

27364	92836	89428	81268	74982	46498	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	58765	58765	58765	58765

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #305, February 2023

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

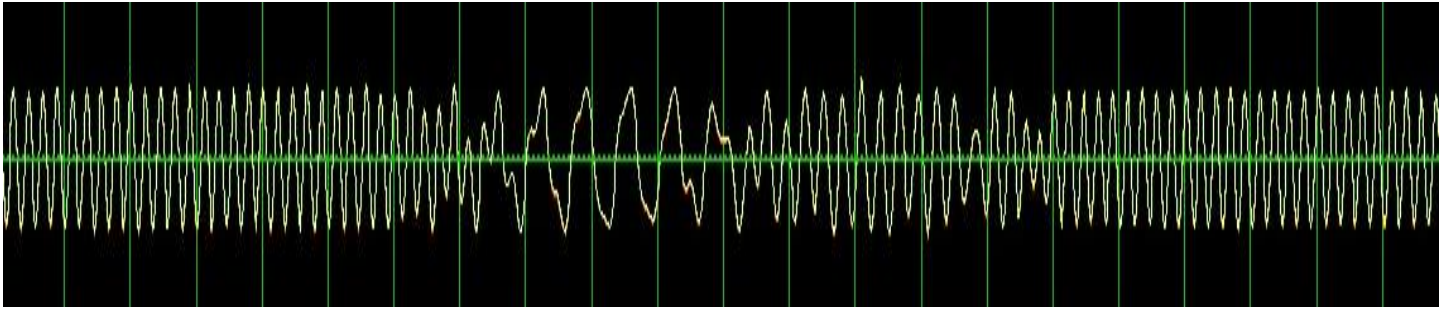
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

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



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## FOREWORD

Welcome to yet another edition of Number & Oddities.

It was not a very exciting month in numbers land but the Russians had a nice surprise. They used a new mode for a couple of days, consisting of FSK 200/1000 + two MFSK-7 variants. Russian operator 6 transmitted several test messages, including a G06 message.

Thanks to all contributors, especially PY and Subilo for the logs and recordings.

Enjoy!

## VOICE STATIONS

### E06

**20085 kHz, 02-02, 0700 UTC**

**17470/20085 kHz, 03-02, 0600/0700 UTC**

702 436 58

71337 23473 24657 90652 33735 03250 89347 77423 55560 09179  
87672 35780 97697 55126 11200 09767 86393 77482 42639 91718  
52245 48830 17923 01406 69666 94047 00490 26214 01539 32301  
84965 08297 78717 93341 72429 89635 69100 81563 84438 50953  
15920 86253 08026 05405 49972 61465 88824 33000 05454 23964  
14543 66677 94105 42672 55940 65980 17334 12906  
436 58 00000

**17470/20085 kHz, 16-02, 0600/0700 UTC**

**17475/20085 kHz, 17-02, 0600/0700 UTC**

702 698 53

56095 17187 68206 85139 74001 39563 99686 17383 93706 51888  
37264 19696 50761 31317 38661 15444 10708 24079 02686 11911  
51244 00091 61011 52999 94496 58044 22420 34143 50325 85687  
92901 96611 56596 04955 20094 43398 27376 56654 35454 43878  
44961 04392 92634 19420 56699 62423 25488 27147 62533 77116  
74130 84023 04204  
698 53 00000

**8116/5410 kHz, 04-02, 1300/1330 UTC**

**10423/8167 kHz, 05-02, 0930/1000 UTC**

480 625 41

27894 00991 22483 40842 87266 07508 19628 63724 25603 06734  
36908 35835 31904 81080 18356 82599 11525 06955 15669 60998  
34394 32536 28093 25141 87174 96541 11914 62207 86428 28445  
95628 94444 54398 25550 19913 65944 62410 49307 34365 62450  
30569  
625 41 00000

**8116/5410 kHz, 11-02, 1300/1330 UTC**

**10423/8167 kHz, 12-02, 0930/1000 UTC**

480 675 41

77479 03752 62892 95901 70394 16432 54239 60685 45440 93446  
16337 82115 50637 57420 10276 03243 48730 41612 13848 73415  
55663 25581 77890 31175 47907 42842 41314 59321 99407 13073  
89496 01428 13748 38932 10878 44775 21892 07355 01994 73310  
61447  
675 41 00000

**8116/5410 kHz, 18-02, 1300/1330 UTC**  
**10423/8167 kHz, 19-02, 0930/1000 UTC**

480 165 44  
64950 21574 35374 12960 46909 92803 54055 87610 92227 73252  
26084 47466 34377 10233 10401 79513 57755 49501 13643 28472  
84385 02233 32666 02585 01921 66086 88729 54680 04965 79335  
25984 41166 70541 92449 13303 85017 16590 36384 51092 13958  
72436 47109 34818 96901  
165 44 00000

**8116/5410 kHz, 25-02, 1300/1330 UTC**  
**10423/8167 kHz, 26-02, 0930/1000 UTC**

480 156 44  
52066 01630 66200 57401 84853 00773 88198 03406 11905 45671  
09335 66502 84676 22763 63948 35769 95824 79412 98651 94441  
68080 27822 77305 23843 95883 08867 73626 67677 92924 75241  
15470 32175 64478 75710 14096 73995 85328 87650 23576 55716  
55206 60429 13963 73321  
156 44 00000

Group Count Cycle net
-----------------------

**15683/13373 kHz, 02-02/03-02, 0300/0400 UTC**

361 975 42  
18861 48795 72142 69185 40642 77588 27951 69459 58214 96755  
31766 85761 12502 65182 24382 28889 66549 18385 59818 26133  
17823 23751 50278 89851 59826 82362 44024 50593 66467 44594  
72101 34458 97618 31662 24845 89386 49308 80321 44110 90061  
96973 52894  
975 42 00000

**09-02/10-02: No transmissions**

**15683/13373 kHz, 16-02/17-02, 0300/0400 UTC**

361 208 44  
63026 29273 21381 67691 59932 08905 39094 74242 83687 88046  
63503 74059 43011 42798 12582 19382 85995 23060 58071 55134  
43283 87195 92546 22966 92049 40696 16489 65401 20481 77290  
37576 91018 97412 45927 99361 86599 76849 92081 81535 87192  
92017 46808 38957 40023  
208 44 00000

**23-02/24-02. No transmissions due to Defender of the Fatherland holiday**

**10628/14364 kHz, 06-02/07-02, 0210/0310 UTC (07-02, 0210z not monitored)**

537 186 47  
23735 60428 70470 30931 96318 22902 00061 62170 54804 55979  
14687 11478 32119 45946 29052 43744 84625 09168 72711 20394  
62678 88592 91335 99447 79701 42928 11356 52489 65754 58187  
16421 40706 16498 36277 09111 17203 73508 40332 56338 47774  
96880 01469 41884 67316 16053 16655 74496  
186 47 00000

**10628/14364 kHz, 13-02/14-02, 0210/0310 UTC**

537 290 48  
68614 13895 43395 99661 16268 57794 93695 18359 11638 73674  
16178 85936 24084 02345 59986 48577 61836 46553 21848 79841  
17279 66149 65627 97164 43190 28025 15797 47984 77124 96781  
54528 13933 56127 77062 77080 06537 88974 43476 85176 52850  
07662 16614 87648 40533 50173 32798 84652 95709  
290 48 00000

**10628/14364 kHz, 20-02/21-02, 0210/0310 UTC**

537 681 49  
46541 66336 17582 20248 16166 85786 94415 17074 37331 45432  
04991 47999 63746 44158 70469 27495 86102 02110 99946 17913  
75509 46573 63617 14047 00055 63579 94550 70767 56717 26175  
73765 47150 85783 35279 78298 65559 59978 34085 96941 09097  
65490 81929 43351 05875 17078 98576 21198 73541 74444  
681 49 00000

**10628/14364 kHz, 27-02/28-02, 0210/0310 UTC**

537 249 50  
99527 11032 82881 95807 64118 25469 63165 91145 77479 11081  
62492 30340 17419 86368 95703 74303 96971 33874 37299 79481  
93158 87695 77767 73305 93022 07435 12066 90299 42888 68252  
08655 11014 11789 21730 32533 70976 04981 07210 20728 31857  
88498 18322 33652 32020 10685 54369 30780 58663 31624 11262  
249 50 00000

**E07**

**13368/12168/11168 kHz, 1410/1430/1450 UTC**

**13368/12168/11168 kHz, 02-02/04-02, 1410/1430/1450 UTC**

745 745 745 1 121 68 121 68  
17080 80006 54787 20999 61386 96269 12732 94334 23139 05867  
91639 68817 26079 04025 57122 50656 90409 72309 24262 61450  
98790 93830 78749 64662 24082 96357 61861 41347 05177 63498  
94491 47100 16496 95220 44039 94416 77586 91080 44804 59380  
34369 46455 57799 21567 61154 67577 90361 74689 93888 75777  
17574 12930 13643 36264 59507 53741 93660 28970 91108 68126  
81023 07431 46671 25943 81495 29332 41775 73972 000 000

**13368/12168/11168 kHz, 16-02/18-02, 1410/1430/1450 UTC**

745 745 745 1 7749 82 7749 82  
47385 05153 75675 40003 55628 46329 50154 58432 70081 63345  
06233 93177 61691 48174 54497 47735 86747 92388 61768 48826  
28875 08728 70537 73167 82092 01659 29170 93378 11641 19626  
27991 47180 06169 09089 55137 35429 92509 78109 64512 81604  
28146 98413 51326 63538 62435 40691 03659 86344 07292 85502  
95378 80341 87626 95042 93826 71699 27322 37841 69304 73320  
79723 69414 12364 66716 05822 82550 34629 50663 72372 68023  
04855 04246 63914 65178 35172 87159 37766 47543 20374 74479  
37480 44890 000 000

**15858/14458/12158 kHz, 1500/1530/1540 UTC**

**15858/14458/12158 kHz, 07-02/10-02, 1500/1530/1540 UTC**

**15858 kHz, 10-02, 1500 UTC. Off after group 101**

**14458 kHz, 10-02, 1520 UTC. Off during the callup**

841 841 841 1 7207 115 7207 115  
91092 96663 67317 03287 24136 51556 74225 47217 50562 20486  
22055 28737 52854 96276 46497 68302 74226 04718 53907 79731  
71389 64373 53564 85727 29947 04160 51679 38700 72621 46629  
71726 80879 88583 51028 23099 73810 76209 20182 70184 49920  
08748 72942 24255 29964 55508 20427 53350 00337 99179 49200  
11065 53040 14354 91770 47203 39940 06813 49094 75395 64083  
68531 94473 31212 64292 36252 71305 60477 52936 97471 69667  
36671 36357 66930 42176 77746 02173 02784 44262 58007 61327  
92120 03301 00216 85370 38272 19605 39389 52295 10990 29712  
31210 73695 72003 46197 69959 79508 53247 75491 94014 95764  
19346 26540 69870 30459 63943 50348 75101 24735 39925 50692  
79099 04335 48896 78416 67160 000 000

**15858/14458/12158 kHz, 21-02/24-02, 1500/1530/1540 UTC**

841 841 841 1 183 90 183 90  
62806 71009 52979 70407 14470 84114 46501 88729 25366 65658  
20096 99374 29370 77533 79244 74569 08323 18181 94597 58647  
62857 13533 67821 93999 88552 04913 96706 67633 25020 30728  
45648 95786 81896 18625 29750 16655 55217 23904 77861 07555  
76893 98271 53557 01530 20060 88974 36400 60159 59400 06054  
43259 89912 14508 33315 85703 27343 99712 58372 80726 95880  
70375 44340 47777 40667 92275 99664 64531 78129 44245 40590  
07871 52283 81963 33878 68952 86092 20502 70280 34569 34446  
42475 24887 35273 36013 12661 87056 55472 56272 78425 00802  
000 000

## ***E11a***

**17378 kHz, 01-02, 0745 UTC**

342/35 Attention  
10825 09598 53717 67163 69211 15525 25904 51534 42717 56625  
88664 51789 08588 79874 95334 75712 97295 07227 99961 87992  
97463 40120 03448 70327 25695 82278 09767 13420 67073 13627  
51673 95257 86891 93754 96149  
Attention (message repeated) Out

**4505 kHz, 01-02/04-02, 1910 UTC**

394/34 Attention  
42125 09836 29991 99429 21793 73102 63830 48929 53044 04900  
36182 80764 51571 73641 08565 76165 78012 90175 15529 98058  
49988 24820 01550 47167 61307 36193 27253 83008 68933 56270  
10292 61129 99284 19558  
Attention (message repeated) Out

**5082 kHz, 02-02/05-02, 2000 UTC**

527/39 Attention  
15934 07772 89075 99022 63708 23239 46055 09501 31434 42569  
81809 58204 90145 27314 69287 93985 03758 86582 75712 01806  
15016 62165 75506 59769 91912 08456 28932 42342 63369 71729  
71039 73480 43714 72597 70273 28864 17753 42323 21415  
Attention (message repeated) Out

**6849 kHz, 03-02/05-02, 1815 UTC**

925/31 Attention  
65732 02411 87393 45383 01612 44150 82776 33838 44818 55518  
11868 96050 26114 68105 32232 36058 41286 71872 83335 09298  
67395 63216 16240 69247 70872 95059 42173 23766 78751 29156  
76906  
Attention (message repeated) Out

**4909 kHz, 06-02, 0450 UTC**

**5779 kHz, 09-02, 1730 UTC**

413/33 Attention  
70744 88975 89622 35806 43063 64569 01178 40323 33661 48410  
67565 98749 88211 57164 51155 01640 07910 05572 74928 81809  
37398 97359 00591 09960 84285 60737 90770 55366 73291 03643  
97656 48239 27559  
Attention (message repeated) Out

**11092 kHz, 06-02/08-02, 0900 UTC**

530/39 Attention

04376 83501 80389 70013 95995 96171 26447 53471 16565 17454  
41363 60014 21116 23504 78389 08962 30081 68295 86099 76901  
02205 33810 68769 36288 98820 16891 50416 63379 90038 98414  
25309 55686 48441 40154 80137 35080 83171 43480 26211

Attention (message repeated) Out

**9130 kHz, 07-02/10-02, 0715 UTC**

639/32 Attention

61466 45385 29375 18508 15796 79880 43423 35427 31335 65069  
45978 03401 09087 10498 35533 99261 51756 44171 77861 80298  
07607 06054 68533 04500 04779 32512 92697 44016 71982 37014  
27252 74015

Attention (message repeated) Out

**13363 kHz, 07-02, 1430 UTC**

912/38 Attention

24911 61372 72179 27870 43753 52173 64466 96665 14902 07663  
28918 90524 63518 56026 30905 66026 23770 60755 39624 63228  
68356 70594 63638 97094 79238 77849 96448 66187 50352 49738  
63315 59966 21118 84260 21036 84828 43334 56132

Attention (message repeated) Out

**5432 kHz, 07-02/12-02, 1605 UTC**

233/30 Attention

66980 02858 60774 19687 54241 34214 80138 08540 15307 55453  
29448 19790 70928 77964 02822 63700 19361 05485 17100 69121  
89319 14307 78928 20347 81055 04831 42844 16668 53269 56340

Attention (message repeated) Out

**12153 kHz, 09-02, 0505 UTC**

330/40 Attention

03936 15162 79939 53488 20358 92738 99438 17701 75025 66974  
66816 33305 37015 60711 94308 90293 91773 89992 49932 68611  
90986 87249 43407 12016 81014 26084 31810 52427 54073 84024  
57653 09577 68560 48416 31631 04120 55211 74989 07876 10324

Attention (message repeated) Out

**13363 kHz, 11-02, 1430 UTC**

910/38 Attention

24911 61372 72179 27870 43753 52173 64466 86665 14902 07663  
28918 90524 63518 56026 30905 66026 23770 60755 39624 63228  
68356 70594 63638 97094 79238 77849 96448 66187 50352 49738  
63315 59966 21118 84260 21036 84828 43334 56132

Attention (message repeated) Out

**14940 kHz, 13-02/17-02, 0830 UTC**

182/35 Attention

95231 86304 34395 45458 24599 76240 19606 86101 62193 77936  
01727 05862 88906 99431 02869 07340 91736 22846 41648 81436  
18437 76824 63115 20191 67086 33494 14478 74659 65154 68120  
47876 75362 64495 02842 18567

Attention (message repeated) Out

**4909 kHz, 13-02/16-02, 1300 UTC**

311/35 Attention

57919 77025 03320 68710 52795 87383 67355 71033 06585 07103  
33441 57529 59219 35229 06386 08608 64768 75087 07439 92534  
79419 85965 59708 27100 01791 84395 07736 12365 96126 35750  
75952 90576 11919 36296 44889

Attention (message repeated) Out

**6849 kHz, 13-02/16-02, 1900 UTC**

643/36 Attention

49896 38617 23986 33495 96963 81137 21808 91100 35615 08041  
77099 94397 20755 49346 39866 19029 59486 39695 27734 58879  
10776 10509 18971 54566 74270 44071 92140 96996 60272 76119  
74696 61992 73453 59961 94378 89889

Attention (message repeated) Out

**17378 kHz, 14-02/16-02, 0845 UTC**

150/33 Attention

81335 79571 93663 59003 66034 07110 64565 07320 93939 08766  
57338 54364 98338 84965 19365 53294 68961 48560 52448 02305  
15215 11289 80595 13304 75863 30068 05771 69620 38950 72731  
98528 10640 18665

Attention (message repeated) Out

**9052 kHz, 15-02/16-02, 0315 UTC**

259/33 Attention

04274 43717 29953 48928 64992 23145 69341 96476 85877 67092  
59253 31369 22401 70045 87789 55193 43578 68961 55409 74098  
85758 04531 72026 20622 36861 82889 47985 61611 85504 56719  
42167 44727 22805

Attention (message repeated) Out

**7469 kHz, 15-02/16-02, 0930 UTC**

275/32 Attention

58850 01744 32081 39156 85106 11206 25791 67475 52927 94678  
58760 77035 53327 78471 98987 17614 45638 81593 47795 33568  
29096 63943 39087 97660 69283 51496 63979 13308 97335 98323  
43966 37290

Attention (message repeated) Out

**5149 kHz, 16-02/17-02, 0820 UTC**

439/34 Attention

35349 45781 40882 51461 69177 60176 91413 44147 34925 32353  
45541 45250 69902 96159 86944 65557 02084 73944 33352 73369  
48468 32702 47511 62629 13357 62833 33737 70063 47197 87547  
34390 96529 27344 89391

Attention (message repeated) Out

**7850 kHz, 17-02, 0600 UTC**

353/38 Attention

35102 62449 77905 20196 69900 34068 34249 77809 70576 84718  
27037 51285 33167 73196 20261 04674 43564 86049 48944 39498  
58162 16816 32818 40412 17616 09719 05348 57165 96955 82773  
68174 49839 53037 16208 73944 54032 10821 97104

Attention (message repeated) Out

**5371 kHz, 18-02/19-02, 0700 UTC**

498/40 Attention

45654 21396 60588 75826 39978 52145 21814 01400 68334 35130  
95824 34331 14353 73265 34763 28834 12078 08119 72817 12120  
58405 65055 71402 90098 24783 98431 37755 92669 56888 41850  
14825 41531 39206 63910 03327 44306 78271 79595 83968 57027

Attention (message repeated) Out

**4909 kHz, 18-02/19-02, 1530 UTC**

365/36 Attention

68246 65678 26593 01181 42459 46058 17915 27874 69939 02806  
73874 17206 56676 06762 53136 28450 84528 03501 69803 18915  
03451 64917 82719 31921 93958 71076 40184 96036 09141 66205  
69038 74145 88666 54079 47226 70800

Attention (message repeated) Out



**16005 kHz, 20-02/22-02, 0640 UTC**

941/37 Attention

06768 19249 31743 06208 00171 53039 75913 09706 89719 18507  
04596 88762 04960 80408 49588 74908 52396 49013 31928 56537  
92913 65427 06977 93442 75659 95402 02841 98343 60067 01710  
68754 01782 09373 90957 10416 71738 21777

Attention (message repeated) Out

**11104 kHz, 20-02/22-02, 0715 UTC**

750/32 Attention

96367 57915 65985 60263 20380 66451 43044 20279 70017 82907  
87238 93004 83906 73304 88710 87472 95742 04075 59211 53097  
04399 97190 89665 98990 84148 46523 78153 60789 26833 13524  
48118 63429

Attention (message repeated) Out

**10213 kHz, 20-02, 0745 UTC**

**5409 kHz, 23-02, 1530 UTC**

266/40 Attention

50393 40924 23742 90339 08246 19861 09185 68273 94217 13378  
18993 04067 28939 30027 88235 08964 27727 46348 03651 93998  
65009 40433 74776 18091 71038 83845 56318 96806 30746 43811  
61043 94148 23972 49695 54555 14252 08145 18691 28656 08208

Attention (message repeated) Out

**12067 kHz, 20-02/22-02, 0845 UTC**

711/34 Attention

21449 45042 51079 38998 26014 27535 88408 38818 91369 52752  
81395 10096 65782 48591 71260 58266 00485 68762 63257 00991  
39227 50818 50760 49500 44525 49609 05962 85965 39669 20417  
63937 10676 29206 40053

Attention (message repeated) Out

**11100 kHz, 20-02/22-02, 1045 UTC**

696/30 Attention

65139 28994 16914 29427 30411 72807 43393 96591 58524 67660  
75229 21294 73186 54234 37318 24706 32010 29701 08013 87482  
67352 61747 67094 57901 93545 62617 25410 26350 16374 43528

Attention (message repeated) Out

**12924 kHz, 20-02/26-02, 1745 UTC**

246/37 Attention

94232 99147 23051 63049 70914 18689 11200 42995 79163 44180  
61908 45927 84523 67339 98626 17653 67411 93838 22225 77287  
07294 69108 99642 81683 49666 50522 04480 64131 31039 65788  
49834 98884 19070 09370 06204 78394 66910

Attention (message repeated) out

**7840 kHz, 21-02/23-02, 0645 UTC**

512/32 Attention

12155 99110 22293 12805 76813 83393 30828 90713 17709 41748  
30543 18232 33085 75311 93855 45108 93653 85307 34106 70960  
88592 06847 65792 00626 42116 87870 65699 69941 83508 37755  
68484 69479

Attention (message repeated) Out

**6804 kHz, 21-02/24-02, 0700 UTC**

570/33 Attention

36574 19351 12276 74406 73410 80317 13682 79294 03058 27327  
43290 51599 29870 69748 92854 42698 17733 33013 79865 26283  
84748 26175 54304 10750 09416 74250 08150 13271 85686 18711  
96172 34513 31994

Attention (message repeated) Out

**13908 kHz, 21-02/23-02, 0745 UTC**

221/39 Attention

01997 13347 64321 02655 45155 95899 38466 27056 45357 65877  
 75332 85785 31014 68760 99123 09858 08601 67944 21038 73844  
 58062 27041 84490 43469 51420 90545 89074 11167 57905 74949  
 61253 92389 35441 42161 80678 42483 06468 72820 10960

Attention (message repeated) Out

**14611 kHz, 21-02/22-02, 0820 UTC**

131/33 Attention

58109 61172 81154 06824 58328 74557 09030 90661 09746 05605  
 94612 16294 24941 88279 77271 77943 03878 97082 30476 15252  
 85629 24263 04720 49887 66876 83175 30524 09301 70820 89139  
 32792 94069 64123

Attention (message repeated) Out

**9079 kHz, 21-02/24-02, 1000 UTC**

307/36 Attention

71030 39536 78979 42977 35397 60945 10166 74803 05408 09889  
 22500 73120 17526 27929 73392 35267 95205 23341 14968 55322  
 93421 22480 27263 73079 14602 46902 87750 19084 20434 38284  
 20496 23222 68330 22867 55811 38027

Attention (message repeated) Out

**6433 kHz, 21-02/22-02, 1205 UTC**

461/30 Attention

49792 94146 05271 37435 44302 19182 74480 95928 71445 24290  
 87799 97764 92674 78497 97147 45196 83759 47565 68480 30421  
 24719 37115 22253 53041 17288 00896 48862 54045 14833 08045

Attention (message repeated) Out

**5082 kHz, 22-02/24-02, 1715 UTC**

976/31 Attention

03051 12709 34740 91504 98026 09384 67792 84608 15462 52766  
 35431 89643 99391 52011 75770 15743 69433 17567 73631 07494  
 31926 19321 53914 09956 13524 67193 25351 82937 27691 27033  
 17891

Attention (message repeated) Out

***Russian operator 6 tests***

There were quite a few Russian operator 6 tests in Februari, including **E06, E06b, G06b, M14, S06 and S06g transmissions, and some WinXP sounds**. All of them used known test frequency and ID pairs, except for the M14 801 on 10463 kHz. Thanks to Subilo and Pierre who found most of them.

**E06: 11073 kHz, 05-02, 1234 UTC**

352 (R4m) 186 50

00971 14195 36942 74958 17123 66788 26565 93728 51266 74044  
 20830 31460 54272 72422 87567 29911 22979 61424 75823 67004  
 85466 48704 35169 22113 71187 19495 56585 49244 20658-

[32s silence] 072 14378 39710-

[28s silence] 352 (R1m10s)

71187 19495 56585 49244 20658 03788

02124 94072 14378 39710 15515 15763 25686 56524 30934 99512  
 27219 25693 22084 70750 05680 53457 58811 46945 64587 13345

[5s silence] 352 (R1m20s) 3 [5s silence] 352 (R1m20s)

05680 53457 58811 46945 54587 (group corrected) 13345

186 50 00000

Full recomposed message:

352 186 50  
00971 14195 36942 74958 17123 66788 26565 93728 51266 74044  
20830 31460 54272 72422 87567 29911 22979 61424 75823 67004  
85466 48704 35169 22113 71187 19495 56585 49244 20658 03788  
02124 94072 14378 39710 15515 15763 25686 56524 30934 99512  
27219 25693 22084 70750 05680 53457 58811 46945 54587 13345  
186 50 00000

**S06: 10755 kHz, 08-02, 0456 UTC**

480 193 42  
36508 65502 07278 88195 63001 89482 40690 02059 14403 02084  
54905 99393 82853 77357 69779 24274 23272 32630 13025 36453  
01089 48475 62523 89342 52755 47781 00930 72731 53277 31812  
49563 01154 35760 43827 70133 41841 91351 23807 46730 26195  
27269 1821  
193 42 00000

**S06g: 11073 kHz, 09-02, 0800 UTC. 1200Hz test tone then S06 352 once**

**S06g: 11073 kHz, 09-02, 0810 UTC**

352 352 352 78542 (R4m) 649 25  
27783 [20s silence] 352 (R1m15s) 3352 352 (R25s) 35- [3s silence]  
352 (R15s) 649 25  
27783 57899 74716 65308 52390 91347 93545 14952 65883 24156  
79123 24642 93931 15405 55539 33252 98060 83538 44086 67639  
89490 44295 [7s silence]  
352 (R4m)  
52052 649 25 [24 silence] 352 (R1m10s)  
83538 44086 67639 89490 44285 (group corrected) 96682 28482 52052  
649 25  
352 (R1m) 716 25  
37363 46132 55805 36661 45111 41831 90869 53702 33355 70415 [8s silence]  
352 (R1m15s) 3522 352 (R40s)  
41831 90869 53702 33355 71415 (group corrected) 31462 49244 94946 0 [55s silence]  
352 (R22s) 35352 352 (R1m10s)  
33355 71415 31462 49244 94946 02768 40094 51241 21683 33000  
37966 93996 01560 58488 73959 06854 80975  
716 25 00000

Full recomposed messages:

352 649 25  
27783 57899 74716 65308 52390 91347 93545 14952 65883 24156  
79123 24642 93931 15405 55539 33252 98060 83538 44086 67639  
89490 44285 96682 28482 52052  
649 25  
352 716 25  
37363 46132 55805 36661 45111 41831 90869 53702 33355 71415  
31462 49244 94946 02768 40094 51241 21683 33000 37966 93996  
01560 58488 73959 06854 80975  
716 25 00000

**S06: 10755 kHz, 08-02, 0900 UTC. Mashup of 14/15 January E06 480 message**

480 193 42  
36508 65502 07278 88195 63001 89482 40690 02059 14403 02084  
54905 99393 82853 77357 69779 24274 23272 32630 13025 36453  
01089 48475 62523 89342 52755 47781 00930 72731 53277 31812  
49563 01154 35760 43827 70133 41841 91351 23807 46730 26195  
27269 31821  
193 42 00000

**S06: 10755 kHz, 09-02, 1646 UTC. 1200Hz test tones then S06 975 twice**

**S06: 10755 kHz, 09-02, 1700 UTC**

975 (R2m30s) 97- [30s silence]

975 (R1m) 681 50

00971 14195 36942 74958 17123 66788 26565 93728 51266 74044

29830 31460 54272 \_2422...

[too weak to copy, includes 975 restarts]

**S06: 10755 kHz, 09-02, 1750 UTC**

975 (R)

(Note: Unfortunately, the recording stopped before the transmission started.)

**E06: 9463 kHz, 10-02, 1748 UTC. Test tones then E06 "801" once**

**E06: 9463 kHz, 10-02, 1800 UTC**

801 (R4m) 432 57

32966 0 [5s silence] 0635 43040 [20s silence]

801 (R1m)

32966 00635 43040 57805 82575 72305 31125 05012 43039 49418

53854 20399 08273 15009 68661 77440 52156 46064 73450 05472

95467 91963 17525 38102 16671 72147 08714 42572 67483 97721

40122 47270 79172 46671 84946 09568 70504 47372 32801 91180 [20s silence]

801 (R1m)

84946 09568 70504 47372 32801 91180 93294 50098 65978 33236

76498 91193 99093 48235 54763 79619 30541 71096 92401 60546

79208 36468 38706

432 57 00 [30s silence] 01

801 (R1m)

60546 79208 36468 38706

432 57 00000

Full recomposed message:

801 432 57

32966 00635 43040 57805 82575 72305 31125 05012 43039 49418

53854 20399 08273 15009 68661 77440 52156 46064 73450 05472

95467 91963 17525 38102 16671 72147 08714 42572 67483 97721

40122 47270 79172 46671 84946 09568 70504 47372 32801 91180

93294 50098 65978 33236 76498 91193 99093 48235 54763 79619

30541 71096 92401 60546 79208 36468 38706

432 57 00000

**E06b: 10755 kHz, 14-02, 1410 UTC**

975 975 975 37519 (R4m) 804 26

39316 00159 58947 50883 51130 33261 63664 15717 07630 07793

48349 58537 15101 93928 32592 95921 24570 62496 24031 08517

26548 77457 74475 90397 41579 67380

804 26

975 (R1m) 310 26

54274 40083 40779 53817 48265 99140 33 [20s silence] 22789 89488

83474 53250 [30s silence]

975 (R1m)

40779 53817 48265 99140 33443 63290 22789 89488 [10s silence]

975 (R1m15s) [5s silence]

975 (R1m)

99140 33443 63290 22789 [25s silence]

97 [8s silence]

975 [55s silence]

975 (R1m)

99140 33443 63290 22789 89489 (group corrected)

83474 53250 13298 54074 09107 07321 75194 31323 84464 81150

86883 89108 03198 89362 28304 36181

310 26 00000

Full recomposed messages:

975 37519 804 26  
39316 00159 58947 50883 51130 33261 63664 15717 07630 07793  
48349 58537 15101 93928 32592 95921 24570 62496 24031 08517  
26548 77457 74475 90397 41579 67380  
804 26  
975 310 26  
54274 40083 40779 53817 48265 99140 33443 63290 22789 89489  
83474 53250 13298 54074 09107 07321 75194 31323 84464 81150  
86883 89108 03198 89362 28304 36181  
310 26 00000

**S06: 10755 kHz, 15-02, 0900 UTC. Mashup of known Orenburg E06/S06 480 groups**

480 392 41  
50135 80378 77662 36926 77384 32258 43795 81190 22191 26184  
64478 75710 14096 55206 60429 13963 73995 85328 87650 23576  
27894 00991 22483 40842 87266 07508 19628 63724 25603 06734  
96541 11914 62207 86428 19913 65944 62410 49307 34365 62450  
28945  
392 41 00000

**G06b: 11073 kHz, 17-02, 1609 UTC. 1200Hz test tones then G06 352 once**

**G06b: 11073 kHz, 17-02, 1620 UTC**

352 (R1m20s) [12s silence]  
352 352 352 78542 (R1m) 981 [7s silence]  
352 352 352 78542 (R3m) 981 30  
00971 14195 [1m silence]  
352 352 352 78542 (R1m30s)  
352 352 3 [5s silence]  
352 (R1m50s) 35 [8s silence]  
352 (R1m) 981 30  
00971 14195 36249 74958 17123 66788 26565 [13s silence]  
352 (R2m20s) 981 30  
00971 14195 36942 (group corrected) 74958 17123 66788 26565  
93728 51266 74044 20830 31460 54272 72422 87567 29911 22979  
61424 75832 67004 85 [7s silence]  
352 (R2m)  
72422 87567 29911 22979 61424 75832 67004 85466 48704 35169  
22113 71187 19495 56585 49244 20658 03788  
981 30 00000

Full recomposed message:

352 78542 981 30  
00971 14195 36942 74958 17123 66788 26565 93728 51266 74044  
20830 31460 54272 72422 87567 29911 22979 61424 75832 67004  
85466 48704 35169 22113 71187 19495 56585 49244 20658 03788  
981 30 00000

**S06: 10755 kHz, 22-02, 0900 UTC. Mashup of 21/22 January E06 480 message**

480 279 43  
84676 22763 63948 35769 95824 79412 98651 94441 68080 27822  
77305 23843 95883 08867 73626 67677 92924 75241 15470 32175  
64478 75710 14096 55206 60429 13963 73995 85328 87650 23576  
55716 52066 01630 66200 57401 84853 00773 88198 03406 11905  
45671 09335 66502  
279 43 00000

**M14: 10463 kHz, 21-02-2023, 1430 UTC**

801 679 679 52 52 = =  
27143 67096 54617 43906 39846 39174 37809 73885 58455 75611  
24725 71072 52256 58051 74724 63095 87619 36793 06464 54042  
14064 79806 36727 87485 22667 83571 28351 54823 31534 19159  
14408 84975 78005 12017 90856 76354 22288 78872 94825 57067  
92197 70208 10741 84274 23707 91744 71464 18646 76979 03351  
46642 34855  
= = 679 679 52 52 00000

**E06: 11073 kHz, 25-02**

1533 UTC: Windows XP startup system sound.  
1535 UTC: Windows XP system sound. Windows XP exclamation system sound  
1541 UTC: 1200Hz test tone  
1542 UTC: 352 once  
1543 UTC: 1200Hz test tone  
1544 UTC: 352 once  
1550 UTC: message  
352 (R4m) 718 55  
51075 77017 71173 64801 75215 03917 81887 25506 44793 33946  
02012 72425 92822 50901 19169 61813 66256 93036 17082 49560  
05959 46682 12433 19247 05686 34885 66818 85675 48501 93258  
34746 78577 44079 50223 33594 36189 15318 53836 46488 63377  
07706 12382 94024 33994 19886 40924 35778 42173 78843 31003  
87528 32225 08161 85661 65155  
718 55 00000

Recording: <https://priyom.org/media/314560/e06-11073usb-20230225-153345z-winxp-startup-bytm.ogg>

**S06**

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

480 971 52  
74943 84705 76222 22475 97675 21422 44129 28846 89791 13683  
15701 97312 81551 01536 09894 91279 08112 26461 37616 57751  
41773 11357 95353 64188 20020 19510 53811 10472 49060 91015  
33757 76888 87534 80077 86269 94098 40084 41627 19561 46010  
15480 40682 39572 41499 28984 82919 96522 15922 53633 89853  
54610 48339  
971 52 00000

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

480 523 61  
09581 12007 71499 33632 31916 07850 67152 72108 15489 32350  
76245 17625 78768 04486 01851 01430 32467 25160 60176 38048  
91571 56101 68826 35288 69112 07455 78498 21524 56356 57501  
65344 76211 19115 52947 26147 74559 64849 63212 43531 82298  
60273 87163 13369 61484 04119 35726 51590 73275 84775 38811  
22564 88622 77474 49993 56261 42801 60716 47391 46365 94730  
56617  
523 61 00000

**11616/9322 kHz, 03-02, 0400/0420 UTC**

480 691 52  
90756 52005 70412 89522 76603 75557 42502 35169 98713 94852  
79451 06196 04664 75861 26633 81969 28866 53516 48026 04050  
62389 74543 09176 34699 64281 47825 97736 03390 12830 94471  
42567 45978 20210 14777 17280 66250 58935 14263 39213 74512  
73578 55996 99750 82921 76170 31358 86916 62242 48733 66451  
86202 89717  
681 52 00000

**11616/9322 kHz, 06-02, 0400/0420 UTC**

480 273 54

32284 11685 13034 27823 44177 28099 75059 54761 43417 90687  
38216 12924 02675 11904 82525 93485 39907 66964 86194 73098  
41475 78168 88234 59392 83397 89940 07426 04545 92941 45535  
69500 60352 17738 01335 22800 73243 94592 39686 45396 42672  
35201 66209 76189 91324 70940 02517 21847 20583 23936 10279  
20968 49681 96576 07573  
273 54 00000

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

480 651 70

54649 33161 98342 08276 07697 26638 20888 66635 76774 04040  
95988 22735 60929 46515 33953 25940 71120 04535 40529 46960  
45739 69249 42437 49257 26382 45112 19248 92186 92325 15966  
02549 70568 77110 21765 28326 20366 15712 88140 53514 45172  
95701 75976 72639 43182 10857 43192 95499 39338 40645 35929  
71816 52337 04027 51309 73796 51198 61012 38969 72543 81060  
60408 33546 69249 62904 57196 35313 67116 96894 47976 81148  
651 70 00000

**11616/9322 kHz, 08-02, 0400/0420 UTC**

No transmission

**11616/9322 kHz, 09-02, 0400/0420 UTC**

480 536 70

12404 74951 86068 34258 66774 54884 86591 43418 56527 79573  
70419 68280 28495 72901 80573 16992 63615 15605 75987 35469  
22702 42878 63266 84934 27856 20193 19556 75015 21721 08287  
61211 25845 71738 53242 37959 57611 11631 62605 57229 30976  
37264 53474 68353 86816 99097 83498 61318 58723 58408 00728  
59744 56676 99460 73245 12806 45370 14833 84518 15755 65586  
06067 05420 13746 72091 66842 78837 68654 86411 40858 77822  
536 70 00000

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

480 196 51

73274 61721 88557 72612 01654 12708 32202 50720 73162 82806  
84036 09458 29033 94848 16585 78314 26065 54587 42375 13755  
90697 89802 53216 14350 88414 66068 42774 52409 75664 15115  
92137 20559 26490 36728 23059 16696 51056 60117 48558 15759  
48252 75700 75578 01755 59567 73228 39378 58473 16426 47203  
74351  
196 51 00000

**11616/9322 kHz, 13-02, 0400/0420 UTC**

No preamble

59992 03303 63612 69612 75216 72984 94170 04944 23477 66736  
97366 53955 37868 06368 38864 03034 15732 80598 47390 96475  
56847 54818 57285 17979 14632 45784 75760 95658 64999 84708  
92043 16551 22594 17146 70613 61514 59066 13152 95695 96485  
03098 86115 59226 81016 26838 43741 09450 80037 48466 19572  
02356 89775 05548 58542 23129 13780 78881 54953 69817 49970  
71521  
253 61 (no closing nulls)

**11616/9322 kHz, 14-02, 0400/0420 UTC**

480 179 52

59992 03303 63612 69612 75216 72984 94170 04944 23477 66736  
97366 53955 37868 06368 38864 03034 15732 80598 47390 96475  
56847 54818 57285 17979 14632 45784 75760 95658 64999 84708  
92043 16551 22594 17146 70613 61514 59066 13152 95695 96485  
03098 86115 59226 81016 26838 43741 09450 80037 48466 19572  
02356 89775  
179 52 00000

**11616/9322 kHz, 15-02, 0400/0420 UTC**

480 635 70  
28047 51056 86672 65883 83917 90646 65398 61335 60042 14329  
42782 61359 16994 39796 56375 74194 73388 22212 67429 08225  
56758 02332 70217 62323 74049 52754 92073 69821 50193 64519  
95098 50772 08177 41213 15462 52198 89059 92785 01232 81028  
35359 46265 34689 59381 86266 15549 50043 56915 58106 97466  
82500 79902 08492 86305 09611 21740 07603 23967 70846 04568  
65043 27971 76334 66689 85688 64465 40688 75484 52981 58457  
635 70 00000

**11616/9322 kHz, 16-02, 0400/0420 UTC**

480 279 53  
99980 63592 14422 58500 84053 40097 99027 98890 07470 37827  
57610 74965 71136 10018 74876 77912 44249 43938 68591 78665  
67000 43161 44677 22136 15487 20865 07481 97324 46020 90113  
54913 31750 61005 62041 13135 83628 63606 87891 90477 30245  
93357 05832 55300 75958 59920 78500 67446 28270 17173 32207  
18013 15392 44826  
279 53 00000

**11616/9322 kHz, 17-02, 0400/0420 UTC**

480 163 52  
49757 51798 14130 35872 67186 22748 50300 35854 22799 79620  
30194 20295 06503 88736 44277 10846 48106 81914 40575 67328  
20232 64834 35258 84438 40567 21989 06142 02989 46849 85405  
05036 15401 43055 59320 49876 70117 40216 18002 82577 04625  
40294 18899 03555 61783 36573 98319 18830 69142 28977 41807  
60682 85929  
163 52 00000

**11616/9322 kHz, 20-01, 0400/0420 UTC**

480 295 61  
47028 92402 79797 09343 94753 09378 41066 20992 96222 16336  
91424 38018 44550 59018 35334 36522 64157 54123 04310 89178  
68984 99162 99947 49169 25891 08199 66363 81084 52918 21895  
34198 49733 07097 65326 03407 08206 41499 51973 56990 08316  
36213 57348 22884 32772 32931 10694 26173 71001 27840 78171  
98822 63579 02500 36009 39128 62786 97392 57011 38043 33044  
57846  
295 61 00000

**11616/9322 kHz, 21-02, 0400/0420 UTC**

480 176 53  
54364 80090 51712 53506 49577 33825 41457 71169 00473 90552  
83101 03319 50270 31957 88070 97082 59686 62000 52997 94789  
11136 21634 02057 89353 04426 61039 16886 17656 42393 61566  
15051 96597 29924 24569 62975 31513 34785 69330 34285 51641  
83712 07245 49499 52332 92193 84462 58008 48672 51368 10185  
48270 70236 20510  
176 53 00000

**11616/9322 kHz, 22-02, 0400/0420 UTC**

No transmission

**11616/9322 kHz, 23-02, 0400/0420 UTC**

No transmission

Holiday "Defender of the Fatherland Day"

**11616/9322 kHz, 24-02, 0400/0420 UTC**

No transmission



**11616/9322 kHz, 27-02, 0400/0420 UTC**

480 395 61  
 06009 96559 03750 04476 20020 22349 07372 75961 44206 76608  
 42858 62124 57650 51790 32695 51550 59007 94858 55135 27663  
 01218 24593 49464 88815 60691 21256 83081 77459 51897 43310  
 53843 85577 23310 50874 26087 28585 95633 40604 23792 04869  
 28249 21689 29302 83154 24826 87643 61054 84902 14028 63598  
 28749 53904 66253 33753 89400 30277 32354 78703 52697 71036  
 15255  
 395 61 00000

**11616/9322 kHz, 28-02, 0400/0420 UTC**

480 267 51  
 91351 53677 08377 82911 14101 54343 60659 60853 45331 12559  
 34221 01919 21167 65268 70404 70914 31037 61641 00185 23366  
 30874 47827 61712 62014 69310 16661 42568 16832 31536 45737  
 63914 34521 30536 72314 48724 88421 00365 78455 41284 44762  
 71165 84877 70149 46201 30617 76918 71748 98585 01488 11073  
 16817  
 267 51 00000

**S11a****11486 kHz, 01-02, 1850 UTC**

282/32 Vnimanije  
 21778 69986 29049 79122 33058 44082 46166 91498 64793 37587  
 08541 80611 65353 54982 34510 34618 32861 03229 28527 70404  
 99143 63324 47247 16645 01542 86705 27819 66083 42662 46504  
 14837 14862  
 Vnimanije (message repeated) Konets

**6252 kHz, 06-02/10-02, 0915 UTC**

483/33 Vnimanije  
 65632 36475 12237 14805 60893 15532 29349 43594 94201 45416  
 80235 33604 05135 19931 40182 45797 14938 27686 48482 42375  
 60197 62178 59649 89133 78076 26944 90503 96009 69607 25698  
 93373 30415 09798  
 Vnimanije (message repeated) Out

**6252 kHz, 07-02/10-02, 1400 UTC**

425/31 Vnimanije  
 26480 85596 65726 72158 84465 94807 00664 25482 74264 04220  
 57570 84306 93065 04945 42097 83744 04513 22250 03417 97443  
 77554 38695 43798 13785 57675 33524 83250 91634 16979 00817  
 67469  
 Vnimanije (message repeated) Konets

**10487 kHz, 10-02/12-02, 1910 UTC**

617/35 Attention  
 77161 59031 93982 80909 79107 62397 49672 99395 53807 88292  
 86987 57719 59972 72306 17352 31662 74198 73939 21232 82433  
 91767 19133 85576 35038 85685 05911 19733 03046 55499 61806  
 69751 10949 87379 84823 24765  
 Attention (message repeated) Out

**9057 kHz, 13-02/15-02, 0510 UTC**

654/33 Vnimanije  
 85285 20394 47818 46416 72045 01257 67147 64390 62973 02097  
 99421 70907 94061 42943 92955 24226 40898 04321 63449 29843  
 73665 35215 48652 35846 36465 42317 00310 84203 85087 66513  
 30430 21370 17833  
 Vnimanije (message repeated) Konets

**12530 kHz, 14-02/16-02, 0500 UTC**

383/39 Vnimanije

11740 03387 76746 20398 46442 15464 12373 45480 08904 57734  
79936 81666 04628 28285 19152 85296 36965 84896 70261 76829  
43997 07252 83635 36377 59679 70180 27216 84665 20241 14195  
92117 02751 56490 33781 94998 25100 53387 62717 26069

Vnimanije (message repeated) Konets

**5371 kHz, 18-02/19-02, 0830 UTC**

376/34 Vnimanije

23395 84049 34975 69870 17453 60262 42861 72917 85929 35746  
11221 53624 37590 69342 06491 46422 52771 84659 97063 21721  
28636 78075 01192 42023 37631 25894 81228 79009 34621 45986  
73312 09743 22669 62103

Vnimanije (message repeated) Konets

**9050 kHz, 20-02/23-02, 0700 UTC**

471/37 Vnimanije

66451 42146 26242 27585 19513 17974 30851 14569 91200 64598  
14760 05406 80501 42002 23017 39933 42997 78449 39924 31465  
62458 11845 76841 36760 61777 35230 98685 20748 09322 90196  
27077 61719 39041 34407 58167 88345 32269

Vnimanije (message repeated) Konets

**11559 kHz, 12-02/23-02, 0445 UTC**

797/33 Vnimanije

36890 57593 50715 01737 31396 71655 87787 49441 46856 54523  
12770 41806 63270 80423 97106 57613 04959 91839 49366 19787  
74657 42929 34974 33132 70053 65723 72202 19139 78632 02419  
24635 81054 20930

Vnimanije (message repeated) Konets

**V07**

V07 is still alive. It changed both time and frequencies.

**18217/16317/15817 kHz, 05-02, 0200/0220/0240 UTC. Message**Token has a recording here [https://www.youtube.com/watch?v=Nke4\\_PMH-L4](https://www.youtube.com/watch?v=Nke4_PMH-L4)**18217/16317/15817 kHz, 12-02, 0200/0220/0240 UTC**

238 238 238 1 452 136 452 136

03706 35865 85623 68269 32544 93525 27376 78683 32267 44627  
97188 33167 38501 57678 69195 39262 60559 80031 29738 66060  
98314 44523 56813 01844 15656 69917 54776 06048 54337 61319  
42498 03477 19675 07575 99428 80112 73769 38647 56662 50104  
34466 73566 79453 63484 14045 38841 08769 31655 73300 39457  
73831 92992 74311 25753 80252 28395 07890 16052 62168 46277  
82132 25101 57501 85005 87069 35129 48374 17143 40747 33736  
74036 69760 01636 56408 61872 24212 73666 24623 07882 91779  
36803 53415 94471 64588 12565 89005 66307 60891 18650 91574  
98423 08648 32913 13502 81212 54790 70372 73559 16104 66286  
70495 55859 60544 15534 74851 72405 33237 43050 81577 76689  
62239 43919 27057 44693 09890 22663 60589 69828 79590 54063  
55160 69431 35856 31332 62894 48446 90482 42281 36224 35706  
03931 90913 93434 97531 39691 92358 000 000

**18217/16317/15817 kHz, 19-02, 0200/0220/0240 UTC**

238 238 238 1 620 102 620 102

28652 26082 36878 89026 89065 42560 50850 07084 45328 07335  
87430 54687 78362 71678 35084 01333 65877 45308 10161 40044  
03270 79427 75987 61367 28502 08145 28587 75035 39122 98335  
30771 76409 52390 45648 27347 39819 40893 18654 01172 78988  
35509 24786 66105 21031 07770 44637 50436 58468 21486 79967  
30364 95152 24516 73905 70078 66017 79253 19248 51511 16090  
56218 56285 83127 55879 62501 73089 78335 23235 36790 13480  
45850 06795 06091 23232 29006 01220 66517 65007 60543 27588  
28612 81034 04833 90325 91014 12530 67423 75239 03088 33452  
43950 74236 73382 39685 75243 05896 33793 16272 08408 50913  
18780 40475 000 000

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

7688 kHz, 08-02, 1300 UTC  
11430 kHz, 08-02, 1300 UTC  
7688 kHz, 10-02, 1300 UTC  
11430 kHz, 10-02, 1300 UTC  
7688 kHz, 15-02, 1300 UTC  
11430 kHz, 15-02, 1300 UTC  
7688 kHz, 17-02, 1300 UTC  
11430 kHz, 17-02, 1300 UTC  
7688 kHz, 22-02, 1330 UTC  
11430 kHz, 22-02, 1330 UTC  
9276 kHz, 24-02, 1200 UTC  
13974 kHz, 24-02, 1200 UTC  
7688 kHz, 24-02, 1300 UTC  
11430 kHz, 24-02, 1300 UTC  
18040 kHz, 25-02, 0103 UTC  
8169 kHz, 25-02, 0201 UTC  
11430 kHz, 25-02, 0320 UTC  
9276 kHz, 27-02, 1200 UTC  
13974 kHz, 27-02, 1200 UTC

### **V28 - 앵무새 Aengmusae (Parrot)**

Thanks to HK for the logs of this North Korean net

3048 kHz, 01-02, 0906 UTC, AM	
5161 kHz, 01-02, 0902 UTC, AM	
5222 kHz, 01-02, 0910 UTC, AM	Bad modulation
3027 kHz, 02-02, 0902 UTC, AM	Beep sound after hanging up
5223 kHz, 02-02, 0905 UTC, AM	Bad modulation
5482 kHz, 03-02, 2109 UTC, AM	
5045 kHz, 06-02, 2100 UTC, AM	
5475 kHz, 06-02, 2100 UTC, AM	
5489 kHz, 07-02, 2107 UTC, AM	
5489 kHz, 07-02, 2109 UTC, AM	
3052.5 kHz, 13-02, 2100 UTC, AM	
5486.6 kHz, 13-02, 2100 UTC, AM	
5234 kHz, 14-02, 0902 UTC, AM	
3053 kHz, 14-02, 0904 UTC, AM	
3024 kHz, 14-02, 0906 UTC, AM	
5219 kHz, 15-02, 0900 UTC, AM	
3052 kHz, 15-02, 0905 UTC, AM	
3024 kHz, 17-02, 0900 UTC, AM	
3052 kHz, 17-02, 0905 UTC, AM	
5509 kHz, 18-02, 1800 UTC, AM	Female operator
5508 kHz, 18-02, 1025 UTC, AM	Male operator, urgent transmission ??
3052 kHz, 19-02, 2100 UTC, AM	

5509 kHz, 19-02, 2111 UTC, AM	Code word sounded like as "tang-ha-san"
3052 kHz, 20-02, 2100 UTC, AM	
5509 kHz, 20-02, 2100 UTC, AM	Code word sounds as "San-ha-san"
5038 kHz, 20-02, 2105 UTC, AM	
3023 kHz, 23-02, 0900 UTC, AM	
3052 kHz, 23-02, 0900 UTC, AM	
5431 kHz, 23-02, 0903 UTC, AM	Code word sounded like as "kok-kei-san"
5500 kHz, 23-02, 0903 UTC, AM	Code word sounded like as "san-ha-san"
5240 kHz, 23-02, 0905 UTC, AM	Code word sounded like as "kok-kei-san"
3045 kHz, 24-02, 2100 UTC, AM	Parrot
5499 kHz, 24-02, 2100 UTC, AM	Parrot
3072 kHz, 24-02, 2102 UTC, AM	Parrot

## VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

4452 kHz, 10-02, 1316 UTC, USB  
 4960 kHz, 10-02, 1316 UTC, LSB  
 4452 kHz, 17-02, 1209 UTC, USB  
 4452 kHz, 17-02, 1300 UTC, USB  
 4452 kHz, 22-02, 1334 UTC, USB  
 6354 kHz, 24-02, 1300 UTC, LSB

## MORSE STATIONS

### M01

This M01 is always very weak and sends in USB. It has a weekly Sat/Sun schedule on 9566 kHz at 0715 UTC.

#### 9566 kHz, 04-02/05-02, 0715 UTC

475 263 263 50 50 = =  
 70298 39867 19334 13819 68813 91530 97530 96933 09968 87450  
 43743 57292 49895 66355 37669 73355 47262 49806 97629 87807  
 75242 42569 71187 17952 38258 27666 44932 17936 48059 01886  
 10860 23077 40294 09792 47912 41855 25474 26535 35680 78504  
 28650 19495 02892 33162 43456 68194 16564 04067 17826 61650  
 = = 263 263 50 50 000

#### 9566 kHz, 11-02/12-02, 0715 UTC

475 801 801 50 50 = =  
 87486 59819 81981 78466 75783 11292 19283 71267 84984 39121  
 01022 91983 57573 57239 81989 81753 85717 82921 09101 01298  
 91478 35678 87638 12928 21781 87178 14939 28235 12091 20124  
 03180 21921 86568 74539 04210 12018 93787 68574 21021 90153  
 32829 39418 71781 87128 29218 36788 76538 74198 92101 01901  
 = = 801 801 50 50 000

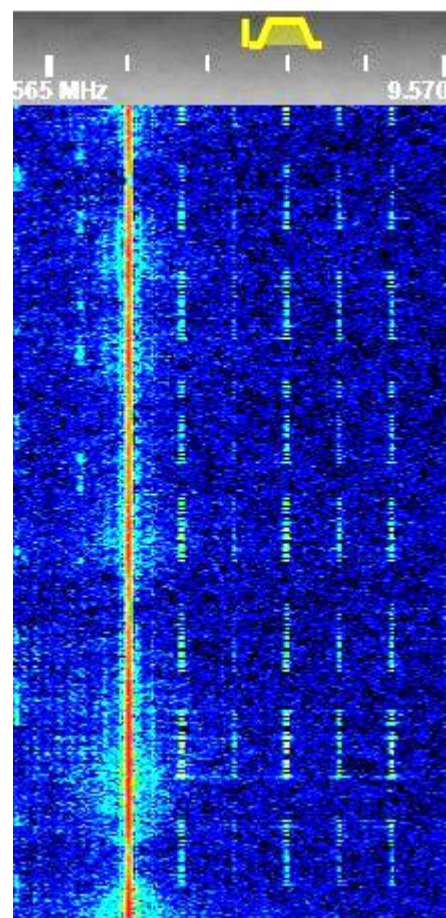
#### 9566 kHz, 18-02/19-02, 0715 UTC. Extremely poor signal, as always.

##### Different repeats in red

475 900 900 50 50 = =  
 11042 62444 55272 78215 14492 **14922** 41492 41836 76491 86040 43825  
 20073 79901 67002 20098 50156 43936 15185 01292 **011292** 38060 88407  
 09300 70658 61294 12006 52732 48248 42496 65607 77412 58373  
 72925 03719 01851 39483 48022 87031 91263 09461 64472 80863 **6808 6808**  
 06460 88986 30776 06114 65798 37208 75922 79886 97001 63292  
 = = 900 900 50 50 000

#### 9566 kHz, 25-02/26-02, 0715 UTC

475 110 110 50 50 = =  
 largely unreadable ... 86673 11152 14232  
 110 110 50 50 = = 00000



**5320 kHz, 02-02, 1800 UTC**

197 891 891 30 30 = =  
 64789 10928 48789 37488 10900 37628 45576 30989 11232 39098  
 47658 49890 47656 34433 26567 48676 59099 25432 35465 15456  
 46576 38789 47677 30900 14234 46567 10908 36456 38723 35343  
 = = 891 891 30 30 000

**5810 kHz, 04-02, 1500 UTC. Running all groups together. Many mistakes. Another mess**

197 643 643 30 30 = =  
 76856 76856 35462 35462 46738 46738 24165 24165 80795 80795  
 47563 47563 84635 84635 35275 352 57684 67684 68674 68674  
 62435 62435 62176 92176 99472 59472 50897 50897 54869 24869  
 22857 62857 62645 42635 48572 18572 18598 08598 08462 68462  
 62938 52938 54958 74958 71254 16253 75643 75685 76386 21352  
 58596 78736 27324 81644 8164  
 = = 643 643 30 30 0..... 0..... 0.....

**5465 kHz, 05-02, 0658 UTC**

VVV 197 845 845 30 30 = =  
 87967 65748 64756 90890 23453 65846 65867 23143 87058 76875  
 54637 98768 34254 67487 98098 87950 09657 45654 34254 31234  
 65768 34153 65867 45365 24312 67587 54657 34546 87697 45637  
 = = 845 845 30 30 000

**5320 kHz, 07-02, 1800 UTC**

197 813 813 30 30 = =  
 57185 65843 80561 81654 89856 32843 58185 69050 89007 37621  
 65463 17801 37621 96087 33775 27442 20218 04377 14001 47837  
 85735 75756 84944 37784 66789 47374 64532 00983 35441 73654  
 813 813 30 30 000

**4490 kHz, 07-02, 2000 UTC**

197 997 997 30 30 = =  
 14061 86999 89426 67818 17601 76675 21578 64415 33386 27840  
 38181 88651 12858 76472 68627 65693 37338 30584 24052 57749  
 49412 46465 58894 11462 14125 70846 45374 27418 38894 44342  
 = = 997 997 30 30 000

**5320 kHz, 09-02, 1800 UTC. Running all groups together. Many mistakes.**

197 321 321 30 30 = =  
 45364 47564 (47563) 16253 78698 65746 98079 57487 35464 36254 35265  
 76856 36452 86756 38675 38675 19784 38275 57483  
 5746978569781546313867588686787879677898098976089056487567253451546354  
 56376 25354  
 = = 321 321 30 30 0..... 0..... 0.....

**5810 kHz, 11-02, 1500 UTC**

197 563 563 30 30 = =  
 75893 09176 15267 87165 98151 13165 01534 76473 98165 87154  
 75647 (75646) 15415 81762 71651 09176 15413 65143 44761 91765 13241  
 81761 33141 66115 76154 01981 81625 15141 81716 61541 09176  
 = = 563 563 30 30 000

**5465 kHz, 05-02, 0658 UTC**

197 812 812 30 30 = =  
 64826 09171 61526 17616 87161 15261 01871 71615 01765 11341  
 71651 07986 77161 15141 01871 87165 36526 17265 16281 81654  
 81761 65445 81658516524 624 016096 27615 11425 12981769176 091798711651651  
 = = 812 812 30 30 000

Good start but a mess after group 28.

**5320 kHz, 16-02, 1800 UTC**

197 321 321 321 30 30 = =  
 35813 94761 25901 37640 03813 65385 46905 31603 85418 31751  
 74813 28704 01641 28512 64951 28631 49481 73194 85916 42815  
 26915 40691 31681 50417 28395 94716 29406 51715 26281 39561  
 = = 30 30 321 321 000

**4490 kHz, 16-02, 2000 UTC**

197 913 913 30 30 = =  
 53590 42815 60917 28361 42905 29531 64816 73095 06817 95307  
 30604 71817 28947 01694 72093 64905 31725 52307 94816 28302  
 31617 95402 13602 27915 60804 94713 28906 13591 63816 95716  
 = = 30 30 913 913 000

**5810 kHz, 18-02, 1500 UTC**

197 305 305 30 30 = =  
 80900 13243 47688 50989 37645 17656 28879 39840 47687 36456  
 60989 46534 14232 37650 57688 59834 24232 15433 47688 49090  
 59890 12321 35465 38787 50988 47654 69878 10198 09878 46655  
 = = 305 305 30 30 000

**5465 kHz, 19-02, 0658 UTC**

197 364 364 30 30 = =  
 46576 14233 47689 50969 68758 25342 34455 10990 47567 40989  
 57688 19877 36546 27678 23432 46535 10908 47587 68756 19820  
 46576 12332 45345 17678 59890 46576 55664 68799 46533 11223  
 = = 364 364 30 30 000

**5320 kHz, 21-02, 1800 UTC**

197 713 713 30 30 = =  
 26713 49814 07305 92064 28301 08713 49731 84016 07301 95604  
 29840 09386 42915 84610 01384 63985 20683 61516 81591 84702  
 06504 49604 83107 73407 03630 29615 84031 01720 95285 91685  
 = = 30 30 713 713 000

**4490 kHz, 21-02, 2000 UTC**

197 630 630 30 30 = =  
 31572 94816 49715 29905 51819 42859 19201 27618 95302 74816  
 35184 92716 51813 20308 06904 71502 39561 62050 93404 27315  
 20891 31745 28603 94512 40930 08614 92712 60805 38092 06342  
 630 630 30 30 = = 000

**5320 kHz, 23-02, 1800 UTC. Different repeat in red**

197 716 716 30 30 = =  
 36517 75847 87165 71651 87165 35425 09176 37527 98165 09176  
 75648 65749 25416 01871 66154 88165 51426 61541 98176 **98186** 07967  
 85761 46376 87165 35635 11653 34671 98171 98163 15436 16517  
 = 716 716 30 30 000

**4490 kHz, 23-02, 2000 UTC**

197 362 362 30 30 = =  
 84763 91881 01811 73661 80181 28721 03946 18724 11635 87965  
 75846 44154 87166 08970 57689 35426 61551 65154 61541 51541  
 87165 35426 87161 26517 98161 37627 71625 87165 98165 26514  
 = = 362 362 30 30 000

#### 5810 kHz, 25-02, 1500 UTC

Ran all groups together, Fair till group 17, after that a mess. Different repeats in red. Many groups were not repeated

197 967 967 30 30 = =  
86756 86756 23123 **32123** 54657 **45667** 90980 90980 65768 65768  
34254 34254 43536 **43546** 21324 21324 54365 **45365** 87986 87986  
80970 80970 79890 79890 78698 78698 65764 65764 43545 43545  
12323 12333 24355 35453 **53453** 64567 **58767** 65746 **65748** 76878  
73423 34354 54900 80979 08778 65766 64536 546  
= = 967 967 30 30 0..... 0..... 0.....

#### 5465 kHz, 26-02, 0700 UTC

197 546 546 30 30 = =  
34254 54657 21323 87980 54657 32434 21324 13232 14234 54637  
65745 45354 77878 80908 70987 65768 45365 34254 21213 43546  
54657 43546 87909 76879 65768 54657 43524 76879 54657 43546  
= = 46 546 30 30 000

#### 5320 kHz, 28-02, 1800 UTC

197 117 117 30 30 = =  
12356 12365 78923 35465 87632 80943 56723 67823 76554 79821  
68723 68743 09823 56723 67834 75612 76523 98745 09843 67856  
89032 45667 98067 79823 53456 34589 53498 53467 45667 98756  
= = 30 30 117 117 000

#### 4490 kHz, 28-02, 2000 UTC. Errors in red

197 424 424 30 30 = =  
56732 65498 75643 32190 53478 24367 64532 98034 67523 97843  
56732 67834 75634 68532 57698 32542 54621 56453 86539 68316  
65454 75645 67854 35467 65789 **1673** **2386756** 86756 94058 54637 58675  
30 30 424 424 000

## M12

17415/18215/18715 kHz, 0800/0820/0840 UTC

#### 17415/18215/18715 kHz, 01-02/06-02, 0800/0820/0840 UTC

427 427 427 1 434 224 434 224  
93523 00383 51287 35424 39539 54867 43825 28191 75541 29038  
53456 59413 21214 93124 45606 74406 75630 31211 86020 24723  
48025 97538 30854 44237 04803 97370 20586 78857 03750 31493  
36254 64582 25348 69105 84997 22416 16180 55450 68308 56944  
90431 12285 24430 23133 56493 95001 05154 29057 14353 36404  
29923 55516 74969 07948 88589 68926 16814 76155 12502 26356  
64923 63278 26652 04215 15882 38324 69553 91078 15189 48466  
46860 41015 22351 37330 49467 77247 49534 92787 14190 46331  
16288 93555 56797 34995 01697 56080 47416 06945 33917 76272  
42013 41363 03613 51754 75356 52682 29842 05055 99170 72694  
00539 01401 20594 44028 22491 70103 29741 11494 11519 61894  
08208 88457 55652 63862 57829 75266 86312 53538 99407 80252  
01478 93447 04921 74403 89933 63017 68903 01828 39982 88001  
27717 43715 25832 05057 95676 17419 90407 06963 94200 44250  
71167 60939 83973 78341 11823 73148 11924 47662 87810 78318  
92038 13267 08229 68914 70726 77560 37720 78485 92590 88414  
00280 03552 77531 95195 32288 38938 82267 67179 17202 36268  
13304 95262 20190 54442 31635 97853 25847 60395 06852 83345  
44815 12605 64454 80167 24221 44696 73192 07288 38507 41696  
81679 92467 17216 16853 37882 59146 61205 54088 10490 09044  
63372 82449 52328 90038 58021 75946 05792 74315 02046 16887  
21515 08729 51337 01228 96144 11988 37415 54347 41781 60526  
21193 93945 59273 09119 000 000

**17415/18215/18715 kHz, 08-02/12-02/15-02/19-02, 0800/0820/0840 UTC**

427 427 427 1 420 248 420 248

73575 78477 81637 47718 06575 62353 41277 25317 44879 00173  
92713 80639 62670 30640 91998 19652 74322 78486 18033 12885  
85157 68150 28152 97826 26561 83815 99724 29358 68322 56103  
27538 61362 28588 11701 12405 43735 41962 50090 69456 99800  
24486 36474 14793 17702 36677 60039 48662 10874 60118 37126  
76215 66984 47808 92190 96598 24471 77556 61200 48372 71412  
89698 01281 76784 35484 84592 87341 65182 35770 06028 21472  
34906 94225 96170 06324 24706 00591 27040 54864 78909 33928  
47059 84358 54922 34819 22976 69739 43974 03668 42345 91478  
27356 54846 55936 87081 06177 67613 37074 96782 49746 08227  
45852 56998 85895 19786 28560 86051 45469 48711 55490 14099  
72173 89452 16525 36941 89739 95340 16275 09224 73760 47830  
21712 86805 42004 91675 94600 98160 22679 87521 09237 87942  
39781 75187 83163 17235 58663 24555 36395 81851 09745 37361  
98652 18367 39055 50813 99274 81187 85754 85763 43549 62558  
49160 67931 78432 28003 54525 12309 42117 48400 90638 82594  
76368 35170 65385 43635 04093 12240 65517 62655 93446 73791  
98204 27008 10095 98150 64570 32388 05631 22734 12660 13505  
01211 64726 11363 16583 45848 74298 99375 04703 46408 59582  
89325 19852 81944 80552 21977 75641 58923 06724 76376 53627  
54428 11246 86082 07546 72026 31664 05296 19450 97459 72643  
67410 26414 57943 83123 89136 48181 85286 15071 71764 99555  
24262 06080 27192 93240 85724 50232 98446 51730 38822 07395  
17552 12785 94963 68951 63465 21509 91615 06984 47812 04094  
42767 59106 97102 96962 91464 92801 33260 38150 000 000

7674/6874/5774 kHz, 2000/2020/2040 UTC
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**7674/6874/5774 kHz, 01-02/03-02, 2000/2020/2040 UTC**

687 687 698 1 361 197 361 197

54245 53869 89879 20751 66227 49622 11208 78334 59604 91465  
24620 03483 57658 82530 61455 34608 16552 35386 34880 30644  
97625 51143 99289 12725 49771 33250 08331 01633 47738 92084  
97206 87439 33802 29016 18146 65324 89924 46570 57982 36644  
55447 19450 44935 01373 39498 47786 24878 02244 58460 01608  
31212 28086 50398 83648 87694 16218 40050 17367 66699 33088  
54154 59014 32627 85495 97034 58865 84815 58764 16129 06400  
88236 74561 14214 98616 20395 60250 76758 54907 80074 90838  
74522 53926 02519 28758 08630 83887 85037 05993 19369 12686  
06731 12262 69787 06350 29752 79857 36421 19457 17361 89407  
72027 16428 83172 75362 64866 71989 62956 86286 51910 24252  
08291 67525 65406 64814 17397 71252 99230 89434 50490 01662  
93600 34153 60516 28366 19909 93371 50864 66321 02180 50113  
76112 20697 41738 47426 58171 81623 86820 24292 14485 77475  
00119 02998 59630 29691 94269 52182 01934 04089 92730 28368  
61064 63389 95130 29221 62782 08678 60694 95569 82638 99290  
83916 98474 13014 61498 11887 07097 18772 31150 12513 12194  
27861 11505 14489 90184 90290 37447 43243 19424 29453 44527  
54106 09890 31284 73048 60564 49112 13940 29679 99753 34811  
10425 34298 74539 42497 74386 73298 16312 000 000

**7674/6874/5774 kHz, 08-02/10-02, 2000/2020/2040 UTC**

687 687 687 1 158 201 158 201

53023 91570 20805 53162 27280 48365 38622 18161 50687 62958  
07010 48692 61545 22371 62122 72149 22725 41541 96532 21880  
65969 62636 88744 44506 66987 01866 45020 55933 53151 04560  
09109 76127 66575 95000 81466 72541 52669 71507 24938 98086  
88446 89022 90401 90599 48579 82014 37490 58863 87865 42151  
63410 88632 72721 58152 07945 93112 35057 04315 78373 74629  
92835 37542 71508 90875 46762 50418 87788 08849 31255 50100  
54629 05852 54819 28612 31683 44395 51428 45825 33507 25779



75971 88425 93482 72279 88060 73736 94111 77941 11033 56360  
75430 28119 21599 76692 23481 22442 67289 57471 19217 96548  
86720 35056 68192 52405 78003 13527 54892 07122 14658 26880  
18546 66671 73551 52900 54183 91046 12331 76571 05728 07213  
28594 22732 45568 36210 06952 69106 31720 67721 43075 78421  
40361 00959 42376 22000 84103 16640 35441 20643 66244 88660  
09186 70822 67269 25804 50798 12413 14123 05677 93942 77548  
28410 91537 66393 76430 31950 37892 66510 87846 59990 22402  
94038 75373 17126 85155 15149 39639 09337 63104 72527 09381  
94471 21635 60343 36440 33004 86296 03653 52827 39465 57764  
17400 41866 28764 24816 07534 20214 61408 78326 02152 03168  
16788 77709 61059 57643 47844 19192 07666 25550 65966 78880  
99308 000 000

**7674/6874/5774 kHz, 15-02/17-02, 2000/2020/2040 UTC**

687 687 687 1 8840 96 8840 97  
90279 07650 72961 99410 88202 11622 28936 99270 49935 65527  
32034 32904 03862 57495 10069 94252 58553 19073 23225 75390  
30648 75296 67030 87141 28091 46938 18052 75852 76904 73938  
70997 91917 54289 02785 93190 77543 62992 03493 03503 06695  
86299 74678 89389 77023 41319 17892 11444 86142 44900 02838  
58908 49927 01016 29511 30626 71814 76408 42938 64547 82043  
35441 93195 33676 15529 30971 39247 23206 45746 27648 05482  
76206 22213 91880 92531 41034 00571 26811 62080 72499 31609  
63390 57331 08273 29109 76707 07352 89495 40995 86499 23658  
10064 39254 53650 36906 80376 57064 67426 000 000

13386/12189/11491 kHz, 1110/1130/1150 UTC
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**13386/12189/11491 kHz, 02-02, 1110/1130/1150 UTC**

725 725 725 1 6739 92 6739 92  
07495 12456 59587 27712 02576 71865 79818 08838 29807 88525  
47792 72627 04808 51396 49439 04408 86501 92890 72557 71822  
65551 43391 38648 38788 23499 13951 96181 30996 68887 95164  
94939 30669 03871 76825 28812 34629 52212 56888 34396 20069  
27811 05815 94463 81756 08941 85959 33926 84002 98629 90657  
13509 47492 56222 54205 40736 21742 88378 08932 09076 25403  
47693 06136 20964 62432 74975 40963 67718 02437 46569 99330  
01075 08839 06500 53883 38058 19386 46553 56957 13047 70554  
50407 20494 15074 40965 84311 07681 03730 31581 42006 62293  
61895 17386 000 000

**13386/12189/11491 kHz, 09-02, 1110/1130/1150 UTC**

725 725 725 1 1593 91 1593 91  
98656 63102 55340 52791 64951 49060 98428 61931 08298 94359  
08915 49142 73402 71164 33480 81961 05479 18273 69513 73271  
82715 74116 39421 18701 88327 38243 49253 78312 67100 75292  
96252 98441 81671 36884 24574 17329 85223 86634 84994 50386  
06459 41411 25143 29333 70545 84539 03459 11739 71522 32561  
66949 01000 95120 81641 11046 55322 69913 33968 01639 10213  
26050 46484 57884 06096 41950 04754 42189 98419 78123 32888  
59358 06449 99939 25984 12908 50727 76869 59608 33919 89720  
73047 30262 09272 30244 39891 72700 62419 35395 46088 41296  
77387 000 000

**13386/12189/11491 kHz, 16-02, 1110/1130/1150 UTC**

725 725 725 1 3437 90 3437 90  
41850 99275 91375 23464 24458 25664 53600 56015 59084 90529  
30057 06277 32529 54260 63308 34619 20461 53130 84231 24788  
47923 06964 69075 38904 22951 10085 86824 40121 93584 83577  
45636 18302 05005 91721 36695 87012 74301 39562 57101 33525  
75254 88777 47184 51981 95195 55581 51864 22763 52798 85266  
13605 14209 22862 29531 34356 78117 92929 15702 79760 23175

90942 70147 32020 93660 71404 36744 36468 93491 13329 58460  
86467 75809 13604 68440 68749 37108 51035 62780 44400 77382  
73054 99073 93713 92347 40536 14731 64391 11595 71040 07261  
000 000

**13386/12189/11491 kHz, 12-02, 1110/1130/1150 UTC**

725 725 725 1 3033 93 3033 93  
22074 63774 67774 72747 69173 91171 74443 30682 26661 79801  
42696 30235 42057 22331 75924 02566 03167 47570 27337 06088  
45584 93346 05564 11383 47629 91554 31682 58228 04119 62685  
83253 69294 77892 98749 39002 06422 75796 09145 56270 25180  
74282 92123 04967 20831 97383 76399 45525 22976 87805 16598  
27760 91344 28139 58715 90173 29232 00306 77915 18423 95409  
29449 16038 08024 25162 79564 16833 64239 06914 17525 37281  
44882 33807 57692 56623 65911 03201 34929 16315 67939 30609  
61955 85671 91795 18400 92466 86528 97214 14370 60696 50098  
46500 46297 29382 000 000

<b>19373/17473/16173 kHz, 1400/1420/1440 UTC</b>
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**19373/17473/16173 kHz, 02-02, 1400/1420/1440 UTC**

341 341 341 1 433 109 433 109  
65736 06845 69162 41271 45409 58161 84864 92063 91565 09961  
58843 90563 60619 58164 04520 98968 42985 98746 03683 51155  
64258 37189 59428 13020 30175 55923 43939 90950 85298 56537  
36142 81843 82644 18061 89687 49337 63495 50797 45144 55627  
20454 62125 64467 61419 12042 00254 39172 35929 05865 53049  
56561 28260 50010 04430 29443 64807 64849 52129 14117 83232  
15845 42251 11596 10704 28389 83686 04314 13023 09214 42344  
14017 36710 62152 78017 02941 67401 53530 08479 54494 11401  
59226 58827 59246 07949 03146 90626 21750 33324 19505 34693  
75735 64630 78962 89353 20702 70391 29346 57503 58542 48408  
57315 45442 04105 04688 57693 78148 05869 65861 15575 000 000

**19373/17473/16173 kHz, 09-02, 1400/1420/1440 UTC**

341 341 341 1 7632 97 7632 97  
57727 66127 60508 48344 85591 20702 56939 69028 87552 58896  
07247 00849 62392 44413 16809 92158 51615 62524 11026 86937  
99795 17922 07107 96311 22404 81207 23357 07828 65128 82264  
75280 30357 36131 49103 82137 35856 70135 54911 08452 22343  
45896 54273 06931 48548 88556 79215 50360 71094 88848 61254  
49300 69565 29302 31050 66737 27032 05090 48359 54424 56914  
82883 40263 64816 87254 20847 78611 78260 76583 88065 39515  
93061 20780 31862 64875 30242 10782 08664 98920 17439 84406  
38900 08160 03785 38731 21088 13896 37694 68184 01490 34387  
56023 63202 44010 42868 34343 64168 45317 000 000

**19373/17473/16173 kHz, 20-02/23-02, 1400/1420/1440 UTC**

341 341 341 1 5998 173 5998 173  
89610 51253 45394 54914 54097 45900 89215 43046 60028 92367  
72362 22243 94458 52080 88548 88957 26658 63942 23090 16344  
23549 86913 74409 77093 84580 82402 43680 82992 90168 90893  
87222 91525 32890 38061 62275 12926 60476 17995 90814 33103  
07750 73174 96846 10350 62624 00805 55979 70208 44658 99908  
20728 03045 68507 59468 76852 79960 04118 06419 66220 07942  
94408 13854 87027 74409 05060 41058 70338 80662 52078 83841  
22429 08195 63526 21923 36059 86216 97363 19337 24400 96884  
26103 84327 35529 33247 93352 45000 21258 37045 17904 73410  
11726 22112 72443 53963 82560 94615 18284 45698 91148 80497  
39815 73469 56005 83600 59383 74216 90885 63598 36535 94477  
97020 94040 28695 07702 17185 51481 34970 37141 98441 42152  
61899 60100 18007 70298 13586 29618 56353 69796 66699 61662  
72755 56693 82376 70387 54025 07843 12054 91757 29554 83680

61094 99383 15884 56610 96803 58321 81265 92523 21724 50541  
22191 51836 33650 43005 38280 42055 44528 99779 97994 30102  
33662 46462 73298 24898 82253 90224 62387 08058 50386 20852  
32189 17914 48873 000 000

5832/6832/7732 kHz, 2200/2220/2240 UTC

**5832/6832/7732 kHz, 03-02/04-02, 2200/2220/2240 UTC**

887 887 887 1 141 120 141 120  
98963 54961 54511 12578 49701 64793 83972 46580 71956 50679  
40960 29071 76732 75159 88848 99118 64572 33086 78818 12861  
88072 14374 75246 92183 48747 92813 78684 90509 76290 98819  
93288 13225 49823 15251 42270 90448 54276 90335 81620 59694  
48525 00767 36289 14504 84571 05272 79937 49626 40041 87131  
50560 12376 30576 97955 64469 93048 66555 54446 39023 18629  
01923 07592 98606 02762 83119 53171 83104 95742 52263 40600  
31861 15621 88327 49767 80224 46815 51159 55296 53049 33806  
65518 76287 63555 99823 86557 29011 35470 34468 26094 78166  
05087 76085 58713 71700 35709 66481 63784 15979 40016 77981  
18369 34804 93608 74811 83220 02694 84632 21437 22821 08459  
45803 68022 50469 42495 94466 74474 17982 69119 23727 69916  
000 000

**5832/6832/7732 kHz, 17-02/18-02/24-02/25-02, 2200/2220/2240 UTC**

887 887 887 1 213 106 213 106  
49740 64763 18182 39344 27796 07317 00752 29656 37712 21085  
43893 99918 94162 74659 77254 88630 76114 71138 48423 23720  
43471 04946 34110 94476 37595 66800 49245 39071 27970 21290  
87476 48572 44802 80200 29707 02430 46957 77455 50014 31745  
43398 87043 61088 86243 12814 39175 36703 74972 52238 43450  
33476 40140 02287 68505 41012 06749 48326 89917 53400 90265  
12997 09300 16487 12094 04896 74278 81858 99078 95053 80115  
35374 89475 05289 28268 45554 30427 15229 10383 79030 52001  
72012 85288 35583 94036 48034 94906 66189 55946 23233 48921  
63833 53831 42982 00782 04523 52886 53412 56686 14681 28263  
94163 08408 61535 55973 08098 11619 000 000

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

**11435/10598/9327 kHz, 04-02, 1800/1820/1840 UTC**

938 938 938 1 2856 72 2856 72  
79118 58745 83482 49200 15461 91557 25673 25978 47225 07182  
15130 14409 42262 26649 90426 43111 10736 74371 70984 15593  
30683 11975 83397 35905 73931 80674 97277 03894 54612 46010  
66545 01364 05126 01616 06959 37806 10478 32727 90254 03352  
30849 96942 33292 90443 73336 04319 93373 02078 63294 67224  
08814 06479 43852 90562 70666 40480 22168 05122 47274 35775  
62507 02240 92576 21161 48238 97813 83734 06198 82622 11412  
14050 70227 000 000

**11435/10598/9327 kHz, 11-02, 1800/1820/1840 UTC**

938 938 938 1 5283 79 5283 79  
29654 62263 51245 62730 28199 95985 45374 00558 70746 40944  
08827 48755 13418 07504 56143 10625 95534 56100 23906 46655  
65999 47395 32405 57073 36492 27079 44178 46549 82246 98850  
65821 00976 66690 91720 91674 14922 48572 95857 37883 16237  
81541 48070 60641 81871 32147 13843 42553 32057 05151 30364  
97423 69170 10635 44118 50390 81633 10194 77317 41356 08797  
88289 83525 52738 08698 71934 37820 93755 27395 31062 13065  
12810 69836 14215 15285 35635 51212 97269 65658 39834 000 000

**11435/10598/9327 kHz, 18-02, 1800/1820/1840 UTC**

938 938 938 1 4676 76 4676 76  
84916 12807 54007 65125 56005 71411 05859 31023 40797 31547  
36741 24959 97786 96513 55991 58122 66937 38346 82533 62927  
65402 87735 43622 37402 03144 20654 28855 01809 61982 56200  
88896 34050 81183 54172 18316 93218 67555 40981 61200 59056  
14589 94636 01873 05638 55255 05210 02747 12766 93511 42579  
02761 62928 31526 83392 87068 29141 79510 74131 92572 87352  
18641 32178 60510 46418 42082 52240 45519 93007 53444 87367  
23168 98715 09664 04311 05342 07544 000 000

**11435/10598/9327 kHz, 25-02, 1800/1820/1840 UTC**

938 938 938 1 2503 75 2503 75  
47551 00494 15179 33461 10222 95743 85684 26541 38019 63249  
87133 35222 42966 68237 77948 30126 63354 04241 63327 08443  
70961 17650 34065 19415 15810 44777 46688 63633 38738 23765  
04292 21767 70885 78179 73082 38438 16016 03666 46066 39881  
41978 73479 37475 09615 31415 13428 39614 97339 69973 71206  
32727 27817 49285 30236 26328 42688 90455 02341 29164 76129  
69843 79433 00037 35634 06814 34771 71481 02927 17001 18781  
20878 90609 21725 95117 15352 000 000

12205/13559/14728 kHz, 1230/1250/1310 kHz
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**12205/13559/14728 kHz, 06-02, 1230/1250/1310 kHz**

973 97 973 1 1440 61 1440 61  
22070 85328 19580 03217 98089 83215 78869 37419 30433 18402  
31037 42271 42260 20896 29024 84648 09292 58484 15504 08731  
09449 31799 05890 40345 45045 72083 06337 04898 40594 57799  
05386 49082 11969 41510 02350 30099 05082 52562 14977 30800  
32599 81872 48081 50134 16899 52587 21086 80084 34738 23051  
29459 73604 56009 27123 49290 78506 12964 36598 44049 73736  
42716 000 000

**12205/13559/14728 kHz, 13-02, 1230/1250/1310 kHz**

973 973 973 1 2118 57 2118 57  
36240 91329 69177 34230 89726 51495 62909 02006 01017 53425  
51794 39984 76473 30186 13260 69651 16239 45955 12259 37273  
52653 18098 43462 14078 80525 91676 86816 99698 65070 87527  
86585 46394 01229 74203 17192 30817 15408 20961 25757 42773  
35586 15661 48222 57247 64591 50618 02183 69546 74357 43422  
60306 99670 09580 26395 52870 20027 15391 000 000

**12205/13559/14728 kHz, 20-02, 1230/1250/1310 kHz**

973 973 973 1 2253 63 2253 63  
96964 75709 72736 93287 97642 96999 23975 05498 63061 39552  
73118 29434 06807 32085 39290 66928 01362 82783 10057 05098  
19708 80202 69244 92188 15243 38710 06047 04273 79657 28508  
74116 57265 93002 99773 40341 18771 42622 55971 32523 48627  
31873 71695 70440 66877 49950 24117 21408 34995 48924 38116  
70852 31361 39523 55367 27922 50716 43049 13975 11272 43698  
84444 91627 24207 000 000

**12205/13559/14728 kHz, 27-02, 1230/1250/1310 kHz**

973 973 973 1 6966 60 6966 60  
31915 32595 25830 06946 30610 87250 86730 97850 44727 97185  
91671 24717 60997 68530 38442 93440 05480 69917 49783 34851  
11773 17252 90306 06190 68355 30608 45829 87648 86497 36712  
63845 28120 11267 41007 20601 04481 63571 16477 06347 73713  
16639 66824 73304 76556 77337 66234 66349 07175 47129 72309  
18245 42363 04588 00804 04791 05130 42232 74895 74545 02348  
000 000

19373/17473/16173 kHz, 1400/1420/1440 UTC

**19373/17473/16173 kHz, 06-02, 1400/1420/1440 UTC**

341 341 341 1 7632 97 7632 97  
57727 66127 60508 48344 85591 20702 56939 69028 87552 58896  
07247 00849 62392 44413 16809 92158 51615 62524 11026 86937  
99795 17922 07107 96311 22404 81207 23357 07828 65128 82264  
75280 30357 36131 49103 82137 35856 70135 54911 08452 22343  
45896 54273 06931 48548 88556 79215 50360 71094 88848 61254  
49300 69565 29302 31050 66737 27032 05090 48359 54424 56914  
82883 40263 64816 87254 20847 78611 78260 76583 88065 39515  
93061 20780 31862 64875 30242 10782 08664 98920 17439 84406  
38900 08160 03785 38731 21088 13896 37694 68184 01490 34387  
56023 63202 44010 42868 34343 64168 45317 000 000

5734/6834/7634 kHz, 0030/0050/0110 UTC

**5734/6834/7634 kHz, 14-02/17-02, 0030/0050/0110 UTC**

786 786 786 1 278 204 278 204  
61213 63502 13647 84591 67588 46948 23397 31352 70463 67198  
59010 63543 16304 54879 34648 38474 67752 16490 79447 68639  
12325 16259 09919 46100 04343 57789 66990 55684 14091 81686  
12920 35332 57673 47778 69522 73278 05814 42024 42366 91687  
35836 22399 60429 97849 22935 32724 62196 62183 40471 90544  
10069 19163 57066 53163 30843 28985 17307 31627 86249 08827  
72652 58442 60894 03756 60293 12122 78558 20404 29936 07292  
80934 18541 43242 91003 77275 47444 66902 85676 55399 03333  
84287 22331 69932 24035 02577 72065 23642 80093 20953 16239  
82475 02355 98882 15053 39120 71984 84785 62812 22640 36615  
84573 63875 73674 36702 04004 56103 63666 60586 75206 38415  
07648 84076 27979 28037 69118 38212 62339 99060 45519 67718  
93696 86296 11027 94190 14641 72722 22441 65842 21750 16428  
26509 82044 75495 93686 82077 91111 00001 61673 02895 33057  
18347 97071 96631 70014 17247 44933 66692 03410 50347 83221  
50135 51428 21429 30428 80101 75581 70015 11519 16067 47050  
12870 45233 50828 79495 10213 54523 01872 69352 89050 67431  
72554 13458 47917 02887 42361 80605 35647 20057 77400 58142  
71239 85040 79217 27740 28176 70220 07620 52597 09162 82820  
66568 09161 57859 67304 77573 31733 06275 42320 16445 73426  
10368 66489 28929 11836 000 000

17437/15937/14537 kHz, 0300/0320/0340 UTC

**17437/15937/14537 kHz, 02-02, 0300/0320/0340 UTC**

495 495 495 1 9315 190 9315 190  
19703 24210 74198 02773 28838 90205 20237 85449 73770 93239  
96068 48612 26882 05758 55510 52752 34587 52981 50510 36585  
17692 56224 62251 78566 42815 09720 03732 27966 76155 21901  
09051 55289 85969 00743 58723 73183 25342 75217 22704 95234  
61263 39261 89652 05017 10329 03762 03609 86132 36051 10660  
73040 93904 33616 68545 23102 14524 66381 32040 00962 78152  
80562 54480 23852 47969 90855 54509 96013 07857 05156 97640  
18091 44531 32275 52560 64441 86193 32489 53058 89512 40851  
26806 32630 09369 15927 11211 68226 27442 47684 96280 03515  
67802 50409 25795 69291 95647 26574 61020 04475 07357 85143  
21021 63654 38409 61264 47858 46709 29696 80064 22568 48301  
52567 88215 25465 53250 55659 67155 40647 34622 29716 76202  
31207 90292 56280 53938 96237 94860 20822 28870 58931 34133  
91429 26988 60547 82778 57345 43212 98842 09495 90531 10739  
74932 80091 97647 74436 22116 95486 58779 63383 56723 24852  
19284 63556 98559 60944 97914 55720 72832 00301 10983 37853  
37993 03310 95134 23417 68223 98905 49135 91191 50231 61088  
29543 44992 09985 77110 14675 66826 05574 34747 62145 30064  
23631 09101 39103 40833 15868 40662 90412 02384 29992 80386  
000 000

**12211 kHz, 01-02, 0500 UTC****10243 kHz, 01-02, 0520 UTC. No transmission**

952 601 601 55 55 = =  
74663 36963 06317 44542 28810 20189 73873 84280 61400 73235  
92601 60544 31510 46140 61012 82458 42644 20864 86042 45433  
50449 43579 13279 26011 55673 83234 88523 33443 80819 08580  
11641 22698 53933 00823 68636 98581 47946 44133 52888 65660  
49032 61156 11482 03662 52403 85733 77572 73070 08981 90026  
74726 80566 71384 08210 04175  
= = 601 601 55 55 00000

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

952 734 734 57 57 = =  
53463 28507 27615 23203 29320 65569 23976 71092 53386 79986  
21482 60613 85462 35295 35444 31485 14944 07443 65500 56379  
52630 62615 78491 24072 90219 73441 83239 82059 57163 22012  
39398 49590 29569 63160 67586 37048 70845 46421 52961 32609  
08770 20134 59455 42134 78672 66099 96829 93211 87418 38246  
07754 39303 77879 03740 67092 24924 98580  
= = 734 734 57 57 00000

**12211/10243 kHz, 03-02, 0500/0520 UTC**

952 681 681 63 63 = =  
35465 48271 61464 23862 96040 73167 41259 25480 47728 01445  
91106 13397 62656 62459 76411 82779 32355 67364 95398 12030  
60238 65234 28470 53331 33079 94203 62664 98683 69928 19817  
52145 26110 71915 77771 00669 55730 21362 63243 76955 70390  
03649 33978 98917 80514 50280 19348 47661 37903 26572 52543  
97218 28126 12405 68100 70941 96227 49486 31955 60483 85420  
53549 96189 68327  
= = 681 681 63 63 00000

**12211/10243 kHz, 06-02, 0500/0520 UTC**

952 703 703 51 51 = =  
44584 57024 18257 34167 60316 38432 62769 62743 26528 52473  
79421 35947 30849 08456 45588 69833 74427 91496 58708 85842  
10722 75212 93474 65526 62901 27472 24368 31942 74547 82657  
80700 93638 73341 78868 26372 12181 52435 83494 81518 79145  
99176 55618 28244 13525 25894 18662 67623 15485 82407 41732  
20154  
= = 703 703 51 51 00000

**12211 kHz, 07-02, 0500 UTC. Several restarts**

952 481 481 52 52 = =  
21201 33066 30586 43067 24448 24011 99008 54364 30269 16889  
67699 46575 71338 03459 12423 58359 15149 67156 55209 99163  
80388 33718 61248 52435 46771 89102 72212 60970 75518 50617  
05679 42823 82666 02225 75375 11227 32394 29930 11893 96944  
42558 18215 Off.  
Back after 54 secs  
52 then 10 secs pause  
952 (R) 481 pause 952 (R) 481 95 4 95  
952 (R) 12 secs pause  
42558 18215 88585 96509 19627 93034 82330 94775 65189 25136  
23843 35224  
= = 481 481 52 52 00000

**10243 kHz, 07-02, 0521 UTC**

**FSK CW for a second before switching to ICW, off during callup then into preamble, then off again mid message**

952 481 481 52 52 = =  
21201 33066 30586 43067 24448 24011 99008 54364 30269 16889  
67699 46575 71338 03459 12423 58359 15149 67156 55209 99163  
80388 33718 61248 52435 46771 89102 72212 60970 75518 7 Off

**12211 kHz, 08-02, 0500 UTC. Off after 45 groups**

**10243 kHz, 08-02, 0520 UTC**

952 603 603 51 51 = =  
28746 19029 77063 11104 79464 31250 60890 91778 30291 21362  
85014 48501 35730 64218 10315 93650 72590 93441 27816 71973  
87725 33903 89882 60310 15415 82360 82138 70934 12803 78426  
47045 13193 86850 33045 95073 93131 11220 06694 64417 55799  
56544 54464 15178 99915 82507 80230 68954 19589 65190 67092  
29788  
= = 603 603 51 51 00000

**12211 kHz, 09-02, 0504 UTC. Started late with inverted morse. Off at 0505z**

**10243 kHz, 09-02, 0522 UTC. Started late. Off after 37 groups**

952 174 174 60 60 = =  
84654 65799 30074 12104 90022 65840 37981 98644 00232 16812  
54498 99583 46971 12203 97239 28842 04120 17762 51759 73243  
76088 81988 67758 92316 90566 68600 65164 67405 37848 21904  
04750 73541 23920 01021 02996 72500 29523 Off

**12211 kHz, 10-02, 0500 UTC. Carrier till 0505z then into M14**

**10243 kHz, 10-02, 0520 UTC**

952 683 683 52 52 = =  
37884 95205 70292 88517 20703 47281 35323 10666 85065 80465  
74409 53471 43675 35011 47481 84922 53152 52386 28757 25451  
37412 35941 28801 52008 76774 40178 59660 17457 73729 43336  
16498 52503 31294 82946 74165 42326 04919 59083 22162 55095  
13853 34962 86402 44582 22927 89595 11245 54036 30683 02187  
00206 13515  
= = 683 683 52 52 00000

**12211/10243 kHz, 13-02, 0504/0520 UTC**

952 710 710 51 51 = =  
01896 36257 90280 10954 89482 94883 95360 38565 51003 81821  
36779 29598 77333 26622 13150 06392 01532 76387 44037 62055  
40579 48227 51003 59458 59095 91584 87976 76807 65963 15108  
94368 66992 79803 57764 69382 22885 24225 08877 90954 65785  
38814 06775 27762 99200 16769 70746 17726 95145 05141 45980  
11469 = = 717 710 51 51 00000

**12211/10243 kHz, 14-02, 0504/0520 UTC**

952 486 486 51 51 = =  
01896 36257 90280 10954 89482 94883 95360 38565 51003 81821  
36779 29598 77333 26622 13150 06392 01532 76387 44037 62055  
40579 48227 51003 59458 59095 91584 87976 76807 65963 15108  
94368 66992 79803 57764 69382 22885 24225 08877 90954 65785  
38814 06775 27762 99200 16769 70746 17726 95145 05141 45980  
11469  
= = 486 486 51 51 00000

**12211 kHz, 15-02, 0501 UTC. Late start. 952 (R 13m), then off**

**10243 kHz, 15-02, 0520 UTC. Inverted morse. Unreadable**

**12211/10243 kHz, 16-02, 0500/0520 UTC**

952 478 478 51 51 = =  
57553 51200 35867 31232 42545 68246 50969 03267 21167 32818  
27117 30440 89127 32602 23529 87737 90764 11346 44163 96092  
11477 74729 85852 56826 18684 38918 99817 52982 37256 51486  
15010 59751 70359 39376 96690 31154 01650 63611 38714 55187  
39745 85421 12935 94617 90925 73493 24182 55597 70996 07012  
44239  
= = 478 478 51 51 00000

**12211/10243 kHz, 17-02, 0507/0523 UTC**

952 361 361 52 52 = =  
78498 88723 37548 35320 43236 57122 18218 07732 29021 96763  
30466 41435 71082 30943 01491 01012 10271 28635 74776 71925  
89120 53562 99175 24680 66370 05540 79411 86097 67125 40055  
17703 66171 10858 77002 01184 13918 84421 34509 14807 00670  
52273 48808 84437 54254 21096 66073 79792 92477 00993 17174  
31906 29372  
= = 361 361 52 52 00000

**12211/10243 kHz, 20-02, 0501/0520 UTC**

952 780 780 53 53 = =  
47256 14435 68418 89738 83174 58568 71839 20914 10850 63264  
63557 03788 62178 82306 59143 24012 79350 71403 35350 32895  
31686 15935 88595 33609 15384 73654 66215 31153 72122 11326  
68888 38285 87439 40401 47710 54588 54839 81304 44317 60880  
16554 11001 47522 96126 16914 73568 64893 09079 29337 58434  
32708 01797 42208  
= = 780 780 53 53 00000

**12211/10243 kHz, 21-02, 0500/0520 UTC**

952 461 461 55 55 = =  
20168 05402 21283 49172 55679 71685 34901 21126 99118 28991  
30875 92658 37264 32973 71244 67793 34351 00378 92642 69221  
76465 99805 03872 44935 98475 55078 46471 89808 85656 22131  
22953 05547 67212 25391 22413 47460 43888 64551 98179 31487  
16844 27705 77211 99914 09984 71753 05915 69219 02936 56049  
62075 08484 16864 40188 87591  
= = 461 461 55 55 00000

**12211/10243 kHz, 22-02, 0500/0520 UTC**

No transmissions

**12211/10243 kHz, 23-02, 0500/0520 UTC**

No transmissions

**12211/10243 kHz, 24-02, 0500/0520 UTC**

No transmissions

**12211/10243 kHz, 27-02, 0500/0520 UTC**

952 307 307 56 56 = =  
31591 89258 26013 33708 26107 54245 33189 81876 33766 53464  
68186 22765 24661 24858 33098 03732 95029 21861 31294 97655  
64418 92951 33967 79418 76842 81242 46776 02878 04402 36255  
37526 83014 76756 55107 10823 12943 84938 95271 40629 70469  
32903 26112 96682 93895 35279 11366 25683 31744 84741 39785  
73215 96090 37460 46097 57325 74212  
= = 307 307 56 56 00000



12211 kHz, 28-02, 0504 UTC. Off after group 15

10243 kHz, 28-02, 0520 UTC

952 140 140 52 52 = =

23640 75834 94197 19493 70888 65187 11881 89338 61556 97123

21487 71675 68097 20807 78289 65103 69711 38266 97585 46863

31390 43378 68361 34918 83060 61340 69405 62238 59764 93312

11287 80482 88809 95933 52665 35258 34837 50382 64340 80156

38723 00672 39504 21740 11282 65879 73618 12674 67676 55983

62353 35197

= = 140 140 52 52 00000

## ***M21 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)***

7450 kHz, 09-02, 0546 UTC. Logged by Mario

1000 1055 8752 46

1000 2055 8072 46

2000 290 110 0934

1000 3055 8073 48

1000 5055 8049 48

2000 570 109 0833

1000 6055 8053 48

1000 7055 8278 48

1000 8055 8386 50

1000 8055 8297 50

1000 1055 8264 50

2000 107 0109 935

1000 10055 8747 50

1000 2055 8086 50

1000 30055 8084 52

2000 470 190 8934

1000 4055 8094 52

1000 5055 8041 52

1000 6055 8044 52

1000 7055 8271 52

1000 8055 8284 52

1000 9055 8298 54

1000 1055 8263 54

1000 1055 8748 54

2000 170 110 0900

1000 2055 8081 54

400 1000 12??00

1000 3015 3078 06

1000 4055 3069 06

1000 5055 3068 06

1000 6055 3069 06

1000 7055 3211 06

1000 8055 3283 06

1000 9055 3258 08

400 09000 2??00

1000 10055 8222 08

1000 2055 3746 08

1000 3055 3087 08

## ***M23***

5345 kHz, 01-02, 0556 UTC. Hourly beep

5345 kHz, 02-02, 0456 UTC. Hourly beep

5345 kHz, 03-02, 0556 UTC. Hourly beep

5345 kHz, 04-02, 0656 UTC. Hourly beep

5345 kHz, 06-02, 0556 UTC. Hourly beep

5345 kHz, 07-02, 1456 UTC. Hourly beep

5345 kHz, 08-02, 0656 UTC. Hourly beep

5345 kHz, 09-02, 0456 UTC. Hourly beep  
 5345 kHz, 10-02, 0556 UTC. Hourly beep  
 5345 kHz, 11-02, 0756 UTC. Hourly beep  
 5345 kHz, 12-02, 0956 UTC. Hourly beep  
 5345 kHz, 13-02, 0756 UTC. Hourly beep  
 5345 kHz, 14-02, 0556 UTC. Hourly beep  
 5345 kHz, 15-02, 0456 UTC. Hourly beep  
 5345 kHz, 16-02, 0456 UTC. Hourly beep  
 5345 kHz, 17-02, 0556 UTC. Hourly beep  
 5345 kHz, 18-02, 0756 UTC. Hourly beep  
 5345 kHz, 19-02, 0656 UTC. Hourly beep  
 5345 kHz, 20-02, 0656 UTC. Hourly beep  
 5345 kHz, 21-02, 0656 UTC. Hourly beep  
 5345 kHz, 22-02, 0556 UTC. Hourly beep  
 5345 kHz, 23-02, 0656 UTC. Hourly beep  
 5345 kHz, 24-02, 0556 UTC. Hourly beep  
 5345 kHz, 25-02, 0656 UTC. Hourly beep  
 5345 kHz, 26-02, 0656 UTC. Hourly beep  
 5345 kHz, 27-02, 0556 UTC. Hourly beep  
 5345 kHz, 28-02, 0556 UTC. Hourly beep

No other transmissions found.

## ***M51a / M51b FAV22***

**M51b: 3881//6825 kHz, 17-02, 1854 UTC. Non-stop 5-character groups composed of M51a messages //3881 kHz**

GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF  
 TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL  
 UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ  
 WBCVX CHF DY ZUJAK 28678 JSKZI WGCPZ SKLQB WNDHR ZUYHF OKSLZ  
 WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR  
 10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ

VBCHD WJSYZ JKAOL JNXCD GCHAI WBNDH AOLDP JKSM A HJWKS HDGRY  
 MLJKI HJDLZ UJSGX VCDGR YUZKS WKAOL 63826 UJDKS BXNRY AKSLP  
 LKDH C VXKSU YZHSK QLAPM JKDLB NXJRT 63820 17362 XNDJZ WKQLA  
 PGHVL CLPEU DJSKA LWNXI UJFLB NCKFU ZIKDP SMZUH 29463 WBSJZ  
 LFHVD CBXYR SJAPJ NWKDP SKQIL ZUJGD XBSHZ UJSKZ WVXYT HDKAU  
 LKFHC VXBTD VPAKD JNXLS WBXYR DGZIJ 37284 TGDJX BSJZU WNXHZ

**M51a: 3881//6825 kHz, 18-02, 0759 UTC**

VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =  
 JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957  
 VXSGW ., 'AS VA QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI  
 10369 VXSUW 'AS?., TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ  
 MNKHJ 47850 BQTBS VAAS/?. XCZPQ MLHPI XASQW LCMEY RGS GW XCADQ  
 PLKMO ZXCVD 75301 XUWDL ./?.,= PLOIU BVDGW QTYRE ZXQWU PRUTY  
 BDGRT XCSRW OKRYU 85247 GRWTJ /?.,' FBFBI PLOIU VZBQI ETFGR  
 'AS./? NVDME 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ  
 BDGVX 50369 QAVNR 'VA+.? CBXZN MLFKE CALSD ETFUB +

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

LA COMMUNAUTÉ NATIONALE CONNAIT VOTRE COMPÉTENCE ET LES ÉMINENTES QUALITÉS NÉCESSAIRES À L'EXERCICE DU MÉTIER DES ARMES. ELLE DOIT AUSSI MESURER LES RISQUES QUE VOUS PRENEZ, LA PASSION AVEC LAQUELLE VOUS REMPLISSEZ VOS MISSIONS, LES RÉSULTATS QUE VOUS OBTENEZ SUR TOUS LES THÉÂTRES D'OPÉRATIONS. JE M'Y RENDRAI PROCHAINEMENT POUR MIEUX CONNAÎTRE, SUR LE TERRAIN, LES FORCES ET LEUR ACTION. JE M'INCLINE DEVANT LA MÉMOIRE DE CEUX QUI ONT DONNÉ LEUR VIE AU SERVICE DE NOTRE PAYS. JE TIENS AUSSI À ASSURER DE MA SOLIDARITÉ TOUS NOS BLESSÉS, QUI PORTENT DANS LEUR CHAIR LES TRACES DE LEUR ENGAGEMENT, ET LES FAMILLES DE CEUX QUI ONT ÉTÉ ÉPROUVÉS. +

CQ DE FAV22 VA

**M51a: 3881//6825 kHz, 18-02, 1018 UTC**

VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ

SAMEDI 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =  
QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156  
PLOTI /- .VA' QEWSR CZXSA NVHFK QWRET UGTIO VCB DG MLGKT ZXADS  
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMCKD ESVAZ QXDZA NBGHI  
WERQY 96358 BVNVD ?.,/' VCDFH LKJMF WRETC ZAQXW BFGEU PLROU  
CXFDE QWAEB 47859 BCDHE .+'AS/ EUFUS POTIY QWAES BCVDF ZCSQE  
QAWEV NVHFK LBPNO 45632 WESKD ./, ?AS QWAES VBDJK LPROF XCSVW  
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?+.,/ CVDFG XASZQ MWNGJ  
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK  
CVDFB +

SAMEDI 1 / LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =  
DEPUIS PLUS DE DIX ANS UN ORGANISME D'ÉTUDE LE CENTRE DE RELATIONS HUMAINES EST CHARGÉ D'ÉVALUER  
LE MORAL DES MEMBRES DE L'ARMÉE DE TERRE ET DE MESURER L'IMPACT SUR SES PERSONNELS DES DÉCISIONS  
MAJEURES QUI LES CONCERNENT, EN COMPLÉMENT DES RAPPORTS SUR LE MORAL DONT LA PERTINENCE N'EST  
PAS DÉMONSTRER. BUREAU DE LA DIVISION ORGANISATION-RESSOURCES HUMAINES DE L'ÉTAT MAJOR DE L'ARMÉE  
DE TERRE, LE CRH EST À LA FOIS UN ORGANISME D'AUDIT INTERNE, UN OBSERVATOIRE SOCIAL ET UN CENTRE  
D'ÉTUDE ET DE SONDAGE, UNIQUE EN SON GENRE. FÉLICITONS SES PERSONNELS. +

CQ DE FAV22 VA

## ***M89 - Chinese Military***

**5163 kHz, 15-02, 1925 UTC, i.p.**

AT63 AN55 7N76 UN5T D6TD 4A7N 5NAU 54DU ...  
AR K  
R RPT 22W UTT4 UTT4 UTT4 K  
R RPT 37W TO 39W BT UAN6 UAN6 DADD 376D 376D AR K  
R RPT K  
R RPT 67W 6AD6 6AD6 K  
R RPT 69W 55TN  
R U MSG GA K

**7877 kHz, 18-02, 0154 UYC, i.p.**

R U 7G GA K  
MSG GA K  
R AGN K  
NR ...CK ... RMKS .... TO 8640 K  
R QSL 1000 HR WK NR 1308 K  
R WK NR .. 251..

**8847 kHz, 18-02, 0149 UTC, i.p.**

43AD 3T67 576N N437 74N6 536N TA46 ...  
AR K  
R QSL 0949 K (Both stations on this frequency)  
R OK K  
R 7G NR 8060 CK 99 96 0218 0950 RMKS 2252 TO 2275 =  
65T3 634A A6D4 N4UD 6DTN D537 ...

## M95 - Chinese Military

4243//9054 kHz, 20-03, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB. Message i.p.

4243//9054 kHz, 20-03, 1152 UTC. M95: CW

VVV HR 7G TO YR PSE CY

NR 01 CK 42 49 0218 2100 =

756 DA.. U3 NN3 DU4 U63 T5D NAN T43 A66 A36 (running characters together – Very fast)

AR 7G AGN

NR 01 CK 42 49 0218 2100 =

756 DAD 3DU 53N N3D U44 U63 6DN ANT 43A 66A ...

AR A HR 7G GA

NR 004 CK 49 35 0220 1533 =

5AA UTT TUT 3A4 5T7 5TD 75U 353 4TA 447 346 N3U ...

AR 7G AGN

NR 004 CK 49 35 0220 1533 = (Repeats messagez)

AR A HR 7G GA

NR 40 CK 168 35 0220 1554 =

UTU TUT 3U6 3A4 TTU 773 35U N3D 353 4TA ...

4364//8073 kHz, 20-03, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 29-03, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 messages

4364//8073 kHz, 20-03, 1144 UTC, M95: CW

V BNGC (x3) DE XSV85 (X2)

HR MSG GA PSE CY

NR 0171 CK 419 35 0220 1538 =

TUT 3U6 3AN 3U7 TAU 773 353 4T3 NN3 ...

## UM04 - PROMRCh

4735 kHz, 01-02, 0800 UTC

VVVVV PROMRCh = 0102 =

1000 1040 1100 1290 1860

1200 1120 1080 1370 1950

1400 1080 1130 1300 1820

1600 1040 1090 1270 1800

1800 0780 0820 0940 1310

2000 0460 0480 0550 0780

2200 0380 0400 0450 0610

0000 0400 0410 0450 0600

0200 0410 0420 0470 0630

0400 0420 0430 0490 0650

0600 0390 0410 0460 0650

0800 0590 0630 0770 1130

= ABV

VVVVV PROMRCh = 0102 =

1000 1040 1100 1290 1860

1200 1120 1080 1370 1950

1400 1080 1130 1300 1820

1600 1040 1090 1270 1800

1800 0780 0820 0940 1310

2000 0460 0480 0550 0780

2200 0380 0400 0450 0610

0000 0400 0410 0450 0600

0200 0410 0420 0470 0630

0400 0420 0430 0490 0650

0600 0390 0410 0460 0650

0800 0590 0630 0770 1130

= AR

4735 kHz, 02-02, 0801 UTC

Error in the callsign

VVVVV **PRORCh** = 02 02 =

1000 1040 1100 1290 1860

1200 1120 1180 1370 1950

1400 1080 1130 1300 1820

1600 1040 1090 1270 1800

1800 0780 0820 0940 1310

2000 0460 0480 0550 0780

2200 0380 0400 0450 0610

2400 0400 0410 0450 0600

0200 0410 0420 0470 0630

0400 0420 0430 0490 0650

0600 0390 0410 0460 0650

0800 0590 0630 0770 1130

= ABV =

VVVVV **PRORCh** = 02 02 =

1000 1040 1100 1290 1860

1200 1120 1180 1370 1950

1400 1080 1130 1300 1820

1600 1040 1090 1270 1800

1800 0780 0820 0940 1310

2000 0460 0480 0550 0780

2200 0380 0400 0450 0610

2400 0400 0410 0450 0600

0200 0410 0420 0470 0630

0400 0420 0430 0490 0650

0600 0390 0410 0460 0650

0800 0590 0630 0770 1130

= AR

4735 kHz, 03-02, 0800 UTC

VVVVV PROMRCh = 03 02 =

1000 1030 1090 1280 1850

1200 1120 1170 1370 1940

1400 1080 1120 1290 1810

1600 1040 1090 1260 1790

1800 0790 0820 0950 1320

2000 0460 0480 0560 0790

2200 0390 0400 0450 0610

0000 0400 0410 0460 0610

0200 0410 0420 0470 0640

0400 0420 0440 0590 0660

0600 0390 0400 0470 0650

0800 0600 0640 0770 1130

= ABV =

VVVVV PROMRCh = 03 02 =

1000 1030 1090 1280 1850

1200 1120 1170 1370 1940

1400 1080 1120 1290 1810

1600 1040 1090 1260 1790

1800 0790 0820 0950 1320

2000 0460 0480 0560 0790

2200 0390 0400 0450 0610

0000 0400 0410 0460 0610

0200 0410 0420 0470 0640

0400 0420 0440 0590 0660

0600 0390 0400 0470 0650

0800 0600 0640 0770 1130

= AR

4735kHz, 04-02, 0800 UTC

VVVVV PROMRCh = 0402 =

1000 1020 1080 1270 1830

1200 1120 1170 1360 1930

1400 1070 1120 1280 1200

1600 1030 1080 1250 1780

1800 0790 0830 0950 1320

2000 0470 0490 0570 0800

2200 0390 0400 0450 0610

0000 0400 0410 0460 0620

0200 0410 0430 0480 0640

0400 0420 0440 0490 0660

0600 0390 0410 0460 0650

0800 0600 0640 0770 1140

= ABV

VVVVV PROMRCh = 0402 =

1000 1020 1080 1270 1830

1200 1120 1170 1360 1930

1400 1070 1120 1280 1200

1600 1030 1080 1250 1780

1800 0790 0830 0950 1320

2000 0470 0490 0570 0800

2200 0390 0400 0450 0610

0000 0400 0410 0460 0620

0200 0410 0430 0480 0640

0400 0420 0440 0490 0660

0600 0390 0410 0460 0650

0800 0600 0640 0770 1140

= AR

**4735 kHz, 05-02, 0800 UTC**

VVV VVV PROMRCh = 05 02 =  
 1000 1010 1060 1250 1810  
 1200 1100 1150 1340 1900  
 1400 1050 1100 1260 1780  
 1600 1020 1070 1240 1760  
 1800 0780 0810 0940 1310  
 2000 0470 0490 0570 0800  
 2200 0390 0400 0450 0610  
 0000 0400 0410 0460 0610  
 0700 0410 0420 0470 0630  
 0400 0420 0430 0490 0650  
 0600 0390 0400 0460 0650  
 0800 0600 0640 0770 1140  
 = ABV  
 VVV VVV PROMRCh = 05 02 =  
 1000 1010 1060 1250 1810  
 1200 1100 1150 1340 1900  
 1400 1050 1100 1260 1780  
 1600 1020 1070 1240 1760  
 1800 0780 0810 0940 1310  
 2000 0470 0490 0570 0800  
 2200 0390 0400 0450 0610  
 0000 0400 0410 0460 0610  
 0700 0410 0420 0470 0630  
 0400 0420 0430 0490 0650  
 0600 0390 0400 0460 0650  
 0800 0600 0640 0770 1140  
 = AR

**4735 kHz, 09-02, 0801 UTC**

VVV VVV PROMRCh = 09 02 =  
 1000 0990 1040 1230 1770  
 1200 1090 1150 1330 1890  
 1400 1050 1090 1260 1770  
 1600 1030 1070 1250 1770  
 1800 0790 0820 0950 1330  
 2000 0500 0520 0600 0850  
 2200 0400 0420 0470 0640  
 0000 0410 0420 0410 0630  
 0200 0420 0430 0480 0650  
 0400 0430 0450 0500 0670  
 0600 0400 0520 0480 0660  
 0800 0620 0670 0810 1190  
 = ABV  
 VVV VVV PROMRCh = 09 02 =  
 1000 0990 1040 1230 1770  
 1200 1090 1150 1330 1890  
 1400 1050 1090 1260 1770  
 1600 1030 1070 1250 1770  
 1800 0790 0820 0950 1330  
 2000 0500 0520 0600 0850  
 2200 0400 0420 0470 0640  
 0000 0410 0420 0410 0630  
 0200 0420 0430 0480 0650  
 0400 0430 0450 0500 0670  
 0600 0400 0520 0480 0660  
 0800 0620 0670 0810 1190  
 = AR

**4735 kHz, 06-02, 0800 UTC**

VVVVV PROMRCh = 06 02 =  
 1000 0990 1050 1230 1790  
 1200 1100 1140 1340 1900  
 1400 1050 1100 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1310  
 2000 0480 0500 0580 0810  
 2200 0390 0400 0450 0620  
 0000 0400 0410 0460 0610  
 0200 0410 0420 0480 0630  
 0400 0420 0430 0480 0650  
 0600 0390 0410 0460 0650  
 0800 0600 0650 0780 1150  
 = ABV  
 VVVVV PROMRCh = 06 02 =  
 1000 0990 1050 1230 1790  
 1200 1100 1140 1340 1900  
 1400 1050 1100 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1310  
 2000 0480 0500 0580 0810  
 2200 0390 0400 0450 0620  
 0000 0400 0410 0460 0610  
 0200 0410 0420 0480 0630  
 0400 0420 0430 0480 0650  
 0600 0390 0410 0460 0650  
 0800 0600 0650 0780 1150  
 = AR

**4735 kHz, 10-02, 0800 UTC**

VVV VVV PROMRCh = 10 02 =  
 1000 0990 1050 1230 1770  
 1200 1100 1150 1130 1890  
 1400 1050 1100 1260 1770  
 1600 1040 1090 1260 1770  
 1800 0800 0840 0960 1350  
 2000 0510 0530 0610 0860  
 2200 0410 0420 0480 0650  
 0000 0410 0420 0470 0630  
 0200 0430 0440 0490 0650  
 0400 0430 0450 0500 0670  
 0600 0400 0420 0480 0660  
 0800 0630 0670 0810 1200  
 = ABV  
 VVV VVV PROMRCh = 10 02 =  
 1000 0990 1050 1230 1770  
 1200 1100 1150 1130 1890  
 1400 1050 1100 1260 1770  
 1600 1040 1090 1260 1770  
 1800 0800 0840 0960 1350  
 2000 0510 0530 0610 0860  
 2200 0410 0420 0480 0650  
 0000 0410 0420 0470 0630  
 0200 0430 0440 0490 0650  
 0400 0430 0450 0500 0670  
 0600 0400 0420 0480 0660  
 0800 0630 0670 0810 1200  
 = AR

**4735 kHz, 07-02, 0800 UTC**

VVVVV PROMRCh = 07 02 =  
 1000 0990 1040 1230 1780  
 1200 1090 1140 1310 1890  
 1400 1040 1090 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1320  
 2000 0480 0500 0580 0820  
 2200 0390 0400 0460 0630  
 2400 0400 0410 0460 0610  
 0020 0410 0420 0480 0640  
 0400 0420 0430 0490 0660  
 0600 0390 0410 0470 0650  
 0800 0610 0650 0790 1160  
 = ABV =  
 VVVVV PROMRCh = 07 02 =  
 1000 0990 1040 1230 1780  
 1200 1090 1140 1310 1890  
 1400 1040 1090 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1320  
 2000 0480 0500 0580 0820  
 2200 0390 0400 0460 0630  
 2400 0400 0410 0460 0610  
 0020 0410 0420 0480 0640  
 0400 0420 0430 0490 0660  
 0600 0390 0410 0470 0650  
 0800 0610 0650 0790 1160  
 = AR

**4735 kHz, 11-02, 0800 UTC**

VVV VVV PROMRCh = 11 02 =  
 1000 0990 1040 1220 1770  
 1200 1100 1160 1340 1900  
 1400 1060 1100 1260 1770  
 1600 1040 1090 1250 1780  
 1800 0800 0840 0970 1360  
 2000 0510 0530 0610 0860  
 2200 0410 0420 0480 0650  
 2400 0410 0420 0470 0630  
 0200 0430 0440 0490 0650  
 0400 0450 0450 0500 0670  
 0600 0400 0420 0470 0660  
 0800 0640 0680 0820 1210  
 = ABV =  
 VVV VVV PROMRCh = 11 02 =  
 1000 0990 1040 1220 1770  
 1200 1100 1160 1340 1900  
 1400 1060 1100 1260 1770  
 1600 1040 1090 1250 1780  
 1800 0800 0840 0970 1360  
 2000 0510 0530 0610 0860  
 2200 0410 0420 0480 0650  
 2400 0410 0420 0470 0630  
 0200 0430 0440 0490 0650  
 0400 0450 0450 0500 0670  
 0600 0400 0420 0470 0660  
 0800 0640 0680 0820 1210  
 = AR

**4735 kHz, 08-02, 0800 UTC**

VVVVV PROMRCh = 0802 =  
 1000 0990 1040 1230 1770  
 1200 1090 1140 1330 1890  
 1400 1050 1090 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1320  
 2000 0490 0520 0600 0830  
 2200 0400 0410 0460 0660  
 0000 0410 0420 0470 0620  
 0200 0420 0430 0480 0640  
 0400 0430 0440 0490 0660  
 0600 0400 0410 0470 0660  
 0800 0620 0660 0800 1170  
 = ABV  
 VVVVV PROMRCh = 0802 =  
 =  
 1000 0990 1040 1230 1770  
 1200 1090 1140 1330 1890  
 1400 1050 1090 1260 1770  
 1600 1020 1070 1240 1760  
 1800 0780 0820 0940 1320  
 2000 0490 0520 0600 0830  
 2200 0400 0410 0460 0660  
 0000 0410 0420 0470 0620  
 0200 0420 0430 0480 0640  
 0400 0430 0440 0490 0660  
 0600 0400 0410 0470 0660  
 0800 0620 0660 0800 1170  
 = AR

**4735 kHz, 12-02, 0800 UTC**

VVVVV PROMRCh = 12 02 =  
 1000 1000 1050 1230 1770  
 1200 1110 1160 1340 1900  
 1400 1060 1100 1270 1780  
 1600 1050 1100 1270 1790  
 1800 0810 0850 0980 1370  
 2000 0520 0540 0630 0880  
 2200 0410 0430 0480 0660  
 0000 0420 0430 0470 0630  
 0200 0430 0440 0490 0660  
 0400 0440 0450 0500 0660  
 0600 0400 0420 0480 0660  
 0800 0650 0690 0830 1230  
 = ABV =  
 VVVVV PROMRCh = 12 02 =  
 1000 1000 1050 1230 1770  
 1200 1110 1160 1340 1900  
 1400 1060 1100 1270 1780  
 1600 1050 1100 1270 1790  
 1800 0810 0850 0980 1370  
 2000 0520 0540 0630 0880  
 2200 0410 0430 0480 0660  
 0000 0420 0430 0470 0630  
 0200 0430 0440 0490 0660  
 0400 0440 0450 0500 0660  
 0600 0400 0420 0480 0660  
 0800 0650 0690 0830 1230  
 = AR

**4735 kHz, 13-02, 0800 UTC**

VVV VVV PROMRCh = 13 02  
 1000 1000 1050 1240 1770  
 1200 1120 1170 1350 1910  
 1400 1070 1110 1270 1780  
 1600 1060 1100 1270 1790  
 1800 0830 0860 0990 1390  
 2000 0530 0550 0640 0890  
 2000 0410 0430 0490 0660  
 0000 0420 0420 0480 0630  
 0200 0430 0440 0490 0650  
 0400 0440 0450 0500 0670  
 0600 0400 0420 0480 0660  
 0800 0650 0700 0840 1240  
 = ABV

VVV VVV PROMRCh = 13 02  
 1000 1000 1050 1240 1770  
 1200 1120 1170 1350 1910  
 1400 1070 1110 1270 1780  
 1600 1060 1100 1270 1790  
 1800 0830 0860 0990 1390  
 2000 0530 0550 0640 0890  
 2000 0410 0430 0490 0660  
 0000 0420 0420 0480 0630  
 0200 0430 0440 0490 0650  
 0400 0440 0450 0500 0670  
 0600 0400 0420 0480 0660  
 0800 0650 0700 0840 1240  
 = AR

**4735 kHz, 17-02, 0800 UTC**

VVVVV PROMRCh = 1 7 0 2 =  
 1000 1080 1140 1320 1870  
 1200 1210 1260 1430 2010  
 1400 1150 1200 1360 1870  
 1600 1140 1190 1360 1890  
 1800 0990 0960 1100 1520  
 2000 0610 0640 0730 1010  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0670  
 0200 0450 0460 0510 0670  
 0400 0460 0470 0520 0690  
 0600 0410 0430 0490 0670  
 0800 0700 0750 0900 1320  
 = ABV =

VVVVV PROMRCh = 1 7 0 2 =  
 1000 1080 1140 1320 1870  
 1200 1210 1260 1430 2010  
 1400 1150 1200 1360 1870  
 1600 1140 1190 1360 1890  
 1800 0990 0960 1100 1520  
 2000 0610 0640 0730 1010  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0670  
 0200 0450 0460 0510 0670  
 0400 0460 0470 0520 0690  
 0600 0410 0430 0490 0670  
 0800 0700 0750 0900 1320  
 = AR

**4735 kHz, 14-02, 0800 UTC**

VVV VVV PROMRCh = 14 02 =  
 1000 1000 1060 1240 1780  
 1200 1230 1180 1360 1920  
 1400 1080 1120 1280 1790  
 1600 1070 1110 1280 1810  
 1800 0840 0880 1000 1410  
 2000 0540 0560 0650 0910  
 2200 0420 0440 0490 0670  
 0000 0520 0430 0480 0640  
 0200 0430 0440 0490 0650  
 0400 0440 0450 0500 0680  
 0600 0400 0420 0480 0670  
 0800 0660 0710 0850 1260  
 = ABV

VVV VVV PROMRCh = 14 02 =  
 1000 1000 1060 1240 1780  
 1200 1230 1180 1360 1920  
 1400 1080 1120 1280 1790  
 1600 1070 1110 1280 1810  
 1800 0840 0880 1000 1410  
 2000 0540 0560 0650 0910  
 2200 0420 0440 0490 0670  
 0000 0520 0430 0480 0640  
 0200 0430 0440 0490 0650  
 0400 0440 0450 0500 0680  
 0600 0400 0420 0480 0670  
 0800 0660 0710 0850 1260  
 = AR

**4735 kHz, 18-02, 0800 UTC**

VVV VVV PROMRCh = 18 02 =  
 1000 1030 1090 1270 1810  
 1200 1170 1220 1390 1960  
 1400 1120 1160 1320 1830  
 1600 1120 1160 1330 1850  
 1800 0910 0950 1090 1510  
 2000 0610 0640 0730 1010  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0660  
 0200 0440 0450 0510 0670  
 0400 0450 0470 0520 0690  
 0600 0410 0430 0480 0670  
 0800 0700 0750 0900 1320  
 = ABV

VVV VVV PROMRCh = 18 02 =  
 1000 1030 1090 1270 1810  
 1200 1170 1220 1390 1960  
 1400 1120 1160 1320 1830  
 1600 1120 1160 1330 1850  
 1800 0910 0950 1090 1510  
 2000 0610 0640 0730 1010  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0660  
 0200 0440 0450 0510 0670  
 0400 0450 0470 0520 0690  
 0600 0410 0430 0480 0670  
 0800 0700 0750 0900 1320  
 = AR

**4735 kHz, 15-02, 0800 UTC**

VVVVV PROMRCh = 15 02 =  
 1000 1010 1070 1250 1790  
 1200 1130 1190 1360 1920  
 1400 1090 1130 1290 1800  
 1600 1080 1130 1300 1810  
 1800 0850 0890 1020 1430  
 2000 0550 0570 0660 0920  
 2200 0420 0440 0490 0670  
 2400 0420 0430 0480 0640  
 0200 0430 0440 0500 0660  
 0400 0440 0450 0510 0680  
 0600 0400 0420 0480 0670  
 0800 0670 0720 0860 1270  
 = ABV =

VVVVV PROMRCh = 15 02 =  
 1000 1010 1070 1250 1790  
 1200 1130 1190 1360 1920  
 1400 1090 1130 1290 1800  
 1600 1080 1130 1300 1810  
 1800 0850 0890 1020 1430  
 2000 0550 0570 0660 0920  
 2200 0420 0440 0490 0670  
 2400 0420 0430 0480 0640  
 0200 0430 0440 0500 0660  
 0400 0440 0450 0510 0680  
 0600 0400 0420 0480 0670  
 0800 0670 0720 0860 1270  
 = AR

**4735 kHz, 19-02, 0800 UTC**

VVVVV PROMRCh = 1902 =  
 1000 1050 1100 1280 1820  
 1200 1180 1230 1400 1970  
 1400 1140 1180 1340 1850  
 1600 1130 1180 1340 1870  
 1800 0930 0970 1100 1530  
 2000 0620 0650 0740 1030  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0660  
 0200 0450 0460 0510 0680  
 0400 0460 0470 0530 0700  
 0600 0410 0430 0490 0680  
 0800 0710 0760 0910 1340  
 = ABV

VVVVV PROMRCh = 1902 =  
 1000 1050 1100 1280 1820  
 1200 1180 1230 1400 1970  
 1400 1140 1180 1340 1850  
 1600 1130 1180 1340 1870  
 1800 0930 0970 1100 1530  
 2000 0620 0650 0740 1030  
 2200 0460 0480 0540 0730  
 0000 0440 0450 0500 0660  
 0200 0450 0460 0510 0680  
 0400 0460 0470 0530 0700  
 0600 0410 0430 0490 0680  
 0800 0710 0760 0910 1340  
 = AR

**4735 kHz, 16-02, 0800 UTC**

VVV VVV PROMRCh = 16 02 =  
 1000 1010 1070 1250 1790  
 1200 1100 1190 1370 1930  
 1400 1100 1140 1300 1800  
 1600 1090 1140 2310 1820  
 1800 0870 0910 1040 1450  
 2000 0570 0590 0680 0940  
 2200 0430 0440 0500 0680  
 0000 0420 0430 0480 0640  
 0200 0440 0450 0500 0660  
 0400 0450 0460 0510 0680  
 0600 0410 0420 0480 0670  
 0800 0680 0730 0880 1290  
 = ABV

VVV VVV PROMRCh = 16 02 =  
 1000 1010 1070 1250 1790  
 1200 1100 1190 1370 1930  
 1400 1100 1140 1300 1800  
 1600 1090 1140 2310 1820  
 1800 0870 0910 1040 1450  
 2000 0570 0590 0680 0940  
 2200 0430 0440 0500 0680  
 0000 0420 0430 0480 0640  
 0200 0440 0450 0500 0660  
 0400 0450 0460 0510 0680  
 0600 0410 0420 0480 0670  
 0800 0680 0730 0880 1290  
 = AR

**4735 kHz, 20-02, 0800 UTC**

VVVVV PROMRCh = 20 02 =  
 1000 1050 1100 1290 1830  
 1200 1190 1230 1410 1970  
 1400 1150 1190 1350 1860  
 1600 1150 1190 1360 1880  
 1800 0940 0980 1120 1550  
 2000 0640 0660 0760 1040  
 2200 0460 0480 0540 0740  
 2400 0440 0450 0500 0660  
 0200 0450 0460 0510 0680  
 0400 0460 0470 0530 0700  
 0600 0410 0430 0490 0670  
 0800 0720 0770 0720 1350  
 = ABV =

VVVVV PROMRCh = 20 02 =  
 1000 1050 1100 1290 1830  
 1200 1190 1230 1410 1970  
 1400 1150 1190 1350 1860  
 1600 1150 1190 1360 1880  
 1800 0940 0980 1120 1550  
 2000 0640 0660 0760 1040  
 2200 0460 0480 0540 0740  
 2400 0440 0450 0500 0660  
 0200 0450 0460 0510 0680  
 0400 0460 0470 0530 0700  
 0600 0410 0430 0490 0670  
 0800 0720 0770 0720 1350  
 = AR

**4735 kHz, 21-02, 0800 UTC**

VVV VVV PROMRCh = 21 02 =  
 1000 1060 1110 1290 1830  
 1200 1200 1240 1420 1990  
 1400 1160 1200 1360 1870  
 1600 1160 1220 1370 1900  
 1800 0960 1000 1130 1570  
 2000 0650 0670 0770 1060  
 2200 0470 0490 0550 0750  
 0000 0450 0050 0510 0670  
 0200 0460 0460 0520 0680  
 0400 0460 0480 0530 0700  
 0600 0420 0430 0490 0680  
 0800 0730 0780 0930 1370  
 = ABV

VVV VVV PROMRCh = 21 02 =  
 1000 1060 1110 1290 1830  
 1200 1200 1240 1420 1990  
 1400 1160 1200 1360 1870  
 1600 1160 1220 1370 1900  
 1800 0960 1000 1130 1570  
 2000 0650 0670 0770 1060  
 2200 0470 0490 0550 0750  
 0000 0450 0050 0510 0670  
 0200 0460 0460 0520 0680  
 0400 0460 0480 0530 0700  
 0600 0420 0430 0490 0680  
 0800 0730 0780 0930 1370  
 = AR

**4735 kHz, 25-02, 0802 UTC**

VVV VVV PROMRCh = 25 02 =  
 1000 1030 1080 1260 1810  
 1200 1180 1230 1410 1970  
 1400 1160 1200 1360 1870  
 1600 1170 1210 1370 1910  
 1800 0970 1010 1150 1590  
 2000 0660 0690 0790 1090  
 2200 0480 0500 0560 0760  
 0000 0450 0460 0520 0680  
 1200 0470 0480 0530 0690  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0800 0960 1400  
 = ABV

VVV VVV PROMRCh = 25 02 =  
 1000 1030 1080 1260 1810  
 1200 1180 1230 1410 1970  
 1400 1160 1200 1360 1870  
 1600 1170 1210 1370 1910  
 1800 0970 1010 1150 1590  
 2000 0660 0690 0790 1090  
 2200 0480 0500 0560 0760  
 0000 0450 0460 0520 0680  
 1200 0470 0480 0530 0690  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0800 0960 1400  
 = AR

**4735 kHz, 22-02, 0802 UTC**

VVVVV PROMRCh = 22 02 =  
 1000 1070 1120 1300 1840  
 1200 1210 1260 1430 1990  
 1400 1170 1210 1370 1880  
 1600 1170 1210 1380 1920  
 1800 0970 1010 1150 1590  
 2000 0660 0690 0780 1080  
 2200 0480 0500 0560 0760  
 0000 0450 0460 0510 0680  
 0200 0460 0470 0520 0680  
 0400 0470 0480 0520 0710  
 0600 0420 0440 0500 0680  
 0800 0740 0790 0950 1380  
 = ABV =

VVVVV PROMRCh = 22 02 =  
 1000 1070 1120 1300 1840  
 1200 1210 1260 1430 1990  
 1400 1170 1210 1370 1880  
 1600 1170 1210 1380 1920  
 1800 0970 1010 1150 1590  
 2000 0660 0690 0780 1080  
 2200 0480 0500 0560 0760  
 0000 0450 0460 0510 0680  
 0200 0460 0470 0520 0680  
 0400 0470 0480 0520 0710  
 0600 0420 0440 0500 0680  
 0800 0740 0790 0950 1380  
 = AR

**4735 kHz, 26-02, 0800 UTC**

VVVVV PROMRCh = 26 02 =  
 1000 1130 1180 1370 1930  
 1200 1280 1330 1510 2030  
 1400 1230 1280 1440 1960  
 1600 1230 1270 1440 1980  
 1800 1010 1060 1200 1650  
 2000 0690 0720 0820 1120  
 2200 0500 0520 0580 0790  
 2400 0470 0480 0530 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0550 0720  
 0600 0430 0450 0510 0690  
 0800 0770 0810 0970 1420  
 = ABV =

VVVVV PROMRCh = 26 02 =  
 1000 1130 1180 1370 1930  
 1200 1280 1330 1510 2030  
 1400 1230 1280 1440 1960  
 1600 1230 1270 1440 1980  
 1800 1010 1060 1200 1650  
 2000 0690 0720 0820 1120  
 2200 0500 0520 0580 0790  
 2400 0470 0480 0530 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0550 0720  
 0600 0430 0450 0510 0690  
 0800 0770 0810 0970 1420  
 = AR

**23-02 not monitored****4735 kHz, 24-02, 0800 UTC**

VVV VVV PROMRCh = 2402 =  
 1000 1090 1140 1320 1870  
 1200 1230 1280 1460 2030  
 1400 1200 1240 1400 1920  
 1600 1200 1240 1410 1950  
 1800 0990 1030 1170 1620  
 2000 0670 0700 0800 1100  
 2200 0490 0510 0570 0770  
 0000 0460 0470 0520 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0550 0720  
 0600 0430 0510 0510 0700  
 0800 0760 0800 0960 1400  
 = ABV

VVV VVV PROMRCh = 2402 =  
 1000 1090 1140 1320 1870  
 1200 1230 1280 1460 2030  
 1400 1200 1240 1400 1920  
 1600 1200 1240 1410 1950  
 1800 0990 1030 1170 1620  
 2000 0670 0700 0800 1100  
 2200 0490 0510 0570 0770  
 0000 0460 0470 0520 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0550 0720  
 0600 0430 0510 0510 0700  
 0800 0760 0800 0960 1400  
 = AR

**4735 kHz, 27-02, 0800 UTC**

VVVVV PROMRCh = 2 7 0 2 =  
 1000 1090 1140 1330 1880  
 1200 1240 1290 1470 2040  
 1400 1200 1250 1400 1930  
 1600 1200 1250 1420 1950  
 1800 1000 1040 1180 1630  
 2000 0680 0710 0810 1110  
 2200 0500 0510 0580 0780  
 0000 0460 0470 0530 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0810 0970 1410  
 = ABV =

VVVVV PROMRCh = 2 7 0 2 =  
 1000 1090 1140 1330 1880  
 1200 1240 1290 1470 2040  
 1400 1200 1250 1400 1930  
 1600 1200 1250 1420 1950  
 1800 1000 1040 1180 1630  
 2000 0680 0710 0810 1110  
 2200 0500 0510 0580 0780  
 0000 0460 0470 0530 0690  
 0200 0470 0480 0530 0700  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0810 0970 1410  
 = AR

**4735 kHz, 28-02, 0800 UTC**

VVVVVV PROMRCh = 28 02 =  
 1000 1090 1140 1320 1880  
 1200 1240 1290 1470 2040  
 1400 1200 1240 1400 1920  
 1600 1200 1240 1410 1940  
 1800 1000 1040 1180 1640  
 2000 0690 0710 0810 1120  
 2200 0500 0520 0580 0780  
 0000 0460 0470 0530 0690  
 0200 0470 0480 0530 0690  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0810 0960 1410  
 = ABV

VVVVVV PROMRCh = 28 02 =  
 1000 1090 1140 1320 1880  
 1200 1240 1290 1470 2040  
 1400 1200 1240 1400 1920  
 1600 1200 1240 1410 1940  
 1800 1000 1040 1180 1640  
 2000 0690 0710 0810 1120  
 2200 0500 0520 0580 0780  
 0000 0460 0470 0530 0690  
 0200 0470 0480 0530 0690  
 0400 0480 0490 0540 0720  
 0600 0430 0450 0500 0690  
 0800 0760 0810 0960 1410  
 = AR



## UM10 - 10-minutes net

3263 kHz, 16-02, 1857 UTC 10-minutes net: Q7JN //3956 kHz  
3956 kHz, 16-02, 1857 UTC 10-minutes net: Q7JN //3263 kHz  
3124 kHz, 20-02, 2006 UTC 10-minutes net: DEJF //3750 kHz  
3750 kHz, 20-02, 2006 UTC 10-minutes net: DEJF //3124 kHz  
3263 kHz, 20-02, 2004 UTC 10-minutes net: Q7JN

## DIGITAL MODES

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

M42 – various modes

**Mode:** FSK 200/1000, then MFSK-7, then MFSK-7 200/400

#### **Schedules:**

6851 kHz, 13-02/14-02/15-02/16-02, 0600 UTC  
14596 kHz, 13-02/14-02/15-02/16-02, 0610 UTC  
20775 kHz, 13-02/14-02/15-02/16-02, 0620 UTC  
23372 kHz, 13-02/14-02/15-02/16-02, 0630 UTC  
25403 kHz, 13-02/14-02/15-02/16-02, 0640 UTC

9954 kHz, 13-02/14-02/15-02/16-02, 0700 UTC  
14859 kHz, 13-02/14-02/15-02/16-02, 0710 UTC  
22923 kHz, 13-02/14-02/15-02/16-02, 0720 UTC  
25323 kHz, 13-02/14-02/15-02/16-02, 0730 UTC  
24795 kHz, 13-02/14-02/15-02/16-02, 0740 UTC

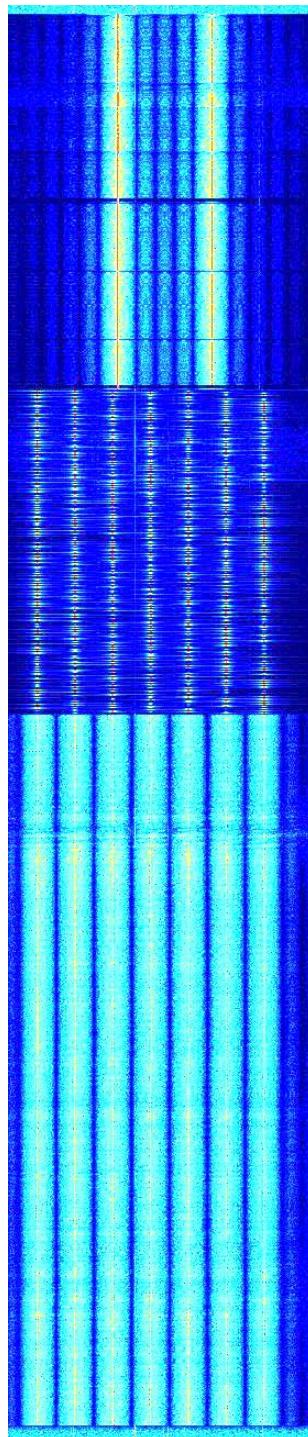
25323 kHz, 13-02/14-02/15-02/16-02, 0800 UTC  
24795 kHz, 13-02/14-02/15-02/16-02, 0810 UTC  
23038 kHz, 13-02/14-02/15-02/16-02, 0820 UTC  
17475 kHz, 13-02/14-02/15-02/16-02, 0830 UTC  
10787 kHz, 13-02/14-02/15-02/16-02, 0840 UTC

23038 kHz, 13-02/14-02/15-02/16-02, 0900 UTC  
25467 kHz, 13-02/14-02/15-02/16-02, 0910 UTC  
20803 kHz, 13-02/14-02/15-02/16-02, 0920 UTC  
18259 kHz, 13-02/14-02/15-02/16-02, 0930 UTC  
13459 kHz, 13-02/14-02/15-02/16-02, 0940 UTC

23038 kHz, 13-02/14-02/15-02/16-02, 1000 UTC  
25331 kHz, 13-02/14-02/15-02/16-02, 1010 UTC  
20651 kHz, 13-02/14-02/15-02/16-02, 1020 UTC  
15803 kHz, 13-02/14-02/15-02/16-02, 1030 UTC  
10483 kHz, 13-02/14-02/15-02/16-02, 1040 UTC

25331 kHz, 13-02/14-02/15-02/16-02, 1100 UTC  
24019 kHz, 13-02/14-02/15-02/16-02, 1110 UTC  
20795 kHz, 13-02/14-02/15-02/16-02, 1120 UTC  
14946 kHz, 13-02/14-02/15-02/16-02, 1130 UTC  
9954 kHz, 13-02/14-02/15-02/16-02, 1140 UTC

25331 kHz, 13-02/14-02/15-02/16-02, 1200 UTC  
22988 kHz, 13-02/14-02/15-02/16-02, 1210 UTC  
20187 kHz, 13-02/14-02/15-02/16-02, 1220 UTC  
17493 kHz, 13-02/14-02/15-02/16-02, 1230 UTC  
7924 kHz, 13-02/14-02/15-02/16-02, 1240 UTC





23067 kHz, 13-02/14-02/15-02/16-02, 1300 UTC  
20451 kHz, 13-02/14-02/15-02/16-02, 1310 UTC  
17459 kHz, 13-02/14-02/15-02/16-02, 1320 UTC  
13499 kHz, 13-02/14-02/15-02/16-02, 1330 UTC  
7749 kHz, 13-02/14-02/15-02/16-02, 1340 UTC

17451 kHz, 13-02/14-02/15-02/16-02, 1500 UTC  
14402 kHz, 13-02/14-02/15-02/16-02, 1510 UTC  
12211 kHz, 13-02/14-02/15-02/16-02, 1520 UTC  
9195 kHz, 13-02/14-02/15-02/16-02, 1530 UTC  
7547 kHz, 13-02/14-02/15-02/16-02, 1540 UTC

13876 kHz, 13-02/14-02/15-02/16-02, 1600 UTC  
11451 kHz, 13-02/14-02/15-02/16-02, 1610 UTC  
9922 kHz, 13-02/14-02/15-02/16-02, 1620 UTC  
7514 kHz, 13-02/14-02/15-02/16-02, 1630 UTC  
5371 kHz, 13-02/14-02/15-02/16-02, 1640 UTC

10339 kHz, 13-02/14-02/15-02/16-02, 1700 UTC  
9050 kHz, 13-02/14-02/15-02/16-02, 1710 UTC  
7802 kHz, 13-02/14-02/15-02/16-02, 1720 UTC  
5746 kHz, 13-02/14-02/15-02/16-02, 1730 UTC  
3874 kHz, 13-02/14-02/15-02/16-02, 1740 UTC

**F06 message (FSK 200/1000)**

11145 67890 23456 78901 34567  
40684 34803 30634 83018 61878 50457 41169 46327 28648 08623  
87547 68722 47302 13995 19750 16349 48911 11735 31027 12559  
00624 03910 18229 53584 85745 81309 83518 95851 11833 33946  
20681 54104 15767 72653 23248 31973 33820 21307 94262 67206  
58264 00939 20206 35811 46410 94963 25741 63751 12447 62718  
11696 59117 58467 21266 52526 81529 57908 89303 12342 16613  
37256 02605 68220 70697 24114 99400 00974 17765 89717 21389  
94866 90534 47192 66258 70678 32209 34769 90724 42855 92326  
08292 28148 88340 83074 80146 07531 40742 11428 25566 33985  
39708 87786 23667 38441 00683 22148 69970 73280 98025 23780  
58296 18641 37397 03394 60365 47002 81096 11899 32358 05251  
87346 93238 32977 54207 89250 09845 09068 80896 61751 99567  
94565 01494 25110 42797 40809 72267 05676 94041 32153 25230  
02507 60551 67640 56793 19248 90964 74641 07328 18058 17662  
67437 45947 79921 15284 85351 60185 69249 86284 41402 67985  
89228 66774 94835 42852 20802 00357 04571 67323 16620 96261  
70462 04957 79761 83122 92852 40162 79622 74550 60579 52060  
29240 36760 87552 79189 69433 19856 83322 48766 49953 89936  
16639 73927 75994 19238 14535 06534 15861 53368 61299 16975  
88639 31722 04089 45931 35484 50378 07976 47971 60276 65992  
03098 79375 38261 84718 00228 77488 84811 21012 34781 00652  
11046 90464 62172 62356 06317 07736 81776 05483 40737 77502  
05651 99458 58512 75640 59249 56614 97459 01916 48085 74060  
43596 43998 77365 51261 10378 63038 45159 57633 30951 75425  
14415 81025 04193 40239 43386 48563 12383 57032 38024 03359  
35726 03211 91483 14938 69780 06806 48221 79609 72406 37883  
34905 77689 51337 71255 97197 12963 31698 89671 02485 49840  
81422 34396 78070 55129 09668 57324 10287 61202 49912 94577  
83367 73799 48346 62745 02408 14764 73675 11736 11420 59842  
88029 17515 58740 13447 73924 01295 00000

F01 – FSK 200/500

**8155/6844/4527 kHz, 01-02, 1940/1950/2000 UTC**

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

**20741/18401 kHz, 10-02, 2230/2240 UTC**

11177 00116 54019 09006 01549  
17120 69595 68393 35342 14088 48942 59439 71009 39066 29217  
48578 09722 68709 12813 18353 92093 20607 35304 59801 14108  
53665 61124 19571 06440 83435 53940 20566 81442 35817 38931  
42071 77501 87580 99139 70280 55441 67141 73103 55173 26669  
14027 45932 34684 17741 20470 51041 12085 01049 03576 24703  
97533 46298 81481 80634 49715 72484 51969 96774 78527 05037  
96946 31473 94724 67829 61253 11244 17488 64746 79215 57307  
75829 30475 47396 43069 64790 55234 66966 99760 42357 13116  
04155 12404 78042 48719 42190 73291 89054 01781 23193 85185  
25014 74480 03440 31399 87134 71102 70448 54969 92817 64759  
95317 14091 21591 70842 18751 06015 03338 31907 94219 76587  
34744 43663 36686 57622 34909 76777 50328 99288 76050 74152  
33715 89716 50248 28385 85850 78982 58157 69095 61542 49687  
30633 14795 49517 01304 19204 69000 71732 40471 16330 65275  
27317 94447 91380 90872 29575 89886 53278 43695 09497 64132  
75731 02232 06152 00000 +++++ +++++

**12184/10169/8079 kHz, 01-02, 1015/1024/1035 UTC**

Distorted audio. Undecodable

**12184/10169/8079 kHz, 02-02, 1015/1024/1035 UTC**

79346 34291 78288 59918 77577 44890 58865 52563 48871 38083  
90407 47824 61267 22220 30365 86444 60941 15451 80881 11152  
96556 11266 35273 92793 18725 19535 01946 43693 15497 87716  
29196 35388 69828 31928 79326 62954 49953 32571 25512 23106  
68605 74192 69862 98239 72027 34274 06110 63636 44704 50635  
75366 59986 40745 22128 88382 98437 77880 22334 12748 90351  
54979 30928 48471 18950 79047 12408 40375 95048 12633 96872  
00752 64056 77580 42542 40696 85075 00000 00000 00000 00000

71224 13490 26301 74952 52047 86048 20307 45859 35108 64596  
32261 16865 21990 36694 73295 85202 81749 37062 39143 15255  
39880 86114 71606 89640 52527 54780 51374 17052 64386 47769  
83120 01504 73740 22486 58833 02712 53059 85781 10294 42254  
98598 35715 86660 35239 07451 40528 18088 52133 05463 72014  
51312 40464 74479 35470 68152 61063 52337 63408 22860 18562  
04050 65243 59250 90793 87617 50104 93554 86829 62916 64992  
73941 88298 17075 15455 52622 53707 04805 60958 31509 90427  
27103 02170 67324 24052 96774 02310 47141 19801 64208 09777  
70257 35662 01841 74234 97361 86095 00000 +++++ +++++ +++++

**12184/10169/8079 kHz, 03-02, 1015/1024/1035 UTC**

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

**12184/10169/8079 kHz, 06-02, 1015/1024/1035 UTC**

51087 90556 95262 37147 71173 53530 97335 56108 71761 99324  
10418 91182 41061 43485 59665 80333 04802 69218 08944 57028  
76001 45018 92685 28261 38830 12693 99790 12829 33727 81744  
89273 38295 35989 91034 42330 20089 44996 23670 80520 71162  
26271 86047 04753 15660 73557 87000 34753 05025 83107 77977  
53715 59983 57360 40193 87809 86849 80206 29692 75244 41582  
31016 16260 04566 40028 29633 77114 26880 37805 29506 31328  
71699 28240 01153 25900 21075 31817 73147 09438 21726 75568  
22811 54363 39845 85841 33800 13602 88261 42876 62772 22666  
80664 70652 82329 83107 92551 60411 92406 88237 33617 51318

17317 77075 61242 16684 30622 27461 89794 29193 75021 24258  
75407 03576 69454 63599 80942 40156 20590 79098 50815 17715  
80902 00976 50363 09109 20517 84033 49460 18085 05011 65407  
55057 60714 96357 38051 22330 39900 19209 50876 99129 86388  
59687 71490 83429 64716 88896 72468 98432 67544 28315 27101  
15059 46801 99280 25548 76468 55084 23740 47344 04333 95751  
68457 51188 91531 05141 49866 67951 10955 15358 41753 07852  
95114 71067 52962 17723 66240 98724 67305 49319 21551 51686  
62871 24589 03392 79637 52905 08869 08918 95773 15473 27912  
19022 40176 04074 89709 51181 62807 56396 97038 65923 74587  
43409 61656 81592 39956 25976 56108 77098 09398 11164 64059  
87345 15323 25466 15106 21027 79783 47085 14990 55465 07435  
64502 07169 88192 62186 53498 26663 49960 50989 89811 32136  
08856 63181 39644 27122 20224 38843 95170 06360 02077 64593  
47266 88163 40677 20257 12622 18757 55989 24864 57444 59523  
81672 55385 84927 93110 39323 36672 78679 09302 11637 26019  
19290 56630 44181 40796 16236 70642 30476 02580 22304 14756  
60058 96232 22719 94665 34219 67357 16171 32207 79114 06567  
29917 09645 10916 94009 36160 20295 32705 02587 61883 86440  
67790 83296 09322 30471 59145 81149 29276 10174 89634 55078  
14442 54135 02740 00301 04942 58161 28457 96552 23259 28689  
44055 30642 80750 84092 24386 66752 22924 49843 61440 62944  
05684 08459 57813 57282 19708 90167 23803 72022 05169 15237  
32792 09316 23965 23899 14632 36843 81666 54812 91690 86834  
16347 57994 87271 16900 96505 53165 61084 06120 95255 69438  
51444 84824 32969 27297 28909 21498 05564 48794 91022 15259  
40629 06911 52858 67330 48567 50011 13055 29969 60937 62339  
00029 56256 73202 46478 28040 99215 34054 38727 17823 33682  
48504 93325 61445 99364 86939 96459 36095 88530 17316 95988  
96485 26763 02688 57841 00552 20224 31253 85000 48144 67850  
71112 60027 37395 61935 66912 97056 68446 25526 20582 14203  
49229 60072 23332 62314 82983 01770 31110 71011 42202 10027  
00706 97947 58686 36505 28685 92234 84405 48160 60340 07956  
02846 02720 60859 28724 95527 00051 65870 87437 00000 +++++  
+++++

#### **12184/10169/8079 kHz, 07-02, 1015/1024/1035 UTC**

49914 43809 47842 85239 05681 36609 67117 85256 60193 62465  
68623 82712 41150 55838 79517 62688 95411 33336 69336 80360  
11337 74127 95813 08847 51758 53579 16813 17620 39790 41051  
23062 54919 64660 97795 71373 32613 99745 35879 23040 36932  
49998 24091 17098 13521 70964 51753 33138 00246 26562 86378  
23354 06193 77819 86119 18516 60293 19763 52931 37563 78019  
08629 37406 55491 19577 46598 31190 09231 38048 16242 07953  
46198 40905 81856 98814 45216 13348 99880 13193 64478 76889  
05585 40991 96256 81631 68216 97079 33033 55682 31792 93988  
74742 88091 00000 00000 00000 00000 00000 00000 00000 00000

80431 00227 80295 30451 77114 48847 19652 59591 39970 25761  
01671 78314 83661 29252 17643 17464 09345 74849 68923 77345  
61212 71765 17855 26093 37029 69346 88784 48509 51115 65736  
80122 50088 73209 95930 73364 45904 91644 41414 50030 89046  
74280 28569 52452 18293 25625 08035 49340 29709 63587 32224  
92077 01867 64294 73155 72671 29353 48415 47818 19308 44275  
07423 43239 90431 30442 93234 58442 53309 59898 19677 05494  
57994 06525 49191 89073 00000 +++++ +++++

#### **12184/10169/8079 kHz, 08-02, 1015/1024/1035 UTC**

91469 30639 12049 80633 24810 44848 30310 56367 67332 85228  
13526 91419 99466 40326 11430 44489 39876 04311 74145 37549  
30242 19647 59280 60092 00224 20642 43428 95340 42281 26311  
80234 79375 51049 55998 72246 29106 06951 66181 48712 00029  
08732 31916 66528 59706 84614 21343 76517 87911 36748 36689

22226 39359 98652 20228 63427 29984 10329 48604 41522 32686  
40741 63980 29020 93485 12347 15438 30291 04026 07368 09070  
25770 91363 60476 90197 76812 10982 67611 06163 33376 53956  
65582 23114 11729 04232 62164 95239 34353 06920 21374 09882  
49259 33581 33603 56959 70864 55408 25303 96153 09659 60264  
87913 20279 82809 74502 30709 38282 22930 75506 87265 26317  
27159 05894 30222 20311 13783 25320 74035 48478 78541 60809  
70408 27217 67847 41566 26079 68812 11078 29192 97667 74403  
79134 79254 43253 10636 61469 95134 35385 93443 78745 60103  
65195 27399 73333 58554 92327 74068 44831 22337 20339 47802  
22786 63123 02292 62413 93809 76746 06195 77162 25282 30452  
95004 15507 52819 68993 00867 55031 23700 00515 98269 12017  
13436 48160 05832 69064 57676 78331 71366 19238 66629 41560  
19959 25133 14193 86897 69698 16337 18977 35791 44787 73696  
59412 26362 40692 73845 90123 64036 21042 92418 51764 39458  
50944 89398 91491 99624 96417 25031 36280 83183 44623 79731  
86245 55829 24592 76454 20183 06730 33114 28918 30497 91928  
95505 64165 29716 35660 15918 92864 95771 25506 96884 25811  
48237 62343 32801 60051 72715 51008 07010 83079 35549 42628  
47193 68527 56059 64545 18747 61812 28487 98777 60836 79148  
10828 94951 94813 68379 22754 28647 59683 05072 19800 41085  
54307 22288 36009 21111 91042 97497 12222 15385 90477 45053  
52199 77747 71982 87663 73764 93673 19746 05318 47150 40766  
28977 85081 37740 71216 61985 20215 95398 27185 68802 32036  
57558 25020 52041 12988 58278 69264 80687 14323 60436 82390  
82500 26858 53259 61185 69713 28240 82366 95740 77723 95139  
04529 11977 21459 03835 84318 23639 99108 67606 74833 04699  
97901 84390 49707 18117 81624 93114 78559 61870 64565 62173  
63101 18225 01574 58462 76069 17148 48917 70421 70181 49835  
75625 83512 49293 93259 30018 31586 18957 31699 91083 72556  
58558 86177 59420 61830 82221 87746 67410 21933 80677 55556  
13318 31762 61266 65647 49003 83897 28285 21406 75938 83432  
70841 61610 29212 86733 50425 67022 54202 03579 05366 51440  
05622 11125 14382 48171 23610 53111 86388 27844 66565 22771  
68770 08514 05399 52860 91298 43983 08907 61255 87872 01289  
74937 25564 63289 63279 87055 85160 97217 17238 01373 94116  
02566 15468 93248 73436 80426 18792 18535 36055 38806 58904  
69067 83018 67290 80496 27077 90425 00000 +++++ +++++

**12184/10169/8079 kHz, 09-02, 1015/1024/1035 UTC**

37345 66585 72509 50960 63471 32799 65773 49637 25579 21636  
74784 85524 92673 62859 47065 64767 13120 61555 99329 02347  
93935 88334 37248 64682 32524 31746 86254 67401 24282 30083  
19327 57974 94529 24764 92666 37904 28192 02501 25242 04147  
95670 18399 83101 14463 98346 17230 54420 06383 82146 95012  
26201 24471 92616 68124 98577 35576 69937 42122 97646 36761  
07310 97451 72778 85596 21172 34242 89334 07499 06657 43365  
52736 59818 76745 95961 24811 57335 08557 68604 18371 88891  
45186 46290 80944 79802 26570 70463 03610 79769 47772 24234  
15862 80963 68160 91093 00000 00000 00000 00000 00000 00000

38822 55593 21867 25431 29627 34555 64325 90713 94730 22192  
56362 36467 32886 67609 95238 82657 87251 78280 51694 24864  
20073 62181 24368 25092 60498 35640 22816 45658 67738 07860  
33845 99569 76731 78027 50824 15855 18529 05962 70676 43265  
32567 42235 88232 40797 13022 28706 42638 28467 56438 05393  
95494 96778 02810 84645 45430 98318 87307 78523 08780 69917  
44839 90349 21071 58813 34627 06348 38994 51265 76994 48328  
47547 92071 00000 +++++

**12184/10169/8079 kHz, 10-02, 1015/1024/1035 UTC**

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

**12184/10169/8079 kHz, 13-02, 1015/1024/1035 UTC**

52809 97791 47413 92029 87530 01477 50114 96345 10320 57313  
17943 74718 78311 77804 22573 06292 66101 05338 97982 46193  
50480 04608 46337 73677 44879 03579 86537 53639 00702 68920  
75141 59949 17748 26846 54327 34041 30897 65306 06600 77192  
65255 78466 20926 99928 76949 39406 99974 77001 21742 11973  
63167 81364 18676 37747 25206 95595 00922 59026 54790 24192  
71024 63795 43182 55187 02723 63599 37337 44522 56546 40263  
17262 21599 01370 22405 22303 39478 59102 77659 56050 18128  
14722 31576 24534 54187 58821 49099 87420 95666 54860 39596  
26875 05026 48316 71352 63790 59069 59918 06478 76069 59103  
30143 92156 98640 49768 07175 69192 09906 70014 95508 83764  
34292 84639 07383 13352 15617 69826 84236 42752 40928 51125  
80363 51135 19530 17319 25975 96071 46868 58594 11833 05469  
07964 02481 62658 13358 00091 45965 91496 00460 79374 07250  
52220 25483 61007 45568 32379 58071 27760 22506 53550 49358  
26487 03268 71413 01053 57302 21313 92707 18994 85125 54824  
51276 62123 28270 88410 10382 22799 03776 58517 83473 99396  
34165 05956 90603 47136 45314 84005 92675 18064 10122 95516  
70706 26133 17669 57452 42304 98321 72553 16314 32535 97725  
54089 62883 41370 29553 90054 19714 74909 65975 24675 99814  
32556 50756 85544 59967 67334 69613 79144 97108 61551 97224  
69671 61208 84959 56851 20858 83100 27644 53477 05456 40687  
24792 66434 12096 11960 15552 12435 04192 88271 03156 14946  
10579 46310 08507 40856 52592 02184 34404 90360 37240 96094  
82598 51011 71193 80994 90878 51853 75251 13697 82351 78614  
03997 71862 44124 35849 00297 45301 77566 67005 39371 75030  
87342 68330 42090 38518 01404 57572 62200 04566 39113 83391  
77159 06245 69720 86440 37281 05352 28344 48042 52859 46787  
81658 87395 23973 26330 60489 93263 42651 20221 01475 01065  
22094 49996 65008 51313 32625 81017 21632 90347 49073 78134  
24077 99277 39270 66903 07134 62095 48343 73817 82546 08880  
58502 43980 21109 95040 28996 59646 39158 02532 45937 08094  
31650 73976 36675 72238 19001 15639 28410 42448 99894 30184  
55727 72976 27223 65157 46752 31474 49367 88119 42600 14995  
83994 24395 29815 30948 16562 18336 90489 66426 40716 04072  
99740 94355 82776 96664 25241 89890 77482 39616 08487 55511  
87203 69649 32494 78239 81790 84727 05602 67426 21262 26220  
16084 46546 08504 11177 37244 97423 04184 75627 87689 80349  
21057 14863 76461 78506 39852 31619 87729 40147 13927 28115  
84708 16974 54885 02870 37514 22134 16333 38250 04623 56291  
17971 89665 22640 75197 77204 12376 84049 97204 40458 93409  
00000 +++++ +++++ +++++

**12184/10169/8079 kHz, 14-02, 1015/1024/1035 UTC**

15424 46471 93084 77977 61308 95950 02398 42212 11358 93211  
36950 22136 76371 93199 51234 64011 31680 67665 54468 41255  
55962 42977 18407 87216 63898 07166 31335 58924 93620 90907  
21695 48960 34878 52106 99782 87681 08868 18783 90941 02955  
35655 69958 58702 29596 50138 59202 41300 85710 52482 10551  
50008 58107 03959 41477 02726 63990 04140 92590 91255 81105  
10376 68777 05715 63525 85490 21436 64507 85274 84640 26530  
23302 78971 17278 38119 61452 61673 45133 22068 69296 65123  
02188 99620 84770 12573 47545 94091 00000 00000 00000 00000  
00000 00000 00000 00000

66505 70159 52752 06585 01415 35470 88122 02420 50025 98254  
63487 00422 15746 54529 28826 74972 67921 13205 14603 82960  
88826 49789 94043 43906 18020 46912 79488 90484 48748 95099  
20022 25412 56088 52237 92550 45608 61520 85168 03536 19577  
63607 41856 43548 28962 89476 27549 61849 10183 46795 83386  
53177 57121 80914 90886 73926 70765 66881 50748 29911 66781  
90999 09408 02896 76915 01630 31785 08084 05194 33914 43664  
99753 24837 38113 95073 00000 +++++ +++++

**12184/10169/8079 kHz, 15-02, 1015/1024/1035 UTC**

57602 13344 36073 04732 22511 06035 32746 16590 36282 07352  
01936 77013 18104 51590 81887 86090 87721 09035 56809 03807  
14772 51381 77744 23139 27983 16482 80016 26055 38921 45835  
64451 58358 59977 93269 34552 84320 21284 28266 06823 07042  
16237 82326 36419 65458 30321 11868 25322 43963 32934 76046  
05217 55549 36865 52958 12269 84432 55161 42663 95975 99079  
10022 30464 29299 71592 73451 08864 12243 64367 44319 81669  
86080 69982 91550 98652 00417 15247 18104 94209 00266 65339  
25444 28475 25336 88994 83190 54305 38711 70650 33626 58580  
27113 80511 85759 51261 39933 38460 78625 00639 59222 32750  
18509 38207 17822 79425 19782 81611 07833 33397 04047 49090  
46598 87119 37262 63866 92397 17801 09545 71914 27030 69086  
87339 21543 47487 78151 92634 78234 33889 84143 88917 73173  
85877 78910 78556 08902 44662 85943 41297 70547 42884 78451  
68557 16049 49514 72768 73208 43829 01948 57190 79539 61339  
42498 43594 23078 02927 01473 51361 14961 70454 94015 60389  
50553 95107 22911 93850 66980 43838 04528 16672 79279 18865  
60099 60674 49856 23687 39517 12313 70919 94035 69842 23949  
64599 17198 45697 34593 30427 88169 03753 11068 94865 76052  
48475 45505 42575 99144 21335 70138 34109 32163 30660 75310  
39721 94032 84318 41652 43976 89668 92425 22343 00840 04219  
32251 36422 43958 73168 92524 59062 81788 76770 39326 19759  
32287 32223 70740 44362 76834 82048 52474 01901 38085 02090  
51609 42121 11430 77580 10698 34693 04762 20719 29371 46009  
66230 28176 45656 14521 04665 01994 34187 10545 32373 82290  
63502 91483 84976 65224 79600 88392 97998 04648 07968 84828  
44863 20889 91240 73925 66022 65103 04702 04630 43872 12626  
16795 53027 03162 83764 86851 79716 41581 15476 17208 59144  
20207 32355 01904 91854 68499 90375 39152 35592 83543 91831  
99766 16176 28210 94896 68732 04112 57931 66256 02110 67855  
30776 50242 66452 39673 80518 52907 52944 55044 57379 64484  
83418 51528 66126 68650 50465 38049 56230 12060 58807 70519  
43762 32554 60133 94758 69706 69511 98574 42628 24399 04758  
09013 92326 92756 07480 35412 28787 99998 81587 61354 65101  
62546 38946 69966 10929 73781 46927 75435 98802 79359 23721  
93291 04294 21755 79829 41644 20955 58743 29193 90567 75984  
85482 18388 01815 97562 14909 47316 26055 69769 96109 79852  
49813 36047 75379 67853 09309 37136 29636 36997 13374 94416  
26888 07867 42641 74600 93439 50735 17187 96705 92525 97465  
49827 67256 44051 58990 27232 54646 40141 21790 86072 38585  
36174 96401 00000 +++++ +++++

**12184/10169/8079 kHz, 16-02, 1015/1024/1035 UTC**

08877 53278 86361 48191 69602 13971 27376 02247 90949 06819  
76000 36335 61434 85524 31287 73424 09440 34741 05254 92331  
97685 86209 22295 18518 45929 75996 24153 42707 92823 97547  
53900 34528 32879 30213 17356 43364 89448 47964 45383 03593  
09696 37963 05511 86416 92469 83689 36293 65450 85026 92296  
02877 88278 09538 70906 97189 71147 05319 81504 31192 58996  
97722 29147 96639 18003 29625 63148 89783 52838 16447 95946  
24453 65815 10655 69332 81944 00125 86659 22733 71180 34328  
82079 43225 97544 97083 00000 00000 00000 00000 00000 00000

14182 98900 72823 86713 65531 71540 11485 37294 04731 98517  
98841 24222 29025 63105 11486 06586 89608 74960 41144 35196  
76335 37435 49954 22662 36905 87236 87542 22567 41451 61147  
43367 84903 28487 69480 32741 79969 93129 80964 39995 07908  
03551 48731 67201 36078 56582 32119 61896 31448 08428 93950  
22259 80193 41401 77998 03154 11688 52641 96300 71495 69079  
75737 81042 84370 93636 71204 80663 88346 15048 46734 04897  
63412 64866 93182 48418 59981 55293 47205 98077 00000 +++++  
+++++

**12184/10169/8079 kHz, 17-02, 1015/1024/1035 UTC**

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

**12184/10169/8079 kHz, 20-02, 1015/1024/1035 UTC**

79175 56276 39832 12722 02062 44924 23587 81240 29221 82749  
18837 68087 16347 82367 34436 21415 98622 66748 95458 92748  
39402 56340 97590 02671 27416 98880 74891 73410 08458 71553  
29381 70515 62478 10216 95877 20783 62021 45346 40525 98661  
72958 49432 16454 98289 83429 25460 25001 33364 71958 91213  
55942 32035 50655 39059 05160 19001 44461 75900 93192 02007  
92359 73008 33098 04914 81507 80387 21074 14546 50200 85394  
48269 33492 20632 20271 57218 56050 47380 48299 91353 09509  
92538 83248 11011 27940 63460 21822 74378 50708 74030 93766  
06833 62866 15409 59355 07080 19639 47189 08919 63555 22173  
44904 44109 79520 36743 64809 45597 30279 74607 11897 56879  
00964 74689 22070 38886 78328 56282 94406 75076 94980 33960  
34471 31713 49492 11885 94583 02996 50825 99688 22012 95748  
60516 17138 51005 33343 31047 79741 99616 83551 63846 82513  
57240 40007 35361 24060 73820 11970 64621 38192 86646 02082  
20763 25240 45693 76789 93910 00270 23427 59141 77896 00372  
20024 98627 38213 18228 99936 97762 63674 54126 20747 00090  
25194 03634 40236 69300 90138 23087 12623 14160 65678 40111  
09894 38909 69582 01342 29169 23855 51894 74543 72045 65816  
15919 47312 06840 33120 11967 89540 49694 14845 02293 71846  
25452 68977 20656 57145 94268 99191 74951 07550 54870 14925  
66349 73796 60425 54444 23363 59371 07934 75585 74309 76539  
87104 43858 06579 36445 99633 72603 86159 40489 84834 94880  
35856 65166 12549 71795 95630 57537 29287 66923 13520 83538  
68520 41548 40549 96314 61080 50382 28087 16750 06583 42464  
51084 43403 91835 96917 05626 34016 67144 48265 54236 25797  
16480 80973 17378 86661 82416 97935 34578 14612 31803 92551  
43624 27457 73091 79124 51253 10046 61261 61233 93801 11209  
51277 42791 11212 07593 86029 11457 82871 76586 29671 49107  
98702 45501 82311 49039 63936 09220 36994 44602 61023 33485  
64890 78945 17106 86023 39665 70561 50501 62684 36931 54319  
94614 00792 69739 02677 22745 96880 46043 56751 22191 71029  
59078 21944 91130 44950 46577 07804 56672 26042 79785 16812  
37549 14583 68184 11786 99872 76264 90885 16580 79392 47235  
90618 29774 68699 63856 91252 56044 92800 34349 24793 84886  
21522 94529 78788 71402 92151 14807 00084 98809 40788 50640  
15858 27396 65804 53645 57884 59567 71891 85522 00960 75711  
68091 02016 51412 20545 18287 99071 46665 44629 67558 38394  
51759 30765 92861 94583 63792 59920 51460 91043 60202 96409  
25548 16843 51838 96994 86500 41725 26752 73594 27194 71450  
95655 64303 35824 10656 74963 92389 09677 25419 68386 17981  
32261 22725 32984 99413 00000 +++++ +++++

**12184/10169/8079 kHz, 21-02, 1015/1024/1035 UTC**

54729 40153 05021 94111 68340 33362 02995 74395 75626 68182  
14250 42495 05622 17485 16679 30625 08136 49050 17825 94644  
28168 91367 52583 46306 85881 27251 20058 81299 35576 82480  
95517 82784 02115 01655 78390 05104 18217 28431 62228 67353  
11079 32348 37579 11507 11735 49424 63709 04779 85626 28710  
70115 90910 07785 01978 73750 20073 31088 18757 22915 12067  
21024 13877 03748 32514 55387 99724 70242 86725 12359 00392  
83753 60926 95407 69905 72892 65538 68433 61732 49785 60197  
99613 41732 43615 65198 37372 61763 37378 89052 66914 36115  
18806 26846 20772 87964 81387 09084 41781 58031 36423 05714  
21946 92639 22049 01103 00000 00000 00000 00000 00000 00000

46110 84005 09430 93842 15176 07266 65297 20518 32804 54486  
85733 89205 32898 58817 29734 36069 77192 08604 12337 77872  
32401 26846 70680 86027 59175 09740 25474 37688 86315 91494

73811 23573 68673 27601 74274 17233 52188 13748 10256 35411  
94485 82563 42444 44219 14479 45390 86405 90795 69415 71251  
76197 65140 82799 20222 99963 21808 71631 73377 18431 16166  
46404 26514 02256 34873 82286 39826 49159 25297 84937 60725  
66779 53538 99386 61994 32191 02075  
00000 +++++ +++++

**12184/10169/8079 kHz, 22-02, 1015/1024/1035 UTC**

57602 13344 36073 04732 22511 06035 32746 16590 36282 07352  
01936 77013 18104 51590 81887 86090 87721 09035 56809 03807  
14772 51381 77744 23139 27983 16482 80016 26055 38921 45835  
64451 58358 59977 93269 34552 84320 21284 28266 06823 07042  
16237 82326 36419 65458 30321 11868 25322 43963 32934 76046  
05217 55549 36865 52958 12269 84432 55161 42663 95975 99079  
10022 30464 29299 71592 73451 08864 12243 64367 44319 81669  
86080 69982 91550 98652 00417 15247 18104 94209 00266 65339  
25444 28475 25336 88994 83190 54305 38711 70650 33626 58580  
27113 80511 85759 51261 39933 38460 78625 00639 59222 32750  
18509 38207 17822 79425 19782 81611 07833 33397 04047 49090  
46598 87119 37262 63866 92397 17801 09545 71914 27030 69086  
87339 21543 47487 78151 92634 78234 33889 84143 88917 73173  
85877 78910 78556 08902 44662 85943 41297 70547 42884 78491  
68557 16049 49514 72768 73208 43829 01948 57190 79539 61339  
42498 43594 23078 02927 01473 51361 14961 70454 94015 60389  
50553 95107 22911 93850 66980 43838 04528 16672 79279 18865  
60099 60674 49856 23687 39517 12313 70919 94035 69842 23949  
64599 17198 45697 34593 30427 88169 03753 11068 94865 76052  
48475 45505 42575 99144 21335 70138 34109 32163 30660 75310  
39721 94032 84318 41652 43976 89668 92425 22343 00840 04219  
32251 36422 43958 73168 92524 59062 81788 76770 39326 19759  
32287 32223 70740 44362 76834 82048 52474 01901 38085 02090  
51609 42121 11430 77580 10698 34693 04762 20719 29371 46009  
66230 28176 45656 14521 04665 01994 34187 10545 32373 82290  
63502 91483 84976 65224 79600 88392 97998 04648 07968 84828  
44863 20889 91240 73925 66022 65103 04702 04630 43872 12626  
16795 53027 03162 83764 86851 79716 41581 15476 17208 59144  
20207 32355 01904 91854 68499 90375 39152 35592 83543 91831  
99766 16176 28210 94896 68732 04112 57931 66256 02110 67855  
30776 50242 66452 39673 80518 52907 52944 55044 57379 64484  
83418 51528 66126 68650 50465 38049 56230 12060 58807 70519  
43762 32554 60133 94758 69706 69511 98574 42628 24399 04758  
09013 92326 92756 07480 35412 28787 99998 81587 61354 65101  
62546 38946 69966 10929 73781 46927 75435 98802 79359 23721  
93291 04294 21755 79829 41644 20955 58743 29193 90567 75984  
85482 18388 01815 97562 14909 47316 26055 69769 96109 79852  
49813 36047 75379 67853 09309 37136 29636 36997 13374 94416  
26888 07867 42641 74600 93439 50735 17187 96705 92525 97465  
49827 67256 44051 58990 27232 54646 40141 21790 86072 38585  
36174 03401 00000 +++++ +++++

**12184/10169/8079 kHz, 23-02, 1015/1024/1035 UTC**

54879 09733 11788 70895 85036 45950 12517 35166 21513 64016  
81562 75435 05396 32722 54654 04219 43565 83022 44347 48225  
64275 04705 17136 02704 32608 42383 67157 68686 80464 64239  
53661 09093 30809 01962 94434 84606 20828 85305 32371 55284  
53707 19725 17377 58818 33709 80510 70795 01402 64235 21859  
24530 22128 13573 24334 52075 16856 77993 29134 33618 32498  
96909 32619 22417 67643 99770 39525 04634 40475 89377 98313  
69807 09904 91321 67079 34171 60868 24208 04077 00000 00000

86381 16530 51201 90022 65569 46149 66431 95500 07873 73535  
89236 71614 62463 34455 23036 33388 69081 25740 17582 32576  
76518 16408 18338 73331 64697 76862 06198 79536 25070 99584



94721 49724 78989 09778 77074 60540 38766 89375 39868 04680  
41083 62884 86073 74223 07465 18467 34214 25338 11482 62722  
86007 85243 57382 32592 79660 87418 99839 12838 70982 45958  
59494 32518 09537 05027 13988 38905 01979 24358 69177 72289  
79808 86708 40204 90088 13689 38243 97116 13721 41543 97751  
54737 96662 02605 05083 00000 +++++ +++++ +++++

**12184/10169/8079 kHz, 24-02, 1015/1024/1035 UTC**

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

**12184/10169/8079 kHz, 27-02, 1015/1024/1035 UTC**

02622 82753 63069 06310 72747 90701 07282 39094 42037 97893  
16373 97379 33463 34197 89757 03611 61066 53976 95029 49641  
28538 72729 69911 00229 15391 41718 14140 46219 11678 65268  
94733 24638 87164 90439 13079 47856 05933 23741 07265 09031  
22315 54588 88112 55998 19124 90184 32337 50816 74101 31515  
81265 57134 65525 45143 18571 22583 52918 10495 25437 48376  
93790 47316 36611 63303 82350 53001 45768 44301 21134 04458  
33626 50802 61474 04230 17260 65033 73760 75524 44042 55462  
33418 35871 78641 05579 33546 04071 56542 75188 60162 20136  
02485 86417 90966 82905 37305 51615 03597 35025 21573 85331  
04276 49980 09498 67570 12824 00858 11518 50497 64938 15546  
89018 25788 17714 48039 29626 94818 69307 20547 76488 08863  
28711 16089 10018 71511 96553 26270 05494 20468 42883 83912  
14994 30943 92847 35245 47076 07810 56234 31326 42650 58716  
61787 43391 70479 65345 82252 31824 90748 95005 61077 23415  
60137 19738 76716 76613 76831 35140 05462 39460 88918 96070  
68753 29876 14592 11447 75899 93005 47617 65306 98138 15299  
46485 56329 34997 00016 30695 72999 58855 33846 32603 46606  
48688 99333 78276 49256 48894 12781 95785 29099 14162 92335  
74384 99945 26311 85938 22992 27465 94042 13825 01442 79159  
71533 05256 22914 30286 56821 34185 51003 42928 55910 83535  
39846 60400 23534 92772 90756 84172 16520 68474 23802 25495  
20689 62569 87758 48924 37225 47940 56881 49933 39454 46080  
87930 33781 35976 86486 35888 87849 01077 02480 51800 64619  
58365 93135 11195 17479 28570 06015 46491 56555 77433 20393  
81863 16746 24641 35648 93969 55154 99723 94528 47010 20099  
55870 95958 75530 58895 77586 77094 13423 56596 43140 69292  
92547 22877 27731 57702 59430 69246 58316 99155 83457 43784  
56036 78044 55016 15585 27177 04870 97008 26093 88600 87166  
38188 49521 38592 27464 21748 29538 09048 27995 47596 84414  
59953 06827 71767 97815 02083 55105 11396 37417 58854 90103  
28694 68552 03294 83750 92369 55057 31019 71345 39930 64512  
55210 70130 89292 20073 34483 62408 73152 66058 69607 22916  
94547 39504 30021 95099 27046 64861 96055 46026 07998 14022  
27829 54577 98299 98865 96731 12646 07096 88517 40452 43999  
04852 68495 27471 70505 73258 83940 41967 80419 65377 34118  
25071 78397 74481 10379 33407 21942 35030 94754 00848 73956  
04203 61400 14445 26110 97440 48041 40440 72677 76427 89637  
61323 39565 12952 31438 09862 98192 77086 63619 11033 18936  
23116 44692 67811 43794 71660 05864 51740 82994 11432 53548  
84222 06401 00000 +++++ +++++

**12184/10169/8079 kHz, 28-02, 1015/1024/1035 UTC**

04736 72417 24502 42291 88018 75300 03604 22857 24238 63890  
86630 51573 01641 49595 56581 48190 17781 89218 17555 08671  
04792 80013 13815 19247 93411 48603 18086 16664 07977 94664  
93781 18063 09552 75357 60841 68917 29397 41391 19872 82488  
59954 60710 14272 69205 95536 90697 35039 79437 39917 84861  
97932 08076 22997 44930 47695 34371 93742 54287 69005 95463  
81584 53706 08862 17043 43451 45293 40075 49567 38646 35598  
20567 83496 98736 53820 28152 41958 84654 06055 75496 07079  
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

61988 23158 91704 01388 76748 74354 21676 56240 51283 24859  
45673 45218 99246 70552 56165 70974 10433 18097 49906 09546  
01331 06457 79325 86031 87263 36345 43457 48029 43294 43498  
98120 35250 46089 76755 90017 68778 13928 66845 44447 08384  
87044 96840 61318 51345 15483 10208 99155 71217 46672 17396  
51776 19966 29878 86891 47330 41934 79756 31688 24395 73050  
66161 27102 64805 23735 22415 20876 87909 68929 89223 21500  
35942 93700 36426 75698 05190 67841 29757 71008 02654 47916  
34822 24399 32883 30181 75466 42862 44674 08087 00000 +++++

F06 – FSK 200/1000

Link 00000

**5913/7992/10687 kHz, 01-02, 0800/0810/0820 UTC**

11100 00000 56291 01006 02529  
34015 06551 26864 27672 08216 19951 81148 11981 76529 06975  
01660 32039 16946 72885 66255 09814 77760 26411 29876 51533  
22704 24170 40437 95870 15631 12856 43485 05984 24444 67606  
67811 66328 48947 50006 09209 70208 02306 34157 54567 08971  
00810 74248 13477 98814 41632 12070 49551 06119 73251 47905  
28637 57256 88248 23239 26106 43810 93143 88722 60419 59138  
34982 55824 45149 27229 89337 55615 76642 09771 39436 53119  
99516 02388 01071 90661 17179 55973 73015 58668 39545 84052  
17608 17339 85162 42129 01198 17633 79906 89927 49145 95019  
19452 72494 95057 34409 87698 81080 28953 29715 48342 79745  
74038 86492 51777 08625 46782 41065 24521 99790 79980 94602  
33342 66650 13503 85578 41284 52818 82389 49040 97773 51398  
57011 36131 29996 30609 14962 92312 27723 26698 49374 17703  
38797 90081 43357 57995 17439 95638 65226 99370 92570 53106  
64224 65854 48361 78507 71422 42554 34149 12554 35474 73209  
45956 96960 47932 05502 46773 44602 37797 82550 17797 64460  
39991 04039 57811 27290 67447 05409 72905 82949 41499 28557  
23710 65323 60256 82472 22337 45785 09664 17256 96214 21129  
46912 59952 61012 46914 10909 85637 69822 52158 39480 22200  
30809 96308 98010 12246 10497 54444 49178 80575 64894 41637  
18507 80660 65631 12405 35398 18564 13311 96204 54339 77739  
55253 54897 85980 93143 49815 73122 92753 48109 44491 17522  
28739 92401 59960 25746 28448 04910 97283 11181 74230 49401  
10433 94346 96971 96783 11339 96878 89783 12302 99641 59051  
39372 31121 34347 66776 04766 70721 89550 99010 98095 53549  
06250 00000

11100 00000 98054 01007 02529  
11511 61399 38353 73299 87022 16165 17255 88402 41601 64730  
40320 14192 69237 28307 44828 68184 88160 26224 43409 68488  
38697 84023 58293 73792 26949 70572 00578 48440 93951 62600  
86697 13551 15007 60123 09297 70109 58879 01190 04676 04966  
61551 49366 84011 15682 94202 52429 20534 15162 30128 95677  
09850 02013 40263 98310 45590 07556 72009 26316 77587 55440  
91050 20292 44755 94792 90841 61657 99856 92834 99466 25668  
68370 97918 38542 94694 08607 08903 13859 30187 65297 11816  
42451 26774 33816 69745 45784 96918 77245 76881 63729 59590  
63450 12662 69040 31369 14367 56954 87001 43430 84679 52203  
49935 32850 12087 23497 41263 81659 06332 92475 08810 02096  
69191 46025 52023 91471 62609 45698 12815 05128 67163 88788  
24702 20874 98046 57007 99931 93377 70766 13696 59285 21934  
33723 35508 34246 80047 09885 89501 96215 80270 14723 91583  
92471 72731 42606 07231 93546 00795 38845 80444 81724 62282  
99558 01858 35337 49704 66569 51939 88545 67927 09497 80240  
71303 52723 12259 06605 59174 38635 06137 55297 87713 49596  
16628 57972 11072 10737 16242 86435 09540 04829 00451 01121  
75694 21788 28963 26234 33854 74682 99522 87486 72517 80688

46416 73371 94478 30414 80869 05911 14309 94049 15528 31806  
57882 37768 40209 69949 43651 48813 41112 76205 50331 92721  
80665 11426 00718 51112 80215 23624 16286 13473 72725 80237  
22293 21395 17694 11438 08048 88685 95450 50405 72047 45791  
23055 81518 06663 81982 58941 32386 02063 83724 88542 70668  
74065 92682 08042 91621 45601 31786 48470 07296 36477 72800  
07250 00000

**6957/9425/11611 kHz, 01-02, 0900/0910/0920 UTC. 4 messages**

11100 00000 56291 01006 02529  
34015 06551 26864 27672 08216 19951 81148 11981 76529 06975  
01660 32039 16946 72885 66255 09814 77760 26411 29876 51533  
22704 24170 40437 95870 15631 12856 43485 05984 24444 67606  
67811 66328 48947 50006 09209 70208 02306 34157 54567 08971  
00810 74248 13477 98814 41632 12070 49551 06119 73251 47905  
28637 57256 88248 23239 26106 43810 93143 88722 60419 59138  
34982 55824 45149 27229 89337 55615 76642 09771 39436 53119  
99516 02388 01071 90661 17179 55973 73015 58668 39545 84052  
17608 17339 85162 42129 01198 17633 79906 89927 49145 95019  
19452 72494 95057 34409 87698 81080 28953 29715 48342 79745  
74038 86492 51777 08625 46782 41065 24521 99790 79980 94602  
33342 66650 13503 85578 41284 52818 82389 49040 97773 51398  
57011 36131 29996 30609 14962 92312 27723 26698 49374 17703  
38797 90081 43357 57995 17439 95638 65226 99370 92570 53106  
64224 65854 48361 78507 71422 42554 34149 12554 35474 73209  
45956 96960 47932 05502 46773 44602 37797 82550 17797 64460  
39991 04039 57811 27290 67447 05409 72905 82949 41499 28557  
23710 65323 60256 82472 22337 45785 09664 17256 96214 21129  
46912 59952 61012 46914 10909 85637 69822 52158 39480 22200  
30809 96308 98010 12246 10497 54444 49178 80575 64894 41637  
18507 80660 65631 12405 35398 18564 13311 96204 54339 77739  
55253 54897 85980 93143 49815 73122 92753 48109 44491 17522  
28739 92401 59960 25746 28448 04910 97283 11181 74230 49401  
10433 94346 96971 96783 11339 96878 89783 12302 99641 59051  
39372 31121 34347 66776 04766 70721 89550 99010 98095 53549  
06250 00000

11100 00000 98054 01007 02529  
11511 61399 38353 73299 87022 16165 17255 88402 41601 64730  
40320 14192 69237 28307 44828 68184 88160 26224 43409 68488  
38697 84023 58293 73792 26949 70572 00578 48440 93951 62600  
86697 13551 15007 60123 09297 70109 58879 01190 04676 04966  
61551 49366 84011 15682 94202 52429 20534 15162 30128 95677  
09850 02013 40263 98310 45590 07556 72009 26316 77587 55440  
91050 20292 44755 94792 90841 61657 99856 92834 99466 25668  
68370 97918 38542 94694 08607 08903 13859 30187 65297 11816  
42451 26774 33816 69745 45784 96918 77245 76881 63729 59590  
63450 12662 69040 31369 14367 56954 87001 43430 84679 52203  
49935 32850 12087 23497 41263 81659 06332 92475 08810 02096  
69191 46025 52023 91471 62609 45698 12815 05128 67163 88788  
24702 20874 98046 57007 99931 93377 70766 13696 59285 21934  
33723 35508 34246 80047 09885 89501 96215 80270 14723 91583  
92471 72731 42606 07231 93546 00795 38845 80444 81724 62282  
99558 01858 35337 49704 66569 51939 88545 67927 09497 80240  
71303 52723 12259 06605 59174 38635 06137 55297 87713 49596  
16628 57972 11072 10737 16242 86435 09540 04829 00451 01121  
75694 21788 28963 26234 33854 74682 99522 87486 72517 80688  
46416 73371 94478 30414 80869 05911 14309 94049 15528 31806  
57882 37768 40209 69949 43651 48813 41112 76205 50331 92721  
80665 11426 00718 51112 80215 23624 16286 13473 72725 80237  
22293 21395 17694 11438 08048 88685 95450 50405 72047 45791  
23055 81518 06663 81982 58941 32386 02063 83724 88542 70668  
74065 92682 08042 91621 45601 31786 48470 07296 36477 72800  
07250 00000

11100 00000 65789 01008 02529  
24780 28800 86428 22979 76600 68208 14590 67317 55703 49511  
43695 94066 36860 98882 41217 98564 61671 23918 18051 74922  
73818 83619 47218 53252 23938 06534 23278 40507 92563 99213  
73405 19616 04575 12206 56072 86615 33586 55742 08252 30452  
19711 82325 27104 85146 49151 78400 97071 09016 69028 32290  
98317 70626 35916 70590 57453 46174 21500 80212 26487 57982  
23796 58251 00935 08797 57386 56881 13023 91569 21081 15450  
60935 79414 66473 96975 60023 25438 15802 71216 26935 27107  
02569 11521 32583 34862 33351 97625 84906 09658 94241 41604  
27346 59111 50348 79140 63988 06954 11814 93332 47306 75473  
64756 63191 89423 85628 90605 54044 82870 04528 22248 92014  
41732 94962 10425 89771 99156 46671 98825 15740 22143 94035  
31310 23949 29551 49888 39689 86722 24275 10120 85521 97376  
75512 08776 54346 35134 12066 28330 25788 09429 12626 94817  
67989 25793 03951 12524 29791 40516 02909 17906 29106 96256  
63292 57448 60916 55799 13366 19118 73347 76150 95062 72138  
85236 90143 40792 94734 43647 87759 48770 94566 44761 14336  
42830 51518 66588 27862 27641 37540 86925 82542 75271 93232  
85017 30815 04046 65849 50333 61019 35612 38420 46917 12891  
41183 04669 06746 38078 12862 69422 50518 97863 21010 79199  
59330 15289 43590 12655 45669 23844 78414 85576 97148 79948  
74240 50128 91452 31366 41655 93007 05896 58787 29678 62225  
70055 32723 79030 77180 34901 52933 87996 01724 56880 62553  
51818 84903 20362 54119 61573 99064 46918 09675 73449 30009  
64840 42145 84375 98883 37363 30173 74937 20503 73003 63592  
08250 00000

11100 00000 12789 01009 02529  
92820 21983 06326 62817 54721 64336 02155 61380 40246 33517  
45987 20869 92736 38306 17058 89093 84430 80778 05207 87587  
59686 41206 79156 71756 29490 19315 36531 99716 09410 92820  
40301 33273 18197 79192 71341 19448 79224 11573 51788 26024  
91936 64798 18885 29532 65511 92453 54006 79103 31919 60899  
96542 84652 80552 91204 97335 02810 81641 44941 91355 19040  
90612 14744 94297 49396 50599 05609 52799 10338 35281 17846  
02951 30053 99244 67626 16803 99721 28052 06074 41540 88157  
05201 22817 61027 68266 38166 44960 34397 28761 10718 67400  
91385 69562 53689 75429 89085 04334 51391 45555 59817 18582  
25857 35486 04801 56756 66114 99216 13313 36798 94652 88139  
12022 15562 88296 24138 74186 53554 95648 55584 43404 52428  
18319 32190 51597 63673 48090 59632 35929 91921 77249 19917  
84326 41334 24231 68388 64308 78484 41799 43345 14800 10183  
99920 49184 05624 99682 60539 99029 94357 69701 86437 27754  
35233 65695 51356 11367 19783 77826 43579 53668 53911 45057  
80164 26145 01072 89813 73995 72009 46256 56650 20869 10351  
60459 53358 98774 01306 70332 17948 96576 58221 62690 59958  
14279 17707 78572 49505 02053 03552 76544 52536 30232 45415  
69921 35701 07438 38249 67608 89301 89053 53368 73238 41731  
43203 37135 22302 63871 66447 58164 61946 86851 66366 89005  
03148 81637 53232 33242 99924 73866 07948 33928 35298 92379  
18436 24315 18666 74876 01686 06803 24305 79139 53621 71046  
25665 73265 93994 87164 05148 03332 98481 34980 44075 61945  
35178 55237 22504 06112 47671 33723 83604 97848 51887 54241  
09250 00000

**13921/12167/10271 kHz, 01-02, 1000/1010/1020 UTC**

11166 00000 23856 31054 00359  
48030 18634 58215 37242 29605 34762 62977 60813 10949 94273  
87979 89841 40800 21581 14971 92535 22421 68741 31012 22830  
92286 89785 13112 19993 85836 55731 86725 41144 14933 02480  
97417 65157 46966 54033 00000

**12167/10271 kHz, 02-02, 1010/1020 UTC**

11166 00000 96482 01055 00389  
73916 38353 91588 04701 55878 38265 79089 00383 54220 36402  
61950 67824 55207 84640 36058 88655 88184 51076 96404 57809  
03873 94636 17942 09804 35956 77671 56171 83282 57029 02754  
80676 63106 30953 07052 20733 42318 55036 00000

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**7954/5452/4035 kHz, 04-02, 1400/1410/1420 UTC****10687/7992/5913 kHz, 05-02, 1030/1040/1050 UTC**

01224 69526 64525 95449 97213 04270 68364 46022 10776 94635  
28197 61257 47687 84722 15557 29070 73762 09830 13072 68247  
86138 46626 34045 70071 40120 41146 31179 85734 05035 81805  
30415 39257 47531 09625 50798 70563 65745 82847 96317 38434  
22798 38142 30651 38006 53034 15565 70771 12505 39458 39496  
60320 63913 85801 72703 08721 92242 31649 85748 06936 18112  
84077 08907 55838 68312 64227 58800 68101 29051 92263 56921  
29579 96550 59138 82237 31076 79705 58624 25066 06488 34480  
78027 34411 38203 34720 71031 75935 15750 09091 61112 42775  
58588 98806 48952 86363 39002 15858 22298 59472 66032 06400  
91695 88636 16379 49019 00545 18171 23210 42546 82903 92950  
58824 63097 67485 72148 72097 95059 51289 91123 66644 65671  
91290 13631 30653 37917 87636 41558 54308 41401 56788 74373  
95750 45906 18036 35452 81510 07304 41831 07503 52352 40527  
33378 44254 90466 99272 49910 50598 88944 67136 75098 48383  
49476 89853 99026 70031 19214 03349 77168 47183 02723 37266  
66807 62161 00000

**7954/5452/4035 kHz, 11-02, 1400/1410/1420 UTC****10687/7992/5913 kHz, 12-02, 1030/1040/1050 UTC**

11100 00000 65314 10063 01739  
63502 43621 72440 41864 61645 78955 58045 43744 86298 08476  
86814 42937 06559 69045 74974 55124 48562 04997 87427 96008  
21751 93200 31840 95489 08512 85023 37194 34208 65639 07378  
27765 57138 11044 90028 28429 43917 94158 11366 62271 40603  
73472 79821 26404 82544 49626 93114 56955 63050 27520 42517  
19149 27550 05858 54329 83420 97925 17566 85743 73509 56714  
69539 17300 97456 45853 55131 09101 97451 59668 37840 12990  
79466 36785 29623 57874 08613 80659 12280 50373 81151 63399  
75331 57995 09112 92583 68850 67015 78434 45748 94664 32252  
66598 02249 84377 60917 30646 27157 37645 97749 01564 86907  
19140 03593 45948 01370 37651 44624 80889 62025 55739 34411  
53019 70954 03410 95996 17655 80305 94212 36179 78978 36943  
67236 49194 77191 61960 03404 91977 33571 19737 89530 98199  
89387 56231 99552 85091 34295 77583 10122 30464 04316 80199  
55285 09134 29577 58310 12230 46404 31680 12726 29491 87051  
48712 77308 01774 56529 42579 09812 33929 34542 64032 00095  
30796 97987 36106 31079 20724 32349 79845 51128 36239 28737  
68254 63171 00000

**7954/5452/4035 kHz, 18-02, 1400/1410/1420 UTC****10687/7992/5913 kHz, 19-02, 1030/1040/1050 UTC**

11100 00000 32647 17064 01879  
57953 49170 14045 81125 48830 67738 83554 90819 02060 27894  
05460 61345 36559 94034 25747 17642 27005 64408 35050 84817  
33676 89126 02450 75935 35146 02332 80088 33805 30981 04472  
58261 25213 06653 55601 75691 11034 77847 65657 14665 40662  
56346 92651 35715 44188 04688 84700 31552 20773 71779 26847  
04908 46650 26660 78604 00001 51196 32582 13159 42303 34496  
28631 94166 66290 24865 11037 51094 35874 99734 31388 39026  
87185 18363 53922 93880 48427 39799 39096 18977 16449 24537  
45596 63888 94754 43294 68012 81515 22623 41368 52330 74317  
50028 31982 56447 65649 38049 17088 47899 57123 89452 59030

55973 57950 39142 51545 20413 97193 59159 63498 03885 54860  
57914 53823 60405 72787 78358 81083 76913 31245 24749 56107  
30171 02205 72735 11115 26186 15198 42420 83801 14346 96720  
39101 39788 93436 69097 91372 81895 51750 19767 41287 19667  
08465 76909 66240 97584 48470 52358 37298 05418 67851 37742  
43621 19132 72193 64774 37707 45806 94913 65651 81101 70989  
27797 94484 95304 31938 80923 95697 47527 65165 14184 30338  
26000 01751 07561 96243 84529 08837 62366 02981 60966 00757  
50628 87517 99297 68223 54802 64185 00000

**7954/5452/4035 kHz, 15-02, 1400/1410/1420 UTC**  
**10687/7992/5913 kHz, 26-02, 1030/1040/1050 UTC**

11100 00000 92541 22065 01959  
93082 68478 52404 74548 61853 26230 37105 10104 61504 41959  
43650 84959 59616 17607 76929 74519 62974 10910 19649 37402  
65125 66914 58638 90743 41680 88260 05016 54757 91810 36416  
69129 71199 49383 81065 76227 25464 12141 39820 33784 26971  
62412 75460 86426 27543 77741 42869 19396 82457 54906 02877  
96478 83868 95758 45172 43351 21268 28304 87499 12273 48695  
61484 43294 89057 63367 97085 74980 28278 25426 47214 75089  
27622 73480 30770 42399 77350 15642 47371 45288 45786 00736  
52151 89472 86784 99371 79872 32334 80100 49567 91794 11015  
40619 46614 43740 76467 57355 81860 98776 50652 48192 60116  
32977 49064 41263 50352 07678 35782 18947 49391 06679 03220  
85384 63277 61825 93779 43482 35997 15402 05584 92310 80269  
92785 49468 80862 90055 83782 49449 79090 39508 56103 03821  
52168 98027 49399 49088 48914 16119 23300 93924 40305 61738  
57897 15333 69038 11817 30108 34196 96052 28646 14349 12419  
54969 75812 80969 38834 50329 69904 66905 10328 13763 43871  
25968 61004 60970 77184 41673 22006 11291 56959 04422 40244  
29505 38950 30027 74706 50946 26564 47951 05429 50538 95030  
02774 70650 94626 56447 95105 60398 93086 43729 38347 70453  
10946 62648 39569 65193 00000

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**6851 kHz, 13-02, 1905 UTC**

11100 00000 35078 13001 04009  
36282 15878 42169 15969 25728 48467 07572 33703 60077 09060  
57024 24623 89138 07425 17948 93789 52932 92269 51930 14352  
18255 77827 06380 79568 07531 31860 73304 90474 05886 54779  
03663 21375 57384 04567 50721 30364 86353 47184 40841 07046  
04760 37156 95158 74653 91540 58020 50574 88752 54860 77323  
53492 99702 13202 95861 24759 71093 56254 95840 19230 71305  
71515 17653 28394 80422 47556 19956 99512 79649 89887 02734  
69694 15442 10355 98041 38350 55531 76009 58108 26464 79032  
28392 95492 96116 67814 09158 54975 28708 91341 52995 21877  
85293 02142 33756 96493 97503 84121 74756 89327 62457 20893  
59170 16812 40116 76311 01460 02201 76526 04402 65774 11339  
01365 30876 42264 77966 73250 73411 17244 98269 71240 92890  
98130 99359 55955 92785 79118 11355 48774 08876 58502 97777  
02532 56476 43604 23927 62154 27386 04236 67933 38680 53724  
60628 04175 45090 80844 16779 13746 67400 16528 75141 01662  
69435 48627 93601 25494 54739 48353 70677 65107 34049 01401  
69875 88214 71774 34090 19153 91402 09916 26710 46403 21349  
92864 31268 36926 05889 41514 35810 23797 49644 50136 42515  
47097 73879 04432 51753 42912 05297 44229 69270 48068 43431  
19232 78727 31521 61356 11286 46741 88342 19372 21573 52641  
57247 96371 46196 60118 47584 68571 88574 72956 86745 90288  
82089 42035 23919 56462 21433 15781 51127 51598 26073 51277  
27490 14821 84292 28195 17644 75737 51230 32747 80264 40782  
99359 03848 67616 34737 44856 58670 22085 27120 98268 39784  
80611 98117 12956 51060 22978 23765 29704 74536 24877 85039  
40983 85426 01705 30582 23262 07459 54015 47703 10833 75738

50568 21393 09572 99311 09919 85993 74084 40632 66469 99247  
96661 54100 31945 93383 81492 50877 88206 82950 02573 82158  
72350 34076 68731 58082 40035 24833 44233 44484 17965 51410  
98383 04657 81470 59774 82569 78328 18127 07503 58185 15026  
63342 85479 23875 04029 18859 54149 15520 68087 90100 73999  
77428 13097 03302 34975 28153 50922 88367 14505 69361 37550  
38387 18829 11232 93759 81746 87312 12773 00505 27775 64436  
60526 86184 71871 69153 34097 48005 71029 16292 31919 74599  
25718 69701 55725 62114 29047 31815 77145 40936 69151 99342  
34865 55248 95738 39743 35793 62613 86735 68203 58665 45759  
75961 29781 83536 53754 27787 16419 95577 14776 69692 73500  
36635 87639 18680 75658 02977 44288 62464 76489 12670 00426  
81396 61901 91025 36482 22039 61747 47541 76099 58340 99455  
42795 14324 01346 84335 68707 12693 43381 76237 01398 00000

**6851 kHz, 16-02, 1905 UTC. Note de ID. That was 00000 on the 13th**

11100 00608 54879 16004 03599  
76528 87596 66442 07026 10886 05737 36848 97326 52476 57762  
85618 25698 23469 91124 07993 33253 29018 04515 37048 58496  
02248 41556 55923 17202 97387 25228 13662 00352 73236 43936  
99343 63587 34150 25194 54221 06598 20731 57831 26518 65884  
67416 48676 98594 69346 69146 24650 41171 26117 24301 16211  
74277 50096 46100 83074 39638 40603 59637 68168 14166 68605  
26754 90736 19259 41945 65932 14551 05583 48008 59391 52149  
18031 97274 64582 91052 70548 16182 72261 52887 85503 62742  
78333 21360 77304 63360 61658 00015 84930 94261 84990 85710  
83089 56006 61263 68766 26666 14497 52380 95694 08161 06928  
92724 55476 32811 36114 54558 75310 41066 01641 97499 36761  
33118 41262 69276 48270 75170 80992 49935 34941 92132 17325  
56688 31553 76426 80023 51605 89730 67596 48908 19312 35213  
82402 23089 06901 36160 00094 66080 43240 68428 32548 75223  
79859 88758 33952 48870 20605 51810 29727 49757 32255 31984  
69384 88005 53281 35958 32983 72187 42935 16900 45896 01903  
37857 26259 81566 00290 08401 64109 56928 09917 31836 13950  
50207 00492 24650 72931 95756 61825 01104 13416 35641 80483  
50258 36832 32641 23574 48636 05748 74376 78090 50717 65104  
23223 19272 24460 88547 91724 06389 24019 10796 48175 29427  
16868 31980 82068 55069 07494 04892 84098 45445 24874 41081  
20390 48060 65894 96740 05671 80367 11928 24310 05040 57390  
60732 00739 19048 35864 40875 68354 31762 73306 00864 49255  
26507 25477 90167 19186 98969 30645 74327 51815 22351 54113  
51326 69364 44265 91440 61426 60525 20052 53782 07648 51592  
12215 83803 29070 41760 10652 75594 94170 38519 53374 97028  
06353 54085 52410 37998 38883 48798 54559 32966 41396 32439  
91704 31274 85184 59386 00368 13640 39431 78564 15177 78280  
95596 24107 65959 45111 82135 57687 33131 51438 36726 98444  
41072 37599 28219 01444 94183 45979 45471 70607 85299 81845  
95261 17064 31161 09436 76485 98830 14615 81734 22796 02799  
38250 27384 30891 54926 19141 43157 16644 69600 79392 65434  
66235 74093 12176 19129 74507 69053 27937 67476 87703 10971  
10468 11159 92795 27552 37534 10168 20579 01942 45734 26866  
54720 86730 44289 13679 63957 33687 07441 93846 99624 50145  
00158 08685 25703 17994 16821 29788 73573 04357 00000

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**16071/13547/10787 kHz, 15-02, 1400/1410/1420 UTC**

11100 00000 48569 15003 04909  
77677 78613 17797 69626 50461 98656 62576 36175 95597 81885  
44497 64803 84531 08948 58865 67361 28161 67511 84902 19432  
76730 45488 20657 78604 29981 75545 74249 84494 55991 23055  
72422 45192 42149 34698 72290 39811 26690 89901 87272 91857  
84233 22290 63101 93065 63769 03348 64886 82428 02515 05472  
61135 10078 64097 86611 15693 40723 74480 63677 23527 76325

54092 66898 51296 02698 69570 92337 68647 89720 53585 94730  
81160 99850 66162 87844 00909 84630 95940 44544 15537 73863  
24820 13757 41821 87153 04419 96514 74642 22504 17784 48265  
67293 01642 24798 99646 04091 76775 14712 12899 51189 28470  
14240 16112 96573 09312 24670 82490 15135 13068 86404 46832  
19788 74026 94381 76387 84567 26186 12820 38318 50617 77012  
62710 30909 51046 75421 80500 70750 15558 78692 71409 53057  
40805 47993 05810 27322 37405 27211 32110 55485 89554 84763  
04582 44818 88175 23091 49565 72697 23539 85511 18488 45457  
48293 15125 01142 58519 46843 45456 97649 49973 72014 27527  
72561 64804 34941 23033 39512 71953 59110 18333 49894 01394  
34508 38913 83957 93421 32796 69043 67800 77331 69468 06280  
64671 21681 23908 05529 14023 23322 53304 92348 16763 27391  
61338 50172 90127 95440 07611 11146 40630 63909 68710 05270  
28499 60099 86897 47527 22077 67875 67309 67682 65579 60250  
09646 12453 08683 41049 85262 74726 71361 62852 95612 29514  
42416 13391 72971 81331 35132 87582 09386 52699 48504 87406  
24785 68432 07464 16793 10187 15426 80549 63723 06937 82617  
98455 86722 07928 10807 21897 47933 91719 07033 32227 59960  
25515 03180 43251 38675 97915 63523 57660 79156 67403 70875  
16542 96973 37479 46038 15389 01980 94402 80244 85046 96821  
68464 85273 61046 17332 04731 90928 89750 57018 54203 44572  
44752 42807 21318 92387 51969 54255 28738 47077 46858 03403  
85362 71668 12212 17452 68499 34122 69938 91479 56135 12430  
25302 03341 70238 54885 87030 07977 17036 25219 11743 53303  
35202 87285 46132 84866 87892 08990 65335 31458 59566 90133  
30939 88871 43524 43882 17043 43995 31115 86527 77837 06421  
38536 15241 55112 39762 32169 78500 49150 09863 38384 68888  
01437 92096 48766 92923 62623 04926 56673 97652 44178 61921  
86091 58649 77173 59430 98710 59138 26630 42070 90156 14914  
34876 13248 11320 24749 92335 82879 75727 50982 59209 69512  
38882 59962 86456 99022 60508 77050 09546 67084 85653 35853  
13388 57596 05568 26390 91897 34255 84311 71865 50628 47455  
62018 88749 25904 23715 70762 09839 18894 29801 23950 75002  
68073 28760 65196 19279 08488 70015 87604 13042 91282 80752  
59392 33882 61916 50745 16810 74935 20511 27836 10272 19309  
12756 66242 14658 35319 24835 94890 39703 72208 80771 97946  
01432 61046 65674 24749 40557 50488 23282 71322 98791 32087  
01278 00655 89011 34843 42779 93943 20197 93677 47471 49974  
63105 21525 50794 74834 67593 39716 94645 29155 67545 46365  
88014 25047 34335 27413 81001 89940 64756 40052 00651 39503  
14371 23189 22039 26829 12193 14652 73054 60081 17671 79822  
96303 05785 05885 81380 16586 19948 91905 44850 03488 00000

Link 10053

**14983/13379/10948 kHz, 05-02, 1530/1540/1550 UTC**

11166 10053 65479 05001 00049 00000 00000 00000 00000

**14983/13379/10948 kHz, 12-02, 1530/1540/1550 UTC**

11166 10053 13697 12001 00049 00000 00000 00000 00000

**14983/13379/10948 kHz, 19-02, 1530/1540/1550 UTC**

11166 10053 75321 19001 00049 00000 00000 00000 00000

**14983/13379/10948 kHz, 26-02, 1530/1540/1550 UTC**

11166 10053 54879 26075 00049 00000 00000 00000 00000



**13377/12225/9139 kHz, 07-02, 1650/1700/1710 UTC**  
11166 10053 75894 07001 00049 00000 00000 00000 00000

**13377/12225/9139 kHz, 14-02, 1650/1700/1710 UTC**  
11166 10053 19482 14001 00049 00000 00000 00000 00000

**13377/12225/9139 kHz, 21-02, 1650/1700/1710 UTC**  
11166 10053 31247 21001 00049 00000 00000 00000 00000

**13377/12225/9139 kHz, 28-02, 1650/1700/1710 UTC**  
11166 10053 85462 28001 00049 00000 00000 00000 00000

Link 40023

**25053/20844/18657 kHz, 08-02, 1015/1030/1045 UTC**  
11166 40023 98741 08001 00049 00000 00000 00000 00000

**25053/20844/18657 kHz, 22-02, 1015/1030/1045 UTC**  
11166 40023 48613 22001 00049 00000 00000 00000 00000

Link 30154

**12177/9159 kHz, 14-02, 1230/1240 UTC**  
11166 30154 14736 14028 00049 00000 00000 00000 00000

**12177/9159 kHz, 21-02, 1230/1240 UTC**  
11166 30154 15326 21583 00049 00000 00000 00000 00000

Link 40122

**20072/18291/16071 kHz, 01-02/02-02, 0600/0610/0620 UTC**  
11166 40122 47852 28040 03669  
47991 98923 74665 88678 09806 68418 39761 79894 82762 58499  
21258 65792 19050 47674 74463 11744 64747 37403 37031 32758  
03566 64573 60063 92717 71780 69919 18991 02538 67800 39598  
90176 46947 04796 62090 04188 94564 79831 67624 11649 70960  
57947 42305 22648 99400 94607 34136 05605 38950 44976 93130  
56552 74627 33440 12684 74763 39300 81826 64405 05666 71999  
19747 43597 36981 42358 25511 67565 59017 95839 71042 93945  
25066 99460 69233 51239 72829 92689 47182 98747 92824 73204  
93748 58079 54696 72207 54855 83435 27374 98970 74987 62847  
54018 59315 08323 67560 67689 77697 47918 91751 58675 77599  
46413 49761 29415 99905 26665 23036 97961 63957 05766 73966  
35915 00971 80876 68808 51763 14499 50317 76863 55578 47644  
68342 38133 65987 61688 57051 16603 45375 55833 23860 81366  
74242 82751 57983 82764 00661 39616 04352 15738 25768 39316  
38411 87564 11230 91521 90233 32190 19616 48316 91396 38318  
23622 94050 43030 83464 45076 84136 28517 91151 09674 62447  
19243 53437 28362 12015 46854 85961 41329 18727 40466 07702  
85532 52687 52235 62624 71687 96946 19758 25410 81679 78285  
38724 58461 22312 79727 44254 12355 96352 39490 24370 86946  
76785 66032 14034 95306 95240 23925 43189 97668 80510 70184  
37241 97598 08102 45807 93417 17542 46768 52144 81449 95966  
12941 66845 41997 73266 69021 79030 81278 58629 26443 48389  
85318 95039 39470 17896 02265 64627 00649 34824 66213 01519  
73855 59748 60972 04410 25886 68224 47200 66026 42513 74827  
01368 61668 39952 34249 39971 64020 07681 99123 27432 76425  
43539 39290 91135 01796 67052 52155 92027 89365 21916 18872  
24217 26452 03579 85990 42020 67429 72857 77300 37887 17099  
41528 65521 19640 10639 40825 58558 60466 57322 08788 79985  
20104 40194 57394 48459 60658 88892 05418 85742 05480 67801  
87937 08038 14550 46725 78457 80295 74805 46264 84550 38207  
28845 75092 02982 07563 90452 01313 45235 75651 20365 25084

69399 94406 60748 44699 79325 19976 51784 33319 77015 18401  
78839 68526 79170 92104 23626 81905 33832 06859 17811 20834  
98063 23932 22504 39652 62601 67102 82053 62438 34420 79216  
25612 84529 13136 47990 14878 05017 22209 05733 61472 07378  
80856 32687 62386 30442 27633 18668 26921 96874 31602 62690  
93584 91369 52054 15272 40364 00000

**20072/18291/16071 kHz, 08-02/09-02, 0600/0610/0620 UTC**

11166 40122 34217 04041 03239  
72380 94689 47928 03858 63556 44179 92235 53736 74881 11530  
87990 54376 21669 34809 08023 57390 74372 03171 57552 61135  
79671 79001 22712 88598 39890 56553 20398 64853 51202 17889  
23895 31179 50771 74088 89944 53001 49297 71510 89573 56621  
09119 51014 47955 47272 28259 36968 33196 71813 47623 41981  
23739 74480 23526 98288 09062 19150 32742 51744 03373 76535  
02256 79343 76969 99769 80914 16217 34975 36804 95160 03038  
98113 53052 56026 89774 65230 62735 09597 56732 62237 92354  
48111 38810 07165 24723 23897 63928 46026 97009 33323 41542  
39162 51221 62959 62197 02762 60563 15136 94061 35247 80117  
55078 87357 83213 95270 46814 22647 26600 66343 70037 63903  
87792 92835 35117 02307 94336 45747 38439 01691 49950 41402  
25264 81597 93527 55208 52295 98860 50820 98800 67142 13666  
08474 09003 46860 51020 65124 22035 62769 93563 39229 31424  
63718 66675 38319 53029 95004 01795 19374 45649 95117 88907  
94989 60617 37508 54125 65039 18855 09559 23304 78505 38785  
45955 57634 55179 63584 58630 72138 21911 61164 30491 73020  
43095 95366 65091 74799 50082 91772 09451 83159 99207 46583  
92211 54471 13117 52006 44311 67901 85082 36582 94357 71062  
50990 43885 55907 85132 58701 98049 48822 80387 89449 29541  
21892 58077 10989 59625 68919 99592 67161 66961 55446 68850  
33581 84767 98313 78839 94113 01982 65240 58267 17853 66874  
86608 79234 41262 16529 96645 31893 85190 80648 46184 57005  
61428 33110 54194 72352 48513 89713 90277 53932 41450 75557  
05292 57878 05051 10484 52325 94031 85575 86020 65176 87122  
60360 32278 86545 86478 30119 98208 63128 10207 83607 93692  
49775 34791 89350 66878 89936 66029 94084 15210 64554 52261  
32651 53583 26604 25817 78984 88073 63464 83628 92910 68661  
54311 42933 42427 19403 14713 33017 06170 69477 45626 08930  
85729 33556 28969 98109 82527 14916 36966 15855 18931 29754  
47451 10581 08284 76124 82308 24803 03566 95944 11260 82774  
79337 03505 88151 40725 26687 78918 11967 60634 65840 49953  
29723 41321 00000

11166 40122 98437 04042 02209  
27091 91049 14980 46458 43675 57329 30647 83535 09785 26564  
45552 78176 65890 33214 67514 22088 08587 25559 39477 12679  
13365 98313 96314 05834 42246 49553 43217 76605 90970 35391  
22850 23744 55420 20861 63467 79021 21970 50407 25169 07274  
11451 86463 86495 08103 31414 89515 38530 55174 16386 38122  
78726 34059 60792 12303 21610 64538 74252 88747 68578 18321  
13925 21281 03965 68111 73582 05016 09551 28962 34121 47632  
14742 77844 05181 96234 24556 62384 12567 93198 92642 34697  
11156 59466 31508 71247 27983 28723 77129 64695 65188 80885  
50158 98643 17517 48344 80888 41234 84055 93403 90181 18532  
78895 80339 43541 53631 70406 90535 20513 82417 03818 54113  
66606 81934 86781 96511 19929 72278 42611 23441 29706 77974  
60890 92652 08890 59749 00123 45964 88033 52670 22132 99978  
62623 71548 62873 18927 51057 69583 69371 18082 05457 61156  
57450 71173 42489 44724 69958 20244 86408 86749 40162 11387  
41487 52604 90006 04799 36022 95376 17931 32584 05124 38540  
55913 02755 04450 13390 00447 72854 72093 37213 47131 41656  
80792 43122 83559 32355 47671 97469 20197 65708 93680 65821  
63934 46552 69930 13377 64002 12137 93114 50825 84943 15713

57196 61527 86314 43809 13552 70996 13820 90645 36762 44594  
31555 38101 18235 24394 50053 14698 54846 41135 29819 32014  
24787 62213 65038 21991 67807 61649 77150 23541 42218 00000

**20072/18291/16071 kHz, 15-02, 0600/0610/0620 UTC**

11166 40122 10258 15069 00049 00000 00000 00000

**20072/18291/16071 kHz, 22-02/23-02, 0600/0610/0620 UTC**

11166 40122 46381 18043 03639  
86344 14030 26152 97155 38723 77270 38450 85889 52503 66180  
30205 16533 44272 13768 91827 42974 67613 83722 95643 71245  
49742 72358 99377 45705 66140 00507 99344 83748 57851 18781  
50538 44987 21154 74659 95799 45844 24277 14826 71253 55497  
30853 21197 80205 34103 34806 04078 52681 99245 36338 00891  
32799 31548 13733 53903 61160 55376 70634 65393 44446 55583  
63507 53700 29414 16223 38964 58594 23470 92173 35634 69385  
29016 49613 30275 74245 83746 36274 32816 54136 24100 67424  
60006 69824 14033 38509 42363 15385 06319 00388 44118 36655  
28556 58106 00830 38061 11060 79143 04363 26269 98850 22069  
89920 64081 14901 21544 04809 33029 66842 90611 63634 28093  
14323 26208 19611 32991 39185 28836 06666 49468 85673 72330  
32039 79026 62844 84665 24053 80541 26373 25730 64749 52184  
81938 73018 62075 11107 77381 51160 41306 69312 75818 66244  
60400 29158 26903 30858 78957 46921 78409 90796 35486 37877  
95351 89354 12656 21305 78792 30170 95226 28884 01562 24525  
50336 24903 03043 34073 84850 11722 10244 44896 59435 18924  
77313 33863 64070 99603 60704 13199 84665 82208 72174 64222  
15482 51402 76798 96175 97040 56347 28196 91091 84210 69892  
58145 20633 74148 47048 62786 45844 48809 56244 52588 35746  
11673 81754 58277 65721 23411 20766 09905 81615 66166 23509  
31257 40508 91123 49893 16769 64070 29078 41077 83160 65465  
68677 29433 12960 35721 32024 35308 32105 00509 02329 24057  
88826 83269 83308 21755 25973 35635 95001 13043 63994 21058  
35703 69540 36748 62610 64693 82263 47330 90877 85464 96477  
36106 52889 34115 72435 78149 68020 02611 20431 52246 41802  
51597 83605 48681 73586 92446 66941 07976 18983 43235 35894  
07774 93036 88331 33084 40053 25047 96285 86490 45862 00999  
75708 07595 99764 54522 73820 02892 61173 92321 47373 47230  
34769 65027 60617 92395 07190 19379 90002 09391 52176 92705  
40315 87843 21360 35625 01922 40982 62887 73900 03811 89612  
35060 45400 42132 23537 07181 73085 88904 63855 64802 59981  
10586 74579 61546 17046 51201 96998 84701 59894 59703 05244  
26772 35307 66259 06477 80178 63460 37153 34141 97279 06815  
62986 07730 82926 01607 59871 57476 11711 12866 88290 37444  
87120 98916 19335 75415 84764 96282 02977 33046 46878 60939  
18091 43361 00000

Link 60070

**10919/9083/8176 kHz, 07-02, 0030/0040/0050 UTC**

11166 60070 95327 07001 00049 00000 00000 00000 00000

**10919/9083/8176 kHz, 14-02, 0030/0040/0050 UTC**

Too weak to decode

**10919/9083/8176 kHz, 21-02, 0030/0040/0050 UTC**

11166 60070 39641 21001 00049 00000 00000 00000 00000

Link 70059

**6866/5326/4616 kHz, 06-02, 0500/0510/0520 UTC**

11166 70059 78642 06001 00049 00000 00000 00000 00000

**6866/5326/4616 kHz, 20-02, 0500/0510/0520 UTC**

11166 70059 98741 20001 00049 00000 00000 00000 00000

Link 70202

**11048/9244/7319 kHz, 01-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 01-02, 1200/1210/1220 UTC**

11166 70202 96321 31016 02359

57384 61325 62832 55169 44894 78858 26100 27945 83065 01634  
01795 26744 34821 29971 95100 70420 34148 07427 66848 53337  
78924 28631 91420 28644 16012 08536 21790 27183 04584 42793  
10111 54242 68611 13922 57328 31318 74440 22965 90222 75089  
94411 51328 89326 30789 42448 82474 16175 02148 92559 38176  
13289 45120 16182 08998 75371 17554 99318 83714 15110 02018  
25390 07332 72067 43951 34749 22418 38061 72336 96798 73415  
97488 95079 55634 78635 06035 86285 35170 99607 56194 07611  
14663 62489 03041 30893 10601 11206 48699 54230 25857 97021  
08939 28714 52084 34222 10338 37980 36254 76595 91442 97794  
47308 94406 06382 67837 03833 56541 54350 92880 48714 47520  
83409 15556 81698 74055 42046 27881 85801 40857 76919 53750  
08506 00351 00238 79573 83677 06022 75201 75231 05145 24051  
92949 72571 87870 82947 39449 93591 77666 65844 75763 45533  
95375 75173 80132 25044 26465 24377 25314 98619 91966 36367  
89610 51502 61704 53405 25029 22211 95745 88097 31002 64923  
25003 70192 07121 06861 06950 68859 83299 92889 17357 95154  
50829 34513 64008 14343 42738 05446 33326 22767 36914 50960  
05842 68964 80412 03185 01458 23703 58398 19554 40422 28633  
56146 86582 30973 78238 87556 56167 19574 14777 88603 06587  
64689 40897 99163 45404 20029 79616 81662 96448 38206 36352  
49978 38062 30736 42689 07028 84812 45331 86573 14493 29842  
46407 58620 43101 90052 09761 69222 76922 21309 67330 16147  
70095 95852 63010 16233 00000

**11048/9244/7319 kHz, 02-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 02-02, 1200/1210/1220 UTC**

11166 70202 26497 01017 01739

35817 17491 89101 90917 81642 82556 44035 63119 77883 77719  
78598 74512 51849 53171 86991 87281 45404 47892 87425 84063  
04607 31608 00683 04482 81171 05841 24083 58746 19184 31214  
36800 97977 25496 73228 97465 45968 47270 83674 19989 22051  
05069 59882 38545 09770 54965 48980 97654 51038 78082 89379  
28301 70472 21021 06633 96019 59594 35596 05887 31897 75574  
91334 28106 82421 34224 59155 62243 39111 01904 89688 30563  
33875 16053 34654 89295 11020 89013 84746 11809 11873 74848  
22460 46487 32922 03830 13293 66507 43442 14296 83772 53691  
73521 36553 59724 83637 08446 08522 63246 04299 50356 27805  
91795 25211 33141 69867 27858 59552 01479 27025 52607 86224  
89983 47909 62019 24135 63385 82121 08851 35878 03680 59737  
18948 03002 55194 60371 55299 40033 63493 51474 28285 39471  
69078 00563 75552 64920 41800 91051 59959 34556 66941 96399  
59023 62108 18890 92231 44306 47553 83350 11147 74186 34705  
14027 69881 48436 77877 34716 23530 98065 84827 22749 26497  
08849 28148 34717 04882 01981 42307 60423 69974 20303 48523  
15988 17171 00000

11166 70202 35746 01018 01919  
68658 02863 81837 59148 96404 53709 07856 04326 78476 48791  
25939 03327 92486 94227 31892 36231 19075 69456 79131 26242  
29910 86017 66346 46769 66809 01902 03000 17655 66661 64905  
19841 26510 11834 83421 16630 36081 10757 48119 64258 63588  
38374 52927 03446 42975 91139 88782 07210 06008 36255 08564  
99293 43155 59833 86655 45737 30196 43673 21579 61778 31484  
25337 55127 01280 15811 21216 06440 20852 45802 17271 44459  
35883 26792 57139 47200 10644 26101 82282 21276 49662 98667  
03889 80114 82554 79958 11187 04306 59507 32109 45877 32511  
99583 54216 97369 56378 59051 92735 98501 17903 11922 12909  
26436 32660 59876 17167 38421 87360 13782 21444 97104 85152  
13974 25332 65079 37125 81490 37033 73361 23430 17462 39020  
93478 72477 92819 05370 67856 31633 95537 06686 78200 27855  
27571 63560 56547 41713 68694 34506 68683 43219 49419 49302  
24607 62920 00182 23684 95742 96671 68990 16317 43564 67549  
24713 14001 89344 93322 88201 56025 79703 32931 58430 33626  
27634 10407 25846 25479 33718 39672 90111 55164 17200 98652  
24429 81541 11604 26149 53635 57969 04605 39896 38254 21316  
26809 99251 81689 96689 19158 60952 02759 28828 33632 18189  
00000

**11048/9244/7319 kHz, 03-02, 0700/0710/0720 UTC**

11166 70202 75364 03041 00049 00000 00000 00000 00000

**11048/9244/7319 kHz, 06-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 06-02, 1200/1210/1220 UTC**

11166 70202 98541 03019 02399  
43941 81574 20259 17442 03144 60516 66209 86516 60669 86534  
76461 79484 38636 64938 26059 89112 63640 17543 43305 27995  
29002 37680 03514 91023 75859 39424 93936 73818 54059 05764  
73335 64292 48754 65372 74604 49560 83673 52687 23912 05358  
36981 30976 74772 60171 30681 83074 80504 51265 79481 99491  
53496 14783 10077 18569 84737 77128 86781 98366 22031 39794  
04438 24988 30341 74840 34554 87009 82703 73205 35604 70716  
55143 13032 63418 55820 24028 40206 42612 16360 89310 78284  
84993 56458 72074 10011 65868 35637 59845 97592 94207 63365  
98084 33945 37586 67533 51320 42072 87851 66544 82338 64780  
78456 99698 22878 11920 89379 95577 34274 57320 00588 83092  
81468 02631 79968 74903 68852 50238 16677 77885 11344 52453  
35821 10337 39174 29160 55444 30607 59796 71100 71719 06845  
25352 71002 83311 82542 79156 49715 90831 17570 79618 69559  
32331 09385 25033 52075 40764 24104 27703 42337 34365 92128  
10803 87058 75868 48008 26442 18638 61517 19223 18354 62354  
25796 93591 77649 08900 72813 19967 65079 19422 70300 21931  
98233 55280 67125 29158 27121 49699 20295 56145 46564 63493  
42357 82992 18855 92071 05156 17920 05089 15894 60871 46213  
28641 11574 66277 95278 19200 65814 21168 70505 10810 59358  
56874 41608 92353 13152 35819 84149 33910 13901 48042 05930  
37436 61204 15642 12917 85194 03465 41055 94426 84380 54751  
60132 32218 31368 09810 85925 63212 44033 99398 54145 50503  
35574 53155 06208 42359 28274 62156 70821 19237 00000

**11048/9244/7319 kHz, 07-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 07-02, 1200/1210/1220 UTC**

11166 70202 96417 06020 01599  
48016 34380 72013 42787 02388 17550 46653 21173 76390 78704  
11956 64379 71126 21972 56606 31055 30883 99036 65269 50738  
09481 84642 14865 99022 14850 43215 26421 50558 42761 41281  
45926 77058 35660 85378 52625 82534 27531 90139 18192 92905  
60742 06240 65216 42202 85790 62896 98455 22533 79899 04606  
07262 90014 45404 26808 62650 43841 73855 40157 57430 20688  
86783 18107 62837 71630 89064 07467 00112 13781 95813 06651  
50450 73806 18763 41275 51779 65536 23035 91818 55782 68840

90276 53012 43612 01961 49071 29661 23738 04486 58573 98573  
60359 73164 56310 91297 05817 17732 06070 77341 35455 28946  
06834 52568 08357 76020 48681 62460 02394 75630 26597 14927  
97032 99703 48135 62357 02337 14152 95858 57593 57588 65758  
30516 13519 47986 59391 45859 20950 12839 92741 11076 04512  
43704 40761 61750 21193 95905 07006 25290 31259 61870 84044  
91777 96224 79712 90158 66156 83558 75511 74477 62709 82810  
62724 07774 27755 62863 47157 01086 01512 20157 00000

11166 70202 45127 06021 01639  
81920 55977 03229 79207 57257 60951 85072 50941 16685 02827  
22711 03386 14911 47685 84317 41247 69666 30265 48928 61441  
49209 85180 31293 21089 31002 34100 86504 04421 55030 46065  
80356 18310 20182 13148 36357 71094 97130 08616 95343 14397  
56164 19819 48630 52609 33388 72962 30626 49754 83744 91958  
81870 88383 94293 58555 18411 60227 56171 65923 68461 93257  
18695 82873 62298 44875 74014 70925 86297 15890 45786 21383  
37087 64994 80278 04617 36720 28408 63354 48752 94828 74392  
11777 89922 28690 47306 12265 61310 77129 80910 06742 13128  
69223 85592 47211 80758 33710 39201 68698 43216 60070 36189  
53700 39133 47204 74742 86574 32452 00640 86580 21301 45012  
64218 39123 11074 98218 97185 64709 73131 30980 32634 96554  
87290 86103 78231 16130 51602 82336 45165 41655 43577 14236  
16255 12401 60411 47059 89157 48464 36661 98867 55611 90736  
62783 27014 02649 50721 53011 61218 46720 24909 35962 50414  
36669 53388 66457 15550 86488 27387 81954 25534 23801 75420  
52057 21161 00000

**11048/9244/7319 kHz, 08-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 08-02, 1200/1210/1220 UTC**

11166 70202 15234 07022 02339  
14351 02772 78642 29668 82450 56052 04545 34720 75562 11547  
85113 20138 50949 07205 43271 41414 65538 00009 00623 65051  
19205 01124 46961 84817 79789 19745 53226 55284 94539 39060  
45103 28590 17669 72790 79460 05356 08717 75734 90801 35713  
81392 06742 99926 31351 07596 67584 01987 74546 06309 66125  
76123 35102 72024 77255 83874 31131 22429 00015 48537 94623  
69993 34342 32678 27745 47195 25897 55973 60783 40028 52379  
20568 47706 09508 49793 36146 60239 05845 02088 61886 66429  
04995 42620 07514 04614 22242 40862 60604 88731 82538 72811  
32363 05929 52253 98517 39033 92382 62047 95185 61145 98281  
75542 19277 47786 77913 83480 96058 58065 65775 28057 60018  
56991 24669 87120 94615 07914 76698 72920 44764 28749 53115  
25096 00526 04154 23955 02586 75420 70845 93389 04157 27810  
18257 71745 72229 98777 71710 60112 59695 64959 50293 08494  
64405 29744 16634 33432 61023 01299 60759 06030 84936 30842  
85220 46339 47892 09610 83672 85016 90070 47950 30105 78215  
98266 84990 20899 86630 44872 02295 36910 54641 27349 39980  
17748 50493 12876 38693 65461 53448 17855 55920 19799 98847  
76979 30042 72242 17024 81530 90578 10996 26993 91600 38066  
14114 70870 51934 42006 32976 99956 66066 30305 33264 48403  
08451 68666 85661 55431 79265 53357 23431 22010 31575 65792  
09092 12952 25551 62372 77352 40354 89426 98009 46510 89323  
91879 06792 15487 71928 55526 88201 88702 20304 66218 72346  
95966 22231 00000

**11048/9244/7319 kHz, 09-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 09-02, 1200/1210/1220 UTC**

11166 70202 85214 08023 01559  
04237 24933 79251 87471 48948 69380 17550 17388 81168 96290  
44345 28493 01942 24343 95291 85371 40713 08359 57454 63161  
47266 42733 05234 20957 27506 84115 32495 56179 84029 98006  
04315 57076 47419 58972 76800 95572 09195 59160 58414 27620  
92364 04799 11233 93273 20512 05378 15595 33647 71350 85190

46555 66959 25698 71926 35598 90847 47787 42000 16043 03137  
57869 27309 75579 58252 83038 13104 64359 01474 97214 81658  
32108 48194 86228 81429 92663 00396 98932 26390 39404 17518  
70297 55228 59985 83909 27406 05097 23834 40044 14304 79598  
40837 69699 96631 15700 14650 60277 31980 79257 39083 78455  
16904 43845 10983 28366 46537 32568 58058 84465 47740 27555  
05086 16318 71720 76809 26932 47446 57064 53121 61826 15458  
99113 44701 83328 25631 86632 82259 54425 15139 91692 32178  
12191 70108 23717 10504 56452 62702 83629 97411 40900 00404  
79030 56856 90069 04693 86350 91083 90644 61316 70912 84687  
30518 09314 00839 23153 00000

11166 70202 96482 08024 01659  
51737 78083 14366 65424 28446 04689 29005 78227 48229 71010  
40501 49504 45356 19263 89294 03301 24321 68187 25417 46393  
77076 42955 76748 03309 26925 38366 83774 83878 35003 95044  
99289 75487 30308 93299 76476 77228 49189 94355 93802 18129  
95261 83634 90168 26655 55651 95774 08751 43667 34540 26069  
72974 96022 89923 58028 43044 73011 84534 61739 26491 72809  
86862 42708 41152 11138 83206 45881 54031 09321 86703 44538  
44478 03922 54265 68718 65116 45148 47362 52903 98969 76221  
97596 07614 36213 10880 62991 44622 18990 51220 85945 10471  
27734 13062 88784 07969 07433 51007 67844 10378 57273 00410  
72032 97947 32093 78413 76791 71510 29101 11270 89423 22815  
58277 80103 46683 66277 19907 02330 90605 61854 37679 90902  
33491 83716 20791 58577 47984 14401 53491 59389 43193 69150  
35504 84515 12779 80110 21771 54729 65953 95077 34943 76619  
77330 70487 49065 54762 16552 63326 67892 77049 43652 51657  
46269 15336 81063 38448 28014 08613 98236 18387 98746 20892  
69786 12371 77092 24163 00000

**11048/9244/7319 kHz, 10-02, 0700/0710/0720 UTC**

11166 70202 52367 10031 00049 00000 00000 00000 00000

**11048/9244/7319 kHz, 13-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 13-02, 1200/1210/1220 UTC**

11166 70202 96358 10025 02319  
00719 61882 64634 82355 12057 97618 93541 52908 69408 79889  
45244 27128 88877 68187 87103 66312 74379 44273 13842 48640  
14634 15883 59818 99291 77518 07249 45380 90985 56477 09871  
24494 50850 48657 91987 25826 34593 69483 90169 04470 53885  
33339 31480 46502 67906 55046 59645 93570 74991 51843 63655  
79668 65310 50526 32256 97324 20518 29462 82746 35360 71316  
50151 37540 55420 48868 58024 46908 99470 90986 57166 81361  
45420 89058 88661 42087 53093 86616 67226 62901 67715 65520  
55840 02134 73102 80663 83049 47898 11748 29157 32632 85173  
13991 64926 60315 98142 03458 94648 17234 06222 70955 15979  
84808 57217 34008 84002 50746 26053 24233 16842 80825 92492  
69732 76363 66194 96316 64688 84919 50815 93364 43357 64065  
68801 60904 00647 06178 46281 25749 26456 14936 47514 13567  
45981 75571 69929 42823 83160 40853 17773 11783 89450 43725  
09066 52021 05126 72547 95537 46875 45283 69864 00247 38272  
27738 40658 02560 70376 85011 80995 25177 43491 27575 63038  
02907 76647 50561 37330 37856 02327 01118 38308 70736 41747  
48587 03974 22978 34151 24714 45661 89317 18544 26056 28846  
85579 91298 95785 50916 81305 88088 27083 26867 71941 63564  
55289 18827 70264 67228 31022 70385 21732 38938 91432 31631  
73442 72474 71796 85855 51407 20607 24627 13858 25794 40119  
38488 56772 68862 00188 73707 63383 35252 02604 57171 32843  
19326 87225 03387 88734 69252 21137 54001 45426 62511 25229  
00000

**11048/9244/7319 kHz, 14-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 14-02, 1200/1210/1220 UTC**

11166 70202 39745 13026 01579

17913 73367 19334 65734 70908 39443 04342 09502 11432 90625  
03755 27486 23035 42490 59587 25431 87830 47583 19409 40386  
62034 16826 62125 63327 57833 72660 82437 55246 92555 38617  
57443 73871 91055 94996 43798 53231 52259 55352 78877 03234  
15811 43465 84388 21447 89751 75486 95853 34285 25168 76952  
66412 09769 48759 89341 18380 09058 89246 45879 40992 68938  
58565 21255 57787 32458 73784 84971 12043 69890 30684 12977  
43727 57222 64930 37291 56384 04343 61790 38317 97405 50132  
00308 09501 00111 66632 42903 49050 61083 39477 06313 58393  
51205 16799 74813 52056 83811 43760 41674 08662 88412 24926  
89762 17723 63428 81659 47255 01927 06351 96718 79373 19594  
44798 63246 02107 77003 16879 80347 28829 05266 74306 62435  
85776 81432 06717 54530 57303 98537 10601 70705 46861 14248  
51313 97867 64641 32812 91581 32053 77810 00005 84957 39432  
84286 15738 57646 59208 95981 94046 27153 90600 42462 25113  
31182 31093 30947 19037 65229 26155 00000

11166 70202 12874 13027 01699

88856 73731 29097 77815 90452 71826 59513 76381 49585 68452  
94635 47788 64799 31409 23825 65674 13433 68158 63278 80432  
69504 34026 90764 61643 59592 30334 30065 89027 61387 15924  
02310 77886 74610 80486 86400 49942 18979 53151 55693 85528  
38913 44764 83146 18069 19667 47299 32113 56773 44576 38825  
74955 48500 48098 67494 06695 14711 44351 12951 45854 24461  
35822 48640 39704 89369 31939 53416 16083 91486 32195 45913  
49000 80023 53511 40105 30180 97852 06525 45497 63758 23744  
50486 60378 26316 41254 81468 31583 59420 70209 33550 79190  
86883 21736 97684 09607 73911 62752 87929 65458 70331 00876  
09728 85744 05098 25673 09922 74676 24248 67205 13200 02652  
89501 57785 74657 87784 79700 07900 03148 31456 62258 32228  
35134 06286 26822 86699 63709 20002 98328 02517 52483 03613  
71641 28095 89015 97340 34959 14849 57495 32745 74176 07756  
35337 34473 75394 26657 43395 90076 67764 49206 04482 61339  
73839 31419 89863 35534 59650 26760 58446 40067 01664 89703  
18310 68940 12824 74697 65310 94458 94870 27167 00000

**11048/9244/7319 kHz, 15-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 15-02, 1200/1210/1220 UTC**

11166 70202 78124 14028 02559

81983 00374 36331 53938 45066 11129 93277 86855 12195 67566  
19966 45436 43967 86714 46726 82279 83156 56242 55920 04295  
14764 28471 20757 10505 73822 53160 37949 99099 99399 41240  
15160 48408 58219 76700 99169 01492 86358 18807 55706 09029  
22443 61830 36866 10195 30783 44492 97079 56216 37896 26305  
43543 06287 30835 72984 32059 50533 90782 18142 44231 39724  
60321 93425 06940 26400 67850 44318 40040 47115 57554 73748  
43222 00492 98382 80741 57966 00743 70471 86262 65537 11392  
52439 63458 06946 88838 58004 14487 35826 90486 95351 61110  
40157 27105 47694 41243 93769 64114 98460 28652 23579 01491  
49556 17983 03472 86965 06115 42308 10795 42215 26204 15381  
06382 06729 58904 15784 24045 29036 19208 55164 80483 59989  
73162 97728 41535 27780 31719 23205 05716 99381 76700 50443  
90984 58111 67335 63851 35659 51983 00803 09846 49440 92557  
25214 55516 75461 08963 28470 26679 49322 86780 51444 67512  
66019 46482 98909 88969 90735 41104 46663 98136 74406 77844  
68277 25744 60018 93282 29920 94007 90555 36889 26673 91986  
54554 42529 58798 50653 30186 92642 71377 34851 13819 04784  
05777 94342 43984 95216 36350 41120 56691 99241 90852 45176  
33033 52957 77966 65918 25005 66124 70405 61417 70492 40842  
17014 42672 33352 15703 82315 65083 29527 40129 36932 74321



25141 08572 47329 48777 17491 09256 38305 05780 34899 67172  
26678 63774 16348 85986 49603 77644 56829 18567 35947 89360  
29362 20812 94177 61159 19609 68462 15187 83415 34020 41596  
13500 74424 67454 06480 55288 14252 41213 49476 46655 79859  
47416 42685 80592 28253 00000

**11048/9244/7319 kHz, 16-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 16-02, 1200/1210/1220 UTC**

11166 70202 45172 15029 01719  
60046 54902 21836 04758 10580 70371 20916 47398 52841 91323  
95670 80033 54749 16697 12547 68657 90101 09601 32673 21828  
91209 54220 65129 00740 18030 95235 32809 92291 42241 51955  
11816 49829 69698 24336 30333 31244 49707 33094 37911 89133  
44545 61077 81086 92692 57678 88099 46305 86032 44111 36415  
56052 12613 51293 69033 29152 60474 64037 08043 41161 07963  
51878 65149 45798 74624 42305 01606 43347 06966 68316 59724  
06966 53766 63726 33159 02850 10628 04661 68145 65176 38448  
20688 12881 11772 85512 24005 57246 11439 67880 30144 30033  
38882 87765 68599 45893 78169 94586 06857 19171 60667 18386  
36218 86822 48380 30299 92891 07606 98644 09754 12774 29723  
71103 23109 43354 44113 62907 43397 61189 65573 83072 65866  
68386 08899 01937 99021 66514 52230 36652 35826 31409 04803  
58651 34780 37287 21262 34018 65544 03612 29766 32716 98798  
63157 66033 67587 45032 74695 30540 49093 71946 28752 11046  
66696 55153 19867 37645 32851 41865 83792 62518 50530 32266  
23078 81583 90214 08235 69460 40227 87304 64129 56518 29169  
00000

11166 70202 95387 15030 01619  
25287 36369 50990 87183 43663 29037 22865 12176 11459 55929  
65536 09855 37766 58569 41977 46816 89229 13518 26654 28763  
36232 57040 97656 04918 93710 82936 94557 01049 05035 55687  
52928 35799 42393 06133 51446 99996 22118 01845 32547 03653  
58389 09409 82546 20308 03760 90775 82169 83443 49925 00887  
63427 14623 87193 78760 33786 88058 46082 49217 53549 61298  
69473 77435 77403 26705 88789 43538 96068 63428 02590 29371  
38970 94555 81066 34690 23896 79117 44839 64916 64558 93651  
91515 57674 71999 83003 68439 40277 10792 85049 15063 35363  
95955 59034 23397 56859 41531 72216 89951 63465 96759 24488  
57627 61849 30794 15684 70982 76730 51878 85246 93316 30052  
71943 78943 59009 96415 52551 22322 59545 26978 93113 05594  
86677 58991 47350 09626 81148 53176 78890 27741 60418 26109  
91983 62997 23838 69823 98239 05649 58691 75803 05346 20471  
95567 05557 38689 98631 86474 74961 31829 53805 04153 44564  
46755 67208 86009 33029 09871 11254 71132 95914 74627 30159  
00000

**11048/9244/7319 kHz, 17-02, 0700/0710/0720 UTC**

11166 70202 48392 16051 00049 00000 00000 00000 00000

**11048/9244/7319 kHz, 20-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 20-02, 1200/1210/1220 UTC**

11166 70202 54127 17031 02659  
36577 52956 09007 99617 27318 78454 19185 82595 95915 56277  
14022 43114 18742 14458 39523 15367 62646 41606 85579 58073  
42486 93343 11922 52957 57287 91812 39390 29887 59686 91684  
73739 54613 38377 11109 54135 40045 18225 51048 43563 66990  
07745 51419 03302 25318 48634 57495 18677 11457 47038 94995  
68268 43186 91243 77311 53763 77648 85490 93286 32641 43518  
54575 49010 20874 23274 98949 62051 57841 46500 04994 31568  
50632 80168 40149 32732 39937 26819 87606 08917 54700 66600  
00231 60065 47735 04087 78411 50692 29486 05823 01522 85953  
42113 39525 67692 29218 41107 50883 21554 59580 76604 38893

74672 92753 91599 15671 48338 13777 79237 61666 93408 94982  
66379 12230 66890 97642 15620 36465 69942 80758 62953 94305  
77001 65407 33273 82740 10696 28096 00882 07156 42262 21554  
87221 38696 22123 46409 12987 43604 70339 22179 46826 95472  
81606 31010 17813 06341 24494 32618 83870 37576 39606 73846  
73343 76481 66358 41304 41899 89557 53056 30495 11954 88369  
29959 29893 86798 68943 50019 43403 56626 10635 26989 99624  
38638 45414 25576 21383 18414 33492 83332 53943 84752 06234  
68980 75353 75145 62299 06838 37361 74082 27933 22056 10328  
31389 17364 86340 30583 92754 54232 68845 73663 59665 39993  
21937 01864 20920 80227 56505 59546 22905 04804 86508 14634  
70841 42818 47458 69739 78161 38271 18495 91360 06229 17386  
02791 30572 61570 43539 45916 33669 42822 20722 96900 66181  
54562 31472 41646 98708 30233 20215 63395 28006 31324 57959  
09939 31767 15024 49270 72243 80528 87506 67470 04200 55144  
85051 28997 38167 43265 50189 42861 76007 13261 95045 96135  
60295 89012 69088 31263 00000

**11048/9244/7319 kHz, 21-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 21-02, 1200/1210/1220 UTC**

11166 70202 42819 20032 02199  
37319 36930 61568 07737 28776 86550 71255 63618 42979 19326  
82896 55469 44579 09656 99224 25640 63756 75608 21398 08997  
95241 67759 61934 41346 59145 67107 03053 94894 97046 59266  
36367 20460 01777 77106 44860 01099 04320 29047 13086 46854  
66293 55177 76524 85300 51422 78398 46041 27578 74460 42770  
68378 14601 50992 56256 08621 73129 96538 80047 65567 36399  
48437 31656 55957 08976 08896 93967 28475 80550 32680 47440  
93482 18333 07876 67626 79408 92760 03144 55225 51733 16183  
79920 90835 55520 99233 92998 31606 67403 54552 27928 91965  
67996 02572 48656 75623 70648 59030 53878 51029 67480 08923  
65504 87470 78645 96549 97695 94013 15754 86380 79907 28453  
95391 74400 32368 68473 63670 54630 17443 62204 17761 70513  
15311 00361 35327 05851 97396 77144 47811 94975 95990 32114  
18503 56857 93503 90189 11335 82808 79783 41993 61332 32507  
50939 31713 82666 17990 48101 44666 75238 80340 59565 11761  
15737 88725 34751 73042 44110 16488 83416 67505 81377 73977  
58559 41362 39734 02809 46449 91961 10874 61230 12232 89531  
43473 55296 74527 43948 45773 95522 07478 08708 74196 83725  
93669 39294 93936 59714 76372 48132 22458 62547 84536 23304  
91843 86012 28975 03224 90927 33044 93178 24466 73150 98745  
67197 84908 41072 36720 98023 89413 43489 88383 54920 70205  
46079 79956 33123 99139 61526 16817 44361 32217 00000

11166 70202 15937 20033 01959  
59038 60204 31840 81189 19446 71634 78840 79789 02218 93233  
19953 23109 68443 76701 20004 41896 79946 46575 53698 44810  
30685 00926 27881 23468 40729 25055 68735 82200 73794 22855  
97362 09697 64229 95542 42181 34743 64425 22436 61575 33215  
48571 23473 75235 78543 33690 08160 27630 52809 03900 40620  
32041 60684 48839 75463 68606 13381 52182 44121 34803 74813  
91194 96376 71803 87155 33261 26747 15158 17976 40322 40421  
43223 96146 17161 38431 21788 28705 64470 26757 68320 15865  
22646 79037 84291 06354 17242 07585 28991 60277 42018 22387  
33296 11684 40528 82789 76812 48024 72176 71531 76830 48699  
73687 45843 62541 49870 51921 45274 32938 27733 68974 60950  
21850 17427 05508 95944 18544 09786 13222 71448 17323 93103  
92450 58425 94574 32107 55767 39454 36695 01324 63580 30420  
67325 15034 42632 16765 47349 20986 23346 83978 46075 50077  
56957 47005 07053 39173 98370 08274 56953 69257 65676 99023  
30953 86111 12258 83619 13059 95688 72446 31544 14818 51388  
66641 86749 40829 75416 76833 89064 14530 81405 28495 27336  
62652 90501 39734 29002 81826 58092 23686 15767 35738 53362  
55059 80093 56294 58872 36778 62167 47233 82349 27665 32045  
13609 97863 17088 33193 00000

**11048/9244/7319 kHz, 22-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 22-02, 1200/1210/1220 UTC**

11166 70202 25694 21034 02559  
81983 00374 36331 53938 45066 11129 93277 86855 12195 67566  
19966 45436 43967 86714 46726 82279 83156 56242 55920 04295  
14764 28471 20757 10505 73822 53160 37949 99099 99399 41240  
15160 48408 58219 76700 99169 01492 86358 18807 55706 09029  
22443 61830 36866 10195 30783 44492 97079 56216 37896 26305  
43543 06287 30835 72984 32059 50533 90782 18142 44231 39724  
60321 93425 06940 26400 67850 44318 40040 47115 57554 73748  
43222 00492 98382 80741 57966 00743 70471 86262 65537 11392  
52439 63458 06946 88838 58004 14487 35826 90486 95351 61110  
40157 27105 47694 41243 93769 64114 98460 28652 23579 01491  
49556 17983 03472 86965 06115 42308 10795 42215 26204 15381  
06382 06729 58904 15784 24045 29036 19208 55164 80483 59989  
73162 97728 41535 27780 31719 23205 05716 99381 76700 50443  
90984 58111 67335 63851 35659 51983 00803 09846 49440 92557  
25214 55516 75461 08963 28470 26679 49322 86780 51444 67512  
66019 46482 98909 88969 90735 41104 46663 98136 74406 77844  
68277 25744 60018 93282 29920 94007 90555 36889 26673 91986  
54554 42529 58798 50653 30186 92642 71377 34851 13819 04784  
05777 94342 43984 95216 36350 41120 56691 99241 90852 45176  
33033 52957 77966 65918 25005 66124 70405 61417 70492 40842  
17014 42672 33352 15703 82315 65083 29527 40129 36932 74321  
25141 08572 47329 48777 17491 09256 38305 05780 34899 67172  
26678 63774 16348 85986 49603 77644 56829 18567 35947 89360  
29362 20812 94177 61159 19609 68462 15187 83415 34020 41596  
13500 74424 67454 06480 55288 14252 41213 49476 46655 79859  
47416 42685 80592 34253 00000

**11048/9244/7319 kHz, 23-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 23-02, 1200/1210/1220 UTC**

11166 70202 85214 22035 02179  
38076 97592 38562 32515 33788 52501 06840 02656 28540 47963  
99988 84196 98321 22789 81357 15438 17428 37403 72781 79064  
41834 59441 26279 79383 89138 32247 10300 92314 82286 62220  
90214 86582 49245 85947 07728 39525 95823 03061 88900 95978  
93829 85750 35480 43657 51736 00879 79214 03484 60069 05628  
03843 58292 28672 02621 64450 68346 58071 65453 58874 47123  
12096 70573 30844 95768 83962 96440 09555 19701 73001 75916  
15346 75770 14219 12811 86185 23425 27872 98525 04643 78313  
81257 89732 30034 91781 79890 33029 65432 04663 30269 47497  
14234 48842 41402 01115 05949 95003 57304 41949 95934 70002  
37624 70077 68731 92313 28613 61163 99699 98973 91607 77631  
54651 62474 81224 28379 32153 21026 90446 62961 78187 70642  
04789 11179 27879 92480 32741 04027 53943 13866 04659 36914  
26571 26453 57306 61118 14425 09949 46228 14389 81429 34843  
53136 26661 59063 42573 80516 61789 98810 26578 50612 81269  
34490 62660 51005 40861 09124 62106 93961 56055 46055 45994  
81726 97339 68981 64136 94975 01175 00608 07084 46592 07633  
94596 84633 67964 60640 80511 69282 19988 31747 26431 28056  
45969 53374 48927 91153 08604 72468 25096 30852 78225 60508  
86326 49092 64520 40791 98495 97202 08872 18946 58274 76185  
79548 27601 60233 91008 36909 21160 14444 57335 60810 81600  
19250 84137 57416 21253 18899 35215 00000

11166 70202 79462 22036 01999  
35244 21426 33535 40748 38395 00770 39531 73644 00171 09697  
52263 17139 13588 40403 43329 57321 24602 75185 61790 02364  
63405 86656 53989 75360 77376 46260 24871 14689 01634 20773  
39248 74072 28119 61480 86443 39548 59157 15725 56744 05507  
56422 15490 03123 77007 21259 22738 86630 90545 67277 36165  
28941 70470 71180 89066 20442 63233 12748 93013 57341 16647

39919 07011 06214 96367 19907 36827 19420 56756 62290 94197  
49850 08334 25013 70572 38417 48994 39228 05100 72740 51188  
13937 51545 40460 22239 06340 73811 25622 79997 68850 24769  
21556 11016 08712 88068 58705 03424 21144 87637 70831 71706  
81963 94526 48035 15559 10616 85820 50029 80010 39554 35279  
78109 09012 50899 40407 29247 09657 66333 15636 80748 69245  
01140 06307 78927 92361 18350 03144 30207 50160 43925 61898  
18108 59043 28905 57860 94548 30930 69470 29923 18905 62281  
20856 93877 43255 54093 66041 29641 67260 80027 25172 72095  
11102 44881 16635 60224 79932 00566 05737 24245 18266 11808  
01913 15407 77739 88726 90408 08163 46702 28508 09378 29382  
15050 33343 08319 94311 72754 96819 48804 53953 65523 75965  
33429 83558 56024 91119 73918 66929 64109 20822 34336 56194  
84489 83912 10327 11776 05282 26027 30329 36197 00000

**11048/9244/7319 kHz, 24-02, 0700/0710/0720 UTC**

11166 70202 74158 24014 00049 00000 00000 00000 00000

**11048/9244/7319 kHz, 27-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 27-02, 1200/1210/1220 UTC**

11166 70202 86314 22037 02039  
26315 90697 79556 94436 26082 17135 94555 07627 03611 65696  
57097 94670 88919 34796 75817 56631 51761 70336 40951 23277  
08913 70930 94176 21039 57743 24471 55195 24667 28231 36973  
09738 16015 70628 39659 88684 98384 20959 85184 92985 39885  
11537 68973 44072 44223 18684 36582 64436 72378 64853 63046  
18085 63594 17328 15120 65535 29118 50687 32382 13050 17143  
65238 88114 60803 72365 78582 15909 79659 38618 32521 12931  
71240 78007 82477 55784 91002 04986 61625 89907 38969 58807  
36917 78446 47836 62798 99184 21537 23133 43887 54517 81926  
15107 10813 09096 77896 27049 14479 64667 29394 89724 38856  
66859 68328 56604 95908 73501 48968 99587 22942 35166 19367  
09901 05846 05100 39769 33855 76640 20731 58920 98159 58789  
23956 84225 04472 58692 12378 06699 97866 26815 38686 66627  
38937 36880 00378 70897 34170 56564 86988 97927 04336 08139  
77036 51122 95530 42486 01858 46806 62603 74931 18526 47570  
79617 56332 59041 76962 57057 77859 47972 76462 70461 32898  
05752 90680 30165 84531 79793 91719 46848 12013 70633 78627  
72567 34685 45282 12894 21969 36783 54963 75911 03357 41546  
99443 59350 14320 08087 05121 24382 81594 49452 09082 90689  
49849 95312 66293 41192 49089 47718 22134 53438 95356 03355  
17440 37201 00000

**11048/9244/7319 kHz, 28-02, 0700/0710/0720 UTC**

**11164/9164/7617 kHz, 28-02, 1200/1210/1220 UTC**

11166 70202 51274 27038 02239  
89465 48074 78330 41681 73776 10997 05931 75365 74435 44515  
69849 02681 79995 69103 36016 46024 41195 07185 35168 27223  
82868 36416 98050 87278 21417 70812 29773 01908 61289 36888  
59266 72584 68898 37004 24777 97739 47425 17112 81331 53844  
60929 81078 41107 41026 81218 18779 82660 72934 55910 40150  
89928 15529 21120 32388 06967 04476 07217 82470 19329 95857  
11085 32211 98066 29857 33321 58009 67244 12124 03816 92501  
80936 42509 44153 30292 20639 45837 40253 84954 49014 84430  
23723 89486 80938 57050 85319 57418 57757 13957 68988 46739  
35708 42764 19907 93857 24443 04789 84965 09759 36578 26570  
89126 55561 34227 76259 36105 39654 83431 79551 06795 03605  
52449 54863 53900 89020 14826 72432 16178 02560 43183 67029  
00762 21273 04678 58974 06982 05459 94044 63139 90130 11236  
65190 90625 88600 20001 47245 72807 62847 26975 56036 62421  
19601 56016 36898 91399 19768 92888 99780 90127 93467 54177  
32570 97809 10630 34037 03570 18644 80598 95955 89088 03480  
79173 01733 87052 61652 26541 94839 02597 32678 64505 80376

16565 72509 06490 68788 72855 34017 58716 75541 45558 46403  
36025 93946 71802 23230 20750 83309 61278 53745 38106 39606  
18350 57196 46517 40858 37698 04823 66315 84412 59447 39209  
95266 58294 94692 45693 84345 13833 57380 55505 72199 31744  
63472 85339 01748 98859 83328 43034 67338 37684 58260 54060  
65920 38221 00000

11166 70202 32597 27039 01939  
96165 47419 91016 43621 94617 88798 77401 42428 70231 10614  
84401 63047 81387 06595 64819 65261 80879 85119 57590 03980  
19401 55389 62412 21127 98734 62143 57050 50909 91843 54836  
87000 86899 72038 02236 82209 84375 18412 88362 80531 96345  
89738 50718 62606 66711 84013 46729 27856 28988 25823 59362  
66283 84035 48736 77829 05750 55227 64905 14325 39440 44496  
39054 42746 63185 37704 09060 70317 77331 32758 20291 78059  
32858 88920 65912 91047 26413 20750 50330 64395 73960 85104  
17970 95889 17740 34653 14575 01235 46201 36328 73209 12819  
31621 78148 42161 87967 15083 12874 96916 37591 93507 11902  
03417 11196 88421 27855 24765 99169 01151 89310 88575 38291  
84126 76078 57160 31407 82995 48497 67732 17195 29215 29163  
34817 50975 87827 60546 32059 82478 90093 86909 95604 41544  
05678 34001 16264 67643 34076 84915 12623 44211 19963 75604  
02303 23679 22160 58441 13548 54182 90892 07292 04340 43863  
33050 62530 81210 23701 70109 39430 34957 94823 18429 48373  
35434 71225 46592 00314 52618 53835 89484 95928 96124 96864  
23804 21905 90376 52381 34679 02787 27601 04049 28090 81827  
65840 25953 68777 29287 64182 27469 48326 01606 72376 70106  
13115 39191 00000

Link 80214

**19237/14979/12205 kHz, 02-02, 1330/1340/1350 UTC**

11166 80214 21564 02063 00049 00000 00000 00000 00000

**19237/14979/12205 kHz, 09-02, 1330/1340/1350 UTC**

11166 80214 21564 08059 00049 00000 00000 00000 00000

**19237/14979/12205 kHz, 16-02, 1330/1340/1350 UTC**

11166 80214 95137 16091 00049 00000 00000 00000 00000

**19237/14979/12205 kHz, 23-02, 1330/1340/1350 UTC**

11166 80214 74125 22099 00049 00000 00000 00000 00000

**F06a – FSK 200/1000**

4031/5119/5933 kHz, 02-02/03-02, 0500/0515/0530 UTC	File 04466 (binary contents)
4031/5119/5933 kHz, 09-02/10-02, 0500/0515/0530 UTC	File 44468 (binary contents)
4031/5119/5933 kHz, 16-02/17-02, 0500/0515/0530 UTC	File 44469 (binary contents)
4031/5119/5933 kHz, 23-02/24-02, 0500/0515/0530 UTC	File 44470 (binary contents)

24863/22877/20599 kHz, 04-02/05-02, 1500/1515/1530 UTC	File 04457 (binary contents)
24863/22877/20599 kHz, 11-02/12-02, 1500/1515/1530 UTC	File 04458 (binary contents)
24863/22877/20599 kHz, 18-02/19-02, 1500/1515/1530 UTC	File 04459 (binary contents)
24863/22877/20599 kHz, 25-02/26-02, 1500/1515/1530 UTC	File 04460 (binary contents)

## F02

Mode: MFSK-4/150Bd/4000Hz

15626 kHz, 03-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 03-02, 0830 UTC. QSX 15626 kHz

12173 kHz, 06-02, 0830 UTC. QSX 13856 kHz  
13856 kHz, 06-02, 0830 UTC. QSX 12173 kHz

16083 kHz, 06-02, 0846 UTC

16083 kHz, 06-02, 0900 UTC

18449 kHz, 07-02, 0700 UTC. QSX 16312 kHz  
16312 kHz, 07-02, 0700 UTC. QSX 18449 kHz

15626 kHz, 07-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 07-02, 0830 UTC. QSX 15626 kHz

15626 kHz, 10-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 10-02, 0830 UTC. QSX 15626 kHz

12173 kHz, 13-02, 0830 UTC. QSX 13856 kHz  
13856 kHz, 13-02, 0830 UTC. QSX 12173 kHz

16083 kHz, 13-02, 0900 UTC

18449 kHz, 14-02, 0700 UTC. QSX 16312 kHz  
16312 kHz, 14-02, 0700 UTC. QSX 18449 kHz

15626 kHz, 14-02, 0830 UTC

15626 kHz, 17-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 17-02, 0830 UTC. QSX 15626 kHz

12173 kHz, 20-02, 0830 UTC. QSX 13856 kHz  
13856 kHz, 20-02, 0830 UTC. QSX 12173 kHz

18263 kHz, 20-02, 0900 UTC

18449 kHz, 21-02, 0700 UTC. QSX 16312 kHz  
16312 kHz, 21-02, 0700 UTC. QSX 18449 kHz

9052 kHz, 21-02, 0720 UTC

15626 kHz, 21-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 21-02, 0830 UTC. QSX 15626 kHz

18449 kHz, 28-02, 0700 UTC. QSX 16312 kHz  
16312 kHz, 28-02, 0700 UTC. QSX 18449 kHz

15626 kHz, 28-02, 0830 UTC. QSX 16166 kHz  
16166 kHz, 28-02, 0830 UTC. QSX 15626 kHz

## F07

8152 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2100 UTC  
7934 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2110 UTC  
7694 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2120 UTC  
7454 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2130 UTC  
6877 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2140 UTC  
5437 kHz, 07-02/09-02/14-02/16-02/21-02/23-02/28-02, 2150 UTC

Note: 5437 kHz, 07-02, 2150 UTC. Off after 5 secs

## HM01 - Dirección General de Inteligencia

### 11530 kHz, 01-02, 1713 UTC

Groups: 35081 76779 74436 67334 22865 41377  
Files: 26203508.TXT 14867677.TXT 77407443.TXT 50336733.F1C 14312286.TXT 36724137.TXT  
Callsign: QWERTY01

### 11530 kHz, 05-02, 1729 UTC

Groups: 27616 84684 12561 70501 50251 45813  
Files: 41582761.TXT 74458468.TXT 08821256.TXT 78107050.TXT 76135025.TXT 82014581.TXT  
Callsign: QWERTY01

### 6-02/14-02: repeat of 5 February

### 11530 kHz, 15-02, 1656 UTC

Groups: 06256 43135 31572 12669 46333 25534  
Files: 00130625.TXT 50074313.F1C 75743157.TXT 50151266.TXT 38574633.TXT 47642553.TXT  
Callsign: QWERTY01

**11530 kHz, 16-02, 1700 UTC**

Groups: 16257 43136 31573 52271 46334 25535  
 Files: 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT  
 Callsign: QWERTY01

**11435 kHz, 17-02, 1610 UTC**

Groups: 06258 43137 31574 52271 46335 25536  
 Files: 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT  
 Callsign: QWERTY01

**11635 kHz, 18-02, 1833 UTC, i.p.**

Groups: 06259 43138 31575 52272 46336 25537  
 Files: 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT  
 Callsign: QWERTY01

**11635 kHz, 19-02, 1805 UTC, i.p.**

Groups: 81101 55651 31576 52273 46337 03251  
 Files: 18678110.TXT 36505565.TXT 75743157.TXT 71305227.TXT 38574633.TXT 27750325.TXT  
 Callsign: QWERTY01

**11530 kHz, 20-02, 1700 UTC**

Groups: 81101 55651 31577 52274 46338 03251  
 Files: 18678110.TXT 36505565.TXT 75743157.TXT 71305227.TXT 38574633.TXT 27750325.TXT  
 Callsign: QWERTY01

**11435 kHz, 21-02, 1604 UTC, i.p.**

Groups: 81103 55653 12201 52276 67501 03253  
 Groups followed by WinDRM:  
 81103 55652 55653 12201 12201 52275 52276 46339 03252 67501 81102 03253 55652 81103 12201  
 55653 52275 12201 46339 03252 52276 81102 03253 **File 27750325.TXT was sent after each group**  
 and 67501 55652 12201 81103 52275 55653 **File 32326750.TXT was sent after each group**  
 Callsign: QWERTY01

**11530 kHz, 22-02, 1659 UTC**

Groups: 81105 55655 12203 52278 67502 03255  
 Groups followed by WinDRM. **File 27750325.TXT after each group**  
 81105 55654 55655 12202 12203 52277 52278 67501 67502 03254 03255 81104  
 Callsign: QWERTY01

**11530 kHz, 23-02, 1652 UTC**

Groups: 81107 55657 12205 10161 67504 03257  
 Groups followed by WinDRM. **File 27750325.TXT sent after each group**  
 81107 55656 55657 12204 12205 10161 10161 67503 67504 03256 03257 81106  
 Callsign: QWERTY01

**11530 kHz, 24-02, 1652 UTC**

Groups: 07271 05071 12207 10163 67506 03259  
 Groups followed by WinDRM. **File 27750325.TXT after each group**  
 07271 55658 12206 05071 10162 12207 67505 10163 03258 67506 81108 55658 12206 03259 10162  
 Callsign: QWERTY01

**11635 kHz, 25-02, 1750 UTC**

Groups: 07271 05071 12207 10163 67506 03259  
 Groups followed by WinDRM. **File 27750325.TXT after each group**  
 07271 55658 12206 05071 10162 12207 67505 10163 03258 67506 81105  
 Callsign: QWERTY01

**11435 kHz, 26-02, 1625 UTC**

Groups: 07271 05071 12207 10163 67506 03259  
 Groups followed by WinDRM. **File 27750325.TXT sent after each group.**  
 07271 55658 12206 05071 10162 12207 67505 10163 03258 67506 81108 55658 12206 03259 10162 07271 67505  
 05071 03258 12207 81108  
 Callsign: QWERTY01

**11530 kHz, 27-02, 1657 UTC**

Groups: 07271 05071 12207 10163 67506 03259

Groups followed by WinDRM. File 27750325.TXT sent after each group.

07271 55658 12206 05071 10162 12207 67505 10163 03258 67506 81108 55658 12206 03259 10162 07271 67505  
05071 03258 12207 81108

Callsign: QWERTY01

16180 kHz, 28-02, 2100 UTC. Carrier only, also at 2130z. Switched to 17480 kHz at 2152z

17480 kHz, 28-02, 2152 UTC. Carrier only

**P07**

10251 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1500 UTC  
9333 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1510 UTC  
9074 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1520 UTC  
8128 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1530 UTC  
7691 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1540 UTC  
7458 01-02/05-02/08-02/12-02/15-02/19-02/22-02/26-02 1550 UTC

**XPA1****14374/13374/11474 kHz, 01-02/03-02/08-02/10-02, 1310/1330/1350 UTC**

334 334 334 1 334 334 334 1 334 334 334 1  
00225 00120 19752 09013 72547 30840 69631 29591 25805 26401  
80377 25117 82369 71309 31577 45142 45323 76890 27371 16442  
08964 65571 73673 83251 84159 73111 06094 79603 04455 97143  
79955 59526 26937 41505 71391 92198 58400 76480 08582 98087  
35071 74197 69622 26295 67373 21681 28626 06463 77136 42287  
33242 52769 19915 62762 68746 79492 96144 79339 91964 02784  
30943 22473 23573 19246 24119 75459 29384 52773 71673 04639  
18232 71123 78296 87856 26845 14471 40656 26659 77942 43485  
47274 37051 28812 92094 05140 21386 10187 29169 48877 49549  
49539 49945 01435 27386 98791 22684 13939 74228 94025 36368  
03936 76298 60381 81056 08523 90904 19647 90156 70578 09501  
52014 18141 34226 30765 38681 31460 29787 64449 52977 92962  
33717 87564 65332

**14374/13374/11474 kHz, 15-02/17-02/22-02/24-02, 1310/1330/1350 UTC**

334 334 334 1 334 334 334 1 334 334 334 1  
06670 00162 56819 48978 46842 54577 07229 90658 23637 83767  
52021 60528 51011 31276 26307 31062 02490 17662 39928 15232  
86026 17679 51149 39959 82365 03838 28816 31942 94147 95851  
15906 69037 42484 50102 03203 28912 94420 85299 31875 72469  
13436 76206 88273 25609 16801 66342 81990 68490 50610 89402  
51091 06145 18596 45447 12032 36697 78731 91625 92244 43706  
97200 67551 60076 91531 32721 64315 47180 22003 41793 15997  
67991 08875 14207 05636 81356 00761 09945 84481 51968 91355  
73839 24773 95099 16344 99433 70249 61527 30475 09094 61731  
81105 63624 16834 12308 35878 29285 54425 50164 21070 06052  
82549 68479 70163 99080 03073 75321 37782 93841 94835 03230  
94402 98715 80210 75592 01395 85140 01586 20476 47864 34951  
16339 13804 01342 01006 13903 51903 19644 40102 03479 28731  
78468 53449 92986 26950 12364 85128 30832 29666 32012 74889  
97839 58570 07160 28611 55961 30336 57682 66418 43901 95234  
34341 82209 72893 01157 28368 24477 20472 05849 96600 76825  
89580 80936 36027 99766 00517



## XPA2

13387/13887/14787 kHz, 0800/0820/0840 UTC

### 13387/13887/14787 kHz, 01-02/06-02/08-02, 0800/0820/0840 UTC

00262 00114 62467 25422 30988 27822 75381 22565 51562 45709  
61053 14489 23692 66868 39065 38288 53112 06528 65134 89367  
31904 38683 01362 50439 53616 98390 54009 43450 60517 58312  
54036 46146 35416 23552 35896 96190 84134 98584 96826 19656  
70922 17656 90668 30709 32116 86146 43491 09227 05804 64319  
06414 88051 09391 00656 58610 30708 71481 96212 11440 75173  
26398 36735 58625 75439 41705 19673 09984 77307 98553 23588  
67987 63199 82911 48375 64816 29685 54576 24909 50821 42574  
85523 09396 04362 59066 47939 94660 97396 77780 15114 97514  
26951 62977 85970 97384 83219 73073 17438 04306 49468 84398  
37718 31630 16655 89992 95407 16227 22252 34777 32162 77156  
58042 19469 05364 21965 70689 56292 02242

### 13387/13887/14787 kHz, 13-02/15-02/20-02/22-02, 0800/0820/0840 UTC

00179 00136 99451 07816 30377 83267 35817 68180 45264 50979  
09459 98367 01372 64863 68170 57352 90480 23410 64677 64883  
46018 57263 90705 13533 04991 81741 01303 87928 52442 29011  
04784 38905 34124 16908 27249 69299 52899 53296 86299 32148  
51210 12501 39500 86476 69517 71103 58233 89247 06363 51772  
09507 71324 40712 55061 17167 41751 33209 54060 50169 57124  
29210 21315 45688 67931 78124 73782 48671 92533 20371 91248  
44950 03521 54371 53171 18808 85862 60521 29541 94546 31439  
16059 14118 39462 38357 78894 62026 18639 99548 41804 97937  
66644 07929 32995 35266 51343 23870 41890 73402 83391 43535  
11176 24948 55380 29616 98338 75341 97321 51158 91367 97817  
62175 80117 65334 02558 64025 02948 10871 67584 13665 64256  
01092 04306 26186 53284 33012 49742 34088 45435 62117 39660  
74798 54083 23428 52624 11967 79391 14646 65304 23004

### 13387/13887/14787 kHz, 27-02, 0800/0820/0840 UTC

07618 00098 06230 54644 38926 87255 24562 20726 84915 74684  
69774 58961 23644 92469 15286 04428 67800 27557 31448 61964  
27236 39265 97455 63695 50733 98108 05773 57460 56467 45547  
90084 63007 58202 10722 29545 00579 62589 33812 98975 42727  
98242 81902 42794 61974 60985 31482 35089 43324 02454 19510  
51777 48383 35103 21514 22521 11905 55529 12955 67858 98965  
82050 69691 35180 06870 97883 62487 83851 80829 05231 14578  
10722 75912 91801 41965 83612 40510 66550 44395 66610 09853  
25550 17342 90569 86462 94287 91828 93875 19779 63483 23646  
42224 18999 72508 72484 99950 43517 07881 24922 61591 09738  
70253

16102/14951/13991 kHz, 0910/0930/0950 UTC

### 16102/14951/13991 kHz, 01-02/06-02/08-02/13-02, 0910/0930/0950 UTC

07164 00177 49393 34937 15754 61543 82414 87221 23615 87196  
61422 73051 73760 18789 05992 99237 99619 31035 55273 22650  
79296 10350 05735 49937 65508 91295 37707 02344 60319 65538  
21696 25505 37951 28524 20954 11530 01160 04822 12583 83180  
30198 50349 92647 20235 31533 94383 10847 47816 38798 62755  
42011 35087 53453 40849 78962 32394 92846 26874 44225 78377  
71019 99417 98293 29239 31989 75460 25406 53140 06907 81625  
43134 32084 21128 48171 92809 02624 33475 53551 77093 21122  
43574 87141 29762 79878 94640 53180 67260 16056 41538 38512  
82541 60539 46793 10174 02262 78506 81956 24390 37382 98880  
05220 34333 54955 88094 40287 99995 42857 21241 98249 03322  
70430 03103 89142 93826 71016 64357 96402 26815 20959 24166

13018 54579 30380 80410 75515 22648 93093 82099 17615 32622  
10479 61151 85574 00818 45120 26757 33331 13083 68938 59944  
50614 65393 24388 43145 55189 74055 22019 33802 51199 20221  
46099 57966 11226 42297 95126 29561 35220 08039 89885 24485  
65050 77908 86329 14392 02980 62843 77527 51688 65553 27532  
15542 99359 33018 76421 26563 45554 35857 93146 25319 25606

**16102/14951/13991 kHz, 15-02, 0910/0930/0950 UTC**

02962 00001 00000 36660

**16102/14951/13991 kHz, 20-02/22-02, 0910/0930/0950 UTC**

08281 00163 69815 44373 70813 06171 08159 51054 67735 94321  
40478 84545 43173 04885 32462 55515 38528 47668 20251 09027  
31226 39281 36817 17244 05052 51440 57345 06993 78662 49456  
29362 31674 23163 86113 44996 78048 62959 89744 73408 56847  
66992 39254 54277 59825 00650 94758 59440 52116 39809 03742  
00173 11332 10567 92562 77581 22546 98728 54991 21448 41497  
05513 50523 83090 86513 33755 10472 39891 71412 20137 57147  
08406 43437 30594 65017 42280 22485 36103 07804 16219 01642  
00315 94946 13454 94997 69296 92131 26170 69608 69877 98943  
68270 33354 35060 34933 48075 65232 94804 48807 40838 56328  
02053 86849 32552 41776 34818 17680 49790 69725 66502 33217  
71870 89477 03409 86379 34533 61873 12053 53880 60292 42760  
31247 53749 10497 38719 79345 40039 42587 07952 79333 87027  
53634 43053 25410 36576 96374 41746 61629 22156 12694 45929  
12935 99507 51799 22559 79528 00777 92173 02968 08043 80751  
34592 89261 08728 56805 22170 45666 99864 58270 14501 63027  
82782 62959 91151 40076 21734 16003

**16102/14951/13991 kHz, 27-02, 0910/0930/0950 UTC**

00506 00191 67117 02860 86623 25938 61895 42123 24138 37581  
48745 10037 94798 06921 24306 48248 24475 82169 29596 26909  
49526 03322 97523 12658 51472 60151 99991 49655 90959 79603  
29848 05947 16633 23061 95269 95036 58472 60559 61560 99841  
80114 28558 46086 00048 35238 25287 72500 12424 37165 53598  
48589 13685 90237 45485 55164 47441 00549 16471 29855 58100  
06887 06579 20762 88707 78683 45997 08991 14633 33586 87496  
31821 25114 78627 18220 22432 06162 44936 04954 12219 25868  
00323 83321 59498 07537 93508 98640 41116 74608 29404 86603  
96626 58667 58478 52455 34545 22101 19617 63203 85476 24031  
59276 05378 73967 01007 93530 54569 56401 28531 20920 76312  
83769 99821 01191 13632 98330 43065 33083 01958 75093 00944  
10817 27095 06967 18896 13324 85794 89301 94969 76812 62772  
94358 89022 66285 42271 15352 00346 65424 12439 29228 11025  
38393 35869 49053 25020 00482 33526 02850 44543 96795 75828  
88650 60460 94040 82341 63084 98657 19851 14790 39207 28901  
45434 83197 31258 98090 89643 65111 01166 10689 49510 04532  
67626 23596 02845 28579 73915 08309 39207 68700 62187 28920  
61460 45530 43014 72990 25666 60139 53753 67839 58130 03886  
79151 74970 36184 54027

13967/13367/11567 kHz, 1100/1120/1140 UTC
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**13967/13367/11567 kHz, 01-02/02-02/08-02/09-02, 1100/1120/1140 UTC**

07706 00095 16473 17917 65112 73525 83696 80798 72690 23356  
38272 03119 64145 00578 49063 09832 07935 93934 14639 45857  
31729 62907 20572 17595 41270 04295 31758 36573 13896 71353  
23535 34434 99173 61453 85986 44629 85520 63501 85646 71349  
36096 80641 81055 12169 51845 69068 95434 28447 93741 53656  
55437 01345 89968 99725 19778 36685 83557 26052 08771 08889  
68604 88531 16191 02161 29888 93740 71981 50747 98402 95078  
94271 27231 61388 73608 00310 66404 92268 09880 43823 12356  
43330 05498 01667 34939 09265 30672 12337 29953 11762 76666  
68547 57140 53517 87188 96411 52654 21463 02360

**13967/13367/11567 kHz, 15-02/16-02/22-02/23-02, 1100/1120/1140 UTC**

00404 00132 76316 87437 75215 45871 68616 78273 39252 91932  
49556 72881 52801 79109 13289 31370 33961 20640 73991 53576  
49439 90801 23112 83499 31578 06437 15459 59668 55379 79172  
86073 75143 13890 64751 64543 33603 80498 88116 27110 72436  
46339 95015 58261 65912 93892 60961 24699 62821 81124 06522  
78961 16549 32435 87567 13338 21308 19479 91913 20407 92520  
15001 96607 46801 60177 68077 76654 26251 10524 42795 52350  
65269 01109 71540 34848 68099 32984 53692 75495 36753 48318  
48763 62777 71846 96971 52329 74553 79042 58191 64466 27966  
78787 53283 81293 70509 41262 32297 18318 60667 11589 19417  
48007 23497 05173 20550 97077 11600 43269 96407 47662 67292  
77412 40611 97391 88009 46318 08809 04803 20856 41976 44453  
97337 96200 72419 11668 43402 25952 87733 40870 80661 15628  
72474 20012 02770 22418 24074

**14956/16356/17456 kHz, 1200/1220/1240 UTC****14956/16356/17456 kHz, 01-02/03-02, 1200/1220/1240 UTC**

00462 00144 29973 66423 77442 14728 36520 28751 86641 69542  
24128 33523 19625 12576 95508 86903 08973 16175 69740 58666  
16002 90939 87253 75859 82973 65788 72954 19445 38446 42224  
27419 94582 70085 45157 06362 92783 34345 08390 04164 52213  
82699 82200 89916 87462 18983 92964 73547 64518 26763 10985  
07712 36157 79068 44412 53596 41026 12829 35122 29686 08650  
66052 06756 75621 78044 95847 00893 30795 76424 44272 54296  
86449 77150 62786 59433 82146 30059 74004 96563 28835 89368  
86037 96927 63295 58158 74093 10577 07352 06036 61867 76822  
68824 04274 07215 48586 98453 62138 67381 34968 34539 92738  
61983 12045 80311 12219 99192 38293 50119 78995 62078 97637  
82168 70540 34262 20942 00925 71501 06449 04262 41078 41136  
42307 87375 70251 65956 14058 96358 20448 13942 71519 00960  
67636 90578 56211 44444 89721 88073 75996 49655 23773 40359  
10619 19363 50130 23771 85935 74571 50063

**14956/16356/17456 kHz, 15-02/17-02, 1200/1220/1240 UTC**

07902 00042 50564 79895 78437 12290 03211 86926 44174 09801  
80957 02668 22487 35734 43835 64293 06080 93446 90390 19315  
98808 94435 91854 95860 95086 01263 08172 80853 53000 85276  
12868 48761 24538 26726 20536 05603 17663 89350 64301 10299  
46195 42359 53604 03158 14614

**14956/16356/17456 kHz, 22-02/24-02, 1200/1220/1240 UTC**

00232 00186 03946 17915 38314 40838 56809 54715 89507 64556  
02011 03876 40156 03310 02268 05808 17574 91547 95821 58424  
45121 67114 20846 79666 54160 64132 81145 94176 97657 08093  
14045 33968 81132 78860 07956 71972 63618 73795 18148 56234  
35071 57300 50037 47090 88333 89039 80320 07324 20916 25444  
71574 40906 15005 41732 20021 78425 14783 37326 87427 44138  
06463 35746 01622 22527 45336 61826 77256 82548 37673 36676  
93664 54309 74684 73879 85136 23431 42732 65206 34758 90708  
40576 93849 04771 50159 18556 75491 94504 86143 38880 65765  
74995 78342 70024 74119 26306 45181 47315 82661 77128 55064  
21773 05763 31042 90560 10988 40516 84105 64024 77759 94647  
33540 19998 64460 11439 56910 29548 57934 35418 01769 32783  
44587 31569 18707 35911 28383 23456 45578 15760 76786 49627  
04481 47604 39790 89031 62073 87902 92565 43244 02346 38656  
01057 10056 90016 92888 98379 47168 20869 74606 85158 60065  
37403 54882 10892 08821 15608 32494 39321 34451 74765 53707  
32904 27308 21488 09589 86219 74392 84755 26841 23564 76627  
91273 00172 19246 87149 61155 24504 99096 32179 20026 87530  
44749 41708 09877 95329 67925 65142 79040 47264 73713

11126/12226/13926 kHz, 0600/0620/0640 UTC

**11126/12226/13926 kHz, 02-02, 0600/0620/0640 UTC**

07331 00097 76658 55049 07989 71114 40219 83040 43506 62149  
79916 74002 18453 94851 46703 76744 87341 27121 54471 08878  
29671 35697 09781 82708 14069 67984 86266 36903 81010 36478  
41495 51079 67399 89074 83173 89779 16984 58154 34798 16962  
15644 02103 80508 32406 76936 77969 50103 62429 00649 18285  
71216 38944 16191 23024 41046 07751 09093 08346 31956 96019  
58357 74189 41284 78419 54060 68891 54680 42466 20358 05724  
76356 91450 73734 33302 78642 81434 36089 71331 17024 31195  
80127 81610 27089 46421 87425 48873 40120 51151 24547 78073  
54668 87491 25878 85729 14545 00839 59884 00066 13455 72350

**11126/12226/13926 kHz, 07-02, 0600/0620/0640 UTC**

04564 00001 00000 35662

**11126/12226/13926 kHz, 09-02, 0600/0620/0640 UTC**

05188 00001 00000 35665

**11126/12226/13926 kHz, 14-02/16-02, 0600/0620/0640 UTC**

09765 00113 58680 05695 55895 17294 11621 14845 85135 93112  
29856 53511 92988 14794 53503 13905 12879 40040 36215 25479  
54882 68292 44977 95352 58155 26350 61068 55029 41041 22550  
52522 91640 18158 87842 80272 99807 71469 25687 75353 74848  
74626 41128 54168 86356 08952 92880 59460 23439 26066 34471  
09579 46321 76639 79664 99200 65457 18745 19324 99832 93405  
76416 32825 89605 06763 77071 03198 07944 54615 42535 58909  
28033 81291 48133 91513 70040 84456 98660 59422 14305 28179  
62522 13133 16927 36303 46330 95046 52033 32129 70705 88040  
81739 16518 34433 54655 15398 80172 32714 42363 08085 81726  
82892 06229 80124 98129 11261 56351 91678 97592 40953 31829  
91879 11699 40670 23052 14132 27370

**11126/12226/13926 kHz, 21-02/23-02, 0600/0620/0640 UTC**

00520 00125 59758 94009 79746 83524 70690 45190 81436 58950  
09060 99475 78708 74461 10516 41597 30399 02087 33169 45859  
10444 90272 75746 02100 47059 27504 53991 12704 25476 85234  
54372 81654 87236 37890 34611 35302 26865 08032 90253 33496  
28768 39703 30950 91581 61509 92363 25717 41762 06171 09076  
39180 62403 86458 79259 95163 43414 14003 46127 24730 65968  
59928 48880 90436 33915 57200 97614 15165 93912 59032 65207  
18998 71837 57501 96522 44594 67794 24289 02111 13566 25426  
68597 37061 21091 19493 12606 13564 59439 48922 18185 05413  
04421 36510 43104 93326 17751 41648 06258 45041 84354 78533  
02989 91649 26178 45031 63472 72885 04805 43721 64639 86679  
28818 82828 59059 47515 94639 95280 76270 36861 30568 98612  
74878 42526 27398 58222 14612 28728 03784 43531

**11126/12226/13926 kHz, 28-02, 0600/0620/0640 UTC**

04501 00001 00000 34254

16146/15846/14446 kHz, 0910/0930/0950 UTC

**16146/15846/14446 kHz, 02-02/04-02/08-02/11-02, 0910/0930/0950 UTC**

02471 00164 27967 67441 39620 97781 81172 95408 48623 24404  
42469 80907 86090 39361 39984 53031 91794 32956 20585 67436  
09356 76680 21373 07302 75301 99176 84021 99139 15674 26304  
02439 60828 43240 81027 79189 25939 03432 86210 99596 49171  
14741 79616 01976 53168 81085 63507 36630 82036 64098 78495  
51314 70514 10485 71056 69816 25802 30367 56387 95928 06210  
61085 78750 12113 94380 32928 53144 47635 50312 89220 24158  
39556 41789 50502 29688 11222 46676 77202 99359 88171 35978

59324 66384 81461 72675 62054 67091 03361 55669 91119 66437  
21130 17995 00246 15002 30692 37734 62342 87967 68391 99385  
19572 00701 43839 05451 33574 31093 46764 75627 63967 70126  
92397 34707 96292 61805 64567 07653 69848 73776 95100 62895  
27206 20214 27021 39021 68185 67558 58410 88152 46407 91113  
91655 05312 33171 15483 75343 22182 57911 20346 29475 19151  
83895 52514 17804 64822 24897 37630 32487 04844 18999 29639  
59307 53050 29560 76809 93497 57201 76526 29124 06746 61482  
79275 18371 93201 22447 06459 03293 34566

**16146/15846/14446 kHz, 16-02/18-02, 0910/0930/0950 UTC**

00292 00089 28949 98133 37924 99404 94058 06764 71651 49066  
36061 37979 99766 43950 42981 69355 08795 58655 43648 66082  
19960 16078 22447 26355 22848 36362 63335 34144 20959 45283  
14292 49306 37024 50478 52539 79157 74738 05536 17896 12940  
48403 99814 40711 14639 95348 85699 78258 70430 41164 40042  
39418 48427 65277 51621 71477 62963 55686 19445 09961 65263  
46260 85451 74925 79739 42041 69935 67446 02401 42907 14592  
84490 71376 04684 64893 26403 68892 17830 74387 46992 20330  
57795 94406 80335 87811 64432 44355 95775 25207 39890 33410  
01747 22715

**16146/15846/14446 kHz, 23-02/25-02, 0910/0930/0950 UTC**

00388 00114 96586 27995 73508 79877 81901 54460 00763 69338  
98357 94500 32933 62558 44316 24376 98083 53897 28114 16147  
34472 99851 76540 89059 65506 92168 49953 64329 78071 81331  
90941 69988 82960 51822 13564 88736 83523 63027 02473 32823  
50173 32726 21574 13620 30875 30977 95104 50199 61961 08253  
23346 56061 25612 11867 65376 78498 22618 61757 98617 65773  
73648 73674 03548 86648 38914 00161 49168 07887 43813 04881  
24374 70847 38489 28116 27420 84005 29262 07753 24183 31345  
12053 47129 17916 25677 13653 01300 02782 99995 62717 14443  
21605 01709 28982 24125 41257 17626 19930 65094 69224 56305  
90139 99546 08286 88152 81454 78067 06519 48067 88909 03024  
78295 61068 43738 08711 81850 18257 45651

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

06619 00213 79122 02153 19511 62374 17579 35517 61854 55235  
53631 76799 98611 62520 28855 52922 01348 90616 46375 23808  
26293 24843 47237 77125 55895 58729 63019 43034 33377 11836  
06653 35671 28630 32428 91185 40837 01969 40002 96359 78581  
85420 58206 86370 01921 43009 79130 13461 00338 96523 56023  
40937 95014 36886 38144 96348 26633 82038 98935 01720 31910  
66619 15951 28168 37516 58548 61588 89476 20053 36818 57152  
99209 76226 89232 45520 38447 98743 98188 04892 39148 52905  
52119 68995 50723 19508 32876 42783 90528 31547 73105 13912  
53740 92597 20430 49870 05553 45738 66177 27395 18468 54408  
40825 53048 90029 18632 26932 89144 48725 76977 63718 51088  
25009 22289 67777 28419 83489 55328 58437 78734 34116 52004  
50597 39850 98882 91949 45415 19272 12522 09762 52573 26985  
78202 80953 34826 76641 56842 48262 06211 58571 28463 89812  
98962 51658 47522 66313 64746 44010 63503 56305 84545 13631  
76532 84660 81120 94414 50121 46600 59709 20550 06726 73532  
52460 10944 38637 72994 99462 58968 31606 09929 27608 00376  
46882 92936 33269 73451 43651 50395 16539 67596 83807 50232  
37460 10359 77548 92851 09045 89672 70449 60325 00263 90212  
23521 73388 66712 62846 15622 07951 14860 94213 44349 73771  
36234 29142 90502 89913 19365 83137 12771 14021 65155 77730  
29440 01960 84939 77927 01533 15573

**12173/10373/9373 kHz, 07-02, 1600/1620/1640 UTC**

05942 00001 00000 36661

**12173/10373/9373 kHz, 09-02, 1600/1620/1640 UTC**

08453 00001 00000 34665

**12173/10373/9373 kHz, 14-02/16-02, 1600/1620/1640 UTC**

00210 00210 72581 02286 12586 42348 59791 19239 49026 01703  
88406 96890 15834 87981 08098 88136 05628 97740 67207 76304  
71326 18600 18162 85767 51037 91236 56679 76100 38832 42126  
31478 73852 79170 79072 97164 31033 03750 12923 24081 41220  
23126 46868 32346 69657 07689 55917 33075 10463 39951 63988  
82217 95196 03558 92263 70254 38253 43097 90649 20002 76780  
11861 50648 33950 68949 35628 93686 09886 58568 12904 89419  
29792 88884 60515 23716 11582 33097 53391 42172 74787 97680  
06090 49053 25036 57071 52627 83810 67097 51269 43184 19163  
18216 95691 51606 41397 05120 48987 74080 68751 77989 34129  
41193 25456 26971 60455 69902 30369 26280 71007 14263 43446  
12925 22125 92209 36086 02031 67354 14290 70937 74859 36619  
49614 94093 16391 88228 24627 30986 51628 58498 61455 05888  
42873 16467 55067 31849 77613 15577 80958 88616 00611 40198  
57289 81140 06264 99580 39577 86519 69936 43579 93668 26317  
55290 51025 43027 12288 92724 82251 43762 96214 11769 06030  
90812 82901 16761 36310 65659 28502 19933 62069 98713 71017  
22613 40681 14528 72803 30254 16767 78195 60303 54812 20923  
14966 99582 92657 92158 24636 69508 29139 16586 37675 44220  
62509 24642 98100 23095 15367 53764 87296 84896 10468 67831  
86441 38767 08978 81297 51899 16186 14449 49783 96907 20407  
91617 77211 01540

**12173/10373/9373 kHz, 21-02, 1600/1620/1640 UTC**

08130 00001 00000 31663

**12173/10373/9373 kHz, 23-02, 1600/1620/1640 UTC**

01947 00001 00000 41255

**12173/10373/9373 kHz, 28-02, 1600/1620/1640 UTC**

00231 00256 16369 75190 54724 12777 59518 41004 41213 22357  
27054 49643 61911 04326 92413 99961 15547 84585 69425 30627  
08933 21537 56944 30871 50560 56173 01823 08139 24509 44273  
68900 45705 81020 57069 68893 48132 53937 12094 86943 85981  
49902 39932 59499 67685 46097 84874 81903 44362 39167 03866  
84759 09044 47686 02561 51093 09457 80219 92416 12656 04226  
58705 96047 62730 24395 44633 05739 68384 88626 15448 59141  
39831 79882 59079 81657 37870 58342 15267 16907 15599 18316  
07311 58497 90413 59427 12587 69483 31958 18607 79413 18991  
78626 82765 00985 15716 09111 66144 54573 64410 40087 45356  
69888 32948 51249 58726 73394 79309 97526 12548 68408 05454  
42564 00696 07968 84162 40633 21119 96406 02476 64404 59642  
11008 04343 73501 04533 83323 98508 82089 02747 45672 90014  
72593 75798 65946 25150 50949 88924 94921 75363 15917 76717  
34688 16818 20470 89879 85470 68591 29572 43374 99886 56684  
90550 09135 67719 17483 31300 16478 76956 07641 86590 95966  
16659 68912 17898 98741 97261 87246 11687 59517 74926 79919  
35165 95524 04423 50291 27319 80329 63043 57231 91314 34220  
92513 36723 32417 16023 57572 86644 90154 78553 61549 96652  
35144 03393 26311 24482 81016 79090 04021 29445 53755 61056  
83125 86016 18097 80695 97572 68136 79998 68536 80220 42496  
51510 49819 20853 85901 01126 01068 11528 28906 57734 15311  
66751 57792 88429 68176 87080 29582 23770 91797 69747 70041  
61323 23138 35331 03851 01798 62959 03207 72294 66982 02399  
72181 71456 62529 85415 11134 24013 59370 02949 76385 05018  
26121 10853 23454 44399 91311 00058 77543 14939 40205

**15835/17435/19535 kHz, 03-02, 0900/0920/0940 UTC**

02511 00001 00000 34253

**15835/17435/19535 kHz, 05-02, 0900/0920/0940 UTC**

04467 00001 00000 36662

**15835/17435/19535 kHz, 10-02/12-02, 0900/0920/0940 UTC**

05785 00149 76404 24843 50316 24049 28150 49098 99432 81880  
48282 15970 67269 33091 66026 84590 10420 81725 89739 88494  
26091 54779 15132 87932 75736 39394 15613 38486 66877 76630  
02002 94969 32272 99270 21758 25374 90615 03070 40544 40485  
52872 12138 62305 43606 11056 63979 78325 86744 28498 61625  
65850 10103 20723 06245 26701 89688 85777 65682 84781 53508  
68177 30472 16883 51723 45619 10676 05417 29163 80273 41511  
55169 90340 43671 73977 16344 55688 11976 44989 58696 33589  
40527 47362 43822 37367 02094 50172 17092 86603 24276 84091  
10961 35013 26963 20765 79200 23566 85730 40333 97979 99906  
81517 47066 51653 78035 31471 91859 53427 87172 47631 67357  
03006 76908 39543 92705 74767 46292 44428 19440 74070 28241  
06966 55817 72209 16148 86890 92101 82992 86003 38443 10669  
18665 23754 73333 32227 70562 08512 89245 31577 89247 60306  
27259 95407 36354 19255 09269 77924 25858 30541 18682 71733  
25745 24264

**15835/17435/19535 kHz, 17-02/19-02, 0900/0920/0940 UTC**

08686 00157 20247 32574 04768 16490 06625 93195 81208 54760  
83699 53379 60381 28824 20611 46028 06860 82275 03153 48900  
06977 58270 38917 15660 28892 78679 93353 91851 07845 65628  
32506 88414 58660 83718 52780 63592 99301 50101 63118 81633  
77579 73975 49251 35677 33126 05401 05343 80239 30625 13489  
54592 26488 58840 29045 79668 23530 52644 77414 78497 42169  
59314 48367 35350 96431 26860 43786 68607 85586 45440 82583  
59161 70301 05150 59758 04783 59763 07021 67006 26407 88296  
23090 56133 26997 61559 72292 19238 61956 20579 00104 48594  
24685 64365 76360 55751 88615 31004 30415 60717 49113 68866  
85363 96031 66082 95485 62598 24599 62305 57792 38965 15182  
56651 17020 43532 77492 28054 46970 25062 73047 45276 98628  
29346 26905 72425 07139 20292 20806 65668 71468 60891 47782  
26379 69862 17873 31607 69959 74401 72296 71015 87984 90556  
74914 41705 68313 98148 38114 86253 02648 75049 28303 84046  
12565 81141 59713 05683 63974 25731 00695 54796 32601 32405

**15835/17435/19535 kHz, 24-02/26-02, 0900/0920/0940 UTC**

00415 00125 61781 43574 59572 09132 60413 59206 55578 50192  
03523 74550 74256 50244 40318 87014 78572 30862 35549 68211  
79975 84866 24596 37513 40462 51086 07669 22500 35356 52455  
96572 56240 14767 79555 85293 47186 38691 96993 54606 35239  
76005 08072 67816 01385 10462 43585 72997 77658 55276 04619  
45375 55644 85238 86890 21219 26970 66358 97692 21842 33923  
51792 77071 64316 50570 12873 02042 11541 63717 85481 64269  
01908 44303 04755 37969 84632 71471 63862 26101 03462 96102  
07857 16969 28668 03393 27500 63724 18710 25261 56535 23230  
16043 05432 10634 86556 03496 98722 57202 61080 92699 89015  
32002 26600 09556 71285 14412 73412 94236 77873 87769 04455  
28597 00154 39490 51262 73649 94367 48539 52296 14181 29862  
13012 27086 84727 33560 38514 66021 65204 74336

**12147/10347/9247 kHz, 03-02, 1100/1120/1140 UTC**

06910 00187 60906 43742 22978 35994 32164 68456 34127 89484  
61748 09277 86492 96564 24623 79564 38247 03501 05037 09099  
10579 53582 20902 68303 47977 51438 47043 25284 64339 57425  
54075 82146 55457 41401 14263 81107 81097 73410 97996 86057  
93269 06506 84510 10755 21300 15229 44911 57319 82914 83912  
03607 22281 23123 86491 61130 76733 54736 27411 44337 37081  
41487 39584 67715 49198 82845 49774 02913 12270 47505 43209  
37584 93693 48833 34060 85491 21388 86525 15389 46962 96224  
03928 86806 68344 53531 50854 75508 38740 67577 01111 04005  
34310 98266 29341 37353 11156 28030 20121 39963 58319 26257  
58464 45886 83028 22883 97770 48929 63532 37271 38812 18157  
10255 48840 26196 18373 96351 91727 49069 20868 05401 89308  
89243 61773 24461 21268 37327 63259 58312 18739 95121 84544  
20202 79349 43796 53200 56886 28380 30634 66423 15776 41914  
41504 25380 63863 38711 58008 53552 50866 70163 98186 12902  
92895 41785 50319 28647 28481 39948 35831 49269 51762 95237  
55776 22391 51386 94919 67564 23822 56308 01212 52759 87074  
19419 28888 92197 12009 64804 53737 34077 46140 16050 71146  
78809 62738 39722 57395 59442 58447 86033 57358 45888 05335

**12147/10347/9247 kHz, 07-02/10-02, 1100/1120/1140 UTC**

07338 00133 44122 27057 92328 42115 52154 33037 76365 67885  
01791 78866 71259 08956 83150 71323 07279 46648 50231 99417  
54818 87932 33922 66010 92109 15859 49206 61665 66101 28201  
01702 40801 73157 35606 13812 73415 44686 03798 94109 08439  
89482 33097 12597 49654 34297 12388 69204 14364 16937 85832  
99210 52947 40536 44520 89041 08468 90763 50248 92243 23131  
68224 01599 16415 87281 60621 16956 35196 82039 19424 47630  
92048 04945 47711 49132 31407 15801 44789 79512 36711 77448  
11137 34910 29909 25275 43980 40196 67980 13219 05590 80191  
38414 08673 81926 57801 11972 93751 11990 77997 95351 03147  
06338 97707 41574 45644 19631 19203 77684 21346 89215 54328  
84907 28826 70891 12376 62744 21983 62218 27047 34180 35294  
28397 85558 19597 86717 69789 74691 96699 87997 33424 10320  
47150 23712 43416 92889 37711 02114

**12147/10347/9247 kHz, 14-02/17-02, 1100/1120/1140 UTC**

02100 00074 21887 90262 66608 32267 25056 22756 74013 51941  
82014 04221 57661 29107 64070 02937 76236 51914 91142 14780  
24460 34048 82150 87468 59900 01137 03676 62945 92672 82432  
02605 80603 35123 33264 92263 18848 08770 13538 59359 73769  
84397 20826 24048 36361 86063 41698 09135 83888 04510 98848  
76969 33461 64700 97801 81468 32042 53641 67667 09476 57205  
99707 27755 74694 49806 92217 19071 63511 47737 62407 11755  
02987 72651 27569 61551 50848 76347 67434

**12147/10347/9247 kHz, 21-02, 1100/1120/1140 UTC**

02956 00001 00000 40657

**12147/10347/9247 kHz, 24-02, 1100/1120/1140 UTC**

02289 00001 00000 36662

**12147/10347/9247 kHz, 28-02, 1100/1120/1140 UTC**

09921 00053 06247 90938 01087 13353 36631 10392 37380 18170  
69301 39440 39997 93062 36242 89512 12579 34588 84126 26741  
34053 23810 18801 97119 68131 36934 97227 69029 45662 51143  
14276 91548 32392 02270 22840 08868 87348 93346 38071 31064  
94224 93408 48581 46264 78896 52121 50871 17685 09927 59290  
95203 15738 62950 59398 65353 40062



**11461/10261/9161 kHz, 04-02, 1600/1620/1640 UTC**

00439 00263 09752 17802 06621 68019 34290 23565 74007 43964  
01258 74899 81213 97276 91856 41848 12682 32321 26010 59261  
14180 10266 73859 83276 92655 26042 14355 26251 63517 39033  
09522 57192 36728 96189 26648 64614 51306 63167 39707 80773  
49649 61970 55658 95776 86984 32222 11661 09966 31421 30201  
25901 99685 22263 80629 52551 36112 22433 84891 72711 27214  
53594 67075 65864 95250 64004 38971 21619 24145 63772 98046  
05285 05404 14909 18239 52953 70613 82510 52096 88712 55404  
57081 06587 33782 16192 08612 30111 26940 16722 86673 25485  
59633 23591 59945 62320 98865 20210 36264 72082 34480 28534  
38010 11945 01290 23414 63273 88762 80792 41430 30770 16696  
71662 09365 71484 07146 54496 70080 46535 84820 78248 15537  
33389 43002 21503 63449 01967 90829 09493 64819 65461 91387  
78171 99872 04057 18979 95611 30245 86978 91255 00553 80792  
50656 44535 36307 73189 26576 67557 00666 95112 35149 68252  
47062 14139 28898 55563 81220 89882 13734 31479 40553 07950  
65195 54505 13574 25526 31811 71179 95977 56033 61891 06525  
27885 69270 31140 09738 77920 56662 18162 54786 01596 14371  
17043 57013 64966 71931 99929 96802 91518 48745 73818 80802  
97945 53783 56233 24587 18946 37185 93975 10185 19787 61893  
65442 86967 88187 05376 14190 45297 15829 58399 43472 17503  
01986 43505 38108 12135 08775 30294 60516 53144 98459 68702  
13672 98540 11080 82598 06683 08305 56402 39698 92496 04949  
12546 97777 19321 34718 47116 37784 77265 39865 53902 87788  
05970 79518 72444 08627 78188 28371 24353 82232 23918 26188  
35890 48862 53731 89114 56769 17811 00181 62975 45945 71440  
34286 48410 70443 66470 98863 10052

**11461/10261/9161 kHz, 06-02, 1600/1620/1640 UTC**

05561 00001 00000 34263

**11461/10261/9161 kHz, 11-02, 1600/1620/1640 UTC**

09556 00001 00000 36666

**11461/10261/9161 kHz, 13-02/18-02, 1600/1620/1640 UTC**

02455 00281 51939 82906 28451 58848 40523 02534 47929 74732  
95349 39525 07288 29765 37908 03184 40725 85190 13176 14157  
45956 85351 50831 61141 74916 16985 51279 08138 66870 24523  
81924 54113 73352 22594 88112 28979 64049 92739 19812 03254  
26553 70872 97556 02648 31479 74600 11987 94919 60264 00817  
18859 45482 12662 82915 67703 53011 35696 55610 13383 14915  
74480 70371 04615 88494 03956 00893 74153 00381 51567 32368  
48750 77449 61195 16779 67623 50847 62510 67652 48571 14707  
25635 62430 44663 86555 13808 68850 70269 77838 73223 94213  
96209 23044 29937 48544 03504 89723 93062 18118 42129 73438  
48015 41486 41627 94255 64329 27806 90260 06298 73846 05503  
35164 58845 20758 39831 28495 74359 10774 30517 86911 64336  
43181 58392 88961 33567 90783 14867 27348 94439 83109 00848  
51712 56783 42554 98313 01968 83831 63033 23640 27864 35062  
79203 61920 11272 78746 87390 95716 66854 10820 88221 08106  
16429 24785 23636 75603 98886 45793 44617 60111 01209 53668  
66752 27110 00998 18338 39172 44043 49920 04965 53345 11402  
42734 32307 09458 61280 02308 09646 08338 01286 73249 29388  
34311 76301 85707 67181 24577 05430 53355 87494 50194 96485  
15159 32701 33783 94785 74483 64988 16748 01358 80109 26491  
22714 08381 31245 03223 63927 29880 09893 36876 72961 96470  
68119 60653 11537 55924 23613 59945 09704 42513 95474 81604  
78646 67280 08135 72616 16594 36993 96698 07834 57840 10153  
31674 51325 31087 97448 85632 88643 57687 12378 37917 05797  
07105 63554 66758 52350 92930 48238 44344 84558 20684 46429

18206 16894 02182 85533 03890 33289 27322 98952 88861 68246  
89521 04205 43988 62915 39682 29897 40058 80745 34809 06425  
16589 62273 07088 38731 51063 46084 90001 35555 19172 85444  
54939 29892 50323 63133

**11461/10261/9161 kHz, 20-02, 1600/1620/1640 UTC**

06784 00001 00000 36666

**11461/10261/9161 kHz, 25-02, 1600/1620/1640 UTC**

07668 00001 00000 40265

**11461/10261/9161 kHz, 27-02, 1600/1620/1640 UTC**

06417 00195 46901 78815 88328 07119 65368 34356 08244 63639  
57882 87984 74995 21101 57973 52700 01160 98090 14743 88612  
58666 61744 89626 11865 91991 74388 63952 98624 98642 76006  
69441 39393 76048 02746 74426 73972 59420 14533 97367 83627  
66652 12580 91313 86856 29867 47702 24259 06646 30508 07718  
19502 08276 33689 68289 85826 07606 55995 68249 40564 44587  
44822 59316 54160 29032 54462 70656 24851 71807 97501 47310  
34437 67477 07682 79016 14947 19527 81455 52524 39116 33109  
12711 81196 27262 43196 93378 31221 97738 06773 42696 52585  
14668 48698 39907 72019 89394 41020 77507 20515 70201 95557  
08868 82812 53774 34533 33752 27556 53781 72073 31126 88370  
03049 73144 15383 68234 27549 43858 94037 55127 50088 26619  
09088 08786 27579 48297 19198 16158 78558 51305 95418 05898  
27912 24715 30271 65949 46339 85896 57794 92872 44827 91307  
37141 22858 26388 94971 11072 47889 83120 83101 77491 72332  
58791 71401 61242 00201 00623 64663 47010 17192 09098 71641  
85419 58817 03137 36260 37183 48128 15335 00241 53508 43670  
49850 19653 57213 67560 25296 57606 82608 01136 89057 72166  
70227 31609 91740 52630 43778 63117 10812 30750 74573 15436  
09423 92871 16306 95940 48381 77778 88848 56247

11163/13363/14563 kHz, 1200/1220/1240 UTC
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**11163/13363/14563 kHz, 05-02, 1200/1220/1240 UTC**

07725 00001 00000 37261

**11163/13363/14563 kHz, 07-02/12-02, 1200/1220/1240 UTC**

00378 00216 28004 69461 34056 99611 70967 04549 03751 90281  
84341 53150 92859 00086 26317 73022 94830 00832 01741 57872  
11569 91544 93265 76662 52579 54455 09347 90549 77353 72493  
13957 21371 23073 69347 12608 65859 27424 97966 85239 12308  
03596 91036 78847 43297 56167 53582 09510 03165 28782 43417  
39216 38428 19638 54000 29984 70110 00341 53935 59050 31610  
05356 59435 70533 90501 21037 36191 34546 56535 95888 42645  
67088 76048 29500 25475 58100 34469 57876 77511 41574 15730  
08222 49560 32920 56531 57072 45169 36092 02575 82970 30929  
86006 16871 35260 72737 41976 06036 14687 96374 89079 74764  
41293 61899 90439 95684 72307 63316 82371 86364 99839 65209  
37711 51861 91092 77506 61009 83599 48608 08632 80623 94858  
58636 03788 34458 68419 12587 08830 56495 78725 14041 36366  
16186 72829 93446 95949 93512 28757 68715 96459 16077 01829  
30857 02982 61224 21391 91540 39849 48667 36405 24341 73865  
28400 14144 91504 53424 87608 83285 88330 20760 38814 98400  
43717 17749 51337 39331 67073 91028 88517 35606 20750 48666  
23790 11262 69792 08252 99927 18567 44395 65097 72982 41134  
16250 78466 43298 08162 22337 51909 74294 67805 93147 88701  
31633 73725 69239 13842 68487 94173 31691 58132 41066 09609  
11195 65998 24521 74954 89708 63481 53728 69781 41078 42227  
83739 15525 75881 41311 39474 50400 88005 64293 06545

**11163/13363/14563 kHz, 14-02/19-02, 1200/1220/1240 UTC**

09489 00194 33001 45306 66081 28618 17287 16466 19350 64671  
94166 38481 94810 85442 66048 61289 45229 75379 50002 03344  
20462 19736 41256 16667 25223 38589 05506 82362 23176 81645  
57639 04517 98372 99655 53485 40583 81348 19828 01098 15164  
23196 39045 09221 76100 74830 40458 32083 40969 37533 74861  
89619 17631 74624 31065 97309 47575 68919 19152 47446 15106  
26263 15458 99949 22521 61140 30509 52692 52807 75021 69058  
82721 74899 37673 03075 12895 76378 27195 94081 26439 18966  
62177 81740 52291 02600 07415 20979 57294 98979 50886 06525  
73171 67769 53081 75207 82748 52810 75114 24606 35385 53545  
31528 80753 05016 83368 91523 38209 88426 16481 98565 25715  
60088 47512 64655 27613 82699 13921 05415 23060 52793 03713  
60965 04466 28078 62833 21591 42244 27190 52461 64543 67552  
90283 69622 14728 92836 49550 17093 97153 28627 70446 98792  
98822 08804 46122 85483 48407 60956 31558 32440 71994 82774  
94166 10189 43919 73061 24385 28613 68035 01897 48705 69854  
36316 45705 50945 36617 92626 63346 39432 30810 03427 88430  
58268 09275 10979 57389 81760 43347 63526 76911 66390 46359  
85080 68144 42712 99632 54913 50293 33825 35229 43397 63046  
03080 28775 19514 87242 00437 34664 33720

**11163/13363/14563 kHz, 21-02/26-02, 1200/1220/1240 UTC**

00526 00186 82027 85285 22591 53220 27914 52820 30234 68081  
02291 34535 12974 55239 94871 26378 50447 77099 06568 34508  
43799 86907 76697 37227 91199 21921 45873 44043 50395 63868  
09453 21104 13764 64431 23224 92723 86463 05753 65582 47651  
69583 57059 01027 50985 92406 06818 92772 94890 03196 73983  
35544 83756 27755 28192 87574 66853 25629 98648 13979 23451  
97651 54888 38183 60136 66228 85192 02395 34384 69946 07721  
96160 38132 47677 00008 03182 95157 51439 46894 66451 50742  
91977 02418 77095 51920 41619 94456 24599 41622 00856 07389  
04992 08035 56439 87796 21839 95058 66863 40516 08930 65236  
96011 31073 88630 70322 93116 40613 05353 36346 63026 89040  
14709 66230 13328 32515 67760 58407 48559 10238 25039 40533  
13761 82163 95383 91195 44824 72552 49447 73721 40219 40458  
07481 83586 45060 20453 56717 41320 06820 20435 24732 20005  
01027 14208 75441 11797 65680 92627 18802 34776 57600 92408  
89966 14663 21819 66759 78614 65673 46337 25671 85323 30915  
82059 03731 33103 74494 45812 25483 44920 96684 26686 34423  
33414 30753 84973 21881 24541 16260 55691 96889 88005 13176  
12853 76086 63220 44615 38471 00577 55762 06444 61674

**11163/13363/14563 kHz, 28-02, 1200/1220/1240 UTC**

07358 00001 00000 36664

**14956/16356/17456 kHz, 1200/1220/1240 UTC****14956/16356/17456 kHz, 08-02/10-02, 1200/1220/1240 UTC**

03985 00086 80795 49898 79193 12298 49023 90445 09832 84894  
09292 98783 11906 01023 62554 97693 82047 91106 99308 90010  
78779 02721 65583 03800 18977 27407 75444 96612 31356 12398  
96128 65588 68759 59286 24760 36055 99472 88081 73702 49003  
34124 69238 73627 01393 94232 12679 85854 14334 75965 92924  
17514 48675 56375 40274 81928 94800 48827 03354 90310 72010  
18660 15082 50397 81782 53943 53898 24944 40277 09128 44610  
28701 94080 14642 26822 23914 08245 49981 03904 29208 18377  
54870 02351 62685 63462 62547 74438 49942 80136 66056

## **XPB1**

14873 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1200 UTC  
14373 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1210 UTC  
13873 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1220 UTC  
13373 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1230 UTC  
12173 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1240 UTC  
11173 kHz, 01-02/04-02/08-02/11-02/15-02/18-02, 1250 UTC

20035 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1300 UTC  
19235 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1310 UTC  
18335 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1320 UTC  
17435 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1330 UTC  
16235 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1340 UTC  
15835 kHz, 03-02/07-02/10-02/14-02/17-02/21-02/24-02/28-02, 1350 UTC

15814 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1100 UTC  
14814 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1110 UTC  
14414 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1120 UTC  
13914 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1130 UTC  
13414 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1140 UTC  
12214 kHz, 04-02/06-02/11-02/13-02/18-02/20-02/25-02/27-02 1150 UTC

13443 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0600 UTC  
13943 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0610 UTC  
14443 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0620 UTC  
13424 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0630 UTC  
15843 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0640 UTC  
16343 kHz, 06-02/07-02/13-02/14-02/20-02/21-02/27-02/28-02, 0650 UTC

## ***DIPLOMATIC STATIONS***

### ***North Korean diplomatic stations***

11045 kHz, 01-02, 1200 UTC  
16252 kHz, 02-02, 1325 UTC  
16255 kHz, 03-02, 1340 UTC  
12203 kHz, 15-02, 0458 UTC  
14520 kHz, 15-02, 0700 UTC  
13200 kHz, 15-02, 0640 UTC  
19100 kHz, 15-02, 0640 UTC  
16250 kHz, 15-02, 0732 UTC. QSX 16257 kHz  
16257 kHz, 15-02, 0732 UTC. QSX 16250 kHz  
14300 kHz, 15-02, 0810 UTC. QSX 14600 kHz  
14600 kHz, 15-02, 0810 UTC. QSX 14300 kHz  
16870 kHz, 15-02, 0844 UTC. QSX 16450 kHz  
16450 kHz, 15-02, 0844 UTC. QSX 16870 kHz  
16255 kHz, 15-02, 1230 UTC  
14800 kHz, 15-02, 1231 UTC. QSX 14600 kHz  
14600 kHz, 15-02, 1231 UTC. QSX 14800 kHz  
19100 kHz, 15-02, 1245 UTC  
20100 kHz, 16-02, 0805 UTC  
16675 kHz. 16-02, 0915 UTC  
12203 kHz, 22-02, 0457 UTC  
12208 kHz, 22-02, 0457 UTC

## ***Egyptian diplomatic stations***

21588 kHz, 04-02, 1500 UTC, SITOR-A 100/170	Egyptian diplo i.p. Very long message
9046.7 kHz, 16-02, 1712 UTC, SITOR-A 100/170	MFA Cairo wkg unid embassy
17445.7 kHz, 17-02, 1357 UTC, SITOR-A 100/170	SSBT: MFA Cairo message to RCVB: Egyptian embassy Washington

## ***Bulgarian diplomatic stations***

17440 kHz, 01-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 01-02, 1359 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 03-02, 1327 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 03-02, 1356 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 06-02, 1144 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 06-02, 1328 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 07-02, 1331 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 07-02, 1358 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 08-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 08-02, 1358 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 09-02, 1330 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 09-02, 1400 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 10-02, 1326 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 10-02, 1326 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 10-02, 1359 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17461 kHz
17461 kHz, 10-02, 1359 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz
17442 kHz, 13-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 13-02, 1358 UTC, RFSM	MFA Sofia wkg unid embassy
18515 kHz, 14-02, 0705 UTC, RFSM	Bulgarian diplo
17442 kHz, 14-02, 1335 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 15-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 15-02, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 15-02, 1458 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17461 kHz
17461 kHz, 15-02, 1458 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz
17440 kHz, 16-02, 1327 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 16-02, 1358 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 17-02, 1243 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 17-02, 1327 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 20-02, 1329 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 20-02, 1357 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 21-02, 1330 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 21-02, 1330 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 21-02, 1400 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 22-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17464 kHz
17464 kHz, 22-02, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz
17442 kHz, 22-02, 1355 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17461 kHz
17440 kHz, 23-02, 1325 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 23-02, 1347 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17461 kHz
17461 kHz, 23-02, 1347 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz
17440 kHz, 24-02, 1327 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 24-02, 1359 UTC, RFSM	MFA Sofia wkg unid embassy. QSX 17461 kHz
17461 kHz, 24-02, 1359 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz
17440 kHz, 27-02, 1327 UTC, RFSM	MFA Sofia wkg unid embassy
17442 kHz, 27-02, 1358 UTC, RFSM	MFA Sofia wkg unid embassy/ QSX 17442 kHz
17461 kHz, 27-02, 1358 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz
17442 kHz, 28-02, 1400 UTC, RFSM	MFA Sofia wkg unid embassy

## ***Russian diplomatic stations***

17440 kHz, 01-02, 1057 UTC, Serdolik v2	Russian diplo
14650 kHz, 01-02, 1104 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16103 kHz, 01-02, 1255 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja. Off at 1257z, back at 1258z
17468 kHz, 02-02, 1328 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare

14824 kHz, 03-02, 1030 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
12122 kHz, 06-02, 0753 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
12120 kHz, 06-02, 0759 UTC, MFSK-66	Russian diplo
14377 kHz, 06-02, 0832 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
12199 kHz, 06-02, 0929 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
11462 kHz, 07-02, 0855 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels
14358 kHz, 07-02, 0943 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
13399 kHz, 07-02, 0935 UTC, MFSK-66	Russian diplo
12164 kHz, 07-02, 1000 UTC, OFDM-45	Russian diplo
16197 kHz, 07-02, 0752 UTC, MFSK-66	Russian diplo
16989 kHz, 07-02, 0805 UTC, MFSK-6	MFA Moscow clg 125643: Russian embassy Ulaanbaatar
17421 kHz, 07-02, 0932 UTC, MFSK-6	MFA Moscow clg 24653: Russian embassy Accra
14952 kHz, 07-02, 0936 UTC, MFSK-66	Russian diplo
12149 kHz, 07-02, 0956 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
14358 kHz, 07-02, 1000 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
16188 kHz, 07-02, 1201 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
11483 kHz, 08-02, 0836 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
11561 kHz, 08-02, 0933 UTC, MFSK-6	MFA Moscow clg 263145: Russian embassy Prague
16153 kHz, 09-02, 0815 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
11525 kHz, 13-02, 0859 UTC, MFSK-66	Russian diplo
13423 kHz, 13-02, 0906 UTC, MFSK-6	MFA Moscow clg 421635: Russian embassy Oslo
16117 kHz, 13-02, 0934 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
20690 kHz, 13-02, 0828 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
10767 kHz, 14-02, 0800 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
16255 kHz, 14-02, 0810 UTC, MFSK-66	Russian diplo
16257 kHz, 14-02, 0817 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
16317 kHz, 14-02, 1010 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
14970 kHz, 14-02, 1012 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
16309 kHz, 14-02, 1045 UTC, MFSK-66	Russian diplo
14650 kHz, 15-02, 1100 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
14456 kHz, 15-02, 1232 UTC, MFSK-66	Russian diplo
18753 kHz, 15-02, 1233 UTC, MFSK-66	Russian diplo
18245 kHz, 15-02, 1228 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
14456 kHz, 15-02, 1232 UTC, MFSK-66	Russian diplo
17534 kHz, 16-02, 0821 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
18197 kHz, 16-02, 0951 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
18195 kHz, 16-02, 0955 UTC, MFSK-66	MFA Moscow message to Russian Consulate General Ho Chi Minh City
14829 kHz, 17-02, 0920 UTC, Serdolik v2	Russian diplo
16302 kHz, 17-02, 1019 UTC, Serdolik v2	Russian diplo
14824 kHz, 17-02, 1030 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
14377 kHz, 20-02, 0855 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 20-02, 0934 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
12122 kHz, 20-02, 0738 UTC, MFSK-66	Russian diplo
13452 kHz, 20-02, 0746 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
15989 kHz, 21-02, 0756 UTC, MFSK-6	MFA Moscow clg 125643: Russian embassy Ulanbatar
13411 kHz, 21-02, 0850 UTC, MFSK-6	MFA Moscow clg 165423: Russian embassy Brussels
12153 kHz, 21-02, 0858 UTC, MFSK-66	Russian diplo
13401 kHz, 21-02, 0927 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
14358 kHz, 21-02, 0936 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
15687 kHz, 21-02, 0947 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
13401 kHz, 21-02, 1006 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
17419 kHz, 21-02, 1134 UTC, Serdolik v2	Russian diplo
17454 kHz, 21-02, 1153 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
17419 kHz, 21-02, 1157 UTC, Serdolik v2	Russian diplo
13401 kHz, 21-02, 0921 UTC, MFSK-66	Russian diplo
17456 kHz, 22-02, 1038 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
17475 kHz, 27-02, 0841 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
10134 kHz, 27-02, 0901 UTC, MFSK-66	Russian diplo
10127 kHz, 27-02, 0907 UTC, MFSK-6	MFA Moscow clg 421635: Russian embassy Oslo
13423 kHz, 27-02, 0909 UTC, MFSK-66	Russian diplo
13517 kHz, 27-02, 0936 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
12177 kHz, 27-03, 1241 UTC, MFSK-6	MFA clg 364152: Russian embassy New Delhi
17466 kHz, 27-03, 0828 UTC, Serdolik v2	Russian diplo

12177 kHz, 27-03, 1241 UTC, MFSK-6  
16317 kHz, 28-03, 1012 UTC, MFSK-6

MFA Moscow clg 364152: Russian embassy New Delhi  
MFA Moscow clg 612534: Russian embassu Ashgabat

## CLANDESTINE / TARGETED RADIO & JAMMERS

### Target: North Korea

4450 kHz, 17-02, 1209 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 17-02, 1209 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 22-02, 1334 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 22-02, 1334 UTC, AM	North Korea jamming the Voice of the People
4450 kHz, 24-02, 1210 UTC, AM	Voice of the People program in Korean jammed by North Korea
4450 kHz, 24-02, 1210 UTC, AM	North Korea jamming the Voice of the People

### Russian-Ukrainian war:

7050 kHz, 17-02, 1700 UTC, LSB	Anti Russia / anti Putin broadcasts
7055 kHz, 17-02, 1700 UTC, LSB	Anti Russia / anti Putin broadcasts
7060 kHz, 17-02, 1700 UTC, LSB	Anti Russia / anti Putin broadcasts
10420 kHz, 21-02, 0657 UTC, USB	Russian National Anthem loop transmission
9310 kHz, 24-02, 0640 UTC, USB	Russian National Anthem loop transmission
7055 kHz, 24-02, 0648 UTC, LSB	Anti Russia / anti Putin loop transmission
7060 kHz, 24-02, 0648 UTC, LSB	Anti Russia / anti Putin loop transmission
10460 kHz, 24-02, 1722 UTC, USB	Anti Russia / anti Putin insults "russkaya svin'ya" etc.
10465 kHz, 24-02, 1755 UTC, USB	Anti Russia broadcast insulting Putin. Switches from 10460 to 10465 and back to 10460 kHz
10460 kHz, 24-02, 1755 UTC, USB	Russian station trying to jam the Ukrainian station. Switches to 10465 kHz
10465 kHz, 24-02, 1755 UTC, USB	Russian station trying to jam the Ukrainian station. Switches back to 10460 kHz, following the Ukrainian station
7055 kHz, 24-02, 1854 UTC, LSB	Anti Russia / anti Putin broadcast "russkaya svin'ya" etc.
9310 kHz, 25-02, 0552 UTC, USB	Russian National Anthem loop transmission
10455 kHz, 27-02, 1450 UTC, USB	Popular freq for Russian outbanders. Anti Russia / anti Putin broadcast "russkaya svin'ya", Slava Ukrayini, music, <b>waterfall text</b> etc. on top of the Russian stations
10460 kHz, 27-02, 1700 UTC, USB	Popular freq for Russian outbanders. Relay of propaganda broadcasts from Russian broadcasting stations



waterfall text

### Target: Turkey

7485 kHz, 17-02, 1722 UTC, AM	Radio Dengê Welat. Program in Kurdish. No Turkish jammer !!!
11580 kHz, 24-02, 1217 UTC, AM	Radio Dengê Welat. Program in Kurdish. No Turkish jammer !!!
11580 kHz, 27-02, 1153 UTC, AM	Radio Dengê Welat. Program in Kurdish. No Turkish jammer !!!

## UTILITY ROUND-UP

The Common and Precious beacon is back on the air. It was last reported in 2017. Heard on center frequency 4095.38 kHz, 03-02, 0630 UTC, CW + Baudot 50Bd/140Hz shift (170Hz according to the text). The message is sent in CW and RTTY. Thanks for the tip, Ciccio.

### 4095.38 kHz, 03-02, 0630 UTC, CW + Baudot 50Bd/140Hz shift

VVV VVV COMMON AND PRECIOUS BEACON 2ND GENERATION.

SOFTWARE 1.0 BETA.

CW AND RTTY 170Hz SHIFT 50 BAUD 2 STOP BITS.

50W RF. BASE LOADED 5M VERTICAL WITH CAPACITY HAT. 35M ABOVE GROUND.

LOCATED IN JO62. 24/7 OPERATION.

UBATT: GRID TEMPERATURE 1.6C

HUMIDITY 91.6 RH

## Unid station

The following unid station was logged by André. Further information is most welcome.

Heard in France on 11-02 at 1003 UTC on 28010 kHz, CW

5486 2547 7845 6589 3571 1593

5486 2547 7845 6589 3571 1593

5486 2547 7845 6589 3571 1593

5486 2547 7845 6589 3571 1593

End of transmission at 1016 UTC

Nothing heard on Web sdrs outside France.

Heard again on 14-02, 1003 UTC on 24908 kHz, CW

5486 3257 7845 3571 1593

Then at 1006-1010 UTC

RP77PNH RP77PNH QTC QTC

RP77PNH RP77PNH QTC QTC AS

RP77PNH RP77PNH QTC QTC AS

RP77PNH QTC XXX SNOWYM GODOM WAM PEM RéSKIJE TOLXO HKIJE ...

## North Korean Military (tentative)

**4780 kHz, 15-02, 1912 UTC, i.p.**

VVV 60A3M DE 63HWU HW QRU ...

6060 6060 SK SK 00

**2992.5 kHz, 20-02, 1949 UTC, i.p.**

VVV 2DVRO DE 3XM4T QSA ? K

VVV 2DVRO DE 3XM4T QSA ? K (Moved to 3002.2 kHz)

VVV 2DVRO DE 3XM4T QSA ? K (Move back from 3002.2 kHz)

**3002.2 kHz, 20-02, 1952 UTC**

VVV 2DVRO DE 3XM4T QSA ? K (Moved from 2992.5 kHz)

## EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
09-02	1500	Inevitable	30 chr EAM VKV32Q ORTOCK4QR666JG4NYYMG2PMX
09-02	1554	Inevitable	68 chr EAM VKFU3N XIZPM3IXDVRKJHZBKJEPBKJEBZRRQIOO4WLA-BYRRQZOZZCTOEYRRQ6O4C6HUG7
09-02	1756	Inevitable	30 chr EAM 24VXUT TEZGIHNUO3YLNXF4E2RDW4J2
09-02	1851	Inevitable	30 chr EAM 24WZJO LPNLPA6Y3YY72GQ5YJRLWEU
10-02	0327	Orangeade	30 chr EAM 24UUBV QEYDH4IFYX4WLAOFOKPOD3WH
10-02	0904	Orangeade	47 chr EAM VKYXXQ KIFIZI75YHWTJ73WTJQ3BYWW6YTWZCNEOL7LQILU2
10-02	1422	Orangeade	30 chr EAM for Zena-55 VKE6VD KSZ6DZUZ7OEWMLSLNA4JAOOX
10-02	1453	Orangeade	30 chr EAM 24T27N KJ5CLGAH2GECGVZAMCVZFQ43
10-02	1813	Orangeade	30 chr EAM for Burns-55 VKAQLP HBK5IZQK77KXMNH7WYPH4IEY
10-02	1842	Orangeade	30 chr EAM 246J66 DNBS3PVPV3QAAS74DXBFH5UD
10-02	2059	Orangeade	47 chr EAM VKEVBW R4GPE2MUTHDIIDLQIIQL6T3DUTYDKSBFDZAFYXS7
10-02	2105	Orangeade	30 chr EAM 24OXWH RS6STHGVRLP4LMABDKUPL3RV
10-02	2118	Orangeade	30 chr EAM 24LDV6 SQFVEHLRX24P3BDGFSS7ZIX4
10-02	2130	Orangeade	30 chr EAM 24OXWH RS6STHGVRLP4LMABDKUPL3RV
10-02	2204	Orangeade	30 chr EAM 24WPOI PDG4PPTWA7GCF5KMJLVPSPG4N
10-02	2206	Orangeade	30 chr EAM 24OXWH RS6STHGVRLP4LMABDKUPL3RV



10-02	2344	Orangeade	172 chr EAM ETRJD4 RXBYUSRY4CK6LASPVSYTEQ2OGG6PE72XL7DJJJIIYQUI4QEWRQGYDKVK WZZZZ3EDEWG2VYFFMTHTXP2HHHH4TQZIIYHKAJGA6A4U4HHHHZ7Y2NNPIW2E4TNRVNQ2 6VMRGWCNXXSGWITE YVZW57GI5WGYEUBAQT3XIYZJBYW
11-02	0004	Rustproof	172 chr EAM ETRJD4 RXBYUSRY4CK6LASPVSYTEQ2OGG6PE72XL7DJJJIIYQUI4QEWRQGYDKVK WZZZZ3EDEWG2VYFFMTHTXP2HHHH4TQZIIYHKAJGA6A4U4HHHHZ7Y2NNPIW2E4TNRVNQ2 6VMRGWCNXXSGWITEYVZW57GI5WGYEUBAQT3XIYZJBYW
11-02	0249	Rustproof	30 chr EAM 24H4QK B2GORLFTD7BTRF66VT6GMWHU
11-02	0332	Rustproof	30 chr EAM 24GOLG CITVK6DC4UKZRO56LTE76G3B
15-02	1522	Hockshop	30 chr EAM 24XEK4 DKDBKAUXI7ULGDKASPR4XXNQ
15-02	1538	Hockshop	30 chr EAM 24RP5L HX6P2DCOKV6DJNIVOYH6BKCR
15-02	1600	Hockshop	30 chr EAM 24RP5L HX6P2DCOKV6DJNIVOYH6BKCR
15-02	1602	Hockshop	30 chr EAM 24XEK4 DKDBKAUXI7ULGDKASPR4XXNQ
15-02	1607	Hockshop	30 chr EAM 24W2XT XCOTUDRK3DZQ7L62BNEJFNPK
15-02	1609	Hockshop	30 chr EAM 24ZN6E BHN6I5UR6SJZNCHWEYK4PS7
15-02	1717	Hockshop	30 chr EAM for Rima-85 4DHE3F UVYBNZXZEPEYUCAHBVZPJFRR
15-02	1748	Hockshop	30 chr EAM 244KIF N4ZGHVPH632KH6C5YLNOPCST
15-02	1752	Hockshop	30 chr EAM 24FFS4 24KQBTW2DDQNTFN7SJUTVJD4
15-02	1823	Hockshop	34 chr EAM 4DS2WB PCZ5DACMOKWLWJFEB5RDHMACEFEU
15-02	2151	Hockshop	30 chr EAM 24CHOU 6YITR4DISHYF5PAUUSUX72TO
15-02	2203	Hockshop	47 chr EAM 4DZU2U JJI6PJFMJF3SXBHRSXB46J2KDZEUXXB6QBIUMIZI
16-02	0249	Test Hop	30 chr EAM 24ROIF WNXYRO7DEKH4XHJ6VZJCOAGI
16-02	0742	Test Hop	30 chr EAM 24DPJB YLMQLYYGUJLUKYOTC7JY7NWP
16-02	0744	Test Hop	30 chr EAM 24B5WQ VLKRAF7ETONX36QUU3RIC7N3
16-02	0747	Test Hop	30 chr EAM 24LMNG XRRCGIINSVN2FMHJ4LS6XTAQ
16-02	0819	Test Hop	30 chr EAM FHK3RF VYGBCMHXHAQU5GVOXXLB7RQM
16-02	1547	Test Hop	27 chr EAM 7GIHSL ZLVDBMWYDFUH37PVG7TI
16-02	1555	Test Hop	32 chr EAM 7GCTK3 HLZ4MAHUICHIDEZ7JSLT2COIVUB
16-02	1602	Test Hop	36 chr EAM 7G2SAC ICSWJU667ZUCHAAZTLC733DLAGLZ6
16-02	1716	Test Hop	27 chr EAM 7GC6AV JWZ77OT6V4XLP1OE27AF
16-02	1800	Test Hop	27 chr EAM 7GC6AV JWZ77OT6V4XLP1OE27AF
16-02	1825	Test Hop	30 chr EAM FHNKH6 7OA3G7R2SP4F5D4ELCDQIJHC
16-02	1830	Test Hop	30 chr EAM FHC3L5 STU6NHZDEUSV3YEYMIJMX3KO
16-02	1848	Test Hop	30 chr EAM FHF7BN SGGT4EXAZACCPW6JOGQJPGXW
16-02	1900	Test Hop	30 chr EAM FHF7BN SGGT4EXAZACCPW6JOGQJPGXW
16-02	1902	Test Hop	30 chr EAM FHC3L5 STU6NHZDEUSV3YEYMIJMX3KO
16-02	1904	Test Hop	30 chr EAM FHNKH6 7OA3G7R2SP4F5D4ELCDQIJHC
16-02	1927	Test Hop	30 chr EAM for Kelsey 4DMZ6N QDZLNCNQAZNXGD62PVFIEK5A
16-02	1941	Test Hop	30 chr EAM FHSRCR C5XB73GXD4CAKM4FPUCO5EN7
16-02	2231	Test Hop	30 chr EAM FHS7V2 4YCUDDICJDRZHS7AS6FQUHN
17-02	1924	Snowplow	30 chr EAM FH4FKE SSV43AF3Z26BS7B3YEQA54OC
18-02	0410	Railman	30 chr EAM FH3HGV AYGIVWRMFQQABVCU6GQFKXYA
18-02	0712	Railman	30 chr EAM 4DBHNN LRB66RUEWAL2QDOZQTQA2GB3
18-02	0725	Railman	30 chr EAM FHJGTC 4R6ITZITJWVRVAM4YGCIKAFP
18-02	0728	Railman	30 chr EAM FHEDAF 6PWOCEJK6QG6CQIGHNOBYHZU
18-02	0741	Railman	30 chr EAM FHSIWR 4BROQGZ7OCFC3BOLHULHJVQ7
18-02	1754	Railman	30 chr EAM FHBIRX F7HU3RY6JSNXV4LG6O6NQEWB
18-02	1904	Railman	30 chr EAM for Typo-4 4D7X6A QZWBIUVCNTY4LMYUYHXPCE6R
18-02	1934	Railman	30 chr EAM FH2IQG L2DYKCE2V64FEXSPQFM6THUW
18-02	2018	Railman	30 chr EAM FHM3O2 U4GFKBN4KUVCCV6LFXRLNSUY
18-02	2101	Railman	30 chr EAM FHM3O2 U4GFKBN4KUVCCV6LFXRLNSUY
18-02	2130	Railman	30 chr EAM FHM3O2 U4GFKBN4KUVCCV6LFXRLNSUY
18-02	2200	Railman	30 chr EAM FHM3O2 U4GFKBN4KUVCCV6LFXRLNSUY
18-02	2210	Railman	30 chr EAM FHK87L 7MNFKU77ZBFXBOM2RC7BZJE
18-02	2230	Railman	30 chr EAM FHK87L 7MNFKU77ZBFXBOM2RC7BZJE
18-02	2232	Railman	30 chr EAM FHM3O2 U4GFKBN4KUVCCV6LFXRLNSUY
19-02	0249	Railman	30 chr EAM FHUV4N EVK6CKYQRWYMQGODUZ3QA6LI
19-02	0255	Wood Duck	30 chr EAM FHUV4N EVK6CKYQRWYMQGODUZ3QA6LI
19-02	1732	Wood Duck	30 chr EAM FHXYPA GI7C4BLDDUGXLWNJSYHC6P4R
20-02	1646	Belt Fan	30 chr EAM for Luke-16 4DQGE0 UBUUBG4MA26IGITPN6XCK37N
21-02	0558	Valhalla	30 chr EAM FHDDTA DHYYOWCTL6TC7M2N3S2JQVCX
21-02	0602	Valhalla	30 chr EAM FH4YGX 5ZSSAJQYKCLW4AFCIDQSB7KJ
21-02	1933	Valhalla	30 chr EAM FH5CYJ HYE3CSJJZPOXC7UOSR6Q3P4K

21-02	2111	Valhalla	30 chr EAM 4DBIUL OIYRQODZR6HJXESN4NJ2Q2IS
22-02	0503	Keylock	30 chr EAM FHFMDQ SZUEVTDNFNNIOZBDQYFZH7Z3Q
22-02	0530	Keylock	30 chr EAM FHG3BF YG6STDQIAY5GV5S463PQUYG7
22-02	0533	Keylock	30 chr EAM FHFMDQ SZUEVTDNFNNIOZBDQYFZH7Z3Q
22-02	0544	Keylock	30 chr EAM FH2BUN BBBAWHSZ3YFWJQFOE5EQK2GF
22-02	0547	Keylock	30 chr EAM FHEV7Q HZZ3CYK4DK2UK6UPLIHLVNE2
22-02	0602	Keylock	30 chr EAM FHEV7Q HZZ3CYK4DK2UK6UPLIHLVNE2
22-02	0605	Keylock	30 chr EAM FHX6HW 7IRON7WV3H32D7PVR6MELZFA
22-02	0625	Keylock	51 chr EAM 4DMEJG ZEWWXZLLVZVOMBM4OMBKSNEUC7UMTYCGSNE4C7HB7LJOK
22-02	0840	Keylock	142 chr EAM ET72XG ZJCHX2AYBPG47CHWKHNRCWYIXXAHJSPXYDHHHH47PTZILG7YZKY2US ULZZZSDJQNMX7EIDTCFCYCG2TTTTZNHNQNMOMYREC34647G7EEEEWGS3WWK7TUNI4JPOJ4O7 OOLYGB3Y3XB
22-02	0914	Keylock	68 chr EAM ETZXWF SAAR6CQLBQWV4AD3PTYXNVZHW2POEGWFUWKCF34QFDOOX4NJBUE FJIBIB3UVI
22-02	1116	Keylock	34 chr EAM 4DDHY2 U575IVWFPRBENVGXBH6UKTZARNOY
22-02	1120	Keylock	34 chr EAM 4DDHY2 U575IVWFPRBENVGXBH6UKTZARNOY
22-02	1334	Keylock	47 chr EAM 4DEQ35 BSV7AXIBPZVLLB2NLL22XP6VZPHVQY5LB3YV2FTAG
22-02	1547	Keylock	30 chr EAM for Tutra 4D6BKE BXCVPV7GWIINZU554SD3GXFX
22-02	1556	Keylock	30 chr EAM for Tutra 4D7PPA WEYCETC4X56VMHU63KEDIWBF
22-02	1559	Keylock	30 chr EAM for Tutra 4D7PPA WEYCETC4X56VMHU63KEDIWBF
22-02	1616	Keylock	30 chr EAM for Tutra 4D2BZ2RXB6Q2EKF5MV7G35WXJOPLY
22-02	1705	Keylock	34 chr EAM 4D2E2P 73D4K4ABZ3GQL3OFC2KOGDGJSDXE
22-02	2043	Keylock	30 chr EAM FH73AK 22SIYWDURQFQVFLRRH6MK4Z7
23-02	1558	Mill Pond	30 chr EAM 4DXJKK W6FM5A4OQ5JKMJ6RGWQQ2JBL
23-02	1622	Mill Pond	30 chr EAM FHW2X4 PTFXPKYB4GXB4REIYU7W3CGF
23-02	1630	Mill Pond	30 chr EAM FHYBH7 N7CVCZCCO5WG6ERZ6LPFZR6A
23-02	1643	Mill Pond	30 chr EAM 4D5FBZ JUJVVWJY6RCS2QLS64MKWLR55
23-02	1700	Mill Pond	30 chr EAM FHE3H5 WCFUNNXTM5BKS5EVOWX5NRJL
23-02	2004	Mill Pond	30 chr EAM for Funny 4DYHAU LJ73GRXQAR5PNGGKRE32JZ5Y
23-02	2117	Mill Pond	30 chr EAM FHPXIA OT2EWSNNZ77JXDUSLWKDH7Z5
23-02	2140	Abruptly	30 chr EAM FHPXIA OT2EWSNNZ77JXDUSLWKDH7Z5
23-02	2210	Abruptly	30 chr EAM FHPXIA OT2EWSNNZ77JXDUSLWKDH7Z5
23-02	2240	Abruptly	30 chr EAM FHPXIA OT2EWSNNZ77JXDUSLWKDH7Z5
23-02	2244	Mill Pond	30 chr EAM FHE2VZ EIYVSFLLLEGYYJZR5PCLNBF7
23-02	2310	Abruptly	30 chr EAM FHPXIA OT2EWSNNZ77JXDUSLWKDH7Z5
23-02	2320	Mill Pond	30 chr EAM FHZM7F 4FTPTHCRYQYKTEKXX4ZUX3N4
23-02	2330	Mill Pond	30 chr EAM FHZM7F 4FTPTHCRYQYKTEKXX4ZUX3N4
24-02	0154	Walk-over	30 chr EAM 4DP7PG TLQW3RCAGIMK7NCJ2RO2SV6P
24-02	0200	Walk-over	30 chr EAM FHVOD2 72LL7F66RKEVANT3I5XQZYEU
24-02	0212	Walk-over	30 chr EAM FHKJVO LWQ3PYPWMKNFJ5SAZF4NWHPD
24-02	0635	Walk-over	30 chr EAM FHQWAT GZZTTS5UDRANQ62PPZK2KYEQ
24-02	0641	Walk-over	30 chr EAM FHNHKE 3VE55AUQRLG4CTFYB7TOIHDF
24-02	0700	Walk-over	30 chr EAM FHNHKE 3VE55AUQRLG4CTFYB7TOIHDF
24-02	0702	Walk-over	30 chr EAM FHQWAT GZZTTS5UDRANQ62PPZK2KYEQ
24-02	1648	Walk-over	30 chr EAM for Monk 4DUYGZ UXYQZJH6Y3HGKCN7DHYY72G
24-02	1742	Walk-over	30 chr EAM FHT4Y7 2WHQDQYSRJIJB43CLGDGP2IM
24-02	2010	Walk-over	30 chr EAM FHAZBA R5R532Y2V3QY3MOCBC4YVKHE
24-02	2013	Walk-over	30 chr EAM FHX765 LGV5PCX5W2RF6ECVOSBPF26U
24-02	2015	Walk-over	30 chr EAM FHX765 LGV5PCX5W2RF6ECVOSBPF26U
24-02	2025	Walk-over	30 chr EAM FH4ILC 4S7XXEBZRVXARQCEG7NKF4EI
24-02	2030	Walk-over	30 chr EAM FHX765 LGV5PCX5W2RF6ECVOSBPF26U
24-02	2032	Walk-over	30 chr EAM FHAZBA R5R532Y2V3QY3MOCBC4YVKHE
24-02	2034	Walk-over	30 chr EAM FH4ILC 4S7XXEBZRVXARQCEG7NKF4EI
24-02	2100	Walk-over	30 chr EAM FHX765 LGV5PCX5W2RF6ECVOSBPF26U
24-02	2102	Walk-over	30 chr EAM FHAZBA R5R532Y2V3QY3MOCBC4YVKHE
24-02	2104	Walk-over	30 chr EAM FH4ILC 4S7XXEBZRVXARQCEG7NKF4EI
24-02	2111	Walk-over	30 chr EAM FHXMNMB NEU2SM4UDORU6FUVVJ64HRAL
24-02	2114	Walk-over	30 chr EAM FHBSED 2XTVP17B4ISHEW7PEUDZRKGV
24-02	2120	Walk-over	30 chr EAM FH5U4N GTSFMSAFXFE6F54N6XJWQX7B
24-02	2123	Walk-over	30 chr EAM FHSN7H HAGCG2GKXIJHPUDQ6WGGA2EK
24-02	2223	Walk-over	54 chr EAM 3Q5QC3 7G342ABFOSU3BYBOSZ3PZDIF42Y7FZWZXXCTTTTLMNIJPA2M
24-02	2320	Walk-over	30 chr EAM FHLYIE OQJDTRW6KBTYHVZ76UBNIR2P

25-02	0024	Rhythmic	38 chr EAM 4DXCZX RD7HFWE4ACFQ7EQCEFYOMAFMM6GISUQW
25-02	0104	Rhythmic	30 chr EAM FHRXN5 NUW6SPVZR47EOZY3OBOVBWJF
25-02	0110	Rhythmic	30 chr EAM FHC6QY KTCA5NFDJGC7DH4OXR2EHGY
25-02	0126	Rhythmic	30 chr EAM 4DV6V3 LE35JPY2UVHTFQOE77KSFOUX
25-02	0129	Rhythmic	30 chr EAM FHIAIW REUYDEEQN43H4B3W56SLTEAQ
25-02	0140	Rhythmic	30 chr EAM FHTJLH FLUSMBIVD6PT57X2KXPKDVM2
25-02	0614	Rhythmic	30 chr EAM FHTVAC TE7VF42WQDPDMRB7OHO327UB
25-02	0618	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	0630	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	0635	Rhythmic	30 chr EAM FHBP3G K47JDKJ6EQT2ZXLZDDVFPDAX
25-02	0638	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	0641	Rhythmic	30 chr EAM FHIULI TTNPIJQ7ZKTN4QUBW4R2JZHS
25-02	0646	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	0650	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	0652	Rhythmic	30 chr EAM FHTVAC TE7VF42WQDPDMRB7OHO327UB
25-02	0700	Rhythmic	30 chr EAM FHIULI TTNPIJQ7ZKTN4QUBW4R2JZHS
25-02	0703	Rhythmic	30 chr EAM FHBP3G K47JDKJ6EQT2ZXLZDDVFPDAX
25-02	0705	Rhythmic	30 chr EAM FHA4JN UCHFZ3I7XMXJY2WPW4UYIH6G
25-02	1814	Rhythmic	30 chr EAM for Emmet-46 4DUMDV BROKGMHVOFNSCMXJE3OIYNSD
25-02	1842	Rhythmic	30 chr EAM FH4BER 6OOZG64P7IYT5DB7AAOMTJAK
25-02	1917	Rhythmic	30 chr EAM for Mavis-46 4DR25I V4PB4XWXWR4WQ5RAPOZ54STJ
25-02	1938	Rhythmic	34 chr EAM 4DPN3V WRWDCZM6SLJEKUPRYKCZCH4D3CZJ
25-02	1949	Rhythmic	30 chr EAM FHAIAF HVTTHQD5G3BZ4JAZKYTMA6JB
25-02	2039	Detected	30 chr EAM FHAIAF HVTTHQD5G3BZ4JAZKYTMA6JB
25-02	2103	Rhythmic	30 chr EAM FH32IR UILAJCDL444I7V4DIZM4G2HJ
25-02	2336	Rhythmic	34 chr EAM 4DCHCM UXHCF3VURLC6FDCIR2BV7AMNBPLO
26-02	0630	Overgrown	30 chr EAM FHM6TR E57LEFQUVOCTG4CQBE5AIZV
26-02	1633	Overgrown	30 chr EAM FHYCAV Z36ZT4FQPO5UCIW7574XBWKE
26-02	1728	Overgrown	246 chr EAM 3Q5EBX SBSC5LBDEVB2STRTVREGCS6M6YYLCN4ZV4NZZZZF4ENZWX6CTH7CECR ATCCCCYTNC7HITLELFQIQNFF44446F6GJ2FJB2WY27627U2222PL6GWKNQEQZ2LLUBLYZLXXS P XD7CERSNT2FFFFNWCATTR7H7TVVEVL5GGGG4H7JVYWE6E2TLLD777LLLLN4IXELQHOBHI7 42B2KGGGGIF3ZIIPIIP3VF4UVBDJJJJ2W3B3YQ4Y
26-02	1839	Overgrown	30 chr EAM FHYGZI OIUOWVMMSGKM745A7VDVJRTCA
26-02	2105	Overgrown	30 chr EAM FHZP3A 4T43WNB2VRQSZPZHED5JEKT
26-02	2137	Overgrown	30 chr EAM FHWNXR L3KE3FW6HZCI3LGK2CWITAQZ
27-02	0534	Walk-over	30 chr EAM FHU3LR ZPKEECWREYFEEVQCEUUQTAV6
27-02	0602	Walk-over	30 chr EAM FHU3LR ZPKEECWREYFEEVQCEUUQTAV6
27-02	0630	Walk-over	30 chr EAM FHU3LR ZPKEECWREYFEEVQCEUUQTAV6
27-02	0638	Walk-over	30 chr EAM FHXEHR EEJA77RU3NHRSWPFUJ3XFGDM
27-02	0641	Walk-over	30 chr EAM FHBA47 F3YQODMTBHFANM7HLUHWZA7L
27-02	0653	Walk-over	30 chr EAM FHMAF7 45NO24LIC2IB4HIS3IQ2E3RO
27-02	0700	Walk-over	30 chr EAM FHMAF7 45NO24LIC2IB4HIS3IQ2E3RO
27-02	0703	Walk-over	30 chr EAM FHS2CC KC3SGO4R22MMBS5F4ESU2XBJ
27-02	0705	Walk-over	30 chr EAM FHWFIP QFAZGDRLCJPRHC6CTKS3Q7FY
27-02	1738	Walk-over	30 chr EAM for Fume 4DQM27 VDUQWYLBUIRJ3N2MUMDUZER4

## RUSSIAN MILITARY TRANSCRIPTS

### Morse transmissions

Russian Military morse traffic

5404 kHz, 20-02, 2017 UTC, CW  
17460 kHz, 21-02, 1135 UTC, FSK CW  
17460 kHz, 21-02, 1350 UTC, FSK CW  
17460 kHz, 21-02, 1426 UTC, FSK CW  
17460 kHz, 21-02, 1439 UTC, FSK CW  
17460 kHz, 21-02, 1440 UTC, FSK CW  
17460 kHz, 21-02, 1440 UTC, FSK CW

UUUUU RDL RDL RDL 62104 00121 62104 00121 62104 00121 K  
UUUUU RDL RDL RDL 26267 94469 26267 94469 26267 94469 K  
UUUUU RDL RDL RDL 42721 18681 42721 18681 42721 18681 K  
UUUUU RDL RDL RDL 62502 85456 62502 85456 62502 85456 K  
UUUUU RDL RDL RDL 15215 73514 15215 73514 15215 73514 K  
UUUUU RDL RDL RDL 33811 32864 33811 32864 33811 32864 K  
UUUUU RDL RDL RDL 45451 58012 45451 58012 45451 58012 K

17460 kHz, 21-02, 1517 UTC, FSK CW	UUUUU RDL RDL RDL 27196 79554 27196 79554 27196 79554 K
17460 kHz, 21-02, 1617 UTC, FSK CW	UUUUU RDL RDL RDL 22712 83129 22712 83129 22712 83129 K
17460 kHz, 21-02, 1628 UTC, FSK CW	UUUUU RDL RDL RDL 72666 68881 72666 68881 72666 68881 K

## Data transmissions

### Russian tactical data link

7240 kHz, 04-02, 0626 UTC, Akkord 1200Bd/800Hz  
7250 kHz, 04-02, 0626 UTC, Akkord 1200Bd/800Hz  
7240 kHz, 06-02, 0652 UTC, Akkord 1200Bd/800Hz  
7250 kHz, 06-02, 0652 UTC, Akkord 1200Bd/800Hz  
7240 kHz, 09-02, 0500 UTC, Akkord 1200Bd/800Hz  
7250 kHz, 09-02, 0500 UTC, Akkord 1200Bd/800Hz  
7240 kHz, 10-02, 1655 UTC, Akkord 1200Bd/800Hz  
7250 kHz, 10-02, 1655 UTC, Akkord 1200Bd/800Hz  
7240 kHz, 11-02, 0720 UTC, Akkord 1200Bd/800Hz  
7250 kHz, 11-02, 0720 UTC, Akkord 1200Bd/800Hz  
7260 kHz, 13-02, 0636 UTC, Akkord 1200Bd/800Hz  
7140 kHz, 13-02, 0636 UTC, Akkord 1200Bd/800Hz  
7260 kHz, 18-02, 0600 UTC, Akkord 1200Bd/800Hz  
7260 kHz, 21-02, 0624 UTC, Akkord 1200Bd/800Hz  
7260 kHz, 22-02, 2018 UTC, Akkord 1200Bd/800Hz  
7260 kHz, 25-02, 0713 UTC, Akkord 1200Bd/800Hz

### T600 messages

#### 6786 kHz, 17-02, 1725 UTC, T600. VERY short message

Session Key: 2A 16 07 61 38 1C 1C 2A 34 51 0B 0B 25 62 0E 19 1A 26 19 4C 13 54 64 0E 32 0E  
64 <EOM><EOM><EOM>

#### 6786 kHz, 17-02, 1748 UTC, T600

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

#### 6786 kHz, 17-02, 1750 UTC, T600

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

#### 6786 kHz, 17-02, 1750 UTC, T600

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



## LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	4-2	0626	7240	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	4-2	0626	7250	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	6-2	0652	7240	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	6-2	0652	7250	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	9-2	0500	7240	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	9-2	0500	7250	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-2	1655	7240	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-2	1655	7250	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-2	0720	7240	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-2	0720	7250	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-2	0636	7140	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	13-2	0636	7260	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	17-2	1700	7050	Fri	Anti Russia, anti Putin broadcasts	LSB	(AB)
---	17-2	1700	7055	Fri	Anti Russia, anti Putin broadcasts	LSB	(AB)
---	17-2	1700	7060	Fri	Anti Russia, anti Putin broadcasts	LSB	(AB)
---	18-2	0600	7260	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	21-2	0624	7260	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	21-2	0657	10420	Tue	Russian National Anthem loop transmission	USB	(AB)
---	22-2	2018	7260	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	24-2	0640	9310	Fri	Russian National Anthem loop transmission	USB	(AB)
---	24-2	0648	7055	Fri	Anti Russia / anti Putin loop transmission	LSB	(AB)
---	24-2	0648	7060	Fri	Anti Russia /anti Putin loop transmission	LSB	(AB)
---	24-2	1722	10460	Fri	Anti Russia / anti Putin broadcast "russkaya svin'ya" etc	USB	(AB)
---	24-2	1755	10460	Fri	Russian station trying to jam the Ukrainian station. Switches to 10465 kHz	USB	(AB)
---	24-2	1755	10465	Fri	Anti Russia / anti Putin broadcast "russkaya svin'ya" etc. Switches from 10460 to 10465 and back to 10460 kHz	USB	(AB)
---	24-2	1755	10465	Fri	Russian station trying to jam the Ukrainian station. Switches back to 10460 kHz, following the Ukrainian station	USB	(AB)
---	24-2	1854	7055	Fri	Anti Russia / anti Putin broadcast "russkaya svin'ya" etc.	LSB	(AB)
---	25-2	0552	9310	Sat	Russian National Anthem loop transmission	USB	(AB)
---	25-2	0713	7260	Sat	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	27-2	1450	10455	Mon	Anti Russia / anti Putin broadcast "russkaya svin'ya", Slava Ukrayĭni, music, waterfall text etc.	USB	(AB)
---	27-2	1700	10460	Mon	Popular freq for Russian pirate stations. Now they relayed propaganda broadcasts from Russian broadcasting stations	USB	(AB)
BUL	1-2	1325	17440	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	1-2	1359	17442	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	3-2	1327	17440	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)

BUL	3-2	1356	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	6-2	1144	17440	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	6-2	1328	17440	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	7-2	1331	17440	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	7-2	1358	17442	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	8-2	1325	17440	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	8-2	1358	17442	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	9-2	1330	17440	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	9-2	1400	17442	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	10-2	1326	17440	Fri	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	10-2	1326	17464	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	10-2	1359	17442	Fri	MFA Sofia wkg unid embassy. QSX 17461 kHz	RFSM	(AB)
BUL	10-2	1359	17461	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz	RFSM	(AB)
BUL	13-2	1325	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	13-2	1358	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	14-2	0705	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	14-2	1335	17442	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	15-2	1325	17440	Wed	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	15-2	1325	17464	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	15-2	1458	17442	Wed	MFA Sofia wkg unid embassy. QSX 17461 kHz	RFSM	(AB)
BUL	15-2	1458	17461	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz	RFSM	(AB)
BUL	16-2	1327	17440	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	16-2	1358	17442	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	17-2	1243	17442	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	17-2	1327	17440	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	20-2	1329	17440	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	20-2	1357	17442	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	21-2	1330	17440	Tue	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	21-2	1330	17464	Tue	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	21-2	1400	17442	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	22-2	1325	17440	Wed	MFA Sofia wkg unid embassy. QSX 17464 kHz	RFSM	(AB)
BUL	22-2	1325	17464	Wed	Unid Bulgarian embassy wkg MFA Sofia. QSX 17440 kHz	RFSM	(AB)
BUL	22-2	1355	17442	Wed	MFA Sofia wkg unid embassy. QSX 17461 kHz	RFSM	(AB)
BUL	23-2	1325	17440	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	23-2	1347	17442	Thu	MFA Sofia wkg unid embassy. QSX 17461 kHz	RFSM	(AB)
BUL	23-2	1347	17461	Thu	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz	RFSM	(AB)
BUL	24-2	1327	17440	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	24-2	1359	17442	Fri	MFA Sofia wkg unid embassy. QSX 17461 kHz	RFSM	(AB)
BUL	24-2	1359	17461	Fri	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz	RFSM	(AB)
BUL	27-2	1327	17440	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	27-2	1358	17442	Mon	MFA Sofia wkg unid embassy/ QSX 17442 kHz	RFSM	(AB)
BUL	27-2	1358	17461	Mon	Unid Bulgarian embassy wkg MFA Sofia. QSX 17442 kHz	RFSM	(AB)

<b>BUL</b>	28-2	1400	17442	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
<b>DPRK</b>	1-2	1200	11045	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	2-2	1325	16252	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	3-2	1340	16255	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0458	12203	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB-J)
<b>DPRK</b>	15-2	0640	13200	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0640	19100	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0700	14520	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0732	16250	Wed	North Korean diplo. QSX 16257 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0732	16257	Wed	North Korean diplo. QSX 16250 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0810	14300	Wed	North Korean diplo. QSX 14600 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0810	14600	Wed	North Korean diplo. QSX 14300 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0844	16450	Wed	North Korean diplo. QSX 16870 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	0844	16870	Wed	North Korean diplo. QSX 16450 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	1230	16255	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	1231	14600	Wed	North Korean diplo. QSX 14800 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	1231	14800	Wed	North Korean diplo. QSX 14600 kHz	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	15-2	1245	19100	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	16-2	0805	20100	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	16-2	0915	16675	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	22-2	0457	12203	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB-J)
<b>DPRK</b>	22-2	0457	12208	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB-J)
<b>E06</b>	2-2	0300	15683	Thu	361 975 42 18861 48795 72142 ... 90061 96973 52894 975 42 00000	USB	(PY/HFD)
<b>E06</b>	2-2	0400	13373	Thu	361 975 42 18861 48795 72142 ... 90061 96973 52894 975 42 00000	USB	(PY/HFD)
<b>E06</b>	2-2	0600	17470	Thu	702 436 58 71337 23473 24657 ... 65980 17334 12906 436 58 00000	USB	(HFD)
<b>E06</b>	2-2	0700	20085	Thu	702 436 58 71337 23473 24657 ... 65980 17334 12906 436 58 00000	USB	(AB-CYP/HFD)
<b>E06</b>	3-2	0300	15683	Fri	361 975 42 18861 48795 72142 ... 90061 96973 52894 975 42 00000	USB	(PY)
<b>E06</b>	3-2	0400	13373	Fri	361 975 42 18861 48795 72142 ... 90061 96973 52894 975 42 00000	USB	(PY)
<b>E06</b>	3-2	0600	17470	Fri	702 436 58 71337 23473 24657 ... 65980 17334 12906 436 58 00000	USB	(AB-RUS)
<b>E06</b>	3-2	0700	20085	Fri	702 436 58 71337 23473 24657 ... 65980 17334 12906 436 58 00000	USB	(AB-CYP)
<b>E06</b>	4-2	1300	8116	Sat	480 625 41 27894 00991 22483 ... 34365 62450 30569 625 41 00000	USB	(AB/MPJ-AUT/HFD)
<b>E06</b>	4-2	1330	5410	Sat	480 625 41 27894 00991 22483 ... 34365 62450 30569 625 41 00000	USB	(AB-D/MPJ-AUT/HFD)
<b>E06</b>	5-2	0930	10423	Sun	480 625 41 27894 00991 22483 ... 34365 62450 30569 625 41 00000	USB	(AB/HFD)
<b>E06</b>	5-2	1000	8167	Sun	480 625 41 27894 00991 22483 ... 34365 62450 30569 625 41 00000	USB	(AB-RUS/HFD)
<b>E06</b>	5-2	1234	11073	Sun	352 (R4m) 186 50 00971 14195 36942 ... 46945 54587 13345 186 50 00000	USB	(Subilo/PY)
<b>E06</b>	6-2	0210	10628	Mon	537 186 47 23735 60428 70470 ... 16053 16655 74496 186 47 00000	USB	(PY/HFD-J)
<b>E06</b>	6-2	0310	14364	Mon	537 186 47 23735 60428 70470 ... 16053 16655 74496 186 47 00000	USB	(PY/HFD-J)
<b>E06</b>	7-2	0310	14364	Tue	537 186 47 23735 60428 70470 ... 16053 16655 74496 186 47 00000	USB	(PY)
<b>E06</b>	10-2	1800	9463	Fri	801 432 57 32966 00635 43040 ... 79208 36468 38706 432 57 00000	USB	(FD/PY)
<b>E06</b>	11-2	1300	8116	Sat	480 675 41 77479 03752 62892 ... 01994 73310 61447 675 41 00000	USB	(AB-RUS/MPJ-FIN)

E06	11-2	1330	5410	Sat	480 675 41 77479 03752 62892 ... 01994 73310 61447 675 41 00000	USB	(AB-BLR/MPJ-FIN)
E06	12-2	0930	10423	Sun	480 675 41 77479 03752 62892 ... 01994 73310 61447 675 41 00000	USB	(AB-FIN)
E06	12-2	1000	8167	Sun	480 675 41 77479 03752 62892 ... 01994 73310 61447 675 41 00000	USB	(AB-RUS)
E06	13-2	0210	10628	Mon	537 290 48 68614 13895 43395 ... 32798 84652 95709 290 48 00000	USB	(PY)
E06	13-2	0310	14364	Mon	537 290 48 68614 13895 43395 ... 32798 84652 95709 290 48 00000	USB	(PY)
E06	14-2	0210	10628	Tue	537 290 48 68614 13895 43395 ... 32798 84652 95709 290 48 00000	USB	(PY)
E06	14-2	0310	14364	Tue	537 290 48 68614 13895 43395 ... 32798 84652 95709 290 48 00000	USB	(PY)
E06	16-2	0300	15683	Thu	361 208 44 63026 29273 21381 ... 46808 38957 40023 208 44 00000	USB	(PY)
E06	16-2	0400	13373	Thu	361 208 44 63026 29273 21381 ... 46808 38957 40023 208 44 00000	USB	(PY)
E06	16-2	0600	17470	Thu	702 698 53 56095 17187 68206 ... 74130 84023 04204 698 53 00000	USB	(AB-KWT)
E06	16-2	0700	20085	Thu	702 698 53 56095 17187 68206 ... 74130 84023 04204 698 53 00000	USB	(AB)
E06	17-2	0300	15683	Fri	361 208 44 63026 29273 21381 ... 46808 38957 40023 208 44 00000	USB	(PY)
E06	17-2	0400	13373	Fri	361 208 44 63026 29273 21381 ... 46808 38957 40023 208 44 00000	USB	(PY)
E06	17-2	0600	17475	Fri	702 698 53 56095 17187 68206 ... 74130 84023 04204 698 53 00000	USB	(AB)
E06	17-2	0700	20085	Fri	702 698 53 56095 17187 68206 ... 74130 84023 04204 698 53 00000	USB	(AB)
E06	18-2	1300	8116	Sat	480 165 44 64950 21574 35374 1... 47109 34818 96901 165 44 00000	USB	(AB-FIN/MPJ-HNG)
E06	18-2	1330	5410	Sat	480 165 44 64950 21574 35374 1... 47109 34818 96901 165 44 00000	USB	(AB-FIN/MPJ-HNG)
E06	19-2	0930	10423	Sun	480 165 44 64950 21574 35374 ... 47109 34818 96901 165 44 00000	USB	(AB-RUS/Anon-FIN)
E06	19-2	1000	8167	Sun	480 165 44 64950 21574 35374 ... 47109 34818 96901 165 44 00000	USB	(Anon-FIN)
E06	20-2	0210	10628	Mon	537 681 49 46541 66336 17582 ... 21198 73541 74444 681 49 00000	USB	(PY)
E06	20-2	0310	14364	Mon	537 681 49 46541 66336 17582 ... 21198 73541 74444 681 49 00000	USB	(PY)
E06	21-2	0210	10628	Tue	537 681 49 46541 66336 17582 ... 21198 73541 74444 681 49 00000	USB	(PY)
E06	21-2	0310	14364	Tue	537 681 49 46541 66336 17582 ... 21198 73541 74444 681 49 00000	USB	(PY)
E06	25-2	1300	8116	Sat	480 156 44 52066 01630 66200 ... 60429 13963 73321 156 44 00000	USB	(AB-RUS/XAH-HOL)
E06	25-2	1330	5410	Sat	480 156 44 52066 01630 66200 ... 60429 13963 73321 156 44 00000	USB	(AB-FIN/XAH-HOL)
E06	25-2	1533	11073	Sat	Various WinXP sounds, test tones and 352 at 1533, 1535, 1541, 1542, 1543, 1544z	USB	(Subilo)
E06	25-2	1550	11073	Sat	352 (R4m) 718 55 51075 77017 71173 ... 08161 85661 65155 718 55 00000	USB	(Subilo)
E06	26-2	0930	10423	Sun	480 156 44 52066 01630 66200 ... 60429 13963 73321 156 44 00000	USB	(AB/Anon)
E06	26-2	1000	8167	Sun	480 156 44 52066 01630 66200 ... 60429 13963 73321 156 44 00000	USB	(Anon-FIN)
E06	27-2	0210	10628	Mon	537 249 50 99527 11032 82881 ... 58663 31624 11262 249 50 00000	USB	(PY)
E06	27-2	0310	14364	Mon	537 249 50 99527 11032 82881 ... 58663 31624 11262 249 50 00000	USB	(PY)
E06	28-2	0210	10628	Tue	537 249 50 99527 11032 82881 ... 58663 31624 11262 249 50 00000	USB	(PY)
E06	28-2	0310	14364	Tue	537 249 50 99527 11032 82881 ... 58663 31624 11262 249 50 00000	USB	(PY)
E06b	14-2	1410	10755	Tue	975 37519 804 26 39316 00159 58947 ... 90397 41579 67380 804 26 975 310 26 54274 40083 40779 ... 89362 28304 36181 310 26 00000	USB	(Subilo)
E07	2-2	1410	13368	Thu	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/HFD)
E07	2-2	1430	12168	Thu	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/HFD)
E07	2-2	1450	11168	Thu	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/HFD)
E07	3-2	1500	15858	Fri	841 841 841 000	USB	(AB/HFD)
E07	3-2	1520	14458	Fri	841 841 841 000	USB	(AB/HFD)



E07	4-2	1400	11464	Sat	472 472 472 000	USB	(AB/HFD)
E07	4-2	1410	13368	Sat	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/MPJ)
E07	4-2	1420	10764	Sat	472 472 472 000	USB	(AB/MPJ/HFD)
E07	4-2	1430	12168	Sat	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/MPJ)
E07	4-2	1450	11168	Sat	745 745 745 1 121 68 121 68 17080 80006 54787 ... 29332 41775 73972 000 000	USB	(AB/MPJ)
E07	5-2	0700	9326	Sun	345 345 345 000	USB	(AB/HFD)
E07	5-2	0720	10426	Sun	345 345 345 000	USB	(AB/HFD)
E07	7-2	1500	15858	Tue	841 841 841 1 7207 115 7207 115 91092 96663 67317 ... 48896 78416 67160 000 000	USB	(AB/HFD)
E07	7-2	1520	14458	Tue	841 841 841 1 7207 115 7207 115 91092 96663 67317 ... 48896 78416 67160 000 000	USB	(AB/HFD)
E07	7-2	1540	12158	Tue	841 841 841 1 7207 115 7207 115 91092 96663 67317 ... 48896 78416 67160 000 000	USB	(AB/HFD)
E07	9-2	1410	13368	Thu	745 745 745 000	USB	(AB/MPJ)
E07	9-2	1430	12168	Thu	745 745 745 000	USB	(AB/MPJ)
E07	10-2	1500	15858	Fri	841 841 841 1 7207 115 7207 115 91092 96663 67317 ... Off after group 101	USB	(AB)
E07	10-2	1520	14458	Fri	841 841 841 1 Off during the callup	USB	(AB)
E07	10-2	1540	12158	Fri	841 841 841 1 7207 115 7207 115 91092 96663 67317 ... 48896 78416 67160 000 000	USB	(AB)
E07	11-2	1400	11464	Sat	472 472 472 000	USB	(AB/MPJ)
E07	11-2	1410	13368	Sat	745 745 745 000	USB	(AB/MPJ)
E07	11-2	1420	10764	Sat	472 472 472 000	USB	(AB/MPJ)
E07	11-2	1430	12168	Sat	745 745 745 000	USB	(AB/MPJ)
E07	12-2	0700	9326	Sun	345 345 345 000	USB	(AB)
E07	12-2	0720	10426	Sun	345 345 345 000	USB	(AB)
E07	14-2	1500	15858	Tue	841 841 841 000	USB	(AB/MPJ)
E07	14-2	1520	14458	Tue	841 841 841 000	USB	(AB/MPJ)
E07	16-2	1410	13368	Thu	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	16-2	1430	12168	Thu	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	16-2	1450	11168	Thu	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	17-2	1500	15858	Fri	841 841 841 000	USB	(AB/MPJ)
E07	17-2	1520	14458	Fri	841 841 841 000	USB	(AB/MPJ)
E07	18-2	1400	11464	Sat	472 472 472 000	USB	(AB/MPJ)
E07	18-2	1410	13368	Sat	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	18-2	1420	10764	Sat	472 472 472 000	USB	(AB/MPJ)
E07	18-2	1430	12168	Sat	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	18-2	1450	11168	Sat	745 745 745 1 7749 82 7749 82 47385 05153 75675 ... 74479 37480 44890 000 000	USB	(AB/MPJ)
E07	19-2	0700	9326	Sun	345 345 345 000	USB	(AB)
E07	19-2	0720	10426	Sun	345 345 345 000	USB	(AB)
E07	21-2	1500	15858	Tue	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)
E07	21-2	1520	14458	Tue	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)
E07	21-2	1540	12158	Tue	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)
E07	23-2	1410	13368	Thu	745 745 745 000	USB	(AB/MPJ)
E07	23-2	1430	12168	Thu	745 745 745 000	USB	(AB/MPJ)
E07	24-2	1500	15858	Fri	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)
E07	24-2	1520	14458	Fri	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)

E07	24-2	1540	12158	Fri	841 841 841 1 183 90 183 90 62806 71009 52979 ... 56272 78425 00802 000 000	USB	(AB/MPJ)
E07	25-2	1400	11464	Sat	472 472 472 000	USB	(AB/XAH)
E07	25-2	1410	13368	Sat	745 745 745 000	USB	(AB/XAH)
E07	25-2	1420	10764	Sat	472 472 472 000	USB	(AB)
E07	25-2	1430	12168	Sat	745 745 745 000	USB	(AB)
E07	26-2	0700	9326	Sun	345 345 345 000	USB	(AB)
E07	26-2	0720	10426	Sun	345 345 345 000	USB	(AB)
E07	28-2	1500	15858	Tue	841 841 841 000	USB	(AB)
E07	28-2	1520	14458	Tue	841 841 841 000	USB	(AB)
E11	1-2	0315	9052	Wed	255/00	USB	(Time)
E11	1-2	0640	16005	Wed	946/00	USB	(AB)
E11	1-2	0715	11104	Wed	750/00	USB	(AB)
E11	1-2	0820	14611	Wed	135/00	USB	(AB)
E11	1-2	0845	12067	Wed	714/00	USB	(AB)
E11	1-2	0900	11092	Wed	538/00	USB	(AB)
E11	1-2	0930	7469	Wed	278/00	USB	(AB)
E11	1-2	1045	11100	Wed	697/00	USB	(AB)
E11	1-2	1205	6433	Wed	466/00	USB	(AB-POL)
E11	1-2	1715	5082	Wed	977/00	USB	(AB)
E11	2-2	0315	9052	Thu	250/00	USB	(Time)
E11	2-2	0505	12153	Thu	338/00	USB	(AB-POL)
E11	2-2	0645	7840	Thu	510/00	USB	(AB)
E11	2-2	0745	13908	Thu	223/00	USB	(AB)
E11	2-2	0820	5149	Thu	432/00	USB	(AB)
E11	2-2	0845	17378	Thu	159/00	USB	(AB/RL)
E11	2-2	0930	7469	Thu	271/00	USB	(AB)
E11	2-2	1300	4909	Thu	316/00	USB	(AB-POL)
E11	2-2	1530	5409	Thu	262/00	USB	(AB)
E11	2-2	1730	5779	Thu	416/00	USB	(AB/MPJ)
E11	2-2	1900	6849	Thu	641/00	USB	(AB/MPJ)
E11	3-2	0600	7850	Fri	354/00	USB	(AB)
E11	3-2	0700	6804	Fri	577/00	USB	(AB)
E11	3-2	0715	9130	Fri	636/00	USB	(AB)
E11	3-2	0820	5149	Fri	439/00	USB	(AB)
E11	3-2	0830	14940	Fri	181/00	USB	(AB/RL)
E11	3-2	1000	9079	Fri	306/00	USB	(AB)
E11	3-2	1715	5082	Fri	970/00	USB	(AB/MPJ)
E11	3-2	1910	10487	Fri	618/00	USB	(AB-POL/MPJ)
E11	4-2	0700	5371	Sat	492/00	USB	(AB)
E11	4-2	1430	13363	Sat	917/00	USB	(AB/MPJ)
E11	4-2	1530	4909	Sat	362/00	USB	(AB/MPJ)
E11	5-2	0600	7850	Sun	353/00	USB	(AB)

E11	5-2	0700	5371	Sun	498/00	USB	(AB)
E11	5-2	1530	4909	Sun	364/00	USB	(AB/MPJ)
E11	5-2	1605	5432	Sun	232/00	USB	(AB/MPJ)
E11	5-2	1745	12924	Sun	246/00	USB	(AB-CYP/MPJ)
E11	5-2	1910	10487	Sun	613/00	USB	(AB-POL/MPJ)
E11	6-2	0640	16005	Mon	941/00	USB	(AB)
E11	6-2	0715	11104	Mon	754/00	USB	(AB)
E11	6-2	0745	10213	Mon	262/00	USB	(AB)
E11	6-2	0830	14940	Mon	183/00	USB	(AB)
E11	6-2	0845	12067	Mon	710/00	USB	(AB)
E11	6-2	1045	11100	Mon	692/00	USB	(AB)
E11	6-2	1300	4909	Mon	314/00	USB	(AB-POL)
E11	6-2	1745	12924	Mon	249/00	USB	(AB/MPJ)
E11	6-2	1900	6849	Mon	644/00	USB	(AB/MPJ)
E11	7-2	0505	12153	Tue		USB	(Time)
E11	7-2	0645	7840	Tue	511/00	USB	(AB)
E11	7-2	0700	6804	Tue	576/00	USB	(AB)
E11	7-2	0745	13908	Tue	223/00	USB	(AB)
E11	7-2	0820	14611	Tue	136/00	USB	(AB/RL)
E11	7-2	0845	17378	Tue	155/00	USB	(AB)
E11	7-2	1000	9079	Tue	309/00	USB	(AB)
E11	7-2	1205	6433	Tue	466/00	USB	(AB)
E11	8-2	0315	9052	Wed	253/00	USB	(Time)
E11	8-2	0640	16005	Wed	945/00	USB	(AB)
E11	8-2	0715	11104	Wed	755/00	USB	(AB/RL)
E11	8-2	0745	17378	Wed	344/00	USB	(AB)
E11	8-2	0820	14611	Wed	135/00	USB	(AB)
E11	8-2	0845	12067	Wed	716/00	USB	(AB-POL)
E11	8-2	0930	7469	Wed	275/00	USB	(AB)
E11	8-2	1045	11100	Wed	692/00	USB	(AB)
E11	8-2	1205	6433	Wed	466/00	USB	(AB)
E11	8-2	1715	5082	Wed	974/00	USB	(AB)
E11	8-2	1910	4505	Wed	393/00	USB	(AB)
E11	9-2	0315	9052	Thu	258/00	USB	(Time)
E11	9-2	0645	7840	Thu	511/00	USB	(AB)
E11	9-2	0745	13908	Thu	223/00	USB	(AB)
E11	9-2	0820	5149	Thu	436/00	USB	(AB)
E11	9-2	0845	17378	Thu	155/00	USB	(AB)
E11	9-2	0930	7469	Thu	271/00	USB	(AB)
E11	9-2	1300	4909	Thu	319/00	USB	(AB-POL)
E11	9-2	1530	5409	Thu	269/00	USB	(AB/MPJ)
E11	9-2	1900	6849	Thu	649/00	USB	(AB)

E11	9-2	2000	5082	Thu	525/00	USB	(AB)
E11	10-2	0600	7850	Fri	350/00	USB	(AB)
E11	10-2	0700	6804	Fri	571/00	USB	(AB)
E11	10-2	0745	17378	Fri	349/00	USB	(AB)
E11	10-2	0820	5149	Fri	432/00	USB	(AB)
E11	10-2	0830	14940	Fri	181/00	USB	(AB/RL)
E11	10-2	1000	9079	Fri	309/00	USB	(AB)
E11	10-2	1715	5082	Fri	970/00	USB	(AB/MPJ)
E11	10-2	1815	6849	Fri	922/00	USB	(AB/MPJ)
E11	11-2	0700	5371	Sat	495/00	USB	(AB)
E11	11-2	1530	4909	Sat	367/00	USB	(MPJ)
E11	11-2	1910	4505	Sat	394/00	USB	(AB/MPJ)
E11	12-2	0600	7850	Sun	359/00	USB	(AB)
E11	12-2	0700	5371	Sun	492/00	USB	(AB)
E11	12-2	1530	4909	Sun	367/00	USB	(AB)
E11	12-2	1745	12924	Sun	242/00	USB	(AB/MPJ)
E11	12-2	1815	6849	Sun	927/00	USB	(AB)
E11	12-2	2000	5082	Sun	525/00	USB	(AB)
E11	13-2	0450	4909	Mon	418/00	USB	(AB)
E11	13-2	0640	16005	Mon	940/00	USB	(AB)
E11	13-2	0715	11104	Mon	750/00	USB	(AB)
E11	13-2	0745	10213	Mon	266/00	USB	(AB)
E11	13-2	0845	12067	Mon	718/00	USB	(AB)
E11	13-2	0900	11092	Mon	538/00	USB	(AB)
E11	13-2	1045	11100	Mon	694/00	USB	(AB)
E11	13-2	1745	12924	Mon	246/00	USB	(AB/RL/MPJ)
E11	14-2	0505	12153	Tue	334/00	USB	(AB-CYP)
E11	14-2	0645	7840	Tue	517/00	USB	(AB/PY)
E11	14-2	0700	6804	Tue	577/00	USB	(AB)
E11	14-2	0715	9130	Tue	635/00	USB	(AB)
E11	14-2	0745	13908	Tue	225/00	USB	(AB)
E11	14-2	0820	14611	Tue	133/00	USB	(AB)
E11	14-2	1000	9079	Tue	309/00	USB	(AB)
E11	14-2	1205	6433	Tue	464/00	USB	(AB)
E11	14-2	1430	13363	Tue	915/00	USB	(AB/MPJ)
E11	14-2	1605	5432	Tue	231/00	USB	(AB/MPJ)
E11	15-2	0640	16005	Wed	942/00	USB	(AB)
E11	15-2	0720	11104	Wed	757/00	USB	(AB)
E11	15-2	0745	17378	Wed	346/00	USB	(AB)
E11	15-2	0820	14611	Wed	135/00	USB	(AB)
E11	15-2	0845	12067	Wed	716/00	USB	(AB-POL)
E11	15-2	0900	11092	Wed	533/00	USB	(AB)

E11	15-2	1045	11100	Wed	693/00	USB	(AB)
E11	15-2	1205	6433	Wed	461/00	USB	(AB)
E11	15-2	1715	5082	Wed	977/00	USB	(AB/MPJ)
E11	15-2	1910	4505	Wed	390/00	USB	(AB/MPJ)
E11	16-2	0505	12153	Thu	335/00	USB	(AB-CYP)
E11	16-2	0645	7840	Thu	519/00	USB	(AB/PY)
E11	16-2	0745	13908	Thu	228/00	USB	(AB)
E11	16-2	1530	5409	Thu	267/00	USB	(AB/MPJ)
E11	16-2	1730	5779	Thu	413/00	USB	(AB)
E11	16-2	2000	5082	Thu	528/00	USB	(AB)
E11	17-2	0700	6804	Fri	574/00	USB	(AB)
E11	17-2	0715	9130	Fri	637/00	USB	(AB)
E11	17-2	0745	17378	Fri	340/00	USB	(AB)
E11	17-2	1000	9079	Fri	307/00	USB	(AB)
E11	17-2	1715	5082	Fri	974/00	USB	(AB/MPJ)
E11	17-2	1815	6849	Fri	927/00	USB	(AB/MPJ)
E11	17-2	1910	10487	Fri	616/00	USB	(AB-POL)
E11	18-2	1430	13363	Sat	915/00	USB	(AB/MPJ)
E11	18-2	1910	4505	Sat	393/00	USB	(AB)
E11	19-2	1605	5432	Sun	230/00	USB	(AB/MPJ)
E11	19-2	1745	12924	Sun	247/00	USB	(AB/MPJ)
E11	19-2	1815	6849	Sun	927/00	USB	(AB/MPJ)
E11	19-2	1910	10487	Sun	612/00	USB	(AB-POL/MPJ)
E11	19-2	2000	5082	Sun	525/00	USB	(AB)
E11	20-2	0450	4909	Mon	418/00	USB	(AB)
E11	20-2	0830	14940	Mon	184/00	USB	(AB)
E11	20-2	0900	11092	Mon	533/00	USB	(AB)
E11	20-2	1300	4909	Mon	315/00	USB	(AB-POL)
E11	20-2	1900	6849	Mon	646/00	USB	(AB/MPJ)
E11	21-2	0505	12153	Tue	334/00	USB	(AB-POL)
E11	21-2	0715	9130	Tue	631/00	USB	(AB)
E11	21-2	0845	17378	Tue	156/00	USB	(AB)
E11	21-2	1430	13363	Tue	918/00	USB	(AB/MPJ)
E11	21-2	1605	5432	Tue	231/00	USB	(AB/MPJ)
E11	22-2	0315	9052	Wed	250/00	USB	(Time)
E11	22-2	0745	17378	Wed	340/00	USB	(AB)
E11	22-2	0900	11092	Wed	534/00	USB	(AB)
E11	22-2	0930	7469	Wed	273/00	USB	(AB)
E11	22-2	1910	4505	Wed	393/00	USB	(AB/MPJ)
E11	23-2	0315	9052	Thu	259/00	USB	(Time)
E11	23-2	0505	12153	Thu	338/00	USB	(AB-CYP)
E11	23-2	0820	5149	Thu	434/00	USB	(AB)

E11	23-2	0845	17378	Thu	156/00	USB	(AB)
E11	23-2	0930	7469	Thu	273/00	USB	(AB)
E11	23-2	1300	4909	Thu	312/00	USB	(AB-POL)
E11	23-2	1730	5779	Thu	415/00	USB	(AB/MPJ)
E11	23-2	1900	6849	Thu	641/00	USB	(AB/MPJ)
E11	23-2	2000	5082	Thu	520/00	USB	(AB)
E11	24-2	0600	7850	Fri	351/00	USB	(AB)
E11	24-2	0715	9130	Fri	636/00	USB	(AB)
E11	24-2	0745	17378	Fri	343/00	USB	(AB)
E11	24-2	0820	5149	Fri	438/00	USB	(AB)
E11	24-2	0830	14940	Fri	183/00	USB	(AB)
E11	24-2	1815	6849	Fri	925/00	USB	(AB/MPJ)
E11	24-2	1910	10487	Fri	612/00	USB	(AB-POL/MPJ)
E11	25-2	0700	5371	Sat	492/00	USB	(AB)
E11	25-2	1430	13363	Sat	914/00	USB	(AB/XAH)
E11	25-2	1530	4909	Sat	367/00	USB	(AB/MPJ)
E11	25-2	1910	4505	Sat	392/00	USB	(AB/MPJ)
E11	26-2	0600	7850	Sun	350/00	USB	(AB)
E11	26-2	0700	5371	Sun	492/00	USB	(AB)
E11	26-2	1530	4909	Sun	369/00	USB	(AB)
E11	26-2	1605	5432	Sun	230/00	USB	(AB/MPJ)
E11	26-2	1815	6849	Sun	921/00	USB	(AB)
E11	26-2	1910	10487	Sun	614/00	USB	(AB-POL/MPJ)
E11	26-2	2000	5082	Sun	522/00	USB	(AB)
E11	27-2	0450	4909	Mon	411/00	USB	(AB)
E11	27-2	0640	16005	Mon	940/00	USB	(AB)
E11	27-2	0715	11104	Mon	757/00	USB	(AB)
E11	27-2	0745	10213	Mon	267/00	USB	(AB)
E11	27-2	0830	14940	Mon	181/00	USB	(AB)
E11	27-2	0845	12067	Mon	710/00	USB	(AB)
E11	27-2	0900	11092	Mon	534/00	USB	(AB)
E11	27-2	1045	11100	Mon	690/00	USB	(AB)
E11	27-2	1300	4909	Mon	312/00	USB	(AB-POL)
E11	27-2	1745	12924	Mon	242/00	USB	(AB)
E11	27-2	1900	6849	Mon	640/00	USB	(AB)
E11	28-2	0505	12153	Tue	330/00	USB	(AB-POL)
E11	28-2	0645	7840	Tue	517/00	USB	(AB)
E11	28-2	0700	6804	Tue	571/00	USB	(AB)
E11	28-2	0715	9130	Tue	637/00	USB	(AB)
E11	28-2	0745	13908	Tue	221/00	USB	(AB)
E11	28-2	0820	14611	Tue	134/00	USB	(AB)
E11	28-2	1000	9079	Tue	305/00	USB	(AB)

E11	28-2	1205	6433	Tue	465/00	USB	(AB)
E11	28-2	1430	13363	Tue	915/00	USB	(AB)
E11	28-2	1605	5432	Tue	233/00	USB	(AB)
E11a	1-2	0745	17378	Wed	342/35 Attention 10825 09598 53717 ... 86891 93754 96149 Attention (msg rptd) Out	USB	(AB)
E11a	1-2	1910	4505	Wed	394/34 Attention 42125 09836 29991 ... 61129 99284 19558 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	2-2	2000	5082	Thu	527/39 Attention 15934 07772 89075 ... 17753 42323 21415 Attention (msg rptd) Out	USB	(AB)
E11a	3-2	0745	17378	Fri	342/35 Attention 10825 09598 53717 ... 86891 93754 96149 Attention (msg rptd) Out	USB	(AB)
E11a	3-2	1815	6849	Fri	925/31 Attention 65732 02411 87393 ... 78751 29156 76906 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	4-2	1910	4505	Sat	394/34 Attention 42125 09836 29991 ... 61129 99284 19558 Attention (msg rptd) Out	USB	(AB)
E11a	5-2	1815	6849	Sun	925/31 Attention 65732 02411 87393 ... 78751 29156 76906 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	5-2	2000	5082	Sun	527/39 Attention 15934 07772 89075 ... 17753 42323 21415 Attention (msg rptd) Out	USB	(AB)
E11a	6-2	0450	4909	Mon	413/33 Attention 70744 88975 89622 ... 97656 48239 27559 Attention (msg rptd) Out	USB	(Time)
E11a	6-2	0900	11092	Mon	530/39 Attention 04376 83501 80389 ... 83171 43480 26211 Attention (msg rptd) Out	USB	(AB)
E11a	7-2	0715	9130	Tue	639/32 Attention 61466 45385 29375 ... 37014 27252 74015 Attention (msg rptd) Out	USB	(AB)
E11a	7-2	1430	13363	Tue	912/38 Attention 24911 61372 72179 ... 84828 43334 56132 Attention (msg rptd) Out	USB	(AB)
E11a	7-2	1605	5432	Tue	233/30 Attention 66980 02858 60774 ... 16668 53269 56340 Attention (msg rptd) Out	USB	(AB)
E11a	8-2	0900	11092	Wed	530/39 Attention 04376 83501 80389 ... 83171 43480 26211 Attention (msg rptd) Out	USB	(AB)
E11a	9-2	0505	12153	Thu	330/40 Attention 03936 15162 79939 ... 74989 07876 10324 Attention (msg rptd) Out	USB	(AB-POL)
E11a	9-2	1730	5779	Thu	413/33 Attention 70744 88975 89622 ... 97656 48239 27559 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	10-2	0715	9130	Fri	639/32 Attention 61466 45385 29375 ... 37014 27252 74015 Attention (msg rptd) Out	USB	(AB)
E11a	10-2	1910	10487	Fri	617/35 Attention 77161 59031 93982 ... 87379 84823 24765 Attention (msg rptd) Out	USB	(AB-POL/MPJ)
E11a	11-2	1430	13363	Sat	910/38 Attention 24911 61372 72179 ... 84828 43334 56132 Attention (msg rptd) Out	USB	(AB)
E11a	12-2	1605	5432	Sun	233/30 Attention 66980 02858 60774 ... 16668 53269 56340 Attention (msg rptd) Out	USB	(AB)
E11a	12-2	1910	10487	Sun	617/35 Attention 77161 59031 93982 ... 87379 84823 24765 Attention (msg rptd) Out	USB	(AB-POL/MPJ)
E11a	13-2	0830	14940	Mon	182/35 Attention 95231 86304 34395 ... 64495 02842 18567 Attention (msg rptd) Out	USB	(AB/RL)
E11a	13-2	1300	4909	Mon	311/35 Attention 57919 77025 03320 ... 11919 36296 44889 Attention (msg rptd) Out	USB	(AB-POL)
E11a	13-2	1900	6849	Mon	643/36 Attention 49896 38617 23986 ... 59961 94378 89889 Attention (msg rptd) Out	USB	(AB-POL/MPJ)
E11a	14-2	0845	17378	Tue	150/33 Attention 81335 79571 93663 ... 98528 10640 18665 Attention (msg rptd) Out	USB	(AB)
E11a	15-2	0315	9052	Wed	259/33 Attention 04274 43717 29953 ... 42167 44727 22805 Attention (msg rptd) Out	USB	(Time)
E11a	15-2	0930	7469	Wed	275/32 Attention 58850 01744 32081 ... 98323 43966 37290 Attention (msg rptd) Out	USB	(AB)
E11a	16-2	0315	9052	Thu	259/33 Attention 04274 43717 29953 ... 42167 44727 22805 Attention (msg rptd) Out	USB	(Time)
E11a	16-2	0820	5149	Thu	439/34 Attention 35349 45781 40882 ... 96529 27344 89391 Attention (msg rptd) Out	USB	(AB)
E11a	16-2	0845	17378	Thu	150/33 Attention 81335 79571 93663 ... 98528 10640 18665 Attention (msg rptd) Out	USB	(AB)
E11a	16-2	0930	7469	Thu	275/32 Attention 58850 01744 32081 ... 98323 43966 37290 Attention (msg rptd) Out	USB	(AB)
E11a	16-2	1300	4909	Thu	311/35 Attention 57919 77025 03320 ... 11919 36296 44889 Attention (msg rptd) Out	USB	(AB-POL/MPJ-AUT)
E11a	16-2	1900	6849	Thu	643/36 Attention 49896 38617 23986 ... 59961 94378 89889 Attention (msg rptd) Out	USB	(AB-POL/MPJ)
E11a	17-2	0600	7850	Fri	353/38 Attention 35102 62449 77905 ... 54032 10821 97104 Attention (msg rptd) Out	USB	(AB)
E11a	17-2	0820	5149	Fri	439/34 Attention 35349 45781 40882 ... 96529 27344 89391 Attention (msg rptd) Out	USB	(AB-POL)
E11a	17-2	0830	14940	Fri	182/35 Attention 95231 86304 34395 ... 64495 02842 18567 Attention (msg rptd) Out	USB	(AB/RL)
E11a	18-2	0700	5371	Sat	498/40 Attention 45654 21396 60588 ... 79595 83968 57027 Attention (msg rptd) Out	USB	(AB)
E11a	18-2	1530	4909	Sat	365/36 Attention 68246 65678 26593 ... 54079 47226 70800 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	19-2	0600	7850	Sun	353/38 Attention 35102 62449 77905 ... 54032 10821 97104 Attention (msg rptd) Out	USB	(AB)



E11a	19-2	0700	5371	Sun	498/40 Attention 45654 21396 60588 ... 79595 83968 57027 Attention (msg rptd) Out	USB	(AB)
E11a	19-2	1530	4909	Sun	365/36 Attention 68246 65678 26593 ... 54079 47226 70800 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	0640	16005	Mon	941/37 Attention 06768 19249 31743 ... 10416 71738 21777 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	0715	11104	Mon	750/32 Attention 96367 57915 65985 ... 13524 48118 63429 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	0745	10213	Mon	266/40 Attention 50393 40924 23742 ... 18691 28656 08208 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	0845	12067	Mon	711/34 Attention 21449 45042 51079 ... 10676 29206 40053 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	1045	11100	Mon	696/30 Attention 65139 28994 16914 ... 26350 16374 43528 Attention (msg rptd) Out	USB	(AB)
E11a	20-2	1745	12924	Mon	246/37 Attention 94232 99147 23051 ... 06204 78394 66910 Attention (msg rptd) out	USB	(AB/MPJ)
E11a	21-2	0645	7840	Tue	512/32 Attention 12155 99110 22293 ... 37755 68484 69479 Attention (msg rptd) Out	USB	(AB)
E11a	21-2	0700	6804	Tue	570/33 Attention 36574 19351 12276 ... 96172 34513 31994 Attention (msg rptd) Out	USB	(AB)
E11a	21-2	0745	13908	Tue	221/39 Attention 01997 13347 64321 ... 06468 72820 10960 Attention (msg rptd) Out	USB	(AB)
E11a	21-2	0820	14611	Tue	131/33 Attention 58109 61172 81154 ... 32792 94069 64123 Attention (msg rptd) Out	USB	(AB)
E11a	21-2	1000	9079	Tue	307/36 Attention 71030 39536 78979 ... 22867 55811 38027 Attention (msg rptd) Out	USB	(AB)
E11a	21-2	1205	6433	Tue	461/30 Attention 49792 94146 05271 ... 54045 14833 08045 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	22-2	0640	16005	Wed	941/37 Attention 06768 19249 31743 ... 10416 71738 21777 Attention (msg rptd) Out	USB	(AB)
E11a	22-2	0720	11104	Wed	750/32 Attention 96367 57915 65985 ... 13524 48118 63429 Attention (msg rptd) Out	USB	(AB)
E11a	22-2	0820	14611	Wed	131/33 Attention 58109 61172 81154 ... 32792 94069 64123 Attention (msg rptd) Out	USB	(AB)
E11a	22-2	0845	12067	Wed	711/34 Attention 21449 45042 51079 ... 10676 29206 40053 Attention (msg rptd) Out	USB	(AB)
E11a	22-2	1045	11100	Wed	696/30 Attention 65139 28994 16914 ... 26350 16374 43528 Attention (msg rptd) Out	USB	(AB)
E11a	22-2	1205	6433	Wed	461/30 Attention 49792 94146 05271 ... 54045 14833 08045 Attention (msg rptd) Out	USB	(AB-POL)
E11a	22-2	1715	5082	Wed	976/31 Attention 03051 12709 34740 ... 27691 27033 17891 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	23-2	0645	7840	Thu	512/32 Attention 12155 99110 22293 ... 37755 68484 69479 Attention (msg rptd) Out	USB	(AB)
E11a	23-2	0745	13908	Thu	221/39 Attention 01997 13347 64321 ... 06468 72820 10960 Attention (msg rptd) Out	USB	(AB)
E11a	23-2	1530	5409	Thu	266/40 Attention 50393 40924 23742 ... 18691 28656 08208 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	24-2	0700	6804	Fri	570/33 Attention 36574 19351 12276 ... 96172 34513 31994 Attention (msg rptd) Out	USB	(AB)
E11a	24-2	1000	9079	Fri	307/36 Attention 71030 39536 78979 ... 22867 55811 38027 Attention (msg rptd) Out	USB	(AB)
E11a	24-2	1715	5082	Fri	976/31 Attention 03051 12709 34740 ... 27691 27033 17891 Attention (msg rptd) Out	USB	(AB/MPJ)
E11a	26-2	1745	12924	Sun	246/37 Attention 94232 99147 23051 ... 06204 78394 66910 Attention (msg rptd) out	USB	(AB/MPJ)
EGY	4-2	1500	21588	Sat	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	16-2	1712	9046.7	Thu	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	17-2	1357	17445.7	Fri	SSBT: MFA Cairo message to RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
F01	1-2	1015	12184	Wed	Russian diplo/intel. Distorted audio. Undecodable	FSK 200/500	(AB-RUS)
F01	1-2	1025	10169	Wed	Russian diplo/intel. Distorted audio. Undecodable	FSK 200/500	(AB-RUS)
F01	1-2	1035	8079	Wed	Russian diplo/intel. Distorted audio. Undecodable	FSK 200/500	(AB-RUS)
F01	1-2	1940	8155	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ/HFD)
F01	1-2	1950	6844	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ/RL/HFD)
F01	1-2	2000	4527	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ/RL/HFD)
F01	2-2	1015	12184	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	2-2	1025	10169	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	2-2	1035	8079	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	3-2	1015	12184	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	3-2	1025	10169	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)



F01	3-2	1035	8079	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS/HFD)
F01	6-2	1015	12184	Mon	Russian diplo/intel. 51087 90556 95262 ... 00051 65870 87437 00000 +++++ +++++	FSK 200/500	(AB)
F01	6-2	1025	10169	Mon	Russian diplo/intel. 51087 90556 95262 ... 00051 65870 87437 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	6-2	1035	8079	Mon	Russian diplo/intel. 51087 90556 95262 ... 00051 65870 87437 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	7-2	1015	12184	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7-2	1025	10169	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	7-2	1035	8079	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	8-2	1015	12184	Wed	Russian diplo/intel. 91469 30639 12049 ... 80496 27077 90425 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-2	1025	10169	Wed	Russian diplo/intel. 91469 30639 12049 ... 80496 27077 90425 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	8-2	1035	8079	Wed	Russian diplo/intel. 91469 30639 12049 ... 80496 27077 90425 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	9-2	1015	12184	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	9-2	1025	10169	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	9-2	1035	8079	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10-2	1015	12184	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10-2	1025	10169	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10-2	1035	8079	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	10-2	2230	20741	Fri	Russian diplo/intel from Cuba 11177 00116 54019 09006 01549	FSK 200/500	(AB-USA)
F01	10-2	2240	18401	Fri	Russian diplo/intel from Cuba 11177 00116 54019 09006 01549	FSK 200/500	(AB-USA)
F01	13-2	1015	12184	Mon	Russian diplo/intel. 52809 97791 47413 ... 97204 40458 93409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	13-2	1025	10169	Mon	Russian diplo/intel. 52809 97791 47413 ... 97204 40458 93409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	13-2	1035	8079	Mon	Russian diplo/intel. 52809 97791 47413 ... 97204 40458 93409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	14-2	1015	12184	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	14-2	1025	10169	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	14-2	1035	8079	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	15-2	1015	12184	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 96401 00000 +++++ +++++	FSK 200/500	(AB)
F01	15-2	1025	10169	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 96401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	15-2	1035	8079	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 96401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	16-2	1015	12184	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	16-2	1025	10169	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	16-2	1035	8079	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	17-2	1015	12184	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	17-2	1025	10169	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	17-2	1035	8079	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	20-2	1015	12184	Mon	Russian diplo/intel. 79175 56276 39832 ... 22725 32984 99413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	20-2	1025	10169	Mon	Russian diplo/intel. 79175 56276 39832 ... 22725 32984 99413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	20-2	1035	8079	Mon	Russian diplo/intel. 79175 56276 39832 ... 22725 32984 99413 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	21-2	1015	12184	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	21-2	1025	10169	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	21-2	1035	8079	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	22-2	1015	12184	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 03401 00000 +++++ +++++	FSK 200/500	(AB)
F01	22-2	1025	10169	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 03401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	22-2	1035	8079	Wed	Russian diplo/intel. 57602 13344 36073 ... 38585 36174 03401 00000 +++++ +++++	FSK 200/500	(AB-RUS)

F01	23-2	1015	12184	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	23-2	1025	10169	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	23-2	1035	8079	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	24-2	1015	12184	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	24-2	1025	10169	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	24-2	1035	8079	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	27-2	1015	12184	Mon	Russian diplo/intel. 02622 82753 63069 ... 53548 84222 06401 00000 +++++ +++++	FSK 200/500	(AB)
F01	27-2	1025	10169	Mon	Russian diplo/intel. 02622 82753 63069 ... 53548 84222 06401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	27-2	1035	8079	Mon	Russian diplo/intel. 02622 82753 63069 ... 53548 84222 06401 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	28-2	1015	12184	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-2	1025	10169	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-2	1035	8079	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F02	3-2	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	3-2	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	6-2	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	6-2	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	6-2	0846	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	6-2	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	7-2	0700	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	7-2	0700	18449	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	7-2	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	7-2	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	10-2	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	10-2	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	13-2	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	13-2	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	13-2	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	14-2	0700	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	14-2	0700	18449	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	14-2	0830	15626	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	17-2	0830	15626	Fri	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	17-2	0830	16166	Fri	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	20-2	0830	12173	Mon	Russian domestic net. QSX 13856 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	20-2	0830	13856	Mon	Russian domestic net. QSX 12173 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	20-2	0900	18263	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	21-2	0700	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	21-2	0700	18449	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	21-2	0720	9052	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	21-2	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	21-2	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	28-2	0700	16312	Tue	Russian domestic net. QSX 18449 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	28-2	0700	18449	Tue	Russian domestic net. QSX 16312 kHz	MFSK-4/150Bd/4000Hz	(AB)

<b>F02</b>	28-2	0830	15626	Tue	Russian domestic net. QSX 16166 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	28-2	0830	16166	Tue	Russian domestic net. QSX 15626 kHz	MFSK-4/150Bd/4000Hz	(AB)
<b>F03</b>	2-2	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	2-2	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	7-2	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	7-2	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	9-2	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	9-2	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	14-2	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	14-2	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	16-2	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	16-2	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	21-2	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	21-2	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	23-2	0635	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	23-2	0640	14415	Thu	Polish intel.	FSK	(AB)
<b>F03</b>	28-2	0635	14415	Tue	Polish intel.	FSK	(AB)
<b>F03</b>	28-2	0640	14415	Tue	Polish intel.	FSK	(AB)
<b>F03j</b>	1-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-2	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-2	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-2	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-2	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-2	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	3-2	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	6-2	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/RL)
<b>F03j</b>	6-2	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/RL)
<b>F03j</b>	6-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	6-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-2	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-2	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-2	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-2	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	9-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-2	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-2	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-2	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-2	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-2	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	10-2	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	13-2	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	13-2	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	13-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	13-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-2	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-2	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-2	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-2	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-2	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-2	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-2	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-2	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-2	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	17-2	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	20-2	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	20-2	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	20-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	20-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-2	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-2	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-2	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	21-2	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	22-2	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-2	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-2	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-2	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	23-2	0915	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	23-2	0920	5946	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	24-2	0810	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-2	0815	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-2	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-2	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-2	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	24-2	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
<b>F03j</b>	27-2	0810	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-2	0815	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-2	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	27-2	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-2	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-2	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-2	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-2	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03I</b>	1-2	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	1030	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	1-2	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0720	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0725	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	2-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/RL)
<b>F03I</b>	2-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	3-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	6-2	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)



<b>F03I</b>	6-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	6-2	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	0620	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	0625	8305	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL/RL)
<b>F03I</b>	7-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	7-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7-2	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	1030	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8-2	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0620	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0720	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0725	8305	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	9-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	9-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	10-2	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-2	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	10-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)

<b>F03I</b>	13-2	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	13-2	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	13-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	1030	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	13-2	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	14-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	14-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	14-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	14-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	14-2	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
<b>F03I</b>	14-2	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
<b>F03I</b>	15-2	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	1030	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	15-2	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	16-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	16-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	16-2	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	16-2	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	16-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	16-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	17-2	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	17-2	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	17-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	17-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	17-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	17-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	20-2	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03I</b>	20-2	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03I	20-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	1030	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-2	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	0615	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	0630	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	21-2	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	21-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-2	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0615	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0620	9240	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0950	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	0955	11116	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	1030	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	1035	8680	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	1100	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-2	1105	6280	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0615	6480	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0630	6480	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0735	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0740	8800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0800	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0805	5082	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-2	0835	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	23-2	0840	17120	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	24-2	0800	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-2	0805	5082	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-2	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-2	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-2	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-2	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)



F03I	27-2	0615	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	27-2	0620	9240	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	27-2	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0950	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	0955	11116	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	1030	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-2	1035	8680	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	0615	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	0630	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	1100	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-2	1105	6280	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	1-2	0600	20072	Wed	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	1-2	0610	18291	Wed	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	1-2	0620	16071	Wed	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	1-2	0620	16071	Wed	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	1-2	0700	11048	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB)
F06	1-2	0710	9244	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB)
F06	1-2	0720	7319	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB)
F06	1-2	0800	5913	Wed	Russian diplo/intel. 11100 00000 56291 01006 02529 and 11100 00000 98054 01007 02529	FSK 200/1000	(Pof)
F06	1-2	0810	7992	Wed	Russian diplo/intel. 11100 00000 56291 01006 02529 and 11100 00000 98054 01007 02529	FSK 200/1000	(Pof)
F06	1-2	0820	10687	Wed	Russian diplo/intel. 11100 00000 56291 01006 02529 and 11100 00000 98054 01007 02529	FSK 200/1000	(Pof)
F06	1-2	0900	6957	Wed	Russian diplo/intel. 4 messages	FSK 200/1000	(PY)
F06	1-2	0910	9425	Wed	Russian diplo/intel. 4 messages	FSK 200/1000	(PY)
F06	1-2	0920	11611	Wed	Russian diplo/intel. 4 messages	FSK 200/1000	(PY)
F06	1-2	1000	13921	Wed	Russian diplo/intel. 11166 00000 23856 31054 00359	FSK 200/1000	(PY)
F06	1-2	1010	12167	Wed	Russian diplo/intel. 11166 00000 23856 31054 00359	FSK 200/1000	(PY)
F06	1-2	1020	10271	Wed	Russian diplo/intel. 11166 00000 23856 31054 00359	FSK 200/1000	(PY)
F06	1-2	1200	11164	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB)
F06	1-2	1210	9164	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB-RUS)
F06	1-2	1220	7617	Wed	Russian diplo/intel. 11166 70202 96321 31016 02359	FSK 200/1000	(AB-RUS)
F06	2-2	0600	20072	Thu	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	2-2	0610	18291	Thu	Russian diplo/intel. 11166 40122 47852 28040 03669	FSK 200/1000	(AB-RUS)
F06	2-2	0700	11048	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB)
F06	2-2	0710	9244	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB)
F06	2-2	0720	7319	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB)

F06	2-2	1010	12167	Thu	Russian diplo/intel. 11166 00000 96482 01055 00389	FSK 200/1000	(AB)
F06	2-2	1020	10271	Thu	Russian diplo/intel. 11166 00000 96482 01055 00389	FSK 200/1000	(AB)
F06	2-2	1200	11164	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB)
F06	2-2	1210	9164	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB-RUS)
F06	2-2	1220	7617	Thu	Russian diplo/intel. 11166 70202 26497 01017 01739 and 11166 70202 35746 01018 01919	FSK 200/1000	(AB-RUS)
F06	2-2	1330	19237	Thu	Russian diplo/intel. 11166 80214 21564 02063 00049 00000 00000 00000 00000	FSK 200/1000	(Priyom)
F06	2-2	1340	14979	Thu	Russian diplo/intel. 11166 80214 21564 02063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-2	1350	12205	Thu	Russian diplo/intel. 11166 80214 21564 02063 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-2	0700	11048	Fri	Russian diplo/intel. 11166 70202 75364 03041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-2	0710	9244	Fri	Russian diplo/intel. 11166 70202 75364 03041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-2	0720	7319	Fri	Russian diplo/intel. 11166 70202 75364 03041 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-2	1400	7954	Sat	Russian diplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB)
F06	4-2	1410	5452	Sat	Russian diplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB-BLR)
F06	4-2	1420	4035	Sat	Russian diplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB-BLR)
F06	5-2	1030	10687	Sun	Russian siplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB)
F06	5-2	1040	7992	Sun	Russian siplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB)
F06	5-2	1050	5913	Sun	Russian siplo/intel. 11100 00000 74238 03062 01639	FSK 200/1000	(AB)
F06	5-2	1530	14983	Sun	Russian diplo/intel. 11166 10053 65479 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-2	1540	13379	Sun	Russian diplo/intel. 11166 10053 65479 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-2	1550	10948	Sun	Russian diplo/intel. 11166 10053 65479 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-2	0500	6866	Mon	Russian diplo/intel. 11166 70059 78642 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-2	0510	5326	Mon	Russian diplo/intel. 11166 70059 78642 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-2	0520	4616	Mon	Russian diplo/intel. 11166 70059 78642 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-2	0700	11048	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB)
F06	6-2	0710	9244	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB)
F06	6-2	0720	7319	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB)
F06	6-2	1200	11164	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB/MPJ)
F06	6-2	1210	9164	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB-RUS/MPJ)
F06	6-2	1220	7617	Mon	Russian diplo/intel. 11166 70202 98541 03019 02399	FSK 200/1000	(AB-RUS/MPJ)
F06	7-2	0030	10919	Tue	Russian diplo/intel. 11166 60070 95327 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	0040	9083	Tue	Russian diplo/intel. 11166 60070 95327 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	0050	8176	Tue	Russian diplo/intel. 11166 60070 95327 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	0700	11048	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB)
F06	7-2	0710	9244	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB)
F06	7-2	0720	7319	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB)
F06	7-2	1200	11164	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB)
F06	7-2	1210	9164	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB-RUS)
F06	7-2	1220	7617	Tue	Russian diplo/intel. 11166 70202 96417 06020 01599 and 11166 70202 45127 06021 01639	FSK 200/1000	(AB-RUS)
F06	7-2	1230	12177	Tue	Russian diplo/intel. 11166 30154 14520 07069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	7-2	1240	9159	Tue	Russian diplo/intel. 11166 30154 14520 07069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	7-2	1650	13377	Tue	Russian diplo/intel. 11166 10053 75894 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-2	1700	12225	Tue	Russian diplo/intel. 11166 10053 75894 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	7-2	1710	9139	Tue	Russian diplo/intel. 11166 10053 75894 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-2	0600	20072	Wed	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-RUS)
F06	8-2	0610	18291	Wed	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-RUS)
F06	8-2	0620	16071	Wed	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-RUS)
F06	8-2	0700	11048	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB)
F06	8-2	0710	9244	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB)
F06	8-2	0720	7319	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB)
F06	8-2	1015	25053	Wed	Russian diplo/intel. 11166 40023 98741 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-2	1030	20844	Wed	Russian diplo/intel. 11166 40023 98741 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-2	1045	18657	Wed	Russian diplo/intel. 11166 40023 98741 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-2	1200	11164	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB)
F06	8-2	1210	9164	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB-RUS)
F06	8-2	1220	7617	Wed	Russian diplo/intel. 11166 70202 15234 07022 02339	FSK 200/1000	(AB-RUS)
F06	9-2	0600	20072	Thu	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-J)
F06	9-2	0610	18291	Thu	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-J)
F06	9-2	0620	16071	Thu	Russian diplo/intel. 11166 40122 34217 04041 03239 and 11166 40122 98437 04042 02209	FSK 200/1000	(AB-J)
F06	9-2	0700	11048	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB)
F06	9-2	0710	9244	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB)
F06	9-2	0720	7319	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB)
F06	9-2	1200	11164	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB)
F06	9-2	1210	9164	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB-RUS/MPJ)
F06	9-2	1220	7617	Thu	Russian diplo/intel. 11166 70202 85214 08023 01559 and 11166 70202 96482 08024 01659	FSK 200/1000	(AB-RUS/MPJ)
F06	9-2	1330	19237	Thu	Russian diplo/intel. 11166 80214 21564 08059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-2	1340	14979	Thu	Russian diplo/intel. 11166 80214 21564 08059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-2	1350	12205	Thu	Russian diplo/intel. 11166 80214 21564 08059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-2	0700	11048	Fri	Russian diplo/intel. 11166 70202 52367 10031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-2	0710	9244	Fri	Russian diplo/intel. 11166 70202 52367 10031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-2	0720	7319	Fri	Russian diplo/intel. 11166 70202 52367 10031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-2	1400	7954	Sat	Russian diplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB/MPJ)
F06	11-2	1410	5452	Sat	Russian diplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB-BLR/MPJ)
F06	11-2	1420	4035	Sat	Russian diplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB-BLR/MPJ)
F06	12-2	1030	10687	Sun	Russian siplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB)
F06	12-2	1040	7992	Sun	Russian siplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB)
F06	12-2	1050	5913	Sun	Russian siplo/intel. 11100 00000 65314 10063 01739	FSK 200/1000	(AB)
F06	12-2	1530	14983	Sun	Russian diplo/intel. 11166 10053 13697 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-2	1540	13379	Sun	Russian diplo/intel. 11166 10053 13697 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-2	1550	10948	Sun	Russian diplo/intel. 11166 10053 13697 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-2	0700	11048	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB-RUS)
F06	13-2	0710	9244	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB-RUS)
F06	13-2	0720	7319	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB-RUS)
F06	13-2	1200	11164	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB/MPJ-FIN)
F06	13-2	1210	9164	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB-RUS/MPJ-FIN)

F06	13-2	1220	7617	Mon	Russian diplo/intel. 11166 70202 96358 10025 02319	FSK 200/1000	(AB-RUS/MPJ-FIN)
F06	13-2	1905	6851	Mon	Russian diplo/intel. 11100 00000 35078 13001 04009	FSK 200/1000	(AB)
F06	14-2	0030	10919	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
F06	14-2	0040	9083	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
F06	14-2	0050	8176	Tue	Russian diplo/intel.	FSK 200/1000	(AB)
F06	14-2	0700	11048	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB)
F06	14-2	0710	9244	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB)
F06	14-2	0720	7319	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB)
F06	14-2	1200	11164	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB/MPJ-AUT)
F06	14-2	1210	9164	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	14-2	1220	7617	Tue	Russian diplo/intel. 11166 70202 39745 13026 01579 and 11166 70202 12874 13027 01699	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	14-2	1230	12177	Tue	Russian diplo/intel. 11166 30154 14736 14028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14-2	1240	9159	Tue	Russian diplo/intel. 11166 30154 14736 14028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14-2	1650	13377	Tue	Russian diplo/intel. 11166 10053 19482 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14-2	1700	12225	Tue	Russian diplo/intel. 11166 10053 19482 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	14-2	1710	9139	Tue	Russian diplo/intel. 11166 10053 19482 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-2	0600	20072	Wed	Russian diplo/intel. 11166 40122 10258 15069 00049 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15-2	0610	18291	Wed	Russian diplo/intel. 11166 40122 10258 15069 00049 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15-2	0620	16071	Wed	Russian diplo/intel. 11166 40122 10258 15069 00049 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15-2	0700	11048	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB)
F06	15-2	0710	9244	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB-RUS)
F06	15-2	0720	7319	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB-RUS)
F06	15-2	1200	11164	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB)
F06	15-2	1210	9164	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB-RUS)
F06	15-2	1220	7617	Wed	Russian diplo/intel. 11166 70202 78124 14028 02559	FSK 200/1000	(AB-RUS)
F06	15-2	1400	16071	Wed	Russian diplo/intel. 11100 00000 48569 15003 04909	FSK 200/1000	(AB)
F06	15-2	1410	13547	Wed	Russian diplo/intel. 11100 00000 48569 15003 04909	FSK 200/1000	(AB)
F06	15-2	1420	10787	Wed	Russian diplo/intel. 11100 00000 48569 15003 04909	FSK 200/1000	(AB)
F06	16-2	0700	11048	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB)
F06	16-2	0710	9244	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB)
F06	16-2	0720	7319	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB)
F06	16-2	1200	11164	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB)
F06	16-2	1210	9164	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB-RUS)
F06	16-2	1220	7617	Thu	Russian diplo/intel. 11166 70202 45172 15029 01719 and 11166 70202 95387 15030 01619	FSK 200/1000	(AB-RUS)
F06	16-2	1330	19237	Thu	Russian diplo/intel. 11166 80214 95137 16091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-2	1340	14979	Thu	Russian diplo/intel. 11166 80214 95137 16091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-2	1350	12205	Thu	Russian diplo/intel. 11166 80214 95137 16091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-2	1905	6851	Thu	Russian diplo/intel. 11100 00608 54879 16004 03599	FSK 200/1000	(AB/MPJ)
F06	17-2	0700	11048	Fri	Russian diplo/intel. 11166 70202 48392 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-2	0710	9244	Fri	Russian diplo/intel. 11166 70202 48392 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-2	0720	7319	Fri	Russian diplo/intel. 11166 70202 48392 16051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	18-2	1400	7954	Sat	Russian diplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB)
F06	18-2	1410	5452	Sat	Russian diplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB-BLR)
F06	18-2	1420	4035	Sat	Russian diplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB-BLR)
F06	19-2	1030	10687	Sun	Russian siplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB-RUS)
F06	19-2	1040	7992	Sun	Russian siplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB-RUS)
F06	19-2	1050	5913	Sun	Russian siplo/intel. 11100 00000 32647 17064 01879	FSK 200/1000	(AB-RUS)
F06	19-2	1530	14983	Sun	Russian diplo/intel. 11166 10053 75321 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-2	1540	13379	Sun	Russian diplo/intel. 11166 10053 75321 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-2	1550	10948	Sun	Russian diplo/intel. 11166 10053 75321 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-2	0500	6866	Mon	Russian diplo/intel. 11166 70059 98741 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-2	0510	5326	Mon	Russian diplo/intel. 11166 70059 98741 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-2	0520	4616	Mon	Russian diplo/intel. 11166 70059 98741 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-2	0700	11048	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB)
F06	20-2	0710	9244	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB)
F06	20-2	0720	7319	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB)
F06	20-2	1200	11164	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB-RUS/MPJ-HNG)
F06	20-2	1210	9164	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB-RUS/MPJ-HNG)
F06	20-2	1220	7617	Mon	Russian diplo/intel. 11166 70202 54127 17031 02659	FSK 200/1000	(AB-RUS/MPJ-HNG)
F06	21-2	0030	10919	Tue	Russian diplo/intel. 11166 60070 39641 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-2	0040	9083	Tue	Russian diplo/intel. 11166 60070 39641 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-2	0050	8176	Tue	Russian diplo/intel. 11166 60070 39641 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-2	0700	11048	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB)
F06	21-2	0710	9244	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB)
F06	21-2	0720	7319	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB)
F06	21-2	1200	11164	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	21-2	1210	9164	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	21-2	1220	7617	Tue	Russian diplo/intel. 11166 70202 42819 20032 02199 and 11166 70202 15937 20033 01959	FSK 200/1000	(AB-RUS/MPJ-AUT)
F06	21-2	1230	12177	Tue	Russian diplo/intel. 11166 30154 15326 21583 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	21-2	1240	9159	Tue	Russian diplo/intel. 11166 30154 15326 21583 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	21-2	1650	13377	Tue	Russian diplo/intel. 11166 10053 31247 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	21-2	1700	12225	Tue	Russian diplo/intel. 11166 10053 31247 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	21-2	1710	9139	Tue	Russian diplo/intel. 11166 10053 31247 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	22-2	0600	20072	Wed	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
F06	22-2	0610	18291	Wed	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
F06	22-2	0620	16071	Wed	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
F06	22-2	0700	11048	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB)
F06	22-2	0710	9244	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB-RUS)
F06	22-2	0720	7319	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB-RUS)
F06	22-2	1015	25053	Wed	Russian diplo/intel. 11166 40023 48613 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-2	1030	20844	Wed	Russian diplo/intel. 11166 40023 48613 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-2	1045	18657	Wed	Russian diplo/intel. 11166 40023 48613 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-2	1200	11164	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB)



<b>F06</b>	22-2	1210	9164	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB-RUS)
<b>F06</b>	22-2	1220	7617	Wed	Russian diplo/intel. 11166 70202 25694 21034 02559	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0600	20072	Thu	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0610	18291	Thu	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0620	16071	Thu	Russian diplo/intel. 11166 40122 46381 18043 03639	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0700	11048	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0710	9244	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	0720	7319	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	1200	11164	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB)
<b>F06</b>	23-2	1210	9164	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	1220	7617	Thu	Russian diplo/intel. 11166 70202 85214 22035 02179 and 11166 70202 79462 22036 01999	FSK 200/1000	(AB-RUS)
<b>F06</b>	23-2	1330	19237	Thu	Russian diplo/intel. 11166 80214 74125 22099 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	23-2	1340	14979	Thu	Russian diplo/intel. 11166 80214 74125 22099 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	23-2	1350	12205	Thu	Russian diplo/intel. 11166 80214 74125 22099 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	24-2	0700	11048	Fri	Russian diplo/intel. 11166 70202 74158 24014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	24-2	0710	9244	Fri	Russian diplo/intel. 11166 70202 74158 24014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	24-2	0720	7319	Fri	Russian diplo/intel. 11166 70202 74158 24014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	25-2	1400	7954	Sat	Russian diplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB)
<b>F06</b>	25-2	1410	5452	Sat	Russian diplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB-FIN)
<b>F06</b>	25-2	1420	4035	Sat	Russian diplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB-FIN)
<b>F06</b>	26-2	1030	10687	Sun	Russian siplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB-RUS)
<b>F06</b>	26-2	1040	7992	Sun	Russian siplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB-RUS)
<b>F06</b>	26-2	1050	5913	Sun	Russian siplo/intel. 11100 00000 92541 22065 01959	FSK 200/1000	(AB-RUS)
<b>F06</b>	26-2	1530	14983	Sun	Russian diplo/intel. 11166 10053 54879 26075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	26-2	1540	13379	Sun	Russian diplo/intel. 11166 10053 54879 26075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	26-2	1550	10948	Sun	Russian diplo/intel. 11166 10053 54879 26075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	27-2	0700	11048	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB)
<b>F06</b>	27-2	0710	9244	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB)
<b>F06</b>	27-2	0720	7319	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB)
<b>F06</b>	27-2	1200	11164	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB-RUS)
<b>F06</b>	27-2	1210	9164	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB-RUS)
<b>F06</b>	27-2	1220	7617	Mon	Russian diplo/intel. 11166 70202 86314 22037 02039	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-2	0700	11048	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB)
<b>F06</b>	28-2	0710	9244	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB)
<b>F06</b>	28-2	0720	7319	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB)
<b>F06</b>	28-2	1200	11164	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-2	1210	9164	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-2	1220	7617	Tue	Russian diplo/intel. 11166 70202 51274 27038 02239 and 11166 70202 32597 27039 01939	FSK 200/1000	(AB-RUS)
<b>F06</b>	28-2	1650	13377	Tue	Russian diplo/intel. 11166 10053 85462 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	28-2	1700	12225	Tue	Russian diplo/intel. 11166 10053 85462 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	28-2	1710	9139	Tue	Russian diplo/intel. 11166 10053 85462 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06a</b>	2-2	0500	4031	Thu	Russian diplo/intel. File 04466 (binary contents)	FSK 200/10000	(AB)

[illegible]

<b>F06a</b>	25-2	1515	22877	Sat	Russian diplo/intel. File 04460 (binary contents)	FSK 200/1000	(AB/MPJ)
<b>F06a</b>	25-2	1530	20599	Sat	Russian diplo/intel. File 04460 (binary contents)	FSK 200/1000	(AB/MPJ)
<b>F06a</b>	26-2	1500	24863	Sun	Russian diplo/intel. File 04460 (binary contents)	FSK 200/1000	(AB/MPJ)
<b>F06a</b>	26-2	1515	22877	Sun	Russian diplo/intel. File 04460 (binary contents)	FSK 200/1000	(AB/MPJ)
<b>F06a</b>	26-2	1530	20599	Sun	Russian diplo/intel. File 04460 (binary contents)	FSK 200/1000	(AB/MPJ)
<b>F07</b>	7-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	7-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	7-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	7-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	7-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	7-2	2150	5437	Tue	Russian intel. Off after 5 secs	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	9-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	14-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	16-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	21-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2100	8152	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2110	7934	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2120	7694	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2130	7454	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2140	6877	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	23-2	2150	5437	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-2	2100	8152	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)



<b>F07</b>	28-2	2110	7934	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-2	2120	7694	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-2	2130	7454	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-2	2140	6877	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	28-2	2150	5437	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>G06b</b>	17-2	1620	11073	Fri	352 78542 981 30 00971 14195 36942 ... 49244 20658 03788 981 30 00000	USB	(Subilo)
<b>HM01</b>	1-2	1713	11530	Wed	35081 76779 74436 67334 22865 41377 Files 26203508.TXT 14867677.TXT 77407443.TXT 50336733.F1C 14312286.TXT 36724137.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	2-2	1645	11435	Thu	35081 76779 74436 67334 22865 41377 (repeat of 1 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	3-2	1605	11435	Fri	35081 76779 74436 67334 22865 41377 (repeat of 1 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	5-2	1729	11530	Sun	27616 84684 12561 70501 50251 45813 Files 41582761.TXT 74458468.TXT 08821256.TXT 78107050.TXT 76135025.TXT 82014581.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	6-2	1658	11435	Mon	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	6-2	1702	11530	Mon	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	7-2	1652	11530	Tue	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	7-2	1800	11635	Tue	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(RR2)
<b>HM01</b>	8-2	1645	11435	Wed	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	9-2	1000	12180	Thu	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB)
<b>HM01</b>	9-2	1645	11435	Thu	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	9-2	1840	11635	Thu	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(RR2)
<b>HM01</b>	10-2	1625	11435	Fri	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(AB-USA)
<b>HM01</b>	12-2	1630	11435	Sun	27616 84684 12561 70501 50251 45813	AM/WinDRM	(AB-USA)
<b>HM01</b>	12-2	1735	11530	Sun	27616 84684 12561 70501 50251 45813	AM/WinDRM	(RR2)
<b>HM01</b>	13-2	1616	11435	Mon	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(RR2)
<b>HM01</b>	14-2	1612	11530	Tue	27616 84684 12561 70501 50251 45813 (repeat of 5 Feb)	AM/WinDRM	(RR2)
<b>HM01</b>	15-2	1656	11530	Wed	06256 43135 31572 12669 46333 25534 Files 00130625.TXT 50074313.F1C 75743157.TXT 50151266.TXT 38574633.TXT 47642553.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	15-2	1730	11530	Wed	06256 43135 31572 12669 46333 25534	AM/WinDRM	(RR2)
<b>HM01</b>	16-2	1700	11530	Thu	16257 43136 31573 52271 46334 25535 Files 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	16-2	1818	11635	Thu	16257 43136 31573 52271 46334 25535	AM/RDFT	(RR2)
<b>HM01</b>	17-2	1610	11435	Fri	06258 43137 31574 52271 46335 25536 Files 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	18-2	1833	11635	Sat	06259 43138 31575 52272 46336 25537 Files 00130625.TXT 50074313.F1C 75743157.TXT 71305227.TXT 38574633.TXT 47642553.TXT Callsign: QWERTY01	AM/RDFT	(AB)
<b>HM01</b>	19-2	1805	11635	Sun	81101 55651 31576 52273 46337 03251 Files 18678110.TXT 36505565.TXT 75743157.TXT 71305227.TXT 38574633.TXT 27750325.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
<b>HM01</b>	20-2	1700	11530	Mon	81101 55651 31577 52274 46338 03251 File 18678110.TXT 36505565.TXT 75743157.TXT 71305227.TXT 38574633.TXT 27750325.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA/RR2)
<b>HM01</b>	21-2	1604	11435	Tue	81103 55653 12201 52276 67501 03253, then many different groups with 2 different files were sent. Callsign: QWERTY01	AM/WinDRM	(AB-USA)

HM01	22-2	1645	11435	Wed	81105 55655 12203 52278 67502 03255 followed by many groups. File 27750325.TXT after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	22-2	1659	11530	Wed	81105 55655 12203 52278 67502 03255	AM/WinDRM	(AB-USA)
HM01	23-2	1645	11435	Thu	81107 55657 12205 10161 67504 03257 then many different groups; file 27750325.TXT sent after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	23-2	1652	11530	Thu	81107 55657 12205 10161 67504 03257	AM/WinDRM	(AB-USA)
HM01	24-2	1629	11435	Fri	07271 05071 12207 10163 67506 03259, then 15 different groups followed by WinDRM. File 27750325.TXT sent after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	24-2	1652	11530	Fri	07271 05071 12207 10163 67506 03259 switches to 11635 kHz at 1748z	AM/WinDRM	(AB-USA)
HM01	24-2	1748	11635	Fri	07271 05071 12207 10163 67506 03259	AM/WinDRM	(AB-USA)
HM01	25-2	1730	11530	Sat	07271 05071 12207 10163 67506 03259 Switched to 11635 kHz at 1750z	AM/WinDRM	(AB-USA)
HM01	25-2	1750	11635	Sat	07271 05071 12207 10163 67506 03259, then 11 different groups followed by WinDRM. File 27750325.TXT sent after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	26-2	1625	11435	Sun	07271 05071 12207 10163 67506 03259, then 21 groups followed by WinDRM. File 27750325.TXT sent after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA/RR2)
HM01	27-2	0900	9240	Mon	07271 05071 12207 10163 67506 03259	AM/WinDRM	(AB)
HM01	27-2	1640	11435	Mon	07271 05071 12207 10163 67506 03259 then 21 groups followed by WinDRM. File 27750325.TXT sent after each group. Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	27-2	1657	11530	Mon	07271 05071 12207 10163 67506 03259	AM/WinDRM	(AB-USA)
HM01	28-2	2100	16180	Tue	Carrier only, also at 2130z. Switched to 17480 kHz at 2152z	AM/WinDRM	(AB-USA)
HM01	28-2	2152	17480	Tue	Carrier only	AM/WinDRM	(AB-USA)
M01	2-2	1800	5320	Thu	197 891 891 30 30 == 64789 10928 48789 ... 36456 38723 35343 == 891 891 30 30 000	CW	(AB/MPJ)
M01	4-2	0715	9566	Sat	475 263 263 50 50 == 70298 39867 19334 ... 04067 17826 61650 == 263 263 50 50 000	USB	(VSh)
M01	4-2	1500	5810	Sat	197 643 643 30 30 == 76856 35462 46738 ... == 643 643 30 30 0..... 0..... 0..... Running all groups together. Many mistakes. Another mess	CW	(AB/MPJ)
M01	5-2	0658	5465	Sun	VVV 197 845 845 30 30 == 87967 65748 64756 ... 34546 87697 45637 == 845 845 30 30 000	CW	(AB)
M01	5-2	0715	9566	Sun	475 263 263 50 50 == 70298 39867 19334 ... 04067 17826 61650 == 263 263 50 50 000	USB	(AB-FIN/VSh)
M01	7-2	1800	5320	Tue	197 813 813 30 30 == 57185 65843 80561 ... 00983 35441 73654 813 813 30 30 000	CW	(AB)
M01	7-2	2000	4490	Tue	197 997 997 30 30 == 14061 86999 89426 ... 27418 38894 44342 == 997 997 30 30 000	CW	(AB)
M01	9-2	1800	5320	Thu	197 321 321 30 30 == 45364 47564 16253 ... 56376 25354 == 321 321 30 30 0..... 0..... 0..... Running all groups together. Many mistakes.	CW	(AB)
M01	9-2	2000	4490	Thu	197 878 878 30 30 == running all groups together. Many mistakes == 878 878 30 30 0..... 0..... 0.....	CW	(AB)
M01	11-2	0715	9566	Sat	475 801 801 50 50 == 87486 59819 81981 ... 74198 92101 01901 == 801 801 50 50 000	USB	(AB-POL)
M01	11-2	1500	5810	Sat	197 563 563 30 30 == 75893 09176 15267 ... 81716 61541 09176 == 563 563 30 30 000	CW	(AB)
M01	12-2	0658	5465	Sun	197 812 812 30 30 == 64826 09171 61526 ... 12981769176 091798711651651 == 812 812 30 30 000 Good start but a mess after group 28.	CW	(AB)
M01	12-2	0715	9566	Sun	475 801 801 50 50 == 87486 59819 81981 ... 74198 92101 01901 == 801 801 50 50 000	USB	(AB-FIN/VSh)
M01	16-2	1800	5320	Thu	197 321 321 321 30 30 == 35813 94761 25901 ... 51715 26281 39561 == 30 30 321 321 000	CW	(AB/MPJ)
M01	16-2	2000	4490	Thu	197 913 913 30 30 == 53590 42815 60917 ... 13591 63816 95716 == 30 30 913 913 000	CW	(AB)
M01	18-2	0715	9566	Sat	475 900 900 50 50 == 11042 62444 55272 ... 79886 97001 63292 == 900 900 50 50 000	USB	(AB-FIN)
M01	18-2	1500	5810	Sat	197 305 305 30 30 == 80900 13243 47688 ... 10198 09878 46655 == 305 305 30 30 000	CW	(AB)

<b>M01</b>	19-2	0658	5465	Sun	197 364 364 30 30 = = 46576 14233 47689 ... 68799 46533 11223 = = 364 364 30 30 000	CW	(AB)
<b>M01</b>	19-2	0715	9566	Sun	475 900 900 50 50 = = 11042 62444 55272 ... 79886 97001 63292 = = 900 900 50 50 000	USB	(AB-FIN)
<b>M01</b>	21-2	1800	5320	Tue	197 713 713 30 30 = = 26713 49814 07305 ... 01720 95285 91685 = = 30 30 713 713 000	CW	(AB/MPJ)
<b>M01</b>	21-2	2000	4490	Tue	197 630 630 30 30 = = 31572 94816 49715 ... 60805 38092 06342 630 630 30 30 = = 000	CW	(AB)
<b>M01</b>	23-2	1800	5320	Thu	197 716 716 30 30 = = 36517 75847 87165 ... 98163 15436 16517 = 716 716 30 30 000	CW	(AB)
<b>M01</b>	23-2	2000	4490	Thu	197 362 362 30 30 = = 84763 91881 01811 ... 87165 98165 26514 = = 362 362 30 30 000	CW	(AB)
<b>M01</b>	25-2	0715	9566	Sat	475 110 110 50 50 = = largely unreadable 86673 11152 14232 110 110 50 50 = = 00000	USB	(AB-FIN)
<b>M01</b>	25-2	1500	5810	Sat	Ran all groups together. Messy after gr 17. 197 967 967 30 30 = = 86756 23123 54657 ... 65766 64536 546 = = 967 967 30 30 0..... 0..... 0.....	CW	(AB/MPJ-HOL)
<b>M01</b>	26-2	0658	5465	Sun	197 546 546 30 30 = = 34254 54657 21323 ... 76879 54657 43546 = = 46 546 30 30 000	CW	(AB)
<b>M01</b>	26-2	0715	9566	Sun	475 110 110 50 50 = = largely unreadable 86673 11152 14232 110 110 50 50 = = 00000	USB	(AB-FIN)
<b>M01</b>	28-2	1800	5320	Tue	197 117 117 30 30 = = 12356 12365 78923 ... 53467 45667 98756 = = 30 30 117 117 000	CW	(AB)
<b>M01</b>	28-2	2000	4490	Tue	197 424 424 30 30 = = 56732 65498 75643 ... 94058 54637 58675 30 30 424 424 000	CW	(AB)
<b>M12</b>	1-2	0800	17415	Wed	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB)
<b>M12</b>	1-2	0820	18215	Wed	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB/RL)
<b>M12</b>	1-2	0840	18715	Wed	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB/RL)
<b>M12</b>	1-2	2000	7674	Wed	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	1-2	2020	6874	Wed	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	1-2	2040	5774	Wed	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	2-2	0300	17437	Thu	495 495 495 1 9315 190 9315 190 19703 24210 74198 ... 02384 29992 80386 000 000	CW	(PY/HFD-J)
<b>M12</b>	2-2	0320	15937	Thu	495 495 495 1 9315 190 9315 190 19703 24210 74198 ... 02384 29992 80386 000 000	CW	(PY/HFD-J)
<b>M12</b>	2-2	0340	14537	Thu	495 495 495 1 9315 190 9315 190 19703 24210 74198 ... 02384 29992 80386 000 000	CW	(PY/HFD-J)
<b>M12</b>	2-2	1110	13386	Thu	725 725 725 1 6739 92 6739 92 07495 12456 59587 ... 62293 61895 17386 000 000	CW	(AB)
<b>M12</b>	2-2	1130	12189	Thu	725 725 725 1 6739 92 6739 92 07495 12456 59587 ... 62293 61895 17386 000 000	CW	(AB)
<b>M12</b>	2-2	1150	11491	Thu	725 725 725 1 6739 92 6739 92 07495 12456 59587 ... 62293 61895 17386 000 000	CW	(AB/RL)
<b>M12</b>	2-2	1400	19373	Thu	341 341 341 1 433 109 433 109 65736 06845 69162 ... 05869 65861 15575 000 000	CW	(AB/RL/HFD-RUS)
<b>M12</b>	2-2	1420	17473	Thu	341 341 341 1 433 109 433 109 65736 06845 69162 ... 05869 65861 15575 000 000	CW	(AB/RL/HFD-RUS)
<b>M12</b>	2-2	1440	16173	Thu	341 341 341 1 433 109 433 109 65736 06845 69162 ... 05869 65861 15575 000 000	CW	(AB/RL/HFD-RUS)
<b>M12</b>	2-2	2300	9362	Thu	451 451 451 000	CW	(HFD)
<b>M12</b>	2-2	2320	8062	Thu	451 451 451 000	CW	(HFD)
<b>M12</b>	3-2	0030	5734	Fri	786 786 786 000	CW	(AB)
<b>M12</b>	3-2	0050	6834	Fri	786 786 786 000	CW	(AB)
<b>M12</b>	3-2	0900	15842	Fri	812 812 812 000	CW	(AB/HFD)
<b>M12</b>	3-2	0920	16142	Fri	812 812 812 000	CW	(AB/HFD)
<b>M12</b>	3-2	2000	7674	Fri	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	3-2	2020	6874	Fri	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	3-2	2040	5774	Fri	687 687 698 1 361 197 361 197 54245 53869 89879 ... 74386 73298 16312 000 000	CW	(AB)
<b>M12</b>	3-2	2200	5832	Fri	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB/HFD)
<b>M12</b>	3-2	2220	6832	Fri	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB/HFD)
<b>M12</b>	3-2	2240	7732	Fri	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB/HFD)
<b>M12</b>	4-2	1800	11435	Sat	938 938 938 1 2856 72 2856 72 79118 58745 83482 ... 11412 14050 70227 000 000	CW	(AB/MPJ)
<b>M12</b>	4-2	1820	10598	Sat	938 938 938 1 2856 72 2856 72 79118 58745 83482 ... 11412 14050 70227 000 000	CW	(AB/MPJ)

M12	4-2	1840	9327	Sat	938 938 938 1 2856 72 2856 72 79118 58745 83482 ... 11412 14050 70227 000 000	CW	(AB/MPJ)
M12	4-2	2200	5832	Sat	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB)
M12	4-2	2220	6832	Sat	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB)
M12	4-2	2240	7732	Sat	887 887 887 1 141 120 141 120 98963 54961 54511 ... 69119 23727 69916 000 000	CW	(AB)
M12	5-2	0800	17415	Sun	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB/HFD-RUS)
M12	5-2	0820	18215	Sun	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB/HFD-RUS)
M12	5-2	0840	18715	Sun	427 427 427 1 434 224 434 224 93523 00383 51287 ... 93945 59273 09119 000 000	CW	(AB/HFD-RUS)
M12	6-2	1230	12205	Mon	973 97 973 1 1440 61 1440 61 22070 85328 19580 ... 44049 73736 42716 000 000	CW	(AB)
M12	6-2	1250	13559	Mon	973 97 973 1 1440 61 1440 61 22070 85328 19580 ... 44049 73736 42716 000 000	CW	(AB)
M12	6-2	1310	14728	Mon	973 97 973 1 1440 61 1440 61 22070 85328 19580 ... 44049 73736 42716 000 000	CW	(AB)
M12	6-2	1400	19373	Mon	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ)
M12	6-2	1420	17473	Mon	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ)
M12	6-2	1440	16173	Mon	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ/RL)
M12	7-2	0030	5734	Tue	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB/HFD)
M12	7-2	0050	6834	Tue	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB/HFD)
M12	7-2	0110	7634	Tue	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB/HFD)
M12	7-2	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	7-2	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	8-2	0800	17415	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB/RL)
M12	8-2	0820	18215	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB/RL)
M12	8-2	0840	18715	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB/RL)
M12	8-2	2000	7674	Wed	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB)
M12	8-2	2020	6874	Wed	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB)
M12	8-2	2040	5774	Wed	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB)
M12	9-2	1110	13386	Thu	725 725 725 1 1593 91 1593 91 98656 63102 55340 ... 46088 41296 77387 000 000	CW	(AB)
M12	9-2	1130	12189	Thu	725 725 725 1 1593 91 1593 91 98656 63102 55340 ... 46088 41296 77387 000 000	CW	(AB)
M12	9-2	1150	11491	Thu	725 725 725 1 1593 91 1593 91 98656 63102 55340 ... 46088 41296 77387 000 000	CW	(AB)
M12	9-2	1400	19373	Thu	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ)
M12	9-2	1420	17473	Thu	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ)
M12	9-2	1440	16173	Thu	341 341 341 1 7632 97 7632 97 57727 66127 60508 ... 34343 64168 45317 000 000	CW	(AB/MPJ)
M12	10-2	0010	17461	Fri	418 418 418 1 ...	CW	(HFD-J)
M12	10-2	0030	5734	Fri	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB)
M12	10-2	0030	16161	Fri	418 418 418 1 ...	CW	(HFD-J)
M12	10-2	0050	6834	Fri	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB)
M12	10-2	0050	15861	Fri	418 418 418 1 ...	CW	(HFD-J)
M12	10-2	0110	7634	Fri	786 786 786 9630 188 9630 188 28576 22922 84505 ...	CW	(AB)
M12	10-2	0900	15842	Fri	812 812 812 000	CW	(AB/RL)
M12	10-2	0920	16142	Fri	812 812 812 000	CW	(AB/RL)
M12	10-2	2000	7674	Fri	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB/RL)
M12	10-2	2020	6874	Fri	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB/RL)
M12	10-2	2040	5774	Fri	687 687 687 1 158 201 158 201 53023 91570 20805 ... 65966 78880 99308 000 000	CW	(AB/RL)
M12	11-2	1800	11435	Sat	938 938 938 1 5283 79 5283 79 29654 62263 51245 ... 97269 65658 39834 000 000	CW	(AB/MPJ)

M12	11-2	1820	10598	Sat	938 938 938 1 5283 79 5283 79 29654 62263 51245 ... 97269 65658 39834 000 000	CW	(AB/MPJ)
M12	11-2	1840	9327	Sat	938 938 938 1 5283 79 5283 79 29654 62263 51245 ... 97269 65658 39834 000 000	CW	(AB/MPJ)
M12	12-2	0800	17415	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	12-2	0820	18215	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	12-2	0840	18715	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	13-2	1230	12205	Mon	973 973 973 1 2118 57 2118 57 36240 91329 69177 ... 52870 20027 15391 000 000	CW	(AB/MPJ)
M12	13-2	1250	13559	Mon	973 973 973 1 2118 57 2118 57 36240 91329 69177 ... 52870 20027 15391 000 000	CW	(AB/MPJ)
M12	13-2	1310	14728	Mon	973 973 973 1 2118 57 2118 57 36240 91329 69177 ... 52870 20027 15391 000 000	CW	(AB/MPJ)
M12	13-2	1400	19373	Mon	341 341 341 000	CW	(AB/RL/MPJ)
M12	13-2	1420	17473	Mon	341 341 341 000	CW	(AB/RL/MPJ)
M12	14-2	0030	5734	Tue	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	14-2	0050	6834	Tue	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	14-2	0110	7634	Tue	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	14-2	0900	15842	Tue	812 812 812 000	CW	(AB/RL)
M12	14-2	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	15-2	0800	17415	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	15-2	0820	18215	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	15-2	0840	18715	Wed	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	15-2	2000	7674	Wed	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB/MPJ)
M12	15-2	2020	6874	Wed	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB/MPJ)
M12	15-2	2040	5774	Wed	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB/MPJ)
M12	16-2	1110	13386	Thu	725 725 725 1 3437 90 3437 90 41850 99275 91375 ... 11595 71040 07261 000 000	CW	(AB/MPJ)
M12	16-2	1130	12189	Thu	725 725 725 1 3437 90 3437 90 41850 99275 91375 ... 11595 71040 07261 000 000	CW	(AB/MPJ)
M12	16-2	1150	11491	Thu	725 725 725 1 3437 90 3437 90 41850 99275 91375 ... 11595 71040 07261 000 000	CW	(AB/MPJ)
M12	16-2	1400	19373	Thu	341 341 341 000	CW	(AB/MPJ)
M12	16-2	1420	17473	Thu	341 341 341 000	CW	(AB/MPJ)
M12	17-2	0030	5734	Fri	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	17-2	0050	6834	Fri	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	17-2	0110	7634	Fri	786 786 786 1 278 204 278 204 61213 63502 13647 ... 66489 28929 11836 000 000	CW	(AB)
M12	17-2	0900	15842	Fri	812 812 812 000	CW	(AB/RL)
M12	17-2	0920	16142	Fri	812 812 812 000	CW	(AB/RL)
M12	17-2	2000	7674	Fri	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB)
M12	17-2	2020	6874	Fri	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB)
M12	17-2	2040	5774	Fri	687 687 687 1 8840 96 8840 97 90279 07650 72961 ... 80376 57064 67426 000 000	CW	(AB)
M12	17-2	2200	5832	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	17-2	2220	6832	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	17-2	2240	7732	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	18-2	1800	11435	Sat	938 938 938 1 4676 76 4676 76 84916 12807 54007 ... 04311 05342 07544 000 000	CW	(AB)
M12	18-2	1820	10598	Sat	938 938 938 1 4676 76 4676 76 84916 12807 54007 ... 04311 05342 07544 000 000	CW	(AB)
M12	18-2	1840	9327	Sat	938 938 938 1 4676 76 4676 76 84916 12807 54007 ... 04311 05342 07544 000 000	CW	(AB)
M12	18-2	2200	5832	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	18-2	2220	6832	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)



M12	18-2	2240	7732	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	19-2	0800	17415	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	19-2	0820	18215	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	19-2	0840	18715	Sun	427 427 427 1 420 248 420 248 73575 78477 81637 ... 92801 33260 38150 000 000	CW	(AB)
M12	20-2	1230	12205	Mon	973 973 973 1 2253 63 2253 63 96964 75709 72736 ...84444 91627 24207 000 000	CW	(AB)
M12	20-2	1250	13559	Mon	973 973 973 1 2253 63 2253 63 96964 75709 72736 ...84444 91627 24207 000 000	CW	(AB)
M12	20-2	1310	14728	Mon	973 973 973 1 2253 63 2253 63 96964 75709 72736 ...84444 91627 24207 000 000	CW	(AB)
M12	20-2	1400	19373	Mon	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	20-2	1420	17473	Mon	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	20-2	1440	16173	Mon	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	21-2	0030	5734	Tue	786 786 786 000	CW	(AB)
M12	21-2	0050	6834	Tue	786 786 786 000	CW	(AB)
M12	21-2	0900	15842	Tue	812 812 812 000	CW	(AB)
M12	21-2	0920	16142	Tue	812 812 812 000	CW	(AB)
M12	22-2	0800	17415	Wed	427 427 427 000	CW	(AB)
M12	22-2	0820	18215	Wed	427 427 427 000	CW	(AB)
M12	22-2	2000	7674	Wed	687 687 687 000	CW	(AB)
M12	22-2	2020	6874	Wed	687 687 687 000	CW	(AB)
M12	23-2	1110	13386	Thu	725 725 725 1 3033 93 3033 93 22074 63774 67774 ... 46500 46297 29382 000 000	CW	(AB)
M12	23-2	1130	12189	Thu	725 725 725 1 3033 93 3033 93 22074 63774 67774 ... 46500 46297 29382 000 000	CW	(AB)
M12	23-2	1150	11491	Thu	725 725 725 1 3033 93 3033 93 22074 63774 67774 ... 46500 46297 29382 000 000	CW	(AB)
M12	23-2	1400	19373	Thu	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	23-2	1420	17473	Thu	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	23-2	1440	16173	Thu	341 341 341 1 5998 173 5998 173 89610 51253 45394 ... 32189 17914 48873 000 000	CW	(AB/MPJ)
M12	23-2	2000	9362	Thu	451 451 451 000	CW	(RL)
M12	23-2	2020	8062	Thu	451 451 451 000	CW	(RL)
M12	24-2	0030	5734	Fri	786 786 786 000	CW	(AB)
M12	24-2	0050	6834	Fri	786 786 786 000	CW	(AB)
M12	24-2	0900	15842	Fri	812 812 812 000	CW	(AB)
M12	24-2	0920	16142	Fri	812 812 812 000	CW	(AB)
M12	24-2	2000	7674	Fri	687 687 687 000	CW	(AB)
M12	24-2	2020	6874	Fri	687 687 687 000	CW	(AB)
M12	24-2	2200	5832	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	24-2	2220	6832	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	24-2	2240	7732	Fri	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB)
M12	25-2	1800	11435	Sat	938 938 938 1 2503 75 2503 75 47551 00494 15179 ... 21725 95117 15352 000 000	CW	(AB)
M12	25-2	1820	10598	Sat	938 938 938 1 2503 75 2503 75 47551 00494 15179 ... 21725 95117 15352 000 000	CW	(AB)
M12	25-2	1840	9327	Sat	938 938 938 1 2503 75 2503 75 47551 00494 15179 ... 21725 95117 15352 000 000	CW	(AB)
M12	25-2	2200	5832	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB/RL)
M12	25-2	2220	6832	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB/RL)
M12	25-2	2240	7732	Sat	887 887 887 1 213 106 213 106 49740 64763 18182 ... 55973 08098 11619 000 000	CW	(AB/RL)
M12	26-2	0800	17415	Sun	427 427 427 000	CW	(AB)

<b>M12</b>	26-2	0820	18215	Sun	427 427 427 000	CW	(AB)
<b>M12</b>	27-2	1230	12205	Mon	973 973 973 1 6966 60 6966 60 31915 32595 25830 ... 74895 74545 02348 000 000	CW	(AB)
<b>M12</b>	27-2	1250	13559	Mon	973 973 973 1 6966 60 6966 60 31915 32595 25830 ... 74895 74545 02348 000 000	CW	(AB)
<b>M12</b>	27-2	1310	14728	Mon	973 973 973 1 6966 60 6966 60 31915 32595 25830 ... 74895 74545 02348 000 000	CW	(AB)
<b>M12</b>	27-2	1400	19373	Mon	341 341 341 1 000	CW	(AB)
<b>M12</b>	27-2	1420	17473	Mon	341 341 341 1 000	CW	(AB)
<b>M12</b>	27-2	2300	9362	Mon	451 451 451 1 6767 162 6767 162 13542 86084 78781 ... 72800 62260 43997 000 000	CW	(RL)
<b>M12</b>	27-2	2320	8062	Mon	451 451 451 1 6767 162 6767 162 13542 86084 78781 ... 72800 62260 43997 000 000	CW	(RL)
<b>M12</b>	27-2	2340	7462	Mon	451 451 451 1 6767 162 6767 162 13542 86084 78781 ... 72800 62260 43997 000 000	CW	(RL)
<b>M12</b>	28-2	0030	5734	Tue	786 786 786 1 332 108 332 108 ...	CW	(AB)
<b>M12</b>	28-2	0050	6834	Tue	786 786 786 1 332 108 332 108 ...	CW	(AB)
<b>M12</b>	28-2	0110	7634	Tue	786 786 786 1 332 108 332 108 ...	CW	(AB)
<b>M12</b>	28-2	0900	15842	Tue	812 812 812 000	CW	(AB)
<b>M12</b>	28-2	0920	16142	Tue	812 812 812 000	CW	(AB)
<b>M14</b>	1-2	0500	12211	Wed	952 601 601 55 55 = = 74663 36963 06317 ... 71384 08210 04175 = = 601 601 55 55 00000	CW	(Subilo)
<b>M14</b>	1-2	0520	10243	Wed	No transmission	CW	(AB-J)
<b>M14</b>	2-2	0500	12211	Thu	952 734 734 57 57 = = 53463 28507 27615 ... 67092 24924 98580 = = 734 734 57 57 00000	CW	(AB-J)
<b>M14</b>	2-2	0520	10243	Thu	952 734 734 57 57 = = 53463 28507 27615 ... 67092 24924 98580 = = 734 734 57 57 00000	CW	(AB-J)
<b>M14</b>	3-2	0520	10243	Fri	952 681 681 63 63 = = 35465 48271 61464 ... 53549 96189 68327 = = 681 681 63 63 00000	CW	(AB-J)
<b>M14</b>	3-2	0520	12211	Fri	952 681 681 63 63 = = 35465 48271 61464 ... 53549 96189 68327 = = 681 681 63 63 00000	CW	(Subilo)
<b>M14</b>	6-2	0500	12211	Mon	952 703 703 51 51 = = 44584 57024 18257 ... 82407 41732 20154 = = 703 703 51 51 00000	CW	(Subilo)
<b>M14</b>	6-2	0520	10243	Mon	952 703 703 51 51 = = 44584 57024 18257 ... 82407 41732 20154 = = 703 703 51 51 00000	CW	(AB-J)
<b>M14</b>	7-2	0500	12211	Tue	952 481 481 52 52 = = 21201 33066 30586 ... 25136 23843 35224 = = 481 481 52 52 00000. Several restarts	CW	(Subilo)
<b>M14</b>	7-2	0521	10243	Tue	off during callup then into preamble 952 481 481 52 52 = = 21201 33066 30586 ... 60970 75518 7 Off	CW	(PY)
<b>M14</b>	8-2	0500	12211	Wed	952 603 603 51 51 = = 28746 19029 77063 ... 15178 99915 82507 Off after 45 groups	CW	(AB-J)
<b>M14</b>	8-2	0520	10243	Wed	952 603 603 51 51 = = 28746 19029 77063 ... 65190 67092 29788 = = 603 603 51 51 00000	CW	(AB-J)
<b>M14</b>	9-2	0504	12211	Thu	Started late with inverted morse. Off at 0505z	CW	(AB-J)
<b>M14</b>	9-2	0522	10243	Thu	952 174 174 60 60 = = 84654 65799 30074 ... 02996 72500 29523. Started late. Off after 37 groups	CW	(AB-J)
<b>M14</b>	10-2	0500	12211	Fri	Carrier till 0505z then 952 683 683 52 52 = = 37884 95205 70292 ... 02187 00206 13515 = = 683 683 52 52 00000	CW	(AB-J)
<b>M14</b>	10-2	0520	10243	Fri	952 683 683 52 52 = = 37884 95205 70292 ... 02187 00206 13515 = = 683 683 52 52 00000	CW	(AB-J)
<b>M14</b>	13-2	0504	12211	Mon	952 710 710 51 51 = = 01896 36257 90280 ... 05141 45980 11469 = = 717 710 51 51 00000 Late start	CW	(AB-J)
<b>M14</b>	13-2	0520	10243	Mon	952 710 710 51 51 = = 01896 36257 90280 ... 05141 45980 11469 = = 717 710 51 51 00000	CW	(AB-J)
<b>M14</b>	14-2	0500	12211	Tue	952 486 486 51 51 = = 01896 36257 90280 ... 05141 45980 11469 = = 486 486 51 51 00000	CW	(AB-J)
<b>M14</b>	14-2	0520	10243	Tue	952 486 486 51 51 = = 01896 36257 90280 ... 05141 45980 11469 = = 486 486 51 51 00000	CW	(AB-J)
<b>M14</b>	15-2	0501	12211	Wed	Late start. 952 (R 13m), then off	CW	(AB-J)
<b>M14</b>	15-2	0520	10243	Wed	Inverted morse. Unreadable	CW	(AB-J)
<b>M14</b>	16-2	0504	12211	Thu	952 478 478 51 51 = = 57553 51200 35867 ... 70996 07012 44239 = = 478 478 51 51 00000	CW	(AB-J)

<b>M14</b>	16-2	0520	10243	Thu	952 478 478 51 51 = = 57553 51200 35867 ... 70996 07012 44239 = = 478 478 51 51 00000	CW	(AB-J)
<b>M14</b>	17-2	0507	12211	Fri	952 361 361 52 52 = = 78498 88723 37548 ... 17174 31906 29372 = = 361 361 52 52 00000 Late start	CW	(AB-J)
<b>M14</b>	17-2	0523	10243	Fri	952 361 361 52 52 = = 78498 88723 37548 ... 17174 31906 29372 = = 361 361 52 52 00000 Late start	CW	(AB-J)
<b>M14</b>	20-2	0501	12211	Mon	952 780 780 53 53 = = 47256 14435 68418 ... 32708 01797 42208 = = 780 780 53 53 00000 Late start	CW	(AB-J)
<b>M14</b>	20-2	0520	10243	Mon	952 780 780 53 53 = = 47256 14435 68418 ... 32708 01797 42208 = = 780 780 53 53 00000	CW	(AB-J)
<b>M14</b>	21-2	0500	12211	Tue	952 461 461 55 55 = = 20168 05402 21283 ... 16864 40188 87591 = = 461 461 55 55 00000	CW	(AB-J)
<b>M14</b>	21-2	0520	10243	Tue	952 461 461 55 55 = = 20168 05402 21283 ... 16864 40188 87591 = = 461 461 55 55 00000	CW	(AB-J)
<b>M14</b>	21-2	1430	10463	Tue	801 679 679 52 52 = = 27143 67096 54617 ... 03351 46642 34855 = = 679 679 52 52 00000	CW	(AB/VSh/T101/PY)
<b>M14</b>	27-2	0500	12211	Mon	952 307 307 56 56 = = 31591 89258 26013 ... 46097 57325 74212 = = 307 307 56 56 00000	CW	(Subilo)
<b>M14</b>	27-2	0520	10243	Mon	952 307 307 56 56 = = 31591 89258 26013 ... 46097 57325 74212 = = 307 307 56 56 00000	CW	(PY)
<b>M14</b>	28-2	0504	12211	Tue	952 140 140 52 52 = = 23640 75834 94197 ... 55983 62353 35197 = = 140 140 52 52 00000 Off after group 15	CW	(AB-J)
<b>M14</b>	28-2	0520	10243	Tue	952 140 140 52 52 = = 23640 75834 94197 ... 55983 62353 35197 = = 140 140 52 52 00000	CW	(AB-J)
<b>M21</b>	9-2	0546	7450	Thu	1000 1055 8752 46 1000 2055 8072 46 2000 290 110 0934 1000 3055 8073 48 1000 ...	CW	(Mario-J)
<b>M23</b>	1-2	0556	5345	Wed	Hourly beep	CW	(AB)
<b>M23</b>	2-2	0456	5345	Thu	Hourly beep	CW	(AB)
<b>M23</b>	3-2	0556	5345	Fri	Hourly beep	CW	(AB)
<b>M23</b>	4-2	0656	5345	Sat	Hourly beep	CW	(AB)
<b>M23</b>	5-2	0856	5345	Sun	Hourly beep	CW	(AB)
<b>M23</b>	6-2	0556	5345	Mon	Hourly beep	CW	(AB)
<b>M23</b>	7-2	1456	5345	Tue	Hourly beep	CW	(AB)
<b>M23</b>	7-2	1657	5345	Tue	Hourly beep	CW	(AB)
<b>M23</b>	8-2	0656	5345	Wed	Hourly beep	CW	(AB)
<b>M23</b>	9-2	0456	5345	Thu	Hourly beep	CW	(AB)
<b>M23</b>	10-2	0556	5345	Fri	Hourly beep	CW	(AB)
<b>M23</b>	11-2	0756	5345	Sat	Hourly beep	CW	(AB)
<b>M23</b>	12-2	0956	5345	Sun	Hourly beep	CW	(AB)
<b>M23</b>	13-2	0756	5345	Mon	Hourly beep	CW	(AB)
<b>M23</b>	14-2	0556	5345	Tue	Hourly beep	CW	(AB)
<b>M23</b>	15-2	0456	5345	Wed	Hourly beep	CW	(AB)
<b>M23</b>	16-2	0456	5345	Thu	Hourly beep	CW	(AB)
<b>M23</b>	17-2	0556	5345	Fri	Hourly beep	CW	(AB)
<b>M23</b>	18-2	0756	5345	Sat	Hourly beep	CW	(AB)
<b>M23</b>	19-2	0656	5345	Sun	Hourly beep	CW	(AB)
<b>M23</b>	20-2	0656	5345	Mon	Hourly beep	CW	(AB)
<b>M23</b>	21-2	0656	5345	Tue	Hourly beep	CW	(AB)
<b>M23</b>	22-2	0556	5345	Wed	Hourly beep	CW	(AB)
<b>M23</b>	23-2	0656	5345	Thu	Hourly beep	CW	(AB)
<b>M23</b>	24-2	0556	5345	Fri	Hourly beep	CW	(AB)



<b>M23</b>	25-2	0656	5345	Sat	Hourly beep	CW	(AB)
<b>M23</b>	26-2	0656	5345	Sun	Hourly beep	CW	(AB)
<b>M23</b>	27-2	0556	5345	Mon	Hourly beep	CW	(AB)
<b>M23</b>	28-2	0556	5345	Tue	Hourly beep	CW	(AB)
<b>M32</b>	20-2	2017	5404	Mon	UUUUU RDL RDL RDL 62104 00121 62104 00121 62104 00121 K	CW	(JPL-RUS)
<b>M32</b>	21-2	1135	17460	Tue	UUUUU RDL RDL RDL 26267 94469 26267 94469 26267 94469 K	FSK CW	(AB)
<b>M32</b>	21-2	1350	17460	Tue	UUUUU RDL RDL RDL 42721 18681 42721 18681 42721 18681 K	FSK CW	(AB)
<b>M32</b>	21-2	1426	17460	Tue	UUUUU RDL RDL RDL 62502 85456 62502 85456 62502 85456 K	FSK CW	(AB)
<b>M32</b>	21-2	1439	17460	Tue	UUUUU RDL RDL RDL 15215 73514 15215 73514 15215 73514 K	FSK CW	(AB)
<b>M32</b>	21-2	1440	17460	Tue	UUUUU RDL RDL RDL 45451 58012 45451 58012 45451 58012 K	FSK CW	(AB)
<b>M32</b>	21-2	1440	17460	Tue	UUUUU RDL RDL RDL 33811 32864 33811 32864 33811 32864 K	FSK CW	(AB)
<b>M32</b>	21-2	1517	17460	Tue	UUUUU RDL RDL RDL 27196 79554 27196 79554 27196 79554 K	FSK CW	(AB)
<b>M32</b>	21-2	1617	17460	Tue	UUUUU RDL RDL RDL 22712 83129 22712 83129 22712 83129 K	FSK CW	(AB)
<b>M32</b>	21-2	1628	17460	Tue	UUUUU RDL RDL RDL 72666 68881 72666 68881 72666 68881 K	FSK CW	(AB)
<b>M42</b>	1-2	1057	17440	Wed	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	6-2	0759	12120	Mon	Russian diplo	MFSK-66	(AB)
<b>M42</b>	7-2	0752	16197	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	7-2	0935	13399	Tue	Russian embassy Rom msg to MFA Moscow	MFSK-66	(AB/RO)
<b>M42</b>	7-2	0936	14952	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	7-2	1000	12164	Tue	Russian diplo	OFDM-45	(AB)
<b>M42</b>	13-2	0830	17475	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	0859	11525	Mon	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	13-2	0940	13459	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	1130	14946	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	1140	9954	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	1200	25331	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	1210	22988	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	13-2	1220	20187	Mon	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7 then MFSK-7 200/400	FSK + MFSK-7	(AB)
<b>M42</b>	14-2	0600	6851	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	0610	14596	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	0630	23372	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	0710	14859	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	0810	16255	Tue	Russian diplo	MFSK-66	(AB/Dave)
<b>M42</b>	14-2	1030	15803	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	1045	16309	Tue	Russian diplo	MFSK-66	(AB)
<b>M42</b>	14-2	1100	25331	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	14-2	1120	20795	Tue	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	15-2	0600	6851	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	15-2	0610	14596	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	15-2	0620	20775	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	15-2	0630	23372	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	15-2	0710	14859	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)

[illegible]

M42	15-2	1630	7514	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	15-2	1700	10339	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	15-2	1710	9050	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	15-2	1720	7802	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	15-2	1730	5746	Wed	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0600	6851	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0610	14596	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0620	20775	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0630	23372	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0640	25403	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0700	9954	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0710	14859	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0720	22923	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0730	25323	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0740	24795	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0800	25323	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0810	24795	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0820	23038	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0830	17475	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0840	10787	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0900	23038	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0910	25467	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0920	20803	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0930	18259	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0940	13459	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	0955	18195	Thu	MFA Moscow message to Russian Consulate General Ho Chi Minh City	MFSK-66	(AB/RXR)
M42	16-2	1000	23038	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1010	25331	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1020	20651	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1030	15803	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1040	10483	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1100	25331	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1120	20795	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1130	14946	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1140	9954	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1200	25331	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1210	22988	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1220	20187	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1230	17493	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(Bilka)
M42	16-2	1240	7924	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(Bilka)
M42	16-2	1300	23067	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
M42	16-2	1310	20451	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)

<b>M42</b>	16-2	1320	17459	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1330	13499	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1340	7749	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(Bilka)
<b>M42</b>	16-2	1500	17451	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1510	14402	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1520	12211	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1530	9195	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1540	7547	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1600	13876	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1610	11451	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1620	9922	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1630	7514	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1640	5371	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1700	10339	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1710	9050	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1720	7802	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1730	5746	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	16-2	1740	3874	Thu	Russian intel. F06: 11145 67890 23456 78901 34567, then MFSK-7, then MFSK-7 200/400	FSK+MFSK-7	(AB)
<b>M42</b>	17-2	0920	14829	Fri	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	17-2	1019	16302	Fri	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	20-2	0738	12122	Mon	Russian diplo	MFSK-66	(RXR)
<b>M42</b>	21-2	0858	12153	Tue	Russian diplo	MFSK-66	(AB/RXR)
<b>M42</b>	21-2	0921	13401	Tue	Russian diplo	MFSK-66	(RXR)
<b>M42</b>	21-2	1134	17419	Tue	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	21-2	1157	17419	Tue	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	27-2	0828	17466	Mon	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	27-2	0901	10134	Mon	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	27-2	0909	13423	Mon	Russian diplo	MFSK-66	(AB/RO)
<b>M51a</b>	18-2	0759	3881	Sat	VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
<b>M51a</b>	18-2	0759	6825	Sat	VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
<b>M51a</b>	18-2	1018	3881	Sat	VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
<b>M51a</b>	18-2	1018	6825	Sat	VVV VVV DE FAV22 FAV22 FAV2 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
<b>M51b</b>	17-2	1854	3881	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	17-2	1854	6825	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M89</b>	8-2	1546	4253	Wed	i.p. TT63 DNUU 5434 T577 765T NTN4 T4D7 ...	CW	(JPL)
<b>M89</b>	8-2	1552	4508	Wed	V 9GWQ (x3) DE J2PX (x2)	CW	(JPL)
<b>M89</b>	8-2	1604	3565	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
<b>M89</b>	8-2	1604	4718	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)



M89	8-2	1620	4860	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	8-2	1620	6840	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	8-2	1630	4720	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	8-2	1630	5150	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	8-2	1632	4726	Wed	V QPL(x3) DE 4WQ (x2) (R5) QSA ? K	CW	(JPL)
M89	15-2	1843	3565	Wed	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	15-2	1844	4508	Wed	V 9GWQ (x3) DE J2PX (x2)	CW	(JPL)
M89	15-2	1847	3565	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	15-2	1847	4718	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	15-2	1925	5163	Wed	i.p. AT63 AN55 7N76 UN5T D6TD 4A7N 5NAU 54DU ... R U MSG GA K	CW	(JPL)
M89	18-2	0140	6378	Wed	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	18-2	0140	7045	Sat	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	18-2	0143	7716	Sat	V 9GWQ (x3) DE J2PX (x2)	CW	(JPL)
M89	18-2	0149	8847	Sat	i.p. 43AD 3T67 576N N437 74N6 536N TA46 ... AR K	CW	(JPL)
M89	18-2	0154	7877	Sat	i.p. R U 7G GA K MSG GA K R AGN K NR ...CK ... RMKS .... TO 8640 K	CW	(JPL)
M89	20-2	1128	4466	Mon	i.p. T7A4 4NT5 ... AR K R GA K	CW	(JPL)
M89	20-2	1205	3565	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	20-2	1205	4718	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	20-2	1207	4508	Mon	V LHF5 (x3) DE 2EDK (x2)	CW	(JPL)
M89	20-2	2020	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	20-2	2020	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	20-2	2030	4720	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	20-2	2030	4726	Mon	V QPL(x3) DE 4WQ (x2) (R5) QSA ? K	CW	(JPL)
M89	20-2	2030	5150	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	23-2	1830	4720	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150) (Remote tuner Japan)] JPL THU	CW	(JPL)
M89	23-2	1835	3565	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	23-2	1835	4718	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	23-2	1837	4508	Thu	V LHF5 (x3) DE 2EDK (x2)	CW	(JPL)
M95	15-2	1840	4178	Wed	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	15-2	1840	7517	Wed	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	18-2	0125	4178	Sat	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	18-2	0125	7517	Sat	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	20-2	1144	4364	Mon	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 0171 CK 419 35 0220 1538 = //8073	CW	(JPL)
M95	20-2	1144	8073	Mon	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 0171 CK 419 35 0220 1538 = //4364	CW	(JPL)
M95	20-2	1152	4243	Mon	VVV HR 7G TO YR PSE CY NR 01 CK 42 49 0218 2100 = //9054	CW	(JPL)
M95	20-2	1152	9054	Mon	VVV HR 7G TO YR PSE CY NR 01 CK 42 49 0218 2100 = //4243	CW	(JPL)
M95	23-2	1828	4178	Thu	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	23-2	1828	7517	Thu	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
MX	25-2	0714	7508.8	Sat	Beacon P, Kaliningrad	CW	(AB)
MX	25-2	0714	7508.9	Sat	Beacon S, Sevromorsk	CW	(AB)
P03	7-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	7-2	0435	6252	Tue	Polish intel.	PSK	(AB)

P03	14-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	14-2	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	16-2	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	16-2	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	21-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	21-2	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	23-2	0430	6252	Thu	Polish intel.	PSK	(AB)
P03	23-2	0435	6252	Thu	Polish intel.	PSK	(AB)
P03	28-2	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	28-2	0435	6252	Tue	Polish intel.	PSK	(AB)
P03e	3-2	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	3-2	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-2	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-2	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-2	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-2	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	7-2	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	7-2	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10-2	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10-2	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-2	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-2	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-2	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-2	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14-2	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14-2	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-2	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-2	1520	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-2	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-2	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-2	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-2	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	21-2	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	21-2	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	23-2	1520	10800	Thu	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	24-2	1515	10800	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	26-2	1515	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	26-2	1520	10800	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	26-2	1725	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	26-2	1730	5194	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	28-2	1725	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	28-2	1730	5194	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)

P03g	1-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	3-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	8-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-2	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-2	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-2	1321	13046	Wed	Polish intel. Late start	BPSK 50Bd/464bp	(AB)
P03g	24-2	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-2	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03h	1-2	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	1-2	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	6-2	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	6-2	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	8-2	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	8-2	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	13-2	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	13-2	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	15-2	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	15-2	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	20-2	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	20-2	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	22-2	0530	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	22-2	0535	9079	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	27-2	0530	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	27-2	0535	9079	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	1-2	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	1-2	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	1-2	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	1-2	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-2	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-2	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-2	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-2	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	2-2	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	2-2	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)

P03i	7-2	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-2	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-2	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-2	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-2	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-2	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-2	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	8-2	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	8-2	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	8-2	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-2	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-2	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-2	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-2	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9-2	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9-2	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14-2	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-2	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-2	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-2	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-2	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14-2	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	15-2	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	15-2	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	15-2	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	15-2	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-2	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-2	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-2	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-2	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	16-2	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	16-2	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	21-2	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-2	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-2	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-2	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-2	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	21-2	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	22-2	0430	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	22-2	0435	9079	Wed	Polish intel.	BPSK 62.5Bd/464bp	(Time)
P03i	22-2	0800	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	22-2	0805	14656	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)



P03i	23-2	0430	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	23-2	0435	9079	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	23-2	0725	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	23-2	0730	9052	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	23-2	1800	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	23-2	1805	6480	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	28-2	0725	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-2	0730	9052	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-2	0800	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-2	0805	14656	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-2	1800	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-2	1805	6480	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03j	2-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	2-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	9-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	13-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	13-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	16-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	20-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	20-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	23-2	1830	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	23-2	1835	6906	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	27-2	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	27-2	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-2	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-2	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-2	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	2-2	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	2-2	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	2-2	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-2	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-2	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	4-2	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)

P03k	4-2	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-2	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-2	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-2	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-2	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-2	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	5-2	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-2	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-2	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	6-2	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	6-2	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-2	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7-2	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-2	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-2	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-2	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-AUT)
P03k	9-2	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-AUT)
P03k	9-2	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-2	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-2	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-2	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-2	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-2	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-2	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-2	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-2	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	11-2	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	11-2	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-2	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	11-2	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-2	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-2	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	11-2	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-2	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	12-2	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	12-2	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-2	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	12-2	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	12-2	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	12-2	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-2	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	13-2	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-HOL)
P03k	13-2	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-2	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-2	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14-2	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-2	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-2	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-2	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-2	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-2	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-2	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-2	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-2	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-2	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-2	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-2	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-2	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-2	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-2	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-2	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	18-2	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-2	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-2	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-2	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-2	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-2	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	19-2	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	19-2	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	19-2	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-2	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ)
P03k	19-2	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	19-2	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	19-2	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-2	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-2	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-AUT)
P03k	20-2	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL/MPJ-AUT)
P03k	20-2	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ-AUT)
P03k	20-2	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ-AUT)
P03k	21-2	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-2	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-2	1310	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1315	9063	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-2	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-2	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-2	1200	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-2	1205	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-2	1950	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-2	1955	4356	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-2	0530	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-2	0535	10210	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-2	1100	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-2	1105	8102	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	0630	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	0635	5844	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1200	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-2	1205	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	25-2	1230	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1235	14415	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1310	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1315	9063	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-2	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-2	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-2	0530	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	0535	10210	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	26-2	0630	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	0635	5844	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1100	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1105	8102	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1200	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	26-2	1205	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	26-2	1220	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1225	9399	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1950	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-2	1955	4356	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-2	1200	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-2	1205	4356	Mon	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	27-2	1220	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-2	1225	9399	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-2	1230	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-2	1235	14415	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-2	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-2	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-2	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	3-2	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	4-2	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-2	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-2	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-2	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-2	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-2	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-2	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-2	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-2	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	11-2	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	12-2	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03l	12-2	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03l	15-2	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-2	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-2	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	17-2	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	18-2	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	18-2	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	19-2	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03l	19-2	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03l	22-2	1345	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	22-2	1350	9079	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	24-2	1345	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-2	1350	9079	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-2	1245	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	25-2	1250	5779	Sat	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	26-2	1245	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03I	26-2	1250	5779	Sun	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P07	1-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	8-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	12-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	12-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	12-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	12-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	12-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	12-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	15-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	19-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	19-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	19-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	19-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	19-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	19-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)



P07	22-2	1500	10251	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-2	1510	9333	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-2	1520	9074	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-2	1530	8128	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-2	1540	7691	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-2	1550	7458	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1500	10251	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1510	9333	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1520	9074	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1530	8128	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1540	7691	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	26-2	1550	7458	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
Q26	20-2	1131	4364	Mon	XSV85 messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	20-2	1131	8073	Mon	XSV85 messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	20-2	1148	4243	Mon	message i.p. //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	20-2	1148	9054	Mon	message i.p. //4243	4+4 QPSK 75/3000 LSB	(JPL)
S06	1-2	0400	11616	Wed	480 971 52 74943 84705 76222 ... 89853 54610 48339 971 52 00000	USB	(Subilo)
S06	1-2	0420	9233	Wed	480 971 52 74943 84705 76222 ... 89853 54610 48339 971 52 00000	USB	(Subilo)
S06	2-2	0400	11616	Thu	480 523 61 09581 12007 71499 ... 46365 94730 56617 523 61 00000	USB	(Subilo)
S06	2-2	0420	9233	Thu	480 523 61 09581 12007 71499 ... 46365 94730 56617 523 61 00000	USB	(Subilo)
S06	3-2	0400	11616	Fri	480 691 52 90756 52005 70412 ... 66451 86202 89717 681 52 00000	USB	(Subilo)
S06	3-2	0420	9233	Fri	480 691 52 90756 52005 70412 ... 66451 86202 89717 681 52 00000	USB	(Subilo)
S06	3-2	1900	7812	Fri	637 637 637 00000	USB	(AB/MPJ/HFD)
S06	3-2	2000	5743	Fri	637 637 637 00000	USB	(AB/HFD)
S06	6-2	0400	11616	Mon	480 273 54 32284 11685 13034 ... 49681 96576 07573 273 54 00000	USB	(Subilo)
S06	6-2	0420	9233	Mon	480 273 54 32284 11685 13034 ... 49681 96576 07573 273 54 00000	USB	(Subilo)
S06	7-2	0400	11616	Tue	480 651 70 54649 33161 98342 ... 96894 47976 81148 651 70 00000	USB	(Subilo)
S06	7-2	0420	9233	Tue	480 651 70 54649 33161 98342 ... 96894 47976 81148 651 70 00000	USB	(Subilo)
S06	8-2	0456	10755	Wed	480 193 42 36508 65502 07278 ... 26195 27269 1821 193 42 00000	USB	(Subilo)
S06	8-2	0900	10755	Wed	480 193 42 36508 65502 07278 ... 26195 27269 31821 193 42 00000	USB	(Subilo)
S06	9-2	0400	11616	Thu	480 536 70 12404 74951 86068 ... 86411 40858 77822 536 70 00000	USB	(Subilo)
S06	9-2	0420	9233	Thu	480 536 70 12404 74951 86068 ... 86411 40858 77822 536 70 00000	USB	(Subilo)
S06	9-2	1700	10755	Thu	975 (R1m) 681 50 00971 14195 36942 74958 17123 66788 26565 93728 51266 74044 29830 31460 54272 2422... [too weak to copy]	USB	(Subilo)
S06	9-2	1750	10755	Thu	975 (R) message followed	USB	(Subilo)
S06	10-2	0400	11616	Fri	480 196 51 73274 61721 88557 ... 16426 47203 74351 196 51 00000	USB	(Subilo)
S06	10-2	0420	9233	Fri	480 196 51 73274 61721 88557 ... 16426 47203 74351 196 51 00000	USB	(Subilo)
S06	10-2	1710	11073	Fri	352 147 60 94700 46719 71130 ... 37536 02501 50360 147 60 00000	USB	(Subilo)
S06	13-2	0400	11616	Mon	No preamble 59992 03303 63612 ... 69817 49970 71521 253 61 (no closing nulls)	USB	(Subilo)
S06	13-2	0420	9233	Mon	No preamble 59992 03303 63612 ... 69817 49970 71521 253 61 (no closing nulls)	USB	(Subilo)
S06	14-2	0400	11616	Tue	480 179 52 59992 03303 63612 ... 19572 02356 89775 179 52 00000	USB	(Subilo)
S06	14-2	0420	9233	Tue	480 179 52 59992 03303 63612 ... 19572 02356 89775 179 52 00000	USB	(Subilo)

S06	15-2	0400	11616	Wed	480 635 70 28047 51056 86672 ... 75484 52981 58457 635 70 00000	USB	(Subilo)
S06	15-2	0420	9233	Wed	480 635 70 28047 51056 86672 ... 75484 52981 58457 635 70 00000	USB	(Subilo)
S06	15-2	0900	10755	Wed	480 392 41 50135 80378 77662 ... 34365 62450 28945 392 41 00000	USB	(PY)
S06	16-2	0400	11616	Thu	480 279 53 99980 63592 14422 ... 18013 15392 44826 279 53 00000	USB	(Subilo)
S06	16-2	0420	9233	Thu	480 279 53 99980 63592 14422 ... 18013 15392 44826 279 53 00000	USB	(Subilo)
S06	17-2	0400	11616	Fri	480 163 52 49757 51798 14130 ... 41807 60682 85929 163 52 00000	USB	(Subilo)
S06	17-2	0420	9233	Fri	480 163 52 49757 51798 14130 ... 41807 60682 85929 163 52 00000	USB	(Subilo)
S06	17-2	1900	7812	Fri	637 637 637 00000	USB	(AB/MPJ)
S06	17-2	2000	5743	Fri	637 637 637 00000	USB	(AB)
S06	20-2	0400	11616	Mon	480 295 61 47028 92402 79797 ... 38043 33044 57846 295 61 00000	USB	(Subilo)
S06	20-2	0420	9233	Mon	480 295 61 47028 92402 79797 ... 38043 33044 57846 295 61 00000	USB	(Subilo)
S06	21-2	0400	11616	Tue	480 176 53 54364 80090 51712 ... 48270 70236 20510 176 53 00000	USB	(Subilo)
S06	21-2	0420	9233	Tue	480 176 53 54364 80090 51712 ... 48270 70236 20510 176 53 00000	USB	(Subilo)
S06	22-2	0900	10755	Wed	480 279 43 84676 22763 63948 ... 45671 09335 66502 279 43 00000	USB	(AB-RUS/PY/Su-bilo)
S06	27-2	0400	11616	Mon	480 395 61 06009 96559 03750 ... 52697 71036 15255 395 61 00000	USB	(Subilo)
S06	27-2	0420	9233	Mon	480 395 61 06009 96559 03750 ... 52697 71036 15255 395 61 00000	USB	(Subilo)
S06	28-2	0400	11616	Tue	480 267 51 91351 53677 08377 ... 01488 11073 16817 267 51 00000	USB	(Subilo)
S06	28-2	0420	9233	Tue	480 267 51 91351 53677 08377 ... 01488 11073 16817 267 51 00000	USB	(Subilo)
S06g	9-2	0810	11073	Thu	352 352 352 78542 (R4m) 649 25 27783 57899 74716 ... 73959 06854 80975 716 25 00000	USB	(FD/PY)
S11a	1-2	0510	9057	Wed	655/00	USB	(Time)
S11a	1-2	1850	11486	Wed	282/32 Vnimanije 21778 69986 29049 ... 46504 14837 14862 Vnimanije (msg rptd) Konets	USB	(AB-POL/MPJ-AUT)
S11a	2-2	0445	11559	Thu	796/00	USB	(AB-POL)
S11a	2-2	0500	12530	Thu	381/00	USB	(AB-POL)
S11a	2-2	0700	9050	Thu	479/00	USB	(AB)
S11a	3-2	0915	6252	Fri	486/00	USB	(AB)
S11a	3-2	1400	6252	Fri	424/00	USB	(AB-POL/MPJ)
S11a	4-2	0830	5371	Sat	373/00	USB	(AB)
S11a	4-2	1850	11486	Sat	282/32 Vnimanije 21778 69986 29049 ... 46504 14837 14862 Vnimanije (msg rptd) Konets	USB	(AB-POL/MPJ)
S11a	5-2	0830	5371	Sun	376/00	USB	(AB)
S11a	6-2	0510	9057	Mon	655/00	USB	(AB-POL)
S11a	6-2	0700	9050	Mon	477/00	USB	(AB)
S11a	6-2	0915	6252	Mon	483/33 Vnimanije 65632 36475 12237 ... 93373 30415 09798 Vnimanije (msg rptd) Out	USB	(AB-POL)
S11a	7-2	0445	11559	Tue	797/00	USB	(Time)
S11a	7-2	0500	12530	Tue	384/00	USB	(Time)
S11a	7-2	1400	6252	Tue	425/31 Vnimanije 26480 85596 65726 ... 16979 00817 67469 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	8-2	0510	9057	Wed	652/00	USB	(AB-POL)
S11a	8-2	1850	11486	Wed	285/00	USB	(AB)
S11a	9-2	0445	11559	Thu	790/00	USB	(AB-POL)
S11a	9-2	0500	12530	Thu	381/00	USB	(AB-POL)
S11a	9-2	0700	9050	Thu	472/00	USB	(AB)
S11a	10-2	0915	6252	Fri	483/33 Vnimanije 65632 36475 12237 ... 93373 30415 09798 Vnimanije (msg rptd) Out	USB	(AB-POL)



S11a	10-2	1400	6252	Fri	425/31 Vnimanıye 26480 85596 65726 ... 16979 00817 67469 Vnimanıye (msg rptd) Konets	USB	(AB-POL/MPJ-AUT)
S11a	11-2	0830	5371	Sat	371/00	USB	(AB)
S11a	11-2	1850	11486	Sat	284/00	USB	(MPJ)
S11a	12-2	0830	5371	Sun	371/00	USB	(AB)
S11a	13-2	0510	9057	Mon	654/33 Vnimanıye 85285 20394 47818 ... 30430 21370 17833 Vnimanıye (msg rptd) Konets	USB	(AB-POL)
S11a	13-2	0700	9050	Mon	471/00	USB	(AB)
S11a	13-2	0915	6252	Mon	484/00	USB	(AB-POL)
S11a	14-2	0445	11559	Tue	794/00	USB	(AB-POL)
S11a	14-2	0500	12530	Tue	383/39 Vnimanıye 11740 03387 76746 ... 53387 62717 26069 Vnimanıye (msg rptd) Konets	USB	(AB-POL)
S11a	14-2	1400	6252	Tue	424/00	USB	(AB/MPJ-HOL)
S11a	15-2	0510	9057	Wed	654/33 Vnimanıye 85285 20394 47818 ... 30430 21370 17833 Vnimanıye (msg rptd) Konets	USB	(AB-POL)
S11a	15-2	1850	11486	Wed	287/00	USB	(AB/MPJ)
S11a	16-2	0445	11559	Thu	793/00	USB	(AB-POL)
S11a	16-2	0500	12530	Thu	383/39 Vnimanıye 11740 03387 76746 ... 53387 62717 26069 Vnimanıye (msg rptd) Konets	USB	(AB-CYP)
S11a	16-2	0700	9050	Thu	470/00	USB	(AB)
S11a	17-2	0915	6252	Fri	481/00	USB	(AB-POL)
S11a	17-2	1400	6252	Fri	427/00	USB	(AB/MPJ)
S11a	18-2	0830	5371	Sat	376/34 Vnimanıye 23395 84049 34975 ... 09743 22669 62103 Vnimanıye (msg rptd) Konets	USB	(AB)
S11a	18-2	1850	11486	Sat	285/00	USB	(AB/MPJ)
S11a	19-2	0830	5371	Sun	376/34 Vnimanıye 23395 84049 34975 ... 09743 22669 62103 Vnimanıye (msg rptd) Konets	USB	(AB)
S11a	20-2	0510	9057	Mon	650/00	USB	(AB-POL)
S11a	20-2	0700	9050	Mon	471/37 Vnimanıye 66451 42146 26242 ... 58167 88345 32269 Vnimanıye (msg rptd) Konets	USB	(AB)
S11a	20-2	0915	6252	Mon	481/00	USB	(AB-POL)
S11a	21-2	0445	11559	Tue	797/33 Vnimanıye 36890 57593 50715 ... 24635 81054 20930 Vnimanıye (msg rptd) Konets	USB	(AB-POL)
S11a	21-2	0500	12530	Tue	383/00	USB	(AB-POL)
S11a	21-2	1400	6252	Tue	425/00	USB	(AB/MPJ)
S11a	22-2	0510	9057	Wed	654/00	USB	(AB-POL)
S11a	22-2	1850	11486	Wed	280/00	USB	(AB-POL/MPJ)
S11a	23-2	0445	11559	Thu	797/33 Vnimanıye 36890 57593 50715 ... 24635 81054 20930 Vnimanıye (msg rptd) Konets	USB	(AB-POL)
S11a	23-2	0500	12530	Thu	389/00	USB	(AB-CYP)
S11a	23-2	0700	9050	Thu	471/37 Vnimanıye 66451 42146 26242 ... 58167 88345 32269 Vnimanıye (msg rptd) Konets	USB	(AB)
S11a	24-2	0915	6252	Fri	482/00	USB	(AB-POL)
S11a	24-2	1400	6252	Fri	421/00	USB	(AB/MPJ)
S11a	25-2	0830	5371	Sat	377/00	USB	(AB)
S11a	25-2	1850	11486	Sat	287/00	USB	(AB/MPJ)
S11a	26-2	0830	5371	Sun	376/00	USB	(AB)
S11a	27-2	0510	9057	Mon	650/00	USB	(Time)
S11a	27-2	0700	9050	Mon	477/00	USB	(AB)
S11a	27-2	0915	6252	Mon	485/00	USB	(AB-POL)
S11a	28-2	0445	11559	Tue	796/00	USB	(AB-POL)
S11a	28-2	0500	12530	Tue	385/00	USB	(AB-POL)
S11a	28-2	1400	6252	Tue	422/00	USB	(AB)

UM04	1-2	0800	4735	Wed	VVVVV PROMRCh = 0102 = 1000 1040 1100 1290 1860 ... 0800 0590 0630 0770 1130 = AR	CW	(Subilo)
UM04	2-2	0801	4735	Thu	VVVVV PRORCh = 02 02 = 1000 1040 1100 1290 1860 ... 0800 0590 0630 0770 1130 = AR (error in the callsign)	CW	(AB-ROU)
UM04	3-2	0800	4735	Fri	VVVVV PROMRCh = 03 02 = 1000 1030 1090 1280 1850 ... 0800 0600 0640 0770 1130 = AR	CW	(AB-HNG)
UM04	4-2	0800	4735	Sat	VVVVV PROMRCh = 0402 = 1000 1020 1080 1270 1830 ... 0800 0600 0640 0770 1140 = AR	CW	(AB-HNG)
UM04	5-2	0800	4735	Sun	VVV VVV PROMRCh = 05 02 = 1000 1010 1060 1250 1810 ... 0800 0600 0640 0770 1140 = AR	CW	(AB-ROU)
UM04	6-2	0800	4735	Mon	VVVVV PROMRCh = 06 02 = 1000 0990 1050 1230 1790 ... 0800 0600 0650 0780 1150 = AR	CW	(AB)
UM04	7-2	0800	4735	Tue	VVVVV PROMRCh = 07 02 = 1000 0990 1040 1230 1780 ... 0800 0610 0650 0790 1160 = AR	CW	(Subilo)
UM04	8-2	0800	4735	Wed	VVVVV PROMRCh = 0802 = 1000 0990 1040 1230 1770 ... 0800 0620 0660 0800 1170 = AR	CW	(AB-HNG)
UM04	9-2	0801	4735	Thu	VVV VVV PROMRCh = 09 02 = 1000 0990 1040 1230 1770 ... 0800 0620 0670 0810 1190 = AR	CW	(AB-HNG)
UM04	10-2	0800	4735	Fri	VVV VVV PROMRCh = 10 02 = 1000 0990 1050 1230 1770 ... 0800 0630 0670 0810 1200 = AR	CW	(AB-ROU)
UM04	11-2	0800	4735	Sat	VVV VVV PROMRCh = 11 02 = 1000 0990 1040 1220 1770 ... 0800 0640 0680 0820 1210 = AR	CW	(AB-HNG)
UM04	12-2	0800	4735	Sun	VVVVV PROMRCh = 12 02 = 1000 1000 1050 1230 1770 ... 0800 0650 0690 0830 1230 = AR	CW	(AB-HNG)
UM04	13-2	0800	4735	Mon	VVV VVV PROMRCh = 13 02 1000 1000 1050 1240 1770 ... 0800 0650 0700 0840 1240 = AR	CW	(AB-HNG)
UM04	14-2	0800	4735	Tue	VVV VVV PROMRCh = 14 02 = 1000 1000 1060 1240 1780 ... 0800 0660 0710 0850 1260 = AR	CW	(Subilo)
UM04	15-2	0800	4735	Wed	VVVVV PROMRCh = 15 02 = 1000 1010 1070 1250 1790 ... 0800 0670 0720 0860 1270 = AR	CW	(AB-HNG)
UM04	16-2	0800	4735	Thu	VVV VVV PROMRCh = 16 02 = 1000 1010 1070 1250 1790 ... 0800 0680 0730 0880 1290 = AR	CW	(AB-HNG)
UM04	17-2	0800	4735	Fri	VVVVV PROMRCh = 1 7 0 2 = 1000 1080 1140 1320 1870 ... 0800 0700 0750 0900 1320 = AR	CW	(AB-HNG)
UM04	18-2	0800	4735	Sat	VVV VVV PROMRCh = 18 02 = 1000 1030 1090 1270 1810 ... 0800 0700 0750 0900 1320 = AR	CW	(AB-HNG)
UM04	19-2	0800	4735	Sun	VVVVV PROMRCh = 1902 = 1000 1050 1100 1280 1820 ... 0800 0710 0760 0910 1340 = AR	CW	(AB-GRC)
UM04	20-2	0800	4735	Mon	VVVVV PROMRCh = 20 02 = 1000 1050 1100 1290 1830 ... 0800 0720 0770 0720 1350 = AR	CW	(AB-HNG)
UM04	21-2	0800	4735	Tue	VVV VVV PROMRCh = 21 02 = 1000 1060 1110 1290 1830 ... 0800 0730 0780 0930 1370 = AR	CW	(Subilo)
UM04	22-2	0802	4735	Wed	VVVVV PROMRCh = 22 02 = 1000 1070 1120 1300 1840 ... 0800 0740 0790 0950 1380 = AR	CW	(AB-HNG)
UM04	24-2	0800	4735	Fri	VVV VVV PROMRCh = 2402 = 1000 1090 1140 1320 1870 ... 0800 0760 0800 0960 1400 = AR	CW	(AB-GRC)
UM04	25-2	0802	4735	Sat	VVV VVV PROMRCh = 25 02 = 1000 1030 1080 1260 1810 ... 0800 0760 0800 0960 1400 = AR	CW	(AB-HNG)
UM04	26-2	0800	4735	Sun	VVVVV PROMRCh = 26 02 = 1000 1130 1180 1370 1930 ... 0800 0770 0810 0970 1420 = AR	CW	(AB-GRC)
UM04	27-2	0800	4735	Mon	VVVVV PROMRCh = 2 7 0 2 = 1000 1090 1140 1330 1880 ... 0800 0760 0810 0970 1410 = AR	CW	(AB-HNG)
UM04	28-2	0800	4735	Tue	VVVVVV PROMRCh = 28 02 = 1000 1090 1140 1320 1880 ... 0800 0760 0810 0960 1410 = AR	CW	(Subilo)
UM10	16-2	1857	3263	Thu	10-minutes net: Q7JN //3956 kHz	CW	(JPL-RUS)
UM10	16-2	1857	3956	Thu	10-minutes net: Q7JN //3263 kHz	CW	(JPL-RUS)
UM10	20-2	2004	3263	Mon	10-minutes net: Q7JN	CW	(JPL-RUS)
UM10	20-2	2006	3124	Mon	10-minutes net: DEJF //3750 kHz	CW	(JPL-RUS)
UM10	20-2	2006	3750	Mon	10-minutes net: DEJF //3124 kHz	CW	(JPL-RUS)
V07	5-2	0200	18217	Sun	Message	USB	(Token)
V07	5-2	0220	16317	Sun	Message	USB	(Token)
V07	5-2	0240	15817	Sun	Message	USB	(Token)
V07	12-2	0200	18217	Sun	238 238 238 1 452 136 452 136 03706 35865 85623 ... 97531 39691 92358 000 000	USB	(Dan/HFD-USA)
V07	12-2	0220	16317	Sun	238 238 238 1 452 136 452 136 03706 35865 85623 ... 97531 39691 92358 000 000	USB	(Dan/HFD-USA)
V07	12-2	0240	15817	Sun	238 238 238 1 452 136 452 136 03706 35865 85623 ... 97531 39691 92358 000 000	USB	(Dan/HFD-USA)
V07	19-2	0200	18217	Sun	238 238 238 1 620 102 620 102 28652 26082 36878 ... 50913 18780 40475 000 000	USB	(Dan)
V07	19-2	0220	16317	Sun	238 238 238 1 620 102 620 102 28652 26082 36878 ... 50913 18780 40475 000 000	USB	(Dan)
V07	19-2	0240	15817	Sun	238 238 238 1 620 102 620 102 28652 26082 36878 ... 50913 18780 40475 000 000	USB	(Dan)

V13	8-2	1300	7688	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	8-2	1300	11430	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	10-2	1300	7688	Fri	New Start Broadcasting	USB	(AB-TWN)
V13	10-2	1300	11430	Fri	New Start Broadcasting	USB	(AB-TWN)
V13	15-2	1300	7688	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	15-2	1300	11430	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	17-2	1300	7688	Fri	New Start Broadcasting	USB	(AB-TWN)
V13	17-2	1300	11430	Fri	New Start Broadcasting	USB	(AB-TWN)
V13	22-2	1330	7688	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	22-2	1330	11430	Wed	New Start Broadcasting	USB	(AB-TWN)
V13	24-2	1200	9276	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	24-2	1200	13974	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	24-2	1300	7688	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	24-2	1300	11430	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	25-2	0103	18040	Sat	New Star Broadcasting	USB	(HK)
V13	25-2	0201	8169	Sat	New Star Broadcasting	USB	(HK)
V13	25-2	0320	11430	Sat	New Star Broadcasting	USB	(HK)
V13	27-2	1200	9276	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	27-2	1200	13974	Mon	New Star Broadcasting	USB	(AB-TWN)
V26	20-2	1130	4364	Mon	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	20-2	1130	8073	Mon	XSV85 callup in Chinese voice //4364	USB	(JPL)
V28	1-2	0902	5161	Wed	Parrot	AM	(HK)
V28	1-2	0906	3048	Wed	Parrot	AM	(HK)
V28	1-2	0910	5222	Wed	Parrot. Bad modulation	AM	(HK)
V28	2-2	0902	3027	Thu	Parrot. Beep sound after hanging up	AM	(HK)
V28	2-2	0905	5223	Thu	Parrot. Bad modulation	AM	(HK)
V28	3-2	2109	5482	Fri	Parrot	AM	(HK)
V28	6-2	2100	5045	Mon	Parrot	AM	(HK)
V28	6-2	2100	5475	Mon	Parrot	AM	(HK)
V28	7-2	2107	5489	Tue	Parrot	AM	(HK)
V28	7-2	2109	5489	Tue	Parrot	AM	(HK)
V28	13-2	2100	3052.5	Mon	Parrot	AM	(HK)
V28	13-2	2100	5486.6	Mon	Parrot	AM	(HK)
V28	14-2	0902	5234	Tue	Parrot	AM	(HK)
V28	14-2	0904	3053	Tue	Parrot	AM	(HK)
V28	14-2	0906	3024	Tue	Parrot	AM	(HK)
V28	15-2	0900	5219	Wed	Parrot	AM	(HK)
V28	15-2	0905	3052	Wed	Parrot	AM	(HK)
V28	17-2	0900	3024	Fri	Parrot	AM	(HK)
V28	17-2	0905	3052	Fri	Parrot	AM	(HK)
V28	18-2	1025	5508	Sat	Parrot. Male operator, urgent transmission ??	AM	(HK)
V28	18-2	1800	5509	Sat	Parrot. Female operator	AM	(HK)

V28	19-2	2100	3052	Sun	Parrot	AM	(HK)
V28	19-2	2111	5509	Sun	Parrot. Code word sounded like as "tang-ha-san"	AM	(HK)
V28	20-2	2100	3052	Mon	Parrot	AM	(HK)
V28	20-2	2100	5509	Mon	Parrot. Code word sounds as "San-ha-san"	AM	(HK)
V28	20-2	2105	5038	Mon	Parrot	AM	(HK)
V28	23-2	0900	3023	Thu	Parrot	AM	(HK)
V28	23-2	0900	3052	Thu	Parrot	AM	(HK)
V28	23-2	0903	5431	Thu	Parrot. Code word sounded like as "kok-kei-san"	AM	(HK)
V28	23-2	0903	5500	Thu	Parrot. Code word sounded like as "san-ha-san"	AM	(HK)
V28	23-2	0905	5240	Thu	Parrot. Code word sounded like as "kok-kei-san"	AM	(HK)
V28	24-2	2100	3045	Fri	Parrot	AM	(HK)
V28	24-2	2100	5499	Fri	Parrot	AM	(HK)
V28	24-2	2102	3072	Fri	Parrot	AM	(HK)
VC01	10-2	1316	4452	Fri	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	10-2	1316	4960	Fri	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB)
VC01	17-2	1209	4452	Fri	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	17-2	1300	4452	Fri	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	22-2	1334	4452	Wed	Chinese Air Defense a.k.a Chinese Robot	USB	(AB)
VC01	24-2	1300	6354	Fri	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
X06	1-2	1104	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/RXR)
X06	1-2	1255	16103	Wed	MFA Moscow clg 231654: Russian embassy Abuja. Off at 1257z, back at 1258z	MFSK-6	(AB)
X06	2-2	1328	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	3-2	1030	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(AB/RXR)
X06	6-2	0753	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB/Moon)
X06	6-2	0832	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/Moon)
X06	6-2	0929	12199	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/Moon)
X06	7-2	0805	16989	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbaatar	MFSK-6	(RO)
X06	7-2	0855	11462	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB/RO)
X06	7-2	0932	17421	Tue	MFA Moscow clg 24653: Russian embassy Accra	MFSK-6	(Moon)
X06	7-2	0943	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	7-2	0956	12149	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	7-2	1000	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	7-2	1201	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	8-2	0836	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/RO/Moon)
X06	8-2	0933	11561	Wed	MFA Moscow clg 263145: Russian embassy Prague	MFSK-6	(Moon)
X06	9-2	0815	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(Moon)
X06	13-2	0828	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	13-2	0906	13423	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB/RO)
X06	13-2	0934	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/RXR)
X06	14-2	0800	10767	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO/Moon)
X06	14-2	0817	16257	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/Dave)
X06	14-2	1010	16317	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(AB/RXR/Moon)

X06	14-2	1012	14970	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(AB/RO)
X06	15-2	1100	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/RXR)
X06	15-2	1228	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB/RXR)
X06	16-2	0821	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB)
X06	16-2	0951	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RXR)
X06	17-2	1030	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RXR)
X06	20-2	0746	13452	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(RXR)
X06	20-2	0855	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/RXR)
X06	20-2	0934	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/Moon)
X06	21-2	0756	15989	Tue	MFA Moscow clg 125643: Russian embassy Ulanbatar	MFSK-6	(AB/Moon)
X06	21-2	0850	13411	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB/RXR)
X06	21-2	0927	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	21-2	0936	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	21-2	0947	15687	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	21-2	1006	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/RXR)
X06	21-2	1153	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB/RO)
X06	22-2	1038	17456	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06	27-2	0841	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB/Moon)
X06	27-2	0907	10127	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB/RO)
X06	27-2	0936	13517	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/RXR)
X06	27-2	1241	12177	Mon	MFA clg 364152: Russian embassy New Delhi	MFSK-6	(AB)
X06	27-2	1241	12177	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(Moon/RXR)
X06	28-2	1012	16317	Tue	MFA Moscow clg 612534: Russian embassu Ashgabat	MFSK-6	(AB/RO)
XPA1	1-2	1310	14374	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/HFD)
XPA1	1-2	1330	13374	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/HFD)
XPA1	1-2	1350	11474	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/HFD)
XPA1	3-2	1310	14374	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/RL)
XPA1	3-2	1330	13374	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/RL)
XPA1	3-2	1350	11474	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB)
XPA1	8-2	1310	14374	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/RL)
XPA1	8-2	1330	13374	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB/RL)
XPA1	8-2	1350	11474	Wed	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB)
XPA1	10-2	1310	14374	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB)
XPA1	10-2	1330	13374	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB)
XPA1	10-2	1350	11474	Fri	334 334 334 1 00225 00120 19752 ... 33717 87564 65332	MFSK-20/10Bd	(AB)
XPA1	15-2	1310	14374	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB/RL)
XPA1	15-2	1330	13374	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB/RL)
XPA1	15-2	1350	11474	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA1	17-2	1310	14374	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB/RL/MPJ)
XPA1	17-2	1330	13374	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB/MPJ)
XPA1	17-2	1350	11474	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB/MPJ)
XPA1	22-2	1310	14374	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)



XPA1	22-2	1330	13374	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA1	22-2	1350	11474	Wed	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA1	24-2	1310	14374	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA1	24-2	1330	13374	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA1	24-2	1350	11474	Fri	334 334 334 1 06670 00162 56819 ... 36027 99766 00517	MFSK-20/10Bd	(AB)
XPA2	1-2	0800	13387	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB)
XPA2	1-2	0820	13887	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB)
XPA2	1-2	0840	14787	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB)
XPA2	1-2	0910	16102	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB/RL)
XPA2	1-2	0930	14951	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	1-2	0950	13991	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	1-2	1100	13967	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB)
XPA2	1-2	1120	13367	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB)
XPA2	1-2	1140	11567	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB)
XPA2	1-2	1200	14956	Wed	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	1220	16356	Wed	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/HFD)
XPA2	1-2	1240	17456	Wed	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/HFD)
XPA2	2-2	0600	11126	Thu	07331 00097 76658 ... 00066 13455 72350	MFSK-16/20Bd	(AB/HFD)
XPA2	2-2	0620	12226	Thu	07331 00097 76658 ... 00066 13455 72350	MFSK-16/20Bd	(AB/HFD)
XPA2	2-2	0640	13926	Thu	07331 00097 76658 ... 00066 13455 72350	MFSK-16/20Bd	(AB/HFD)
XPA2	2-2	0910	16146	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	2-2	0930	15846	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	2-2	0950	14446	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	2-2	1100	13967	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB)
XPA2	2-2	1120	13367	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB)
XPA2	2-2	1140	11567	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/RL)
XPA2	2-2	1600	12173	Thu	06619 00213 79122 ... 77927 01533 15573	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-2	1620	10373	Thu	06619 00213 79122 ... 77927 01533 15573	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-2	1640	9373	Thu	06619 00213 79122 ... 77927 01533 15573	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-2	0900	15835	Fri	02511 00001 00000 34253	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	3-2	0920	17435	Fri	02511 00001 00000 34253	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	0940	19535	Fri	02511 00001 00000 34253	MFSK-16/20Bd	(AB/HFD)
XPA2	3-2	1100	12147	Fri	06910 00187 60906 ... 86033 57358 45888 05335	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-2	1120	10347	Fri	06910 00187 60906 ... 86033 57358 45888 05335	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-2	1140	9247	Fri	06910 00187 60906 ... 86033 57358 45888 05335	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-2	1200	14956	Fri	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/RL)
XPA2	3-2	1220	16356	Fri	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/RL)
XPA2	3-2	1240	17456	Fri	00462 00144 29973 ... 85935 74571 50063	MFSK-16/20Bd	(AB/RL)
XPA2	4-2	0910	16146	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/HFD)
XPA2	4-2	0930	15846	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/HFD)
XPA2	4-2	0950	14446	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/HFD)
XPA2	4-2	1600	11461	Sat	00439 00263 09752 ... 66470 98863 10052	MFSK-16/20Bd	(AB/MPJ)

XPA2	4-2	1620	10261	Sat	00439 00263 09752 ... 66470 98863 10052	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-2	1640	9161	Sat	00439 00263 09752 ... 66470 98863 10052	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-2	0900	15835	Sun	04467 00001 00000 36662	MFSK-16/20Bd	(AB/RL)
XPA2	5-2	0920	17435	Sun	04467 00001 00000 36662	MFSK-16/20Bd	(AB/RL)
XPA2	5-2	0940	19535	Sun	04467 00001 00000 36662	MFSK-16/20Bd	(AB/RL)
XPA2	5-2	1200	11163	Sun	07725 00001 00000 37261	MFSK-16/20Bd	(AB/HFD)
XPA2	5-2	1220	13363	Sun	07725 00001 00000 37261	MFSK-16/20Bd	(AB-RUS/HFD)
XPA2	5-2	1240	14563	Sun	07725 00001 00000 37261	MFSK-16/20Bd	(AB-RUS/HFD)
XPA2	6-2	0800	13387	Mon	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB/HFD)
XPA2	6-2	0820	13887	Mon	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	6-2	0840	14787	Mon	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	6-2	0910	16102	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB/HFD)
XPA2	6-2	0930	14951	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	6-2	0950	13991	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	6-2	1600	11461	Mon	05561 00001 00000 34263	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-2	1620	10261	Mon	05561 00001 00000 34263	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-2	1640	9161	Mon	05561 00001 00000 34263	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-2	0600	11126	Tue	04564 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	7-2	0620	12226	Tue	04564 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	7-2	0640	13926	Tue	04564 00001 00000 35662	MFSK-16/20Bd	(AB)
XPA2	7-2	1100	12147	Tue	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB)
XPA2	7-2	1120	10347	Tue	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB)
XPA2	7-2	1140	9247	Tue	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB)
XPA2	7-2	1200	11163	Tue	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB)
XPA2	7-2	1220	13363	Tue	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB)
XPA2	7-2	1240	14563	Tue	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB)
XPA2	7-2	1600	12173	Tue	05942 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	7-2	1620	10373	Tue	05942 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	7-2	1640	9373	Tue	05942 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	8-2	0800	13387	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB)
XPA2	8-2	0820	13887	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB)
XPA2	8-2	0840	14787	Wed	00262 00114 62467 ... 70689 56292 02242	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	0910	16102	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	8-2	0930	14951	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	8-2	0950	13991	Wed	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	8-2	1100	13967	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	1120	13367	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	1140	11567	Wed	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	1200	14956	Wed	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	1220	16356	Wed	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	8-2	1240	17456	Wed	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	9-2	0600	11126	Thu	05188 00001 00000 35665	MFSK-16/20Bd	(AB)



XPA2	9-2	0620	12226	Thu	05188 00001 00000 35665	MFSK-16/20Bd	(AB)
XPA2	9-2	0640	13926	Thu	05188 00001 00000 35665	MFSK-16/20Bd	(AB)
XPA2	9-2	0910	16146	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB)
XPA2	9-2	0930	15846	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB)
XPA2	9-2	0950	14446	Thu	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB)
XPA2	9-2	1100	13967	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/HFD)
XPA2	9-2	1120	13367	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/HFD)
XPA2	9-2	1140	11567	Thu	07706 00095 16473 ... 52654 21463 02360	MFSK-16/20Bd	(AB/HFD)
XPA2	9-2	1600	12173	Thu	08453 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	9-2	1620	10373	Thu	08453 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	9-2	1640	9373	Thu	08453 00001 00000 34665	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	10-2	0900	15835	Fri	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB/RL)
XPA2	10-2	0920	17435	Fri	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB/RL)
XPA2	10-2	0940	19535	Fri	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB/RL)
XPA2	10-2	1100	12147	Fri	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB/HFD)
XPA2	10-2	1120	10347	Fri	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB/HFD)
XPA2	10-2	1140	9247	Fri	07338 00133 44122 ... 92889 37711 02114	MFSK-16/20Bd	(AB/HFD)
XPA2	10-2	1200	14956	Fri	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	10-2	1220	16356	Fri	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	10-2	1240	17456	Fri	03985 00086 80795 ... 49942 80136 66056	MFSK-16/20Bd	(AB/RL)
XPA2	11-2	0910	16146	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	11-2	0930	15846	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	11-2	0950	14446	Sat	02471 00164 27967 ... 06459 03293 34566	MFSK-16/20Bd	(AB/RL)
XPA2	11-2	1600	11461	Sat	09556 00001 00000 36666	MFSK-16/20Bd	(AB/HFD)
XPA2	11-2	1620	10261	Sat	09556 00001 00000 36666	MFSK-16/20Bd	(AB/HFD)
XPA2	11-2	1640	9161	Sat	09556 00001 00000 36666	MFSK-16/20Bd	(AB/HFD)
XPA2	12-2	0900	15835	Sun	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB/RL)
XPA2	12-2	0920	17435	Sun	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB)
XPA2	12-2	0940	19535	Sun	05785 00149 76404 ... 71733 25745 24264	MFSK-16/20Bd	(AB)
XPA2	12-2	1200	11163	Sun	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB)
XPA2	12-2	1220	13363	Sun	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB)
XPA2	12-2	1240	14563	Sun	00378 00216 28004 ... 88005 64293 06545	MFSK-16/20Bd	(AB/RL)
XPA2	13-2	0800	13387	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	13-2	0820	13887	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB/RL)
XPA2	13-2	0840	14787	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB/RL)
XPA2	13-2	0910	16102	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	13-2	0930	14951	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	13-2	0950	13991	Mon	07164 00177 49393 ... 93146 25319 25606	MFSK-16/20Bd	(AB)
XPA2	13-2	1600	11461	Mon	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	13-2	1620	10261	Mon	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	13-2	1640	9161	Mon	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	14-2	0600	11126	Tue	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)

XPA2	14-2	0620	12226	Tue	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)
XPA2	14-2	0640	13926	Tue	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)
XPA2	14-2	1100	12147	Tue	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-2	1120	10347	Tue	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-2	1140	9247	Tue	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB/MPJ)
XPA2	14-2	1200	11163	Tue	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB)
XPA2	14-2	1220	13363	Tue	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB)
XPA2	14-2	1240	14563	Tue	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB)
XPA2	14-2	1600	12173	Tue	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB)
XPA2	14-2	1620	10373	Tue	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB)
XPA2	14-2	1640	9373	Tue	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB)
XPA2	15-2	0800	13387	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	15-2	0820	13887	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB/RL)
XPA2	15-2	0840	14787	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB/RL)
XPA2	15-2	0910	16102	Wed	02962 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	15-2	0930	14951	Wed	02962 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	15-2	0950	13991	Wed	02962 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	15-2	1100	13967	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB/RL)
XPA2	15-2	1120	13367	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB/RL)
XPA2	15-2	1140	11567	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	15-2	1200	14956	Wed	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB)
XPA2	15-2	1220	16356	Wed	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB)
XPA2	15-2	1240	17456	Wed	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB)
XPA2	16-2	0600	11126	Thu	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)
XPA2	16-2	0620	12226	Thu	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)
XPA2	16-2	0640	13926	Thu	09765 00113 58680 ... 23052 14132 27370	MFSK-16/20Bd	(AB)
XPA2	16-2	0910	16146	Thu	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	16-2	0930	15846	Thu	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	16-2	0950	14446	Thu	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	16-2	1100	13967	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-2	1120	13367	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-2	1140	11567	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-2	1600	12173	Thu	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-2	1620	10373	Thu	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB/MPJ)
XPA2	16-2	1640	9373	Thu	00210 00210 72581 ... 91617 77211 01540	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-2	0900	15835	Fri	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB/RL)
XPA2	17-2	0920	17435	Fri	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB/RL)
XPA2	17-2	0940	19535	Fri	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB/RL)
XPA2	17-2	1100	12147	Fri	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB)
XPA2	17-2	1120	10347	Fri	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB)
XPA2	17-2	1140	9247	Fri	02100 00074 21887 ... 50848 76347 67434	MFSK-16/20Bd	(AB)
XPA2	17-2	1200	14956	Fri	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB/RL)

XPA2	17-2	1220	16356	Fri	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB/RL)
XPA2	17-2	1240	17456	Fri	07902 00042 50564 ... 53604 03158 14614	MFSK-16/20Bd	(AB/RL)
XPA2	18-2	0910	16146	Sat	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	18-2	0930	15846	Sat	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	18-2	0950	14446	Sat	00292 00089 28949 ... 33410 01747 22715	MFSK-16/20Bd	(AB)
XPA2	18-2	1600	11461	Sat	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	18-2	1620	10261	Sat	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	18-2	1640	9161	Sat	02455 00281 51939 ... 29892 50323 63133	MFSK-16/20Bd	(AB)
XPA2	19-2	0900	15835	Sun	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB)
XPA2	19-2	0920	17435	Sun	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB)
XPA2	19-2	0940	19535	Sun	08686 00157 20247 ... 54796 32601 32405	MFSK-16/20Bd	(AB)
XPA2	19-2	1200	11163	Sun	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-2	1220	13363	Sun	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-2	1240	14563	Sun	09489 00194 33001 ... 00437 34664 33720	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-2	0800	13387	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	20-2	0820	13887	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	20-2	0840	14787	Mon	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	20-2	0910	16102	Mon	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	20-2	0930	14951	Mon	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	20-2	0950	13991	Mon	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	20-2	1600	11461	Mon	06784 00001 00000 36666	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-2	1620	10261	Mon	06784 00001 00000 36666	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-2	1640	9161	Mon	06784 00001 00000 36666	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-2	0600	11126	Tue	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	21-2	0620	12226	Tue	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	21-2	0640	13926	Tue	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	21-2	1100	12147	Tue	02956 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	21-2	1120	10347	Tue	02956 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	21-2	1140	9247	Tue	02956 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ-HNG)
XPA2	21-2	1200	11163	Tue	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-2	1220	13363	Tue	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-2	1240	14563	Tue	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-2	1600	12173	Tue	08130 00001 00000 31663	MFSK-16/20Bd	(AB)
XPA2	21-2	1620	10373	Tue	08130 00001 00000 31663	MFSK-16/20Bd	(AB)
XPA2	21-2	1640	9373	Tue	08130 00001 00000 31663	MFSK-16/20Bd	(AB)
XPA2	22-2	0800	13387	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	22-2	0820	13887	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	22-2	0840	14787	Wed	00179 00136 99451 ... 14646 65304 23004	MFSK-16/20Bd	(AB)
XPA2	22-2	0910	16102	Wed	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	22-2	0930	14951	Wed	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	22-2	0950	13991	Wed	08281 00163 69815 ... 40076 21734 16003	MFSK-16/20Bd	(AB)
XPA2	22-2	1100	13967	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)

XPA2	22-2	1120	13367	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	22-2	1140	11567	Wed	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	22-2	1200	14956	Wed	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB)
XPA2	22-2	1220	16356	Wed	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB)
XPA2	22-2	1240	17456	Wed	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB)
XPA2	23-2	0600	11126	Thu	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	23-2	0620	12226	Thu	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	23-2	0640	13926	Thu	00520 00125 59758 ... 28728 03784 43531	MFSK-16/20Bd	(AB)
XPA2	23-2	0910	16146	Thu	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	23-2	0930	15846	Thu	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	23-2	0950	14446	Thu	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	23-2	1100	13967	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	23-2	1120	13367	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	23-2	1140	11567	Thu	00404 00132 76316 ... 02770 22418 24074	MFSK-16/20Bd	(AB)
XPA2	23-2	1600	12173	Thu	01947 00001 00000 41255	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-2	1620	10373	Thu	01947 00001 00000 41255	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-2	1640	9373	Thu	01947 00001 00000 41255	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-2	0900	15835	Fri	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	24-2	0920	17435	Fri	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	24-2	0940	19535	Fri	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	24-2	1100	12147	Fri	02289 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	24-2	1120	10347	Fri	02289 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	24-2	1140	9247	Fri	02289 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	24-2	1200	14956	Fri	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-2	1220	16356	Fri	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB/MPJ)
XPA2	24-2	1240	17456	Fri	00232 00186 03946 ... 79040 47264 73713	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-2	0910	16146	Sat	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	25-2	0930	15846	Sat	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	25-2	0950	14446	Sat	00388 00114 96586 ... 81850 18257 45651	MFSK-16/20Bd	(AB)
XPA2	25-2	1600	11461	Sat	07668 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-2	1620	10261	Sat	07668 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-2	1640	9161	Sat	07668 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-2	0900	15835	Sun	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	26-2	0920	17435	Sun	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	26-2	0940	19535	Sun	00415 00125 61781 ... 66021 65204 74336	MFSK-16/20Bd	(AB)
XPA2	26-2	1200	11163	Sun	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB)
XPA2	26-2	1220	13363	Sun	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB)
XPA2	26-2	1240	14563	Sun	00526 00186 82027 ... 55762 06444 61674	MFSK-16/20Bd	(AB)
XPA2	27-2	0800	13387	Mon	07618 00098 06230 ... 61591 09738 70253	MFSK-16/20Bd	(AB)
XPA2	27-2	0820	13887	Mon	07618 00098 06230 ... 61591 09738 70253	MFSK-16/20Bd	(AB)
XPA2	27-2	0840	14787	Mon	07618 00098 06230 ... 61591 09738 70253	MFSK-16/20Bd	(AB)
XPA2	27-2	0910	16102	Mon	00506 00191 67117 ... 74970 36184 54027	MFSK-16/20Bd	(AB)

XPA2	27-2	0930	14951	Mon	00506 00191 67117 ... 74970 36184 54027	MFSK-16/20Bd	(AB)
XPA2	27-2	0950	13991	Mon	00506 00191 67117 ... 74970 36184 54027	MFSK-16/20Bd	(AB)
XPA2	27-2	1600	11461	Mon	06417 00195 46901 ... 77778 88848 56247	MFSK-16/20Bd	(AB)
XPA2	27-2	1620	10261	Mon	06417 00195 46901 ... 77778 88848 56247	MFSK-16/20Bd	(AB)
XPA2	27-2	1640	9161	Mon	06417 00195 46901 ... 77778 88848 56247	MFSK-16/20Bd	(AB)
XPA2	28-2	0600	11126	Tue	04501 00001 00000 34254	MFSK-16/20Bd	(AB)
XPA2	28-2	0620	12226	Tue	04501 00001 00000 34254	MFSK-16/20Bd	(AB)
XPA2	28-2	0640	13926	Tue	04501 00001 00000 34254	MFSK-16/20Bd	(AB)
XPA2	28-2	1100	12147	Tue	09921 00053 06247 ... 59398 65353 40062	MFSK-16/20Bd	(AB)
XPA2	28-2	1120	10347	Tue	09921 00053 06247 ... 59398 65353 40062	MFSK-16/20Bd	(AB)
XPA2	28-2	1140	9247	Tue	09921 00053 06247 ... 59398 65353 40062	MFSK-16/20Bd	(AB)
XPA2	28-2	1200	11163	Tue	07358 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	28-2	1220	13363	Tue	07358 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	28-2	1240	14563	Tue	07358 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	28-2	1600	12173	Tue	00231 00256 16369 ... 77543 14939 40205	MFSK-16/20Bd	(AB)
XPA2	28-2	1620	10373	Tue	00231 00256 16369 ... 77543 14939 40205	MFSK-16/20Bd	(AB)
XPA2	28-2	1640	9373	Tue	00231 00256 16369 ... 77543 14939 40205	MFSK-16/20Bd	(AB)
XPB1	1-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	1-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1100	15814	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1110	14814	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1120	14414	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1130	13914	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1140	13414	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1150	12214	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	0600	13443	Mon	Russian intel.	MFSK-16	(AB/HFD)



XPB1	6-2	0610	13943	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	0620	14443	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	0630	14943	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	0640	15843	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	0650	16343	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-2	1100	15814	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-2	1110	14814	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-2	1120	14414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-2	1130	13914	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-2	1140	13414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-2	1150	12214	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0600	13443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0610	13943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0620	14443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0630	14943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0640	15843	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	0650	16343	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	8-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1100	15814	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1110	14814	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1120	14414	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1130	13914	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1140	13414	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1150	12214	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)

XPB1	11-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0600	13443	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0610	13943	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0620	14443	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0630	14943	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0640	15843	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	0650	16343	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	1100	15814	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	13-2	1110	14814	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	1120	14414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	1130	13914	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	1140	13414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-2	1150	12214	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0600	13443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0610	13943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0620	14443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0630	14943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0640	15843	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	0650	16343	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	15-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	17-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	17-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	18-2	1100	15814	Sat	Russian intel.	MFSK-16	(AB)



<b>XPB1</b>	18-2	1110	14814	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1120	14414	Sat	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	18-2	1130	13914	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1140	13414	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1150	12214	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0600	13443	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0610	13943	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0620	14443	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0630	14943	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0640	15843	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	0650	16343	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1100	15814	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1110	14814	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1120	14414	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1130	13914	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1140	13414	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	20-2	1150	12214	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0600	13443	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0610	13943	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0620	14443	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0630	14943	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0640	15843	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	0650	16343	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	21-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1200	14873	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1210	14373	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1220	13873	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1230	13373	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1240	12173	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-2	1250	11173	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	24-2	1300	20035	Fri	Russian intel.	MFSK-16	(AB/MPJ)

XPB1	24-2	1310	19235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-2	1320	18335	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-2	1330	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-2	1340	16235	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-2	1350	15835	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1100	15814	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	25-2	1110	14814	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	25-2	1120	14414	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	25-2	1130	13914	Sat	Russian intel.	MFSK-16	(AB/XAH/RL)
XPB1	25-2	1140	13414	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1150	12214	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1200	14873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1210	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1220	13873	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1230	13373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1240	12173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	25-2	1250	11173	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0600	13443	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0610	13943	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0620	14443	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0630	14943	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0640	15843	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	0650	16343	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1100	15814	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1110	14814	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1120	14414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1130	13914	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1140	13414	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-2	1150	12214	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0600	13443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0610	13943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0620	14443	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0630	14943	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0640	15843	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	0650	16343	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1300	20035	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1310	19235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1320	18335	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1330	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1340	16235	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-2	1350	15835	Tue	Russian intel.	MFSK-16	(AB)
XSL	10-2	1320	4231.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

<b>XSL</b>	10-2	1320	4291	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	10-2	1320	6250	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	10-2	1320	6417	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	10-2	1320	6445	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	10-2	1320	8313	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	10-2	1320	8703.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	4231.5	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	4291	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	6250	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	6417	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	6445	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	8313	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	15-2	0625	8703.5	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	4231.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	4291	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	6250	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	6417	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	6445	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	8313	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	17-2	1320	8703.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-BLR	Ary Boender via remote rx Belarus
AB-CYP	Ary Boender via remote rx Cyprus
AB-D	Ary Boender via remote rx Germany
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-ROU	Ary Boender via remote rx Romania
AB-RUS	Ary Boender via remote rx Russia
AB-TWN	Ary Boender via remote rx Taiwan
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
Anon-FIN	Anonymous via remote rx Finland
Dan	Daniel LU5EMM, Argentina
Dave	Dave
FD	Full Day Waterfall, University Twente SDR
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
JPL-RUS	JPL via remote rx Russia
Mario-J	Mario via remote rx Japan
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-FIN	Jim via remote rx Finland
MPJ-HNG	Jim via remote rx Hungary
MPJ-HOL	Jim via remote rx Netherlands
Pof	Pofistal_975 via Priyom
Priyom	Priyom.org
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
RR2	Rich Ray, IL, USA
RXR	Romeo X-Ray 39
Subilo	Subilo
T101	RadiotekhnikaT101 via Priyom
Time	Time Machine
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

#### Voice stations

Code	Language	Origin	Related stations
<b>E06</b>	English	Russia	G06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
<b>E07</b>	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1, F07, P07
<b>E07a</b>	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1, F07, P07
<b>E11</b>	English	Poland	E11a, S11a, F03, P03
<b>E11a</b>	English	Poland	E11, S11a, F03, P03
<b>E17z</b>	English	Ukraine	S06s
<b>E25</b>	English	Egypt	E25a
<b>E25a</b>	English	Egypt	E25
<b>G06</b>	German	Russia	E06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
<b>G06b</b>	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
<b>S06</b>	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
<b>S06b</b>	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
<b>S06c</b>	Russian	Russian	E06, G06, G06b, S06, S06b, M14, F01, F06, F06a
<b>S06s</b>	Russian	Ukraine	E17z
<b>S11a</b>	Russian	Poland	E11, E11a, F03, P03
<b>S25</b>	Russian	Russia	
<b>V07</b>	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
<b>V13</b>	Mandarin	Taiwan	
<b>V15</b>	Korean	North Korea	
<b>V24</b>	Korean	South Korea	
<b>V26</b>	Chinese	China	M95, Q26
<b>V28</b>	Korean	North Korea	
<b>VC01</b>	Chinese	China	VC03, MC03
<b>VC03</b>	Chinese	China	VC01, MC03

### Morse stations

Code	Mode	Origin	Related stations
<b>M01</b>	Morse	Russia	M01a
<b>M01a</b>	Morse	Russia	M01
<b>M12</b>	Morse	Russia	E07, V07, XPA1, XPA2, XPB1, P07, V07
<b>M14</b>	Morse	Russia	E06, G06, G06b, S06, S06b, S06c, F01, F06, F06a
<b>M21</b>	Morse	Russia	M41
<b>M22</b>	Morse	Israel	
<b>M23</b>	Morse	France	
<b>M41</b>	Morse	Russia	M21
<b>M51a</b>	Morse	France	M51b
<b>M51b</b>	Morse	France	M51a
<b>M89</b>	Morse	China	
<b>M95</b>	Morse	China	V26, Q26
<b>MC03</b>	Morse	China	VC01, VC03
<b>UM03</b>	Morse	China	
<b>UM04</b>	Morse	Bulgaria	PROMRCh daily schedule
<b>UM10</b>	Morse	?	

### Digital stations

Code	Mode	Origin	Related stations
<b>F01</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
<b>F02</b>	MFSK-4/150Bd/4000Hz	Russia	
<b>F03</b>	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
<b>F06</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
<b>F06a</b>	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
<b>F07</b>	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, XPA2, XPB1, P07
<b>HM01</b>	Voice + RDFT or WinDRM	Cuba	
<b>M42</b>	Various modes	Russia	
<b>P03</b>	BPSK, QPSK	Poland	E11, E11a, S11a, F03
<b>P07</b>	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, XPA2, XPB1, F07
<b>Q26</b>	4+4 QPSK	China	V26, M95
<b>SK01</b>	Various	Cuba	
<b>X06</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06a</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06b</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06c</b>	MFSK-6	Russia	X06a, X06b, X06c, X06d
<b>X06d</b>	CW	Russia	X06a, X06b, X06c, X06d
<b>XPA</b>	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1, F07, P07
<b>XPA2</b>	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1, F07, P07
<b>XPB1</b>	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2, F07, P07

### 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	Itmien
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	Pietiorika	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	[ BT = ]	- . . . -
M	- -	Accented letters		Understood		... - .
N	- .	Ä	. - . -	Plus sign	[ + ]	. - . - .
O	- - -	Á	. - - . -	Invitation to transmit		- . -
P	. - . .	CH	- - - -	Wait	[ AS ]	. - . . .
Q	- - . -	É	.. - . .	End of Transmission	[ SK, VA ]	... - . -
R	. - .	Ö	- - - .	End of message	[ AR ]	. - . - .
S	...	Ü	.. - -	Starting signal		- . . - .
T	-			Multiplication sign	[ × ]	- . . -
U	.. -			At sign	[ @ ]	. - - . - .
V	... -			Break	[ BK ]	- . . . - . -
W	. - -			Ampersand	[ & ]	. - . . .
X	- . . -					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>



## 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
- N&O uses designator POL for Polish digital modes without a designator
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

## COLOPHON

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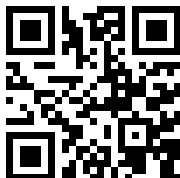
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HF UNDERGROUND	<a href="http://www.hfunderground.com/board/">http://www.hfunderground.com/board/</a>
PRIYOM	<a href="http://priyom.org/">http://priyom.org/</a>
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976 27364 92886 89428 61288 74982 36498 32764 81276 81  
986 40932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 70  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 1  
7591 87364 87265 96718 27638 12673 84769 28743 98127 5  
758 63298 75698 27465 87326 49876 28376 81273 98615 86  
67 87432 74328 78674 29867 32867 67867 86786 43276 486  
67 68768 68763 34234 34238 68768 62342 48273 48768 230  
736 98432 32432 86743 43286 43286 43286 43286 43286 432  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
751 86743 86743 86743 86743 86743 86743 86743 86743 86  
763 98798 98754 98754 98754 98754 29867 67543 67986 86  
76 87698 69876 87698 69876 87612 12341 34867 86798 652  
667 43298 65656 56756 56123 32143 14321 32143 14321 321  
68 87287 58765 76587 58765 76587 58765 76587 58756 765

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