

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

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a.k.a. The Spooks Newsletter

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Edition #300, September 2022

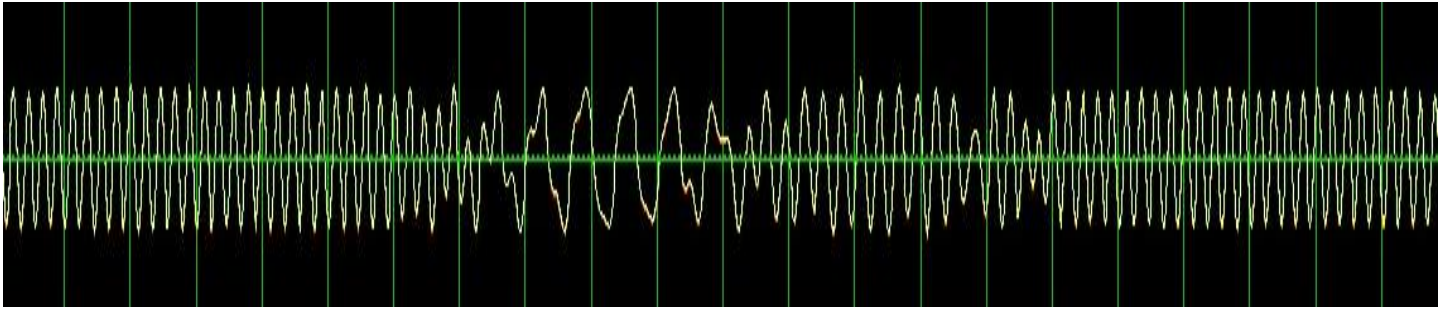
Editor: Ary Boender email: udxf@udxf.nl
 Numbers & Oddities <http://www.numbersoddities.nl>

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

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



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FOREWORD

Hi and welcome to the 300th edition of Numbers & Oddities.

My vacation and other priorities caused some gaps in the logs and transcripts. Subilo sent me many transcripts and recordings to close the gaps, and I have my own recordings, which is the reason why N&O is a bit later than usual. While I am writing this on October 3rd, I still have some 8TB recordings to check ☺ These recordings include many voice stations and at least 80 CW and digital stations to decode. Subilo recorded all daily UM04 transmissions, for which I am grateful because it is the very first time that we have covered the entire month.

The Russians transmitted test/training messages, mainly between 23 and 26 September. We heard lots of digital modes, E06, E07 and S06. You will find the logs and transcripts in the various columns.

As expected S06s and E17 from Ukraine are still silent and I think that we'll never hear them again. HM01 is also silent since September 28th. This is most likely the result of hurricane damages.

After a long break we have some V28 logs, thanks to HK. Also thanks to V. Shortwaver for his interesting VC03 and Chinese military logs. As always a big THANKS to all contributors, especially Subilo. Keep sending your logs, please.

VOICE STATIONS

E06

14370/16265 kHz, 01-09/02-09, 0500/0600 UTC

354 290 61

40780 46250 47713 08529 19773 35187 50055 46493 45699 94469
65325 71140 65548 27475 27560 10462 13359 74778 66580 24216
06136 12500 93517 94768 66819 85880 61993 05387 53989 76568
99270 59212 03000 27023 21043 27964 08219 70492 75553 37793
01079 39990 82137 31742 03607 54711 57073 67639 62137 07340
43821 38058 90883 00656 89851 23194 80062 06905 37238 12590
48254
290 61 00000

11073 kHz, 13-09, 1228 UTC. Carrier, test tones and 352 followed by a message.

Several restarts and briefly OFDM-45 before a restart

352 478 60
09309 96398 49855 70701 85231 46915 13130 21284 13007 79152
36321 23333 34083 40552 32686 98379 07366 56868 62124 76565
11753 38583 32004 44506 04234 64153 87144 38970 16995 14278
24897 66029 21959 28368 96263 50399 96216 35419 78989 44636
86758 66458 33555 52884 97972 36764 78029 48863 90331 83044
42702 92781 83702 73755 90436 76865 03732 34756 13687 54178
478 60 00000

11073 kHz, 23-09, 0723-0725 UTC. 1200Hz test tones and 352 once

11073 kHz, 23-07, 0740 UTC. Message with several restarts.

Includes Windows XP ding system sound and Windows XP shutdown system sound.

352 987 60
22513 36605 61076 48906 17597 44622 01936 46035 12228 86832
78862 63074 74573 60007 30373 40914 25673 27221 36277 75753
07225 75566 99974 99310 26435 59111 57017 90394 57595 25555
02129 78753 05087 50012 51871 27150 57507 24360 85139 02596
87583 75593 28680 72682 77585 11620 79811 87949 74908 17929
83546 36222 07525 53588 06287 79861 13977 19983 73298 11865
987 60 00000



Logs and comments bt PY

13557/11521 kHz, 01-10/02-10, 0300/0400 UTC

361 958 42
71151 32700 02236 39082 95143 89623 32907 28857 56890 16532
27360 45892 91979 71901 55682 04166 63043 07642 46155 63711
38394 81009 38544 65819 11766 72076 65223 07397 17861 80214
27319 90422 23387 98009 58048 07440 98260 86062 90474 49020
96685 97105
958 42 00000

13557/11521 kHz, 08-10/09-10, 0300/0400 UTC

361 270 43
99767 93403 72980 24442 57666 68550 97596 94965 62633 30810
74418 98773 40641 17918 06546 98518 15663 78340 54263 60341
17025 26743 06102 77945 43479 83139 68357 88938 88717 19176
90258 69415 57984 59984 66958 17686 30502 15028 87558 63108
47378 36404 20324
270 43 00000

13557/11521 kHz, 15-10/16-10, 0300/0400 UTC

361 895 44
77821 43944 15213 24182 03868 60000 71800 24500 71546 24831
08117 66791 86052 10183 86770 58504 31683 47770 92486 29009
58966 83667 97801 26802 14465 46077 95648 51193 42944 74909
41028 29397 16588 86621 68939 74974 70951 72750 80786 88561
52352 55565 16409 86815
895 44 00000

13557/11521 kHz, 22-10/23-10, 0300/0400 UTC

361 702 45
56862 31910 31307 98232 53296 09422 12286 53724 01206 88621
43553 71451 22096 80814 75551 48238 98113 61849 88090 60942
77586 68551 16245 14692 09950 42120 11111 65432 52262 29446
90119 90240 14488 78267 56587 03818 35731 87116 93189 44616
08626 95986 59053 79036 94045
702 45 00000

13557/11521 kHz, 29-10/30-10, 0300/0400 UTC

361 859 46
01027 87254 55596 82266 60172 96240 53048 63299 89953 47037
10523 38332 54504 72100 24257 33358 82795 86288 93510 44552
30084 12828 44166 25026 55467 89854 55160 85756 70239 30955
54942 46598 36745 38144 80131 98342 22392 90732 13577 61745
38543 58497 43989 54458 18951 12619
859 46 00000

11426/14477 kHz, 05-09/06-09, 0210/0310 UTC

537 192 48
48799 31708 92968 30435 86500 00085 07158 27665 27800 00976
76843 68543 26003 18754 88114 79688 70033 52211 80816 64698
74736 34825 93590 48093 94321 70729 87518 12316 01145 97361
03081 01247 97004 10699 30094 88653 49144 14028 95328 35017
68156 76195 97484 81183 69956 10264 44226 52259
192 48 00000

13557/11521 kHz, 12-10/13-10, 0300/0400 UTC

537 608 49
18469 57996 91082 39131 44442 81230 65783 63788 15987 42644
03308 63756 77843 63472 72503 71620 09712 01078 29491 89549
05224 12566 79504 17220 05316 90377 98585 79055 28172 80785
69834 24218 62948 21243 13894 97800 19448 57519 18367 06633
50941 26548 95836 28167 92320 15951 25201 35861 80771
608 49 00000

13557/11521 kHz, 19-10/20-10, 0300/0400 UTC

537 124 50
00657 60902 69540 71577 10001 38351 61506 10379 75725 09835
54602 61185 91060 66374 03327 68439 12966 41479 93754 30165
44817 93315 98144 89757 89113 36980 80033 80215 62380 87800
54512 44250 89481 01613 33359 78714 19506 22951 09725 76785
30419 77081 62061 66336 14687 66819 81967 67936 63022 60077
124 50 00000

13557/11521 kHz, 26-10/27-10, 0300/0400 UTC

537 689 51
28414 24988 65523 24628 67753 73647 40818 21923 62526 10010
40090 30480 90810 01481 60499 11759 13202 92526 06773 76386
92759 23124 77210 82921 32621 35591 91582 46111 60979 18234
03112 65539 18113 59246 61722 10634 25160 09299 20752 22952
39303 76264 04300 21698 25085 00500 77411 23387 96510 84140
86285
689 51 00000

That week's E06 537 message incremented from 50 to 51 groups, instead of cycling back to 30 groups at that point. This is definitely not normal behavior: message lengths on this network normally cycle between 30 and 50 groups.

E07

16228/15928/14928 kHz, 1410/1430/1450 UTC

16228/15928/14928 kHz, 01-09/03-09, 1410/1430/1450 UTC

594 594 594 1 718 72 718 72
99831 07831 00576 95729 17942 70986 42824 46067 06618 06232
57953 11125 32959 65905 98715 18358 28295 39561 41398 31726
12779 91187 07121 67993 20602 47883 09336 57052 83728 00457
70931 43222 32730 75517 18428 27628 52569 86721 88674 90420
30007 32540 93914 84551 12751 61499 66878 63679 70843 39440
93776 42967 42033 64566 15928 90591 34583 93209 51259 18142
06739 74824 81148 39825 39159 18759 86158 56340 47747 43465
17951 15866 000 000

16228/15928/14928 kHz, 15-09/17-09, 1410/1430/1450 UTC

594 594 594 1 555 55 555 55
17453 21595 89883 57023 39507 03541 19191 80890 33933 16756
86618 12874 32884 55203 76825 79462 59522 17836 29242 00552
16951 96228 95461 92632 27199 71980 90191 23702 48144 51799
69178 49749 99688 52366 73395 73758 94972 21402 14943 52838
37235 46637 59582 89818 16965 02459 14643 69152 05131 75933
31594 81711 41878 99358 66945 000 000

10256 kHz, 26-09, 0710 UTC. Test transmission. Very fast. E06 voice

231 231 231 1 5014 39 5104 39
03994 53595 89687 10912 74862 65833 82229 85335 50504 27493
70102 72520 08531 40500 33893 46381 40730 40048 96195 48627
67762 31732 14517 97276 14582 88607 78011 05207 36786 24604
83770 83203 95848 37715 01810 40087 73827 38842 37155 000 000



16228/15928/14928 kHz, 29-09, 1410/1430/1450 UTC

594 594 594 1 780 80 780 80
06982 37610 33926 78369 52276 02752 72102 40494 76086 68569
49949 18022 48118 79710 36813 93526 38820 39268 69687 74941
25776 86893 78155 31199 56927 32699 59077 07028 87604 61808
44586 28364 43816 16239 49358 77595 79902 85066 11489 26808
06991 14149 82676 83952 84894 80602 78988 14064 45635 89383
57250 39503 02529 72515 46104 70501 59342 00519 11973 20602
19604 69396 64320 55589 61513 14752 00974 91770 85166 14953
46758 14706 97088 44929 44125 26672 08314 68978 55661 74878
000 000

16354/18654/19354 kHz, 0700/0720/0740 UTC

16354/18654/19354 kHz, 02-09, 0700/0720/0740 UTC

363 363 363 1 2776 63 2776 63
98712 96061 32419 78012 25655 31988 06656 14699 42747 03220
41439 19675 38751 28627 63845 54416 86508 47416 58481 94377
58761 91413 73337 12231 96512 73745 50561 02645 73554 89905
28005 03498 05830 50682 89254 67567 43034 89176 69693 05372
00571 87591 27769 83959 25561 75268 50071 18258 78446 65042
66013 80453 92286 26769 97998 48318 75723 19679 85627 80403
86336 95415 67310 000 000

17452/16272/14875 kHz, 1500/1520/1540 UTC

17452/16272/14875 kHz, 13-09/16-09, 1500/1520/1540 UTC

428 428 428 1 7357 63 7357 63
24494 35462 49533 14768 67978 98952 76851 96897 24990 26455
31367 47534 64695 48872 36272 11904 57547 62165 86017 64252
54383 53263 93041 73402 39993 30312 52949 87825 82662 45061
01047 70470 69086 26782 38078 11492 47396 38311 00248 19752
09355 86707 33399 67590 55716 40238 59950 38889 05020 95622
36220 64440 40348 60964 56693 69763 02834 31438 24567 05297
49758 73644 33368 000 000

17452/16272/14875 kHz, 27-09/30-09, 1500/1520/1540 UTC

428 428 428 1 7247 137 7247 137
92885 06785 48169 84886 23424 26359 84571 09948 57074 53646
17733 25540 05973 35602 15575 94962 80381 33749 56991 97420
33900 78056 86977 64449 91281 79786 36353 48451 18508 32780
40024 63913 58466 09570 90345 37908 75088 88322 11574 03768
85826 68878 16605 99704 70036 30569 83798 57338 38652 02066
30648 47757 31044 11667 38451 50979 36933 07428 00561 48593
81315 72050 88802 53783 20239 43381 74789 93171 76229 16944
22879 75527 26821 38915 61646 33631 24538 37477 66685 81941
00573 08245 74571 55991 55812 89953 02336 50835 35039 94477
46424 44424 65732 48368 34580 43509 36404 81149 91185 75083
24858 40033 08762 28628 44890 78299 38806 45439 53411 66996
10215 22852 49289 83272 75799 80419 94122 68616 22355 25918
36276 83579 47036 07461 48230 55207 38902 72180 18591 30336
81513 48538 58315 61504 76307 46784 07201 000 000

E11a

15905 kHz, 05-09/09-09, 0830 UTC

189/37 Attention
09807 20476 77042 04585 22645 76789 32000 10952 20948 22925
77495 05710 21659 24111 68687 60839 83532 33756 91889 76389
63626 33355 23866 49410 81672 70140 58240 11172 62598 96626
93295 32060 66650 74872 64431 20473 10457
Attention (message repeated) Out

12202 kHz, 05-09/07-09, 0845 UTC

710/31 Attention

49635 81426 32946 59490 89068 54486 18614 36386 70152 31051
58868 53672 36264 61114 09719 58745 26591 84051 90395 75643
40792 22536 75198 29615 77479 21392 78452 08196 37052 13078
21447

Attention (message repeated) Out

5371 kHz, 05-09/08-09, 1300 UTC

310/39 Attention

55451 02590 39254 19080 68381 81532 85054 91194 43572 41198
47376 46033 67333 46759 35932 41785 68521 89739 92857 99986
62594 15067 41210 98064 62929 53087 81705 57710 07283 53676
59970 26204 08364 05423 78411 35895 03208 85157 87303

Attention (message repeated) Out

8423 kHz, 06-09/08-09, 0645 UTC

514/35 Attention

22895 75136 45676 84175 75722 49492 77337 09356 95322 53395
32914 66867 69101 98050 05926 52583 50833 14884 34202 59945
18212 11498 75732 48639 58730 18133 92134 99255 27036 87442
39501 39557 75952 96499 67036

Attention (message repeated) Out

8180 kHz, 06-09/09-09, 0700 UTC

576/32 Attention

18831 61121 14134 74248 25845 62292 86073 44248 00411 32869
46243 53031 57600 26808 44728 99848 75613 29957 59795 92354
59519 06490 00204 05531 63105 68538 20244 40110 05335 26498
59972 30947

Attention (message repeated) Out

13908 kHz, 06-09/08-09, 0845 UTC

156/35 Attention

26170 66664 87890 98785 91294 57917 00815 69299 87003 69471
54787 57679 63988 92909 83925 88033 45169 29091 34880 17528
00203 33664 25596 34081 36273 90239 32115 19172 80723 89769
23344 51061 21886 82825 13120

Attention (message repeated) Out

6923 kHz, 06-09/07-09, 1205 UTC

463/33 Attention

60647 17720 01601 75021 96186 35307 17683 96006 68245 53432
98816 26929 17026 83363 30590 06864 75594 67309 99489 86037
88995 65705 67443 70867 49237 45083 45479 62187 16528 66977
83598 96861 59481

Attention (message repeated) Out

12530 kHz, 06-09/08-09, 1230 UTC

330/40 Attention

72939 78325 08947 95660 42871 73065 00404 08212 62893 87828
39902 55182 72399 11808 58392 37923 94269 88857 57134 94110
85574 38108 83782 20029 75085 32170 45536 42288 51340 49687
74149 04616 51195 59650 46602 41615 93177 34324 46569 66726

Attention (message repeated) Out

5176 kHz, 06-09/11-09, 1605 UTC

237/35 Attention

66799 16056 71277 25188 14927 10472 18323 06166 36638 66553
15344 67178 85474 73341 15824 99780 10134 87291 27680 92946
01738 75119 95191 59669 13752 73820 49758 87132 52212 05857
59776 78645 69257 87972 18064

Attention (message repeated) Out

14865 kHz, 08-09, 0745 UTC

223/35 Attention

83996 26177 79342 56683 41560 48292 61887 44738 24293 57506
95260 23133 65639 99400 46375 37641 41777 09632 66609 89205
49632 55414 44565 41509 64276 42870 63736 07429 07972 98764
64310 86642 52411 01760 33912

Attention (message repeated) Out

5737 kHz, 08-09/11-09, 2000 UTC

521/38 Attention

60881 96332 27145 16222 38887 63121 78281 27174 04405 90011
99890 09340 51010 47363 91265 80341 30127 52201 71118 04889
40167 49742 82204 25747 18489 60829 00912 98458 26289 85202
48617 59843 76471 93621 62077 22519 43366 90549

Attention (message repeated) Out

11092 kHz, 14-09/15-09, 0315 UTC

258/31 Attention

27064 86972 61833 70210 96264 77858 10141 88907 37965 24532
34560 11226 25789 08551 57117 45694 19231 23293 79837 75151
31351 61332 12345 56320 88365 26317 31587 62900 61185 01169
80751

Attention (message repeated) Out

10213 kHz, 12-09, 0745 UTC

10330 kHz, 15-09, 1530 UTC

268/33 Attention

75931 15499 21682 37495 01012 45459 41819 91625 82260 60785
92240 28135 30637 54932 83830 43272 86739 34075 37188 27579
31054 59425 77368 43880 61545 18299 64400 67570 22643 56313
48058 59335 03099

Attention (message repeated) Out

5371 kHz, 12-09, 0450 UTC

7864 kHz, 15-09, 1730 UTC

413/35 Attention

81736 85630 61449 68490 94371 91357 46257 70102 61761 90822
89167 47483 99274 30091 46916 15227 26888 03730 73981 47394
61823 10943 89311 97851 16013 92561 56983 53354 34705 51282
86730 19180 42578 41163 55603

Attention (message repeated) Out

11116 kHz, 16-09/18-09, 1815 UTC

921/34 Attention

97424 05604 88822 64990 32366 18759 72945 33854 21378 54117
15799 78838 73952 33856 01376 49151 41617 40660 77241 17267
08449 91904 60312 36096 17831 97027 66147 95788 17980 84644
07445 88905 40328 90397

Attention (message repeated) Out

4505 kHz, 17-09/18-09, 1530 UTC

368/35 Attention

88348 14760 93486 56205 84427 10065 99449 53114 38629 28022
22498 79708 72316 18023 16458 13538 70190 16245 94056 79800
63164 24273 09915 39853 91982 71026 34227 04847 41541 33401
56585 74573 98647 74226 45475

Attention (message repeated) Out

14865 kHz, 19-09/21-09, 0640 UTC

949/26 Attention

19374 00021 83248 94419 46427 89074 10908 14586 10883 67360
32242 92310 19079 04512 23110 82831 74338 03129 71961 30476
63631 59584 23472 69695 09625 27346

Attention (message repeated) Out

15632 kHz, 19-09, 0715 UTC. No transmission

15632 kHz, 21-09, 0715 UTC

754/34 Attention

32391 71997 58039 37004 96368 45618 01011 61841 47439 48734
77895 93911 85783 38141 04237 78610 59524 67272 69258 85389
48029 19909 10587 91718 44356 77303 77700 32054 94105 95758
74369 90051 89754 58378

Attention (message repeated) Out

9968 kHz, 19-09/21-09, 0900 UTC

538/31 Attention

41631 86346 83057 95933 53871 17649 44000 19956 71830 85220
56740 20364 21896 11446 00191 86088 83427 03001 45691 45293
56716 02626 91396 81721 54923 12562 28456 60340 90444 53709
74692

Attention (message repeated) Out

13470 kHz, 19-09/25-09, 1745 UTC

247/38 Attention

73447 83430 87500 26063 67277 32299 15546 07067 46534 60793
01613 64322 04043 87028 04889 21569 61781 80105 86294 10348
62363 03386 56764 74708 04705 33543 87298 16190 35558 77944
47087 13134 54501 22413 09491 33305 08340 35005

Attention (message repeated) Out

9963 kHz, 20-09/23-09, 0715 UTC

630/31 Attention

87621 15023 12956 50512 02785 84232 14106 10999 06051 76243
40882 63970 82333 44656 26979 30266 90077 19237 92025 02763
46993 91324 56078 70185 92968 38412 62703 39126 32668 68403
55456

Attention (message repeated) Out

14972 kHz, 20-09/24-09, 1430 UTC

918/37 Attention

09996 54586 07138 95668 71883 52369 28188 58090 29064 06341
82501 69581 51984 40685 76499 77916 61895 42998 90230 63843
00078 44442 84942 11217 05227 83437 27885 94104 28957 75578
18472 93409 10467 86632 75161 38999 78921

Attention (message repeated) Out

6940 kHz, 21-09/22-09, 0930 UTC

279/40 Attention

57205 99308 71439 55733 66276 43523 82287 71317 86387 49688
70141 35839 01244 66584 31909 02880 09231 84494 87591 31385
82457 15779 07137 80945 74207 51506 22733 23655 83623 24973
64780 95076 59420 22172 21384 65105 61160 50426 14509 13497

Attention (message repeated) Out

6923 kHz, 21-09/23-09, 1715 UTC

974/37 Attention

69051 85851 43037 71542 40327 49715 70938 83827 70779 27109
70831 12480 35225 86045 11857 35045 25571 64686 11149 54672
32371 17095 12801 30937 06859 16999 98445 46755 52974 11006
06569 41776 89786 18375 20802 10036 76916

Attention (message repeated) Out

4181 kHz, 21-09/24-09, 1910 UTC

396/36 Attention

35771 93723 46081 14524 54313 26021 62454 10187 77260 04877
70969 60490 19707 86134 90069 30801 58059 25338 83244 36135
18526 75036 62399 46740 32397 35835 00620 34736 70599 55465
15820 94045 40973 79819 40781 53739

Attention (message repeated) Out

8680 kHz, 23-09/25-09, 0600 UTC

350/32 Attention

05136 75598 00207 84616 42880 98762 62898 29333 20797 05190
14919 64568 76357 44300 68342 06657 41905 77293 04196 79395
39482 08111 13870 47611 44297 42686 03811 26379 39323 56552
15915 06265

Attention (message repeated) Out

8530 kHz, 23-09/25-09, 1910 UTC

610/36 Attention

22870 97547 67509 47974 23277 62381 47486 34494 26462 89160
16999 16194 10684 08753 60651 72347 73065 72732 65229 34355
87427 85980 69737 80233 80103 82618 91767 05352 25175 35124
45730 09019 11317 71579 45338 34503

Attention (message repeated) Out

9079 kHz, 24-09/25-09, 0700 UTC

492/34 Attention

40741 68210 66495 46368 81088 12222 84742 24827 98010 98627
61476 48754 66107 78426 11829 08653 81147 72977 77877 73272
84553 78031 30303 29671 84726 32348 11263 79171 30537 97425
49425 81358 99574 05529

Attention (message repeated) Out

7317 kHz, 26-09/28-09, 1045 UTC

691/28 Attention

78641 17860 39300 29525 68843 01318 30377 08034 35671 89248
72052 82280 50390 40374 38762 84698 54021 76473 11599 15543
00559 87624 88604 53818 45752 07634 68314 73695

Attention (message repeated) Out

7317 kHz, 26-09/29-09, 1900 UTC

643/36 Attention

64058 13741 75084 46114 60503 62537 33734 49800 53950 15241
47680 45229 38009 26209 34903 54240 47814 18014 45699 94506
85451 43554 51679 69059 63851 11579 94776 96795 65870 40661
98557 96387 75875 44706 70333 96258

Attention (message repeated) Out

19184 kHz, 27-09/28-09, 0820 UTC

132/30 Attention

71998 48137 43752 01926 38804 04928 34870 93827 37186 36454
66977 14554 50496 50747 17354 97267 42714 05932 18428 27802
18774 21170 30683 20674 27426 11894 90504 10455 62895 94454

Attention (message repeated) Out

9951 kHz, 27-09/30-09, 1000 UTC

300/36 Attention

88326 45767 56248 95988 04981 84706 54797 40694 57507 92859
17606 82022 81383 21734 06768 32941 10019 79896 92471 61812
89315 17093 43849 61253 77267 03181 62828 57718 40044 39072
41385 70905 19419 56466 06559 53747

Attention (message repeated) Out

17410 kHz, 28-09/30-09, 0745 UTC

344/31 Attention

76016 62345 51706 08941 87937 42093 61690 77756 65388 45796
 44745 05794 12956 94577 00817 13867 96860 31658 34368 22329
 08998 61955 73870 68693 78017 66565 61222 92522 97597 32478
 39659

Attention (message repeated) Out

5941 kHz, 29-09/30-09, 0820 UTC

438/31 Attention

81062 57676 17920 94466 94489 17014 93496 21647 29393 77546
 98601 44268 63798 87648 37027 07797 77022 60102 58159 70437
 92350 42950 32720 32238 45441 42198 86084 46438 80920 52701
 49262

Attention (message repeated) Out

S06 / S06b**10755 kHz, 05-09, 1615 UTC**

975 864 52

81569 39225 79473 85522 89523 51982 69821 78172 97861 21740
 72130 23246 20459 68824 17797 01527 55253 28024 81225 62358
 10563 23900 75136 93925 25237 15335 92063 24496 43609 14008
 15479 71798 31162 06486 48987 82743 41854 34609 37026 30656
 73048 13872 75497 62217 68967 94474 35791 11304 58634 94742
 50616 21903

864 52 00000 several restarts

13896/10381 kHz, 06-09, 1500/1600 UTC

901 2 11111 00056 901 2

387 156 42

20030 91036 73166 87576 44872 14725 91648 93372 06699 17674
 23400 76924 47160 27142 74815 95669 55760 77252 24484 57467
 21393 35396 98987 18354 14829 83430 22629 49912 19351 39596
 70768 24717 51715 32096 81461 93282 40645 60268 05092 50952
 55012 04300
 156 42 00000

11073 kHz, 09-09, 1045 UTC

352 786 51

96906 85458 66315 62760 39232 84930 15690 33691 33998 58452
 77374 90508 50196 50666 47984 58353 98847 18318 94432 62697
 36737 67659 34664 01704 72184 02091 69654 75079 52571 78512
 59967 30012 38280 95785 56357 10487 92753 63776 49706 20684
 43353 26391 68974 38524 92702 37062 57860 40197 85214 10109
 24262

786 51 00000

10755 kHz, 17-09, 1100 UTC. Several restarts and errors

975 610 23

09309 96398 48855 70701 85231 46915 13130 21284 13007 79152
 36321 23333 34083 40552 32686 98379 07366 56868 62124 76565
 11753 38583 32004

610 23

975 801 31

09309 96498 49855 70701 85231 46915 13130 21284 13007 79152
 36321 23333 34083 40552 32686 98379 07366 56868 62124 76565
 11753 38583 32004 69785 69541 09045 61878 23406 13569 09674
 14785

801 31 00000

Note by PY:

Obviously the two messages come from the same base, but it's interesting and a bit disturbing to note how they started off the same "wrong" message, but decided to "correct" different groups in them - respectively group #2 and #3 - ending with different results.

Group Count Cycle net

No S06 842 transmission observed this month. The last known transmission was on August 4th; that schedule must have been retired.

S06 target: Far East

11616/9322 kHz, 01-09, 0400/0420 UTC

480 291 55

11232 43764 21522 08557 73866 70552 26966 10389 41531 28629
52340 93385 42895 96178 37769 79138 65786 86627 96837 42874
97830 70605 20174 00115 03526 80045 89677 46563 67419 42841
45579 62151 58096 21516 73516 15186 92645 54328 03823 27525
06313 22261 40208 86732 57004 90317 60019 16137 19356 96584
53272 38746 48025 87478 92640
291 55 00000

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

480 573 61

12278 62957 78548 05310 97226 42792 02700 98506 63204 61606
86224 87530 85915 66162 79127 78330 49776 26845 49906 71288
21118 72468 03348 68925 80490 20494 75367 68863 81218 38597
84593 40482 26424 98518 45370 08701 81691 08139 71876 93326
65566 32711 28054 77408 85067 41194 03007 03033 08413 38620
16592 17996 92135 70430 84866 21794 04790 09730 00086 84368
14412
573 61 00000

11616/9322 kHz, 05-09, 0400/0420 UTC

480 691 55

29264 67669 56026 62310 55416 50288 00962 08980 12673 25951
75306 06468 56957 71717 26546 78112 09515 91639 39074 41570
12032 36116 49721 80179 52166 73294 23523 15583 95426 92219
88190 73807 84336 42396 50703 61998 90820 39477 44475 97972
32750 91743 80513 59800 90590 27077 01034 47591 85075 25106
58941 74673 01865 84217 71633
691 55 00000

11616/9322 kHz, 06-09, 0400/0420 UTC

480 532 66

70166 13895 10526 75637 96068 23003 58643 52061 72100 46445
60922 32052 31352 20742 30309 07082 39858 94398 76010 31561
86531 71335 89376 95994 67730 27455 95500 28765 14886 42546
81490 81203 38638 14709 37329 75659 87913 49481 70272 21238
47374 40863 78718 26906 21697 86427 96494 66648 80093 03688
43479 76358 59526 39939 43517 87158 50057 92730 95561 24832
10757 83174 08962 30059 89623 49279
532 66 00000

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

480 769 51

48123 09744 18224 47127 72113 64263 10454 40306 67582 36666
83593 40840 40440 31863 14037 64861 17118 85900 76423 32605
09021 81942 92307 55536 66909 15963 27375 66156 48673 29332
23122 20167 48910 50485 73951 25688 63766 12864 85611 79216
89463 41306 75926 13003 77961 24090 03740 83551 98173 12804
37027
769 51 00000

11616/9322 kHz, 08-09/09-09, 0400/0420 UTC

480 140 52

07179 49255 02843 09985 82566 59055 80531 63637 85765 94159
73738 28962 63023 04610 01801 23217 78533 75916 89891 35437
68273 16937 02201 61049 56813 62703 49807 10020 41807 15632
90457 74473 75851 73535 62420 66727 00387 17906 19614 63667
11340 60878 60185 18411 61195 74325 65741 25199 27179 49521
93406 48436
140 52 00000

11616/9322 kHz, 12-09, 0400/0420 UTC

480 713 62

32947 37007 74048 17708 26921 45838 21131 08264 58059 06520
15388 63403 00964 96808 44417 90124 10708 67550 14763 57751
91907 06734 65954 36852 37015 49739 15490 92924 38545 59213
51975 20822 04913 23015 18583 30827 34577 43660 54045 22326
28163 17714 83338 06025 43269 28550 75275 60627 21633 00945
09171 34929 43348 90906 17781 31263 87818 09209 98698 31220
06146 02048
713 62 00000

11616/9322 kHz, 13-09, 0400/0420 UTC

480 295 61

32947 37007 74048 17708 26921 45838 21131 08264 58059 06520
15388 63403 00964 96808 44417 90124 10708 67550 14763 57751
91907 06734 65954 36852 37015 49739 15490 92924 38545 59213
51975 20822 04913 23015 18583 30827 34577 43660 54045 22326
28163 17714 83338 06025 43269 28550 75275 60627 21633 00945
09171 34929 43348 90906 17781 31263 87818 09209 98698 31220
06146
295 61 00000

11616/9322 kHz, 14-09, 0400/0420 UTC

480 671 52

31377 99855 70484 29289 98988 87802 68162 49872 75269 98056
73720 99393 83006 94714 33501 13840 98494 16066 97999 15983
62030 70796 21668 08122 10377 44067 12020 11407 42139 68136
01510 18938 51986 37219 40586 54812 94657 71276 35384 56321
64694 58421 78480 21480 02828 30610 46153 89073 64971 52345
60582 43412
671 52 00000

11616/9322 kHz, 15-09, 0400/0420 UTC

480 325 61

77175 09858 69740 42736 56787 03317 96729 89737 19950 99256
73841 46239 76615 50541 55893 13849 47402 98129 12019 34884
02164 57672 27366 44629 40059 13612 42399 11593 09569 13011
90734 70438 91883 76253 21450 77269 96116 66849 16802 41977
39763 87487 41292 17319 12858 94561 83018 49425 49253 48335
73250 19422 53476 40935 95161 30847 56571 69372 17662 22562
99406
325 61 00000

11616/9322 kHz, 16-09, 0400/0420 UTC

480 961 53

26584 26841 86376 68509 99065 16560 71151 22611 11913 40813
34202 55281 04819 65526 20694 12437 67381 83722 70919 46403
81494 71234 45848 46079 95946 78441 29583 67989 45411 43988
41683 16647 61026 41404 14041 47674 76735 94583 11988 92111
44590 23035 04341 25357 73195 02867 12046 29170 31488 54426
90134 20187 85037
961 53 00000

11616/9322 kHz, 19-09, 0400/0420 UTC

480 273 51
34154 68992 79481 76131 19006 49487 97420 14544 11580 99593
07458 78947 88194 73135 14914 51986 17222 62734 11687 12058
60257 99390 42887 10288 75726 64268 34524 52669 48370 29874
68154 17084 93046 72823 13448 59854 06293 25369 54591 91546
64056 57890 71490 26697 89100 09529 61681 37152 36419 09154
13915
273 51 00000

11616/9322 kHz, 20-09, 0400/0420 UTC

480 596 60
83305 05733 70000 72330 15620 40700 14381 54744 94230 94273
03956 06753 52958 71480 58537 75823 46211 12705 16684 12928
94742 26168 16848 72020 51798 70461 88774 60792 25623 10814
53595 34873 19252 61781 56047 52688 73517 46059 77258 33142
24223 24090 01544 83321 09414 74158 35630 88405 87679 27662
03774 80973 53431 89250 67182 31889 60088 96509 41201 29961
596 60 00000

11616/9322 kHz, 21-09, 0400/0420 UTC

480 321 64
95074 13002 83987 83091 11629 05056 79240 77134 85087 60360
54708 43648 35690 64366 33919 56592 89838 07173 32765 97457
40130 52412 47709 15032 37896 68740 56969 50098 10466 84862
39392 48516 20310 54024 40674 11114 08272 38920 41648 53843
88071 52946 08299 76621 84261 18741 28205 64295 30829 29947
63101 68187 72628 27126 72232 41626 36840 23789 86202 27939
66627 43442 35995 24304
321 64 00000

11616/9322 kHz, 22-09, 0400/0420 UTC

480 759 61
51085 76654 80550 08916 63358 64591 70568 98067 41456 01821
15728 45400 18096 46545 55063 61185 95208 36216 89878 97141
32330 48276 81183 02330 89863 35207 18702 36970 41890 07335
28656 80100 58221 61831 12506 92019 60371 81339 33830 17459
81145 50667 95546 40405 62531 64980 74641 26532 11576 27948
06614 14155 98939 63254 36815 39669 29811 87933 80863 08389
41876
759 61 00000

11616/9322 kHz, 23-09, 0400/0420 UTC

480 126 53
41943 27817 71648 45464 24596 79225 15808 83790 13545 58889
30422 46835 21116 70892 23190 84495 28805 57747 56842 36277
38418 24850 15175 80217 10423 00975 49258 82679 06688 20736
33511 97467 79809 39966 86321 87699 76208 19934 34915 68863
45177 41357 29137 96508 71076 34126 33853 47001 70867 33702
54658 64781 24155
126 53 00000

11616/9322 kHz, 26-09, 0400/0420 UTC

480 739 51
17726 51826 33564 21293 94541 55704 70585 87840 00789 86018
75289 65581 03464 83599 55992 91969 44204 03477 97096 10282
20722 15828 32571 80771 61310 72256 46094 25121 65857 04589
33787 83879 11789 48380 90491 91578 48408 08314 05514 99215
28032 07681 78779 98778 47401 89130 93328 29520 97761 58880
05156
739 51 00000

11616/9322 kHz, 27-09, 0400/0420 UTC

480 562 70

39590 39841 20911 63448 77624 58719 54065 99102 85676 49726
 72097 50648 82272 86710 25385 50617 08273 39969 70367 80988
 47474 72992 22031 79358 76212 84230 31487 70599 40406 86066
 49591 28694 83481 38185 62535 98434 73612 77520 10340 31671
 03712 11980 24211 17796 62621 70114 43665 13162 00922 23947
 99388 99103 39814 27118 72751 23267 96506 35565 67920 03924
 24540 02896 57507 01961 92487 67668 87690 90238 49484 74743
 562 70 00000

11616/9322 kHz, 28-09, 0400/0420 UTC

480 731 52

66665 41409 23276 65780 31182 82759 89400 20884 67274 57027
 84357 86726 16525 27178 73255 15195 45068 32455 70153 40815
 21710 72719 28532 76871 17237 98753 61554 60439 48354 25706
 78043 76040 14695 11869 45124 12593 02326 69978 13459 33351
 52202 03216 66025 63520 16993 83110 76356 25241 54729 11516
 87200 74612
 731 52 00000

11616/9322 kHz, 29-09, 0400/0420 UTC

480 925 51

84947 85093 53673 30554 83644 11279 79250 87453 92003 66430
 91984 87091 25416 86458 41232 00262 32845 66154 25830 20526
 54045 39042 62097 48021 57354 60060 66016 44067 31480 58269
 85492 36265 29731 51756 43667 78767 90133 41950 79189 97414
 79853 29500 94406 74421 37379 18935 47395 52301 10897 04283
 48785
 925 51 00000

11616/9322 kHz, 30-09, 0400/0420 UTC

480 613 55

66061 78840 16303 53186 19292 52315 25254 30744 95603 99063
 97732 50788 03910 80128 96351 88373 04411 96206 97999 70005
 14968 38223 40490 75638 64823 74733 53288 61083 50381 49570
 39520 36759 72737 88185 01422 63730 61610 36122 26447 52973
 15403 78049 76200 78791 12062 10805 45391 42340 70422 68875
 82992 46178 66733 25759 92798
 613 55 00000

S06c**10875 kHz, 15-09, 1030 UTC** 11214 (R)**S11a****8597 kHz, 05-09/08-09, 0700 UTC**

476/31 Vnimaniye

37861 31245 35833 25701 34376 02440 04076 89948 34228 42333
 46877 95651 15015 76824 90877 60420 09438 46038 58299 93069
 66431 45992 17585 43500 12126 85282 28672 06921 38740 50297
 10308

Vnimaniye (message repeated) Konets

10213 kHz, 07-09/10-09, 1850 UTC

288/39 Vnimaniye

86288 14028 64740 16942 47959 07495 84797 61719 65490 22944
 22446 91161 71048 79099 51573 39288 76988 12528 91437 11234
 43407 27015 65445 29255 33156 46952 37897 78847 34283 79459
 10397 47898 47770 81265 19835 30471 65463 39321 18843

Vnimaniye (message repeated) Konets

6433 kHz, 10-09/11-09, 0830 UTC

371/34 Vnimanije

97623 75981 94716 78481 92192 55581 39931 54844 53842 28439
45425 94579 76205 91044 55424 19230 07876 24407 86726 30765
00040 50657 58754 74966 53074 46019 10677 25514 76893 82702
38866 14581 47020 46069

Vnimanije (message repeated) Konets

6480 kHz, 12-09/16-09, 0915 UTC

486/37 Vnimanije

60206 65288 02246 73522 80919 37701 21844 47899 80436 24119
54917 01033 50073 55049 75990 14513 30998 63950 27377 46085
98372 46348 12909 88376 38170 14678 12418 65940 16349 78464
85028 83923 21042 98254 47387 63092 41610

Vnimanije (message repeated) Konets

10728 kHz, 13-09/15-09, 0445 UTC

798/33 Vnimanije

15357 97275 75056 04263 31153 96186 37292 61543 53473 78861
98665 78902 04430 56906 18785 85415 21808 28119 36145 03064
99769 67107 17095 89988 82945 23885 47267 84385 86839 26296
45872 85530 30063

Vnimanije (message repeated) Konets

14769 kHz, 13-09/15-09, 0500 UTC

383/37 Vnimanije

48425 20771 50236 64040 46721 84416 34961 55577 79481 11261
80120 89286 38269 33970 23668 27316 69982 27441 71747 91523
86225 24005 33795 03021 15112 93747 80709 16051 04032 28729
10757 74919 55138 02734 98714 87286 15076

Vnimanije (message repeated) Konets

6797 kHz, 13-09/16-09, 1400 UTC

420/32 Vnimanije

32146 61222 46198 91380 48831 70352 14098 35667 64462 95435
75130 89367 37648 51159 25775 77329 68756 07619 71958 14799
35220 06435 51445 91906 52732 57179 11602 56465 73098 05665
76987 91320

Vnimanije (message repeated) Konets

11116 kHz, 26-09/28-09, 0510 UTC

657/31 Vnimanije

61796 24258 39815 44979 59831 08896 79588 55762 93889 34059
36049 48407 17813 90868 63349 26658 79730 43595 11538 98698
27508 52934 93396 95079 76108 01147 58126 95459 47983 92186
96527

Vnimanije (message repeated) Konets

S25

18697 kHz, 09-09, 0907 UTC

66753 (R)

18697 kHz, 09-09, 0920 UTC

753 753 753 42336 42336 (R4m)

753 753 753 44596 44596 (R4m)

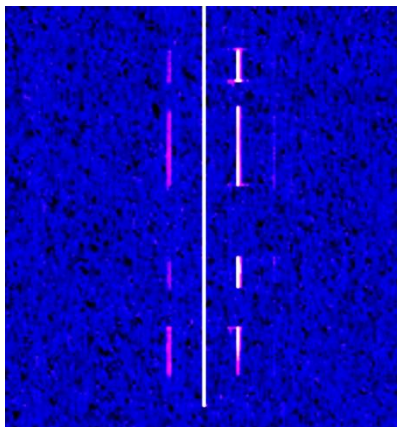
11111 00000

18193 kHz, 14-09, 1035 UTC

038 038 038 84113 84113 (R4m)

038 038 038 70203 70203 (R4m)

038-



Note by PY

Message cut off abruptly and without proper S25 ending, silence for 55s before several short 800Hz tones and then carrier out. (see pictures) That stray 038 was apparently exactly when it should have started transmitting something else instead, like a new group or a 11111 00000 outro. Makes you wonder.

V07

13464 kHz, 28-08, 0300 UTC

415 415 415 1 1393 78 1393 78
30748 72944 80824 12410 03062 37575 32885 11735 53042 29154
39460 68352 36671 52982 89882 99442 15462 36371 70307 85043
80920 14420 85270 09330 99905 02038 60108 64701 96007 89367
76831 13148 88157 53062 97218 36453 75872 60506 82727 68866
40174 52616 80690 75206 96465 29214 25431 53039 70295 45820
44725 12069 81793 86255 15527 55855 84557 06885 89584 35216
58174 56650 13187 39736 70719 31222 78945 94066 15399 59950
96058 11995 92822 76691 80388 99857 90236 17021 000 000

13535 kHz, 04-09, 0100 UTC

511 511 511 1 4869 102 4869 102
58369 96719 97361 25068 91950 96094 16416 78338 50618 60173
90051 12420 29230 62348 99652 25868 92002 54843 69004 58824
38162 81637 25793 12052 08985 76929 36683 35000 06912 44829
26910 44697 86598 21150 11218 73886 82932 29390 18620 20209
25489 17387 76545 35615 45996 12553 21312 20078 55431 49249
90369 85750 38619 50199 34785 72529 04910 71773 24201 98821
81797 74349 66905 68665 61291 02154 39083 96184 79887 17412
91642 76966 10336 60052 90255 45233 19590 80709 49348 44701
48345 51478 33725 13882 32027 85887 19185 27387 95874 14380
56294 18407 57938 34875 46793 17110 21534 41569 99310 06862
53967 02404 000 000

13535 kHz, 11-09, 0100 UTC

511 511 511 1 5355 66 5355 66
97607 61619 17832 82650 20684 86666 15667 47165 63689 98135
49919 16541 06342 68812 09886 98824 45434 95928 53860 72974
32701 56265 52560 71096 84696 44530 16628 55601 72733 54569
15550 70474 38984 61518 66408 38207 21729 51169 49970 18997
73498 80098 48536 99427 13506 84075 87747 82232 81409 62738
11669 45225 26940 62191 70139 59816 18421 03991 02192 92876
17205 34910 82147 93967 27030 83294 000 000

13535 kHz, 18-09, 0100 UTC

511 511 511 1 7346 120 7346 120
52576 20635 67209 49063 94178 76434 54404 87213 00019 28921
53019 98933 38768 98319 22231 99968 31906 82610 76726 16162
30532 01812 71030 41372 84038 24813 05803 84237 27424 12584
81976 01267 84950 21307 12095 07535 91913 09360 84894 86664
11486 39880 91067 51416 56481 24822 01880 29302 96073 46232
91888 55282 04538 22849 36573 31352 09575 83018 44998 30630
06926 36608 01595 47128 52724 00628 00121 89589 40974 92578
50555 22664 77768 99497 57585 71010 02749 62744 82488 77047
66500 46726 72492 15074 37744 72483 30613 12943 72029 66228
56190 61645 49950 60932 28547 02837 08996 08763 23940 16185
90905 62014 67006 91087 38389 42988 69176 09197 16160 74059
84739 27296 02617 49636 23818 07435 36488 81079 45427 52423
000 000

13535 kHz, 25-09, 0100 UTC

511 511 511 1 819 126 819 126
17014 63642 09940 27646 73843 60293 90299 65438 09419 07472
37348 83559 73240 99640 80504 88286 41587 22933 27521 69677
52555 18453 70887 33601 19150 19349 23725 68926 46045 76362
16332 18079 31944 87356 67942 29293 09469 88999 20576 07452
59769 72730 50809 54806 24121 28210 77209 06708 55120 82493
90309 48422 62550 72015 50713 24387 28518 38222 30857 96161
84673 01578 03318 45778 74865 92161 00273 41375 46622 46397
13822 55217 05805 11210 64183 50835 02514 19476 89977 69508
46768 29172 65471 23950 50111 07609 88385 45469 38758 72701
18656 14104 39374 88356 81249 42439 17163 11271 58819 02283
25502 44223 49796 39728 89430 19382 37254 81383 17852 29550
02509 10948 72685 98410 89862 63395 08286 42443 60977 23957
52439 91730 60020 68615 67699 64657 000 000

V28

Good to see that V28 from North Korea is still alive and kicking. Logged by HK and Philby.

4506.0 kHz, 25-09, 2109 UTC	Parrot. Female operator
5049.5 kHz, 25-09, 2109 UTC	Parrot. Female operator
3032.0 kHz, 26-09, 0911 UTC	Parrot. Female operator
4504.5 kHz, 26-09, 2100 UTC	Parrot
3031.7 kHz, 27-09, 0900 UTC	Parrot
3518.7 kHz, 27-09, 0900 UTC	Parrot
4504.4 kHz, 27-09, 2100 UTC	Parrot
5050.5 kHz, 27-09, 2100 UTC	Parrot https://youtu.be/kS7r9eWz7gA
4504.3 kHz, 28-09, 2101 UTC	Parrot. Female operator
3524.4 kHz, 29-09, 0900 UTC	Parrot. Female operator
5236.0 kHz, 29-09, 0900 UTC	Parrot. Female operator
4505.0 kHz, 29-09, 2100 UTC	Parrot
5049.0 kHz, 29-09, 2103 UTC	Parrot
3525.0 kHz, 30-09, 0900 UTC	Parrot
5231.0 kHz, 30-09, 0900 UTC	Parrot
3046.5 kHz, 30-09, 0902 UTC	Parrot

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

4450 kHz, 01-09, 1333 UTC, USB
5017 kHz, 01-09, 1333 UTC, LSB
5632 kHz, 05-09, 1315 UTC, LSB
4450 kHz, 05-09, 1315 UTC, USB
5632 kHz, 29-09, 1303 UTC, LSB
5632 kHz, 30-09, 1302 UTC, LSB

VC03 - Chinese Air Defense

7788 kHz, 11-09, 0757 UTC, USB. in progress. Message exchange between two stations. Copied by VSh

Station A:

...0454 6730 7580 1152 5046 4052 7019 0848 4105 8203
720- 更正 (Correction) 7230 1523 5182 0183 1845 8912
7709 2049 0513 9268 2863 0175 2441 4897 1831 8989
0971 1660 2730 5149 8229 4557 7013 2979 3704 7949
4997 1651 3209 0395 5117 3580 4508 3048 9770 7962
3243 6903 4570 8789 8750 1084 7274 7082 8421 3940
6954 9491 4881 2303 4281 2147 4254 1656 7448 8693
6509 1451 6270 0462 6819 4593 3487 2583 0737 2501
9525 4964 8055 7273 0153 7181 4243 9805 9216 9237
Page 01 finished, how's your receiving?



Station B: Hold on please.

A: Can I sent page 02 telegram?

B: (No audible response)

A: Ok now sending page 02 telegram.

Start,

5640 3469 2725 6572 4339 8672 5631 4680 0000 0000

7330 9616 7981 2724 8470 3814 2453 0591 5598 3509

7219 2698 0361 3893 6209 7589 1871 8453 0675 9047

5418 7546 2121 0956 4275 0618 8548 2496 8210 4012

8998 7335 7844 3664 9073 7316 1647 2863 8516 2776

6891 1595 7920 6786 8473 9215 1857 5107 4305 8380

0434 2816 4021 1827 1757 5385 9774 0423 9356 7402

0379 9609 6305 6323 4230 4585 6540 4870 9839 2338

2095 4821 0743 9861 2914 8127 6329 7910 4201 1093

2691 3552 4309

How's youre receiving?

B: Hold up please.

A: Got it.

B: Please repeat page 01 telegram, 13th group.

A: Page 01 telegram, 13th group?

B: Yes.

A: Ok, I repeat page 01, 13th group, start: 7328, end.

B: Please repeat page 01 telegram, 21th group.

A: I repeat page 01 telegram, 21th group, start: 7019, end.

B: Please repeat page 01 telegram, 40th group.

A: I repeat page 01 telegram, 40th group, start: 8989, end.

B: Please repeat page 01 telegram, 61th group.

A: I repeat page 01 telegram, 61th group, start: 3243, end.

B: Please repeat page 01 telegram, 71th group.

A: You said 71th group?

B: Yes.

A: I repeat page 01 telegram, 71th group, start: 6954, end.

B: Please repeat page 01 telegram, 79th group.

A: I repeat page 01 telegram, 79th group, start: 7448, end.

B: Ok, please wait.

A: Ok.

B: Please repeat page 02 telegram, 50th group.

A: I repeat page 02 telegram, 50th group, start: 2776, end.

B: Please repeat page 02 telegram, 83th group.

A: I repeat page 02 telegram, 83th group, start: 0743, end.

B: Please repeat page 02 telegram, 42th group.

A: I repeat page 02 telegram, 42th group, start: 7335, end.

B: Please wait.

A: Ok.

B: Ok, I give you recipt: 1609.

A: Ok.

B: Can I now send telegram?

A: Ok, go ahead.

B: Ok. Number 001/77K, main number 193 24 0911 1555. Side number NYNR to ENYT. How's your receiving?

A: Receiving is ok.

B:

Ok, now I'm sending page 01 telegram please receive.

8390 6952 0939 7012 27- 更正更正 (Correction) 2370 6359 7314 1132 0000 0000

8461 7950 7328 6903 0454 6730 7580 1152 5046 4052

7019 0848 4105 8203 7230 1523 5182 0183 1845 8912

7709 2049 0513 9268 2863 0175 2441 4897 1831 8989

0971 1660 2730 5149 8229 4557 7013 2979 3704 7949

4997 1651 3209 0395 5117 3580 4508 3048 9770 7962

3243 6903 4570 8789 8750 1084 7274 7082 8421 3940

6954 9491 4881 2303 4281 2147 4254 1656 7448 8693

6509 1451 6270 0462 6819 4593 3487 2583 0737 2501
9525 4964 8055 7273 0153 7181 4243 9805 9216 9237

A: Receiving is ok.

B:
Ok, now I'm sending page 02 telegram please receive.
5640 3469 2725 6572 4339 8672 5631 468- 更正更正 (Correction) 4680 0000 0000
7330 9616 7981 2724 8470 3814 2453 0591 5598 3509
7219 2698 0361 3893 6209 7589 1871 8453 0675 9047
5418 7546 2121 0956 4275 0618 8548 2496 8210 4012
8998 7335 7844 3664 9073 7316 1647 2863 8516 2776
6891 1595 7920 6786 8473 9215 1857 5107 4305 8380
0434 2816 4021 1827 1757 5385 9774 0423 9356 7402
0379 9609 6305 6323 4230 4585 6540 4870 9839 2338
2095 4821 0743 9861 2914 8127 6329 7910 4201 1093
2691 3552 4309
Now sending info, ENYT/1609/1413
How's the receiving?

A: Receiving is ok, I give you receipt: 1619.

B: Ok.

A: Both side is ok and end talking, see you.

B: Both side is ok and end talking, see you.

MORSE STATIONS

M01

5475 kHz, 01-09, 1800 UTC

025 (R) 463 (R) 579 579 30 30
94632 46371 93463 46718 03717 83813 89416 73482 94512 45182
84432 46371 78352 64719 64517 94091 04516 36417 84914 37487
84912 45371 46573 90461 74891 46572 07382 67381 84561 47182
579 579 30 30 000

5020 kHz, 01-09, 2000 UTC. Different repat in red

463 317 317 30 30
64781 46532 46517 94617 37891 44361 **45361** 84536 78341 65748 04531
78192 63941 54672 64781 46718 36471 90152 46572 89432 74891
67481 45649 04657 27354 89156 35472 78451 90471 78395 55546
317 317 30 30 000

6260 kHz, 03-09, 1500 UTC

463 397 397 30 30 = =
81758 01970 84957 81759 74956 04978 73156 05769 05869 91654
65478 92758 19506 73276 04869 75489 73176 02768 76859 01658
76819 75648 86970 71543 25437 84756 15486 28609 65489 01759
= = 397 397 30 30 000

6510 kHz, 04-09, 0700 UTC

463 128 128 30 30 = =
27564 91758 73619 75018 76019 75910 65491 83019 71324 71096
71849 71645 03869 72859 61849 65480 01970 74930 65849 17590
65185 73819 65748 75132 75910 65840 01859 71859 65748 91758
= = 128 128 30 30 000

5475 kHz, 06-09, 1800 UTC

463 112 112 30 30 = =
 10298 20012 42014 82021 74839 37489 23940 64738 23490 67384
 20394 30495 22849 30491 67873 30498 30482 20384 10294 30498
 64738 33493 46378 38497 20983 20394 74658 20394 20394 10399
 = = 112 112 30 30 000

5020 kHz, 06-09, 2002 UTC

463 404 404 30 30 000
 73628 10293 30920 66489 20399 33948 84903 64783 74859 27389
 54673 34092 28390 36478 26378 12002 63789 12345 92383 84930
 64738 29301 37489 20391 63748 89381 83948 94093 46378 84900
 = = 404 404 30 30 000

5475 kHz, 08-09, 1800 UTC

463 717 717 30 30 = =
 76587 24354 10098 75874 96870 14233 54657 86700 14231 54657
 86758 35423 16656 47659 09087 57689 13324 56476 67687 08098
 46576 14325 55465 78698 10190 47658 39822 57687 09089 36543
 = = 717 717 30 30 000

5020 kHz, 08-09, 2000 UTC

463 921 921 30 30 = =
 47658 98098 14325 57648 68790 68759 01029 84756 57648 15433
 87687 34234 10908 64758 91870 57655 67555 26534 18767 09099
 24354 15143 46576 87890 15420 57600 19180 69878 15423 45654
 = = 921 921 30 30 000

5475 kHz, 13-09, 1800 UTC

463 821 821 30 30 = =
 75648 91657 75680 14321 65471 65879 03654 61254 85769 01234
 76859 64532 15463 75643 14320 87905 76958 65846 15433 76590
 65481 90456 77345 76589 65412 86790 65432 13246 97080 87095
 = = 821 821 30 30 000

5020 kHz, 13-09, 2002 UTC

463 311 311 30 30 = =
 71840 74562 90579 75123 04756 78906 94856 01850 92347 01746
 07980 64758 14321 65473 82465 81756 92365 04756 01769 26548
 65748 01967 16543 01756 73216 03658 76809 71153 54637 65470
 = = 311 311 30 30 000

5475 kHz, 15-09, 1800 UTC. Different repeat in red

463 876 876 30 30 = =
 47893 01847 83761 04721 54489 **57489** 78965 07958 45378 13416 01765
 96850 16254 85908 36411 84759 57849 26457 15243 91645 14265
 01745 15463 85938 17265 03617 26187 47372 91637 16390 17281
 = = 876 876 30 30 000

6260 kHz, 17-08, 1500 UTC. Harmonic on 12520 kHz

463 421 421 30 30 = =
 34598 34987 53567 76754 84324 88657 34265 45687 96567 34547
 56132 45638 06758 37858 35469 56497 15648 87540 53702 67845
 67458 10678 58407 32675 30768 53859 17508 48376 30823 64186
 = = 421 421 30 30 000

6510 kHz, 18-09, 0700 UTC

463 903 903 30 30 = =
 93857 39271 64783 02748 48376 93718 38917 49027 36278 13574
 63854 93765 23789 17803 38926 37653 01652 83641 91432 58390
 83921 70652 53781 18762 28935 01628 05482 64829 38291 06472
 = = 903 903 30 30 000

5475 kHz, 20-09, 1800 UTC

463 650 650 30 30 = =
09098 68758 69879 13233 53498 50968 15143 22343 56576 47658
98798 56576 46576 47687 (4768) 9088 98 56576 57 13243134 22435 09098 57658
09787 35423 64565 86756 98909 36454 57641 24311 87876 59840
= = 650 650 30 30 000

5020 kHz, 20-09, 2002 UTC

463 747 747 30 30 = =
87576 10198 30987 46576 38746 19890 33654 18717 49878 22098
56577 27635 46567 57687 38877 98909 15423 40989 36476 10927
57564 37678 10928 45345 25436 67567 33878 50912 46356 45676
= = 747 747 30 30 000

6260 kHz, 24-09, 1500 UTC. Different repeats. Many mistakes.

463 = = 248 248 30 30 = =
57657 48789 02090 87678 45326 16524 87564 09087 16524 46537 (56537)
45465 26567 13211 35435 58769 09098 24313 2433 339 42 67685 6684 36547 09878 143213 45365
76754 764 87598 098 0846531 43 87856 786 2324324 49809 498 0987808
142 112 45365 43 76754 7598 87598 09088 46531 4651 97956 23243 49809
= = 248 248 30 30 000

6510 kHz, 25-09, 0700 UTC. Many mistakes

463 428 428 30 30 = =
65764 35425 14325 85769 47587 09087 35411 36547 87498 24354
45453 11009 37648 98900 34231 46532 76467 24231 64576 10988
09098 0909 111 313245 324 75681758 35409 16547 28798 09890 14325 56476
= = 428 428 30 30 000

5475 kHz, 27-09, 1800 UTC

463 755 755 30 30 = =
33546 86970 11009 46578 86758 96875 69870 67587 89009 68759
56567 87980 35465 37648 11220 95860 09098 55577 46538 67587
56476 58769 68798 68745 24414 46534 37645 68790 98200 14325
= = 755 755 30 30 000

5475 kHz, 29-09, 1800 UTC

463 670 30 30 = =
38727 36474 76029 38574 18473 75643 84763 75847 20698 79274
10950 94837 29487 27615 47635 28756 84759 50978 46735 26176
06940 93857 46378 20958 01948 37287 46376 28576 27160 83726
= = 671 671 30 30 000

5020 kHz, 29-09, 2000 UTC

463 408 30 30 = =
74673 84732 75638 10938 48376 07921 84712 23096 09065 84893
93848 26473 64372 64759 67857 58476 27364 74857 58960 05093
38291 83726 45362 74635 27465 28106 32039 19487 37265 94184
= = 408 408 30 30 000

10836/10136/9136 kHz, 0700/0720/0740 UTC

10836/10136/9136 kHz, 01-09, 0700/0720/0740 UTC

811 811 811 1 394 144 394 144
 88164 46524 56308 49672 20816 47157 41418 20835 10573 33709
 14839 34566 49808 33553 15824 10888 12218 95364 91098 67860
 80128 73679 60656 64528 48528 98197 52743 16421 61521 25902
 69696 78787 62367 83683 67893 75923 72491 88290 88784 85630
 25542 35807 72461 60702 16254 23875 07086 36078 91335 64783
 19208 10998 38817 56949 73495 29496 85309 86859 68958 12270
 79778 06473 02354 11830 39599 27785 81625 31386 28510 82183
 57200 07813 83764 24647 64195 41007 14107 23049 56527 10694
 95563 48159 57560 49891 59923 23268 07731 59662 92067 50154
 20116 08401 27388 71946 03626 18035 77313 29477 30200 56507
 93182 31016 98484 86983 20960 89713 89952 43543 91147 81773
 04800 22046 94325 77036 35046 73472 23487 37896 97961 69255
 65134 69837 30006 52303 61400 30678 42218 64326 55892 31506
 31014 77028 51057 47969 78340 91477 94196 93265 92982 01768
 44907 80121 97668 16091 000 000

10836/10136/9136 kHz, 27-09/29-09, 0700/0720/0740 UTC

811 811 811 1 125 176 125 176
 50682 97633 82267 57818 78631 16441 88136 95834 23528 76586
 44001 80454 41188 76841 86964 37033 27722 36682 30666 93071
 76057 06269 18507 63018 20760 64744 74974 37252 99201 68327
 03862 31257 59997 73981 54008 91738 08268 95400 67049 08484
 97785 55448 62247 08297 07746 43587 86068 52714 91089 11802
 93532 75810 57537 00961 08971 25687 96556 39294 99416 09858
 50388 69945 64666 94713 30548 69965 81137 12109 42731 24977
 13026 87573 65807 23346 85017 27081 52483 49702 82573 88441
 62736 77921 86798 14641 74887 02930 60839 90650 72765 23845
 18057 29907 57745 40650 38057 50991 49294 41487 48445 90233
 30274 91482 65967 99130 26490 22285 65410 48453 30864 61555
 28312 73734 95234 61568 96050 25426 21182 86411 32407 21100
 74625 98011 81919 58190 61825 25820 40544 81093 68369 38878
 10605 58109 34721 07015 06708 82813 14105 52423 25211 61258
 31127 72812 99353 10176 01953 01954 64371 50207 31564 45002
 44008 40122 57001 51657 64099 50745 80141 12705 67856 91271
 36083 12535 44312 20288 45132 77004 10837 33288 63937 37953
 40612 70288 14644 87290 01475 19408 000 000

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

13386/12189/11491 kHz, 01-09, 1110/1130/1150 UTC

725 725 725 1 3050 98 3050 98
 92094 50272 96296 01868 21708 60742 41657 53194 85783 07889
 97605 84918 53747 89720 60829 74978 91842 65598 03019 47204
 09583 98318 45228 35320 33839 20724 01928 96012 81404 51726
 93991 61180 91168 26049 65292 29794 12564 61011 84103 79721
 81339 41968 63238 65512 16821 23165 21585 09270 41325 42826
 14590 22026 10306 48488 73817 92577 95994 86572 88009 48360
 58939 76420 06356 50358 82650 83822 18971 15596 12272 14533
 34781 21431 48109 17635 05496 60938 38499 61058 91181 30270
 48172 70824 22057 63203 06055 94573 57134 56761 62805 70

13386/12189/11491 kHz, 08-09, 1110/1130/1150 UTC

725 725 725 1 7720 90 7720 90
70560 58887 70449 83780 57530 37340 32598 69386 81261 55754
21124 04166 74473 45463 90911 34925 80797 20258 18719 36427
90125 21900 55908 67501 32972 03728 60755 79544 00243 59633
61313 70394 93723 47350 61050 20546 16481 56528 76595 63908
75136 40700 75932 39918 72173 06103 90458 65116 49510 17271
73821 53496 89770 61346 88744 87962 33486 61242 20157 41714
93703 86372 83773 45804 58913 76170 69822 96357 97423 82312
83769 13566 24675 95553 82324 73785 42041 31130 50685 41764
37873 60411 76712 94252 83248 85470 66031 74215 27913 92566
000 000

13386/12189/11491 kHz, 29-09, 1110/1130/1150 UTC

725 725 725 1 4878 96 4878 96
21844 51184 12163 26440 07212 06787 60967 93778 27310 21516
13646 49723 93317 02493 98757 24019 80525 34503 05539 84149
07686 25163 98625 88054 67463 32469 83619 13752 72963 18380
03593 22053 91465 62523 40537 37721 49659 47686 83122 58206
83046 98229 55738 05971 96664 18301 55652 08199 64381 35832
08597 26494 05213 08207 13974 42841 50971 60680 44249 12241
43760 68742 98979 95407 01403 71583 20337 22364 72150 54459
57271 29723 43810 95607 62759 70997 27098 47524 35030 44040
07382 39783 20750 73935 19463 11454 39487 53174 50682 37522
05799 03640 15130 26875 31180 02640 000 000

7961/6861/5861 kHz, 2100/2120/2140 UTC

7961/6861/5861 kHz, 02-09/03-09, 2100/2120/2140 UTC

988 988 988 1 879 98 879 98
46119 62573 70652 16141 57106 30484 93264 71956 86223 79138
12485 21676 26928 73484 64541 91152 22559 18590 01844 82477
22148 84951 96177 49149 54413 58227 31885 69303 07015 98595
16532 40134 19993 39113 65209 48502 18379 97493 47858 53363
52772 88187 03046 20282 27593 89739 46725 65286 52632 79454
26487 75001 14591 19744 86245 87296 92045 96540 97513 07269
75655 53618 53434 76142 07779 24665 46691 99408 79829 32159
12194 33784 58814 75575 74007 52194 58547 01529 88849 72705
01793 00291 22613 18456 93759 81003 37079 96030 66428 68715
84915 23677 83309 34928 58365 99463 20730 23573 000 000

7961/6861/5861 kHz, 09-09/10-09/16-09/17-09, 2100/2120/2140 UTC

988 988 988 1 925 96 925 96
33843 45810 52204 06922 16435 30909 98879 15442 28542 36732
56154 95217 27153 99354 43547 88993 70433 44619 23410 02919
88025 45979 55972 68643 39279 15639 46283 59699 34506 48847
57774 38785 74436 87527 68535 40704 23250 79437 78591 42151
56708 15787 34785 17783 91207 69440 32975 20762 36995 06354
20241 93714 74001 88209 17658 91881 58969 42365 28365 61745
09752 38298 75850 1729x 91177 74746 58246 83263 63594 51420
67147 11009 47688 86055 76304 71388 74093 21463 20482 21384
88754 17668 50430 87401 23341 45145 91493 14920 01849 99071
24906 82414 44249 28325 36788 18112 000 000

7961/6861/5861 kHz, 23-09/24-09/30-09, 2100/2120/2140 UTC

988 988 988 1 9537 130 9537 130
74681 19916 42939 88165 20932 00202 74305 02858 63116 78059
73301 06587 21200 89031 81168 14065 43487 45868 78109 36100
63138 13695 82583 34097 17347 61842 10542 89332 90196 14147
44188 42011 40311 37911 94643 49249 49763 37629 15101 95110
76027 21366 26548 27155 13155 62918 12610 27127 48166 71488
07646 69056 02967 58340 05902 00925 81146 45976 91494 48729
16557 85381 14608 89757 72576 18497 89805 67837 76559 12904
18703 19096 08347 94853 05167 47971 61243 91949 95851 33277
67270 83990 21814 70205 54680 38023 81024 21875 10677 63011
47873 21406 88382 71137 52578 67603 77036 60274 00405 43240
01656 81008 63371 79877 70612 35100 52410 95971 62362 44196
42234 92752 82501 87482 84408 02726 85174 38636 50290 86282
43025 03835 93135 16337 55025 36142 31313 15850 93750 21526
000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC
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11435/10598/9327 kHz, 03-09, 1800/1820/1840 UTC

938 938 938 1 7527 73 7527 73
13096 54875 25558 48616 30610 70518 71718 05564 98780 37680
55299 07998 58687 08407 93076 53707 03713 28717 36578 11800
42910 14534 79817 11544 11294 37285 14602 74612 83360 37397
06358 30076 31781 23799 75426 87680 53215 60028 74948 65557
00409 42190 64161 08635 22501 25049 21010 58210 39112 33227
89205 75486 92697 43955 16421 20378 92761 29062 04441 13137
03776 25982 61607 65085 52325 71019 99997 55099 79136 87375
62381 80519 05893 000 000

11435/10598/9327 kHz, 10-09, 1800/1820/1840 UTC

938 938 938 1 9234 75 9234 75
46953 88788 44725 99534 20753 56278 26839 31400 40297 88718
40302 48328 26995 85332 85429 28784 78093 22915 47228 81249
34489 86100 51570 35953 55277 13131 06390 24105 51800 32425
31603 72618 54780 88667 93907 47174 89988 90253 97010 13901
56745 91538 01869 65801 85037 12705 07069 21438 74872 89424
65992 96374 63577 30176 40513 47319 18569 57149 68782 38199
77669 50757 23282 88872 59770 63690 55311 41864 50567 35953
49373 79853 23751 69068 69136 000 000

11435/10598/9327 kHz, 17-09, 1800/1820/1840 UTC

938 938 938 1 2434 79 2434 79
32447 83253 18164 73426 10326 19302 54975 74502 75186 97720
94438 38175 90128 69306 27308 58556 42003 09592 92742 64890
93667 10443 52511 70197 74477 99972 19656 05421 94057 67625
62922 59987 21722 56051 26977 23900 23625 80320 16549 87831
07123 13140 20874 84573 42740 51489 45580 52585 48928 07790
32197 79717 99345 74978 68619 53459 73475 23613 55416 55461
68004 56901 45129 54693 38833 14553 08732 93339 63698 03210
09538 80672 00361 67790 11397 82852 72442 13454 97508 000 000

11435/10598/9327 kHz, 24-09, 1800/1820/1840 UTC

938 938 938 1 3706 74 3706 74
75757 79417 11327 34290 85461 60552 00286 74616 21640 00015
06836 20031 64996 18569 87137 79961 59302 31913 74299 71678
24316 24559 30326 60963 08332 34130 52288 06239 85420 61033
72948 40093 73153 08535 08574 43125 24702 32794 95202 53989
85682 96204 09740 25120 81556 55548 04236 67983 69654 07899
02681 70826 30713 57474 55394 84045 87658 78429 69719 51519
22043 48732 20468 64235 72278 57298 78843 56113 90006 55123
19262 00368 66855 32933 000 000

12205/13559/14728 kHz, 1230/1250/1310 UTC

12205/13559/14728 kHz, 05-09, 1230/1250/1310 UTC

973 973 973 1 9434 60 9434 60
91846 69722 18421 68274 87503 72417 11279 93705 41396 75805
28187 26719 34541 06622 31220 64506 23355 29307 25612 95876
19682 05980 70346 00098 02549 75100 15874 27524 79590 11141
95986 93184 53989 22603 25741 06647 64791 56005 95689 30797
95108 38475 26718 16973 52544 78858 09668 13771 72143 28580
70062 69661 59955 29136 78965 31101 92861 99041 26101 82291
000 000

12205/13559/14728 kHz, 26-09, 1230/1250/1310 UTC

973 973 973 1 5199 60 5199 60
69823 27838 34722 88740 30085 81968 39092 17213 04286 15930
20788 68074 17154 43790 05509 98213 21665 32215 37562 32631
88920 64689 75832 91591 21647 30976 61895 41368 95317 78242
16629 71547 65922 67888 77901 78460 48444 94508 26992 36091
90355 47501 87942 80482 11706 18088 17540 34899 28499 47464
32269 82393 67720 11439 31480 36811 33444 94952 11952 41287
000 000

19546/18446/16346 kHz, 1600/1620/1640 UTC

19546/18446/16346 kHz, 05-09/08-09, 1600/1620/1640 UTC

543 543 543 1 3866 108 3866 108
03365 50618 38732 88588 27844 30959 05843 47602 98912 99686
48461 31632 74510 28727 64059 72559 21498 74624 43145 77456
52719 01196 11468 60430 92816 27398 63460 39366 08978 42317
18442 60398 23457 97830 83698 87527 56022 61913 36417 62025
64116 77569 40149 27180 09920 78911 77480 78443 74644 82974
68900 65014 54193 27810 75033 09246 39896 62478 13173 51140
42449 45215 55782 84185 67937 11165 15028 49068 68990 82561
91938 37637 25852 11226 69283 91177 77073 41740 62199 42818
46181 26010 25850 87581 29917 63747 20590 20197 99969 65055
63781 10498 42397 57993 83010 78665 74002 55262 46556 55879
05701 97185 63624 52000 23409 90681 65349 05711 000 000

19546/18446/16346 kHz, 19-09, 1600/1620/1640 UTC

543 543 543 1 655 88 655 88
57484 18087 64867 05444 17555 63741 26032 54720 73696 35547
13476 05841 90869 41644 23742 87678 43471 54938 36879 63077
30699 29320 57320 50131 43240 42246 85048 49660 68220 29705
12742 20057 13456 11334 04425 54597 75826 62537 76296 12531
36550 35017 78808 16573 54280 78484 02408 77798 65237 82009
12516 59294 10847 31488 86847 02365 90733 54999 46885 17448
63205 72955 52278 37574 98956 30325 06145 39393 46653 08865
55611 36202 76475 66174 71243 95881 41784 68583 72182 00766
78403 62289 15564 93677 30918 86214 03579 47616 000 000

14927/13927/12227 kHz, 1600/1620/1640 UTC

14927/13927/12227 kHz, 07-09/11-09, 1600/1620/1640 UTC

992 992 992 1 149 78 149 78
52192 14584 38880 28203 77707 22031 40545 00957 05832 33318
18190 81515 50078 77287 42739 24399 96374 15252 72806 04377
77116 94957 77089 76009 42704 68608 63975 38735 86740 29343
23483 26979 95658 64425 06933 70654 98903 22478 04337 35890
63270 06014 15909 75214 55743 13252 15247 01045 58668 72642
36834 55417 83454 70729 89100 71240 38097 47140 79260 72036
73167 44624 11028 93988 09627 67748 66705 23567 94275 93396
76052 27985 99757 67699 83567 81541 51729 00390 000 000

14927/13927/12227 kHz, 21-09/25-09, 1600/1620/1640 UTC

992 992 992 1 672 82 672 82
87437 18700 87750 83649 86657 41773 57502 33216 53822 54037
02808 66558 59524 63451 19537 75880 57399 24328 26301 17867
72643 66694 22447 95058 73140 75151 71899 55944 09350 55895
61344 95407 99271 27026 56098 10589 34189 74627 58849 77762
61483 02311 60048 35010 01285 44159 35822 98024 00302 37413
97872 36657 87530 16000 35262 05430 19650 70362 73994 65926
77913 43466 67993 95063 10587 45313 88889 09693 44444 66896
15825 50527 07587 41337 12192 75033 01892 64844 89824 45568
68987 98935 000 000

10836/10136/9136 kHz, 0700/0720/0740 UTC
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10836/10136/9136 kHz, 08-09, 0700/0720/0740 UTC

811 811 811 1 8320 148 8320 148
03234 57248 94277 04261 61347 96185 29635 07570 36346 77375
24955 81737 18855 36578 00486 36305 50627 22630 38728 87134
88344 97389 10388 58714 72703 41944 81065 71131 53038 84916
51959 16633 73981 25220 52417 01494 43338 78426 41743 66812
43260 75408 21092 62113 71669 83213 34196 27378 03435 93795
93211 04587 27227 86350 18555 67124 54924 57759 14047 96136
89895 55621 24642 76645 55198 02521 09716 88310 48248 04511
44601 77228 59470 99973 91416 25582 08148 50237 65816 95716
87130 49165 78978 62121 06493 86643 53040 21126 39656 45828
13398 35296 99119 48505 37622 86547 32746 03827 90843 98626
06207 96971 03143 46864 94432 85728 72975 58343 69554 18566
89144 55777 44202 46352 90360 57004 43212 13228 61247 81084
92597 18870 00645 54585 22136 74662 32973 82825 49621 37327
84822 45318 82813 60913 98813 59752 98306 10526 84134 90304
34753 69764 86193 10941 89119 23159 53639 43152 000 000

11109/10309/9209 kHz, 2000/2020/2040 UTC
--

11109/10309/9209 kHz, 12-09/15-09, 2000/2020/2040 UTC

385 385 385 1 3702 86 3702 86
01914 98484 46650 26853 21667 77216 40986 35922 61547 28018
61992 78715 85700 74462 29286 06982 93560 15138 04757 89995
26720 61994 11051 57527 12997 62857 48606 52013 55968 88388
26364 49761 34147 18553 90765 87671 03734 49358 05560 08648
89892 59384 55917 21035 17836 98197 81814 24757 48031 63543
86605 46231 58303 16731 92432 77550 54616 76588 22236 15471
63471 02307 72143 95072 53843 61495 61442 04973 38744 09772
59979 45002 40860 41510 99842 20174 80719 22904 20025 16105
79138 33176 56069 74441 29328 34208 000 000

11109/10309/9209 kHz, 26-09/29-09, 2000/2020/2040 UTC

385 385 385 1 8804 94 8804 94
91200 81327 19016 35700 21027 51680 56282 75734 91303 03854
22136 89930 66943 18740 70831 95109 29204 07241 19416 31325
22394 98226 31037 30330 33862 30338 24520 27545 24210 55368
48947 10790 97841 66060 83648 67358 34306 44388 65049 35088
67662 09515 37035 48065 59177 24160 35501 70724 18071 75936
64276 93011 30967 19597 92490 84824 69546 35128 75884 80323
39539 91978 52394 39731 08944 36317 76163 80658 04140 97366
12314 75675 18646 08675 40300 10575 28783 17422 34353 67715
14372 91205 82239 99963 32715 52454 28914 24095 61528 49818
87350 74515 98480 49660 000 000

9246/8146/6846 kHz, 2110/2130/2150 UTC

9246/8146/6846 kHz, 12-09, 2110/2130/2150 UTC

218 218 218 1 7990 151 7990 151
74025 39324 73201 44225 92040 80552 18881 31067 32979 49771
17387 53300 95535 76172 93532 64774 82536 19745 99195 93064
98168 83878 24025 30416 84667 79914 86740 35550 28387 56571
72144 89942 42919 05695 63899 48824 25569 02577 96146 07963
58727 69677 74640 95849 94765 85472 75440 33195 54358 23332
36447 02918 73490 58408 93251 56809 17009 88436 75792 25744
10460 36206 69539 33155 58916 34214 79032 07496 93492 30061
89764 14426 23884 10312 48032 22830 47728 40737 78403 89991
70015 09344 67790 75006 53359 01135 02554 49739 53451 89282
09943 51940 61611 58616 95035 27285 60627 02867 90616 87545
52484 14123 88739 45791 50376 88328 26244 91351 40523 38995
90154 59808 85991 05902 63645 48270 34471 91308 37200 98910
52120 41117 76176 35403 38618 65375 04347 52165 66758 06640
26096 32737 31280 74814 39233 42324 66596 26904 66569 55264
22309 25984 08084 43614 40673 98807 08731 34715 76075 52171
59078 000 000

9246/8146/6846 kHz, 26-09/29-09, 2110/2130/2150 UTC

218 218 218 1 2281 97 2281 97
81378 18720 93176 29812 57896 70992 41975 53823 97619 91911
84507 53042 99162 32925 72994 68777 15051 60328 88638 26784
90299 35704 34527 95287 40833 78295 29597 22165 14694 46574
75019 58270 80815 68306 67771 34596 48900 59065 36799 23872
47140 59697 72354 85126 73055 97380 88765 17684 04592 83564
28568 88729 10684 51590 77731 90977 77617 56254 71818 95790
32014 83006 06474 95534 37650 18205 84407 18966 56632 05618
61737 74806 09569 63648 43085 49353 33217 87206 68243 12088
16729 06008 08757 74405 62746 20226 88512 95723 22187 39237
62330 01191 20208 48199 83329 80052 83638 000 000

13367/12167/10567 kHz 1900/1920/1940 UTC

13367/12167/10567 kHz, 14-09/16-09, 1900/1920/1940 UTC

315 315 315 1 578 108 578 108
61948 48390 52275 38354 48717 49047 07085 41411 89501 68882
93440 59294 37527 36297 60999 60055 92165 84670 71825 79726
56320 22288 70602 49678 98034 65201 46556 56536 38958 84883
23639 89969 43660 96273 71496 93416 63216 98174 34702 17292
80587 61982 63360 63223 37295 17396 58234 95977 74252 28152
09745 99132 98771 05087 82275 63039 83208 25302 86738 18344
01085 28213 08434 48420 36413 81631 27797 79942 38202 19146
55777 10367 20624 46298 24207 96312 56595 33739 60518 59081
38238 80225 85593 24584 50237 62863 32793 77268 07844 25851
26269 44409 67307 49124 35933 40260 33536 77829 35942 19385
92631 36472 94701 54593 41093 41334 27920 39796 000 000

13367/12167/10567 kHz, 28-09/30-09, 1900/1920/1940 UTC

315 315 315 1 5935 88 5935 88
01182 00939 53213 88501 49479 96528 34407 04654 78947 32740
17571 02193 31536 36588 53522 89962 92320 54484 25058 90373
83836 84967 42492 92757 46337 93787 30896 77884 63184 15048
67873 23837 03260 34846 78659 52534 91362 97216 40195 90434
52483 10249 93587 09439 59473 05742 98895 57119 98956 06331
27920 15982 82156 1417x 90252 62201 80597 67826 79075 67999
54329 53423 42797 55553 61164 16206 76588 93270 73441 76217
82984 69519 67742 22469 04059 74999 38348 57391 95494 47992
42072 98494 96846 95738 99562 96992 79560 47611 000 000

M14 was again a mess in September.

12211 kHz, 01-09, 0500 UTC. Off after gr 38. Wrong group count

952 304 304 56 56 = =
64598 60583 96692 70478 92245 23503 08049 77754 14620 32828
79336 44512 35044 43426 51172 80240 08070 38579 67579 18132
39962 26148 25553 06600 65058 14126 21579 85671 46448 07777
06074 02917 74401 95542 81670 48626 60996 15907 06

10243 kHz, 01-09, 0520 UTC

952 304 304 55 55 = =
64598 60583 96692 70478 92245 23503 08049 77754 14620 32828
79336 44512 35044 43426 51172 80240 08070 38579 67579 18132
39962 26148 25553 06600 65058 14126 21579 85671 46448 07777
06074 02917 74401 95542 81670 48626 60996 15907 06291 14913
54365 22403 86931 08424 21017 88955 75122 71352 69657 22739
99975 90446 14952 76745 99770
= = 304 304 55 55 (no closing nulls)

12211 kHz, 02-09, 0500 UTC**10243 kHz, 02-09, 0520 UTC. No transmission. Carrier at 0524z for 30 secs, then off**

952 671 671 52 52 = =
64598 60583 96692 70478 92245 23503 08049 77754 14620 32828
79336 44512 35044 43426 51172 80240 08070 38579 67579 18132
39962 26148 25553 06600 65058 14126 21579 85671 46448 07777
06074 02917 74401 95542 81670 48626 60996 15907 06291 14913
54365 22403 86931 08424 21017 88955 75122 71352 69657 22739
99975 90446
= = 671 671 52 52 (no closing nulls)

12211/10243 kHz, 05-09, 0500/0520 UTC

952 803 803 55 55 = =
63263 29900 39684 99763 21692 92718 48452 23520 72773 73220
94301 58821 26332 60146 94057 30394 83997 26676 13689 43445
23633 96264 16249 17126 35403 66783 01324 75516 45451 72647
34423 88321 88117 89619 89742 78455 12612 11755 54753 38709
35114 56722 70033 24691 72213 74554 02802 16221 16636 72237
77574 64368 41189 76096 12389
= = 803 803 55 55 (no closing nulls)

12211 kHz, 06-09, 0500 UTC. Several restarts during the callup**10243 kHz, 06-09, 0520 UTC**

952 147 147 53 53 = =
79553 72501 86124 87550 30688 98699 86841 25220 16714 53472
65074 43979 77292 34319 79282 65981 47480 12978 45463 32712
17194 26513 61316 69556 72808 79041 83628 16483 69319 96290
69823 79525 06504 00178 19602 82757 07535 95598 77626 25437
23461 86602 83169 74016 12012 64160 77674 43707 64156 32692
06172 49274 76844
= = 147 147 53 53 (no closing nulls)

12211 kHz, 07-09, 0500 UTC**10243 kHz, 07-09, 0520 UTC. No transmission**

952 386 386 40 40 = =
06270 99263 99803 25111 13458 32890 87778 19973 41502 35932
87039 87600 91616 23257 91720 72662 32137 36581 85276 41817
18300 36819 70989 80015 92513 99271 16648 57612 38650 78827
49308 47960 88781 37376 61106 00181 05785 50610 12030 96805
= = 386 386 40 40 (no closing nulls)

12211 kHz, 08-09, 0500 UTC. Off after gr 42

10243 kHz, 08-09, 0524 UTC. Late start

952 123 123 54 54 = =

58408 44230 35194 25789 15075 55296 11511 23926 46624 07885
01302 70298 81497 76893 17508 96875 90847 49606 29135 86645
54426 23875 95934 65791 15241 50161 22335 92067 15167 78352
35286 62803 28711 95304 15728 90965 37096 64047 38349 22737
09875 00582 99345 95024 86247 49218 36846 56353 73270 42384
73701 99575 03151 55841

= = 123 123 54 54 (no closing nulls)

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

952 637 637 52 52 = =

07179 49255 02843 09985 82566 59055 80531 63637 85765 94159
73738 28962 63023 04610 01801 23217 78533 75916 89891 35437
68273 16937 02201 61049 56813 62703 49807 10020 41807 15632
90457 74473 75851 73535 62420 66727 00387 17906 19614 63667
11340 60878 60185 18411 61195 74325 65741 25199 27179 49521
93406 48436

= = 637 637 52 52 (no closing nulls)

12211 kHz, 12-09, 0500 UTC. Off after group 42

10243 kHz, 12-09, 0522 UTC. Late start

952 840 840 65 65 = =

58764 82929 26817 92149 26237 48577 18644 80060 63888 98302
29605 21429 78052 78309 38342 22623 01376 30803 25793 12811
97130 34324 70565 89605 31203 82407 36217 24183 41453 49307
92608 36820 59115 15369 38530 78767 01944 51898 17784 81416
63780 87554 45912 58682 70238 05556 89756 73554 55185 44841
67034 04739 37714 03679 58129 74339 04288 69153 47268 22506
25654 20968 35283 40000 63906

= = 840 840 65 65 (no closing nulls)

12211 kHz, 13-09, 0500 UTC. 952 (R4) then off

10243 kHz, 13-09, 0523 UTC. Late start 952 (R4) then off

12211 kHz, 14-09, 0500 UTC. Off after group xx. Interference and deep fading. Last part unreadable

10243 kHz, 14-09, 0523 UTC. Late start. Lost web sdr after group 23

952 384 384 61 61 = =

78403 51997 25408 20885 71347 68978 08238 07755 84845 09822
67421 19402 26320 56349 10569 61432 36576 51422 21211 72562
89547 41447 90039 74591 10897 13107 17345 78321 76395 29028
10082 62636 76031 92064 21994 68895 54774 91824 102__ 7785_
_____ 65924 (unreadable)

15-9 no transmissions

12211 kHz, 16-09, 0500 UTC. Inverted morse until 0502z.

952 378 378 61 61 = =

47590 90488 94148 13373 14628 74141 00714 17687 43537 04894
33068 10210 48884 90126 75843 27754 57974 57552 98539 47483
79936 44397 20167 03871 59284 08938 85701 64745 24879 19098
27801 33602 70250 97775 12206 70376 26199 29604 90276 47854
11615 58817 07089 85923 73464 32925 38538 30835 51874 71867
55886 71682 31246 67351 41181 11265 63345 42050 02001

16 seconds pause, then 00000 repeated for 2 minutes.

10243 kHz, 16-09, 0520 UTC

952 378 378 61 61 = =
47590 90488 94148 13373 14628 74141 00714 17687 43537 04894
33068 10210 48884 90126 75843 27754 57974 57552 98539 47483
79936 44397 20167 03871 59284 08938 85701 64745 24879 19098
27801 33602 70250 97775 12206 70376 26199 29604 90276 47854
11615 58817 07089 85923 73464 32925 38538 30835 51874 71867
55886 71682 31246 67351 41181 11265 63345 42050 02001 33538
73302
= = 378 378 61 61 00000

12211 kHz, 19-09, 0500 UTC. Off after group 48

10243 kHz, 19-09, 0523 UTC. Late start

952 401 401 52 52 = =
62045 32016 23129 40431 37919 66568 72649 26024 76812 20685
66367 34799 44179 87760 16914 83214 63782 69005 17337 46438
36144 65455 39868 95965 45381 05864 44175 84600 02846 58687
06016 33481 01028 95336 02237 00854 76145 96881 13071 37261
02869 21406 27641 56854 69600 74191 63637 79499 07777 47920
37081 23373
= = 401 401 52 52 (no closing nulls)

12211 kHz, 20-09, 0500 UTC. No transmission

10243 kHz, 20-09, 0523 UTC. Late start

952 837 837 51 51 = =
91234 88232 62640 15582 78884 83685 50832 35696 97766 82460
30487 82676 75332 79203 36813 17508 16181 70332 93972 46329
52646 00692 17077 74164 32189 94279 34593 60703 15049 36251
67095 57819 80583 98375 23006 33511 65743 25138 99355 11965
84101 22673 92205 84408 98903 17721 63167 70457 48542 78787
12456
= = 837 837 51 51 (no closing nulls)

12211 kHz, 21-09, 0500 UTC. 952 in inverted morse for 1m40s, then a carrier. No message

10243 kHz, 21-09, 0520 UTC. Carrier only

12211 kHz, 22-09, 0500 UTC. The whole message was in inverted morse

10243 kHz, 22-09, 0523 UTC. Late start

952 370 370 53 53 = =
59148 64193 14163 80515 83807 27851 60718 86967 46050 97064
37323 25306 27494 18966 49820 50696 08730 95309 76005 72218
10623 82739 35694 46927 83368 31819 54627 43155 41741 57020
83169 77732 69970 54858 55722 56829 44684 12355 01807 75095
49356 73024 44736 52785 78693 52568 48829 15564 56405 21458
01089 46672 14785
= = 370 370 53 53 (no closing nulls)

12211 kHz, 23-09, 0500 UTC. Off after group 48

10243 kHz, 23-09, 0523 UTC. Late start. Off after group 43

952 126 126 51 51 = =
97250 40136 82943 79317 00167 60638 75899 00544 09516 28455
45247 23113 24075 22607 86748 04133 95855 10543 49626 24653
79799 90390 16588 33539 71863 75107 93320 38696 83911 60716
18399 00350 28870 45797 29536 06068 14563 94454 47123 32198
69688 59914 60993 21433 50349 10956 31339 31162

12211 kHz, 26-09, 0500 UTC. Off after group 47

10243 kHz, 26-09, 0523 UTC. Late start

952 130 130 54 54 = =
28134 54298 90267 87481 43527 14269 48799 91779 14527 73355
47384 14046 40438 15165 14486 23722 79087 56939 51822 81913
73581 77067 40660 16605 47117 82919 49764 06174 39307 86211
80953 50891 82445 78072 13180 37104 41147 21001 31094 23773
63805 99917 49005 06066 19309 99468 66208 35693 17442 99804
14574 02656 36420 07989
= = 130 130 54 54 (no closing nulls)

12211 kHz, 27-09, 0500 UTC. Off after group 53

10243 kHz, 27-09, 0523 UTC. Late start

952 748 748 60 60 = =
27112 41145 51162 34597 14057 25441 91100 79633 31087 95523
94586 04511 03160 46563 64392 32733 71011 73327 04808 12975
89123 78776 58330 71274 30434 16332 10810 05507 02462 89296
82238 08086 04557 55818 45371 27823 80943 12876 39368 06883
49257 57694 70643 53775 09248 50044 18107 38320 61359 23858
84991 19522 89851 21599 64443 42294 90161 49820 11078 63964
= = 748 748 60 60 (no closing nulls)

12211 kHz, 28-09, 0500 UTC. Off after group 48.

10243 kHz, 28-09, 0523 UTC. Late start

Group 48 was 04994 at 0500z and 04894 at 0520z

952 601 601 52 52 = =
09227 58840 42802 21395 29875 82884 91157 24457 54635 69093
09916 35235 85557 69291 41084 53196 42105 66512 03419 65063
97622 01091 41638 84634 47154 53495 59324 11055 67543 88581
58959 22726 55757 90966 37525 49054 56370 46195 11103 87222
14147 47401 66919 56156 12659 32142 66271 (04994) 04894 84873 79096
46767 7540
= = 601 601 52 52 (no closing nulls)

12211 kHz, 29-09, 0500 UTC. Off after 48

10243 kHz, 29-09, 0523 UTC. Late start

952 834 834 51 51 = =
16987 47599 88667 72541 02093 13271 73904 63897 88518 12688
02621 41715 29164 75542 24327 33802 39304 34449 58226 91805
30383 87610 75282 45338 99354 39313 69461 01893 47044 85442
54058 72255 23934 36210 44064 26087 26845 93266 10508 07374
94921 23407 17705 64425 78378 96034 79354 74111 78432 76592
94422
= = 834 834 51 51 (no closing nulls)

12211 kHz, 30-09, 0500 UTC. Off after group 4 for 1m10s, no restart, hence groups 5-11 are missing

10243 kHz, 30-09, 0520 UTC

952 716 716 63 63 = =
94678 13919 46031 95459 58424 34910 63375 39480 91892 53362
82573 37101 72797 95220 95248 00875 11138 71693 38463 06269
10011 52042 02456 99081 46436 36484 38863 65304 64396 90112
74115 16849 97261 23808 57698 51606 61807 33043 99963 61252
90995 30547 79178 85244 97701 33748 22501 34447 86646 92942
90570 32827 56519 71123 20393 50651 59803 11404 06223 27621
12176 52979 23114
= = 716 716 63 63 (no closing nulls)

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

4628 kHz, 21-09, 1853 UTC =992153??8????? =992154??8????? =992155??8?????

4628 kHz, 27-09, 1722 UTC =992022??8????? =992023??8????? =992024??8?????

M89 - Chinese Military

4034 kHz, 24-09, 1553 UTC

V JM7D (x3) DE CD2D (x2)

VVV FF CQ . NR.. RMKS 7601 TO 4839/4888 UGT COMM

= 125/4839/0100/202 NR/.EEE /7682 AR

= 12592/4839/0100/202NR/7682 AR

12592/4839/0100/202NR/7682 AR

NR 97 CK .99 212 24 1930

NR 097 CK 409 08 499 1

NR 097 CK 499 21 09 25 000

NR 097 CK 499 21 09 25 0000

AGN NR 097 CK 499 21 09 25 0000 =

.N4U 6.AU 7DT3 4ANT ...

M95 - Chinese Military

9153 kHz, 10-09, 0924 UTC (repeat of Q26 at 0820z)

V BNEC BNEC BNEC DE XSV70 XSV70

HR MSG TO YR PSE NOTE CY NR 703 CK 485 109 101 500

6T5 6T6 TUU N5A 6TA TAU 6T5 7TT TT3 6T6

6AT TA4 6T5 D5D D57 N3N 6A4 UAU 6A5 U57

6A6 N75 6A7 T33 6U5 A6T 6U6 T3T NUD TT6

DAA 6T5 65N 633 TT7 7N3 635 405 63N 636

6A4 U3T 6A5 U4U 6A6 N55 6A7 T4U

MSG AGN NR 703 CK 485 109 101 500

6T5 6T6 TUU N5A 6TA TAU 6T5 7TT TT3 6T6

6AT TA4 6T5 D5D D57 N3N 6A4 UAU 6A5 U57

6A6 N75 6A7 T33 6U5 A6T 6U6 T3T NUD TT6

DAA 6T5 65N 633 TT7 7N3 635 4T5 63N 636

6A4 U3T 6A5 U4U 6A6 N5E 6A7 T4U

ZNN SK

UM04 - PROMRÖ

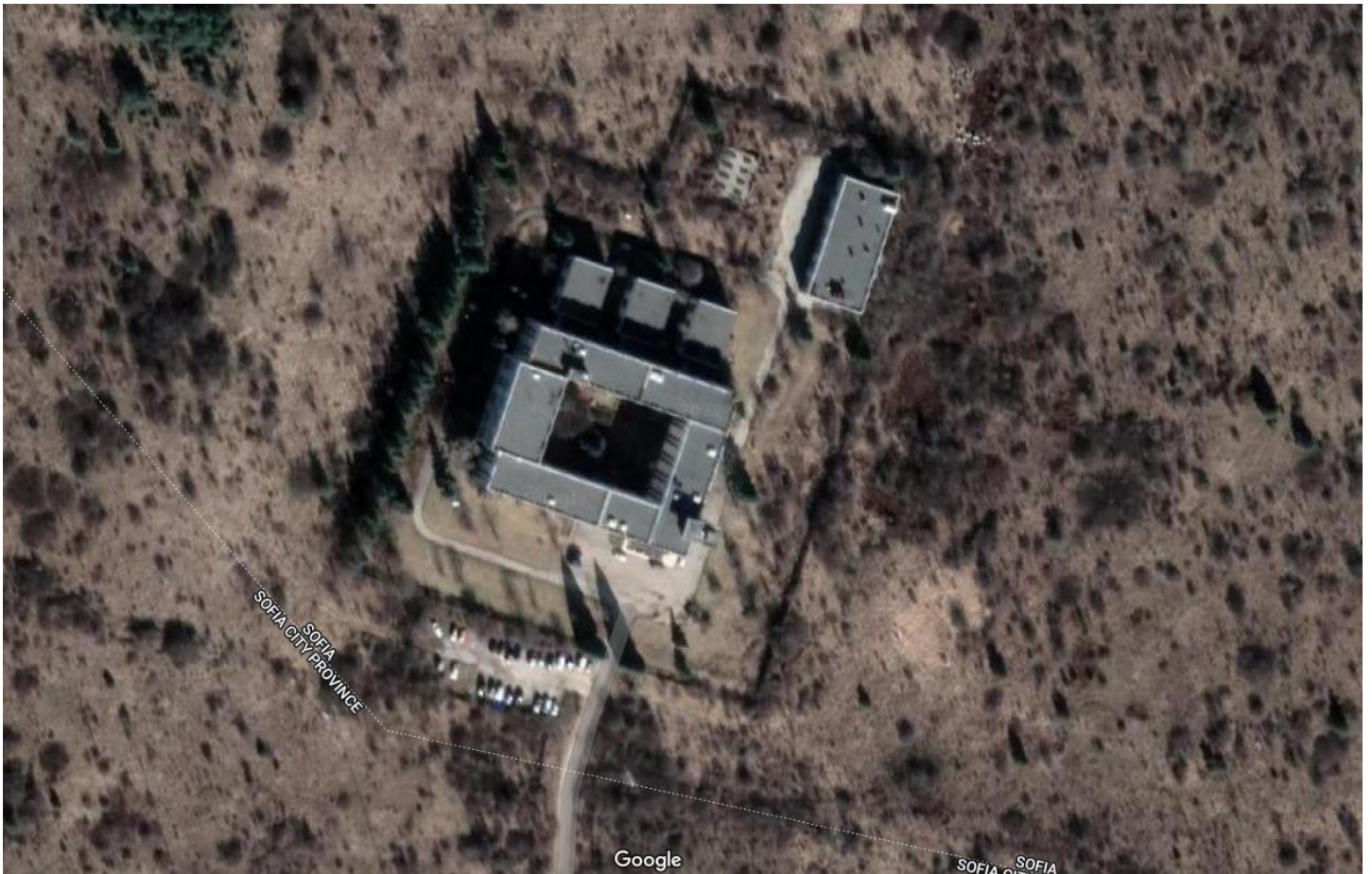
UM04 is a Bulgarian military station. The transmitter site is near Bankya <https://goo.gl/maps/yVCQU8yS5MFL1N6u6> Barracks and a HF-RDF site are nearby.

Google Streetmaps shows antennae at this site.

https://www.google.de/maps/@42.7232842,23.1635308,3a,37.9y,334.3h,90.97t/data=!3m7!1e1!3m5!1sg7VQvSWJGyQEsfYkc66HHg!2e0!6shhttps:%2F%2Fstreetviewpixels-pa.googleapis.com%2Fv1%2Fthumbnail%3Fpanoid%3Dg7VQvSWJGyQEsfYkc66HHg%26cb_client%3Dmaps_sv.tactile.gps%26w%3D203%26h%3D100%26yaw%3D80.09923%26pitch%3D0%26thumbfov%3D100!7i16384!8i8192

On September 20th **6BQY DE TYN7 K** was sent before the message. That was the first time that we heard tactical callsigns before a message.

Although we call the Bulgarian station Promrö, it's actually not correct as the Bulgarian language does not know umlauts. The morse translates in Bulgarian ПРМПЧ or its official transliteration PROMRCh. There seems to be no proper translation for this word.



The transmitter site on Google Earth and below a picture from Google Street View of the same location. You can see several antenna masts and satellite dishes on the roof top. Both pictures are © Google.



4735 kHz, 01-09, 0700 UTC

VVVVV PROMRÖ = 01 09 =
 1000 0630 0670 0790 1220
 1200 0650 0680 0800 1240
 1400 0670 0700 0810 1230
 1600 0670 0710 0820 1160
 1800 0650 0680 0800 1120
 2000 0720 0750 0850 1160
 2200 0620 0640 0730 1010
 0000 0500 0520 0570 0770
 0200 0450 0460 0510 0680
 0400 0410 0420 0480 0640
 0600 0440 0470 0550 0790
 0800 0580 0620 0730 1060
 = ABV
 VVVVV PROMRÖ = 01 09 =
 1000 0630 0670 0790 1220
 1200 0650 0680 0800 1240
 1400 0670 0700 0810 1230
 1600 0670 0710 0820 1160
 1800 0650 0680 0800 1120
 2000 0720 0750 0850 1160
 2200 0620 0640 0730 1010
 0000 0500 0520 0570 0770
 0200 0450 0460 0510 0680
 0400 0410 0420 0480 0640
 0600 0440 0470 0550 0790
 0800 0580 0620 0730 1060
 = AR

4735 kHz, 05-09, 0700 UTC

VVV VVV PROMRÖ = 05 09 =
 1000 0640 0670 0800 1210
 1200 0650 0680 0800 1250
 1400 0670 0710 0820 1240
 1600 0680 0710 0830 1170
 1800 0660 0690 0800 1140
 2000 0710 0730 0830 1140
 2200 0600 0620 0580 0980
 0000 0490 0500 0560 0750
 0200 0440 0450 0510 0670
 0400 0710 0420 0480 0640
 0600 0430 0450 0520 0740
 0800 0580 0610 0730 1060
 = ABV
 VVV VVV PROMRÖ = 05 09 =
 1000 0640 0670 0800 1210
 1200 0650 0680 0800 1250
 1400 0670 0710 0820 1240
 1600 0680 0710 0830 1170
 1800 0660 0690 0800 1140
 2000 0710 0730 0830 1140
 2200 0600 0620 0580 0980
 0000 0490 0500 0560 0750
 0200 0440 0450 0510 0670
 0400 0710 0420 0480 0640
 0600 0430 0450 0520 0740
 0800 0580 0610 0730 1060
 = AR

4735 kHz, 02-09, 0700 UTC

VVV VVV PROMRÖ = 02 09 =
 1000 0630 0670 0790 1220
 1200 0640 0670 0790 1250
 1400 0670 0700 0810 1240
 1600 0670 0700 0820 1160
 1800 0650 0680 0790 1120
 2000 0720 0750 0850 1170
 2200 0620 0650 0730 1010
 0000 0490 0510 0570 0770
 0200 0450 0460 0510 0680
 0400 0410 0430 0480 0640
 0600 0440 0460 0530 0750
 0800 0590 0620 0730 1050
 = ABV
 VVV VVV PROMRÖ = 02 09 =
 1000 0630 0670 0790 1220
 1200 0640 0670 0790 1250
 1400 0670 0700 0810 1240
 1600 0670 0700 0820 1160
 1800 0650 0680 0790 1120
 2000 0720 0750 0850 1170
 2200 0620 0650 0730 1010
 0000 0490 0510 0570 0770
 0200 0450 0460 0510 0680
 0400 0410 0430 0480 0640
 0600 0440 0460 0530 0750
 0800 0590 0620 0730 1050
 = AR

4735 kHz, 06-09, 0700 UTC

VVVVV PROMRÖ = 06 09 =
 1000 0640 0680 0810 1210
 1200 0650 0690 0810 1240
 1400 0680 0710 0830 1240
 1600 0680 0720 0830 1180
 1800 0660 0690 0810 1150
 2000 0710 0730 0790 1140
 2200 0590 0620 0740 0970
 0000 0440 0500 0580 0750
 0200 0480 0450 0500 0670
 0400 0410 0420 0470 0640
 0600 0430 0450 0520 0730
 0800 0580 0610 0730 1070
 = ABV
 VVVVV PROMRÖ = 06 09 =
 1000 0640 0680 0810 1210
 1200 0650 0690 0810 1240
 1400 0680 0710 0830 1240
 1600 0680 0720 0830 1180
 1800 0660 0690 0810 1150
 2000 0710 0730 0790 1140
 2200 0590 0620 0740 0970
 0000 0440 0500 0580 0750
 0200 0480 0450 0500 0670
 0400 0410 0420 0470 0640
 0600 0430 0450 0520 0730
 0800 0580 0610 0730 1070
 = AR

4735 kHz, 03-09, 0702 UTC.

Restart at 0707 UTC
 VVVVV PROMRÖ = 03 09 =
 1000 0630 0670 0790 1220
 1200 0640 0680 0790 1250
 1400 0660 0700 0810 1240
 1600 0660 0700 0820 1160
 1800 0650 0680 0790 1120
 2000 0720 0740 0840 1150
 2200 0610 0630 0720 1000
 0000 0490 0510 0570 0760
 0200 0450 0460 0510 0680
 0400 0410 0430 0480 0640
 0600 0440 0460 0530 0740
 0800 0580 0620 0730 1060
 = ABV =
 VVVVV PROMRÖ = 03 09 =
 1000 0630 0670 0790 1220
 1200 0640 0680 0790 1250
 1400 0660 0700 0810 1240
 1600 0660 0700 0820 1160
 1800 0650 0680 0790 1120
 2000 0720 0740 0840 1150
 2200 0610 0630 0720 1000
 0000 0490 0510 0570 0760
 0200 0450 0460 0510 0680
 0400 0410 0430 0480 0640
 0600 0440 0460 0530 0740
 0800 0580 0620 0730 1060
 = AR

4735 kHz, 07-09, 0700 UTC

VVVVV PROMRÖ = 07 09 =
 1000 0640 0680 0810 1210
 1200 0650 0690 0810 1250
 1400 0680 0720 0830 1240
 1600 0680 0710 0830 1190
 1800 0660 0690 0800 1140
 2000 0700 0730 0830 1130
 2200 0580 0610 0690 0960
 0000 0480 0490 0550 0740
 0200 0440 0450 0500 0670
 0400 0400 0410 0470 0630
 0600 0420 0440 0510 0720
 0800 0580 0620 0730 1070
 = ABV =
 VVVVV PROMRÖ = 07 09 =
 1000 0640 0680 0810 1210
 1200 0650 0690 0810 1250
 1400 0680 0720 0830 1240
 1600 0680 0710 0830 1190
 1800 0660 0690 0800 1140
 2000 0700 0730 0830 1130
 2200 0580 0610 0690 0960
 0000 0480 0490 0550 0740
 0200 0440 0450 0500 0670
 0400 0400 0410 0470 0630
 0600 0420 0440 0510 0720
 0800 0580 0620 0730 1070
 = AR

4735 kHz, 04-09, 0700 UTC

VVVVV PROMRÖ = 04 09 =
 1000 0640 0670 0800 1220
 1200 0640 0680 0800 1250
 1400 0670 0700 0800 1240
 1600 0680 0710 0820 1180
 1800 0660 0680 0800 1130
 2000 0710 0740 0840 1150
 2200 0600 0630 0710 0990
 2400 0490 0510 0570 0760
 0200 0440 0460 0510 0670
 0400 0410 0420 0480 0640
 0600 0440 0450 0530 0740
 0800 0580 0620 0740 1060
 = ABV
 VVVVV PROMRÖ = 04 09 =
 1000 0640 0670 0800 1220
 1200 0640 0680 0800 1250
 1400 0670 0700 0800 1240
 1600 0680 0710 0820 1180
 1800 0660 0680 0800 1130
 2000 0710 0740 0840 1150
 2200 0600 0630 0710 0990
 2400 0490 0510 0570 0760
 0200 0440 0460 0510 0670
 0400 0410 0420 0480 0640
 0600 0440 0450 0530 0740
 0800 0580 0620 0740 1060
 = AR

4735 kHz, 08-09, 0700 UTC

VVV VVV PROMRÖ = 08 09 =
 1000 0640 0680 0810 1210
 1200 0660 0690 0820 1250
 1400 0690 0720 0840 1240
 1600 0680 0720 0830 1190
 1800 0650 0690 0810 1160
 2000 0650 0720 0820 1130
 2200 0680 0610 0690 0950
 2400 0470 0480 0540 0730
 0200 0640 0440 0490 0760
 0400 0390 0400 0460 0710
 0600 0420 0440 0510 0720
 0800 0580 0610 0730 1070
 = ABV =
 VVV VVV PROMRÖ = 08 09 =
 1000 0640 0680 0810 1210
 1200 0660 0690 0820 1250
 1400 0690 0720 0840 1240
 1600 0680 0720 0830 1190
 1800 0650 0690 0810 1160
 2000 0650 0720 0820 1130
 2200 0680 0610 0690 0950
 2400 0470 0480 0540 0730
 0200 0640 0440 0490 0760
 0400 0390 0400 0460 0710
 0600 0420 0440 0510 0720
 0800 0580 0610 0730 1070
 = AR

4735 kHz, 09-09, 0700 UTC
VVV VVV PROMRÖ = 09 09 =
1000 0650 0690 0820 1210
1200 0660 0700 0820 1250
1400 0700 0730 0850 1240
1600 0590 0720 0850 1240
1800 0670 0700 0820 1160
2000 0700 0730 0840 1150
2200 0590 0610 0690 0960
0000 0470 0490 0540 0930
0200 0430 0440 0490 0660
0400 0400 0410 0460 0610
0600 0420 0430 0510 0710
0800 0580 0610 0730 1070
= ABV
VVV VVV PROMRÖ = 09 09 =
1000 0650 0690 0820 1210
1200 0660 0700 0820 1250
1400 0700 0730 0850 1240
1600 0590 0720 0850 1240
1800 0670 0700 0820 1160
2000 0700 0730 0840 1150
2200 0590 0610 0690 0960
0000 0470 0490 0540 0930
0200 0430 0440 0490 0660
0400 0400 0410 0460 0610
0600 0420 0430 0510 0710
0800 0580 0610 0730 1070
= AR

4735 kHz, 13-09, 0700 UTC
VVVVV PROMRÖ = 13 09 =
1000 0670 0710 0840 1230
1200 0700 0730 0860 1250
1400 0730 0770 0890 1270
1600 0720 0760 0880 1250
1800 0700 0740 0870 1230
2000 0720 0750 0850 1170
2200 0590 0610 0690 0950
2400 0470 0490 0550 0730
0200 0430 0440 0500 0660
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0590 0630 0750 1100
= ABV =
VVVVV PROMRÖ = 13 09 =
1000 0670 0710 0840 1230
1200 0700 0730 0860 1250
1400 0730 0770 0890 1270
1600 0720 0760 0880 1250
1800 0700 0740 0870 1230
2000 0720 0750 0850 1170
2200 0590 0610 0690 0950
2400 0470 0490 0550 0730
0200 0430 0440 0500 0660
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0590 0630 0750 1100
= AR

4735 kHz, 10-09, 0700 UTC
VVV VVV PROMRÖ = 10 09 =
1000 0650 0690 0820 1210
1200 0670 0700 0830 1250
1400 0700 0730 0860 1240
1600 0700 0730 085E 1210
1800 0670 0710 0830 1180
2000 0710 0740 0840 1150
2200 0590 0610 0700 0950
0000 0470 0480 0540 0720
0200 0420 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0510 0710
0800 0580 0620 0740 1080
= ABV
VVV VVV PROMRÖ = 10 09 =
1000 0650 0690 0820 1210
1200 0670 0700 0830 1250
1400 0700 0730 0860 1240
1600 0700 0730 085E 1210
1800 0670 0710 0830 1180
2000 0710 0740 0840 1150
2200 0590 0610 0700 0950
0000 0470 0480 0540 0720
0200 0420 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0510 0710
0800 0580 0620 0740 1080
= AR

4735 kHz, 14-09, 0700 UTC
VVVVV PROMRÖ = 1409 =
1000 0670 0710 0850 1230
1200 0710 0740 0870 1250
1400 0750 0780 0900 1280
1600 0730 0770 0900 1280
1800 0720 0750 0880 1250
2000 0730 0750 0860 1170
2200 0590 0610 0690 0950
0000 0480 0490 0550 0730
0200 0440 0450 0500 0670
0400 0420 0470 0620
0600 0410 0430 0500 0710
0800 0590 0630 0750 1110
= ABV
VVVVV PROMRÖ = 1409 =
1000 0670 0710 0850 1230
1200 0710 0740 0870 1250
1400 0750 0780 0900 1280
1600 0730 0770 0900 1280
1800 0720 0750 0880 1250
2000 0730 0750 0860 1170
2200 0590 0610 0690 0950
0000 0480 0490 0550 0730
0200 0440 0450 0500 0670
0400 0420 0470 0620
0600 0410 0430 0500 0710
0800 0590 0630 0750 1110
= AR

4735 kHz, 11-09, 0700 UTC
VVVVV PROMRÖ = 11 09 =
1000 0650 0690 0820 1210
1200 0670 0710 0840 1250
1400 0710 0740 0860 1240
1600 0700 0740 0860 1230
1800 0680 0710 0830 1190
2000 0710 0730 0830 1150
2200 0590 0610 0690 0950
0000 0470 0480 0540 0730
0200 0430 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0580 0620 0740 1090
= ABV
VVVVV PROMRÖ = 11 09 =
1000 0650 0690 0820 1210
1200 0670 0710 0840 1250
1400 0710 0740 0860 1240
1600 0700 0740 0860 1230
1800 0680 0710 0830 1190
2000 0710 0730 0830 1150
2200 0590 0610 0690 0950
0000 0470 0480 0540 0730
0200 0430 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0580 0620 0740 1090
= AR

4735 kHz, 15-09, 0700 UTC
VVVVV PROMRÖ = 1509 =
1000 0680 0720 0860 1250
1200 0720 0760 0880 1260
1400 0760 0790 0920 1300
1600 0740 0780 0910 1280
1800 0730 0770 0900 1280
2000 0730 0760 0860 1190
2200 0590 0610 0690 0940
0000 0480 0490 0550 0730
0200 0440 0450 0550 0670
0400 0410 0420 0470 0630
0600 0410 0430 0510 0710
0800 0600 0650 0760 1120
= ABV
VVVVV PROMRÖ = 1509 =
1000 0680 0720 0860 1250
1200 0720 0760 0880 1260
1400 0760 0790 0920 1300
1600 0740 0780 0910 1280
1800 0730 0770 0900 1280
2000 0730 0760 0860 1190
2200 0590 0610 0690 0940
0000 0480 0490 0550 0730
0200 0440 0450 0550 0670
0400 0410 0420 0470 0630
0600 0410 0430 0510 0710
0800 0600 0650 0760 1120
= AR

4735 kHz, 12-09, 0700 UTC
VVV VVV PROMRÖ 1209
1000 0660 0700 0840 1220
1200 0690 0720 0850 1250
1400 0720 0560 0880 1250
1600 0710 0750 0870 1240
1800 0690 0730 0850 1210
2000 0720 0740 0850 1160
2200 0590 0610 0690 0950
0000 0470 0490 0540 0730
0200 0430 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0590 0620 0710 1100
= ABV
VVV VVV PROMRÖ 1209
1000 0660 0700 0840 1220
1200 0690 0720 0850 1250
1400 0720 0560 0880 1250
1600 0710 0750 0870 1240
1800 0690 0730 0850 1210
2000 0720 0740 0850 1160
2200 0590 0610 0690 0950
0000 0470 0490 0540 0730
0200 0430 0440 0490 0650
0400 0400 0410 0460 0620
0600 0410 0430 0500 0710
0800 0590 0620 0710 1100
= AR

4735 kHz, 16-09, 0700 UTC
VVV VVV PROMRÖ = 1609 =
1000 0690 0730 0870 1260
1200 0730 0770 0900 1280
1400 0770 0800 0930 1310
1600 0750 0790 0920 1290
1800 0750 0780 0920 1300
2000 0740 0760 0870 1190
2200 0590 0610 0690 0930
0000 0480 0490 0550 0730
0200 0440 0450 0500 0670
0400 0410 0420 0470 0630
0600 0420 0440 0500 0710
0800 0600 0650 0770 1130
= ABV
VVV VVV PROMRÖ = 1609 =
1000 0690 0730 0870 1260
1200 0730 0770 0900 1280
1400 0770 0800 0930 1310
1600 0750 0790 0920 1290
1800 0750 0780 0920 1300
2000 0740 0760 0870 1190
2200 0590 0610 0690 0930
0000 0480 0490 0550 0730
0200 0440 0450 0500 0670
0400 0410 0420 0470 0630
0600 0420 0440 0500 0710
0800 0600 0650 0770 1130
= AR

4735 kHz, 17-09, 0700 UTC

VVVVV PROMRÖ = 1709 =
 1000 0700 0740 0880 1270
 1200 0740 0770 0910 1290
 1400 0780 0710 0940 1330
 1600 0760 0790 0920 1300
 1800 0750 0790 0920 1310
 2000 0730 0760 0860 1190
 2200 0590 0610 0690 0930
 0000 0480 0490 0550 0730
 0200 0440 0450 0510 0670
 0400 0410 0420 0470 0630
 0600 0420 0430 0510 0710
 0800 0610 0650 0780 1140
 = ABV
 VVVVV PROMRÖ = 1709 =
 1000 0700 0740 0880 1270
 1200 0740 0770 0910 1290
 1400 0780 0710 0940 1330
 1600 0760 0790 0920 1300
 1800 0750 0790 0920 1310
 2000 0730 0760 0860 1190
 2200 0590 0610 0690 0930
 0000 0480 0490 0550 0730
 0200 0440 0450 0510 0670
 0400 0410 0420 0470 0630
 0600 0420 0430 0510 0710
 0800 0610 0650 0780 1140
 = AR

4735 kHz, 18-09, 0700 UTC

VVV VVV PROMRÖ = 1809 =
 1000 0710 0750 0890 1290
 1200 0750 0790 0910 1300
 1400 0790 0820 0950 1340
 1600 0770 0800 0930 1320
 1800 0760 0800 0940 1340
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0920
 0000 0470 0490 0540 0720
 0200 0440 0450 0500 0660
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1150
 = ABV
 VVV VVV PROMRÖ = 1809 =
 1000 0710 0750 0890 1290
 1200 0750 0790 0910 1300
 1400 0790 0820 0950 1340
 1600 0770 0800 0930 1320
 1800 0760 0800 0940 1340
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0920
 0000 0470 0490 0540 0720
 0200 0440 0450 0500 0660
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1150
 = AR

4735 kHz, 19-09, 0700 UTC

VVVVV PROMRÖ = 1909 =
 1000 0720 0760 0890 1300
 1200 0760 0790 0920 1320
 1400 0800 0830 0960 1350
 1600 0780 0810 0940 1330
 1800 0770 0810 0950 1350
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0910
 0000 0480 0490 0550 0720
 0200 0440 0450 0500 0670
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1160
 = ABV =
 VVVVV PROMRÖ = 1909 =
 1000 0720 0760 0890 1300
 1200 0760 0790 0920 1320
 1400 0800 0830 0960 1350
 1600 0780 0810 0940 1330
 1800 0770 0810 0950 1350
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0910
 0000 0480 0490 0550 0720
 0200 0440 0450 0500 0670
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1160
 = AR

4735 kHz, 20-09

0701z Random keying
0702z 6BQY DE TYN7 K
0705z message
 VVV VVV PROMRÖ = 2009 =
 1000 0710 0750 0890 1290
 1200 0750 0790 0910 1300
 1400 0790 0820 0950 1340
 1600 0770 0800 0930 1320
 1800 0760 0800 0940 1340
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0920
 0000 0470 0490 0540 0720
 0200 0440 0450 0500 0660
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1150
 = ABV
 VVV VVV PROMRÖ = 2009 =
 1000 0710 0750 0890 1290
 1200 0750 0790 0910 1300
 1400 0790 0820 0950 1340
 1600 0770 0800 0930 1320
 1800 0760 0800 0940 1340
 2000 0730 0760 0860 1180
 2200 0580 0600 0680 0920
 0000 0470 0490 0540 0720
 0200 0440 0450 0500 0660
 0400 0410 0420 0470 0630
 0600 0410 0430 0500 0700
 0800 0620 0660 0790 1150
 = AR

4735 kHz, 21-09, 0700 UTC

VVV VVV PROMRÖ = 2109 =
 1000 0740 0780 0920 1320
 1200 0780 0820 0960 1350
 1400 0830 0860 1000 1400
 1600 0800 0840 0970 1370
 1800 0810 0850 0980 1400
 2000 0740 0770 0870 1190
 2200 0580 0600 0670 0910
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0670
 0400 0420 0430 0480 0640
 0600 0410 0430 0500 0700
 0800 0630 0670 0800 1180
 = ABV
 VVV VVV PROMRÖ = 2109 =
 1000 0740 0780 0920 1320
 1200 0780 0820 0960 1350
 1400 0830 0860 1000 1400
 1600 0800 0840 0970 1370
 1800 0810 0850 0980 1400
 2000 0740 0770 0870 1190
 2200 0580 0600 0670 0910
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0670
 0400 0420 0430 0480 0640
 0600 0410 0430 0500 0700
 0800 0630 0670 0800 1180
 = AR

4735 kHz, 22-09, 0700 UTC

VVVVV PROMRÖ = 2209 =
 1000 0740 0780 0920 1330
 1200 0790 0830 0960 1360
 1400 0830 0870 1000 1410
 1600 0810 0840 0970 1370
 1800 0820 0860 1000 1420
 2000 0740 0770 0870 1200
 2200 0580 0600 0680 0920
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0680
 0400 0420 0430 0480 0640
 0600 0420 0440 0500 0700
 0800 0640 0680 0810 1180
 = ABV
 VVVVV PROMRÖ = 2209 =
 1000 0740 0780 0920 1330
 1200 0790 0830 0960 1360
 1400 0830 0870 1000 1410
 1600 0810 0840 0970 1370
 1800 0820 0860 1000 1420
 2000 0740 0770 0870 1200
 2200 0580 0600 0680 0920
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0680
 0400 0420 0430 0480 0640
 0600 0420 0440 0500 0700
 0800 0640 0680 0810 1180
 = AR

4735 kHz, 23-09, 0700 UTC

VVVVV PROMRÖ = 2309 =
 1000 0750 0790 0920 1330
 1200 0790 0830 0970 1360
 1400 0840 0880 1000 1410
 1600 0810 0840 0970 1370
 1800 0820 0860 1000 1420
 2000 0740 0770 0870 1200
 2200 0580 0600 0670 0910
 0000 0480 0500 0550 0730
 0200 0450 0460 0520 0680
 0400 0420 0430 0480 0650
 0600 0420 0440 0500 0710
 0800 0640 0680 0810 1190
 = ABV =
 VVVVV PROMRÖ = 2309 =
 1000 0750 0790 0920 1330
 1200 0790 0830 0970 1360
 1400 0840 0880 1000 1410
 1600 0810 0840 0970 1370
 1800 0820 0860 1000 1420
 2000 0740 0770 0870 1200
 2200 0580 0600 0670 0910
 0000 0480 0500 0550 0730
 0200 0450 0460 0520 0680
 0400 0420 0430 0480 0650
 0600 0420 0440 0500 0710
 0800 0640 0680 0810 1190
 = AR

4735 kHz, 24-09, 0700 UTC

VVVVV PROMRÖ = 2409 =
 1000 0750 0790 0930 1340
 1200 0800 0840 0970 1350
 1400 0840 0880 1010 1410
 1600 0810 0850 0980 1380
 1800 0820 0870 1010 1430
 2000 0740 0760 0870 1190
 2200 0580 0590 0670 0900
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0680
 0400 0420 0430 0480 0640
 0600 0420 0440 0510 0710
 0800 0640 0680 0810 1190
 = ABV
 VVVVV PROMRÖ = 2409 =
 1000 0750 0790 0930 1340
 1200 0800 0840 0970 1350
 1400 0840 0880 1010 1410
 1600 0810 0850 0980 1380
 1800 0820 0870 1010 1430
 2000 0740 0760 0870 1190
 2200 0580 0590 0670 0900
 0000 0480 0500 0550 0730
 0200 0450 0460 0510 0680
 0400 0420 0430 0480 0640
 0600 0420 0440 0510 0710
 0800 0640 0680 0810 1190
 = AR

4735 kHz, 25-09, 0700 UTC

VVVVV PROMRÖ = 2509 =
 1000 0750 0790 0930 1340
 1200 0800 0840 0970 1370
 1400 0840 0880 1010 1410
 1600 0810 0850 0980 1380
 1800 0820 0870 1000 1430
 2000 0730 0760 0860 1190
 2200 0570 0590 0670 0900
 2400 0480 0490 0550 0730
 0200 0450 0460 0510 0670
 0400 0420 0430 0480 0640
 0600 0420 0440 0500 0700
 0800 0640 0680 0810 1190
 = ABV =
 VVVVV PROMRÖ = 2509 =
 1000 0750 0790 0930 1340
 1200 0800 0840 0970 1370
 1400 0840 0880 1010 1410
 1600 0810 0850 0980 1380
 1800 0820 0870 1000 1430
 2000 0730 0760 0860 1190
 2200 0570 0590 0670 0900
 2400 0480 0490 0550 0730
 0200 0450 0460 0510 0670
 0400 0420 0430 0480 0640
 0600 0420 0440 0500 0700
 0800 0640 0680 0810 1190
 = AR

4735 kHz, 28-09, 0700 UTC

VVVVV PROMRÖ = 2809 =
 1000 0770 0810 0950 1360
 1200 0810 0850 0980 1380
 1400 0850 0890 1020 1420
 1600 0830 0860 0990 1390
 1800 0840 0880 1020 1450
 2000 0720 0740 0850 1160
 2200 0550 0570 0650 0880
 2400 0480 0490 0540 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0420 0440 0510 0710
 0800 0650 0690 0830 1200
 = ABV =
 VVVVV PROMRÖ = 2809 =
 1000 0770 0810 0950 1360
 1200 0810 0850 0980 1380
 1400 0850 0890 1020 1420
 1600 0830 0860 0990 1390
 1800 0840 0880 1020 1450
 2000 0720 0740 0850 1160
 2200 0550 0570 0650 0880
 2400 0480 0490 0540 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0420 0440 0510 0710
 0800 0650 0690 0830 1200
 = AR

4735 kHz, 26-09, 0700 UTC

VVVVV PROMRÖ = 2609 =
 1000 0760 0800 0940 1350
 1200 0800 0840 0970 1370
 1400 0850 0880 1010 1420
 1600 0820 0860 0990 1390
 1800 0830 0870 1020 1440
 2000 0730 0760 0860 1180
 2200 0570 0580 0660 0900
 0000 0480 0500 0550 0730
 0200 0460 0470 0520 0680
 0400 0430 0440 0490 0650
 0600 0420 0440 0510 0710
 0800 0640 0680 0820 1190
 = ABV
 VVVVV PROMRÖ = 2609 =
 1000 0760 0800 0940 1350
 1200 0800 0840 0970 1370
 1400 0850 0880 1010 1420
 1600 0820 0860 0990 1390
 1800 0830 0870 1020 1440
 2000 0730 0760 0860 1180
 2200 0570 0580 0660 0900
 0000 0480 0500 0550 0730
 0200 0460 0470 0520 0680
 0400 0430 0440 0490 0650
 0600 0420 0440 0510 0710
 0800 0640 0680 0820 1190
 = AR

4735 kHz, 29-09, 0700 UTC

VVVVV PROMRÖ = 2909 =
 1000 0770 0810 0950 1360
 1200 0820 0850 0990 1380
 1400 0870 0900 1040 1440
 1600 0850 0880 1010 1420
 1800 0850 0890 1030 1460
 2000 0710 0740 0840 1160
 2200 0550 0570 0650 0870
 2400 0480 0490 0540 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0490 0660
 0600 0420 0440 0510 0720
 0800 0660 0690 0830 1210
 = ABV =
 VVVVV PROMRÖ = 2909 =
 1000 0770 0810 0950 1360
 1200 0820 0850 0990 1380
 1400 0870 0900 1040 1440
 1600 0850 0880 1010 1420
 1800 0850 0890 1030 1460
 2000 0710 0740 0840 1160
 2200 0550 0570 0650 0870
 2400 0480 0490 0540 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0490 0660
 0600 0420 0440 0510 0720
 0800 0660 0690 0830 1210
 = AR

4735 kHz, 27-09, 0700 UTC

VVVVV PROMRÖ = 2709 =
 1000 0760 0800 0940 1360
 1200 0810 0850 0980 1380
 1400 0850 0880 1020 1420
 1600 0830 0860 1000 1390
 1800 0840 0880 1020 1450
 2000 0720 0750 0850 1180
 2200 0560 0580 0660 0890
 0000 0480 0490 0550 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0420 0440 0510 0710
 0800 0650 0690 0820 1190
 = ABV =
 VVVVV PROMRÖ = 2709 =
 1000 0760 0800 0940 1360
 1200 0810 0850 0980 1380
 1400 0850 0880 1020 1420
 1600 0830 0860 1000 1390
 1800 0840 0880 1020 1450
 2000 0720 0750 0850 1180
 2200 0560 0580 0660 0890
 0000 0480 0490 0550 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0420 0440 0510 0710
 0800 0650 0690 0820 1190
 = AR

4735 kHz, 30-09, 0700 UTC

VVVVV PROMRÖ = 3009 =
 1000 0780 0820 0960 1370
 1200 0840 0860 0990 1400
 1400 0870 0900 1030 1440
 1600 0850 0890 1020 1410
 1800 0860 0900 1040 1470
 2000 0710 0740 0840 1160
 2200 0560 0580 0650 0880
 2400 0480 0500 0550 0720
 0200 0460 0470 0530 0690
 0400 0440 0450 0500 0660
 0600 0430 0450 0520 0720
 0800 0660 0700 0840 1220
 = ABV
 VVVVV PROMRÖ = 3009 =
 1000 0780 0820 0960 1370
 1200 0840 0860 0990 1400
 1400 0870 0900 1030 1440
 1600 0850 0890 1020 1410
 1800 0860 0900 1040 1470
 2000 0710 0740 0840 1160
 2200 0560 0580 0650 0880
 2400 0480 0500 0550 0720
 0200 0460 0470 0530 0690
 0400 0440 0450 0500 0660
 0600 0430 0450 0520 0720
 0800 0660 0700 0840 1220
 = AR

DIGITAL MODES

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

M42 – various modes

9186 kHz, 05-09, 1229 UTC, OFDM-93
12207 kHz, 07-09, 0920 UTC, OFDM-112
3801 kHz, 15-09, 1922 UTC, OFDM-60
10932 kHz, 19-09, 1050 UTC, OFDM-12
14712 kHz, 16-09, 1200 UTC, 8x62.5Bd QPSK

Test/training transmissions

10256 kHz, 23-09, 1213 UTC, MFSK-16/96tones+250Bd BPSK
10256 kHz, 23-09, 1223 UTC, MFSK-16/96tones+250Bd BPSK
10256 kHz, 23-09, 1233 UTC, MFSK-16/96tones+250Bd BPSK
10256 kHz, 23-09, 1245 UTC, 5xMFSK-16+250Bd BPSK 512
10256 kHz, 23-09, 1305 UTC, MFSK-16/96tones+250Bd BPSK
9142 kHz, 26-09, 0730 UTC, 8x62.5Bd QPSK+250Bd BPSK
10256 kHz, 26-09, 0740 UTC, 8x62.5Bd QPSK+250Bd BPSK
11431 kHz, 26-09, 0750 UTC, 8x62.5Bd QPSK+250Bd BPSK
9142 kHz, 26-09, 0800 UTC, MFSK-16/96tones+250Bd BPSK
10256 kHz, 26-09, 0810 UTC, MFSK-16/96tones+250Bd BPSK
11431 kHz, 26-09, 0820 UTC, MFSK-16/96tones+250Bd BPSK
9142 kHz, 26-09, 0830 UTC, 5x10Bd 16FSK+250Bd BPSK
10256 kHz, 26-09, 0840 UTC, 5x10Bd 16FSK+250Bd BPSK
11431 kHz, 26-09, 0850 UTC, 5x10Bd 16FSK+250Bd BPSK
9142 kHz, 26-09, 0900 UTC, 2x62.5Bd QPSK
10256 kHz, 26-09, 0910 UTC, 2x62.5Bd QPSK
11431 kHz, 26-09, 0920 UTC, 2x62.5Bd QPSK
9142 kHz, 26-09, 1140 UTC, 2x62.5Bd QPSK
10256 kHz, 26-09, 1150 UTC, USB, Transmitter noise only
11431 kHz, 26-09, 1200 UTC, 2x62.5Bd QPSK
9142 kHz, 26-09, 1210 UTC, USB, Transmitter noise only
10256 kHz, 26-09, 1220 UTC, USB, Short 1000Hz beep only
11431 kHz, 26-09, 1230 UTC, 8x62.5Bd QPSK
9142 kHz, 26-09, 1250 UTC, 8x62.5Bd QPSK
10256 kHz, 26-09, 1300 UTC, 8x62.5Bd QPSK
11431 kHz, 26-09, 1310 UTC, 8x62.5Bd QPSK

M42b – FSK 50/500

17464 kHz, 07-09, 1145 UTC, FSK 100/500/FSK CW. Unid wkg RHO

11100 30109 54827 07129 05003
16276 81455 51075 80487 72716 77711 36881 03545 15079 09570
19740 52373 15383 09370 97553 72508 56454 42000 23545 48988
33091 04477 72904 83327 55672 37727 70469 75662 79641 67775
65375 41763 09312 18503 63618 19593 49418 63175 54464 45110
02871 06941 91646 01991 38127 17456 15281 74971 74638 45854
25444 61482 59793 05230 43350 21282 35810 98833 21061 68754
20000 15154 85669 37580 46855 32092 28893 72453 45381 97391
78012 27534 50132 77543 09103 76334 69363 92320 88480 62712
58759 77146 53309 47662 74160 40495 67312 31608 01731 08483
12509 56854 89010 73860 02935 19914 25280 91595 31261 48382
44676 88208 84270 22045 50504 77078 88113 42921 84177 96889
69290 83910 87223 15408 42287 70747 29792 65778 59818 76939
04105 07531 86599 36385 06291 29479 82588 03352 55025 36699
06649 14507 20436 88787 76547 32684 61689 81558 46245 77080
96717 89404 86408 69562 52499 10479 79082 51770 69352 81896
62458 52723 57667 57148 86677 11583 30519 62903 66611 85292
60588 77401 42545 95764 34854 97602 84713 96303 05454 87308

02624 61954 60194 23417 45096 33471 61116 82513 01966 69577
24568 34981 43384 87219 41214 38816 57655 94495 59436 50345
73545 45950 80533 94010 77997 74909 39188 58441 65201 82568
67623 10968 77942 88497 66879 47792 27177 72257 33669 21978
00767 60824 16226 16474 97308 41498 97604 54330 46003 04986
29848 63322 98495 48348 67482 37150 03621 92502 73759 60401
01008 93957 98088 89487 94453 55476 48109 06707 91037 65351
04812 89651 16881 19984 54179 63130 45510 09446 33760 25795
99756 70724 17621 68670 13129 38324 88124 27754 61590 46922
67948 37896 01689 65761 10804 80129 75973 69471 74282 39650
71627 74997 23265 16624 43264 99336 37341 57018 35827 17757
20663 95632 68512 27199 37683 28535 65676 44529 23208 57071
45642 94356 40201 70647 03368 66083 83782 60469 47880 44874
54857 81424 80455 46251 51807 04301 24436 08978 53686 25518
42662 25943 93361 26573 03431 17707 44028 00375 80929 78423
67545 86661 01079 48808 98023 83694 68725 95838 59102 28397
37115 03890 38359 62146 05598 06982 67283 24398 56477 16817
80254 41324 66979 26324 50963 01662 57233 93732 29708 36959
60243 34284 30011 48397 24762 82089 37987 47385 87008 88754
42904 02111 72181 76535 12372 07241 11689 67869 60598 18944
87032 48573 83146 22440 36305 44035 56640 24256 84204 13079
26841 86373 81536 89197 33542 44463 65116 23828 45723 77380
74024 11372 05391 20126 83145 00640 03545 37449 39928 22408
36720 00280 15309 87778 17526 32183 04730 37022 37627 18024
40193 43603 06606 92013 99287 03064 15138 47357 22131 61462
95927 34655 72144 63044 80826 41267 01635 21845 77586 68822
08077 46905 14680 51059 92074 75779 27619 79186 52904 .6045
25211 26948 82606 59479 79243 92586 44540 18596 25861 99889
47355 40244 52356 25496 50302 75936 67539 44673 60840 93606
39272 12726 10459 00478 27572 24249 19661 11733 46713 17390
88043 44677 54775 15323 70418 43068 94059 22115 24899 61317
30835 15183 43902 63237 67830 01503 03992 15028 27919 29794
95516 77191 32435 75837 17961 25058 22550 43129 51962

11100 30109 78452 07130 05003

UANQW YOVIJ EDJVX MOFSE FQJHU EYYLG EOFXA FEFYY BEHHD XEAPS
RYSOI OBOWP GAEIY WHFEA RRANX RKXNC YCBWD TBEVI SDKGE IYQVK
WKATH HMVCO MFHFQ EOXLH YMYJV OYFGX HAGIC GSWBI MVUQM DGNEN
IFSJQ YUVSF CMGQA IWFUI EMJYP FTUWY AIJII YKNBF BGACK HBVDY
TABPY LGKJI MXCVX INTMM UBQXQ NQHCX MXMXL UXBOK WREGK IIXWS
RGRAU KWQTL VPIPR PRFLV OXCAD CXVPX PJIBV AXOVE SXYLY SOARR
BERJU HOCMF TKQRL YVGWW UAQGC AMDHQ XCUNQ VHQVF YYNLO FMCQF
UMHYN ITJUS MPLEF TNAUF IWDNM KUAPI UOECX XQNNP QRPKY NFASF
YCNVS XBRIQ MMEIT EQTFP VLPFV ERRFQ YKMKY HMBKW VEKGD TTRPK
POCIC TYKKA AHGGH HISBO SRWFE FNJQK BRGBS PIUPH MTAUA YPYHE
YWUYO VGVQX DQMOQ UBHJC XJXFV LXMTF QWWDK RSR00 GMJIQ AJFID
DIXVG IVNBH JJHRH HDAWX TPLJV CMYBW VTHOH HNCVP RPCNE POAHF
JFADX DHEBJ MYSMK WHXNK GIPFA GGEGT CSCRA EUQUM SGMUE KVMBL
MXJFT PFUSF QVQCS BBRPB UNYPW IGKUU IAGJA YMWDM SHCFS PQMBL
HQDMP LRTBC JHOGH FOJNU IONUW PCGXS LFKDU FMUYR NWIQX PNVBL
VROHM XFPFW HBIOT JGCTT VDRXJ QIPPP UMTPW YYDHL MBHDI BTPFF
TINNK DBGIQ RQRAX ELYNF HGBXA HPAGG TJCQG QNGRN FKNCY XJTPQ
RMFUY XKHYS LYHWL TKXSR LSXGK XKGJH AHENE RYQBK TJBSO VTUMH
IQIEF WGYEI OILHP JDHVS FMXAH VOUEX XIMFE JKTNY XVXCX BWBMS
YAWVY PTTTD EGKFB BPAQP HPUQT LPAVP UWSMT IAYOG VSDXN RRS0U
RVEKI VSYYM MYILG EHHRV FIUEW DCVXM ATBHJ UMXSS 0AUDJ TMKLP
HWRIC SLCWI ILMWX IRDTN CNGAY DRBHM ERPOK UHEXA WXXJK JGWNN
CQJUA WEGAH GAWJB HIPNC RBACO WQPK TEVKN QBFRI AEUQV EQIST
DOHNL KFHUC HSYAT JVSVK UMHFI DXYWX LSTJP PCASS IKIJF XFGXL
ABBFL OVMTF YESBK YMQJK IDMJL HERWA RSJ0X NBJIT RX0XG QLKFW
OMJBK UBXDY YAJGY PXRMI OFRNA DEROJ DQALY XAVHH XICTN HARVK
FYDFM BENDP RGUGF AJYBR YWYEH BDSXX IVRRL FOAMR EBFXC YPEQC
EPPSF VFXID KHGKE LUXAK YGUAR DWFXL VBRCL KHPST TSHAN BAFHD
QVHNB RFCMI TOAGY SLWHO JFIHP DCBKM TSBJO WGPAP GQYUC YAIGU
YRBBF JQIAA ORAUL NPNIL SNTQI UBFAST DGQVA LXAUG LARXO PUKTM
PIISW RUMTT WCFUD XEVKA TOONV EVMRQ XVVKD DOGJI BDAKF OYNSV
VSJXS JCBBW NKPJI ISFCR CBRQM COFEG LKTGS CHULY HMJGW WRWCC
TMFUK JOOLV IMKTA FDSQJ WFCJX JKBCD MNIEW GXCHM SD0RI HUYXO
JEIQC NRKKJ DLMWN DLGWL MNXHY AEUQM XJB0P CWXUQ RHVLA FKYIF
VW0PI ANQNG KIXWJ GOYEL ERRDT XKEFE XUKIA RXLIO KWFSB XCNAO

DLITI DUDEB JHWFC WGAJK VSEHO PNGBY QYUKN QEKKL GVMUT XHCSU
 ACEWR EJMWR FMEWA XUOIW KMXDL JHVLK MNYGA SJQRM VAMLF YLUTH
 MODGR CGMHH WBKUY DNWYB BMGDA OJLQX VDADI XNRDU NXAYC HNPPU
 SWHVE VWBDM WHDUQ GFYPJ PYBWA WBWVW QVJCN RYCKI CXIDJ SXOMD
 NIGNU OEGQP UVOHY TFSDR VKQJA TCPUL GKDJO EWVPK BOYVY GFHEJ
 IOONE FSQIX WHDCQ WUNNA MHEBR RXTCH NOMQC KBPDK JKJGB RPYAI
 YRWRV MWSGU DRTAT VXDPM QSLNA NPAWI BFMWV GSMHX EDIRO XKDQF
 DNQNY DBDRC RJPXN BIEHR JONMB SEIYM BLSEG WYQMX SHOBN EPYHQ
 TXDRU LFNXS EVVDR RJWDY TRMEI AWRGW QLJHL PAMCB PJXFW XBYUV
 WNYEI QENYF CJFFA UVJSB MNJBK PDWXU GHJIS WYVVO GNWCU HLUMI
 FIPMO IUCPJ ITASI UFIQC KPKLL JEXIQ IODOD SAHUR IHIBM XJXHW
 ACVXJ SPBBX BXAMV TFHSR DKOUQ SRSQF ISDTJ JEFIO CAWIU EHVLC
 DAQJM MJPOE ERFBP ITJCS RMVQX QUCYR VSAGN RLKGH WKLVO VLEGB
 QDTTY ACWRI WYWCJ CDKVV DCGRX UKCDB HFOGS RWBDD XKTJO NQXYR
 DTRDB MPBMN NXPGR YXAEQ PGPJT IGMNS WQXDR HMKGR BWCDL

Opchat in FSK CW
 CFM K
 QRQ 100 K
 QBN K
 BK QBN QRQ 100 K
 IRL I BK BK
 RPT AGN K
 QSL2 K
 RPT
 NIL SK SK

F01 – FSK 200/500

13467/11084/9052 kHz, 07-09, 1840/1850/1900 UTC

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

F01 – FSK 200/500 Mon-Fri schedule

9128/7546/5113 kHz, 01-09, 1015/1025/1035 UTC

76520 01287 22584 21418 27338 90818 78234 93427 25230 14694
 95766 02227 26757 69264 99680 59052 06831 97716 24058 00016
 49505 12778 69812 91079 66598 58571 57729 12035 11334 47573
 57005 17919 79187 33607 93954 01315 13132 06806 70584 03968
 55462 21486 47716 51153 13387 92872 72348 07237 30584 23606
 53945 75862 81895 45971 19338 93211 33352 90789 00926 87757
 34726 18905 37866 04971 36782 76207 94940 20399 50428 58131
 28785 89557 89946 94558 56169 08087 67494 91073 04014 64079
 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

62995 22231 26293 90538 79011 20537 63515 78056 88396 50148
 43661 32494 95418 90981 34160 05223 03112 64040 44206 38092
 75084 34219 07518 20960 41958 36244 80819 27850 00877 65959
 68979 86401 81509 04116 12750 60306 77008 64884 00037 49432
 63335 86245 86649 37292 55405 04480 37458 40584 73492 79913
 23890 40452 18318 66126 38725 00186 78269 39805 14105 99021
 17194 33429 53705 36759 16180 37970 15003 88848 67795 67807
 02586 16670 46198 05033 58421 62664 01562 65333 60052 85024
 52258 52655 62626 11614 73230 94811 45719 17822 03995 77246
 50873 58022 24705 17119 20806 05345 73731 44922 76206 65099
 00000 +++++

9128/7546/5113 kHz, 02-09, 1015/1025/1035 UTC

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

9128/7546/5113 kHz, 05-09, 1015/1025/1035 UTC

9128 kHz, wrong shift 200/1000

53313 22060 66403 69808 13463 80823 67778 01880 36821 97676
77661 05837 61624 08411 73025 31650 38288 42911 67334 41827
30305 48392 20472 29815 50000 86956 20260 96312 83850 80892
02735 19428 87025 04180 03389 79628 51871 43611 56555 25404
79990 77988 85118 90595 12640 48815 47756 99322 99102 20942
35877 19444 07744 56578 37457 50486 09425 51129 09962 56996
87976 04279 29531 83222 57398 24775 08626 10098 90492 92333
99316 40437 88613 25115 24409 23295 47205 26200 03581 53424
96839 07510 66731 06765 24428 14609 71727 97914 04292 00812
68723 70496 93784 24062 78260 56386 73157 64983 75313 64718
34346 89575 96491 86614 48371 04964 12563 26578 66038 81665
33505 96478 31633 40786 38256 33076 14283 29599 46366 25017
86687 33944 73729 60239 05901 00877 39583 29729 75845 70010
16966 48556 96260 36984 43818 80135 27756 97502 36921 74652
27673 45377 75846 57577 36429 23004 49118 29223 19042 47728
79769 61272 91513 62523 72478 01212 86765 84416 49475 20622
39815 49118 67408 68240 96877 75270 32349 13762 78074 96762
55237 93286 48454 36560 14235 92371 76988 20460 18301 27617
88255 54239 85645 12725 36481 12612 82778 19965 56628 13439
89222 72996 72231 75636 80779 31961 64652 84206 48450 56816
33447 10837 95177 59811 02540 63502 77614 83075 51881 63513
85098 62229 79282 73435 73015 61978 22115 24335 92753 94611
93553 15764 85423 57348 13073 86955 31530 49473 35851 82629
73797 55185 10802 61880 55321 03123 21900 23556 40240 38466
92492 46585 09117 68593 57290 68684 46212 68200 31753 51879
60838 54825 33419 08274 09990 70737 35129 84526 14423 32090
54554 28437 85380 31318 09885 86112 04160 03675 96316 03134
21680 93882 63020 28159 70277 83808 95287 42415 04883 67121
31545 63493 15781 81846 69912 96913 80147 36782 44004 33865
44533 92692 72653 18588 55503 84225 13252 33813 80595 93488
:3386 77711 86813 11227 60471 30782 68810 46534 74048 36118
43985 71033 70452 41491 56640 08473 54535 76690 58430 05667
78112 64549 57250 45721 49854 89106 51778 89481 86270 69326
93846 56144 58516 11829 45833 78963 14670 41063 25262 96990
82191 30348 53790 68791 80252 82245 52790 19069 96601 31674
52689 54137 08684 70219 08274 07178 53672 15078 37134 99221
77122 71056 23441 26787 14927 59087 54246 12120 88248 09673
80486 76964 16142 44723 19882 25814 75530 96194 43914 49560
63239 34997 16086 85501 39757 08578 73618 94630 59437 10651
69810 42145 16802 31474 19220 92122 63650 62148 12870 52284
76654 51345 95655 29802 80133 37920 23155 84079 53688 66409
00000 +++++ +++++ +++++

9128/7546/5113 kHz, 07-09, 1015/1025/1035 UTC

69857 73282 50996 89982 99423 56331 00034 92708 43629 44570
49065 35937 44549 45227 93480 67876 74553 51770 33705 31056
23313 72687 87837 69275 51311 92784 66894 47547 08290 59189
73577 89710 40082 09250 10524 63413 32260 82517 08958 67137
64032 83995 13697 98971 70837 90847 85440 11804 39061 19752
06283 84629 81328 97082 99379 64656 65789 99115 98723 59906
97853 54439 29946 86981 77801 25760 88092 03707 82711 13286
23311 81308 46142 46891 70388 95845 34001 59223 83070 43556
40053 56965 59101 09821 49482 32426 66931 46431 43969 82647
10011 36837 46699 28225 89635 54078 30758 49019 52243 41076
39341 78945 32143 67975 91214 27044 25574 46225 69868 16992
57061 04087 19801 62276 23986 53249 98368 19183 30323 01256
56639 84821 45470 89409 47684 32340 49116 60859 85755 00550
48082 88545 04773 80120 76067 17701 89569 63553 12250 02589
78327 51105 79666 42162 59639 29860 09322 44344 12643 68134
80949 73601 63650 92393 76377 61510 57731 38892 06426 84999
68660 97184 97277 41952 95693 87744 47260 78861 20591 40831

89973 50226 23333 68825 24703 14364 79968 49208 00058 95350
91022 60368 61767 65750 13917 37433 00572 29835 97823 40299
61158 11985 44402 51071 98057 79946 42853 43066 89457 57647
52722 88600 44865 07240 32899 97728 67548 85082 40246 05122
57705 01325 46289 47292 67294 37797 45414 97317 42456 03893
53008 49295 14476 35113 16973 69666 25216 63991 91063 57644
97960 18059 43470 81899 89608 24546 99103 85702 85142 26523
38998 77716 20338 40134 05287 50619 43614 07651 85181 94742
52994 26005 72393 98922 69099 55495 29426 55741 30107 38361
99198 13353 19633 81909 39406 41076 63448 85873 78086 00948
55991 18702 13807 42419 02592 72460 08919 62379 88369 51031
49319 97711 09714 71307 69150 42540 29313 82054 63879 07381
40648 30143 40196 62376 52898 28827 76161 31793 32194 07762
90051 31979 60158 49450 41323 69968 95666 41797 12156 44915
50767 01471 42991 19544 16703 47745 20513 53815 00966 31527
41510 17980 61320 49237 01055 27212 47745 96249 78431 65023
88215 39564 19262 87620 79273 14409 37255 26418 67321 74451
84027 30879 31576 50314 60423 18869 04615 96078 67778 26732
91465 28460 22562 76246 73165 88355 82837 00670 05724 79428
59973 97053 50445 63446 14047 97010 96526 17033 56377 73132
61882 79540 07628 23237 83127 46720 84904 99629 30662 89878
16305 75583 09786 05217 06339 66202 33788 23024 00669 45873
79947 31428 23607 29483 64380 94385 86795 09600 96672 68589
92524 66789 00234 48996 80111 95268 09317 97657 88785 11082
78623 35530 35514 34977 66460 69415 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 08-09, 1015/1025/1035 UTC

61855 29485 69245 73292 30724 83668 01381 00126 95947 66549
06913 20043 39937 24039 59711 98958 50051 56873 58149 77247
45715 24946 90549 15733 02121 34565 15181 14435 37696 44548
34501 02502 57533 52101 68312 22773 69955 44430 55542 59417
18426 27001 39321 82057 95963 64405 15044 04854 34281 94758
46112 83954 84798 03570 77041 01770 33760 68024 98612 11495
18604 07609 44765 40327 37794 02031 25918 74814 71302 62349
28404 76760 53914 66276 34697 03148 68558 93566 44139 28489
51843 70081 00000 00000 00000 00000 00000 00000 00000 00000

22068 09836 08806 16917 11899 24480 28509 43065 56858 00735
68928 50151 63634 23288 84722 42605 85023 84318 52780 59827
67799 41598 56465 66166 46384 05592 14882 66006 62008 54007
49349 04882 12044 97212 04267 42566 59201 42982 64569 09074
55281 33985 36942 79503 59161 56474 86996 28676 53706 43598
49598 51487 91295 21784 54510 59921 22652 73621 34574 92666
88654 15685 08584 98263 79828 14744 56063 77724 93202 90782
26122 97563 41214 80271 47579 09181 92349 58139 32547 35517
48213 41863 90660 71083 00000 +++++ +++++

9128/7546/5113 kHz, 09-09, 1015/1025/1035 UTC

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

12+13 Sept: not monitored

9128/7546/5113 kHz, 14-09, 1015/1025/1035 UTC

81381 18173 80735 09837 78127 65166 11613 41732 14891 84138
25892 28477 16676 89924 21840 56898 70042 52410 09319 53420
67731 13401 62849 93164 72914 01624 65405 62658 51514 88073
53868 30855 46026 48872 02078 08135 89279 27830 02414 97981
81582 15918 31860 71027 79679 89799 13470 16141 70964 76654
09179 48263 31383 37440 04915 77662 90468 85814 73913 70300
51940 84876 29207 54008 43305 88935 01204 50142 92904 22484
01308 35420 57835 13566 57505 63619 51193 23725 32866 01822
42064 41727 62892 60906 26710 33235 72646 24960 94384 63628
59612 09301 36212 36158 53206 01811 70570 12621 86892 67243

83422 08735 43830 19222 07015 81416 61994 89589 85402 50135
09707 49816 00224 19541 67515 64139 55165 95546 77358 79136
42560 12052 44948 79404 40546 10509 06322 64045 14236 39495
94481 23635 19318 66501 67077 22372 31550 19115 81056 15090
50557 97777 25228 53814 51387 27320 46671 63566 82263 39451
31931 92084 31955 03390 28935 63166 15225 46833 20574 88307
49776 34438 85874 16326 23137 96016 09710 25669 72934 21621
26986 89081 28970 65712 12231 65317 90563 27601 50541 97601
37581 00337 50803 23509 98591 05257 87144 25956 24590 54346
79543 80004 41730 07643 49534 75137 81489 17824 11949 17724
11720 79204 88635 43339 17014 23312 55078 93639 01822 28232
55872 37475 14760 33905 49980 40925 17556 80577 71714 15954
47048 12579 18375 02357 43700 14616 00488 62705 45045 72780
15580 94959 67525 77448 31424 92450 25128 10262 89694 05906
58293 82375 65971 87224 71502 16168 47027 19665 02997 87594
11343 64153 75068 71370 23774 76398 98347 56173 80324 74476
28540 22056 63949 61613 99028 97250 97331 33815 77810 36559
03569 27057 22175 88504 10710 83705 29572 43451 61072 42868
08123 79859 11290 84361 15180 50876 34010 80972 37401 78446
57197 38708 10768 47132 01968 29731 03972 14819 04901 47646
13625 82513 35750 39844 44722 90407 46520 96581 74798 32394
12807 01492 25209 06236 53381 73196 87975 41561 38915 52737
81647 72878 25819 16474 34590 49804 76107 19176 19159 01674
49235 96967 85193 98748 76852 84830 66255 77182 56398 28333
57071 19947 24484 94300 85589 10902 96001 10090 28114 04205
79882 86163 40939 76224 07468 01657 06927 52177 34401 57619
20457 24649 02004 27618 59204 06200 69049 60392 16158 83241
49902 14248 90342 63371 19920 27876 59662 33348 74100 57284
84310 69898 49869 33534 14189 70552 49982 20955 98761 96672
26448 80549 22795 45890 11436 68246 16407 96112 06081 22720
12873 88307 63152 22431 52628 40245 24493 16609 56888 08375
99188 59837 19347 40046 93394 04944 89371 83241 27765 33877
45141 46022 03408 31262 80164 75425 00000 +++++ +++++

9128/7546/5113 kHz, 15-09, 1015/1025/1035 UTC

46014 28518 78907 85684 45973 65777 13372 03026 78764 65161
12334 32550 22536 77540 05808 77631 35621 76978 51097 34724
24988 96734 81570 80990 03074 07167 64900 09271 81424 77706
81728 65120 74602 90116 60659 65571 12771 95193 00557 04333
86418 30122 76055 73093 71646 38661 07224 53634 09456 61343
79344 60420 37483 87889 23711 38375 97610 89013 75409 45518
67893 69808 09002 75147 92240 11905 18065 97265 06288 96582
99506 23932 82899 26034 28612 28223 45739 76077 00000 00000

01747 21529 44172 05380 22978 51808 40307 30349 72317 36108
25495 53157 62801 31183 16400 96559 80347 02343 93156 04166
32725 12042 61076 42753 29871 65210 96058 23036 56488 16011
97117 56083 22876 65711 94487 87563 04908 06350 86718 77009
09114 89899 05229 14296 23804 27599 29724 90501 42148 49115
10293 76566 68185 76474 18124 98504 41663 91687 77748 36584
42675 04024 46796 73647 62015 45354 49155 26764 48192 49018
80498 94204 67042 91636 36114 88319 34879 02604 77107 60310
11113 70939 83421 59090 61283 04198 67114 91410 26437 19108
44325 75438 59788 77093 00000 +++++ +++++

16-09: not monitored

9128/7546/5113 kHz, 19-09, 1015/1025/1035 UTC

29072 26364 96189 13633 24883 38521 04819 07607 07004 00901
28229 45417 15765 22848 26604 70240 53351 21796 94703 68845
93433 40204 90306 32530 79580 06341 81875 14240 04622 99853
20166 05321 88155 08063 63435 80338 94388 83914 10959 83398
57497 41531 24533 54411 06697 50295 42650 18733 08197 13411

17047 88625 66253 41869 26290 49969 50475 59766 46110 32666
41597 01906 81160 88172 12894 89619 87881 22600 89428 95753
43177 58816 52317 34751 38569 25993 80202 38766 04536 00028
45123 05757 94705 43282 04960 30481 84610 17079 59660 54350
64669 65385 63412 95053 32103 93127 09966 41921 11461 87573
33284 27933 58443 56212 90719 14338 26723 79586 20892 48795
02432 02493 93461 83000 36016 12002 92985 60716 26143 75740
04047 12149 35342 38849 89830 15613 42074 03084 81358 12416
58915 36477 19544 85909 71540 87000 17272 40630 78189 98674
33684 42478 34324 53555 77860 05873 32129 88034 84080 38813
69577 56898 25859 81784 88731 43572 60928 01461 87964 40002
24377 25115 37802 44592 12114 26701 55062 51656 21854 00530
14980 30804 43809 83476 06013 19709 18276 11667 57007 78692
02304 22570 91415 80560 12634 38440 88252 34134 37092 92038
54478 64904 31634 80591 38490 01261 45209 58890 39419 39718
39659 07501 91915 87582 96812 37011 31108 06507 29981 14236
67424 05350 42028 21352 25970 55797 97220 83859 30135 29173
99024 28351 34134 77876 91057 55983 34159 09891 23358 42620
12829 29787 51192 01572 96629 44683 58552 69867 31032 58566
23558 04000 02970 03444 67938 96081 65368 80740 57780 46353
43418 11393 47738 52963 27261 18067 85886 04988 80804 87947
21403 89597 21326 89527 82271 49330 49570 41838 15196 50391
35022 59565 04904 47935 86041 22473 15032 59249 59550 42584
17787 80789 89955 27558 04559 10003 42001 63686 94674 57866
17231 66964 84497 63092 68754 75664 04028 43929 03995 82845
73227 48494 80125 32247 75225 89587 21852 26000 88618 74904
16265 17587 46028 68603 64411 88496 11124 45162 94308 32006
91286 21443 65058 92533 28108 77935 16772 33987 32904 05082
45977 35563 59439 35648 11203 38415 31046 49060 98427 91649
64321 58659 01078 71068 56602 17790 94265 69098 29384 05693
07951 79363 44898 79104 28717 24311 38012 00521 84849 99346
30654 79065 94400 31912 20939 84886 80929 78935 64196 23022
86605 11109 88076 77689 37366 57409 08921 62907 39808 08316
41603 40413 14507 01156 20000 90797 95450 36015 70303 48805
50269 95656 04347 38721 00963 67876 25147 70806 49789 93738
61825 84701 40034 90127 76129 50732 06317 20057 07709 65075
94140 09165 50357 99698 53369 78415 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 20-09, 1015/1025/1035 UTC

53320 26365 73465 78719 80649 27971 74960 96787 40248 53811
51087 50633 68416 53709 67642 27624 68862 55559 85849 17633
84768 19396 01457 52310 13925 06795 60508 27669 40359 32799
87700 89638 80918 92544 88290 87317 70216 79791 09455 23568
32411 39520 72081 57677 13228 21816 08889 39748 70675 29197
69847 81517 47891 74592 80813 93291 76554 92153 66322 41677
84299 68080 72488 07802 04577 83659 50930 50713 12386 87690
89675 05640 34328 40505 01971 71799 06416 97077 00000 00000

27623 55413 36552 34257 13236 37383 14279 53980 25801 62429
13024 27283 50262 74780 26458 60192 80118 33700 84771 47968
88217 61216 62038 55682 48430 44234 55556 58667 56639 33240
48098 97518 24485 04767 89006 27328 44298 79823 55080 65849
48667 15465 77175 70271 13067 11696 43474 97297 74991 00894
15345 26211 68035 11934 16743 49611 94343 26223 83079 61526
83883 67794 80504 97560 13973 94691 31533 06791 87492 83799
07961 60085 93234 26318 77001 24353 96812 76075 11580 58698
35581 17857 00729 08294 15985 47938 21020 07128 36805 84016
54961 12841 86702 46726 67314 32219 89531 80097 00000 +++++

9128/7546/5113 kHz, 21-09, 1015/1025/1035 UTC. Partly unreadable

32497 54226 36979 13997 03838 44330 65733 05077 76558 98320
06678 59988 78126 21583 01958 40498 47628 35792 66168 25720
86273 50192 36526 31689 99014 88449 00863 20093 81967 44501
70640 32109 35324 65853 91176 08265 06430 87752 06263 80283
92737 66678 19361 45829 59306 86585 18579 62107 50533 36338
57590 19246 00824 81776 09711 79399 73859 80845 37298 92518
85181 15230 43676 24707 87755 36932 99763 60126 25208 53223
62599 62361 82433 98416 27946 06203 88249 65894 84170 15780
49791 98821 59572 69967 23327 62990 80361 61026 51193 50238
81470 17400 19528 85854 37381 26/09 16490 38447 05160 19178
95659 55671 _____

_____ 76072 59408 34785 _____ 05445
70097 36579 61082 49088 66593 16672 79783 89092 81287 70647
19965 30272 26479 90359 42587 85718 25833 46075 57574 51213
_____ 58519 86895 65417 79806 67758 41633 82492
73713 37034 77620 65051 72586 26528 24479 14932 93176 51717
93157 _____
21540 94330 01701 _____

_____ 39785 22984 59002
23404 12997 53975 24449 32304 11816 49634 60477 50603 41666
28467 91515 34996 33762 60196 09421 35953 71374 90832 67560
11888 79469 84635 59373 65708 26168 25155 92334 58402 09458
42548 93274 79375 27603 59346 05982 78199 56667 71870 67021
87488 83621 09482 70725 91567 68445 38842 59269 20631 33668
05392 98792 75078 04796 29215 27488 09711 50050 97491 86598
32482 92863 20715 70268 97482 95563 44869 55172 96854 37684
36752 95873 81318 37353 84623 96837 63999 89169 81382 97046
87239 17034 82445 28145 57093 65353 55520 _____
64461 49048 22587 31884 54395 12040 75515 43331 30309 08336
57350 37765 46268 94480 56837 64076 47483 75309 67074 07347
32385 83091 24974 04958 26915 17715 55917 88572 88197 33830
_____ 85921 47405 57464 85815 67209 44078 _____
_____ 36578 78869 97720 86854 21601 39074 61964 63159
73387 23456 81730 04308 _____
47205 70080 17924 27514 67602 55018 83439 89610 02510 10962
66586 04412 81550 79659 19242 22022 83725 73569 65977 51687
62283 68968 13347 27033 64611 74157 34671 48724 39336 33707
35001 28023 47813 81423 00000 +++++

9128/7546/5113 kHz, 22-09, 1015/1025/1035 UTC

91532 20734 21910 04424 92628 35321 25231 46353 94660 36435
05207 67136 85051 30430 33734 44235 51340 08328 67877 00243
67889 23938 61720 05749 63511 75599 53325 57880 32892 57032
87725 39007 48889 12577 61890 85313 24146 39018 02598 19927
95460 01185 13159 30276 29348 53495 49925 94379 72225 84657
14518 85748 93671 27697 72716 11586 96185 02501 35953 63979
89884 83077 66329 88765 55589 06703 91114 01760 44715 67149
37651 07036 89424 59192 24611 82075 00000 00000 00000 00000

96934 08068 51828 03208 08567 30525 05401 76624 99020 77670
05656 51233 92154 10872 44768 89544 83692 99637 99733 98880
96949 69014 13154 54032 89834 03347 55746 28596 05307 67313
75299 58447 82481 30190 61718 85773 70559 04271 82892 57120
12785 33385 71035 73869 92604 92456 64212 18600 59222 84025
32721 05768 74738 42689 45030 30138 50055 83386 52956 11404
61743 54465 00758 58440 67045 81479 87855 01623 59222 12639
39843 66650 30410 01859 67490 88304 34187 90349 18423 87598

65037 72672 51162 60727 96891 58207 86219 53289 47944 63971
13925 18183 63920 99717 63686 83095 00000 +++++ +++++ +++++

9128/7546/5113 kHz, 23-09, 1015/1025/1035 UTC

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

9128/7546/5113 kHz, 26-09, 1015/1025/1035 UTC

47955 41811 15260 51520 43740 13663 03500 59394 25372 77549 23728
75347 33407 30072 03067 30577 76742 55249 34245 26888 30198 31155
02522 40053 95076 51487 87310 96713 27407 85531 55709 10748 63550
24925 90101 90052 97851 90685 17039 49673 92034 98927 29564 92215
21020 08707 20199 41485 84859 00433 66745 40280 41469 58282 38118
48287 39847 55062 12382 01014 58475 62939 24177 15684 78577 38497
83735 55059 46931 55538 34663 85088 07917 84086 42677 87361 09494
39011 32491 12274 12788 46721 15027 83850 59982 03361 72155 92179
80195 22948 91134 34366 38031 98895 65946 89967 54498 27338 07719
41840 54980 65726 31410 78324 23936 25102 10956 37726 71032 19507
20057 81015 38395 20959 00807 03682 03646 93426 27325 22695 58441
04254 56613 99493 67183 36452 83790 84952 35588 50323 43927 97257
43813 67820 27629 68625 23819 78114 02599 21813 85654 87779 58325
62348 22363 64050 16113 97418 48179 44582 71633 17360 49721 12149
62174 00681 54857 57727 75792 28557 48933 80389 44543 19738 93055
97452 88981 21801 24107 63327 06121 19688 41189 20477 18034 47469
08186 30965 23289 14265 27116 61990 18399 80263 61980 23870 81488
43775 17788 83900 35348 25261 04435 04536 32066 59269 40147 79318
26442 30221 74152 65004 30348 12979 33278 33310 65237 04141 22169
90733 54985 54992 31801 39878 26250 42058 35979 80711 08538 36185
80523 75211 51165 56105 94804 23825 99304 17401 80339 27175 96295
12819 56121 31475 04417 84877 65376 81051 61298 76685 73431 26450
14171 71931 11392 61533 99131 59957 45289 88033 57614 86884 75425
30967 07265 78697 95567 53380 09382 47245 66696 43842 00143 15089
84991 75128 77779 20136 48750 57537 62895 85990 53905 35268 74124
68975 72858 99307 86297 17739 96292 15257 63328 06407 42666 89531
82980 27203 65061 22390 95732 53478 10094 21202 84894 09092 08555
72417 20198 05072 02480 95663 22018 29505 38332 28407 78435 01583
80983 14614 82316 25742 28190 95864 80596 06851 30233 28336 52959
12353 44435 74103 62105 92338 79221 40199 42776 93445 07412 63857
21749 27562 53457 67393 85967 81238 84268 31147 41009 76770 58363
57928 27069 20868 12987 27405 84651 01874 93922 63871 87159 21440
57652 65832 82559 71624 00580 70840 11323 93334 94979 54024 92819
77048 36387 83747 97359 91766 32085 82833 46062 53121 85404 68790
05748 66582 55507 71485 71038 06699 97346 51691 50851 18318 11488
68951 01468 50701 58483 72197 73384 60505 17487 11561 64112 44534
93786 94812 94121 88224 04961 36869 48121 40779 00328 75799 48857
52910 93385 53778 55614 38112 11929 86413 04618 43404 95527 68897
33514 40492 95059 92400 57122 73263 53972 69168 86638 22586 75984
89736 09493 74310 08890 60725 72030 01450 99165 96620 32217 96441
97066 64016 74547 84443 00000 +++++ +++++

9128/7546/5113 kHz, 27-09, 1015/1025/1035 UTC

70160 94462 56114 41170 55936 29678 85250 59093 41429 09858
16436 99941 37749 89264 89505 80536 92267 96034 76569 93541
03820 76953 49614 64190 00113 53257 03270 82899 94536 73410
62450 62198 64549 73791 29536 91403 18829 83229 50798 87500
45397 32326 06755 65639 57870 53494 56124 77703 82051 82662
88101 92384 50043 98577 62601 15193 94060 60636 43190 71851
57149 31199 52380 03505 62969 93301 03968 47179 11870 99728
92117 99938 95399 14359 41867 90171 46478 31742 50745 04431
67390 85833 76199 43296 02801 83825 48496 85087 00000 00000

88452 62353 52274 28307 87327 35231 56348 82952 11117 02976
19051 16252 76073 17631 29477 93099 78726 97069 28140 46797
14258 35633 53909 82505 37555 28147 57848 15184 96630 55759

26131 52930 93085 07022 79235 61675 49320 32675 39582 72155
87159 57551 84828 15116 47605 98052 28991 95666 06376 58627
98582 42738 64942 05691 95963 94576 21739 42421 67087 06209
53234 32878 15820 89813 59556 48870 32035 23944 54356 38015
25673 92541 03590 36427 83925 39657 42928 74477 93774 50848
28450 49049 97030 86083 00000 +++++ +++++

9128/7546/5113 kHz, 28-09, 1015/1025/1035 UTC

09240 90874 43959 37878 94597 62086 85328 87189 33063 11905
11609 53257 80377 51620 17213 72960 20038 69207 69437 94874
30338 08255 21839 39879 56184 70810 47233 59920 71640 73847
38765 37101 44130 14029 52478 90291 36235 20461 89830 81444
06038 00118 43586 38807 91920 05638 55524 39218 92791 80164
59399 16664 79645 58925 07601 89308 99418 32242 04928 22150
57062 99646 97945 67522 86774 69804 93338 50607 48334 85922
03699 92162 09470 81336 44206 85636 00192 94951 28614 70871
50051 01251 37997 71568 44231 34526 60681 88715 59431 12040
26814 67162 65473 85808 85991 77518 03568 77670 01393 80577
77171 77357 58855 66449 16392 08234 14335 85578 01857 90398
28170 13858 58992 55843 59610 18998 58653 95344 20035 20363
85038 41784 08293 59446 56824 19577 76619 23182 12466 14911
00553 87272 95584 46462 51284 71724 01403 41296 93902 25779
70146 45628 59941 84424 38352 25130 67686 63678 84032 34486
88674 86824 26618 60865 83821 58803 67626 71008 57611 30916
82988 16620 03796 23072 02976 77744 41031 95721 40662 48822
61900 88696 54853 97102 43739 69131 58432 48113 94730 55644
08053 77865 33681 10992 36112 16489 26926 20349 10952 92970
30810 97437 36217 75705 13159 85668 25311 88527 52205 46483
11892 06923 36382 52102 82331 64097 13439 24850 41095 21606
62314 90247 44959 84210 86191 36062 67023 63671 50190 94509
76438 21145 12121 89775 44795 42887 19745 18067 15116 28945
72978 52366 94376 99520 74464 89079 55500 48700 16978 78766
59765 00236 81068 08147 35560 45062 41410 25551 74418 65243
05262 27026 30283 74025 31512 45271 32929 26699 03718 08587
51480 81944 55583 62041 68963 18352 72327 68023 53838 35810
16355 28379 39431 96440 50689 95318 47225 84773 58601 63283
14924 91845 82851 58950 15249 52918 33015 71577 76389 93485
34301 90856 40055 63283 16318 44490 18062 62964 65212 52644
33387 93139 87631 41496 56643 80472 59933 83048 73888 60509
61093 53397 46733 21934 12732 26647 50659 41941 74722 46661
02507 67404 69785 43821 13051 21536 35540 89006 25644 40720
27423 01962 26754 71214 20934 56241 39514 80396 86620 47935
36046 62248 36275 20343 29598 41775 63740 61793 32399 08027
28790 18801 90174 30426 57521 91733 29259 38084 57671 05198
77245 66791 72327 70309 43105 03372 20447 81048 67718 82086
97633 11891 80754 12781 35601 08885 24835 45448 43772 91379
32918 00918 81437 06589 69849 22333 33922 04164 74003 27126
91195 22984 59962 64164 52353 07334 68170 05761 04423 94667
72494 29234 48917 42140 81635 67709 74585 84097 95321 34846
99789 37707 01228 53170 32943 98927 23552 40720 24464 95990
59191 35671 08659 92595 62454 63637 58992 57993 64242 77344
05171 46156 36643 23339 85477 51219 38872 15451 32806 87439
00000 +++++ +++++ +++++

9128/7546/5113 kHz, 29-09, 1015/1025/1035 UTC

74479 69119 54862 63015 09594 39634 41050 56465 61574 84029
89684 53933 25355 10054 79917 28195 24953 13447 43732 80650
49761 28170 60885 34774 15562 00191 71527 17941 67416 70716
36175 80078 66654 79859 97744 22564 29118 26637 25322 35815
06874 46261 44352 69012 30565 90648 82951 80384 54594 23094
89012 41500 72325 63036 97802 94000 93499 41870 54733 82207
01037 55715 22999 10056 29426 26106 30761 95771 31878 04530
37574 22743 28445 81742 24734 10028 52273 87813 39244 50916

36199 93827 46077 93004 06855 88085 00000 00000 00000 00000

38393 76281 68991 26915 03662 24345 43984 05630 67855 57683
68886 03139 30058 90333 82028 26793 80524 16029 39353 67702
06804 07555 54956 22209 94882 91206 17128 90809 17533 57281
84553 77954 27055 92542 92394 41158 94597 45594 22909 62874
63261 61105 20312 43552 07144 43815 54565 39327 13536 38266
63779 92775 30452 35189 29915 30175 46678 40497 67469 23704
96524 67805 29849 42026 06475 40430 63093 37677 25919 13789
61658 44727 09152 54159 05932 85110 40834 34718 86178 07106
22090 34799 42600 04367 59445 53316 76189 88963 23783 72283
10080 16869 71495 31369 06066 89314 45051 89097 00000 +++++
+++++ +++++

9128/7546/5113 kHz, 30-09, 1015/1025/1035 UTC

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

F06 – FSK 200/1000

9300 kHz, 05-09, 1739 UTC, FSK 200/1000

RYYRYRYRYRYRY repeated many times over 13 minutes, no follow-up transmission

Link 10042

19509/16247/13836 kHz, 19-09/20-09, 1030/1040/1050 UTC

11166 10042 84531 19016 02129
70846 40357 53194 40985 08936 73460 43992 81443 43845 12581
69783 97968 47437 50895 40765 38116 15274 30153 60390 67651
93732 45017 90808 16540 03711 30310 32867 97689 28088 67112
00352 96889 55159 68649 93142 57373 95201 31890 98995 07447
12381 65817 78619 04625 39170 32289 13737 94706 65482 60434
22829 09234 19694 20529 74236 49756 83751 68273 51320 32359
09545 95420 49348 90880 28743 47693 08818 62258 73270 95915
14888 02439 48614 71316 17612 06293 27157 00916 52659 29976
53710 03960 67213 39162 80445 35321 80729 31594 73403 86811
35249 07396 57783 82341 14948 85564 94173 27865 39611 90101
02943 02049 61722 54200 78949 98595 21854 15951 63780 56177
42041 03970 67691 36889 61842 36425 58444 39187 46749 81865
59227 56226 23656 55308 22840 15560 23068 48020 74340 61108
32729 14425 39336 63361 92369 64575 00104 68736 84253 35636
46732 24038 99204 40797 15468 36946 82827 19080 31463 58480
91569 34445 98094 98380 13354 97665 00063 09321 32434 09387
12442 00925 43186 47814 32876 69490 42511 49469 79105 54384
55531 56449 19018 57025 74284 28630 25399 83413 14091 44241
72584 96120 17280 37270 17191 86697 58969 45101 30115 04432
34588 64868 71993 02381 33815 41918 29303 86635 30639 38849
53296 79743 44219 58554 68954 34228 50226 19701 46151 57140
16210 00000

Link 10053

14455/12065/10426 kHz, 04-09, 1530/1540/1550 UTC

11166 10053 85423 04001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 06-09, 1650/1700/1710 UTC

11166 10053 35719 06001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 11-09, 1530/1540/1550 UTC

11166 10053 45213 11001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 13-09, 1650/1700/1710 UTC

11166 10053 76985 13001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 18-09, 1530/1540/1550 UTC

11166 10053 15973 18001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 20-09, 1650/1700/1710 UTC

11166 10053 74563 20001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 25-09, 1530/1540/1550 UTC

11166 10053 03495 25001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 27-09, 1650/1700/1710 UTC

11166 10053 23654 27001 00049 00000 00000 00000 00000

Link 30154

11055 kHz, 13-09, 1250 UTC

11166 30154 25863 13022 00049 00000 00000 00000 00000

11055 kHz, 27-09, 1250 UTC

11166 30154 25389 27025 00049 00000 00000 00000 00000

Link 40023

20949/16327/14825 kHz, 14-09, 0915/0930/0945 kHz

11166 40023 78541 14001 00049 00000 00000 00000 00000

20949/16327/14825 kHz, 28-09, 0915/0930/0945 kHz

11166 40023 46852 28001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 01-09, 0600/0610/0620 UTC

11166 40122 63785 27017 03029
40795 54413 42447 19164 94701 03181 79634 57683 79412 33300
93027 88531 02577 41285 31575 63360 31998 88891 92710 87576
60893 48136 41171 83174 65819 09681 44706 36049 86961 03050
68872 38711 85481 02086 98099 64352 57593 14109 75208 33200
10073 76195 76572 57090 26876 07029 65122 73200 81561 87755
88354 02882 75197 70276 13561 96525 04449 36419 17440 50407
89521 56432 72305 06427 16665 20229 96047 70717 74906 39817
58063 12019 91715 46368 58329 25788 97279 30348 21800 74962
72083 98148 75333 43322 57467 43665 99323 62391 33875 58252
71216 97806 96456 27493 43126 06099 82720 88224 20701 97818
31930 44258 35464 67955 80920 64219 27787 79573 26033 09961
82699 11603 05846 68984 85716 06738 84397 89287 90879 80369
39583 40110 18182 76480 86416 46979 22580 81462 89838 74518
01784 31775 46769 55448 34985 76389 42081 89206 69748 79957
08191 58648 99223 77640 42944 38238 96883 17531 65498 92189
00962 51619 14872 85983 65792 61219 20864 59703 22230 27820
02020 36617 14333 85270 70338 65463 04514 14260 47401 19855
64327 65014 21622 03254 93090 19158 01287 32949 31528 26666
43092 01479 62613 78861 60852 38927 16822 03379 44074 24540
23947 92032 41078 21091 78697 97550 86364 30445 12253 60071
76897 93748 86952 49380 27007 84681 56329 33798 56593 69217
57653 11669 92312 30328 29192 66383 86447 81058 69352 30876
83133 14427 79915 72527 86640 63571 60539 34424 11390 70595
46713 93889 18400 87536 08362 24254 67840 57901 51278 70768
42396 52208 88579 76629 21106 55971 74366 20031 08393 33556
16780 48190 47943 16362 12635 19291 76145 88753 70832 88259
94767 70180 16723 97342 67550 16929 94608 57396 70428 91943
10594 30838 50041 76147 82936 52199 70232 19704 92119 47213
51237 56660 47812 36366 31214 31409 14913 33874 04845 10396
65863 77992 18662 77525 51418 53622 27804 36698 07059 93130
17300 00000

11166 40122 14396 27018 02749
43890 69901 37242 66337 28685 24322 44667 95593 13264 26885
96745 56902 47341 49677 46472 53007 08473 74691 49875 69388
25802 31317 47231 49117 98050 05023 00251 47481 10427 40679
02387 52344 80154 88930 04501 81161 85299 69084 23026 90588
56584 46936 22850 59634 36878 50973 92092 32280 38055 75397
50953 30511 49894 43399 61848 73691 80726 29125 32983 65235
34500 61771 32585 32486 53968 60249 55962 30766 84666 71848
12581 47523 39390 13342 25354 67505 67834 37977 59318 84916
61112 76775 21898 73478 45810 27588 01938 50337 47290 90345

39691 94763 26914 71934 44954 07566 22885 09139 05529 22171
49381 83088 53213 03300 33691 23648 79489 94175 96008 27180
18109 98208 01606 36137 36767 06092 40051 53890 05037 04237
11158 93263 30763 25506 22375 82191 82108 28158 27274 74942
37418 13958 59851 42345 30116 21383 44308 39463 80799 54866
85009 74137 33735 36011 66311 24858 39934 87712 16931 81375
53993 87135 18558 06519 36900 48466 63398 42628 81977 21399
90317 11065 06160 16270 54297 78218 73793 91799 08877 86458
45141 66363 06263 73465 66780 38741 44816 28374 46084 29267
18576 58177 76970 77341 48531 62813 09116 56211 00315 42392
77798 90987 18008 84975 36593 90814 28752 08372 60064 31138
97842 54369 08686 47013 39003 58843 73141 23378 09519 46186
40214 93243 44925 21489 47442 79725 12931 58913 18734 42869
91265 09694 98125 17185 99151 78204 23872 50860 37060 39532
10058 82551 14466 96990 27913 16726 70279 03012 04026 83465
15634 91855 77634 93691 53731 97568 84194 25721 56420 55646
57394 04129 02207 11806 66822 56814 05368 86344 33465 61238
90878 67486 90218 15753 94817 32182 79618 96972 94951 17777
05955 89108 18272 00000

15930/13503/11109 kHz, 07-09/08-09. 0600/0610/0620 kHz

11166 40122 73251 03019 03539
47010 25552 90397 29933 02204 51897 43833 54765 60233 39413
08391 13139 33472 29532 64072 44212 88381 82961 31370 10276
10620 73954 86416 91284 71413 90944 07878 38069 87391 04459
60275 07683 91063 88252 43416 29313 54129 04607 62628 74200
30807 89722 99479 27992 13369 00152 87674 88977 17071 06195
23819 40643 36667 43219 67727 71980 41691 56815 11973 43978
02694 02741 25365 25753 65628 87591 00036 48745 16564 61128
56830 52407 03924 96199 88684 19851 10425 17206 46678 26860
91914 63033 98450 52725 25293 95391 13671 26332 32694 88513
56243 05939 74138 61124 87933 16087 25819 36643 13123 90070
86222 42542 19346 91421 77274 84806 93327 12824 32683 58418
17193 75914 90683 79830 74539 80396 33368 52334 21063 75910
39769 00286 99416 55092 44924 33112 03000 91266 22062 25041
18361 69196 30135 21494 00896 82346 93865 08071 63542 95083
08501 03074 83142 93257 86462 59505 54174 71593 88077 87471
44529 31347 03580 32940 33034 86641 78566 73770 33393 02943
00099 18987 34242 16090 85642 22190 10013 05344 42014 45081
82275 18864 86547 32018 36263 75068 47645 81538 46814 49598
51588 88397 28497 53418 24009 81612 40620 72747 82603 98203
98130 42296 41581 61240 62072 74782 60398 20398 13042 29641
55351 01492 65287 00460 35805 27662 76103 56588 37942 01968
46490 06628 97706 43847 47252 47638 90614 56937 01827 98048
90030 89176 30538 37684 61072 71125 85971 03368 32369 43451
34141 13527 12820 09514 61149 20231 45568 73977 10023 12122
16373 53403 77408 16651 58557 69747 24824 75070 21725 62710
84143 88624 96441 81868 62012 59358 12052 44528 72869 74000
49834 70242 55280 04351 38674 27926 51245 22599 25443 56499
53196 55036 37272 45010 48347 22573 77908 83168 15101 41515
25342 18222 51192 83030 22886 79118 38256 14744 80907 53897
72511 72900 31384 31229 16242 38527 02484 42068 49772 16048
05351 62324 28609 37760 50285 62519 75455 42644 34508 15350
61772 02918 68688 97093 58575 96782 34439 43808 61162 50803
89942 48244 17452 00347 65922 08430 14623 41533 19128 63840
03740 73123 35521 80111 67059 51785 00371 68223 57696 09177
77415 49090 66338 04286 64303 99508 94706 09459 16489 40375
40434 19351 00000

15930/13503/11109 kHz, 15-09. 0600/0610/0620 kHz

11166 40122 84625 10020 03029
07588 83338 01679 37329 90431 30708 33471 17014 22454 08704
62393 03890 05947 60702 39869 02805 78799 19381 20468 17537
89560 50800 26082 90432 89403 82969 32470 53873 83168 29811
32847 66980 06675 46475 58217 36023 22493 76943 59132 41950
51361 79854 78557 23489 81426 43483 70543 89252 22515 25827
44386 57277 97607 80719 38962 45452 88701 55924 56923 61258
79265 74130 13451 64259 60457 32800 79235 99790 93301 83806
22399 27270 44007 78780 79010 91581 34625 91134 06922 10959
76218 50671 02578 79809 76742 51728 85509 09923 40818 20809
80186 58488 03590 54603 49923 16372 65848 64372 62524 55084
22619 87610 92348 55872 02382 52931 88495 69385 59136 09115
63786 79338 84478 54251 84239 68618 31886 25924 63709 11273
70401 38353 93407 38812 09889 77469 60954 54262 65072 89812
38686 92418 50522 26236 45874 49718 23787 26317 14569 32182
18863 54441 13734 94866 37175 23472 11380 71248 88270 66964
79361 15994 97407 45850 70549 09542 22222 00527 23045 97938
45664 84303 71136 66372 37398 39123 67680 69829 00838 99512
47598 69313 48021 35696 87171 47082 69500 71794 38821 99310
91438 40073 46076 29642 37109 57153 68388 92051 34962 33140
70509 56469 40474 49590 56103 95585 63948 67274 50284 16292
21461 49654 60767 84186 51140 13024 72318 14587 61959 39247
54198 28475 07250 12035 85276 96831 00090 62682 26510 21780
12795 36234 95472 27988 27663 13982 22627 62760 31186 53257
94015 28253 68897 30440 10067 94269 03061 98129 15208 65044
40372 92419 77957 98475 21871 51195 26199 01243 92244 29415
67314 48225 90716 22295 47875 99689 30706 32348 32561 14662
60436 41199 07016 83924 21698 72130 34305 31093 48937 54284
19686 55179 75867 24464 63358 13110 41785 27466 05891 65617
14782 00895 96015 34949 74039 55375 35468 47831 18389 86122
80571 62117 93337 76791 05240 00579 53728 81550 55099 40250
20300 00000

11166 40122 38219 10021 02769
04236 96318 47410 30781 84888 55093 96472 40235 93786 12319
69214 51759 64223 97226 00637 59577 38384 51087 23815 37731
04812 83300 94134 80017 91841 07288 12455 34551 34165 42087
76881 81395 54735 90626 17850 26701 29190 30585 96183 11773
24983 78786 68841 60535 32403 15079 52015 13796 29686 76605
36293 23774 49385 58441 33543 07315 38210 81502 60240 81238
27498 13687 86895 28250 56526 55164 08288 66852 15841 23778
14189 23709 02793 01469 65258 31876 06466 27680 03803 03356
64192 50668 54090 49403 56834 72663 91898 47025 35019 49816
87988 75103 93529 32862 55196 68591 36014 59451 53820 64211
97221 34075 34998 36087 14948 56524 26764 44770 68870 84823
92460 48066 28464 43575 16209 47126 77194 13652 95116 66224
05158 64168 42904 89667 87375 12687 34654 04266 89913 24570
47354 20816 71023 87440 75932 73018 69494 21675 29468 17275
97388 12864 37263 81804 79373 77189 19463 38514 05815 95650
01926 96054 91824 78063 80003 37516 59461 42797 60948 51177
85253 23163 39609 27769 80253 36401 87126 22673 94786 76205
57295 06505 65102 14718 40298 52506 44106 24938 18478 34197
83358 59469 03866 31718 58535 46566 62117 70297 55527 89391
52574 39294 59377 79436 39119 65231 13230 60045 51526 37285
39496 00963 01982 08641 40409 69867 86465 22171 20158 11806
25694 33872 95798 72477 25291 32478 89114 26306 59887 78722
16627 95230 10837 12648 19936 69161 12229 02432 03581 64025
84892 33151 72604 78357 63074 58923 87016 34353 43478 66861
75341 14345 11362 26294 74421 28609 23366 21665 87699 75473
51767 92563 79123 79639 19855 29331 44898 19668 83096 97657
30251 80556 35796 90630 83404 92360 47934 31656 63946 40781
61860 76701 47776 60667 21274 00000

15930/13503/11109 kHz, 28-09/29-09. 0600/0610/0620 kHz

11166 40122 96310 24022 03699
65210 71973 24649 87136 44190 22771 58424 56427 00034 85556
73298 51055 52096 28662 43715 82179 25874 03081 17200 25198
62203 07212 31811 75750 41011 24350 97359 24562 99297 31373
32583 12077 48054 02054 75470 48816 17785 53445 08911 12389
87336 08761 68869 57109 75713 75202 27266 97142 01568 60162
66750 49125 40052 74250 89555 45198 31729 94562 27626 52383
23208 86650 46200 59250 44221 08620 58036 15798 50801 45785
90473 37507 89266 49342 72511 09479 60692 77472 34091 51620
90556 62327 34782 30790 33251 51336 64039 30866 66145 96255
80239 16651 52882 88423 80666 52572 80605 63631 19648 62093
00798 25070 17019 38799 28420 57775 24106 45065 79041 33017
39422 59271 48637 26067 91253 57485 65761 95780 29324 40554
70762 99437 92737 42547 01736 41268 46373 81483 91910 78112
02922 38277 08141 30644 72760 74848 85203 73599 08845 27333
35581 03447 38804 35319 39421 06936 01436 93065 44358 78959
29781 33625 29893 63178 47969 81818 15996 13825 74018 36988
20654 02148 45783 71483 96013 15912 12229 55798 97838 25414
57234 46309 67947 14432 48092 96547 34331 99549 25911 77948
58629 86309 80095 21005 85663 35610 74096 12772 74704 38797
14618 11652 17165 24885 81472 65413 70407 48342 60265 43355
62356 30885 45092 18582 46586 55706 03458 61303 12604 37588
20578 29115 80974 17329 65266 65181 38015 53927 44592 40278
89713 12949 39495 99602 39586 74535 38543 00326 20131 09467
12022 50788 32602 96737 93547 87304 74757 81066 61381 49497
61287 93792 36643 40106 66605 85581 40602 80204 44696 44386
78243 95770 05690 97107 40289 96532 53871 18371 40858 33047
16802 94877 32967 42930 20235 18760 69045 22191 88532 08373
98658 82600 75241 79968 20627 81027 53548 18690 31725 31687
21273 22309 39150 37245 00110 16165 28951 99693 33788 62728
07596 96960 14850 14232 58878 36172 94724 81803 83339 19519
56795 19544 12396 83648 57141 46982 14365 98545 62639 58343
34572 36804 41120 92076 36724 49259 83264 59072 37743 07903
60916 53004 53245 02017 51521 91245 95847 98473 83353 59781
93497 02126 81243 60565 20012 77238 17471 84761 55002 15893
97528 60289 15389 64294 35429 47134 25688 42934 98257 78844
19242 21538 24648 73660 87608 34727 46870 63701 20278 49352
71216 15670 01902 19414 96384 41484 59239 22367 00000

Link 60070

10247/9128/8085 kHz, 06-09, 0030/0040/0050 UTC

11166 60070 54879 06075 00049 00000 00000 00000 000000

10247/9128/8085 kHz, 27-09, 0030/0040/0050 UTC

11166 60070 15973 27001 00049 00000 00000 00000 00000

Link 70059

8163/7450/6789 kHz, 05-09, 0400/0410/0420 UTC

11166 70059 85632 05001 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 01-09, 0700/0710/0720 UTC**9188/7673/5872 kHz, 01-09, 1200/1210/1220 UTC**

11166 70202 96358 01095 01599

57159 08047 49583 74213 14480 88118 76563 38618 65944 02328
80380 63256 25400 23401 17120 65838 42793 83077 30514 65197
88148 85751 88899 09828 12989 09323 58208 86588 12631 10435
96932 39285 37804 76304 83998 51785 29019 90312 15492 75384
72124 03560 31160 05094 98500 29558 56649 34542 78311 04262
72388 44173 80265 78613 45082 02444 96317 35801 82729 84681
54749 50404 99124 39319 70061 31626 98758 56173 03129 17797
18075 16462 30037 14327 84008 29250 43057 92313 75748 84005
32183 89970 00655 73958 20666 84088 20284 69946 53003 23688
87438 49437 58797 43083 80196 10415 40930 96510 43849 24816
61501 81544 76683 11204 23945 43455 20556 31367 74780 77718
42179 40537 73439 72858 16083 45898 03577 60806 45158 53094
24341 66966 79745 05404 85014 77180 21192 45285 51473 63768
20822 52966 17897 37843 10252 41775 02177 20081 23991 14899
48444 47137 00266 13253 85174 55890 71004 09150 12286 12709
76919 25459 15690 79929 68622 84943 32707 95157 00000

11166 70202 64853 01096 02099

33673 68472 17559 26169 48692 01665 08264 74796 24275 26479
90182 90309 14936 62731 73594 55134 62948 47550 47928 10338
18263 28707 17159 76356 60862 70154 96235 78887 48998 86953
54485 09654 41744 51788 16921 76712 69298 40247 59406 24003
49489 07059 58600 24827 73894 10483 82619 78934 12037 27019
33374 67912 07084 23643 76485 48563 61480 79752 19754 88959
35972 76000 26087 76857 10436 92214 71845 55170 79967 81584
86533 64165 84662 13312 34775 95104 96520 00893 26513 84984
11926 58244 66369 07082 23118 50845 78099 36989 67118 34085
65086 98823 75523 96003 92805 21300 73623 46621 04197 58356
02269 21028 03891 54013 60934 88437 72210 56161 95401 84385
94910 08966 78521 08254 19558 78566 57469 53318 74526 91767
65949 61507 11518 92403 24769 20047 57557 45069 79243 42194
87399 40898 46835 99236 52285 85085 73507 95949 25974 70824
22183 06704 54011 69372 41791 14390 17147 90900 90299 19381
44856 95846 10206 10691 39894 61436 79889 16527 99821 33064
89294 76431 46442 15235 13362 02186 99088 81736 81646 19675
52692 09739 67577 08898 46575 67509 45765 84305 34905 10428
90836 82663 94741 64985 16186 50616 32627 05470 76125 49151
75642 52998 79840 17143 57874 51617 90605 61161 38234 01131
08681 63749 10557 51356 61355 27333 91927 96207 00000

8183/6839/5264 kHz, 02-09, 0700/0710/0720 UTC

11166 70202 98154 02042 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 05-09, 0700/0710/0720 UTC**9188/7673/5872 kHz, 05-09, 1200/1210/1220 UTC**

11166 70202 45826 02097 02119

43212 80186 20249 80321 23566 99511 29562 14828 58355 97547
04150 29640 40898 48283 25950 69384 44010 39204 24449 16813
33080 30435 41172 59028 15969 97977 14596 55769 03160 28208
21398 89426 76599 55834 34999 01488 90668 62498 87320 45090
53718 78215 44709 08388 63611 52818 33953 88388 95702 89627
79340 19984 66704 58501 36685 89828 22860 30477 35260 89781
25876 01172 63589 89576 35046 95154 60010 33426 09001 68448
93973 90231 75529 51373 48992 12102 42896 98908 43190 80850
51110 40754 48393 47178 86562 48299 93683 92215 08489 60661
64369 66112 60677 36999 32301 83368 66879 27286 78472 79592
33336 78724 93844 59371 06881 19989 69330 89940 62043 90496
10876 20341 15591 06879 40578 30758 91957 83848 69772 41715

87977 51652 55035 37826 10383 37288 73030 85780 84488 01680
75138 51254 57507 50005 07819 44440 44928 57340 09619 48874
93402 76839 20788 13247 58567 22608 66430 10896 21256 44483
99119 96664 90513 36887 11934 15801 66874 48950 57834 44602
64327 88099 36325 67489 14415 34280 33346 20182 00891 07020
25312 53685 98387 52503 83264 98761 13523 42861 38046 35578
51888 04849 92454 98212 59347 20111 91302 68723 11097 64210
85334 40439 46911 76619 49911 55192 76018 78851 44436 44152
00049 82929 23431 26970 27475 57368 35208 48898 78003 97209
00000

8183/6839/5264 kHz, 06-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 06-09, 1200/1210/1220 UTC

11166 70202 91358 05098 01699
79805 04395 71888 88457 73670 70874 34094 68742 22441 56833
01280 25897 85740 17888 14000 50078 26235 01815 58379 83105
84064 39461 14416 28767 72074 39665 24317 63202 71539 86608
73030 06343 33061 63054 98175 40307 12326 47900 71558 85715
95417 61482 19449 71848 93366 57076 73825 61595 10627 82022
71752 17116 17164 56918 45102 17176 78839 46317 67785 62064
25799 19364 52693 27063 63515 23816 15540 50371 56211 21874
47772 66455 37324 61271 65764 20738 26715 80050 28463 26573
59296 68476 40674 50447 54778 36504 84185 36337 83216 60261
43910 05167 06043 05969 21232 90299 97277 54734 51751 95003
74600 76672 69607 82824 94975 27771 85575 36810 94513 67953
71115 48515 77258 23762 65571 22736 82589 44124 48694 08896
85924 22600 45697 95035 12406 84593 57001 25339 68272 62925
29893 27123 19582 10231 14250 58248 72997 21615 69542 10873
38302 65984 15295 32488 77343 49528 42182 50180 69091 59746
25970 09057 45496 63496 11464 60760 77834 57473 58671 63026
18234 94567 68362 76208 26056 34550 29197 98167 00000

11166 70202 64753 05099 02199
56623 69461 86965 36872 02467 56381 08818 76050 16202 55574
63896 79740 39724 16428 73734 03541 65656 50179 10105 59314
93325 28532 81899 18353 88348 00356 12348 66207 00527 99879
73748 45114 19719 44836 71913 44950 74398 47971 97506 28673
02566 90380 86458 03161 49720 30102 56657 71404 73564 44387
13094 26982 60132 29114 38649 76761 81039 03762 12721 02757
46527 95384 24859 99084 33995 00037 75618 44959 96709 45067
81799 99652 82379 00738 28275 30374 16282 14587 33583 08990
28617 66997 21479 38528 30803 71379 15632 95416 70373 67428
99652 98366 19180 80884 09640 39862 74584 48234 51437 41184
78322 29789 59781 16908 82730 59581 41531 59807 19034 05518
70173 82105 47355 38215 23775 74018 93166 31976 83587 65517
99841 46324 35484 02244 52017 61544 41408 71533 49436 66662
73040 39472 35973 23314 24848 84919 13519 53912 48725 41446
95416 27587 77402 83121 79133 42304 28805 15082 42867 26615
08568 54824 95752 09481 52868 15157 36383 31588 78795 24753
99306 96618 34409 47233 94210 85884 65707 84727 67457 84791
42667 76841 40680 94553 11557 30972 06116 27591 65710 44909
83356 10068 51937 07661 67224 39990 54772 89438 21436 74306
25742 56733 97770 43460 49838 73439 85395 16804 66381 73939
20070 67344 86478 19107 07891 09237 74236 71151 43281 06468
83939 48252 25905 76171 70373 44914 06187 99217 00000

8183/6839/5264 kHz, 07-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 07-09, 1200/1210/1220 UTC

11166 70202 36952 05001 02319
29431 05696 68891 74127 71143 58075 65399 07366 79016 46765
60062 59678 50310 25617 34896 79982 98826 84714 20670 98863
36157 50347 65507 15311 24116 40936 83266 82378 21805 96105
67646 21466 75742 21083 82951 19892 26501 13627 67454 91459

30281 65652 10297 04699 18866 56756 87856 08470 46394 81822
70530 09616 96383 79901 35864 82363 47448 56538 48963 14132
21143 16753 96132 17474 60378 50848 82671 62804 11832 40239
30767 11622 10809 75489 38425 54908 91977 03739 85370 86387
74419 47721 96864 65336 94438 63541 01358 48636 84559 29417
42937 96745 22150 82560 34499 83292 96119 46396 62571 62958
65112 15292 79737 77360 05648 89007 45605 03604 73635 74024
02233 75198 27713 93970 94973 30026 87829 76304 74671 65045
27528 07461 42130 02426 23349 73642 20820 96790 09811 29441
68730 38262 13382 61477 65331 30997 63906 39251 34561 51897
06896 70384 89795 19179 65151 02445 11720 25499 23127 38539
95050 15320 32494 58870 25045 11189 62324 65426 69730 18650
42356 92013 98794 64436 72740 46801 65073 47667 98754 79578
09577 08712 73874 90901 75978 45415 59670 25326 45529 31383
35963 15908 28304 15998 19659 72158 71747 10864 15726 28651
72429 92362 48723 96454 01970 75013 48352 84581 83055 35318
87428 83658 76498 90782 95749 28973 65260 63807 98270 85114
46387 85115 51032 19383 66802 16434 73290 56150 63867 97093
99261 29370 96679 44237 97945 75417 79024 61338 34443 01229
00000

8183/6839/5264 kHz, 08-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 08-09, 1200/1210/1220 UTC

11166 70202 36985 07002 01679
86368 80564 97965 37312 21964 40788 17654 65220 91944 58408
21979 56166 34181 11722 22132 39611 38535 37797 17299 55700
01805 75974 55910 80258 46446 30211 91131 20974 95250 11217
35269 08213 19165 44305 42804 28899 00446 53914 76714 76900
78327 60713 37789 18355 69409 52257 61625 95373 79923 13102
12975 16561 52095 25340 32156 07794 11763 75475 13191 21685
09470 28591 18380 29181 72182 55732 58980 41720 07856 25454
96690 37402 30009 95466 45624 89593 94513 65314 79451 21414
65770 76027 73414 34538 54476 67683 35888 85755 94154 30818
09178 09712 48641 12622 44246 11291 67722 63854 79049 76057
33099 37426 75179 72200 61869 74569 92492 42427 59724 39554
06409 09224 41033 88865 97579 41946 58010 85804 68610 59150
06157 96422 67508 64629 98153 27750 22572 40565 23401 94247
18380 46253 35391 23413 67588 95835 34101 36487 58217 13465
35587 65197 81108 89358 45982 90472 67246 85157 82067 14068
89635 62050 05619 99033 09411 30081 63706 39979 70875 42089
52143 49047 75152 80714 44261 02165 00000

11166 70202 14258 07003 01699
54012 76831 18922 37031 29383 42656 04107 99430 04497 37617
94926 28815 03916 77575 10893 98791 50930 30226 21704 88988
74312 67630 03664 35874 06189 74317 73923 72743 25708 84388
69752 94801 28202 46055 65008 10277 24517 37070 41005 63514
00219 79465 53966 40971 89332 27042 66241 96069 42337 24062
33482 53825 93074 58556 64965 81202 54277 58709 99245 34131
96391 05744 62326 17122 89398 61742 00543 16409 12303 35858
05333 92574 59983 37330 72092 43579 02103 88764 60307 74142
73749 98096 47129 32401 02506 12687 91604 99801 01631 03985
51738 45144 84045 56194 21566 78725 76800 57377 80445 67523
40726 16447 71734 97340 24941 54461 53053 92876 10915 43687
85315 31629 25768 92843 52720 12594 29496 01982 30884 65683
05808 35424 45305 12800 11267 86215 87350 16516 62416 30507
79947 77280 65585 95328 10170 65106 19054 88169 70906 96662
42271 61816 78800 93712 11810 12883 60644 83845 08752 37465
25418 29422 07176 92371 64163 95681 58461 35346 44874 93955
51067 42739 94594 60902 50491 28059 85909 03167 00000

8183/6839/5264 kHz, 09-09, 0700/0710/0720 UTC
11166 70202 12457 09054 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 12-09, 0700/0710/0720 UTC
9188/7673/5872 kHz, 12-09, 1200/1210/1220 UTC
11166 70202 94312 09004 02139
80645 44401 63355 64969 62180 93455 98634 06938 77506 85695
78788 07058 97824 00632 93918 53618 28425 58927 93413 98898
32436 59892 67160 34015 48811 90170 82726 43553 09245 27052
95676 25924 83695 84854 75230 90377 09212 77805 12431 66618
81752 97873 03026 87951 15671 30968 22241 33905 00574 59962
33640 43261 10227 27968 99245 33431 43192 60305 83122 87125
99906 68591 65608 92234 25855 85408 10371 45878 75558 02969
51486 58550 77045 14218 92724 19297 01498 79824 36232 07868
67759 69481 82794 64780 36403 50963 70865 55230 73025 25371
46557 87783 85472 32014 81773 73796 64681 71346 82679 38492
83816 19422 55680 19637 35397 32276 23116 14753 11104 63693
05851 62797 53944 44798 14937 71258 37468 98883 19558 24596
51725 89946 83417 34969 00648 28343 86787 21183 40543 82010
76373 26799 14391 66703 10207 13343 61627 13655 89746 89543
08101 38129 96367 62550 65902 57286 74439 22057 97733 30801
28171 93273 25519 22672 24406 19685 87948 07663 18578 61531
76621 70806 45981 20945 05505 73413 45571 29694 93370 84026
08471 60452 63912 97747 68365 47543 93222 92382 75987 28101
59327 94845 24866 39571 73449 56250 20535 34498 97703 59124
10383 98538 78908 05203 16344 82635 53189 57217 37592 85280
01075 33126 15460 45826 57773 76227 77741 34756 08305 49586
04578 04211 00000

8183/6839/5264 kHz, 13-09, 0700/0710/0720 UTC
9188/7673/5872 kHz, 13-09, 1200/1210/1220 UTC
11166 70202 14758 12005 02039
12576 79806 64828 97956 47189 53716 25219 87231 95706 34650
59800 00625 19690 12619 04638 23515 46309 99808 77379 02714
77463 19958 42876 68306 67758 41964 99989 61457 32261 62425
13035 85350 69980 66791 36281 21473 14006 23812 04967 78409
44250 92983 91246 65348 23719 49658 48524 07479 44257 57528
92593 45475 92702 43152 93044 86245 73397 52226 73353 97139
47968 92277 43099 60801 78341 91469 10756 32854 83914 28214
50480 69602 48827 11262 21343 17946 40261 14982 62444 84679
23722 99492 12337 27389 86223 70346 26208 34101 03324 57460
89255 83897 10947 17961 49686 05680 67920 92648 19784 77253
20184 70765 18484 31941 02587 42744 53884 64898 39224 45639
69141 56326 28246 30915 00172 53765 22075 09295 18624 80658
38971 52333 58525 63369 66888 55430 50068 93850 45541 91946
08958 70137 37645 13125 54766 81867 25245 73501 56730 33001
92081 86488 30417 18940 77935 39821 33723 00227 15870 25559
35612 40018 88334 64322 56052 97504 63045 28454 00581 94489
94590 93794 37933 97284 02693 74763 94180 81138 63078 22420
61801 69360 71868 90204 47140 64352 69456 97047 04678 12708
34784 42517 31555 71590 85972 53718 20789 68568 48235 68609
96621 72088 75016 85436 80429 14787 33283 32963 60637 36820
88925 05201 00000

11166 70202 95137 12006 01739
39294 41903 92435 94663 89307 83397 99910 46417 91752 72889
28145 63629 18849 17745 20287 68651 90430 32537 01236 21117
55335 89754 49906 72997 35394 83485 36427 48346 92953 10788
47721 64958 07870 00417 49902 40093 74918 43604 60923 47481
57545 06578 31920 17776 58906 29506 60682 99662 96127 41555
85687 23789 88730 46744 34143 36719 97145 60297 22472 97093
72273 00161 32666 51187 02005 63390 12972 30047 65665 42088
76316 35394 32294 58578 94933 06494 63716 24502 14612 85160

08337 53537 37016 21101 96591 82412 43508 84769 73999 79902
58911 79941 32746 48518 78648 73170 27743 48537 07708 82333
88098 99103 84849 91443 59931 36056 90513 83921 41469 31186
61848 11510 96380 02605 63315 41018 56250 70915 86289 46092
48169 40874 76103 36186 08343 13221 09973 39929 67688 56381
74234 85075 20332 92712 14342 42228 10952 78991 56049 24509
01919 85826 21227 60385 06145 05686 86740 81819 96600 44224
59837 94942 28431 74594 68471 25434 34599 59443 90005 55795
81009 70261 66738 96708 92038 58792 81674 59660 82415 60172
92994 06171 00000

8183/6839/5264 kHz, 14-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 14-09, 1200/1210/1220 UTC

11166 70202 15478 13007 02739
01495 30233 01958 87911 14977 65143 56886 78788 22317 25495
71351 86822 01861 24292 91699 25355 03401 00889 41731 23529
98308 15445 13716 75085 92277 56360 24340 11868 61593 65393
59037 19224 98881 10144 53134 35483 79264 58576 83251 02709
82862 35293 67396 60908 34585 64226 97178 02882 47138 27447
50605 31907 78203 94772 58863 89447 37698 03862 25554 45056
06089 95488 21810 65687 49660 33676 05715 06582 43707 65385
39486 90920 39571 99438 02855 70444 36455 09368 26056 84209
43968 89881 90907 57679 46333 21626 73375 09330 04178 23943
26089 56975 54881 00290 24234 40972 97372 06041 23262 06518
72356 93322 01849 12210 73875 12597 88554 57069 53163 75670
95602 43205 00716 09809 08231 16310 17530 57663 03042 51175
11431 02674 93802 74418 79442 24661 28113 41598 62125 15264
83399 10913 80824 07951 35658 80675 93770 02248 99387 82733
31962 86901 62155 49045 00766 91661 62231 93578 58187 22353
82714 76739 05734 58940 60617 44494 52808 21273 34314 59398
40585 32183 77816 65703 36286 32648 95296 55730 33816 28679
74304 29700 21668 74640 21112 66218 04067 22684 26626 45578
86262 92979 36306 93090 59925 44439 22516 34621 49575 50612
82765 81520 05982 10447 12261 87136 57480 48602 24210 42097
55130 84995 16322 00545 72659 78280 06932 54528 47132 72930
89197 98710 71275 04637 76792 52607 73409 43678 39545 32531
45902 80977 52459 90421 08108 86518 06545 61772 14707 94815
54904 89812 45398 97112 92515 18156 36878 45024 93138 69089
43033 95271 51788 49692 34306 50234 06213 52985 72147 73980
35815 46268 19512 88479 61450 63873 73318 79673 94542 46483
29828 68101 08950 94227 18865 23759 34028 25735 67825 29890
92318 07271 00000

8183/6839/5264 kHz, 15-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 15-09, 1200/1210/1220 UTC

11166 70202 86721 14008 01399
53384 11399 16680 07443 49562 59332 17255 43271 35563 34095
67093 33830 01347 58697 22342 40297 30011 09742 46554 58147
62486 84628 65469 84802 04511 80183 78919 72920 61826 12407
78308 11517 14545 32017 43082 02104 66596 15486 14657 22045
31228 36247 71211 92288 38466 45769 51805 91704 75488 19182
03247 85166 95849 45133 48152 57612 58490 64582 97639 71236
82460 88197 57076 88018 28320 47060 98346 24771 42116 56352
97047 32893 22914 96724 58070 20022 99790 43028 77996 55762
29239 95086 17750 28686 48923 90222 83934 46793 48718 02199
42308 98610 44970 56273 11817 17132 68917 15061 12638 13762
05211 14878 66661 74486 41467 57264 73849 35426 14800 85371
12918 79968 66250 99894 39760 24680 39077 94249 82079 86169
81824 13674 53635 46096 42115 67938 36559 56508 62105 52364
05182 52706 11532 56822 89794 65807 19298 08137 00000

11166 70202 69421 14009 02239
00485 41835 66033 77484 28291 81256 21622 30556 82853 67964
63997 83398 35786 95650 14723 84337 06226 22581 52992 43666
92301 47662 89715 72852 10889 28011 49135 61333 25370 36474
50135 51858 66062 82513 04461 00292 73004 44919 74008 30832
15805 89771 54387 22582 70218 72095 76943 88395 56156 44640
46421 31953 66803 22233 56461 93996 43541 75131 50120 23662
76352 49814 17588 35841 34411 40661 48309 40529 56528 60938
79682 55069 56150 86541 09533 35248 20595 70937 64530 86185
09218 54719 41771 38934 80184 18247 65673 03744 00550 50772
27403 35930 19322 34521 99000 75268 08206 67147 39410 44865
99701 71000 34580 20440 77267 62657 38844 05954 97207 81129
09749 76523 46991 98218 53534 74556 69687 59421 23444 70048
09198 28848 38050 20979 55977 36578 11793 94736 97929 51899
14910 36528 06173 30857 04949 95683 10346 11562 97046 45820
43157 55687 65172 59788 58867 59597 91511 25333 55368 83537
06175 12431 54580 72333 84441 28209 20826 66031 93696 20407
21884 23910 07268 15311 62405 10319 27347 01100 44385 15764
84175 92530 34361 11689 03692 37919 42051 62378 60817 54337
40096 42438 60584 01972 79605 33269 14271 33585 81190 96990
02756 79999 06177 51233 44254 57569 37674 93260 08649 08552
26200 46833 45582 10330 79545 30273 18506 14421 01560 69147
61880 01205 09552 02030 03700 61316 84992 52755 20544 39634
37206 09221 00000

8183/6839/5264 kHz, 16-09, 0700/0710/0720 UTC

11166 70202 13468 16111 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 19-09, 0700/0710/0720 UTC

11166 70202 39874 16010 02159
08927 88686 91166 95928 76280 59513 01832 63042 36564 63312
26758 87545 09503 35493 01957 19285 68330 37226 83252 62270
32489 37661 51141 67686 76429 76717 18474 41065 09228 81872
08156 99550 04677 37392 93062 40210 86556 29446 15343 05307
98774 15533 27306 55486 15049 91661 21082 86814 67834 55723
39230 52598 01172 90494 83501 75924 77150 14707 63929 63863
90677 75614 55437 59274 72224 81511 54157 91132 83258 97623
50642 09349 34036 53814 62160 14976 78441 37550 91254 21785
65569 70555 02765 10109 52734 92591 36497 58922 09585 00811
97712 67073 68029 18105 92649 99613 97641 88904 01246 20169
11249 25849 04253 95274 30375 55779 06943 81628 65244 38480
26572 32189 89014 56613 35808 82053 10944 00288 79305 00068
78162 94684 05604 17088 60752 44194 81550 66847 99812 91491
81434 00352 23199 14991 68007 59750 58628 13118 07590 22619
98833 48833 86446 52586 98460 52850 20623 17249 07381 08982
76417 59308 70128 70048 43692 31864 46131 77796 29206 33814
30434 85256 62143 06280 79595 04977 29051 76007 72445 31576
80347 56685 60400 12054 75603 44098 87010 62280 59784 66074
81436 53133 87633 73155 55537 14681 38383 80920 59259 31888
87996 99915 74015 30246 31104 14112 48736 74799 69843 93838
08289 30969 11776 54128 88942 60649 44077 94405 80578 51982
76181 80469 80315 10213 00000

8183/6839/5264 kHz, 20-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 20-09, 1200/1210/1220 UTC

11166 70202 25846 19011 01599
93329 46609 25511 92355 62199 84272 57653 58422 50464 71012
97248 79907 45648 36807 30976 49167 79336 63583 63462 39313
41965 02909 24505 34064 00832 09805 56852 60430 32268 47349
58001 91414 03909 41776 74427 10929 67996 92744 71692 58093
51654 68479 28878 93128 55083 40452 30762 52011 93585 37308
56193 82085 44393 22718 86093 75826 84206 26838 79524 44927
28398 86077 91260 01907 07813 70850 29304 41436 44105 06004

75773 38538 09545 13608 19616 05892 82239 32803 74566 77386
32696 96374 80806 10151 02676 68766 13743 22209 62264 75192
48358 07986 56110 76566 52565 98815 74754 69903 08002 60671
11999 18908 81700 46278 94240 44422 97084 43817 92731 29423
77708 89391 54664 18261 62192 35458 14064 14821 13789 92389
68390 09301 73009 85386 31799 88287 26766 93895 01013 07820
92439 65741 94711 34133 40339 23146 52409 81760 02973 02841
03732 03690 44571 97438 44047 13257 89304 90270 77375 42462
31628 00856 12533 66406 77196 83219 23421 11157 00000

11166 70202 31265 19012 01659
90442 71652 42787 37289 95954 05151 80892 85468 48076 36625
66308 21445 15697 29730 88388 22326 11091 54505 15658 97416
89154 02305 64242 99100 45570 95366 39440 99445 43583 39437
92622 43468 24075 92911 60658 15000 78634 50905 80041 76079
90290 67712 92919 65832 71626 66074 87194 69741 54925 06707
37901 95283 14070 16514 42041 14842 22857 98936 64057 61838
79435 74862 34145 91035 51534 27542 66581 38927 22186 49947
90258 45170 40623 18004 08618 20984 08042 38150 31159 75465
52908 42635 43723 35748 75510 31025 09734 21946 66434 81323
19576 62822 28654 79166 30316 63117 57915 38521 62936 58474
61119 12323 49274 18899 17373 16492 45861 86693 11406 15768
56841 59800 94039 44799 33160 56494 49391 62917 40208 22355
73507 66050 11111 65471 94106 04193 27853 30796 86126 77886
97416 49605 62756 12141 15133 24989 46649 31229 32420 39315
50993 82803 71114 94608 25135 84767 51560 21766 44442 93330
26665 19572 49093 15703 39090 09421 61475 15847 43784 16715
36887 86740 63028 12163 00000

8183/6839/5264 kHz, 21-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 21-09, 1200/1210/1220 UTC

11166 70202 15472 20013 02279
36389 48417 56509 29031 38487 77748 47655 58658 13445 73264
61970 79445 91078 68102 60433 47729 85274 67712 25350 25299
31317 55221 80922 51016 87756 19551 27598 81293 82524 04732
82369 60347 07971 03835 42222 06182 94515 45986 12909 23225
17600 49871 70251 77570 17627 42184 46143 95748 37575 64462
56447 72973 07983 16732 12980 01798 33974 11403 86761 57118
64028 35866 14722 98461 45173 47213 67052 75500 94293 47520
17395 47719 40240 13141 83040 54188 16424 76438 27343 94365
08589 83395 41523 05876 87449 75545 48057 50196 80872 69647
92833 42191 65309 33564 18266 84433 81136 81761 34552 92247
01627 38879 31266 20410 10211 44799 96466 27450 65729 99660
35516 38490 60365 72253 06787 92548 99927 20224 16464 85261
61204 95542 39600 42946 06033 33651 59640 88954 56815 49754
43585 88247 63133 90658 94988 81127 14169 15636 51974 42071
76616 04712 22456 24595 62764 17839 73759 78097 58445 53392
18823 47607 65531 79407 66161 92377 38678 36020 25797 84277
20978 32525 88330 71887 08244 87513 19342 21269 96584 85501
36316 69328 92967 48511 60269 50715 93459 46020 59274 84189
58837 91737 26069 29407 42232 00627 56927 50045 48534 04622
23998 44218 30203 50473 58276 28114 49204 28161 85417 83787
59742 03310 81562 07061 91479 52043 41376 16447 37938 21725
75477 09054 79753 66008 79449 74400 97494 27643 41623 02069
53705 67471 81819 44156 48883 13225 00000

8183/6839/5264 kHz, 22-09, 0700/0710/0720 UTC

11166 70202 93154 21014 01579
56961 43782 09206 13642 51056 82481 27321 44786 97012 00464
43270 80028 77181 53395 30001 32134 70487 86469 41275 83948
36363 97795 47406 60837 45646 36663 45307 74693 69397 91354
16302 06720 61556 46191 30121 21167 96388 12511 18529 27222
46650 63257 67015 31219 13419 25867 97994 46374 43521 13149

43942 52230 95487 96835 33914 20995 39989 53505 41878 52953
05681 37541 70304 88162 06395 60845 67440 86591 10611 83965
01726 93917 39162 48341 41756 35141 02090 04348 15273 03232
10600 14836 45575 34973 25059 38834 88819 91210 24955 25125
20640 83670 11774 70371 45509 15561 80720 21474 27305 28116
22228 26862 64495 70299 39186 66394 58398 33825 90835 14559
47938 20712 99249 16666 09346 35533 79361 82711 44241 19568
78462 28610 04530 69031 36100 19471 27550 04578 00342 94616
79915 84253 61304 79030 33488 77106 87921 10911 21911 39612
78864 40031 51152 62133 63560 76584 62487 77579 14244 95205
71357 49462 54990 23861 30547 14155 00000

11166 70202 94671 21015 01639
98576 75240 10301 22655 86426 23891 72325 85535 59043 50217
81027 18596 93092 69172 44253 01476 63793 16981 18777 71334
98423 12430 85533 42793 94774 42884 48398 45551 27975 92174
42429 09364 94144 52586 62522 51075 64288 88107 48418 43381
46891 41137 86988 70031 82637 99837 17747 97127 19697 68316
52523 15239 43017 06836 45232 31996 56054 34216 72674 19861
38388 09648 12319 48767 27641 36076 27986 58301 99168 52358
99385 49130 41928 06376 56432 98352 53978 26297 04294 28459
06051 32163 50092 84598 46624 55003 67200 99831 46929 55645
58083 53058 09350 60434 01605 49307 87627 56021 95742 77084
92324 10429 31659 22447 79979 12570 60049 44515 49387 47415
35719 42090 93450 48987 51313 66071 80033 98375 96152 57373
60255 58967 01098 15003 27665 66054 55390 24011 76728 13043
06403 97988 34077 01418 78234 15810 60937 46671 70094 57286
50200 57370 20408 67450 66550 29566 47582 04128 03098 23710
03366 48505 52956 16288 99751 83369 19201 43341 95344 68714
11632 15161 00000

8183/6839/5264 kHz, 23-09, 0700/0710/0720 UTC

11166 70202 45623 23045 00049 00000 00000 00000 00000

8183/6839/5264 kHz, 26-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 26-09, 1200/1210/1220 UTC

11166 70202 18472 23016 02199
20029 43932 14775 69377 88228 56033 09590 09052 84809 81058
00699 71374 14574 42023 73174 06679 29066 71039 34522 62232
88333 61871 96216 83673 36847 93295 09246 86462 29521 02948
52092 89544 68768 16342 94590 28402 38527 60759 86110 89695
46197 18684 41482 34670 08425 00474 23125 03519 41675 40966
42795 17889 43521 49688 31406 23727 75602 69373 50348 41635
84168 22460 42754 16941 19169 50275 48140 86656 37811 74573
28867 05524 03529 36128 81849 98329 16297 90065 33962 30670
35234 62621 44571 15372 79427 99003 63636 96736 17914 57075
18811 79805 84764 26502 29989 96834 80201 78093 74726 28163
43685 72998 52985 19660 09918 86455 24621 63950 83686 25779
18076 37583 94498 47270 33685 11360 16937 01749 90063 75983
67674 63372 86986 50230 15087 21458 83218 63833 62401 39969
12717 32254 90317 14373 87650 65539 70039 80542 61679 78444
82650 55402 51918 94021 05783 13995 43034 57842 53499 32666
21905 05057 80340 53047 16288 47476 85473 46524 35928 72855
77864 83889 39540 73577 88437 39847 76113 46908 40130 87078
73968 34037 11811 59539 76005 90061 56966 89685 44579 02120
63124 49312 84441 97860 62932 48694 57192 11424 32827 73710
85662 99133 40252 65651 71687 22089 25338 73383 75684 37827
27992 32564 31496 68263 96349 51605 94914 36090 37489 09047
49343 86809 96387 92056 17017 38613 74030 16217 00000

8183/6839/5264 kHz, 27-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 27-09, 1200/1210/1220 UTC

11166 70202 93154 26017 01399

99167 65334 41024 25327 08952 26793 85528 06447 70330 26543
18386 90398 34014 92627 27252 27645 88233 20753 38494 64153
08506 91914 49042 19420 41501 60419 10299 24740 90157 48269
43775 20177 92272 06828 93169 33660 09727 31699 42541 90641
70543 41782 55298 27766 30964 58409 13668 08977 49743 45528
63343 67499 91817 96854 92994 22150 03580 80934 03330 41384
26899 80051 45395 53551 44120 83923 32798 26767 71189 24123
57549 66859 41127 60149 64199 06814 45007 53111 61969 86161
22649 87929 79551 43748 20210 30029 92274 72316 56849 27424
76327 08345 67665 94164 69709 55574 15096 36062 44612 65671
85954 04636 20920 24444 16300 90226 75496 17080 11335 90197
26979 70809 52496 13181 00728 98453 08954 05292 03657 91295
95681 09250 63604 34692 45306 92355 12946 44889 85903 04247
21131 50457 41947 50376 05835 66801 00590 17137 00000

11166 70202 94671 26018 02139

21287 87681 92262 57706 20220 47149 68203 03375 43103 58026
23525 77922 71869 13534 17181 15365 47758 50717 63567 08551
14383 59492 46526 22950 05420 14847 49073 89055 25357 74367
09794 28086 96762 08283 41826 90671 72480 54223 75389 13227
36209 13869 09773 21674 39903 33680 85747 37225 51418 36897
14318 63902 10855 98998 22762 62479 19030 83807 03889 40539
06510 82419 79464 13332 56656 22160 13732 15125 81105 37745
37958 65719 71127 21836 71971 21839 73307 97177 53591 68068
62976 77504 11915 27021 13832 09406 45391 93445 87189 12333
90605 21940 89305 58939 92742 22959 70193 62944 13629 46824
62390 66696 38320 60399 83097 45635 66163 46131 48143 71836
97261 78143 71189 03827 50291 55070 46639 94850 72603 94304
39672 36786 28549 17378 31837 81893 76959 81124 95661 09579
73732 34342 96693 30372 60447 04628 46425 44287 24954 45073
54534 95779 44872 95516 53876 92462 49942 38028 96669 79783
64154 51322 45312 88845 13603 93784 06261 99559 11008 69799
80412 86319 52820 59063 28438 38378 89874 13579 74477 72125
57509 52004 96668 77441 76097 06064 77919 65323 57926 98686
15374 08969 81357 58578 12009 95499 18218 00903 98793 30529
25345 28766 60860 62732 36230 35185 66106 20635 13699 10238
19683 78797 49561 83073 92796 95570 22177 53473 99264 89633
47863 18211 00000

8183/6839/5264 kHz, 28-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 28-09, 1200/1210/1220 UTC

11166 70202 18526 27019 02179

02746 59897 15738 76020 61304 24264 32833 24840 57171 37761
47583 17234 23977 54058 30943 96039 91203 72105 10351 36893
04296 30437 10002 93368 69093 23063 99038 81665 94006 04123
83586 84531 28393 73501 03573 79112 20555 60587 20267 18417
43815 48362 05487 21081 64079 05011 68398 49119 47356 15240
80850 78355 30649 28490 87185 91212 04662 66226 09454 46556
81762 55505 83983 06275 47641 80991 90229 23287 20086 72625
57851 20660 63338 71119 62941 16532 31444 38473 49360 74521
39048 05697 36104 84308 83066 74932 96642 02087 63679 18148
21172 05561 78075 39611 97704 43181 85380 94317 72962 82311
66231 79554 78973 85999 25398 41812 36341 73058 10924 66201
70106 41130 48199 40583 99145 57425 12415 11596 85042 46828
87835 74760 51368 32055 87326 65853 09311 05542 30565 45743
50587 37766 04390 95864 93582 51680 53712 66531 93643 17943
76432 45262 53476 50642 20794 37317 94571 08191 08623 75627
75612 29087 32879 02312 68781 57229 02961 88954 29920 36459
36208 87843 23481 79042 19022 31358 88187 37758 86062 21681
54367 36281 90945 78037 48871 37568 66879 33630 48544 54904

00684 99485 68147 35326 68620 37363 93710 70083 07487 08951
 97217 11848 19388 93506 93586 03346 33649 91148 25865 47101
 74290 53977 89592 70980 06502 12219 32257 69227 60564 87568
 88782 23677 56650 10941 39001 19215 00000

8183/6839/5264 kHz, 29-09, 0700/0710/0720 UTC

9188/7673/5872 kHz, 29-09, 1200/1210/1220 UTC

11166 70202 74956 28020 01519
 41303 45891 68381 35827 59278 88926 30502 86912 45941 22457
 19460 39307 51287 92929 24790 02170 03616 29303 03662 98250
 76116 69776 83274 19568 84037 41345 27398 03896 85850 59386
 03020 11732 86854 39437 08023 08448 68665 38380 45841 81296
 93016 67206 58016 45978 53318 42542 50612 22434 72400 69143
 75409 84574 69893 70525 51819 13621 47669 09933 40465 09737
 66788 68818 04361 41666 14392 75042 18612 39027 83962 97953
 14609 56985 17414 52560 69616 67967 82423 79968 77712 60119
 83468 96276 63019 47187 29975 27116 21149 19513 10050 70021
 99813 90826 43203 51826 54531 20535 10525 73253 40370 16177
 85724 57917 25661 45752 15505 47892 38623 14587 22674 13058
 82835 86454 30459 66404 82496 53606 31447 02474 43402 85426
 49585 01142 40585 10384 68696 63913 68558 10971 25924 74926
 15083 36321 93568 03856 44414 62185 97727 92886 00962 52965
 47200 94972 69290 05479 71075 55540 51406 79158 88457 20149
 00000

11166 70202 28915 28021 01899
 47660 44952 77797 42140 30372 58846 36334 17161 02221 27102
 49144 71193 83907 01252 89002 18668 75385 95100 70124 31619
 16596 82156 04073 62950 22521 64645 13567 59245 65986 81289
 40144 42813 06665 46047 06604 67668 89698 34999 20178 79115
 62394 63561 27353 31644 82421 21220 56302 44800 15946 55976
 07841 01744 49152 25679 80864 20164 61575 58448 43188 50247
 34689 89358 83739 79382 94182 65588 07036 48293 09373 37208
 55882 08282 98173 75799 73228 74276 11080 88102 39130 53363
 92581 16859 43739 53498 43466 46056 82264 02078 32430 52755
 82852 29064 30454 72680 03308 94347 66354 71777 57596 64032
 26980 40899 58082 65339 50464 55846 84414 74809 85984 69905
 15015 19490 18465 31106 82102 95804 81653 41372 36190 35778
 08023 99751 30986 75322 88913 96917 64655 04249 43382 53125
 38350 02715 19169 16814 17978 93782 74233 66042 10118 66777
 12298 79944 88043 51128 70828 72386 28779 45399 84895 05023
 47120 31166 75351 21936 37577 26461 34762 73043 60154 58438
 09531 18459 30927 59983 01649 31003 03329 19918 38512 39042
 51107 41524 84246 76852 88870 89036 90969 34683 91178 26830
 13433 25716 96098 80953 35479 12118 04174 21187 00000

8183/6839/5264 kHz, 29-09, 0700/0710/0720 UTC

11166 70202 89532 30057 00049 00000 00000 00000 00000

F06a – FSK 200/1000

6797/5314/4859 kHz, 01-09/02-09, 0400/0415/0430 UTC File 04443
 6797/5314/4859 kHz, 08-09/09-09, 0400/0415/0430 UTC File 04444
 15-23 Sept not monitored
 6797/5314/4859 kHz, 29-09/30-09, 0400/0415/0430 UTC File 44447

16329/12217/11125 kHz, 03-09/04-09, 2100/2115/2130 UTC File 04436
 16329/12217/11125 kHz, 10-09/11-09, 2100/2115/2130 UTC File 04437
 16329/12217/11125 kHz, 17-09/18-09, 2100/2115/2130 UTC File 04438
 16329/12217/11125 kHz, 24-09/25-09, 2100/2115/2130 UTC File 04439

F02

13392 kHz, 05-09, 0831 UTC. QSX 12155 kHz
12155 kHz, 05-09, 0831 UTC. QSX 13392 kHz
13392 kHz, 12-09, 0831 UTC. QSX 12155 kHz
12155 kHz, 12-09, 0831 UTC. QSX 13392 kHz
13392 kHz, 26-09, 0830 UTC. QSX 12155 kHz
12155 kHz, 26-09, 0830 UTC. QSX 13392 kHz
16082 kHz, 26-09, 0900 UTC

HM01 - Dirección General de Inteligencia

11435 kHz, 01-09, 1645 UTC.

Groups: 57617 00448 28703 14543 05248 85741

Files: 81765761.TXT 36730044.F1G 54862870.TXT 20271454.TXT 13780524.TXT 43008574.TXT

Callsign: QWERTY01

02-30 Sept: repeat of 1 Sept.

No transmissions on 28, 29 and 30 September due to hurricane damage.

Q26 - Chinese military

Logged by EW and VSh.

7985.5 kHz, 18-09

8076.5 kHz, 19-09

7978.5 kHz, 19-09

XYXYXYXYXY HR MSG GA

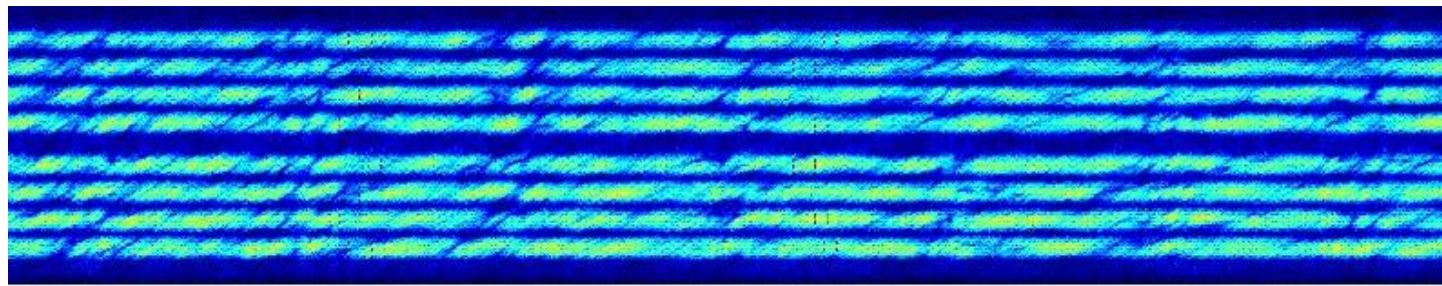
0046 100 24 0918 1900

U8L---K8RR

5986 5132 3854 9678 1253 5429 8543 7012 0475 8407
8125 7218 9631 6731 0492 7281 0975 6420 5238 1405
5920 3560 2659 9263 4259 9618 9306 0738 9018 2970
2498 2543 4952 1497 3491 9763 4587 6105 7894 8173
7340 8271 5129 3916 6920 8713 8473 7836 4012 0597
6724 0682 0193 0456 5429 0387 7140 6032 8143 7514
1348 2345 6198 4835 4206 5462 3261 8902 3961 8305
2634 3612 8731 0963 6059 0762 0841 5326 6572 0243
9127 7598 4109 7906 4621 2149 9087 1982 0527 7805
8306 8416 2915 1745 0963 9758 4325 5623 7460 5967-1
QSL ?

9153 kHz, 10-09, 0822 UTC, i.p.. Repeated afterwards in morse (M95)

6T5 6T6 TUU N5A 6TA TAU 6T5 7TT TT3 6T6
6AT TA4 6T5 D5D D57 N3N 6A4 UAU 6A5 U57
6A6 N75 6A7 T33 6U5 A6T 6U6 T3T NUD TT6
DAA 6T5 65N 633 TT7 7N3 635 405 63N 636
6A4 U3T 6A5 U4U 6A6 N55 6A7 T4U
ZNN SK



Q26: 4+4 QPSK 75/3000 LSB

9153 kHz, 11-09, 0907 UTC. Contains decoder errors. Incorrect headers

NGDT4 NKAA2 05 T2AA T7U7 99
76U UT0 TAA 0U4 0A4 TT4 770 050 4A7 445
4D6 0DU TT5 770 050 20D 054 4A7 445 4D6
0DU TT6 770 050 20D 054 4T0 445 4D6 0DU
TTD 770 050 20D 054 070 4T0 445 20D 446
4D6 75D 4D0 0DU TT2 770 050 20D 054 070
4T0 445 20D 446 4D6 75D 4D0 0DU TAT 770
050 20D 054 07U 4T0 446 467 20D 447 46D
4D6 75D 4D0 0DU 20D 0D4 TAA 770 054 070
4T0 446 467 20D 447 46D 4D6 75D 4D0 0DU
20D 0D4 TAU 770 057 07U 4T0 446 20D 447-1
4D6 75D 4D0 0DU 20D 0D4 TA0 770 054 065
4UT 44D 462 20D 455 4D4 0D5 20D 0D7

ESX OXN

NGDTD NK50 5A T2AA A5TT 99
265 6T5 6T7 TUU 25A 6TA TAU 265 6T5 7TT
TT5 6T7 6AT TA4 265 6T5 D5D D57 202 6A4
UU2 6A5 U44 6A6 24T 6A7 T5T 6U5 A4T 6U6
T4T 2UD TT6 DAA 265 6T5 652 600 TT4 720
605 4TA 4A2 602 606 6A4 U40 6A5 U0D 6A6
20T 6A7 T55

OSG ESX X0

NGDT4 NKAA2 05 T2AA T7U7 99
76U UT0 TAA 0U4 0A4 TT4 770 050 4A7 445
4D6 0DU TT5 770 050 20D 054 4A7 445 4D6
0DU TT6 770 050 20D 054 4T0 445 4D6 0DU
TTD 770 050 20D 054 070 4T0 445 20D 446
4D6 75D 4D0 0DU TT2 770 050 20D 054 070
4T0 445 20D 446 4D6 75D 4D0 0DU TAT 770
050 20D 054 07U 4T0 446 467 20D 447 46D
4D6 75D 4D0 0DU 20D 0D4 TAA 770 054 070
4T0 446 467 20D 447 46D 4D6 75D 4D0 0DU
20D 0D4 TAU 770 057 07U 4T0 446 20D 447-1
4D6 75D 4D0 0DU 20D 0D4 TA0 770 054 065
4UT 44D 462 20D 455 4D4 0D5 20D 0D7

ESX OXN

NGDT4 NKAA2 05 T2AA T7U7 99
76U UT0 TAA 0U4 0A4 TT4 770 050 4A7 445
4D6 0DU TT5 770 050 20D 054 4A7 445 4D6
0DU TT6 770 050 20D 054 4T0 445 4D6 0DU
227 660 050 20D 054 070 4T0 445 20D 446
4D6 75D 4D0 0DU TT2 770 050 20D 054 070
4T0 445 20D 446 4D6 75D 4D0 0DU TAT 770
050 20D 054 07U 4T0 446 467 20D 447 46D
4D6 75D 4D0 0DU 20D 0D4 TAA 770 054 070
4T0 446 467 20D 447 46D 4D6 75D 4D0 0DU
20D 0D4 TAU 770 057 07U 4T0 446 20D 447-1
4D6 75D 4D0 0DU 20D 0D4 TA0 770 054 065
4UT 44D 462 20D 455 4D4 0D5 20D 0D7

ZNN SK

XPA1

10682/11571/12216 kHz, 0710/0730/0750 kHz

10682/11571/12216 kHz, 01-09, 0710/0730/0750 kHz

761 761 761 000
01350 00001 00000 32656

12137/11137/10237 kHz, 02-09/07-09/09-09, 1210/1230/1250 UTC

112 112 112 1 112 112 112 1 112 112 112 1

07428 00174 56960 86576 41612 90954 36408 11546 04440 65591
 41064 41769 50551 93831 67360 82462 98183 55217 98035 14375
 98233 93367 98114 89205 36490 55172 56455 81887 70099 62870
 63188 27873 29444 71681 75582 33938 26396 58518 17326 25069
 57818 93746 55056 37345 41293 92401 86332 14938 19131 98723
 46858 08489 09805 81173 40133 05708 55706 47675 90310 63377
 46350 33326 82624 79297 31638 50234 32880 46922 05722 89581
 09901 72556 14699 43484 08205 96075 93419 73048 47925 50068
 85736 77833 61192 93658 75409 71365 84829 59706 25111 82060
 36771 39377 75531 37033 87621 39866 13858 16638 36650 17546
 99194 87944 33567 86196 08648 06991 71546 77214 97239 90804
 69259 02224 74945 52765 73568 02088 03120 49907 27148 68570
 06178 66764 81650 00501 04656 60361 18930 31660 02272 20479
 62156 80484 79239 64823 43054 20585 37823 56295 34606 60755
 53752 58157 20551 32506 71062 53647 56971 45673 40929 84939
 94533 80362 41027 71004 29894 70481 32389 82246 32194 47859
 48320 61639 49482 25670 86762 51478 52926 83032 07546 17627
 05785 54693 32667 26342 36234 85102 55367

12137/11137/10237 kHz, 14-09/21-09/23-09, 1210/1230/1250 UTC

112 112 112 1 112 112 112 1 112 112 112 1

00914 00098 98309 96382 03302 25221 87279 01223 79747 25488
 05462 92501 56707 38207 43138 54577 43075 34214 45086 80157
 64641 41134 85442 33662 40211 92043 53028 01336 55167 85395
 51886 35852 58890 71410 96314 46835 37553 79547 72757 16202
 37357 93764 27146 99329 24130 86442 19470 86152 88748 08053
 04079 46104 81894 57221 37825 86495 82644 23959 28435 78180
 40856 01973 19600 86798 17611 72389 11639 27741 15000 60773
 04134 12907 30207 56455 58459 41910 66571 56941 14435 72590
 82975 21391 34842 83037 74240 93687 85072 21205 70978 27993
 71213 20365 92412 88411 03014 34975 74990 68429 85731 43151
 46110

12137/11137/10237 kHz, 28-09/30-09, 1210/1230/1250 UTC

112 112 112 1 112 112 112 1 112 112 112 1

04962 00088 52679 61822 12903 76679 70920 75638 45842 67061
 18874 53801 94988 85834 85561 82238 57238 04859 21774 57128
 11529 02198 18233 31799 73344 58671 73602 08335 83722 60632
 26583 77794 27893 12589 25090 88374 95621 10355 36593 94202
 78320 76370 68161 10643 20600 46025 75901 70448 70161 59715
 38407 40609 35287 21323 12384 48671 57742 25487 51194 62351
 70260 33710 04740 48552 68977 07476 36941 89248 44746 59455
 47930 05174 26706 46140 26265 67367 48992 65270 64273 36498
 48641 24497 11195 50867 93453 41643 68901 28766 73557 20237
 41525

XPA2

10221/11121/12221 kHz, 0500/0520/0540 UTC

10221/11121/12221 kHz, 01-09, 0500/0520/0540 UTC

09730 00001 00000 34664

10221/11121/12221 kHz, 06-09/08-09, 0500/0520/0540 UTC

00802 00117 20556 25002 53522 45440 70874 24310 45533 32087
08820 63535 36073 24237 03301 87280 00426 28454 33263 33110
40006 61886 83418 07708 30266 06188 60088 44461 07636 88865
61115 83146 85863 68684 88880 38831 38533 88786 20063 56662
68132 50088 77451 33222 30878 81230 70866 01336 82860 76633
00586 80268 46653 35608 52231 37767 37476 08000 60111 33888
44330 02280 87540 73060 46304 88888 62231 04460 63766 16332
46663 32313 68813 43008 14616 66668 86648 15826 36678 38368
88556 41426 66266 88246 22218 88856 72822 08771 23880 58353
66876 71135 22037 82366 87203 10780 35466 60084 13233 70860
60633 76664 00888 40006 20666 26281 20076 88033 06176 42844
03404 02212 84460 47658 48435 66383 66475 75530 26206 24310

10221/11121/12221 kHz, 15-09, 0500/0520/0540 UTC

04386 00001 00000 35664

10221/11121/12221 kHz, 27-09, 0500/0520/0540 UTC

09947 00001 00000 41265

10221/11121/12221 kHz, 29-09, 0500/0520/0540 UTC

09851 00001 00000 35666

15859/4659/13459 kHz, 0910/0930/0950 UTC

15859/4659/13459 kHz, 01-09/03-09, 0910/0930/0950 UTC

04829 00082 11812 05220 73052 45204 92794 22671 70571 17480
29066 22024 04324 75063 88610 25743 42958 73791 38875 03771
10330 24048 44271 12264 51265 35336 12681 16642 11547 45432
56131 43305 47480 21277 63202 18536 09645 97715 75456 38552
17687 29402 73011 87465 37971 44422 93812 57943 50143 14081
22106 28002 17700 15195 65810 45692 33011 11639 21811 73915
01394 68055 61912 87376 32329 69338 74686 25980 46870 67740
01608 80397 54138 87392 67070 78094 91530 35722 48438 73737
82059 17117 73007 58028 10655

15859/4659/13459 kHz, 08-09/10-09/15-09/17-09, 0910/0930/0950 UTC

09416 00167 94385 37430 65077 63809 41158 57280 39918 80329
73472 44129 27915 90051 20768 06502 40792 13448 97259 98015
76683 87635 53489 73787 19442 98377 55101 19221 69373 84333
84865 22926 94657 00522 21497 76841 31613 49911 97817 79678
61929 15839 37883 52963 87856 71304 51102 99712 32533 68660
72940 95328 52639 01879 37442 22458 96856 67766 40280 44232
22202 82970 30917 94740 98269 71961 41657 42662 09135 72094
87401 41738 80397 73024 03847 41565 55716 91718 77869 02654
30943 63408 32811 50883 51235 51190 07328 88192 66421 44101
51350 92074 69478 02939 66481 19665 76387 42704 38020 52877
17294 43095 08027 47704 02582 48052 75758 04996 15988 06978
61469 87042 06795 64253 35845 10686 48482 48285 49497 96109
57028 16725 03884 63377 92395 29651 84483 41019 73249 91763
46805 16307 22495 55658 56722 47439 23529 71668 18987 50255
65800 57328 27773 91671 88565 44812 23129 62558 89862 34455
35409 11478 35558 06874 51396 38885 17656 12912 44905 64175
67718 90985 07236 95839 98831 80184 31454 78395 57659 46115

15859/4659/13459 kHz, 24-09/29-09, 0910/0930/0950 UTC

02335 00068 26361 48517 85205 77441 27352 49572 36893 99289
04133 47591 10300 99499 21093 93160 97547 62816 16459 91393
03525 57297 72568 26460 13733 79076 38816 37445 34717 07463
19639 33117 54881 50404 58030 26240 46674 85124 63329 11152
17494 16464 31046 74401 26192 93567 80715 55077 16320 35077
24292 02898 50480 52211 86081 88208 83751 79139 00090 08895
06998 26395 84613 79868 95686 02005 97429 49693 62931 88681
10357

16117/14917/13517 kHz, 1100/1120/1140 UTC

16117/14917/13517 kHz, 01-09/07-09/08-09, 1100/1120/1140 UTC

02329 00138 00918 17607 70530 22007 07321 68705 84653 45173
57951 65161 96544 11771 12565 42243 68413 66826 92054 31995
14317 42285 93531 53167 26835 58813 38867 65880 15458 07198
80819 56448 49719 02325 11304 82865 09721 74158 88085 05706
01696 73080 44393 48657 65916 42188 99445 09657 32673 12030
87873 01315 63035 23498 85076 56663 47105 66843 39995 98770
16405 67799 90005 90209 60142 95938 75415 66263 72278 90038
39065 46508 24872 61619 91262 20713 97491 63475 78358 95283
48298 67805 57123 14909 54439 92896 78594 01550 03740 26533
64497 20599 03151 06780 83169 26429 61215 06527 56814 00238
17933 88782 54044 79410 32146 66444 96906 72162 22082 86151
90681 84761 36126 38306 69205 07611 14323 89626 48686 38804
67070 30280 51778 88876 73689 97921 55768 47034 23992 63458
92012 06959 83349 70345 04177 39974 29070 54162 12431 16910
75041

16117/14917/13517 kHz, 14-09, 1100/1120/1140 UTC

01214 00090 00035 51599 67704 82679 49458 34266 98315 41686
42012 81126 84033 62939 62515 15287 27184 39783 63430 80891
36953 97889 67984 10977 48859 36144 65094 70022 65137 04868
99888 92219 01965 80481 05469 14008 08259 51251 24493 13762
99932 03399 66512 55686 65521 18153 66417 82683 24554 00610
33899 45374 14345 07980 53673 17695 18239 41617 75682 10898
86310 01075 28825 34341 22407 93139 58874 25495 22492 11035
01494 24719 82348 11700 61352 83916 33457 32605 47125 81749
25498 85645 89476 19290 94872 24788 35163 39806 52521 96856
90728 44372 46577

16117/14917/13517 kHz, 28-09/29-09, 1100/1120/1140 UTC

01447 00095 97043 69133 55123 15133 83662 74335 95777 96897
65870 58597 48194 51582 96729 69135 06067 96411 42115 22011
77292 12881 85121 96250 58709 91682 54132 34829 70971 02541
28771 60555 91348 40400 17650 46471 01692 90685 89871 48366
50182 89984 21066 14747 20192 88740 22833 86111 55704 87979
74884 68227 31952 19182 72656 92916 16345 89303 73158 88120
06196 60839 99475 79081 45944 36353 48772 11845 43997 00576
36914 84870 96210 83781 54280 32297 04600 57025 18540 17837
26838 92765 43776 56209 70190 53869 82360 21001 49117 07640
26418 81262 76811 22693 06143 67432 33080 61346

13887/13387/11587 kHz, 1600/1620/1640 UTC

13887/13387/11587 kHz, 01-09, 1600/1620/1640 UTC

00908 00185 34663 97891 93515 97772 58504 51367 08377 14171
44983 48457 45814 54595 27729 04070 85240 47156 78811 15166
18066 38824 43002 85606 01573 73666 13464 12111 71422 87255
33941 09261 34273 74529 38539 33833 13791 01575 28957 26773
22244 93562 02730 55356 94136 11821 01026 46472 11978 26786
76501 93137 47290 84662 58335 70565 41960 80925 83360 81019
70650 86466 35831 74672 61953 01392 60123 12985 47214 34821

58998 82288 52905 71239 45572 82616 85306 52934 45481 30450
65175 27027 28426 23549 84507 74515 24671 91897 28435 74802
36929 44053 01055 77638 49428 98305 31211 37690 26110 79012
25618 63681 03778 86880 71584 47956 03584 24031 06134 96230
09807 54511 68429 73510 75517 25133 66037 07059 21600 75537
94436 11789 18317 07283 55337 29333 64568 95874 78081 32614
84612 75627 55944 93681 59694 97034 01602 34922 79685 01666
37164 34816 71424 32242 19084 25611 85222 93255 90729 25360
03554 63791 70967 35088 06032 45521 04620 38963 59795 08584
61170 26749 23930 30740 75881 10577 28725 22776 48808 25915
49503 05243 28442 89762 14738 77918 39048 41461 67393 76353
50412 59614 61349 48314 90846 61061 39028 14353

13887/13387/11587 kHz, 06-09, 1600/1620/1640 UTC

01268 00001 00000 36257

13887/13387/11587 kHz, 08-09, 1600/1620/1640 UTC

07610 00001 00000 34260

13887/13387/11587 kHz, 13-09/15-09, 1600/1620/1640 UTC

06378 00255 83947 15493 74715 42831 17320 27474 62307 52344
15144 10621 77745 94483 62557 67266 33893 19869 41004 17368
54792 64276 02633 96984 01679 98272 30536 20288 02799 06359
76909 71045 26268 54655 96722 92681 17696 28021 89403 05121
78063 79868 20970 85438 91604 19276 66213 01313 88032 47880
51830 48545 39395 45252 14223 99318 89305 13444 36547 88602
48250 65646 39376 71736 51004 10469 82691 76841 97357 26845
47328 04720 14248 46569 53504 15158 65851 30116 50742 31935
94170 49712 00241 76209 99012 03383 82539 15275 35060 73942
60616 58804 99712 52742 86216 33883 33610 41398 41763 21118
15736 45632 77581 06268 85865 39045 60870 43818 36570 93828
38067 42936 21524 02389 09667 44502 31499 79901 06170 90397
33994 29559 08227 63492 76325 29496 81101 39129 84636 74913
14242 69046 97277 66945 05251 77521 65751 65204 15529 11262
70205 76222 05249 31915 01552 72834 20447 28228 55729 67639
48883 63371 55046 76981 45743 28461 96257 61612 72990 63905
31253 75207 94784 71541 70539 50621 90625 72042 88985 74066
53892 45513 51641 55411 53108 33158 08555 42408 97331 13428
64845 60602 56616 88990 27567 66004 62326 52308 26844 54542
00577 48101 02706 05563 85376 91919 36710 86846 83443 63005
44973 10542 55630 18177 60501 20576 60959 56348 22591 04069
05959 97204 35501 12697 64707 16774 48094 73530 16658 16814
87948 60828 45479 88281 50786 55977 67180 05578 72306 46520
92152 12618 99157 77447 32821 90644 59616 54706 53018 87445
88385 48239 95674 92476 50842 24941 68545 26400 87559 03041
94737 54673 92796 62420 37210 73657 00962 46775

13887/13387/11587 kHz, 20-09, 1600/1620/1640 UTC

08633 00001 00000 35663

13887/13387/11587 kHz, 22-09, 1600/1620/1640 UTC

08074 00001 00000 33267

13887/13387/11587 kHz, 27-09/29-09, 1600/1620/1640 UTC

02251 00296 34826 99589 28010 53322 56514 72568 43885 82439
29277 12094 18364 02303 38717 47934 76148 84433 32147 14902
29712 09993 90850 71673 28355 83536 56934 30713 83707 62121
42309 39747 72481 79349 74655 49671 35685 90456 53421 10582
70237 59166 32336 53031 58313 51520 91429 96937 48745 15070
60487 50842 31273 66511 10019 84790 58703 89289 92464 88965
38691 85320 51510 02616 13661 61193 45712 38102 45296 96577
30371 67956 67183 31855 49519 09405 91152 94832 33748 81877
08903 49616 61830 88217 81860 60494 94364 29324 63101 23177

59340 63310 89571 83108 28974 96401 94601 76398 72116 09770
55945 28568 71576 80009 02657 77760 29134 41337 57151 06115
01755 31266 77117 52596 26671 41533 94587 89724 96792 59146
10535 99809 87344 11269 47740 57959 41578 40366 44143 63998
26002 44823 25286 03252 19566 70847 97496 36099 46899 80969
20141 05119 26517 27543 51435 65966 06276 78087 16488 01209
31324 52655 05290 60565 56801 97608 13262 59241 95133 26485
79803 65376 27788 90064 75428 33457 36517 33993 08200 07208
94300 56952 06671 32672 11226 11021 29048 33197 37750 73365
38141 37487 06007 28606 02170 00486 14635 96997 73475 43416
85750 90367 78544 64621 28817 55368 87667 87207 90865 29729
99010 22195 35687 03977 61570 31760 06606 22119 97702 52672
14996 97832 02025 03130 23039 11821 64104 65324 69627 04438
46581 02304 50000 60420 90132 57990 96040 32284 28806 23997
95905 98381 34737 30848 58091 47435 61777 15470 26039 49577
39013 88333 63517 37918 53364 55007 11143 22748 04260 32674
66387 01565 87478 38759 45925 06583 40119 69637 28470 92867
10276 18151 10545 41477 78971 99398 84515 89681 98542 75585
64211 20755 73122 53169 06215 35080 76786 86639 35653 61416
03262 75717 81845 20773 19774 64506 81815 72513 15823 16540
08015 41253 46336 53491 77168 53904 26652 37539 54615

14374/14974/16274 kHz, 0800/0820/0840 UTC

14374/14974/16274 kHz, 02-09, 0800/0820/0840 UTC

01392 00001 00000 33662

14374/14974/16274 kHz, 04-09, 0800/0820/0840 UTC

07043 00001 00000 22664

14374/14974/16274 kHz, 09-09/11-09, 0800/0820/0840 UTC

03631 00096 73855 14896 78256 23441 43735 42325 40978 73461
71566 07374 19371 99552 78065 58398 07530 17116 98645 88657
42802 50609 71678 19261 74882 41569 63116 53380 50640 21958
85048 51593 02532 75639 57821 65443 35792 42094 28433 99396
18163 25659 96894 16992 30939 43971 44183 94524 16636 18201
44907 37015 78835 94086 57614 60583 76430 85168 33835 49476
69321 37549 18627 36162 19711 88512 44975 88832 31916 34808
66005 23784 93274 24976 04419 64846 13847 66223 11851 28926
72258 45993 45858 94881 81966 46666 70381 69124 58140 12966
84407 60611 58499 52955 36831 62018 70090 74958 33615

14374/14974/16274 kHz, 25-09, 0800/0820/0840 UTC

00638 00120 56647 63360 16007 80913 43253 46555 66479 35358
69179 74354 64313 01523 33021 88165 27167 67710 72794 00413
39785 23822 13381 32621 18525 10287 95761 29345 50340 42515
47285 75731 97511 92496 93887 45319 14655 51207 13029 99509
94373 38578 33727 97481 05740 67022 65986 77945 89619 63780
44109 69192 44551 58172 41429 14778 16574 95438 15699 78108
18118 64689 50046 16049 04768 28368 09777 88048 78564 66698
66455 31712 34861 28136 01699 26424 34419 74080 98666 02896
54112 19398 25271 31717 50297 46434 57513 81533 47579 45787
21222 96402 43237 80807 81057 84003 63215 28986 03037 59986
70086 20760 64645 34870 81606 53030 01732 00031 35942 86196
60968 12474 77455 26860 75641 51291 76696 34431 96339 01252

14374/14974/16274 kHz, 30-09, 0800/0820/0840 UTC

08503 00001 00000 35260

13431/12131/11431 kHz, 1100/1120/1140 UTC

13431/12131/11431 kHz, 02-09, 1100/1120/1140 UTC

00774 00198 22542 86730 04439 88872 88748 91231 03347 75613
53754 62282 36331 78847 26726 83822 72949 09990 51087 84227
83418 60557 38731 69395 99819 48794 85971 82465 42336 87663
93554 21971 79313 06861 79241 13131 65051 60547 55443 60760
68426 50741 36129 61607 80366 19912 49138 97382 62706 94361
42856 81941 69076 33629 03841 13053 46195 57362 67914 62780
28282 89298 45016 82479 13148 58601 52597 25747 11510 06813
43745 30831 85166 08873 08629 19518 47701 04967 89609 42900
72957 32952 16095 36011 27742 37566 04194 75018 00102 64926
53845 66292 67215 59902 18703 58131 75624 42309 18688 81224
24212 61571 05796 31879 45076 22655 93751 43677 34319 24491
51927 15269 48857 67868 56376 78288 82402 75295 75064 32922
91036 43125 33209 29073 12433 66454 60401 42866 81251 12670
89240 38957 78299 29925 06959 15480 07915 82518 13696 26112
54859 68368 74456 17713 76378 37081 00227 68310 48523 35001
92028 25642 28298 92699 85261 78473 56601 36562 71848 17386
24992 49363 74863 82127 81307 58409 00389 28080 69448 61169
34004 56559 85540 06758 64858 33329 75187 71329 48342 09954
03890 92022 70578 04122 14479 65312 92613 21290 65743 20355
04303 91287 44424 91815 66339 27174 81273 06255 96216 14709
30256

13431/12131/11431 kHz, 06-09, 1100/1120/1140 UTC

03585 00001 00000 36263

13431/12131/11431 kHz, 09-09, 1100/1120/1140 UTC

04036 00000 00000 33656

13431/12131/11431 kHz, 23-09, 1100/1120/1140 UTC

00316 00088 68712 87093 87801 93584 56515 18872 79648 30069
88486 57757 28246 74886 13050 80232 70350 32715 31717 34463
55554 56555 87820 48265 86255 03261 49385 57237 51322 79008
27783 22291 31468 95050 68806 08349 83196 32041 03674 65339
74675 57743 21648 11185 00343 67060 83029 42808 34635 26000
45583 02249 53536 79915 26076 01390 35299 57762 24080 45855
88102 00053 23279 71149 74052 72344 68944 83002 59055 20051
95784 73953 09327 08883 06007 40330 13030 12600 22630 05800
16330 62508 13271 66608 28522 94542 26867 40021 44257 46794
12463

13431/12131/11431 kHz, 30-09, 1100/1120/1140 UTC

03663 00001 00000 35661

13431/12131/11431 kHz, 27-09, 1100/1120/1140 UTC

07289 00001 00000 36667

13484/14684/15984 kHz, 1200/1220/1240 UTC

13484/14684/15984 kHz, 02-09, 1200/1220/1240 UTC

05476 00226 23313 62444 39134 33218 74227 43922 71684 61430
00523 46590 17891 04641 67608 08783 73356 00161 08558 45824
15204 86788 22260 74167 18569 59863 24821 82581 85081 24515
39739 53416 36879 51264 15389 48852 60072 91036 81629 84446
00863 60129 58410 15834 87869 58813 62423 05863 84734 25349
33843 95539 58266 14012 82078 98712 81861 37613 01397 88083
22040 16065 45484 16267 73967 69785 98215 18722 46635 92108
35933 58135 35028 46546 12032 28015 69757 45061 32479 76089
79604 82862 32515 75029 51003 23707 79165 19432 53979 84645
55988 09546 31784 92630 49112 37791 88953 18676 74794 86897
36428 08188 07306 52132 09053 90723 06099 35850 46344 39584

16205 28393 77283 76123 15233 00247 00638 38119 49846 22085
74597 82373 36498 92147 84421 22620 92924 24347 61105 90115
05691 06965 18262 40749 43416 87915 25101 19060 33164 40820
85593 17962 32233 82203 92362 25265 08093 39739 29853 01020
25084 26189 38541 46616 13712 81458 32976 94642 23357 07409
89876 47738 94065 92951 98669 81592 46443 04838 41541 72296
16164 16568 23409 01197 06909 37932 71350 54775 11350 41174
58045 09021 78780 50720 17552 92103 65519 00570 66251 69954
99590 98701 41125 03872 77895 07966 33536 66599 61921 11198
10918 98964 41049 55878 32281 02134 08669 52353 13231 53635
28178 06524 02767 96530 44620 18310 98855 93057 07929 59931
52552 49929 64095 34706 28077 66669 60672 17109 10525

13484/14684/15984 kHz, 07-09/09-09, 1200/1220/1240 UTC

03284 00240 01017 57455 79264 56706 67612 64891 16298 21029
92403 89175 05720 57341 39603 90600 94680 27331 46023 08453
02882 32122 38197 08585 08077 89772 53336 67008 87556 09406
30607 10913 33453 46003 31733 30920 42643 21743 30856 67210
83216 18392 77171 41268 66056 78432 32388 47721 50897 86301
89820 68870 48943 58449 56043 66009 65701 40701 79315 41891
16751 01215 09455 88837 87799 75752 80432 88798 09032 68940
17994 51865 65612 20196 42587 75304 80352 29493 70367 60932
06992 31189 47977 96286 63948 33034 29880 82411 46294 69450
55799 43734 55636 79369 85135 65908 96214 74976 10191 60727
74961 04203 30222 51159 80781 58083 36894 25035 29732 07054
86746 84774 80054 36816 76359 43651 43968 00282 06132 78683
03498 36666 14998 05480 39334 27613 61482 46401 51408 49012
94311 43685 73853 47640 15836 38720 56766 72737 35926 63348
26212 91337 06712 13016 70617 45126 16840 71442 56119 59872
04070 77014 17315 62235 31163 72827 62724 57164 25171 61233
60488 00803 43294 65869 77093 40295 02141 03041 89871 45811
82837 54104 15798 26238 18758 23523 99867 21341 30139 43686
08034 59649 06577 71146 52563 95416 33090 73987 53077 61469
43089 20951 79050 64724 21325 75635 01740 69170 62329 12690
28026 02405 22353 68874 24738 27452 08061 12391 95116 61129
04819 38465 59800 10688 92951 20625 01030 24981 83739 22111
37307 12799 35381 07426 67506 25960 15792 06654 56443 49865
21134 19743 70443 19525 65759 53071 29012 82972 72500 91800
04506 18288 10062

13484/14684/15984 kHz, 14-09, 1200/1220/1240 UTC

01995 00242 70531 44000 85938 20820 56974 68370 04280 10038
53660 06025 30233 00802 03862 67448 08332 82384 35004 08427
35353 05033 59944 04923 93759 92414 76485 08537 75991 83038
83068 88663 20360 58230 68048 86087 85773 32055 96466 19458
28241 64474 70267 17883 30556 55747 29849 00085 00553 55026
85092 83375 20380 41377 01150 62367 50408 95694 11680 46351
19808 17664 96077 22092 29697 67927 47297 90838 96389 21357
25824 62851 71322 77316 12289 76444 58835 72090 00850 06336
51246 30880 92179 58637 07306 18530 86535 60342 73838 54360
76950 42054 61424 09717 12862 27948 75878 52653 08634 06238
53046 54032 89847 75305 41308 27382 02587 51072 38356 76743
56336 27672 79252 57810 94150 74379 78253 98393 55583 57920
79713 57943 51711 06550 56655 91513 21240 30228 31793 55733
66495 10775 60526 30499 89305 78241 76135 24846 02117 31344
39365 46128 49723 76884 87103 66062 32529 00062 69586 99255
55501 34579 07456 88168 10990 29356 16687 70549 40622 64866
34699 74342 46940 71821 80953 22001 00018 85167 99207 99594
40098 58398 02207 06946 05358 02570 88886 82172 71564 63024
04106 72950 97299 11052 98009 84444 86606 80077 15477 44961
32317 80179 84786 72972 14739 79229 81458 12246 55332 87401
92842 32803 22779 32782 17692 99606 57235 99884 96681 80723
92700 26053 03871 40585 01766 16824 91232 97010 39010 62527

87664 51564 21879 96518 16275 27513 50866 81246 17273 28877
32665 54880 64803 81608 37837 75495 34078 98354 27495 86769
43846 42844 73796 96453 34230

13484/14684/15984 kHz, 21-09/23-09, 1200/1220/1240 UTC

07861 00188 31570 62256 98639 12897 97631 82662 57832 88920
53506 74293 65389 74383 59918 91889 26289 16029 58867 97343
06017 80315 18125 03966 84514 04742 02523 70400 11786 71693
58487 10348 52237 81055 39781 52553 98457 71413 79879 12258
04300 89660 24418 24640 72482 99609 94563 60212 93797 80340
67893 70031 38387 54681 30951 86339 15162 40043 84950 72386
92955 32952 53674 75425 57202 88139 39835 50533 77516 81827
41307 58444 28527 82029 31118 51707 42216 62487 46687 80129
20309 32333 87846 85267 02499 91978 51272 14288 87168 36734
74742 47453 06296 22265 07216 84680 73289 82441 38547 12377
13860 44769 68770 88982 15139 98691 29909 98565 74649 99571
95423 64990 01732 34808 12482 09073 80889 09105 25514 68091
94332 04135 65888 82868 51171 89279 19509 08576 27058 81680
00062 23086 30069 79358 07943 76413 54831 64485 74187 13698
40332 82232 56486 26541 14169 25591 64588 47293 50831 20949
83045 75919 61334 71913 28978 18096 27798 48924 13561 59828
87717 03427 21896 82470 45647 43549 18810 94713 62413 84335
35754 54006 90332 67906 52546 44704 06115 17708 83547 88514
46411 08930 94853 71161 16539 72726 88674 55601 54172 45826
56442

13484/14684/15984 kHz, 28-09/30-09, 1200/1220/1240 UTC

00853 00218 87406 85203 94296 08020 67818 70787 03893 37662
35671 65748 78867 85017 30302 62306 97998 20959 07759 14024
54187 09117 26770 05119 90607 15033 16716 42386 97663 66400
83718 78499 19370 29254 36383 23520 40674 10509 79648 37616
52407 35580 81380 61689 23923 60341 38368 41256 86375 95122
26585 51319 80420 09608 90538 31868 12411 95474 33431 24041
07817 62168 26762 59023 81158 16221 58671 92057 25312 52751
55021 91752 57698 77568 04480 40198 51978 51367 23358 65955
03111 83679 64301 68773 06983 55434 65214 20345 14206 19112
92040 43950 15532 35084 23266 51775 87388 96440 23945 73599
22903 84613 20708 50878 89644 40063 67612 42417 28077 32039
16622 12792 31041 93277 80531 67117 18526 35961 50265 32667
69301 14684 34997 10302 68138 96744 44922 90958 57535 23988
36075 13944 80197 87456 07219 86935 68482 19572 45483 14848
57774 09750 11010 01723 84914 78500 88314 24920 44185 74478
32477 80141 27037 29358 27022 86059 80172 86789 35711 89583
00984 56601 16062 05171 71784 26286 29555 90446 00820 82979
87811 98966 50153 83546 65774 68466 64685 16403 67312 06760
67937 48185 84565 01868 17486 78567 78759 03059 32696 63424
88575 46919 60003 40482 46973 47403 06516 78168 27064 56628
02981 01070 81158 22065 51048 26626 62327 73826 23978 26791
38661 84343 81546 82814 95614 62929 01718 16320 06454 55221
72502

14373/13373/11573 kHz, 1500/1520/1540 UTC

14373/13373/11573 kHz, 03-09, 1500/1520/1540 UTC

00756 00294 37692 89983 76230 76631 85722 59778 20694 62165
99164 22150 64562 08290 73457 25402 28650 12107 82543 43569
53585 01651 24638 00496 76294 03019 71661 58231 37538 04126
97267 74616 45789 21606 43261 69976 13889 64155 00714 70041
04129 66689 00066 15477 05185 47359 57689 87334 70312 91302
57464 93609 92343 77502 78300 10132 12515 36942 97552 84274
74742 86533 33359 44623 26110 22626 63414 02097 54168 10906
32470 38755 25765 11299 43168 37768 12510 42120 95681 28766
51878 12671 10565 49210 36532 09844 98214 48444 00684 45194

71161 52000 84551 26809 65141 82829 99285 17845 00271 32275
06114 59164 73252 10139 98920 47353 03528 15383 99094 66994
70186 11867 86996 40217 81100 97517 47789 24536 23805 93947
91043 13255 41943 40544 30424 25103 39093 36141 55364 83538
17551 52799 92901 53205 81309 54784 32698 87787 63925 65066
47211 93679 38149 21056 47526 09114 96661 28053 12085 99964
20569 97568 19030 46571 26384 55064 84982 39464 97602 47330
03221 83650 47772 49189 13665 66155 27410 38701 69676 27091
12343 64179 22088 29993 54379 76147 77654 83235 61904 03785
58119 20337 04981 60778 95685 47921 85259 25964 52501 24670
99314 73236 79609 62241 18339 83134 56641 05641 60246 32977
45769 95739 86252 41798 73743 64598 60539 59295 92338 68304
92732 41036 95767 45019 22535 03844 60551 60833 16969 09390
43385 66798 37132 14206 37341 90778 88316 62624 88889 61815
65694 86857 17091 98894 89445 12221 52378 74319 31555 28294
89739 31457 19149 61491 52402 53845 93650 29555 45383 00560
64467 34176 80652 95334 96010 22480 85658 87862 50520 66306
36091 65373 21013 49794 83660 70038 80856 86568 50257 26491
80718 14439 52073 17492 13249 81194 15191 71941 22256 58342
11005 88874 02334 07406 95023 47370 97044 13543 02195 97269
13811 86898 80211 67353 92687 37591 62422

14373/13373/11573 kHz, 05-09, 1500/1520/1540 UTC

05460 00001 00000 33263

14373/13373/11573 kHz, 10-09, 1500/1520/1540 UTC

06647 00001 00000 37662

14373/13373/11573 kHz, 12-09/17-09, 1500/1520/1540 UTC

00201 00240 77350 43568 56922 97907 02244 58576 75565 48319
43763 68893 72049 98037 13964 09755 55375 87609 33734 85970
23549 54524 62634 62749 70843 51585 18787 10159 70861 75854
56517 21425 09223 91764 68538 59160 03259 44986 06351 37693
76095 47803 60825 15528 04852 27955 84947 79225 40177 07916
43683 98198 23909 60832 35345 75429 79654 74077 80352 65432
60698 12365 60046 26348 47542 79509 32195 28015 25160 45882
10477 62713 16373 65058 00431 53978 84849 21843 74899 90803
34947 37272 10095 69394 17581 72867 66145 39971 96919 72989
72351 57579 67765 80419 52946 76833 31988 07357 96269 22603
09192 48324 43949 22716 55369 75566 89690 38335 10198 08784
13941 81174 96917 17702 43819 63204 47821 16390 37663 31015
90005 84300 69846 94255 61786 64115 74157 60550 69229 99632
15470 02820 01165 92771 04222 07957 93347 84250 50811 73465
24301 92995 14888 14727 85357 98935 96165 73250 95516 27862
54052 69097 97385 66500 69618 34274 65490 78854 07559 71056
67977 59238 44786 60801 12706 84969 41388 40055 15125 13869
74117 82710 15998 87039 66600 96524 56856 40718 44161 52298
99513 65995 64504 45078 31332 61376 93784 07585 42416 37341
10298 59834 30519 08005 53904 05346 42778 50155 67945 94738
25713 77449 34568 18495 88482 47418 81229 66429 60477 89892
28556 45110 33680 07450 52152 32486 89330 33764 80054 62388
36333 32418 86700 77483 76698 10711 21200 54982 68375 63644
19514 29497 51026 59084 01524 82393 84418 42467 34164 81261
71755 45483 75733

14373/13373/11573 kHz, 10-09, 1500/1520/1540 UTC

91328 00001 00000 36653

14373/13373/11573 kHz, 24-09, 1500/1520/1540 UTC

06194 00001 00000 33667

14373/13373/11573 kHz, 28-09, 1500/1520/1540 UTC

03477 00257 00588 40134 81700 26118 14028 07847 09017 24944
36780 16960 35965 76103 80105 08826 74911 67282 30784 25152
77077 04227 33886 00702 20101 14431 53392 52291 05472 80328
72021 98077 57422 20203 19483 88377 09310 61799 44597 73795
50087 42309 53687 19426 72715 13946 91550 94986 50684 65380
83554 57559 42712 88810 20456 94783 24818 53469 74603 11418
72203 27279 62130 02723 17544 19075 16282 74836 22709 57382
19691 27112 42430 25805 14821 24409 34783 62930 32709 29640
33580 52662 54606 40658 03730 84147 28834 76167 24723 00413
54929 20722 74919 76866 80846 98042 15127 15133 95994 72077
02941 68314 89220 36288 45163 98079 29309 28495 70891 15817
35312 91155 98574 31791 12830 08015 48162 86725 23009 22921
45270 62473 86871 51437 85575 76438 28999 83024 64997 34510
84668 15997 85603 95068 31681 09378 05666 69051 40690 14740
75722 82335 39711 53101 88406 35845 31179 56792 75197 79833
96422 50638 69213 07402 49475 50192 73734 63306 25680 90943
05825 35893 72370 09830 46108 95329 83001 49504 72202 34447
22335 25609 86027 30236 50362 31362 53160 25549 27584 63038
32608 16704 16516 65240 81700 97491 39148 46736 19742 86925
78335 17383 08563 86719 72179 45644 66223 43289 70788 16911
37895 56034 06677 79389 57147 94820 77887 00209 49572 69496
99512 16461 57996 61481 96743 29889 38928 39824 02931 52607
15609 75447 90345 21704 82346 52763 41409 04361 74340 47330
46491 63330 99951 70726 71267 39083 38785 07893 85312 86542
21266 94896 62165 84871 28364 99277 62137 66919 78852 60871
06147 82947 19344 65150 48826 58797 14878 10561 67167 40444

13914/15814/16314 kHz, 1200/1220/1240 UTC

13914/15814/16314 kHz, 04-09, 1200/1220/1240 UTC

00276 00226 10110 38111 61695 80733 63328 41879 37985 41466
61097 43108 06986 11227 18162 78358 45489 28548 50582 41701
59282 30531 84693 48407 97071 62441 31194 79712 01560 83678
77459 05265 30499 36966 81083 07819 75934 77171 44022 92505
08389 34992 33051 82519 30365 20540 46104 52572 25217 05932
17823 46903 01557 20483 79036 89282 52043 44612 57952 90240
98072 26291 57664 96151 36522 31262 35560 65173 25624 68279
81153 42329 56156 04284 95334 71237 03946 19777 48005 57799
11127 55833 16463 83653 48543 95133 81817 04708 73224 34992
10149 82699 18069 30672 26000 40345 17883 15673 97479 37177
46290 13374 57060 28020 92112 25337 99589 19952 32021 05030
59378 43109 92336 36253 09560 31328 36145 89091 23518 60000
12528 06373 41446 93659 91329 84524 01810 67992 44688 32736
63828 59583 89258 59684 50828 43337 20289 94553 29939 85772
94683 85829 31216 40950 52882 55565 89894 60365 59521 23154
44941 48776 65520 74149 78954 66815 00442 04031 16957 99492
95343 25613 52533 73484 25874 13829 79555 44117 65430 29921
34968 61239 21398 89710 16002 40781 68457 96331 60304 44662
70517 48442 28659 12058 85112 62910 99254 55703 68356 81083
66990 11807 87031 15230 43520 58102 80827 34944 28734 39422
01880 68901 84810 59113 68499 31091 67260 02121 44842 34968
75738 79604 35106 32074 67012 29106 88643 39154 21613 32234
80826 85458 84613 23988 58460 66516 04259 24688 05035

13914/15814/16314 kHz, 06-09, 1200/1220/1240 UTC

05292 00001 00000 33266

13914/15814/16314 kHz, 11-09, 1200/1220/1240 UTC

07492 00001 00000 34270

13914/15814/16314 kHz, 18-09, 1200/1220/1240 UTC

05173 00001 00000 33264

13914/15814/16314 kHz, 20-09/25-09, 1200/1220/1240 UTC

00942 00288 99456 43942 72741 30902 06400 66118 99969 95671
64343 26756 29736 66722 64966 62065 46340 22740 87352 79343
99211 68702 10907 90229 82196 91851 35655 00183 85413 66187
95179 30096 67789 38647 55979 46568 41876 99788 67869 48489
60920 10558 32712 81132 50734 71661 68034 84401 38666 59849
65814 68512 23091 35535 44419 50809 61610 01310 81348 18478
13530 82792 98286 29647 21210 12693 93606 05429 66676 79919
69970 08653 39296 00541 09096 98932 08625 63961 06244 45671
82036 87510 56276 73583 23300 10754 30637 54527 44341 12034
66276 10708 26876 70108 07890 50758 14797 04735 76786 75571
03385 23310 43957 21283 37090 27207 18969 91298 77672 25663
01298 62355 23938 81767 96738 00448 98405 31688 13986 43904
50304 59658 59143 19655 87796 87548 66791 57124 53618 20492
04805 62822 29067 94583 47185 38367 17329 49642 44294 16998
39784 86158 75847 38144 13638 36754 69139 42721 49786 76815
89726 48146 01845 52521 61096 26100 72929 21990 65099 61215
28915 74799 38553 52507 84994 35779 51721 40862 55706 20676
04457 84421 63658 79219 56951 36592 59041 39336 72680 92051
23294 01085 93342 01159 17139 29456 74509 36816 11865 61006
75637 94586 27177 91677 68944 20122 28803 08883 85071 37374
68463 85948 66590 16192 44711 19714 31373 23514 10444 33262
36363 59090 69655 51963 31892 12869 91067 95558 01643 44058
76508 46165 97165 59706 93231 66428 17095 07577 78837 46555
56669 53874 94640 44626 11164 75655 03447 92991 90665 37345
68386 95676 51223 77903 92972 24153 70230 32682 11611 70050
93635 90671 14735 59997 27396 01596 92752 51025 53288 00496
75684 59950 00232 15402 46753 66606 96249 18743 21994 41693
94512 45089 88804 47601 11968 31768 12891 02215 94435 65808
17325 16520 24308 42869 79949 72657 50361 72506 35244 06547
75666

13914/15814/16314 kHz, 27-09, 1200/1220/1240 UTC

05195 00214 24315 69860 97823 27451 17911 47094 02484 84493
16017 56730 81730 57192 15694 24622 33416 22418 57741 28649
25541 05402 17109 26033 71303 28843 11148 05031 47382 86032
65421 02479 72180 01307 32708 46693 62508 46209 71122 96562
99211 16477 58201 15918 93976 81767 02865 65680 28711 78492
11227 75762 04776 93436 28359 98862 95420 30346 33401 76555
51178 67264 31542 76813 20596 12413 14881 47437 56598 36319
68622 03981 27453 43492 65053 93069 72632 09561 56276 29760
83338 53120 17096 28598 33365 81256 51656 05245 28064 14215
22700 10053 30838 68932 80515 92205 59311 94207 02463 49154
84489 42294 44240 50423 49850 98772 99844 67694 78521 79207
25214 30163 79162 42224 66212 00660 32668 95428 38951 50496
24777 61944 13174 63299 18924 10691 61870 24699 49330 21799
66052 57499 51125 03599 13157 57024 51876 91902 65542 16513
38794 73380 33209 49253 55679 51587 44098 14486 47505 40151
02177 83329 98495 75701 50200 20276 43102 15335 16398 61845
84316 81944 74215 00341 87152 55973 56394 47027 97522 12440
78006 38076 12075 20072 48974 30300 52787 74848 34848 77441
30578 44991 78028 88433 89283 07583 15949 98734 88303 34340
68780 27794 26057 33888 19378 35504 57992 18909 76925 62220
30665 61540 21672 66051 08014 32943 15801 82978 84511 50297
47307 70750 51304 77045 29058 68358 53716

12152/13552/13952 kHz, 0700/0720/0740 UTC

12152/13552/13952 kHz, 05-09/07-09, 0700/0720/0740 UTC

08477 00096 31621 50456 27591 81051 22750 63267 69259 20561
83098 27100 51417 72102 24853 13775 76675 92011 68979 60677
92430 56464 44372 57504 56675 79780 84280 00798 86668 16538
77244 13701 10314 17120 52467 55294 79800 23692 79117 49585
79244 03650 30178 98608 14838 41742 51389 21512 74240 18612
91000 44981 48046 89859 09160 99040 56129 14021 57594 77033
80683 15056 15818 34604 03379 62496 54376 65561 22652 90681
46941 66717 05165 99211 58276 46880 09250 91951 05514 46490
29980 00905 36475 25725 53746 16540 00293 39894 64726 74174
87543 99680 48534 82898 90552 55313 06552 27972 51131

12152/13552/13952 kHz, 12-09/14-09/19-02/21-09, 0700/0720/0740 UTC

00922 00114 54152 47674 54766 64989 59129 52177 92118 31857
70912 55164 16994 59650 52576 67968 14583 36751 35642 39518
19428 32950 95174 80018 62437 93756 38198 40985 30143 75579
03315 89556 78809 89407 06634 09352 65532 67283 44743 80343
99907 49475 34471 00951 34027 09110 39855 48794 05910 75385
47156 39998 69996 88968 75778 65684 94658 45487 16379 92082
43429 16558 96023 60009 60940 54001 51851 84796 02737 27190
81503 72403 10231 48503 82952 76536 26490 87539 13485 36764
90419 24045 10936 92211 95672 68247 00439 50133 85543 71299
71294 61724 29244 58233 29743 07694 02654 30747 55977 44417
87847 82551 23062 97402 48108 31349 17027 53884 31686 66582
26718 63881 89342 64738 84036 49534 72330

12152/13552/13952 kHz, 26-09/28-09, 0700/0720/0740 UTC

09327 00140 97908 19919 06296 48949 00607 31855 11600 14640
87955 17539 58800 44063 47624 72437 43186 87135 50942 13465
02643 56365 32712 83561 96699 96345 94537 94862 63581 95143
36091 65002 12265 23193 19811 24991 70401 80417 38512 76746
47111 05400 41414 32160 03019 68188 24278 72464 11766 58253
36136 86069 74734 36658 33755 67657 36438 26598 28924 69547
38362 89756 34137 46768 44117 33161 35236 78348 07684 69414
71459 21523 72531 04377 17461 82307 63485 87267 51686 44591
65715 18586 42313 93694 44498 51650 30627 14426 55310 96671
84443 06536 38240 98933 64452 48798 64044 18564 07419 95622
93189 11127 55977 38655 96579 20916 97723 64469 54975 06808
11763 75242 82994 80836 87238 02419 08652 67825 62892 48355
70912 93282 22274 97653 10692 99008 04776 28194 95418 02525
62227 51722 93943 62301 09862 49176 37644 03454 90480 30138
50481 56143 30404

18206/16329/15824 kHz, 0910/0930/0950 UTC

18206/16329/15824 kHz, 05-09, 0910/0930/0950 UTC

06866 00001 00000 40264

18206/16329/15824 kHz, 07-09, 0910/0930/0950 UTC

05610 00001 00000 34256

18206/16329/15824 kHz, 14-09/19-09, 0910/0930/0950 UTC

00852 00180 73176 29605 02907 45570 89387 73102 73861 61833
08080 09358 03639 06385 21217 46533 56484 32073 72833 13899
60197 60770 80306 63536 88500 78976 93118 61846 85718 72975
36665 83837 78283 23872 80086 32251 83708 22820 30348 70888
69328 59064 03628 05307 59103 61944 49626 72434 85017 33531
47147 32261 13797 25207 48845 61472 48235 93368 44656 07630
88872 83300 94580 14519 06344 51300 40103 08128 06823 68365
02735 85561 08971 04089 06182 59022 51920 94893 06842 11557
64399 29731 06572 94651 72455 50624 43635 67719 06570 19365

50867 67220 60675 06809 28283 91554 54107 40004 73323 52026
29107 25809 31464 94530 43710 99920 22008 76292 20682 54222
26242 85721 21228 43645 13041 66426 69278 03338 05105 89517
71406 09813 33382 78821 79704 69793 33834 34678 79439 06023
24806 13426 46615 25956 25231 34976 05087 01680 02995 87610
15408 37783 16454 89353 43132 25555 70023 48301 32338 50681
10658 32884 23000 60885 20580 43884 06308 84331 00830 07088
13063 82308 00133 63325 37623 82778 32033 00411 83886 03600
63048 38838 88068 60776 04300 01501 01197 09119 01911 97865
23162 09957 22160

18206/16329/15824 kHz, 26-09/28-09, 0910/0930/0950 UTC

00995 00076 81076 88239 70466 96434 46089 18379 13536 83552
64324 52442 30652 72950 26876 72715 16440 00008 98944 31333
34658 13724 76098 46690 18812 55099 73963 48852 47281 73094
39354 39941 47110 34265 50347 36820 07254 33298 00873 07451
80806 83725 20131 75228 16651 26378 16170 62861 70345 99202
61339 63340 29613 65066 60588 36204 80163 94292 36168 05462
94915 86715 59498 67346 18246 14736 94651 49006 63718 87912
50207 82373 39907 53035 12515 09642 26711 41701 07360

XPB1

13521 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1100 UTC
13421 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1110 UTC
12221 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1120 UTC
11521 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1130 UTC
11021 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1140 UTC
10521 kHz, 03-09/07-09/10-09/14-09/17-09/24-09/28-09, 1150 UTC

14462 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1200 UTC
13962 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1210 UTC
13462 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1220 UTC
12162 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1230 UTC
11562 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1240 UTC
10962 kHz, 03-09/05-09/10-09/12-09/17-09/24-09/26-09, 1250 UTC

12139 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1900 UTC
10939 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1910 UTC
9339 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1920 UTC
8139 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1930 UTC
6939 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1940 UTC
5839 kHz, 04-09/06-09/11-09/13-09/18-09/20-09/25-09/27-09, 1950 UTC

13435 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0500 UTC
13935 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0510 UTC
14435 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0520 UTC
14835 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0530 UTC
15935 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0540 UTC
16225 kHz, 05-09/06-09/12-09/13-09/26-09/27-09, 0550 UTC

10256/11431 kHz, 15-09, 1200/1210 UTC. Test transmission
12158 kHz, 15-09, 1300 UTC. Test transmission

DIPLOMATIC STATIONS

North Korean diplomatic stations

16252 kHz, 08-09, 1402 UTC. QSX 16254 kHz
16254 kHz, 08-09, 1402 UTC. QSX 16252 kHz
12501 kHz, 26-09, 1228 UTC. QSX 12400 kHz
12400 kHz, 26-09, 1228 UTC. QSX 12501 kHz
11045 kHz, 26-09, 1232 UTC
14205 kHz, 27-09, 0818 UTC

Tunisian diplomatic stations

12140 kHz, 08-09, 0848 UTC, Mil-STD-188-141A/USB

STAT24: Tunisian embassy Rome sounding

15635 kHz, 26-09, 0937 UTC, Pactor-II

STAT154: MFA Tunis sending email to STAT2: Tunisian embassy Berlin

HFARQ#STAT2 HFARQ#STAT2 IPM.Note mail.hse DEFAULT@#HFARQ#STAT154 DEFAULT@#HFARQ#STAT154 followed by encrypted mail

16290 kHz, 27-09, 1035 UTC, Pactor-II

STAT151: MFA Tunis sending encrypted email to STAT21: Tunisian embassy Algiers

IPM.Note mail.hse DEFAULT@#HFARQ#STAT151 DEFAULT@#HFARQ#STAT151 HFARQ#STAT12 20220927113917:DEFAULT@

16125 kHz, 28-09, 0607 UTC, Mil-STD-188-141A/USB

STAT11: Unid Tunisian embassy clg STAT155: MFA Tunis

Russian diplomatic stations

17514 kHz, 01-09, 0718 UTC, MFSK-66	Russian diplo/intel.
13448 kHz, 01-09, 0719 UTC, MFSK-6	MFA Moscow clg 162543: Russian embassy Nicosia
14474 kHz, 01-09, 0723 UTC, Serdolik-v2	Russian diplo
12092 kHz, 01-09, 0724 UTC, Serdolik-v2	Russian diplo
19511 kHz, 01-09, 0728 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
17514 kHz, 01-09, 0729 UTC, MFSK-66	Russian diplo/intel.
11088 kHz, 01-09, 0729 UTC, MFSK-66	Russian diplo/intel.
17517 kHz, 01-09, 0741 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
18197 kHz, 01-09, 0620 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
18197 kHz, 01-09, 0920 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
18195 kHz, 01-09, 0930 UTC, MFSK-66	MFA Moscow msg to Russian Consulate General Ho Chi Minh City
19183 kHz, 01-09, 0932 UTC, MFSK-66	Russian diplo/intel.
18575 kHz, 01-09, 1134 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam - first call
16132 kHz, 01-09, 1155 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam - second call
19405 kHz, 01-09, 1158 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam - third call
17468 kHz, 01-09, 1337 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
18575 kHz, 01-09, 1134 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
16132 kHz, 01-09, 1155 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
19405 kHz, 01-09, 1158 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
13547 kHz, 02-09, 1059 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
14824 kHz, 02-09, 1042 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
13547 kHz, 02-09, 1059 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
12152 kHz, 05-09, 0730 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 05-09, 0825 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
18750 kHz, 05-09, 0922 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
18750 kHz, 05-09, 0934 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
15819 kHz, 05-09, 0730 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
12152 kHz, 05-09, 0729 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 05-09, 0825 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
18750 kHz, 05-09, 0922 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka

20675 kHz, 05-09, 0934 UTC, MFSK-6
 13462 kHz, 05-09, 1118 UTC, MFSK-6
 16197 kHz, 06-09, 0752 UTC, MFSK-66
 16197 kHz, 06-09, 0753 UTC, MFSK-6
 14615 kHz, 06-09, 0804 UTC, MFSK-6
 14358 kHz, 06-09, 0835 UTC, MFSK-6
 18206 kHz, 06-09, 0928 UTC, MFSK-6
 16188 kHz, 06-09, 1148 UTC, MFSK-6
 18523 kHz, 06-09, 1202 UTC, MFSK-6
 14452 kHz, 07-09, 0707 UTC, Serdolik-v2
 17452 kHz, 07-09, 0811 UTC, MFSK-66
 14631 kHz, 07-09, 0817 UTC, MFSK-6
 16115 kHz, 07-09, 1057 UTC, MFSK-6
 14650 kHz, 07-09, 1104 UTC, Serdolik-v2
 16115 kHz, 07-09, 1122 UTC, MFSK-6
 13857 kHz, 07-09, 1238 UTC, MFSK-66
 15676 kHz, 07-09, 1248 UTC, MFSK-6
 13506 kHz, 08-09, 0957 UTC, MFSK-6
 16223 kHz, 08-09, 1010 UTC, MFSK-6
 12213 kHz, 09-09, 0748 UTC, MFSK-6
 16060 kHz, 11-09, 1125 UTC, MFSK-6
 11158 kHz, 19-09, 0712 UTC, MFSK-6
 13415 kHz, 19-09, 0726 UTC, MFSK-6
 12133 kHz, 19-09, 0725 UTC, MFSK-6
 10175 kHz, 19-09, 0729 UTC, MFSK-6
 11638 kHz, 19-09, 0728 UTC, MFSK-6
 11562 kHz, 19-09, 0730 UTC, MFSK-6
 18750 kHz, 19-09, 0915 UTC, MFSK-6
 20675 kHz, 19-09, 0925 UTC, MFSK-6
 9450 kHz, 20-09, 1000 UTC, MFSK-6
 15989 kHz, 20-09, 1015 UTC, MFSK-6
 14358 kHz, 20-09, 1032 UTC, MFSK-6
 20690 kHz, 26-09, 0825 UTC, MFSK-6
 11424 kHz, 26-09, 0827 UTC, MFSK-6
 13423 kHz, 26-09, 0832 UTC, MFSK-66
 13462 kHz, 26-09, 1220 UTC, MFSK-66
 16117 kHz, 26-09, 1235 UTC, MFSK-66
 11562 kHz, 26-09, 1240 UTC, MFSK-66
 15656 kHz, 26-09, 1246 UTC, MFSK-6
 12175 kHz, 26-09, 1255 UTC, MFSK-66

MFA Moscow clg 641523: Russian embassy Lusaka
 MFA Moscow clg 554411: Test
 Russian diplo/intel.
 MFA Moscow clg 165423: Russian embassy Brussels
 MFA Moscow clg 125643: Russian embassy Ulaanbaatar
 MFA Moscow clg 154263: Russian embassy Rome
 MFA Moscow clg 246531: Russian embassy Accra
 MFA Moscow clg 325614: Russian embassy Nairobi
 MFA Moscow clg 325614: Russian embassy Nairobi
 Russian diplo
 Russian diplo/intel.
 MFA Moscow clg 362154: Russian embassy Athens
 MFA Moscow clg 215346: Russian Consulate General Mumbai
 Russian diplo
 MFA Moscow clg 215346: Russian Consulate General Mumbai
 Russian diplo/intel.
 MFA Moscow clg 231654: Russian embassy Abuja
 MFA Moscow clg 164532: Russian embassy Dublin
 MFA Moscow clg 164532: Russian embassy Dublin
 MFA Moscow clg 615243: Russian Permanent Mission to the UN
 MFA Moscow clg 261453: Russian embassy Cairo
 MFA Moscow clg 263514: Unid embassy
 MFA Moscow clg 263514: Unid embassy
 MFA Moscow clg 263514: Unid embassy
 MFA Moscow clg 263514: Unid embassy
 MFA Moscow clg 165324: Russian embassy Vienna
 MFA Moscow clg 432516: Russian embassy Bern
 MFA Moscow clg 641523: Russian embassy Lusaka
 MFA Moscow clg 641523: Russian embassy Lusaka
 MFA Moscow clg 165423: Russian embassy Brussels
 MFA Moscow clg 125643: Russian embassy Ulaanbaatar
 MFA Moscow clg 154263: Russian embassy Rome
 MFA Moscow clg 156234: Russian embassy Kampala
 MFA Moscow clg 421635: Russian embassy Oslo
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 Russian diplo/intel.
 MFA Moscow clg 364152: Russian embassy New Delhi
 Russian diplo/intel.

CLANDESTINE / TARGETED RADIO & JAMMERS

Target: North Korea

4450 kHz, 01-09, 1333 UTC, AM Voice of the People program in Korean jammed by North Korea
 4450 kHz, 01-09, 1333 UTC, AM North Korea jamming the Voice of the People

Russian-Ukrainian radio war

7055 kHz, 17-09, 1711 UTC Ukrainian war song Bayraktar
 7060 kHz, 17-09, 1714 UTC Anti Russia, anti Putin talk
 7050 kHz, 17-09, 1716 UTC Anti Russia, anti Putin talk

UTILITY ROUND-UP

Chinese military

Chinese military 3-figure ALE id net with voice traffic and OFDM traffic. Copied by VSh.

11701 kHz, 10-09, 0044 UTC OFDM-39/USB in progress

11701 kHz, 10-09, 0046 UTC Voice traffic

Man: Ok, here repeat telegram starts from 01125 50635, 7595 6270, how's your reception?

(No audible response)

Man: Ok

(No audible response)

Man: Please repeat

(No audible response)

Man: Is it station number 434?

(No audible response)

Man: Ok wait for a second

(No audible response)

Man: Ok, see you later.

8535 kHz, 10-09, 0306 UTC OFDM-39/LSB in progress

11539 kHz, 10-09, 0314 UTC OFDM-39/USB in progress

12226 kHz, 10-09, 0328 UTC OFDM-39/USB in progress

8137 kHz, 10-09, 0808 UTC QSX 8173 kHz

OFDM-39/USB short burst

Man: 7169 2640 6060

3941 6060

7243

OFDM-39/USB short bursts

8173 kHz, 10-09, 0813 UTC QSX 8137 kHz

OFDM-39/USB short bursts

Man: 2525- (OFDM-39 bursts)...

2527 25253 5353

19,59 0305800 69207953 60753 666

5353 9496

Followed by Mil-STD-188-141A/USB (ALE) (8170 USB/8173 LSB)

8173 kHz, 10-9, 0846 kHz QSX 8173 kHz

Man: 5353 5353

4747 273- 2929 2746 1746 1000

8137 kHz, 10-09, 0848 UTC QSX 8173

Man: 5353 5543

OFDM-39 short burst + message

Man: 5353 5353

8173 kHz, 10-09, 0851 UTC QSX 8137. Conversation. OFDM-39/USB message

8148.5 kHz, 11-09, 0839 UTC. Two stations

A: 0635 received, 0635 received.

B: How's the receiving of telegram?

A: Copy finished.

B: Please repeat the header.

A: 0035 please repeat your words.

B: Repeat the header.

A: 0009 100 28 0911 1630

B: Now you can send your telegram.

A: 0035 please repeat.

B: Send your telegram.

A: 0035 got it. 0035 0035, 0635 calling you.

B: Please repeat.

A: 0035 0035, 0635 calling you. I have telegram, please copy.

B: Ok.

OFDM-39 message

B: I paused my copying, please send your telegram again. Pause your signal, pause your signal. (During the OFDM-39)

A: 0035 0035, 0635 calling, how's your receiving?

B: Copy fail, please repeat.

A: Repeat please.

B: Copy fail, please repeat.
A: Got it.
B: Sent your telegram.
A: 0635 understand.
OFDM-39 message
A: 0035 0035, 0635 calling, how's your copy?
B: Copy complete. I give you receipt, 1646.
A&B: Talking at same time. Can't hear A clearly, but B said he's going to test a telegram
B: 0635 0635, here's telegram please copy.
A: 0035 please wait I need to adjust some setup.
B: Ok.
OFDM-39 message

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB, Arg, OH8EFI, HA621N

Monolith stations

Channel markers

4625 kHz, 22-09, 1805 UTC	Buzzer: Russian military channel marker (S28)
3756 kHz, 22-09, 1806 UTC	Pip: Russian military channel marker (S30)
3364 kHz, 22-09, 1808 UTC	Squeaky Wheel: Russian military channel marker (S32)
3243 kHz, 22-09, 1810 UTC	Goose: Russian military channel marker
4770 kHz, 22-09, 1811 UTC	Alarm: Russian military channel marker
4181 kHz, 25-09, 0800 UTC	Dash: Russian military channel marker
4930 kHz, 25-09, 1820 UTC	Air Horn: Russian military channel marker

Western District







4625 kHz, 13-09, 1910 UTC

The Buzzer trolled by radio hooligans. Mario and Packman sounds and music played on top of the buzzer

We received the following interesting report from Priyom's Pierre Ynard.

On September 14th the Air Horn moved from 3510 kHz to 4930 kHz, and apparently sent what would be its first known real traffic ever since it started operating in 2017. So far all activity logged was test counts and the like; it did send a few PROVERKA VYZOVA (CALL CHECK) messages to Neva-100 before.

The timeframe of this activity on what is thought to have been a long dormant station so far, coincided with the partial mobilization in Russia, which for reference, was announced in a TV address on 2022-09-21 at 0600z.

3510 kHz, 14-09, 0710 UTC	Air Horn channel marker
 4930 kHz, 14-09, 0740 UTC	1100Hz tone then Russian male with a test count
4930 kHz, 14-09, 0752 UTC	Continuous 1100Hz tone
 4930 kHz, 14-09, 0806 UTC	Russian male with a test count
 4930 kHz, 14-09, 0823 UTC	1100Hz tone ends, Russian male with test counts, then Air Horn channel marker
4930 kHz, 14-09, 1050 UTC	Air Horn channel marker
4930 kHz, 14-09, 2126 UTC	Air Horn channel marker
 4930 kHz, 21-09, 1418 UTC	Neva-100 GOLUBOChYeK 4297
 4930 kHz, 20-09, 0457 UTC	Vozduh Neva-100 BYTOSTIH 6759
 4930 kHz, 25-09, 0825 UTC	Vozduh Neva-100 BYTOSTIH 6759

BYTOSTIH 6759, which was sent twice there, is a Russian military message known from before on other stations. It was at least logged three times on the Pip in 2020: <https://priyom.org/military-stations/russia/the-pip/2020>

But the first message we found and reported on was the GOLUBOChYeK one, exactly on the day of the mobilization; this turned out to be our most successful tweet EVER: https://twitter.com/priyom_org/status/1572626805588107264

Morse transmissions

Russian Navy morse traffic

8737 kHz, 27-09, 1404 UTC. RMP: Russian navy Kaliningrad

REO REO REO DE RMP RMP QTC 235 21 27 1236 235 =
11111 15683 80230 48810 99514 12896 53621 68802 36909 57991
33675 63324 62749 302 25464 77396 16963 96292 13461 82286
27020 =

REO REO REO DE RMP RMP QTC 235 21 27 1236 235 =
11111 15683 80230 48810 99514 12896 53621 68802 36909 57991
33675 63324 62749 302 25464 77396 16963 96292 13461 82286
27020 +

REO REO REO DE RMP RMP QTC 437 32 27 1240 437 =
11111 78246 83664 10680 30411 36163 43716 02855 72486 33308
04641 47286 85972 35433 11459 34549 10667 31444 07217 38869
86796 79441 30989 98276 20159 83486 45385 15353 69639 16545
16732 27031 =

REO REO REO DE RMP RMP QTC 437 32 27 1240 437 =
11111 78246 83664 10680 30411 36163 43716 02855 72486 33308
04641 47286 85972 35433 11459 34549 10667 31444 07217 38869
86796 79441 30989 98276 20159 83486 45385 15353 69639 16545
16732 27031 +

REO REO REO DE RMP RMP QTC 880 30 27 1243 880 =
11111 46093 30888 78516 47733 99361 96069 71642 19017 07203
10292 32296 62024 56484 71764 19504 91832 26308 57686 59655
71558 89675 45814 79311 61885 47669 27224 57401 30760 20709 =

REO REO REO DE RMP RMP QTC 880 30 27 123 880 =
11111 46093 30888 78516 47733 99361 96069 71642 19017 07203
10292 32296 62024 56484 71764 19504 91832 26308 57686 59655
71558 89675 45814 79311 61885 47669 27224 57401 30760 20709 +

8737 kHz, 27-09, 1440-1448 UTC. RMP wkg RMFE: SB-123, seagoing tug Project 02980

RMFE RMFE RMFE DE RMP RMP
QSA4 QRV K
...
RMP QSL 414 K

6324 kHz, 27-09, 0620 UTC

RMFE (SB-123 seagoing tug project 02980, MMSI 273544330 wkg RMP: Russian navy Kaliningrad. QXX 3745.5//8737 kHz
QTC 850 17 27 0900 850 = SML FOR RCD88 RMB97 RJH82 = FM13 weather code
POS. 59,9N 26,4E, 10KN/heading E, from Baltiysk to Kronstadt

8622.5 kHz, 27-09, 1440 UTC

RMFE (SB-123 seagoing tug project 02980, MMSI 273544330 wkg RMP: Russian navy Kaliningrad. QXX 3745.5//8737 kHz
QTC 414 19 27 1735 414 = SML 16683 27017 =
AIS POS . 60,2N 27,9E, 8KN/heading 120, from Baltiysk to Kronstadt

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	14-9	0710	3510	Wed	Air Horn: Russian military channel marker	USB	(Arg)
---	14-9	0740	4930	Wed	Air Horn: 1100Hz tone then Russian male with a test count	USB	(Arg)
---	14-9	0752	4930	Wed	Air Horn: continuous 1100Hz tone	USB	(Arg)
---	14-9	0806	4930	Wed	Air Horn: Russian male with a test count	USB	(Arg)
---	14-9	0823	4930	Wed	Air Horn: 1100Hz tone ends, Russian male with test counts, then Air Horn channel marker	USB	(Arg)
---	14-9	1050	4930	Wed	Air Horn channel marker	USB	(Arg)
---	14-9	2126	4930	Wed	Air Horn channel marker	USB	(OH8EFI)
---	17-9	1711	7055	Sat	Ukrainian war song Bayraktar	LSB	(AB)
---	17-9	1714	7060	Sat	Anti Russia, anti Putin talk	LSB	(AB)
---	17-9	1716	7050	Sat	Anti Russia, anti Putin talk	LSB	(AB)
---	20-9	0457	4930	Tue	Air Horn: Vozduh Neva-100 BYTOSTIH 6759	USB	(Arg)
---	21-9	1418	4930	Wed	Air Horn: Neva-100 GOLUBOChYeK 4297	USB	(HA621N)
---	25-9	0800	4181	Sun	Air Horn: Dash: Russian military channel marker	USB	(AB)
---	25-9	0825	4930	Sun	Air Horn: Vozduh Neva-100 BYTOSTIH 6759	USB	(Arg)
---	25-9	1820	4930	Sun	Air Horn: Russian military channel marker	USB	(AB)
---	25-9	1824	3243	Sun	Goose: Russian military channel marker	USB	(AB)
---	25-9	1826	4770	Sun	Alarm: Russian military channel marker	USB	(AB)
DPRK	8-9	1402	16252	Thu	North Korean diplo. QSX 16254 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	8-9	1402	16254	Thu	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	26-9	1228	12400	Mon	North Korean diplo. QSX 12501 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	26-9	1228	12501	Mon	North Korean diplo. QSX 12400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	26-9	1232	11045	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	27-9	0818	14205	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	1-9	0300	13557	Thu	361 958 42 71151 32700 02236 ... 49020 96685 97105 958 42 00000	USB	(PY/HFD)
E06	1-9	0400	11521	Thu	361 958 42 71151 32700 02236 ... 49020 96685 97105 958 42 00000	USB	(PY)/HFD
E06	1-9	0500	14370	Thu	354 290 61 40780 46250 47713 ... 37238 12590 48254 290 61 00000	USB	(AB-CYP/HFD)
E06	1-9	0600	15930	Thu	354 290 61 40780 46250 47713 ... 37238 12590 48254 290 61 00000	USB	(AB-CYP/HFD)
E06	2-9	0300	13557	Fri	361 958 42 71151 32700 02236 ... 49020 96685 97105 958 42 00000	USB	(PY)
E06	2-9	0400	11521	Fri	361 958 42 71151 32700 02236 ... 49020 96685 97105 958 42 00000	USB	(PY)
E06	2-9	0500	14370	Fri	354 290 61 40780 46250 47713 ... 37238 12590 48254 290 61 00000	USB	(AB)
E06	2-9	0600	16265	Fri	354 290 61 40780 46250 47713 ... 37238 12590 48254 290 61 00000	USB	(AB-CYP)
E06	5-9	0210	11426	Mon	537 192 48 48799 31708 92968 ... 10264 44226 52259 192 48 00000	USB	(PY/HFD)
E06	5-9	0310	14477	Mon	537 192 48 48799 31708 92968 ... 10264 44226 52259 192 48 00000	USB	(PY/HFD)
E06	6-9	0210	11426	Tue	537 192 48 48799 31708 92968 ... 10264 44226 52259 192 48 00000	USB	(PY)
E06	6-9	0310	14477	Tue	537 192 48 48799 31708 92968 ... 10264 44226 52259 192 48 00000	USB	(PY)
E06	8-9	0300	13557	Thu	361 270 43 99767 93403 72980 ... 47378 36404 20324 270 43 00000	USB	(PY)
E06	8-9	0400	11521	Thu	361 270 43 99767 93403 72980 ... 47378 36404 20324 270 43 00000	USB	(PY)
E06	9-9	0300	13557	Fri	361 270 43 99767 93403 72980 ... 47378 36404 20324 270 43 00000	USB	(PY)
E06	9-9	0400	11521	Fri	361 270 43 99767 93403 72980 ... 47378 36404 20324 270 43 00000	USB	(PY)
E06	12-9	0210	11426	Mon	537 608 49 18469 57996 91082 ... 25201 35861 80771 608 49 00000	USB	(PY)

E06	12-9	0310	14477	Mon	537 608 49 18469 57996 91082 ... 25201 35861 80771 608 49 00000	USB	(PY)
E06	13-9	0210	11426	Tue	537 608 49 18469 57996 91082 ... 25201 35861 80771 608 49 00000	USB	(PY)
E06	13-9	0310	14477	Tue	537 608 49 18469 57996 91082 ... 25201 35861 80771 608 49 00000	USB	(PY)
E06	13-9	1228	11073	Tue	till 1235z: carrier, test tones and 352 once	USB	(PY/VSh)
E06	13-9	1237	11089	Tue	till 1251z: carrier, test tones and 352 once	USB	(PY/VSh)
E06	13-9	1251	11089	Tue	several restarts and briefly OFDM-45 before a restart 352 478 60 09309 96398 49855 ... 34756 13687 54178 478 60 00000	USB	(PY/VSh)
E06	15-9	0300	13557	Thu	361 895 44 77821 43944 15213 ... 55565 16409 86815 895 44 00000	USB	(PY)
E06	15-9	0400	11521	Thu	361 895 44 77821 43944 15213 ... 55565 16409 86815 895 44 00000	USB	(PY)
E06	16-9	0300	13557	Fri	361 895 44 77821 43944 15213 ... 55565 16409 86815 895 44 00000	USB	(PY)
E06	16-9	0400	11521	Fri	361 895 44 77821 43944 15213 ... 55565 16409 86815 895 44 00000	USB	(PY)
E06	19-9	0210	11426	Mon	537 124 50 00657 60902 69540 ... 67936 63022 60077 124 50 00000	USB	(PY)
E06	19-9	0310	14477	Mon	537 124 50 00657 60902 69540 ... 67936 63022 60077 124 50 00000	USB	(PY)
E06	20-9	0210	11426	Tue	537 124 50 00657 60902 69540 ... 67936 63022 60077 124 50 00000	USB	(PY)
E06	20-9	0310	14477	Tue	537 124 50 00657 60902 69540 ... 67936 63022 60077 124 50 00000	USB	(PY)
E06	22-9	0300	13557	Thu	361 702 45 56862 31910 31307 ... 59053 79036 94045 702 45 00000	USB	(PY)
E06	22-9	0400	11521	Thu	361 702 45 56862 31910 31307 ... 59053 79036 94045 702 45 00000	USB	(PY)
E06	23-9	0300	13557	Fri	361 702 45 56862 31910 31307 ... 59053 79036 94045 702 45 00000	USB	(PY)
E06	23-9	0400	11521	Fri	361 702 45 56862 31910 31307 ... 59053 79036 94045 702 45 00000	USB	(PY)
E06	23-9	0740	11073	Fri	352 987 60 22513 36605 61076 ... 19983 73298 11865 987 60 00000. Restarts and Windows XP ding and shutdown sounds	USB	(Subilo/VSh)
E06	26-9	0210	11426	Mon	537 689 51 28414 24988 65523 ... 96510 84140 86285 689 51 00000	USB	(PY)
E06	26-9	0310	14477	Mon	537 689 51 28414 24988 65523 ... 96510 84140 86285 689 51 00000	USB	(PY)
E06	27-9	0210	11426	Tue	537 689 51 28414 24988 65523 ... 96510 84140 86285 689 51 00000	USB	(PY)
E06	27-9	0310	14477	Tue	537 689 51 28414 24988 65523 ... 96510 84140 86285 689 51 00000	USB	(PY)
E06	29-9	0300	13557	Thu	361 859 46 01027 87254 55596 ... 54458 18951 12619 859 46 00000	USB	(PY)
E06	29-9	0400	11521	Thu	361 859 46 01027 87254 55596 ... 54458 18951 12619 859 46 00000	USB	(PY)
E06	30-9	0300	13557	Fri	361 859 46 01027 87254 55596 ... 54458 18951 12619 859 46 00000	USB	(PY)
E06	30-9	0400	11521	Fri	361 859 46 01027 87254 55596 ... 54458 18951 12619 859 46 00000	USB	(PY)
E07	1-9	1410	16228	Thu	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/MPJ/HFD)
E07	1-9	1430	15928	Thu	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/MPJ/HFD)
E07	1-9	1450	14928	Thu	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/MPJ/HFD)
E07	2-9	0700	16354	Fri	363 363 363 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB/HFD-FIN)
E07	2-9	0720	18654	Fri	363 363 363 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB/HFD-FIN)
E07	2-9	0740	19354	Fri	363 363 363 1 2776 63 2776 63 98712 96061 32419 ... 86336 95415 67310 000 000	USB	(AB/HFD-FIN)
E07	3-9	1300	12176	Sat	152 152 152 000	USB	(AB/HFD)
E07	3-9	1320	11576	Sat	152 152 152 000	USB	(AB/HFD)
E07	3-9	1410	16228	Sat	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/XAH)
E07	3-9	1430	15928	Sat	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/XAH)
E07	3-9	1450	14928	Sat	594 594 594 1 718 72 718 72 99831 07831 00576 .. 43465 17951 15866 000 000	USB	(AB/XAH)
E07	4-9	0600	9261	Sun	224 224 24 000	USB	(AB/HFD)
E07	4-9	0620	10261	Sun	224 224 24 000	USB	(AB/HFD)
E07	6-9	0700	16354	Tue	363 363 363 000	USB	(AB)
E07	6-9	0720	18654	Tue	363 363 363 000	USB	(AB)

E07	8-9	1410	16228	Thu	594 594 594 000	USB	(AB/XAH)
E07	8-9	1430	15928	Thu	594 594 594 000	USB	(AB/XAH)
E07	9-9	0700	16354	Fri	363 363 363 000	USB	(AB-RUS)
E07	9-9	0720	18654	Fri	363 363 363 000	USB	(AB-RUS)
E07	10-9	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	10-9	1320	11576	Sat	152 152 152 000	USB	(AB/XAH)
E07	10-9	1410	16228	Sat	594 594 594 000	USB	(AB/XAH)
E07	10-9	1430	15928	Sat	594 594 594 000	USB	(AB/XAH)
E07	11-9	0600	9261	Sun	224 224 24 000	USB	(AB)
E07	11-9	0620	10261	Sun	224 224 24 000	USB	(AB)
E07	13-9	1500	17452	Tue	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(T101)
E07	13-9	1520	16272	Tue	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(T101)
E07	13-9	1540	14875	Tue	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(T101)
E07	15-9	1410	16228	Thu	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	15-9	1430	15928	Thu	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	15-9	1450	14928	Thu	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	16-9	1500	17452	Fri	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(AB)
E07	16-9	1520	16272	Fri	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(AB)
E07	16-9	1540	14875	Fri	428 428 428 1 7357 63 7357 63 24494 35462 49533 ... 49758 73644 33368 000 000	USB	(AB)
E07	17-9	1300	12176	Sat	152 152 152 000	USB	(AB/XAH)
E07	17-9	1320	11576	Sat	152 152 152 000	USB	(AB/XAH)
E07	17-9	1410	16228	Sat	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	17-9	1430	15928	Sat	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	17-9	1450	14928	Sat	594 594 594 1 555 55 555 55 17453 21595 89883 ... 41878 99358 66945 000 000	USB	(AB/XAH)
E07	18-9	0600	9261	Sun	224 224 24 000	USB	(AB)
E07	18-9	0620	10261	Sun	224 224 24 000	USB	(AB)
E07	20-9	1500	17452	Tue	428 428 428 000	USB	(MPJ/HFD)
E07	20-9	1520	16272	Tue	428 428 428 000	USB	(MPJ/HFD)
E07	22-9	1410	16228	Thu	594 594 594 000	USB	(XAH)
E07	22-9	1430	15928	Thu	594 594 594 000	USB	(Time)
E07	23-9	1500	17452	Fri	428 428 428 000	USB	(AB/MPJ/XAH)
E07	23-9	1520	16272	Fri	428 428 428 000	USB	(AB/MPJ/XAH)
E07	24-9	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	24-9	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	24-9	1410	16228	Sat	594 594 594 000	USB	(AB/MPJ)
E07	24-9	1430	15928	Sat	594 594 594 000	USB	(AB/MPJ)
E07	25-9	0600	9261	Sun	224 224 24 000	USB	(AB)
E07	25-9	0620	10261	Sun	224 224 24 000	USB	(AB)
E07	26-9	0710	10256	Mon	Test. Very fast. E06 voice. 231 231 231 1 5014 39 5104 39 03994 53595 89687 ... 73827 38842 37155 000 000	USB	(AB/VSh)
E07	27-9	1500	17452	Tue	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB)
E07	27-9	1520	16272	Tue	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB)
E07	27-9	1540	14875	Tue	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB)
E07	29-9	1410	16228	Thu	594 594 594 1 780 80 780 80 06982 37610 33926 ... 68978 55661 74878 000 000	USB	(AB/MPJ)

E07	29-9	1430	15928	Thu	594 594 594 1 780 80 780 80 06982 37610 33926 ... 68978 55661 74878 000 000	USB	(AB/MPJ)
E07	29-9	1450	14928	Thu	594 594 594 1 780 80 780 80 06982 37610 33926 ... 68978 55661 74878 000 000	USB	(AB/MPJ)
E07	30-9	1500	17452	Fri	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB/XAH/MPJ)
E07	30-9	1520	16272	Fri	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB/XAH/MPJ)
E07	30-9	1540	14875	Fri	428 428 428 1 7247 137 7247 137 92885 06785 48169 ... 76307 46784 07201 000 000	USB	(AB/XAH/MPJ)
E11	1-9	0315	11092	Thu	258/00	USB	(AB/HFD)
E11	1-9	0445	10728	Thu	793/00	USB	(AB)
E11	1-9	0645	8423	Thu	514/00	USB	(AB/HFD)
E11	1-9	0745	14865	Thu	223/00	USB	(AB/HFD)
E11	1-9	0820	5941	Thu	432/00	USB	(AB/HFD)
E11	1-9	0845	13908	Thu	157/00	USB	(AB/HFD)
E11	1-9	0900	9968	Thu	538/00	USB	(HFD)
E11	1-9	0930	6940	Thu	279/00	USB	(AB/XAH/HFD)
E11	1-9	1230	12530	Thu	334/00	USB	(AB/HFD)
E11	1-9	1300	5371	Thu	319/00	USB	(AB/MPJ-HOL/HFD)
E11	1-9	1530	10330	Thu	262/00	USB	(AB/MPJ/XAH)
E11	1-9	1732	7864	Thu	410/00. Late start	USB	(AB/XAH/HFD)
E11	1-9	1900	7317	Thu	649/00	USB	(AB/XAH/HFD)
E11	1-9	2000	5737	Thu	520/00	USB	(AB/HFD)
E11	2-9	0600	8680	Fri	353/00	USB	(AB/HFD)
E11	2-9	0700	8180	Fri	577/00	USB	(AB/HFD)
E11	2-9	0715	9963	Fri	633/00	USB	(AB/HFD)
E11	2-9	0745	17410	Fri	342/00	USB	(AB)
E11	2-9	0820	5941	Fri	439/00	USB	(HFD)
E11	2-9	0830	15905	Fri	189/00	USB	(AB/HFD)
E11	2-9	1000	9951	Fri	304/00	USB	(AB/XAH/HFD)
E11	2-9	1715	6923	Fri	975/00	USB	(AB/XAH/HFD)
E11	2-9	1815	11116	Fri	925/00	USB	(AB/XAH/HFD)
E11	2-9	1910	8530	Fri	610/00	USB	(AB/XAH/HFD)
E11	3-9	0700	9079	Sat	491/00	USB	(AB/HFD)
E11	3-9	1430	14972	Sat	910/00	USB	(AB/XAH/HFD)
E11	3-9	1530	4505	Sat	368/00	USB	(AB/XAH/HFD)
E11	3-9	1910	4181	Sat	399/00	USB	(AB/XAH/HFD)
E11	4-9	0600	8680	Sun	352/00	USB	(AB)
E11	4-9	0700	9079	Sun	492/00	USB	(AB)
E11	4-9	1530	4505	Sun	367/00	USB	(AB-POL/MPJ-POL/XAH)
E11	4-9	1605	5176	Sun	233/00	USB	(AB/MPJ-POL/XAH/HFD)
E11	4-9	1745	13470	Sun	246/00	USB	(AB/MPJ/XAH/HFD)
E11	4-9	1815	11116	Sun	929/00	USB	(AB/XAH)
E11	4-9	1910	8530	Sun	611/00	USB	(AB/XAH)
E11	4-9	2000	5737	Sun	524/00	USB	(AB/XAH)
E11	5-9	0450	5371	Mon	418/00	USB	(AB/HFD)
E11	5-9	0640	14865	Mon	949/00	USB	(AB/HFD)
E11	5-9	0715	15632	Mon	755/00	USB	(AB/HFD)

E11	5-9	0745	10213	Mon	269/00	USB	(AB/HFD)
E11	5-9	0900	9968	Mon	538/00	USB	(AB/XAH)
E11	5-9	1045	7317	Mon	691/00	USB	(AB/HFD)
E11	5-9	1745	13470	Mon	247/00	USB	(AB/XAH)
E11	5-9	1900	7317	Mon	647/00	USB	(AB)
E11	6-9	0715	9963	Tue	636/00	USB	(AB)
E11	6-9	0820	19184	Tue	133/00	USB	(HFD)
E11	6-9	1000	9951	Tue	305/00	USB	(AB/XAH)
E11	6-9	1430	14972	Tue	912/00	USB	(GHn/XAH)
E11	7-9	0640	14865	Wed	941/00	USB	(AB)
E11	7-9	0715	15632	Wed	750/00	USB	(AB)
E11	7-9	0745	17410	Wed	342/00	USB	(AB/HFD)
E11	7-9	0820	19184	Wed	136/00	USB	(AB-POL)
E11	7-9	0900	9968	Wed	534/00	USB	(AB)
E11	7-9	0930	6940	Wed	273/00	USB	(AB/XAH)
E11	7-9	1045	7317	Wed	697/00	USB	(AB)
E11	7-9	1715	6923	Wed	976/00	USB	(AB/XAH)
E11	7-9	1910	4181	Wed	394/00	USB	(AB)
E11	8-9	0445	10728	Thu	793/00	USB	(AB)
E11	8-9	0820	5941	Thu	431/00	USB	(AB-POL)
E11	8-9	0930	6940	Thu	277/00	USB	(AB)
E11	8-9	1530	10330	Thu	264/00	USB	(AB/XAH)
E11	8-9	1730	7864	Thu	416/00	USB	(AB/XAH)
E11	8-9	1900	7317	Thu	640/00	USB	(AB/XAH)
E11	9-9	0600	8680	Fri	359/00	USB	(AB)
E11	9-9	0715	9963	Fri	637/00	USB	(AB)
E11	9-9	0745	17410	Fri	347/00	USB	(AB-POL)
E11	9-9	0820	5941	Fri	431/00	USB	(AB)
E11	9-9	1000	9951	Fri	306/00	USB	(AB/XAH)
E11	9-9	1715	6923	Fri	970/00	USB	(AB)
E11	9-9	1815	11116	Fri	927/00	USB	(XAH)
E11	9-9	1910	8530	Fri	617/00	USB	(AB/XAH)
E11	10-9	0700	9079	Sat	496/00	USB	(AB)
E11	10-9	1430	14972	Sat	919/00	USB	(AB/XAH-POL)
E11	10-9	1530	4505	Sat	369/00	USB	(AB/XAH-POL)
E11	10-9	1910	4181	Sat	395/00	USB	(AB/XAH)
E11	11-9	0600	8680	Sun	351/00	USB	(AB)
E11	11-9	0700	9079	Sun	496/00	USB	(AB)
E11	11-9	1530	4505	Sun	366/00	USB	(AB-POL/XAH-POL)
E11	11-9	1745	13470	Sun	240/00	USB	(AB-POL/XAH)
E11	11-9	1815	11116	Sun	922/00	USB	(AB/XAH)
E11	11-9	1910	8530	Sun	616/00	USB	(AB/XAH)
E11	12-9	0640	14865	Mon	945/00	USB	(AB/XAH)
E11	12-9	0830	15905	Mon	181/00	USB	(AB-POL)

E11	12-9	0830	15905	Mon	181/00	USB	(AB-POL)
E11	12-9	0845	12202	Mon	711/00	USB	(AB/XAH)
E11	12-9	0900	9968	Mon	533/00	USB	(AB/XAH)
E11	12-9	1745	13470	Mon	245/00	USB	(AB/XAH)
E11	12-9	1900	7317	Mon	643/00	USB	(AB)
E11	13-9	0645	8423	Tue	511/00	USB	(AB)
E11	13-9	0700	8180	Tue	576/00	USB	(AB)
E11	13-9	0715	9963	Tue	634/00	USB	(AB)
E11	13-9	1205	6923	Tue	465/00	USB	(AB/XAH)
E11	13-9	1230	12530	Tue	334/00	USB	(XAH)
E11	13-9	1430	14972	Tue	911/00	USB	(AB)
E11	13-9	1605	5176	Tue	237/00	USB	(AB/XAH)
E11	14-9	0640	14865	Wed	944/00	USB	(AB)
E11	14-9	0715	15632	Wed	750/00	USB	(AB)
E11	14-9	0745	17410	Wed	348/00	USB	(AB)
E11	14-9	0820	19184	Wed	135/00	USB	(AB-POL)
E11	14-9	0845	12202	Wed	710/00	USB	(AB)
E11	14-9	0900	9968	Wed	532/00	USB	(AB)
E11	14-9	0930	6940	Wed	279/00	USB	(AB)
E11	14-9	1045	7317	Wed	696/00	USB	(AB)
E11	14-9	1205	6923	Wed	465/00	USB	(AB)
E11	14-9	1715	6923	Wed	970/00	USB	(AB)
E11	14-9	1910	4181	Wed	393/00	USB	(AB/XAH)
E11	15-9	0745	14865	Thu	224/00	USB	(AB)
E11	15-9	0820	5941	Thu	439/00	USB	(AB)
E11	15-9	0845	13908	Thu	154/00	USB	(AB/XAH)
E11	15-9	0930	6940	Thu	271/00	USB	(AB)
E11	15-9	1300	5371	Thu	310/00	USB	(AB-POL)
E11	15-9	1900	7317	Thu	643/00	USB	(AB/XAH)
E11	15-9	2000	5737	Thu	524/00	USB	(AB)
E11	16-9	0600	8680	Fri	353/00	USB	(AB)
E11	16-9	0700	8180	Fri	571/00	USB	(AB)
E11	16-9	0715	9963	Fri	634/00	USB	(AB)
E11	16-9	1000	9951	Fri	305/00	USB	(XAH)
E11	16-9	1715	6923	Fri	974/00	USB	(AB/XAH)
E11	16-9	1910	8530	Fri	617/00	USB	(AB/XAH)
E11	17-9	0700	9079	Sat	496/00	USB	(AB)
E11	17-9	1430	14972	Sat	919/00	USB	(AB/MPJ/XAH)
E11	17-9	1910	4181	Sat	391/00	USB	(AB)
E11	18-9	0600	8680	Sun	353/00	USB	(AB)
E11	18-9	0700	9079	Sun	495/00	USB	(AB)
E11	18-9	1605	5176	Sun	230/00	USB	(AB/XAH)
E11	18-9	1745	13470	Sun	249/00	USB	(AB/MPJ/XAH)
E11	18-9	1910	8530	Sun	617/00	USB	(AB/XAH)

E11	18-9	2000	5737	Sun	525/00	USB	(AB/XAH)
E11	19-9	0747	10213	Mon	264/00 Late start	USB	(AB)
E11	19-9	0845	12202	Mon	714/00	USB	(AB)
E11	19-9	1045	7317	Mon	694/00	USB	(AB)
E11	19-9	1900	7317	Mon	641/00	USB	(AB/XAH)
E11	20-9	0645	8423	Tue	519/00	USB	(AB)
E11	20-9	0700	8180	Tue	575/00	USB	(AB)
E11	20-9	0745	14865	Tue	225/00	USB	(AB)
E11	20-9	0820	19184	Tue	131/00	USB	(XAH)
E11	20-9	0845	13908	Tue	154/00	USB	(XAH)
E11	20-9	1205	6923	Tue	460/00	USB	(AB/MPJ)
E11	20-9	1230	12530	Tue	331/00	USB	(AB)
E11	20-9	1605	5176	Tue	232/00	USB	(AB/XAH)
E11	21-9	0745	17410	Wed	344/00	USB	(AB)
E11	21-9	1205	6923	Wed	462/00	USB	(Time)
E11	22-9	0645	8423	Thu	514/00	USB	(AB)
E11	22-9	0745	14865	Thu	223/00	USB	(AB)
E11	22-9	1300	5371	Thu	310/00	USB	(MPJ-POL)
E11	22-9	1530	10330	Thu	260/00	USB	(MPJ/XAH)
E11	22-9	1730	7864	Thu	418/00	USB	(AB/XAH)
E11	22-9	1900	7317	Thu	646/00	USB	(AB/XAH)
E11	22-9	2000	5737	Thu	527/00	USB	(AB)
E11	23-9	0700	8180	Fri	570/00	USB	(AB)
E11	23-9	1000	9951	Fri	307/00	USB	(AB/MPJ/XAH)
E11	23-9	1815	11116	Fri	922/00	USB	(AB/MPJ/XAH)
E11	24-9	1530	4505	Sat	365/00	USB	(AB)
E11	25-9	1530	4505	Sun	366/00	USB	(AB/MPJ/XAH)
E11	25-9	1605	5176	Sun	231/00	USB	(AB/XAH)
E11	25-9	1815	11116	Sun	922/00	USB	(AB/XAH)
E11	25-9	2000	5737	Sun	525/00	USB	(AB/XAH)
E11	26-9	0450	5371	Mon	411/00	USB	(AB)
E11	26-9	0640	14865	Mon	948/00	USB	(AB)
E11	26-9	0715	15632	Mon	759/00	USB	(AB)
E11	26-9	0745	10213	Mon	262/00	USB	(AB)
E11	26-9	0830	15905	Mon	184/00	USB	(AB-POL)
E11	26-9	0845	12202	Mon	719/00	USB	(AB)
E11	26-9	0900	9968	Mon	534/00	USB	(AB)
E11	26-9	1300	5371	Mon	313/00	USB	(AB-POL/XAH)
E11	26-9	1745	13470	Mon	248/00	USB	(AB/XAH)
E11	27-9	0445	10728	Tue	796/00	USB	(AB)
E11	27-9	0645	8423	Tue	519/00	USB	(AB)
E11	27-9	0700	8180	Tue	579/00	USB	(AB)
E11	27-9	0715	9963	Tue	636/00	USB	(AB)
E11	27-9	0845	13908	Tue	157/00	USB	(AB/XAH)

E11	27-9	1205	6923	Tue	460/00	USB	(AB)
E11	27-9	1230	12530	Tue	337/00	USB	(GHn)
E11	27-9	1430	14972	Tue	914/00	USB	(AB)
E11	27-9	1605	5176	Tue	232/00	USB	(AB)
E11	28-9	0315	11092	Wed	256/00	USB	(AB)
E11	28-9	0640	14865	Wed	941/00	USB	(AB)
E11	28-9	0715	15632	Wed	759/00	USB	(AB)
E11	28-9	0845	12202	Wed	718/00	USB	(AB)
E11	28-9	0900	9968	Wed	530/00	USB	(AB)
E11	28-9	0930	6940	Wed	271/00	USB	(AB)
E11	28-9	1205	6923	Wed	465/00	USB	(AB)
E11	28-9	1715	6923	Wed	977/00	USB	(AB/MPJ)
E11	28-9	1910	4181	Wed	391/00	USB	(AB)
E11	29-9	0315	11092	Thu	252/00	USB	(AB-POL)
E11	29-9	0445	10728	Thu	799/00	USB	(AB)
E11	29-9	0645	8423	Thu	514/00	USB	(AB)
E11	29-9	0745	14865	Thu	224/00	USB	(AB)
E11	29-9	0845	13908	Thu	156/00	USB	(AB)
E11	29-9	0930	6940	Thu	277/00	USB	(AB/XAH)
E11	29-9	1230	12530	Thu	333/00	USB	(AB/XAH)
E11	29-9	1300	5371	Thu	313/00	USB	(AB-POL/XAH/MPJ)
E11	29-9	1530	10330	Thu	268/00	USB	(AB/MPJ)
E11	29-9	1730	7864	Thu	416/00	USB	(AB/XAH)
E11	29-9	2000	5737	Thu	520/00	USB	(AB)
E11	30-9	0600	8680	Fri	358/00	USB	(AB)
E11	30-9	0700	8180	Fri	574/00	USB	(AB)
E11	30-9	0715	9963	Fri	635/00	USB	(AB)
E11	30-9	0830	15905	Fri	184/00	USB	(AB-POL)
E11	30-9	1715	6923	Fri	970/00	USB	(AB/XAH/MPJ)
E11	30-9	1815	11116	Fri	924/00	USB	(XAH/MPJ)
E11	30-9	1910	8530	Fri	617/00	USB	(AB/XAH)
E11a	5-9	0830	15905	Mon	189/37 Attention 09807 20476 77042 ... 64431 20473 10457 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	5-9	0845	12202	Mon	710/31 Attention 49635 81426 32946 ... 37052 13078 21447 Attention (message repeated) Out	USB	(AB/Subilo/HFD)
E11a	5-9	1300	5371	Mon	310/39 Attention 55451 02590 39254 ... 03208 85157 87303 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	6-9	0645	8423	Tue	514/35 Attention 22895 75136 45676 ... 75952 96499 67036 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	6-9	0700	8180	Tue	576/32 Attention 18831 61121 14134 ... 26498 59972 30947 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	6-9	0745	14865	Tue	227/35 Attention 83996 26177 79342 ... 52411 01760 33912 Attention (message repeated) Out	USB	(Subilo)
E11a	6-9	0845	13908	Tue	156/35 Attention 26170 66664 87890 ... 21886 82825 13120 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	6-9	1205	6923	Tue	463/33 Attention 60647 17720 01601 ... 83598 96861 59481 Attention (message repeated) Out	USB	(AB/Subilo/HFD)
E11a	6-9	1230	12530	Tue	330/40 Attention 72939 78325 08947 ... 34324 46569 66726 Attention (message repeated) Out	USB	(GHn)
E11a	6-9	1605	5176	Tue	237/35 Attention 66799 16056 71277 ... 69257 87972 18064 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	7-9	0845	12202	Wed	710/31 Attention 49635 81426 32946 ... 37052 13078 21447 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	7-9	1205	6923	Wed	463/33 Attention 60647 17720 01601 ... 83598 96861 59481 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	8-9	0645	8423	Thu	514/35 Attention 22895 75136 45676 ... 75952 96499 67036 Attention (message repeated) Out	USB	(AB)

E11a	8-9	0745	14865	Thu	223/35 Attention 83996 26177 79342 ... 52411 01760 33912 Attention (message repeated) Out	USB	(AB)
E11a	8-9	0845	13908	Thu	156/35 Attention 26170 66664 87890 ... 21886 82825 13120 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	8-9	1230	12530	Thu	330/40 Attention 72939 78325 08947 ... 34324 46569 66726 Attention (message repeated) Out	USB	(AB-POL)
E11a	8-9	1300	5371	Thu	310/39 Attention 55451 02590 39254 ... 03208 85157 87303 Attention (message repeated) Out	USB	(AB-POL/XAH/Subilo)
E11a	8-9	2000	5737	Thu	521/38 Attention 60881 96332 27145 ... 22519 43366 90549 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-9	0700	8180	Fri	576/32 Attention 18831 61121 14134 ... 26498 59972 30947 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-9	0745	14865	Fri	227/35 Attention 83996 26177 79342 ... 52411 01760 33912 Attention (message repeated) Out	USB	(Subilo)
E11a	9-9	0830	15905	Fri	189/37 Attention 09807 20476 77042 ... 64431 20473 10457 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	11-9	1605	5176	Sun	237/35 Attention 66799 16056 71277 ... 69257 87972 18064 Attention (message repeated) Out	USB	(AB-POL/XAH/Subilo)
E11a	11-9	2000	5737	Sun	521/38 Attention 60881 96332 27145 ... 22519 43366 90549 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	12-9	0450	5371	Mon	413/35 Attention 81736 85630 61449 ... 42578 41163 55603 Attention (message repeated) Out	USB	(Subilo)
E11a	12-9	0745	10213	Mon	268/33 Attention 75931 15499 21682 ... 48058 59335 03099 Attention (message repeated) Out	USB	(Subilo)
E11a	14-9	0315	11092	Wed	258/31 Attention 27064 86972 61833 ... 61185 01169 80751 Attention (message repeated) Out	USB	(Subilo)
E11a	15-9	0315	11092	Thu	258/31 Attention 27064 86972 61833 ... 61185 01169 80751 Attention (message repeated) Out	USB	(Subilo)
E11a	15-9	1530	10330	Thu	268/33 Attention 75931 15499 21682 ... 48058 59335 03099 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	15-9	1730	7864	Thu	413/35 Attention 81736 85630 61449 ... 42578 41163 55603 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	16-9	1815	11116	Fri	921/34 Attention 97424 05604 88822 ... 88905 40328 90397 Attention (message repeated) Out	USB	(AB/MPJ/XAH/Su-bilo)
E11a	17-9	1530	4505	Sat	368/35 Attention 88348 14760 93486 ... 98647 74226 45475 Attention (message repeated) Out	USB	(AB/MPJ-POL/XAH/Su-bilo)
E11a	18-9	1530	4505	Sun	368/35 Attention 88348 14760 93486 ... 98647 74226 45475 Attention (message repeated) Out	USB	(AB/MPJ-POL/XAH/Su-bilo)
E11a	18-9	1815	11116	Sun	921/34 Attention 97424 05604 88822 ... 88905 40328 90397 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	19-9	0640	14865	Mon	949/26 Attention 19374 00021 83248 ... 69695 09625 27346 Attention (message repeated) Out	USB	(Subilo)
E11a	19-9	0900	9968	Mon	538/31 Attention 41631 86346 83057 ... 90444 53709 74692 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	19-9	1745	13470	Mon	247/38 Attention 73447 83430 87500 ... 33305 08340 35005 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	20-9	0715	9963	Tue	630/31 Attention 87621 15023 12956 ... 32668 68403 55456 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	20-9	1430	14972	Tue	918/37 Attention 09996 54586 07138 ... 75161 38999 78921 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	21-9	0640	14865	Wed	949/26 Attention 19374 00021 83248 ... 69695 09625 27346 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	21-9	0715	15632	Wed	754/34 Attention 32391 71997 58039 ... 90051 89754 58378 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	21-9	0900	9968	Wed	538/31 Attention 41631 86346 83057 ... 90444 53709 74692 Attention (message repeated) Out	USB	(Subilo)
E11a	21-9	0930	6940	Wed	279/40 Attention 57205 99308 71439 ... 50426 14509 13497 Attention (message repeated) Out	USB	(XAH/Subilo)
E11a	21-9	1715	6923	Wed	974/37 Attention 69051 85851 43037 ... 20802 10036 76916 Attention (message repeated) Out	USB	(AB/MPJ/XAH/Su-bilo)
E11a	21-9	1910	4181	Wed	396/36 Attention 35771 93723 46081 ... 79819 40781 53739 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	22-9	0930	6940	Thu	279/40 Attention 57205 99308 71439 ... 50426 14509 13497 Attention (message repeated) Out	USB	(Subilo)
E11a	23-9	0600	8680	Fri	350/32 Attention 05136 75598 00207 ... 56552 15915 06265 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	23-9	0715	9963	Fri	630/31 Attention 87621 15023 12956 ... 32668 68403 55456 Attention (message repeated) Out	USB	(Subilo)
E11a	23-9	1715	6923	Fri	974/37 Attention 69051 85851 43037 ... 20802 10036 76916 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	23-9	1910	8530	Fri	610/36 Attention 22870 97547 67509 ... 71579 45338 34503 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	24-9	0700	9079	Sat	492/34 Attention 40741 68210 66495 ... 81358 99574 05529 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	24-9	1430	14972	Sat	918/37 Attention 09996 54586 07138 ... 75161 38999 78921 Attention (message repeated) Out	USB	(AB/MPJ/Subilo)
E11a	24-9	1910	4181	Sat	396/36 Attention 35771 93723 46081 ... 79819 40781 53739 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	25-9	0600	8680	Sun	350/32 Attention 05136 75598 00207 ... 56552 15915 06265 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	25-9	0700	9079	Sun	492/34 Attention 40741 68210 66495 ... 81358 99574 05529 Attention (message repeated) Out	USB	(AB/Subilo)

E11a	25-9	1745	13470	Sun	247/38 Attention 73447 83430 87500 ... 33305 08340 35005 Attention (message repeated) Out	USB	(AB/MPJ/XAH/Subilo)
E11a	25-9	1910	8530	Sun	610/36 Attention 22870 97547 67509 ... 71579 45338 34503 Attention (message repeated) Out	USB	(AB/XAH/Subilo)
E11a	26-9	1045	7317	Mon	691/28 Attention 78641 17860 39300 ... 07634 68314 73695 Attention (message repeated) Out	USB	(AB/MPJ/Subilo)
E11a	26-9	1900	7317	Mon	643/36 Attention 64058 13741 75084 ... 44706 70333 96258 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	27-9	0820	19184	Tue	132/30 Attention 71998 48137 43752 ... 10455 62895 94454 Attention (message repeated) Out	USB	(AB-POL/XAH/Subilo)
E11a	27-9	1000	9951	Tue	300/36 Attention 88326 45767 56248 ... 56466 06559 53747 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-9	0745	17410	Wed	344/31 Attention 76016 62345 51706 ... 97597 32478 39659 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	28-9	0820	19184	Wed	132/30 Attention 71998 48137 43752 ... 10455 62895 94454 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	28-9	1045	7317	Wed	691/28 Attention 78641 17860 39300 ... 07634 68314 73695 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	29-9	0820	5941	Thu	438/31 Attention 81062 57676 17920 ... 80920 52701 49262 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	29-9	1900	7317	Thu	643/36 Attention 64058 13741 75084 ... 44706 70333 96258 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	30-9	0745	17410	Fri	344/31 Attention 76016 62345 51706 ... 97597 32478 39659 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	30-9	0820	5941	Fri	438/31 Attention 81062 57676 17920 ... 80920 52701 49262 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	30-9	1000	9951	Fri	300/36 Attention 88326 45767 56248 ... 56466 06559 53747 Attention (message repeated) Out	USB	(AB/MPJ/Subilo)
F01	1-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	1-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/HFD)
F01	1-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/HFD)
F01	2-9	1015	9128	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	2-9	1025	7546	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	2-9	1035	5113	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	5-9	1015	9128	Mon	Russian diplo/intel. 53313 22060 66403 ... 84079 53688 66409 00000 +++++ +++++ +++++ Wrong shift	FSK 200/1000	(AB-BLR)
F01	5-9	1025	7546	Mon	Russian diplo/intel. 53313 22060 66403 ... 84079 53688 66409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	5-9	1035	5113	Mon	Russian diplo/intel. 53313 22060 66403 ... 84079 53688 66409 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	7-9	1015	9128	Wed	Russian diplo/intel. 69857 73282 50996 ... 34977 66460 69415 00000 +++++ +++++ +++++	FSK 200/1000	(AB-RUS)
F01	7-9	1025	7546	Wed	Russian diplo/intel. 69857 73282 50996 ... 34977 66460 69415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	7-9	1035	5113	Wed	Russian diplo/intel. 69857 73282 50996 ... 34977 66460 69415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	7-9	1840	13467	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-9	1850	11084	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	7-9	1900	9052	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	8-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	9-9	1015	9128	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	9-9	1025	7546	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	9-9	1035	5113	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	14-9	1015	9128	Wed	Russian diplo/intel. 81381 18173 80735 ... 31262 80164 75425 00000 +++++ +++++	FSK 200/1000	(AB-RUS)
F01	14-9	1025	7546	Wed	Russian diplo/intel. 81381 18173 80735 ... 31262 80164 75425 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	14-9	1035	5113	Wed	Russian diplo/intel. 81381 18173 80735 ... 31262 80164 75425 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	15-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	15-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	15-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	19-9	1015	9128	Mon	Russian diplo/intel. 29072 26364 96189 ... 99698 53369 78415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	19-9	1025	7546	Mon	Russian diplo/intel. 29072 26364 96189 ... 99698 53369 78415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)

F01	19-9	1035	5113	Mon	Russian diplo/intel. 29072 26364 96189 ... 99698 53369 78415 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	20-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	20-9	1025	7546	Tue	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	20-9	1035	5113	Tue	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	21-9	1015	9128	Wed	Russian diplo/intel. 32497 54226 36979 ... 28023 47813 81423 00000 +++++	FSK 200/1000	(Time)
F01	21-9	1025	7546	Wed	Russian diplo/intel. 32497 54226 36979 ... 28023 47813 81423 00000 +++++	FSK 200/500	(Time)
F01	21-9	1035	5113	Wed	Russian diplo/intel. 32497 54226 36979 ... 28023 47813 81423 00000 +++++	FSK 200/500	(Time)
F01	22-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	22-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	22-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(Time)
F01	23-9	1015	9128	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	23-9	1025	7546	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	23-9	1035	5113	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	26-9	1015	9128	Mon	Russian diplo/intel. 47955 41811 15260 ... 64016 74547 84443 00000 +++++ +++++	FSK 200/500	(AB-BLR)
F01	26-9	1025	7546	Mon	Russian diplo/intel. 47955 41811 15260 ... 64016 74547 84443 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	26-9	1035	5113	Mon	Russian diplo/intel. 47955 41811 15260 ... 64016 74547 84443 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	27-9	1015	9128	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	27-9	1025	7546	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	27-9	1035	5113	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	28-9	1015	9128	Wed	Russian diplo/intel. 09240 90874 43959 ... 15451 32806 87439 00000 +++++ +++++ +++++	FSK 200/1000	(AB-RUS)
F01	28-9	1025	7546	Wed	Russian diplo/intel. 09240 90874 43959 ... 15451 32806 87439 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	28-9	1035	5113	Wed	Russian diplo/intel. 09240 90874 43959 ... 15451 32806 87439 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	29-9	1015	9128	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-9	1025	7546	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	29-9	1035	5113	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	30-9	1015	9128	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	30-9	1025	7546	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F01	30-9	1035	5113	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
F02	5-9	0831	12155	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	5-9	0831	13392	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	12-9	0831	12155	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	12-9	0831	13392	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	26-9	0830	12155	Mon	Russian net. QSK 13392 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	26-9	0830	13392	Mon	Russian net. QSK 12155 kHz	MFSK-4/150Bd/4000Hz	(AB)
F02	26-9	0900	16082	Mon	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F03j	1-9	0135	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0140	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0635	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0640	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0800	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0805	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0835	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-9	0840	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0135	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	2-9	0140	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0800	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0805	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-9	0135	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-9	0140	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-9	0135	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-9	0140	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0135	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0140	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0615	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0620	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0950	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-9	0955	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0135	4181	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0140	4181	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0635	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0640	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0835	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0840	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0845	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	0850	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	1100	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-9	1105	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-9	0950	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-9	0955	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-9	1100	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-9	1105	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0135	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0140	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0635	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0640	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0800	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0805	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0835	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-9	0840	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0135	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0140	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0800	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	9-9	0805	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-9	0135	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-9	0140	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-9	0135	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-9	0140	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-9	0135	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-9	0140	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	0950	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	0955	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	1100	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-9	1105	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-9	0800	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-9	0805	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-9	0835	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/XAH)
F03j	15-9	0840	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-9	0135	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-9	0140	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-9	0135	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-9	0140	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0615	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0620	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0950	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-9	0955	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-9	0635	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-9	0640	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-9	0850	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
F03j	20-9	0855	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(Time)
F03j	20-9	1100	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
F03j	20-9	1105	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(MPJ)
F03j	21-9	0615	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-9	0620	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)

F03j	23-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	24-9	0135	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-9	0140	4181	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-9	0135	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-9	0140	4181	Sun	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0135	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0140	4181	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0615	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0620	16125	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0950	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-9	0955	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0135	4181	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0140	4181	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0635	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0640	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0810	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0815	9339	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0835	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0840	13046	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0845	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	0850	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	1100	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-9	1105	6849	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0135	4181	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0140	4181	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0615	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0620	16125	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0950	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	0955	10210	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	1100	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-9	1105	6849	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0135	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0140	4181	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0635	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0640	14975	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0800	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0805	5409	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0835	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-9	0840	13046	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0135	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	30-9	0140	4181	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0800	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0805	5409	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0850	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0855	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-9	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	1-9	0615	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03l	1-9	0620	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03l	1-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	1-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	1-9	0755	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03l	1-9	0800	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03l	1-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	1-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	1-9	1335	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03l	1-9	1340	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03l	1-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	1-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0735	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0740	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0810	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0815	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1335	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1340	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1500	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	2-9	1505	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	3-9	0735	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	3-9	0740	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	3-9	1335	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	3-9	1340	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	4-9	0735	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	4-9	0740	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	4-9	1335	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ-HOL)
F03l	4-9	1340	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ-HOL)
F03l	5-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	5-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	5-9	0810	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	5-9	0815	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03l	5-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	5-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1030	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1035	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1335	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1340	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	5-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	0615	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	6-9	0620	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	6-9	0720	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/PY)
F03I	6-9	0725	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/PY)
F03I	6-9	0735	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	0740	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	1335	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	1340	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	1500	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6-9	1505	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0735	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0740	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1030	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1035	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1335	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7-9	1340	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	0615	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	8-9	0620	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	8-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	1335	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	1340	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	0735	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	9-9	0740	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	0810	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	0815	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1335	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1340	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1500	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9-9	1505	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-9	0735	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-9	0740	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-9	1335	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	10-9	1340	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-9	0735	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-9	0740	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-9	1335	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11-9	1340	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	0810	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	0815	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	1335	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	1340	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	12-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0615	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	13-9	0620	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	13-9	0720	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0725	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0735	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	0740	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	1335	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	1340	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	1500	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13-9	1505	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	0735	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	0740	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	14-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1030	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1035	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1335	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14-9	1340	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0720	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0725	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	1335	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	1340	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	15-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-9	0735	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-9	0740	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	16-9	1500	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	16-9	1505	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-9	0735	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-9	0740	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	17-9	1335	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	17-9	1340	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-9	0735	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-9	0740	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	18-9	1335	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	18-9	1340	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	19-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	0810	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(VSh)
F03I	19-9	0815	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(VSh)
F03I	19-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1030	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1035	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	19-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0720	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	20-9	0725	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0735	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0740	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	20-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz	(Time)
F03I	20-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz	(Time)
F03I	20-9	1335	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	20-9	1340	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	20-9	1500	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	20-9	1505	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(MPJ)
F03I	21-9	0735	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-9	0740	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-9	1335	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	21-9	1340	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0720	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0725	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	22-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	22-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-9	1335	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-9	1340	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	23-9	1500	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	23-9	1505	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-9	0735	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-9	0740	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	24-9	1335	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	24-9	1340	10641	Sat	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-9	0735	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-9	0740	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	25-9	1335	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	25-9	1340	10641	Sun	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-9	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	0810	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	0815	12385	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	26-9	1030	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)

F03I	26-9	1035	7377	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-9	1335	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-9	1340	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-9	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	26-9	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	27-9	0615	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	27-9	0620	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	27-9	0720	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/PY)
F03I	27-9	0725	10125	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/PY)
F03I	27-9	0735	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	0740	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	1335	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	1340	10641	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	1500	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	27-9	1505	7984	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0430	11104	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0435	11104	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0735	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0740	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	1030	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	1035	7377	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	28-9	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	28-9	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	28-9	1335	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	28-9	1340	10641	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-9	0430	11104	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0435	11104	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0615	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	29-9	0620	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	29-9	0720	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0725	10125	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	29-9	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	1335	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-9	1340	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	29-9	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	29-9	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0735	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0740	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0810	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0815	12385	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	30-9	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-9	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-9	1335	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-9	1340	10641	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-9	1500	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03I	30-9	1505	7984	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F06	1-9	0600	13503	Thu	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-RUS)
F06	1-9	0610	11109	Thu	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-J)
F06	1-9	0620	12223	Thu	Russian diplo/intel. 11166 40122 63785 27017 03029 and 11166 40122 14396 27018 02749	FSK 200/1000	(AB-J)
F06	1-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB-RUS)
F06	1-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB-RUS)
F06	1-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB-RUS)
F06	1-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB)
F06	1-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB-RUS)
F06	1-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 96358 01095 01599 and 11166 70202 64853 01096 02099	FSK 200/1000	(AB-RUS)
F06	2-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 98154 02042 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	2-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 98154 02042 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	2-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 98154 02042 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	4-9	1530	14455	Sun	Russian diplo/intel. 11166 10053 85423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/XAH)
F06	4-9	1540	12065	Sun	Russian diplo/intel. 11166 10053 85423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	4-9	1550	10426	Sun	Russian diplo/intel. 11166 10053 85423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	5-9	0400	8163	Mon	Russian diplo/intel. 11166 70059 85632 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-9	0410	7450	Mon	Russian diplo/intel. 11166 70059 85632 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-9	0420	6789	Mon	Russian diplo/intel. 11166 70059 85632 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB-RUS)
F06	5-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB-RUS)
F06	5-9	0720	5264	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB-RUS)
F06	5-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB)
F06	5-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB-RUS)
F06	5-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 45826 02097 02119	FSK 200/1000	(AB-RUS)
F06	5-9	1739	9300	Mon	Russian diplo/intel. RYRYRYRYRYRY repeated many times over 13 minutes, no follow-up transmission	FSK 200/1000	(PY)
F06	6-9	0030	10247	Tue	Russian diplo/intel. 11166 60070 54879 06075 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	6-9	0040	9128	Tue	Russian diplo/intel. 11166 60070 54879 06075 00049 00000 00000 00000 000000	FSK 200/1000	(AB)

F06	6-9	0050	8085	Tue	Russian diplo/intel. 11166 60070 54879 06075 00049 00000 00000 00000 000000	FSK 200/1000	(AB)
F06	6-9	0700	8183	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB-RUS)
F06	6-9	0710	6839	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB-RUS)
F06	6-9	0720	5264	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB-RUS)
F06	6-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB)
F06	6-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB-RUS)
F06	6-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 91358 05098 01699 and 11166 70202 64753 05099 02199	FSK 200/1000	(AB-RUS)
F06	6-9	1650	14828	Tue	Russian diplo/intel. 11166 10053 35719 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-9	1700	12214	Tue	Russian diplo/intel. 11166 10053 35719 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-9	1710	10534	Tue	Russian diplo/intel. 11166 10053 35719 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	7-9	0610	13503	Wed	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	7-9	0620	11109	Wed	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	7-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB-RUS)
F06	7-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB-RUS)
F06	7-9	0720	5264	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB-RUS)
F06	7-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB)
F06	7-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB-RUS)
F06	7-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 36952 05001 02319	FSK 200/1000	(AB-RUS)
F06	8-9	0600	15930	Thu	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	8-9	0610	13503	Thu	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	8-9	0620	11109	Thu	Russian diplo/intel. 11166 40122 73251 03019 03539	FSK 200/1000	(AB-J)
F06	8-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB-RUS)
F06	8-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB-RUS)
F06	8-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB-RUS)
F06	8-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB)
F06	8-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB-RUS)
F06	8-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 36985 07002 01679 and 11166 70202 14258 07003 01699	FSK 200/1000	(AB-RUS)
F06	9-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 12457 09054 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 12457 09054 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 12457 09054 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11-9	1530	14455	Sun	Russian diplo/intel. 11166 10053 45213 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-9	1540	12065	Sun	Russian diplo/intel. 11166 10053 45213 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-9	1550	10426	Sun	Russian diplo/intel. 11166 10053 45213 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB-RUS)
F06	12-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB-RUS)
F06	12-9	0720	5264	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB-RUS)
F06	12-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB)
F06	12-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB-RUS)
F06	12-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 94312 09004 02139	FSK 200/1000	(AB-RUS)
F06	13-9	0700	8183	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB-RUS)
F06	13-9	0710	6839	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB-RUS)
F06	13-9	0720	5264	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB-RUS)
F06	13-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB)

F06	13-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB-RUS)
F06	13-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 14758 12005 02039 and 11166 70202 95137 12006 01739	FSK 200/1000	(AB-RUS)
F06	13-9	1250	11055	Tue	Russian diplo/intel. 11166 30154 25863 13022 00049 00000 00000 00000 00000	FSK 200/1000	(T101)
F06	13-9	1650	14828	Tue	Russian diplo/intel. 11166 10053 76985 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-9	1700	12214	Tue	Russian diplo/intel. 11166 10053 76985 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-9	1710	10534	Tue	Russian diplo/intel. 11166 10053 76985 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB-RUS)
F06	14-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB-RUS)
F06	14-9	0720	5264	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB-RUS)
F06	14-9	0915	20949	Wed	Russian diplo/intel. 11166 40023 78541 14001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-9	0930	16327	Wed	Russian diplo/intel. 11166 40023 78541 14001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-9	0945	14825	Wed	Russian diplo/intel. 11166 40023 78541 14001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	14-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB)
F06	14-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB-RUS)
F06	14-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 15478 13007 02739	FSK 200/1000	(AB-RUS)
F06	15-9	0600	15930	Thu	Russian diplo/intel. 11166 40122 84625 10020 03029 and 11166 40122 38219 10021 02769	FSK 200/1000	(AB-J)
F06	15-9	0610	13503	Thu	Russian diplo/intel. 11166 40122 84625 10020 03029 and 11166 40122 38219 10021 02769	FSK 200/1000	(AB-J)
F06	15-9	0620	11109	Thu	Russian diplo/intel. 11166 40122 84625 10020 03029 and 11166 40122 38219 10021 02769	FSK 200/1000	(AB-J)
F06	15-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(AB-RUS)
F06	15-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(AB-RUS)
F06	15-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(AB-RUS)
F06	15-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(VSh)
F06	15-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(VSh)
F06	15-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 86721 14008 01399 and 11166 70202 69421 14009 02239	FSK 200/1000	(VSh)
F06	16-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 13468 16111 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 13468 16111 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 13468 16111 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	18-9	1530	14455	Sun	Russian diplo/intel. 11166 10053 15973 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18-9	1540	12065	Sun	Russian diplo/intel. 11166 10053 15973 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18-9	1550	10426	Sun	Russian diplo/intel. 11166 10053 15973 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 39874 16010 02159	FSK 200/1000	(AB-RUS)
F06	19-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 39874 16010 02159	FSK 200/1000	(AB-RUS)
F06	19-9	0720	5264	Mon	Russian diplo/intel. 11166 70202 39874 16010 02159	FSK 200/1000	(AB-RUS)
F06	19-9	1030	19509	Mon	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(T101/VSh)
F06	19-9	1040	16247	Mon	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(T101/VSh)
F06	19-9	1050	13836	Mon	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(PY/VSh)
F06	20-9	0700	8183	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(AB-RUS)
F06	20-9	0710	6839	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(AB-RUS)
F06	20-9	0720	5264	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(AB-RUS)
F06	20-9	1030	19509	Tue	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(PY)
F06	20-9	1040	16247	Tue	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(PY)
F06	20-9	1050	13836	Tue	Russian diplo/intel. 11166 10042 84531 19016 02129	FSK 200/1000	(PY)
F06	20-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(Time)
F06	20-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(Time)

F06	20-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 25846 19011 01599 and 11166 70202 31265 19012 01659	FSK 200/1000	(Time)
F06	20-9	1650	14828	Tue	Russian diplo/intel. 11166 10053 74563 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-9	1700	12214	Tue	Russian diplo/intel. 11166 10053 74563 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-9	1710	10534	Tue	Russian diplo/intel. 11166 10053 74563 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(AB-RUS)
F06	21-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(AB-RUS)
F06	21-9	0720	5264	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(AB-RUS)
F06	21-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(Time)
F06	21-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(Time)
F06	21-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 15472 20013 02279	FSK 200/1000	(AB-RUS)
F06	22-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 93154 21014 01579 and 11166 70202 94671 21015 01639	FSK 200/1000	(AB-RUS)
F06	22-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 93154 21014 01579 and 11166 70202 94671 21015 01639	FSK 200/1000	(AB-RUS)
F06	22-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 93154 21014 01579 and 11166 70202 94671 21015 01639	FSK 200/1000	(AB-RUS)
F06	23-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 45623 23045 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	23-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 45623 23045 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	23-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 45623 23045 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	25-9	1530	14455	Sun	Russian diplo/intel. 11166 10053 03495 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-9	1540	12065	Sun	Russian diplo/intel. 11166 10053 03495 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-9	1550	10426	Sun	Russian diplo/intel. 11166 10053 03495 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-9	0700	8183	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB-RUS)
F06	26-9	0710	6839	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB-RUS)
F06	26-9	0720	5264	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB-RUS)
F06	26-9	1200	9188	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB/MPJ)
F06	26-9	1210	7673	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB-RUS/MPJ)
F06	26-9	1220	5872	Mon	Russian diplo/intel. 11166 70202 18472 23016 02199	FSK 200/1000	(AB-RUS/MPJ)
F06	27-9	0030	10427	Tue	Russian diplo/intel. 11166 60070 15973 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	0040	9128	Tue	Russian diplo/intel. 11166 60070 15973 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	0050	8085	Tue	Russian diplo/intel. 11166 60070 15973 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	0700	8183	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	0710	6839	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	0720	5264	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	1200	9188	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	1210	7673	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	1220	5872	Tue	Russian diplo/intel. 11166 70202 93154 26017 01399 and 11166 70202 94671 26018 02139	FSK 200/1000	(AB-RUS)
F06	27-9	1250	11055	Tue	Russian diplo/intel. 11166 30154 25389 27025 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-9	1650	14828	Tue	Russian diplo/intel. 11166 10053 23654 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	1700	12214	Tue	Russian diplo/intel. 11166 10053 23654 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-9	1710	10534	Tue	Russian diplo/intel. 11166 10053 23654 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-9	0600	15930	Wed	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	28-9	0610	13503	Wed	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	28-9	0620	11109	Wed	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	28-9	0700	8183	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB-RUS)
F06	28-9	0710	6839	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB-RUS)
F06	28-9	0720	5264	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB-RUS)

F06	28-9	0915	20949	Wed	Russian diplo/intel. 11166 40023 46852 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-9	0930	16327	Wed	Russian diplo/intel. 11166 40023 46852 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-9	0945	14825	Wed	Russian diplo/intel. 11166 40023 46852 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-9	1200	9188	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB)
F06	28-9	1210	7673	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB-RUS)
F06	28-9	1220	5872	Wed	Russian diplo/intel. 11166 70202 18526 27019 02179	FSK 200/1000	(AB-RUS)
F06	29-9	0600	15930	Thu	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	29-9	0610	13503	Thu	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	29-9	0620	11109	Thu	Russian diplo/intel. 11166 40122 96310 24022 03699	FSK 200/1000	(AB-J)
F06	29-9	0700	8183	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	29-9	0710	6839	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	29-9	0720	5264	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	29-9	1200	9188	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	29-9	1210	7673	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	29-9	1220	5872	Thu	Russian diplo/intel. 11166 70202 74956 28020 01519 and 11166 70202 28915 28021 01899	FSK 200/1000	(AB-RUS)
F06	30-9	0700	8183	Fri	Russian diplo/intel. 11166 70202 89532 30057 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	30-9	0710	6839	Fri	Russian diplo/intel. 11166 70202 89532 30057 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	30-9	0720	5264	Fri	Russian diplo/intel. 11166 70202 89532 30057 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06a	1-9	0400	6797	Thu	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	1-9	0415	5314	Thu	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	1-9	0430	4859	Thu	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	2-9	0400	6797	Fri	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	2-9	0415	5314	Fri	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	2-9	0430	4859	Fri	Russian diplo/intel. File 04443	FSK 200/1000	(AB)
F06a	3-9	2100	16329	Sat	Russian diplo/intel. File 04436	FSK 200/1000	(AB)
F06a	3-9	2115	12217	Sat	Russian diplo/intel. File 04436	FSK 200/1000	(AB)
F06a	3-9	2130	11125	Sat	Russian diplo/intel. File 04436	FSK 200/1000	(AB)
F06a	4-9	2100	16329	Sun	Russian diplo/intel. File 04436	FSK 200/1000	(AB-RUS)
F06a	4-9	2115	12217	Sun	Russian diplo/intel. File 04436	FSK 200/1000	(AB)
F06a	4-9	2130	11125	Sun	Russian diplo/intel. File 04436	FSK 200/1000	(AB/RL)
F06a	8-9	0400	6797	Thu	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	8-9	0415	5314	Thu	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	8-9	0430	4859	Thu	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	9-9	0400	6797	Fri	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	9-9	0415	5314	Fri	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	9-9	0430	4859	Fri	Russian diplo/intel. File 04444	FSK 200/1000	(AB)
F06a	10-9	2100	16329	Sat	Russian diplo/intel. File 04437	FSK 200/1000	(AB-RUS/RL)
F06a	10-9	2115	12217	Sat	Russian diplo/intel. File 04437	FSK 200/1000	(AB)
F06a	10-9	2130	11125	Sat	Russian diplo/intel. File 04437	FSK 200/1000	(AB/RL)
F06a	11-9	2100	16329	Sun	Russian diplo/intel. File 04437	FSK 200/1000	(AB-RUS)
F06a	11-9	2115	12217	Sun	Russian diplo/intel. File 04437	FSK 200/1000	(AB)
F06a	11-9	2130	11125	Sun	Russian diplo/intel. File 04437	FSK 200/1000	(AB)
F06a	17-9	2100	16329	Sat	Russian diplo/intel. File 04438	FSK 200/1000	(AB-RUS)
F06a	17-9	2115	12217	Sat	Russian diplo/intel. File 04438	FSK 200/1000	(AB)

F06a	17-9	2130	11125	Sat	Russian diplo/intel. File 04438	FSK 200/1000	(AB)
F06a	18-9	2100	16329	Sun	Russian diplo/intel. File 04438	FSK 200/1000	(AB-RUS/RL)
F06a	18-9	2115	12217	Sun	Russian diplo/intel. File 04438	FSK 200/1000	(AB/RL)
F06a	18-9	2130	11125	Sun	Russian diplo/intel. File 04438	FSK 200/1000	(AB/RL)
F06a	24-9	2100	16329	Sat	Russian diplo/intel. File 04439	FSK 200/1000	(AB)
F06a	24-9	2115	12217	Sat	Russian diplo/intel. File 04439	FSK 200/1000	(AB)
F06a	24-9	2130	11125	Sat	Russian diplo/intel. File 04439	FSK 200/1000	(AB)
F06a	25-9	2100	16329	Sun	Russian diplo/intel. File 04439	FSK 200/1000	(AB-RUS)
F06a	25-9	2115	12217	Sun	Russian diplo/intel. File 04439	FSK 200/1000	(AB)
F06a	25-9	2130	11125	Sun	Russian diplo/intel. File 04439	FSK 200/1000	(AB)
F06a	29-9	0400	6797	Thu	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
F06a	29-9	0415	5314	Thu	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
F06a	29-9	0430	4859	Thu	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
F06a	30-9	0400	6797	Fri	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
F06a	30-9	0415	5314	Fri	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
F06a	30-9	0430	4859	Fri	Russian diplo/intel. File 44447	FSK 200/1000	(AB)
HM01	1-9	1645	11435	Thu	i.p. 57617 00448 28703 14543 05248 85741 Files 81765761.TXT 36730044.F1G 54862870.TXT 20271454.TXT 13780524.TXT 43008574.TXT callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	1-9	1659	11530	Thu	57617 00448 28703 14543 05248 85741	AM/WinDRM	(AB-USA)
HM01	1-9	1805	11635	Thu	57617 00448 28703 14543 05248 85741	AM/WinDRM	(RR2)
HM01	2-9	2200	10715	Fri	57617 00448 28703 14543 05248 85741	WinDRM	(RR2)
HM01	3-9	1611	11435	Sat	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	4-9	1630	11435	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA/RR2)
HM01	4-9	2200	10715	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RL)
HM01	5-9	1600	11435	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	5-9	1653	11530	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	6-9	0637	14375	Tue	i.p. 57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(EW)
HM01	6-9	1822	11635	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	6-9	2100	16180	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	7-9	1600	11435	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	7-9	1706	11530	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept) Late start	AM/WinDRM	(AB-USA)
HM01	7-9	1730	11530	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	7-9	2200	10715	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RL)
HM01	8-9	1559	11435	Thu	57617 00448 28703 14543 05248 85741	AM/WinDRM	(AB-USA/RR2)
HM01	9-9	1650	11435	Fri	57617 00448 28703 14543 05248 85741	AM/WinDRM	(RR2)
HM01	9-9	1759	11635	Fri	57617 00448 28703 14543 05248 85741	AM/WinDRM	(AB-USA)
HM01	9-9	2200	10715	Fri	57617 00448 28703 14543 05248 85741	AM/WinDRM	(RL)
HM01	10-9	1557	11435	Sat	briefly Radio Habana Cuba, at 1559z: 57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	11-9	1600	11435	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA/RR2)
HM01	12-9	1650	11530	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	12-9	1800	11635	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	12-9	2200	10715	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RL)
HM01	13-9	1630	11435	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	13-9	1817	11635	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)

HM01	14-9	1600	11435	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA/RR2)
HM01	15-9	1630	11435	Thu	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	16-9	1620	11435	Fri	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	16-9	1700	11530	Fri	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	17-9	1610	11435	Sat	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	17-9	1640	11435	Sat	i.p. 57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	18-9	1558	11435	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA/RR2/XAH)
HM01	19-9	1600	11435	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	19-9	1700	11530	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	19-9	2200	10715	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RL)
HM01	20-9	1700	11530	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	21-9	1600	11435	Wed	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA/RR2)
HM01	22-9	1600	11435	Thu	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	23-9	1600	11435	Fri	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	23-9	2200	10715	Fri	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RL)
HM01	24-9	1700	11530	Sat	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	24-9	1717	11530	Sat	i.p. 57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	25-9	1630	11435	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	25-9	1658	11530	Sun	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	26-9	1600	11435	Mon	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
HM01	27-9	1600	11435	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(AB-USA)
HM01	27-9	1730	11530	Tue	57617 00448 28703 14543 05248 85741 (repeat of 1 Sept)	AM/WinDRM	(RR2)
M01	1-9	1800	5475	Thu	025 (R) 463 (R) 579 579 30 30 94632 46371 93463 ... 67381 84561 47182 579 579 30 30 000	CW	(AB-BLR/MPJ-HOL/HFD)
M01	1-9	2000	5020	Thu	463 317 317 30 30 64781 46532 46517 ... 90471 78395 55546 317 317 30 30 000	CW	(AB/XAH.HFD)
M01	3-9	1500	6260	Sat	463 397 397 30 30 == 81758 01970 84957 ... 28609 65489 01759 == 397 397 30 30 000	CW	(AB/XAH)
M01	3-9	1500	6260	Sat	463-397/30=81758	CW	(HFD)
M01	4-9	0700	6510	Sun	463 128 128 30 30 == 27564 91758 73619 ... 71859 65748 91758 == 128 128 30 30 000	CW	(AB-FIN/HFD)
M01	6-9	1800	5475	Tue	463 112 112 30 30 == 10298 20012 42014 ... 20394 20394 10399 == 112 112 30 30 000	CW	(AB-BLR)
M01	6-9	2002	5020	Tue	463 404 404 30 30 000 73628 10293 30920 ... 94093 46378 84900 == 404 404 30 30 000	CW	(AB)
M01	8-9	1800	5475	Thu	463 717 717 30 30 == 76587 24354 10098 ... 57687 09089 36543 == 717 717 30 30 000	CW	(AB-BLR)
M01	8-9	2000	5020	Thu	463 921 921 30 30 == 47658 98098 14325 ... 69878 15423 45654 == 921 921 30 30 000	CW	(AB)
M01	11-9	0700	6510	Sun	463 307 307 30 30 == 63827 46546 85921 05983 73285 ...	CW	(AB-FIN)
M01	13-9	1800	5475	Tue	463 821 821 30 30 == 75648 91657 75680 ... 13246 97080 87095 == 821 821 30 30 000	CW	(AB-RUS)
M01	13-9	2002	5020	Tue	463 311 311 30 30 == 71840 74562 90579 ... 71153 54637 65470 == 311 311 30 30 000	CW	(AB)
M01	15-9	1800	5475	Thu	463 876 876 30 30 == 47893 01847 83761 ... 91637 16390 17281 == 876 876 30 30 000	CW	(AB-BLR)
M01	17-9	1500	6260	Sat	463 421 421 30 30 == 34598 34987 53567 ... 48376 30823 64186 == 421 421 30 30 000 Harmonic on 12520 kHz	CW	(AB-RUS/MPJ-FIN/XAH)
M01	18-9	0700	6510	Sun	463 903 903 30 30 == 93857 39271 64783 ... 64829 38291 06472 == 903 903 30 30 000	CW	(AB-RUS)
M01	20-9	1800	5475	Tue	463 650 650 30 30 == 09098 68758 69879 ... 24311 87876 59840 == 650 650 30 30 000	CW	(AB-POL)
M01	20-9	2002	5020	Tue	463 747 747 30 30 == 87576 10198 30987 ... 50912 46356 45676 == 747 747 30 30 000	CW	(AB)
M01	22-9	1805	5475	Thu	463 (R) 256 256 30 30 == 97364 30498 20398 ... 52413 30295 20238 30487 == 256 256 30 000	CW	(AB/MPJ)
M01	24-9	1500	6260	Sat	Different repeats. Many mistakes. 463 == 248 248 30 30 == 57657 48789 02090 ... 97956 23243 49809 == 248 248 30 30 000	CW	(AB-RUS/MPJ)
M01	25-9	0700	6510	Sun	463 428 428 30 30 == 65764 35425 14325 ... 09890 14325 56476 == 428 428 30 30 000	CW	(AB-RUS)

M01	27-9	1800	5475	Tue	463 755 755 30 30 = = 33546 86970 11009 ... 68790 98200 14325 = = 755 755 30 30 000	CW	(AB)
M01	27-9	2002	5020	Tue	463 895 895 30 30 = = message	CW	(AB)
M01	29-9	1800	5475	Thu	463 670 30 30 = = 38727 36474 76029 ... 28576 27160 83726 = = 671 671 30 30 000	CW	(AB-BLR/MPJ)
M01	29-9	2000	5020	Thu	463 408 30 30 = = 74673 84732 75638 ... 19487 37265 94184 = = 408 408 30 30 000	CW	(AB)
M12	1-9	0700	10836	Thu	811 811 811 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J/HFD)
M12	1-9	0720	10136	Thu	811 811 811 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J/HFD)
M12	1-9	0740	9136	Thu	811 811 811 1 394 144 394 144 88164 46524 56308 ... 80121 97668 16091 000 000	CW	(AB-J/HFD)
M12	1-9	1110	13386	Thu	725 725 725 1 3050 98 3050 98 92094 50272 96296 ... 88998 88423 85736 000 000	CW	(AB/MPJ/HFD)
M12	1-9	1130	12189	Thu	725 725 725 1 3050 98 3050 98 92094 50272 96296 ... 88998 88423 85736 000 000	CW	(AB/MPJ/HFD)
M12	1-9	1150	11491	Thu	725 725 725 1 3050 98 3050 98 92094 50272 96296 ... 88998 88423 85736 000 000	CW	(AB/MPJ/HFD)
M12	1-9	1600	19546	Thu	543 543 543 000	CW	(AB/XAH/HFD)
M12	1-9	1620	18446	Thu	543 543 543 000	CW	(AB/XAH/HFD)
M12	1-9	2000	11109	Thu	385 385 385 000	CW	(AB/RL/HFD)
M12	1-9	2020	10309	Thu	385 385 385 000	CW	(AB/RL/HFD)
M12	1-9	2110	9246	Thu	218 218 218 000	CW	(AB/RL/HFD)
M12	1-9	2130	8146	Thu	218 218 218 000	CW	(AB/RL/HFD)
M12	2-9	0800	13894	Fri	878 878 878 000	CW	(AB/HFD)
M12	2-9	0820	14794	Fri	878 878 878 000	CW	(AB/HFD)
M12	2-9	1900	13367	Fri	315 315 315 000	CW	(AB/HFD)
M12	2-9	1920	12167	Fri	315 315 315 000	CW	(BR/HFD)
M12	2-9	2100	7961	Fri	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/HFD)
M12	2-9	2120	6861	Fri	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/HFD)
M12	2-9	2140	5861	Fri	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/HFD)
M12	3-9	1800	11435	Sat	938 938 938 1 7527 73 7527 73 13096 54875 25558 ... 62381 80519 05893 000 000	CW	(AB/XAH/HFD)
M12	3-9	1820	10598	Sat	938 938 938 1 7527 73 7527 73 13096 54875 25558 ... 62381 80519 05893 000 000	CW	(AB/HFD)
M12	3-9	1840	9327	Sat	938 938 938 1 7527 73 7527 73 13096 54875 25558 ... 62381 80519 05893 000 000	CW	(AB/HFD)
M12	3-9	2100	7961	Sat	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	3-9	2120	6861	Sat	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	3-9	2140	5861	Sat	988 988 988 1 879 98 879 98 46119 62573 70652 ... 99463 20730 23573 000 000	CW	(AB/RL)
M12	3-9	2210	12218	Sat	212 212 212 000	CW	(HFD)
M12	3-9	2230	11118	Sun	212 212 212 000	CW	(HFD)
M12	4-9	1600	14927	Sun	992 992 992 000	CW	(AB/MPJ/XAH/HFD)
M12	4-9	1620	13927	Sun	992 992 992 000	CW	(AB/MPJ/HFD)
M12	4-9	1620	13927	Sun	992:0	CW	(HFD)
M12	5-9	1230	12205	Mon	973 973 973 1 9434 60 9434 60 91846 69722 18421 ... 99041 26101 82291 000 000	CW	(AB/HFD)
M12	5-9	1250	13559	Mon	973 973 973 1 9434 60 9434 60 91846 69722 18421 ... 99041 26101 82291 000 000	CW	(AB/HFD)
M12	5-9	1310	14728	Mon	973 973 973 1 9434 60 9434 60 91846 69722 18421 ... 99041 26101 82291 000 000	CW	(AB/HFD)
M12	5-9	1600	19546	Mon	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	5-9	1620	18446	Mon	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	5-9	1640	16346	Mon	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	5-9	2000	11109	Mon	385 385 385 000	CW	(AB/RL)
M12	5-9	2020	10309	Mon	385 385 385 000	CW	(AB/RL)
M12	5-9	2110	9246	Mon	218 218 218 000	CW	(AB/RL)
M12	5-9	2130	8146	Mon	218 218 218 000	CW	(AB/RL)

M12	6-9	0030	6942	Tue	912 912 912 000	CW	(AB/HFD)
M12	6-9	0050	8142	Tue	912 912 912 000	CW	(AB/HFD)
M12	6-9	0800	13894	Tue	878 878 878 000	CW	(AB)
M12	6-9	0820	14794	Tue	878 878 878 000	CW	(AB)
M12	7-9	1600	14927	Wed	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)
M12	7-9	1620	13927	Wed	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)
M12	7-9	1640	12227	Wed	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)
M12	7-9	1900	13367	Wed	315 315 315 000	CW	(AB)
M12	7-9	1920	12167	Wed	315 315 315 000	CW	(BR)
M12	7-9	2210	12218	Wed	212 212 212 1 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	7-9	2230	11118	Wed	212 212 212 1 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	7-9	2250	10218	Wed	212 212 212 1 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	8-9	0700	10836	Thu	811 811 811 1 8320 148 8320 148 03234 57248 94277 ... 23159 53639 43152 000 000	CW	(AB-J)
M12	8-9	0720	10136	Thu	811 811 811 1 8320 148 8320 148 03234 57248 94277 ... 23159 53639 43152 000 000	CW	(AB-J)
M12	8-9	0740	9136	Thu	811 811 811 1 8320 148 8320 148 03234 57248 94277 ... 23159 53639 43152 000 000	CW	(AB-J)
M12	8-9	1110	13386	Thu	725 725 725 1 7720 90 7720 90 70560 58887 70449 ... 74215 27913 92566 000 000	CW	(AB)
M12	8-9	1130	12189	Thu	725 725 725 1 7720 90 7720 90 70560 58887 70449 ... 74215 27913 92566 000 000	CW	(AB)
M12	8-9	1150	11491	Thu	725 725 725 1 7720 90 7720 90 70560 58887 70449 ... 74215 27913 92566 000 000	CW	(AB)
M12	8-9	1600	19546	Thu	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	8-9	1620	18446	Thu	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	8-9	1640	16346	Thu	543 543 543 1 3866 108 3866 108 03365 50618 ... 90681 65349 05711 000 000	CW	(AB)
M12	8-9	2000	11109	Thu	385 385 385 000	CW	(AB/RL)
M12	8-9	2020	10309	Thu	385 385 385 000	CW	(AB/RL)
M12	8-9	2110	9246	Thu	218 218 218 000	CW	(AB/RL)
M12	8-9	2130	8146	Thu	218 218 218 000	CW	(AB/RL)
M12	9-9	0030	6942	Fri	912 912 912 000	CW	(AB)
M12	9-9	0050	8142	Fri	912 912 912 000	CW	(AB)
M12	9-9	0800	13894	Fri	878 878 878 000	CW	(AB)
M12	9-9	0820	14794	Fri	878 878 878 000	CW	(AB)
M12	9-9	1900	13367	Fri	315 315 315 000	CW	(AB)
M12	9-9	1920	12167	Fri	315 315 315 000	CW	(BR)
M12	9-9	2100	7961	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB/RL)
M12	9-9	2120	6861	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB/RL)
M12	9-9	2140	5861	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB/RL)
M12	10-9	1800	11435	Sat	938 938 938 1 9234 75 9234 75 46953 88788 44725 ... 23751 69068 69136 000 000	CW	(AB)
M12	10-9	1820	10598	Sat	938 938 938 1 9234 75 9234 75 46953 88788 44725 ... 23751 69068 69136 000 000	CW	(AB)
M12	10-9	1840	9327	Sat	938 938 938 1 9234 75 9234 75 46953 88788 44725 ... 23751 69068 69136 000 000	CW	(AB)
M12	10-9	2100	7961	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	10-9	2120	6861	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB/RL)
M12	10-9	2140	5861	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	10-9	2210	12218	Sat	212 212 212 1 859 88 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	10-9	2230	11118	Sat	212 212 212 1 859 88 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	10-9	2250	10218	Sat	212 212 212 1 859 88 859 88 78869 26764 09543 ... 17688 08284 00180 000 000	CW	(RL)
M12	11-9	1600	14927	Sun	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)

M12	11-9	1620	13927	Sun	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)
M12	11-9	1640	12227	Sun	992 992 992 1 149 78 149 78 52192 14584 38880 ... 81541 51729 00390 000 000	CW	(AB)
M12	12-9	0010	14942	Mon	991 991 991 1 ...	CW	(HFD-RUS)
M12	12-9	0030	13942	Mon	991 991 991 1 ...	CW	(HFD-RUS)
M12	12-9	0050	12142	Mon	991 991 991 1 ...	CW	(HFD-RUS)
M12	12-9	2000	11109	Mon	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB/RL)
M12	12-9	2020	10309	Mon	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB/RL)
M12	12-9	2040	9209	Mon	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB/RL)
M12	12-9	2110	9246	Mon	218 218 218 1 7990 151 7990 151 74025 39324 73201 ...76075 52171 59078 000 000	CW	(AB)
M12	12-9	2130	8146	Mon	218 218 218 1 7990 151 7990 151 74025 39324 73201 ...76075 52171 59078 000 000	CW	(AB)
M12	12-9	2150	6846	Mon	218 218 218 1 7990 151 7990 151 74025 39324 73201 ...76075 52171 59078 000 000	CW	(AB)
M12	14-9	1600	14927	Wed	992 992 992 000	CW	(AB)
M12	14-9	1620	13927	Wed	992 992 992 000	CW	(AB)
M12	14-9	1900	13367	Wed	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/HFD)
M12	14-9	1920	12167	Wed	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/HFD)
M12	14-9	1940	10567	Wed	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/HFD)
M12	15-9	1600	19546	Thu	543 543 543 000	CW	(AB)
M12	15-9	1620	18446	Thu	543 543 543 000	CW	(AB)
M12	15-9	2000	11109	Thu	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB)
M12	15-9	2020	9209	Thu	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB)
M12	15-9	2020	10309	Thu	385 385 385 1 3702 86 3702 86 01914 98484 46650 ... 74441 29328 34208 000 000	CW	(AB)
M12	16-9	1900	13367	Fri	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/MPJ)
M12	16-9	1920	12167	Fri	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/MPJ)
M12	16-9	1940	10567	Fri	315 315 315 1 578 108 578 108 61948 48390 52275 ... 41334 27920 39796 000 000	CW	(AB/MPJ)
M12	16-9	2100	7961	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	16-9	2120	6861	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	16-9	2140	5861	Fri	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	17-9	1800	11435	Sat	938 938 938 1 2434 79 2434 79 32447 83253 18164 ... 72442 13454 97508 000 000	CW	(AB)
M12	17-9	1820	10598	Sat	938 938 938 1 2434 79 2434 79 32447 83253 18164 ... 72442 13454 97508 000 000	CW	(AB)
M12	17-9	1840	9327	Sat	938 938 938 1 2434 79 2434 79 32447 83253 18164 ... 72442 13454 97508 000 000	CW	(AB)
M12	17-9	2100	7961	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	17-9	2120	6861	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	17-9	2140	5861	Sat	988 988 988 1 925 96 925 96 33843 45810 52204 ... 28325 36788 18112 000 000	CW	(AB)
M12	18-9	1600	14927	Sun	992 992 992 000	CW	(AB/MPJ)
M12	18-9	1620	13927	Sun	992 992 992 000	CW	(AB/MPJ)
M12	19-9	1600	19546	Mon	543 543 543 1 655 88 655 88 57484 18087 64867 ... 86214 03579 47616 000 000	CW	(AB)
M12	19-9	1620	18446	Mon	543 543 543 1 655 88 655 88 57484 18087 64867 ... 86214 03579 47616 000 000	CW	(AB)
M12	19-9	1640	16346	Mon	543 543 543 1 655 88 655 88 57484 18087 64867 ... 86214 03579 47616 000 000	CW	(AB)
M12	19-9	2000	11109	Mon	385 385 385 000	CW	(AB/RL)
M12	19-9	2020	10309	Mon	385 385 385 000	CW	(AB/RL)
M12	19-9	2110	9246	Mon	218 218 218 000	CW	(AB/RL)
M12	19-9	2130	8146	Mon	218 218 218 000	CW	(AB/RL)
M12	20-9	0800	13894	Tue	878 878 878 000	CW	(AB/XAH)
M12	20-9	0820	14794	Tue	878 878 878 000	CW	(Time)

M12	21-9	1600	14927	Wed	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	21-9	1620	13927	Wed	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	21-9	1640	12227	Wed	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	21-9	1900	13367	Wed	315 315 315 000	CW	(AB/XAH)
M12	21-9	1920	12167	Wed	315 315 315 000	CW	(AB)
M12	22-9	1110	13386	Thu	725 725 725 1 6858 92 6758 92 68962 47371 02766 ... 89047 42344 11243 000 000	CW	(MPJ)
M12	22-9	1130	12189	Thu	725 725 725 1 6858 92 6758 92 68962 47371 02766 ... 89047 42344 11243 000 000	CW	(MPJ)
M12	22-9	1150	11491	Thu	725 725 725 1 6858 92 6758 92 68962 47371 02766 ... 89047 42344 11243 000 000	CW	(MPJ)
M12	22-9	2000	11109	Thu	385 385 385 000	CW	(AB)
M12	22-9	2020	10309	Thu	385 385 385 000	CW	(AB)
M12	22-9	2110	9246	Thu	218 218 218 000	CW	(AB)
M12	22-9	2130	8146	Thu	218 218 218 000	CW	(AB)
M12	23-9	1900	13367	Fri	315 315 315 000	CW	(AB/RL)
M12	23-9	1920	12167	Fri	315 315 315 000	CW	(BR/RL)
M12	23-9	2100	7961	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	23-9	2120	6861	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	23-9	2140	5861	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	24-9	1800	11435	Sat	938 938 938 1 3706 74 3706 74 75757 79417 11327 ... 00368 66855 32933 000 000	CW	(AB)
M12	24-9	1820	10598	Sat	938 938 938 1 3706 74 3706 74 75757 79417 11327 ... 00368 66855 32933 000 000	CW	(AB)
M12	24-9	1840	9327	Sat	938 938 938 1 3706 74 3706 74 75757 79417 11327 ... 00368 66855 32933 000 000	CW	(AB)
M12	24-9	2100	7961	Sat	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	24-9	2120	6861	Sat	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	24-9	2140	5861	Sat	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	25-9	1600	14927	Sun	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	25-9	1620	13927	Sun	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	25-9	1640	12227	Sun	992 992 992 1 672 82 672 82 87437 18700 87750 ... 45568 68987 98935 000 000	CW	(AB/MPJ)
M12	26-9	1230	12205	Mon	973 973 973 1 5199 60 5199 60 69823 27838 34722 ... 94952 11952 41287 000 000	CW	(AB/MPJ)
M12	26-9	1250	13559	Mon	973 973 973 1 5199 60 5199 60 69823 27838 34722 ... 94952 11952 41287 000 000	CW	(AB/MPJ)
M12	26-9	1310	14728	Mon	973 973 973 1 5199 60 5199 60 69823 27838 34722 ... 94952 11952 41287 000 000	CW	(AB/MPJ)
M12	26-9	1600	19546	Mon	543 543 543 000	CW	(AB)
M12	26-9	1620	18446	Mon	543 543 543 000	CW	(AB)
M12	26-9	2000	11109	Mon	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	26-9	2020	10309	Mon	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	26-9	2040	9209	Mon	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	26-9	2110	9246	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	26-9	2110	9246	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	26-9	2130	8146	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	26-9	2130	8146	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	26-9	2150	6846	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	26-9	2150	6846	Mon	218 218 218 1 2281 97 2281 97 81378 18720 93176 ... 83329 80052 83638 000 000	CW	(AB)
M12	27-9	0030	6942	Tue	912 912 912 000	CW	(AB)
M12	27-9	0050	8142	Tue	912 912 912 000	CW	(AB)
M12	27-9	0700	10836	Tue	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-RUS)
M12	27-9	0720	10136	Tue	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-RUS)

M12	27-9	0740	9136	Tue	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-RUS)
M12	27-9	0800	13894	Tue	878 878 878 000	CW	(AB)
M12	27-9	0820	14794	Tue	878 878 878 000	CW	(AB)
M12	28-9	1600	14927	Wed	992 992 992 000	CW	(AB/MPJ)
M12	28-9	1620	13927	Wed	992 992 992 000	CW	(AB/MPJ)
M12	28-9	1900	13367	Wed	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(AB)
M12	28-9	1920	12167	Wed	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(BR)
M12	28-9	1940	10567	Wed	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(BR)
M12	29-9	0700	10836	Thu	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-J)
M12	29-9	0720	10136	Thu	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-J)
M12	29-9	0740	9136	Thu	811 811 811 1 125 176 125 176 50682 97633 82267 ... 87290 01475 19408 000 000	CW	(AB-J)
M12	29-9	1110	13386	Thu	725 725 725 1 4878 96 4878 96 21844 51184 12163 ... 26875 31180 02640 000 000	CW	(AB/MPJ)
M12	29-9	1130	12189	Thu	725 725 725 1 4878 96 4878 96 21844 51184 12163 ... 26875 31180 02640 000 000	CW	(AB/MPJ)
M12	29-9	1150	11491	Thu	725 725 725 1 4878 96 4878 96 21844 51184 12163 ... 26875 31180 02640 000 000	CW	(AB/MPJ)
M12	29-9	1600	19546	Thu	543 543 543 000	CW	(AB/MPJ)
M12	29-9	1620	18446	Thu	543 543 543 000	CW	(AB/MPJ)
M12	29-9	2000	11109	Thu	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	29-9	2020	10309	Thu	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	29-9	2040	9209	Thu	385 385 385 1 8804 94 8804 94 91200 81327 19016 ... 74515 98480 49660 000 000	CW	(AB)
M12	30-9	0030	6942	Fri	912 912 912 000	CW	(AB)
M12	30-9	0050	8142	Fri	912 912 912 000	CW	(AB)
M12	30-9	0800	13894	Fri	878 878 878 000	CW	(AB)
M12	30-9	0820	14794	Fri	878 878 878 000	CW	(AB)
M12	30-9	1900	13367	Fri	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(AB)
M12	30-9	1920	12167	Fri	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(BR)
M12	30-9	1940	10567	Fri	315 315 315 1 5935 88 5935 88 01182 00939 53213 ... 96992 79560 47611 000 000	CW	(BR)
M12	30-9	2100	7961	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	30-9	2120	6861	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M12	30-9	2140	5861	Fri	988 988 988 1 9537 130 9537 130 74681 19916 42939 ... 15850 93750 21526 000 000	CW	(AB)
M14	1-9	0500	12211	Thu	952 304 304 56 56 == 64598 60583 96692 ... 60996 15907 06 off after gr 38. Wrong group count	CW	(AB-J)
M14	1-9	0520	10243	Thu	952 304 304 55 55 == 64598 60583 96692 ... 14952 76745 99770 == 304 304 55 55 (no closing nulls)	CW	(AB-J)
M14	2-9	0500	12211	Fri	952 671 671 52 52 == 64598 60583 96692 ... 22739 99975 90446 == 671 671 52 52 (no closing nulls)	CW	(AB-J)
M14	2-9	0520	10243	Fri	No transmission. Carrier at 0524z for 30 secs, then off	CW	(AB-J)
M14	5-9	0500	12211	Mon	952 803 803 55 55 == 63263 29900 39684 ... 41189 76096 12389 == 803 803 55 55 (no closing nulls)	CW	(AB)
M14	5-9	0520	10243	Mon	952 803 803 55 55 == 63263 29900 39684 ... 41189 76096 12389 == 803 803 55 55 (no closing nulls)	CW	(AB)
M14	6-9	0500	12211	Tue	952 147 147 53 53 == 79553 72501 86124 ... 06172 49274 76844 == 147 147 53 53 (no closing nulls) Several restarts during the callup	CW	(AB-J)
M14	6-9	0520	10243	Tue	952 147 147 53 53 == 79553 72501 86124 ... 06172 49274 76844 == 147 147 53 53 (no closing nulls)	CW	(AB-J)
M14	7-9	0500	12211	Wed	952 386 386 40 40 == 06270 99263 99803 ... 50610 12030 96805 == 386 386 40 40 (no closing nulls)	CW	(AB-J)
M14	7-9	0520	10243	Wed	No transmission	CW	(AB-J)
M14	8-9	0500	12211	Thu	952 123 123 54 54 == 58408 44230 35194 ... 09875 00582 99 off after gr 42	CW	(AB-J)
M14	8-9	0524	10243	Thu	952 123 123 54 54 == 58408 44230 35194 ... 99575 03151 55841 == 123 123 54 54 (no closing nulls)	CW	(AB-J)
M14	9-9	0500	12211	Fri	952 637 637 52 52 == 07179 49255 02843 ... 49521 93406 48436 == 637 637 52 52 (no closing nulls)	CW	(AB-J)
M14	9-9	0520	10243	Fri	952 637 637 52 52 == 07179 49255 02843 ... 49521 93406 48436 == 637 637 52 52 (no closing nulls)	CW	(AB-J)

M14	12-9	0500	12211	Mon	952 840 840 65 65 == 58764 82929 26817 ... Off after group 42	CW	(Subilo)
M14	12-9	0522	10243	Mon	952 840 840 65 65 == 58764 82929 26817 ... 35283 40000 63906 == 840 840 65 65 (no closing nulls) Late start	CW	(Subilo)
M14	13-9	0500	12211	Tue	952 (R4) then off	CW	(Subilo)
M14	13-9	0523	10243	Tue	Late start 952 (R4) then off	CW	(Subilo)
M14	14-9	0500	12211	Wed	952 384 384 61 61 == 78403 51997 25408 ... Off after group xx. Interference and deep fading. Last part unreadable	CW	(Subilo)
M14	14-9	0523	10243	Wed	952 384 384 61 61 == 78403 51997 25408 ... 65924 (unreadable) Late start. Lost web sdr after group 23	CW	(Subilo)
M14	16-9	0500	12211	Fri	Inverted morse until 0502z. 952 378 378 61 61 == 47590 90488 94148 ... 63345 42050 02001 16 seconds pause, then 00000 repeated for 2 minutes.	CW	(Subilo)
M14	16-9	0520	10243	Fri	952 378 378 61 61 == 47590 90488 94148 ... 02001 33538 73302 == 378 378 61 61 00000	CW	(Subilo)
M14	19-9	0500	12211	Mon	952 401 401 52 52 == 62045 32016 23129 ... Off after group 48	CW	(Subilo)
M14	19-9	0523	10243	Mon	952 401 401 52 52 == 62045 32016 23129 ... 47920 37081 23373 == 401 401 52 52 (no closing nulls) Late start	CW	(Subilo)
M14	20-9	0500	12211	Tue	No transmission	CW	(Subilo)
M14	20-9	0523	10243	Tue	952 837 837 51 51 == 91234 88232 62640 ... 48542 78787 12456 == 837 837 51 51 (no closing nulls) Late start	CW	(Subilo)
M14	21-9	0500	12211	Wed	952 in inverted morse for 1m40s, then a carrier. No message	CW	(Subilo)
M14	21-9	0520	10243	Wed	Carrier only	CW	(Subilo)
M14	22-9	0500	12211	Thu	The whole message was in inverted morse	CW	(Subilo)
M14	22-9	0523	10243	Thu	952 370 370 53 53 == 59148 64193 14163 ... 01089 46672 14785 == 370 370 53 53 (no closing nulls) Late start	CW	(Subilo)
M14	23-9	0500	12211	Fri	952 126 126 51 51 == 97250 40136 82943 ... Off after group 48	CW	(Subilo)
M14	23-9	0523	10243	Fri	952 126 126 51 51 == 97250 40136 82943 ... Late start. Off after group 43	CW	(Subilo)
M14	26-9	0500	12211	Mon	952 130 130 54 54 == 28134 54298 90267 ... off after gr 47	CW	(AB)
M14	26-9	0523	10243	Mon	952 130 130 54 54 == 28134 54298 90267 ... 02656 36420 07989 == 130 130 54 54 (no closing nulls) Late start	CW	(AB)
M14	27-9	0500	12211	Tue	952 748 748 60 60 == 27112 41145 51162 ... Off after group 53	CW	(AB-J)
M14	27-9	0523	10243	Tue	952 748 748 60 60 == 27112 41145 51162 ... 49820 11078 63964 == 748 748 60 60 (no closing nulls) Late start	CW	(AB-J)
M14	28-9	0500	12211	Wed	952 601 601 52 52 == 09227 58840 42802 ... 79096 46767 7540 == 601 601 52 52 (no closing nulls) Off after group 48	CW	(AB-J)
M14	28-9	0523	10243	Wed	952 601 601 52 52 == 09227 58840 42802 ... 79096 46767 7540 == 601 601 52 52 (no closing nulls) Late start. Gr 48 was not the same at 0500z	CW	(AB-J)
M14	29-9	0500	12211	Thu	952 834 834 51 51 == 16987 47599 88667 ... Off after 48	CW	(AB-J)
M14	29-9	0523	10243	Thu	952 834 834 51 51 == 16987 47599 88667 ... 78432 76592 94422 == 834 834 51 51 (no closing nulls) Late start	CW	(AB-J)
M14	30-9	0500	12211	Fri	952 716 716 63 63 == 94678 13919 46031 ... Off after group 4 for 1m10s, no restart, hence groups 5-11 are missing	CW	(AB-J)
M14	30-9	0520	10243	Fri	952 716 716 63 63 == 94678 13919 46031 ... 12176 52979 23114 == 716 716 63 63 (no closing nulls)	CW	(AB-J)
M21	21-9	1853	4628	Wed	=992153??8????? =992154??8????? =992155??8????? =992156??8????? =992157??8????? =992158??8?????	CW	(AB)
M21	27-9	1722	4628	Tue	=992022??8????? =992023??8????? =992024??8?????	CW	(AB)
M32a	27-9	1404	8737	Tue	RMP: Russian navy Kaliningrad: REO REO REO DE RMP RMP QTC 235 21 27 1236 235 = 11111 15683 80230 ... 13461 82286 27020 +	CW	(AB)

M42	1-9	0718	17514	Thu	Russian diplo/intel.	MFSK-66	(RO)
M42	1-9	0723	14474	Thu	Russian diplo/intel.	Serdolik-v2	(RO)
M42	1-9	0724	12092	Thu	Russian diplo/intel.	Serdolik-v2	(RO)
M42	1-9	0729	17514	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	1-9	0729	11088	Thu	Russian diplo/intel.	MFSK-66	(RO)
M42	1-9	0930	18195	Thu	MFA Moscow msg to Russian Consulate General Ho Chi Minh City	MFSK-66	(AB)
M42	1-9	0931	18197	Thu	Russian diplo/intel.	MFSK-66	(RO)
M42	1-9	0932	19183	Thu	Russian diplo/intel.	MFSK-66	(RO)
M42	5-9	1229	9186	Mon	Russian net	OFDM-93	(AB)
M42	6-9	0752	16197	Tue	Russian diplo/intel.	MFSK-66	(RO)
M42	7-9	0707	14452	Wed	Russian diplo	Serdolik-v2	(RO)
M42	7-9	0811	17452	Wed	Russian diplo/intel.	MFSK-66	(RO)
M42	7-9	0920	12207	Wed	Russian diplo/intel.	OFDM-112	(AB)
M42	7-9	1104	14650	Wed	Russian diplo	Serdolik-v2	(RO)
M42	7-9	1238	13857	Wed	Russian diplo/intel.	MFSK-66	(RO)
M42	15-9	1922	3801	Thu	Russian net	OFDM-60	(AB)
M42	16-9	1200	14712	Fri	Russian intel.	8x62.5Bd QPSK	(VSh)
M42	19-9	1050	10932	Mon	Russian net.	OFDM-12	(AB)
M42	23-9	1213	10256	Fri	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	23-9	1223	10256	Fri	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	23-9	1233	10256	Fri	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	23-9	1245	10256	Fri	Russian intel.	5xMFSK-16+250Bd BPSK 512	(VSh)
M42	23-9	1305	10256	Fri	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	26-9	0730	9142	Mon	Russian intel.	8x62.5Bd QPSK+250Bd BPSK	(AB/VSh)
M42	26-9	0740	10256	Mon	Russian intel.	8x62.5Bd QPSK+250Bd BPSK	(AB/VSh)
M42	26-9	0750	11431	Mon	Russian intel.	8x62.5Bd QPSK+250Bd BPSK	(AB/VSh)
M42	26-9	0800	9142	Mon	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	26-9	0810	10256	Mon	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	26-9	0820	11431	Mon	Russian intel.	MFSK-16/96tones +250Bd BPSK	(VSh)
M42	26-9	0830	9142	Mon	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB/VSh)
M42	26-9	0832	13423	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	26-9	0840	10256	Mon	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB/VSh)

M42	26-9	0850	11431	Mon	Russian intel.	5x10Bd 16FSK+250Bd BPSK	(AB/VSh)
M42	26-9	0900	9142	Mon	Russian intel.	2x62.5Bd QPSK	(AB/VSh)
M42	26-9	0910	10256	Mon	Russian intel.	2x62.5Bd QPSK	(AB/VSh)
M42	26-9	0920	11431	Mon	Russian intel.	2x62.5Bd QPSK	(AB/VSh)
M42	26-9	1140	9142	Mon	Russian intel.	2x62.5Bd QPSK	(AB/VSh)
M42	26-9	1150	10256	Mon	Russian intel. Transmitter noise only	USB	(VSh)
M42	26-9	1200	11431	Mon	Russian intel.	2x62.5Bd QPSK	(AB/VSh)
M42	26-9	1210	9142	Mon	Russian intel. Transmitter noise only	USB	(VSh)
M42	26-9	1220	13462	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	26-9	1220	10256	Mon	Russian intel. Short 1000Hz beep only	USB	(VSh)
M42	26-9	1230	11431	Mon	Russian intel.	8x62.5Bd QPSK	(AB/VSh)
M42	26-9	1235	16117	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	26-9	1240	11562	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	26-9	1250	9142	Mon	Russian intel.	8x62.5Bd QPSK	(AB/VSh)
M42	26-9	1255	12175	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	26-9	1300	10256	Mon	Russian intel.	8x62.5Bd QPSK	(AB/VSh)
M42	26-9	1310	11431	Mon	Russian intel.	8x62.5Bd QPSK	(AB/VSh)
M42b	7-9	1145	17464	Wed	unid wkg RHO 11100 30109 54827 07129 05003 and 11100 30109 78452 07130 05003 CFM K QRQ 100 K QBN K BK QBN QRQ 100 K NIL SK SK	FSK 100/500/FSK CW	(VSh)
M89	6-9	1808	4034	Tue	V JM7D (x3) DE CD2D (x2)	CW	(JPL)
M89	6-9	1820	4860	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6-9	1820	6840	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6-9	1825	3596	Tue	V QYE2 (x3) DE 9WV (x2)	CW	(JPL)
M89	24-9	1553	4034	Sat	V JM7D (x3) DE CD2D (x2) VVV FF CQ . NR.. RMKS 7601 TO 4839/4888 UGT COMM	CW	(JPL)
M89	24-9	1611	3596	Sat	V QYE2 (x3) DE 9WV (x2) 4888	CW	(JPL)
M89	24-9	1611	4888	Sat	V QYE2 (x3) DE 9WV (x2) //3596	CW	(JPL)
M89	24-9	1620	4860	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	24-9	1620	6840	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	24-9	1630	4720	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	24-9	1630	5150	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M95	6-9	1803	4178	Tue	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	6-9	1803	7517	Tue	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	10-9	0924	9153	Sat	V BNEC BNEC BNEC DE XSV70 XSV70 HR MSG TO YR PSE NOTE CY NR 703 CK 485 109 101 500 ... ZNN SK	CW	(VSh)
M95	24-9	1615	4178	Sat	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	24-9	1615	7517	Sat	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
MX	1-9	1738	4465	Thu	Beacon V	CW	(AB-RUS)
MX	1-9	1741	3657	Thu	Beacon V	CW	(AB-KWT)
MX	22-9	2020	5153.7	Thu	Beacon D, Sevastopol	CW	(XAH)
MX	22-9	2020	5153.9	Thu	Beacon S, Sevoromorsk	CW	(XAH)
MX	22-9	2020	5154.1	Thu	Beacon A, Astrakhan	CW	(XAH)
MX	22-9	2020	7039.4	Thu	Beacon M, Magadan	CW	(XAH)
MX	22-9	2020	8494.9	Thu	Beacon S, Sevoromorsk	CW	(XAH)
MX	22-9	2020	10871.7	Thu	Beacon D, Sevastopol	CW	(XAH)

MX	22-9	2020	10872.1	Thu	Beacon A, Astrakhan	CW	(XAH)
MX	22-9	2020	13527.7	Thu	Beacon D, Sevastopol	CW	(XAH)
MX	22-9	2020	13527.9	Thu	Beacon S, Sevromorsk	CW	(XAH)
MX	29-9	1340	13527.7	Thu	Beacon D, Sevastopol	CW	(MPJ)
P03	1-9	1935	6940	Thu	Polish intel.	BPSK	(AB)
P03	1-9	1940	6940	Thu	Polish intel.	BPSK	(AB)
P03	2-9	1935	6940	Fri	Polish intel.	PSK	(AB)
P03	2-9	1940	6940	Fri	Polish intel.	PSK	(AB)
P03	4-9	1935	6940	Sun	Polish intel.	BPSK	(AB)
P03	4-9	1940	6940	Sun	Polish intel. mixing with XPB1	BPSK	(AB)
P03	5-9	1935	6940	Mon	Polish intel.	BPSK	(AB)
P03	5-9	1940	6940	Mon	Polish intel.	BPSK	(AB)
P03	6-9	1935	6940	Tue	Polish intel.	BPSK	(AB)
P03	6-9	1940	6940	Tue	Polish intel. mixing with XBP1	BPSK	(AB)
P03	7-9	1935	6940	Wed	Polish intel.	BPSK	(AB)
P03	7-9	1940	6940	Wed	Polish intel.	BPSK	(AB)
P03	8-9	1935	6940	Thu	Polish intel.	BPSK	(AB)
P03	8-9	1940	6940	Thu	Polish intel.	BPSK	(AB)
P03	9-9	1935	6940	Fri	Polish intel.	PSK	(AB)
P03	9-9	1940	6940	Fri	Polish intel.	PSK	(AB)
P03	11-9	1935	6940	Sun	Polish intel.	BPSK	(AB)
P03	11-9	1940	6940	Sun	Polish intel.	BPSK	(AB)
P03	12-9	1935	6940	Mon	Polish intel.	BPSK	(AB)
P03	12-9	1940	6940	Mon	Polish intel.	BPSK	(AB)
P03	14-9	1935	6940	Wed	Polish intel.	BPSK	(AB)
P03	14-9	1940	6940	Wed	Polish intel.	BPSK	(AB)
P03	15-9	1935	6940	Thu	Polish intel.	BPSK	(AB)
P03	15-9	1940	6940	Thu	Polish intel.	BPSK	(AB)
P03	16-9	1935	6940	Fri	Polish intel.	PSK	(AB)
P03	16-9	1940	6940	Fri	Polish intel.	PSK	(AB)
P03	17-9	1935	6940	Sat	Polish intel.	BPSK	(AB)
P03	17-9	1940	6940	Sat	Polish intel.	BPSK	(AB)
P03	18-9	1935	6940	Sun	Polish intel.	BPSK	(AB)
P03	18-9	1940	6940	Sun	Polish intel.	BPSK	(AB)
P03	19-9	1935	6940	Mon	Polish intel.	BPSK	(AB)
P03	19-9	1940	6940	Mon	Polish intel.	BPSK	(AB)
P03	20-9	1935	6940	Tue	Polish intel.	BPSK	(AB)
P03	20-9	1940	6940	Tue	Polish intel.	BPSK	(AB)
P03	21-9	1935	6940	Wed	Polish intel.	BPSK	(AB)
P03	21-9	1940	6940	Wed	Polish intel.	BPSK	(AB)
P03	22-9	1935	6940	Thu	Polish intel.	BPSK	(AB)
P03	22-9	1940	6940	Thu	Polish intel.	BPSK	(AB)
P03	23-9	1935	6940	Fri	Polish intel.	PSK	(AB)
P03	23-9	1940	6940	Fri	Polish intel.	PSK	(AB)

P03	24-9	1935	6940	Sat	Polish intel.	BPSK	(AB)
P03	24-9	1940	6940	Sat	Polish intel.	BPSK	(AB)
P03	25-9	1935	6940	Sun	Polish intel.	BPSK	(AB)
P03	25-9	1940	6940	Sun	Polish intel.	BPSK	(AB)
P03	26-9	1935	6940	Mon	Polish intel.	BPSK	(AB)
P03	26-9	1940	6940	Mon	Polish intel.	BPSK	(AB)
P03	27-9	1935	6940	Tue	Polish intel.	BPSK	(AB)
P03	27-9	1940	6940	Tue	Polish intel.	BPSK	(AB)
P03	28-9	1935	6940	Wed	Polish intel.	BPSK	(AB)
P03	28-9	1940	6940	Wed	Polish intel.	BPSK	(AB)
P03	29-9	1935	6940	Thu	Polish intel.	BPSK	(AB)
P03	29-9	1940	6940	Thu	Polish intel.	BPSK	(AB)
P03	30-9	1935	6940	Fri	Polish intel.	PSK	(AB)
P03	30-9	1940	6940	Fri	Polish intel.	PSK	(AB)
P03e	2-9	1515	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	2-9	1520	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	4-9	1515	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	4-9	1520	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	4-9	1725	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	4-9	1730	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-9	1725	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	6-9	1730	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	7-9	0530	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	7-9	0535	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	9-9	1515	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	9-9	1520	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-9	1515	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-9	1520	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-9	1725	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	11-9	1730	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13-9	1725	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13-9	1730	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	16-9	1515	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	16-9	1520	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	18-9	1515	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	18-9	1520	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	18-9	1725	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	18-9	1730	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	20-9	1725	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	20-9	1730	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	21-9	0530	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	21-9	0535	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	23-9	1515	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	23-9	1520	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)

P03e	25-9	1515	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	25-9	1520	14972	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	25-9	1725	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	25-9	1730	5409	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	26-9	0530	13911	Mon	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	26-9	0535	13911	Mon	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	27-9	1725	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	27-9	1730	5409	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	28-9	0530	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	28-9	0535	13911	Wed	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	30-9	1515	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	30-9	1520	14972	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03g	1-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	1-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	6-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-9	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-9	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-9	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	29-9	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03k	1-9	1950	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-9	1955	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-9	0530	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-9	0535	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-9	1100	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-9	1105	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	0630	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	0635	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1200	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1205	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1310	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1315	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-9	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	3-9	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	4-9	0530	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	0535	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	0630	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	0635	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1100	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1105	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1200	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1205	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1220	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1225	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1950	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-9	1955	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-9	1220	8544	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-9	1225	8544	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-9	1230	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-9	1235	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1310	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1315	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-9	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-9	1950	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-9	1955	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	0530	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	0535	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	1100	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-9	1105	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	0630	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	0635	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1200	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1205	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1230	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1235	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1310	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1315	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-9	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	0630	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	0635	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1100	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1105	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1200	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-9	1205	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	11-9	1220	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1225	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	11-9	1950	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-9	1955	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	1310	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	1315	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-9	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-9	1950	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-9	1955	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-9	0630	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-9	0635	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-9	1200	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1205	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1230	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	17-9	1235	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	17-9	1310	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1315	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	17-9	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-9	0530	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	0535	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	0630	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	0635	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	1100	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-9	1105	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	18-9	1200	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	18-9	1205	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	18-9	1220	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	1225	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	1950	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-9	1955	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-9	1230	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-9	1235	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-9	1310	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-9	1315	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-9	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	21-9	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-9	1950	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-9	1955	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-9	1100	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	23-9	1105	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	0630	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	0635	7600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-9	1200	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1205	5082	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	24-9	1230	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1235	15795	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1310	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1315	10213	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1800	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-9	1805	4356	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-9	0530	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	0535	9200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	0630	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	0635	7600	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1100	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1105	8180	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1200	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1205	5082	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1220	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1225	8544	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1950	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-9	1955	5371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-9	1220	8544	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-9	1225	8544	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-9	1230	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-9	1235	15795	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-9	1310	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-9	1315	10213	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-9	1800	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	28-9	1805	4356	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-9	1950	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-9	1955	5371	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	0530	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	0535	9200	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	1100	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-9	1105	8180	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-9	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-9	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-9	1200	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-9	1205	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-9	1345	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-9	1350	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-9	1245	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-9	1250	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-9	1245	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P03l	4-9	1250	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-HOL)
P03l	5-9	1200	4909	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-9	1205	4909	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	7-9	1345	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	7-9	1350	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-9	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-9	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-9	1200	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-9	1205	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-9	1345	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-9	1350	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-9	1245	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-9	1250	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-9	1245	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-9	1250	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-9	1345	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14-9	1350	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-9	1200	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(VSh)
P03I	15-9	1205	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(VSh)
P03I	17-9	1245	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	17-9	1250	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	18-9	1245	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-POL)
P03I	18-9	1250	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ-POL)
P03I	21-9	1345	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	21-9	1350	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	22-9	1200	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	22-9	1205	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(MPJ)
P03I	23-9	1345	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	23-9	1350	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	24-9	1245	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	24-9	1250	5344	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	25-9	1245	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-9	1250	5344	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-9	1200	4909	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-9	1205	4909	Mon	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	27-9	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-9	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-9	1345	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	28-9	1350	7984	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	29-9	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-9	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-9	1200	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	29-9	1205	4909	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL/MPJ)
P03I	30-9	1345	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	30-9	1350	7984	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
Q26	10-9	0822	9153	Sat	i.p. 6T5 6T6 TUU N5A ... N55 6A7 T4U ZNN SK	4+4 QPSK 75/3000 LSB	(VSh)
Q26	11-9	0907	9153	Sun	NGDT4 NKA02 05 T2AA T7U7 99 76U UT0 TAA 0U4 0A4 ... ZNN SK (decoder error on header)	4+4 QPSK 75/3000 LSB	(VSh)

S06	1-9	0400	11616	Thu	480 291 55 11232 43764 21522 ... 48025 87478 92640 291 55 00000	USB	(Subilo)
S06	1-9	0420	9322	Thu	480 291 55 11232 43764 21522 ... 48025 87478 92640 291 55 00000	USB	(Subilo)
S06	2-9	0400	11616	Fri	480 573 61 12278 62957 78548 ... 00086 84368 14412 573 61 00000	USB	(Subilo)
S06	2-9	0420	9322	Fri	480 573 61 12278 62957 78548 ... 00086 84368 14412 573 61 00000	USB	(Subilo)
S06	2-9	1900	9268	Fri	319 319 319 00000	USB	(AB/XAH/HFD)
S06	2-9	2000	6775	Fri	319 319 319 00000	USB	(AB/HFD)
S06	5-9	0400	11616	Mon	480 691 55 29264 67669 56026 ... 01865 84217 71633 691 55 00000	USB	(Subilo)
S06	5-9	0420	9322	Mon	480 691 55 29264 67669 56026 ... 01865 84217 71633 691 55 00000	USB	(Subilo)
S06	5-9	1615	10755	Mon	975 864 52 81569 39225 79473 ... 94742 50616 21903 864 52 00000 several restarts	USB	(AB/Subilo/T101/HFD)
S06	6-9	0400	11616	Tue	480 532 66 70166 13895 10526 ... 30059 89623 49279 532 66 00000	USB	(Subilo)
S06	6-9	0420	9322	Tue	480 532 66 70166 13895 10526 ... 30059 89623 49279 532 66 00000	USB	(Subilo)
S06	6-9	1503	13896	Tue	387 156 42 20030 91036 73166 ... 5095255012 04300 156 42 00000	USB	(VSh/AB/HFD)
S06	6-9	1603	10381	Tue	387 156 42 20030 91036 73166 ... 5095255012 04300 156 42 00000	USB	(XAH/VSh)
S06	7-9	0400	11616	Wed	480 769 51 48123 09744 18224 ... 98173 12804 37027 769 51 00000	USB	(Subilo)
S06	7-9	0420	9322	Wed	480 769 51 48123 09744 18224 ... 98173 12804 37027 769 51 00000	USB	(Subilo)
S06	8-9	0400	11616	Thu	480 637 52 07179 49255 02843 ... 49521 93406 48436 637 52 00000	USB	(Subilo)
S06	8-9	0420	9322	Thu	480 637 52 07179 49255 02843 ... 49521 93406 48436 637 52 00000	USB	(Subilo)
S06	9-9	0400	11616	Fri	480 637 52 07179 49255 02843 ... 49521 93406 48436 637 52 00000	USB	(Subilo)
S06	9-9	0420	9322	Fri	480 637 52 07179 49255 02843 ... 49521 93406 48436 637 52 00000	USB	(Subilo)
S06	9-9	1045	11073	Fri	352 786 51 96906 85458 66315 ... 85214 10109 24262 786 51 00000	USB	(PY/VSh)
S06	12-9	0400	11616	Mon	480 713 62 32947 37007 74048 ... 31220 06146 02048 713 62 00000	USB	(Subilo)
S06	12-9	0420	9322	Mon	480 713 62 32947 37007 74048 ... 31220 06146 02048 713 62 00000	USB	(Subilo)
S06	13-9	0400	11616	Tue	480 295 61 32947 37007 74048 ... 98698 31220 06146 295 61 00000	USB	(Subilo)
S06	13-9	0420	9322	Tue	480 295 61 32947 37007 74048 ... 98698 31220 06146 295 61 00000	USB	(Subilo)
S06	14-9	0400	11616	Wed	480 671 52 31377 99855 70484 ... 52345 60582 43412 671 52 00000	USB	(Subilo)
S06	14-9	0420	9322	Wed	480 671 52 31377 99855 70484 ... 52345 60582 43412 671 52 00000	USB	(Subilo)
S06	15-9	0400	11616	Thu	480 325 61 77175 09858 69740 ... 17662 22562 99406 325 61 00000	USB	(Subilo)
S06	15-9	0420	9322	Thu	480 325 61 77175 09858 69740 ... 17662 22562 99406 325 61 00000	USB	(Subilo)
S06	16-9	0400	11616	Fri	480 961 53 26584 26841 86376 ... 90134 20187 85037 961 53 00000	USB	(Subilo)
S06	16-9	0420	9322	Fri	480 961 53 26584 26841 86376 ... 90134 20187 85037 961 53 00000	USB	(Subilo)
S06	16-9	1900	9268	Fri	319 319 319 000	USB	(AB/XAH)
S06	16-9	2000	6775	Fri	319 319 319 000	USB	(AB)
S06	17-9	1100	10755	Sat	Several restarts 975 610 23 09309 96398 48855 ... 11753 38583 32004 610 23 975 801 31 09309 96498 49855 ... 13569 09674 14785 801 31 00000	USB	(PY/VSh)
S06	19-9	0400	11616	Mon	480 273 51 34154 68992 79481 ... 36419 09154 13915 273 51 00000	USB	(Subilo)
S06	19-9	0420	9322	Mon	480 273 51 34154 68992 79481 ... 36419 09154 13915 273 51 00000	USB	(Subilo)
S06	20-9	0400	11616	Tue	480 596 60 83305 05733 70000 ... 96509 41201 29961 596 60 00000	USB	(Subilo)
S06	20-9	0420	9322	Tue	480 596 60 83305 05733 70000 ... 96509 41201 29961 596 60 00000	USB	(Subilo)
S06	21-9	0400	11616	Wed	480 321 64 95074 13002 83987 ... 43442 35995 24304 321 64 00000	USB	(Subilo)
S06	21-9	0420	9322	Wed	480 321 64 95074 13002 83987 ... 43442 35995 24304 321 64 00000	USB	(Subilo)
S06	22-9	0400	11616	Thu	480 759 61 51085 76654 80550 ... 80863 08389 41876 759 61 00000	USB	(Subilo)
S06	22-9	0420	9322	Thu	480 759 61 51085 76654 80550 ... 80863 08389 41876 759 61 00000	USB	(Subilo)
S06	23-9	0400	11616	Fri	480 126 53 41943 27817 71648 ... 54658 64781 24155 126 53 00000	USB	(Subilo)
S06	23-9	0420	9322	Fri	480 126 53 41943 27817 71648 ... 54658 64781 24155 126 53 00000	USB	(Subilo)

S06	26-9	0400	11616	Mon	480 739 51 17726 51826 33564 ... 97761 58880 05156 739 51 00000	USB	(Subilo)
S06	26-9	0420	9322	Mon	480 739 51 17726 51826 33564 ... 97761 58880 05156 739 51 00000	USB	(Subilo)
S06	27-9	0400	11616	Tue	480 562 70 39590 39841 20911 ... 90238 49484 74743 562 70 00000	USB	(Subilo)
S06	27-9	0420	9322	Tue	480 562 70 39590 39841 20911 ... 90238 49484 74743 562 70 00000	USB	(Subilo)
S06	28-9	0400	11616	Wed	480 731 52 66665 41409 23276 ... 11516 87200 74612 731 52 00000	USB	(Subilo)
S06	28-9	0420	9322	Wed	480 731 52 66665 41409 23276 ... 11516 87200 74612 731 52 00000	USB	(Subilo)
S06	29-9	0400	11616	Thu	480 925 51 84947 85093 53673 ... 10897 04283 48785 925 51 00000	USB	(Subilo)
S06	29-9	0420	9322	Thu	480 925 51 84947 85093 53673 ... 10897 04283 48785 925 51 00000	USB	(Subilo)
S06	30-9	0400	11616	Fri	480 613 55 66061 78840 16303 ... 66733 25759 92798 613 55 00000	USB	(Subilo)
S06	30-9	0420	9322	Fri	480 613 55 66061 78840 16303 ... 66733 25759 92798 613 55 00000	USB	(Subilo)
S06b	6-9	1500	13896	Tue	901 2 11111 00056 901 2	USB	(VSh/AB)
S06b	6-9	1600	10381	Tue	901 2 11111 00056 901 2	USB	(XAH/VSh)
S06c	15-9	1030	10875	Thu	11214 (R)	USB	(T101)
S11A	1-9	0445	10728	Thu	793/00	USB	(HFD)
S11A	1-9	0500	14769	Thu	381/00	USB	(HFD)
S11a	1-9	0700	8597	Thu	471/00	USB	(AB)
S11a	2-9	0915	6480	Fri	485/00	USB	(AB/HFD)
S11a	2-9	1400	6797	Fri	427/00	USB	(AB/XAH/HFD)
S11a	3-9	0830	6433	Sat	376/00	USB	(AB/XAH/HFD)
S11a	3-9	1850	10213	Sat	285/00	USB	(AB/XAH/HFD)
S11a	4-9	0830	6433	Sun	373/00	USB	(AB)
S11a	5-9	0510	11116	Mon	653/00	USB	(AB/HFD)
S11a	5-9	0700	8597	Mon	476/31 Vnmaniye 37861 31245 35833 ... 38740 50297 10308 Vnmaniye (message repeated) Konets	USB	(AB`/Subilo)
S11a	5-9	0915	6480	Mon	486/00	USB	(AB/XAH)
S11a	6-9	0500	14769	Tue	380/00	USB	(AB-POL)
S11a	6-9	1400	6797	Tue	429/00	USB	(AB/XAH)
S11a	7-9	0510	11116	Wed	652/00	USB	(AB)
S11a	7-9	1850	10213	Wed	288/39 Vnmaniye 86288 14028 64740 ... 65463 39321 18843 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	8-9	0500	14769	Thu	387/00	USB	(AB-POL)
S11a	8-9	0700	8597	Thu	476/31 Vnmaniye 37861 31245 35833 ... 38740 50297 10308 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	9-9	0915	6480	Fri	483/00	USB	(AB)
S11a	9-9	1400	6797	Fri	421/00	USB	(AB)
S11a	10-9	0830	6433	Sat	371/34 Vnmaniye 97623 75981 94716 ... 14581 47020 46069 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	10-9	1850	10213	Sat	288/39 Vnmaniye 86288 14028 64740 ... 65463 39321 18843 Vnmaniye (message repeated) Konets	USB	(AB/XAH/Subilo)
S11a	11-9	0830	6433	Sun	371/34 Vnmaniye 97623 75981 94716 ... 14581 47020 46069 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	12-9	0700	8597	Mon	476/00	USB	(AB/XAH)
S11a	12-9	0915	6480	Mon	486/37 Vnmaniye 60206 65288 02246 ... 47387 63092 41610 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	13-9	0445	10728	Tue	798/33 Vnmaniye 15357 97275 75056 ... 45872 85530 30063 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	13-9	0500	14769	Tue	383/37 Vnmaniye 48425 20771 50236 ... 98714 87286 15076 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	13-9	1400	6797	Tue	420/32 Vnmaniye 32146 61222 46198 ... 05665 76987 91320 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	14-9	1850	10213	Wed	280/00	USB	(AB/XAH)
S11a	15-9	0445	10728	Thu	798/33 Vnmaniye 15357 97275 75056 ... 45872 85530 30063 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	15-9	0500	14769	Thu	383/37 Vnmaniye 48425 20771 50236 ... 98714 87286 15076 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	15-9	0700	8597	Thu	476/00	USB	(AB)

S11a	16-9	0915	6480	Fri	486/37 Vnmaniye 60206 65288 02246 ... 47387 63092 41610 Vnmaniye (message repeated) Konets	USB	(Subilo)
S11a	16-9	1400	6797	Fri	420/32 Vnmaniye 32146 61222 46198 ... 05665 76987 91320 Vnmaniye (message repeated) Konets	USB	(AB/XAH/Subilo)
S11a	17-9	0830	6433	Sat	378/00	USB	(AB)
S11a	17-9	1850	10213	Sat	288/00	USB	(AB)
S11a	18-9	0830	6433	Sun	372/00	USB	(AB)
S11a	19-9	0700	8597	Mon	470/00	USB	(AB/XAH)
S11a	19-9	0915	6480	Mon	482/00	USB	(AB)
S11a	20-9	1400	6797	Tue	422/00	USB	(AB/MPJ)
S11a	21-9	1850	10213	Wed	286/00	USB	(AB/MPJ/XAH)
S11a	22-9	0700	8597	Thu	471/00	USB	(AB)
S11a	23-9	1400	6797	Fri	425/00	USB	(AB/MPJ/XAH)
S11a	24-9	1850	10213	Sat	282/00	USB	(AB/XAH)
S11a	25-9	0830	6433	Sun	373/00	USB	(AB)
S11a	25-9	0830	6433	Sun	373/00	USB	(AB)
S11a	26-9	0510	11116	Mon	657/31 Vnmaniye 61796 24258 39815 ... 47983 92186 96527 Vnmaniye (message repeated) Konets	USB	(AB-POL/Subilo)
S11a	26-9	0700	8597	Mon	476/00	USB	(AB)
S11a	26-9	0915	6480	Mon	483/00	USB	(AB)
S11a	27-9	0500	14769	Tue	384/00	USB	(AB-POL)
S11a	27-9	1400	6797	Tue	422/00	USB	(AB)
S11a	28-9	0510	11116	Wed	657/31 Vnmaniye 61796 24258 39815 ... 47983 92186 96527 Vnmaniye (message repeated) Konets	USB	(AB/Subilo)
S11a	28-9	1850	10213	Wed	284/00	USB	(AB)
S11a	29-9	0500	14769	Thu	381/00	USB	(AB-POL)
S11a	29-9	0700	8597	Thu	478/00	USB	(AB)
S11a	30-9	0915	6480	Fri	486/00	USB	(AB)
S11a	30-9	1400	6797	Fri	420/00	USB	(AB/XAH/MPJ)
S25	9-9	0907	18697	Fri	66753 (R)	USB	(T101)
S25	9-9	0920	18697	Fri	753 753 753 42336 42336 (R4) 753 753 753 44596 44596 (R4) 11111 00000	USB	(T101)
S25	14-9	1035	18193	Wed	038 038 038 84113 84113 (R4m) 038 038 038 70203 70203 (R4m) 038-	USB	(PY)
S28	13-9	1910	4625	Tue	Russian channel marker Buzzer trolled. Mario and Packman sounds and music played on top of the buzzer	USB	(AB)
S28	22-9	1805	4625	Thu	Buzzer: Russian military channel marker	USB	(XAH)
S28	22-9	1808	3363.5	Thu	Squeaky Wheel: Russian military channel marker	USB	(XAH)
S28	22-9	1810	3243	Thu	Goose: Russian military channel marker	USB	(XAH)
S28	22-9	1811	4770	Thu	Alarm: Russian military channel marker	USB	(XAH)
S28	25-9	1818	4625	Sun	Buzzer: Russian military channel marker	USB	(AB)
S30	22-9	1806	3756	Thu	Pip: Russian military channel marker	USB	(XAH)
S30	25-9	1827	3756	Sun	Pip: Russian military channel marker	USB	(AB)
S32	25-9	1831	3364	Sun	Squeaky Wheel: Russian military channel marker	USB	(AB)
TUN	8-9	0848	12140	Thu	STAT24: Tunisian embassy Rome sounding	Mil-STD-188-141A/USB	(AB)
TUN	26-9	0937	15635	Mon	STAT154: MFA Tunis encrypted email to STAT2: Tunisian embassy Berlin	Pactor-II	(AB)
TUN	27-9	1035	16290	Tue	STAT151: MFA Tunis sending encrypted email to STAT21: Tunisian embassy Algiers. IPM.Note mail.hse DE-FAULT@#HFARQ#STAT151 DEFAULT@#HFARQ#STAT151 HFARQ#STAT12 20220927113917:DEFAULT@	Pactor-II	(AB)
TUN	28-9	0607	16125	Wed	STAT11: unid Tunisian embassy clg STAT155: MFA Tunis	Mil-STD-188-141A/USB	(AB)
UM01	4-9	0700	4735	Sun	VVV VVV PROMRÖ = 04 09 = 1000 0640 0670 0800 1220 ... 0800 0580 0620 0740 1060 = AR	CW	(AB-ROU)
UM04	1-9	0700	4735	Thu	VVVVV PROMRÖ = 0109 = 1000 0630 0670 0790 1220 ... 0800 0580 0620 0730 1060 = AR	CW	(Subilo)

UM04	2-9	0700	4735	Fri	VVV VVV PROMRÖ = 0209 = 1000 0630 0670 0790 1220 ... 0800 0590 0620 0730 1050 = AR	CW	(AB-AUT/Subilo)
UM04	3-9	0702	4735	Sat	VVVVV PROMRÖ = 0309 = 1000 0630 0670 0790 1220 ... 0800 0580 0620 0730 1060 = AR. Restart at 0707 UTC	CW	(Subilo)
UM04	4-9	0700	4735	Sun	VVVVV PROMRÖ = 04 09 = 1000 0640 0670 0800 1220 ... 0800 0580 0620 0740 1060 = AR	CW	(AB-AUT/Subilo)
UM04	5-9	0700	4735	Mon	VVV VVV PROMRÖ = 0509 = 1000 0640 0670 0800 1210 ... 0800 0580 0610 0730 1060 = AR	CW	(Subilo)
UM04	6-9	0700	4735	Tue	VVVVV PROMRÖ = 0609 = 1000 0640 0680 0810 1210 ... 0800 0580 0610 0730 1070 = AR	CW	(Subilo)
UM04	7-9	0700	4735	Wed	VVVVV PROMRÖ = 0709 = 1000 0640 0680 0810 1210 ... 0800 0580 0620 0730 1070 = AR	CW	(Subilo)
UM04	8-9	0700	4735	Thu	VVV VVV PROMRÖ = 0809 = 1000 0640 0680 0810 1210 ... 0800 0580 0610 0730 1070 = AR	CW	(AB-AUT/Subilo)
UM04	9-9	0700	4735	Fri	VVV VVV PROMRÖ = 0909 = 1000 0650 0690 0820 1210 ... 0800 0580 0610 0730 1070 = AR	CW	(Subilo)
UM04	10-9	0700	4735	Sat	VVV VVV PROMRÖ = 1009 = 1000 0650 0690 0820 1210 ... 0800 0580 0620 0740 1080 = AR	CW	(Subilo)
UM04	11-9	0700	4735	Sun	VVVVV PROMRÖ = 1109 = 1000 0650 0690 0820 1210 ... 0800 0580 0620 0740 1090 = AR	CW	(Subilo)
UM04	12-9	0700	4735	Mon	VVV VVV PROMRÖ 1209 1000 0660 0700 0840 1220 ... 0800 0590 0620 0710 1100 = AR	CW	(Subilo)
UM04	13-9	0702	4735	Tue	VVVVV PROMRÖ = 13 09 = 1000 0670 0710 0840 1230 ... 0800 0590 0630 0750 1100 = AR	CW	(Subilo)
UM04	14-9	0700	4735	Wed	VVVVV PROMRÖ = 1409 = 1000 0670 0710 0850 1230 ... 0800 0590 0630 0750 1110 = AR	CW	(Subilo)
UM04	15-9	0700	4735	Thu	VVVVV PROMRÖ = 1509 = 1000 0680 0720 0860 1250 ... 0800 0600 0650 0760 1120 = AR	CW	(Subilo)
UM04	16-9	0700	4735	Fri	VVV VVV PROMRÖ = 1609 = 1000 0690 0730 0870 1260 ... 0800 0600 0650 0770 1130 = AR	CW	(Subilo)
UM04	17-9	0700	4735	Sat	VVVVV PROMRÖ = 1709 = 1000 0700 0740 0880 1270 ... 0800 0610 0650 0780 1140 = AR	CW	(Subilo)
UM04	18-9	0700	4735	Sun	VVV VVV PROMRÖ = 1809 = 1000 0710 0750 0890 1290 ... 0800 0620 0660 0790 1150 = AR	CW	(Subilo)
UM04	19-9	0700	4735	Mon	VVVVV PROMRÖ = 1909 = 1000 0720 0760 0890 1300 ... 0800 0620 0660 0790 1160 = AR	CW	(Subilo)
UM04	20-9	0701	4735	Tue	Random keying followed by 6BQY DE TYN7 K. At 0705z: VVV VVV PROMRÖ = 2009 = 1000 0710 0750 0890 1290 ... 0800 0620 0660 0790 1150 = AR	CW	(Subilo)
UM04	21-9	0700	4735	Wed	VVV VVV PROMRÖ = 2109 = 1000 0740 0780 0920 1320 ... 0800 0630 0670 0800 1180 = AR	CW	(Subilo)
UM04	22-9	0700	4735	Thu	VVVVV PROMRÖ = 2209 = 1000 0740 0780 0920 1330 ... 0800 0640 0680 0810 1180 = AR	CW	(Subilo)
UM04	23-9	0700	4735	Fri	VVVVV PROMRÖ = 2309 = 1000 0750 0790 0920 1330 ... 0800 0640 0680 0810 1190 = AR	CW	(Subilo)
UM04	24-9	0700	4735	Sat	VVVVV PROMRÖ = 2409 = 1000 0750 0790 0930 1340 ... 0800 0640 0680 0810 1190 = AR	CW	(Subilo)
UM04	25-9	0700	4735	Sun	VVVVV PROMRÖ = 2509 = 1000 0750 0790 0930 1340 ... 0800 0640 0680 0810 1190 = AR	CW	(Subilo)
UM04	26-9	0700	4735	Mon	VVVVV PROMRÖ = 2609 = 1000 0760 0800 0940 1350 ... 0800 0640 0680 0820 1190 = AR	CW	(Subilo)
UM04	27-9	0700	4735	Tue	VVVVV PROMRÖ = 2709 = 1000 0760 0800 0940 1360 ... 0800 0650 0690 0820 1190 = AR	CW	(Subilo)
UM04	28-9	0700	4735	Wed	VVVVV PROMRÖ = 2809 = 1000 0770 0810 0950 1360 ... 0800 0650 0690 0830 1200 = AR	CW	(Subilo)
UM04	29-9	0703	4735	Thu	VVVVV PROMRÖ = 2909 = 1000 0770 0810 0950 1360 ... 0800 0660 0690 0830 1210 = AR	CW	(Subilo)
UM04	30-9	0702	4735	Fri	VVVVV PROMRÖ = 3009 = 1000 0780 0820 0960 1370 ... 0800 0660 0700 0840 1220 = AR	CW	(Subilo)
V07	28-8	0300	13464	Sun	415 415 415 1 1393 78 1393 78 30748 72944 80824 ... 99857 90236 17021 000 000	USB	(Dan)
V07	4-9	0100	13535	Sun	511 511 511 1 4869 102 4869 102 58369 96719 97361 ... 06862 53967 02404 000 000	USB	(Dan/HFD-USA)
V07	4-9	0120	12135	Sun	511 511 511 1 4869 102 4869 102 58369 96719 97361 ... 06862 53967 02404 000 000	USB	(HFD-USA)
V07	4-9	0140	11135	Sun	511 511 511 1 4869 102 4869 102 58369 96719 97361 ... 06862 53967 02404 000 000	USB	(HFD-USA)
V07	11-9	0100	13535	Sun	511 511 511 1 5355 66 5355 66 97607 61619 17832 ... 93967 27030 83294 000 000	USB	(Dan)
V07	18-9	0100	13535	Sun	511 511 511 1 7346 120 7346 120 52576 20635 67209 ... 81079 45427 52423 000 000	USB	(Dan)
V07	25-9	0100	13535	Sun	511 511 511 1 819 126 819 126 17014 63642 09940 ... 68615 67699 64657 000 000	USB	(Dan)
V13	1-9	1330	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	1-9	1330	11430	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	4-9	1330	7688	Sun	New Star Broadcasting	USB	(AB-TWN)
V13	4-9	1330	11430	Sun	New Star Broadcasting	USB	(AB-TWN)
V13	5-9	1300	7688	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	5-9	1300	11430	Mon	New Star Broadcasting	USB	(AB-TWN)

V13	8-9	1330	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	29-9	1300	7688	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	29-9	1300	11430	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	30-9	1300	7688	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	30-9	1300	11430	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	30-9	1330	7688	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	30-9	1330	11430	Fri	New Star Broadcasting	USB	(AB-TWN)
V28	25-9	2109	4506	Sun	Parrot. Female operator	AM	(HK)
V28	25-9	2109	5049.5	Sun	Parrot. Female operator	AM	(HK)
V28	26-9	0911	3032	Mon	Parrot. Female operator	AM	(HK)
V28	26-9	2100	4504.5	Mon	Parrot	AM	(HK)
V28	27-9	0900	3031.7	Tue	Parrot	AM	(HK)
V28	27-9	0900	3518.7	Tue	Parrot	AM	(HK)
V28	27-9	2100	4504.4	Tue	Parrot	AM	(HK)
V28	27-9	2100	5050.5	Tue	Parrot	AM	(HK)
V28	28-9	2101	4504.3	Wed	Parrot. Female operator	AM	(Phil)
V28	29-9	0900	3524.4	Thu	Parrot. Female operator	AM	(HK)
V28	29-9	0900	5236	Thu	Parrot. Female operator	AM	(HK)
V28	29-9	2100	4505	Thu	Parrot	AM	(HK)
V28	29-9	2103	5049	Thu	Parrot	AM	(HK)
V28	30-9	0900	3525	Fri	Parrot	AM	(HK)
V28	30-9	0900	5231	Fri	Parrot	AM	(HK)
V28	30-9	0902	3046.5	Fri	Parrot	AM	(HK)
VC01	1-9	1333	4450	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	1-9	1333	5017	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	5-9	1315	4450	Mon	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-KOR)
VC01	5-9	1315	5632	Mon	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-KOR)
VC01	29-9	1303	5632	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-HK)
VC01	30-9	1302	5632	Fri	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC03	11-9	0757	7788	Sun	5640 3469 2725 ... 2691 3552 4309 also long operator chats	USB	(VSh)
X06	1-9	0620	18197	Thu	MFA Moscow clg 645321: Russian embassy Ho Chi Minh City	MFSK-6	(RO)
X06	1-9	0719	13448	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(RO)
X06	1-9	0728	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	1-9	0730	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(AB)
X06	1-9	0741	17517	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	1-9	0920	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB)
X06	1-9	1134	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1134	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1155	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1155	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1158	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1158	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	1-9	1337	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(RO)
X06	2-9	1042	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)

X06	2-9	1059	13547	Fri	MFA Moscow clg 625413:Russian embassy Tel Aviv	MFSK-6	(AB)
X06	5-9	0729	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	5-9	0730	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	5-9	0730	15819	Mon	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(Moon)
X06	5-9	0825	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon/RO)
X06	5-9	0825	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(RO)
X06	5-9	0922	18750	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	5-9	0922	18750	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	5-9	0934	18750	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	5-9	0934	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	5-9	1118	13462	Mon	661613 test	MFSK-6	(Moon)
X06	5-9	1118	13462	Mon	MFA Moscow clg 554411: Test	MFSK-6	(RO)
X06	6-9	0753	16197	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(RO)
X06	6-9	0804	14615	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbaatar	MFSK-6	(RO)
X06	6-9	0835	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	6-9	0928	18206	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(Moon/RO)
X06	6-9	1148	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	6-9	1202	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	7-9	0817	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(RO)
X06	7-9	0818	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(AB)
X06	7-9	1057	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	7-9	1122	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	7-9	1248	15676	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(RO)
X06	7-9	1250	15676	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
X06	8-9	0957	13506	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
X06	8-9	1010	16223	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
X06	9-9	0748	12213	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the UN	MFSK-6	(AB)
X06	11-9	1125	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06	19-9	0712	11158	Mon	MFA Moscow clg 263514: Unid embassy	MFSK-6	(Moon)
X06	19-9	0725	12133	Mon	MFA Moscow clg 263514: Unid embassy	MFSK-6	(Moon)
X06	19-9	0726	13415	Mon	MFA Moscow clg 263514: Unid embassy	MFSK-6	(Moon)
X06	19-9	0728	11638	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(RO)
X06	19-9	0729	10175	Mon	MFA Moscow clg 263514: Unid embassy	MFSK-6	(Moon)
X06	19-9	0730	11562	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	19-9	0915	18750	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	19-9	0916	18750	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(AB)
X06	19-9	0925	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	19-9	0930	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(AB)
X06	20-9	1000	9450	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(XAH)
X06	20-9	1015	15989	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbaatar	MFSK-6	(XAH)
X06	20-9	1032	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(XAH)
X06	22-9	1023	16340	Thu	Test: 111111	MFSK-6	(VSh)
X06	23-9	0619	13439	Fri	Test: 111666	MFSK-6	(VSh)
X06	23-9	0704	13530	Fri	Test: 111666	MFSK-6	(VSh)

X06	26-9	0825	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	26-9	0827	11424	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	26-9	1246	15656	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(AB/HFD)
XPA1	1-9	0710	10682	Thu	761 761 761 000 01350 00001 00000 32656	MFSK-20/10Bd	(AB/HFD)
XPA1	1-9	0730	11571	Thu	761 761 761 000 01350 00001 00000 32656	MFSK-20/10Bd	(AB/HFD)
XPA1	1-9	0750	12216	Thu	761 761 761 000 01350 00001 00000 32656	MFSK-20/10Bd	(AB/HFD)
XPA1	2-9	1210	12137	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB/HFD)
XPA1	2-9	1230	11137	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB/HFD)
XPA1	2-9	1250	10237	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB/HFD)
XPA1	7-9	1210	12137	Wed	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	7-9	1230	11137	Wed	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB/XAH)
XPA1	7-9	1250	10237	Wed	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB/XAH)
XPA1	9-9	1210	12137	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	9-9	1230	11137	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	9-9	1250	10237	Fri	112 112 112 1 07428 00174 56960 ... 36234 85102 55367	MFSK-20/10Bd	(AB)
XPA1	14-9	1210	12137	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB)
XPA1	14-9	1230	11137	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB)
XPA1	14-9	1250	10237	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB)
XPA1	21-9	1210	12137	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(Time)
XPA1	21-9	1230	11137	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB)
XPA1	21-9	1250	10237	Wed	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB/XAH)
XPA1	23-9	1210	12137	Fri	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB/MPJ)
XPA1	23-9	1230	11137	Fri	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB/MPJ)
XPA1	23-9	1250	10237	Fri	112 112 112 1 00914 00098 98309 ... 85731 43151 46110	MFSK-20/10Bd	(AB/MPJ)
XPA1	28-9	1210	12137	Wed	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA1	28-9	1230	11137	Wed	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA1	28-9	1250	10237	Wed	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA1	30-9	1210	12137	Fri	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA1	30-9	1230	11137	Fri	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA1	30-9	1250	10237	Fri	112 112 112 1 04962 00088 52679 ... 73557 20237 41525	MFSK-20/10Bd	(AB)
XPA2	1-9	0500	10221	Thu	09730 00001 00000 34664	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	0520	11121	Thu	09730 00001 00000 34664	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	0540	12221	Thu	09730 00001 00000 34664	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	0910	15859	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	0930	14659	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	0950	13459	Thu	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB/HFD)
XPA2	1-9	1100	16117	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	1-9	1120	14917	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	1-9	1140	13517	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	1-9	1600	13887	Thu	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ/XAH)
XPA2	1-9	1620	13387	Thu	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-9	1640	11587	Thu	00908 00185 34663 ... 61061 39028 14353	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-9	0800	14374	Fri	01392 00001 00000 33662	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	0820	14974	Fri	01392 00001 00000 33662	MFSK-16/29Bd	(AB/HFD)

XPA2	2-9	0840	16274	Fri	01392 00001 00000 33662	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1100	13431	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1120	12131	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1140	11431	Fri	00774 00198 22542 ... 96216 14709 30256	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1200	13484	Fri	05476 00226 23313 ... 60672 17109 10525	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1220	14684	Fri	05476 00226 23313 ... 60672 17109 10525	MFSK-16/29Bd	(AB/HFD)
XPA2	2-9	1240	15984	Fri	05476 00226 23313 ... 60672 17109 10525	MFSK-16/29Bd	(AB/HFD)
XPA2	3-9	0910	15859	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	3-9	0930	14659	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	3-9	0950	13459	Sat	04829 00082 11812 ... 73007 58028 10655	MFSK-16/20Bd	(AB)
XPA2	3-9	1500	14373	Sat	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ/XAH)
XPA2	3-9	1520	13373	Sat	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ)
XPA2	3-9	1540	11573	Sat	00756 00294 37692 ... 92687 37591 62422	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-9	0800	14374	Sun	07043 00001 00000 22664	MFSK-16/20bd	(AB)
XPA2	4-9	0820	14974	Sun	07043 00001 00000 22664	MFSK-16/20bd	(AB)
XPA2	4-9	0840	16674	Sun	07043 00001 00000 22664	MFSK-16/20bd	(AB)
XPA2	4-9	1200	13914	Sun	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB/XAH/HFD)
XPA2	4-9	1220	15814	Sun	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB/HFD)
XPA2	4-9	1240	16314	Sun	00276 00226 10110 ... 04259 24688 05035	MFSK-16/20Bd	(AB/HFD)
XPA2	5-9	0700	12152	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB/HFD)
XPA2	5-9	0720	13552	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB/HFD)
XPA2	5-9	0740	13952	Mon	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB/HFD)
XPA2	5-9	0910	18206	Mon	06866 00001 00000 40264	MFSK-16/20Bd	(AB/XAH)
XPA2	5-9	0930	16329	Mon	06866 00001 00000 40264	MFSK-16/20Bd	(AB)
XPA2	5-9	0950	15824	Mon	06866 00001 00000 40264	MFSK-16/20Bd	(AB)
XPA2	5-9	1500	14373	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	5-9	1520	13373	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	5-9	1540	11573	Mon	05460 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	6-9	0500	10221	Tue	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	6-9	0520	11121	Tue	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	6-9	0540	12221	Tue	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	6-9	1100	13431	Tue	03585 00001 00000 36263	MFSK-16/29Bd	(AB)
XPA2	6-9	1120	12131	Tue	03585 00001 00000 36263	MFSK-16/29Bd	(AB)
XPA2	6-9	1140	11431	Tue	03585 00001 00000 36263	MFSK-16/29Bd	(AB)
XPA2	6-9	1200	13914	Tue	05292 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	6-9	1220	15814	Tue	05292 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	6-9	1240	16314	Tue	05292 00001 00000 33266	MFSK-16/20Bd	(AB)
XPA2	6-9	1600	13887	Tue	01268 00001 00000 36257	MFSK-16/20Bd	(AB/XAH/HFD)
XPA2	6-9	1620	13387	Tue	01268 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	6-9	1640	11587	Tue	01268 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	0700	12152	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	7-9	0720	13552	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	7-9	0740	13952	Wed	08477 00096 31621 ... 06552 27972 51131	MFSK-16/20Bd	(AB)
XPA2	7-9	0910	18206	Wed	05610 00001 00000 34256	MFSK-16/20Bd	(AB/HFD)

XPA2	7-9	0930	16329	Wed	05610 00001 00000 34256	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	0950	15824	Wed	05610 00001 00000 34256	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	1100	16117	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	1120	14917	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	1140	13517	Wed	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB/HFD)
XPA2	7-9	1200	13484	Wed	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB)
XPA2	7-9	1220	14684	Wed	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB)
XPA2	7-9	1240	15984	Wed	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB/XAH)
XPA2	8-9	0500	10221	Thu	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	8-9	0520	11121	Thu	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	8-9	0540	12221	Thu	00802 00117 20556 ... 75530 26206 24310	MFSK-16/20Bd	(AB)
XPA2	8-9	0910	15859	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	8-9	0930	14659	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	8-9	0950	13459	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	8-9	1100	16117	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	8-9	1120	14917	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	8-9	1140	13517	Thu	02329 00138 00918 ... 12431 16910 75041	MFSK-16/20Bd	(AB)
XPA2	8-9	1600	13887	Thu	07610 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	8-9	1620	13387	Thu	07610 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	8-9	1640	11587	Thu	07610 00001 00000 34260	MFSK-16/20Bd	(AB)
XPA2	9-9	0800	14374	Fri	03631 00096 73855 ... 70090 74958 33615	MFSK-16/29Bd	(AB)
XPA2	9-9	0820	14974	Fri	03631 00096 73855 ... 70090 74958 33615	MFSK-16/29Bd	(AB)
XPA2	9-9	0840	16274	Fri	03631 00096 73855 ... 70090 74958 33615	MFSK-16/29Bd	(AB)
XPA2	9-9	1100	13431	Fri	04036 00000 00000 33656	MFSK-16/29Bd	(AB)
XPA2	9-9	1120	12131	Fri	04036 00000 00000 33656	MFSK-16/29Bd	(AB)
XPA2	9-9	1140	11431	Fri	04036 00000 00000 33656	MFSK-16/29Bd	(AB)
XPA2	9-9	1200	13484	Fri	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB)
XPA2	9-9	1220	14684	Fri	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB)
XPA2	9-9	1240	15984	Fri	03284 00240 01017 ... 04506 18288 10062	MFSK-16/29Bd	(AB/XAH)
XPA2	10-9	0910	15859	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	10-9	0930	14659	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	10-9	0950	13459	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	10-9	1500	14373	Sat	06647 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	10-9	1520	13373	Sat	06647 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	10-9	1540	11573	Sat	06647 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	11-9	0800	14374	Sun	03631 00096 73855 ... 70090 74958 33615	MFSK-16/20bd	(AB)
XPA2	11-9	0820	14974	Sun	03631 00096 73855 ... 70090 74958 33615	MFSK-16/20bd	(AB)
XPA2	11-9	0840	16674	Sun	03631 00096 73855 ... 70090 74958 33615	MFSK-16/20bd	(AB)
XPA2	11-9	1200	13914	Sun	07492 00001 00000 34270	MFSK-16/20Bd	(AB)
XPA2	11-9	1220	15814	Sun	07492 00001 00000 34270	MFSK-16/20Bd	(AB)
XPA2	11-9	1240	16314	Sun	07492 00001 00000 34270	MFSK-16/20Bd	(AB)
XPA2	12-9	0700	12152	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	12-9	0720	13552	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	12-9	0740	13952	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)

XPA2	12-9	1500	14373	Mon	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB)
XPA2	12-9	1520	13373	Mon	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB)
XPA2	12-9	1540	11573	Mon	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB)
XPA2	13-9	1600	13887	Tue	06378 00255 83947 ... 73657 00962 46775	MFSK-16/20Bd	(AB/XAH)
XPA2	13-9	1620	13387	Tue	06378 00255 83947 ... 73657 00962 46775	MFSK-16/20Bd	(AB)
XPA2	13-9	1640	11587	Tue	06378 00255 83947 ... 73657 00962 46775	MFSK-16/20Bd	(AB)
XPA2	14-9	0700	12152	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	14-9	0720	13552	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	14-9	0740	13952	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	14-9	0910	18206	Wed	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	14-9	0930	16329	Wed	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	14-9	0950	15824	Wed	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	14-9	1100	16117	Wed	01214 00090 00035 ... 90728 44372 46577	MFSK-16/20Bd	(AB)
XPA2	14-9	1120	14917	Wed	01214 00090 00035 ... 90728 44372 46577	MFSK-16/20Bd	(AB)
XPA2	14-9	1140	13517	Wed	01214 00090 00035 ... 90728 44372 46577	MFSK-16/20Bd	(AB)
XPA2	14-9	1200	13484	Wed	01995 00242 70531 ... 73796 96453 34230	MFSK-16/29Bd	(AB)
XPA2	14-9	1220	14684	Wed	01995 00242 70531 ... 73796 96453 34230	MFSK-16/29Bd	(AB)
XPA2	14-9	1240	15984	Wed	01995 00242 70531 ... 73796 96453 34230	MFSK-16/29Bd	(AB)
XPA2	15-9	0500	10221	Thu	04386 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	15-9	0520	11121	Thu	04386 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	15-9	0540	12221	Thu	04386 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	15-9	0910	15859	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	15-9	0930	14659	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	15-9	0950	13459	Thu	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	15-9	1600	13887	Thu	06378 00255 83947 ... Off after gr 57.	MFSK-16/20Bd	(AB)
XPA2	15-9	1620	13387	Thu	06378 00255 83947 ... 73657 00962 46775	MFSK-16/20Bd	(AB)
XPA2	15-9	1640	11587	Thu	06378 00255 83947 ... 73657 00962 46775	MFSK-16/20Bd	(AB)
XPA2	17-9	0910	15859	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	17-9	0930	14659	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	17-9	0950	13459	Sat	09416 00167 94385 ... 78395 57659 46115	MFSK-16/20Bd	(AB)
XPA2	17-9	1500	14373	Sat	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-9	1520	13373	Sat	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB/MPJ/XAH)
XPA2	17-9	1540	11573	Sat	00201 00240 77350 ... 71755 45483 75733	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-9	1200	13914	Sun	05173 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	18-9	1220	15814	Sun	05173 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	18-9	1240	16314	Sun	05173 00001 00000 33264	MFSK-16/20Bd	(AB)
XPA2	19-9	0700	12152	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	19-9	0720	13552	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	19-9	0740	13952	Mon	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	19-9	0910	18206	Mon	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	19-9	0930	16329	Mon	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	19-9	0950	15824	Mon	00852 00180 73176 ... 23162 09957 22160	MFSK-16/20Bd	(AB)
XPA2	19-9	1030	9142	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1040	10256	Mon	Message	MFSK-16/20Bd	(VSh)

XPA2	19-9	1050	11431	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1100	9142	Mon	Null message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1110	10256	Mon	Null message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1120	11431	Mon	Null message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1130	9142	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1140	10256	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1150	11431	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1300	10256	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1310	11431	Mon	Message	MFSK-16/20Bd	(VSh)
XPA2	19-9	1500	14373	Mon	01328 00001 00000 36653	MFSK-16/20Bd	(AB)
XPA2	19-9	1520	13373	Mon	01328 00001 00000 36653	MFSK-16/20Bd	(AB)
XPA2	19-9	1540	11573	Mon	01328 00001 00000 36653	MFSK-16/20Bd	(AB)
XPA2	20-9	1200	13914	Tue	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(Time)
XPA2	20-9	1220	15814	Tue	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(Time)
XPA2	20-9	1240	16314	Tue	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(AB)
XPA2	20-9	1600	13887	Tue	08633 00001 00000 35663	MFSK-16/20Bd	(AB/MPJ/XAH)
XPA2	20-9	1620	13387	Tue	08633 00001 00000 35663	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-9	1640	11587	Tue	08633 00001 00000 35663	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-9	0700	12152	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	21-9	0720	13552	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	21-9	0740	13952	Wed	00922 00114 54152 ... 84036 49534 72330	MFSK-16/20Bd	(AB)
XPA2	21-9	1200	13484	Wed	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(Time)
XPA2	21-9	1220	14684	Wed	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(AB)
XPA2	21-9	1240	15984	Wed	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(AB)
XPA2	22-9	1600	13887	Thu	08074 00001 00000 33267	MFSK-16/20Bd	(MPJ)
XPA2	22-9	1620	13387	Thu	08074 00001 00000 33267	MFSK-16/20Bd	(MPJ)
XPA2	22-9	1640	11587	Thu	08074 00001 00000 33267	MFSK-16/20Bd	(MPJ)
XPA2	23-9	1100	13431	Fri	00316 00088 68712 ... 44257 46794 12463	MFSK-16/29Bd	(AB)
XPA2	23-9	1120	12131	Fri	00316 00088 68712 ... 44257 46794 12463	MFSK-16/29Bd	(AB)
XPA2	23-9	1140	11431	Fri	00316 00088 68712 ... 44257 46794 12463	MFSK-16/29Bd	(AB)
XPA2	23-9	1200	13484	Fri	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(AB)
XPA2	23-9	1220	14684	Fri	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(AB)
XPA2	23-9	1240	15984	Fri	07861 00188 31570 ... 54172 45826 56442	MFSK-16/29Bd	(AB)
XPA2	24-9	0910	15859	Sat	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	24-9	0930	14659	Sat	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	24-9	0950	13459	Sat	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	24-9	1500	14373	Sat	06194 00001 00000 33667	MFSK-16/20Bd	(AB/HFD)
XPA2	24-9	1520	13373	Sat	06194 00001 00000 33667	MFSK-16/20Bd	(AB/HFD)
XPA2	24-9	1540	11573	Sat	06194 00001 00000 33667	MFSK-16/20Bd	(AB/HFD)
XPA2	25-9	0800	14374	Sun	00638 00120 56647 ... 34431 96339 01252	MFSK-16/20bd	(AB)
XPA2	25-9	0820	14974	Sun	00638 00120 56647 ... 34431 96339 01252	MFSK-16/20bd	(AB)
XPA2	25-9	0840	16674	Sun	00638 00120 56647 ... 34431 96339 01252	MFSK-16/20bd	(AB)
XPA2	25-9	1200	13914	Sun	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(AB)
XPA2	25-9	1220	15814	Sun	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(AB)

XPA2	25-9	1240	16314	Sun	00942 00288 99456 ... 35244 06547 75666	MFSK-16/20Bd	(AB)
XPA2	26-9	0700	12152	Mon	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	26-9	0720	13552	Mon	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	26-9	0740	13952	Mon	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	26-9	0910	18206	Mon	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	26-9	0930	16329	Mon	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	26-9	0950	15824	Mon	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	26-9	1500	14373	Mon	03477 00257 00588 ... 10561 67167 40444	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-9	1520	13373	Mon	03477 00257 00588 ... 10561 67167 40444	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-9	1540	11573	Mon	03477 00257 00588 ... 10561 67167 40444	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-9	0500	10221	Tue	09947 00001 00000 41265	MFSK-16/20Bd	(AB)
XPA2	27-9	0520	11121	Tue	09947 00001 00000 41265	MFSK-16/20Bd	(AB)
XPA2	27-9	0540	12221	Tue	09947 00001 00000 41265	MFSK-16/20Bd	(AB)
XPA2	27-9	1100	13431	Tue	03663 00001 00000 35661	MFSK-16/29Bd	(AB)
XPA2	27-9	1120	12131	Tue	03663 00001 00000 35661	MFSK-16/29Bd	(AB)
XPA2	27-9	1140	11431	Tue	03663 00001 00000 35661	MFSK-16/29Bd	(AB)
XPA2	27-9	1200	13914	Tue	05195 00214 24315 ... 29058 68358 53716	MFSK-16/20Bd	(AB)
XPA2	27-9	1220	15814	Tue	05195 00214 24315 ... 29058 68358 53716	MFSK-16/20Bd	(AB)
XPA2	27-9	1240	16314	Tue	05195 00214 24315 ... 29058 68358 53716	MFSK-16/20Bd	(AB)
XPA2	27-9	1600	13887	Tue	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)
XPA2	27-9	1620	13387	Tue	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)
XPA2	27-9	1640	11587	Tue	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)
XPA2	28-9	0700	12152	Wed	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	28-9	0720	13552	Wed	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	28-9	0740	13952	Wed	09327 00140 97908 ... 50481 56143 30404	MFSK-16/20Bd	(AB)
XPA2	28-9	0910	18206	Wed	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	28-9	0930	16329	Wed	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	28-9	0950	15824	Wed	00995 00076 81076 ... 26711 41701 07360	MFSK-16/20Bd	(AB)
XPA2	28-9	1100	16117	Wed	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB)
XPA2	28-9	1120	14917	Wed	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB)
XPA2	28-9	1140	13517	Wed	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB)
XPA2	28-9	1200	13484	Wed	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPA2	28-9	1220	14684	Wed	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPA2	28-9	1240	15984	Wed	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPA2	29-9	0500	10221	Thu	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	29-9	0520	11121	Thu	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	29-9	0540	12221	Thu	09851 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	29-9	0910	15859	Thu	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	29-9	0930	14659	Thu	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	29-9	0950	13459	Thu	02335 00068 26361 ... 62931 88681 10357	MFSK-16/20Bd	(AB)
XPA2	29-9	1100	16117	Thu	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-9	1120	14917	Thu	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-9	1140	13517	Thu	01447 00095 97043 ... 67432 33080 61346	MFSK-16/20Bd	(AB/MPJ)
XPA2	29-9	1600	13887	Thu	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)

XPA2	29-9	1620	13387	Thu	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)
XPA2	29-9	1640	11587	Thu	02251 00296 34826 ... 26652 37539 54615	MFSK-16/20Bd	(AB)
XPA2	30-9	0800	14374	Fri	08503 00001 00000 35260	MFSK-16/29Bd	(AB)
XPA2	30-9	0820	14974	Fri	08503 00001 00000 35260	MFSK-16/29Bd	(AB)
XPA2	30-9	0840	16274	Fri	08503 00001 00000 35260	MFSK-16/29Bd	(AB)
XPA2	30-9	1100	13431	Fri	07289 00001 00000 36667	MFSK-16/29Bd	(AB/MPJ)
XPA2	30-9	1120	12131	Fri	07289 00001 00000 36667	MFSK-16/29Bd	(AB/MPJ)
XPA2	30-9	1140	11431	Fri	07289 00001 00000 36667	MFSK-16/29Bd	(AB/MPJ)
XPA2	30-9	1200	13484	Fri	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPA2	30-9	1220	14684	Fri	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPA2	30-9	1240	15984	Fri	00853 00218 87406 ... 06454 55221 72502	MFSK-16/29Bd	(AB)
XPB1	3-9	1100	13521	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1110	13421	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1120	12221	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1130	11521	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1140	11021	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1150	10521	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1200	14462	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1210	13962	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1220	13462	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1230	12162	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1240	11562	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	3-9	1250	10962	Sat	Russian intel.	MFSK-6	(AB/HFD)
XPB1	4-9	1900	12139	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-9	1910	10939	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-9	1920	9339	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-9	1930	8139	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-9	1940	6939	Sun	Russian intel. mixing with P03	MFSK-16	(AB/HFD)
XPB1	4-9	1950	5839	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-9	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-9	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-9	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-9	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-9	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	5-9	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-9	0500	13435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	0510	13935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	0520	14435	Tue	Russian intel.	MFSK-16	(AB)

XPB1	6-9	0530	14835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	0540	15935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	0550	16225	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1900	12139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1910	10939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1920	9339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1930	8139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-9	1940	6939	Tue	Russian intel. mixing with P03	MFSK-16	(AB)
XPB1	6-9	1950	5839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-9	1100	13521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	7-9	1110	13421	Wed	Russian intel.	MFSK-6	(AB)
XPB1	7-9	1120	12221	Wed	Russian intel.	MFSK-6	(AB)
XPB1	7-9	1130	11521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	7-9	1140	11021	Wed	Russian intel.	MFSK-6	(AB)
XPB1	7-9	1150	10521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1100	13521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1110	13421	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1120	12221	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1130	11521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1140	11021	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1150	10521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1200	14462	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1210	13962	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1220	13462	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1230	12162	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1240	11562	Sat	Russian intel.	MFSK-6	(AB)
XPB1	10-9	1250	10962	Sat	Russian intel.	MFSK-6	(AB)
XPB1	11-9	1900	12139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1910	10939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1920	9339	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1930	8139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1940	6939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11-9	1950	5839	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12-9	1200	14462	Mon	Russian intel.	MFSK-16	(VSh/RL)
XPB1	12-9	1210	13962	Mon	Russian intel.	MFSK-16	(VSh/RL)
XPB1	12-9	1220	13462	Mon	Russian intel.	MFSK-16	(VSh)
XPB1	12-9	1230	12162	Mon	Russian intel.	MFSK-16	(VSh)
XPB1	12-9	1240	11562	Mon	Russian intel.	MFSK-16	(VSh)

XPB1	12-9	1250	10962	Mon	Russian intel.	MFSK-16	(VSh)
XPB1	13-9	1900	12139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-9	1910	10939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-9	1920	9339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-9	1930	8139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-9	1940	6939	Tue	Russian intel. mixing with P03	MFSK-16	(AB)
XPB1	13-9	1950	5839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-9	1100	13521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	14-9	1110	13421	Wed	Russian intel.	MFSK-6	(AB)
XPB1	14-9	1120	12221	Wed	Russian intel.	MFSK-6	(AB)
XPB1	14-9	1130	11521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	14-9	1140	11021	Wed	Russian intel.	MFSK-6	(AB)
XPB1	14-9	1150	10521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	15-9	1200	10256	Thu	Russian intel. Test	MFSK-16	(T101/VSh)
XPB1	15-9	1210	11431	Thu	Russian intel. Test	MFSK-16	(T101/VSh)
XPB1	15-9	1300	12158	Thu	Russian intel. Test	MFSK-16	(PY)
XPB1	17-9	1100	13521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1110	13421	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1120	12221	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1130	11521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1140	11021	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1150	10521	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	17-9	1200	14462	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	17-9	1210	13962	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1220	13462	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1230	12162	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1240	11562	Sat	Russian intel.	MFSK-6	(AB)
XPB1	17-9	1250	10962	Sat	Russian intel.	MFSK-6	(AB)
XPB1	18-9	1900	12139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1910	10939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1920	9339	Sun	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1930	8139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1940	6939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	18-9	1950	5839	Sun	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1900	12139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1910	10939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1920	9339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1930	8139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1940	6939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-9	1950	5839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-9	0740	9142	Thu	Russian intel.	MFSK-16 32.89Bd	(VSh)
XPB1	22-9	0750	11431	Thu	Russian intel.	MFSK-16 32.89Bd	(VSh)
XPB1	22-9	0830	10256	Thu	Russian intel.	MFSK-16 131.58Bd	(VSh)
XPB1	22-9	0900	10256	Thu	Russian intel.	MFSK-16 131.58Bd	(VSh)

XPB1	22-9	0910	11431	Thu	Russian intel.	MFSK-16 131.58Bd	(VSh)
XPB1	22-9	0920	9142	Thu	Russian intel.	MFSK-16 131.58Bd	(VSh)
XPB1	23-9	0700	9142	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0710	10256	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0720	11431	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0730	12158	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0740	13439	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0750	14712	Fri	Russian intel.	MFSK-16	(VSh)
XPB1	23-9	0830	10256	Fri	Russian intel.	MFSK-16 32.89Bd	(VSh)
XPB1	23-9	0900	10250	Fri	Russian intel. Error	MFSK-16	(VSh)
XPB1	23-9	0900	10256	Fri	Russian intel.	MFSK-16 131.58Bd	(VSh)
XPB1	24-9	1100	13521	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	24-9	1110	13421	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1120	12221	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1130	11521	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1140	11021	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1150	10521	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	24-9	1200	14462	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	24-9	1210	13962	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1220	13462	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1230	12162	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1240	11562	Sat	Russian intel.	MFSK-6	(AB)
XPB1	24-9	1250	10962	Sat	Russian intel.	MFSK-6	(AB/MPJ)
XPB1	25-9	1900	12139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1910	10939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1920	9339	Sun	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1930	8139	Sun	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1940	6939	Sun	Russian intel.	MFSK-16	(AB)
XPB1	25-9	1950	5839	Sun	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0500	13435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0510	13935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0520	14435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0530	14835	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0540	15935	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	0550	16225	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	26-9	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-9	0500	13435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	0510	13935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	0520	14435	Tue	Russian intel.	MFSK-16	(AB)

XPB1	27-9	0530	14835	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	0540	15935	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	0550	16225	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1900	12139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1910	10939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1920	9339	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1930	8139	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1940	6939	Tue	Russian intel.	MFSK-16	(AB)
XPB1	27-9	1950	5839	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-9	1100	13521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	28-9	1110	13421	Wed	Russian intel.	MFSK-6	(AB)
XPB1	28-9	1120	12221	Wed	Russian intel.	MFSK-6	(AB)
XPB1	28-9	1130	11521	Wed	Russian intel.	MFSK-6	(AB)
XPB1	28-9	1140	11021	Wed	Russian intel.	MFSK-6	(AB)
XPB1	28-9	1150	10521	Wed	Russian intel.	MFSK-6	(AB)

CONTRIBUTORS

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AB-AUT	Ary Boender via remote rx Austria
AB-BLR	Ary Boender via remote rx Belarus
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-HK	Ary Boender via remote rx Hong Kong
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
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HFD-FIN	Hans-Friedrich Dumrese via remote rx Finland
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)
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
OH8EFI	OH8EFI Finland (via Priyom)
Phil	Philco, NJ, USA
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
RR2	Rich Ray, IL, USA
Sublio	Sublio
T101	RadiotekhnikaT101 via Priyom
Time	Time Machine
VSh	V. Shortwaver
XAH	Xaver Andreas Hellmeier, Germany
XAH-POL	Xaver Andreas Hellmeier via remote rx Poland

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
E06	English	Russia	G06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, G06b, S06, S06b, S06c, M14, F01, F06, F06a
G06b	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, G06b, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, G06b, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRÖ daily schedule
UM10	Morse	?	

Digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
SK01	Various	Cuba	
X06	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06a	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06b	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06c	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06d	CW	Russia	X06a, X06b, X06c, X06d
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB1	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba | y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	.. - - -	Comma	[,]	- - . . - -
C	- . - .	3	... - -	Colon	[:]	- - - . . .
D	- . .	4	.... -	Question mark	[?]	.. - - . .
E	.	5	.....	Exclamation mark	[!]	- . - . - -
F	.. - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H	....	8	- - - . .	Slash	[/]	- . . - .
I	..	9	- - - . .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. -
L	. - . .			Equals sign	[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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110 27364 92630 89428 61280 13982 30498 32764 81274 81
186 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91018 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27601 56701 57601 73648 1
701 87364 87265 96718 27638 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 8
87 37432 74328 78674 29867 32867 67867 86786 43286 4
57 68768 68763 34234 34238 68768 62342 48273 48768 28
336 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
741 86743 86743 86743 86743 86743 86743 86743 86743 4
343 98798 98754 98754 98754 98754 29867 67543 67986 86
16 87698 69876 87698 69876 87612 12341 34867 86798 62
607 43298 65656 54756 56123 32143 14321 32143 14321 32
101 12787 58765 76587 58765 76587 58765 76587 58765 76
102 102 102 102 102 102 102 102 102 102

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