 69401 30427 03968 77667 02129  
15187 09025 28484 66797 65965 05112 21614 02837 70914 32359  
88295 85403 79005 26574 80584 71970 82716 56492 02447 65314  
31763 35367 04421 64056 28016 93730 77535 87429 39153 21125  
81035 48990 29496 80662 23701 44622 53516 95904 12216 11398  
06761 57869 07070 83144 92179 52257 70181 47072 30836 60236  
91331 11755 06881 04905 19724 24662 69494 39165 56938 80657  
21000 70228 07097 71155 52930 33464 02497 30417 00000 +++++

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

87187 51093 93077 54343 64911 82742 31820 08094 57780 40425  
27747 82242 39848 36512 23294 43148 82657 74277 71453 12290  
90705 37178 17540 65808 40271 65259 61926 50591 77880 31630  
96120 26163 08395 92605 64543 37130 77723 83778 82565 26157  
84544 61545 70641 83848 91825 56337 84954 12272 09679 97888  
53539 53741 81858 41672 86340 88738 21719 06158 91773 02098  
36077 43847 05720 08023 53390 71443 56923 58701 29688 50768  
95166 74846 16668 53268 23860 22533 63374 30354 85654 99159  
01061 62739 61765 81227 00313 98148 50366 76347 82331 10542  
61482 31091 00000 00000 00000 00000 00000 00000 00000 00000

11398 36837 19310 40982 14765 23470 87145 48867 65456 34257  
40504 09870 01393 61986 29568 92962 27909 38698 08101 56768  
39938 26946 78637 27265 32370 09552 63948 94646 63439 20774  
66993 55395 72636 06824 44914 35204 71160 13805 36963 71475  
18256 16172 73192 87453 99816 68435 57265 03267 35788 44768  
61171 34096 17629 13237 88646 39100 99807 23573 63397 34521  
74883 89790 83227 24899 85844 68720 41201 22031 45785 12562  
63866 21661 67847 34804 26291 81798 15338 99574 63226 82709  
31699 59422 53086 03439 97014 92138 60373 04758 55482 19770  
13613 65494 38123 89221 85039 85134 19906 32097 00000 +++++  
+++++

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

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

**11141/9192/7363 kHz, 24-07, 1015/1025/1035 UTC.**

65688 77324 05387 56549 98874 29318 31894 02928 05728 67185  
83265 90170 94949 83721 44935 27754 00431 55879 14148 39281  
02074 67617 07937 71115 12723 63309 23927 65176 85898 05162  
21171 31835 24018 33069 13181 83843 91792 50351 90360 17237  
64490 83806 14017 50144 65742 91514 49141 55451 74599 16840  
28149 48242 06500 12054 62766 13971 97862 80029 46241 88285  
48977 07439 13078 24455 04878 87890 48486 09332 78901 58447  
64708 13783 48599 97961 86447 88533 78708 60659 12548 41360  
50856 43423 46143 56563 04694 10198 10450 42671 20134 21964  
92381 19296 95407 45719 81196 79088 00590 40896 94344 85735  
11310 46660 07709 93920 52329 18527 32430 02201 05661 87726  
05505 74724 62931 41770 86331 92746 26673 49634 76412 21852  
90220 80018 04377 05851 50913 86105 43532 23262 36288 55259  
54115 67339 47943 47107 67444 35569 52769 68438 54149 39570  
76225 58347 43672 71353 77364 82082 87226 86858 10269 57011  
81394 92712 01614 59162 94568 47157 99023 83759 63401 11065  
69918 58212 51465 09992 55536 30968 87310 93207 09818 84695  
24103 00632 77843 47217 88026 73618 93507 98624 07653 70527  
01122 98039 41448 73013 30621 78424 45611 93984 81085 82909

49436 23149 92241 41052 30379 71100 08638 08483 06018 97877  
66187 18362 85100 36934 55764 18093 44852 50451 43528 89726  
26751 76943 52686 77491 67938 57079 36360 70899 10470 48665  
96256 16842 55578 66729 26829 59137 55149 09638 89607 28956  
57586 57185 47404 34560 50265 51589 13053 23795 65750 97347  
92403 17776 43970 40862 26231 39204 67543 15795 60763 83743  
12425 65091 01507 07909 81083 75582 30064 31889 10383 86140  
88620 80755 71348 55297 61804 12478 03032 99274 10586 06205  
47630 36367 37923 09227 79073 98596 90833 66073 42250 96610  
28573 78173 45065 48720 11619 67523 70520 10047 91144 42792  
01001 62703 03663 91309 71951 52944 00539 45365 97147 86227  
67051 96268 32718 16128 10691 54594 72137 88027 23388 80059  
89363 23537 47346 29470 72296 56571 99188 96161 13768 57025  
32079 39393 52233 02987 40530 27110 79354 87417 37568 40533  
56673 70247 58951 13992 08549 11815 74122 08455 83550 48595  
08598 42188 01498 97147 07452 26978 28335 97225 94622 83363  
46020 29982 07690 33299 09625 72214 12836 93711 08826 72574  
29669 19357 75981 60697 20600 68446 07973 25173 24446 89449  
94011 21303 38979 52542 66579 94578 82070 74102 17709 30827  
86141 07728 47782 68944 05611 00184 39034 37168 42002 35730  
70952 98829 16429 17274 19756 18503 44123 57762 09152 84510  
90701 80281 04536 48716 14864 50270 67848 69529 27196 88310  
15259 69083 19779 36920 44871 40500 46289 79779 26629 33419  
00000 +++++ +++++

**11141/9192/7363 kHz, 25-07, 1015/1025/1035 UTC.**

33460 07449 27839 51441 14562 50603 38101 31833 78374 29694  
27728 94848 71865 32502 49005 83516 22106 50432 03356 62317  
38934 07944 39167 38740 60246 27278 98858 13982 04609 71258  
52175 82562 59817 85850 06152 55505 00399 54250 64643 60393  
68728 74295 57671 57022 19272 38220 12486 12330 87931 66748  
73852 96688 17872 90441 28010 85108 16029 85968 60006 00032  
66038 04407 76571 92926 10126 53146 84274 36999 14764 43985  
27862 51379 50115 84568 43929 14408 05100 38671 41077 24158  
24850 68059 85692 34083 00000 00000 00000 00000 00000 00000

34132 82751 79573 61746 13447 15368 96030 23751 69255 39136  
28904 74493 68108 06269 91421 82864 79709 75998 08868 18327  
59360 88686 76850 04449 78626 18379 29534 00801 68847 35777  
09591 45133 24372 67294 73283 40149 14819 99825 91266 88182  
76070 10301 95368 42003 19315 99558 38356 97949 20605 73608  
72238 43120 09737 10711 88464 43822 89999 76830 24443 76638  
34215 26554 49754 13185 09267 22058 78177 19745 76609 10691  
23781 94199 64352 08418 77408 35075 00000 +++++

**11141/9192/7363 kHz, 26-07, 1015/1025/1035 UTC. Partly unreadable**

86090 13648 41827 15196 84485 42391 63760 16847 15748 39011  
95648 33339 00934 35370 16261 43777 90983 19094 47195 37097  
71828 24477 29418 09712 62653 37240 46808 47963 77434 48095  
89316 44899 09955 74210 95514 45297 15370 43543 77011 18968  
80903 85342 44847 64025 87682 67356 89673 61784 94023 34866  
41199 71346 36780 02026 93966 71473 48387 69398 04798 21180  
85745 16919 78345 58308 98195 89601 59000 55390 71743 86566  
09987 02029 65869 50855 42311 23528 68379 64664 14390 42866  
63954 68419 51400 86573 02440 25468 49895 42297 01046 96012  
06892 95785 08380 33454 03437 90151 68340 15463 62767 07707  
11270 68679 77263 77833 54086 21059 81160 55745 67853 57969  
91122 42006 67556 51387 15792 72194 59624 25577 24155 42873  
47629 62536 55918 14000 72286 32892 39276 75143 77763 02890  
26526 49220 79116 77201 99200 92444 11261 24452 25964 24419  
28862 80468 58594 78096 61295 39135 25329 37122 63216 54196  
04118 67204 58660 20453 70949 16752 18903 61765 44174 07840  
43117 89386 82197 81585 90245 17656 23428 81194 21533 87086

00035 07349 25034 91270 48261 89607 05051 24511 41830 21927  
13582 61661 34569 06547 91822 65056 59378 44039 82323 82349  
54665 60826 41257 74246 92302 12171 01512 84589 86634 26615  
25090 28599 63410 33957 30985 91276 61088 81430 38208 15369  
88944 31742 72943 77180 54356 87911 64370 15944 15571 34727  
54309 26255 61544 99772 39039 94556 98724 18936 25120 02262  
55767 89676 14719 94844 36619 07493 94010 80771 44550 44004  
78413 26818 30236 20607 51759 36632 11763 58338 09505 94280  
45325 25592 92698 60427 43176 \_\_\_\_\_ 24303 27792  
44968 34362 78046 36941 67599 35205 53329 \_\_\_\_\_  
\_\_\_\_\_ 38521 98498 72611 40014  
65982 71706 37337 36727 45762 82751 33126 11160 74409 53131  
50749 19870 71987 25581 04716 85140 61137 32040 57706 45671  
61869 21871 02805 52686 08915 60598 80169 95059 78489 07568  
56562 79906 20377 46620 68855 \_\_\_\_\_  
\_\_\_\_\_ 41332 39628 10260 \_\_\_\_\_  
26075 26180 30331 07245 86429 51480 03859 74941 96558 \_\_\_\_\_  
\_\_\_\_\_ 01552 61309  
27504 97396 78221 09022 85923 30985 63553 34751 07142 16305  
82098 49233 50004 22505 75451 47152 26341 30322 94375 12640  
03318 20665 \_\_\_\_\_  
\_\_\_\_\_ 90297 69552 81038 25961 23081 13104  
53691 21283 80787 59480 22372 25472 10709 03071 42542 47084  
88603 11859 \_\_\_\_\_  
\_\_\_\_\_ 71667 65624 22035 \_\_\_\_\_  
22973 64210 00000 +++++ +++++ +++++

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

69129 63259 77120 07390 63735 06026 35738 67549 78797 92195  
69821 31465 79100 03222 64431 59644 74887 24499 93622 57327  
45082 19671 57233 51459 90237 06122 42828 34386 96643 63805  
42365 48473 14365 72666 98784 45321 19845 36470 85064 89542  
35525 37202 27655 83476 93189 38628 21928 08769 91218 99305  
51285 08741 52330 18652 16573 92592 83720 11126 90218 59740  
69098 75599 93675 69729 36460 31661 75030 98487 39006 87677  
69512 61857 74148 66800 70097 15499 59527 13198 18881 30651  
32246 32022 18143 76975 87165 26769 08222 65885 70807 23335  
33916 25872 58630 37093 00000 00000 00000 00000 00000 00000

83031 43280 61577 25601 74791 58726 30975 98222 11914 12581  
20808 45925 16531 17757 86328 69517 80879 25246 08195 79944  
50012 73614 39953 16197 34006 16206 03303 13478 61951 95939  
18595 73139 60408 84440 32608 19606 17347 79667 05777 60733  
66777 45018 12810 11853 47151 30092 87996 54065 77940 05566  
71434 00029 69726 31099 86940 71786 47391 19999 99177 73554  
90577 64950 43197 91314 05762 35741 31934 12999 23151 68084  
44484 06280 79567 62822 27682 07203 26906 83292 03392 69899  
99530 50077 17765 06883 02243 33680 40764 11057 19572 38089  
00000 +++++

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

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

**11141/9192/7363 kHz, 31-07, 1015/1025/1035 UTC.**

38603 23536 87869 17286 75088 02687 83550 76851 86445 65696  
22577 56237 26413 89628 07145 25767 18371 25147 34391 65251  
06945 98289 24030 95885 86272 95543 62483 94674 40869 11914  
61956 83563 60021 66662 57895 10460 11660 16414 93256 64339  
86640 20307 63032 91624 49374 36892 17468 06017 55739 57448  
47406 08969 24217 05416 00200 63003 71190 56629 99625 85030  
46337 60040 68246 51895 29059 63610 75639 35297 71886 75079  
60958 08313 01786 12268 03231 90668 15324 22634 37860 24988  
28612 76743 42754 01167 67971 65361 42513 71097 12264 54841



04132 20897 22815 80501 22635 92852 21877 82678 20096 74258  
05562 15147 06470 95332 02182 80581 75679 03406 11946 72769  
35399 05569 88930 30237 93956 96959 51281 30994 52814 16886  
30574 83085 78040 99966 96266 90618 49233 14482 16196 99976  
09318 05114 39040 55890 63663 82270 09692 22062 01948 25185  
53485 46028 41224 90960 90196 72945 13602 46773 63782 37996  
47010 67395 98764 92082 12453 65245 19220 40527 36211 45140  
91301 99428 00422 00947 75239 99397 80476 96313 97741 91334  
92669 96667 80749 33948 50537 44677 87477 67699 53335 96349  
71674 04860 55067 59970 41044 90366 87531 05051 70763 13174  
35802 33496 28040 72770 89587 30154 93639 30569 18910 34957  
91317 00840 47538 03828 61110 60885 22606 50542 37402 85141  
03868 86739 17718 32891 21017 02261 33179 44280 72503 53013  
56549 24316 64303 48531 08822 19550 12056 56443 50282 17117  
55025 66012 66970 20828 55311 77952 88499 84002 80755 12696  
98159 03725 94973 54308 21237 06211 02953 72236 02503 77983  
25658 88075 08792 22528 02075 79540 17619 47128 42132 38835  
77773 09565 78945 27602 52813 79362 93808 95641 83414 93279  
12377 55588 29505 09717 95486 30732 78117 91747 73030 18174  
27909 73445 94344 34493 86267 89192 93535 36131 39966 70679  
93182 31664 85280 41252 94859 28161 28521 62321 29913 78805  
92911 11506 68923 23982 92752 97196 13306 43002 60808 39247  
17468 58665 39854 70448 14978 61834 74316 38507 47171 48222  
62960 13188 17636 84576 58533 28327 21016 46436 25332 13394  
19569 94667 90612 94284 65909 82953 50782 68058 95391 13421  
18321 81264 36546 82614 20356 66588 13033 84978 84840 17480  
35527 66045 75261 05453 06984 42529 59824 69753 89727 31488  
26047 34079 07784 55767 76700 30033 82913 17890 68035 32005  
27766 59601 76228 33168 44608 49238 02999 17273 03050 64119  
56303 05934 95212 60146 67090 86084 91781 45794 28008 47305  
47367 02690 65027 83692 28627 19951 77920 39977 63574 34493  
10513 06554 35515 94471 36668 93139 70060 88063 72923 35723  
88628 39411 00000 +++++

F06 – FSK 200/1000

**15610/14379/13389 kHz, 28-07, 1900/1915/1930 UTC**

Possibly F06a.

Link 00000

**9923/7369 kHz, 03-07/04-07, 0800/0810 UTC**

11100 00000 14392 30094 04099  
08852 23817 77931 84884 03272 10038 21062 97034 96617 95431  
85819 29038 10530 97913 35069 05574 48370 98028 91877 30312  
93298 70433 63861 60737 49465 70188 50220 44939 08296 54824  
47306 29948 97687 97522 31812 99789 00091 07559 13527 54349  
93789 99266 80010 75992 15790 55233 70056 30335 51064 99808  
51532 35064 88844 43747 41298 16559 75334 93447 56571 14446  
81460 28677 74349 69589 66639 90887 90343 67687 72853 86081  
85655 19794 33448 62687 14278 61538 95647 44891 93399 84136  
28088 43300 36160 18822 87375 57450 62412 09365 43501 70974  
77945 22748 35233 69732 17100 30042 37029 16244 03655 46336  
81315 17247 53548 33194 39929 67017 07118 40184 30011 39194  
92909 95912 69847 34208 12319 87451 83421 69597 46306 89978  
61730 79887 75035 66661 01961 65665 20201 53588 18684 89340  
09394 69223 85409 86765 20543 94433 76389 79491 56240 90087  
52843 78060 91674 24941 25928 01078 91483 66670 74113 81454  
84681 79960 37130 34523 19425 41913 89684 05374 96985 74887  
83458 63512 84452 90075 67812 00735 81096 01364 32123 29849  
64853 05816 92765 83901 60828 34980 01180 40813 64578 54603  
12833 80486 59241 86309 96858 41140 78866 54382 53301 20773  
22856 47517 55693 16988 55335 21375 87636 96663 63940 03211

56717 96660 49907 81167 98749 88056 56186 01631 56574 82639  
60030 22168 65294 92723 15884 93263 83813 82981 57408 05102  
10563 26995 39228 46050 53901 80523 09386 77276 69826 42741  
90980 90821 42384 15739 39722 41223 23325 00569 92224 19155  
01387 75625 36909 92815 65607 80665 70557 78637 66903 53213  
29435 27350 47117 91196 98061 02638 78790 60137 48330 06722  
09034 11215 31048 44039 22084 40715 62703 88738 07323 69220  
25523 06430 14786 90214 04662 45932 63014 25436 21368 14306  
38860 37254 77515 29835 23110 20987 77131 95778 75157 10082  
04234 03668 41054 14554 52242 12266 51442 12163 98175 39814  
34585 42620 60984 16940 33813 16024 69493 95002 28834 69890  
68636 23877 23327 40222 83333 03571 80141 67458 81749 64723  
14158 12361 76791 47811 18460 31022 57275 80965 60049 96534  
00419 50462 47993 87253 55164 38843 71887 27225 99789 93224  
85642 81628 55113 45449 53385 79082 95447 83666 42851 05544  
37693 37847 78867 63602 18051 21241 08988 59626 96225 94715  
14671 50622 23178 93928 62056 82326 28744 53505 84356 48115  
02412 85124 48701 00907 62873 86540 18381 60250 23649 93117  
81328 19413 48884 40588 99187 63074 94494 40831 93021 31498  
32570 91263 02383 47023 10601 88549 91610 52617 28974 40572  
61343 77505 64196 39070 22201 87471 94569 94407 00000

**9923/7369 kHz, 10-07/11-07, 0800/0810 UTC**

11100 00000 37801 07095 02899  
81684 33499 12141 85938 71513 14424 96323 64827 43776 87981  
62666 07849 05526 65621 87533 81819 74615 93189 78639 50760  
38129 76168 58272 76127 15721 89623 05672 88755 16660 89451  
04697 47408 25499 25920 20664 83824 81961 76019 44837 70130  
59653 96183 02360 96647 18059 56062 95333 44711 37010 13397  
03520 11549 49666 90498 70603 56176 02088 40183 28749 53594  
05826 76437 29849 33310 03166 24186 27285 34236 40598 19297  
75542 85667 85667 45228 81411 98677 60326 21030 86048 34133  
49351 73257 86896 68912 92403 56642 34611 69018 72352 19659  
53505 85996 86745 03401 40279 04097 19852 81096 29950 64880  
56932 18227 42029 67190 58637 61298 94472 19918 22188 32682  
55323 09249 15963 83119 58122 80557 18293 99750 65531 81011  
29402 98538 48570 76150 52416 99116 35311 05912 23118 42539  
60465 05813 33571 97766 76053 46782 39753 63954 06181 60137  
10720 29585 12984 20769 86350 30482 54800 83823 23158 73546  
94324 74286 55054 28146 09309 20790 10683 56333 83947 33219  
28153 28974 60254 84111 67984 62431 21077 46087 86980 08876  
03168 75686 65749 01006 21407 82264 12008 67618 78486 48615  
54256 95387 39811 24472 22984 09784 46612 57848 88312 61500  
66413 53734 18192 49492 02540 03499 62266 28003 95987 32474  
15697 59825 31958 87265 96380 06248 20914 05638 58949 44612  
84492 94519 58090 13949 74401 10377 63187 60003 83358 36435  
31172 65298 90399 32029 76778 60672 70697 40191 06455 33365  
14483 61939 80071 23647 53219 66249 89130 37229 99400 80486  
47507 01541 66890 61542 69186 27727 58073 36379 04381 22217  
66351 36213 68990 70488 84071 77146 65677 59770 16922 36331  
44297 67267 26975 14715 52808 55659 86395 37655 86329 06424  
31393 98929 69077 99524 33253 96864 66033 48326 99936 92366  
98300 41722 23764 07184 26805 38403 20335 95287 00000

**9923/7369 kHz, 17-07/18-07, 0800/0810 UTC**

11100 00000 83940 14096 02379  
75812 26122 65816 55981 14310 54522 12741 48011 76471 86226  
43065 18134 14807 82854 46487 40590 43354 26509 76573 75762  
77928 34773 01650 29302 70002 61453 64631 29446 78018 99618  
51324 85929 92982 46660 32505 48033 99837 23744 91871 39830  
82623 08290 25602 40487 24091 10046 53438 78939 83808 96429  
78162 98834 13996 73340 13398 76944 34320 38046 43466 42553  
63674 58032 85578 41123 19743 28686 70912 92545 49787 28341

54435 38526 17031 62381 65500 98617 26699 88091 37177 27031  
96518 01923 69964 20550 53210 56597 26086 30703 60339 86854  
97674 84879 96903 91578 23176 19473 85560 55147 08689 50881  
49806 65921 90160 87517 62553 40610 90386 35837 54850 89192  
72415 70980 05499 10619 03514 07001 25464 36878 39941 57175  
07227 21571 67047 04476 03390 93132 93916 05076 54239 99138  
93066 18382 06279 65142 07042 37173 17766 01258 20861 35383  
27664 81175 18554 64143 04233 04837 88213 01725 70917 75805  
25143 15321 17481 51774 56196 55006 56642 88508 03221 88354  
74854 69830 39082 01356 76058 01808 68890 45561 69378 61153  
73035 76202 91040 69437 11934 93695 81333 21064 94918 06423  
64656 27471 59365 74133 38367 65137 22020 33657 61383 45292  
81851 78377 84308 31017 07292 77907 95911 48889 70923 32474  
63950 56417 23011 28481 52531 68353 48963 90618 48840 07423  
69634 62934 04142 80219 22908 64775 00980 12521 34929 83575  
89515 84646 35587 54903 13916 57160 23392 39708 49512 94913  
87145 80783 28440 44475 46357 96235 00000

**9923/7369 kHz, 24-07/25-07, 0800/0810 UTC**

11100 00000 95324 21097 01079  
92800 23347 14027 73483 07738 22170 26760 20001 03308 58596  
20048 33509 62728 97816 40314 23542 95753 74030 60687 41361  
61792 74771 46349 25456 91157 15950 73504 15114 46666 18552  
56636 05491 92743 22946 63765 42623 64244 01713 24379 81825  
52159 56958 59718 57893 48414 13028 90121 40568 16929 40575  
99109 73693 83141 72914 58888 21494 59169 00591 46967 70426  
46808 55119 08586 60036 85549 17810 44616 41247 37799 14643  
29653 85535 28501 83101 89956 93423 81332 21924 95956 75722  
18679 59703 48985 05963 17553 03265 66940 67466 38674 51777  
98566 43471 70862 87514 21025 23768 57971 79216 00464 26276  
00509 58994 20255 56996 49165 97105 00000

**9923/7369 kHz, 31-07, 0800/0810 UTC**

11100 00000 45721 28098 01279  
92936 20982 98139 79655 46161 99812 31142 15370 60563 62594  
57008 95011 62963 58731 74297 44065 19232 84841 77402 66022  
79429 29185 72444 90574 62488 13844 81920 65642 60140 33097  
30326 54199 64766 11422 27909 21813 50858 29559 94758 25849  
64788 92088 92421 42268 02554 34941 55213 90968 80213 96289  
38432 45586 26676 99261 25655 38721 53538 19898 62295 98496  
81676 38808 07628 77416 29241 99953 22454 59435 90784 24998  
34594 56191 62180 56658 49407 28345 91029 29501 97512 92937  
57248 91614 36913 02737 13514 25602 51684 08484 40265 42321  
14455 39990 94937 45823 04829 67022 60128 92913 00953 25906  
20370 95785 86426 22793 22210 41155 39720 49518 97274 24333  
98304 73008 53009 21683 14678 84141 60782 49892 46468 17037  
96044 85495 47813 74678 10216 98125 00000

Link 10053

**20988/18187/16169 kHz, 02-07, 1530/1540/1550 UTC**

11166 10053 12345 02001 00049 00000 00000 00000 00000

**20988/18187/16169 kHz, 09-07, 1530/1540/1550 UTC**

11166 10053 98324 09001 00049 00000 00000 00000 00000

**20988/18187/16169 kHz, 16-07, 1530/1540/1550 UTC**

11166 10053 95234 16001 00049 00000 00000 00000 00000

**20988/18187/16169 kHz, 23-07, 1530/1540/1550 UTC**

11166 10053 82309 23001 00049 00000 00000 00000 00000

**20988/18187/16169 kHz, 30-07, 1530/1540/1550 UTC**  
11166 10053 12345 30089 00049 00000 00000 00000 00000

**20475/18183/16319 kHz, 04-07, 1650/1700/1710 UTC**  
11166 10053 95462 04001 00049 00000 00000 00000 00000

**20475/18183/16319 kHz, 11-07, 1650/1700/1710 UTC**  
11166 10053 82641 11001 00049 00000 00000 00000 00000

**20475/18183/16319 kHz, 18-07, 1650/1700/1710 UTC**  
11166 10053 27341 18021 00049 00000 00000 00000 00000

**20475/18183/16319 kHz, 25-07, 1650/1700/1710 UTC**  
11166 10053 42985 25001 00049 00000 00000 00000 00000

Link 30154

**12207 kHz, 11-07, 1250 UTC**  
11166 30154 14785 11011 00049 00000 00000 00000 00000

**12207 kHz, 18-07, 1250 UTC**  
11166 30154 25893 18001 00049 00000 00000 00000 00000

**12207 kHz, 25-07, 1250 UTC**  
11166 30154 14573 25012 00049 00000 00000 00000 00000

Link 40122

**17419/15707/13446 kHz, 05-07/06-07, 0600/0610/0620 UTC**  
11166 40122 15637 01062 03409  
19318 43689 45284 81361 74360 87880 50466 25193 67001 37936  
32182 76782 69209 16283 90423 50428 99131 21925 36591 60037  
85850 73014 00102 20928 22146 89368 34704 50165 09913 38363  
41693 51366 27962 92632 52202 94923 76858 73045 35769 29566  
80502 75345 27352 86215 49135 03946 89995 60055 33463 61269  
55330 81770 24573 66108 09086 13874 79343 99416 13817 33076  
76031 00982 86019 84624 29715 65417 69830 19553 22298 10907  
74499 50780 26744 19137 67810 88988 30240 69863 42661 44236  
85970 18541 98956 04216 48199 90458 08039 25120 70327 89814  
51812 96041 70641 47173 53771 62840 95412 53731 44104 22427  
34055 55848 26067 23393 66018 08263 35822 33920 44102 09435  
12911 62919 43897 67457 23563 45328 34011 69977 04028 27506  
46792 56548 16109 13658 54228 16865 32095 59242 78706 63321  
91269 22283 93320 51314 95197 08526 91426 45739 33962 71386  
30115 57120 60546 52614 77298 95800 55553 74628 17104 17642  
49434 20432 93248 59661 94439 62084 95091 89049 03447 23625  
16058 14002 97887 89421 39094 29811 31928 93862 28885 98642  
85118 53329 35482 86442 40683 26397 39043 05413 91642 13196  
90385 35490 41950 29864 27017 23265 94846 19044 69342 81780  
45600 82341 26741 39647 20831 45705 68189 12910 31606 93647  
37123 98113 32491 33251 15221 09987 03749 73902 64813 12199  
98860 33676 04578 14622 24581 08329 98232 35529 45689 63821  
60902 52175 31637 38310 12845 88192 87284 64558 35235 11243  
34894 48689 07679 39355 39595 66219 32161 79401 95481 61329  
73101 46129 14549 60274 68211 35203 85644 34915 89842 48689  
95634 77262 61508 96412 29954 71010 59269 21639 94744 70970  
52668 24503 27766 26358 64907 81632 90254 08862 56945 85397  
56934 31439 65214 51233 46360 68761 47632 66458 58772 15275  
17606 79039 13667 41778 70708 49735 04260 36485 33726 16049  
11024 41490 90740 41450 41509 20587 65972 48272 88607 19370  
68027 57746 24473 03555 25270 85604 72261 86467 66997 66676  
22905 81622 30093 06941 89079 41341 95864 86445 13575 67339

86739 61545 74243 04231 77517 39902 52721 51872 00854 26665  
59106 57495 51674 65285 29773 73564 20201 21398 62338 00000

**17419/15707/13446 kHz, 12-07/13-07, 0600/0610/0620 UTC**

11166 40122 37164 08063 03029  
98115 54883 72150 94480 55485 79074 73839 76821 87732 98382  
37608 16061 07301 20025 99505 67330 39244 91227 80409 33719  
67539 49516 31207 60943 52188 27006 47996 82116 96815 07135  
49504 73552 71445 57273 33883 07544 20130 85650 57107 13047  
08139 96040 00122 80220 88387 38630 16963 69741 91781 80521  
81011 12853 71182 44302 71588 13062 53674 88117 68060 85441  
80811 25679 43660 94469 41553 09665 76194 76330 27552 26921  
17845 56642 65493 78927 91221 99514 06184 45954 03892 48905  
75050 58337 98538 48194 13765 23337 80962 48912 67663 80984  
93095 44579 98652 87379 23223 90568 28300 48863 70605 95945  
40777 55509 06675 98219 00360 87363 00006 56939 63166 91047  
29736 33387 15728 37909 76514 09619 08418 21275 20108 09887  
88626 15459 59857 80805 47086 74318 54024 61323 21847 70614  
00207 76960 29814 90121 49901 55264 15708 17548 07188 94346  
33641 16208 27396 39579 29098 81661 04012 11881 49130 36451  
61151 63841 91719 20650 25040 30861 30230 57897 72932 69500  
73905 01610 82910 00223 50329 91046 32998 96718 20801 71942  
23032 89001 64560 61365 17718 72456 92791 61504 34325 40040  
78355 52070 23437 79805 12181 76065 96733 67766 33788 05120  
27582 92384 21162 25421 56326 22584 56019 76336 80651 26066  
48226 38999 40288 46768 18915 01274 60560 16360 26699 32572  
45247 12317 26800 23233 92208 29764 99017 68131 30188 59276  
05489 99216 00259 27235 29353 42420 53267 25703 57125 76711  
93176 24064 25717 17176 50897 29022 29070 10647 21219 92633  
92974 88592 49054 52320 43863 54827 86750 11204 79261 81526  
92915 25973 75839 93230 71181 94442 95999 43521 72342 60024  
78929 64261 00000

11166 40122 37164 08063 03029  
98115 54883 72137 55771 00554 36075 33569 58080 05038 42161  
53188 54406 52289 15806 82872 17605 71665 73970 89988 08111  
04062 59512 38511 70961 59234 54006 47996 82116 96815 07135  
49504 73552 71445 57273 33883 07544 20130 85650 57107 13047  
08139 96040 00122 80220 88387 38630 16963 69741 91781 80521  
81011 12853 71182 44302 71588 13062 53674 88117 68060 85441  
80811 25679 43660 94469 41553 09665 76194 76330 27552 26921  
17845 56642 65493 78927 91221 99514 06184 45954 03892 48905  
75050 58337 98538 48194 13765 23337 80962 48912 67663 80984  
93095 44579 98652 87379 23223 90568 28300 48863 70605 95945  
40777 55509 06675 98219 00360 87363 00006 56939 63166 91885  
97241 27074 87818 56010 77167 98125 74718 21275 20108 09887  
88626 15459 59857 80805 44224 99156 10302 09886 59359 50735  
83949 38058 05644 38101 44533 79955 11115 50730 60886 62051  
94626 90379 54278 28065 36664 43938 56387 97599 16286 86834  
20116 88943 68845 90453 50412 41960 44223 31995 47314 02019  
70215 30209 78372 50895 50801 55448 22666 95587 53948 87472  
86500 71217 65148 37519 92963 63163 29171 09862 69628 90280  
28959 55877 65470 50170 91060 76065 96733 67766 33788 05120  
27582 92384 21162 25421 56326 22584 56019 76336 80651 26066  
48226 38999 40288 46768 18915 01274 60560 16360 26699 32572  
45247 12317 26800 23233 92208 29764 99017 68131 30188 59276  
05489 99216 00259 87830 64167 96664 30324 65076 48965 33328  
76128 02138 52490 32178 27211 95116 72315 41420 01230 90491  
06734 56972 75115 34602 70903 46994 26465 74393 69359 58159  
83636 01630 85801 08347 07967 57746 76099 95445 56562 41527  
75472 76968 99088 86818 55754 00145 87000 02432 93697 87194  
98652 91453 36253 05461 08733 92131 73755 77100 55436 07533  
56958 08005 03842 16153 18854 40652 28915 80682 87217 60571

66573 97089 98808 11104 06259 51238 51170 96159 23454 75196  
63300 00000

**17419/15707/13446 kHz, 19-07, 0600/0610/0620 UTC**

11166 40122 12345 19456 00049 00000 00000 00000 00000

**17419/15707/13446 kHz, 26-07/27-07, 0600/0610/0620 UTC**

11166 40122 98324 22065 03519  
94098 24388 74118 84140 15850 81032 58411 19080 98423 35932  
56255 90945 00592 08901 71481 17707 81207 14293 51321 87842  
19265 05063 25464 49375 27809 86064 91300 29865 22634 01278  
68802 04536 31697 24646 73465 54746 56199 09218 80754 83973  
19258 74269 80495 83502 63120 35115 44638 65017 80845 05269  
56844 02266 93399 25665 77321 49001 08094 00611 41356 25375  
19313 45170 14967 89975 37464 73658 56132 39706 57086 83939  
55019 04669 00054 17205 51651 30266 94825 97938 54455 63694  
77650 83737 08132 87018 26699 79686 84268 64016 65034 96969  
93154 92979 93366 60406 40216 82660 38536 94605 75525 93548  
28655 43418 09808 11670 30840 02373 95393 47092 12493 68795  
95549 74321 12039 39287 90621 56785 30089 09256 94438 22584  
76938 54182 79399 83694 37360 97316 33699 15830 38612 93481  
99111 41114 32612 83686 62782 80795 28205 00220 01457 70151  
34469 26920 01600 52795 00992 44316 03814 96563 66056 14310  
45024 98175 48677 84102 96855 68844 45422 14043 23627 18035  
17952 59092 08424 77557 82226 58590 20669 33176 35301 14004  
23638 55925 80665 59361 45347 50323 38051 54038 61268 61664  
48651 52602 62284 09581 11683 31396 06351 40067 13244 76540  
77271 13142 33381 63056 99052 68345 42330 79785 79257 35254  
21841 79799 79794 81209 72551 60981 38597 13428 93321 06477  
90611 77708 43487 39695 61539 20896 23952 73539 32774 09314  
38079 58575 00968 20327 18286 59805 80656 49255 29317 16745  
23398 98785 84103 66488 51849 43109 33164 34451 32216 83941  
13472 22471 33530 40632 67738 48965 47169 41535 70042 20824  
65080 08847 18743 41727 40115 54081 82613 86581 76951 26379  
11143 96748 27005 80837 44927 75769 85784 59044 87098 90258  
16132 99010 21730 05670 45772 16682 90143 11602 12621 26220  
61075 16353 56282 91242 55614 15390 79172 24205 12876 63443  
25720 76121 07328 04894 53053 83790 53714 42150 91647 66747  
60516 46701 19337 91094 17890 42536 97151 42420 31003 16607  
40401 74989 34732 36041 23459 29389 50633 76765 41665 35815  
72147 93257 78803 45197 88952 84087 53582 55338 86427 32953  
43547 24263 81138 29890 09887 87962 78306 02344 71542 24717  
62180 10794 02080 33191 55259 88617 47750 16487 07305 65349  
00000

**17419/15707/13446 kHz, 05-07/06-07, 0600/0610/0620 UTC**

Link 40023

**18746/14574/13383 kHz, 12-07, 0915/0930/0945 UTC**

11166 40023 54213 12001 00049 00000 00000 00000 00000

Link 60070

**13971/11127/10211 kHz, 11-07, 0030/0040/0050 UTC**

11166 60070 17935 11078 00049 00000 00000 00000 00000

**13971/11127/10211 kHz, 18-07, 0030/0040/0050 UTC**

11166 60070 75382 18001 00049 00000 00000 00000 00000

**13971/11127/10211 kHz, 25-07, 0030/0040/0050 UTC**

11166 60070 46279 25001 00049 00000 00000 00000 00000

Link 70059

**10538/8107/6791 kHz, 03-07, 0400/0410/0420 UTC**

11166 70059 12345 03001 00049 00000 00000 00000 00000

**10538/8107/6791 kHz, 17-07, 0400/0410/0420 UTC**

11166 70059 35197 17001 00049 00000 00000 00000 00000

Link 70202

**11159/9188/7669 kHz, 03-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 03-07, 1200/1210/1220 UTC**

11166 70202 13509 30046 02639

13819 08018 39642 16920 47645 31297 38703 02747 56991 65318  
00309 86429 56456 07196 73710 33004 85574 94705 25170 72596  
63842 60740 25801 38524 66228 33282 18960 47586 39106 43252  
01374 33590 34173 76310 12601 90499 28876 59199 07706 25261  
57531 45789 64375 88644 32075 86040 48224 51706 20665 64328  
90587 17540 48835 50246 09396 97671 10706 15332 70790 57538  
76007 65597 59245 54251 64246 60219 15734 28380 41195 02351  
87052 02968 80176 91214 09647 74893 17846 56491 79526 15252  
38633 24613 54556 52032 85048 91037 51614 40128 12975 78147  
75418 55574 45120 08355 95504 02375 59381 46284 84908 62889  
99956 71531 12242 64506 32238 95225 52712 29498 42308 37472  
90053 48597 88904 45101 59158 97322 12539 89707 62277 92457  
93016 11738 64581 91350 67974 32848 74790 68745 17113 18802  
78234 52776 88268 00500 50721 96325 13390 13660 85357 23451  
01831 35325 16981 63137 32781 92510 44748 12954 34601 68814  
18759 77481 17560 90738 55980 39624 49235 00164 40396 81756  
61026 20855 06454 83987 46576 89398 61171 86745 46573 17971  
04405 02477 60940 71789 96775 07088 66962 33258 91486 50888  
59914 99908 88447 93120 45551 73791 92687 98562 67308 24791  
93190 04979 94799 88044 37423 70297 77431 99648 59323 24353  
30044 22310 65893 75225 76981 62971 04945 13500 97714 85478  
83617 23859 11961 65540 84991 98698 82048 97842 69957 65880  
90875 29870 53397 71942 06119 34588 25797 68186 77686 34460  
90428 14179 34785 72456 52383 07985 12775 42295 08085 68407  
79562 75675 09716 92402 05170 95084 71468 20253 13196 25674  
43861 16110 58904 02307 93722 62441 35853 75727 82805 72392  
74306 46261 00000

**11159/9188/7669 kHz, 04-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 04-07, 1200/1210/1220 UTC**

11166 70202 37296 03047 01879

51225 82986 10414 32442 10460 70637 00807 87242 65204 88734  
10180 21178 83201 01445 18674 60712 23734 50108 22172 88598  
30023 42638 18593 42949 27885 87952 86432 33501 25315 41798  
79688 98317 03101 12626 63987 61020 56291 71411 72175 78550  
81376 22346 39426 61910 54236 47258 10340 21973 49273 36293  
23519 08938 54581 38965 61263 52287 63136 08451 90523 18379  
47336 10839 12757 94464 63088 97244 88644 01719 96358 75338  
26381 68760 01936 36623 60815 02993 83998 13218 24177 38748  
58208 46159 20906 46731 80271 33456 97186 29034 78899 95156  
35612 66152 73289 15948 00728 71450 76076 57043 04551 13499  
52262 36451 50283 53919 96863 70207 09045 03389 74390 11827  
85960 08420 13071 84018 15460 10544 37013 26046 45832 37010  
43892 11729 64507 74156 98267 20930 47892 99343 50373 08615  
91240 39067 88548 42566 76640 27882 33436 45993 02039 12921  
52770 92176 59816 43179 04989 85308 50269 76140 32785 77929  
98755 66854 10966 15664 34000 76896 30152 72578 31240 90434  
30473 81755 46920 67998 30617 89246 59559 57695 82821 94738  
13117 14244 96483 59717 43202 55597 12421 82392 30564 57645

25270 35530 08948 17531 40563 47185 00000

11166 70202 06589 03048 01799

83634 21691 93172 28046 87656 55215 35007 90201 78209 25483  
90189 61062 99649 72938 68138 08236 11026 01972 68036 72611  
45257 01715 63705 70551 34041 11697 35031 21715 87293 71445  
96461 71998 99854 67203 52089 51878 60436 43793 77141 89810  
68717 84367 51590 24727 28756 73551 33475 46674 18463 08738  
74030 76674 82402 20937 92858 34970 59486 38949 17151 72744  
55112 55340 86264 58702 00024 38796 78602 23244 08476 42711  
10094 56773 50394 67194 86694 91259 49925 94688 64337 45336  
69663 15019 76955 26156 94008 75152 44974 41697 36390 78672  
17221 23136 17855 82260 24350 34057 36455 03063 24710 50009  
03226 56989 77085 75543 38193 71550 71120 97528 12573 79029  
12188 62576 77001 78993 93031 82115 18700 84822 01210 14936  
38290 25289 06202 93052 95975 87692 42345 05913 23075 41631  
38666 19404 01126 24918 75297 78954 38659 49228 08058 49459  
84632 17484 43599 67290 20021 36553 87572 46647 42777 71415  
25243 40886 16552 45347 29081 11560 57990 77614 99268 63727  
06844 00743 48777 68792 84194 86625 01915 30823 92134 31885  
81652 72416 53961 93655 76867 11469 62109 48177 00000

**11159/9188/7669 kHz, 05-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 05-07, 1200/1210/1220 UTC**

11166 70202 15068 04049 02779

29495 12248 12610 47555 86912 67038 46338 13960 31117 63166  
05807 58856 91760 47683 48774 80302 76188 10591 67275 27444  
83799 30641 48235 81182 12754 42698 20808 52339 47250 93148  
43417 22478 84301 53123 91594 26840 84270 97863 40366 11417  
89164 28980 84049 61400 79966 07969 94688 18541 35158 06745  
70638 44654 64844 12173 55935 76703 31676 80696 51153 60731  
56615 83709 27281 12368 02497 30082 36242 79990 47134 22897  
17931 75579 17168 03429 43734 31341 74046 40020 22172 07920  
64200 05694 88039 49217 52191 11541 22862 39767 12227 17322  
00435 92893 09340 87170 70457 58889 15616 27188 35044 99106  
22141 66844 94366 19171 84763 16382 25940 56632 16087 06549  
31847 37989 95082 34292 52529 23056 12764 49095 23489 43649  
21143 31702 65350 04961 44591 77155 23247 80024 41125 59632  
27344 51856 39995 09871 88093 47151 83464 15759 33925 88193  
78590 77367 84515 24254 65319 23655 32221 79340 83125 61011  
09774 00850 73989 23030 51157 94198 58383 89171 57609 80759  
79523 15551 51507 24672 65190 05162 90999 96301 89583 51390  
97716 67442 88798 71715 05461 97131 44881 16693 89809 50812  
76302 25697 79060 69095 85847 76651 48129 87672 57353 77292  
70810 33975 92064 02201 73901 54424 68986 72352 14997 50249  
42667 56859 81195 56903 30284 12560 81001 59870 74641 26446  
64410 58148 75658 24938 34722 66524 34308 02200 35339 67344  
09007 27121 59615 63723 91732 83959 08257 72992 02344 22121  
41381 28227 40387 44671 82606 98060 62725 68188 74658 83846  
39352 60590 10841 64181 27227 54111 91526 86712 58716 12352  
45279 04068 25631 72804 41892 50243 86617 24071 67454 61633  
35416 66671 41425 09317 13642 57805 42309 12833 52038 46720  
93944 53205 94508 97142 45272 49275 00000

**11159/9188/7669 kHz, 06-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 06-07, 1200/1210/1220 UTC**

11166 70202 61705 05050 02139

96549 95823 81885 46788 72007 46958 84005 94540 60837 45441  
60834 39133 60836 32070 38933 82145 62472 77283 15716 92284  
41741 46367 92270 30227 41191 78921 80759 24083 13926 88490  
85890 27582 16911 36618 42259 54066 22131 79641 81106 52320  
01420 30992 90428 78686 48748 53545 38013 22453 45907 08414  
00514 89180 65667 42397 09926 07001 23664 98548 56623 86160



80486 09839 86571 32231 83650 28968 99655 62220 86497 39760  
78911 80474 34361 87548 49548 17344 57930 91454 26193 85123  
59927 88372 13350 46015 46695 05952 48162 90436 08119 52086  
98405 71649 85606 55274 53485 10561 84275 21210 65769 48371  
11785 99050 92751 69271 16682 18225 90388 57187 95570 26243  
96147 88798 59711 03007 90070 35584 17207 32073 30725 99450  
84058 88679 63372 08174 68100 81815 89827 52275 17281 08091  
44335 58013 82189 58800 46838 27492 35236 36398 18973 48702  
55568 67199 78368 80369 79817 62368 16902 79304 48797 17140  
89366 09525 12327 51428 85525 48691 62955 19026 74322 81380  
00607 42141 62005 77380 45133 26747 25333 23442 43753 80655  
42679 65859 15701 23188 17617 80499 63264 92327 68797 17742  
27919 74746 08092 37523 64165 16533 72718 62341 59927 63210  
99665 27789 15117 16591 92978 27604 29768 78134 70121 02996  
17104 21841 84788 13382 58646 63172 30101 16984 06866 68108  
74327 50211 00000

11166 70202 75306 05051 02099  
12422 33714 69882 29478 11446 13505 69432 50830 66728 01358  
07356 51155 52877 51677 59445 42874 92813 40966 93698 88908  
56606 00968 26515 53505 33603 25642 53470 00195 56115 13913  
51254 55636 93135 20637 03017 26203 07434 77095 75504 20160  
94280 12432 85843 77633 26280 82618 12067 83647 51205 21272  
84669 05514 49747 91323 40887 29630 35174 88808 29443 07925  
35579 98503 59946 03272 32278 36020 86574 83691 12144 36331  
42126 15937 78234 91973 59742 16659 27980 43614 04347 02478  
97118 69450 95462 21633 46960 67613 80548 45033 02062 54978  
43973 20747 19576 58110 83712 40746 96676 17493 13242 74347  
32968 45158 10639 63558 34751 04393 30375 29633 42927 00311  
24961 71809 22451 72013 27221 67851 81769 28816 33862 61510  
30305 82606 33957 54024 97990 49267 54644 31541 81552 56963  
73122 97252 78836 59490 52215 27015 88447 82730 61088 14594  
21718 34349 00520 23487 34732 99042 57599 06787 81983 50334  
76540 00584 01584 78075 84066 47618 78847 26042 34290 94700  
83815 92405 02311 01688 21158 43535 61653 19636 01381 32264  
35740 96315 07554 61051 42433 57177 68922 15568 80151 83436  
98405 85882 55066 47016 28162 83080 14966 28207 87826 72704  
28084 21435 18321 02979 14957 55237 60220 31638 61444 59474  
87541 54280 92265 57616 61738 00650 85354 51207 00000

**11159/9188/7669 kHz, 07-07, 0700/0710/0720 UTC**

11166 70202 79462 07025 00049 00000 00000 00000 00000

**11159/9188/7669 kHz, 10-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 10-07, 1200/1210/1220 UTC**

11166 70202 28137 07052 02659  
54951 29601 13721 36235 73330 15389 00631 58779 00675 15494  
55888 70499 11617 68564 32447 14161 15735 70628 46104 44932  
50943 15000 09941 02542 69786 79349 96731 22531 81847 22842  
11066 85329 08963 38911 74179 47513 18108 82168 22231 96656  
34295 19999 24237 01322 37213 79279 55052 41486 23913 15856  
27979 50327 30226 06694 88260 51819 99619 65724 92072 07586  
88611 26413 13286 65645 11961 79490 64825 02876 03335 12507  
26618 05408 43122 41108 18329 67690 86725 67559 37830 67145  
25095 12089 69251 01800 14846 15072 93728 22841 09195 73945  
22814 89965 01441 11876 79570 34027 71448 73740 33332 79475  
33149 95449 39394 34806 19420 59445 72732 24911 43709 12955  
38978 79708 83559 78644 61260 93265 01630 47463 72504 08043  
26088 05421 18159 46373 94826 77855 80286 94881 05041 11310  
47156 73601 76063 09650 74744 01204 69040 21026 93092 82016  
96711 79629 05280 12138 11080 30035 24498 36841 56649 25100  
02023 22052 50651 71164 14558 39999 08426 03267 84396 75793  
21521 30057 72713 26019 99654 39055 12472 03571 21939 35616

34635 00979 43541 83365 57529 43730 80607 54258 12692 26775  
27420 76537 64045 19118 37320 05169 67352 40244 73719 71631  
41482 39412 09907 44072 75897 12028 85490 29723 92635 28914  
04621 78210 70440 62183 41164 37913 48559 05047 98709 02025  
74065 32880 27345 62017 64817 75319 60999 63034 61428 25879  
92937 77501 01166 35634 44034 14496 20380 47414 94396 85564  
01465 56483 01419 33023 16840 65551 71933 95146 07487 28834  
94704 00616 66831 85195 37888 93526 77830 25904 10820 32852  
20832 74581 40359 24710 43512 68668 19136 01048 59563 73728  
80362 95457 55065 52263 00000

**11159/9188/7669 kHz, 11-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 11-07, 1200/1210/1220 UTC**

11166 70202 87102 10053 01979  
08367 33516 59269 49377 80560 34321 59197 30135 38151 50004  
02429 56144 77422 38690 45328 60396 81910 44577 54646 04065  
61491 94797 53460 52383 83120 83587 73650 80806 61391 40761  
29090 92628 82439 44730 15099 12833 10400 47239 52748 45219  
22514 87897 55930 10138 24973 88894 97885 89766 82513 34549  
41523 98019 25573 71501 79594 46762 10047 30053 92160 85910  
14995 86803 90074 29646 14486 01710 65773 03034 21361 18293  
74767 45201 52012 99504 23216 93736 86689 48976 33258 31419  
99987 91493 84702 73865 90695 01596 13060 62607 94562 59219  
87121 78642 17764 88301 56253 48137 30339 65264 59458 79929  
83677 60477 87464 30847 73160 25117 33514 36090 83468 97815  
74454 12431 22436 00529 95924 80550 55197 35700 61466 19781  
83971 08175 14261 45146 18709 57906 61526 55981 71222 51534  
11841 92023 59524 51755 59726 20919 51238 02242 34283 43920  
95375 52267 12509 17076 56188 75264 26020 95400 95164 39298  
89271 08890 52277 36840 93105 08916 71130 94898 98666 54725  
13316 21550 81350 78758 81240 32496 75420 55482 33627 42027  
57352 65356 81727 75048 56754 65297 53326 79733 00366 93204  
20346 05226 91749 47645 02443 63831 57430 50868 91860 68113  
54085 70194 55455 16795 65603 53195 00000

11166 70202 26731 10054 02179  
75158 80725 41279 07365 00689 69012 16098 74159 15899 27399  
26154 71473 40412 71852 29869 15609 17663 17236 97263 96591  
77617 38866 49121 84601 73199 03744 92487 87697 64277 36346  
78441 51613 55254 65756 81911 51457 96437 29007 92611 74035  
73947 36400 65406 66842 20645 91718 88006 31134 23855 50948  
18004 74938 88628 14504 16606 52507 53428 06045 70873 44015  
80349 00718 18232 16400 90235 97355 11274 08103 63046 60358  
16159 06607 96117 26800 29255 62955 02797 54566 96657 00207  
48064 29223 23353 92795 84871 64406 52060 89790 10353 37425  
49443 76734 06426 64167 74053 90234 63952 18936 27175 11919  
23661 25020 97927 34518 00282 37393 13080 99471 70124 52530  
68055 92511 64865 11259 81817 28658 66166 33743 84990 25087  
71643 17868 93650 36322 01972 06158 97547 73664 92306 58698  
80569 93448 30838 58739 43205 92545 24300 15441 83194 31619  
17127 54283 09370 42413 36367 10847 82364 23950 91213 59349  
03512 66448 57133 63789 77238 53547 18581 23119 68513 34027  
25427 00957 96921 38237 23642 12263 61477 58795 48056 64053  
02479 00866 83462 06864 28152 57405 55210 92248 36258 73415  
39535 58663 26298 69983 85825 52250 55892 00330 97118 73260  
66329 29300 02373 88542 07494 65760 47438 13242 95642 64417  
88299 92109 35423 45657 44020 77700 09191 17602 37775 41624  
30277 87329 64376 11025 79826 54215 00000

**11159/9188/7669 kHz, 12-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 12-07, 1200/1210/1220 UTC**

11166 70202 65718 11055 02679  
65604 04621 85654 51672 67536 51640 36086 32972 86669 20503

16265 27671 91170 13952 02872 90589 27343 40322 41734 79297  
69753 06275 88752 11102 32593 45873 34559 55092 76035 44756  
81881 96505 42498 87070 99843 43181 27318 78698 36732 78260  
91210 07872 41478 69976 01467 43966 99699 78908 94040 29188  
31288 25604 95170 78474 37642 93280 41640 37892 76823 43326  
25260 08331 93215 05460 53797 51851 66473 86797 71319 34051  
99693 88082 32720 64948 32174 53004 07442 93955 39309 52140  
36814 04788 11189 25908 76810 31835 31010 88338 81989 42112  
65469 45720 85335 88954 12607 10149 35032 71823 73583 61139  
01309 14860 03634 08838 63872 37398 71290 53540 54938 91129  
30071 11207 80312 55818 83149 99623 29151 72748 81998 75478  
26548 95173 61055 71933 46964 66671 00623 26452 60828 31605  
97727 48714 43341 45006 12850 99911 55341 73814 12660 69201  
31461 66257 89035 20688 46073 38165 76353 87266 95205 49693  
45010 59832 18799 12446 44108 52852 40592 68861 36154 27098  
11968 78301 40144 19485 39551 64771 32889 43801 50407 86647  
99329 05039 95094 38122 63687 96174 34286 81776 07991 32148  
64614 54329 87771 52288 44504 55777 56791 20979 68143 81208  
96899 62588 28877 69659 72180 99134 16377 32481 46762 87447  
05495 48450 39163 58978 96779 99114 11662 04047 16273 98875  
21863 72641 59487 26089 79632 17433 43987 75186 79757 81186  
90676 26748 53280 43317 26925 05335 11317 49224 17044 57856  
35841 27728 19132 36478 32333 65593 08478 21017 94977 90937  
42616 17318 84329 27067 86688 83196 81117 74466 57928 53340  
01235 83022 68155 30957 89954 41814 74392 31161 07169 34840  
99545 09263 88032 58528 73154 55265 00000 00000 000

**11159/9188/7669 kHz, 13-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 13-07, 1200/1210/1220 UTC**

11166 70202 28196 12056 01959  
66377 26671 93266 84901 26538 27824 03795 76513 55124 01806  
21047 59922 60159 78160 14876 70115 20164 42440 52768 18129  
33372 76020 67658 73886 50632 14375 18029 10445 15443 40982  
26239 39376 59549 59079 06005 91926 27550 08425 14979 25684  
28937 19272 93375 61408 41023 20740 74551 79732 11181 45759  
78510 32408 31837 99794 24249 47793 86654 85520 21890 35267  
91352 00641 30538 18254 77582 51043 92793 50553 93312 46474  
81865 95650 18158 70912 22223 73710 17079 44849 69711 05933  
80909 21641 62085 10954 27127 85137 75890 32993 59320 40761  
50623 06421 08788 17238 66116 86437 06694 21155 84089 00566  
60241 11541 89793 00611 31272 86647 94685 19814 40757 00136  
86084 64864 47599 48834 34733 97456 75187 99272 96205 85090  
84144 45173 67106 25798 14707 13077 81984 76483 47165 58318  
61913 39558 53811 18505 50666 87572 40825 16708 99424 30518  
03549 31556 85965 55491 43562 76396 79252 93416 21025 54738  
85375 92499 40705 84144 35780 03106 95134 05773 03717 03760  
13339 21750 59844 22940 88559 27559 02946 36360 83427 31640  
26661 44432 36009 79383 08209 59587 15174 23703 30007 58149  
98710 09383 70146 76448 72641 63375 22650 55858 75156 08252  
33449 66447 33622 56193 00000

11166 70202 29731 12057 02119  
35582 49387 68740 88953 91253 53981 73969 81766 65510 60504  
04179 27706 04364 73894 33445 19116 54276 25170 85393 91764  
57346 16103 00300 79135 16509 13985 52687 19158 22950 57434  
24103 36819 62910 59173 60746 51090 46073 16714 70664 79613  
22720 66894 40167 39566 81848 45197 74184 68169 47426 35793  
90226 11253 14983 23245 20651 53327 95721 81805 02912 87598  
60337 63256 62490 49361 99722 69213 18187 61202 44768 18848  
64462 63471 12422 47950 10520 28427 70211 00283 80811 81526  
36406 97152 06656 78269 58017 96148 63663 10056 33812 74969  
34639 37476 74538 01293 02674 74490 17541 74613 04088 71912  
37962 50996 95929 73658 23715 86667 17717 44177 06403 61404

52093 90520 65395 67635 14112 27471 47230 76209 23804 59172  
67535 14755 41752 75712 87660 19579 72325 88074 83197 47042  
64284 49909 46591 55333 63441 39557 91010 92603 97045 00770  
47685 52378 94610 65552 73881 82190 74837 07575 13711 56383  
53358 99590 78959 48999 50949 73291 42123 67711 06931 05043  
58839 34727 27429 75941 61900 25598 23187 79613 94032 01881  
16612 76220 71635 98583 22754 16080 96668 52329 33891 81362  
58864 81188 62420 19287 95463 52104 21738 65258 00658 96848  
49788 79386 01925 62462 04983 44821 45452 07090 89167 01335  
57817 77181 77330 12607 76140 26960 58728 90627 63870 57209  
00000

**11159/9188/7669 kHz, 14-07, 0700/0710/0720 UTC**

11166 70202 56932 14052 00049 00000 00000 00000 00000

**11159/9188/7669 kHz, 17-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 17-07, 1200/1210/1220 UTC**

11166 70202 78469 14058 02319  
44881 65976 63286 55156 48641 61435 55086 28655 48560 92254  
00407 99376 29708 48330 90327 87595 69159 99806 81778 35983  
17157 73321 35050 95026 59640 60470 34927 72230 85179 78341  
69961 66024 72982 12959 63956 70961 58786 44710 73890 08744  
24635 88792 35764 42295 59020 06442 24371 78428 75027 30533  
01363 82122 52004 04659 52749 80204 12527 14031 07932 94196  
52100 92708 95834 70798 24596 07535 46638 17360 34082 03376  
01511 13613 56027 92229 73860 14192 28771 81529 42124 21460  
82023 76164 59922 02105 77888 34119 64109 32956 30973 21487  
47338 62027 02949 34977 90698 21429 65884 53633 15153 07272  
81625 31161 90229 66208 26062 29661 31382 62664 00223 05829  
59613 81342 58018 84637 14054 27274 08142 77124 42800 35621  
76467 53421 34526 11596 25219 69914 60479 44575 80473 63904  
43952 26519 87850 80840 20029 69969 56287 95890 32824 08908  
55582 33388 23212 01529 21180 78043 85142 35712 43727 21095  
35756 30773 64560 95868 58936 56624 91634 45402 57492 18031  
23552 39403 52915 92697 61954 81867 09133 03805 89293 33694  
27602 48905 86385 56733 30368 32371 15465 13711 39884 97960  
95459 04021 37858 64952 59610 81408 46069 46889 94499 82869  
03593 00732 61730 88583 47242 82866 36974 22370 84441 13521  
64370 05423 91182 85138 70067 68785 35712 95623 25627 73323  
45462 61697 25868 19401 37264 00944 66067 48660 88967 26092  
56700 68219 27347 78166 09231 72557 25197 48422 76750 58229  
00000

**11159/9188/7669 kHz, 18-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 18-07, 1200/1210/1220 UTC**

11166 70202 67351 17059 02079  
25306 70660 50041 53355 43886 00961 06403 48831 36405 73124  
84495 72831 59916 87431 35787 08051 29730 04593 59610 05038  
42994 07392 30111 10676 89868 00313 13142 46379 13235 51841  
96520 53176 02881 09136 82122 45880 35094 39740 13212 43527  
93601 80041 35474 68269 32799 95155 15174 29918 69196 79912  
62878 38314 12029 55662 36183 10719 68964 42554 19889 66410  
87843 11994 07042 25683 20397 48971 29304 55415 18865 78931  
10072 28417 01478 38890 38782 88732 47704 97465 89857 40085  
09241 53534 34707 99653 47643 68182 20239 84371 34572 09645  
12308 21935 75562 15920 27550 03695 43269 04754 02024 21644  
31125 85662 70114 56663 63340 53710 52122 10236 22199 69692  
73985 96790 78561 56452 67567 38895 36544 65984 24942 32454  
28283 97031 05135 74122 19740 67857 16725 68107 13480 73883  
24781 54563 59360 84871 55534 26740 09062 61354 97259 29102  
75410 94977 20769 53587 82421 02473 67987 76194 17002 27913  
82019 01097 18248 32974 77164 04454 65283 79853 72309 95129  
49570 36573 36138 34484 42622 59310 17590 82432 95072 31488

60021 61972 28030 64275 22480 59340 02644 88212 56561 02018  
78846 90626 12258 81740 99180 78543 71255 14724 58667 71770  
31106 56282 46645 55847 88718 12029 71523 49541 96600 12842  
04372 66589 90297 45795 02311 59205 00000

11166 70202 57186 17060 01159  
42562 62461 57955 69039 85733 66510 36638 42047 85745 26500  
61517 17566 51271 55393 20430 24889 54330 16107 16999 02328  
62443 01000 61819 21872 05639 85671 35215 71741 33011 30524  
88775 32806 38528 28506 77842 09775 60748 22488 42142 03115  
86164 40711 76754 32630 10842 23728 60593 48635 40045 41295  
34606 91670 30542 22638 46850 86678 05271 48538 06672 82602  
95057 78666 15137 73328 87071 12614 63929 60904 84707 08052  
19893 46999 08579 04453 37399 63504 93316 25820 65738 78243  
59849 60859 43724 36714 67866 44023 98677 25800 78137 85881  
92011 70402 79391 26234 78566 98903 59421 08427 71917 38432  
25128 98287 32819 25838 01171 96130 22981 45335 61915 15271  
91369 28740 76378 60113 00000

**11159/9188/7669 kHz, 19-07, 0700/0710/0720 UTC**  
**10629/8138/6774 kHz, 19-07, 1200/1210/1220 UTC**

11166 70202 52186 18061 02619  
35940 44215 06497 33050 53151 77680 64338 62207 74091 43488  
45095 49569 34397 44899 63404 82556 08267 80217 73801 69082  
22399 30100 52320 38743 48496 60998 75412 68050 89028 74408  
64911 72747 79285 25953 87675 42519 79750 29715 89155 67103  
56264 01358 59426 24484 31778 16326 80654 73231 12064 64115  
72875 22389 21972 74236 90640 08459 97187 31268 58356 08413  
69541 97793 70413 73675 11935 05134 71769 86922 54548 82408  
53220 02049 10963 05929 05813 41853 28351 24926 21699 06946  
41701 37245 89129 10031 08217 77075 96878 27012 91833 74349  
92703 05697 28781 92051 30619 57982 60666 47958 67324 91408  
23997 42546 74702 12694 07233 87548 54960 95000 74160 93107  
02620 38280 62128 23605 69473 62239 59244 52257 00503 82122  
04880 47935 01667 33398 61666 82906 15360 09343 68125 98704  
84415 73020 75122 42602 78680 08791 49533 59557 89957 57541  
48286 10772 31530 31569 52809 75952 87270 74389 27500 72858  
03439 09568 65289 07397 27345 20038 58408 48545 68459 66235  
46856 55594 65287 90439 45987 02719 81090 63619 13976 83423  
82810 33230 53644 06005 04391 09903 56326 66030 52029 40155  
14925 01110 72453 42006 51180 00526 42098 50798 55732 81424  
96601 93056 01107 97141 12683 87799 60492 26391 91142 02036  
71483 59238 72826 57440 19949 58751 36892 25721 55010 09295  
54644 10282 44120 45915 83896 35360 16654 05338 21479 39429  
56013 90345 39419 42903 17106 97574 59420 95144 47728 86160  
92825 42081 14100 57677 13937 34583 76747 93287 84697 97647  
71522 62448 49567 18286 07412 62571 97770 12140 68904 45323  
32793 61564 58014 99934 11703 73708 91729 84443 53928 61259  
00000

**11159/9188/7669 kHz, 20-07, 0700/0710/0720 UTC**  
**10629/8138/6774 kHz, 20-07, 1200/1210/1220 UTC**

11166 70202 67419 19062 01999  
75321 54758 75202 88567 14203 47487 72893 65784 63025 55702  
59723 27885 83662 94044 72633 88220 51195 91440 02214 29452  
89328 91890 34861 06749 73057 94465 13517 31447 46565 86816  
53802 40457 11786 21605 73961 09386 25206 44141 26204 33281  
78251 46771 57149 91163 95308 08107 65878 50395 19247 24828  
89726 97948 32833 66511 22119 55162 26808 92633 87560 30684  
66726 54877 33389 21616 26896 41349 70727 72966 53160 78598  
26521 37615 74728 94572 58667 75373 30747 42946 42496 03759  
90562 05950 99717 60683 91283 31501 32463 79761 18768 88144  
10797 40694 74663 28671 62593 64128 88356 49777 91625 25392

53662 94278 72933 42971 90039 66098 31470 67238 49611 04308  
32718 27865 91009 31481 96252 32124 60475 33594 31194 04117  
78654 63892 30546 79598 74955 66444 56466 16269 79524 91341  
96688 75068 70684 47043 52720 97426 58488 60951 09820 47831  
51996 98093 46029 24331 16639 54058 54042 29704 17833 90050  
22094 34968 41293 08330 68178 85180 22511 19876 91149 68243  
90499 83261 32663 93290 04496 51510 06849 80869 46526 49947  
55100 96878 96249 41883 94377 14761 01210 62046 51720 00385  
66347 60122 39134 33102 34304 99249 89420 76066 37379 60489  
47622 62053 13096 03634 33904 28221 12731 62197 00000

11166 70202 02519 19063 01619  
57447 90682 86282 74500 96555 30638 82483 00702 13272 00762  
54241 36747 78060 27414 59947 80942 08026 09419 22187 61167  
67291 85360 01365 10428 10696 42175 24830 20230 46127 16715  
87815 64664 52179 44732 01360 94992 00973 62942 01443 19915  
11155 31977 73233 21194 72587 05526 68379 94258 31896 24496  
96747 24231 75641 28369 99387 49394 87660 66766 05356 09470  
46240 95285 24142 77263 11623 01977 49411 21560 64591 43444  
07923 14176 48826 70754 65516 36963 35065 72140 60344 39893  
76774 29423 85847 92653 29241 85212 39405 25019 10929 00272  
22847 29933 28043 45044 76444 30197 28550 33649 31248 00228  
56023 34975 53954 86985 22248 29541 50732 76612 04985 48452  
98922 66298 16080 08179 54054 79795 28412 17842 47796 11076  
05284 13652 74708 83780 63964 45916 21857 32157 33259 69065  
44298 24599 37952 13537 68409 17119 24609 19054 54608 17681  
87564 41167 55437 80456 22600 09878 25203 00998 04002 81049  
51198 41990 11227 03477 48964 24577 08533 24906 60740 63159  
00000

**11159/9188/7669 kHz, 21-07, 0700/0710/0720 UTC**

11166 70202 78932 21053 00049 00000 00000 00000 00000

**11159/9188/7669 kHz, 24-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 24-07, 1200/1210/1220 UTC**

11166 70202 95671 21064 02339  
15448 24236 75134 04375 49148 15028 25214 58711 57217 20813  
98803 37403 41416 80543 16431 46874 27775 68974 49891 11216  
37314 69019 77785 18618 61942 69984 70447 14776 75218 40121  
46460 54194 32659 46936 67934 45355 41293 23684 66750 50657  
03130 05498 18937 27087 62256 83580 09395 18545 10221 50904  
54123 35771 29412 37844 72167 84806 79112 61199 24454 29927  
53915 35028 61708 01985 69192 16730 48646 88100 53300 86828  
56614 63642 51209 85881 41884 52419 69253 56949 51771 26045  
15669 67079 25777 78393 16635 06220 83939 36089 12481 87024  
19573 90974 63756 93961 38595 65482 21860 55187 12619 46858  
43898 35604 38009 51170 56473 74550 18072 03038 98086 16556  
10588 42021 94838 08602 07859 91611 49118 62320 41459 51753  
45972 04575 28889 00837 06831 64858 04304 18112 45289 72940  
00514 62434 04628 65212 74445 68305 81751 23153 93239 45139  
67251 92368 23188 90677 56262 55635 88685 54513 09808 58377  
93394 12643 71322 10031 20797 38994 68037 09719 56332 84863  
51919 69685 98305 02200 59841 34918 49751 71678 97684 22398  
08441 21487 78053 28417 97223 47785 66286 77405 01889 72752  
14463 10689 08729 01171 88078 38633 59006 61488 15089 04604  
62491 42285 12002 34179 37280 60089 66705 68049 68063 19478  
82729 02059 00039 51403 14611 82795 10662 40675 49067 32202  
26410 78540 11655 99613 76756 01307 03603 64687 02538 00924  
98510 39639 60903 18491 53599 44240 94037 56596 15197 51997  
53832 64231 00000

**11159/9188/7669 kHz, 25-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 25-07, 1200/1210/1220 UTC**

11166 70202 16352 24065 02039

79725 01497 84443 06330 43468 40158 38987 07018 75410 07216  
97583 59749 89559 83318 96002 87205 93051 23263 99845 76452  
83861 21075 59318 39398 60232 54408 36113 98279 01439 74408  
85492 98021 43751 86210 18141 28792 88869 03953 54502 40227  
83007 16527 41586 73731 97150 65642 30878 87226 69035 21718  
89202 89964 09180 69461 72755 81099 01927 09228 00203 14222  
35673 86652 55026 77180 25223 55435 59953 35043 65836 95168  
38016 25901 17860 86145 11690 37702 33952 45493 52054 98315  
22014 17433 78032 50078 40272 49366 88577 21620 43999 50400  
93495 21723 23831 50270 83728 01224 64365 62553 52920 73368  
08873 40456 10752 53934 14258 07815 57542 21475 48632 41026  
18993 72876 33602 44776 55459 76851 57624 20556 70901 04643  
48167 26970 69980 71025 44566 73567 32073 75440 63001 22277  
27308 22494 80539 93199 58011 81658 71048 81945 59932 55985  
62773 87731 88744 64088 52174 63142 33391 13829 56068 60791  
13732 86439 82422 24390 76737 42823 58756 86183 51471 64618  
37494 19195 34663 09621 10148 10743 79322 44493 96867 57422  
96762 19680 09596 75486 90741 75015 16984 62743 04452 13726  
79273 43970 32509 33905 10384 60898 75937 21836 91213 94594  
99608 63018 74690 34716 94939 88095 22759 86477 09220 43425  
80925 65201 00000

11166 70202 91743 24066 01539

43089 56520 53171 99339 65557 18629 07056 03561 14536 24322  
23932 07996 52505 76874 30472 34411 00145 19073 91274 36168  
97763 14300 16182 31979 16025 63691 27472 86413 67104 07689  
51338 20424 59035 75564 79262 36022 89394 21498 70820 54370  
98615 03430 77961 83925 65546 41736 38735 89043 68765 16340  
08794 58922 51223 53571 21651 81060 97771 23182 28179 75024  
76223 95930 90517 33993 65934 98676 81668 49443 51174 81551  
80527 16580 30013 07077 27763 13827 38294 71239 34557 54785  
14783 73175 99216 19469 76631 23040 48385 08173 80758 33886  
66432 11033 30267 89444 00578 04869 04055 89904 36644 99222  
81349 85257 81759 60733 43030 73069 69685 65242 49279 61286  
79636 04734 63977 67309 16230 39953 97777 65955 57416 75143  
88459 56684 17414 20940 09638 75303 48860 41043 73669 04924  
93729 17763 28048 68883 28660 21625 11117 39727 08013 20475  
93234 65895 60020 63433 42126 98497 21033 78774 71384 70822  
31998 66151 00000

**11159/9188/7669 kHz, 26-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 26-07, 1200/1210/1220 UTC**

11166 70202 98562 25067 02519

37955 52418 91337 21504 79147 93246 33220 12166 30009 15355  
00595 34422 47695 84605 17484 85582 30070 23845 25278 69349  
67043 73484 28052 08698 85016 25587 35517 78006 04501 94430  
30526 05728 34063 81585 85630 88780 48221 61619 49884 60862  
09070 39066 34543 95771 21185 31371 36622 06060 37149 10334  
86952 24463 59048 39083 02111 18653 55667 25379 80867 02121  
91106 85726 09379 56709 60289 01178 10030 33588 99999 02328  
10930 32380 13780 90172 61690 36388 72525 09066 59739 17858  
26199 90780 95492 66946 90292 30504 91501 05120 69009 61212  
45652 95997 07011 04803 74157 61121 73960 98091 75605 14172  
49080 46953 21111 07887 79463 54054 13889 45087 28208 40700  
32139 46938 64590 96553 49822 22025 85670 21424 00165 22885  
19901 35560 05269 23623 04372 45452 25370 83635 57665 33640  
77012 87450 02061 90968 75544 45722 26199 78345 77356 91233  
76324 57900 51175 80237 50270 44615 31252 55787 03747 81741  
42062 84274 08362 99934 82244 02863 24549 21400 85390 37973  
44197 31348 64224 16558 91291 85806 88241 13730 07180 53088

22108 08559 91422 26008 64340 79320 27205 89322 71309 44842  
00884 60625 61461 29660 82936 96672 64078 67325 11653 32302  
36675 25684 79947 74276 42208 61216 25491 72607 84669 80361  
16670 92717 69209 43553 57528 41891 19060 06279 66484 52184  
28734 26456 42571 03803 61987 25820 57641 58173 53668 73012  
17729 05716 14263 75536 21519 49624 56102 06188 23653 97395  
73512 37726 74558 87005 87976 78095 93861 90123 97066 53663  
06563 94536 26525 16379 88708 38574 06975 16861 06701 67249  
00000

**11159/9188/7669 kHz, 27-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 27-07, 1200/1210/1220 UTC**

11166 70202 86703 26068 01999  
29072 68638 42290 04695 26319 26689 36422 54532 56279 83104  
39594 20708 65086 80001 89039 69688 12301 48217 58766 49767  
95897 43217 48238 28455 79317 06288 82697 03710 47105 18198  
04127 66168 71225 89663 02197 62644 61012 52459 73931 45999  
11810 47832 55594 70671 40029 11843 77124 85720 05209 03127  
14365 46993 83980 19800 32732 03272 74227 82518 08665 75780  
38266 36779 08965 77346 19554 67437 89894 44902 01100 58924  
78978 85432 36997 17140 18031 31149 97652 80378 11893 82917  
57448 47586 09893 37520 04341 03333 50932 48699 22576 74716  
89188 30261 07256 42068 48814 84573 56686 13724 10775 18116  
25010 57015 37320 91231 77952 92183 74624 82341 83850 66711  
79190 64268 91927 28049 01420 42445 26923 93654 93021 42655  
06203 48439 12844 23608 48655 22541 00512 15636 75151 72522  
07944 26610 28470 33278 10276 28749 42352 89229 85117 00571  
89641 70772 01969 27727 20545 80299 06930 79873 56649 84268  
61910 89429 99907 99617 04194 31304 31510 65959 13471 12422  
78950 89336 25564 09137 68358 31533 76913 43959 73305 81481  
51305 78280 20121 89875 58099 48821 75445 27542 96562 03874  
83659 32574 34770 62306 87837 98877 38377 69219 82867 23205  
85019 28329 34111 02472 52247 97261 77858 68197 00000

11166 70202 62935 26069 02219  
82917 44249 24480 91473 52079 42864 43271 14569 39430 08561  
20397 77592 41094 33074 10380 56313 79492 45033 99788 00623  
44681 28269 37579 91782 51604 46562 24625 57950 45767 88670  
50324 12283 88908 37005 87489 43472 59232 57365 64203 80114  
05963 33433 34173 15232 91012 76970 43288 55303 84125 22748  
73499 85459 89902 06299 96353 96211 87019 58016 86298 89034  
21990 71685 06758 53955 74969 05518 65641 36779 90318 61307  
00074 48407 87701 94303 90514 57153 88137 42406 56755 00582  
50477 75041 04858 44807 97815 01120 56689 31529 71640 93318  
50488 71133 72789 07095 71992 67577 26423 30208 22654 48503  
89631 63621 55653 82312 81704 05300 49882 71922 53250 56826  
38435 57002 81706 76186 58887 37219 51333 49983 82020 74188  
83328 26233 61049 86047 72895 35562 45075 64442 61091 84251  
29282 02058 77883 68514 80519 19352 89937 23920 68503 38590  
66534 25837 52303 28705 26639 85091 41159 62517 54933 29794  
28132 86967 62780 82932 73015 12493 62820 13980 26586 00272  
13867 73046 21369 24140 25235 69043 23034 62097 49853 85608  
09509 04437 24397 54060 34354 48386 87856 74096 33730 40991  
33453 53275 71351 05778 63299 89873 41917 73403 25078 43099  
91705 84809 12349 25385 80674 79130 03635 06416 58830 32885  
43817 99215 20175 15210 32972 67423 49738 64374 06830 43202  
82328 51605 86501 06110 27840 33845 81846 80314 60058 69219  
00000

**11159/9188/7669 kHz, 28-07, 0700/0710/0720 UTC**

11166 70202 59624 28043 00049 00000 00000 00000 00000



**11159/9188/7669 kHz, 31-07, 0700/0710/0720 UTC**

**10629/8138/6774 kHz, 31-07, 1200/1210/1220 UTC**

11166 70202 65741 28076 02439

88884 78965 95118 04085 12094 04011 27748 16242 77999 59422  
35688 17678 30467 31297 58285 24427 21224 11070 91657 86789  
25291 66383 11791 48534 55712 08540 80533 20639 51056 23715  
70448 49286 34101 60140 69440 82770 65142 88420 51115 67027  
38380 77188 21796 24457 94802 51275 80129 95743 50010 24595  
50242 49343 60418 24912 74358 88340 76284 52703 75829 09349  
54978 41279 28513 93161 32952 10372 93438 31813 79831 30355  
08692 21767 83081 39312 43464 77895 36672 80107 52194 47952  
32181 49676 89748 32222 75785 77703 73571 38027 79560 76888  
03752 23789 00538 31973 76929 12332 25954 19735 54991 78103  
28123 77117 74488 38016 37385 59698 07715 00587 06549 57672  
11383 53062 65283 61543 23834 91224 87882 94715 96720 21557  
22852 55154 72100 90459 57742 33332 40881 20212 17684 98618  
43540 56345 21040 71322 99078 56145 40633 22563 73128 72940  
43973 69163 21160 15896 10927 55743 67722 89961 52265 41219  
07661 45704 77533 31875 40239 93676 85661 28206 72113 63031  
76782 77723 50089 09058 08668 50896 09599 99332 46232 82435  
49848 33177 77545 45085 71550 74085 94781 48131 38197 99855  
63550 77799 46810 00057 29041 21735 19093 75564 32428 44756  
48935 19829 35953 08062 67202 86568 80154 49080 09748 73575  
21650 64156 99581 77326 24929 61257 79144 98079 06582 74877  
53606 00144 55415 60350 31149 57014 76876 09731 71148 36063  
35235 56457 76215 02460 91958 60960 89009 47020 63709 94425  
79786 67677 48418 62880 35598 59237 92850 38808 87094 91137  
00125 76241 00000

Link 80214

**16127/12229/9958 kHz, 13-07, 1310/1330/1350 UTC**

11166 80214 79462 13035 00049 00000 00000 00000 00000

**16127/12229/9958 kHz, 20-07, 1310/1330/1350 UTC**

11166 80214 54821 20075 00049 00000 00000 00000 00000

**16127/12229/9958 kHz, 27-07, 1310/1330/1350 UTC**

11166 80214 75391 27083 00049 00000 00000 00000 00000

F06a – FSK 200/1000

12214/11153/10332 kHz, 01-07, 0600/0615/0630 UTC File 04419 (binary contents)

20165/16344/10794 kHz, 01-07/02-07, 2100/2115/2130 UTC File 04478 (binary contents)

20165/16344/10794 kHz, 08-07/09-07, 2100/2115/2130 UTC File 04479 (binary contents)

20165/16344/10794 kHz, 15-07/16-07, 2100/2115/2130 UTC File 04480 (binary contents)

20165/16344/10794 kHz, 22-07, 2100/2115/2130 UTC Wrong 500Hz shift

20165/16344/10794 kHz, 23-07, 2100/2115/2130 UTC File 04481 (binary contents)

20165/16344/10794 kHz, 29-07/30-07, 2100/2115/2130 UTC File 04482 (binary contents)

4923/5875/7483 kHz, 06-07/07-07, 0400/0415/0430 UTC File 44487 (binary contents)

4923/5875/7483 kHz, 13-07/14-07, 0400/0415/0430 UTC File 44488 (binary contents)

4923/5875/7483 kHz, 20-07/21-07, 0400/0415/0430 UTC File 44489 (binary contents)

4923/5875/7483 kHz, 27-07/28-07, 0400/0415/0430 UTC File 44490 (binary contents)

The following F06a logs and notes come from PY/Priyom.

Link 80159

14642/12133/9241 kHz, 11-07, 1520/1530/1540 UTC. File 80159~1.TXT (2028 bytes)

11100 80159 39620 09142 03289
NWWLE GTMOE QGSBB KBYSU TNFBM OUCAL XUJVD EDNYS ENQLU BNPIC
UFFAI NFAVJ XHEJD FPMOM DATSD KYNDN JYLUS IOWWC IKRAQ AXPHE
OBIUB OHCMF SAQVY GVIHX NTRVW WFQVG JFRJR QWTCJ WKQOA IBLVY
WJMCI GLWFT VTKCI TKCRA JVVHR FDNNT PLUDP VCWHS KMTFE KIVPU
GXOCD OFPNA OUOFJ ECYSX MTGNH DQHII MPPDA HQVCY PTPNY VDONG
HHJEO BCMEC NGFHJ CTRLG RBTGH FMEKK WLXVF RSYQT GMURA TLIPF
URXHE LOMQG TWNGQ EQWRP KUUMQ BCADI DQATG NWPQG LFRIF JDSHW
VAQAV MDXRC DKSPN VNJXQ BUQOP ACKWV XRDSN DUEDB CEOXL OXFW
FUMSO WBSLY DQNVV WDKHM BLNLW GGTIQ HTKUY XGBOC ANVAF RKFLD
DUWGH GAORK GNFGH VUSGB ROHOX SEGWY HTOUK WRXED GIVQA EJOMP
WDYMH OULTH KCLQY MXXAY BCCHJ VEYBA UNBSA QCWVN OEMYO FBDLE
QWQND YDPRQ SSXSI MJWEW DHEBE RDATL OPXIM NCRQG EROSC TWHQB
LVLJS UYUOA IJOLE WHDMT HPPJS MYNOE MEEYL VDWOX FPGEI BULJH
MGCKO HEVJG WINHA NMIMP SRGSG OLBFU HXEBV XEVVE MLWHK NAQTT
RWJNT QIMBH TWBYG WPHBW MHRBI QUCQK COBJM BSEVE ARXRB EHINE
GVULQ FRIJH SXEXC KFRBN GITND HCJOT WAKVJ JHLXJ WMNDL WLBEN
MLLUL GVWHG EKFBG KPEUR TAYEP CEJXC NGQAL YUJNQ HOYHC CVSWN
QCNTK UAPFB KXYCD UQKFU RYYYM IFQXR LMPDD HXBDQ JMXSQ VIXQY
SOUFS AEELC RNKOQ SFMHN SACAS KHWPW HAYVK UGGCJ WIIFU TYAYJ
GCALR WCNDG DOSCG CAJSF DHQAO GNMEM IHRLO REBOH WKBLK CPXFM
QJACB NRSKP AYURH QILIJ TTUNI JYNGN NWWBD TMAJI CMOQO HYPQJ
SOJQO HWPJF IANIT SRGOE YGGXD AKYOL HASDJ CRAMX UUVNW SYQQD
AMFIG EIUSV WGJXJ JTLTM UPSHO FEYOC SXRFL ANVYH REUIL PMLTJ
EFJHW GSSAC CHJYP DMEHF FUYMG XJNUK RKREQ CIMAX BEIKX KWYQM
STKGY MCLMB PYXSS YAOGH YVYKN PIFUW TYVPP SQCGK MODWF FCUQU
FEPUK CJXLF VAGLO GOQRJ QGMJF OEMFJ SGAAQ FBMWL TBNXY CSQQU
JRHRX SPHSV XAFWS YLSQA MCPEN DIVBG WJPOC JQVSG YHQA BRPBG
XEYWC VTQGE CVYSA RACYX VKYNI TYOMT CVOOO QBGFJ CAJUY QSYCR
NAVMC AKKSU YQTTJ TVHDI XTWAH XAGRO JDIHO DUTUG VMHSC NCOVO
QVGBB JBJRX HUTJV RMUPS ALUUU VOUNS WGUKO EOUVW SLSGL NWGVT
IAVA LEFLM MDSBL LKSYR TOFWT OKUQV TCTUH UQMJG NPSSO PIFMB
EWRAL QUTRK SLASA DWIWM NVIND OXOWU QEUYM FYMWX LQDUE LCWIV
SMDCX SNSTM HEUUU XWSPL TLYTG UOUKK PNCXW

Link 40144

11422/????/7661 kHz, 20-07, 1620/1630/1640 UTC. File 40144~1.TXT (2153 bytes).

11100 40144 74185 16156 03489
UQLSH VYQOK FWNWV JYOJF DUVBE HAMJE OWVCL SNOEW YETMB ITTXV
IHIES QNRNM DDFIH MKDMC JOHXP RDCLJ AEYJP STKYI POUYB ETMWS
\_\_\_\_\_ \_UV GFITA BTRPY PDHHL YVMOQ QGRQD HNJTU SBFFI
SJWVF LQYGN UJHHF RGLSU FRUKQ OCNGE ONXUK QNFGU XINBW OAWYO
WFRNX UUKPP MRFDX WYHCW NYLEU XMSLX ROSVT YXTHK AYLUV UMQTF
KQRDX EADEJ YVRHX CFNKH FKAJI EESTH NAXTG CDMUN QRYPJ XVJSR
IFQDN ISARM CLPOD NEJSW XRBLQ WMYKJ ACDLG CRYVE VDBBC WNJVQ
\_\_\_\_\_ \_ JPEPR YMFTR CBHNB FDNFD IYCVC
SKQNI MPXLW YDRIC DNYNV QIQWF LNTRB CHLCH GXOUS QQDGM QLJBV
WRHDB KUCVP UHDFK DOIVG SXRHP THWPN QVUNF RNWLW YWQM\_ \_\_\_\_\_
\_\_\_\_\_ \_CMKJ ULYTO OXWJT \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_ARAY
EXURW CXDKY ASLKQ HSQWA FA\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ BKJAO VQXAC OMBQQ
HQDTK KCOVE NGIWI UJIEU DCMRH \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
CVOAU WPEOL LEDQA JYVHH TUWYF GVLCP NSBWC TWVKD QVCEK JTTEH
JJDHI FNRDH UQAVY MSQRF LOWKC AKHHC UDSYH QMHDG JYP\_\_\_\_\_ \_\_\_\_\_
\_\_\_\_\_ \_T PCPVX VDMOA TRWRB SDVAE AWLHJ PONEM
VUMLA WMOIG FJGGY ATFKD P\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ HBIGP QDSGD RCS\_\_\_\_\_
\_\_\_\_\_ \_D OLCAO QAMAP NJJHR HEBIN DGWDF
LAPLS AKJPM FXT\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_EFGH NGGFN JDWRS LUABJ VFPMO
RK\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_TIU FIWXQ
LCHVK BGXJT MPTAW PYRCW OHGJT IGNJA JEVNV EDRDI YPVYR BEOWG
TOXMN HUBBQ LMGOU HQFST IXHYO VBDMX SFNYS MGTBX VEDHT GQ\_\_\_\_\_
\_\_\_\_\_ \_UMVLH HSTDH TDPJW UFWIY PIABA ABYUP HMJLH DWWAS
RIHLA AFVHP MRCPL QYUTT AOKAR ETNGF CSFCE LDNI\_\_\_\_\_ \_\_\_\_\_
\_LXHP XOOOE ISVES PCKNV LICBW NSGOS FNDUE SEBBQ R\_\_\_\_\_ \_\_\_\_\_
MYIDX P\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ NN JFIRU FYFRQ EVQJS

HXNIU NYPLH IXYJD SFDBW RSKTA AVDFQ EPQWA QQTID LRAEG VMORC  
 RAGMV YCVBH KITEF CYLAG ORBIY YLFEM QKVPL FEPWB AVRTRM JCNTN  
 CISNV SDCTM ULAM \_\_\_\_\_ AIVSW AKAXA  
 UXXGH EYRNO AUQRV DDTVY QAJYT FTDOR IOIKU BRVAC CRLHR IEVMJ  
 YASUR \_\_\_\_\_ P EAJSX HMLOI YR \_\_\_\_\_ WVYPX  
 CDHJF TTLQU LHPTL CDCTD R \_\_\_\_\_ YU  
 SJPXH BVLIS YIRIB RFVNE INPLD YJUJC UAWCQ IANRW PBOVD VFQEQ  
 EDCJT JTMOP LPTAQ XNHXW GINGG SGTHD KGTMH

Link 00173

**10316/12219/14652 kHz, 24-06, 0800/0810/0820 UTC. File 00173-~3.TXT (1865 bytes)**

11100 00173 15963 24144 03019  
 IJVXG SFIUH BHKPU LYNHB KKCKR OCMGG XGVFH EYRDM RTKDT GYXKK  
 LUDOR UBULE WSWJS FMWPY BSXRE HULGU WXAFG XVWSU WMMVF IKEQK  
 GTMOO WNVCF MOTEX KUKSL QLECI AGLVA DEJIT ISTHK DVXWG OINFY  
 GWQHM DRAMJ TYHRU TYFQO RGHFY UYPIX GLCOV QRIOD TDLKK MUEWF  
 TDMBW MIUJB XYDRS SNLAA XEFYU YVGYO CDOAB GBMYP KUIBK KKHXX  
 GCRHD OMKAR JYYRT ODSVI DFTCP SBJCC QXTAN EEXRT GQJIQ IETCA  
 GQHAT FYOKG NVHDK VVVFH GFYUO NAKTG SGBNG TITMG HRGXR SLGEY  
 JIREQ PWLSB RMLBB MAMAL KOTFN TRGVK VLCYF GQRFW EGCNC QUNXN  
 BHWHK KLKXX WDPUC MNHKG RQOTL GCXWB MOHKD KDTVW AQOSQ XGNGC  
 MMTJV GFBIH QAPSF FJUJR GXWAG FAFVA YKGSE SSEDV FRKSI GAFWP  
 LPAFN IVCSL HEWEH IAKSU XPRRJ YAWKG VAWVH DOQVK RXJQE ECRVY  
 AHPWF LOAGP WHPDY RXBRQ FXQJD JVFDD RWRNG JTRYO BTLNJ IPLPY  
 WSJVH XSONI AUSRM IBBVQ MTLBV HMYBI RXFCI ADIUU MUGVU UYGKQ  
 KHUFK KJFHM AKKPU MQWPN EAPAL EXPLT VPYAO AEEBB CLLWR QAMHJ  
 CEVKM QEPPK YDACP VIQEA LVFMW UFMIH UDTFE PIOBB TOJJR WUKNC  
 BWXTA GCELH JWHFU CULXT RMPHI KTORW KTJDH GXNIY RFVVG LDROD  
 TNSYW TDBJI UCFOW JEVHD ECXCQ OUBSK OHYIV PPFYU SEGGA TONRJ  
 OBQMW SWCOY HAHSH TRRFQ TCDRQ KVGXS RVEFD XEPQD QPOTI QDTWK  
 OEDDD GCAMD XFQNM TKFAF IDQBC KQQNJ GFVUN XJXGD UFYHR TBVRC  
 NQHHT XJBLN EUKNS NDLOL GKJNW KNFHR LGOBF LQJQJ EMJPD WFFYJ  
 QIUDT SDGPR RPSIQ GUFLE GKOBK KDWQT SESQB BKWFR WFTYV YGYXS  
 WSHRP CWDEE WYXHY HTOPL BYBAB IMQKR QCEXU EOSBT COBQU WRWCS  
 QKTTL NBDVW BUBWA HQIYM LRPWT NKAJQ UYODU WBJIC LFMNM NQWRA  
 OFPJO BYHOL RODMJ MVQJL LVDYF UJBWJ OOMBR MUBYN TYJJV YAVTO  
 RSAGF NJNIH YBWTM MNWDX PWJYH IGQEW UPWLP CKFGI ASQQC WSIMS  
 KWXLW WMPCL OWLXL DVJUH OTJMH QPPNS SHNEN AXUFA SUTNK EOJIC  
 VAVCH MRAQB LDXCI AGSJS SYARF WSEAA SIKMH MBJEG JWYJN TTVLL  
 ENNSF RGOPC FESHK XAYVJ PMUCQ OKISD UNLUF DGBCO QOHBX FKJRI  
 CMIMV FMDIU EKKGF AMULL WLOJX DDKNV YEKLG NKFPX NOBIS WCMHB  
 SFPCN TLCXI OJCYM QTLCN MAYCH NQQNJ QWMHF WUHXT CKFVE BEFUR

Logged by qsr711. Note from PY.

Note how the filename appears as 00173-~3.TXT instead of 00173-~1.TXT normally. This 8.3 short name format emulation is typically used by old DOS software which only understand that old format. 00173-~3.TXT would mean that this is the 3rd file in that directory whose real, long name starts with "00173-" and ends in ".txt". Makes you wonder what other telegram copies they had in that folder.

Link 10053

**12227/14423/16283 kHz, 25-07, 1030/1040/1050 UTC. File 10053-~1.TXT (2040 bytes).**

11100 10053 71824 23156 03309  
 ILSTG EMMDE LIKKP QPJEL UGIPY ODOVO HHUAY JASHP PAUFA OWPAL  
 QLDSI JNKLL QOBQF MMLAW XNGET IPPSQ RJNYX AOMIW RTOEN GPIKQ  
 NTCRJ ETADB DQDLN LSLFQ VQMPX XVWIE NSUMX JDNMG CAYWC FXMBK  
 VJJNI DFXDT BAHBP GVXKM QUJFY AOPUY KLIGV UTCIY IQPFS OQJTP  
 VEFBM VVHUX TVIDB RCUFI MIHQG KNWUF YPUME DKTDI KRBLJ EREQC  
 APQVT JIQBG XGCCO GSWRK GFEVP EDGJC VDSJI AKXNF HJHAF EYAHV  
 ISOLD PYQFG NSRDY SNUST VSVHF DRWUF FGUIH CQOIS EAELD FNNWW  
 EXMGA FDGLH MCEYH JNNHP NLQOI LQHJH JLAUX YRMKE QJHRX SGNHR  
 YWBCH AXYSY NGQFM GXQKT JSWAE YIUVD MXVBB DTJWD LEGJS NPQME  
 IVMVG CYQLG PBWBG XEERX RBSYV HGIMR XUISF OAMFG LVRTE HVRXC  
 UYFTG QVIID VRTGV PXXBY DFQBT IXJQX HYTVP IKIWP QAOIU KBYCD  
 MGWRN AWIOL TMYBI ANQLU TVIOH REOOI GIXBG TPNUY LESNH VEBYS  
 IWIMC DMLFI WPTXH AVJSG RAVPG PEACL JJTBR RAKQO LOATG HXRBC  
 RJEUW GHNFI UALKH QBJWV CPVPP CFWOR XNNWN HOBGM SCDLL QDWRB  
 XLAMN BAXDG IMMAK LLYTN GAMKU OXTHU EBVRN QWTDG PATOH SPLFY  
 JMNWD VSIWN PGBHW RQXPA OCEXT HURPA NWAII HTBQS NNRVC LVGFQ

QIPGK SQCGT AURAH TXSEW KUTIT FGXYN COERB TYHBF NOLKN DRDXY  
UOWSQ MYOMV CMWXR GLBKO CYKRV YHQNB WEUGY TSOED BXMMD IWPYS  
JOFOJ JFJTN DQWUV ONEWX YVGRY PJAUQ KRMJH FQTQF KKOP I RHDLI  
LATPN JYJVL ROEAL EOYHX LUYHY YVXEW QSEES ANTGA VRDXI WXGRA  
BOCDV AEFJY CXCXB RSMYO GFMHV NQVPW SHNKB WYTAH CQKOR NOWNL  
SBUJT DXQLM ENBVA WDMQL GPLAY JKGQX MXUFJ JPPSU STJQM OOHCB  
VNKCD NKBHU NAXXL TVRTO VTERX UGKCT AJYYB BDXXL HDVFS GXDQJ  
YIDUA OPQXF FFXYA LMFJS JUJQC RRLQK UCTPR KEVEU MSFLD BKCBU  
JGEJQ SJJIA GLRBQ PXKFF KJITI CCNCR VNWIO RCEUI XFLSJ AYAMY  
JODXF AKNHB POYOH QGNUM GKMEC MHKXX IOMBD NICFB KYYP I KXQQU  
VAEOW SGRLD RXQBA VGFER DTJGQ JUEHB VRHBR QQSYW LTHYV OBNJC  
RIIPB QSVBI HXMMH YCJDR QMHKQ PQOKS HIFNW GPPT R TUYQY TXHFO  
LCRNO TORDV MKXGM TLIHH UFJAT YFHIN FWLCQ SHATP KPJRE EPLOF  
LMLDI TGXVA RJPYT VGMDC VFDHQ UYMCA NERUT VWLJW EBDMJ LWEHA  
DKFUY PSHES TSIQ LKJFT HOAUV RVXWV WEYWI BBUNW SNAXU IDJME  
KXKAY VBVTU SKBLT FJFQF RMRLK VMDDF RKKPK NEYYW GDGGE DFLOW  
JRLFX HCPT E RJETC XIVMB UWTVN NOEJJ XEBGR KLVLL QVCWN

**12192/11415/10311 kHz, 29-07, 0600/0615/0630 UTC**

File 40420 (2288 bytes, binary contents)

Link 70202

We found F06a transmissions with an exceptionally large payload of 323 blocks: it was so big that it challenged the time constraints of F06 transmission procedures.

**11123 kHz, 28-07, 1700 UTC**

323 blocks, 2 msgs, files 44470 (2531 bytes) and ???

Known test frequency, but no follow-up transmissions found. It took 7m47s to send the whole 323 blocks just once, and then the transmission ended there without looping the contents at all as it normally does.

10688/9068/6958 kHz, 28-07, 1800/1815/1830 UTC

323 blocks, 2 msgs, files 44470 (2531 bytes) and 44471 (2243 bytes)

Known mixed test cycles frequencies, except all shifted up by 1kHz.

15 minutes isn't enough time to send 323 blocks even just twice, so all transmissions were ended short at the 13-minute mark, in the middle of the second pass.

The 1800z transmission sent blocks #0 through #309 then paused its modulation at 7m27s, before restarting and sending blocks #0 through #226 until the 13-minute mark.

The 1815z transmission started 42s late and sent the full blocks #0 through #322 (until the 8m30s mark); then instead of normally looping back to block #0, it stopped its modulation for a second then restarted, from block #0 to #186 where it reached the 13-minute mark and stopped.

The 1830z transmission started on time and sent the full blocks #0 through #322, taking 7m47s, then again instead of looping stopped briefly its modulation and restarted, to send blocks #0 to #216 before reaching the 13-minute mark and stopping.

The messages were a repeat of the 1700z transmission. Both files started with [CR][LF][CR][LF][CR][LF] new lines, followed by binary contents.

Actually there were some more transmissions on July 29th and 30th, featuring even bigger payloads. It seems that the operators figured it out, as all transmissions correctly followed the same procedure this time: a first full pass with all the blocks sent just once, then instead of looping directly, a brief pause in the modulation then restarting with a second pass, cut off before its end when the transmission reached the 13-minute mark. The exact number of blocks sent in the second pass varied slightly depending on the transmission's timing.

Notably, we can observe that they start with 444 (for binary content) instead of 111 (for 5FG/5LG text); they purport real traffic (66) rather than just training (00); we can recognize a well-known link ID 70202; we get a confirmation that the numbers appearing in the file names after 444 are indeed the message serial numbers; and we can see a group count of 0, presumably because there are no groups, but some other kind of binary encoding / encryption.

Sending blocks #0 through #359 would take 8m40s.

Both files were binary but contained an ASCII 5-group header in the usual format! Both files started with a gratuitous [CR][LF] new line (usual with F06a text telegrams), then the 5-group header, followed by 5 more [CR][LF] new lines, and then binary contents for the rest the file. The headers were as follows:

File 44472: 44466 70202 74125 28072 00009 and

File 44473: 44466 70202 79462 28073 00009

**11123 kHz, 29-07, 1700 UTC**

**10688/9068/6958 kHz, 29-07, 1800/1815/1830 UTC**

360 blocks, file 44472 (2896 bytes) 44466 70202 74125 28072 00009 and file 44473 (2429 bytes) 44466 70202 79462 28073 00009

**11123 kHz, 30-07, 1700 UTC**

**10688/9068/6958 kHz, 30-07, 1800/1815/1830 UTC**

326 blocks, 2 msgs, files 44474 (2253 bytes) and 44475 (2560 bytes)

Sending blocks #0 through #325 would take 7m51s. Both files started with 3 [CR][LF] new lines, followed by binary contents.

qsr711 pointed out a few things and we believe that these transmissions are fully related to the weekdays F06 70202 schedule from Orenburg. First, qsr711 reports that Rivet had a hard time finding synchronization with the waveform, which is apparently characteristic of their transmissions from Orenburg. Then the filenames used a full 444 without 0, and the headers used 66 priority instead of 00, which suggests that this was not test traffic. Then, the **message serial numbers** correlate.

F06	id 70202	27-07	11166 70202 86703 26068 01999 and
F06	id 70202	27-07	11166 70202 62935 26069 02219
F06a	unid id	28-07	file 44470
F06a	unid id	28-07	file 44471
F06a	id 70202	29-07	file 44472 header 44466 70202 74125 28072 00009
F06a	id 70202	29-07	file 44473 header 44466 70202 79462 28073 00009
F06a	unid id	30-07	file 44474
F06a	unid id	30-07	file 44475
F06	id 70202	31-07	11166 70202 65741 28076 02439
F06	id 70202	01-08	11166 70202 85376 31077 01979
F06	id 70202	01-08	11166 70202 35241 31078 01799

## F02

16107 kHz, 04-07, 0700 UTC  
14918 kHz, 07-07, 0830 UTC  
16107 kHz, 11-07, 0700 UTC  
16107 kHz, 18-07, 0700 UTC  
14918 kHz, 21-07, 0830 UTC  
14918 kHz, 28-07, 0830 UTC

## F07

17436 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2000 UTC  
16348 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2010 UTC  
15968 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2020 UTC  
14852 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2030 UTC  
13961 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2040 UTC  
13373 kHz, 06-07/11-07/13-07/18-07/20-07/25-07/27-07, 2050 UTC

Test/exercise

10643 kHz, 19-07, 1210 UTC  
12153 kHz, 19-07, 1220 UTC. 20 blocks  
11431 kHz, 19-07, 1235 UTC, 20 blocks

## HM01 - Dirección General de Inteligencia

No HM01 transmissions were heard in July. We don't know if they still have technical problems. Maybe the station has been closed down.

### P07

9368 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1400 UTC  
8185 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1410 UTC  
7704 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1420 UTC  
6872 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1430 UTC  
5861 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1440 UTC  
5386 kHz, 05-07/09-07/12-07/16-07/19-07/23-07/26-07/30-07, 1450 UTC

### XPA1

#### 13368/12168/11168 kHz, 05-07/07-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1  
00235 00115 01085 87545 48839 06460 44154 10335 45669 89010  
84823 91238 18240 02081 56786 78283 81409 20870 00183 69455  
77815 12987 61498 67284 50347 55297 23498 27567 75415 02522  
76985 12781 76611 17467 26301 49647 43154 10201 08173 26151  
07256 49156 62321 13900 10968 81172 93497 72458 18433 77849  
75259 65242 30479 54060 19075 08470 48380 07117 66686 48395  
39408 55433 67868 18291 21868 77527 09771 90531 74318 57824  
30738 44552 58710 22144 25521 91659 62330 70195 77692 95277  
39641 37182 18244 33711 34376 40663 17225 43490 48316 22711  
73363 64102 11903 17019 51955 38140 50854 15429 87719 83923  
89000 17563 71211 46950 45298 08482 74816 24424 74068 89771  
16244 33023 38926 09796 45586 67386 62585 75257

#### 13368/12168/11168 kHz, 12-07, 1210/1230/1250 UTC

311 311 311 000  
08608 00001 00000 40260

#### 13368/12168/11168 kHz, 14-07, 1210/1230/1250 UTC

311 311 311 000  
08546 00001 00000 36664

#### 13368/12168/11168 kHz, 19-07/21-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1  
01356 00110 18187 24170 77231 27927 94351 79284 05647 48211  
02794 28563 49778 32314 84820 31501 41871 67882 02378 92682  
15477 06605 65643 03043 20582 80765 11655 79897 33989 21641  
09576 29782 30299 81997 51602 85665 86180 02969 66133 21779  
53157 58391 18649 07275 93901 61860 48090 42220 60971 01741  
85388 72123 45374 50281 97958 65239 06588 26955 60818 26256  
00301 58224 59930 73440 82489 33807 02598 89290 65566 60431  
38930 40276 02760 58721 03206 08008 36255 30778 97096 72063  
17182 15435 90084 14909 39882 86507 67774 33225 06383 45078  
00048 56434 52071 85245 87226 14401 11877 50684 30503 30139  
18161 19260 23272 54932 49214 21702 80921 66794 68627 70297  
85914 55202 63616

#### 13368/12168/11168 kHz, 26-07, 1210/1230/1250 UTC

311 311 311 000  
09663 00001 00000 35667

#### 13368/12168/11168 kHz, 28-07, 1210/1230/1250 UTC

311 311 311 000  
02226 00001 00000 35254

## XPA2

13445/12145/11545 kHz, 0910/0930/0950 UTC

### **13445/12145/11545 kHz, 01-07, 0910/0930/0950 UTC**

#### **01-07, 0910 UTC: One tone, then off**

00212 00125 40771 51078 31323 96589 46285 75630 96599 99928  
82201 51570 14698 58411 30816 58906 39944 06157 90171 27136  
26396 27791 92777 80433 55828 26677 47353 44486 56292 50956  
51682 99028 58968 14212 79214 33619 96654 73753 25831 10606  
12640 38115 32584 24061 74196 09105 90403 03548 58365 26658  
55400 56126 04688 27997 78468 20638 59768 53896 48695 98451  
91447 24864 93224 77622 61254 81137 86833 39941 09911 66570  
07546 93168 60447 09721 73031 81900 81311 50800 60240 91177  
21713 13185 09269 40581 79117 18524 00839 30169 20339 47728  
71059 60292 78152 96850 04761 99110 47921 56602 37998 53621  
79075 64771 16799 47319 30396 97957 06156 10093 45410 03452  
10889 75792 78049 85905 10210 75214 97574 84333 29222 68869  
94463 15381 89598 60483 52665 99121 24068 74134

### **13445/12145/11545 kHz, 06-07, 0910/0930/0950 UTC**

01346 00001 00000 35655

### **13445/12145/11545 kHz, 08-07, 0910/0930/0950 UTC**

09596 00001 00000 36672

### **13445/12145/11545 kHz, 13-07/15-07/20-07/22-07, 0910/0930/0950 UTC**

00164 00025 54488 18216 95667 03092 26627 69909 74281 92431  
51071 57074 92785 85362 42388 49487 72608 88297 91812 65677  
06534 20178 67114 36743 74882 40951 68741 20702

### **13445/12145/11545 kHz, 27-07, 0910/0930/0950 UTC**

05334 00001 00000 34660

### **13445/12145/11545 kHz, 29-07, 0910/0930/0950 UTC**

05583 00001 00000 35164

13954/12154/11454 kHz, 1500/1520/1540 UTC

### **13954/12154/11454 kHz, 01-07, 1500/1520/1540 UTC**

01993 00001 00000 37262

### **13954/12154/11454 kHz, 03-07, 1500/1520/1540 UTC**

00165 00198 62210 18437 48268 81722 60240 15658 34868 47967  
33806 44395 25506 90176 46589 35625 84289 06868 54698 14100  
83034 35427 43565 78870 17916 66046 24209 92883 59592 49785  
33110 84205 64295 35644 43781 64564 12132 70283 64399 94219  
05263 15948 23724 36355 71264 04180 71621 95081 47685 81153  
72612 50453 77593 78447 18831 16008 27434 45286 05358 53547  
89612 57377 09859 15447 70836 76001 38203 22865 68659 68238  
82125 22297 43248 77976 86067 80577 25106 54586 30360 26173  
90009 31030 31238 56627 18729 80407 96884 40659 89629 08213  
89442 08919 41077 26781 98849 17703 07223 66536 08378 09794  
14072 00581 40299 08811 69034 97676 62477 69987 69624 74099  
51956 93218 91171 13154 29256 18200 30871 37987 65266 33979  
78445 66089 24515 31836 31882 65633 90730 88004 68724 48933  
68516 66255 14534 60683 24187 28399 38955 19654 32881 31876  
86499 82086 19612 60608 31794 32434 34935 53018 30081 63468  
39190 53643 11699 76229 61099 13683 35190 65159 09453 31969  
36912 83492 15183 21306 46592 14691 60371 93409 40114 44745  
01761 26378 55913 34803 22312 00828 48143 95830 92218 75202  
04483 88998 74140 65963 36039 29123 10562 82312 30983 73010

84564 83738 22425 41178 78945 48198 31640 93540 10573 75418  
36470

**13954/12154/11454 kHz, 10-07, 1500/1520/1540 UTC**

08609 00001 00000 40660

**13954/12154/11454 kHz, 15-07, 1500/1520/1540 UTC**

06886 00001 00000 40266

**13954/12154/11454 kHz, 17-07/22-07, 1500/1520/1540 UTC**

01417 00243 35145 34791 02685 94460 79692 01891 01929 41375  
14685 90549 14443 73782 93626 79873 12038 05152 85047 39833  
73380 02489 53557 72656 96195 33659 74821 78745 12871 10434  
48230 99470 19150 36703 95180 30910 23154 85211 47712 87180  
12041 51683 44339 88028 82500 91055 74418 58077 83243 27711  
40415 69219 89484 26610 82106 44286 92088 82441 50195 77242  
45985 23205 65599 58325 46629 36367 73642 49335 34488 66191  
63919 90975 16035 17434 73015 40574 84608 40077 62758 62786  
29130 75135 74793 84774 93136 89030 73370 06623 68300 90241  
92560 38934 91035 15038 42923 01426 65742 52263 74105 87835  
74909 71602 79293 98579 91595 09580 67762 25613 95458 18102  
18705 82243 15060 98981 58993 92205 69016 94946 53300 04606  
73464 55010 65132 61659 18289 05718 57840 55064 55636 43705  
26626 16150 93364 63666 27401 89443 19423 56021 13460 72347  
74867 41004 98987 25329 77415 50071 13805 57794 80918 97362  
03742 45930 15274 83745 11627 79492 93201 81794 51474 15751  
57548 55256 43443 58852 65806 57069 08443 18461 41017 65209  
36618 71464 74398 55062 15614 01074 26068 98711 51655 93598  
81038 38509 22309 04662 10262 66819 56646 56795 40390 10211  
14448 38963 17318 67831 29262 02557 57647 13260 08681 86012  
28374 62816 20677 20437 03061 88369 85136 51651 40181 26884  
41803 97575 40299 51105 70201 65296 96926 17123 21028 58683  
65653 05814 81399 37155 80169 88699 08636 61064 25285 53591  
80511 29371 54308 32412 47544 16426 86093 68113 17938 29239  
31799 82482 76525 84902 44149 35603

**13954/12154/11454 kHz, 24-07, 1500/1520/1540 UTC**

02259 00001 00000 36657

**13954/12154/11454 kHz, 31-07, 1500/1520/1540 UTC**

02114 00255 71431 87688 42804 95435 63052 79137 73107 21705  
79731 08409 09104 72481 80107 49896 58575 30080 62813 85138  
27163 83687 48518 49667 97467 86969 25433 55745 62142 78423  
63996 31446 23023 49896 54417 03492 59222 35680 19703 35307  
63834 35437 80760 61264 26677 90263 83676 80126 66511 45427  
48879 55769 28528 26907 04847 72786 85947 67829 40797 80856  
04892 26725 61186 80301 88073 50712 10699 48957 32828 05594  
73537 25175 45178 25253 51791 66504 09416 72216 17137 15628  
60707 24829 50767 31262 38758 75184 55219 71719 72049 87975  
65793 59007 65213 02143 11034 19587 78189 73571 82800 36271  
85671 56683 40149 17979 40245 89385 34603 66452 09997 53842  
48449 73793 50760 44850 14100 01891 59732 12641 39397 14096  
87727 01207 12657 89459 31935 11401 57814 38519 55356 94643  
55035 97131 39722 52817 22997 76481 46696 18804 78253 88103  
38524 87927 14805 54182 22007 88846 44458 70916 95014 05251  
58472 65963 23048 31279 49337 84932 54633 66007 30142 95713  
96470 12366 50033 04483 10958 49813 46927 61065 41026 26008  
42750 54575 76692 74259 25213 03170 55347 46860 01130 40454  
45585 83019 52207 01647 10238 03731 71514 77346 51023 96640  
23802 17894 31337 78522 34691 41865 12836 16828 34585 23799  
34999 52617 70965 57957 35047 17308 69945 24939 66979 76563  
29432 04013 36116 90330 16518 49488 90393 38491 07400 54654  
49740 07906 78617 96290 93145 13724 41079 98283 25223 98111



47083 04804 92310 49734 74449 70436 45985 88468 03681 46480  
29806 99966 08532 50734 22118 32663 02529 18255 85723 79670  
41122 45895 12739 73869 80426 27706 75162 76050

13391/13891/14891 kHz, 0800/0820/0840 UTC

**13391/13891/14891 kHz, 02-07, 0800/0820/0840 UTC**

02718 00001 00000 40653

**13391/13891/14891 kHz, 07-07, 0800/0820/0840 UTC**

04896 00001 00000 40265

**13391/13891/14891 kHz, 09-07, 0800/0820/0840 UTC**

05206 00001 00000 35255

**13391/13891/14891 kHz, 14-07/16-07, 0800/0820/0840 UTC**

00322 00159 99956 52738 44302 65496 77867 52784 85035 44608  
62932 42833 30041 52017 97407 48098 66858 33874 17331 16229  
33542 26699 26552 84772 28149 59400 64450 64128 93972 74977  
39706 98192 00162 58440 60010 11667 34325 74882 67375 59554  
70406 81655 50867 82230 75186 81208 23819 69791 21134 18627  
64287 41214 61641 54250 34953 90039 25025 65620 52484 62352  
92427 72155 35585 02075 98414 16497 39837 04385 26139 94332  
35375 03067 33594 68976 84634 46668 70072 23325 14276 30653  
40632 38110 03916 53390 81463 05846 78258 28139 87206 00377  
80776 61109 92008 43055 38754 17801 91247 00227 43727 37272  
73746 69796 81596 49095 99348 91387 91713 99949 96746 80989  
72480 07273 82799 32979 11899 49919 71666 83652 56765 85423  
74743 23810 93063 04828 64280 71532 79255 64733 68146 50626  
99954 53047 79062 38808 90343 21215 68217 04388 50406 34948  
24236 06880 37396 66545 57719 73578 49816 49526 72553 70315  
66377 89606 53141 53186 75588 28153 56377 32198 38491 27417  
92608 51300

**13391/13891/14891 kHz, 21-07/23-07, 0800/0820/0840 UTC**

00466 00117 82836 67441 61205 27687 42989 74485 06883 93458  
86171 81368 05114 96367 37698 20534 99474 93689 46759 90884  
63139 55428 69063 90440 91494 48383 25714 12270 55062 55904  
89705 62391 45345 23656 63014 32110 16634 10672 40162 35514  
76334 41528 50471 55626 31756 09265 61625 86387 29903 58303  
08072 82331 13594 50582 56158 20919 55847 74690 71966 43865  
01480 83579 34289 21013 18650 16762 98781 57497 60561 51694  
22100 85552 94200 87193 48545 78907 44507 75411 09967 86903  
52039 56943 22142 42736 21317 45808 12485 72104 42530 57456  
88248 68797 72979 48766 13032 20563 72233 74480 72694 99647  
56470 95298 93339 53549 33408 69584 15684 71351 99663 82937  
69318 01572 58964 23642 97738 98281 87109 26805 69347 56147

**13391/13891/14891 kHz, 28-07, 0800/0820/0840 UTC**

04893 00001 00000 36665

**13391/13891/14891 kHz, 30-07, 0800/0820/0840 UTC**

02965 00001 00000 40260

13394/12194/10794 kHz, 2100/2120/2140 UTC

**13394/12194/10794 kHz, 02-07, 2100/2120/2140 UTC**

04063 00001 00000 32662

**13394/12194/10794 kHz, 11-07, 2100/2120/2140 UTC**

09384 00001 00000 34671

**13394/12194/10794 kHz, 16-07, 2100/2120/2140 UTC**

03172 00001 00000 32662

**13394/12194/10794 kHz, 18-07/23-07, 2100/2120/2140 UTC**

00157 00088 84072 69159 02349 73412 35286 04443 72118 15942  
11064 98550 53018 02988 91222 11234 18776 00297 32111 59295  
70992 68516 93814 22695 43227 72478 50022 35173 40357 49292  
12396 16409 55499 89328 52931 60756 07193 44525 78145 91283  
84414 53211 47089 89798 93532 46632 47233 13012 91335 47687  
44778 98595 27647 04574 60173 67228 04147 11594 32972 66208  
47203 95060 89936 60960 74608 50414 19547 70180 32250 79746  
95850 92667 18524 05112 61831 59017 75687 35473 19735 73163  
31035 71917 36907 85773 96292 49468 64342 34613 49071 59901  
43463

**13394/12194/10794 kHz, 25-07, 2100/2120/2140 UTC**

08636 00001 00000 37263

**13394/12194/10794 kHz, 30-07, 2100/2120/2140 UTC**

07411 00001 00000 33660

**12148/13448/13948 kHz, 0700/0720/0740 UTC**

**12148/13448/13948 kHz, 03-07/05-07, 0700/0720/0740 UTC**

00275 00110 39161 38164 21842 37982 42308 58348 21570 16263  
69215 86716 80868 88681 68013 95693 03717 48144 22533 29221  
16183 13296 25366 49302 54546 32745 33690 33013 93498 67895  
19131 10139 44862 06629 91216 57030 75208 51183 69901 60521  
63392 37950 84581 53197 16122 94150 49437 71603 86287 30648  
67846 12636 75735 31373 42045 56347 51883 38154 34607 27038  
55658 73085 61118 45354 04382 88543 49501 38615 90429 68674  
72529 43745 35269 23769 74006 47395 86331 76402 50835 83092  
34678 91859 82355 20457 14266 75867 13876 59558 93663 73336  
95670 52922 22113 85455 67967 53218 48704 41450 90965 00124  
48774 07011 28404 56049 19963 29158 12137 54150 60401 25870  
51109 28633 40102

**12148/13448/13948 kHz, 10-07, 0700/0720/0740 UTC**

08200 00001 00000 32260

**12148/13448/13948 kHz, 12-07, 0700/0720/0740 UTC**

08694 00001 00000 36271

**12148/13448/13948 kHz, 17-07/19-07, 0700/0720/0740 UTC**

00423 00120 80903 25184 70687 14744 99010 02234 43251 16280  
59083 35909 87980 41703 61605 53795 29873 57473 48037 21697  
32459 35538 75513 30425 93645 09954 87559 69456 29125 15207  
15516 55703 47798 88611 05506 05442 12960 17420 00375 01892  
80921 34903 27985 02601 41204 86331 80073 82841 92824 26535  
38538 69421 44798 48097 85770 63801 66300 91587 56129 39786  
47530 43527 09672 86487 17515 43329 13720 50188 14148 73747  
58619 41061 25772 16636 29551 85605 70856 29787 07703 10617  
75888 79914 94521 68542 79549 99753 61127 74824 13063 95619  
18423 36129 70446 11904 62446 59226 00669 87382 57751 29525  
80217 87985 25886 19064 74348 80782 39536 78654 61750 30188  
45667 22319 58658 61391 64547 16335 91742 78271 84838 77243  
72475 75857 77277

**12148/13448/13948 kHz, 24-07, 0700/0720/0740 UTC**

02985 00001 00000 40262

**12148/13448/13948 kHz, 26-07, 0700/0720/0740 UTC**

07993 00001 00000 37270

**12148/13448/13948 kHz, 31-07, 0700/0720/0740 UTC**  
04889 00001 00000 41664

16296/14981/13953 kHz, 0910/0930/0950 UTC

**16296/14981/13953 kHz, 03-07, 0910/0930/0950 UTC**  
06412 00001 00000 34257

**16296/14981/13953 kHz, 05-07, 0910/0930/0950 UTC**  
01147 00001 00000 35255

**16296/14981/13953 kHz, 10-07/12-07/17-07/19-07, 0910/0930/0950 UTC**  
02254 00025 61279 67920 20894 52486 51633 97039 63715 29581  
15823 62692 00679 90277 11151 31123 55885 64053 18111 64716  
71247 85518 63056 02028 63844 79330 78885 71660

**16296/14981/13953 kHz, 24-07, 0910/0930/0950 UTC**  
05338 00001 00000 36660

**16296/14981/13953 kHz, 26-07, 0910/0930/0950 UTC**  
09072 00001 00000 22270

**16296/14981/13953 kHz, 31-07, 0910/0930/0950 UTC**  
05284 00114 65011 07301 01083 02341 05652 06824 64772 28541  
81889 40633 88563 85276 40048 63184 54432 18812 16035 58787  
56351 22200 65108 62767 53847 55291 24464 43722 65103 36585  
84308 51357 35164 68953 66953 70020 31702 59149 05706 94635  
22888 83714 73311 17749 58738 03751 89334 46597 51850 22516  
50955 01992 62873 55643 66865 38248 84608 35399 35624 56468  
15074 22295 58618 68586 86653 24785 97967 19290 51639 81859  
01650 34106 98202 55220 19899 05476 24828 50147 77183 61506  
87382 42097 27725 67306 96277 86494 30769 44637 61685 13937  
38281 14517 14110 18695 71381 96622 67351 16272 87241 81237  
25222 33113 74203 01784 69539 73911 80365 55867 64462 55662  
90515 16365 83259 69912 39533 93133 43604

10243/11143/12143 kHz, 0500/0520/0540 UTC

**10243/11143/12143 kHz, 04-07/06-07, 0500/0520/0540 UTC**  
09613 00073 04903 14624 04024 94301 13670 16294 72961 92856  
62647 99037 70605 76681 52012 67098 66374 92488 14415 70050  
57452 57126 97934 34548 62579 42585 79092 63187 20449 26420  
49649 81272 68317 83690 60360 08789 68371 03738 09650 17579  
23437 43560 54902 89908 64421 43860 41108 15469 83752 75276  
51680 53247 59205 90021 14168 71634 25580 88073 62295 44208  
42848 77884 90878 49206 92047 60593 65040 53036 10603 07015  
74657 76831 26515 23430 77784 32531

**10243/11143/12143 kHz, 11-07, 0500/0520/0540 UTC**  
05759 00001 00000 41262

**10243/11143/12143 kHz, 13-07, 0500/0520/0540 UTC**  
04531 00001 00000 34257

**10243/11143/12143 kHz, 18-07/20-07, 0500/0520/0540 UTC**  
02198 00091 36984 58547 44059 19419 61329 45969 15147 34854  
83160 62120 57198 04304 53749 90655 34449 43321 32715 96132  
84092 12728 89925 47528 87777 41030 49279 48104 71996 69133  
73242 85214 53358 52230 94161 11645 25666 61102 52380 76225  
17805 63082 47470 72327 34676 12550 10317 15160 26933 07400  
09043 09853 34313 03397 57568 13811 87477 22270 88290 48641  
21681 80322 33396 29598 32939 95261 31776 37657 30005 59514

13413 71017 66462 09990 09158 01634 78851 06319 62011 46158  
23331 21726 44995 10309 67485 15683 14354 23294 90503 88987  
23112 67806 79042 32605

**10243/11143/12143 kHz, 25-07, 0500/0520/0540 UTC**

09321 00001 00000 33263

**10243/11143/12143 kHz, 27-07, 0500/0520/0540 UTC**

02893 00001 00000 36663

**14958/13958/12158 kHz, 1100/1120/1140 UTC**

**14958/13958/12158 kHz, 04-07, 1100/1120/1140 UTC**

06132 00001 00000 32661

**14958/13958/12158 kHz, 07-07, 1100/1120/1140 UTC**

02643 00001 00000 35656

**14958/13958/12158 kHz, 11-07/14-07/18-07/21-07, 1100/1120/1140 UTC**

00467 00191 00257 57643 94434 41543 36331 03730 82181 99847  
19972 31844 22860 02883 00536 48150 28441 44671 04706 62269  
22828 98530 97985 03688 22007 21096 24509 41606 57992 25476  
66945 80586 92383 72718 72357 90182 01910 40496 83934 31871  
41385 88147 24106 05647 31723 61271 68398 98395 65261 42229  
16946 23676 75140 29229 45708 54100 54424 62453 03394 89173  
13894 05831 27551 34986 44752 37130 75522 85660 78149 25389  
21291 27177 49081 65620 72492 18027 00753 42787 15541 72826  
76929 57441 26835 11819 38682 18702 18359 40893 91485 31921  
08125 71825 83685 55326 17675 02590 79604 23615 09428 25461  
25581 78381 65785 34654 69419 02574 65193 81650 33168 60625  
94058 44258 83601 10064 53559 96303 74526 16361 53163 77933  
55505 53075 23145 12140 84352 07884 75106 28061 53975 21991  
07733 01752 28961 89639 56848 96670 51875 69274 83403 01758  
50941 90994 24485 83846 88737 28660 01382 16071 52385 09103  
34969 60375 18602 15768 39149 79485 49715 11555 56124 09656  
89602 57988 94578 00104 14976 78906 56016 01951 96282 30235  
41649 17096 80581 77114 47108 98525 03999 25109 75776 86788  
99939 15074 76975 77488 30742 40648 65045 60452 50841 98293  
91178 48574 35185 25413

**14958/13958/12158 kHz, 25-07, 1100/1120/1140 UTC**

08617 00001 00000 37661

**14958/13958/12158 kHz, 28-07, 1100/1120/1140 UTC**

04615 00001 00000 36655

**13538/14438/14938 kHz, 1600/1620/1640 UTC**

**13538/14438/14938 kHz, 04-07/06-07, 1600/1620/1640 UTC**

06791 00198 35601 33115 94199 74359 85179 12945 33299 32157  
33006 94807 98024 00261 44258 97955 32503 76657 47049 30184  
01890 32525 64260 13506 58399 59822 59804 67965 51733 89310  
94575 91369 04966 22197 85731 87829 71440 87628 49136 03663  
89530 89557 66102 30272 31107 91297 79187 70222 18484 02205  
95675 92182 45862 27853 17827 38965 89042 63752 53329 15551  
28724 55297 77553 05794 83878 27779 72250 99180 19176 62165  
03294 27299 51822 27153 75327 44100 00170 54166 50993 56468  
25341 66055 59228 72094 02490 16598 52297 21613 35762 81503  
38559 25644 31037 87507 27592 59877 74638 93918 17115 84588  
55224 96202 76922 38476 01842 82889 75762 82948 05691 49074  
55852 31509 61362 42060 45557 77598 66380 80924 12645 74704  
79529 02985 32645 21739 59934 16940 85242 17778 26389 02810

65484 73224 18134 55133 27289 32052 69325 37670 93701 34956  
20811 60714 59952 70304 24290 25200 02857 58497 91476 01687  
43643 51287 87426 07595 92649 82407 12711 17456 69745 40190  
73860 26004 21531 72096 52928 79454 20669 81441 39328 60736  
34831 01787 93329 85261 70432 46259 57682 98174 07694 26214  
97727 80470 17119 76148 37580 88540 70079 50598 90015 77794  
10350 87959 72845 54113 53296 38293 18989 08416 69800 94413  
53042

**13538/14438/14938 kHz, 11-07, 1600/1620/1640 UTC**

05078 00001 00000 35264

**13538/14438/14938 kHz, 13-07, 1600/1620/1640 UTC**

05346 00001 00000 35661

**13538/14438/14938 kHz, 18-07/20-07, 1600/1620/1640 UTC**

00475 00204 32626 87514 88457 59138 74409 50640 58429 09041  
66856 77160 84246 36512 90172 26701 40460 28935 47670 53452  
66284 68072 83944 62584 41293 17107 70080 78213 77445 44807  
02538 68748 87015 90757 90888 55789 55668 50211 17465 81496  
49018 00260 27091 97418 21019 82267 26372 61762 49165 63722  
03421 64647 62525 82549 35502 85485 05481 79416 19654 56178  
80871 92121 03899 24205 34115 17794 34747 40847 16430 63655  
43454 89710 18531 35063 25503 32988 01298 27001 26132 19086  
22268 42346 05505 73233 45405 15855 60039 14546 34372 55437  
21668 39043 47338 36976 56455 36307 41042 90222 19408 32518  
08721 87750 67962 68380 18498 04990 35047 52736 32493 83446  
49024 79130 25312 41427 66282 79900 51975 65020 50215 76161  
99660 94784 97378 72611 44688 44694 40255 74097 38054 86708  
92725 69468 54462 44809 55074 77609 45095 19754 49239 66708  
70008 01990 65555 00387 93439 73212 05335 49056 40425 73913  
35741 83014 47842 33115 08555 86863 77094 33735 40871 91146  
26472 58936 30003 82884 75042 33663 38025 80515 41439 42204  
87040 25788 91486 53535 55721 05004 85996 86096 45980 73937  
47718 26116 18008 71249 13292 17829 72897 38172 12225 96038  
98844 53618 39142 21069 86032 78434 25360 74935 50828 26483  
40781 21619 31370 51169 03294 90378 54125

**13538/14438/14938 kHz, 25-07, 1600/1620/1640 UTC**

02814 00001 00000 37253

**13538/14438/14938 kHz, 27-07, 1600/1620/1640 UTC**

07359 00001 00000 37264

13394/12194/10794 kHz, 2100/1220/2140 UTC

**13394/12194/10794 kHz, 04-07/09-07, 2100/1220/2140 UTC**

07450 00064 95237 88971 79932 25223 97030 11062 18374 59567  
11379 90710 09855 09073 89924 53517 94209 30304 22780 88787  
82838 32006 96056 85173 98159 57974 41934 24661 94231 69176  
48975 29924 35853 06355 93447 61094 83597 38639 18829 14653  
91372 65412 73638 46939 16911 02123 02332 93283 01765 96705  
17541 91228 12820 91971 02855 98449 60563 73260 80633 45505  
92412 72335 12481 83837 79384 74043 04360

17435/16235/14935 kHz, 1100/1120/1140 UTC

**17435/16235/14935 kHz, 05-07/06-07/13-07, 1100/1120/1140 UTC**

02095 00115 43360 99862 90692 61729 40029 92918 97604 63820  
83273 33895 02528 01149 14845 85125 51978 10619 49859 26377  
97393 65794 94305 05191 71231 22308 22483 54927 27289 45737  
46053 16996 63329 22246 91596 65171 85781 16024 52855 57569  
50706 77402 89084 76774 65103 50232 51429 13048 04521 88229

81520 42709 18808 83823 07762 30333 57614 68422 15368 28775  
50435 94902 44895 16312 10408 76555 84648 79750 92695 50488  
44201 80787 87620 61664 58946 52044 01747 62097 71802 73454  
14102 43754 92356 51305 75895 52259 68514 88477 02334 64991  
12306 87477 26431 06208 79019 79092 63705 22734 62182 42370  
35496 58452 87326 46459 28293 90482 92625 14615 99455 71996  
76873 47918 03604 41631 33546 24273 66186 55033

**17435/16235/14935 kHz, 19-07, 1100/1120/1140 UTC**

03903 00001 00000 37253

**17435/16235/14935 kHz, 20-07, 1100/1120/1140 UTC**

06685 00001 00000 36666

**17435/16235/14935 kHz, 26-07/27-07, 1100/1120/1140 UTC**

06695 00098 92892 31052 30655 76459 86760 87160 07795 21878  
90688 78163 72073 69493 23586 66647 68502 27538 46218 05374  
48050 01671 42856 45287 51149 26955 07240 86689 84552 51234  
71747 00280 16774 10850 72308 32157 00951 92199 41423 51035  
32020 63527 00382 62670 48450 18744 04088 33908 61022 72181  
25334 89576 07602 02253 49035 80845 68031 80019 84783 86819  
50298 20401 31777 68956 38296 98622 42334 51538 26432 72402  
64640 73797 22882 53427 17342 52360 06596 41267 95791 15934  
75225 68544 02979 15527 88684 56810 51423 28065 83405 10963  
84095 47121 03001 33063 45378 61650 78266 30869 82289 83886  
17602

**17474/16274/14574 kHz, 1800/1820/1840 UTC**

**17474/16274/14574 kHz, 05-07/07-07, 1800/1820/1840 UTC**

07316 00225 35059 20861 05023 40259 29418 50132 51392 75007  
63880 34509 84732 13995 27867 97411 25846 76753 93799 51543  
74873 95229 48743 84690 29642 07909 35687 03028 78356 79075  
34188 45942 94288 56190 82565 50999 33335 65502 66080 72913  
74151 86060 55081 36573 45734 33704 50653 22936 55701 62931  
69490 05101 30296 53947 00583 60302 88273 50930 70525 12156  
40711 42473 04986 98491 24960 44047 52403 60058 53720 79541  
69706 52351 69602 55485 40845 94446 13697 46735 57211 84262  
31772 78603 45874 69512 93811 41835 29326 18050 19283 24653  
13851 16670 27134 94714 30510 94370 18941 27934 67383 28532  
24146 13268 31578 66635 11941 08335 11852 58535 76215 56037  
54339 34033 50046 47559 27326 91936 94092 85600 72700 87237  
10744 74660 97474 58639 48635 32239 83138 35996 60367 46458  
19912 55740 94585 73442 53323 16583 63547 81031 41431 91871  
47461 54623 67507 67495 48330 98045 68701 12594 94335 65563  
29181 92474 72757 25916 38089 97158 14585 77890 19348 93165  
60151 62253 64540 31058 49881 87629 85859 09902 03328 69706  
34525 55806 89430 74617 62386 44036 87432 11119 55279 47201  
14817 20722 95066 48197 10366 72934 82860 05193 02043 78461  
43887 99276 79410 68210 36738 09410 52529 16957 66073 53470  
66746 57200 55424 39652 17421 29007 75354 57124 41744 08585  
14080 49467 71842 21892 43006 01753 25735 72903 16431 70038  
75552 02334 90479 87591 41332 11826 47295 11637

**17474/16274/14574 kHz, 12-07/14-07, 1800/1820/1840 UTC**

06674 00080 56141 02919 13643 15271 05966 46452 20352 68257  
46539 32732 40737 32631 77572 92066 82243 66153 85806 89344  
06118 13372 41409 18462 95229 58383 84045 45088 51278 10546  
03157 75766 53480 63063 07934 74134 87432 69023 69986 81505  
99837 60741 85586 84977 88154 55609 13198 59988 08585 23259  
90526 73422 98188 65177 08775 95602 98704 83845 84329 70642  
05639 20689 12463 11684 96717 13050 39092 55304 60195 20874  
54400 16092 18486 83800 12032 96291 99992 11583 00947 18867

**17474/16274/14574 kHz, 19-07/21-07, 1800/1820/1840 UTC**

00616 00180 62864 47808 85136 00456 18297 39015 95627 86227  
89882 54752 50507 12809 29979 81229 22142 38837 38493 65340  
07789 65000 79674 88647 55871 37434 16525 49496 76066 80912  
38551 11860 79500 90015 23562 32116 22537 52223 55399 87914  
01208 63290 26716 37559 81234 89649 17238 15939 50536 28583  
49747 44143 71297 13703 42844 94687 18026 47829 22596 15530  
64218 01556 49811 15063 89701 78561 76603 87901 56960 49020  
05338 21271 76102 84981 87459 60949 92004 40277 02112 48344  
79308 34392 09555 54024 88608 99579 24749 82332 24825 97827  
95572 64210 24835 61840 99071 59481 69955 80252 85982 76717  
67014 04931 06104 05818 34129 26526 60091 95508 96995 28713  
76568 62680 99290 30150 19617 00151 83661 83748 38871 16702  
18354 07957 30213 09952 59618 07414 19104 80076 48330 00417  
96155 32671 16282 83838 53458 40809 09588 84017 36495 24705  
27706 76585 60442 88130 19097 91167 64340 32578 93929 56802  
95517 37491 14721 79902 75127 67116 45269 19279 20603 58272  
44432 24974 17510 76518 99360 78626 27672 38728 06524 48437  
13370 30842 74860 06520 35799 54141 72825 03538 56590 98206  
96108 91060 63751

**17474/16274/14574 kHz, 26-07/28-07, 1800/1820/1840 UTC**

00699 00093 02698 23427 50854 61906 77260 81050 92133 88747  
68088 43063 28466 55754 25794 90947 77255 69264 57786 99057  
69719 91064 30157 05216 87262 18198 18716 04833 39334 72571  
98519 98231 61285 21811 32040 59464 65854 43229 46029 44464  
17923 98923 54719 27709 61514 98295 50708 27408 35553 83058  
93015 31422 43661 25771 54547 62442 80127 63167 55669 77904  
11435 49803 41377 29787 74868 75205 61504 09552 92995 98757  
03212 29314 01794 68291 70181 83337 98979 75063 30206 42529  
20901 23518 42176 24444 61003 22960 57101 68119 51039 35934  
86285 78897 70792 48615 77310 15664

Test messages / Exercises

We heard some of the longest messages ever sent by XPA2

**10643/11431/12158 kHz, 19-07, 0810/0830/0850 UTC**

00854 01229 30003 11983 19251 56119 46977 83072 73150 09777  
71004 77637 28288 12051 49029 44034 85078 92711 94332 62510  
36299 63225 02564 90633 88359 20183 05180 88116 89862 39318  
12879 14853 39351 14862 60376 41478 98994 87916 38971 55766  
81578 26868 67430 04253 84006 02780 53804 01351 50550 19657  
94098 86649 33972 33539 06003 55118 57367 39368 23623 99067  
50939 58859 93209 33831 96897 56151 38285 13426 51674 07550  
45039 97160 53739 38566 80931 09431 95793 98309 06626 85579  
66378 03828 37566 70204 45219 26228 80880 05812 08859 05257  
84110 59625 64293 39903 04827 22718 33657 33598 07355 27855  
64493 40377 49676 42999 74617 96936 32909 95404 52607 96571  
59323 59056 32742 38043 32688 47110 21293 23004 88611 70668  
75269 32473 04567 46416 23439 85412 32866 13836 33739 58212  
75772 62195 90954 78769 21085 26000 54151 94565 95585 48281  
93318 85475 53204 12286 45933 25053 26883 26250 07214 57715  
01425 10652 44986 36685 52585 32019 35810 03259 19560 89204  
64070 19072 61665 94393 20799 97127 68100 53971 16957 06687  
92957 26726 27418 40329 77349 89793 79268 92279 00483 98384  
58528 06616 06621 76022 56787 65119 17208 54269 26184 89064  
90189 50892 75004 06381 84210 74245 23809 58809 91486 48805  
56952 72911 09292 00527 64756 74697 83233 04656 59334 62791  
52750 43530 02775 21175 30675 57453 12451 85641 37606 55678  
79918 13831 27786 27892 16496 42065 51721 21037 56118 03103

65983 20458 00792 51677 41432 85616 97323 06094 11265 82088  
81884 12552 94933 63392 36314 46659 48116 53828 75704 26757  
61794 38167 21202 35808 68886 43120 45124 81399 84029 22691  
22976 62196 48537 56230 96806 32291 42737 51097 79742 45057  
60128 06356 74375 55517 73793 67365 18897 64393 91576 69836  
93948 97891 45331 29361 41308 27816 99255 64983 82789 98310  
40491 15924 22064 88573 59112 19688 64013 38702 66584 04022  
03921 97017 74085 30646 66627 55437 63790 65684 62013 01520  
24223 80730 89821 14192 28742 25083 16865 19176 14922 68990  
33035 77753 68306 81431 04565 44204 84291 85801 96404 54105  
03351 80193 97807 87554 65914 96929 23806 14684 62732 85869  
64024 33570 02969 81269 74087 59760 26102 07871 59831 34028  
02822 44837 23780 97593 70986 26167 28710 92652 26081 22423  
71145 77988 69279 07908 98167 44028 82922 02266 48277 31812  
01277 02180 56442 29051 04966 99463 74784 87036 07344 44804  
18102 76419 25969 62375 51282 58513 56413 00213 16567 39747  
68218 31152 88602 40309 14723 86034 64290 95059 83101 30058  
76837 23835 59593 28019 32751 00641 88393 94727 92626 71521  
51381 41673 85308 81275 04320 94724 52018 06903 56625 39654  
87614 82708 85697 08529 63592 70123 13577 16133 14327 18930  
35173 79723 03935 77285 67966 94266 16826 97949 29624 50640  
70118 61684 07585 45045 88364 26545 45842 07326 35988 19998  
34015 57386 38433 43447 42442 94127 38136 51064 64425 62626  
87063 72260 80400 73696 36347 71657 37738 08023 13309 10053  
77898 54068 77278 05985 69534 25930 75122 40652 20163 37047  
24281 06250 80143 94328 84914 77786 41289 60487 34842 73837  
56129 65761 33523 66996 63575 97857 81283 33888 08697 16707  
88805 37818 94016 25934 42098 79946 80106 32448 73911 16511  
19004 97482 30900 27378 38345 80812 92115 86070 88780 58560  
30367 77250 73180 39470 53922 12137 20544 10281 42408 71675  
44645 41233 31954 03455 48240 86461 12233 54208 52229 04967  
97678 08841 86574 18330 54832 58646 34860 06145 28650 82762  
05742 95212 45106 50136 86339 11555 64637 54546 72010 29961  
59402 69824 90038 02236 71865 77770 65527 27445 79137 51883  
68579 37906 33840 83813 60881 21525 90675 54849 84636 95275  
77275 14398 81630 59645 65933 49432 96126 81817 17114 36684  
21823 57685 82197 22268 45564 27853 18801 84337 46464 77061  
93117 07415 27007 76766 14182 67834 61371 61292 89253 64814  
20879 09788 69909 76734 52684 45003 88193 30393 36301 22432  
81643 83708 10330 42452 30059 10893 55708 11571 38248 33027  
02723 06337 08384 07574 02158 69860 87390 04863 45462 98097  
88060 34833 92563 52299 15805 12035 87775 05463 69582 00561  
39658 88407 48035 24032 95417 09408 97083 84553 46706 03288  
12126 49799 23044 56226 62090 14542 01403 62334 74575 82823  
57611 83329 84929 38203 34371 46809 91144 58030 26647 18024  
23117 50245 41987 37687 93367 14315 58300 84351 12155 92748  
72775 02836 58156 42173 85971 38260 11789 36336 90207 01262  
10631 25440 30886 86758 42948 56327 03477 09832 89660 48608  
18262 39053 57906 28681 80170 61880 07811 85356 62857 47774  
56240 17050 50179 81825 10047 54774 25173 42756 52230 96109  
35020 54807 67821 25384 07392 97675 19358 55228 94737 37040  
10838 48467 94690 63546 74486 33722 44929 29474 62002 24091  
30448 26432 73478 42433 45020 93579 75260 49059 76710 88172  
31154 60719 57601 93549 13587 63453 71231 32521 21288 82493  
42521 52582 90617 25817 36935 07773 22359 86632 07339 76324  
09845 95697 80752 28139 65660 08588 81328 25387 80362 13812  
22415 70298 78516 06565 05885 50118 90865 01140 49958 11032  
62490 12407 08185 79507 81569 77865 35813 47661 05497 37247  
71220 88627 41720 00385 78327 35455 79965 29461 27889 04999  
82124 45843 52158 07476 60078 72221 74064 84052 19931 86816  
16906 21219 36673 96305 13834 97436 87511 01245 46568 87794  
72773 33666 19889 43114 42591 33786 28577 78130 28236 70429  
70151 61403 73250 44958 28907 16646 60248 00709 19429 09347



03800 51760 27729 18680 20341 50000 51953 45413 86550 80889  
47942 78720 82891 40093 32225 48457 25953 09043 64884 26291  
43643 95932 55815 49501 16665 55501 47967 91713 67397 97186  
37187 86802 81815 37221 83993 21012 05936 01209 22773 92589  
81832 83162 91579 47345 22486 91429 78510 33156 12733 80449  
90692 51205 35823 93136 65702 07866 95944 78227 02015 64838  
02032 60238 78015 89362 43702 61138 96903 45670 56098 11212  
42520 24743 86268 72294 44458 60480 04353 08469 27014 25234  
76989 14811 78980 86947 06494 85981 50979 88677 71517 76127  
25067 27708 99193 57933 90556 21593 05147 02217 03643 61346  
94524 32840 77057 01520 37928 65948 64935 63528 48678 05222  
03513 87474 51212 76779 87847 87220 81257 91066 82867 57720  
10159 08226 74151 79970 86143 14812 25549 28335 81736 22865  
55332 02136 04826 65666 30708 44149 37753 77459 49018 40544  
21045 87450 39999 66295 72613 37592 76494 22413 70084 03335  
40334 14079 19348 45922 51187 86298 58687 97085 15375 23116  
40399 36600 81790 25813 49889 01377 82647 85544 46071 43698  
49467 03798 42048 42323 36674 22708 68225 07856 07357 48551  
38316 03135 58249 78400 82529 41252 82786 58902 14479 44408  
85460 40666 62083 25902 00144 84444 05659 14186 16406 71236  
54943 90948 76341 26386 53867 36536 72030 77023 09248 28479  
18073 50831 89728 66823 84798 37264 78349 03389 43282 08636  
18589 23745 71065 01662 58236 08800 41713 16145 42178 52228  
17048 54039 91449 36119 93607 47367 26792 31863 24533 45992  
69221 05763 49654 85998 26335 34629 50937 95259 41103 62878  
06095 02270 70902 07769 52647 31198 19882 74679 68148 45066  
94822 55885 34844 57018 11431 64032 59381 53608 73215 37430  
10472 46485 78854 97289 39414 12825 74089 85066 75326 23607  
57862 46453 75040 79299 46133 14778 83136 83679 83471 62408  
27484 52111 63714 79466 51169 13335 70917 92635 74567 62301  
75247 97328 22044 03672 52406 59608 23414 73612 68354 39821  
57107 34815 99351 44540 87202 48369 80843 55544 10885 96651  
80895 75700 70135 10806 09946 58359 82770 99387 46119 26078  
41907 81453 10498 13024 48359 60533 24408 71368 26893 86523  
91363 09524 15324 43650 05300 92667 52759 19173 92262 02800  
32491 15373 81749 77914 81405 99545 27192 11238 93725 94045  
76836 24025 27492 42276 97912 75653 24316 86327 96180 26669  
23960 42623

**10643 kHz, 19-07, 0915 UTC**

00180 01222 41817 44861 05864 31411 29971 22097 00886 28144  
21491 48874 02250 33897 36534 29829 56804 87834 33016 71570  
61360 77288 30884 34065 85581 69021 01655 25804 52188 90215  
73879 96195 12254 13542 86385 02684 96735 56590 84247 62356  
69613 00474 07998 63733 41776 09441 16296 99018 26888 39827  
87794 59583 74301 09870 09304 96823 14557 07752 59278 36842  
29755 04166 69907 10670 54264 25294 36619 88707 47510 33850  
33093 00214 03587 70659 01957 60886 69290 67150 92287 76140  
52725 02636 98915 12361 02420 14295 21894 02383 04238 89560  
88125 88983 97310 47404 32600 65446 30565 97326 09468 16481  
72820 27588 51507 93037 06733 87580 55996 03641 07913 48416  
27533 47406 15463 83137 84116 27118 05250 57546 08249 39968  
03400 34235 84468 57949 45723 44109 02902 56181 38058 36509  
30321 71963 57681 75805 03319 25137 51128 05877 05627 14839  
58298 18252 94469 55820 62027 40718 73519 14172 63287 05482  
60196 73018 89076 69499 13081 38584 43118 93557 47313 62623  
84677 99813 65582 71403 18095 55569 89723 39657 79818 58979  
75989 99371 51918 93408 81669 85146 39765 28648 95920 05004  
70588 88728 92893 32576 76311 57301 82885 88181 62723 64734  
82017 57570 58562 43003 30160 58484 52669 23065 37724 06458  
50994 33862 34353 04308 29491 60823 21099 95666 87828 27934  
98817 14470 97635 42309 92033 95948 06919 33005 95090 60793  
72682 01541 76932 15084 76960 18419 40809 08914 63247 23184

32476 16699 90922 89462 54009 36726 54374 88585 03084 15487  
36201 87217 00352 34789 65915 67547 59934 16253 50968 34211  
51565 19664 27973 76930 33774 49452 56928 19269 27346 11072  
20014 12184 32419 64644 95456 82117 23546 08172 88298 55307  
41573 18332 29920 79603 24591 85464 01189 42142 49167 09412  
58483 24556 57945 29036 71618 12812 88724 13992 55688 04557  
79797 35105 61238 92011 95472 24016 54798 35707 39332 83796  
44001 51761 27953 95660 92636 33232 89742 48369 52339 48308  
48263 14786 70100 17934 52587 95457 54238 03382 93024 82643  
93392 09553 52482 83741 75509 06468 57092 37908 84129 00574  
30665 65480 02809 65370 65410 06722 96601 62284 36398 38386  
23069 40355 61652 07379 56293 65010 65003 43304 39424 00015  
69777 51415 42681 56687 90403 34447 99278 44211 20151 86168  
76138 51834 64239 51764 17643 82781 11976 04729 52522 45865  
98854 91953 66982 54638 59574 53036 47900 45102 27447 10498  
41463 13787 98482 84114 30795 79249 22798 46121 74966 30962  
07442 52389 42133 50229 62246 71234 76115 09887 89735 73510  
53034 60274 90780 93557 01159 77823 84431 88042 97112 37366  
86546 54175 16764 09652 44704 62350 53350 80123 20968 38392  
59982 65854 29762 21560 38422 46465 49819 16753 92390 88339  
76920 38012 55366 53936 57462 81188 23005 04925 82954 52971  
94816 34755 49007 37600 44415 53266 35625 32480 05524 99895  
17883 95990 88918 51342 13527 87179 30511 69220 55135 54692  
28003 67678 95651 08773 60444 48533 98807 62826 52189 63515  
39344 48425 97168 67995 43575 25227 16846 92161 77143 85155  
10840 17339 11228 92494 70455 80929 49093 04023 40408 70282  
50676 53784 49788 28261 24968 27137 39102 40233 77154 95880  
54457 72797 80289 42008 60550 69457 98820 20922 07766 88299  
70332 38349 92075 69978 43852 10663 56449 03156 38317 79514  
99439 94784 22418 81906 12838 85559 98635 68906 43027 16437  
86123 76612 15006 81261 30697 38041 37048 69218 31944 00998  
82107 28171 96255 52108 99948 12326 61707 79808 84407 14304  
70687 35946 01916 97639 96440 59672 50378 98382 29170 74989  
70820 29914 77893 91328 02175 93719 23342 10814 39281 05810  
73614 87229 71211 37319 97405 71268 98527 70309 81956 00511  
23851 18826 84497 28723 45749 50177 74695 17366 84820 71024  
87662 38665 40048 56953 30176 52193 50276 04927 49932 06229  
88983 50893 40527 78597 40689 83456 64733 64596 00233 25172  
61144 80068 16426 28658 51138 51994 45415 49170 45578 51996  
19023 05976 25993 68255 18147 34948 47180 14258 07142 45212  
20991 93599 20376 75727 11527 72957 78298 05900 88032 62291  
85442 10099 17133 59647 09880 07593 22238 11390 05815 78181  
06777 01106 59347 97934 87205 83007 24900 72270 60449 05740  
36275 50475 57453 55020 04181 67543 59691 40698 17131 78179  
73695 39515 61136 83286 66553 08924 88841 66344 58375 10553  
12710 35790 08443 28960 38434 19885 34251 22440 88520 28519  
48057 06027 45449 82292 26015 34966 52644 62111 55465 42335  
47901 81539 94257 27634 04486 67261 39968 76060 31381 78280  
94164 58554 13895 49895 93029 00485 42032 28493 16586 84295  
33292 37250 52176 88611 30122 67667 94064 78843 57270 31586  
56278 26730 10878 16039 62651 31169 41531 80807 24474 71171  
79915 58189 91058 10239 34353 89501 92130 95553 89261 25530  
92933 24151 45525 71169 09043 10650 29363 05646 97511 36817  
73196 61123 18790 99794 22002 67433 47675 97854 87243 61859  
58952 61223 04018 45413 04379 75101 46191 41936 54257 40619  
75536 98509 89580 31740 38651 32127 81204 39707 06996 52001  
01806 35884 83294 87656 97974 18791 39399 91262 88236 66919  
41826 94274 08310 27402 66576 31709 20132 00111 66790 33941  
64457 87425 51388 56892 61279 74685 71541 87048 61142 89873  
86228 07967 90858 35242 60053 23067 77928 16361 47438 85586  
35701 54927 53698 87336 98791 81260 90199 62178 65162 06942  
11995 81093 72916 73054 87542 14379 84495 26402 26376 23288  
47249 52350 30120 98361 80690 33858 03416 73067 67347 43508

53780 03770 52671 81203 98238 09530 33727 64050 58099 80018  
84485 09362 21886 54200 77878 05134 35050 17803 47698 45673  
38571 51525 89984 24149 38337 83350 24807 55335 06646 64932  
77843 17132 94830 21654 53160 08224 28421 91712 74814 78011  
80651 20444 68301 46356 38802 37886 30463 75919 20483 75555  
98807 85612 25368 21673 04936 02254 13785 28522 42865 14887  
84722 78390 57403 93165 02175 67352 14531 00231 01039 69654  
76712 43336 42987 69686 65021 18127 83222 43628 85346 00450  
52886 48886 34852 31090 66124 92230 91763 73156 16717 50906  
94438 99898 48846 59927 93288 02261 63039 75134 44181 71448  
23354 30231 74880 50827 98841 55471 42624 55681 56651 86808  
19030 70155 43174 42414 62000 35835 43537 26313 27041 09943  
75588 41374 83513 50132 75214 76813 94488 83059 76396 62760  
55086 08088 99446 13897 77095 22654 74005 84024 32247 10653  
49605 36081 16504 29907 31875 24282 56723 06431 97925 57453  
58723 36726 48093 34237 95859 81979 46717 24748 75612 22028  
60981 59563 79284 93890 31722 10942 70708 29277 65318 39345  
61829 59511 94065 16388 60337 39506 24869 53605 18256 50932  
20089 88056 85133 18942 04037 18360 59993 65209 18037 95115  
75936 49256 08412 10218 49670 90041 56796 22613 98184 20932  
53572 27446 41112 58579 95623 99210 42660 31705 73899 56352  
57109 93110 06491 24680 01939 72923 74429 60341 89852 13362  
50947 05499 11240 70202 63408 12572 51099 83846 66716 70294  
82709 02255 55420 97323 97358 92642 46944 26553 23318 04826  
75698 28288 91308 61683 38005 82824 42765 83730 08279 76746  
15611 96454 32759 84822 69983 48073 16205 70909 95170 83050  
48110 58812 64987 03604 73642 54853 37690 09166 27321 09295  
25978 47876 37022 85026 37662 22659 14189 49555 32196 80583  
69805 67368 75567 89968 54683 86253 69495 70597 27339 49284  
76436 76034 31381 40266 56715 16886 63299 87704 88040 83150  
45134 33598 56409 98982 50768 67734 59431 47731 47159 47324  
33883 66649 38712 14587 13245 80741 83244 75018 48920 87387  
85357 67092 81826 78035 32857 49943 16494 96755 28311 20776  
59358 26484 61513 49044 35448 36206 10958 76583 39200 86947  
26822 21763 23437 80014 15401 09787 37322 16794 27021 75973  
33640 88280 38784 00653 97792 78040 51771 78373 66124 00825  
51239 62675 19420 26383 76644

**10427/12153 kHz, 26-07, 0800/0820 UTC**

Message

## **XPB1**

13884 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1100 UTC  
13384 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1110 UTC  
12184 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1120 UTC  
11584 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1130 UTC  
11084 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1140 UTC  
10584 kHz, 01-07/05-07/08-07/12-07/15-07/19-07/22-07/26-07/29-07, 1150 UTC

15876 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1200 UTC  
17876 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1210 UTC  
14376 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1220 UTC  
13976 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1230 UTC  
13376 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1240 UTC  
12176 kHz, 01-07/03-07/08-07/10-07/15-07/17-07/22-07/24-07/29-07/31-07, 1250 UTC.

11168 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0500 UTC  
11468 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0510 UTC  
12168 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0520 UTC  
13368 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0530 UTC  
13969 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0540 UTC  
14569 kHz, 03-07/04-07/10-07/11-07/17-07/18-07/24-07/25-07/31-07, 0550 UTC

20024 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1300 UTC  
19224 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1310 UTC  
18324 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1320 UTC  
17424 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1330 UTC  
16324 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1340 UTC  
15824 kHz, 04-07/07-07/11-07/14-07/18-07/21-07/25-07/28-07, 1350 UTC

## DIPLOMATIC STATIONS

### Diplomatic stations: Bulgaria

18518 kHz, 03-07, 0600 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 03-07, 1228 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 03-07, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 03-07, 1255 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 04-07, 1229 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 04-07, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 04-07, 1258 UTC, RFSM	MFA Sofia wkg unid embassy
18518 kHz, 05-07, 0600 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 05-07, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 05-07, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 05-07, 1258 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 06-07, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 06-07, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 06-07, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 07-07, 1225 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 07-07, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 07-07, 1256 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 10-07, 1229 UTC, RFSM	MFA Sofia wkg unid embassy
18455 kHz, 10-07, 1259 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 11-07, 1228 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 11-07, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 11-07, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 12-07, 1228 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 12-07, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 12-07, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
16285 kHz, 13-07, 0837 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 13-07, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 13-07, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 13-07, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 14-07, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 14-07, 1232 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 17-07, 1229 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 17-07, 1229 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 17-07, 1259 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 18-07, 1229 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 13365 kHz
13365 kHz, 18-07, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
18455 kHz, 18-07, 1259 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 19-07, 1230 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 13365 kHz
13365 kHz, 19-07, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
18455 kHz, 19-07, 1300 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 20-07, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 20-07, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 20-07, 1256 UTC, RFSM	MFA Sofia wkg unid embassy

17440 kHz, 21-07, 1227 UTC, RFSM  
13365 kHz, 21-07, 1232 UTC, RFSM  
18455 kHz, 21-07, 1300 UTC, RFSM  
17440 kHz, 27-07, 1228 UTC, RFSM  
13365 kHz, 27-07, 1228 UTC, RFSM  
18455 kHz, 27-07, 1257 UTC, RFSM  
17440 kHz, 28-07, 1223 UTC, RFSM  
13365 kHz, 28-07, 1227 UTC, RFSM  
18455 kHz, 28-07, 1258 UTC, RFSM  
17440 kHz, 31-07, 1230 UTC, RFSM  
13365 kHz, 31-07, 1229 UTC, RFSM  
18455 kHz, 31-07, 1258 UTC, RFSM

MFA Sofia wkg unid embassy on 13365 kHz  
Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz  
MFA Sofia wkg unid embassy  
MFA Sofia wkg unid embassy on 13365 kHz  
Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz  
MFA Sofia wkg unid embassy  
MFA Sofia wkg unid embassy on 13365 kHz  
Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz  
MFA Sofia wkg unid embassy  
MFA Sofia wkg unid embassy on 13365 kHz  
Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz  
MFA Sofia wkg unid embassy

## ***Diplomatic stations: Egypt***

**20445.7 kHz, 04-07, 1655 UTC, SITOR-A 100/170** Egyptian diplo. Long 5-character groups message  
**14456.7 kHz, 06-07, 0745 UTC, SITOR-A 100/170** Egyptian diplo. Long 5-character groups message

**21856.7 kHz, 12-07, 1549 UTC, SITOR-A 100/170** 71: MFA Cairo msg to Egyptian embassy Washington  
FROM: 71  
TO: WASHINGTON  
TIME & DATE: 19:34, WEDNESDAY, JULY 12, 2023  
NUMBER OF GROUPS: 339  
URGENT  
=====  
002AB 81D61 00F0A 36DA-9DC2 65C 07504 37695 ...

## ***Diplomatic stations: North Korea***

12200 kHz, 03-07, 0810 UTC  
16255 kHz, 03-07, 0820 UTC  
12800 kHz, 03-07, 0830 UTC  
13400 kHz, 04-07, 0630 UTC  
13500 kHz, 04-07, 0630 UTC.  
16250 kHz, 04-07, 0630 UTC.  
16252 kHz, 04-07, 0630 UTC.  
14300 kHz, 05-07, 0729 UTC  
16255 kHz, 06-07, 0719 UTC  
14300 kHz, 06-07, 0733 UTC  
16255 kHz, 06-07, 0800 UTC  
14300 kHz, 06-07, 0800 UTC  
16250 kHz, 06-07, 1332 UTC  
16252 kHz, 06-07, 1332 UTC  
16252 kHz, 11-07, 1300 UTC  
13400 kHz, 11-07, 1300 UTC  
13500 kHz, 11-07, 1300 UTC  
13400 kHz, 12-07, 1227 UTC  
16250 kHz, 12-07, 1230 UTC  
16252 kHz, 12-07, 1230 UTC  
16255 kHz, 13-07, 0800 UTC  
16250 kHz, 18-07, 1300 UTC  
16252 kHz, 18-07, 1300 UTC  
11050 kHz, 19-07, 0832 UTC  
12400 kHz, 31-07, 0455 UTC

North Korean hub Moscow  
  
North Korean embassy Prague wkg North Korean hub Moscow. QSX 13500 kHz  
North Korean hub Moscow wkg North Korean embassy Prague. QSX 13400 kHz  
North Korean embassy Damascus wkg North Korean hub Moscow. QSX 16252 kHz  
North Korean hub Moscow wkg North Korean embassy Damascus. QSX 16250 kHz  
  
North Korean hub Moscow wkg North Korean embassy Vienna. QSX 14300 kHz  
North Korean embassy Vienna wkg North Korean hub Moscow. QSX 16255 kHz  
North Korean hub Moscow wkg North Korean embassy Vienna. QSX 14300 kHz  
North Korean embassy Vienna wkg North Korean hub Moscow. QSX 16255 kHz  
North Korean embassy Damascus wkg North Korean hub Moscow. QSX 16252 kHz  
North Korean hub Moscow wkg North Korean embassy Damascus. QSX 16250 kHz  
North Korean diplo hub Moscow  
North Korean diplo. QSX 13500 kHz  
North Korean diplo. QSX 13400 kHz  
North Korean diplo  
North Korean embassy Damascus wkg North Korean hub Moscow. QSX 16252 kHz  
North Korean hub Moscow wkg North Korean embassy Damascus. QSX 16250 kHz  
North Korean diplo  
North Korean embassy Damascus wkg North Korean hub Moscow on 16252 kHz  
North Korean hub Moscow wkg North Korean embassy Damascus on 16250 kHz  
North Korean diplo  
North Korean diplo

## ***Diplomatic stations: Russia***

11438 kHz, 03-07, 0807 UTC, MFSK-6  
20675 kHz, 03-07, 0922 UTC, MFSK-6  
12149 kHz, 04-07, 0833 UTC, MFSK-6  
17419 kHz, 04-07, 1146 UTC, Serdolik v2

MFA Moscow clg 532614: Russian embassy Paris  
MFA Moscow clg 641523: Russian embassy Lusaka  
MFA Moscow clg 154263: Russian embassy Rome  
Russian diplo

17419 kHz, 04-07, 1153 UTC, MFSK-6	Active
15782 kHz, 04-07, 1154 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
17419 kHz, 04-07, 1159 UTC, Serdolik v2	Russian diplo
14631 kHz, 05-07, 0815 UTC, MFSK-6	MFA Moscow clg 362154: Russian embassy Athens
13979 kHz, 05-07, 1115 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
14653 kHz, 05-07, 1106 UTC, Serdolik v2	Russian diplo
14653 kHz, 05-07, 1110 UTC, Serdolik v2	Russian diplo. Selcal
13979 kHz, 05-07, 1116 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
17440 kHz, 05-07, 1159 UTC, Serdolik v2	Russian diplo. Selcal
17440 kHz, 05-07, 1206 UTC, Serdolik v2	Russian diplo. Selcal
17440 kHz, 05-07, 1209 UTC, Serdolik v2	Russian diplo. Selcal
14650 kHz, 05-07, 1210 UTC, Serdolik v2	Russian diplo
14650 kHz, 05-07, 1219 UTC, Serdolik v2	Russian diplo
14650 kHz, 05-07, 1243 UTC, Serdolik v2	Russian diplo
16315 kHz, 06-07, 0726 UTC, Serdolik v2	Russian diplo. Serdolik selcal
15973 kHz, 06-07, 0723 UTC, MFSK-6	MFA Moscow clg 162543: Russian embassy Nicosia
21824 kHz, 06-07, 0728 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16315 kHz, 06-07, 0730 UTC, Serdolik v2	Russian diplo. Serdolik selcal
21824 kHz, 06-07, 0731 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16315 kHz, 06-07, 0736 UTC, Serdolik v2	Russian diplo. Serdolik selcal
14474 kHz, 06-07, 0739 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16315 kHz, 06-07, 0741 UTC, Serdolik v2	Russian diplo. Serdolik selcal
14474 kHz, 06-07, 0744 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16315 kHz, 06-07, 0750 UTC, Serdolik v2	Russian diplo. Serdolik selcal
14474 kHz, 06-07, 0752 UTC, Serdolik v2	Russian diplo. Serdolik selcal
21824 kHz, 06-07, 0753 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16132 kHz, 06-07, 0748 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
14474 kHz, 06-07, 0755 UTC, Serdolik v2	Russian diplo. Serdolik selcal
16313 kHz, 06-07, 0757 UTC, Serdolik v2	Russian diplo. Test
14472 kHz, 06-07, 0758 UTC, Serdolik v2	Russian diplo. Test
14472 kHz, 06-07, 0801 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 06-07, 0818 UTC, Serdolik v2	Russian diplo. Traffic
16313 kHz, 06-07, 0828 UTC, Serdolik v2	Russian diplo. Traffic
16313 kHz, 06-07, 0823 UTC, Serdolik v2	Russian diplo. Test
14472 kHz, 06-07, 0828 UTC, Serdolik v2	Russian diplo. Traffic
16313 kHz, 06-07, 0836 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 06-07, 0842 UTC, Serdolik v2	Russian diplo. Test
14472 kHz, 06-07, 0844 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 06-07, 0846 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 06-07, 0904 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 06-07, 0911 UTC, Serdolik v2	Russian diplo. Test
18194 kHz, 06-07, 0914 UTC, MFSK-66	Russian diplo
16103 kHz, 06-07, 0920 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
16313 kHz, 06-07, 1331 UTC, Serdolik v2	Russian diplo
18750 kHz, 06-07, 1335 UTC, MFSK-66	Russian diplo
12089 kHz, 06-07, 1337 UTC, Serdolik v2	Russian diplo
14570 kHz, 07-07, 0830 UTC, MFSK-6	MFA Moscow clg 324615: Russian embassy Madrid
12096 kHz, 09-07, 1038 UTC, Serdolik v2	Russian diplo
14414 kHz, 09-07, 1044 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
14688 kHz, 10-07, 0935 UTC, Serdolik v2	Russian diplo. Selcal
14686 kHz, 10-07, 0935 UTC, Serdolik v2	Russian diplo. Traffic
12177 kHz, 10-07, 1242 UTC, MFSK-6	MFA Moscow clg 364152: Russian embassy New Delhi
13420 kHz, 11-07, 0801 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
11545 kHz, 11-07, 0832 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
13420 kHz, 11-07, 0843 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
14941 kHz, 11-07, 0828 UTC, MFSK-66	Russian diplo
20950 kHz, 12-07, 0721 UTC, MFSK-6	MFA Moscow clg 435621: Russian embassy Maputo
10814 kHz, 12-07, 0719 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
13458 kHz, 12-07, 0719 UTC, MFSK-66	Russian diplo
12188 kHz, 12-07, 0751 UTC, Serdolik v2	Russian diplo
13458 kHz, 12-07, 0729 UTC, MFSK-66	Russian diplo
11153 kHz, 12-07, 0759 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
12188 kHz, 12-07, 0800 UTC, Serdolik v2	Russian diplo

20330 kHz, 12-07, 0801 UTC, Serdolik v2	Russian diplo
11154 kHz, 12-07, 0803 UTC, Serdolik v2	Russian diplo
20334 kHz, 12-07, 0807 UTC, MFSK-6	MFA Moscow clg 164253: Russian embassy Addis Ababa
15650 kHz, 13-07, 1006 UTC, OFDM	Russian diplo
16250 kHz, 13-07, 1027 UTC, OFDM	Russian diplo
16153 kHz, 13-07, 0824 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
11155 kHz, 14-07, 0637 UTC, MFSK-6	MFA Moscow clg 341265: unid embassy
13376 kHz, 14-07, 0753 UTC, MFSK-6	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva
13399 kHz, 18-07, 0819 UTC, MFSK-66	Russian diplo
13401 kHz, 18-07, 0823 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome. Off at 0825z and back after 40 sec.
13401 kHz, 18-07, 0825 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome. Off at 0830z
18523 kHz, 18-07, 1143 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
14454 kHz, 19-07, 0626 UTC, Serdolik v2	Russian diplo. Selcal
14452 kHz, 19-07, 0629 UTC, Serdolik v2	Russian diplo
14405 kHz, 19-07, 0642 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
14452 kHz, 19-07, 0643 UTC, Serdolik v2	Russian diplo
14653 kHz, 19-07, 1057 UTC, Serdolik v2	Russian diplo. Selcal
14653 kHz, 19-07, 1104 UTC, Serdolik v2	Russian diplo
14650 kHz, 19-07, 1110 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
18245 kHz, 19-07, 1234 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
14458 kHz, 19-07, 1253 UTC, MFSK-66	Russian diplo
18755 kHz, 19-07, 1300 UTC, MFSK-66	Russian diplo
17517 kHz, 20-07, 0703 UTC, MFSK-66	Russian diplo
17517 kHz, 20-07, 0719 UTC, MFSK-66	Russian diplo
17515 kHz, 20-07, 0724 UTC, MFSK-66	Russian diplo
19511 kHz, 20-07, 0729 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
21826 kHz, 20-07, 0730 UTC, Serdolik v2	Russian diplo
21826 kHz, 20-07, 0738 UTC, Serdolik v2	Russian diplo
21826 kHz, 20-07, 0744 UTC, Serdolik v2	Russian diplo
18575 kHz, 20-07, 0744 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassu Dar es Salaam
16028 kHz, 20-07, 0748 UTC, Serdolik v2	Russian diplo. Selcal
16026 kHz, 20-07, 0749 UTC, Serdolik v2	Russian diplo
16028 kHz, 20-07, 0803 UTC, Serdolik v2	Russian diplo. Selcal
17534 kHz, 20-07, 0816 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
16026 kHz, 20-07, 0820 UTC, Serdolik v2	Russian diplo
18197 kHz, 20-07, 0916 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
20937 kHz, 20-07, 0917 UTC, MFSK-66	Russian diplo
19143 kHz, 20-07, 0918 UTC, MFSK-66	Russian diplo
13954 kHz, 21-07, 0821 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
10960 kHz, 23-07, 1043 UTC, Serdolik v2	Russian diplo
15810 kHz, 23-07, 1047 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
16117 kHz, 24-07, 0931 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
14550 kHz, 27-07, 0810 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
13427 kHz, 28-07, 0640 UTC, MFSK-6	MFA Moscow clg 341265: unid embassy

### ***Diplomatic stations: U.S.A.***

16283.6 kHz, 06-07, 0822 UTC, Mil-STD-188-141A	KXV45 US embassy, Rome, I clg KXV46 US Consulate General Marseille, F
16283.6 kHz, 06-07, 0823 UTC, Mil-STD-188-141A	KWS99 US embassy Sofia, BUL clg KWV71 US embassy Ankara, TUR
16283.6 kHz, 06-07, 0825 UTC, Mil-STD-188-141A	KWX57 US embassy Warsaw, POL clg KWS78 US embassy Bratislava, SVK
16283.6 kHz, 06-07, 0829 UTC, Mil-STD-188-141A	KWX57 US embassy Warsaw, POL clg KWX58 US Consulate General Kraków, POL



## RUSSIAN MILITARY TRANSCRIPTS

### Morse transmissions

Russian Military morse traffic

**16912 kHz, 06-07, 1335 UTC, FSK CW**

XXX XHOP XHOP 98557 12775 PUPOFRA 4730 6209 PENSOLOR 5843 7408  
UUUUU RDL RDL RDL 20956 57605 20956 57605 20956 57605 K

**14411 kHz, 09-07, 1749 UTC, FSK CW**

UUUUU RDL RDL RDL 56502 44941 56502 44941 56502 44941 K

UUUUU RDL RDL RDL 11111 90806 06383 60914 60914 04474 96584  
95274 61420 14685 68097 56827 60385 15236 44931 51583 31489  
46743 67453 37925 66956 70452 38251 40741 10303 45145 62233  
07674 89991 87192 02573 06582 51205 13622 91820 73116 09036 K

13396 kHz, 27-07, 1124 UTC

XXX XXX 24YO 24YO 64796 28973 14030 31060 KOLHOZ 1410 7646 K

### Digital transmissions

**Russian tactical datalink.**

**Mode: Akkord 1200Bd/800Hz**

6880 kHz, 06-07, 1655 UTC  
6321 kHz, 08-07, 2050 UTC  
6880 kHz, 08-07, 2050 UTC  
6970 kHz, 10-07, 0820 UTC  
6880 kHz, 13-07, 1715 UTC  
6970 kHz, 13-07, 1715 UTC  
6970 kHz, 17-07, 0824 UTC  
5880 kHz, 26-07, 2016 UTC  
5880 kHz, 27-07, 1811 UTC  
6320 kHz, 27-07, 1811 UTC  
6320 kHz, 28-07, 2056 UTC



## LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	6-7	1655	6880	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	8-7	2050	6321	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	8-7	2050	6880	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-7	0820	6970	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-7	1715	6880	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-7	1715	6970	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	17-7	0824	6970	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	26-7	2016	5880	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-7	1811	5880	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-7	1811	6320	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	28-7	2056	6320	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
<b>BUL</b>	3-7	0600	18518	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	3-7	1227	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	3-7	1228	17440	Mon	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	3-7	1255	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	4-7	1227	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	4-7	1229	17440	Tue	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	4-7	1258	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	5-7	0600	18518	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	5-7	1227	17440	Wed	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	5-7	1228	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	5-7	1258	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	6-7	1226	17440	Thu	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	6-7	1227	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	6-7	1257	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	7-7	1225	17440	Fri	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	7-7	1228	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	7-7	1256	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	10-7	1229	17440	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	10-7	1259	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	11-7	1228	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	11-7	1228	17440	Tue	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	11-7	1257	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	12-7	1228	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	12-7	1228	17440	Wed	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	12-7	1257	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	13-7	0837	16285	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	13-7	1227	17440	Thu	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)

<b>BUL</b>	13-7	1230	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	13-7	1257	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	14-7	1226	17440	Fri	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	14-7	1232	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	17-7	1229	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	17-7	1229	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	17-7	1259	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	18-7	1229	17440	Tue	MFA Sofia wkg unid embassy. QSX 13365 kHz	RFSM	(AB)
<b>BUL</b>	18-7	1230	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
<b>BUL</b>	18-7	1259	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	19-7	1230	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	19-7	1230	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	19-7	1300	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	20-7	1227	17440	Thu	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	20-7	1228	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	20-7	1256	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	21-7	1227	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	21-7	1232	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	21-7	1300	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	27-7	1228	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	27-7	1228	17440	Thu	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	27-7	1257	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	28-7	1223	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	28-7	1227	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	28-7	1258	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>BUL</b>	31-7	1229	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
<b>BUL</b>	31-7	1230	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
<b>BUL</b>	31-7	1258	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>DPRK</b>	3-7	0810	12200	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	3-7	0820	16255	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	3-7	0830	12800	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	4-7	0630	13400	Tue	North Korean diplo. QSX 13500 kHz	DPRK ARQ 600 LSB	(AB)
<b>DPRK</b>	4-7	0630	13500	Tue	North Korean diplo. QSX 13400 kHz	DPRK ARQ 600 LSB	(AB)
<b>DPRK</b>	4-7	0630	16250	Tue	North Korean diplo. QSX 16252 kHz	DPRK ARQ 600 LSB	(AB)
<b>DPRK</b>	4-7	0630	16252	Tue	North Korean diplo. QSX 16250 kHz	DPRK ARQ 600 LSB	(AB)
<b>DPRK</b>	5-7	0729	14300	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	0719	16255	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	0733	14300	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	0800	14300	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	0800	16255	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	1332	16250	Thu	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	6-7	1332	16252	Thu	North Korean diplo. QSX 16250 kHz	DPRK-ARQ 600 LSB	(AB)

DPRK	11-7	1300	13400	Tue	North Korean diplo. QSX 13500 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	11-7	1300	13500	Tue	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	11-7	1300	16252	Tue	North Korean diplo hub Moscow	DPRK-ARQ 600 LSB	(AB)
DPRK	12-7	1227	13400	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12-7	1230	16250	Wed	DPRK embassy Damascus wkg DPRK hub Moscow on 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	12-7	1230	16252	Wed	DPRK hub Moscow wkg DPRK embassy Damascus on 16250 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	13-7	0800	16255	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	18-7	1300	16250	Tue	DPRK embassy Damascus wkg DPRK hub Moscow on 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	18-7	1300	16252	Tue	DPRK hub Moscow wkg DPRK embassy Damascus on 16250 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	19-7	0832	11050	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-7	0455	12400	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	3-7	0210	11632	Mon	537_19 46 14614 96525 ... __90_2_109_2171_19 46 00000	USB	(PY)
E06	4-7	0210	11632	Tue	537_19 46 14614 96525 ... __90_2_109_2171_19 46 00000	USB	(PY)
E06	4-7	0310	13827	Tue	537_19 46 14614 96525 ... __90_2_109_2171_19 46 00000	USB	(PY)
E06	6-7	0300	14845	Thu	361 258 43 1448_85866 0_107 ... 23561 35884 98097 258 43 00000	USB	(PY)
E06	6-7	0400	12182	Thu	361 258 43 1448_85866 0_107 ... 23561 35884 98097 258 43 00000	USB	(PY)
E06	6-7	0500	13825	Thu	679 312 312 54 54 13995 57227 24567 ... 27954 58409 48614 312 312 54 54 00000	USB	(AB/HFD/Lac)
E06	6-7	0600	15615	Thu	679 312 312 54 54 13995 57227 24567 ... 27954 58409 48614 312 312 54 54 00000	USB	(AB/HFD/Lac)
E06	7-7	0300	14845	Fri	361 258 43 1448_85866 0_107 ... 23561 35884 98097 258 43 00000	USB	(PY)
E06	7-7	0500	13825	Fri	679 312 312 54 54 13995 57227 24567 ... 27954 58409 48614 312 312 54 54 00000	USB	(AB)
E06	7-7	0500	13825	Fri	679 312 54, repeat from 06-07-2023	USB	(Lac)
E06	7-7	0600	15615	Fri	679 312 312 54 54 13995 57227 24567 ... 27954 58409 48614 312 312 54 54 00000	USB	(AB)
E06	7-7	0600	15615	Fri	679 312 54, repeat from 06-07-2023	USB	(Lac)
E06	10-7	0210	11632	Mon	537 860 47 48847 27564 08787 ... 6892_86350 08927 860 47 00000	USB	(PY/HFD)
E06	10-7	0310	13830	Mon	537 860 47 48847 27564 08787 ... 6892_86350 08927 860 47 00000	USB	(PY/HFD)
E06	11-7	0210	11632	Tue	537 860 47 48847 27564 08787 ... 6892_86350 08927 860 47 00000	USB	(PY)
E06	11-7	0310	13827	Tue	537 860 47 48847 27564 08787 ... 6892_86350 08927 860 47 00000	USB	(PY)
E06	13-7	0300	14845	Thu	361 709 44 83252 26532 91530 ... 15655 01988 44048 709 44 00000	USB	(PY)
E06	13-7	0400	12189	Thu	361 709 44 83252 26532 91530 ... 15655 01988 44048 709 44 00000	USB	(PY)
E06	14-7	0300	14845	Fri	361 709 44 83252 26532 91530 ... 15655 01988 44048 709 44 00000	USB	(PY)
E06	14-7	0400	12189	Fri	361 709 44 83252 26532 91530 ... 15655 01988 44048 709 44 00000	USB	(PY)
E06	17-7	0210	11632	Mon	537 129 48 99191 0__6_1893 ... _141_4 97726 14710 129 48 00000	USB	(PY)
E06	17-7	0310	13830	Mon	537 129 48 99191 0__6_1893 ... _141_4 97726 14710 129 48 00000	USB	(PY)
E06	18-7	0210	11632	Tue	537 129 48 99191 0__6_1893 ... _141_4 97726 14710 129 48 00000	USB	(PY)
E06	18-7	0310	13831	Tue	537 129 48 99191 0__6_1893 ... _141_4 97726 14710 129 48 00000	USB	(PY)
E06	20-7	0500	13528	Thu	679 841 50 97003 78801 52178 ... 34154 20415 82598 841 50 00000	USB	(AB/Lac)
E06	20-7	0600	15615	Thu	679 841 50 97003 78801 52178 ... 34154 20415 82598 841 50 00000	USB	(AB/Lac)
E06	21-7	0500	13528	Fri	679 841 50 97003 78801 52178 ... 34154 20415 82598 841 50 00000	USB	(AB)
E06	21-7	0500	13825	Fri	679 841 50, repeat from 20-07-2023	USB	(Lac)
E06	21-7	0600	15615	Fri	679 841 50 97003 78801 52178 ... 34154 20415 82598 841 50 00000	USB	(AB)
E06	21-7	0600	15615	Fri	679 841 50, repeat from 20-07-2023	USB	(Lac)
E06	24-7	0210	11632	Mon	537 680 49 90175 89337 00063 ... 826_8_001___5_680 48 00000	USB	(PY)

E06	24-7	0310	13833	Mon	537 680 49 90175 89337 00063 ... 826_8_001_ ___5_ 680 48 00000	USB	(PY)
E06	25-7	0210	11632	Tue	537 680 49 90175 89337 00063 ... 826_8_001_ ___5_ 680 48 00000	USB	(PY)
E06	25-7	0310	13832	Tue	537 680 49 90175 89337 00063 ... 826_8_001_ ___5_ 680 48 00000	USB	(PY)
E06	27-7	0300	14845	Thu	361 285 46 06259 33305 15790 ... 23477 71003 18540 285 46 00000	USB	(PY/HFD)
E06	27-7	0400	12189	Thu	361 285 46 06259 33305 15790 ... 23477 71003 18540 285 46 00000	USB	(PY/HFD)
E06	28-7	0300	14845	Fri	361 285 46 06259 33305 15790 ... 23477 71003 18540 285 46 00000	USB	(PY)
E06	28-7	0400	12189	Fri	361 285 46 06259 33305 15790 ... 23477 71003 18540 285 46 00000	USB	(PY)
E06	31-7	0210	11632	Mon	537 142 50 37796 08200 68431 ... 93020 57144 50391 142 50 00000	USB	(PY)
E06	31-7	0310	13832	Mon	537 142 50 37796 08200 68431 ... 93020 57144 50391 142 50 00000	USB	(PY)
E07	1-7	1300	12176	Sat	152 152 152 000	USB	(AB/XAH/MPJ)
E07	1-7	1320	11576	Sat	152 152 152 000	USB	(AB/MPJ)
E07	1-7	1410	13562	Sat	441 441 441 000	USB	(AB/XAH/MPJ/HFD)
E07	1-7	1430	14862	Sat	441 441 441 000	USB	(AB/MPJ/HFD)
E07	2-7	0600	10317	Sun	312 312 312 000	USB	(AB)
E07	2-7	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	4-7	1500	16232	Tue	231 231 231 1 (R) 1 4 (restart) 231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB/HFD/Lac)
E07	4-7	1520	18332	Tue	231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB/HFD-KWT/Lac)
E07	4-7	1540	19132	Tue	231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB/HFD/Lac)
E07	6-7	1410	13562	Thu	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB/MPJ/Lac)
E07	6-7	1430	14862	Thu	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB/MPJ/Lac)
E07	6-7	1450	16162	Thu	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB/MPJ/Lac)
E07	7-7	1500	16232	Fri	231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB-RUS/Lac)
E07	7-7	1520	18332	Fri	231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB-RUS)
E07	7-7	1540	19132	Fri	231 231 231 1 174 56 174 56 94121 66277 10954 ... 39614 33507 53747 000 000	USB	(AB-RUS)
E07	8-7	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	8-7	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	8-7	1410	13562	Sat	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB)
E07	8-7	1430	14862	Sat	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB)
E07	8-7	1450	16162	Sat	441 441 441 1 4904 72 4904 72 43105 97159 70690 ... 92339 02552 13136 000 000	USB	(AB)
E07	9-7	0600	10317	Sun	312 312 312 000	USB	(AB/Luc)
E07	9-7	0620	11117	Sun	312 312 312 000	USB	(AB/Luc)
E07	11-7	1500	16232	Tue	231 231 231 000	USB	(AB)
E07	11-7	1520	18332	Tue	231 231 231 000	USB	(AB/RL-HOL)
E07	13-7	1410	13562	Thu	441 441 441 000	USB	(AB/MPJ)
E07	13-7	1430	14862	Thu	441 441 441 000	USB	(AB/MPJ)
E07	14-7	1500	16232	Fri	231 231 231 000	USB	(AB-RUS)
E07	14-7	1520	18332	Fri	231 231 231 000	USB	(AB-RUS)
E07	15-7	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	15-7	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	15-7	1410	13562	Sat	441 441 441 000	USB	(AB)
E07	15-7	1430	14862	Sat	441 441 441 000	USB	(AB)

E07	16-7	0600	10317	Sun	312 312 312 000	USB	(AB/Luc)
E07	16-7	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	18-7	1500	16232	Tue	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB)
E07	18-7	1520	18332	Tue	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB)
E07	18-7	1540	19132	Tue	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB)
E07	20-7	1410	13562	Thu	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/Lac)
E07	20-7	1430	14862	Thu	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/Lac)
E07	20-7	1450	16162	Thu	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/Lac)
E07	21-7	1500	16232	Fri	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB)
E07	21-7	1520	18332	Fri	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB-RUS)
E07	21-7	1540	19132	Fri	231 231 231 1 303 72 303 72 92700 27861 59756 ... 33306 53034 86993 000 000	USB	(AB-RUS)
E07	22-7	1300	12176	Sat	152 152 152 000	USB	(AB/MPJ)
E07	22-7	1320	11576	Sat	152 152 152 000	USB	(AB/MPJ)
E07	22-7	1410	13562	Sat	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/MPJ)
E07	22-7	1430	14862	Sat	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/MPJ)
E07	22-7	1450	16162	Sat	441 441 441 1 5907 56 5907 56 71292 45866 02232 ... 60321 55399 77451 000 000	USB	(AB/MPJ)
E07	23-7	0600	10317	Sun	312 312 312 000	USB	(AB)
E07	23-7	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	25-7	1500	16232	Tue	231 231 231 000	USB	(AB)
E07	25-7	1520	18332	Tue	231 231 231 000	USB	(AB)
E07	27-7	1410	13562	Thu	441 441 441 000	USB	(AB)
E07	27-7	1430	14862	Thu	441 441 441 000	USB	(AB)
E07	28-7	1500	16232	Fri	231 231 231 000	USB	(AB)
E07	28-7	1520	18332	Fri	231 231 231 000	USB	(AB)
E07	29-7	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	29-7	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	29-7	1410	13562	Sat	441 441 441 000	USB	(AB)
E07	29-7	1430	14862	Sat	441 441 441 000	USB	(AB)
E07	30-7	0600	10317	Sun	312 312 312 000	USB	(AB)
E07	30-7	0620	11117	Sun	312 312 312 000	USB	(AB/SOB)
E11	1-7	0700	7377	Sat	491/00 Out	USB	(AB/Lac)
E11	1-7	1430	12984	Sat	917/00 Out	USB	(AB/XAH/MPJ)
E11	1-7	1530	5082	Sat	364/00 Out	USB	(AB)
E11	1-7	1910	4783	Sat	391/00 Out	USB	(AB)
E11	2-7	0600	9150	Sun	358/00 Out	USB	(AB/Lac)
E11	2-7	0700	7377	Sun	495/00 Out	USB	(AB)
E11	2-7	1530	5082	Sun	368/00 Out	USB	(AB)
E11	2-7	1605	5231	Sun	233/00 Out	USB	(AB)
E11	2-7	1745	14410	Sun	246/00 Out	USB	(AB)
E11	2-7	1815	12229	Sun	922/00 Out	USB	(AB)
E11	2-7	1910	9610	Sun	612/00 Out	USB	(AB)
E11	2-7	1910	9610	Sun	612/00 Out	USB	(AB/Lac)

E11	2-7	2000	5409	Sun	520/00 Out	USB	(AB/Lac)
E11	3-7	0315	14972	Mon	250/00 Out	USB	(AB)
E11	3-7	0450	7469	Mon	418/00 Out	USB	(AB)
E11	3-7	0715	18030	Mon	750/00 Out	USB	(AB/Lac)
E11	3-7	0830	16335	Mon	188/00 Out	USB	(AB/Lac)
E11	3-7	0900	9052	Mon	530/00 Out	USB	(AB/Lac)
E11	3-7	1045	12089	Mon	693/00 Out	USB	(AB/Lac)
E11	3-7	1300	5737	Mon	313/00 Out	USB	(AB-POL)
E11	3-7	1745	14410	Mon	242/00 Out	USB	(AB/Lac)
E11	4-7	0645	8091	Tue	512/00 Out	USB	(AB/Lac)
E11	4-7	0700	8680	Tue	570/00 Out	USB	(AB/Lac)
E11	4-7	0715	10429	Tue	636/00 Out	USB	(AB)
E11	4-7	1000	12153	Tue	304/00 Out	USB	(AB/Lac)
E11	4-7	1205	6304	Tue	462/00 Out	USB	(AB)
E11	4-7	1605	5231	Tue	233/00 Out	USB	(AB-POL/Lac)
E11	4-7	1645	14575	Tue	332/00 Out	USB	(AB/Lac)
E11	5-7	0315	14972	Wed	255/00 Out	USB	(AB-POL/Lac)
E11	5-7	0715	18030	Wed	759/00 Out	USB	(Lac)
E11	5-7	0900	9052	Wed	538/00 Out	USB	(AB)
E11	5-7	1045	12089	Wed	696/00 Out	USB	(AB)
E11	5-7	1205	6304	Wed	460/00 Out	USB	(AB-POL)
E11	5-7	1715	7863	Wed	978/00 Out	USB	(AB)
E11	5-7	1910	4783	Wed	391/00 Out	USB	(AB)
E11	6-7	0645	8091	Thu	511/00 Out	USB	(AB/Lac)
E11	6-7	0820	4909	Thu	434/00 Out	USB	(AB-POL/Lac)
E11	6-7	1300	5737	Thu	311/00 Out	USB	(AB/Lac)
E11	6-7	1645	14575	Thu	334/00 Out	USB	(AB/MPJ)
E11	6-7	1645	14575	Thu	334/00 Out	USB	(Lac)
E11	6-7	1730	8088	Thu	412/00 Out	USB	(AB/Lac)
E11	7-7	0600	9150	Fri	351/00 Out	USB	(AB/Lac)
E11	7-7	0700	8680	Fri	570/00 Out	USB	(AB)
E11	7-7	0715	10429	Fri	630/00 Out	USB	(AB/Lac)
E11	7-7	0820	4909	Fri	436/00 Out	USB	(AB-POL)
E11	7-7	0830	16335	Fri	183/00 Out	USB	(AB/Lac)
E11	7-7	1000	12153	Fri	302/00 Out	USB	(AB/Lac)
E11	7-7	1715	7863	Fri	974/00 Out	USB	(AB/Lac)
E11	7-7	1815	12229	Fri	929/00 Out	USB	(AB-POL)
E11	7-7	1910	9610	Fri	616/00 Out	USB	(Lac)
E11	8-7	1910	4783	Sat	393/00 Out	USB	(AB)
E11	9-7	0600	9150	Sun	352/00 Out	USB	(AB/Lac)
E11	9-7	1605	5231	Sun	235/00 Out	USB	(AB)
E11	9-7	1745	14410	Sun	248/00 Out	USB	(AB)



E11	9-7	1815	12229	Sun	929/00 Out	USB	(AB)
E11	9-7	1910	9610	Sun	610/00 Out	USB	(AB)
E11	10-7	0315	14972	Mon	255/00 Out	USB	(AB)
E11	10-7	0715	18030	Mon	751/00 Out	USB	(AB)
E11	10-7	0745	9610	Mon	266/00 Out	USB	(AB)
E11	10-7	0830	16335	Mon	180/00 Out	USB	(AB)
E11	10-7	0845	12815	Mon	715/00 Out	USB	(AB)
E11	10-7	0900	9052	Mon	538/00 Out	USB	(AB)
E11	10-7	1045	12089	Mon	691/00 Out	USB	(AB)
E11	10-7	1300	5737	Mon	314/00 Out	USB	(AB-POL)
E11	10-7	1745	14410	Mon	244/00 Out	USB	(AB)
E11	10-7	1900	7600	Mon	641/00 Out	USB	(AB)
E11	11-7	0645	8091	Tue	510/00 Out	USB	(AB)
E11	11-7	0700	8680	Tue	576/00 Out	USB	(AB)
E11	11-7	0715	10429	Tue	636/00 Out	USB	(AB)
E11	11-7	0745	14940	Tue	220/00 Out	USB	(AB)
E11	11-7	0820	17378	Tue	130/00 Out	USB	(AB-POL)
E11	11-7	0845	19184	Tue	159/00 Out	USB	(AB-POL)
E11	11-7	1000	12153	Tue	302/00 Out	USB	(AB)
E11	11-7	1205	6304	Tue	464/00 Out	USB	(AB)
E11	11-7	1430	12984	Tue	917/00 Out	USB	(AB)
E11	11-7	1605	5231	Tue	232/00 Out	USB	(AB-POL)
E11	12-7	0315	14972	Wed	250/00 Out	USB	(AB-POL)
E11	12-7	0715	18030	Wed	753/00 Out	USB	(AB-POL/Lac)
E11	12-7	0745	15720	Wed	348/00 Out	USB	(AB)
E11	12-7	0745	15720	Wed	348/00 Out	USB	(Lac)
E11	12-7	0820	17378	Wed	133/00 Out	USB	(AB/Lac)
E11	12-7	0845	12815	Wed	715/00 Out	USB	(AB/Lac)
E11	12-7	0900	9052	Wed	533/00 Out	USB	(AB/Lac)
E11	12-7	0930	6923	Wed	276/00 Out	USB	(AB-POL/Lac)
E11	12-7	1045	12089	Wed	698/00 Out	USB	(AB/Lac)
E11	12-7	1205	6304	Wed	463/00 Out	USB	(AB-POL/Lac)
E11	12-7	1715	7863	Wed	970/00 Out	USB	(AB)
E11	13-7	0645	8091	Thu	519/00 Out	USB	(AB/Lac)
E11	13-7	0745	14940	Thu	225/00 Out	USB	(AB)
E11	13-7	0820	4909	Thu	431/00 Out	USB	(AB-POL)
E11	13-7	0845	19184	Thu	154/00 Out	USB	(AB)
E11	13-7	0930	6923	Thu	278/00 Out	USB	(AB-POL)
E11	13-7	1300	5737	Thu	311/00 Out	USB	(AB)
E11	13-7	1530	10356	Thu	264/00 Out	USB	(AB/MPJ)
E11	13-7	1900	7600	Thu	643/00 Out	USB	(AB/Lac)
E11	14-7	0600	9150	Fri	352/00 Out	USB	(AB/Lac)

E11	14-7	0700	8680	Fri	574/00 Out	USB	(AB)
E11	14-7	0700	8680	Fri	574/00 Out	USB	(Lac)
E11	14-7	0715	10429	Fri	633/00 Out	USB	(AB/Lac)
E11	14-7	0745	15720	Fri	348/00 Out	USB	(AB)
E11	14-7	0745	15720	Fri	348/00 Out	USB	(Lac)
E11	14-7	0820	4909	Fri	434/00 Out	USB	(AB-POL/Lac)
E11	14-7	0830	16335	Fri	184/00 Out	USB	(AB/Lac)
E11	14-7	1000	12153	Fri	305/00 Out	USB	(AB)
E11	14-7	1715	7863	Fri	970/00 Out	USB	(AB/MPJ)
E11	15-7	0700	7377	Sat	495/00 Out	USB	(AB/Lac)
E11	15-7	1430	12984	Sat	911/00 Out	USB	(AB)
E11	15-7	1530	5082	Sat	368/00 Out	USB	(MPJ-AUT/Lac)
E11	16-7	0600	9150	Sun	351/00 Out	USB	(AB/Lac)
E11	16-7	0700	7377	Sun	496/00 Out	USB	(AB/Lac)
E11	16-7	1530	5082	Sun	360/00 Out	USB	(AB)
E11	16-7	1605	5231	Sun	235/00 Out	USB	(AB)
E11	16-7	1745	14410	Sun	246/00 Out	USB	(AB)
E11	16-7	2000	5409	Sun	525/00 Out	USB	(AB)
E11	17-7	0450	7469	Mon	415/00 Out	USB	(AB)
E11	17-7	0745	9610	Mon	269/00 Out	USB	(AB)
E11	17-7	0830	16335	Mon	182/00 Out	USB	(AB-POL)
E11	17-7	0845	12815	Mon	718/00 Out	USB	(AB)
E11	17-7	1045	12089	Mon	697/00 Out	USB	(AB)
E11	17-7	1300	5737	Mon	316/00 Out	USB	(AB-POL)
E11	17-7	1900	7600	Mon	647/00 Out	USB	(AB)
E11	18-7	0645	8091	Tue	517/00 Out	USB	(AB)
E11	18-7	0745	14940	Tue	228/00 Out	USB	(AB)
E11	18-7	0820	17378	Tue	135/00 Out	USB	(AB/Lac)
E11	18-7	0845	19184	Tue	157/00 Out	USB	(AB-POL/Lac)
E11	18-7	1000	12153	Tue	309/00 Out	USB	(AB/Lac)
E11	18-7	1205	6304	Tue	461/00 Out	USB	(AB)
E11	18-7	1431	12984	Tue	917/00 Out. Late start	USB	(AB/Lac)
E11	18-7	1605	5231	Tue	235/00 Out	USB	(AB-POL)
E11	18-7	1645	14575	Tue	333/00 Out	USB	(AB/Lac)
E11	19-7	0715	18030	Wed	754/00 Out	USB	(AB-POL/Lac)
E11	19-7	0745	15720	Wed	343/00 Out	USB	(AB/Lac)
E11	19-7	0820	17378	Wed	131/00 Out	USB	(AB/Lac)
E11	19-7	0845	12815	Wed	711/00 Out	USB	(AB/Lac)
E11	19-7	0930	6923	Wed	271/00 Out	USB	(AB-POL)
E11	19-7	1045	12089	Wed	694/00 Out	USB	(AB)
E11	19-7	1205	6304	Wed	466/00 Out	USB	(AB-POL)
E11	19-7	1910	4783	Wed	395/00 Out	USB	(AB)



E11	20-7	0645	8091	Thu	518/00 Out	USB	(AB)
E11	20-7	0745	14940	Thu	229/00 Out	USB	(AB)
E11	20-7	0845	19184	Thu	151/00 Out	USB	(AB)
E11	20-7	0930	6923	Thu	275/00 Out	USB	(AB-POL/Lac)
E11	20-7	1300	5737	Thu	312/00 Out	USB	(AB/Lac)
E11	20-7	1530	10356	Thu	261/00 Out	USB	(AB/Lac)
E11	20-7	1645	14575	Thu	332/00 Out	USB	(AB)
E11	20-7	1730	8088	Thu	412/00 Out	USB	(AB/Lac)
E11	20-7	1900	7600	Thu	647/00 Out	USB	(AB)
E11	20-7	2000	5409	Thu	525/00 Out	USB	(Lac)
E11	21-7	0830	16335	Fri	181/00 Out	USB	(AB/Lac)
E11	21-7	1000	12153	Fri	309/00 Out	USB	(AB)
E11	21-7	1815	12229	Fri	920/00 Out	USB	(AB-POL/MPJ)
E11	21-7	1910	9610	Fri	612/00 Out	USB	(AB)
E11	22-7	0700	7377	Sat	492/00 Out	USB	(AB)
E11	22-7	1430	12984	Sat	911/00 Out	USB	(AB)
E11	22-7	1530	5082	Sat	367/00 Out	USB	(AB-POL)
E11	22-7	1910	4783	Sat	391/00 Out	USB	(AB)
E11	23-7	0700	7377	Sun	496/00 Out	USB	(AB)
E11	23-7	1530	5082	Sun	360/00 Out	USB	(AB)
E11	23-7	1605	5231	Sun	235/00 Out	USB	(AB)
E11	23-7	1815	12229	Sun	920/00 Out	USB	(AB/MPJ)
E11	23-7	1910	9610	Sun	612/00 Out	USB	(AB)
E11	23-7	2000	5409	Sun	528/00 Out	USB	(AB)
E11	24-7	0315	14972	Mon	250/00 Out	USB	(AB-POL/HFD)
E11	24-7	0450	7469	Mon	414/00 Out	USB	(AB/Lac)
E11	24-7	0745	9610	Mon	261/00 Out	USB	(AB)
E11	24-7	0845	12815	Mon	718/00 Out	USB	(AB/Lac)
E11	24-7	0900	9052	Mon	538/00 Out	USB	(AB/Lac)
E11	24-7	1745	14410	Mon	248/00 Out	USB	(AB/MPJ)
E11	24-7	1900	7600	Mon	649/00 Out	USB	(AB)
E11	25-7	0700	8680	Tue	574/00 Out	USB	(AB/Lac)
E11	25-7	0715	10429	Tue	631/00 Out	USB	(AB/Lac)
E11	25-7	0745	14940	Tue	220/00 Out	USB	(AB/Lac)
E11	25-7	0820	17378	Tue	136/00 Out	USB	(AB/Lac)
E11	25-7	0845	19184	Tue	157/00 Out	USB	(AB)
E11	25-7	1430	12984	Tue	911/00 Out	USB	(AB/MPJ/Lac)
E11	25-7	1645	14575	Tue	337/00 Out	USB	(AB/MPJ)
E11	26-7	0315	14972	Wed	252/00 Out	USB	(AB-POL)
E11	26-7	0745	15720	Wed	344/00 Out	USB	(AB)
E11	26-7	0820	17378	Wed	132/00 Out	USB	(AB)
E11	26-7	0845	12815	Wed	711/00 Out	USB	(AB)

E11	26-7	0900	9052	Wed	536/00 Out	USB	(AB)
E11	26-7	0930	6923	Wed	270/00 Out	USB	(AB-POL)
E11	26-7	1715	7863	Wed	970/00 Out	USB	(AB/MPJ)
E11	26-7	1910	4783	Wed	393/00 Out	USB	(AB)
E11	27-7	0745	14940	Thu	221/00 Out	USB	(AB)
E11	27-7	0820	4909	Thu	435/00 Out	USB	(AB-POL)
E11	27-7	0845	19184	Thu	154/00 Out	USB	(AB-POL)
E11	27-7	0930	6923	Thu	270/00 Out	USB	(AB-POL)
E11	27-7	1530	10356	Thu	267/00 Out	USB	(AB)
E11	27-7	1645	14575	Thu	335/00 Out	USB	(AB)
E11	27-7	1730	8088	Thu	412/00 Out	USB	(AB-POL)
E11	27-7	1900	7600	Thu	644/00 Out	USB	(AB)
E11	28-7	0600	9150	Fri	355/00 Out	USB	(AB)
E11	28-7	0700	8680	Fri	574/00 Out	USB	(AB)
E11	28-7	0715	10429	Fri	631/00 Out	USB	(AB)
E11	28-7	0745	15720	Fri	344/00 Out	USB	(AB)
E11	28-7	0820	4909	Fri	436/00 Out	USB	(AB-POL)
E11	28-7	1715	7863	Fri	970/00 Out	USB	(AB)
E11	28-7	1815	12229	Fri	925/00 Out	USB	(AB/MPJ)
E11	28-7	1910	9610	Fri	611/00 Out	USB	(AB)
E11	29-7	0700	7377	Sat	492/00 Out	USB	(AB)
E11	29-7	1430	12984	Sat	919/00 Out	USB	(AB)
E11	29-7	1530	5082	Sat	368/00 Out	USB	(AB)
E11	29-7	1910	4783	Sat	393/00 Out	USB	(AB)
E11	30-7	0600	9150	Sun	359/00 Out	USB	(AB/SOB)
E11	30-7	0700	7377	Sun	490/00 Out	USB	(AB/SOB)
E11	30-7	1530	5082	Sun	368/00 Out	USB	(AB/MPJ)
E11	30-7	1745	14410	Sun	244/00 Out	USB	(AB/MPJ)
E11	30-7	1815	12229	Sun	926/00 Out	USB	(AB/MPJ)
E11	30-7	1910	9610	Sun	610/00 Out	USB	(AB)
E11	30-7	2000	5409	Sun	528/00 Out	USB	(AB)
E11	31-7	0315	14972	Mon	256/00 Out	USB	(AB-POL)
E11	31-7	0450	7469	Mon	410/00 Out	USB	(AB/Lac)
E11	31-7	0715	18030	Mon	754/00 Out	USB	(AB/Lac)
E11	31-7	0745	9610	Mon	261/00 Out	USB	(AB/Lac)
E11	31-7	0830	16335	Mon	181/00 Out	USB	(AB/Lac)
E11	31-7	0845	12815	Mon	718/00 Out	USB	(AB/Lac)
E11	31-7	0900	9052	Mon	534/00 Out	USB	(AB/Lac)
E11	31-7	1045	12089	Mon	692/00 Out	USB	(AB)
E11	31-7	1300	5737	Mon	311/00 Out	USB	(AB-POL)
E11	31-7	1745	14410	Mon	248/00 Out	USB	(AB/MPJ/Lac)
E11	31-7	1900	7600	Mon	646/00 Out	USB	(AB/Lac)

E11a	3-7	0745	9610	Mon	261/31 Attention 17625 28283 37273 ... 74416 25431 25981 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	3-7	0845	12815	Mon	710/38 Attention 24097 10784 42150 ... 47653 66914 51143 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	3-7	1900	7600	Mon	640/32 Attention 48261 37464 29698 ... 11849 93853 28745 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-7	0745	14940	Tue	223/33 Attention 34320 74512 48500 ... 95436 59984 53998 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-7	0820	17378	Tue	134/31 Attention 47586 55212 37549 ... 26710 31284 21559 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	4-7	0845	19184	Tue	154/30 Attention 39739 64328 89081 ... 23660 74261 55962 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	4-7	1430	12984	Tue	914/36 Attention 99678 89812 70143 ... 20116 66688 76702 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-7	0745	15720	Wed	347/32 Attention 24056 48951 47552 ... 53432 88874 09167 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	5-7	0820	17378	Wed	134/31 Attention 47586 55212 37549 ... 26710 31284 21559 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	5-7	0845	12815	Wed	710/38 Attention 24097 10784 42150 ... 47653 66914 51143 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-7	0930	6923	Wed	270/37 Attention 27978 88847 00843 ... 31014 33092 07432 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	6-7	0745	14940	Thu	223/33 Attention 34320 74512 48500 ... 95436 59984 53998 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-7	0845	19184	Thu	154/30 Attention 39739 64328 89081 ... 23660 74261 55962 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	6-7	0930	6923	Thu	270/37 Attention 27978 88847 00843 ... 31014 33092 07432 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	6-7	1530	10356	Thu	261/31 Attention 17625 28283 37273 ... 74416 25431 25981 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	6-7	1900	7600	Thu	640/32 Attention 48261 37464 29698 ... 11849 93853 28745 Attention (msg rptd) Out	USB	(AB/RL-HOL/Lac/Subilo)
E11a	6-7	2000	5409	Thu	520/39 Attention 42915 12557 67700 ... 12946 80054 44770 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	7-7	0745	15720	Fri	347/32 Attention 24056 48951 47552 ... 53432 88874 09167 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-7	0700	7377	Sat	495/32 Attention 49466 35704 09552 ... 62045 34627 77490 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-7	1430	12984	Sat	914/36 Attention 99678 89812 70143 ... 20116 66688 76702 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	8-7	1530	5082	Sat	363/34 Attention 90212 30843 35116 ... 70166 23448 17554 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-7	0700	7377	Sun	495/32 Attention 49466 35704 09552 ... 62045 34627 77490 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-7	1530	5082	Sun	363/34 Attention 90212 30843 35116 ... 70166 23448 17554 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-7	2000	5409	Sun	520/39 Attention 42915 12557 67700... 12946 80054 44770 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-7	0450	4783	Mon	413/39 Attention 17658 82406 26988 ... 51954 73645 25375 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-7	1645	14575	Tue	338/36 Attention 24847 87282 93906 ... 96954 07162 85676 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-7	1910	4783	Wed	390/35 Attention 50992 58534 91623 ... 48499 07380 30602 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	13-7	1645	14575	Thu	338/36 Attention 24847 87282 93906 ... 96954 07162 85676 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	13-7	1645	14575	Thu	338/36 Attention 24847 87282 93906 ... 96954 07162 85676 Attention (msg rptd) Out	USB	(Subilo)
E11a	13-7	1730	8088	Thu	413/39 Attention 17658 82406 26988 ... 51954 73645 25375 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	14-7	1815	12229	Fri	925/31 Attention 98712 89953 52815 ... 68558 98202 15088 Attention (msg rptd) Out	USB	(AB-POL/MPJ/Lac/Subilo)
E11a	14-7	1910	9610	Fri	616/35 Attention 08525 39824 03848 ... 12907 30233 39453 Attention (msg rptd) Out	USB	(Lac/Subilo)
E11a	15-7	1910	4783	Sat	390/35 Attention 50992 58534 91623 ... 48499 07380 30602 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	16-7	1815	12229	Sun	925/31 Attention 98712 89953 52815 ... 68558 98202 15088 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	16-7	1910	9610	Sun	616/35 Attention 08525 39824 03848 ... 12907 30233 39453 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-7	0315	14972	Mon	258/40 Attention 16712 05188 15103 ... 33622 21036 37333 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	17-7	0900	9052	Mon	538/35 Attention 33523 81147 82625 ... 51168 64115 06230 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-7	1745	14410	Mon	249/33 Attention 45539 06479 19650 ... 83992 60022 80081 Attention (msg rptd) Out	USB	(AB/MPJ/Lac/Subilo)
E11a	18-7	0700	8680	Tue	577/37 Attention 65292 75991 37362 ... 57751 86947 13023 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	18-7	0715	10429	Tue	635/30 Attention 78378 50350 21188 ... 24447 92556 38887 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	19-7	0315	14972	Wed	258/40 Attention 16712 05188 15103 ... 33622 21036 37333 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	19-7	0700	8680	Wed	577/37 Attention 65292 75991 37362 ... 57751 86947 13023 Attention (msg rptd) Out	USB	(Subilo)

E11a	19-7	0900	9052	Wed	538/35 Attention 33523 81147 82625 ... 51168 64115 06230 Attention (msg rptd) Out	USB	(Subilo)
E11a	19-7	1715	7863	Wed	978/35 Attention 47948 34723 13064 ... 21585 31325 57136 Attention (msg rptd) Out	USB	(Subilo)
E11a	20-7	0820	4909	Thu	431/36 Attention 48497 81123 21942 ... 64061 02812 02125 Attention (msg rptd) Out	USB	(AB-POL)
E11a	21-7	0600	9150	Fri	358/35 Attention 91688 56029 20435 ... 12772 96750 12250 Attention (msg rptd) Out	USB	(AB)
E11a	21-7	0700	8680	Fri	577/37 Attention 65292 75991 37362 ... 57751 86947 13023 Attention (msg rptd) Out	USB	(AB)
E11a	21-7	0715	10429	Fri	635/30 Attention 78378 50350 21188 ... 24447 92556 38887 Attention (msg rptd) Out	USB	(AB)
E11a	21-7	0820	4909	Fri	431/36 Attention 48497 81123 21942 ... 64061 02812 02125 Attention (msg rptd) Out	USB	(AB-POL)
E11a	21-7	1715	7863	Fri	978/35 Attention 47948 34723 13064 ... 21585 31325 57136 Attention (msg rptd) Out	USB	(AB/MPJ/Subilo)
E11a	23-7	0600	9150	Sun	358/35 Attention 91688 56029 20435 ... 12772 96750 12250 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-7	1745	14410	Sun	249/33 Attention 45539 06479 19650 ... 83992 60022 80081 Attention (msg rptd) Out	USB	(AB/MPJ/Subilo)
E11a	24-7	0715	18030	Mon	752/34 Attention 70408 93724 07243 ... 55294 90327 18181 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-7	0830	16335	Mon	184/32 Attention 11740 33552 97236 ... 02912 10189 00439 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	24-7	1045	12089	Mon	694/34 Attention 33860 43758 11587 ... 95591 20298 03462 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	24-7	1300	5737	Mon	319/32 Attention 91692 16583 73410 ... 24601 90349 28738 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	25-7	0645	8091	Tue	512/38 Attention 82983 17823 49482 ... 39496 03097 00732 Attention (msg rptd) Out	USB	(AB)
E11a	25-7	1000	12153	Tue	307/33 Attention 71855 72054 56391 ... 75716 94751 52104 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	25-7	1205	6304	Tue	466/38 Attention 43188 83985 11922 ... 34295 56027 21410 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	25-7	1605	5231	Tue	233/36 Attention 52048 45785 48077 ... 23849 85200 62257 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	26-7	0715	18030	Wed	752/34 Attention 70408 93724 07243 ... 55294 90327 18181 Attention (msg rptd) Out	USB	(Subilo)
E11a	26-7	1045	12089	Wed	694/34 Attention 33860 43758 11587 ... 95591 20298 03462 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	26-7	1205	6304	Wed	466/38 Attention 43188 83985 11922 ... 34295 56027 21410 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	27-7	0645	8091	Thu	512/38 Attention 82983 17823 49482 ... 39496 03097 00732 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-7	1300	5737	Thu	319/32 Attention 91692 16583 73410 ... 24601 90349 28738 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	28-7	0830	16335	Fri	184/32 Attention 11740 33552 97236 ... 02912 10189 00439 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	28-7	1000	12153	Fri	307/33 Attention 71855 72054 56391 ... 75716 94751 52104 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	30-7	1605	5231	Sun	233/36 Attention 52048 45785 48077 ... 23849 85200 62257 Attention (msg rptd) Out	USB	(AB/Subilo)
EGY	4-7	1655	20445.7	Tue	Egyptian diplo. Long 5-character groups message	SITOR-A 100/170	(AB)
EGY	6-7	0745	14456.7	Thu	Egyptian diplo. Long 5-character groups message	SITOR-A 100/170	(AB)
EGY	12-7	1549	21856.7	Wed	71: MFA Cairo msg to Egyptian embassy Washington	SITOR-A 100/170	(PP1)
F01	3-7	1015	11141	Mon	Russian diplo/intel. 44176 52318 60894 ... 80535 26996 15401 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-7	1025	9192	Mon	Russian diplo/intel. 44176 52318 60894 ... 80535 26996 15401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	3-7	1035	7363	Mon	Russian diplo/intel. 44176 52318 60894 ... 80535 26996 15401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	4-7	1015	11141	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	4-7	1025	9192	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	4-7	1035	7363	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	5-7	1015	11141	Wed	Russian diplo/intel. 82908 61925 06173 ... 70166 37292 18433 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	5-7	1025	9192	Wed	Russian diplo/intel. 82908 61925 06173 ... 70166 37292 18433 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	5-7	1035	7363	Wed	Russian diplo/intel. 82908 61925 06173 ... 70166 37292 18433 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	5-7	1840	14829	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	5-7	1850	12214	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/RL-HOL)
F01	5-7	1900	10932	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	6-7	1015	11141	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)

F01	6-7	1025	9192	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6-7	1035	7363	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7-7	1015	11141	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	7-7	1025	9192	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS/HFD)
F01	7-7	1035	7363	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS/HFD)
F01	10-7	1015	11141	Mon	Russian diplo/intel. 76471 29310 27637 ... 65511 41429 21403 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10-7	1025	9192	Mon	Russian diplo/intel. 76471 29310 27637 ... 65511 41429 21403 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	10-7	1035	7363	Mon	Russian diplo/intel. 76471 29310 27637 ... 65511 41429 21403 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	11-7	1015	11141	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	11-7	1025	9192	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11-7	1035	7363	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	12-7	1015	11141	Wed	Russian diplo/intel. 70622 97613 17814 ... 69228 27054 24413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	12-7	1025	9192	Wed	Russian diplo/intel. 70622 97613 17814 ... 69228 27054 24413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	12-7	1035	7363	Wed	Russian diplo/intel. 70622 97613 17814 ... 69228 27054 24413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	13-7	1015	11141	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	13-7	1025	9192	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	13-7	1035	7363	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	14-7	1015	11141	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	14-7	1025	9192	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	14-7	1035	7363	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	17-7	1015	11141	Mon	Russian diplo/intel. 09345 08944 39058 ... 11186 89012 27427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	17-7	1025	9192	Mon	Russian diplo/intel. 09345 08944 39058 ... 11186 89012 27427 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	17-7	1035	7363	Mon	Russian diplo/intel. 09345 08944 39058 ... 11186 89012 27427 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	18-7	1015	11141	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	18-7	1025	9192	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	18-7	1035	7363	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	19-7	1015	11141	Wed	Russian diplo/intel. 56631 28772 28897 ... 33464 02497 30417 00000 +++++	FSK 200/500	(AB-RUS)
F01	19-7	1025	9192	Wed	Russian diplo/intel. 56631 28772 28897 ... 33464 02497 30417 00000 +++++	FSK 200/500	(AB-RUS)
F01	19-7	1035	7363	Wed	Russian diplo/intel. 56631 28772 28897 ... 33464 02497 30417 00000 +++++	FSK 200/500	(AB-RUS)
F01	20-7	1015	11141	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	20-7	1025	9192	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	20-7	1035	7363	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	21-7	1015	11141	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	21-7	1025	9192	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	21-7	1035	7363	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	24-7	1015	11141	Mon	Russian diplo/intel. 65688 77324 05387 ... 79779 26629 33419 00000 +++++ +++++	FSK 200/500	(AB)
F01	24-7	1025	9192	Mon	Russian diplo/intel. 65688 77324 05387 ... 79779 26629 33419 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	24-7	1035	7363	Mon	Russian diplo/intel. 65688 77324 05387 ... 79779 26629 33419 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	25-7	1015	11141	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	25-7	1025	9192	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	25-7	1035	7363	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	26-7	1015	11141	Wed	Russian diplo/intel. 86090 13648 41827 ... 22973 64210 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)



F01	26-7	1025	9192	Wed	Russian diplo/intel. 86090 13648 41827 ... 22973 64210 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	26-7	1035	7363	Wed	Russian diplo/intel. 86090 13648 41827 ... 22973 64210 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	26-7	1710	5913	Wed	Russian diplo/intel. 42602 06287 63528 ... 06137 72467 75250 00000 +++++ +++++ +++++	FSK 200/500	(PY)
F01	26-7	1720	7992	Wed	Russian diplo/intel. 42602 06287 63528 ... 06137 72467 75250 00000 +++++ +++++ +++++	FSK 200/500	(PY)
F01	26-7	1730	10687	Wed	Russian diplo/intel. 42602 06287 63528 ... 06137 72467 75250 00000 +++++ +++++ +++++	FSK 200/500	(T101/Tel)
F01	27-7	1015	11141	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	27-7	1025	9192	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	27-7	1035	7363	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-7	1015	11141	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	28-7	1025	9192	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	28-7	1035	7363	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	31-7	1015	11141	Mon	Russian diplo/intel. 38603 23536 87869 ... 35723 88628 39411 00000 +++++	FSK 200/500	(AB)
F01	31-7	1025	9192	Mon	Russian diplo/intel. 38603 23536 87869 ... 35723 88628 39411 00000 +++++	FSK 200/500	(AB-RUS)
F01	31-7	1035	7363	Mon	Russian diplo/intel. 38603 23536 87869 ... 35723 88628 39411 00000 +++++	FSK 200/500	(AB-RUS)
F02	4-7	0700	16107	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	7-7	0830	14918	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	11-7	0700	16107	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	18-7	0700	16107	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	21-7	0830	14918	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	28-7	0830	14918	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F03j	3-7	0615	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	3-7	0620	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	3-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	4-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-7	0615	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-7	0620	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-7	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	5-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	5-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	6-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7-7	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0615	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	10-7	0620	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	10-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	11-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12-7	0615	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-7	0620	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-7	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	12-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-7	0810	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0815	12397	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0615	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	17-7	0620	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	17-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)



F03j	18-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-7	0615	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-7	0620	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-7	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0615	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	24-7	0620	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	24-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-7	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	25-7	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-7	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-7	0615	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-7	0620	14865	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-7	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-7	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-7	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-7	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	26-7	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	26-7	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-7	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	27-7	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	27-7	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	27-7	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-7	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-7	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-7	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-7	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0615	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
<b>F03j</b>	31-7	0620	14865	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
<b>F03j</b>	31-7	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0810	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0815	12397	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-7	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03I</b>	3-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
<b>F03I</b>	3-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
<b>F03I</b>	3-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
<b>F03I</b>	4-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
<b>F03I</b>	4-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	5-7	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-7	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-7	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-7	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-7	0635	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-7	0640	18978	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	6-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	6-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	6-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	10-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	10-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	10-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	11-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	11-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-7	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-7	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-7	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-7	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	13-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	13-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	13-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	17-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	17-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	18-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	18-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	18-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-7	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-7	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	20-7	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-7	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	24-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	25-7	0635	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(Ab)
F03I	25-7	0640	18978	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-7	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-7	0430	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-7	0435	14410	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-7	0950	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-7	0955	10125	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	0430	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	0435	14410	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-7	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0950	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	0955	10125	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-7	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	31-7	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F06	2-7	1530	20988	Sun	Russian diplo/intel. 11166 10053 12345 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-7	1540	18187	Sun	Russian diplo/intel. 11166 10053 12345 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-7	1550	16169	Sun	Russian diplo/intel. 11166 10053 12345 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0400	10538	Mon	Russian diplo/intel. 11166 70059 12345 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0410	8107	Mon	Russian diplo/intel. 11166 70059 12345 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0420	6791	Mon	Russian diplo/intel. 11166 70059 12345 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-7	0700	11159	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB)
F06	3-7	0710	9188	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB-RUS)
F06	3-7	0720	7669	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB-RUS)
F06	3-7	0800	9923	Mon	Russian diplo/intel. 11100 00000 14392 30094 04099	FSK 200/1000	(PY)
F06	3-7	0810	7369	Mon	Russian diplo/intel. 11100 00000 14392 30094 04099	FSK 200/1000	(PY)
F06	3-7	1200	10629	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB)
F06	3-7	1210	8138	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB)
F06	3-7	1220	6774	Mon	Russian diplo/intel. 11166 70202 13509 30046 02639	FSK 200/1000	(AB)
F06	4-7	0700	11159	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB)
F06	4-7	0710	9188	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB-RUS)

F06	4-7	0720	7669	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB-RUS)
F06	4-7	0800	9923	Tue	Russian diplo/intel. 11100 00000 14392 30094 04099	FSK 200/1000	(AB-RUS)
F06	4-7	0810	7369	Tue	Russian diplo/intel. 11100 00000 14392 30094 04099	FSK 200/1000	(AB-RUS)
F06	4-7	1200	10629	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB)
F06	4-7	1210	8138	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB)
F06	4-7	1220	6774	Tue	Russian diplo/intel. 11166 70202 37296 03047 01879 and 11166 70202 06589 03048 01799	FSK 200/1000	(AB)
F06	4-7	1650	10475	Tue	Russian diplo/intel. 11166 10053 95462 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-7	1700	18183	Tue	Russian diplo/intel. 11166 10053 95462 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-7	1710	16319	Tue	Russian diplo/intel. 11166 10053 95462 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-7	0600	17419	Wed	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	5-7	0610	15707	Wed	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	5-7	0620	13446	Wed	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	5-7	0700	11159	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB)
F06	5-7	0710	9188	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB-RUS)
F06	5-7	0720	7669	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB-RUS)
F06	5-7	1200	10629	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB)
F06	5-7	1210	8138	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB)
F06	5-7	1220	6774	Wed	Russian diplo/intel. 11166 70202 15068 04049 02779	FSK 200/1000	(AB)
F06	6-7	0600	17419	Thu	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	6-7	0610	15707	Thu	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	6-7	0620	13446	Thu	Russian diplo/intel. 11166 40122 15637 01062 03409	FSK 200/1000	(AB-KOR)
F06	6-7	0700	11159	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB)
F06	6-7	0710	9188	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB-RUS)
F06	6-7	0720	7669	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB-RUS)
F06	6-7	1200	10629	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB/RL-HOL))
F06	6-7	1210	8138	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB)
F06	6-7	1220	6774	Thu	Russian diplo/intel. 11166 70202 61705 05050 02139 and 11166 70202 75306 05051 02099	FSK 200/1000	(AB)
F06	6-7	1340	12229	Thu	Russian diplo/intel. 11166 80214 85236 06069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-7	1350	9958	Thu	Russian diplo/intel. 11166 80214 85236 06069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	0700	11159	Fri	Russian diplo/intel. 11166 70202 79462 07025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-7	0710	9188	Fri	Russian diplo/intel. 11166 70202 79462 07025 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	7-7	0720	7669	Fri	Russian diplo/intel. 11166 70202 79462 07025 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	10-7	0700	11159	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB)
F06	10-7	0710	9188	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB-RUS)
F06	10-7	0720	7669	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB-RUS)
F06	10-7	0800	9923	Mon	Russian diplo/intel. 11100 00000 37801 07095 02899	FSK 200/1000	(PY)
F06	10-7	0810	7369	Mon	Russian diplo/intel. 11100 00000 37801 07095 02899	FSK 200/1000	(PY)
F06	10-7	1200	10629	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB)
F06	10-7	1210	8138	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB)
F06	10-7	1220	6774	Mon	Russian diplo/intel. 11166 70202 28137 07052 02659	FSK 200/1000	(AB)
F06	11-7	0030	13971	Tue	Russian diplo/intel. 11166 60070 17935 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-7	0040	11127	Tue	Russian diplo/intel. 11166 60070 17935 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)



F06	11-7	0050	10211	Tue	Russian diplo/intel. 11166 60070 17935 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-7	0700	11159	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB)
F06	11-7	0710	9188	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB-RUS)
F06	11-7	0720	7669	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB-RUS)
F06	11-7	0800	9923	Tue	Russian diplo/intel. 11100 00000 37801 07095 02899	FSK 200/1000	(AB)
F06	11-7	0810	7369	Tue	Russian diplo/intel. 11100 00000 37801 07095 02899	FSK 200/1000	(AB)
F06	11-7	1200	10629	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB)
F06	11-7	1210	8138	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB)
F06	11-7	1220	6774	Tue	Russian diplo/intel. 11166 70202 87102 10053 01979 and 11166 70202 26731 10054 02179	FSK 200/1000	(AB)
F06	11-7	1650	20475	Tue	Russian diplo/intel. 11166 10053 82641 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	11-7	1700	18183	Tue	Russian diplo/intel. 11166 10053 82641 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-7	1710	16319	Tue	Russian diplo/intel. 11166 10053 82641 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	0600	17419	Wed	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	12-7	0610	15707	Wed	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	12-7	0620	13446	Wed	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	12-7	0700	11159	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB)
F06	12-7	0710	9188	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB-RUS)
F06	12-7	0720	7669	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB-RUS)
F06	12-7	0915	18746	Wed	Russian diplo/intel. 11166 40023 54213 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	0930	14574	Wed	Russian diplo/intel. 11166 40023 54213 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	0945	13383	Wed	Russian diplo/intel. 11166 40023 54213 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-7	1200	10629	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB)
F06	12-7	1210	8138	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB)
F06	12-7	1220	6774	Wed	Russian diplo/intel. 11166 70202 65718 11055 02679	FSK 200/1000	(AB)
F06	13-7	0600	17419	Thu	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	13-7	0610	15707	Thu	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	13-7	0620	13446	Thu	Russian diplo/intel. 11166 40122 37164 08063 03029 and 11166 40122 37164 08063 03029	FSK 200/1000	(AB-KOR)
F06	13-7	0700	11159	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB)
F06	13-7	0710	9188	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB-RUS)
F06	13-7	0720	7669	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB-RUS)
F06	13-7	1200	10629	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB)
F06	13-7	1210	8138	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB)
F06	13-7	1220	6774	Thu	Russian diplo/intel. 11166 70202 28196 12056 01959 and 11166 70202 29731 12057 02119	FSK 200/1000	(AB)
F06	13-7	1330	16127	Thu	Russian diplo/intel. 11166 80214 79462 13035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-7	1340	12229	Thu	Russian diplo/intel. 11166 80214 79462 13035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-7	1350	9958	Thu	Russian diplo/intel. 11166 80214 79462 13035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-7	0700	11159	Fri	Russian diplo/intel. 11166 70202 56932 14052 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-7	0710	9188	Fri	Russian diplo/intel. 11166 70202 56932 14052 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14-7	0720	7669	Fri	Russian diplo/intel. 11166 70202 56932 14052 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16-7	1530	20988	Sun	Russian diplo/intel. 11166 10053 95234 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	16-7	1540	18187	Sun	Russian diplo/intel. 11166 10053 95234 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	16-7	1550	16169	Sun	Russian diplo/intel. 11166 10053 95234 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	17-7	0400	10538	Mon	Russian diplo/intel. 11166 70059 35197 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0410	8107	Mon	Russian diplo/intel. 11166 70059 35197 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0420	6791	Mon	Russian diplo/intel. 11166 70059 35197 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-7	0700	11159	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB)
F06	17-7	0710	9188	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB-RUS)
F06	17-7	0720	7669	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB-RUS)
F06	17-7	0800	9923	Mon	Russian diplo/intel. 11100 00000 83940 14096 02379	FSK 200/1000	(PY)
F06	17-7	0810	7369	Mon	Russian diplo/intel. 11100 00000 83940 14096 02379	FSK 200/1000	(PY)
F06	17-7	1200	10629	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB-RUS)
F06	17-7	1210	8138	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB-RUS)
F06	17-7	1220	6774	Mon	Russian diplo/intel. 11166 70202 78469 14058 02319	FSK 200/1000	(AB-RUS)
F06	18-7	0030	13971	Tue	Russian diplo/intel. 11166 60070 75382 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0040	11127	Tue	Russian diplo/intel. 11166 60070 75382 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0050	10211	Tue	Russian diplo/intel. 11166 60070 75382 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	0700	11159	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB)
F06	18-7	0710	9188	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB-RUS)
F06	18-7	0720	7669	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB-RUS)
F06	18-7	0800	9923	Tue	Russian diplo/intel. 11100 00000 83940 14096 02379	FSK 200/1000	(AB)
F06	18-7	0810	7369	Tue	Russian diplo/intel. 11100 00000 83940 14096 02379	FSK 200/1000	(AB)
F06	18-7	1200	10629	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB)
F06	18-7	1210	8138	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB)
F06	18-7	1220	6774	Tue	Russian diplo/intel. 11166 70202 67351 17059 02079 and 11166 70202 57186 17060 01159	FSK 200/1000	(AB)
F06	18-7	1650	20475	Tue	Russian diplo/intel. 11166 10053 27341 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	1700	18183	Tue	Russian diplo/intel. 11166 10053 27341 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-7	1710	16319	Tue	Russian diplo/intel. 11166 10053 27341 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-7	0600	17419	Wed	Russian diplo/intel. 11166 40122 12345 19456 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	19-7	0610	15707	Wed	Russian diplo/intel. 11166 40122 12345 19456 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	19-7	0620	13446	Wed	Russian diplo/intel. 11166 40122 12345 19456 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	19-7	0700	11159	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB)
F06	19-7	0710	9188	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB-RUS)
F06	19-7	0720	7669	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB-RUS)
F06	19-7	1200	10629	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB)
F06	19-7	1210	8138	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB)
F06	19-7	1220	6774	Wed	Russian diplo/intel. 11166 70202 52186 18061 02619	FSK 200/1000	(AB)
F06	20-7	0700	11159	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB)
F06	20-7	0710	9188	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB-RUS)
F06	20-7	0720	7669	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB-RUS)
F06	20-7	1200	10629	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB)
F06	20-7	1210	8138	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB)
F06	20-7	1220	6774	Thu	Russian diplo/intel. 11166 70202 67419 19062 01999 and 11166 70202 02519 19063 01619	FSK 200/1000	(AB)
F06	20-7	1330	16127	Thu	Russian diplo/intel. 11166 80214 54821 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-7	1340	12229	Thu	Russian diplo/intel. 11166 80214 54821 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	20-7	1350	9958	Thu	Russian diplo/intel. 11166 80214 54821 20075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0700	11159	Fri	Russian diplo/intel. 11166 70202 78932 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-7	0710	9188	Fri	Russian diplo/intel. 11166 70202 78932 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	21-7	0720	7669	Fri	Russian diplo/intel. 11166 70202 78932 21053 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	23-7	1530	20988	Sun	Russian diplo/intel. 11166 10053 82309 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-7	1540	18187	Sun	Russian diplo/intel. 11166 10053 82309 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-7	1550	16169	Sun	Russian diplo/intel. 11166 10053 82309 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-7	0700	11159	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB)
F06	24-7	0710	9188	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB-RUS)
F06	24-7	0720	7669	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB-RUS)
F06	24-7	0800	9923	Mon	Russian diplo/intel. 11100 00000 95324 21097 01079	FSK 200/1000	(PY)
F06	24-7	0810	7369	Mon	Russian diplo/intel. 11100 00000 95324 21097 01079	FSK 200/1000	(PY)
F06	24-7	1200	10629	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB-RUS/MPJ)
F06	24-7	1210	8138	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB-RUS/MPJ)
F06	24-7	1220	6774	Mon	Russian diplo/intel. 11166 70202 95671 21064 02339	FSK 200/1000	(AB-RUS/MPJ)
F06	25-7	0030	13971	Tue	Russian diplo/intel. 11166 60070 46279 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	0040	11127	Tue	Russian diplo/intel. 11166 60070 46279 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	0050	10211	Tue	Russian diplo/intel. 11166 60070 46279 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	0700	11159	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB)
F06	25-7	0710	9188	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB-RUS)
F06	25-7	0720	7669	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB-RUS)
F06	25-7	0800	9923	Tue	Russian diplo/intel. 11100 00000 95324 21097 01079	FSK 200/1000	(AB-RUS)
F06	25-7	0810	7369	Tue	Russian diplo/intel. 11100 00000 95324 21097 01079	FSK 200/1000	(AB-RUS)
F06	25-7	1200	10629	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB)
F06	25-7	1210	8138	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB)
F06	25-7	1220	6774	Tue	Russian diplo/intel. 11166 70202 16352 24065 02039 and 11166 70202 91743 24066 01539	FSK 200/1000	(AB)
F06	25-7	1650	20475	Tue	Russian diplo/intel. 11166 10053 42985 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	1700	18183	Tue	Russian diplo/intel. 11166 10053 42985 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-7	1710	16319	Tue	Russian diplo/intel. 11166 10053 42985 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-7	0600	17419	Wed	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	26-7	0610	15707	Wed	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	26-7	0620	13446	Wed	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	26-7	0700	11159	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB)
F06	26-7	0710	9188	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB-RUS)
F06	26-7	0720	7669	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB-RUS)
F06	26-7	1200	10629	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB)
F06	26-7	1210	8138	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB)
F06	26-7	1220	6774	Wed	Russian diplo/intel. 11166 70202 98562 25067 02519	FSK 200/1000	(AB)
F06	27-7	0600	17419	Thu	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	27-7	0610	15707	Thu	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	27-7	0620	13446	Thu	Russian diplo/intel. 11166 40122 98324 22065 03519	FSK 200/1000	(AB-KOR)
F06	27-7	0700	11159	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB)



<b>F06</b>	27-7	0710	9188	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB-RUS)
<b>F06</b>	27-7	0720	7669	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB-RUS)
<b>F06</b>	27-7	1200	10629	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB)
<b>F06</b>	27-7	1210	8138	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB)
<b>F06</b>	27-7	1220	6774	Thu	Russian diplo/intel. 11166 70202 86703 26068 01999 and 11166 70202 62935 26069 02219	FSK 200/1000	(AB)
<b>F06</b>	27-7	1330	16127	Thu	Russian diplo/intel. 11166 80214 75391 27083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	27-7	1340	12229	Thu	Russian diplo/intel. 11166 80214 75391 27083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	27-7	1350	9958	Thu	Russian diplo/intel. 11166 80214 75391 27083 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	28-7	0700	11159	Fri	Russian diplo/intel. 11166 70202 59624 28043 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	28-7	0710	9188	Fri	Russian diplo/intel. 11166 70202 59624 28043 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-7	0720	7669	Fri	Russian diplo/intel. 11166 70202 59624 28043 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-7	1900	15610	Fri	Russian diplo/intel.	FSK 200/1000	(FD)
<b>F06</b>	28-7	1915	14379	Fri	Russian diplo/intel.	FSK 200/1000	(Pof)
<b>F06</b>	28-7	1930	13389	Fri	Russian diplo/intel.	FSK 200/1000	(FD)
<b>F06</b>	30-7	1530	20988	Sun	Russian diplo/intel. 11166 10053 12345 30089 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	30-7	1540	18187	Sun	Russian diplo/intel. 11166 10053 12345 30089 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	30-7	1550	16169	Sun	Russian diplo/intel. 11166 10053 12345 30089 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	31-7	0700	11159	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB)
<b>F06</b>	31-7	0710	9188	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB-RUS)
<b>F06</b>	31-7	0720	7669	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB-RUS)
<b>F06</b>	31-7	0800	9923	Mon	Russian diplo/intel. 11100 00000 45721 28098 01279	FSK 200/1000	(AB)
<b>F06</b>	31-7	0810	7369	Mon	Russian diplo/intel. 11100 00000 45721 28098 01279	FSK 200/1000	(AB-RUS)
<b>F06</b>	31-7	1200	10629	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB-RUS)
<b>F06</b>	31-7	1210	8138	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB-RUS)
<b>F06</b>	31-7	1220	6774	Mon	Russian diplo/intel. 11166 70202 65741 28076 02439	FSK 200/1000	(AB-RUS)
<b>F06 F</b>	11-7	1250	12207	Tue	Russian diplo/intel. 11166 30154 14785 11011 00049 00000 00000 00000 00000	SK 200/1000	(PY)
<b>F06 F</b>	18-7	1250	12207	Tue	Russian diplo/intel. 11166 30154 25893 18001 00049 00000 00000 00000 00000	SK 200/1000	(PY)
<b>F06 F</b>	25-7	1250	12207	Tue	Russian diplo/intel. 11166 30154 14573 25012 00049 00000 00000 00000 00000	SK 200/1000	(PY)
<b>F06a</b>	1-7	0600	12214	Sat	Russian diplo/intel. File 04419 (binary contents)	FSK 200/1000	(PY)
<b>F06a</b>	1-7	0615	11153	Sat	Russian diplo/intel. File 04419 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	1-7	0630	10332	Sat	Russian diplo/intel. File 04419 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	1-7	2100	20165	Sat	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	1-7	2115	16344	Sat	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	1-7	2130	10794	Sat	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	2-7	2100	20165	Sun	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB/RL)
<b>F06a</b>	2-7	2115	16344	Sun	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB/RL)
<b>F06a</b>	2-7	2130	10794	Sun	Russian diplo/intel. File 04478 (binary contents)	FSK 200/1000	(AB/RL)
<b>F06a</b>	6-7	0415	5875	Thu	Russian diplo/intel. File 44487 (binary contents)	FSK 200/1000	(Pryom)
<b>F06a</b>	6-7	0430	7483	Thu	Russian diplo/intel. File 44487 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	7-7	0400	4923	Fri	Russian diplo/intel. File 44487 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	7-7	0415	5875	Fri	Russian diplo/intel. File 44487 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	7-7	0430	7483	Fri	Russian diplo/intel. File 44487 (binary contents)	FSK 200/1000	(AB)

F06a	8-7	2100	20165	Sat	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	2115	16344	Sat	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	8-7	2130	10794	Sat	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	9-7	2100	20165	Sun	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	9-7	2115	16344	Sun	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	9-7	2130	10794	Sun	Russian diplo/intel. File 04479 (binary contents)	FSK 200/1000	(AB)
F06a	11-7	1520	14642	Tue	Russian diplo/intel. File 80159-~1.TXT. Header 11100 80159 39620 09142 03289	FSK 200/1000	(qsr711)
F06a	11-7	1530	12133	Tue	Russian diplo/intel. File 80159-~1.TXT. Header 11100 80159 39620 09142 03289	FSK 200/1000	(qsr711)
F06a	11-7	1540	9241	Tue	Russian diplo/intel. File 80159-~1.TXT. Header 11100 80159 39620 09142 03289	FSK 200/1000	(qsr711)
F06a	13-7	0400	4923	Thu	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	13-7	0415	5875	Thu	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	13-7	0430	7483	Thu	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	14-7	0400	4923	Fri	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	14-7	0415	5875	Fri	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	14-7	0430	7483	Fri	Russian diplo/intel. File 44488 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	2100	20165	Sat	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB-POL)
F06a	15-7	2115	16344	Sat	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB)
F06a	15-7	2130	10794	Sat	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB)
F06a	16-7	2100	20165	Sun	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	16-7	2115	16344	Sun	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB)
F06a	16-7	2130	10794	Sun	Russian diplo/intel. File 04480 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	0400	4923	Thu	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	20-7	0415	5875	Thu	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	0430	7483	Thu	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	20-7	1620	11422	Thu	Russian diplo/intel. File 40144-~1.TXT (2153 bytes). Header 11100 40144 74185 16156 03489	FSK 200/1000	(PY)
F06a	20-7	1640	7661	Thu	Russian diplo/intel. File 40144-~1.TXT (2153 bytes). Header 11100 40144 74185 16156 03489	FSK 200/1000	(PY)
F06a	21-7	0400	4923	Fri	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	21-7	0415	5875	Fri	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	21-7	0430	7483	Fri	Russian diplo/intel. File 44489 (binary contents)	FSK 200/1000	(AB)
F06a	22-7	2100	20165	Sat	Russian diplo/intel. Wrong shift	FSK 200/500	(AB)
F06a	22-7	2115	16344	Sat	Russian diplo/intel. Wrong shift	FSK 200/500	(AB)
F06a	22-7	2130	10794	Sat	Russian diplo/intel. Wrong shift	FSK 200/500	(AB)
F06a	23-7	2100	20165	Sun	Russian diplo/intel. File 04481 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	23-7	2115	16344	Sun	Russian diplo/intel. File 04481 (binary contents)	FSK 200/1000	(AB)
F06a	23-7	2130	10794	Sun	Russian diplo/intel. File 04481 (binary contents)	FSK 200/1000	(AB)
F06a	24-7	0800	10316	Mon	Russian diplo/intel. File 00173-~3.TXT (1865 bytes). Header: 11100 00173 15963 24144 03019	FSK 200/1000	(qsr711)
F06a	24-7	0810	12219	Mon	Russian diplo/intel. File 00173-~3.TXT (1865 bytes). Header: 11100 00173 15963 24144 03019	FSK 200/1000	(qsr711)
F06a	24-7	0820	14652	Mon	Russian diplo/intel. File 00173-~3.TXT (1865 bytes). Header: 11100 00173 15963 24144 03019	FSK 200/1000	(qsr711)
F06a	25-7	1030	12227	Tue	Russian diplo/intel. File 10053-~1.TXT (2040 bytes). Header 11100 10053 71824 23156 03309	FSK 200/1000	(PY)
F06a	25-7	1040	14423	Tue	Russian diplo/intel. File 10053-~1.TXT (2040 bytes). Header 11100 10053 71824 23156 03309	FSK 200/1000	(PY)
F06a	25-7	1050	16283	Tue	Russian diplo/intel. File 10053-~1.TXT (2040 bytes). Header 11100 10053 71824 23156 03309	FSK 200/1000	(PY)
F06a	27-7	0400	4923	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB-RUS)

F06a	27-7	0415	5875	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	27-7	0430	7483	Thu	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	28-7	0400	4923	Fri	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	28-7	0415	5875	Fri	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	28-7	0430	7483	Fri	Russian diplo/intel. File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	28-7	1700	11123	Fri	Russian diplo/intel. 323 blocks, 2 msgsg, files 44470 (2531 bytes) and ???	FSK 200/1000	(PY/Priyom)
F06a	28-7	1800	10688	Fri	Russian diplo/intel. 323 blocks, 2 msgsg, files 44470 (2531 bytes) and 44471 (2243 bytes)	FSK 200/1000	(PY/Priyom)
F06a	28-7	1815	9068	Fri	Russian diplo/intel. 323 blocks, 2 msgsg, files 44470 (2531 bytes) and 44471 (2243 bytes)	FSK 200/1000	(PY/Priyom)
F06a	28-7	1830	6958	Fri	Russian diplo/intel. 323 blocks, 2 msgsg, files 44470 (2531 bytes) and 44471 (2243 bytes)	FSK 200/1000	(PY/Priyom)
F06a	29-7	0600	12192	Sat	Russian diplo/intel. File 40420 (2288 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-7	0615	11415	Sat	Russian diplo/intel. File 40420 (2288 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-7	0630	10311	Sat	Russian diplo/intel. File 40420 (2288 bytes, binary contents)	FSK 200/1000	(Pof)
F06a	29-7	1700	11123	Sat	Russian diplo/intel. 360 blocks, file 44472 (2896 bytes) 44466 70202 74125 28072 00009 and file 44473 (2429 bytes) 44466 70202 79462 28073 00009	FSK 200/1000	(PY/Priyom)
F06a	29-7	1800	10688	Sat	Russian diplo/intel. 360 blocks, file 44472 (2896 bytes) 44466 70202 74125 28072 00009 and file 44473 (2429 bytes) 44466 70202 79462 28073 00009	FSK 200/1000	(PY/Priyom)
F06a	29-7	1815	9068	Sat	Russian diplo/intel. 360 blocks, file 44472 (2896 bytes) 44466 70202 74125 28072 00009 and file 44473 (2429 bytes) 44466 70202 79462 28073 00009	FSK 200/1000	(PY/Priyom)
F06a	29-7	1830	6958	Sat	Russian diplo/intel. 360 blocks, file 44472 (2896 bytes) 44466 70202 74125 28072 00009 and file 44473 (2429 bytes) 44466 70202 79462 28073 00009	FSK 200/1000	(PY/Priyom)
F06a	29-7	2100	20165	Sat	Russian diplo/intel. File 04482	FSK 200/1000	(AB-POL)
F06a	29-7	2115	16344	Sat	Russian diplo/intel. File 04482	FSK 200/1000	(AB-POL)
F06a	29-7	2130	10794	Sat	Russian diplo/intel. File 04482	FSK 200/1000	(AB-POL)
F06a	30-7	1700	11123	Sun	Russian diplo/intel. 326 blocks, 2 msgsg, files 44474 (2253 bytes) and 44475 (2560 bytes)	FSK 200/1000	(PY/Priyom)
F06a	30-7	1800	10688	Sun	Russian diplo/intel. 326 blocks, 2 msgsg, files 44474 (2253 bytes) and 44475 (2560 bytes)	FSK 200/1000	(PY/Priyom)
F06a	30-7	1815	9068	Sun	Russian diplo/intel. 326 blocks, 2 msgsg, files 44474 (2253 bytes) and 44475 (2560 bytes)	FSK 200/1000	(PY/Priyom)
F06a	30-7	1830	6958	Sun	Russian diplo/intel. 326 blocks, 2 msgsg, files 44474 (2253 bytes) and 44475 (2560 bytes)	FSK 200/1000	(PY/Priyom)
F06a	30-7	2100	20165	Sun	Russian diplo/intel. File 04482 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	30-7	2115	16344	Sun	Russian diplo/intel. File 04482 (binary contents)	FSK 200/1000	(AB)
F06a	30-7	2130	10794	Sun	Russian diplo/intel. File 04482 (binary contents)	FSK 200/1000	(AB)
F07	6-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-7	2010	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2010	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	13-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-7	2010	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2010	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-7	1210	10643	Wed	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/VSh)
F07	19-7	1220	12153	Wed	Russian intel. 20 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(VSh)
F07	19-7	1235	11431	Wed	Russian intel. 20 blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(VSh)
F07	20-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-7	2010	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2000	17436	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2010	16348	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2020	15968	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2030	14852	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2040	13961	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-7	2050	13373	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2000	17436	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2010	16348	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2020	15968	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2030	14852	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2040	13961	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-7	2050	13373	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
M01	1-7	1500	6435	Sat	025 745 745 30 30 == 46576 36547 97890 ... 50909 11776 48766 == 745 745 30 30 000	CW	(AB-FIN)
M01	4-7	2000	4903	Tue	025 864 864 30 30 == 09121 98232 87343 ... 18090 19090 10909 == 864 864 30 30 0..... 0..... 0.....	CW	(AB)
M01	8-7	1500	6435	Sat	025 536 536 30 30 == 12090 23090 34090 ... 01949 05868 90838 == 536 536 30 30 000	CW	(AB-FIN)
M01	11-7	2000	4903	Tue	025 709 709 30 30 == 89023 45690 23589 ... 41056 15205 07315 == 709 709 30 30 000	CW	(AB)
M01	13-7	1800	5280	Thu	025 124 124 30 30 == 64617 61905 80105 ... 91755 92032 82751 124 124 30 30 000	CW	(AB-FIN)
M01	15-7	1500	6435	Sat	025 (R) 174 174 30 30 == 34590 12378 89045 ... 45123 78456 89345 == 174 174 30 30 000	CW	(MPJ-HNG)
M01	18-7	1800	5280	Tue	025 ... message	CW	(AB)
M01	18-7	2000	4903	Tue	025 ... message	CW	(AB)
M01	20-7	1800	5280	Thu	025 097 097 30 30 == 12090 13090 14090 ... 41090 42090 43090 == 097 097 30 30 000	CW	(AB-FIN)

<b>M01</b>	22-7	1500	6435	Sat	025 148 148 30 30 = = 36471 39184 76732 ... 12321 47382 90220 = = 148 148 30 30 000	CW	(AB-POL)
<b>M01</b>	25-7	1800	5280	Tue	025 325 325 30 30 = = 46576 13243 59609 ... 29387 69789 46576 = = 325 325 30 30 000	CW	(AB-FIN)
<b>M01</b>	25-7	2000	4903	Tue	025 352 352 30 30 = = 46576 13223 10798 ...	CW	(AB)
<b>M01</b>	27-7	1800	5280	Thu	025 612 612 30 30 = = 34589 83719 47290 ... 23817 94827 10564 = = 612 612 30 30 000	CW	(AB-FIN)
<b>M01</b>	27-7	2000	4903	Thu	025 528 528 30 30 = = 78912 90456 56712 ... 56734 89045 67812 = = 528 528 30 30 000 (sent only 29 groups)	CW	(AB-FIN)
<b>M01</b>	29-7	1500	6435	Sat	025 955 955 30 30 = = 62380 82751 82737 ... 09959 81196 00561 = = 955 955 30 30 000	CW	(AB-FIN)
<b>M12</b>	1-7	0600	10371	Sat	341 341 341 000	CW	(AB/HFD)
<b>M12</b>	1-7	0620	11471	Sat	341 341 341 000	CW	(AB/HFD)
<b>M12</b>	1-7	1800	11435	Sat	938 938 938 1 8706 71 8706 71 13589 16344 37433 ... 96741 20112 79791 000 000	CW	(AB/MPJ)
<b>M12</b>	1-7	1820	10598	Sat	938 938 938 1 8706 71 8706 71 13589 16344 37433 ... 96741 20112 79791 000 000	CW	(AB/MPJ)
<b>M12</b>	1-7	1840	9327	Sat	938 938 938 1 8706 71 8706 71 13589 16344 37433 ... 96741 20112 79791 000 000	CW	(AB/MPJ)
<b>M12</b>	1-7	2100	10767	Sat	712 712 712 1 3002 88 3002 88 03044 83876 15732 ... 59045 55658 63128 000 000	CW	(AB/HFD)
<b>M12</b>	1-7	2120	10167	Sat	712 712 712 1 3002 88 3002 88 03044 83876 15732 ... 59045 55658 63128 000 000	CW	(AB/HFD)
<b>M12</b>	1-7	2140	9267	Sat	712 712 712 1 3002 88 3002 88 03044 83876 15732 ... 59045 55658 63128 000 000	CW	(AB/HFD)
<b>M12</b>	2-7	1600	13979	Sun	931 931 931 000	CW	(AB/HFD)
<b>M12</b>	2-7	1620	13379	Sun	931 931 931 000	CW	(AB/HFD)
<b>M12</b>	3-7	1600	16284	Mon	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB/HFD)
<b>M12</b>	3-7	1620	14984	Mon	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB/HFD)
<b>M12</b>	3-7	1640	14384	Mon	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB/HFD)
<b>M12</b>	3-7	2000	12217	Mon	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB/HFD)
<b>M12</b>	3-7	2020	10817	Mon	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB/HFD)
<b>M12</b>	3-7	2040	9317	Mon	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB/HFD)
<b>M12</b>	5-7	0600	10371	Wed	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB/HFD)
<b>M12</b>	5-7	0620	11471	Wed	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB/HFD)
<b>M12</b>	5-7	0640	12171	Wed	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB/HFD)
<b>M12</b>	5-7	1600	13979	Wed	931 931 931 000	CW	(AB)
<b>M12</b>	5-7	1620	13379	Wed	931 931 931 000	CW	(AB)
<b>M12</b>	5-7	1900	14968	Wed	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/RL-HOL)
<b>M12</b>	5-7	1920	14468	Wed	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/RL-HOL)
<b>M12</b>	5-7	1940	13368	Wed	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/RL-HOL)
<b>M12</b>	6-7	1110	13386	Thu	725 725 725 1 4841 95 4841 95 63069 91719 51390 ... 76115 85844 58162 000 000	CW	(AB/MPJ/RL-HOL)
<b>M12</b>	6-7	1130	12189	Thu	725 725 725 1 4841 95 4841 95 63069 91719 51390 ... 76115 85844 58162 000 000	CW	(AB/MPJ/RL-HOL)
<b>M12</b>	6-7	1150	11491	Thu	725 725 725 1 4841 95 4841 95 63069 91719 51390 ... 76115 85844 58162 000 000	CW	(AB/MPJ/RL-HOL)
<b>M12</b>	6-7	1600	16284	Thu	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB)
<b>M12</b>	6-7	1620	14984	Thu	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB)
<b>M12</b>	6-7	1640	14384	Thu	293 293 293 1 615 56 615 56 83079 15278 53435 ... 78094 63551 31152 000 000	CW	(AB)
<b>M12</b>	6-7	2000	12217	Thu	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB/RL-HOL)
<b>M12</b>	6-7	2020	10817	Thu	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB)
<b>M12</b>	6-7	2040	9317	Thu	617 617 617 1 3495 103 3495 103 07235 74589 70826 ... 46176 76373 74867 000 000	CW	(AB)
<b>M12</b>	7-7	0030	7475	Fri	402 402 402 1 8945 128 8945 128 99559 54105 62105 ...	CW	(AB)
<b>M12</b>	7-7	0050	8075	Fri	402 402 402 1 8945 128 8945 128 99559 54105 62105 ...	CW	(AB)



M12	7-7	0110	9275	Fri	402 402 402 1 8945 128 8945 128 99559 54105 62105 ...	CW	(AB)
M12	7-7	1900	14968	Fri	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/HFD)
M12	7-7	1920	14468	Fri	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/HFD)
M12	7-7	1940	13368	Fri	943 943 943 1 4877 31 4877 31 03353 42417 21649 ... 98146 58857 63106 000 000	CW	(AB/HFD)
M12	7-7	2100	10767	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	7-7	2120	10167	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	7-7	2140	9267	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	8-7	0600	10371	Sat	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB)
M12	8-7	0620	11471	Sat	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB)
M12	8-7	0620	12171	Sat	341 341 341 1 3562 140 3562 140 44605 52070 03535 ... 58749 93013 80834 000 000	CW	(AB)
M12	8-7	1800	11435	Sat	938 938 938 1 8942 79 8942 79 68713 54746 95851 ... 93356 94578 65700 000 000	CW	(AB)
M12	8-7	1820	10598	Sat	938 938 938 1 8942 79 8942 79 68713 54746 95851 ... 93356 94578 65700 000 000 restart after group 41	CW	(AB)
M12	8-7	1840	9327	Sat	938 938 938 1 8942 79 8942 79 68713 54746 95851 ... 93356 94578 65700 000 000	CW	(AB)
M12	8-7	2100	10767	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	8-7	2120	10167	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	8-7	2140	9267	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	9-7	1600	13979	Sun	931 931 931 000	CW	(AB)
M12	9-7	1620	13379	Sun	931 931 931 000	CW	(AB)
M12	10-7	0210	15881	Mon	874 974 874 1 ...	CW	(HFD-J)
M12	10-7	0230	14781	Mon	874 974 874 1 ...	CW	(HFD-J)
M12	10-7	0250	13481	Mon	874 974 874 1 ...	CW	(HFD-J)
M12	10-7	1600	16284	Mon	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	10-7	1620	14984	Mon	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	10-7	1640	14384	Mon	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	10-7	2000	12217	Mon	617 617 617 000	CW	(AB)
M12	10-7	2020	10817	Mon	617 617 617 000	CW	(AB)
M12	11-7	0030	7475	Tue	402 402 402 1 8945 128 8945 128 ...	CW	(AB/HFD-J)
M12	11-7	0050	8075	Tue	402 402 402 1 8945 128 8945 128 ...	CW	(AB/HFD-J)
M12	11-7	0110	9275	Tue	402 402 402 1 8945 128 8945 128 ...	CW	(AB/HFD-J)
M12	11-7	0300	16272	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	11-7	0320	14912	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	11-7	0340	13972	Tue	299 299 299 1 ...	CW	(HFD-J)
M12	12-7	0600	10371	Wed	341 341 341 000	CW	(AB)
M12	12-7	0620	11471	Wed	341 341 341 000	CW	(AB)
M12	12-7	1600	13979	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	12-7	1620	13379	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	12-7	1640	12179	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	12-7	1900	14968	Wed	943 943 943 000	CW	(AB)
M12	12-7	1920	14468	Wed	943 943 943 000	CW	(AB)
M12	13-7	1110	13386	Thu	725 725 725 1 5471 96 5471 96 26275 94054 20912 ... 79222 84446 37740 000 000	CW	(AB)
M12	13-7	1130	12189	Thu	725 725 725 1 5471 96 5471 96 26275 94054 20912 ... 79222 84446 37740 000 000	CW	(AB)

M12	13-7	1150	11491	Thu	725 725 725 1 5471 96 5471 96 26275 94054 20912 ... 79222 84446 37740 000 000	CW	(AB)
M12	13-7	1600	16284	Thu	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	13-7	1620	14984	Thu	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	13-7	1640	14384	Thu	293 293 293 1 6458 72 6458 72 67117 92902 27401 ... 04883 27076 49079 000 000	CW	(AB)
M12	13-7	2000	12217	Thu	617 617 617 000	CW	(AB)
M12	13-7	2020	10817	Thu	617 617 617 000	CW	(AB)
M12	14-7	1900	14968	Fri	943 943 943 000	CW	(AB)
M12	14-7	1920	14468	Fri	943 943 943 000	CW	(AB)
M12	14-7	2100	10767	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	14-7	2120	10167	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	14-7	2140	9267	Fri	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	15-7	0600	10371	Sat	341 341 341 000	CW	(AB)
M12	15-7	0620	11471	Sat	341 341 341 000	CW	(AB)
M12	15-7	1800	11435	Sat	938 938 938 1 4295 76 4295 76 50994 66059 84479 ... 14109 08605 42441 000 000	CW	(AB/MPJ)
M12	15-7	1820	10598	Sat	938 938 938 1 4295 76 4295 76 50994 66059 84479 ... 14109 08605 42441 000 000	CW	(AB/MPJ)
M12	15-7	1840	9327	Sat	938 938 938 1 4295 76 4295 76 50994 66059 84479 ... 14109 08605 42441 000 000	CW	(AB/MPJ)
M12	15-7	2100	10767	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	15-7	2120	10167	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	15-7	2140	9267	Sat	712 712 712 1 310 120 310 120 77158 20700 41355 ... 90594 86309 19008 000 000	CW	(AB)
M12	16-7	1600	13979	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	16-7	1620	13379	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	16-7	1640	12179	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	17-7	1600	16284	Mon	293 293 293 000	CW	(AB/MPJ)
M12	17-7	1620	14984	Mon	293 293 293 000	CW	(AB/MPJ)
M12	17-7	2000	12217	Mon	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	17-7	2020	10817	Mon	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	17-7	2040	9317	Mon	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	18-7	0030	7475	Tue	402 402 402 000	CW	(AB)
M12	18-7	0050	8075	Tue	402 402 402 000	CW	(AB)
M12	19-7	0600	10371	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	19-7	0620	11471	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	19-7	0640	12171	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	19-7	1600	13979	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	19-7	1620	13379	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	19-7	1640	12179	Wed	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB)
M12	19-7	1900	14968	Wed	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	19-7	1920	14468	Wed	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	19-7	1940	13368	Wed	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	20-7	1110	13386	Thu	725 725 725 1 6815 92 6815 92 22580 34981 95762 ... 90754 62065 18019 000 000	CW	(AB)
M12	20-7	1130	12189	Thu	725 725 725 1 6815 92 6815 92 22580 34981 95762 ... 90754 62065 18019 000 000	CW	(AB)
M12	20-7	1150	11491	Thu	725 725 725 1 6815 92 6815 92 22580 34981 95762 ... 90754 62065 18019 000 000	CW	(AB)
M12	20-7	1600	16284	Thu	293 293 293 000	CW	(AB)

M12	20-7	1620	14984	Thu	293 293 293 000	CW	(AB)
M12	20-7	2000	12217	Thu	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	20-7	2020	10817	Thu	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	20-7	2040	9317	Thu	617 617 617 1 4994 133 4994 133 65362 99223 18986 ... 19216 57578 43777 000 000	CW	(AB)
M12	21-7	0030	7475	Fri	402 402 402 000	CW	(AB)
M12	21-7	0050	8075	Fri	402 402 402 000	CW	(AB)
M12	21-7	1900	14968	Fri	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	21-7	1920	14468	Fri	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	21-7	1940	13368	Fri	943 943 943 1 397 49 397 49 62767 87262 31918 ... 61184 53197 49763 000 000	CW	(AB)
M12	21-7	2100	10767	Fri	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	21-7	2120	10167	Fri	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	21-7	2140	9267	Fri	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	22-7	0600	10371	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	22-7	0620	11471	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	22-7	0640	12171	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	22-7	1800	11435	Sat	938 938 838 1 3618 74 3618 74 52526 47862 34468 ... 09638 02912 52500 000 000	CW	(AB/MPJ)
M12	22-7	1820	10598	Sat	938 938 838 1 3618 74 3618 74 52526 47862 34468 ... 09638 02912 52500 000 000	CW	(AB/MPJ)
M12	22-7	1840	9327	Sat	938 938 838 1 3618 74 3618 74 52526 47862 34468 ... 09638 02912 52500 000 000	CW	(AB/MPJ)
M12	22-7	2100	10767	Sat	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	22-7	2120	10167	Sat	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	22-7	2140	9267	Sat	712 712 712 1 223 135 223 135 64185 72071 70884 ... 14852 90623 13128 000 000	CW	(AB)
M12	23-7	1600	13979	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	23-7	1620	13379	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	23-7	1640	12179	Sun	931 931 931 1 7497 208 7497 208 76762 89252 70354 ... 35168 09842 54095 000 000	CW	(AB/MPJ)
M12	24-7	1600	16284	Mon	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	24-7	1620	14984	Mon	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	24-7	1640	14384	Mon	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	24-7	2000	12217	Mon	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB)
M12	24-7	2020	10817	Mon	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB)
M12	24-7	2040	9317	Mon	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB)
M12	25-7	0030	7475	Tue	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	25-7	0050	8075	Tue	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	25-7	0110	9275	Tue	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	26-7	0600	10371	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	26-7	0620	11471	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	26-7	0640	12171	Wed	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	26-7	1600	13979	Wed	931 931 931 931 000	CW	(AB/MPJ)
M12	26-7	1620	13379	Wed	931 931 931 931 000	CW	(AB/MPJ)
M12	26-7	1900	14968	Wed	943 943 943 000	CW	(AB/RL)
M12	26-7	1920	14468	Wed	943 943 943 000	CW	(AB/RL)
M12	27-7	1110	13386	Thu	725 725 725 1 5946 99 5946 99 77127 65387 71083 ... 27393 18863 36120 000 000	CW	(AB)
M12	27-7	1130	12189	Thu	725 725 725 1 5946 99 5946 99 77127 65387 71083 ... 27393 18863 36120 000 000	CW	(AB)



M12	27-7	1150	11491	Thu	725 725 725 1 5946 99 5946 99 77127 65387 71083 ... 27393 18863 36120 000 000	CW	(AB)
M12	27-7	1600	16284	Thu	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	27-7	1620	14984	Thu	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	27-7	1640	14384	Thu	293 293 293 1 5368 38 5368 38 14386 00972 97702 ... 31270 99474 41897 000 000	CW	(AB)
M12	27-7	2000	12217	Thu	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB/RL)
M12	27-7	2020	10817	Thu	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB/RL)
M12	27-7	2040	9317	Thu	617 617 617 1 516 115 516 115 96485 76278 93416 ... 46474 90230 73874 000 000	CW	(AB/RL)
M12	28-7	0030	7475	Fri	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	28-7	0050	8075	Fri	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	28-7	0110	9275	Fri	402 402 402 1 613 144 613 144 10009 82506 29587 ... 39913 93479 36788 000 000	CW	(AB)
M12	28-7	1900	14968	Fri	943 943 943 000	CW	(AB/RL)
M12	28-7	1920	14468	Fri	943 943 943 000	CW	(AB/RL)
M12	28-7	2100	10767	Fri	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB/RL)
M12	28-7	2120	10167	Fri	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB/RL)
M12	28-7	2140	9267	Fri	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB/RL)
M12	29-7	0600	10371	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	29-7	0620	11471	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	29-7	0640	12171	Sat	341 341 341 1 1676 91 1676 91 25687 66234 93828 ... 58526 96019 31536 000 000	CW	(AB)
M12	29-7	1800	11435	Sat	938 938 938 1 7036 70 7036 70 07878 29372 07472 ...	CW	(AB)
M12	29-7	1820	10598	Sat	938 938 938 1 7036 70 7036 70 07878 29372 07472 ...	CW	(AB)
M12	29-7	1840	9327	Sat	938 938 938 1 7036 70 7036 70 07878 29372 07472 ...	CW	(AB)
M12	29-7	2100	10767	Sat	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB)
M12	29-7	2120	10167	Sat	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB)
M12	29-7	2140	9267	Sat	712 712 712 1 3850 120 3850 120 97121 00807 44422 ... 39382 52525 12347 000 000	CW	(AB)
M12	30-7	1600	13979	Sun	931 931 931 000	CW	(AB/MPJ)
M12	30-7	1620	13379	Sun	931 931 931 000	CW	(AB/MPJ)
M12	31-7	1600	16284	Mon	293 293 293 000	CW	(AB/MPJ)
M12	31-7	1620	14984	Mon	293 293 293 000	CW	(AB/MPJ)
M12	31-7	2000	12217	Mon	617 617 617 000	CW	(AB)
M12	31-7	2020	10817	Mon	617 617 617 000	CW	(AB)
M14	3-7	0500	12211	Mon	952 638 638 51 51 = = 66998 44994 39318 ... 12091 67391 08236 = = 638 638 51 51 00000	CW	(AB-J)
M14	3-7	0520	10243	Mon	952 638 638 51 51 = = 66998 44994 39318 ... 37721 12091 67391 Off after group 50	CW	(AB-J)
M14	4-7	0500	12211	Tue	952 714 714 53 53 = = 47752 17668 16344 ... 90589 17396 87177 = = 714 714 53 53 00000	CW	(AB-J)
M14	4-7	0520	10243	Tue	952 714 714 53 53 = = 47752 17668 16344 ... 90589 17396 87177 = = 714 714 53 53 00000	CW	(AB-J)
M14	5-7	0500	12211	Wed	952 386 386 57 57 = = 12382 85616 20373 ... 24005 59837 82786 = = 386 386 57 57 00000	CW	(AB-J)
M14	5-7	0520	10243	Wed	952 386 386 57 57 = = 12382 85616 20373 ... 24005 59837 82786 = = 386 386 57 57 00000	CW	(AB-J)
M14	6-7	0500	12211	Thu	952 701 701 52 52 = = 06070 00919 87708 ... 23745 38891 42395 = = 701 701 52 52 00000	CW	(AB-J)
M14	6-7	0523	10243	Thu	952 701 701 52 52 = = 06070 00919 87708 ... 23745 38891 42395 = = 701 701 52 52 00000 Late start	CW	(AB-J)
M14	7-7	0500	12211	Fri	952 864 864 61 61 = = 56284 51591 44240 ... 14885 12864 61828 = = 864 864 61 61 00000	CW	(AB-J)
M14	7-7	0523	10243	Fri	952 864 864 61 61 = = 56284 51591 44240 ... 14885 12864 61828 = = 864 864 61 61 00000	CW	(AB-J)
M14	10-7	0500	12211	Mon	952 317 317 54 54 = = 35417 29371 73866 ... 97312 29486 46165 = = 317 317 54 54 00000	CW	(AB-J)

<b>M14</b>	10-7	0520	10243	Mon	952 317 317 54 54 == 35417 29371 73866 ... 97312 29486 46165 == 317 317 54 54 00000	CW	(AB-J)
<b>M14</b>	11-7	0500	12211	Tue	952 640 640 51 51 == 03424 97161 84714 ... 43750 89531 77199 == 640 640 51 51 00000	CW	(AB-J)
<b>M14</b>	11-7	0520	10243	Tue	952 640 640 51 51 == 03424 97161 84714 ... 43750 89531 77199 == 640 640 51 51 00000	CW	(AB-J)
<b>M14</b>	12-7	0500	12211	Wed	952 831 831 54 54 == 86826 74646 43971 ... 83717 04128 9655 == 831 831 54 54 00000	CW	(AB-J)
<b>M14</b>	12-7	0520	10243	Wed	952 831 831 54 54 == 86826 74646 43971 ... 83717 04128 9655 == 831 831 54 54 00000	CW	(AB-J)
<b>M14</b>	13-7	0500	12211	Thu	Carrier till 0502z then inverted morse. Carrier at 0504z. Inverted morse at 0505z. Carrier at 0505z. Off at 0507z	CW	(AB-J)
<b>M14</b>	13-7	0523	10243	Thu	Carrier till 0525z then off	CW	(AB-J)
<b>M14</b>	14-7	0500	12211	Fri	Inverted morse. Carrier at 0501z. Off at 0507z.	CW	(AB-J)
<b>M14</b>	14-7	0523	10243	Fri	952 952 952 00000 Several restarts 813 813 56 56 == 27921 82395 81875 ... 30288 73534 64883 == 813 813 56 56 (no closing nulls)	CW	(AB-J)
<b>M14</b>	17-7	0501	12211	Mon	952 (R) off at 0504z. Back at 0506z with group 4. Several hiccups during the message	CW	(AB-J)
<b>M14</b>	17-7	0520	10243	Mon	952 764 764 51 51 == 02120 73466 09803 ... 04152 10510 10455 == 764 764 51 51 00000	CW	(AB-J)
<b>M14</b>	18-7	0500	12211	Tue	952 180 180 53 53 == 56136 55316 08636 ... 65605 63789 68897 == 180 180 53 53 00000	CW	(AB-J)
<b>M14</b>	18-7	0520	10243	Tue	952 180 180 53 53 == 56136 55316 08636 ... 65605 63789 68897 == 180 180 53 53 00000	CW	(AB-J)
<b>M14</b>	19-7	0500	12211	Wed	952 736 736 58 58 == 30569 96767 02991 ... 98452 06515 50804 == 736 736 58 58 00000	CW	(AB-J)
<b>M14</b>	19-7	0520	10243	Wed	952 736 736 58 58 == 30569 96767 02991 ... 98452 06515 50804 == 736 736 58 58 00000	FSK CW	(AB-J)
<b>M14</b>	20-7	0500	12211	Thu	952 480 480 53 53 == 40050 82348 45860 ... 67594 36517 83855 == 480 480 53 53 00000	CW	(AB-J)
<b>M14</b>	20-7	0520	10243	Thu	952 480 480 53 53 == 40050 82348 45860 ... 67594 36517 83855 == 480 480 53 53 00000	CW	(AB-J)
<b>M14</b>	21-7	0500	12211	Fri	952 316 316 58 58 == 76723 02313 42345 ... 24424 82390 33304 == 316 316 58 58 00000	CW	(AB-J)
<b>M14</b>	21-7	0523	10243	Fri	952 316 316 58 58 == 76723 02313 42345 ... 24424 82390 33304 == 316 316 58 58 00000	CW	(AB-J)
<b>M14</b>	24-7	0500	12211	Mon	952 748 748 50 50 == 38110 13316 63822 ... 23304 80386 77383 == 748 748 50 50 00000	CW	(AB-J)
<b>M14</b>	24-7	0520	10243	Mon	952 748 748 50 50 == 38110 13316 63822 ... 23304 80386 77383 == 748 748 50 50 00000	CW	(AB-J)
<b>M14</b>	25-7	0500	12211	Tue	952 163 163 54 54 == 59300 23899 46211 ... 37508 49686 44263 == 163 163 54 54 00000	CW	(AB-J)
<b>M14</b>	25-7	0520	10243	Tue	952 163 163 54 54 == 59300 23899 46211 ... 37508 49686 44263 == 163 163 54 54 00000	CW	(AB-J)
<b>M14</b>	25-7	0930	16347	Tue	617 617 617 00000	CW	(AB)
<b>M14</b>	26-7	0500	12211	Wed	952 870 870 59 59 == 62474 01742 81354 ... 93147 04967 86827 == 870 870 59 59 00000	CW	(AB-J)
<b>M14</b>	26-7	0520	10243	Wed	952 870 870 59 59 == 62474 01742 81354 ... 93147 04967 86827 == 870 870 59 59 00000	FSK CW	(AB-J)
<b>M14</b>	28-7	0500	12211	Fri	952 431 431 61 61 == 65300 31525 18807 ... 36068 46738 05807 == 431 431 61 61 00000	CW	(AB-J)
<b>M14</b>	28-7	0523	10243	Fri	952 431 431 61 61 == 65300 31525 18807 ... 36068 46738 05807 == 431 431 61 61 00000	CW	(AB-J)
<b>M14</b>	31-7	0500	12211	Mon	952 807 807 56 56 == 57375 11045 11945 ... 82169 42500 56653 == 807 807 56 56 00000	CW	(AB-J)
<b>M14</b>	31-7	0520	10243	Mon	952 807 807 56 56 == 57375 11045 11945 ... 82169 42500 56653 == 807 807 56 56 00000	CW	(AB-J)
<b>M23</b>	7-7	1437	5345	Fri	OS3 (R15m)	CW	(AB)
<b>M23</b>	8-7	1337	5345	Sat	OS3 (R15m)	CW	(AB)
<b>M23</b>	8-7	1437	5345	Sat	OS3 (R15m)	CW	(AB)
<b>M23</b>	9-7	1337	5345	Sun	OS3 (R15m)	CW	(AB)
<b>M23</b>	9-7	1437	5345	Sun	OS3 (R15m)	CW	(AB)
<b>M23</b>	19-7	1005	5345	Wed	OET (R20m)	CW	(BR)
<b>M23</b>	19-7	1212	5345	Wed	ISO (R50m)	CW	(BR)
<b>M23</b>	25-7	0945	5345	Tue	MY	CW	(BR)
<b>M23</b>	25-7	1000	5345	Tue	MY	CW	(BR)
<b>M23</b>	25-7	1015	5345	Tue	MY	CW	(BR)

M23	25-7	1030	5345	Tue	MY	CW	(BR)
M23	25-7	1100	5345	Tue	MY	CW	(BR)
M23	25-7	1115	5345	Tue	MY	CW	(BR)
M23	25-7	1130	5345	Tue	MY	CW	(AB)
M23	25-7	1145	5345	Tue	MY	CW	(AB)
M23	25-7	1200	5345	Tue	MY	CW	(BR)
M23	25-7	1215	5345	Tue	MY	CW	(BR)
M23	25-7	1230	5345	Tue	MY	CW	(BR)
M23	25-7	1246	5345	Tue	MY	CW	(BR)
M23	25-7	1330	5345	Tue	MY	CW	(AB)
M23	25-7	1345	5345	Tue	MY	CW	(AB)
M23	25-7	1400	5345	Tue	MY	CW	(AB)
M23	25-7	1415	5345	Tue	MY	CW	(AB)
M23	25-7	1431	5345	Tue	MY	CW	(AB)
M23	25-7	1446	5345	Tue	MY	CW	(AB)
M23	25-7	1501	5345	Tue	MY	CW	(AB)
M23	25-7	1516	5345	Tue	MY	CW	(AB)
M23	25-7	1531	5345	Tue	MY	CW	(AB)
M23	25-7	1601	5345	Tue	MY	CW	(AB)
M23	25-7	1616	5345	Tue	MY	CW	(AB)
M23	25-7	1631	5345	Tue	MY	CW	(AB)
M23	25-7	1701	5345	Tue	MY	CW	(AB)
M23	25-7	1716	5345	Tue	MY	CW	(AB)
M23	25-7	1731	5345	Tue	MY	CW	(AB)
M23	25-7	1746	5345	Tue	MY	CW	(AB)
M23	25-7	1802	5345	Tue	MY	CW	(BR)
M23	25-7	1817	5345	Tue	MY	CW	(BR)
M23	25-7	1847	5345	Tue	MY	CW	(BR)
M23	25-7	1902	5345	Tue	MY	CW	(BR)
M23	25-7	1917	5345	Tue	MY	CW	(BR)
M23	25-7	1932	5345	Tue	MY	CW	(BR)
M23	25-7	1947	5345	Tue	MY	CW	(BR)
M23	25-7	2032	5345	Tue	MY	CW	(BR)
M23	25-7	2047	5345	Tue	MY	CW	(BR)
M23	25-7	2102	5345	Tue	MY	CW	(BR)
M23	26-7	0519	5345	Wed	MY	CW	(AB)
M23	26-7	0534	5345	Wed	MY	CW	(AB)
M23	26-7	0549	5345	Wed	MY	CW	(AB)
M23	26-7	0604	5345	Wed	MY	CW	(AB)
M23	26-7	0957	20456	Wed	ST3 (R 20m)	CW	(TM)
M23	26-7	1624	5345	Wed	MY	CW	(AB)
M23	26-7	1639	5345	Wed	MY	CW	(AB)

M23	26-7	1654	5345	Wed	MY	CW	(AB)
M23	26-7	1709	5345	Wed	MY	CW	(AB)
M23	26-7	1724	5345	Wed	MY	CW	(AB)
M23	26-7	1757	6937	Wed	S1S (R15m)	CW	(PY)
M23	27-7	0527	5345	Thu	MY	CW	(AB)
M23	27-7	0542	5345	Thu	MY	CW	(AB)
M23	27-7	0557	5345	Thu	MY	CW	(AB)
M23	27-7	0612	5345	Thu	MY	CW	(AB)
M23	27-7	0627	5345	Thu	MY	CW	(AB)
M23	27-7	1028	5345	Thu	MY	CW	(AB)
M23	27-7	1113	5345	Thu	MY	CW	(HFD)
M23	27-7	1143	5345	Thu	MY	CW	(AB)
M23	27-7	1228	5345	Thu	MY	CW	(AB)
M23	27-7	1243	5345	Thu	MY	CW	(AB)
M23	27-7	1259	5345	Thu	MY	CW	(AB)
M23	27-7	1414	5345	Thu	MY	CW	(AB)
M23	27-7	1559	5345	Thu	MY	CW	(AB)
M23	27-7	1714	5345	Thu	MY	CW	(AB)
M23	27-7	1729	5345	Thu	MY	CW	(AB)
M23	27-7	1757	6937	Thu	S1S (R15m)	CW	(PY)
M23	27-7	1957	4822	Thu	S1S (R15m)	ICW	(PY)
M23	27-7	2030	5345	Thu	MY	CW	(AB)
M23	28-7	0000	5345	Fri	MY	CW	(AB)
M23	28-7	0157	5345	Fri	ST3 (R 20m)	CW	(AB)
M23	28-7	0231	5345	Fri	MY	CW	(AB)
M23	28-7	0501	5345	Fri	MY	CW	(AB)
M23	28-7	0647	5345	Fri	MY	CW	(AB)
M23	28-7	1032	5345	Fri	MY	CW	(AB)
M23	28-7	1218	5345	Fri	MY	CW	(AB)
M23	28-7	1448	5345	Fri	MY	CW	(AB)
M23	28-7	1648	5345	Fri	MY	CW	(AB)
M23	28-7	1757	6937	Fri	S1S (R15m)	CW	(PY)
M23	28-7	1757	6937	Fri	S1S (R15m)	CW	(PY)
M23	28-7	2035	5345	Fri	MY	CW	(AB)
M23	29-7	0051	5345	Sat	MY	CW	(AB)
M23	29-7	0106	5345	Sat	MY	CW	(AB)
M23	29-7	0121	5345	Sat	MY	CW	(AB)
M23	29-7	0136	5345	Sat	MY	CW	(AB)
M23	29-7	0151	5345	Sat	MY	CW	(AB)
M23	29-7	0157	5345	Sat	ST3 (R 20m)	CW	(AB)
M23	29-7	0221	5345	Sat	MY	CW	(AB)
M23	29-7	1957	4822	Sat	S1S (R15m)	ICW	(PY)

M23	30-7	0156	5345	Sun	MY	CW	(AB)
M23	30-7	0157	5345	Sun	ST3 (R 20m)	CW	(AB)
M23	30-7	0236	5345	Sun	MY	CW	(AB)
M23	30-7	0612	5345	Sun	MY	CW	(AB)
M23	30-7	0627	5345	Sun	MY	CW	(AB)
M23	30-7	0642	5345	Sun	MY	CW	(AB)
M23	30-7	0707	5345	Sun	MY	CW	(AB)
M23	30-7	0712	5345	Sun	MY	CW	(AB)
M23	30-7	0957	20456	Sun	ST3 (R 20m)	CW	(TM)
M23	30-7	1757	6937	Sun	S1S (R15m)	CW	(PY)
M23	30-7	1957	4822	Sun	S1S (R15m)	ICW	(PY)
M23	31-7	1357	11530	Mon	OSS (R20m)	CW	(Pof)
M23	31-7	1757	6937	Mon	S1S (R15m)	CW	(PY)
M23	31-7	1957	4822	Mon	S1S (R15m)	CW	(PY)
M23	27-7	0557	10381	Thu	ST3 (R 20m)	CW	(AB)
M23	28-7	0557	10381	Fri	ST3 (R 20m)	CW	(AB)
M23	29-7	0557	10381	Sat	ST3 (R 20m)	CW	(Pof/AB)
M23	30-7	0557	10381	Sun	ST3 (R 20m)	CW	(Pof/AB)
M23	30-7	1058	5345	Sun	MY	CW	(MPJ)
M23	30-7	1213	5345	Sun	MY	CW	(MPJ)
M23	30-7	1228	5345	Sun	MY	CW	(MPJ)
M23	30-7	1514	5345	Sun	MY	CW	(MPJ)
M23	30-7	1529	5345	Sun	MY	CW	(MPJ)
M23	30-7	1559	5345	Sun	MY	CW	(MPJ)
M23	30-7	1744	5345	Sun	MY	CW	(MPJ)
M23	30-7	1914	5345	Sun	MY	CW	(MPJ)
M23	30-7	2055	5345	Sun	MY	CW	(AB)
M23	30-7	2115	5345	Sun	MY (clock reset)	CW	(AB)
M23	31-7	0157	5345	Mon	ST3 (R 20m)	CW	(AB)
M23	31-7	0231	5345	Mon	MY already 1 minute late	CW	(AB)
M23	31-7	0257	5345	Mon	time beep	CW	(AB)
M23	31-7	0357	5345	Mon	time beep	CW	(AB)
M23	31-7	0457	5345	Mon	time beep	CW	(AB)
M23	31-7	0557	10381	Mon	ST3 (R 20m)	CW	(AB)
M23	31-7	0957	20456	Mon	ST3 (R 20m)	CW	(Pof/AB)
M32	27-7	1124	13396	Thu	XXX XXX 24YO 24YO 64796 28973 14030 31060 KOLHOZ 1410 7646 K	CW	(AB)
M32	31-7	1725	14411	Mon	RDL RDL RDL 92816 47981 92816 47981 92816 47981 K	FSK CW	(AB)
M42	4-7	1146	17419	Tue	Russian diplo	Serdolik v2	(RO)
M42	4-7	1159	17419	Tue	Russian diplo	Serdolik v2	(RO)
M42	5-7	1106	14653	Wed	Russian diplo	Serdolik v2	(RXR)
M42	5-7	1110	14653	Wed	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-7	1159	17440	Wed	Russian diplo. Selcal	Serdolik v2	(RO)

M42	5-7	1206	17440	Wed	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-7	1209	17440	Wed	Russian diplo. Selcal	Serdolik v2	(RO)
M42	5-7	1210	14650	Wed	Russian diplo	Serdolik v2	(RXR)
M42	5-7	1219	14650	Wed	Russian diplo	Serdolik v2	(RXR)
M42	5-7	1243	14650	Wed	Russian diplo	Serdolik v2	(RXR)
M42	6-7	0726	16315	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB/RO)
M42	6-7	0728	21824	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB/RO)
M42	6-7	0730	16315	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB/RO)
M42	6-7	0731	21824	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB/RO)
M42	6-7	0736	16315	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB/RO)
M42	6-7	0739	14474	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0741	16315	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0744	14474	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0750	16315	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0752	14474	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0753	21824	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0755	14474	Thu	Russian diplo. Serdolik selcal	Serdolik v2	(AB)
M42	6-7	0757	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0758	14472	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0801	14472	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0818	16313	Thu	Russian diplo. Traffic	Serdolik v2	(AB)
M42	6-7	0823	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0828	14472	Thu	Russian diplo. Traffic	Serdolik v2	(AB)
M42	6-7	0828	16313	Thu	Russian diplo. Traffic	Serdolik v2	(AB)
M42	6-7	0836	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0842	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0844	14472	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0846	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0904	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0911	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	6-7	0914	18194	Thu	Russian diplo	MFSK-66	(AB/RXR)
M42	6-7	1323	16313	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	6-7	1335	18750	Thu	Russian diplo	MFSK-66	(AB)
M42	6-7	1337	12089	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	9-7	1038	12096	Sun	Russian diplo	Serdolik v2	(RO)
M42	10-7	0935	14686	Mon	Russian diplo. Traffic	Serdolik v2	(AB)
M42	10-7	0935	14688	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	11-7	0828	14941	Tue	Russian diplo	MFSK-66	(RO)
M42	12-7	0719	13458	Wed	Russian diplo	MFSK-66	(AB)
M42	12-7	0729	13458	Wed	Russian diplo	MFSK-66	(RO)
M42	12-7	0751	12188	Wed	Russian diplo	Serdolik v2	(AB)
M42	12-7	0800	12188	Wed	Russian diplo	Serdolik v2	(RO)



<b>M42</b>	12-7	0801	20330	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	12-7	0803	11154	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	12-7	1153	10467	Wed	RHO: Chita wkg Moscow on 11561 kHz. Operator chat but too weak to copy	CW + FSK 100/500	(qsr711)
<b>M42</b>	12-7	1153	11561	Wed	Moscow wkg RHO: Chita on 10467 kHz. Operator chat and two messages	CW + FSK 100/500	(qsr711)
<b>M42</b>	13-7	1006	15650	Thu	Russian diplo	OFDM	(AB)
<b>M42</b>	13-7	1027	16250	Thu	Russian diplo	OFDM	(AB)
<b>M42</b>	18-7	0819	13399	Tue	Russian diplo	MFSK-66	(AB/RXR)
<b>M42</b>	19-7	0626	14454	Wed	Russian diplo. Selcal	Serdolik v2	(RO)
<b>M42</b>	19-7	0629	14452	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	19-7	0643	14452	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	19-7	1057	14653	Wed	Russian diplo. Selcal	Serdolik v2	(RO)
<b>M42</b>	19-7	1104	14653	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	19-7	1152	14653	Wed	UBC: Moscow msg to RHO: Chita. 11100 30109 __325 19134 05003 (5fg message) and 11100 30109 43221 19135 05003 (5lg message)	FSK 100/500	(qsr711)
<b>M42</b>	19-7	1205	15677	Wed	RHO: Chita msg to UBC: Moscow (inverted FSK) 11800 30109 35896 19133 05009 (5fg message) and 11800 30109 87439 19134 05009 (5lg message)	FSK 100/500	(qsr711)
<b>M42</b>	19-7	1253	14458	Wed	Russian diplo	MFSK-66	(RXR)
<b>M42</b>	19-7	1300	18755	Wed	Russian diplo	MFSK-66	(RXR)
<b>M42</b>	20-7	0703	17517	Thu	Russian diplo	MFSK-66	(RO)
<b>M42</b>	20-7	0719	17517	Thu	Russian diplo	MFSK-66	(RO)
<b>M42</b>	20-7	0724	17515	Thu	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	20-7	0730	21826	Thu	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	20-7	0738	21826	Thu	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	20-7	0744	21826	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	20-7	0748	16028	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
<b>M42</b>	20-7	0749	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	20-7	0803	16028	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
<b>M42</b>	20-7	0820	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	20-7	0917	20937	Thu	Russian diplo	MFSK-66	(RO)
<b>M42</b>	20-7	0918	19143	Thu	Russian diplo	MFSK-66	(RO)
<b>M42</b>	23-7	1043	10960	Sun	Russian diplo	Serdolik v2	(RXR)
<b>M51a</b>	22-7	0700	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	22-7	0700	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	22-7	0820	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	22-7	0820	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA	CW	(AB)
<b>M51b</b>	22-7	0733	3881	Sat	Non-stop 5 character groups composed of M51a messages	CW	(AB)
<b>M51b</b>	22-7	0733	6825	Sat	Non-stop 5 character groups composed of M51a messages	CW	(AB)
<b>M89</b>	3-7	1158	3565	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)

M89	3-7	1158	4718	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	3-7	1206	11350	Mon	i.p. HR MSG GA ? K NR 1021 CK 6.2 .. 0703 ..00 RMKS 2135940 TO 213.948 ...	CW	(JPL)
M89	3-7	1210	11011	Mon	i.p. = 435A 5U6T 67TU 46N7 367U 375D DU67 AT4U ADUN A45N 35A4 U67A 7TUA ... AR QSL ? K R OK U MSG GA K	CW	(JPL)
M89	3-7	1227	11091	Mon	i.p. = 5743 N4U5 TN6U 7354 45NU 6T75 AN67 A673 A56T 4T7U ...	CW	(JPL)
M89	3-7	1230	10810	Mon	i.p. TD4U T456 U6..	CW	(JPL)
M89	3-7	1232	10714	Mon	i.p. 6TA5 6743 5NTA D6UA DTU3 3DN5 T45D AN36 AR K R OK U MSG GA K	CW	(JPL)
M89	3-7	1234	9036	Mon	i.p. ATNE AR K R ... GA K	CW	(JPL)
M89	16-7	1958	3565	Sun	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	16-7	1958	4718	Sun	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	24-7	1118	6378	Mon	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	24-7	1118	7045	Mon	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	24-7	1120	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	24-7	1120	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	24-7	1126	6875	Mon	i.p. MSG NR 5.. ck 6.1 64 0725 RMKS 39.2 TO 3.94 K	CW	(JPL)
M89	24-7	1130	7620	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	24-7	1130	8350	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M95	3-7	1136	4364	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY //8073	CW	(JPL)
M95	3-7	1136	8073	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY //4364	CW	(JPL)
M95	3-7	1148	4243	Mon	VVV HR 7G TO YR PSE CY NR 072 CK 39 35 0703 1502 = //9054	CW	(JPL)
M95	3-7	1148	9054	Mon	VV HR 7G TO YR PSE CY NR 072 CK 39 35 0703 1502 = //4243	CW	(JPL)
M95	3-7	1203	5651	Mon	V XP5B (x3) DE S2DJ (x2) //12039	CW	(JPL)
M95	3-7	1203	12039	Mon	V XP5B (x3) DE S2DJ (x2) //5651	CW	(JPL)
M95	3-7	1220	11212	Mon	i.p. R = 6197 AR K R HR 7G GA K R GA K (Both stations on this frequency)	CW	(JPL)
M95	16-7	1927	4178	Sun	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	16-7	1927	7517	Sun	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	24-7	1146	4364	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY NR ____ CK 46 35 0724 1620 = (did not send MSG NR) TA4 3U6 3AN 3U7 TAU 773 353 ... //8073	CW	(JPL)
M95	24-7	1146	8073	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY NR ____ CK 46 35 0724 1620 = (did not send MSG NR) TA4 3U6 3AN 3U7 TAU 773 353 ... //4364	CW	(JPL)
M95	24-7	1154	4243	Mon	A HR 7G GA NR 48 CK 151 35 0724 1529 = UTU .U4 3A6 3A4 TTU 773 35U N3D 353 4T7 ... //9054	CW	(JPL)
M95	24-7	1158	5651	Mon	V XP5B (x3) DE S2DJ (x2) //12039	CW	(JPL)
M95	24-7	1158	12039	Mon	V XP5B (x3) DE S2DJ (x2) //5651	CW	(JPL)
M95	30-7	1515	4178	Sun	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	30-7	1515	4690	Sun	i.p. 7474 3A56 U4T4 AR K NR RPT 26W U R 26W 3246 K	CW	(JPL)
M95	30-7	1515	7517	Sun	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
MX	18-7	2022	5007	Tue	Beacon V	CW	(F5OIH)
MX	18-7	2103	4031	Tue	Beacon V	CW	(F5OIH)
P03	3-7	1030	9179	Mon	Polish intel.	PSK	(PY)
P03	3-7	1035	9179	Mon	Polish intel.	PSK	(PY)
P03	4-7	0810	11581	Tue	Polish intel.	PSK	(PY)



P03	4-7	0815	11581	Tue	Polish intel.	PSK	(PY)
P03	4-7	1100	7727	Tue	Polish intel.	PSK	(PY)
P03	4-7	1105	7727	Tue	Polish intel.	PSK	(PY)
P03	5-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	5-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	6-7	0615	10508	Thu	Polish intel.	PSK	(AB)
P03	6-7	0625	10508	Thu	Polish intel.	PSK	(AB)
P03	6-7	0720	10508	Thu	Polish intel.	PSK	(AB)
P03	6-7	0725	10508	Thu	Polish intel.	PSK	(AB)
P03	7-7	0800	7371	Fri	Polish intel.	PSK	(AB)
P03	7-7	0805	7371	Fri	Polish intel.	PSK	(AB)
P03	7-7	0850	11581	Fri	Polish intel.	PSK	(AB)
P03	7-7	0855	11581	Fri	Polish intel.	PSK	(AB)
P03	7-7	1500	9179	Fri	Polish intel.	PSK	(AB)
P03	7-7	1505	9179	Fri	Polish intel.	PSK	(AB)
P03	10-7	1030	9179	Mon	Polish intel.	PSK	(PY)
P03	10-7	1035	9179	Mon	Polish intel.	PSK	(PY)
P03	11-7	0615	10508	Tue	Polish intel.	PSK	(AB)
P03	11-7	0625	10508	Tue	Polish intel.	PSK	(AB)
P03	11-7	0810	11581	Tue	Polish intel.	PSK	(PY)
P03	11-7	0815	11581	Tue	Polish intel.	PSK	(PY)
P03	11-7	1100	7727	Tue	Polish intel.	PSK	(AB)
P03	11-7	1105	7727	Tue	Polish intel.	PSK	(AB)
P03	11-7	1500	9179	Tue	Polish intel.	PSK	(AB)
P03	11-7	1505	9179	Tue	Polish intel.	PSK	(AB)
P03	12-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	12-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	12-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	12-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	13-7	0615	10508	Thu	Polish intel.	PSK	(AB)
P03	13-7	0625	10508	Thu	Polish intel.	PSK	(AB)
P03	13-7	0720	10508	Thu	Polish intel.	PSK	(AB)
P03	13-7	0725	10508	Thu	Polish intel.	PSK	(AB)
P03	13-7	0800	7371	Thu	Polish intel.	PSK	(AB)
P03	13-7	0805	7371	Thu	Polish intel.	PSK	(AB)
P03	14-7	0800	7371	Fri	Polish intel.	PSK	(AB)
P03	14-7	0805	7371	Fri	Polish intel.	PSK	(AB)
P03	14-7	0850	11581	Fri	Polish intel.	PSK	(AB)
P03	14-7	0855	11581	Fri	Polish intel.	PSK	(AB)
P03	14-7	1500	9179	Fri	Polish intel.	PSK	(AB)
P03	14-7	1505	9179	Fri	Polish intel.	PSK	(AB)
P03	17-7	1030	9179	Mon	Polish intel.	PSK	(AB)

P03	17-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	18-7	0615	10508	Tue	Polish intel.	PSK	(AB)
P03	18-7	0625	10508	Tue	Polish intel.	PSK	(AB)
P03	18-7	0810	11581	Tue	Polish intel.	PSK	(AB)
P03	18-7	0815	11581	Tue	Polish intel.	PSK	(AB)
P03	18-7	1100	7727	Tue	Polish intel.	PSK	(AB)
P03	18-7	1105	7727	Tue	Polish intel.	PSK	(AB)
P03	18-7	1500	9179	Tue	Polish intel.	PSK	(AB)
P03	18-7	1505	9179	Tue	Polish intel.	PSK	(AB)
P03	19-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	19-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	19-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	19-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	20-7	0615	10508	Thu	Polish intel.	PSK	(AB)
P03	20-7	0625	10508	Thu	Polish intel.	PSK	(AB)
P03	20-7	0720	10508	Thu	Polish intel.	PSK	(AB)
P03	20-7	0725	10508	Thu	Polish intel.	PSK	(AB)
P03	20-7	0800	7371	Thu	Polish intel.	PSK	(AB)
P03	20-7	0805	7371	Thu	Polish intel.	PSK	(AB)
P03	21-7	0800	7371	Fri	Polish intel.	PSK	(AB)
P03	21-7	0805	7371	Fri	Polish intel.	PSK	(AB)
P03	21-7	0850	11581	Fri	Polish intel.	PSK	(AB)
P03	21-7	0855	11581	Fri	Polish intel.	PSK	(AB)
P03	21-7	1500	9179	Fri	Polish intel.	PSK	(AB)
P03	21-7	1505	9179	Fri	Polish intel.	PSK	(AB)
P03	24-7	1030	9179	Mon	Polish intel.	PSK	(AB)
P03	24-7	1035	9179	Mon	Polish intel.	PSK	(AB)
P03	25-7	0615	10508	Tue	Polish intel.	PSK	(AB)
P03	25-7	0625	10508	Tue	Polish intel.	PSK	(AB)
P03	25-7	0810	11581	Tue	Polish intel.	PSK	(AB)
P03	25-7	0815	11581	Tue	Polish intel.	PSK	(AB)
P03	25-7	1100	7727	Tue	Polish intel.	PSK	(AB)
P03	25-7	1105	7727	Tue	Polish intel.	PSK	(AB)
P03	25-7	1500	9179	Tue	Polish intel.	PSK	(AB/MPJ)
P03	25-7	1505	9179	Tue	Polish intel.	PSK	(AB/MPJ)
P03	26-7	1030	9179	Wed	Polish intel.	PSK	(AB)
P03	26-7	1035	9179	Wed	Polish intel.	PSK	(AB)
P03	26-7	1100	7727	Wed	Polish intel.	PSK	(AB)
P03	26-7	1105	7727	Wed	Polish intel.	PSK	(AB)
P03	27-7	0615	10508	Thu	Polish intel.	PSK	(AB)
P03	27-7	0625	10508	Thu	Polish intel.	PSK	(AB)
P03	27-7	0800	7371	Thu	Polish intel.	PSK	(AB)

<b>P03</b>	27-7	0805	7371	Thu	Polish intel.	PSK	(AB)
<b>P03</b>	28-7	0800	7371	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	28-7	0805	7371	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	28-7	0850	11581	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	28-7	0855	11581	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	28-7	1500	9179	Fri	Polish intel.	PSK	(AB/MPJ)
<b>P03</b>	28-7	1505	9179	Fri	Polish intel.	PSK	(AB/MPJ)
<b>P03</b>	31-7	1030	9179	Mon	Polish intel.	PSK	(AB)
<b>P03</b>	31-7	1035	9179	Mon	Polish intel.	PSK	(AB)
<b>P03 P</b>	6-7	0800	7371	Thu	Polish intel.	SK	(PY)
<b>P03 P</b>	6-7	0805	7371	Thu	Polish intel.	SK	(PY)
<b>P03e</b>	2-7	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	2-7	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	2-7	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	2-7	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	4-7	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	4-7	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	7-7	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	7-7	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	9-7	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	9-7	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	9-7	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	9-7	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	11-7	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	11-7	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	14-7	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	14-7	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	16-7	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	16-7	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	16-7	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	16-7	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	18-7	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	18-7	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
<b>P03e</b>	21-7	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	21-7	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	23-7	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	23-7	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	23-7	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	23-7	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	25-7	1725	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	25-7	1730	5231	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	28-7	1515	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

P03e	28-7	1520	14415	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-7	1515	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-7	1520	14415	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-7	1725	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-7	1730	5231	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03f	3-7	0530	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	3-7	0535	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	5-7	0530	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	5-7	0535	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	10-7	0530	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	10-7	0535	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	12-7	0530	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	12-7	0535	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	17-7	0530	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	17-7	0535	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	19-7	0530	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	19-7	0535	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	24-7	0530	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	24-7	0535	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	26-7	0530	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	26-7	0535	13537	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	31-7	0530	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	31-7	0535	13537	Mon	Polish intel.	QPSK 200Bd	(AB)
P03j	3-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	3-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	10-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	17-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	19-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	19-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	19-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	19-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	21-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	24-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-7	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-7	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-7	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	26-7	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB-POL)
P03j	28-7	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-7	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-7	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	31-7	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-7	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1200	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1205	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-7	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	1-7	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	1-7	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	1-7	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	2-7	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1200	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	2-7	1205	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	2-7	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-7	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-7	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-7	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-7	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	5-7	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-7	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-7	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-7	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-7	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1200	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1205	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-7	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1200	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	9-7	1205	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	9-7	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-7	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-7	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-7	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-7	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-7	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-7	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-7	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-7	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	14-7	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	14-7	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-7	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-7	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)



P03k	15-7	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1200	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1205	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-7	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-7	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-7	1200	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	16-7	1205	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	16-7	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-7	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-7	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-7	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-7	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-7	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	1200	5409	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	1205	5409	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-7	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-7	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	21-7	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	21-7	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-7	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-7	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	1200	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-7	1205	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-7	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	22-7	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	22-7	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)

P03k	22-7	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	22-7	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-7	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-7	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-7	1200	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	23-7	1205	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	23-7	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-7	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-7	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-7	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-7	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-7	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-7	1230	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-7	1235	13873	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	1310	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	1315	9558	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-7	1800	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-7	1805	5344	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-7	1200	5409	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-7	1205	5409	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-7	1950	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-7	1955	5779	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-7	0530	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	28-7	0535	11420	Fri	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	28-7	1100	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-7	1105	8530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-7	0630	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	0635	6814	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1200	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-7	1205	5409	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-7	1230	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1235	13873	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1310	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-7	1315	9558	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	29-7	1800	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-7	1805	5344	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	0530	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)



P03k	30-7	0535	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	0630	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	0635	6814	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1100	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1105	8530	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1200	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	30-7	1205	5409	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	30-7	1220	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-7	1225	8803	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-7	1950	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-7	1955	5779	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-7	1220	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-7	1225	8803	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	1-7	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	1-7	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-7	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-7	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-7	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	3-7	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	5-7	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-7	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-7	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-7	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-7	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-7	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-7	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-7	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-7	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	10-7	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	12-7	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-7	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-7	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	14-7	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	15-7	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-7	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-7	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-7	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	17-7	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	19-7	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-7	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-7	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	21-7	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-7	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	22-7	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	23-7	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-7	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-7	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	24-7	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	26-7	1345	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-7	1350	8597	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-7	1345	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	28-7	1350	8597	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	29-7	1245	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	29-7	1250	5082	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	30-7	1245	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-7	1250	5082	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-7	1200	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	31-7	1205	5409	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P07	5-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1440	5861	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-7	1450	5386	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	9-7	1400	9368	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	9-7	1410	8185	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	9-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	9-7	1430	6872	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	9-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	9-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	12-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-7	1440	5861	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-7	1450	5386	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-7	1430	6872	Sat	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	16-7	1400	9368	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	16-7	1410	8185	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	16-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	16-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	16-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	19-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)

P07	19-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	19-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	19-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	19-7	1440	5861	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	19-7	1450	5386	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	23-7	1400	9368	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	23-7	1410	8185	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	23-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	23-7	1430	6872	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	23-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	23-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	26-7	1400	9368	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	26-7	1410	8185	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	26-7	1420	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	26-7	1430	6872	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	26-7	1440	5861	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	26-7	1450	5386	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-POL)
P07	30-7	1400	9368	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	30-7	1410	8185	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	30-7	1420	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	30-7	1430	6872	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	30-7	1440	5861	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
P07	30-7	1450	5386	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB-RUS)
Q26	3-7	1131	4364	Mon	XSV85: Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	3-7	1131	8073	Mon	XSV85: Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	3-7	1143	4243	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	3-7	1143	9054	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	24-7	1131	4364	Mon	XSV85: message //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	24-7	1131	8073	Mon	XSV85: message //4364	4+4 QPSK 75/3000 LSB	(JPL)
S06	3-7	0400	11616	Mon	480 617 52 61892 61258 91243 ... 92414 57874 12262 617 52 00000	USB	(Lac/Subilo)
S06	3-7	0400	11616	Mon	480 617 52 61892 61268 91243 ... 92414 57874 12262 617 52 00000	USB	(Subilo)
S06	3-7	0420	9322	Mon	480 617 52 61892 61258 91243 ... 92414 57874 12262 617 52 00000	USB	(Lac/Subilo)
S06	3-7	0420	9322	Mon	480 617 52 61892 61268 91243 ... 92414 57874 12262 617 52 00000	USB	(Subilo)
S06	4-7	0400	11616	Tue	480 532 61 54135 05944 61607 ... 54354 06484 56582 352 61 00000	USB	(Subilo)
S06	4-7	0420	9322	Tue	480 532 61 54135 05944 61607 ... 54354 06484 56582 352 61 00000	USB	(Subilo)
S06	5-7	0400	11616	Wed	480 976 54 25805 70285 08553 ... 62264 54246 32937 976 54 00000	USB	(Lac/Subilo)
S06	5-7	0420	9322	Wed	480 976 54 25805 70285 08553 ... 62264 54246 32937 976 54 00000	USB	(Lac/Subilo)
S06	6-7	0400	11616	Thu	480 513 64 57347 29850 51077 ... 56442 39912 55411 513 64 00000	USB	(Lac/Subilo)
S06	6-7	0420	9322	Thu	480 513 64 57347 29850 51077 ... 56442 39912 55411 513 64 00000	USB	(Lac/Subilo)
S06	7-7	0400	11616	Fri	480 926 57 56346 79413 81795 ... 81906 35524 88908 926 57 00000	USB	(Subilo)
S06	7-7	0420	9322	Fri	480 926 57 56346 79413 81795 ... 81906 35524 88908 926 57 00000	USB	(Subilo)
S06	7-7	2000	10286	Fri	637 637 637 00000	USB	(AB/Lac)

S06	7-7	2100	8037	Fri	637 637 637 00000	USB	(AB)
S06	10-7	0400	11616	Mon	480 715 63 38835 60080 77925 ... 98689 58793 95335 715 63 00000	USB	(Subilo)
S06	10-7	0420	9322	Mon	480 715 63 38835 60080 77925 ... 98689 58793 95335 715 63 00000	USB	(Lac)
S06	10-7	0420	9322	Mon	480 715 63 38835 60080 77925 ... 98689 58793 95335 715 63 00000	USB	(Subilo)
S06	11-7	0400	11616	Tue	480 623 57 37611 93378 63669 ... 00028 42117 80548 623 57 00000	USB	(Subilo)
S06	11-7	0420	9322	Tue	480 623 57 37611 93378 63669 ... 00028 42117 80548 623 57 00000	USB	(Subilo)
S06	12-7	0400	11616	Wed	480 719 56 12218 39877 42770 ... 84277 38113 48275 719 56 00000	USB	(Subilo)
S06	12-7	0420	9322	Wed	480 719 56 12218 39877 42770 ... 84277 38113 48275 719 56 00000	USB	(Subilo)
S06	13-7	0400	11616	Thu	480 235 61 27800 08135 99848 ... 14375 57034 65251 235 61 00000	USB	(Subilo)
S06	13-7	0420	9322	Thu	480 235 61 27800 08135 99848 ... 14375 57034 65251 235 61 00000	USB	(Subilo)
S06	14-7	0400	11616	Fri	480 697 53 96399 92855 52691 ... 74422 27149 91302 697 53 00000	USB	(Subilo)
S06	14-7	0420	9322	Fri	480 697 53 96399 92855 52691 ... 74422 27149 91302 697 53 00000	USB	(Subilo)
S06	17-7	0400	11616	Mon	480 521 63 56705 71327 48658 ... 85509 77367 77346 521 63 00000	USB	(Subilo)
S06	17-7	0420	9322	Mon	480 521 63 56705 71327 48658 ... 85509 77367 77346 521 63 00000	USB	(Subilo)
S06	18-7	0400	11616	Tue	480 367 59 81876 18629 02924 ... 98242 70801 75839 367 59 00000	USB	(Subilo)
S06	18-7	0420	9322	Tue	480 367 59 81876 18629 02924 ... 98242 70801 75839 367 59 00000	USB	(Subilo)
S06	19-7	0400	11616	Wed	480 915 62 84065 45548 22723 ... 76233 11290 73282 915 62 00000	USB	(Subilo)
S06	19-7	0420	9322	Wed	480 915 62 84065 45548 22723 ... 76233 11290 73282 915 62 00000	USB	(Subilo)
S06	20-7	0400	11616	Thu	480 326 57 69173 61402 47294 ... 83186 93876 41677 326 57 00000	USB	(Subilo)
S06	20-7	0420	9322	Thu	480 326 57 69173 61402 47294 ... 83186 93876 41677 326 57 00000	USB	(Subilo)
S06	21-7	0400	11616	Fri	480 795 63 99224 20588 53022 ... 89957 18115 15926 795 63 00000	USB	(Subilo)
S06	21-7	0420	9322	Fri	480 795 63 99224 20588 53022 ... 89957 18115 15926 795 63 00000	USB	(Subilo)
S06	21-7	2000	10286	Fri	637 637 637 00000	USB	(AB)
S06	21-7	2100	8037	Fri	637 637 637 00000	USB	(AB)
S06	23-7	0839	11073	Sun	i.p. from the Chita site	USB	(linkz)
S06	24-7	0400	11616	Mon	480 126 53 37610 54243 54341 ... 02518 11161 95088 126 53 00000	USB	(Subilo/Lac)
S06	24-7	0420	9322	Mon	480 126 53 37610 54243 54341 ... 02518 11161 95088 126 53 00000	USB	(Subilo/Lac)
S06	25-7	0400	11616	Tue	480 739 65 51766 89956 51910 ... 30938 38706 84774 739 65 00000	USB	(Subilo)
S06	25-7	0420	9322	Tue	480 739 65 51766 89956 51910 ... 30938 38706 84774 739 65 00000	USB	(Subilo)
S06	26-7	0400	11616	Wed	480 156 52 19509 10001 02425 ... 13301 19194 37085 156 52 00000	USB	(Subilo)
S06	26-7	0420	9322	Wed	480 156 52 19509 10001 02425 ... 13301 19194 37085 156 52 00000	USB	(Subilo)
S06	28-7	0400	11616	Fri	480 923 51 04574 59962 23706 ... 43184 45089 55410 923 51 00000	USB	(Subilo)
S06	28-7	0420	9322	Fri	480 923 51 04574 59962 23706 ... 43184 45089 55410 923 51 00000	USB	(Subilo)
S06	31-7	0400	11616	Mon	480 671 53 77871 57637 48339 ... 38829 79525 48517 671 53 00000	USB	(Subilo)
S06	31-7	0420	9322	Mon	480 671 53 77871 57637 48339 ... 38829 79525 48517 671 53 00000	USB	(Subilo)
S06c	12-7	0920	18697	Wed	11753 (R)	USB	(DE2TRF/PY)
S11a	1-7	0830	5149	Sat	376/00 Konets	USB	(AB/Lac)
S11a	1-7	1850	12457	Sat	287/00 Konets	USB	(AB)
S11a	2-7	0830	5149	Sun	378/00 Konets	USB	(AB-POL)
S11a	3-7	0510	13537	Mon	654/37 Vnimaniye 81725 67658 34154 ... 82663 33277 07451 Vnimaniye (msg rptd) Konets	USB	(AB-POL/Lac/Subilo)
S11a	3-7	0700	9339	Mon	479/39 Vnimaniye 66727 77068 67255 ... 21364 13444 31430 Vnimaniye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	3-7	0915	6814	Mon	480/00 Konets	USB	(AB/Subilo)

S11a	4-7	0445	9968	Tue	794/00 Konets	USB	(AB/Lac)
S11a	4-7	1400	9448	Tue	420/00 Konets	USB	(AB/Lac)
S11a	5-7	0510	13537	Wed	654/37 Vnimanije 81725 67658 34154 ... 82663 33277 07451 Vnimanije (msg rptd) Konets	USB	(AB-POL/Lac/Subilo)
S11a	5-7	0725	20905	Wed	382/00 Konets	USB	(AB-RUS)
S11a	5-7	1850	12457	Wed	285/00 Konets	USB	(AB)
S11a	6-7	0445	9968	Thu	798/00 Konets	USB	(AB/Lac)
S11a	6-7	0700	9339	Thu	479/39 Vnimanije 66727 77068 67255 ... 21364 13444 31430 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	7-7	0725	20905	Fri	387/00 Konets	USB	(AB)
S11a	7-7	0915	6814	Fri	481/00 Konets	USB	(AB/Lac)
S11a	7-7	1400	9448	Fri	421/00 Konets	USB	(AB/Lac)
S11a	8-7	0830	5149	Sat	378/00 Konets	USB	(AB)
S11a	8-7	0830	5149	Sat	378/00 Konets	USB	(Lac)
S11a	8-7	1850	12457	Sat	284/00 Konets	USB	(AB)
S11a	9-7	0830	5149	Sun	370/00 Konets	USB	(AB-POL)
S11a	10-7	0510	13537	Mon	651/00 Konets	USB	(AB-POL/Lac)
S11a	10-7	0700	9339	Mon	479/00 Konets	USB	(AB)
S11a	10-7	0915	6814	Mon	480/00 Konets	USB	(AB)
S11a	11-7	0445	9968	Tue	793/00 Konets	USB	(AB)
S11a	11-7	1400	9448	Tue	422/40 Vnimanije 56399 83967 25654 ... 06662 10632 50720 Vnimanije (msg rptd) Konets	USB	(AB/Subilo)
S11a	12-7	0510	13756	Wed	650/00 Konets	USB	(Lac)
S11a	12-7	0725	20905	Wed	380/00 Konets	USB	(AB-POL/Lac)
S11a	12-7	1850	12457	Wed	284/32 Vnimanije 47606 61401 71111 ... 36731 14481 32051 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	13-7	0445	9968	Thu	794/00 Konets	USB	(AB-POL)
S11a	13-7	0700	9339	Thu	474/00 Konets	USB	(AB/Lac)
S11a	14-7	0725	20905	Fri	385/00 Konets	USB	(AB/HFD)
S11a	14-7	0915	6814	Fri	487/00 Konets	USB	(AB/Lac)
S11a	14-7	1400	9448	Fri	422/40 Vnimanije 56399 83967 25654 ... 06662 10632 50720 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	15-7	0830	5149	Sat	372/00 Konets	USB	(AB)
S11a	15-7	1850	12457	Sat	284/32 Vnimanije 47606 61401 71111 ... 36731 14481 32051 Vnimanije (msg rptd) Konets	USB	(AB/MPJ/Lac/Subilo)
S11a	16-7	0830	5149	Sun	379/00 Konets	USB	(AB-POL)
S11a	17-7	0510	13537	Mon	651/00 Konets	USB	(AB-POL)
S11a	17-7	0700	9339	Mon	470/00 Konets	USB	(AB)
S11a	17-7	0915	6814	Mon	481/00 Konets	USB	(AB)
S11a	18-7	0445	9968	Tue	791/00 Konets	USB	(AB)
S11a	18-7	1400	9448	Tue	421/00 Konets	USB	(AB/Lac)
S11a	19-7	0510	13537	Wed	654/00 Konets	USB	(AB-POL/Lac)
S11a	19-7	0725	20905	Wed	381/33 Vnimanije 26457 93435 43623 ... 26818 56512 47589 Vnimanije (msg rptd) Konets	USB	(AB-POL/Lac/Subilo)
S11a	19-7	1850	12457	Wed	285/00 Konets	USB	(AB/Lac)
S11a	20-7	0445	9968	Thu	798/00 Konets	USB	(AB)
S11a	20-7	0700	9339	Thu	477/00 Konets	USB	(AB)
S11a	21-7	0725	20905	Fri	381/33 Vnimanije 26457 93435 43623 ... 26818 56512 47589 Vnimanije (msg rptd) Konets	USB	(AB-POL/Lac/Subilo)



<b>S11a</b>	21-7	0915	6814	Fri	482/00 Konets	USB	(AB)
<b>S11a</b>	21-7	1400	9448	Fri	422/00 Konets	USB	(AB)
<b>S11a</b>	22-7	0830	5149	Sat	370/00 Konets	USB	(AB)
<b>S11a</b>	22-7	1850	12457	Sat	285/00 Konets	USB	(AB/MPJ)
<b>S11a</b>	23-7	0830	5149	Sun	377/00 Konets	USB	(AB-POL)
<b>S11a</b>	24-7	0510	13537	Mon	657/00 Konets	USB	(AB-POL)
<b>S11a</b>	24-7	0700	9339	Mon	475/00 Konets	USB	(AB)
<b>S11a</b>	24-7	0915	6814	Mon	487/40 Vnimanije 60473 51113 90009 ... 70349 16218 10674 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
<b>S11a</b>	25-7	0445	9968	Tue	797/31 Vnimanije 15552 34042 98111 ... 59551 34387 66225 Vnimanije (msg rptd) Konets	USB	(AB/Lac/Subilo)
<b>S11a</b>	25-7	1400	9448	Tue	426/00 Konets	USB	(AB-POL/MPJ)
<b>S11a</b>	26-7	0510	13537	Wed	659/00 Konets	USB	(AB-POL)
<b>S11a</b>	26-7	0725	20905	Wed	382/00 Konets	USB	(AB-POL)
<b>S11a</b>	26-7	1850	12457	Wed	286/00 Konets	USB	(AB/MPJ/Lac/Subilo)
<b>S11a</b>	27-7	0445	9968	Thu	797/31 Vnimanije 15552 34042 98111 ... 59551 34387 66225 Vnimanije (msg rptd) Konets	USB	(AB)
<b>S11a</b>	27-7	0700	9339	Thu	478/00 Konets	USB	(AB)
<b>S11a</b>	28-7	0725	20905	Fri	384/00 Konets	USB	(AB-POL)
<b>S11a</b>	28-7	0915	6814	Fri	487/40 Vnimanije 60473 51113 90009 ... 70349 16218 10674 Vnimanije (msg rptd) Konets	USB	(AB-POL/SubiloL)
<b>S11a</b>	28-7	1400	9448	Fri	426/00 Konets	USB	(AB)
<b>S11a</b>	29-7	0830	5149	Sat	372/36 Vnimanije 75379 96960 13558 ... 91560 43645 10334 Vnimanije (msg rptd) Konets	USB	(AB-POL/Subilo)
<b>S11a</b>	29-7	1850	12457	Sat	285/00 Konets	USB	(AB)
<b>S11a</b>	30-7	0830	5149	Sun	372/36 Vnimanije 75379 96960 13558 ... 91560 43645 10334 Vnimanije (msg rptd) Konets	USB	(AB-POL/Subilo)
<b>S11a</b>	31-7	0510	13537	Mon	651/00 Konets	USB	(AB-POL)
<b>S11a</b>	31-7	0700	9339	Mon	472/00 Konets	USB	(AB/Lac)
<b>S11a</b>	31-7	0915	6814	Mon	484/00 Konets	USB	(AB-POL/Lac)
<b>UM03</b>	8-7	0700	4735	Sat	VVV VVV PROMRCh = 08 07 = 1000 0790 0820 0910 1320 ... 0800 0770 0780 0890 1220 = AR	CW	(Subilo/AB)
<b>UM04</b>	1-7	0700	4735	Sat	VVV VVV PROMRCh = 01 07 = 1000 0810 0830 0930 1300 ... 0800 0770 0800 0910 1240 = AR	CW	(Sublio/AB)
<b>UM04</b>	2-7	0701	4735	Sun	VVV VVV PROMRCh = 02 07 = 1000 0790 0820 0920 1310 ... 0800 0760 0790 0890 1210 = AR	CW	(AB-HNG)
<b>UM04</b>	3-7	0700	4735	Mon	VVV VVV PROMRCh = 03 07 = 1000 0790 0820 0920 1320 ... 0800 0760 0780 0890 1220 = AR	CW	(AB-HNG)
<b>UM04</b>	4-7	0700	4735	Tue	VVVVV PROMRCh = 04 07 = 1000 0790 0810 0910 1320 ... 0800 0760 0780 0890 1210 = AR	CW	(Sublio/AB)
<b>UM04</b>	5-7	0705	4735	Wed	VVV VVV PROMRCh = 05 07 = 1000 0790 0820 0910 1310 ... 0800 0760 0780 0890 1210 = AR	CW	(AB-HNG)
<b>UM04</b>	6-7	0700	4735	Thu	VVVVV PROMRCh = 06 07 = 1000 0780 0810 0910 1320 ... 0800 0750 0780 0880 1210 = AR	CW	(Sublio/AB)
<b>UM04</b>	7-7	0702	4735	Fri	Late start; carrier for 4m50s; random morse; VVV VVV PROMRCh = 07 07 = 1000 0790 0820 ... 1370 1400 0 off at 0713z; 0727z carrier for 36mins	CW	(AB-HNG/Subilo)
<b>UM04</b>	7-7	0803	4735	Fri	VVV VVV PROMRCh = 07 07 = 1000 0790 0820 0910 1310 ... 0800 0760 0780 0890 1210 = AR. 0810z End of transmission	CW	(AB-HNG/Subilo)
<b>UM04</b>	9-7	0700	4735	Sun	VVVVV PROMRCh = 0 9 07 = 1000 0790 0820 0910 1320 ... 0800 0760 0780 0890 1220 = AR	CW	(Sublio/AB)
<b>UM04</b>	10-7	0700	4735	Mon	VVV VVV PROMRCh = 10 07 = 1000 0790 0820 0920 1320 ... 0800 0770 0790 0900 1220 = AR	CW	(AB-HNG)
<b>UM04</b>	11-7	0702	4735	Tue	VVVVV PROMRCh = 11 07 = 1000 0790 0820 0920 1320 ... 0800 0770 0790 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	12-7	0700	4735	Wed	VVVVV PROMRCh = 1207 = 1000 0790 0820 0920 1320 ... 0800 0770 0790 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	13-7	0700	4735	Thu	VVV VVV PROMRCh = 13 07 = 1000 0790 0820 0920 1320 ... 0800 0770 0790 0900 1230 = AR	CW	(Sublio/AB)
<b>UM04</b>	14-7	0700	4735	Fri	VVVVV PROMRCh = 14 07 = 1000 0790 0820 0920 1320 ... 0800 0770 0790 0900 1230 = AR	CW	(Sublio/AB)
<b>UM04</b>	15-7	0700	4735	Sat	VVV VVV PROMRCh = 15 07 = 1000 0790 0820 0920 1320 ... 0800 0770 0800 0900 1230 = AR	CW	(Sublio/AB)

<b>UM04</b>	16-7	0701	4735	Sun	VVV VVV PROMRCh = 16 07 = 1000 0800 0820 0920 1320 ... 0800 0770 0800 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	17-7	0700	4735	Mon	VVVVV PROMRCh = 1707 = 1000 0800 0820 0920 1320 ... 0800 0770 0790 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	18-7	0702	4735	Tue	VVVVV PROMRCh = 18 07 = 1000 0800 0830 0920 1320 ... 0800 0770 0800 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	19-7	0700	4735	Wed	VVV VVV PROMRCh = 19 07 = 1000 0800 0820 0920 1320 ... 0800 0770 0800 0900 1230 = AR	CW	(AB-ROU)
<b>UM04</b>	20-7	0700	4735	Thu	VVVVV PROMRCh = 20 07 = 1000 0800 0820 0920 1320 ... 0800 0760 0790 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	21-7	0700	4735	Fri	VVVVV PROMRCh = 21 07 = 1000 0810 0830 0930 1320 ... 0800 0770 0800 0900 1240 = AR	CW	(Sublio/AB)
<b>UM04</b>	22-7	0700	4735	Sat	VVVVV PROMRCh = 2207 = 1000 0810 0840 0930 1320 ... 0800 0770 0800 0900 1240 = AR	CW	(Sublio/AB)
<b>UM04</b>	23-7	0700	4735	Sun	VVV VVV PROMRCh = 23 07 = 1000 0810 0830 0930 1320 ... 0800 0770 0800 0900 1230 = AR	CW	(AB-HNG)
<b>UM04</b>	24-7	0700	4735	Mon	VVVVV PROMRCh = 2407 = 1000 0800 0830 0920 1320 ... 0800 0760 0790 0900 1230 = AR	CW	(Sublio/AB)
<b>UM04</b>	25-7	0700	4735	Tue	VVV VVV PROMRCh = 25 07 = 1000 0800 0830 0930 1310 ... 0800 0760 0890 0760 1230 = AR	CW	(Sublio/AB)
<b>UM04</b>	26-7	0700	4735	Wed	VVVVV PROMRCh = 26 07 = 1000 0800 0820 0920 1310 ... 0800 0760 0780 0890 1220 = AR	CW	(AB-ROU)
<b>UM04</b>	28-7	0700	4735	Fri	VVV VVV PROMRCh = 28 07 = 1000 0790 0820 0910 1310 ... 0800 0750 0780 0880 1210 = AR	CW	(AB-HNG)
<b>UM04</b>	29-7	0700	4735	Sat	VVV VVV PROMRCh = 29 07 = 1000 0780 0810 0910 1310 ... 0800 0740 0770 0880 1210 = AR	CW	(AB-HNG)
<b>UM04</b>	30-7	0700	4735	Sun	VVVVV PROMRCh = 30 07 = 1000 0790 0810 0910 1320 ... 0800 0740 0770 0880 1210 = AR	CW	(AB-HNG)
<b>UM04</b>	31-7	0700	4735	Mon	VVVVV PROMRCh = 3107 = 1000 0790 0810 0910 1310 ... 0800 0740 0770 0880 1210 = AR	CW	(AB-HNG)
<b>V07</b>	9-7	0700	13978	Sun	931 931 931 1 132 65 132 65 26447 70391 63414 ... 94793 63452 55879 000 000	USB	(AB-J)
<b>V07</b>	9-7	0720	13378	Sun	931 931 931 1 132 65 132 65 26447 70391 63414 ... 94793 63452 55879 000 000	USB	(AB-J)
<b>V07</b>	9-7	0740	12178	Sun	931 931 931 1 132 65 132 65 26447 70391 63414 ... 94793 63452 55879 000 000	USB	(AB-J)
<b>V07</b>	16-7	0700	13978	Sun	931 931 931 1 7278 90 7278 90 81045 84268 30101 ... 50429 96283 47522 000 000	USB	(AB-J)
<b>V07</b>	16-7	0720	13378	Sun	931 931 931 1 7278 90 7278 90 81045 84268 30101 ... 50429 96283 47522 000 000	USB	(AB-J)
<b>V07</b>	16-7	0740	12178	Sun	931 931 931 1 7278 90 7278 90 81045 84268 30101 ... 50429 96283 47522 000 000	USB	(AB-J)
<b>V07</b>	23-7	0700	13978	Sun	931 931 931 1 830 111 830 111 12629 18428 06145 ... 99414 27520 37158 00411 000 000	USB	(AB-J/Dan/HFD-USA)
<b>V07</b>	23-7	0720	13378	Sun	931 931 931 1 830 111 830 111 12629 18428 06145 ... 99414 27520 37158 00411 000 000	USB	(AB-J/HFD-USA)
<b>V07</b>	23-7	0740	12178	Sun	931 931 931 1 830 111 830 111 12629 18428 06145 ... 99414 27520 37158 00411 000 000	USB	(AB-J/HFD-USA)
<b>V07</b>	30-7	0700	13978	Sun	931 931 931 000	USB	(AB-J/Dan)
<b>V07</b>	30-7	0720	13378	Sun	931 931 931 000	USB	(AB-J)
<b>V13</b>	2-7	1300	7688	Sun	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	2-7	1300	11430	Sun	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	6-7	1300	7688	Thu	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	6-7	1300	11430	Thu	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	10-7	1300	7688	Mon	New Star Broadcasting	AM	(AB)
<b>V13</b>	11-7	1300	7688	Tue	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	11-7	1300	11430	Tue	New Star Broadcasting	AM	(AB-TWN)
<b>V13</b>	17-7	1300	7688	Mon	New Star Broadcasting	AM	(AB)
<b>V13</b>	20-7	1200	9276	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	20-7	1200	13974	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	20-7	1300	7688	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	20-7	1300	11430	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	27-7	1200	13974	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	27-7	1330	7688	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	27-7	1330	11430	Thu	New Star Broadcasting	USB	(AB-KOR)
<b>V13</b>	29-7	1230	9276	Sat	New Star Broadcasting	AM	(AB-TWN)

V13	29-7	1230	13974	Sat	New Star Broadcasting	AM	(AB-TWN)
V26	3-7	1130	4364	Mon	XSV85: callup in Chinese voice //8073	USB	(JPL)
V26	3-7	1130	8073	Mon	XSV85: callup in Chinese voice //4364	USB	(JPL)
V26	3-7	1140	4243	Mon	Callup in Chinese voice //9054	USB	(JPL)
V26	3-7	1140	9054	Mon	Callup in Chinese voice //4243	USB	(JPL)
V26	24-7	1130	4364	Mon	XSV85: callup in Chinese voice //8073	USB	(JPL)
V26	24-7	1130	8073	Mon	XSV85: callup in Chinese voice //4364	USB	(JPL)
V28	17-7	2103	5032	Mon	Parrot	AM	(HK)
V28	17-7	2103	5499	Mon	Parrot	AM	(HK)
X06	3-7	0807	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/RO)
X06	3-7	0922	10675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(RO/Lac)
X06	4-7	0833	12149	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RXR)
X06	4-7	1153	17419	Tue	Active	MFSK-6	(RO)
X06	4-7	1154	15782	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RO)
X06	5-7	0815	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(AB/RO)
X06	5-7	1115	13979	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	5-7	1116	13979	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RXR)
X06	6-7	0723	15973	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(AB/RO)
X06	6-7	0748	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RO)
X06	6-7	0754	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	USB	(Lac)
X06	6-7	0920	16103	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RXR)
X06	7-7	0830	14570	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(AB/RO)
X06	9-7	1044	14414	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(Moon)
X06	10-7	1242	12177	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(RXR)
X06	11-7	0801	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO)
X06	11-7	0832	11545	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO)
X06	11-7	0843	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO)
X06	12-7	0719	10814	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/RO)
X06	12-7	0721	20950	Wed	MFA Moscow clg 435621: Russian embassy Maputo	MFSK-6	(AB/RO/Lac)
X06	12-7	0759	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(RO)
X06	12-7	0807	20334	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(RO)
X06	13-7	0824	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RXR)
X06	14-7	0637	11155	Fri	MFA Moscow clg 341265: unid embassy	MFSK-6	(AB/VSh)
X06	14-7	0753	13376	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN, Geneva	MFSK-6	(VSh/Lac)
X06	18-7	0823	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome. Off at 0825z and back after 40 sec.	MFSK-6	(AB/RXR)
X06	18-7	0825	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome. Off at 0830z	MFSK-6	(AB/RXR)
X06	18-7	1143	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RXR)
X06	19-7	0642	14405	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(RO)
X06	19-7	1110	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	19-7	1234	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(RXR/Moon)
X06	20-7	0729	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	20-7	0744	18575	Thu	MFA Moscow clg 352416: Russian embassu Dar es Salaam	MFSK-6	(RO)



X06	20-7	0816	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/RO)
X06	20-7	0916	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RO)
X06	21-7	0821	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(AB)
X06	23-7	1047	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RXR)
X06	24-7	0931	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Moon)
X06	27-7	0810	14550	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RXR)
X06b	4-7	1500	14933	Tue	111666	MFSK-6	(HFD)
X06b	5-7	0721	11250	Wed	111666	MFSK-6	(Lac)
X06b	21-7	0714	13981	Fri	111666	MFSK-6	(Lac)
X06b	21-7	0716	14981	Fri	111666	MFSK-6	(Lac)
X06b	28-7	0640	13427	Fri	MFA Moscow clg 341265: unid embassy	MFSK-6	(VSh)
XPA1	5-7	1210	13368	Wed	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB/RL-HOL/HFD)
XPA1	5-7	1230	12168	Wed	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB/RL-HOL/HFD)
XPA1	5-7	1250	11168	Wed	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB/RL-HOL/HFD)
XPA1	7-7	1210	13368	Fri	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB)
XPA1	7-7	1230	12168	Fri	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB)
XPA1	7-7	1250	11168	Fri	311 311 311 1 00235 00115 01085 ... 67386 62585 75257	MFSk-20/10Bd	(AB)
XPA1	12-7	1210	13368	Wed	311 311 311 000 08608 00001 00000 40260	MFSk-20/10Bd	(AB)
XPA1	12-7	1230	12168	Wed	311 311 311 000 08608 00001 00000 40260	MFSk-20/10Bd	(AB)
XPA1	12-7	1250	11168	Wed	311 311 311 000 08608 00001 00000 40260	MFSk-20/10Bd	(AB)
XPA1	14-7	1210	13368	Fri	311 311 311 000 08546 00001 00000 36664	MFSk-20/10Bd	(AB)
XPA1	14-7	1230	12168	Fri	311 311 311 000 08546 00001 00000 36664	MFSk-20/10Bd	(AB)
XPA1	14-7	1250	11168	Fri	311 311 311 000 08546 00001 00000 36664	MFSk-20/10Bd	(AB)
XPA1	19-7	1210	13368	Wed	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB)
XPA1	19-7	1230	12168	Wed	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB)
XPA1	19-7	1250	11168	Wed	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB)
XPA1	21-7	1210	13368	Fri	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB/MPJ)
XPA1	21-7	1230	12168	Fri	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB/MPJ)
XPA1	21-7	1250	11168	Fri	311 311 311 1 01356 00110 18187 ... 85914 55202 63616	MFSk-20/10Bd	(AB/MPJ)
XPA1	26-7	1210	13368	Wed	311 311 311 000 09663 00001 00000 35667	MFSk-20/10Bd	(AB)
XPA1	26-7	1230	12168	Wed	311 311 311 000 09663 00001 00000 35667	MFSk-20/10Bd	(AB)
XPA1	26-7	1250	11168	Wed	311 311 311 000 09663 00001 00000 35667	MFSk-20/10Bd	(AB)
XPA1	28-7	1210	13368	Fri		MFSk-20/10Bd	(AB/MPJ)
XPA1	28-7	1230	12168	Fri	311 311 311 000 02226 00001 00000 35254	MFSk-20/10Bd	(AB/MPJ)
XPA1	28-7	1250	11168	Fri	311 311 311 000 02226 00001 00000 35254	MFSk-20/10Bd	(AB/MPJ)
XPA2	1-7	0910	13445	Sat	One tone, then off	MFSK-16/20Bd	(AB)
XPA2	1-7	0930	12145	Sat	00212 00125 40771 ... 99121 24068 74134	MFSK-16/20Bd	(AB/HFD)
XPA2	1-7	0950	11545	Sat	00212 00125 40771 ... 99121 24068 74134	MFSK-16/20Bd	(AB/HFD)
XPA2	1-7	1500	13954	Sat	01993 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-7	1520	12154	Sat	01993 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-7	1540	11454	Sat	01993 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-7	0800	13391	Sun	02718 00001 00000 40653	MFSK-16/20Bd	(AB/HFD)

XPA2	2-7	0820	13891	Sun	02718 00001 00000 40653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	0840	14891	Sun	02718 00001 00000 40653	MFSK-16/20Bd	(AB/HFD)
XPA2	2-7	2100	13394	Sun	04063 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	2-7	2120	12194	Sun	04063 00001 00000 32662	MFSK-16/20Bd	(AB)
XPA2	2-7	2140	10794	Sun	04063 00001 00000 32662	MFSK-16/20Bd	(AB/RL)
XPA2	3-7	0700	12148	Mon	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	3-7	0720	13448	Mon	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	3-7	0740	13948	Mon	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	3-7	0910	16296	Mon	06412 00001 00000 34257	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	0930	14981	Mon	06412 00001 00000 34257	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	0950	13953	Mon	06412 00001 00000 34257	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1500	13954	Mon	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1520	12154	Mon	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB/HFD)
XPA2	3-7	1540	11454	Mon	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	0500	10243	Tue	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	0520	11143	Tue	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	0540	12143	Tue	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1100	14958	Tue	06132 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1120	13958	Tue	06132 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1140	12158	Tue	06132 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1600	13538	Tue	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1620	14438	Tue	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	1640	14938	Tue	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/HFD)
XPA2	4-7	2100	13394	Tue	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	4-7	2120	12194	Tue	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	4-7	2140	10794	Tue	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	5-7	0700	12148	Wed	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	5-7	0720	13448	Wed	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	5-7	0740	13948	Wed	00275 00110 39161 ... 51109 28633 40102	MFSK-16/20Bd	(AB)
XPA2	5-7	0910	16296	Wed	01147 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	5-7	0930	14981	Wed	01147 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	5-7	0950	13953	Wed	01147 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	5-7	1100	17435	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	5-7	1120	16235	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	5-7	1140	14935	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	5-7	1800	17474	Wed	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	5-7	1820	16274	Wed	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	5-7	1840	14574	Wed	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	6-7	0500	10243	Thu	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB)
XPA2	6-7	0520	11143	Thu	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB)
XPA2	6-7	0540	12143	Thu	09613 00073 04903 ... 23430 77784 32531	MFSK-16/20Bd	(AB)
XPA2	6-7	0910	13445	Thu	01346 00001 00000 35655	MFSK-16/20Bd	(AB)

XPA2	6-7	0930	12145	Thu	01346 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	6-7	0950	11545	Thu	01346 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	6-7	1100	17435	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ/RL-HOL/HFD)
XPA2	6-7	1120	16235	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ/RL-HOL/HFD)
XPA2	6-7	1140	14935	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ/RL-HOL/HFD)
XPA2	6-7	1600	13538	Thu	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-7	1620	14438	Thu	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-7	1640	14938	Thu	06791 00198 35601 ... 69800 94413 53042	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-7	0800	13391	Fri	04896 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	7-7	0820	13891	Fri	04896 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	7-7	0840	14891	Fri	04896 00001 00000 40265	MFSK-16/20Bd	(AB)
XPA2	7-7	1100	14958	Fri	02643 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-7	1120	13958	Fri	02643 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-7	1140	12158	Fri	02643 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-7	1800	17474	Fri	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB)
XPA2	7-7	1820	16274	Fri	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB)
XPA2	7-7	1840	14574	Fri	07316 00225 35059 ... 11826 47295 11637	MFSK-16/20Bd	(AB)
XPA2	8-7	0910	13445	Sat	09596 00001 00000 36672	MFSK-16/20Bd	(AB)
XPA2	8-7	0930	12145	Sat	09596 00001 00000 36672	MFSK-16/20Bd	(AB)
XPA2	8-7	0950	11545	Sat	09596 00001 00000 36672	MFSK-16/20Bd	(AB)
XPA2	8-7	1500	13954	Sat	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB)
XPA2	8-7	1520	12154	Sat	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB)
XPA2	8-7	1540	11454	Sat	00165 00198 62210 ... 10573 75418 36470	MFSK-16/20Bd	(AB)
XPA2	9-7	0800	13391	Sun	05206 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	9-7	0820	13891	Sun	05206 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	9-7	0840	14891	Sun	05206 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	9-7	2100	13394	Sun	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	9-7	2120	12194	Sun	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	9-7	2140	10794	Sun	07450 00064 95237 ... 79384 74043 04360	MFSK-16/20Bd	(AB)
XPA2	10-7	0700	12148	Mon	08200 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	10-7	0720	13448	Mon	08200 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	10-7	0740	13948	Mon	08200 00001 00000 32260	MFSK-16/20Bd	(AB)
XPA2	10-7	0910	16296	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	10-7	0930	14981	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	10-7	0950	13953	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	10-7	1500	13954	Mon	08609 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	10-7	1520	12154	Mon	08609 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	10-7	1540	11454	Mon	08609 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	11-7	0500	10243	Tue	05759 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	11-7	0520	11143	Tue	05759 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	11-7	0540	12143	Tue	05759 00001 00000 41262	MFSK-16/20Bd	(AB)
XPA2	11-7	1100	14958	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)

XPA2	11-7	1120	13958	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)
XPA2	11-7	1140	12158	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)
XPA2	11-7	1600	13538	Tue	05078 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	11-7	1620	14438	Tue	05078 00001 00000 35264	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11-7	1640	14938	Tue	05078 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	11-7	2100	13394	Tue	09384 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	11-7	2120	12194	Tue	09384 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	11-7	2140	10794	Tue	09384 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	12-7	0700	12148	Wed	08694 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	12-7	0720	13448	Wed	08694 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	12-7	0740	13948	Wed	08694 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	12-7	0910	16296	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	12-7	0930	14981	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	12-7	0950	13953	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	12-7	1100	17435	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	12-7	1120	16235	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	12-7	1140	14935	Wed	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB)
XPA2	12-7	1800	17474	Wed	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB)
XPA2	12-7	1820	16274	Wed	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB)
XPA2	12-7	1840	14574	Wed	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB)
XPA2	13-7	0500	10243	Thu	04531 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	13-7	0520	11143	Thu	04531 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	13-7	0540	12143	Thu	04531 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	13-7	0910	13445	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	13-7	0930	12145	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	13-7	0950	11545	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	13-7	1100	17435	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ-AUT)
XPA2	13-7	1120	16235	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ-AUT)
XPA2	13-7	1140	14935	Thu	02095 00115 43360 ... 24273 66186 55033	MFSK-16/20Bd	(AB/MPJ-AUT)
XPA2	13-7	1600	13538	Thu	05346 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	13-7	1620	14438	Thu	05346 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	13-7	1640	14938	Thu	05346 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	14-7	0800	13391	Fri	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	14-7	0820	13891	Fri	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	14-7	0840	14891	Fri	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	14-7	1100	14958	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-7	1120	13958	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-7	1140	12158	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-7	1800	17474	Fri	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB/HFD)
XPA2	14-7	1820	16274	Fri	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB/HFD)
XPA2	14-7	1840	14574	Fri	06674 00080 56141 ... 63962 23111 35435	MFSK-16/20Bd	(AB/HFD)
XPA2	15-7	0910	13445	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)

XPA2	15-7	0930	12145	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	15-7	0950	11545	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	15-7	1500	13954	Sat	06886 00001 00000 40266	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-7	1520	12154	Sat	06886 00001 00000 40266	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-7	1540	11454	Sat	06886 00001 00000 40266	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-7	0800	13391	Sun	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	16-7	0820	13891	Sun	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	16-7	0840	14891	Sun	00322 00159 99956 ... 27417 92608 51300	MFSK-16/20Bd	(AB)
XPA2	16-7	2100	13394	Sun	03172 00001 00000 32662	MFSK-16/20Bd	(AB/HFD)
XPA2	16-7	2120	12194	Sun	03172 00001 00000 32662	MFSK-16/20Bd	(AB/HFD)
XPA2	16-7	2140	10794	Sun	03172 00001 00000 32662	MFSK-16/20Bd	(AB/HFD)
XPA2	17-7	0700	12148	Mon	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	17-7	0720	13448	Mon	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	17-7	0740	13948	Mon	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	17-7	0910	16296	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	17-7	0930	14981	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	17-7	0950	13953	Mon	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	17-7	1500	13954	Mon	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB)
XPA2	17-7	1520	12154	Mon	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB)
XPA2	17-7	1540	11454	Mon	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB)
XPA2	18-7	0500	10243	Tue	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	18-7	0520	11143	Tue	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	18-7	0540	12143	Tue	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	18-7	1100	14958	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)
XPA2	18-7	1120	13958	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)
XPA2	18-7	1140	12158	Tue	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB)
XPA2	18-7	1600	13538	Tue	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	18-7	1620	14438	Tue	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	18-7	1640	14938	Tue	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	18-7	2100	13394	Tue	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	18-7	2120	12194	Tue	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	18-7	2140	10794	Tue	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	19-7	0700	12148	Wed	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	19-7	0720	13448	Wed	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	19-7	0740	13948	Wed	00423 00120 80903 ... 72475 75857 77277	MFSK-16/20Bd	(AB)
XPA2	19-7	0810	10643	Wed	00854 01229 30003 ... 26669 23960 42623	MFSK-16/20Bd	(Pof)
XPA2	19-7	0830	11431	Wed	00854 01229 30003 ... 26669 23960 42623	MFSK-16/20Bd	(AB/VSh)
XPA2	19-7	0850	12158	Wed	00854 01229 30003 ... 26669 23960 42623	MFSK-16/20Bd	(AB)
XPA2	19-7	0910	16296	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	19-7	0915	10643	Wed	00180 01222 41817 ... 19420 26383 76644	MFSK-16/20Bd	(AB/VSh)
XPA2	19-7	0930	14981	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	19-7	0940	12158	Wed	Message	MFSK-16/20Bd	(PY)



XPA2	19-7	0950	13953	Wed	02254 00025 61279 ... 79330 78885 71660	MFSK-16/20Bd	(AB)
XPA2	19-7	1005	11431	Wed	Message	MFSK-16/20Bd	(PY)
XPA2	19-7	1100	17435	Wed	03903 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	19-7	1120	16235	Wed	03903 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	19-7	1140	14935	Wed	03903 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	19-7	1800	17474	Wed	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	19-7	1820	16274	Wed	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	19-7	1840	14574	Wed	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	20-7	0500	10243	Thu	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	20-7	0520	11143	Thu	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	20-7	0540	12143	Thu	02198 00091 36984 ... 67806 79042 32605	MFSK-16/20Bd	(AB)
XPA2	20-7	0910	13445	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	20-7	0930	12145	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	20-7	0950	11545	Thu	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	20-7	1100	17435	Thu	06685 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	20-7	1120	16235	Thu	06685 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	20-7	1140	14935	Thu	06685 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	20-7	1600	13538	Thu	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	20-7	1620	14438	Thu	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	20-7	1640	14938	Thu	00475 00204 32626 ... 03294 90378 54125	MFSK-16/20Bd	(AB)
XPA2	21-7	0800	13391	Fri	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	21-7	0820	13891	Fri	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	21-7	0840	14891	Fri	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	21-7	1100	14958	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	21-7	1120	13958	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	21-7	1140	12158	Fri	00467 00191 00257 ... 48574 35185 25413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	21-7	1800	17474	Fri	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	21-7	1820	16274	Fri	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	21-7	1840	14574	Fri	00616 00180 62864 ... 96108 91060 63751	MFSK-16/20Bd	(AB)
XPA2	22-7	0910	13445	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	22-7	0930	12145	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	22-7	0950	11545	Sat	00164 00025 54488 ... 40951 68741 20702	MFSK-16/20Bd	(AB)
XPA2	22-7	1500	13954	Sat	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-7	1520	12154	Sat	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-7	1540	11454	Sat	01417 00243 35145 ... 84902 44149 35603	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-7	0800	13391	Sun	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	23-7	0820	13891	Sun	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	23-7	0840	14891	Sun	00466 00117 82836 ... 26805 69347 56147	MFSK-16/20Bd	(AB)
XPA2	23-7	2100	13394	Sun	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	23-7	2120	12194	Sun	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	23-7	2140	10794	Sun	00157 00088 84072 ... 49071 59901 43463	MFSK-16/20Bd	(AB)
XPA2	24-7	0700	12148	Mon	02985 00001 00000 40262	MFSK-16/20Bd	(AB)

XPA2	24-7	0720	13448	Mon	02985 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	24-7	0740	13948	Mon	02985 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	24-7	0910	16296	Mon	05338 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	24-7	0930	14981	Mon	05338 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	24-7	0950	13953	Mon	05338 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	24-7	1500	13954	Mon	02259 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-7	1520	12154	Mon	02259 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-7	1540	11454	Mon	02259 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-7	0500	10243	Tue	09321 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	25-7	0520	11143	Tue	09321 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	25-7	0540	12143	Tue	09321 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	25-7	1100	14958	Tue	08617 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-7	1120	13958	Tue	08617 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-7	1140	12158	Tue	08617 00001 00000 37661	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-7	1600	13538	Tue	02814 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	25-7	1620	14438	Tue	02814 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	25-7	1640	14938	Tue	02814 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	25-7	2100	13394	Tue	08636 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	25-7	2120	12194	Tue	08636 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	25-7	2140	10794	Tue	08636 00001 00000 37263	MFSK-16/20Bd	(AB)
XPA2	26-7	0700	12148	Wed	07993 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	26-7	0720	13448	Wed	07993 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	26-7	0740	13948	Wed	07993 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	26-7	0800	10427	Wed	Message	MFSK-16/20Bd	(Pof)
XPA2	26-7	0820	12153	Wed	Message	MFSK-16/20Bd	(Pof)
XPA2	26-7	0910	16296	Wed	09072 00001 00000 22270	MFSK-16/20Bd	(AB)
XPA2	26-7	0930	14981	Wed	09072 00001 00000 22270	MFSK-16/20Bd	(AB)
XPA2	26-7	0950	13953	Wed	09072 00001 00000 22270	MFSK-16/20Bd	(AB)
XPA2	26-7	1100	17435	Wed	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)
XPA2	26-7	1120	16235	Wed	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)
XPA2	26-7	1140	14935	Wed	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)
XPA2	26-7	1800	17474	Wed	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB)
XPA2	26-7	1820	16274	Wed	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB)
XPA2	26-7	1840	14574	Wed	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB/RL)
XPA2	27-7	0500	10243	Thu	02893 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	27-7	0520	11143	Thu	02893 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	27-7	0540	12143	Thu	02893 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	27-7	0910	13445	Thu	05334 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	27-7	0930	12145	Thu	05334 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	27-7	0950	11545	Thu	05334 00001 00000 34660	MFSK-16/20Bd	(AB)
XPA2	27-7	1100	17435	Thu	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)
XPA2	27-7	1120	16235	Thu	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)

XPA2	27-7	1140	14935	Thu	06695 00098 92892 ... 82289 83886 17602	MFSK-16/20Bd	(AB)
XPA2	27-7	1600	13538	Thu	07359 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	27-7	1620	14438	Thu	07359 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	27-7	1640	14938	Thu	07359 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	28-7	0800	13391	Fri	04893 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	28-7	0820	13891	Fri	04893 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	28-7	0840	14891	Fri	04893 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	28-7	1100	14958	Fri	04615 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	28-7	1120	13958	Fri	04615 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	28-7	1140	12158	Fri	04615 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	28-7	1800	17474	Fri	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB/RL)
XPA2	28-7	1820	16274	Fri	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB/RL)
XPA2	28-7	1840	14574	Fri	00699 00093 02698 ... 48615 77310 15664	MFSK-16/20Bd	(AB/RL)
XPA2	29-7	0910	13445	Sat	05583 00001 00000 35164	MFSK-16/20Bd	(AB)
XPA2	29-7	0930	12145	Sat	05583 00001 00000 35164	MFSK-16/20Bd	(AB)
XPA2	29-7	0950	11545	Sat	05583 00001 00000 35164	MFSK-16/20Bd	(AB)
XPA2	29-7	1500	13954	Sat	06523 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	29-7	1520	12154	Sat	06523 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	29-7	1540	11454	Sat	06523 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	30-7	0800	13391	Sun	02965 00001 00000 40260	MFSK-16/20Bd	(AB)
XPA2	30-7	0820	13891	Sun	02965 00001 00000 40260	MFSK-16/20Bd	(AB)
XPA2	30-7	0840	14891	Sun	02965 00001 00000 40260	MFSK-16/20Bd	(AB)
XPA2	30-7	2100	13394	Sun	07411 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	30-7	2120	12194	Sun	07411 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	30-7	2140	10794	Sun	07411 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	31-7	0700	12148	Mon	04889 00001 00000 41664	MFSK-16/20Bd	(AB)
XPA2	31-7	0720	13448	Mon	04889 00001 00000 41664	MFSK-16/20Bd	(AB)
XPA2	31-7	0740	13948	Mon	04889 00001 00000 41664	MFSK-16/20Bd	(AB)
XPA2	31-7	0910	16296	Mon	05284 00114 65011 ... 39533 93133 43604	MFSK-16/20Bd	(AB)
XPA2	31-7	0930	14981	Mon	05284 00114 65011 ... 39533 93133 43604	MFSK-16/20Bd	(AB)
XPA2	31-7	0950	13953	Mon	05284 00114 65011 ... 39533 93133 43604	MFSK-16/20Bd	(AB)
XPA2	31-7	1500	13954	Mon	02114 00255 71431 ... 27706 75162 76050	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-7	1520	12154	Mon	02114 00255 71431 ... 27706 75162 76050	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-7	1540	11454	Mon	02114 00255 71431 ... 27706 75162 76050	MFSK-16/20Bd	(AB/MPJ)
XPB1	1-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	1-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1130	11584	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1150	10584	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1200	15876	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1210	17876	Sat	Russian intel.	MFSK-16	(AB/HFD)



XPB1	1-7	1220	14376	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1230	13976	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1240	13376	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	1-7	1250	12176	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0500	11168	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0510	11468	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0520	12168	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0530	13368	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0540	13969	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	0550	14569	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-7	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	3-7	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0500	11168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0510	11468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0520	12168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0530	13368	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0540	13969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	0550	14569	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1100	13884	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1110	13384	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1120	12184	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1130	11584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1140	11084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-7	1150	10584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)

XPB1	8-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1130	11584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1150	10584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1210	17876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-7	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0500	11168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0510	11468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0520	12168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0530	13368	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0540	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	0550	14569	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-7	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0500	11168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0510	11468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0520	12168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0530	13368	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0540	13969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	0550	14569	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB/RL-HOL)
XPB1	11-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB/RL-HOL)
XPB1	11-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB/RL-HOL)
XPB1	11-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB/RL-HOL)
XPB1	11-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB/RL-HOL)
XPB1	12-7	1100	13884	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1110	13384	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1120	12184	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1130	11584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1140	11084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-7	1150	10584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)

XPB1	14-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1130	11584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1150	10584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1210	17876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-7	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0500	11168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0510	11468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0520	12168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0530	13368	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0540	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	0550	14569	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-7	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0500	11168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0510	11468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0520	12168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0530	13368	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0540	13969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	0550	14569	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1100	13884	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1110	13384	Wed	Russian intel.	MFSK-16	(AB)

XPB1	19-7	1120	12184	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1130	11584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1140	11084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-7	1150	10584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	21-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	21-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	21-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	21-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	21-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	22-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	22-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1130	11584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1150	10584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1210	17876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-7	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0500	11168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0510	11468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0520	12168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0530	13368	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0540	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	0550	14569	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-7	1250	12176	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0500	11168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0510	11468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0520	12168	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0530	13368	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0540	13969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	0550	14569	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1300	20024	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1310	19224	Tue	Russian intel.	MFSK-16	(AB)

XPB1	25-7	1320	18324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1330	17424	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1340	16324	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-7	1350	15824	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1100	13884	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1110	13384	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1120	12184	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1130	11584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1140	11084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-7	1150	10584	Wed	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1300	20024	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1310	19224	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1320	18324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1330	17424	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1340	16324	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-7	1350	15824	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1100	13884	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1110	13384	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1120	12184	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1130	11584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1140	11084	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1150	10584	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1200	15876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1210	17876	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1220	14376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1230	13976	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1240	13376	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-7	1250	12176	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0500	11168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0510	11468	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0520	12168	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0530	13368	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0540	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	0550	14569	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1200	15876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1210	14876	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1220	14376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1230	13976	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1240	13376	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-7	1250	12176	Mon	Russian intel.	MFSK-16	(AB)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-FIN	Ary Boender via remote rx Finland
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-TWN	Ary Boender via remote rx Taiwan
BR	Brian Rogers, UK
Dan	Daniel LU5EMM, Argentina
DE2TRF	DE2TRF Torsten Rhode, D
F5OIH	Vincent Lecler, France
FD	Full Day Waterfall, University Twente SDR
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-KWT	Hans-Friedrich Dumrese via remote rx Kuwait
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
Lac	Lazycrypt
linkz	Linkz, S.E. France
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-HNG	Jim via remote rx Hungary
MPJ-HOL	Jim via remote rx Netherlands
Pof	Pofista1_975 via Priyom
PP1	Patrice Privat, France
Priyom	Priyom.org
PY	Pierre Ynard, France and via remote rx
qsr711	QSR711
RL	Roberto Landolpho, Brazil
RL-HOL	Roberto Landolpho via remote rx Netherlands
RO	Rando One, Sweden
RXR	Romeo X-Ray 39
SOB	Stig Ombord
Subilo	Subilo
T101	RadiotehnikaT101 via Priyom
Tel	Teletubby via Priyom
VSh	V. Shortwaver
XAH	Xaver Andreas Hellmeier, Germany

# APPENDIX

## Designators of active stations

### Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

### Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russia	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

### Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM10	Morse	?	

### Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK	China	M95, Q26, V26
X06	MFSK-6	Russia	
XPA1	MFSK-20	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1

### Figures and words used by the various numbers stations

#### Cut numbers

Chinese cut numbers (M89, M95, MC03, etc)      A U 3 4 5 6 7 D N T  
 1 2 3 4 5 6 7 8 9 0

M08a cut numbers                      A N D U W R I G M T  
 1 2 3 4 5 6 7 8 9 0

Q26 conversion                         F J B P G U Y M C W  
 0 1 2 3 4 5 6 7 8 9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	.....	Năm	Fav	Pietiorka	Funuf	Fiver
6	— .....	Sáu	Six	Szest	Sechs	Six
7	— — .....	Ba y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— .....					
/	— .....					



## Morse characters

A	. -	1	. - - - -	Full stop (period)	[ . ]	. - . - . -
B	- . . .	2	. . - - -	Comma	[ , ]	- . . . - -
C	- . . .	3	. . . - -	Colon	[ : ]	- - - . . .
D	- . .	4	. . . . -	Question mark	[ ? ]	. . - - . .
E	.	5	. . . . .	Exclamation mark	[ ! ]	- . - . - -
F	. . - .	6	- . . . .	Apostrophe	[ ' ]	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[ - ]	- . . . . -
H	. . . .	8	- - - . .	Slash	[ / ]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[ ( ]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[ ) ]	- . - - - .
K	- . -			Quotation marks	[ " " ]	. - . . - .
L	. - . .			Equals sign	[ = ]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[ + ]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[ AS ]	. - . . .
Q	- - - .	É	. . - . .	End of Transmission	[ SK, VA ]	. . . - . -
R	. - .	Ö	- - - .	End of message	[ AR ]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . - . -
T	-			Multiplication sign	[ × ]	- . . -
U	. . -			At sign	[ @ ]	. - - . - .
V	. . . -			Break	[ BK ]	- . . . - . -
W	. - -			Ampersand	[ & ]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also  
<http://udxf.nl/Morse-document.pdf>  
<http://udxf.nl/Russian.pdf>

## E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

### FSK transmissions

F03	Undefined FSK
F03a	FSK-2 100Bd/200Hz/cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

### PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

### Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

# COLOPHON

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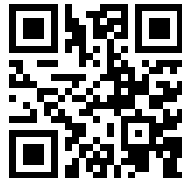
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  - HF UNDERGROUND <http://www.hfunderground.com/board/>
  - PRIYOM <http://priyom.org/>
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676 27364 92866 89428 61288 74982 36498 32764 81276 81  
986 48932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 76  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 11  
791 87364 87265 96718 27638 12673 84769 28743 98127 7  
8 63298 75698 27465 87326 49876 28376 81273 98615 86  
67 87432 74328 78674 29867 32867 67867 86786 43276 498  
67 68768 68763 34234 34238 68768 62342 48273 48768 234  
986 98432 32432 86743 43286 43286 43286 43286 43286 43286  
743 85743 86743 39867 32867 86743 43286 43286 43243 86  
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