

27364	92836	09428	01208	14782	46198	32704	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	43296
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	76587	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #280, January 2021

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

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

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



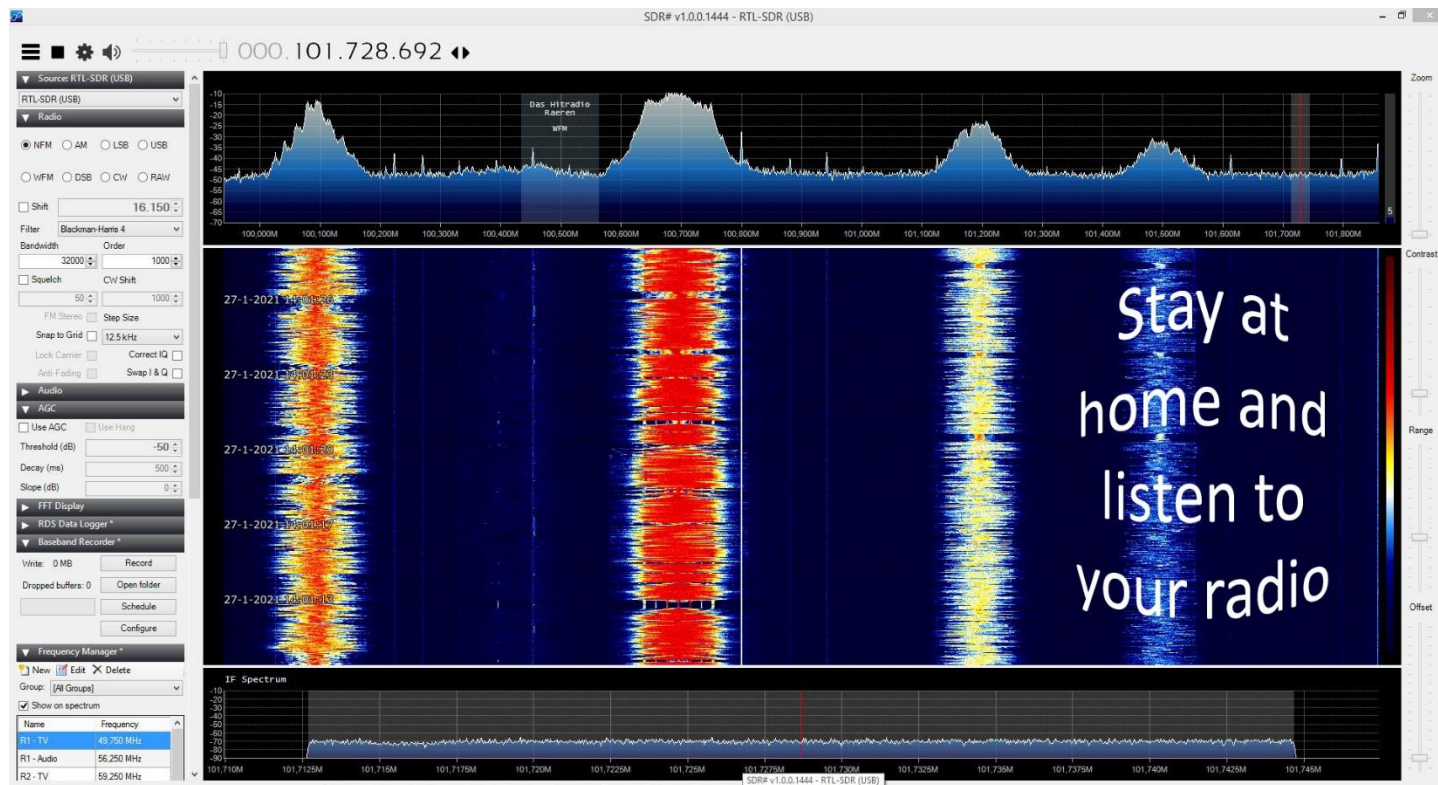
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FOREWORD

The COVID-19 pandemic has changed our lives. It's a pain in the neck and we really must get rid of it. There is only one good thing about it: many ex-dxers return to the hobby. Lockdowns and other restrictions prevent us to do the things we want to do and a lot of people are now looking for something else to do and take up their old hobby. Welcome back ladies and gentlemen !!!



M23 and HM01 sure kept us busy in January. HM01 hasn't been so active in a very long time and I've never seen so many M23 transmissions in one month. I still wonder who is really behind M23. S06 had several weekly schedules too and Bulgarian PROMRÖ daily sends its messages at 0800z. Any information about this station is appreciated!!

Welcome to yet another edition of Numbers & Oddities !!!

VOICE STATIONS

E06

13945 kHz, 07-01/08-01, 0600 UTC / 16350 kHz, 07-01/08-01, 0700 UTC

139 607 52

96873 22515 80770 96240 89313 32055 51403 95224 69105 34173

71831 16771 24919 09007 01700 28891 20808 71827 67341 88134

38909 05262 16634 82598 38246 72080 76685 89104 84339 81987

81535 80461 29300 10851 62066 43775 47106 95816 15311 95721

53734 54734 95335 05738 66847 03340 92901 63053 84721 68625

96078 48513

607 52 00000

13945 kHz, 21-01/22-01, 0600 UTC / 16350 kHz, 21-01/22-01, 0700 UTC

139 428 56

35650 49024 03507 96241 96170 84447 10636 11438 18864 68703
84596 38304 06779 17504 81275 17771 48051 61442 78212 35465
35449 62484 50843 71562 59853 00099 96877 91445 07340 75450
51018 88038 14575 07095 57195 11730 62188 16620 90510 48836
10832 27661 46067 34528 09591 26736 36898 11185 31453 59330
68146 68073 15517 59681 79715 23335
428 56 00000

E07

14472/14972/16272 kHz, 12-01/15-01, 0700/0720/0740 UTC

492 492 492 1 370 58 370 58

84157 36386 27797 20533 58628 75286 13632 63210 54405 33895
71913 44111 62636 39293 03477 26486 08242 15552 08392 78448
81889 35299 75646 23606 46216 60668 14527 73356 88377 91378
80037 48990 58787 94122 25355 73907 01214 26350 44177 52166
03490 89626 16553 12638 02528 96722 00181 54869 04187 92941
70091 48334 45518 08953 82907 87604 71879 54383 000 000

6776/5767/5067 kHz, 18-01/20-01, 2000/2020/2040 UTC

770 770 770 1 692 112 692 112

56253 00975 08365 20081 22512 18337 30634 56921 99290 82390
29737 61509 34743 84594 88233 99006 16741 95749 00446 29988
93222 24864 91901 36603 14488 39495 68907 39397 15064 20285
05649 44443 91571 81370 77405 80255 51916 85972 09938 81348
36129 94399 90563 09571 22290 44211 63237 92937 02940 19692
32072 31757 66937 70676 94362 28388 63017 01532 26889 31604
27193 79090 01112 45204 44155 64966 09292 06832 88587 93631
59931 44710 10613 06766 40194 89406 09992 90427 96872 71741
03250 79117 02528 65597 14428 20781 46472 61024 14003 01774
76293 28592 14944 37196 30798 53617 03572 17841 46278 53152
65066 19778 74342 08059 33211 36624 10604 78870 19118 88445
49340 07216 000 000

11593/10293/9293 kHz, 21-01/23-01, 1410/1430/1450 UTC

916 916 916 1 9664 35 9664 35

84748 90431 26132 78696 28333 21770 83296 58351 91322 65218
96927 06695 69706 48432 36358 58102 88785 26196 81101 88802
19735 22826 81712 34293 44342 42773 64791 36877 52248 98489
74658 70934 00859 12523 46867 000 000

14472/14972/16272 kHz, 26-01/29-01, 0700/0720/0740 UTC

492 492 492 1 398 58 398 58

82703 65490 31700 13297 79803 39287 08160 77733 76237 09932
58247 17264 08151 84631 89951 99030 62630 28942 69887 81075
57334 88215 15099 86293 52152 86345 73770 28583 96146 22502
67379 55194 52742 09270 44138 91218 40000 63358 30727 40729
36363 40784 74973 32083 31058 74722 51554 76553 97448 84845
83667 56803 91695 49693 02942 73987 92037 54062 000 000

E11a

4909 kHz, 04-01, 0450 UTC

5779 kHz, 07-01, 1730 UTC

412/39 Attention

79022 46058 98561 53421 91318 83649 13952 26708 33558 05152
38702 31828 36868 81714 44788 83401 31839 76798 59343 83661
44883 36115 70000 78785 99815 35366 39081 04219 51630 59253
71339 28720 03619 87000 78153 94351 97243 90357 20009

Attention (message repeated) Out

6849 kHz, 04-01/07-01, 1900 UTC

644/33 Attention

01293 77389 44546 17964 95013 61302 50948 09585 13964 41305
26593 13941 87443 23689 27271 15158 98067 65995 05072 57172
31243 07231 09734 76951 53369 18742 72440 39872 57833 18055
09960 30846 61250

Attention (message repeated) Out

13908 kHz, 05-01/07-01, 0745 UTC

223/34 Attention

30342 88250 18654 29147 43265 45750 76183 55056 85195 65374
85962 56840 92690 53381 57388 29382 38270 50106 87551 92451
04770 12250 76532 34123 54157 10059 58263 71892 22409 67935
54180 51152 80706 51377

Attention (message repeated) Out

14611 kHz, 05-01/06-01, 0820 UTC

133/34 Attention

76872 10643 52405 94950 12996 03382 12143 80760 39058 41984
33438 58903 37458 41680 38309 55261 05976 01432 97945 38538
47513 97750 45782 43680 53672 61723 44322 22664 21733 84515
41934 02311 98469 96416

Attention (message repeated) Out

12089 kHz, 05-01/07-01, 0845 UTC

156/24 Attention

45434 01779 71912 22692 70782 50505 06646 25640 59291 70242
08375 93234 15450 52026 02954 71870 30507 66827 57212 58911
38901 83550 66921 79327

Attention (message repeated) Out

8597 kHz, 05-01/08-01, 1000 UTC

306/32 Attention

95095 15195 12863 21837 52189 78614 44687 00619 86483 67682
68218 25640 19836 38258 31613 88079 45897 82921 39997 54537
62392 92801 04309 20479 84118 15302 17659 91691 46381 16260
75396 37574

Attention (message repeated) Out

6433 kHz, 05-01/06-01, 1205 UTC

469/31 Attention

03409 53295 64307 03111 90304 80928 52741 17121 18085 83806
03053 23610 43343 93273 71975 97025 20067 85152 66838 66511
39985 64877 37635 69225 49045 28021 56611 89933 33048 30172
09476

Attention (message repeated) Out

5149 kHz, 07-01/08-01, 0820 UTC

435/39 Attention

85883 75771 45534 93956 47299 61402 63616 37933 89238 38776
80872 47565 05685 69171 34757 17647 24652 20707 57946 27714
96686 47881 11099 99099 05586 71046 02260 69454 34270 76025
90889 22742 95818 38197 81378 11114 74149 46942 82899

Attention (message repeated) Out

10487 kHz, 08-01/10-01, 1910 UTC

618/33 Attention

84762 45504 64630 41055 55727 49487 85594 79688 03021 80597
75474 74125 61085 09764 75136 37187 91817 90493 94808 34310
70346 73504 95731 40983 59925 57658 54815 11137 68891 90192
18133 78368 06203

Attention (message repeated) Out

11450 kHz, 11-01/13-01, 0640 UTC

942/37 Attention

72038 94701 47129 61084 50953 44471 03596 45154 54982 61740
46758 32487 32733 09216 57681 67758 97234 72611 06537 46756
58823 92049 44860 22368 12613 16752 25593 16077 07920 31072
30024 55521 00301 89397 71004 54102 33039

Attention (message repeated) Out

7984 kHz, 11-01, 1045 UTC

690/35 Attention

24571 23645 17248 17546 81761 86548 16875 68746 76176 58176
80157 66794 38018 16174 87568 47561 87601 65875 46084 75601
83456 47561 34876 53847 56834 56834 65456 48600 75610 86100
16445 64648 65463 56484 89358

Attention (repeat message) Out

9130 kHz, 12-01/15-01, 0715 UTC

639/35 Attention

56972 66347 37730 78448 56434 16652 74256 48043 57451 26690
40640 42309 38460 87633 16113 56674 84668 73002 00478 60394
73360 87219 96100 86143 32031 59507 75901 36895 18192 96736
54933 86345 27319 14674 89159

Attention (message repeated) Out

13363 kHz, 12-01/16-01, 1345 UTC

910/32 Attention

16242 55457 51689 38328 11725 03614 93782 47976 57449 95951
93294 44302 85268 23596 32355 06911 30967 38934 98641 20607
79060 10209 13273 20107 64933 27414 99885 66820 07245 40471
84032 97272

Attention (message repeated) Out

17378 kHz, 13-01/15-01, 0745 UTC

344/34 Attention

72609 06086 53722 01165 32522 74680 16165 30786 67708 28422
61272 94131 11846 60778 85014 66870 10897 75997 91740 55470
51615 53031 70161 96410 76633 62386 91268 70330 59072 31423
01051 01996 48584 41067

Attention (repeat message) Out

7984 kHz, 13-01, 1045 UTC. Note: not the usual repeat of 11 Jan but a new message

690/35 Attention

55082 67661 77867 39414 42203 14724 64296 45193 04607 99197
93748 04167 28241 95277 03863 72220 81157 18730 00845 36817
74418 66832 80793 49213 47995 72418 33383 54614 16823 30172
11931 72076 05518 71844 04924

Attention (message repeated) Out

7840 kHz, 14-01, 0645 UTC

514/34 Attention

17532 93604 81373 30497 64816 67317 61937 78926 47640 92522
70307 97736 51099 17415 83333 81933 92148 31697 33834 88765
68910 78467 93810 06306 45137 83022 40132 28574 17327 25289
72134 56193 59679 52354

Attention (message repeated) Out

6849 kHz, 15-01/17-01, 1650 UTC

926/31 Attention

34962 37079 44609 34100 94971 04130 20975 25998 01937 20715
49954 56777 13817 68996 34475 87611 98413 85915 79937 95192
58730 13599 33023 57551 29188 10233 22395 31572 78045 98118
78996

Attention (message repeated) Out

4909 kHz, 16-01/17-01, 1930 UTC

367/39 Attention

16172 25727 86507 05063 72399 38037 80012 24742 36023 66869
33765 59521 29150 16458 90960 48362 31480 99675 89347 15082
96670 17179 06478 60521 17054 89118 11510 44092 13817 92761
69809 14711 28894 19347 86230 32566 26328 74262 69993

Attention (message repeated) Out

10213 kHz, 18-01, 0745 UTC / 5409 kHz, 21-01, 1530 UTC

260/39 Attention

83834 26322 28768 94662 54389 60186 99229 88153 30387 67947
32008 45930 25521 96997 29341 23878 10705 56635 41289 95063
25316 19693 01099 35728 08252 78573 17492 43945 16913 97127
77465 42394 31142 92348 52030 97994 83643 35193 42237

Attention (message repeated) Out

12924 kHz, 18-01/25-01, 1745 UTC

244/34 Attention

27993 66529 66748 42603 64119 72266 08449 96832 09001 91823
71505 58249 03463 31490 44116 38552 65212 51116 20538 97697
40244 43324 42294 96793 45057 54565 72552 19518 20446 17303
04022 02595 48010 99264

Attention (message repeated) Out

6804 kHz, 19-01/22-01, 0700 UTC

577/39 Attention

51153 91779 68686 77577 34353 10061 09741 43705 01247 09568
89937 91848 30554 95135 08261 34656 65430 27815 80706 24955
61459 06080 36745 23688 23033 97075 55219 23715 25861 54611
22883 29257 54564 19722 51948 84931 68005 75260 03576

Attention (message repeated) Out

7469 kHz, 20-01,/21-01 0930 UTC

270/37 Attention

82756 59811 27453 06844 05620 73243 64274 13112 63055 24501
60708 86088 98599 14561 60685 34413 04395 75948 69920 14291
13235 63696 85647 80297 99933 84358 06175 58296 18829 65719
05284 77656 88080 87109 89380 42183 61732

Attention (message repeated) Out

5082 kHz, 20-01/25-01, 1625 UTC

974/38 Attention

25102 72135 94537 11126 07102 40982 75628 05253 41989 96507
91132 21196 38694 37359 77490 81945 12875 60629 19144 78467
08908 64951 39304 32735 68743 65783 85614 60861 48699 62367
33233 60806 70057 04305 30888 61095 52444 93770

Attention (message repeated) Out

4909 kHz, 23-01/24-01, 0805 UTC

316/39 Attention

64643 57292 30214 36534 56026 24339 88818 72766 97382 13337
13687 48821 61326 80744 36005 92648 08114 10323 52460 79119
48711 07898 30803 09355 98190 04588 22630 48433 67019 31565
17781 33793 87014 39412 42674 06216 92544 16212 34583

Attention (message repeated) Out

12424 kHz, 25-01/29-01, 0830 UTC

183/39 Attention

33628 25769 21012 46846 88539 79256 21880 08365 43182 88599
20911 96250 74593 59808 12865 32797 22127 10259 62704 20754
27479 24554 15595 71105 52942 15513 11434 28273 75454 09899
85629 79345 08582 26156 60993 04609 10741 98089 63484

Attention (message repeated) Out

12067 kHz, 25-01/27-01, 0845 UTC

713/32 Attention

17848 32076 75708 85134 86806 13191 35988 34566 76506 96834
54844 21663 44768 66124 72899 60199 99100 53484 98688 22668
08912 36068 66150 48768 32290 49636 67242 97815 35763 29352
80590 17546

Attention (message repeated) Out

8597 kHz, 25-01/27-01, 0900 UTC

536/37 Attention

17098 62899 97191 20044 65088 29232 35708 63773 81849 30718
98189 50066 98421 48821 54866 57581 41084 83964 91960 24639
52680 01506 18520 46699 22278 87935 19898 65217 60342 97864
33914 60821 80109 92672 69388 40011 16558

Attention (message repeated) Out

5082 kHz, 25-01/29-01, 1530 UTC

522/35 Attention

53010 21200 71449 92436 87542 76682 89619 11019 49604 76652
58355 80021 37130 73463 18148 50767 54363 33225 85024 03813
21189 79883 26207 39861 60811 14107 62330 94278 82487 89437
41325 10964 89817 88945 62474

Attention (message repeated) Out

4146 kHz, 25-01, 1920 UTC

121/25 Attention

52154 86325 89012 40256 32011 47850 02369 85214 79520 36950
12478 52012 15963 02145 87565 23012 25489 65201 36547 89201
48756 30012 45896 35836 58742

Attention (message repeated) Out

4242 kHz, 25-01, 1940 UTC

121/25 Attention

25489 65213 65874 52301 20356 98745 20125 63201 45875 63201
25401 25889 63021 45621 04786 32012 54896 30124 58702 56032
01458 20156 98563 01254 85630

Attention (message repeated) Out

4505 kHz, 25-01, 2000 UTC

121/25 Attention

25489 63201 24875 22013 65874 59630 12458 70123 69850 01245
87965 23015 47896 54201 36520 14789 65203 21458 79652 01245
87965 20121 36548 79601 23501

Attention (message repeated) Out

5344 kHz, 26-01/31-01, 1605 UTC

238/34 Attention

76701 47293 88052 21265 21806 63870 90911 08511 42690 09715
77920 13278 93048 11016 51177 85981 72805 33619 69048 89835
28964 75382 84009 62997 89479 29982 07552 02894 58330 20134
33519 04186 05034 04205

Attention (message repeated) Out

4505 kHz, 26-01, 1920 UTC

121/25 Attention

64599 16481 06160 16578 45676 34902 50659 25602 35623 49271
01607 50767 34856 83054 63782 80242 98924 72947 29092 82929
71143 24531 40933 08567 65606

Attention (message repeated) Out

4242 kHz, 26-01, 1940 UTC

121/25 Attention

00987 09870 63769 83756 09367 69837 79897 89173 42183 86982
 50984 91063 59028 35928 59864 93634 34400 80101 81008 14741
 04787 59235 73467 57648 93290
 Attention (message repeated) Out

4146 kHz, 26-01, 2000 UTC

121/25 Attention

99475 36749 86739 39754 02110 34077 90977 29395 72957 20305
 05763 02798 81965 81687 46586 39501 60011 01027 02738 64510
 61674 56435 34997 65334 96903
 Attention (message repeated) Out

4505 kHz, 27-01/30-01, 1705 UTC

391/33 Attention

09739 04427 75653 87578 31177 05216 13184 17925 73454 20218
 38235 71859 05579 77663 40100 90825 23026 22144 02435 75559
 56650 51442 39748 66760 17404 61428 59152 96199 43198 32666
 58282 52642 88487
 Attention (message repeated) Out

4505 kHz, 30-01/31-01, 0710 UTC

497/34 Attention

42046 02936 36829 20673 61963 27092 27673 17537 94559 08116
 65394 94842 52345 68254 27869 17410 75271 83158 83255 89611
 07561 17060 18462 33545 30408 28511 43805 43813 49005 38275
 44371 71313 47348 85683
 Attention (message repeated) Out

E17z**11170/9820 kHz, 07-01/14-01, 0800/0810 UTC**

217 854 6 69856 82541 98423 79003 15452 13222 854 6 00000

11170/9820 kHz, 21-01, 0800/0810 UTC

217 896 5 88620 17228 15636 47891 23227 896 5 00000

S06**9946/8095 kHz, 03-01, 0930/1000 UTC**

480 672 40

60191 55235 55110 92008 10140 45365 59541 89197 92539 64453
 29592 99312 05121 16999 77299 80729 51842 18973 30942 57563
 18917 65670 07835 69607 17737 44924 20307 49406 37855 77934
 68300 25052 97700 01827 19382 93471 31816 00691 33721 03136
 672 40 00000

7377/5410 kHz, 09-01, 1300/1330 UTC**9946/8095 kHz, 10-01, 0930/1000 UTC**

480 391 40

25259 82385 32074 31883 76448 05336 74694 70217 45945 94752
 96209 52957 46195 69443 67819 76785 81672 16034 48159 48597
 34507 52090 24544 08172 34242 12897 44405 90742 88350 16349
 13982 31355 28220 76863 98143 60279 90337 71635 06269 35975
 391 40 00000

7377/5410 kHz, 16-01, 1300/1330 UTC

9946/8095 kHz, 17-01, 0930/1000 UTC

480 576 44

78430 31192 49124 23068 95405 58261 82515 27048 56151 54890
39941 74423 34229 30007 61753 67546 19795 69197 29868 40529
18027 92425 68208 21206 48133 98220 41359 58310 86475 50996
73201 71458 72797 15128 28810 62853 29344 45434 04714 58814
36804 26660 57159 43347
576 44 00000

7377/5410 kHz, 23-01, 1300/1330 UTC

9946/8095 kHz, 24-01, 0930/1000 UTC

480 321 45

26968 41395 63128 96786 40981 20337 35927 48027 34648 30416
98984 84605 62433 92695 18405 48811 46057 69549 98345 46084
51275 56631 32823 01662 61147 39116 81816 88102 52005 49441
82278 69397 10380 76271 14863 88731 73774 73536 63766 95243
28064 45881 72465 94685 14422
321 45 00000

7377/5410 kHz, 30-01, 1300/1330 UTC

9946/8095 kHz, 31-01, 0930/1000 UTC

480 675 41

37428 93523 64082 66656 82322 41345 47287 45244 79990 55125
53932 84261 81065 15116 11647 59750 38171 67320 81254 14907
93502 03509 36186 95310 79960 07326 52160 18011 51109 63456
71343 84626 12319 77855 15874 69732 20702 50068 21427 56804
68700
675 41 00000

S06s

11040 kHz, 08-01, 0830 UTC

156 408 7 30982 57442 93845 87709 48840 06625 28524 stopped/off.

Restart at 0837 UTC: 156 (R) 57442 93845 87709 48840 06625 28524 408 7 00000

13470 kHz, 11-01, 0630 UTC

Two restarts at 0632 and 0634 UTC

462 590 7 46062 68672 97478 39685 20475 86633 52537 590 7 00000

7062 kHz, 27-01, 0830 UTC

464 203 5 11171 64385 82707 06123 22536 203 5 00000

Interrupted by a HAM during most of the transmission: "Shut up. QSY off the amateur radio band", then keying.

S11a

9057 kHz, 04-01/06-01, 0510 UTC

657/30 Vnmaniye

76843 91316 45919 17847 24697 25350 66647 34544 10597 58049
90688 10563 12815 47629 45106 74023 30775 32855 71323 12001
56335 10313 46442 41016 74219 25568 78265 84027 35351 08086
Vnmaniye (message repeated) Konets

12153 kHz, 04-01/06-01, 0715 UTC

381/33 Vnmaniye

04431 80298 98717 01983 87613 83205 16212 63982 04470 13429
93952 86531 35020 20702 59224 31587 84460 04118 44698 37721
03517 63716 47785 58322 33680 70552 70738 63578 00071 12829
18595 37090 55435

Vnmaniye (message repeated) Konets

11486 kHz, 06-01/09-01, 1850 UTC

288/35 Vnimanije

24281 89717 53307 57182 65512 18778 01532 56384 27880 39628
03450 13964 03285 49639 15869 99600 18338 85891 28680 44204
63799 34557 28182 62629 60368 71640 85145 26779 21408 54713
34247 82685 83959 56105 89765

Vnimanije (message repeated) Konets

9050 kHz, 18-01/21-01, 0700 UTC

475/35 Vnimanije

59005 83967 61600 21916 28554 06092 41826 91996 50352 30782
23852 51446 17645 27486 88029 20449 87709 83481 07484 50866
69543 67342 46615 99991 73122 83725 00045 61317 22245 41922
34460 44951 23277 27333 00513

Vnimanije (message repeated) Konets

8102 kHz, 19-01/22-01, 1020 UTC

424/36 Vnimanije

65332 61314 84126 15666 53280 21944 77776 02586 83731 70772
96302 64368 33296 04942 49222 96286 59831 69535 07328 55517
96371 82284 96194 14457 64669 13628 22362 26915 47259 49765
36818 06466 95869 00142 94324 62670

Vnimanije (message repeated) Konets

5371 kHz, 27-01/29-01, 1135 UTC

379/31 Vnimanije

94959 12424 95256 95211 88028 60304 55458 35921 86036 13521
15991 15551 96103 89321 81442 97559 49753 15809 84967 60403
73205 14646 46135 29530 35636 14931 14570 45746 71033 15002
93826

Vnimanije (message repeated) Konets

4242 kHz, 29-01, 0915 UTC

481/36 Vnimanije

36201 82375 80268 46949 43681 05869 43108 34128 66431 65268
54459 83691 11183 71558 21069 05067 92277 83891 02379 05924
36187 18981 84552 41267 66698 19968 20866 51337 78162 26329
31499 65757 80899 96211 73982 59070

Vnimanije (message repeated) Out

V07**15893/14693 kHz, 10-01, 0100/0120 UTC**

868 868 868 000 000

15893/14693/13893 kHz, 17-01, 0100/0120/0140 UTC

868 868 868 1 520 118 520 118

71615 31648 25750 22031 47269 77310 83170 64251 40122 65811
46406 66382 06969 45598 89178 62216 74405 14689 73083 61594
64990 32815 52340 55486 49144 53235 68811 41284 49388 63901
85855 38493 32082 80387 71870 21218 12390 61552 03532 00563
83740 96314 48177 59165 88421 56557 27745 87763 09346 09854
63990 86946 07183 18535 49849 02305 57400 64985 19687 18304
97250 11945 43682 23183 66659 92869 07278 80473 51948 60188
22622 23061 44220 46236 51970 77940 30945 07965 34057 01825
10511 86546 80942 05173 53590 36027 76181 81461 55703 33118
45936 60021 18376 02096 95130 45104 56032 37683 19551 77340
17280 29227 76925 08883 22261 18053 74278 28080 97502 88280
17167 02463 31498 81542 88730 31117 75904 12495 000 000

15893/14693/13893 kHz, 24-01, 0100/0120/0140 UTC

868 868 868 1 879 120 879 120

03073 45919 95749 14425 23096 84508 86695 22140 94916 76369
 61362 82128 43647 13380 25777 50394 29209 34579 16163 93691
 59397 43110 51758 12632 95326 01895 80527 55951 58641 60508
 56157 02900 46182 68742 82911 18743 01556 56273 71348 83523
 36501 67246 98481 12881 15281 75526 02648 91399 70186 00058
 36387 69689 70976 88215 81820 24220 12012 74044 77370 85101
 04661 14268 21146 29576 04357 03966 45696 21212 90300 81989
 14459 37332 80685 66532 96113 99032 63979 27661 07238 92192
 40822 92330 55674 31089 30761 64447 94745 70122 28624 50998
 68457 81900 59854 08052 54530 63264 25659 35696 18566 27050
 54957 56119 87998 70997 89357 08334 24798 73890 68231 66846
 96290 92921 40585 28221 76211 31713 32014 13205 84057 63085
 000 000

15893/14693/13893 kHz, 31-01, 0100/0120/0140 UTC

868 868 868 1 155 98 155 98

78926 75608 45067 82946 04107 02282 03328 61790 56097 73323
 51843 92135 01314 20682 70102 21602 83848 56871 05334 78703
 25347 27090 06073 29984 84457 06925 27432 18356 23288 12839
 80301 12604 69599 26721 54659 21211 56164 69779 98119 42714
 35790 61275 74352 16330 82590 52961 44283 46042 72961 34398
 04979 10044 12041 44891 99970 23334 86606 89659 14405 05016
 82798 38018 70138 55851 21888 58472 29712 09788 15439 85630
 75450 76512 82860 33102 97945 29390 17053 46275 90617 96190
 43450 43545 53869 30642 81816 02765 96553 10917 37929 99165
 24941 32964 22408 59220 81511 12603 08570 53961 000 000

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

7688 kHz, 30-01, 1300 UTC New Star Broadcasting

7688 kHz, 31-01, 1300 UTC New Star Broadcasting

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

8049 kHz, 06-01, 1330 UTC

8049 kHz, 06-01, 1417 UTC

8049 kHz, 07-01, 0657 UTC

VC03 - Chinese Air Defense

8126 kHz, 06-01, 1426 UTC

MORSE STATIONS**MX**

8821 kHz, 22-01, 0800 UTC Marker S (R5)

8821 kHz, 22-01, 0830 UTC Marker S (R5)

8821 kHz, 22-01, 0900 UTC Marker S (R5)

8821 kHz, 22-01, 0930 UTC Marker S (R5)

8821 kHz, 22-01, 1000 UTC Marker S (R5)

8821 kHz, 22-01, 1030 UTC Marker S (R5)

8821 kHz, 22-01, 1130 UTC Marker S (R5)

8821 kHz, 22-01, 1200 UTC Marker S (R5)

8821 kHz, 22-01, 1230 UTC Marker S (R5)

8821 kHz, 22-01, 1300 UTC Marker S (R5)

5320 kHz, 05-01, 1800 UTC. Errors and different repeats in red.

197 650 650 40 30 = =
 91442 69705 93867 55616 42459 88196 72112 80374 23322 68889
 32851 49632 68599 85309 85399 54070 55284 53370 88782 05932 59048
 93392 27598 30403 58217 48269 42693 09346 32151 63386 50010
 = = 817 817 30 30 000

4490 kHz, 05-01, 2000 UTC. Errors in red. Groups 14 and 30 were not repeated.

197 817 817 30 30 = =
 91442 26114 96259 53645 58931 45681 77512 84321 14213 63650
 66106 07874 65776 19859 76672 45531 06796 62115 23248 63546
 15425 88357 52853 36357 96217 22004 48262 30600 68642 57286
 = = 650 650 30 30 000

4490 kHz, 07-01, 2000 UTC

197 237 237 30 30 = =
 77882 77130 79928 25170 59442 (59224) 76188 06843 54096 48078 46503
 31578 40911 58831 07593 41877 87209 42992 02835 58653 29260
 78733 26236 82776 67119 65362 23076 30600 67553 90081 06211
 = = 237 237 30 30 000

5810 kHz, 09-01, 1500 UTC

197 184 184 = 30 30 = =
 42733 79714 44861 01465 41706 30841 28806 94537 32736 92559
 09011 62406 11306 67226 67224 48667 48309 29489 39135 95659
 27224 66765 08048 49924 07177 18845 71873 31311 45966 94562
 = = 184 184 = 30 30 000

5465 kHz, 10-01, 0659 UTC

197 551 551 30 30 30
 17173 05409 45065 05631 90326 31018 84965 68255 47123 35288
 52954 27908 12074 02877 75758 19931 70279 61884 43884 61536
 17535 08559 14566 63469 23223 79537 58494 52741 09012 04448
 551 551 30 30 000

5320 kHz, 12-01, 1800 UTC

197 352 352 30 30 = =
 02185 45945 66217 86919 88160 59700 34288 43931 98935 01372
 21201 90613 33595 04000 15981 28428 34295 87121 52987 63601
 34012 28144 62550 86873 83293 61763 84251 17907 78430 26736
 = = 352 352 30 30 000

4490 kHz, 12-01, 2000 UTC

197 391 391 30 30 = =
 95130 03014 54174 24483 70168 04124 69089 12461 67514 40971
 09321 98096 24266 00402 85661 54478 90170 72942 79972 31370
 06669 16595 56622 03387 32691 43392 30418 86188 72243 36497
 = = 391 391 30 30 000

5320 kHz, 14-01, 1800 UTC. Group 15 was only 4 digits and was not repeated.

197 153 153 30 30 = =
 42431 05568 29232 66290 24451 24451 49304 43078 21071 47892
 06450 36926 49631 37093 5381 93768 32992 04333 81968 79765
 70451 87421 79152 09695 86064 90033 15587 82028 28903 89514
 = = 153 153 30 30 000

4490 kHz, 14-01, 2000 UTC

197 770 770 30 30 = =
 55123 00045 53167 93240 62172 41807 33476 03153 29923 72166
 43648 96639 55748 53993 79936 72896 43999 95428 92152 52462
 67438 19110 21513 01842 42061 73874 36099 74284 35491 15939
 = = 770 770 30 30 000

5810 kHz, 16-01, 1500 UTC

197 860 860 30 30 = =
 57150 01549 80558 26637 25905 38458 06303 63567 99435 47572
 50999 47800 80902 19854 37950 81676 58740 52895 40483 05364
 95695 88345 80383 78163 62743 13378 03490 15965 61183 14656
 = = 860 860 30 30 000

5465 kHz, 17-01, 0700 UTC

197 875 875 30 30 = =
 13356 59734 83551 41361 96943 64515 16539 16623 40501 99235
 63896 52236 48485 50596 22466 30497 02373 53077 06324 30098
 35917 43142 83489 04929 81497 29556 40260 79368 12016 59704
 = = 875 875 30 30 000

4490 kHz, 19-01, 2000 UTC. Sent only 19 groups. Different repeat in red

197 109 109 30 30 = =
 92251 95117 37211 58194 14524 43786 54411 41462 19025 43741
 41358 95704 15343 75285 57809 98010 **98101** 02224 85943 88109
 = = 109 109 30 30 000

5320 kHz, 21-01, 1800 UTC. Errors in red

197 598 598 30 30 = =
6.96. 41015 11557 59801 32882 94277 94277 11635 70652 49961
 54242 14244 65123 14244 65123 31295 65232 44905 61855 17661
 60796 01059 19788 55943 32440 65561 51472 73762 73762 15774
 64994 99621 03271 57400
 = = 598 598 30 30 000

4490 kHz, 21-01, 2000 UTC

197 682 682 30 30 = =
 12836 69917 27694 89586 35505 77824 16934 13888 97593 02727
 24547 82553 92342 00695 56235 81178 75427 48910 41760 28715
 09428 37838 72964 60455 50922 78050 67741 89303 30354 33318
 = = 682 682 30 30 000

5810 kHz, 23-01, 1500 UTC. VVV at 1453 UTC. Different repeat in red

197 500 500 30 30 = =
 72993 63907 49666 01377 47570 30986 02121 77590 67046 85931
 52100 84657 65739 01460 27413 42321 97655 29736 05275 54754
 29281 41645 46775 63895 69738 15477 26284 55361 **16213** 19745
 = = 500 500 30 30 000

5465 kHz, 24-01, 0700 UTC. Errors and different repats in red

197 118 118 30 30 **AS AS**
 08252 53604 21814 02934 56037 **6507** 46507 25394 **23594** 18057 48749 79067
 33793 62400 17121 10068 00328 01718 **01717** 04306 92013 65459 27901
 60956 34667 81690 20279 95829 16871 66944 69226 68784 43005
AS AS 118 118 30 30 000

5320 kHz, 26-01, 1800 UTC

197 130 130 30 30 **SK SK**
 77562 01515 65196 95071 80657 82643 03515 06987 70213 46612
 89338 02644 03257 67986 02980 44839 04559 31307 22651 64120
 76039 64744 94850 39142 50083 42309 75975 93517 15788 62152
 = = 130 130 30 30 000

4490 kHz, 26-01, 2000 UTC

197 120 120 30 30 = =
 61154 55624 54888 60100 17580 86327 79005 46385 44223 88358
 66870 61452 85613 52846 43857 15343 22261 77712 60725 01277
 43611 45058 16435 45965 32501 32697 88096 27367 52974 96209
 = = 120 120 30 30 000 000

5320 kHz, 28-01, 1800 UTC. Errors in groups 9 and 12. Group 17 was not repeated.

I am not sure about the last group as the signal faded to almost nil

197 712 712 30 30 = =
 98780 21556 05560 07361 06416 97636 89290 06991 **286991** 28672
 32403 85286 **58286** 17904 81687 06216 99732 12907 88798 48515 23212
 95474 83995 60979 49963 12361 46299 11373 05309 16525 06713
 = = 712 712 30 30 000

4490 kHz, 28-01, 2000 UTC

197 725 725 30 30 = =
 54383 60149 50938 25808 48978 17886 02746 14337 37277 90842
 00604 63441 92200 86765 22860 79370 95562 01605 53103 62595
 50603 47062 59513 54597 86227 37909 56342 82026 92222 77717
 = = 725 725 30 30 000

5810 kHz, 30-01, 1500 UTC (recorder problems so I missed 4 groups)

197 615 615 30 30 = =
 44922 80485 17589 _____ 11395 16740 07570
 91154 39446 09491 31200 72797 08254 61683 52400 74200 95110
 85385 16489 26532 07610 53917 90438 05169 75011 99834 33812
 = = 615 615 30 30 000

5465 kHz, 31-01, 0700 UTC. Groups 8 and 23 were not repeated

197 789 789 30 30 = =
 55777 69252 61735 55166 38557 28965 89405 26941 63993 36190
 70467 60247 22089 57487 50886 27918 90686 98225 35503 46511
 39139 67759 86005 43272 21072 99050 71482 02785 08759 73349
 = = 789 789 30 30 000

M12**14377/13461/12114 kHz, 11-01, 1300/1320/1340 UTC**

317 317 317 1 3229 99 3229 99
 60425 82999 71305 61762 73510 06360 70349 22361 82511 29177
 34757 92384 34430 96658 08659 63700 21084 05139 80532 52188
 89639 26941 34725 72898 93664 09081 28781 79168 33981 95217
 02119 66123 27406 77850 49706 07780 80779 81603 95389 87235
 41291 92634 01777 59078 97970 04513 59108 94361 17385 91758
 55317 58091 90636 78680 75621 98090 94270 88315 37003 87156
 34831 01401 79590 24343 72886 53279 66324 00535 85198 98933
 62231 00603 06880 44986 33923 56771 22252 34677 44113 72751
 58769 18402 91161 42248 16959 40796 29180 09789 40193 01634
 22403 38180 63076 00440 18875 66648 49355 15115 95664 000 000

5886/6786/7486 kHz, 12-01/15-01, 0030/0050/0110 UTC

874 874 874 1 242 88 242 88
 80925 28388 84070 96878 76792 50448 05401 28673 19069 14326
 31046 99018 91540 18445 10834 24181 79124 15191 51433 30966
 49883 71833 68443 66000 24365 18906 59008 26101 85059 67045
 11257 94154 90652 97325 91924 38480 37728 02845 53312 63808
 64371 59557 13522 91536 66411 77790 22278 87173 76318 76427
 12200 03033 70593 52795 18144 17072 96508 00616 84574 71732
 32687 02930 28147 59279 83823 02377 31610 52576 05838 08460
 00527 96873 47584 58900 02166 75932 21505 45155 38570 32176
 65488 50059 75998 67243 87202 82287 82205 000 000

9317/10484/11552 kHz, 12-01, 0530/0550/0610 UTC

135 135 135 1 7515 111 7515 111
06490 39023 52622 72093 96232 26260 83627 30615 25678 20459
31283 18107 24230 39310 89263 45438 70660 63056 04896 96636
30126 97285 69948 62871 69932 45594 42023 22247 28485 53321
72121 57929 62874 75659 89389 13057 39464 14067 52024 07521
63136 36382 62803 25819 28709 47306 40210 81865 39415 39988
89329 01981 87492 43161 38740 47239 21027 30842 02228 11194
81579 20792 92167 03299 87706 29277 77646 91005 34071 99909
46980 28171 28193 02627 72206 79235 42238 32943 53224 86738
60849 19353 95758 69206 60926 22511 49371 78886 78681 73687
10091 03851 29408 72496 82522 67949 22207 88774 53911 24487
40382 47867 18090 28779 35316 84522 10908 15917 17886 62780
51977 000 000

14377/13461/12114 kHz, 12-01, 1200/1220/1240 UTC

317 317 317 1 5893 100 5893 100
46099 64469 56500 47338 16877 84209 05596 32920 84772 89762
98346 70888 28336 86219 54505 23730 34487 65066 46843 94558
79888 51481 33945 13942 80129 26808 35983 48472 47295 51846
06451 36013 51534 34557 74264 90878 50774 97542 16565 43775
26889 72866 06176 35486 87743 59536 94894 16543 12363 67934
14606 98835 09065 29583 77773 16544 66140 96388 51275 90063
73178 67822 27293 70274 08501 90553 26539 07084 07675 30853
66709 00900 00169 78513 54254 56813 96584 21849 29201 36634
33124 73057 66547 43021 73396 39934 76776 41987 15325 33711
24219 36856 92354 71825 25455 35381 02534 40729 08070 83752
000 000

12162/11566/10711 kHz, 13-01, 1710/1730/1750 UTC

546 546 546 1 6504 110 6504 110
58367 32572 37070 40070 69051 27229 61073 99474 24419 11532
18693 44557 40566 86611 45109 97406 26562 36281 80787 55665
60050 87111 89737 42717 87047 17842 45062 17814 05379 13580
34150 95950 64345 70298 04018 97249 35806 53538 18035 63081
18696 28620 33144 84050 04797 76773 16876 36884 88337 09670
80852 14083 89065 50550 37598 46960 85801 40038 80484 00170
74384 94559 56614 52992 35119 84072 23236 57619 89464 74488
67425 59059 91014 36295 20500 08445 38189 02985 22674 43917
22644 18601 20482 94158 91678 97353 82562 78386 75820 26276
04318 40427 58311 73632 04228 15638 96836 54035 90261 80305
70577 80287 13309 85274 13410 78160 39164 79262 87811 61367
000 000

11435/10598/9327 kHz, 13-01, 1810/1830/1850 UTC

938 938 938 1 1759 77 1759 77
44376 54119 90615 44422 27793 74852 40572 68104 97638 28169
59204 85782 15376 28044 87655 07171 33272 18903 20434 66205
00398 32049 35424 09478 87852 48098 80431 41916 75409 83285
04768 61324 07944 18391 38920 36571 39306 84604 38490 72662
29475 56147 16575 83680 96216 84044 96251 59891 08171 26451
03563 08672 47729 73304 54680 50509 68566 41521 12363 80022
59066 74261 14521 37046 38762 15975 96093 80423 59326 27525
21564 87305 69160 30183 60856 58447 82376 000 000

12162/11566/10711 kHz, 14-01, 1700/1720/1740 UTC

546 546 546 1 8873 112 8873 112
96228 78073 34409 13470 87163 76512 19328 04591 76024 76555
05307 96185 01367 24478 17415 36046 54548 12599 29014 54577
79370 14594 52927 10748 55290 62366 70141 82274 76290 97812
91010 26866 98628 47280 83022 70517 27934 90244 27301 65330
49235 61615 52102 74899 42537 63769 56745 59185 66121 45821
66343 27111 91371 09006 33287 04724 59904 28073 95927 10653
70426 86847 20626 07760 35812 32137 64853 68975 87155 57561
55753 60813 87667 71329 94570 19530 43448 59677 05585 46993
66348 03058 51400 71874 86963 37838 12861 00905 62964 14162
69678 87289 29483 82911 75583 44610 58572 50327 23093 97224
05233 67334 41026 97082 81891 10961 17334 92518 75394 22920
27371 82753 000 000

12162/11566/10711 kHz, 14-01, 1800/1820/1840 UTC

546 546 546 1 7679 111 7679 111
93326 28140 14169 01726 40913 27791 39877 93992 14336 32801
41843 27266 75164 32346 28286 79216 15432 14656 24661 17922
15013 71477 63944 38729 97604 81059 48367 03750 24369 33356
03474 62648 67927 59965 51543 21863 93651 28962 75547 52187
74347 55579 74442 11657 65916 60380 17519 01401 50410 89632
87284 34975 24316 22926 05769 89341 31042 85506 57366 93388
02841 86236 04179 21519 23490 62385 47552 07494 43232 06125
87974 18366 47762 41692 94351 50962 50749 88934 15691 52667
84017 45027 28121 53382 41248 98950 13812 04075 96632 46318
39001 69778 09157 49457 51154 85767 34631 98254 76035 15149
87728 38626 05402 21743 59108 07698 74012 77211 90679 31581
43608 000 000

14377/13461/12114 kHz, 14-01, 2000/2020/2040 UTC

317 317 317 1 3802 104 3802 104
59954 67527 85054 60752 55418 86697 27395 25688 68393 86982
21525 72048 41996 37851 44832 98018 35626 73138 63689 66075
23655 99189 16028 17606 72249 47045 87372 76493 56268 74244
06251 35948 17069 27889 53318 28544 50681 74836 40512 68268
61644 32321 89385 57949 39697 78424 50903 59418 34364 67725
08195 59669 27916 55853 81804 78590 95674 29025 44585 38150
81160 15557 30808 68696 30772 47577 65705 91986 48117 19715
95558 50441 77865 91949 49580 65675 55577 12528 61136 91571
10727 86932 98879 40148 63566 79579 83473 21611 59790 49703
81041 71938 77717 21664 97821 99239 05169 09522 10256 44910
58214 97619 35406 57941 000 000

11439/10339/9239 kHz, 17-01, 0110/0130/0150 UTC

432 432 432 1 361 104 361 104
37539 61639 85923 76654 26988 87957 39819 79027 23550 59121
64546 07449 78917 98682 75020 46119 14420 49248 60360 36729
46094 90944 16992 66819 60110 40116 92285 36294 54761 60441
38976 62086 39178 96468 08413 27146 52998 30639 36617 53618
85952 02545 49743 21070 17218 22981 21845 20484 89904 00264
60208 53191 32556 74293 73347 31202 16745 92140 65937 56658
49021 01621 48298 53991 84363 30123 32088 79736 65386 91671
43911 38121 60238 83788 50866 63706 12378 51561 18840 06022
14637 88958 16779 14178 44997 67148 03385 02822 95744 49272
67436 69297 86462 82370 79086 09226 87055 89067 73568 47036
88755 20512 47385 85496 000 000

14377/13461/12114 kHz, 18-01, 1300/1320/1340 UTC

317 317 317 1 3608 99 3608 99
57144 30540 00784 02404 54218 11306 06322 74391 33935 67225
07199 14053 16570 37567 59581 14862 39155 24430 24760 68131
82559 12287 65339 25017 83254 11884 32443 03554 92654 60467
18063 50008 03333 30999 80477 67617 16213 52808 03474 68210
50479 13386 83926 30208 12818 55721 84502 01512 29039 73101
55239 31384 56068 38806 15186 11511 13616 22218 88776 58356
85149 04477 16263 19905 16727 38310 38952 52216 88436 26044
69295 27966 20264 36637 96747 21355 67964 35090 73643 85893
59665 91822 14419 40620 76639 60208 63419 70204 27878 39449
79586 92379 88735 80222 48578 07955 66711 77559 47516 000 000

9317/10484/11552 kHz, 19-01, 0530/0550/0610 UTC

135 135 135 1 4342 109 4342 109
44282 59830 73343 55525 96623 91438 48007 81963 84885 32333
52196 87952 35445 93374 36996 47879 78003 17049 11330 30336
99589 93231 09265 44314 23973 12583 44519 82203 74729 29785
86184 69858 77397 63176 11386 76681 25734 82662 84726 91753
88013 62327 03936 20948 37448 74026 58053 34508 59392 44364
92379 04636 11051 22402 75963 44413 21487 34362 98236 38780
20237 32645 69403 07288 79782 82509 56611 18013 07916 94205
65902 23418 07649 93282 16147 90612 30543 06588 84923 31426
61373 93423 26284 91218 27494 77913 85456 27703 62256 12173
28233 87336 24394 61712 24181 04832 45281 92117 53430 28309
05940 76412 48012 62485 30547 89879 21832 96783 28983 000 000

14377/13461/12114 kHz, 19-01, 1200/1220/1240 UTC

317 317 317 1 7550 102 7550 102
36091 93294 75485 50303 20989 69984 64375 21356 18304 02184
04865 27104 94357 31733 36731 37838 47043 26622 50316 74831
85850 36441 58719 23814 74408 33674 88520 89540 51207 62114
46684 30776 09702 63511 28419 52331 02520 21687 72779 54180
37001 52598 07466 84400 46733 00613 11527 31504 06796 07111
19085 70661 45457 92282 69369 88762 39502 20660 25899 42227
85385 15486 82938 59325 85579 00464 66594 75641 66892 05413
48969 30584 01730 17090 93918 27559 56230 86891 70800 58490
35414 19886 64999 49431 58083 94813 32656 91198 98034 30916
64085 44684 60753 37429 28551 67739 85647 91701 44241 91591
56613 89568 000 000

16357/17457/18357 kHz, 20-01/24-01, 0800/0820/0840 UTC

343 343 343 1 8102 93 8102 93
20288 70654 72526 54806 01439 71940 32398 44753 21770 92355
38448 85880 56030 35944 72838 04213 70222 44987 79621 39724
81740 84492 82713 05917 73686 98359 04045 53640 77352 24641
70755 35302 14354 96662 61825 56548 91625 78565 16802 61095
11781 88598 96478 51001 41123 30404 40896 20619 24384 95312
75030 11004 55102 65804 38895 19556 30555 76508 13126 06584
82411 94387 10361 93401 97341 80945 65635 51826 91290 95035
09478 77123 62788 51764 45558 44816 15627 17991 17743 12355
13842 52959 63890 94386 84453 39423 30575 26870 83985 16011
74898 31977 47209 000 000

11435/10598/9327 kHz, 20-01, 1810/1830/1850 UTC

938 938 938 1 8250 74 8250 74
17441 71259 65766 10370 38843 90853 42282 62743 82903 64475
29521 29001 63725 42830 83831 09707 46090 47070 72636 55749
36077 90101 21926 02811 62123 66576 52313 85321 35967 52466
26632 14740 34335 08898 49607 02457 42914 86992 37818 81607
64581 30561 90266 05296 49864 60428 96470 97190 80373 35257
39632 75844 25372 25456 34288 46030 18945 99043 39648 36550
70683 86758 15433 45812 35022 47804 70532 01017 31461 85314
77437 20459 18701 19002 000 000

12162/11566/10711 kHz, 21-01, 1700/1720/1740 UTC

156 546 546 1 4238 112 4238 112
40326 94372 90416 85167 61119 33994 42191 34892 93646 22597
33661 39233 64328 78502 47248 34757 18921 15477 42556 40459
36463 60288 80652 85117 14728 11604 20153 43285 03698 45938
98288 98281 43435 88127 42266 87734 62295 47374 51471 68349
54763 65610 10844 11580 15381 48550 94338 25668 90272 42929
52448 90849 80110 77452 54891 12656 18354 69858 16270 98164
77393 14526 74377 07663 78961 92192 31909 34313 24691 73499
22437 88684 82603 54273 53430 32954 67190 17531 58474 98656
21654 87124 68148 11692 89868 68680 56481 50542 35394 66093
81637 32977 91328 04222 05278 26911 08651 49018 20862 22004
24762 39955 62757 04704 04140 06546 05879 50938 40461 02391
74064 73362 000 000

12162/11566/10711 kHz, 21-01, 1800/1820/1840 UTC

546 546 546 1 2953 106 2953 106
62876 31317 13276 07399 34083 52681 42087 50588 99138 25875
98348 22030 05492 83401 92510 33601 03822 59595 20177 44219
80865 63245 95910 66276 98458 90836 90502 95265 27046 70070
72449 06276 65986 80980 14514 27091 90028 66102 32409 77288
61169 37307 25356 64699 28866 89426 45114 88425 92030 79932
20285 83591 32133 64218 70430 98459 90194 32256 43411 61703
37845 26986 98902 31199 41643 45223 70425 12631 63486 64397
59809 20311 63658 93640 15782 06777 01347 72333 18524 26807
27985 01078 52530 50270 69319 30539 38704 22487 62647 82119
24090 23792 06674 74587 25304 43830 08347 97892 95567 96800
36236 61046 84381 13105 96668 70635 000 000

14377/13461/12114 kHz, 21-01, 2000/2020/2040 UTC

317 317 317 1 910 102 910 102
75822 96966 44048 87071 51348 91866 79378 32766 63032 16176
89856 51332 88399 40365 50404 10026 29197 71712 19337 80037
03511 84704 51060 86421 33233 66126 10655 94978 24667 98739
15813 70285 23433 55500 47639 96553 79835 51417 81126 99322
42624 39524 15647 35088 30421 26360 93229 42592 66276 34753
39449 37301 75824 82442 00161 78768 78836 08835 68474 07927
00222 37821 50723 87453 04085 15311 08597 76513 29520 61235
33386 60370 73711 65746 21220 19888 93957 65631 73805 92304
14773 20174 71580 43144 18439 92161 95737 55225 63883 57000
50953 20484 08465 13105 91898 70593 11166 86104 50475 89222
26951 31075 000 000

6937/5737/4537 kHz, 21-01, 2210/2230/2250 UTC

975 975 975 1 484 93 484 93
47664 41419 48236 13624 41011 97855 68287 24171 44582 85601
09880 57496 29378 73468 54660 78309 14654 74182 48887 01883
01563 80799 42963 58167 34221 45405 12348 36667 00239 21694
30445 56139 77072 86549 25108 05324 72638 29637 64309 88793
26436 44242 35599 27732 48356 10848 43231 43803 00077 00345
79814 00304 73707 79220 95970 29755 61292 07354 92463 20404
20451 31868 00550 82020 08227 42847 05322 73647 41732 47618
41050 16931 20137 29769 43848 98215 79279 55861 15771 91840
62996 95239 42221 43894 78442 60151 50244 25932 33995 73918
91086 85227 54033 000 000

5778/6778/8178 kHz, 22-01/23-01/29-01/30-01, 2200/2220/2240 UTC

771 771 771 1 587 180 587 180
44112 65213 25061 18708 27775 87827 83676 81167 09392 62761
42901 25229 23661 44526 37203 10110 74778 41225 89038 74965
43165 15627 30126 08075 71249 55630 43465 12420 57895 43268
93151 78200 10074 46471 34794 74100 41187 36855 25891 00391
69901 73138 80112 89287 04321 61908 09190 11975 50928 05364
95527 89587 23485 33794 38507 56188 30357 34149 29230 26138
24731 24320 03939 39235 04266 40986 61554 89271 48777 62628
55233 94637 91217 56776 76102 02749 48922 25185 95022 82552
69108 29965 87106 99747 48580 37431 83126 39547 96875 99635
75318 19952 68461 76693 46973 66413 01422 01693 19455 51779
65632 48260 23225 66136 14550 94075 00380 34073 44493 91812
97815 67295 24531 08366 52164 27138 23896 08446 66652 51864
72673 26714 50507 80643 58946 58406 31241 24279 99083 49932
75670 68858 47866 19070 75468 58674 86991 62213 37686 30268
61083 52939 38916 97230 47001 75434 43174 36498 76626 63686
85930 63333 58612 02232 21858 85498 32954 58379 24657 44726
42658 32577 09079 43410 87507 00664 31763 54400 17793 48264
16270 44871 67298 29867 25894 24754 12602 05628 42900 83296
000 000

11439/10339/9239 kHz, 24-01, 0110/0130/0150 UTC

432 432 432 1 8289 98 8289 98
92852 36042 59876 22723 80600 63275 76948 76887 00938 80942
58216 51150 69375 53761 47297 64239 09266 17713 20725 31180
10359 43756 62014 65784 26439 84908 14820 37725 70483 20356
45715 60389 49061 30468 33594 91844 79532 64065 03956 55409
35551 77918 00385 43524 61483 04611 97091 71098 64451 76697
05092 01053 59097 28907 06114 11279 96047 95530 43902 95570
04692 70863 88504 60280 23922 63856 74269 23676 66977 79511
38975 33328 85677 08793 11698 12620 88772 08286 71980 42834
97104 60837 43580 88673 29810 03609 28511 98600 38911 35511
87228 62213 78661 99708 00808 26553 08145 62239 000 000

14377/13461/12114 kHz, 25-01, 1300/1320/1340 UTC

317 317 317 1 226 131 226 131
65166 03126 57845 30574 57385 70458 09703 52949 30317 85158
94558 66669 01977 30397 64764 77845 60962 08249 64886 05713
26882 84408 80335 76313 10183 36900 42702 09539 60771 64988
47138 64032 65615 99032 17179 11131 36162 86683 61963 97163
32375 29669 16587 48966 25643 40609 13569 82603 74515 26273
15028 10643 24573 06614 56304 33904 57645 27782 91839 71663
57331 69967 90144 56352 73113 65177 05086 21236 12291 38028
37168 42096 65129 41338 73510 20128 56179 74972 15309 80944
59537 84155 09622 22904 63424 36732 93566 37914 77280 95689
86241 83883 59744 21982 23858 93582 80018 07954 79037 90562
94309 73600 15486 32423 59989 59114 62989 70766 16836 11150
09368 08355 60995 07746 65652 76763 23448 51936 86872 20273
47710 02262 90551 14112 01577 31946 34158 90087 42472 78954
42626 000 000

5886/6786/7486 kHz, 26-01/29-01, 0030/0050/0110 UTC

874 874 874 1 8851 100 8851 100
68528 23878 42613 97894 01699 90143 54020 62582 36106 23008
98869 91125 50793 41500 76644 40908 96090 23360 02356 66516
03150 69821 09942 89487 71803 23669 06330 70922 15049 47726
25098 09022 62566 70556 22043 01982 28643 78358 53993 42219
30351 79635 83646 87543 22293 59708 65626 52065 40683 98447
27083 33668 44795 09172 55206 60200 85348 31784 96905 77207
44909 90800 44118 84700 34871 92058 08292 09826 25310 81981
48091 36667 47831 52055 74470 02116 10213 49249 22232 61957
98691 33868 27361 87973 17275 29290 60731 82245 49515 85291
75824 05285 90262 81216 84862 87079 48142 61532 99591 01770
000 000

9317/10484/11552 kHz, 26-01, 0530/0550/0610 UTC

135 135 135 1 1543 109 1543 109
94240 35862 00572 82965 26714 93092 56926 30402 20379 68547
32217 26191 95937 30309 78843 22017 08629 24843 69492 61006
65459 43775 06910 09634 92862 83927 02951 43024 86183 00381
31163 79835 19539 53102 61563 90296 44675 29122 23794 10937
65806 15423 66961 73776 51989 24522 90919 85503 74895 64087
72161 46014 79204 67762 18749 13022 83744 68204 24366 71859
97465 95779 16895 42757 75719 64071 95533 19084 00403 56402
53271 39269 54050 61554 41916 60683 00055 52719 16499 60806
40857 44004 32428 54504 33463 86920 61619 91471 12765 82114
25852 06219 74808 26238 39783 16705 55888 12188 39384 63783
59524 50704 81134 64616 24908 40750 22056 06332 97933 000 000

14377/13461/12114 kHz, 26-01, 1200/1220/1240 UTC

317 317 317 1 226 131 226 131
65166 03126 57845 30574 57385 70458 09703 52949 30317 85158
94558 66669 01977 30397 64764 77845 60962 08249 64886 05713
26882 84408 80335 76313 10183 36900 42702 09539 60771 64988
47138 64032 65615 99032 17179 11131 36162 86683 61963 97163
32375 29669 16587 48966 25643 40609 13569 82603 74515 26273
15028 10643 24573 06614 56304 33904 57645 27782 91839 71663
57331 69967 90144 56352 73113 65177 05086 21236 12291 38028
37168 42096 65129 41338 73510 20128 56179 74972 15309 80944
59537 84155 09622 22904 63424 36732 93566 37914 77280 95689
86241 83883 59744 21982 23858 93582 80018 07954 79037 90562
94309 73600 15486 32423 59989 59114 62989 70766 16836 11150
09368 08355 60995 07746 65652 76763 23448 51936 86872 20273
47710 02262 90551 14112 01577 31946 34158 90087 42472 78954
42626 000 000

12162/11566/10711 kHz, 28-01, 1700/1720/1740 UTC

546 546 546 1 2484 110 2484 110
 17567 96346 79238 62332 65758 53346 78224 59834 76190 93514
 44094 50623 02137 33030 10957 67317 19827 29606 08324 68411
 69166 55386 30080 96322 37086 13543 62193 35237 59346 58508
 40670 55142 53444 02713 93633 90884 28518 17720 21968 93330
 95938 63180 57673 55977 19016 02836 03397 65986 12823 55455
 17248 94867 34829 14796 96015 91870 58385 31808 27212 73531
 17585 57189 86152 51976 05714 23888 55569 83420 59919 55797
 64860 60343 18304 31463 26770 15518 65902 16852 79088 76976
 85275 30659 73921 34728 83692 92820 35082 26701 67313 34493
 96922 09996 42748 78850 39964 97245 27855 91654 27440 68378
 71301 36767 10568 10573 12988 20441 80945 37750 46780 22748
 000 000

12162/11566/10711 kHz, 28-01, 1800/1820/1840 UTC

546 546 546 1 8869 104 8869 104
 18959 22120 89858 93536 37005 33943 11413 06157 24300 60814
 41469 03644 05910 30113 74570 67995 47356 14201 91325 96331
 30494 87415 65620 54321 68499 79982 37795 38825 72791 08026
 79169 49182 05493 77013 44585 46442 83310 99024 42759 00288
 19768 23669 54934 96919 67846 44876 04970 37804 73182 21020
 52147 03229 96009 78565 28820 42888 51138 96160 30794 87671
 90237 56466 26639 18618 60355 87918 86429 26716 23713 12745
 54851 59488 17452 71563 13792 29854 79842 01620 58918 80564
 25656 74212 12328 88792 93436 11733 38224 36150 21808 64262
 53025 27241 99982 43951 74028 06595 36366 68064 77824 96894
 01711 12745 52288 26316 000 000

14377/13461/12114 kHz, 28-01, 2000/2020/2040 UTC

317 317 317 317 1 6336 103 6336 103
 91502 65897 56577 26602 92585 14903 07027 61236 54431 17168
 09554 25759 88078 38378 54336 45452 99298 82239 33125 14400
 55720 33808 75005 77594 47914 71127 28647 31810 38528 03752
 46796 10953 53323 59816 25872 15568 32945 95538 22562 78205
 62455 61088 28603 96434 02649 51978 94137 25067 53338 47619
 43627 68966 58310 72105 80062 69838 79566 73610 16606 98872
 38734 33000 69688 52642 35094 14093 81004 92223 32604 19710
 61458 78892 93172 58538 30418 09942 17896 77527 13294 01989
 24326 56268 88360 24204 83367 08578 89050 73521 04948 20681
 56642 86515 38999 35012 10748 58000 59753 25963 45021 44872
 20567 76470 83850 000 000

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

5860.5 kHz, 09-01, 0915 UTC	=991219??0???? =991220??0???? =991221??0????
5980.5 kHz, 09-01, 0922 UTC	=991222??8???? =991223??8???? =991224??8????
5732.5 kHz, 09-01, 0925 UTC	=991225??8???? =991226??8???? =991227??8????
3751 kHz, 09-01, 0938 UTC	=99?1238?9???? =99?1240?9???? =99?1242?9????
5032.5 kHz, 09-01, 1025 UTC	=991325??0???? =991326??0???? =991327??0????
3322 kHz, 09-01, 1632 UTC	=991936??0???? =991937??0???? =991938??0????
4865.5 kHz, 09-01, 1815 UTC	=992115??8???? =992116??8???? =992117??8????
5860.5 kHz, 10-01, 0650 UTC	=990953??0???? =990954??0???? =990955??0????
3185 kHz, 10-01, 0909 UTC	=991209??8???? =991210??8???? =991211??8????
5980.5 kHz, 16-01, 1206 UTC	=991506??8???? =991506??8???? =991506??8????
6267 kHz, 21-01, 1011 UTC	=991311??8???? =991312??8???? =991313??8????
8747 kHz, 30-01, 0700 UTC	=99?0959?9???? =99?1001?9???? =99?1003?9????
5032.5 kHz, 30-01, 0808 UTC	=991108??0???? =4648464842??00 =991108??0????
5219 kHz, 30-01, 0815 UTC	=991115??0???? =991116??0???? =991117??0????
4591.5 kHz, 30-01, 0825 UTC	=99?1126?9???? =99?1128?9???? =99?1130?9????

4273 kHz, 29-01, 1250 UTC, i.p.

1120115303 8950
11202153034450
11103153024950 21203701030215
11204153041850
11202153028952
11203153024652
11204153041652
11201153036354
11202153028554
11203153025954
11204153048954
11201153035456
11202153026256
11203153025556
11204153048656
11201153027958
11202153026458
11203153941158
11204154007958
11201153027500 21201701020616
11202153026500 21202701040719
11203153941900 21203701030715
11204142047500 21205701040616
11205743937700

M22

6607 kHz, 16-01, 1655 UTC. Traffic list

VVV 4XZ 4XZ = =
PM0T NR 483 TO NR 883 QQL = =
CA6I NR 393 RJ GR 91 = =
SE5Z NR 293 YA GR 81 = =
SE3S NR 193 UT GR 71 = =
ZP6I NR 093 KU GR 61 = =
ZP1D NR 983 FT GR 51 = =
PM0T NR 483 TO NR 883 QQL = =
CA6I NR 393 RJ GR 91 = =
SE5Z NR 293 YA GR 81 = =
SE3S NR 193 UT GR 71 = =
ZP6I NR 093 KU GR 61 = =
ZPTD NR 983 FT GR 51 = =
PM0T NR 483 TO NR 883 QQL = =
CA6I NR 393 RJ GR 91 = =
SE5Z NR 293 YA GR 81 = =
SE3S NR 193 UT GR 71 = =
ZP6I NR 093 KU GR 61 = =
ZP1D NR 983 FT GR 51 = =
VVV 4XZ 4XZ = =

M23 continues in the new year with various schedules on 5345, 5873, 5921, 6961, 7442, and 7668 kHz and possibly more frequencies. I never saw them so busy before. Recordings <http://www.numbersoddities.nl/morse.html>

5345 kHz

1-1 0856	ST3 (R20)	9-1 0856	ST3 (R20)	16-1 2055	OOO (R15)	22-1 0700	OOO (R15)
1-1 1856	ST3 (R20)	9-1 1856	ST3 (R20)	17-1 0755	OOO (R15)	22-1 1100	OOO (R15)
2-1 0856	ST3 (R20)	10-1 0856	ST3 (R20)	17-1 1155	OOO (R15)	22-1 2000	OOO (R15)
2-1 1856	ST3 (R20)	11-1 0856	ST3 (R20)	17-1 2055	OOO (R15)	23-1 0700	OOO (R15)
3-1 0856	ST3 (R20)	11-1 1856	ST3 (R20)	18-1 0755	OOO (R15)	23-1 1100	OOO (R15)
3-1 1856	ST3 (R20)	12-1 0856	ST3 (R20)	18-1 1155	OOO (R15)	23-1 2000	OOO (R15)
4-1 0856	ST3 (R20)	12-1 1856	ST3 (R20)	18-1 2055	OOO (R15)	24-1 0700	OOO (R15)
4-1 1856	ST3 (R20)	13-1 0856	ST3 (R20)	19-1 0755	OOO (R15)	24-1 1100	OOO (R15)
5-1 0856	ST3 (R20)	13-1 1856	ST3 (R20)	19-1 1100	OOO (R15)	24-1 2000	OOO (R15)
5-1 1856	ST3 (R20)	14-1 0856	ST3 (R20)	19-1 2000	OOO (R15)	25-1 0700	OOO (R15)
6-1 0856	ST3 (R20)	14-1 1856	ST3 (R20)	20-1 0700	OOO (R15)	25-1 1100	OOO (R15)
6-1 1856	ST3 (R20)	15-1 0856	ST3 (R20)	20-1 2000	OOO (R15)	25-1 2000	OOO (R15)
7-1 0856	ST3 (R20)	15-1 2055	OOO (R15)	21-1 0700	OOO (R15)	26-1 0700	OOO (R15)
7-1 1856	ST3 (R20)	16-1 0755	OOO (R15)	21-1 1100	OOO (R15)	26-1 1113	EEE (R30)
8-1 0856	ST3 (R20)	16-1 1155	OOO (R15)	21-1 2000	OOO (R15)		

5873 kHz

15-1 1900	OOO	18-1 1455	OOO (R15)	21-1 1400	OOO (R15)	25-1 0800	OOO (R15)
16-1 0855	OOO (R15)	18-1 1855	OOO (R15)	21-1 1800	OOO (R15)	25-1 1400	OOO (R15)
16-1 1455	OOO (R15)	19-1 1400	OOO (R15)	22-1 1400	OOO (R15)	25-1 1800	OOO (R8) long zero's
16-1 1855	OOO (R15)	19-1 1455	OOO (R15)	22-1 1800	OOO (R15)		
17-1 0855	OOO (R15)	19-1 1800	OOO (R15)	23-1 1400	OOO (R15)	26-1 0800	OOO (R15)
17-1 1455	OOO (R15)	20-1 0800	OOO (R15)	23-1 1800	OOO (R15)		
17-1 1855	OOO (R15)	20-1 1800	OOO (R15)	24-1 1400	OOO (R15)		
18-1 0855	OOO (R15)	21-1 0800	OOO (R15)	24-1 1800	OOO (R15)		

5921 kHz

15-1 1605	i.p. OOO	18-1 1055	555 (R15)	21-1 1900	TTT (R30)	25-1 1000	TTT (R30)
16-1 1055	OOO (R15)	18-1 1955	OOO (R15)	22-1 1500	333 (R12)	25-1 1000	TTT (R30)
16-1 1555	OOO (R15)	19-1 1000	TTT (R30)	22-1 1900	333 (R12)	25-1 1900	TTT (R30)
16-1 1955	OOO (R15)	19-1 1500	555 (R15)	23-1 1000	TTT (R30)	26-1 1000	TTT (R30)
17-1 1055	OOO (R15)	20-1 1000	555 (R15)	23-1 1500	333 (R15)		
17-1 1555	OOO (R15)	21-1 1000	TTT (R30)	24-1 1000	TTT (R30)		
17-1 1955	OOO (R15)	21-1 1500	TTT (R30)	24-1 1500	333 (R15)		

6961 kHz

18-1 1215	OOO (R15)	21-1 1120	OOO (R15)	23-1 1120	OOO (R15)	25-1 0720	OOO (R15)
19-1 1120	OOO (R15)	21-1 2020	OOO (R15)	23-1 2020	OOO (R15)	25-1 1120	OOO (R15)
19-1 2020	OOO (R15)	22-1 0720	OOO (R15)	24-1 0800	EEE (R60)	25-1 2020	OOO (R15)
20-1 0720	EEE (R60)	22-1 1120	OOO (R15)	24-1 1120	OOO (R15)	26-1 0720	EEE (R33)
20-1 0720	OOO (R15)	22-1 2020	OOO (R15)	24-1 2020	OOO (R15)	26-1 1156	EEE (R42)

7442 kHz

21-1 1830	OOO i.p.	23-1 1420	OOO (R15)	24-1 1820	OOO (R15)	25-1 1820	OOO (R15)
22-1 1420	OOO (R15)	23-1 1820	OOO (R15)	25-1 0820	OOO (R15)	26-1 0820	OOO (R15)
22-1 1820	OOO (R15)	24-1 1420	OOO (R15)	25-1 1420	OOO (R15)		

7668 kHz

18-1 1121	OOO (R)	26-1 1120	OOO (R)
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M41 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)

4922.5 kHz, 09-01, 0928 UTC, i.p.

X63Y X63Y AR

4768.5 kHz, 10-01, 0920 UTC, i.p.

72219489010907616128721201054

ABV

72219489010907616128721201054

SCR7 AR

4Z8T wkg outstations

Note: 4Z8T and SCR7 are the same Net Control Station: 4Z8T is used for radio checks with outstations while SCR7 is used for the messages

5461.5 kHz, 11-01, 0742 UTC, i.p.

8500 095348741

1928500 09534470942 K

9242 kHz, 21-01, 1014 UTC, i.p.

515554394058

00552482013451

005532960135612

005529961

00529960159112515 552992058 K

0051436961161200

005514369611612515 5514 92058

005490829465412 5545829472212

00550 8829424615005508829

00550882942461451 5550892058

005631829 ...

M51a / M51b

M51a: 3881//6825 kHz, 16-01, 0800 UTC

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

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

FSIIF VNFJD BCTWL CBXND QIWUD CNCZZ MNHLP YVBFS QEAXC 32569
VCSGW ,.VA' / QRXVC VMFKE PTOIY MJFSD AQEYC VNFMG LGKHI POUIY
87965 NCJKW .?AS', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY
OPIYU 45698 BCSHW .?,' LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY
QIUOF MVNFH 02368 BCSMW ?.AS VA, MBNCX VFGER POQAS XCFDE JGHNF
LKWUE VBCND MLFKG 54796 BSHWL ='/.? ASQEX VMDSO EWGDD LBKGI
'.,?. NCDJE 25893 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX ASDWG
VBNFK 26318 BSHWK 36980 KHJCM LGDHJ CBETJ AQWOT +

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

AUJOURD'HUI, CES VALEURS, CETTE TRADITION, CETTE COHÉSION EXEMPLAIRE MAIS AUSSI CETTE INTÉGRATION RÉUSSIE FONT PARTIE DE LA RICHESSE NATIONALE. NOTRE JEUNESSE EST UN ATOUT POUR NOTRE PAYS ET POUR L'EUROPE ET JE SAIS COMBIEN NOS ARMÉES SAVENT DÉVELOPPER LEURS ÉNERGIES ET LEURS TALENTS. LA FRANCE AURA PLUS QUE JAMAIS BESOIN DEMAIN, DANS UN MONDE INSTABLE, D'ARMÉES DE TRÈS HAUT NIVEAU. J'ASSUMERAI PLEINEMENT LES RESPONSABILITÉS QUI SONT LES MIENNES POUR DÉFINIR, SOUS LA DIRECTION DU PRÉSIDENT DE LA RÉPUBLIQUE ET DU PREMIER MINISTRE, L'AVENIR DE NOTRE SYSTÈME DE DÉFENSE ET LES REFORMES QUI SONT NÉCESSAIRES À NOTRE PAYS ET À NOS ARMÉES AINSI QU'À LA VALORISATION DE NOS INDUSTRIES. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 16-01, 0845 UTC

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

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

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

BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820
BCSMK ?VA,./ FPORE POPEW SBAVW BAVES FLRPO NVBDY LEORP LOPEY
./, 'BXAHQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ +?.AS VA FNDJE FLAME XWVTG SHAME CNBEJ
SIZED ANDUE ZEPLI 12548 SAQWD .,?' 'JJFRU ASILE XVSGW ADIOS
WALTI XCWTG ALSPO XBNMK 11478 XZAYG /'AS?, LIUTO SFWTJ BADAM
BIPOL VAQGS BILBO FRODO PIPIN 04789 PGUTI ?., '= CXSEF JGRDK
LGPRK

MVNDJ SKAOI DJSOW JFEIS LPOID NCZMA XZAIU DWEAS XMCNS 96314
GATSW ./.=, AQPD L CXMZK DIWYF XZNDH WIUYF VBFNS DJUWI LODWI
25983 HDWYU .,?VA' HFHWU SHAJU BVXBM KSSUW AQLKD XNCGD WZAKS
JYMBN 62843 BDHWU .,/VA AS BCSGA XZAND BCYUW KFLEO DJFNC SQIWU
CNMXA KXJCV 32691 HDJSO ./?.VA DCGFJ SXCD A CBSHW MCNVU LSOWU
CNSXB MCDJE FKEIW 39648 HCSIO ..?AS/ BXSJA ZMXNC VYBDH SKDJW
/'?. 'JCSIW 20178 MVKOL SUWDF XZJAS BCNSU NCJSK AQISJ NCDHW
KZQHG 02301 BXAUD .,?+/ ZAMCK DSIJC BCCNS ZXIQE

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

M51a: 3881//6825 kHz, 16-01, 0920 UTC

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

SAMEDI 2/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
DJKJF ERYRI VPLTO BCDVS ZXASQ MVLGK OYPUI GFHDJ CSRED 16580
BCJWI .,? \$= LMPOY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO
./, 'BCHDE 42369 LAPQI WNSYV VCSDW AQLFP RHFUS BCVDW NKGIR
BCXWY 54783 CBHQA %'/. , YHHBY CXDWE VNYEA AWQEV XVSFW MBFUR
AWQLG RYUSN 14790 XMLPO ., \$% AJAUW XCSAR LDOEJ GMNRY XBSTW
DSEWX VNFJE LEPWM 65874 VZQJA #/%, ASZXW CHYDE KFOLG VCRWT
CXARQ MFYRU NFNFY AEQDS 12680 GBDHE /.'.? VSWFG XASZW HDJWU
LFPRO CXWRG LSHDF VXRAU CLNOP 54103 BCUEL .,?' / BCEUF LGPTO
VZAXW +

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

LE PRIX DU GRAND JURY REVIENT À DANIEL GRENON POUR " HARKIS SOLDATS ABANDONNÉS ". CE LIVRE RASSEMBLE DES
TÉMOIGNAGES DE CES SOLDATS ET AUSSI D'OFFICIERS, " HOMMES D'HONNEUR ", 50 ANS APRÈS LES ACCORDS D'ÉVIAN. PRÉFACÉ
PAR LE ROMANCIER ET DOCUMENTARISTE PIERRE SCHËNDËRFFER, " HARKIS, SOLDATS ABANDONNÉS " DONNE LA PAROLE À SIX
HARKIS ET QUATRE " HOMMES D'HONNEUR ". 50 ANS APRÈS LA GUERRE D'ALGÉRIE, DANS CES TÉMOIGNAGES INÉDITS, ILS
REVIENNENT SUR LEUR PASSÉ, OÙ HISTOIRE PERSONNELLE ET HISTOIRE SE SONT MÊLÉS. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 16-01, 0950 UTC

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

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

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIK WNDHC VZIJK
OLHGF 87452 XVSGR SHWUZ 10964 ETDFX CBSHA WJNHE SHGZU ALSGF
LGBCH XNBWH DSJZU AGWCD QKLAL GBXHR SJHAU YHGDV CLQIO AMLJH
YHBGR ZUJXV WNGSU 46381 BWNDU ZKQLA PLAYG BVXCD WNSHR ZJHSK
GBVCG DJSKZ WKQHJ AKLXV WCSGR ZJHSU 65953 BWNSJ AKUJH DGVXT

MJHEU ZOIWG HLODG PQUTB KDFRB ASMNT LXCVC HUDVO SKTNI 58726
BCSWK AS'?. , POFKH SVRYX MZLFW GOUVJ AQDEG CNTHP KLJSG PNYFJ
33948 BXAQJ . ,+/VA PLMME GBYXG JHSRR LMAUR BYDIJ VWAQT ZOUIH
MEGSQ 63591 VAQHS ?.AS,/ AIRFC NTGOK CWSUN SOKAT SMHES OPLFR
BTANS PFIRG 36115 BCZMA /?.' , SICAV HYQWO VHESR OKSBY FKLJS
SMEXR ZZYGT LIMER 22654 ZCZQA , 'VA,AS IMSUY WASPS LUCKY SWAPS
32598 VZAQG ,?., ' MONEP NYDCF LOIUD OPTIO RATES FORWD FUTUR
KIFRC 36541 CZPLO /?VA=' BIDSS GREAT YHTFD VMNSI

SHQJA WNXJD QKAIL QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA
YHDJS JQKEU DIKOZ KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJDG
SHWBC XVSHE ZUJAI QKDFG HCBVJ SKRYF CBXVD 46359 UJHDI KSLOP
JHFGF GFCBX NJETD SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287
HBCGF XNWJR DUJYG CVXKJ HSGZY WBZAJ KAI OF PAMJK UJBGT CVXJS
ZUJKQ 27108 HAJKR GBXJS AJSUK QKOAL PMAYH JQKZU

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

M89 - Chinese Military

6378//7045 kHz, 01-01, 0020 UTC

V BSA5 (x3) DE TP4C (x2)

660/3398/1343/73/73/7674/397/A AR =

660/3398/1343/73/73/7674/397/A AR

3127 kHz, 02-01, 1832 UTC, i.p.

QSA ? K

QSA 2

IEC = 9606 AR K (Exercise related)

R = 8463 AR K

R U LL HR K

R

4514 kHz, 09-01, 1625 UTC, i.p.

T4N3 5T45 TADT U4A7 AR K

R RPT 1P97W BT 7UTU 7UTU AR K

R R R GA K

5198 kHz, 09-01, 1630 UTC, i.p.

210/XZ689/7607/96/69/66/X289A/COMM/1129 AR

HR SVC GA HR SVC GA =

210/XZ60EEEEEEEE =

210/XZ689/7607/96/69/66/X2Q EEEEEEE =

210/XZ689/7607/96/69/66/XZ EEEEEEE =

210/XZ689/7607/96/69/66/XO EEEEEEE =

210/XZ689/7607/96/69/66/X289A/COMM/1129 AR

HR WK NR 460 HR WK NR 460 NIL SK NIL SK

10456 kHz, 12-01, 0102 UTC, i.p.

T637 N753 7636 6A36 AT6N DTN5 3NAU N447 ...

AR K

R RPT 45W BT T4AU T4AU AR K

R RPT 76W BT DUT4 DUT4 AR K

R U MSG GA K

R WK NR 460 K

R NIL SK GB

5555 kHz, 19-01, 1225 UTC, i.p.

VV FF JKU5 JKU5

NR 6087/EX 0929 =

A1B2/D1C4 II

FFF NR 9087/EX 0924 =

A1B2/D1NC3 II

FF NU9087/EX 0924 =

A1B2/D1C4 II QQ3 QSY 3

FFFF VVV FFF NRYM FRYM FM QSY 3 FFFF VVV FFF RYM FRYM NR 1534/EX 0354 =

E5D6/D2M6 II

FF NU 1534 0354 =

E5D6/D0M6 FF NR EEEEE =

E5DD6/D0M6 QSQ5

FF NU 1534/EX 0354 =

E5D6/FD0M6 II QSY 5

NR NR NR

NR

EF5U EF5U EF5U

NR 9254/EX 08924 =

55N1/.2C4 II

F NU 9254/EX 08924 =

H5N1/A2C4 II

FF NR 9254/EX 0892 =

HHN1/A2C QSY 9 QSY 9

VVV MHFD MSFD MHFD

NR 1570/EX 0823 =

F5D1/K1S5 II

FF NU 1570/EX 0823 =

V5D1/KJS5 II

FF NU 1570/EX 0714 =

V5DJ/K1S5 II QSY 8 QSY 8

VVV AFHT AFHT AFHT

NR 8219/EX 2154 =

C3D8/E1N4 II

FF NU 8210/EX 2154 =

C2D8/E1H4 = C3D8/E1N4 III QSY 7 QSY 7 QSY 7

...2 NR 3764/EX 1034 =

J5.1/T3O4 III

FF NU EEEE NR 9764/EU 1034 =

J5S1/T3EEEEEE = J/M3O4 III

FF 3

VVV NR VV NR 5387 EEEEE FM EEEEE M

SFF FF TIF F/// = //VVV

NR 2548/ FM 2548 E ? 3 ? 3

FF FFF 2548/EX

VVV NR 549/EX 1536 K =

O0A AR NN B4

NR VVV NR 2548/EX 1536 00A2/D4S AR

VVV NR 2548/6X 1536 00A2//S1 II

VV NR 2548/EX 1536 =

O0A2/D4S1 II

VVV NR 5387/EX 1428 =

S5D4/N5D6 II

NR 5387/EX 1428 =

SHH4/N5DB II
 NR V NR 5387/EX 148 =
 SHH4/N5DB II
 NR 9287/EX 094 =
 ..3/D..4 II
 NR 987/EX 094A83/D.4 III
 NR 987/EX 0924 =
 AJB3/N1C4 II
 //////////
 ..N1/0. VVV
 IU IU ID 4 ? 4 //
 7ET TTT UI FF FFF
 NR VN = Z / FF
 NR M/25 FM M/2540/EX 1536 092/D4S1
 FFF NR 2548/EAA 1536 00A2/D4S1
 FFFF AR 375 EEEE
 FFF NR 9215/EX 1034 G5S1/T3O4 III
 FF NR 9115/EX 1356 N5M3/F5Q1
 FFF NR 215/EX 135 FM EX 1356 N3/F5Y1 =
 FFF NR 215/EX 1356 =
 N5M3/F5Y1
 II Z 9215/EX 1356 =
 N5M3/F5Y1 II
 FF NR 8219/EX 54 =
 6439188231 6194 II
 732 732 732 732 732
 FF NR 819/E..EEEE
 FF NR 819/EX 2154 TN3D8/E1N4 II
 FF NR 8219/EX 2154 II
 C3.8/E1N AR
 FF NR 219/EX 2154 C3D8/E1N4
 WFFF 1570/EX 0714F EEEEE
 FF NR 157 AR /EX 714 =
 F9J/K1S5 WW KWW W III
 FF NR 1570/EX 014 =
 F81/KJS5 AR
 FF NR 1215/EX 1256 NA N5M3/FA
 = = T = = FF NR 1254/EX 082455N
 DUUUUUU D D DUAN

(Appears as if the operator is getting messages ready for an upcoming exercise or is simply practicing. In any case I wonder if he/she realizes that they are going out live on the air...)

3127 kHz, 20-01, 1842 UTC, i.p.

DE OMIK R QSA 1 QSA ? K
 N QSA 2 IEC = 6956 AR K (Exercise related)
 R RPT K
 R QSA 2 IEC = 6956 AR K
 N R 4780 AR K
 R NIL SK
 NIL SK

5241 kHz, 25-01, 1259 UTC, i.p.

32 0125 2040 RMKS 5775 TO 5771 K
 MSG NR 01 CK 50 32 0125 2040 RMKS 5775 TO 5771 AR K
 R RPT K
 R 7G NR 04 CK 51 32 0125 EEEEE
 MSG NR 04 CK 51 32 0125 2100 RMKS 5775 TO 5771 K
 R 1W GA EEEE 01W GA =
 4365 TD34 53AN 4UA7 U36A 7TD5 TN6U 7DNU ANT5 ...

5437 kHz, 25-01, 1259 UTC, i.p.

5744 N3UD 445A UTU7 4D3U 7546 AR QSL ? K
N QSL 2104 K (Both stations on this frequency)
R EHR U KNR 118M EEEEE K
R HR WK NR 117 K
R NIL SK GB K
R NIL SK

4587 kHz, 27-01, 1837 UTC, i.p.

R QSA 2 IEC = E545 AR K (Exercise related)
R HR 7G GA K
R MSG NR 245/EX CK 91 87 0128 0200 RMKS 6890 TO 9477 =
UN36 N73A UN45 5AD7 7TUT DD5N AU4U 34AT TUT6 TT...
R HR 1W = UN36 N73A UN45 4AD7 7T3T DD5N AU4U 34AT TUT6 TTT3 K
R HR 11W = T5D3 ADD3 5TNT UNTN UTU4 7D63 ...

M95 - Chinese Military

4243 kHz, 01-01, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 01-01, 1149 UTC, M95: CW

V HR 7G TO YR PSE CY
NR 052 CK 47 35 0101 1515 =
5AA UTT TTA 3U6 3A4 5T7 5TD N44 5TN 75U ...
AR A HR 7G GA
NR 02 CK 144 35 0101 1600 =
UTU TTA 3U6 3A4 TTU 773 35A N3D 353 34A ...

4364//8073 kHz, 01-01, 0002 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 01-01, 0006 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0001 CK 130 35 0101 0708 =
TTA 3U4 3A4 TAU 773 TA7 773 356 4T3 NN3 ...

4364//8073 kHz, 01-01, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 01-01, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 01-01, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0003 CK 381 35 0101 1553 =
TTA 3U6 3AN 3U7 TAU 773 TA7 773 356 4T3 ...

4243 kHz, 06-01, 1155 UTC, i.p.

AR HR 7G GA
NR 047 CK 17 35 0106 1611 =
UT5 U63 A6 7TA TTA TTU TT3 773 4UT 44N
47T 33U 34T 4A5 44D DD7 NT6 AR MSG AGN
NR 047 CK 17 35 0106 1611 = (Repeats message)
AR A HR MSG GA
NR 48 CK 2235 01 06 1614 =
UT5 TT6 3U6 3A4 TTA TTU TT3 773 354 377
.UT 44N 47T 33U 3.T 4A4 44D 4D6 377 N54
4D3 3D5 AR 7G AGN
NR 048 CK 22 35 0106 1614 = (Repeats message)
AR 7G GA
NR 12 CK 148 35 01 06 1631 =
UTU TT6 3U6 3A4 7TU 7TA NU6 N65 7T5 777 ...

4364//8073 kHz, 06-01, 1131 UTC, Q26: 4+4 QPSK 75/3000 USB. XSV85 sending messages
4364//8073 kHz, 06-01, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages
4364//8073 kHz, 06-01, 1153 UTC, M95: CW
V BNGC (x3) DE XSV85 (x2)
NR 00U3 CK 3NA 35 OAT6 ADTU =
TT6 3U6 3AN 3U7 TAU 773 353 4T3 NN3 447 ...

4243 kHz, 08-01, 11449 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages
4243 kHz, 08-01, 1149 UTC, M95: CW
V HR 7G TO YR PSE CY
NR 066 CK 46 35 0108 1523 =
5AA UTT TTD 3U6 3A4 5T7 5TD 75U 354 377
4A5 447 34T N3U 446 3D4 N3D 3DU 4D6 75D
4DU 5TN 75U 354 377 4A5 447 46D 3D4 4D6
75D 4DU 5AA 75U 35A U4T 353 4A5 447 34T
N3U 446 3D4 N3D 3DU 4D6 AR 7G AGN
NR 066 CK 46 35 0108 1523 = (Repeats message)
AR A HR 7G GA
NR 16 CK 179 35 0108 1530 =
UTU TTD 3U6 3A4 7TU 7TA NU6 N65 7T5 777 ...

4364//8073 kHz, 08-01, 1130 UTC, V26: USB. XSV85 callup in Chinese voice
4364//8073 kHz, 08-01, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages
4364//8073 kHz, 08-01, 1142 UTC, M95: CW
V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0031 CK 269 35 0108 16.. =
TTD 3U6 3AN 3U7 TAU 773 ...

4243//9054 kHz, 12-01, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages
4243//9054 kHz, 12-01, 1148 UTC, M95: CW
V HR 7G TO YR PSE CY
NR 074 CK 49 35 0112 1506 =
5AA UTT TAU 3U6 3A4 5T7 5TD 75U 35A U4T
353 4AA 34T N3D 4A5 446 3DU 4D3 5TN 75U
35A U4T 353 4AA 34T N3D 4A5 446 344 467
3DU 4D3 5AA 75U 35A U4T 353 4AA 34T N3D
4A5 446 34T N3U 445 3DU N3D 3DA 4D3 AR 7G AGN
NR 074 CK 49 35 0112 1506 = (Repeats message)
AR A HR MSG GA
NR 070 CK 22 35 0112 1620 =
UT5 TAU 3U6 3A4 TTA TTU TT3 773 35U U3T
353 4AA 446 467 33N N3D 4UT 446 4D3 N3D
4D6 3DU AR MSG AGN
NR 070 CK 22 35 0112 1620 = (Repeats message)
AR A HR MSG GA
NR 24 CK 193 35 0112 1715 =
UTU TAU 3U6 3A4 TTU 773 35A U4T 353 4AA ...

4364//8073 kHz, 12-01, 1130 UTC, V26: USB. XSV85 callup in Chinese voice
4364//8073 kHz, 12-01, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages
4364//8073 kHz, 12-01, 1141 YTC, M95: CW
V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0048 CK 276 35 0112 1603 =
TAU 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 ...

4243//9054 kHz, 18-01, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages
4243//9054 kHz, 18-01, 1149 UTC, M95: CW
V HR 7G TO YR PSE CY
NR 086 CK 52 35 0118 1527 =
AA UTT T TAD 3U6 3A4 5T7 5TD 75U 35A U4T ...

4364//8073 kHz, 18-01, 1134 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 18-01, 1141 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY (1143z)

NR 0070 CK 30A 35 0AAD A5DA =

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

4243//9054 kHz, 19-01, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 19-01, 1150 UTC, M95: CW

V HR 7G TO YR PSE CY

VV HR 7G TO YR PSE CY

NR 088 CK 57 35 0119 1621 =

5AA UTT TAN 3U6 3AA 5T7 5TD 75U 35A N3D ...

AR 7G AGN

NR 088 CK 57 35 0119 1621 = (Repeats message)

AR A HR 7G GA

NR 38 CK 130 35 0119 1605 =

UTU TAN 3U6 3A4 TTU 773 353 U4T 35A 4TN 446 ...

4364//8073 kHz, 19-01, 1137 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 19-01, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0075 CK 330 35 0119 1614 =

TAN 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 ...

3211 kHz, 23-01, 1409 UTC

Y3BK (8PQD) wkg 1WBZ (5QTK), 4HIA (CT4B), OQ2D (SNM1), SU7L (WB5E), LT9D (II1B), HE9D. 4-letter groups NIL SK
Net Control calls a series of callsigns and the outstations respond by using callsigns (between brackets)

4243//9054 kHz, 25-01, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 25-01, 1150 UTC, M95: CW

V HR 7G TO YR PSE CY

NR 01 CK 49 49 0122 1500 =

TN6 AUD D5U N7N TU5 NUU N65 345 T3U UA3

7D3 3T6 64T 3N3 3TT 353 53U T7U 7A3 6A6

TAA 3N3 63T 353 5UU T4U 7U3 44U 54T 573

7U3 U3D TDU 573 7U3 U3N UN4 D46 D63 D4A

AA3 TAU 55U 573 7U3 A5T AUA 35D 733 AR 7G AGN

NR 01 CK 49 49 0122 1500 = (Repeats message)

AR AH 7G GA

NR 100 CK 28 35 0125 1536 =

5AA UTT TU5 3U6 3A4 5T7 5TD 5TN 5AA 75U

354 373 N3D 353 DN7 36T 4T7 344 N3D 4A5

445 34U N3U 446 3DA N3D 3DU 4DD AR 7G AGN

NR 100 CK 28 35 0125 1536 = (Repeats message)

AR AH 7G GA

NR 016 CK 2135 0125 1559 =

UT5 TU5 3U6 3A4 TTA TTU TT3 773 354 373

354 373 33U N3D 35U 36U 4AD 346 N3D 4A5

445 4D4 3DA AR 7G AGN

NR 016 CK2135 0125 1559 = (Repeats message)

AR A HR 7G GA

NR 50 CK 199 35 0125 1600 =

UTU TU5 3U6 3A4 TTU 773 354 373 N3D 353 ...

4243//9054 kHz, 25-01, 2340 UTC, V26: USB. Callup in Chinese voice

4243//9054 kHz, 25-01, 2342 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 25-01, 2346 UTC, M95: CW

V HR 7G TO YR PSE CY

NR 017 CK 18 35 0126 0618 =

UT5 TU6 3U4 3A4 TTA TTU TT3 773 353 N3D

35U 34A 7ND 36U 4UT 445 4D4 3DA AR A HR MSG GA

NR 001 CK 40 35 0126 06,5 =
UTU TU6 3U4 3A4 5T7 5TD 75U 353 U4T
35A 4A5 445 ...
AR A HR MSG GA
NR 51 CK 076 35 0126 0715 =
UTU TU6 ...

4364//8073 kHz, 25-01, 1138 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 25-01, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0090 CK 336 35 0125 1615 =
TU5 3U6 3AN 3U7 TAU 773 353 4T3 NNC 446 ...

4243//9054 kHz, 26-01, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 26-01, 1149 UTC, M95: CW

V HR 7G TO YR PSE CY
NR 002 CK 39 35 0126 1542 =
5AA UTT TU6 3U6 3A4 5T7 5TD 75U 353 ...
AR MSG AGN
NR 002 CK 39 35 0126 1542 = (Repeats message)
AR A HR 7G GA
NR 019 CK 16 35 0126 1556 =
UT5 TU6 3U6 3A4 TTA TTU TT3 773 35U U4T
353 36U 4UT 445 4D4 3DA AR 7G AGN
NR 019 CK 16 35 0126 15556 = (Repeats message)
AR A HR 7G GA
NR 52 CK 213 35 0126 1600 =
UTU TU6 3U6 3A4 TTU 773 353 N3D 354 DN7 ...

4364//8073 kHz, 26-01, 0000 UTC, V26: USB. Callup in Chinese voice, switched to LSB at 0001 UTC

4364//8073 kHz, 26-01, 0005 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0091 CK 146 35 0126 0701 =
TU6 3U4 3A4 TAU 773 353 463 NN3 445 ...

4364//8073 kHz, 26-01, 1130 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 26-01, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0093 CK 36D 35 TUA6 A63T =
TU6 3U6 3AN 3U7 TAU 773 356 4T3 NN3 ...

4243//9054 kHz, 27-01, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 27-01, 1155 UTC, M95: CW

V HR MSG TO YR PSE CY
NR 004 CK 55 35 0127 1523 =
5AA UTT TU7 3U6 7TA N44 3A4 5T7 5TD N44
5TN 75U 354 374 TN3 36N N3D 4A5 447 346
N3U .4D 4.T 3D4 N3D 3D6 4D3 377 N54 4DU
5TT 75U 353 N3D 35A 4TN 346 N3D 4U5 446
345 N3U 447 346 N3U 44D 46N 3DU N3D 3D4
N3D 3D5 4D3 N3D 4D6 AR A HR MSG GA
NR 024 CK 26 35 0127 1612 =
UT5 TU7 3U6 3A4 TTA TTU TT3 773 357 37D
N3D 377 364 4AA 447 46D 346 N3D 4TA 44D
77A 45T 4D4 3D3 N3D 3D5 AR A HR MSG GA
NR 54 CK 261 35 0127 1613 =
UTU TU7 3U6 3A4 7TU 7TA NU6 N65 7T5 777 73U ...

4364//8073 kHz, 27-01, 1130 UTC, V26: USB. XSV85 callup in Chinese voice
4364//8073 kHz, 27-01, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages
4364//8073 kHz, 27-01, 1144 UTC, M95: CW
V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0097 CK 455 35 0127 1632 =
TU7 3U6 3AN 3U7 TAU 773 353 443 NN3 ...

4243//9054 kHz, 27-01, 2345 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages
4243//9054 kHz, 27-01, 2349 UTC, M95: CW
V HR MSG TO YR PSE CY
NR 026 CK 27 35 0128 0608 =
UT5 TUD 3U4 3A4 TTA TTU TT3 773 354 377
N3D 35U 4UT 44D 77A 450 336 DA5 N34 446
4D6 377 N54 4D3 3D5 N3D 3DU AR MSG AGN
NR 026 CK 27 35 0128 0608 = (Repeats message)
AR A HR MSG GA
NR 027 CK 18 35 0128 0610 =
UT5 TUD 3U4 7TA TTA TTU TT3 773 4TA 44D
77A 45T 336 DA5 N34 446 DD7 NT6 AR MSG AGN
NR 027 CK 18 35 0128 0610 = (Repeats message)
AR A HR MSG GA
NR 005 CK 81 35 0128 0654 =
5AA UTT TUD 3U4 7TA N44 3A4 5T7 5TD 75U ...

UM03 - Chinese X2M net

4871.7 kHz, 25-01, 1129 UTC, i.p.
ZSLWT DYCEE BGUXP GWTMP TSCKG AR K
?
11W CMWLD K
12W HCRQA K
2DE 2DEW RYFSI K (27W)
? OK
DE GT8
? DE
TT T D

4710 kHz, 25-01, 1131 UTC, i.p.
CZKDG VMVON Z
VV 3.M 30.M AGN C5 KFCEY BMEG JXZOE HJMZY YWDJD VGNXO KBUMQ ZXENX OHCDG CIELO ...

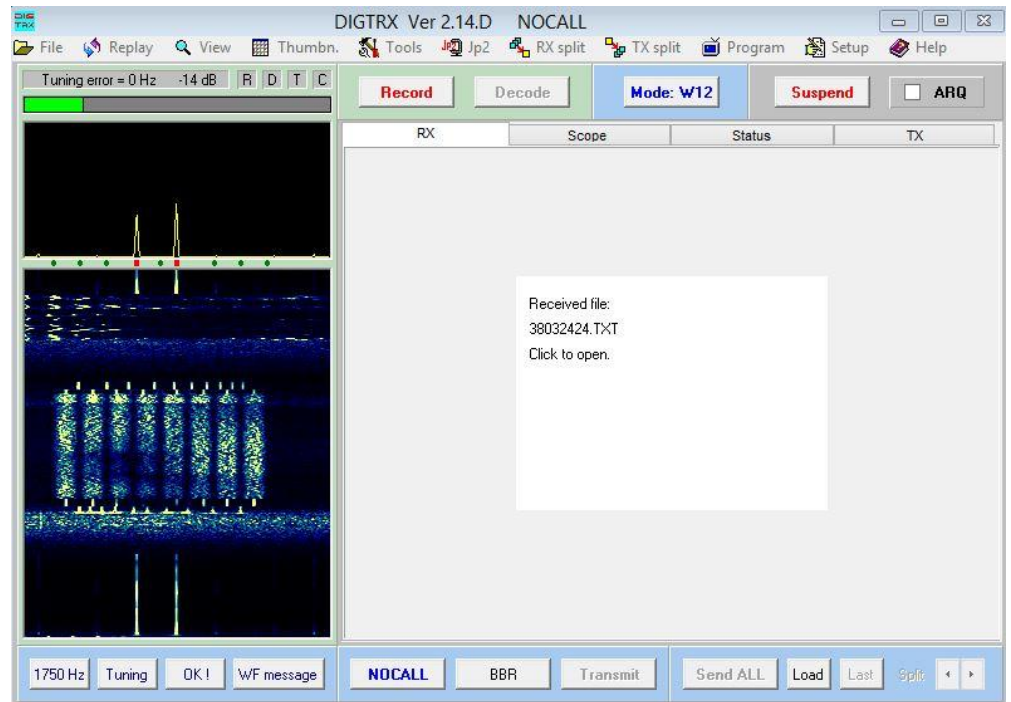
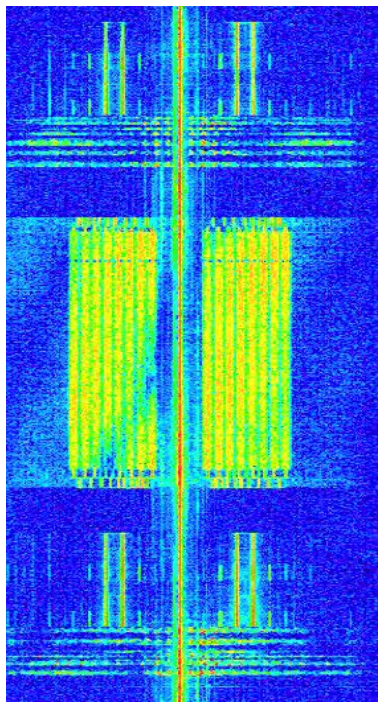
DIGITAL MODES

HM01 - Dirección General de Inteligencia

HM01's transmissions are in AM and consist of spoken 5-digit groups followed by files sent in RDFT mode (Redundant Digital File Transfer). DGI uses DIGTRX software to transmit and receive the files. The groups and files are repeated for ca 20 minutes per transmission. The transmissions usually start at hh58 and hh28. The extensions of the encrypted files are either TXT, F1C or F1G.

The link between the groups and files can be found in the file names. The first four digits of the group are the last four digits of the file name. Examples: group **66012**, file 5041**6601**.F1C or group **78525**, file 6224**7852**.TXT

Schedules: <http://numbersoddities.nl/HM01-schedules.pdf>
DIGTRX: <https://www.qsl.net/py4zbz/hdsstv/HamDRM.htm>



The groups and files from October 9th were repeated till January 9th.

Groups: 66012 17241 10803 16171 10125 67090

Files: 50416601.F1C 20511724.TXT 46251080.TXT 01041617.TXT 74061012.TXT 57856709.TXT

New groups were heard on January 9th, 2100 UTC.

Groups: 61125 13135 42084 70219 17101 63414

Files: 74676112.TXT 11211313.TXT 22374208.TXT 88227021.TXT 36601710.F1G 67546341.TXT

New groups on January 11th. Note: Same files for both series of groups.

Groups: 61127 13137 42086 54261 17103 63416

Groups: 61128 13138 42087 54362 17104 63417

Files: 74676112.TXT 11211313.TXT 22374208.TXT 32055426.TXT 36601710.F1G 67546341.TXT

New groups on January 16th

Groups: 54267 17109 20383 24243 78524 16542

Files: 32055426.TXT 36201654.F1G 62247852.TXT 38032424.TXT 32712038.TXT 36601710.F1G

New groups on January 17th

Groups: 24244 78525 16543 54268 16841 20384

Files: 38032424.TXT 62247852.TXT 36201654.F1G 2055426.TXT 62021684.TXT 32712038.TXT

New groups on January 18th

Groups: 24245 78526 16544 22171 16841 20385

Files: 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT

New groups on January 19th

Groups: 24246 78527 16545 22171 16842 20386

Files: 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT

New groups on January 20th

Groups: 24247 78528 16546 22172 16843 20387

Files: 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT

New groups on January 21st

Groups: 43281 22651 16547 22173 16844 20388

Files: 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT

New groups on January 22nd

Groups: 43281 22651 16548 22174 16845 20389

Files: 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT

New groups on January 23rd

Groups: 43282 22652 16549 22175 16846 87271

Files: 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 36178727.F1G

New groups on January 24th

Groups: 43283 22653 32841 22176 16847 87271

Files: 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G

New groups on January 25th

Groups: 43284 22654 32841 22177 16848 87272

Files: 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G

New groups on January 26th

Groups: 43285 22655 32842 22178 16849 87273

Files: 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G

New groups on January 27th

Groups: 43286 22656 32843 22179 50211 87274

Files: 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 00835021.TXT 36178727.F1G

New groups on January 28th

Groups: 43287 22657 32844 82631 50211 87275

Files: 75574328.TXT 44512265.TXT 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G

New groups on January 29th

Groups: 30511 22658 32845 82631 50212 87276

Files: 63433051.TXT 44512265.TXT 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G

New froups on January 30th repeated on January 31st

Groups: 30511 46021 32846 82632 50213 87277

Files: 63433051.TXT 50084602.F1C 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G

Oddities

No transmissions on 09-01 at 1600, 1700 and 1800 UTC.

9240 kHz, 10-01, 0858 UTC Carrier only until 0957 UTC. No transmission

The transmissions on January 11th between 1700 and 1900 UTC were a mess.

11530 kHz, 11-01

1710 UTC 61127 13137 42086 54261 17103 63416 (new groups)

1745 UTC Loud noise. Radio Habana in the background

11635 kHz, 11-01

1758 UTC Loud noise with Radio Habana in the background. On top of that 61128 13138 42087 54362 17104 63417

1803 UTC 61127 13137 42086 54261 17103 63416

1806 UTC 61127 13138 42087 54262 17104 63417

1807 UTC The noise with Radio Habana in the background stopped

1808 UTC 61128 13138 42087 54362 17104 63417

74676112.TXT 11211313.TXT 22374208.TXT 32055426.TXT 36601710.F1G 67546341.TXT

1813 UTC Signal on and off, groups 17103 634

1814 UTC Abruptly off

1822 UTC Carrier back on, no transmission

1831 UTC 61127 13137 42086 54261 17103 63416. Different groups but the same files as 1808 UTC

74676112.TXT 11211313.TXT 22374208.TXT 32055426.TXT 36601710.F1G 67546341.TXT

11635 kHz, 12-01, 0758 UTC Carrier till 0850 UTC

11462 kHz, 12-01, 0940 UTC Carrier only

11435 kHz, 12-01 1558 UTC Carrier till 1609 UTC. Started when already i.p. Groups: 61128 13138 42087 54262 17104 63417.

The files were a repeat of 11 Jan.

10860 kHz, 13-01, 0500 UTC Carrier only till 0550 UTC

10345 kHz, 13-01, 0558 UTC Carrier only till 0650 UTC

9330 kHz, 13-01, 0658 UTC Carrier only till 0750 UTC

9065 kHz, 13-01, 0757 UTC Carrier only

9240 kHz, 13-01, 0858 UTC Carrier. Off at 0902 UTC

9330 kHz, 17-01, 0758 UTC Should be on 9065 kHz
9065 kHz, 17-01, 0858 UTC Should be on 9240 kHz
9065 kHz, 18-01, 0858 UTC Should be on 9240 kHz

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

M42 – various modes

14684 kHz, 25-01, 0935 UTC, MFSK

M42b – FSK 50/500

4040 kHz, 09-01, 1556 UTC, CW AIFH de CDAP QSY 92666 K
2700 kHz, 09-01, 1736 UTC, CW DATZ wkg VFGK. QSA NO NIL SK

5921 kHz, 21-01, 0648 UTC

VVV VVV
VL8D VL8D VL8D DE PK7F PK7F K
QSY 70214 QSY 70214 K
VL8D VL8D VL8D DE PK7F PK7F K
QSY 70214 QSY 70214 QSY 70214 K

10762 kHz, 21-01, 0735 UTC, CW and FSK 50/500. QSX 8191 kHz

A2JW wkg DLXT

5242 kHz, 29-01, 0909 UTC, CW and FSK 50/500

WYGL wkg JJNE: R 392 0915. QTC 1. QRU NIL SK. Message in FSK 50/500

F01 – FSK 200/500

7629/6783/4034 kHz, 06-01, 1940/1950/2000 UTC

Null message: 5761 00000

F01 – FSK 200/500 via Cuba

Link 00116 via Cuba

17411/15956 kHz, 01-01, 2230/2240 UTC

11177 00116 74123 31001 02049
87920 23759 22897 36129 31947 84503 61063 20615 54765 69374
52547 44307 86884 31492 06892 66495 04871 72722 61061 59490
91771 15977 67365 63948 12939 08850 96385 61159 84810 30444
47631 75962 17857 41859 75388 31896 43338 60488 89776 43030
92540 59469 22477 54812 89368 02105 11085 06462 58628 47240
62990 81311 03403 91969 33805 66400 46267 56987 28299 60276
13215 99149 10758 70480 42961 04222 05529 02838 04091 96254
49936 05029 43517 43146 94226 41288 92888 68383 33804 76890
68790 33373 26526 58796 04104 87086 24793 92830 17891 54925
74994 59357 08199 78253 49020 19621 20731 19056 77406 47485
82606 64628 96070 10137 72645 20290 99451 03788 60467 60975
97853 38379 37874 19098 85843 71380 97993 24371 22021 75174
17111 70408 51662 19648 08102 29756 46379 74917 06085 39415
41554 98385 22270 34636 33443 97258 90247 65713 33851 08763
50804 11359 34150 83565 99076 37615 06508 12269 10427 40328
03700 34927 42524 43860 89223 18342 24517 57169 81333 79867
04848 16852 19960 64990 89314 89677 37122 15090 40137 41130
32175 65422 17241 65785 92736 47972 21630 21565 00346 60258
95060 83782 10585 50738 23077 76911 90898 80370 69217 79762
71588 45656 84883 87524 50573 27213 49419 57412 21620 22974
35614 03127 01202 00000

11079/9162/7509 kHz, 01-01, 1015/1025/1035 UTC

Null message: 5761 00000

11079/9162/7509 kHz, 04-01, 1015/1025/1035 UTC

59345 35768 93326 24602 54539 77933 17855 29315 56359 17647
 66276 04575 17848 48226 20681 13341 91387 94444 94268 43267
 98516 55373 14301 65209 41250 54738 42654 79734 53345 90993
 94903 56292 14946 04277 43880 94762 79034 02453 18643 64044
 83152 13435 34793 97389 44798 55944 17073 49156 63964 45932
 00194 42680 81235 80824 18819 63947 64888 68788 22645 80749
 25444 95204 77518 92020 81082 43537 38524 37036 22390 12781
 05990 19158 49849 98684 00327 23825 82524 30924 16669 35466
 61379 83423 45223 83022 95650 00012 68286 68779 25740 02592
 69861 60178 01038 74019 18800 49307 96123 32882 11426 09758
 13794 42351 84567 05530 48333 20308 34935 31671 07481 42928
 05785 91349 16529 58909 26804 39037 52980 56526 18160 44489
 85217 50716 94643 57217 13610 82358 30846 76137 37497 46959
 73315 54080 96494 94911 10616 91850 59548 70529 37240 01531
 60181 82034 72300 43700 01375 19692 18950 68281 78505 64272
 75458 13672 93796 53043 33892 43876 60707 95452 27315 28310
 21696 55725 11485 93963 27805 44522 91935 04622 53502 86884
 32424 46819 45204 58629 05655 27223 26939 08385 72232 11123
 11569 07466 98763 56734 91017 94764 51071 24977 03940 08848
 23431 69435 04273 24452 89789 36183 79099 35555 87887 28157
 89263 52224 72231 13766 31189 03414 96853 84432 43308 62916
 13789 90743 05578 40635 98219 11898 05479 06387 36209 38154
 68977 38400 35978 70937 79846 13723 48647 70327 35814 82696
 09398 04582 14967 94707 34972 81409 50838 67401 38460 65660
 39630 16526 47318 13136 27998 88622 35533 75195 54846 63726
 05895 53853 45555 20279 83302 12052 82093 79434 05038 68795
 97448 70942 18956 33837 67805 87811 25515 61604 00918 21917
 24605 29048 44114 97765 53080 67107 60363 46580 23972 00471
 45845 87914 03280 75334 87468 10967 85314 79826 83757 72794
 52504 86799 77566 55604 30609 73673 74036 50320 75295 99015
 42254 58600 50977 40551 24034 30501 87900 24276 98263 79976
 28369 99382 74264 45394 98078 38670 12577 87257 63486 69123
 96642 40324 61149 62364 03791 62304 09973 39654 48980 46334
 42307 71121 99738 89400 14833 73934 85725 33908 85164 39072
 51358 24589 65117 41401 24954 47921 86567 12744 02801 46258
 40853 82614 71614 23856 77643 16329 17808 86977 74220 05156
 97019 85265 11108 88211 62324 46581 14985 10780 74585 22478
 54820 48741 43362 86509 02174 53809 71828 52562 91586 99251
 04126 05389 42011 30786 98602 60538 25215 52341 75369 95870
 92091 01369 11598 21837 92820 93390 83024 82718 51813 40478
 75075 06012 83380 73338 12059 42141 59058 21702 77863 61698
 62537 32704 26596 39413 00000

11079/9162/7509 kHz, 05-01, 1015/1025/1035 UTC

77480 64916 83601 84495 50952 41309 49327 24799 75196 97956
 18575 45515 73323 72155 61589 91684 14644 06041 41954 20762
 59073 37356 14178 09259 84057 02810 84250 74311 86198 14982
 37889 33643 74781 98687 66140 52327 99377 97761 43038 49820
 78725 88186 34993 65673 23057 58506 46613 07380 67078 43463
 32640 28787 55782 21793 30674 12510 50269 14120 94402 54791
 45791 41889 31994 76236 19177 33263 79360 06866 47845 86937
 62967 18920 67590 29803 31881 05861 61316 29385 63749 30995
 95923 47015 74386 94167 49522 42658 85661 89960 96171 67338
 31381 40091 00000

64025 14718 90123 15285 98758 14541 60927 32330 22060 36187
68594 36495 15293 80691 64367 89337 87971 79296 97801 80312
70751 77143 28945 56409 07337 11581 13656 17502 75010 33545
04258 88370 88458 45451 32713 03307 66588 54010 68499 64270
67014 61442 68386 58502 17919 43490 60292 46562 01954 87701
28407 56703 71880 90390 91776 46535 02647 35734 93532 17916
09563 05435 42947 95991 87285 92388 77514 08347 49293 16788
37235 25178 72528 68108 68299 46450 76910 21416 98347 46961
94398 01417 50500 41083 00000

11079/9162/7509 kHz, 06-01, 1015/1025/1035 UTC

50032 80174 07965 99522 81407 41603 72935 88808 26469 42387
65866 56630 71942 54218 10527 23373 02443 88622 81806 24787
78250 29595 87642 15382 20999 05786 48703 60576 43209 81924
74256 09815 82611 74170 57674 67828 27183 19078 40003 06220
41859 50858 15030 82581 32826 66634 74301 59304 10361 84368
15513 39294 36139 23153 62717 60766 65952 60555 71790 18305
23774 46696 19584 02386 68113 79756 00203 74542 36587 72600
76865 20358 79653 65192 62746 47487 19445 62506 29279 20878
94635 02613 65321 52385 77278 84624 35656 86977 72560 11197
12224 52702 37390 25264 76566 66613 78792 45701 16885 13843
18004 31604 68177 42001 31244 29860 68867 38104 03074 85717
32380 80200 53299 21028 57101 80892 23337 09845 23147 64951
32998 06086 49385 48181 43617 02918 09157 09761 88464 28584
28120 75219 56384 08331 12659 52241 39588 47142 82304 86500
81553 12965 04589 29691 85949 25100 55780 36964 72542 77466
55938 35934 91003 51411 51719 34464 28575 97761 45371 59404
72508 92795 93366 43475 13239 97836 23089 02483 99205 77136
41036 70054 79284 53759 30952 82082 93746 08128 65350 28057
99687 48950 78843 11487 41877 11176 76732 86588 04947 60710
77286 63430 07865 10543 11148 98722 26640 77991 26312 14440
56177 37749 72099 11462 47233 50420 60579 70419 79412 71222
28866 56942 56129 68571 50736 73481 32482 07192 70995 24903
11978 75492 61042 90040 73036 61840 19051 16392 11226 09476
63233 80143 08147 04702 91596 78725 62924 78082 06640 48057
47232 23307 28443 21704 69783 63416 44553 74104 61243 19088
70141 15071 15477 58647 16842 27749 48090 34520 93722 67220
58194 35783 88821 61934 04321 11525 04690 85164 30448 44694
46370 88666 03052 81116 85261 15738 45131 43387 47294 35851
78148 84300 98863 68063 07814 59529 28951 85379 14654 24222
50873 17261 35306 83219 72107 92465 45469 49565 05606 89408
80457 91012 21065 86228 54282 69200 59562 27752 63213 01195
60022 51533 84747 98082 70921 40170 07923 60303 45696 92072
55918 34402 45276 27880 86885 60904 96182 74704 83922 67980
77633 95401 70164 90611 36083 55039 09895 19919 50651 41768
81636 12364 97860 84273 34154 13498 89131 32988 61298 75947
79467 97276 56638 76327 70766 55752 33819 60767 58205 81928
23576 73740 93123 52398 83347 49874 60846 29704 80424 73445
96892 37120 34568 35233 89996 67505 31043 41423 45379 93429
39999 54252 06719 70756 03128 69077 60242 52868 73554 57554
69392 57731 19885 31628 13490 54966 30346 07997 28839 65142
77968 77765 75718 88452 32736 10951 79680 04978 31652 50547
20608 13720 42645 75821 67964 02587 83265 39543 85664 66531
80104 08820 55025 16014 79869 64238 89207 42986 48061 42429
00000

11079/9162/7509 kHz, 07-01, 1015/1025/1035 UTC

67930 05356 10354 58995 16980 88315 14784 34680 89922 59899
78450 38682 22943 13412 04766 47511 70841 59059 00788 51612
36591 40494 03705 06527 20920 51462 07803 86498 84092 13480
96618 63964 37093 00487 09944 63353 04387 21409 00393 62645
25454 96568 59194 41115 87275 88876 15925 96713 04971 75754
41843 81509 92757 72708 11530 28633 92443 44508 02514 69169
51614 64894 37580 62422 68718 10765 99432 88000 47242 01765
72411 73152 26143 21233 90953 43075 00000

38461 76578 14034 13782 90644 69303 77998 41844 04863 73496
82337 69791 22628 86343 36113 33532 51481 60566 52998 26797
61910 32754 11720 97105 35925 10007 08008 99252 03236 94563
96480 98500 25963 51101 45917 40661 17820 46405 56334 31272
08708 16087 11330 91028 90655 38039 64109 79681 06045 17316
80642 05576 64062 12130 88391 63026 96307 55644 04036 64703
87497 53263 38643 61234 42213 60083 03719 65197 73607 68225
66568 21694 25039 58700 28420 92694 60533 97525 23731 17316
80642 05576 64130 75389 80464 58166 75422 65994 68192 90139
01095 19000 34465 44093 00000

11079/9162/7509 kHz, 08-01, 1015/1025/1035 UTC

Null message: 5761 00000

11079/9162/7509 kHz, 11-01, 1015/1025/1035 UTC

84971 87842 47048 28105 87359 22662 65152 76612 59576 80863
35392 02233 01102 12157 42913 58680 95430 33609 45976 86884
70327 24635 19652 27212 27697 70125 40238 95305 91529 93921
21337 06223 47351 49791 37533 36568 71606 62127 96598 29291
74429 33529 46184 70854 04229 61477 25907 95453 87519 31267
00794 95970 02460 77404 37006 46357 09502 30648 05792 65127
87621 92879 26591 74655 49542 06995 85245 35958 34409 14002
88237 63657 01334 14515 38909 50797 72261 76830 46582 58225
97589 58767 04533 48198 42976 35473 97750 66925 20784 50368
26417 05713 14580 31423 56043 95422 70147 39957 30213 13909
51439 44143 06854 11134 84905 34404 03983 81648 40637 22900
65861 39121 23771 94271 85501 72608 74579 99854 44451 89244
00690 12526 55810 73054 89872 84393 21398 14558 76829 74497
39025 90866 62431 38720 20796 00958 08824 99093 08387 85807
58854 34685 96234 88081 53260 61255 98569 31053 44035 91873
21236 21459 27431 95673 24235 05960 45030 96945 85926 35906
26316 81745 04834 20090 71181 04216 99971 70175 95829 09790
95662 68487 90476 17494 01752 12857 62314 28504 25172 18199
62169 53168 73796 79521 18279 73675 38514 26046 25647 84543
64460 21125 64393 78144 47352 87652 45548 67423 15854 63650
07729 63016 85915 17714 13127 46951 98024 79011 16253 10117
73302 61523 03873 45691 49385 87200 29571 15709 82032 37745
91378 32968 23392 89684 25914 25450 12859 12437 17453 75450
41478 34053 45387 50604 75813 04323 18493 68990 52229 09922
69459 65505 77519 21317 08100 51703 96818 76075 56703 86263
14741 28301 15942 98308 80678 18868 34791 30729 74191 46140
82879 95716 51440 41872 48734 59701 38585 81963 12325 99859
83103 86777 65376 99394 98943 90683 77863 73780 66474 85537
34137 45142 73150 67769 87119 06971 05840 43770 04000 46362
30754 73272 01875 15953 21901 55404 96760 72765 24025 87100
14433 26119 60947 48578 36513 61820 25259 95537 80241 34812
10295 62792 35395 47459 70333 09019 06753 55670 19957 57299
35581 70042 08509 11156 98546 44205 30581 50760 07522 67567
58486 39008 58693 04641 07624 92139 04438 48132 70710 94606
46375 77998 81782 62855 73063 43642 95926 87729 90749 11436
95673 10175 20634 44775 59983 09923 61067 08829 56767 11864
38134 17191 44886 39772 93042 62609 96557 72088 79784 98990
76106 79433 71466 66852 36003 48558 98788 79429 16130 22398
69076 11609 57197 10930 39322 58878 64267 52521 41671 58494
81304 30451 84775 90031 62706 74294 79480 97524 52737 00862
62247 00371 08817 74368 14781 85199 29585 90541 03283 95875
73702 14328 85764 63842 80296 25909 60873 45983 27012 54710
56653 62183 86604 06070 82690 49798 67988 10287 94067 77194
52713 48712 40583 45433 00000

11079/9162/7509 kHz, 12-01, 1015/1025/1035 UTC

17665 48616 46912 29637 92288 39669 17148 82128 93651 02638
20850 85475 37185 67480 46851 54017 20536 27189 58916 75609
03075 54093 71015 56687 74965 63917 61346 61176 95455 26025
17333 04186 05108 43298 28749 86427 41634 50079 71191 80293
14040 01620 47063 03530 14747 53466 76263 41451 74401 54231
53776 03620 89036 00172 16338 25943 74293 25032 85377 54111
26374 23569 78409 69325 94424 32214 06074 42247 94030 15294
97010 26105 16511 30258 17749 24906 13704 70352 79804 97670
62924 08168 51174 84655 41789 88498 14412 46087 00000

49402 54839 35409 32539 51441 46429 19762 83490 37983 67244
10382 99291 80379 45709 82665 98298 52330 34859 99516 58683
37927 96341 50113 05997 38242 77099 52048 17634 62388 08408
65288 86372 13984 81968 91387 10192 08971 82742 56390 00539
85715 83203 00865 26247 93334 28709 25502 35278 69175 68671
65720 21492 41402 13218 93706 28620 17608 20022 71345 08632
45409 41005 02454 76684 55942 83582 57778 29845 26212 66152
71178 21764 21223 72508 30443 10496 01839 34864 11169 21658
09291 00181 27144 94093 62298 59484 95677 00262 27711 47089
00000

11079/9162/7509 kHz, 13-01, 1015/1025/1035 UTC

72747 65780 47420 10292 84452 11521 39431 23113 93548 87717
02821 96137 59273 20429 92175 98761 85906 92545 04446 03206
46929 08360 20538 86242 62408 24247 77476 83755 40549 00147
44571 65320 19335 51538 02026 20985 69208 06587 45421 77458
42722 98150 64517 85866 82103 45347 69813 48285 20662 04348
65293 75232 38986 93106 90800 91297 61858 19700 82485 31112
06837 68961 24750 92828 20429 27112 92133 41317 62802 49065
04588 78252 26966 98090 44550 21279 03369 12535 09292 59451
25836 79273 96938 77130 59796 18595 49634 63522 18734 10197
02261 50048 19795 14977 10171 42739 14493 72322 54352 41832
55455 77567 47484 65764 85134 69313 89293 21747 57431 81307
44680 90108 28173 38552 43023 14602 75364 02342 22124 15843
35173 93916 65206 70093 64567 51413 04434 20559 66554 99804
89353 13388 38954 38516 43728 75578 32644 76405 59184 76954
30216 68791 99110 43419 80980 36224 11249 13659 53255 69676
72416 56499 89873 51854 13792 91089 77861 49303 00205 77103
68202 55004 61870 67152 06645 86147 01999 38590 61475 66766
28722 46901 59211 49924 84778 67856 64131 59142 73381 20627
62597 53741 03725 89043 38097 47816 04548 83189 47946 37493
79208 08505 37589 16182 00700 34608 53437 82509 70037 81008
40171 70608 86468 61896 33468 57459 02941 57207 84057 26971
65248 02145 74082 95491 58319 12342 11667 28421 08066 86859
14652 02639 12234 56205 19429 94408 98700 67550 75802 97463
34647 24355 13837 00958 35048 22562 93597 81958 43917 50571
73754 92190 86738 45162 59963 43693 17537 20569 18969 23099
09004 12880 69374 89211 59132 06960 84997 33568 12795 38085
71777 08683 21697 85461 04139 53650 91148 99833 31776 71800
87089 32359 92780 40090 01807 56944 94055 54926 01776 03217
44953 44094 06079 42339 55068 99493 68816 92837 32135 10358
63965 38632 40957 01654 96114 76475 09307 07338 85518 34958
91740 33172 00905 32296 27256 88772 38466 65064 51738 93582
70495 45086 51130 86463 12072 26644 66254 93580 79262 91217
85244 34288 37258 81923 84502 69672 61891 04855 04135 23481
62970 39496 68792 30077 42867 25418 89863 89154 88795 17412
09952 31868 22219 26293 75572 28074 53826 87509 49013 89380
17510 24793 95288 47678 81783 01003 05136 13853 62083 73370
39977 46355 82379 95320 09794 84326 59549 32074 19851 24963
08935 82188 47200 49798 94531 22263 32918 29608 72248 16964
00989 62612 99659 61570 39794 25665 10713 49228 07141 43115
78804 80105 44751 03048 16681 54616 13171 75549 86581 17926
83023 12739 19086 47905 43549 35203 64082 03738 14365 34559
22305 77349 71387 46810 30874 14866 22852 76192 01279 00269
96365 74198 33237 18457 22936 03459 52876 39880 28910 41184
48660 93947 71753 01835 03516 23389 80626 83725 46581 36768
87674 69233 73028 48443 00000

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15978 39418 64697 00467 96024 31608 94703 42157 94708 35868
68549 65818 43662 26352 11963 49865 58859 77438 44371 04111
27719 92997 93987 88925 23527 28649 89221 64572 71473 37049
80279 00404 12178 26467 98149 98609 40371 17603 26460 12208
13014 26241 07611 61954 52709 34510 72824 81869 94086 13191
39164 48066 46688 29890 19146 70564 72792 31916 03889 52779
03623 21060 05733 48382 42364 62445 71271 70199 27442 94658
00730 30857 54486 33326 34630 49075 00000

63283 83346 26079 89752 72745 08724 08060 98847 32833 75463
39581 77116 85216 31153 29754 00959 41069 52529 41628 57458
70072 34261 54871 51584 05145 56353 21534 78713 73836 84846
88303 29683 92312 85510 83707 20541 82881 55207 93691 64197
00987 00621 74018 26154 82613 19039 72913 31508 48043 60869
62413 15407 22892 78584 01828 34152 62374 91780 81785 79133
89720 23031 22267 60782 84697 84239 23091 54731 83167 18157
90276 27373 73607 24770 86716 82995 01552 27235 80611 99688
17878 57053 90093 46208 31871 63174 47475 96987 55021 74704
31570 87474 46477 71925 41513 50095 00000

11079/9162/7509 kHz, 15-01, 1015/1025/1035 UTC

Null message: 5761 00000

11079/9162/7509 kHz, 18-01, 1015/1025/1035 UTC

23248 98304 55149 74440 07595 88615 53771 23893 41552 16792
11109 15421 36172 38752 85050 04941 78432 01377 44930 88802
73492 22529 15391 41868 28843 80551 67621 92408 22535 24175
12629 07255 22683 38769 76259 85638 50421 29883 60645 85163
03505 10003 21758 28341 82748 99480 17769 63130 88475 77546
07895 75922 79180 44367 06420 80403 09587 80071 21582 30724
90278 11689 34009 32440 36116 23932 94392 49630 95591 74769
45089 31649 78341 01718 95332 07943 22988 29792 04750 24377
72495 17060 54863 19493 49243 98725 13269 64155 46982 15687
20176 13011 81879 38506 52006 41195 69834 22725 41715 64743
22246 56467 60558 68120 77427 86259 90952 87319 09856 32018
45153 21969 84436 27132 09409 74870 47976 44575 18299 42430
75051 95001 88929 04392 10460 07740 69682 86337 75436 30645
83205 93366 29833 09729 68318 38413 07439 34514 50548 13628
66631 60053 95947 78257 23553 41539 27915 61477 59985 42452
11685 03592 23128 02184 36179 84055 59454 74065 47916 09751
49834 69749 16652 61953 38118 70869 37451 25427 70366 93930
98863 48084 86906 19354 71917 04657 34412 20621 99578 62798
90189 54452 91410 75071 15858 97962 53074 45251 82611 43720
05395 42380 35251 88658 72660 61019 87175 77768 44846 51120
63512 88520 43455 65971 34585 66938 45656 01643 06896 51278
46410 26379 63822 44235 63276 23360 73199 19632 13578 95289
03990 74505 18620 04233 19225 62555 14644 45141 37394 69866
75209 76517 79491 18857 74690 56630 43882 11390 47572 58754
76196 46977 23229 63827 26427 77024 40892 54011 10423 81044
74465 55546 17963 75783 21907 04378 34603 93186 38832 32960
69474 88167 21058 01703 06231 62077 65752 23469 19328 12850
65885 54591 22819 47743 17671 50817 43861 19603 45680 11643
38112 72620 75324 61458 89216 08479 07381 40948 59549 08860
74264 07179 84429 75236 82720 65825 26970 71878 72632 83954
35763 83027 46629 56817 72581 20166 50182 27080 02293 40320
06879 79933 62164 61338 38554 62525 52746 85079 24981 01138
17536 64445 82795 14561 03585 75202 68340 47094 20262 78523
34139 69618 38341 85190 93648 22160 96614 57397 74023 96413
08206 09083 61534 81625 83786 90740 69366 22309 13864 69637
82459 61205 77350 41377 59088 65934 68578 33756 93871 62784
59969 88834 71889 26053 42528 34170 68601 96407 11360 79152
75264 26676 88393 97365 54508 78521 99499 80932 55786 18434
48191 77763 45379 86469 53091 47649 30624 36191 41362 98150
83081 69229 15272 86198 90314 12914 34104 96361 90957 14410
78574 31707 72790 49789 89963 78201 38473 71490 01139 28582
68652 42586 01664 76633 37117 51415 00000

11079/9162/7509 kHz, 19-01, 1015/1025/1035 UTC

58329 10191 97281 25205 19870 56935 28470 79692 41183 88629
16391 85604 97493 80005 02759 66725 58772 11167 14327 63042
31087 18088 34167 80911 76174 34236 28523 21056 20177 77994
02661 51577 87473 65568 84164 18184 20547 54070 57109 08808
71821 44470 95552 14804 78414 99088 69776 55917 55736 53342
23724 61214 70865 26400 47062 23151 81661 60460 90316 66975
52527 43330 96497 02652 82770 93988 47687 51490 08505 15830
49984 64669 64018 47263 05281 75842 13557 64372 43287 52079
00000

56133 08882 17509 27155 43525 68925 52955 79665 78081 79751
87436 04509 17892 23873 68840 92756 51501 84906 94721 04518
16140 07482 55578 04084 67227 13491 59876 03772 91326 35631
45488 39895 79748 54162 07253 29302 04988 47835 95334 79914
67171 94903 64066 53708 02725 85182 75975 05578 72424 29074
90667 46514 71035 74506 93261 04532 25723 67714 42066 81794
75407 18817 40180 31369 48280 58102 60704 02038 79644 93985
80259 24626 37270 08557 00483 38263 46463 51669 62213 80022
32031 53081 00000

11079/9162/7509 kHz, 20-01, 1015/1025/1035 UTC

97377 82304 21878 41641 10910 39299 65530 13365 37109 09674
21620 51503 99352 94175 88188 92820 89246 64778 69808 58696
81246 06525 30534 38618 43855 42274 61400 46423 14591 76301
42158 47733 30920 17681 01937 82020 34320 69388 08521 27740
89688 94068 40929 83957 87262 92395 24977 66933 19251 54976
36517 45072 48356 73715 02048 60694 10381 23601 51361 12066
18105 50830 01945 94108 58616 28223 79792 21249 01291 63863
06345 80829 58598 73887 06214 90525 66936 55387 15411 58200
79658 20332 94743 67642 89513 76476 78069 38619 22651 66167
10118 34679 71407 99010 53529 17154 58042 39309 69838 68786
46624 34233 04057 35416 45244 93651 27568 59184 65752 57553
19001 01669 33201 12007 87784 80401 62176 39599 70064 67203
42225 15275 51672 21768 99535 83527 97828 58948 27086 77878
94276 73155 00435 68573 29527 68341 21341 49442 72900 66972
56405 99857 28067 96447 62921 82722 66750 76403 19117 64439
72305 55322 00977 67784 47838 69904 72839 93625 68570 25629
83948 72435 83127 21943 88150 31519 93435 70512 28917 88902
67931 79989 56899 09827 67744 05708 72179 86762 90566 87763
08418 28915 61881 25912 01090 72122 28242 64719 06979 45113
32295 87401 67143 53046 74217 41795 30510 64268 89277 46897
80315 11240 96193 53401 30553 41550 95979 56683 84642 79976
25967 85661 73475 87505 98690 15974 15061 28276 80323 80908
62929 80361 88356 78529 35495 51339 13191 98424 43567 84584
93357 16526 58188 67223 99032 31432 85997 75680 03533 40670
44293 19771 47501 80339 52998 71252 25446 76568 85702 87795
49334 82228 46977 68302 68918 97340 68143 00505 53500 96602
38685 86789 64795 12492 15504 59183 75604 47371 77173 19432
13974 13028 15425 65120 37529 21101 81006 87761 67673 72820
26136 53795 38336 21500 10722 04433 38960 06225 64537 35297
56415 80164 22543 41770 45522 81951 75538 41014 82881 23570
03339 06581 83688 93177 82646 76559 86224 96313 86834 21201
33709 83916 19796 80947 08208 40604 51073 10810 96272 31636
44440 92031 91013 32009 97127 96975 60280 86122 31886 18174
35645 71441 09059 97465 01874 64603 50876 16184 91573 33406
95127 32300 14704 03108 20431 75493 77637 70487 10258 36055
71457 64088 47929 08586 34187 74097 59744 76416 16627 00287
48448 47680 06491 91462 84215 78990 90537 74851 45346 47654
59374 98869 25846 58351 84619 37704 52100 95230 23126 31155
75810 55350 27931 58159 35391 24403 70642 67450 03006 80666
04931 13786 59442 38115 25826 73170 64002 64618 04503 35530
11601 36193 03238 98258 94257 13210 00232 09082 09176 49523
78988 31679 80581 70441 61921 32489 87527 80484 92894 12155
14841 54421 00000

11079/9162/7509 kHz, 21-01, 1015/1025/1035 UTC

52690 76149 08690 44501 98624 17047 35606 22798 66378 25757
71743 80754 14292 14858 59347 01454 92026 78919 77600 87421
20295 36911 73375 08158 97250 07903 58496 80180 67480 99753
71940 71786 14521 15476 30415 49691 62857 06972 15757 09771
00332 30803 72578 59054 56894 85718 14615 41186 00642 36594
63189 22526 37079 54489 66252 81084 22544 27506 71423 65475
27722 22137 51469 16080 12203 99785 05671 65598 96009 18154
85494 55071 00000

56131 37961 03123 80201 03015 34588 56964 01270 59371 29927
93927 49833 32935 11558 71423 85479 59326 20930 88463 37129
27455 99150 08384 85399 35107 83665 35960 16943 04394 04245
91111 61701 11751 51726 46369 48998 12172 17955 20299 43424
62374 30342 44078 46440 72576 29499 43394 74648 41570 63370
02871 50646 54790 96311 05192 67431 50054 56540 62135 12273
80663 70413 79667 60987 30564 56946 24329 78569 61235 81031
83061 87109 95011 88785 33688 86924 64511 73459 68220 41859
82875 45355 36189 64676 14483 56085 00000

11079/9162/7509 kHz, 22-01, 1015/1025/1035 UTC

Null message: 5761 00000

11079/9162/7509 kHz, 25-01, 1015/1025/1035 UTC

87441 34554 65705 13290 04825 27837 81044 20071 16391 10213
96802 24014 90682 98588 43484 82502 13903 95441 65772 55453
43133 48650 90443 88636 41677 21976 47504 63111 44973 18368
55484 65453 30510 23293 06836 58480 90185 60273 14359 57149
28539 75815 04607 39314 35307 95924 69194 46039 05731 21384
09963 51149 07050 53992 38921 04703 14631 70955 18914 80081
66162 89590 55950 79381 07350 89572 79132 76787 27552 84867
69108 04629 08804 62573 21015 11797 36647 30839 52812 49210
46215 43050 94981 62021 02019 90475 22499 93248 34847 80559
15035 28521 84246 43039 56310 36623 19997 31088 08560 85531
41033 09665 23017 38620 75241 48257 72382 60738 28576 60203
16200 88829 56926 55789 35074 46797 59180 01302 94682 09292
14910 01218 25504 44110 15130 45740 29208 87899 59554 90842
47644 34848 18801 63021 55367 43047 84967 05949 61627 88223
59031 11203 32783 19522 48496 00265 71048 97015 73737 49982
10537 15661 06469 78668 16520 45342 88781 35037 98848 41743
06185 57155 75475 07684 13088 93607 47007 09644 34161 04047
68229 79154 90011 81334 27549 53727 20619 62448 70275 37032
04955 20343 26690 82997 00233 53964 30843 33525 49232 18582
41002 64499 29115 63656 97705 19797 40192 70404 80346 37961
58064 06257 48230 01243 97580 38409 77048 61697 62053 73627
26687 24011 76159 16524 01333 89758 25976 63469 87798 92775
54575 74341 83000 80324 86632 89288 46548 19760 80471 82706
39357 35357 30980 71602 34236 05014 71861 20549 09394 71496
50618 10402 60780 47930 74743 62974 94219 22210 52532 38863
83271 90025 76965 50595 03738 71190 26090 58308 80781 88957
78347 40121 09574 17007 66277 54415 35414 23804 17042 36190
04261 68999 53196 94682 19612 31580 52157 04458 66666 74430
87801 07133 89710 75018 02623 65934 33669 76879 83899 40281
85743 41586 42303 72567 78093 05897 16384 04343 37493 73763
51371 64078 92887 97897 25731 93693 76804 30564 23918 06050
81550 48312 78743 90581 56128 80310 31827 09263 54815 94985
85537 50089 73336 24655 44887 30277 33577 32823 72791 66342
02768 53855 07161 53274 58073 59690 13232 19972 32539 33298
69601 53139 03313 53561 11381 06825 08098 21271 78921 39795
00757 80918 45543 47925 82024 17986 22706 83795 66245 36398
66054 80685 70090 45854 30786 23151 34182 13693 49768 31366
13563 61009 32849 51425 97957 07694 10799 68788 47754 96079
72311 87062 56638 47897 67517 39294 76834 34213 76432 23978
67883 63045 65789 82955 54881 14347 82683 63394 07138 77030
58470 31039 73182 67738 21363 26923 33051 36039 41146 84713
53797 85731 54466 50905 59165 66954 44123 75013 49357 18783
70800 61996 31839 67000 80676 04049 49117 06735 37353 34000
14429 24643 51536 67463 91269 40339 06909 25956 77720 71740
05632 57441 00000

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65547 18950 89483 53532 24543 27799 81906 50582 54682 54019
45981 12691 58182 57685 02082 16706 69154 33751 21923 80938
52872 52105 47595 54104 19185 68428 64607 74269 86046 85539
27370 90018 54062 69922 60552 61004 78019 53105 84762 80089
46323 72599 39980 84249 04284 32076 05174 46442 82183 85463
37562 65609 14071 74662 79920 97023 58214 75558 09413 90145
55152 32028 26349 26190 84276 82613 06331 72590 04896 09568
64206 96538 92697 64944 03289 58075 00000

72291 10657 59545 69387 71123 94979 77958 75425 21056 92859
56007 46712 71688 61846 04177 24334 46690 86466 51025 55740
81629 11146 26573 05460 46288 95505 57509 24890 62375 46701
47660 48361 52596 08507 42137 07659 82001 11819 98621 82185
77563 16277 14216 26961 36909 97686 81296 45633 62150 60924
70806 00710 79755 83024 66430 78166 32383 16129 98084 48656
53636 04981 48161 92472 61656 98667 28963 80477 32509 61280
54766 28173 39288 11190 56953 65104
67878 43625 15649 86784 45325 59081 00000

11079/9162/7509 kHz, 27-01, 1015/1025/1035 UTC

90208 86747 52129 90869 61093 06348 86051 90419 59985 63858
75484 80082 86323 13292 49538 75698 45738 89995 95960 46069
07512 41728 35259 77287 94955 24281 17561 50831 44633 41343
40678 27615 95365 33288 12798 55183 92964 44572 08235 40243
21618 24440 89690 53708 97884 40614 95459 60454 88210 10661
15004 90971 35932 80715 01350 97088 08673 06271 93740 58981
02107 14686 48976 35624 60991 54137 04885 75898 03429 58673
24357 32521 59292 84072 93392 46000 58739 94190 71574 90799
31770 02481 18437 00888 04756 98383 44138 16882 04870 13258
57895 21949 08380 05560 12606 58674 93711 69940 69098 44068
85248 99959 28451 24907 98775 59102 05815 40590 24539 39778
44177 85714 08826 15004 91500 89527 20026 12442 89685 54477
10098 65493 48783 21022 07385 21130 04896 50903 01721 09150
85212 46058 07746 02548 28609 45367 17400 23686 35248 66421
77498 75950 43626 84494 53350 05593 58499 65911 64348 23418
78117 97996 02469 41042 94223 82799 69618 01376 63236 86760
94768 08035 72063 63544 16809 83370 46987 92180 44060 09794
79041 97747 26395 34092 64345 46746 00877 39418 82800 34372
96888 14648 63620 05877 11658 75780 11099 79192 92137 19087
89078 61011 84173 10674 87548 73516 34884 42170 19803 33939
59212 07209 23610 54138 06568 78398 64815 52388 88504 89467
66833 94555 53378 52281 14445 06864 18903 63397 05354 27425
98563 79865 47939 88729 82813 68958 28627 48277 60985 61503
97337 09545 94875 63526 44428 00473 79917 05879 67585 01655
54891 36539 52089 41422 46108 85281 12901 00019 57004 55393
71995 90034 39080 22129 69394 05304 05129 42594 31324 55440
70684 06739 43934 28216 34631 84154 06036 46945 34910 46356
59262 15088 40261 69243 19123 65240 63935 45423 55365 54713
10325 61083 95094 74870 90430 17104 47086 66435 67122 99097
70722 57935 16118 26058 37999 69480 13624 32313 62033 49059
86571 62464 90518 33545 86396 84003 87549 51595 72275 47293
52272 10633 14790 47593 47782 35092 55925 68831 38716 48136
86361 13799 60972 14000 25985 50454 72000 83179 18559 29035
55085 07634 76492 49650 76088 18197 36646 85056 16051 81383
13110 88292 28124 77774 57887 39862 92254 69176 65434 14165
66049 46733 81974 69839 55284 77187 05547 93733 52468 89466
87706 53164 16917 68798 72822 36172 94766 50524 35919 84449
02366 30811 04980 48632 21482 36449 78667 20642 79767 20908
75389 22769 14913 78864 74651 58174 45929 96361 36627 52515
99995 78809 10897 41360 68317 23997 70277 83102 89413 32322
30688 02043 83299 71401 42992 91337 84969 37279 67743 30496
50642 79387 68788 97121 35199 81480 86645 77570 64244 15701
77611 06230 49240 11985 29526 88092 19137 09985 90134 84326
66950 85696 68987 65511 34720 69987 98811 60437 00000

11079/9162/7509 kHz, 22-01, 1015/1025/1035 UTC

16195 45592 50792 30864 41651 73041 68855 25151 32448 21392
70217 68984 31550 90693 56280 50107 56356 36370 21331 00781
47251 30741 53886 73218 88526 86347 47102 60433 56346 14546
85468 98421 73448 17784 99953 10648 75285 39011 08790 80734
17260 16650 86099 64328 77777 18577 25537 76056 36775 53540
91131 12514 34436 83459 72535 97231 39758 85040 86849 58551
83679 34145 94212 76345 36442 11-49 19356 58528 33877 52132
96300 33282 82307 90137 78384 67952 96749 61077 00000

83906 47075 69766 43267 65033 40310 49631 89464 22460 20102
14121 50786 79606 39260 80866 58344 81739 47738 92683 66413
76296 37967 62968 73210 85483 51610 28237 77302 57095 77433
56221 11859 04508 94976 82974 23912 71751 43711 77412 90836
84634 22377 56741 91212 73828 48177 01194 72278 80871 30530
41528 81149 83011 39054 17706 51992 97841 70481 32212 66350
53656 44185 46436 28794 36464 81003 93550 25092 49601 45057
06344 55094 46881 53241 83421 57505 25215 82075 42225 68737
87641 26613 32315 62083 00000

11079/9162/7509 kHz, 29-01, 1015/1025/1035 UTC

Null message: 5761 00000

F06 – FSK 200/1000

Link 00052

19667/17546/15604 kHz, 13-01/14-01, 0900/0910/0920 UTC

11166 00052 14789 13076 02109
44263 80245 42517 66402 77004 53593 17932 89082 36120 69428
40299 20704 05745 34834 68654 49488 86545 32501 71699 70182
77029 18327 59554 61586 87190 97236 06629 19656 91310 88169
20295 19602 32224 14164 35045 05441 62791 78465 36823 30412
41770 12628 47229 96722 26262 07504 22263 68038 27933 63095
45312 53170 25188 18189 19067 84388 48495 45705 86042 38804
81039 24719 32412 76251 41890 25073 54814 92115 43886 65520
94850 08536 43405 31352 70937 52429 24226 62422 62209 93764
82646 47531 24163 42527 06074 86086 40731 27816 62247 02992
42457 07508 41299 27690 45484 81917 17832 73313 91022 09909
25208 76855 90000 50883 59224 86329 02573 81074 53382 05826
07182 57613 92910 34427 38856 28769 59764 59898 01441 13831
25749 93107 83429 01048 35992 54102 32107 37075 49928 45786
65679 06370 31988 76130 28071 23946 09187 14852 16098 89969
37792 95515 33682 79591 46263 98967 52807 66474 46646 79065
85899 03455 31614 16626 99326 08767 99336 12536 22689 31265
73373 55956 33606 93104 09773 28566 22673 33278 08563 30776
68288 00490 71827 40855 76025 68768 75551 42898 62242 74282
47421 84591 86624 96774 67770 50684 63331 34070 35860 63136
05450 43087 68671 43850 82436 45785 24417 00949 95228 23496
67935 24519 98730 48070 20174 02768 26337 14752 76208 00000

19667/17546/15604 kHz, 27-01/28-01, 0900/0910/0920 UTC

11166 00052 96124 27077 02379
65267 99439 86728 40490 96795 45330 95602 72904 36120 76775
52649 80962 26743 99200 16704 92406 97540 09659 94192 20209
10111 99190 69697 09121 72463 04117 81138 05370 73817 35935
88037 91687 28489 44526 06271 54858 82381 94339 07774 77969
43007 58263 08620 74566 18983 58851 93916 06881 79936 11602
52954 55331 72762 49982 23052 31481 55155 36864 65524 51642
32379 92085 22216 13307 08181 90811 26051 41604 85815 12376
64004 97957 80098 44305 15973 68145 26432 71203 17944 71933
97741 03192 22934 61483 65267 23578 58107 00719 64123 60462
01529 42830 49600 11944 26983 48120 55112 79642 90293 09359

87750 90198 55590 76852 22366 09449 84948 00409 80131 78971
39848 30373 02508 29678 67888 44951 56559 52145 73189 95969
32558 28366 93926 90298 19805 54627 35431 49093 71614 10176
32289 12065 95398 51378 37891 78948 28781 36055 64852 05376
87686 07679 24754 95324 97345 94126 40637 57334 42134 00660
30688 16686 95212 01843 86552 00724 13879 62069 94715 39506
11583 39383 74387 48977 42539 52300 30327 88851 59879 14298
44050 12382 33266 65664 51847 50221 36931 57412 83062 95543
44049 66913 57057 82630 88403 49973 62305 76096 79270 59011
66056 12949 80471 82045 28002 64665 89509 82161 16383 11482
77756 42162 49971 46072 77598 44078 14380 48811 27503 38225
26111 01805 10926 81508 42811 33880 50008 49647 43144 13719
39992 53010 24733 33326 35301 10758 93609 49008 23213 62970
43604 72070 46074 25448 49108 77235 00000

Link 10053

10378/9169/7419 kHz, 03-01, 1530/1540/1550 UTC

11166 10053 64512 03001 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 05-01, 1650/1700/1710 UTC

11166 10053 45689 05021 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 10-01, 1530/1540/1550 UTC

11166 10053 74563 10001 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 12-01, 1650/1700/1710 UTC

11166 10053 14789 12001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 17-01, 1530/1540/1550 UTC

11166 10053 14789 17070 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 19-01, 1650/1700/1710 UTC

11166 10053 25147 19001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 24-01, 1530/1540/1550 UTC

11166 10053 35789 24001 00049 00000 00000 00000 00000

10383/9046/7313 kHz, 26-01, 1650/1700/1710 UTC

11166 10053 15973 26001 00049 00000 00000 00000 00000

10378/9169/7419 kHz, 31-01, 1530/1540/1550 UTC

11166 10053 45687 31001 00049 00000 00000 00000 00000

Link 40122

20154/18304/16156 kHz, 06-01/07-01, 0600/0610/0620 UTC

11166 40122 65987 02028 04709

87158 82692 65689 67280 33223 02477 19641 50783 12310 70154
41014 81449 29081 93381 64833 93170 21813 82654 14167 29195
21278 39467 09643 33459 26129 26983 91561 04897 93224 15412
15543 19436 66336 19287 07647 49349 91668 68821 89907 34660
93632 82532 12209 86287 09313 33323 51448 25612 05066 25213
63926 90161 23678 22894 01889 60092 35534 01312 30175 85159
92224 07450 03897 16867 06028 51511 93085 75477 03717 69680
65262 06573 28115 25657 61841 06851 85842 43140 29330 23857
64693 86466 91241 59318 69077 31575 71676 30784 46972 94490
06498 71252 06804 09517 03041 71476 47722 74323 34296 94629
51679 04114 78504 18021 10767 62064 40095 81554 88249 58219
12919 47608 36719 34030 71686 02033 21821 74727 02589 50941
24980 16713 08995 92997 23573 42157 53199 71874 71976 77994
20135 38578 31930 41492 13997 78318 25656 99603 23716 81625
10173 34261 18217 64384 96229 30830 57397 66487 60313 31879
29768 83786 23159 23484 52691 13030 93202 46229 96154 14486
98404 48108 16018 21912 54905 21502 07665 54593 45916 91435
16011 11106 09316 47280 62792 49514 57371 35106 77072 83675
77022 52871 39921 50350 84173 15622 79177 26797 30426 82900
75255 03545 85688 65560 63926 42030 45107 54141 46996 71782
33741 36036 46851 06848 07444 93600 65771 86139 73356 00412
35974 67403 78480 57859 71318 29479 39749 39256 56605 62555
14040 33655 35412 51100 31568 06560 82401 79146 41095 19719
71041 12640 40389 77190 72670 38517 90383 89861 47847 65215
36457 75610 15925 14289 85279 37308 13791 57829 10674 85830
79689 81379 86903 00285 23095 77013 72847 42627 66549 96284
95494 68857 70414 17727 06180 03999 76463 08592 08027 73012

31271 85508 78007 04880 75312 03764 32076 51996 08732 29873
06800 92099 69705 77152 55937 04899 86338 08957 85394 40596
88037 39282 74992 22494 87287 85421 60494 50871 67788 52362
74324 00319 39860 53599 68407 27710 49083 98070 67588 33016
49098 97891 27040 40132 74494 76571 92126 89915 74742 82417
84137 62612 95094 36789 60338 71873 15402 71912 21779 97533
82766 37932 67291 49354 98991 83879 17117 78902 48750 42268
54596 81770 79409 71980 59370 57308 68457 39145 30517 18067
39464 40692 23069 66135 12515 00268 46344 78556 00056 91201
97540 69021 84079 66215 29007 18007 35608 98552 72658 88572
62387 64222 69943 69976 95746 20048 80830 16320 52558 57196
70217 72397 33226 34893 95241 03935 41652 23993 41885 74417
38112 15102 84348 35684 60975 70941 65610 24479 78212 27637
22617 82147 54629 74615 04537 39662 45754 67812 57519 35174
54324 55858 74399 56264 10314 23944 32774 24095 60424 85052
69897 61639 77996 73240 67835 13184 29260 18651 47304 07283
56870 08962 93641 80367 66676 66942 63343 03170 28638 98809
44603 77187 27845 93077 70297 93336 26573 74578 06844 70011
23311 43347 67380 12721 19698 53056 22696 62493 31304 08696
08354 25245 03210 88169 51442 99283 16289 17507 28468 00000

20154/18304/16156 kHz, 13-01/14-01, 0600/0610/0620 UTC

11166 40122 41253 09029 02729
51962 23455 30016 25537 27775 42423 59442 20890 22117 84336
31657 53296 31333 18985 10909 95532 52002 67706 71158 28714
21210 48530 40511 58176 64740 60858 43392 18138 89109 89391
38924 57312 78384 31978 78927 22665 81724 81080 33988 83505
02591 13537 61028 63098 25538 68316 10824 69979 41557 16945
98890 46164 57878 56299 88200 74447 03195 78447 57136 11964
64225 97230 51153 42206 14565 36272 41556 62693 21764 08091
39852 50465 43554 39030 41101 72598 49188 19658 94714 33935
26803 85361 26125 79190 62758 56785 57777 91663 03890 94836
02875 55701 38604 49921 30312 75124 57759 10104 24238 64800
81276 77886 86689 57546 61399 30285 56726 93551 98559 41895
44503 84506 30774 75628 03728 69626 82517 70826 90929 05760
84001 83404 84989 58762 96803 57753 65351 88329 06783 35053
72369 43476 70214 27711 98219 10843 24085 14587 81817 83025
96492 36722 06173 39114 78068 98232 21628 54617 40385 02072
43407 82981 12266 75338 96925 75869 49945 63828 09288 34397
62013 00512 70411 08523 75086 77618 12222 86756 51129 77028
79350 43401 92388 38650 89770 35489 94845 71472 08818 66622
36155 36985 85020 59891 08985 59640 21191 07060 35712 44064
79199 86215 25392 03685 41887 65054 58966 30480 80540 32004
13614 60519 01364 22370 62212 15000 69405 31676 08828 21458
33352 33412 46180 44840 99645 43360 46021 83123 29353 97683
18349 07187 56224 36985 00423 49589 49383 13498 61491 71975
69080 63615 34182 65778 88958 12939 08490 65906 83247 06032
49298 82113 02346 78070 23380 77724 85218 10573 46799 50416
82046 38402 88664 94738 85567 00220 92170 51054 94545 49594
98860 70598 57811 68930 87041 51338 72299 53424 60311 24316
29270 00000

11166 40122 85214 09030 02769
33531 57226 47106 95173 61979 18993 97233 70537 53739 09029
86306 23956 28965 65188 64029 81071 76492 09745 07266 28722
18086 64395 63834 77656 40762 05604 97960 33545 70610 27458
73327 55988 86553 04241 34660 10188 97494 69888 73783 40993
31269 56535 91094 23995 08867 59329 88376 73350 02327 19698
53896 11047 99776 44265 25736 27266 26028 01601 44271 86556
92181 63982 29754 59494 72673 86369 45932 84515 33195 39777
35634 89615 57933 41218 39276 28596 49570 47425 32201 11555
00462 04530 41818 34297 58453 70882 30453 36360 35763 55201
54867 42342 34364 37252 38367 66219 86311 63221 16457 83331

32447 32994 41954 99741 87919 21510 60525 73637 67959 01387
92562 68475 72349 59005 82346 42551 52014 21235 00434 04681
06186 34996 10205 90685 83570 66835 34507 40360 85952 14714
83332 79621 97681 49184 28473 37522 89475 26159 36081 52806
69978 38438 93080 49713 83504 98197 88358 87700 77419 67626
34689 14786 87578 79889 42303 79181 15278 17614 80073 78924
94141 41079 85217 54183 70388 83305 07483 51919 44914 54225
98743 17605 50634 21116 83937 93685 63505 57496 74296 29452
70691 77671 08792 32043 44282 99097 34745 13237 94024 99778
63533 11736 97488 62861 62334 95627 31123 25631 67838 74706
50610 75082 32875 77347 93996 57269 41881 71619 05992 92602
56164 35321 06917 14297 74880 04634 54705 72149 22672 56073
73411 68836 99911 01428 46665 20919 56468 00379 99500 61741
74958 20473 17001 28414 74400 99160 73197 00061 70217 87555
68666 79528 51526 80637 00243 35743 61651 63551 11313 48885
92793 28722 96101 25604 30799 43447 56404 76420 10966 72671
34203 72535 70822 86618 68585 24218 10809 07983 50433 47962
98817 78348 73294 14601 30274 00000

20154/18304/16156 kHz, 20-01, 0600/0610/0620 UTC

11166 40122 15932 20069 00049 00000 00000 00000 00000

20154/18304/16156 kHz, 27-01/28-01, 0600/0610/0620 UTC

11166 40122 86145 23031 03179
08949 54470 40026 72808 63023 77095 44793 06714 42185 17446
51184 71532 78929 06138 27978 64647 02635 77335 57396 29174
63916 34297 81582 80104 34090 90407 26522 17652 40661 90390
26840 44992 24785 41378 99914 32595 31650 08538 42751 96312
69694 54934 50036 81433 99614 30313 76830 69878 39095 38509
94325 52728 94201 38140 12098 35273 53366 56304 65315 66763
04911 19942 90315 12063 64045 34565 37001 07377 20270 65039
91488 67255 41133 98100 07455 35048 93266 91299 69600 94011
66649 38060 37694 81236 13028 03535 44608 71608 34435 10954
46801 23964 82747 83148 50682 06648 56209 68931 63285 44650
03870 09038 40703 55516 73871 21298 32706 66204 66515 09739
46998 28100 78058 27295 81534 72353 46164 46825 98339 72741
32950 20117 37275 08234 06581 29559 93179 42455 07320 62189
04830 62226 09000 60785 29149 42382 11842 31693 99116 29038
27551 14086 88796 58507 42646 40332 33938 54044 70941 42171
81580 67615 31125 82363 67095 58869 10382 16534 42112 28506
99980 14865 01758 48226 13773 98345 84647 54452 25540 69262
44078 98001 86126 40607 13831 66910 06299 94103 17062 24588
16254 21541 91682 30485 37736 29078 30685 35476 29687 09247
60847 69135 93361 10294 08257 61087 47864 57596 24082 63638
12024 06798 69041 67857 53559 33382 79998 30301 91464 88352
67124 52576 62558 74717 15059 80918 88123 24459 86526 17975
01591 80682 51813 63987 23191 14627 92576 29555 92511 32224
53395 87164 94914 49901 39523 53680 42726 44304 84261 20980
97155 05636 34405 76913 41873 49297 27186 83796 44188 65514
57167 06596 64755 11641 56503 08021 01761 76826 37029 52689
80515 73732 67595 87566 24395 36989 85099 90860 68068 33076
62641 06562 98944 11321 83247 06815 37781 50687 92602 49311
94395 82065 29216 21885 59402 90731 55470 91507 17928 28667
37989 99864 96238 91433 50753 72694 77211 39288 99412 35097
45590 67216 90224 49974 48968 53589 92058 21809 85426 42107
64909 32968 53772 36748 53343 31315 00000

Link 60070

10164/8179/6786 kHz, 05-01, 0030/0040/0050 UTC

11166 60070 98530 05001 00049 00000 00000 00000 00000

10164/8179/6786 kHz, 12-01, 0030/0040/0050 UTC
11166 60070 15973 12001 00049 00000 00000 00000 00000

Link 70059

6925/5235/4528 kHz, 18-01, 0500/0510/0520 UTC
11166 70059 45689 18021 00049 00000 00000 00000 00000

Link 70202

12177/10294/8068 kHz, 01-01, 0700/0710/0720 UTC
11166 70202 15937 01022 00049 00000 00000 00000 00000

12177/10294/8068 kHz, 04-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 04-01, 1200/1210/1220 UTC

11166 70202 17384 04068 02479
19742 06740 15886 89657 09973 50112 75004 02299 87224 50655
69335 33118 42512 59892 13803 18230 38897 80611 34717 26086
78086 93589 72168 13158 97593 37152 46566 00423 71905 06750
25290 50332 16087 66752 50364 48960 15270 91619 13110 23013
28454 78668 86712 46393 40063 99604 52626 15997 57694 83012
81769 01436 79492 44986 56447 98384 79596 10097 43924 40212
85082 89876 57600 47613 42855 11014 66726 20909 99915 10434
40582 04720 45440 39474 38071 79673 88125 44319 78664 60872
67211 14895 55623 07762 20641 19411 77450 75139 58786 66731
48499 59937 17174 63765 24678 23515 86656 60066 05196 94116
44463 96825 46275 79191 34560 02445 07774 42273 70770 01884
68662 24084 61089 31959 72280 12581 76617 79791 87312 91601
13569 86584 95435 22817 21780 83921 41550 40673 98161 54769
07558 65004 68530 36379 95606 61018 06248 07266 31746 01317
61129 25461 25930 09674 97030 10218 49307 91222 61569 84366
14734 78766 36412 19498 71439 49885 41565 51163 49805 94532
92105 56291 17158 37810 30795 09990 30557 47598 85004 63934
97474 81745 21397 13524 80335 54494 96800 45997 05834 26829
28708 86689 64974 50439 33848 85623 14782 19987 08255 11620
17595 13355 47283 46113 78906 24581 29000 93866 69668 19144
09393 52760 44012 66309 02832 09861 88314 28211 46226 55936
62548 10355 70305 35625 19858 03239 26469 75430 15292 69779
42638 56735 39635 58210 06555 26031 39276 45177 99948 59529
08046 38680 32035 24366 61969 95572 45752 03569 32860 33301
95197 76984 41706 40566 17698 68245 00000

12177/10294/8068 kHz, 05-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 05-01, 1200/1210/1220 UTC

11166 70202 26458 04069 01699
39731 38434 66189 40733 40178 35410 48500 58107 49409 59662
91796 42464 99143 90959 75749 71333 47905 51284 32121 87784
07307 55023 89464 92656 46951 52223 83147 63450 32636 38352
97902 35815 77543 28996 35081 08571 11104 22945 21801 58206
95225 02082 04181 73783 42576 41540 91837 48190 16602 28538
45848 86684 17968 13356 27348 18647 87119 40866 48965 23510
77637 36082 96278 06775 80086 42133 11475 87064 01037 34127
56404 80153 26947 57332 97220 90901 27607 63103 77784 49042
78805 41007 74030 49750 08934 70573 46475 84937 99198 41113
33055 76200 92136 13042 49492 45376 88118 19141 89353 83626
34524 29199 41020 04993 37288 26475 63726 95370 49489 69406
89874 92821 16683 37018 45804 60174 83658 81449 08210 35851
92306 36058 38383 73851 25292 52520 61484 08833 75210 65378
83011 07226 43928 07464 59669 90328 01772 24634 66821 40303
61285 63271 29708 25024 45212 28963 10622 02709 53409 39819
69230 92275 58375 22854 38229 20359 84072 26866 81512 80920
47748 50267 27054 68398 69420 07289 91684 69167 00000

11166 70202 68123 04070 02179
25875 65521 86949 63610 87216 95257 53013 92083 76501 57042
42564 62001 32137 41529 76905 95097 13841 77550 26443 49622
18989 57622 56964 45504 77189 54570 31489 67354 34019 83944
41124 12473 59850 91929 63356 76081 44727 73431 71225 90934
65193 50026 41815 63524 34051 62452 37498 74044 68955 57357
58370 32325 40795 72950 89313 06894 87800 53289 90129 69387
06307 45846 02171 21468 54118 62082 69918 96457 27408 05684
00938 52859 97084 98165 12649 01965 15577 56530 39350 36729
29961 02657 97937 54104 62375 09123 35747 88015 43655 11138
08970 95172 11129 39271 65065 60897 06518 52679 27619 17158
34857 77499 07082 90003 70405 80111 85815 18572 20452 29950
50906 12874 82979 31552 73159 42534 59108 30531 55724 73671
06265 23172 00791 96115 43006 24313 67784 08142 41450 73227
21506 50916 68234 82176 93647 09826 59947 57326 06127 24904
43976 46715 29674 77516 40693 94957 76113 45505 07935 09380
47767 43977 13703 67260 92434 93931 48018 18879 37367 85895
09881 66048 00687 30774 30261 20826 03690 15097 17066 74085
32456 02836 33012 28639 22222 51006 42347 76603 62939 31216
87358 25687 49463 74359 80606 04086 24809 80649 23810 98690
89914 62161 89335 06279 78334 10091 25223 02372 19326 03900
69679 57474 37742 04551 85985 55347 64184 99004 53749 93029
53840 88180 77445 67280 37458 70215 00000

12177/10294/8068 kHz, 06-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 06-01, 1200/1210/1220 UTC

11166 70202 96374 05071 02559
93767 00401 28476 57102 34949 90162 83172 93101 93060 98946
56416 96878 54320 90052 00730 86090 57274 82552 18183 79667
14419 03162 38520 82157 02675 82351 18464 74030 83640 99384
85659 25122 39576 05972 75675 73412 36045 83215 35517 36325
47148 11560 92076 46730 04298 58398 08961 30841 54466 13057
80138 70203 38840 23824 33844 14936 27822 16717 45161 40445
73323 00680 80752 64777 64272 88884 24139 68798 96287 90847
54994 86400 91447 55017 80877 56915 29093 66552 44843 56915
73605 29956 57367 53602 10096 91260 26030 46966 23936 79454
81390 92896 85082 71829 22485 24446 23116 12948 30397 13413
03945 41903 23329 39457 44110 07576 51616 58917 23615 76562
56119 90519 83234 63461 38429 60173 17238 38224 16336 72034
97450 90228 62978 98023 89609 53789 53129 02993 47930 24777
65043 47723 98849 23040 11311 36938 49851 80309 97151 04531
84334 58288 29592 53177 28457 26599 25949 90541 00878 55277
95080 29241 81361 01517 89815 42774 59157 95325 54022 94594
47103 53806 12734 82506 72394 78728 78789 65598 79946 17101
74404 65861 09289 89405 91128 61720 30942 15205 36615 15640
53192 90797 41647 02997 35227 98610 25855 34414 67541 53019
45560 88740 05582 12277 72187 98856 67537 11253 74679 57506
32236 94647 04359 35329 98073 55398 05658 28296 88917 07930
01176 76717 17918 50973 24480 23026 45166 99612 99111 00519
90141 91260 87204 70234 84878 95246 56183 48176 78796 80705
36957 90041 31121 22459 72061 25666 51848 49565 77172 60361
77178 66235 64442 85332 90355 99806 01087 64365 23863 55439
01663 88974 03897 71253 00000

12177/10294/8068 kHz, 07-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 07-01, 1200/1210/1220 UTC

11166 70202 49357 07072 01799
81492 40369 16068 13945 89344 66854 34116 79847 34964 64440
14331 66483 16539 17317 18852 65472 71828 87590 99794 20285
07622 31348 23298 65206 88279 10117 70616 49542 50550 33686
95946 45530 36837 95209 45689 63366 64118 84524 68814 21808
70688 90639 73037 47777 07928 29315 06471 03405 69271 56681
69465 63950 73586 54826 86306 95050 45111 00296 91459 02704

57181 51443 10061 54462 31905 15559 37329 95242 12983 81728
46591 06208 53861 30343 80611 80151 88405 55220 05902 11824
76280 59244 34719 26637 40222 09492 44412 96184 37397 62762
48835 14019 32023 97454 01484 30115 61459 12734 35066 67471
12927 80913 67189 69264 53071 64007 26836 50018 77541 30369
81342 49215 72774 32375 68539 10774 07176 31075 63766 36858
93882 78753 36433 89431 92298 95342 75818 38005 40575 99611
90793 77013 36253 81092 13165 61258 07224 23651 59308 32855
40215 16665 29801 38123 58984 14735 51725 57852 69403 31868
93330 99383 13631 81070 05755 23951 00544 95287 71481 07710
04641 90634 64216 59891 50577 57839 49885 46533 25535 92856
83433 93199 86619 02572 81100 65158 55456 72177 00000

11166 70202 95287 07073 01939
28107 10650 74498 46213 76165 52860 46226 63611 33801 78525
83377 00417 07744 71173 27975 63693 93065 79863 68851 90260
12112 82612 02509 69728 23459 99911 44463 19983 93071 19280
95764 38545 44863 16794 94390 78249 32827 86523 06171 20678
01948 13818 34972 45776 30065 53372 56793 21112 67879 98026
07479 59189 19296 49211 78737 16273 29282 25004 02139 31151
71437 66712 25797 27273 52451 29931 13408 26718 75649 71014
20348 49398 30809 64889 26498 95966 02424 15156 30503 37852
13622 42414 35144 62853 47913 61748 78504 49749 15956 85303
90633 70337 59526 10910 80377 42359 09892 82666 82077 81742
42757 34446 16823 27593 96983 52235 47933 38379 49270 16276
35372 82749 61970 08914 18777 73409 46244 99116 83780 17509
07735 39586 91331 81964 66947 37407 74679 97168 71519 84167
33735 47510 42583 56492 81471 22144 22384 22915 22068 24467
15370 18050 65479 63703 39914 69974 08122 77075 32878 91774
34349 55964 74187 73191 18429 74515 23618 33301 31690 44132
86980 20165 84531 42270 53876 68390 57982 88997 74233 50547
04505 69743 65795 83355 22718 27674 69755 74605 35734 74132
96719 21740 27803 90591 30193 98022 18936 20538 79771 87252
82207 73191 00000

12177/10294/8068 kHz, 08-01, 0700/0710/0720 UTC

11166 70202 15937 08021 00049 00000 00000 00000 00000

12177/10294/8068 kHz, 11-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 11-01, 1200/1210/1220 UTC

11166 70202 48597 11074 02339
79981 89965 76467 11342 19830 69290 58938 80168 82551 56988
73656 63706 94010 03365 52003 93152 56661 27979 03286 47537
03123 56315 41804 07816 60412 09663 80038 41530 67002 59164
42626 91477 09899 79962 80836 66816 73927 66376 92219 60049
20413 94054 75113 38332 37446 40039 72705 82523 28910 96671
86334 72436 34471 40293 62716 41715 97714 40657 84776 50777
24608 22011 20799 51260 99487 11771 11545 40409 50749 37730
00063 28849 83433 59745 33850 70161 20901 46828 94076 25726
22762 35587 31532 63251 71276 30954 14018 12428 43396 35132
14832 26157 10630 15708 97070 20776 33940 48854 73413 93730
45839 98573 46077 42121 36884 17915 56643 30568 88746 83093
00430 81831 21066 96469 85105 88621 44241 19301 38226 70038
35385 20225 93383 21075 79596 50399 09663 28628 43761 81239
04077 52451 75056 65692 01687 94481 41346 08981 33078 04989
55669 59762 33893 98970 51983 57629 26096 81250 04378 97901
85670 03695 06921 99634 26427 02999 56349 87791 54606 92478
04770 25516 73981 06306 74568 57432 46127 19612 52718 49923
35556 92923 06666 39321 94403 14340 88989 23936 66355 37904
23011 60883 14495 41608 86555 53621 02768 53460 36042 41154
85747 19055 38095 24836 86387 09089 00858 93703 66447 90251
22207 34285 19289 07935 97046 35820 39714 54195 50870 26823
50550 19408 91779 03938 90651 51051 98153 39009 94024 68052
84141 75317 14744 04145 10181 48913 77365 78661 30719 95977
57508 74231 00000

12177/10294/8068 kHz, 12-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 12-01, 1200/1210/1220 UTC

11166 70202 49175 11075 01739 42790 13522 08637 03222 54914
50816 60389 98069 57922 51385 99400 16433 78673 61821 95026
62098 96131 52104 48030 68145 97064 37891 20747 41551 67791
82972 68139 12177 07892 11595 18158 28347 76835 85337 74863
66193 09452 24221 42732 44955 61188 76748 95599 65424 69090
68554 38665 13726 39442 84356 36999 97615 98006 62898 08998
07482 63793 09562 08209 19247 32309 56348 41982 81349 79213
23911 00366 529912 0320 65316 93699 85848 88886 96247 22336
66423 16128 41303 26926 61226 25884 51110 92709 31983 79393
69920 06249 13044 31096 58380 88040 68187 81407 01168 49438
69011 37411 54180 47340 62087 17390 10955 35059 17075 60146
93022 32822 72981 25047 93871 66341 24753 93725 31209 46887
17379 09379 87216 91297 39719 14610 41476 05374 35206 73729
26266 79087 71643 90478 58898 67043 37269 57094 30802 52636
55273 95657 58030 19329 33965 77672 22880 77504 94770 32798
61311 20321 45246 82676 75858 07002 89302 60807 78711 97013
91823 04381 94667 83553 39868 29030 78627 99795 67635 22429
27335 96322 37393 17674 90036 13193 75171 00000

11166 70202 13748 11076 02139

14411 81106 01030 22936 19248 36299 31936 51714 31920 31342
04526 96351 37684 43662 36666 74879 45138 83418 89965 24414
60242 57338 57702 84566 22151 41635 98171 07918 74299 31199
49373 77217 69185 57241 85990 34019 30275 90584 04587 48423
19477 72781 47967 84626 83623 42260 04634 41952 78385 47672
44279 76059 93076 65631 75247 30020 24764 65044 34915 29937
75138 85201 48905 24813 68574 19828 20103 75333 14821 24282
33381 21267 64755 88083 86992 82171 32644 39958 86555 71081
83341 77594 62582 25875 07872 39294 97466 88001 35825 59699
72899 83264 58007 76798 73615 84337 57780 82378 08433 59708
74534 33132 34520 38737 47724 64589 95808 47517 14910 75072
11522 95213 62238 71855 75721 15595 50806 96720 53840 93412
67334 73096 87114 30340 72601 41963 40874 30143 46068 78719
57609 07786 50125 08187 00763 52142 62413 59954 00185 97008
49647 31235 35183 80108 81374 49436 16107 94769 07122 51619
50409 63966 45352 23045 04110 91413 57679 61983 94616 69395
06767 62989 75822 48021 21367 35811 01435 95600 16918 02143
77452 04806 45144 37388 39754 24338 71107 49632 17711 20758
01123 13013 69779 00186 10005 97668 01998 44550 41058 63458
05336 42072 77264 09638 72826 16682 07095 97681 82420 86041
33391 89435 56505 02877 98752 67787 34012 59285 25859 32050
16069 76211 00000

12177/10294/8068 kHz, 13-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 13-01, 1200/1210/1220 UTC

11166 70202 12487 12077 02599

95029 64135 25747 68839 57528 82475 16499 66971 15649 38413
63013 34350 30006 14595 51348 40407 18430 28561 86174 68332
71068 77026 55929 59603 66767 86512 29709 17200 82896 31254
90590 90947 15835 04345 35059 93433 54272 53025 93247 19921
72544 14084 49653 70705 36166 10281 69036 99350 36761 93755
57182 35242 98574 47336 11209 53891 23758 79695 39121 93438
68603 75306 53281 40775 67932 85098 67502 35735 49806 68793
52433 66798 07764 24827 28940 56723 22767 68809 04157 61568
52028 46462 79903 31521 26940 91957 88152 06992 27254 67613
33239 48387 23733 45866 45483 23021 06437 19471 75944 97586
40845 50861 86964 09640 19000 96605 18196 16512 97850 67901
32819 45113 42002 13034 73613 91046 13036 32757 83575 40475
72604 64511 70791 13184 91485 96436 22213 50270 81776 97096
96068 94894 94419 71872 47561 39547 49256 81949 67555 38243
89775 86842 38949 07104 79766 96388 40399 61754 84048 43157

52104 64973 00472 11198 43318 83032 35375 82084 46300 74170
39689 84175 46367 57627 47870 56033 42755 36685 86852 59945
59964 74150 47211 06479 14280 43718 33717 76007 65162 05645
37475 48146 06177 80181 96829 75042 75174 17198 39227 59438
88387 85433 21229 23469 28147 29815 08851 79113 38894 70277
65417 36246 11183 40530 39138 09221 58362 90197 67562 07931
15613 98778 41126 24275 16045 74856 92963 49978 23524 39007
07179 86687 26930 13832 62760 34300 25526 69551 55327 68444
60133 98614 63895 43067 69782 17742 54852 79041 78555 20848
40323 24766 42278 31281 33123 99656 09774 26818 65473 56501
78345 35851 63681 23587 48192 28200 95959 77257 00000

12177/10294/8068 kHz, 14-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 14-01, 1200/1210/1220 UTC

11166 70202 38412 13078 01539
04655 08055 15753 78191 87284 28114 88404 92189 55812 87558
90273 27787 80187 17071 54432 23653 95339 74184 57980 87435
25222 82246 10592 07226 83898 54626 69328 94376 33381 02622
71906 18601 02880 50493 05615 21301 99180 06061 54061 18047
62808 60307 88937 26163 49691 14427 98993 78339 42990 57743
73407 08229 24803 44952 81730 18939 62407 46117 17611 70385
88754 67852 98468 46421 81873 69137 38317 87693 72904 20197
35915 01159 37424 77886 45441 82193 49757 76020 21872 10248
04972 54072 58256 03959 38231 72697 57072 46688 96199 89512
02853 18399 40187 93554 28267 94816 85714 21884 90848 99818
08200 06739 02557 21981 69440 26709 79352 31220 44582 60335
02985 56474 54270 65601 12172 10357 31657 33733 65365 71713
78963 90755 42278 62038 93281 45244 76376 76665 66295 05694
35513 56687 87622 15970 92890 12533 06453 82250 55551 35143
31176 89917 42564 55680 71684 33822 30114 39714 54043 10369
05670 78151 00000

11166 70202 45632 13079 02079
56549 87461 15208 01229 99641 17555 82885 45881 55312 63308
75508 62548 77790 28361 48744 91944 57549 74526 33908 76845
14489 06457 55017 16129 11920 60309 65874 18920 71033 94850
99352 19773 90550 08444 46075 40822 01233 30353 04678 11841
09938 59796 70840 84158 12927 51197 57278 99347 83086 69058
61871 98647 60767 60907 26135 84041 02922 21740 51202 66927
70235 48412 63515 65333 56926 07407 47413 35602 92916 64415
86801 49477 73044 49178 83088 52553 93024 54011 41581 64996
96827 89465 43527 10494 65175 45551 45983 84366 99836 31966
76707 96771 83410 95763 16260 51946 19286 39905 84493 49423
81467 91118 73629 18153 28946 90524 95100 19479 64310 05444
32356 79894 41287 85833 16803 39520 50893 13797 69087 27249
40883 19591 72893 98480 48192 62578 73443 96395 49053 00555
17900 22703 56475 95898 79846 28793 19770 31969 35040 63243
05825 38198 80614 36607 66796 47310 14938 89424 23914 33111
20291 74394 22094 02278 15579 88643 35028 38588 71233 17030
25465 23035 03527 72422 90337 78254 90450 43886 45454 10704
76379 88717 29422 49037 57683 29264 31496 02106 66483 40469
73045 85025 94747 39073 97314 86751 25894 10412 47177 77589
66114 33758 35567 80088 92583 92123 38267 51750 60750 77482
63750 52989 37906 27334 79766 79205 00000

12177/10294/8068 kHz, 15-01, 0700/0710/0720 UTC

11166 70202 95624 15059 00049 00000 00000 00000 00000

12177/10294/8068 kHz, 18-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 18-01, 1200/1210/1220 UTC

11166 70202 96374 16080 02299

10091 16345 60820 11843 48284 52686 88425 74567 61477 96863
02246 17604 92732 65449 66364 42503 30445 78600 47563 88124
68700 80660 12068 83127 13456 89761 67310 23545 14192 74870
40910 36405 25752 83710 14035 15320 30037 70000 51355 38984
72255 93451 94759 08524 91411 90952 13038 64628 49715 42379
24693 70405 90611 79482 36102 70896 80105 11265 62187 65190
11078 64314 21790 52072 75275 61503 24952 35141 32668 87510
94268 98344 32848 14600 87515 87854 68179 87082 13728 61235
63364 87917 59933 89823 31125 35867 70707 25282 48688 86668
47752 66237 34754 36636 61685 85963 31649 52152 93216 07036
22328 73465 45915 33885 36944 66251 97735 79217 28641 19356
83511 45202 23285 12175 25588 45392 72797 00097 54785 78303
66797 91446 88886 88586 82230 14381 60828 76740 75668 97148
13789 43296 47979 10179 05354 78407 36044 43416 87957 32795
11212 17350 57776 30969 89181 51175 89270 12685 80996 36513
97552 13543 39843 90139 95782 20703 83327 84158 39765 64624
95945 77048 76938 32778 41397 94024 41957 16274 39464 30162
66030 25332 87119 74705 92223 34541 28571 80003 13909 43836
03905 23522 78538 66143 31043 36347 23947 77613 00681 96640
39350 91399 88904 11467 68250 40899 17169 35439 95411 83410
14328 99622 85114 60138 60405 49123 62865 73482 16783 12807
57742 67545 72514 53592 47584 22812 61431 72734 74196 00908
29737 66560 20755 00415 58780 59083 68618 80227 00000

12177/10294/8068 kHz, 19-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 19-01, 1200/1210/1220 UTC

11166 70202 63257 18081 01719

98388 42399 84356 98146 84388 13511 30937 13398 08627 55768
53317 09563 54808 33662 78802 22455 73454 32108 68481 15014
41744 24369 00547 12653 33983 93182 19728 69170 44917 16066
07524 36664 33062 50705 52924 37890 76236 81383 28306 64498
56493 12389 00198 49586 16634 19321 29584 88001 55488 94255
41461 02844 54154 45685 68309 81590 50381 39189 97184 30289
03287 89762 75101 19252 15590 41739 52419 18701 05555 97253
68888 47779 45827 79175 12073 85385 11350 39450 02811 16267
03559 48793 87427 10789 43018 28666 41365 61853 47718 11470
13922 27364 39193 39915 68806 51711 43665 41467 00166 64689
80388 38845 28796 81293 54398 82484 08218 50838 95828 15912
95297 28821 13015 09968 65111 69989 51536 26813 74729 66025
76420 99661 05622 76301 19666 39167 39358 25144 60292 02414
46295 64027 29095 85440 91950 22160 55291 25232 90720 93878
97255 22131 61671 36296 24518 18586 66050 75647 43222 95193
31232 45755 82227 69961 90777 07070 82045 11726 95288 19711
53790 03671 73757 68946 00343 17889 50088 66556 16902 81169
00000

11166 70202 39254 18082 02159

88663 81304 97706 64756 45547 03899 26057 05975 61761 99553
97083 23986 61808 27772 68230 80690 03606 95209 33113 20801
68888 76428 68995 27983 37685 55044 86325 91260 14070 21236
59997 80104 95375 86534 47050 51654 02038 01832 20471 38503
10286 89552 73808 90491 54841 25924 76264 68938 93834 34283
82967 16750 53105 75347 30110 52851 92093 45411 69633 64363
58492 18372 23151 94979 23866 92552 59803 52964 17409 28249
27714 87224 00031 86926 93761 04879 45973 08026 71329 28771
24122 84292 40732 18365 96221 21593 92010 02451 74167 94125
44772 97107 03570 30993 24772 07361 65773 95048 01921 35961
15525 39973 19404 47733 96463 56509 68601 62936 01647 43791
89499 78049 71262 66712 01270 37451 44757 85268 92722 04407
09529 66799 27305 04816 13402 17097 42336 42141 33048 91276

47169 06978 15563 70391 49972 29685 35364 14694 67798 49514
33616 29497 99656 98693 32363 04577 67250 24874 40545 13041
53083 00408 94113 80608 90609 91868 97400 61240 86135 88270
57954 80051 77129 11415 32013 29452 56662 56796 22821 29436
18634 38528 98950 87982 03499 36688 24842 22483 49163 70564
20733 28142 76742 46201 94169 04290 65875 51711 10291 74543
99272 98765 93065 61753 81193 33730 74677 03666 59530 66850
35240 20256 06204 92951 00030 68650 35535 02079 86433 46590
65304 03512 17778 82213 00000

12177/10294/8068 kHz, 20-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 20-01, 1200/1210/1220 UTC

11166 70202 68173 19083 02639
12433 32391 43691 44172 23741 18647 59768 29709 82924 00879
46536 61804 35769 32306 66553 10558 94266 55387 19579 87144
51186 93408 94300 71203 60753 72656 72890 02385 40136 48572
55587 71992 71414 34366 97481 75662 08730 55502 74692 13020
20293 78499 22136 45237 19946 87489 10053 46442 67964 06963
51499 09921 45778 94146 57980 95024 34313 49449 85413 25759
50631 18405 37619 76949 22556 83562 19504 08960 05976 69753
57157 36869 74511 11176 27012 45072 36237 53731 61288 83213
57130 91055 21885 04419 95954 57674 59922 31741 80260 27727
03112 63771 78171 92698 38146 55346 45678 16588 80303 34285
54088 91952 47434 40112 27357 45281 80537 95673 43957 65102
78109 47617 82991 51306 36438 36643 19234 09076 13055 83488
96774 35894 55511 01569 35977 75054 62675 72208 53415 34114
70736 43424 99490 91718 81106 38165 43414 41252 72397 82966
60230 44734 63676 92960 99590 95417 21170 74159 40945 12500
25617 28967 64850 16419 42456 75854 95079 58136 62024 19126
91213 00876 01974 29725 96420 77729 89070 23009 70085 73588
62589 44439 59998 04823 66464 99115 93779 95153 22406 86095
94229 71157 01161 23437 48294 25833 34098 74900 84324 23670
32323 14251 37334 45668 05496 88095 06925 97726 97535 63185
37581 30853 81423 69140 76010 46623 80260 72514 85223 86342
06787 43143 20044 27321 38551 98721 93724 34728 70904 38536
90369 42443 15015 02298 02847 61351 33097 15008 00865 38515
28021 03800 58927 15669 29522 97684 98831 60457 44162 46153
26401 68874 61261 17556 67153 62326 31966 63208 30571 27762
63653 58157 57686 74308 96855 54543 31636 04846 56884 08499
55913 83261 00000

12177/10294/8068 kHz, 21-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 21-01, 1200/1210/1220 UTC

11166 70202 15379 20084 01639
01927 43623 26552 06401 21656 52805 82058 16577 59092 89460
96200 59104 18215 54518 53781 33758 51685 55211 85562 42363
83742 63291 78117 31830 94130 78431 09571 66587 49001 26485
59651 72587 89726 47296 67493 20098 15559 51748 35640 37433
21075 52742 03668 72839 74345 99783 39880 46715 46761 71872
24503 61339 30458 08379 22825 60317 04281 82599 71713 54918
34213 47673 27951 59490 19223 09547 51817 03152 18453 06686
24376 09938 20698 01199 21874 64584 42102 11088 95724 06156
63018 38292 31479 16683 39968 72223 85248 97014 53627 73473
21005 47057 78798 67388 97191 92599 87278 02192 76095 25912
19585 51347 54405 52292 86465 64847 38404 59764 86120 99111
12221 54107 48103 80192 72591 26400 39799 79961 28560 45280
96455 09979 89560 91088 60674 62719 90309 74103 42318 54855
25958 04040 34763 52273 95932 03010 48442 81517 79906 79120
47600 57349 94336 02911 01220 81104 03003 53807 84041 89538
79993 28782 88613 58850 48561 30407 34322 93565 44305 76496
84329 84161 00000

11166 70202 24859 20085 01919
36204 75079 02886 51964 87070 33570 57822 47578 12277 07674
30725 34054 04769 22155 20579 57173 22724 89271 70480 16479
59155 25515 95099 21329 15896 90330 18001 96255 24181 57738
73515 09088 78989 56805 52856 20259 79345 41905 99155 76751
91764 78696 81113 99093 79031 56766 99953 34878 61499 64861
09358 77206 03092 89671 53088 71522 39204 24065 49964 59255
88684 95751 80890 31725 17084 52283 57627 92726 43362 63344
77983 53259 07244 26262 97126 06804 39401 85678 69688 58621
01656 03320 42359 07481 89394 38801 01666 03273 13368 27402
06604 28933 03084 65756 60821 80130 98961 41385 04050 41132
25446 67016 27448 80312 62267 05632 42570 13715 56031 97163
58628 10129 39326 22798 47744 36099 49544 67813 02881 64322
64593 68884 18130 93851 97686 56803 46059 55561 18409 30543
11790 01304 92235 23613 88503 00185 55700 48629 64062 90421
69387 31051 53431 60189 15951 68010 36584 55920 35337 73181
26593 41475 14403 93617 97569 56634 73116 09505 27169 48338
14525 52753 33326 73129 30682 05386 09917 94210 81720 63640
91033 21578 90249 78735 98566 68653 18287 10233 52764 23865
18878 52939 50477 60598 79629 23269 40759 33968 00309 85189
00000

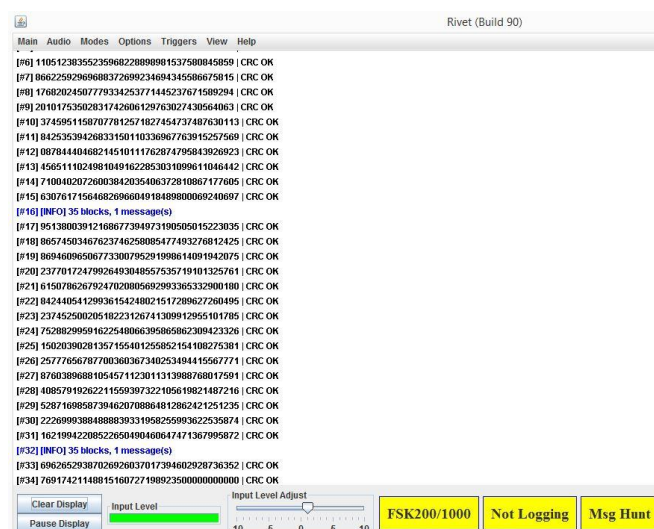
12177/10294/8068 kHz, 22-01, 0700/0710/0720 UTC

11166 70202 96347 22014 00049 00000 00000 00000 00000

12177/10294/8068 kHz, 25-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 25-01, 1200/1210/1220 UTC

11166 70202 85413 25086 02219
79856 43221 29965 54036 54895 30378 32093 29112 16013 82526
15005 01285 98848 75989 25910 09615 88714 62402 23360 23685
92686 47911 66959 60932 69986 63864 64603 91567 00367 27456
69420 92044 95161 15738 43605 32984 80702 01460 31341 12525
08787 24149 07988 71011 73883 94898 97723 47969 41766 58268
76839 67307 19254 59759 04859 61673 19761 92298 50677 71913
04329 20151 05915 82564 02838 03724 02656 79313 45075 73676
77773 39380 56367 27796 51028 90733 97431 49048 09113 01101
53173 68278 12857 82698 00080 19955 69745 23624 06929 64439
38975 81838 48472 75180 61203 02699 36808 14295 30200 45942
00104 44967 48576 33103 63381 54097 34788 51259 11033 83640
73592 74074 35766 94080 27151 86058 03660 08466 48962 20990
90023 10451 67815 50432 65744 94775 33956 83293 38809 93630
44633 62349 80685 27331 91245 68680 92267 52749 95241 69958
89040 07939 24988 73519 10187 76385 10775 70148 81297 19323
00162 79540 85389 49558 20829 33347 21904 45235 43153 56760
58388 26973 59664 34578 04535 46829 23592 72662 63278 62509
13675 90765 38620 95272 17436 07626 04890 94965 50094 04292
67113 60618 51310 76607 67185 90050 26957 12796 15523 56916
28090 57071 52906 38625 84314 45232 72175 43586 33737 23163
54476 11197 16687 84175 99748 83031 25388 86148 56142 68656
26784 34375 78038 54508 00688 41085 67380 29279 60457 86219
00000



12177/10294/8068 kHz, 26-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 26-01, 1200/1210/1220 UTC

11166 70202 96357 25087 01719

71563 14672 71587 57994 98893 71378 17034 02893 52263 85240
34594 97855 92472 61205 28761 39146 44852 21023 58753 50178
38079 41060 46324 14305 36835 59351 29760 38551 29253 56569
87502 65500 55081 40619 79848 75511 85515 89522 82139 46448
90622 32299 07909 63129 55301 72519 45389 93656 29716 84220
55855 74842 25138 34873 07206 73890 91139 15089 41243 18544
35071 79751 98085 12878 69755 30262 46136 80916 00352 92582
91062 05278 86308 70772 62221 53019 39359 80697 99947 05883
43484 93602 92179 37121 07787 44235 33821 02089 88212 83205
07303 34794 39064 78281 07774 67598 80222 94280 61356 16240
91044 06278 09904 97385 66846 25794 60702 70882 98929 44662
24553 23907 64075 26257 90663 39199 34451 98772 11803 14561
43863 30244 98139 25813 71298 89989 43215 50400 27682 26170
30478 93822 56802 14142 93824 86090 86326 55311 30586 40388
89860 31150 90382 91124 45969 42082 88305 53574 05119 85924
15846 72281 00462 55555 48020 50427 63402 60518 70119 77336
29895 02235 72530 96317 48393 57520 87053 80023 25401 87169
000000

11166 70202 14793 25088 02339

76109 81429 57081 26815 88959 72436 05574 34911 49299 31929
84494 99222 31392 05129 64464 70379 51057 59485 99496 77325
22328 86717 30981 15937 44284 55741 46042 09611 47753 64905
32495 52763 56557 66985 97559 73182 43000 65374 42545 74154
82280 04891 10663 42321 35520 05663 50184 32199 16087 13511
60111 63285 18912 65276 10558 90713 17481 92521 55021 35367
58187 12057 76742 84416 06740 76710 36327 98195 26302 84798
12831 84362 92063 71721 55489 25293 71923 32119 88271 69619
27971 46046 34462 23881 18458 07572 53447 05199 04948 79267
06896 40931 94322 21013 96518 26235 70348 66549 40605 75473
94469 46226 81506 28416 80539 79380 41276 97148 73156 84779
67628 64661 84303 82566 37428 71013 67975 86149 09882 48054
37484 07471 46623 88596 55121 24087 40885 61019 48883 81509
22932 05202 35918 29233 33961 70753 57413 13891 85637 83462
54589 77985 47471 50904 40494 37609 29203 43148 47286 37620
50405 09501 53699 07686 14476 17218 22358 67652 29213 23132
01659 55661 41156 14124 71874 77459 75893 77379 40202 00340
01502 86369 14402 40144 57330 13493 09761 14778 15292 05311
69025 62653 65875 81322 00018 49529 46037 42212 60620 12147
51187 98498 45801 12137 98439 55549 56381 98608 33318 15860
54234 02873 97108 84570 33589 13724 97045 89134 63138 06734
46513 49091 78637 25985 67460 56868 30676 41680 72202 55558
17309 32069 66806 24607 56249 63130 43257 09349 76290 64446
52560 88231 00000

12177/10294/8068 kHz, 27-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 27-01, 1200/1210/1220 UTC

11166 70202 34896 26089 02379

43467 88822 13188 33633 07289 49439 38169 39811 03433 50875
21099 94032 76593 47925 67557 57271 72034 43931 54391 89423
42540 44297 91015 24552 68356 74937 05417 69656 94808 89107
72053 12918 17277 11051 23835 52359 68228 89898 15375 80845
85986 62259 29696 88372 69923 46943 45586 67581 51768 20245
07779 33425 37714 45237 67158 92942 01017 53502 83174 26061
29763 02743 05640 63374 59511 58707 78125 71827 45473 74876
30113 84253 53942 68331 50110 33696 77639 15257 56908 78444
04682 14510 11176 28747 95843 92692 34565 11102 49810 49162
28530 31099 61104 64427 10040 20726 00384 20354 06372 81086
71776 05630 76171 56468 26966 04918 48980 00692 40697 95138
00391 21686 77394 97319 05050 15223 03586 57450 34676 23746

25808 54774 93276 81242 58694 60965 06773 30079 52919 98614
09194 20752 37701 72479 92649 30485 57535 71910 13257 61615
07862 67924 70208 05692 99336 53329 00180 84244 05412 99361
54248 02151 72896 27260 49523 74525 00205 18223 12674 13099
12955 10178 57528 82995 91622 54806 63958 65862 30942 33261
50203 90281 35715 54012 55852 15410 82753 81257 77656 78770
03603 67340 25349 44155 67771 87603 89688 10545 71123 01131
39887 68017 59140 85791 92622 11559 39732 21056 19821 48721
65287 16985 87394 62070 88648 12862 42125 12352 22699 93884
88883 93319 58255 99362 25358 74162 19942 20852 26504 90460
64747 13679 95872 69626 52938 70269 26037 01739 46029 28736
35276 91742 11488 15160 72719 89235 00000

12177/10294/8068 kHz, 28-01, 0700/0710/0720 UTC

12154/10158/8023 kHz, 28-01, 1200/1210/1220 UTC

11166 70202 26854 27090 01739
40562 26195 30728 30685 19095 40126 44516 09256 04920 58227
00507 19657 24311 67795 89850 65963 14223 11499 90308 34118
65087 20080 23541 47150 40652 30321 38675 51737 54565 86699
14321 97062 08376 50170 96238 91884 20660 62512 12837 50774
01940 39685 35684 65444 55089 92623 77237 62116 05924 98907
42958 30863 93643 73757 80009 37853 75834 13773 89730 56456
27708 11872 96060 78116 40258 66853 87109 88965 47041 36028
72061 23082 34254 04352 20596 28360 13795 68504 77021 05901
64007 59341 66297 08892 67785 51166 34138 11879 02726 31258
88390 86402 63023 28083 33869 43906 17789 21644 17830 31876
35482 84392 28281 94135 29145 26141 12310 31243 02122 41423
06623 21915 98958 82728 97473 91436 91163 08056 52174 37965
52515 76219 89378 52697 03615 88345 80321 94809 30361 99001
98201 07128 06039 45386 57899 83454 71707 68028 13206 23495
54580 21426 03773 36318 29077 98061 68945 78288 50240 14239
70679 36411 14204 31167 92731 93022 25397 09740 08306 32767
75178 22449 33341 77793 61579 70851 07633 62119 04850 82052
70977 90171 00000

11166 70202 92487 27091 02239
76346 85311 83883 17281 70954 17790 94549 67357 81918 59808
62001 98337 40116 40621 81897 10476 31559 89001 66633 83387
17584 02911 37440 55341 25052 69271 66987 54989 98761 94767
77152 08979 33255 33626 21657 73879 26203 23299 08252 65867
20565 64003 40143 86592 27700 03040 81343 68687 48625 09832
75632 89328 35611 52634 73822 25312 61286 12828 49014 48067
87457 97760 04521 82045 50820 38054 04162 74936 07751 80318
79604 53121 05375 11225 94447 60832 71082 73851 69724 06437
37694 62259 00524 64283 46459 05229 18412 05555 95070 75086
79340 56565 22890 82578 81730 07936 50562 43701 44423 23077
16219 29462 99172 19439 75447 34466 77391 20946 57215 25308
95806 05059 92943 54669 70738 92905 60906 52089 15678 55919
13160 27326 01850 37407 77164 47254 86455 12515 49315 72235
38278 34987 22543 62904 15333 44204 15195 93287 74265 30887
93362 31227 16171 84951 03863 72010 98521 73916 60044 36172
67903 25320 47621 67383 93239 11576 42702 91384 04182 60711
59225 21887 64376 41418 67971 24383 34273 95859 54340 73807
03173 18670 07098 66985 95208 05576 55253 75794 78927 20096
95276 51996 35184 51733 75835 19662 63018 64117 32234 16132
28207 56518 87751 67447 84181 87180 64062 09198 19996 31915
67921 88710 15030 76372 46311 09526 05125 65453 27231 04095
89825 58285 88319 45644 35427 62197 20495 35126 53509 44141
78803 91221 00000

12177/10294/8068 kHz, 29-01, 0700/0710/0720 UTC

11166 70202 96357 29081 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 07-01, 1330/1340/1350 UTC

11166 80214 96521 07001 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 14-01, 1330/1340/1350 UTC

11166 80214 34289 14063 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 21-01, 1330/1340/1350 UTC

11166 80214 15379 21014 00049 00000 00000 00000 00000

12186/10243/8175 kHz, 28-01, 1330/1340/1350 UTC

11166 80214 21598 28065 00049 00000 00000 00000 00000

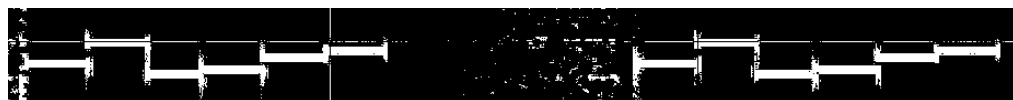
F06a – FSK 200/1000

5185/4835/3796 kHz, 01-01/02-01, 0500/0515/0530 UTC	File 04455 (992 bytes)
6823/5813/4816 kHz, 07-01/08-01, 0500/0515/0530 UTC	File 04456 (976 bytes)
6823/5813/4816 kHz, 14-01/15-01, 0500/0515/0530 UTC	File 04457 (1264 bytes)
6823/5813/4816 kHz, 21-01/22-01, 0500/0515/0530 UTC	File 04458 (1168 bytes)
6823/5813/4816 kHz, 28-01/29-01, 0500/0515/0530 UTC	File 04459 (1392 bytes)

18276/16213/14493 kHz, 02-01/03-01, 1500/1515/1530 UTC	File 04449 (1088 bytes)
18276/16213/14493 kHz, 09-01/10-01, 1500/1515/1530 UTC	File 04450 (816 bytes)
18276/16213/14493 kHz, 16-01/17-01, 1500/1515/1530 UTC	File 04451 (976 bytes)
18276/16213/14493 kHz, 23-01/24-01, 1500/1515/1530 UTC	File 04452 (992 bytes)

X06 - Mazielka

5757 kHz, 10-01, 0642 UTC	MFA Moscow clg 246135: Unid embassy
9158 kHz, 15-01, 1001 UTC	MFA Moscow clg 361245: Russian embassy Copenhagen
7988 kHz, 14-01, 0842 UTC	MFA Moscow clg 561243 Russian embassy Helsinki
11492 kHz, 11-01, 1242 UTC	MFA Moscow clg 364152 Russian embassy New Delhi
11153 kHz, 13-01, 0859 UTC	MFA Moscow clg 465132 Russian embassy Sofia
13517 kHz, 11-01, 0932 UTC	MFA Moscow clg 463125 Russian embassy Rabat
17475 kHz, 11-01, 0813 UTC	MFA Moscow clg 156234 Russian embassy Kampala
11537 kHz, 11-01, 0903 UTC	MFA Moscow clg 421635 Russian embassy Oslo
13506 kHz, 14-01, 0949 UTC	MFA Moscow clg 164532 Russian embassy Dublin
11411 kHz, 14-01, 0959 UTC	MFA Moscow clg 164532 Russian embassy Dublin
11447 kHz, 14-01, 1153 UTC	MFA Moscow clg 564213 Bonn Link cf 13963 kHz
11638 kHz, 18-01, 0752 UTC	MFA Moscow clg 165324 Unid Russian embassy
8068 kHz, 18-01, 0819 UTC	MFA Moscow clg 263514 Unid Russian embassy
14392 kHz, 18-01, 0924 UTC	MFA Moscow clg 532614 Russian embassy Paris
8830 kHz, 19-01, 0920 UTC	MFA Moscow clg 154632 Unid Russian embassy
12157 kHz, 19-01, 0910 UTC	MFA Moscow clg 165423 Russian embassy Brussels
13401 kHz, 19-01, 0932 UTC	MFA Moscow clg 165263 Russian embassy Rome
18245 kHz, 20-01, 1232 UTC	MFA Moscow clg 231654 Russian embassy Abuja (started as 111666)
16103 kHz, 21-01, 0931 UTC	MFA Moscow clg 645321 Russian embassy Ho Chi Minh City
17475 kHz, 25-01, 0903 UTC	MFA Moscow clg 156234 Russian embassy Kampala
20690 kHz, 25-01, 0917 UTC	MFA Moscow clg 156234 Russian embassy Kampala and Link on the same frequency at the same time.
16117 kHz, 25-01, 0944 UTC	MFA Moscow clg 463125 Russian embassy Rabat
10372 kHz, 25-01, 0956 UTC	MFA Moscow clg 463125 Russian embassy Rabat and changed to 431625 Russian embassy Warsaw
13510 kHz, 26-01, 1003 UTC	MFA Moscow clg 612534 Russian embassy Ashgabat
17470 kHz, 26-01, 1036 UTC	MFA Moscow clg 216354 Russian embassy Chennai
11411 kHz, 28-01, 0936 UTC	MFA Moscow clg 164532 Russian embassy Dublin
10193 kHz, 28-01, 0949 UTC	MFA Moscow clg 164532 Russian embassy Dublin



X06: 361245

XPA1

14852/13952/11552 kHz, 01-01, 1310/1330/1350 UTC

895 895 895 000

03952 00001 00000 36660

14852/13952/11552 kHz, 06-01, 1310/1330/1350 UTC

895 895 895 000

08004 00001 00000 33260

14852/13952/11552 kHz, 08-01, 1310/1330/1350 UTC

895 895 895 000

06661 00001 00000 34664

14852/13952/11552 kHz, 13-01, 1310/1330/1350 UTC

895 895 895 000

07321 00001 00000 33261

14852/13952/11552 kHz, 15-01, 1310/1330/1350 UTC

895 895 895 000

09600 00001 00000 34261

14852/13952/11552 kHz, 20-01/22-01/27-01/29-01, 1310/1330/1350 UTC

895 895 895 1 895 895 895 1 895 895 895 1

08658 00112 07876 56472 95774 10135 42417 43879 69509 60250

34868 34091 08283 46375 41963 34126 43412 24959 20249 68653

96019 36989 05109 68265 81916 96481 72019 45072 98942 87185

39300 24726 10389 78505 21104 44978 04448 58987 80296 43803

85421 75523 87640 92893 65350 76936 47736 54084 58941 55453

53196 24271 52038 85041 04254 20297 15641 71539 31300 05806

27044 47055 07102 29908 16763 21239 59078 01049 82994 17862

99328 26507 23550 07831 69705 67759 42455 68900 77872 18337

71544 13682 10331 67375 27371 50987 72081 44575 75483 17500

47164 82659 12607 98554 78848 40278 79552 76797 03765 78117

05611 10521 80322 88032 45117 25633 06122 07901 12731 39399

84919 15635 70264 02828 17620

12157/13462/14374 kHz, 05-01, 0810/0830/0850 UTC

0810 UTC Stopped after ca 40 seconds

0830 UTC Stopped after a few seconds

265 265 265 000

08325 00001 00000 35262

12157/13462/14374 kHz, 07-01, 0810/0830/0850 UTC

265 265 265 000

08022 00001 00000 32262

12157/13462/14374 kHz, 12-01, 0810/0830/0850 UTC

265 265 265 000

06488 00001 00000 37266

12157/13462/14374 kHz, 14-01, 0810/0830/0850 UTC

265 265 265 000

05180 00001 00000 31665

12157/13462/14374 kHz, 19-01/21-01/26-01/28-01, 0810/0830/0850 UTC

265 265 265 1 265 265 265 1 265 265 265 1
00602 00116 49970 84775 91142 81331 59271 10401 58517 62226
28924 80632 86366 01419 77462 78354 66780 52524 32931 41601
48010 24979 88572 31867 16920 32554 49005 18339 56711 71016
20574 11204 66432 40980 64963 04376 12656 74065 52623 77934
31704 37252 09369 47260 50847 14503 81539 34550 55089 35911
30634 88122 28177 94821 32028 23689 22763 08612 91014 01956
90694 19142 54448 05566 00157 93259 00241 07659 52631 27253
32570 37622 83060 84351 57391 80779 62850 79503 28994 85274
27548 79638 94730 83449 56341 25498 26966 83985 12949 30314
87756 48651 02411 99961 84841 74767 61742 52054 80323 90539
76788 73717 91139 47703 39810 75768 55794 61774 19802 76301
09602 59992 03998 42475 19417 36259 12669 58875 05713

XPA2

10231/9331/8131 kHz, 01-01, 1100/1120/1140 UTC

07189 00001 00000 36267

10726/11426/12226 kHz, 01-01, 1200/1220/1240 UTC

09913 00001 00000 37262

14794/13994/12194 kHz, 02-01, 0910/0930/0950 UTC

06242 00001 00000 33262

9317/8117/7517 kHz, 02-01, 1600/1620/1640 UTC

05439 00001 00000 37660

10921/12221/13521 kHz, 03-01, 1200/1220/1240 UTC

03729 00001 00000 41255

11493/13393/13993 kHz, 04-01, 0800/0820/0840 UTC

02760 00001 00000 34660

14977/13971/13371 kHz, 04-01, 0910/0930/0950 UTC

07296 00001 00000 35270

9317/8117/7517 kHz, 04-01, 1600/1620/1640 UTC

03471 00001 00000 33662

10231/9331/8131 kHz, 05-01, 1100/1120/1140 UTC

04857 00001 00000 40661

10921/12221/13521 kHz, 05-01, 1200/1220/1240 UTC

06614 00001 00000 36257

10465/9165/8065 kHz, 05-01, 1600/1620/1640 UTC

04312 00001 00000 33655

11493/13393/13993 kHz, 06-01, 0800/0820/0840 UTC

02004 00001 00000 33252

14977/13971/13371 kHz, 06-01, 0910/0930/0950 UTC

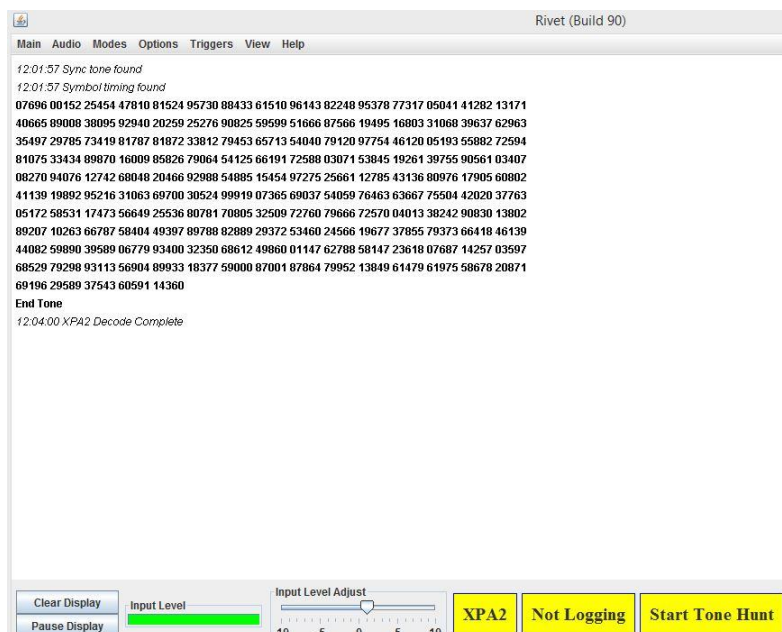
04217 00001 00000 35655

13384/12184/10984 kHz, 06-01, 1100/1120/1140 UTC

08709 00001 00000 41260

10726/11426/12226 kHz, 06-01, 1200/1220/1240 UTC

07093 00001 00000 32670



14794/13994/12194 kHz, 07-01, 0910/0930/0950 UTC
06151 00001 00000 32263

13384/12184/10984 kHz, 07-01, 1100/1120/1140 UTC
07066 00001 00000 34266

10465/9165/8065 kHz, 07-01, 1600/1620/1640 UTC
04362 00001 00000 33662

10231/9331/8131 kHz, 08-01, 1100/1120/1140 UTC
05516 00001 00000 36656

10726/11426/12226 kHz, 08-01, 1200/1220/1240 UTC
02498 00001 00000 37263

14794/13994/12194 kHz, 09-01, 0910/0930/0950 UTC
01118 00001 00000 35652

9317/8117/7517 kHz, 09-01, 1600/1620/1640 UTC
08931 00001 00000 36253

10921/12221/13521 kHz, 10-01, 1200/1220/1240 UTC
05038 00001 00000 35260

11493/13393/13993 kHz, 11-01, 0800/0820/0840 UTC
07325 00001 00000 35661

14977/13971/13371 kHz, 11-01, 0910/0930/0950 UTC
02396 00001 00000 35663

9317/8117/7517 kHz, 11-01, 1600/1620/1640 UTC
04055 00001 00000 33661

10231/9331/8131 kHz, 12-01, 1100/1120/1140 UTC
07993 00001 00000 37270

10921/12221/13521 kHz, 12-01/17-01, 1200/1220/1240 UTC
09447 00204 13726 99902 70855 22784 33899 33724 25875 19602
40530 56171 52935 72913 94482 74308 71425 36249 44640 27991
63962 99695 14467 37996 93493 88549 34978 04910 53162 76506
52318 54118 54666 43961 36322 85730 40008 57329 08269 84612
35017 61946 88889 61086 93297 58358 65099 13839 34217 78213
69138 60868 88325 23148 59707 06089 50324 98004 56570 84609
71327 31017 53003 72836 11227 18422 68824 92253 88258 24641
58723 95907 76926 61488 88378 98743 98735 15352 69981 57565
15605 42831 57342 57341 10126 88716 27144 90015 09701 67378
77453 68424 93812 76710 84981 25889 24997 76625 54035 50790
74162 70049 95218 44775 47075 72337 66778 03019 72416 50339
81725 77582 96544 56705 21013 74983 91648 48513 62543 47662
25992 27695 80170 42543 87977 38721 81300 79294 62116 85108
05835 55271 28390 56185 55881 86120 58967 68484 63162 94098
59645 66444 79506 19645 87411 45259 43383 98762 87916 26543
73838 32565 70844 30329 10706 54166 56332 31730 33234 66488
94120 25438 13607 91350 61171 14516 23421 34092 80094 15869
76674 88501 56614 02275 15954 40690 80863 04238 22199 06027
75546 21498 86217 49632 47874 45191 43543 53643 39246 04734
62691 67443 85088 54169 86051 67314 84191 02367 27482 88121
41467 21189 95736 73702 61200 17267 54004

10465/9165/8065 kHz, 12-01, 1600/1620/1640 UTC
09782 00001 00000 35671

11493/13393/13993 kHz, 13-01, 0800/0820/0840 UTC

02517 00001 00000 37253

13384/12184/10984 kHz, 13-01/14-01, 1100/1120/1140 UTC. 13-01, 1140 UTC. Stopped after 30 seconds

03734 00195 55965 16568 80114 70235 36894 58721 63704 37435
99608 03028 85378 73746 24192 67194 78823 34229 72880 06203
03242 91280 73256 65293 83116 53837 41571 53288 62703 25234
43667 16826 40435 20346 28829 06089 67779 07176 31500 96392
76610 60152 44611 11886 03450 04908 33323 95372 07719 33739
17262 62796 72338 93240 43548 15112 22318 58348 19593 71010
41626 69173 87307 54796 49621 24763 18720 71160 68933 20033
22249 41297 29233 03531 03942 84303 40784 45938 26898 24567
55131 58696 25598 35470 44280 64252 42104 82204 06356 58039
39662 96745 87862 41114 85516 40287 15346 62880 33614 72738
16726 98927 66183 57052 14752 30173 46865 76291 88465 49291
04214 52397 33448 03910 70432 66514 88204 10409 51784 33083
85600 90179 28383 67004 94031 69898 71725 78867 45862 22416
23847 65340 24362 50867 81401 84721 50613 46309 64753 15617
87188 74120 08483 37208 48439 94856 96629 10180 44551 79616
86091 74470 76243 20529 57568 25133 94586 09863 69306 90706
26802 97890 94604 29440 64441 15465 19987 46172 31158 03632
95778 58848 87130 68254 00417 86834 23097 44999 48074 97769
26288 16575 78677 48502 88500 55378 09597 40908 67861 68746
35828 26109 14116 58321 06383 03278 17341 63462

10726/11426/12226 kHz, 13-01/15-01, 1200/1220/1240 UTC

07424 00180 37389 70396 50833 55977 50644 68968 17513 32559
81125 75438 04804 16028 10245 48103 18279 09290 50326 88260
06838 10468 40900 37079 45385 90648 42994 96703 99283 82505
78710 40351 79374 90678 31694 18808 52019 59820 85048 97281
78536 29918 89858 97449 65369 92605 55457 45970 27285 51978
44534 68448 09296 21042 65911 45291 13518 51575 99417 76745
82941 54188 63317 60675 00219 24256 88554 18646 42151 30058
14913 72189 73478 10059 93636 30384 20673 68297 42841 66132
79382 43245 07061 15822 32180 07174 75069 97351 62905 89029
66652 47741 53183 99310 52092 06361 54470 63333 12296 75337
75730 53441 98106 44632 87229 98342 34716 64180 59606 42255
69344 10313 97876 75660 87464 72340 09175 42524 04046 01526
68579 96966 02561 49824 47592 35340 33176 38212 80599 59178
77721 01771 69338 94868 83758 43386 69228 12265 85152 93267
97355 68861 52829 90913 93541 25957 65509 50957 04204 01192
67595 44943 16291 34706 72409 39905 93511 73695 03504 85964
32902 88441 20566 44393 95283 15849 32230 06503 08878 65950
38483 71623 92574 66151 83653 15548 42048 25632 03283 62450
21093 34974 35300

14794/13994/12194 kHz, 14-01/16-01/21-01/23-01, 0910/0930/0950 UTC

00439 00154 57268 24557 35492 74310 76928 00342 54467 96176
69489 94299 44217 63809 37606 52925 35282 45025 23315 59236
01889 73437 79930 62288 16458 85932 13227 83094 33271 24768
57112 03050 77600 32899 81888 37938 48826 67982 59268 03469
14775 11497 51849 57860 90960 91152 65688 51468 07330 88890
88818 44617 04420 28614 35894 50444 08970 29947 58111 79189
67817 79911 73890 73444 01591 02392 17775 13511 22013 99070
02294 66408 41100 79266 85236 88039 73190 79788 84919 88008
78368 77357 88833 12344 12662 20273 99066 33563 60824 37433
56683 41833 31301 38682 00000 69661 22578 25502 92662 63793
04704 02228 80689 70552 93588 69110 07119 16420 95182 78220
25575 66611 11453 58669 42916 15731 09796 19778 64151 71729
20113 84277 01222 19628 50771 11671 66666 94233 61471 03372
16177 79220 61444 88466 84072 82734 64445 24135 03669 95433
81165 55106 27513 11839 68061 71544 95286 46741 01337 88844
44770 33908 46873 29156 45484 00076 35155

10465/9165/8065 kHz, 14-01, 1600/1620/1640 UTC

01123 00001 00000 33253

10231/9331/8131 kHz, 15-01, 1100/1120/1140 UTC

05907 00001 00000 41255

9317/8117/7517 kHz, 16-01, 1600/1620/1640 UTC

03391 00001 00000 33265

11493/13393/13993 kHz, 18-01/20-01/27-01, 0800/0820/0840 UTC

00347 00126 66137 42378 28861 22111 43825 51222 87894 96170
32302 28551 39964 81640 11707 02084 08410 61284 19506 65807
26348 54835 71396 53283 44401 23797 77417 98137 59679 13978
84424 38942 65068 47952 34843 26292 48788 73862 86356 60275
91499 43873 88731 69773 66060 98841 15362 00649 65278 11555
18415 58174 69004 46412 77120 97021 44355 56486 12350 33000
34271 36732 47391 72046 12497 85907 71397 77856 96319 60940
45622 07780 11586 69655 67483 43409 54930 71493 20076 05384
98930 98758 88897 27955 60546 84014 42945 62678 44777 92698
68613 18483 67759 43463 64340 29317 85458 31167 71576 89225
32881 82527 52042 71687 07294 74440 75236 99331 69762 37603
13053 51119 44622 13088 41522 44591 92861 77285 69697 37168
77930 06069 72053 78302 30708 87981 12236 56717 01375

14977/13971/13371 kHz, 18-01/20-01, 0910/0930/0950 UTC

00205 00154 79063 32800 82869 04380 70991 81717 59846 48924
02665 72651 12963 69720 82559 81359 63541 41963 41614 36910
87524 71144 14238 80259 17293 26630 37930 79503 23761 57276
61220 52293 44672 85808 36290 94056 05095 44970 10984 49482
15325 92371 99354 96481 68541 63086 09416 69408 42947 06116
64693 09324 78024 10128 47390 75770 93443 58998 94197 76108
05440 48634 50089 72812 95094 99679 23362 62602 42924 06255
66896 32368 22468 54020 17704 67150 59976 54070 86090 02488
02344 77755 62457 55039 30510 50736 44262 73917 17443 77932
88074 94237 36069 29790 53143 83615 62188 59653 93935 10436
02295 37092 52293 54653 75164 30480 73664 15858 38582 15673
88903 64236 07459 18624 20702 83978 05662 64546 07474 94258
76338 51149 37006 29621 52398 57427 31881 89252 84441 20392
61273 96738 73197 58553 59988 39550 17447 90890 30214 26727
43665 78176 18281 44248 49800 98540 82270 73611 45876 52168
01150 24541 22398 69795 40962 08553 10224

9317/8117/7517 kHz, 18-01/23-01, 1600/1620/1640 UTC

00251 00156 21167 33285 17453 23745 21887 29385 78595 47273
01019 78351 38805 05974 00583 38494 82538 53737 84409 80994
49958 85170 49742 47746 49648 56815 47920 94162 80846 04546
85539 16655 83227 32836 46454 53637 78226 79484 99390 41100
69120 11953 89390 11149 57683 37172 06138 59889 22801 89253
31969 67854 39310 01641 55308 50853 76319 73722 77654 43214
96878 84752 36286 21531 98819 19776 44933 06636 13080 10180
33435 43270 94144 28110 85548 64916 42928 54607 70996 98656
45841 38784 93095 86876 35484 47100 59428 97388 77359 07668
81205 65906 28142 77498 39232 72061 54887 54079 00815 52673
96755 56806 40441 81134 14966 64615 46777 03537 18577 33064
97539 05787 89093 58106 88851 51654 25048 77782 90460 11920
79486 37817 46529 00905 99031 73515 28368 95373 21397 74562
81614 34699 22922 68746 27416 49450 16015 49564 47929 72811
74938 15970 82149 79748 93330 98346 62282 69895 96624 49044
24002 00778 26682 06837 49907 51582 84669 14126 60177

10231/9331/8131 kHz, 19-01, 1100/1120/1140 UTC

03935 00001 00000 40256

10921/12221/13521 kHz, 19-01/25-01, 1200/1220/1240 UTC

00192 00220 83237 02412 09600 19382 65037 39585 21828 17445
59033 06614 43445 16429 61907 24404 79290 53893 70302 26750
31531 66877 03914 26837 31517 81320 75078 83203 19271 90467
72435 45281 23315 37359 17352 14492 42303 62659 91943 51386
50543 68005 21230 92758 76346 45873 99807 04037 33056 92603
05774 77060 08793 88506 70242 34375 74153 57043 24852 63317
58210 33517 53345 76363 01391 57256 18466 35816 49683 45846
15434 38665 22949 53644 27917 54728 99195 13754 39367 50932
99121 10521 71527 19229 33592 29424 77170 54645 91858 75551
20347 90920 84075 77045 53478 60728 87804 20451 04127 03991
87306 49996 85871 39770 17050 33695 82655 70853 45054 40306
55598 95528 32212 79758 88502 20000 59370 69108 58746 95886
17552 40695 53770 74273 21211 80340 88208 84177 05648 33266
79607 79557 87121 91669 18687 47976 48606 81979 36977 00389
03274 26443 05038 83176 58349 66040 02933 14528 53068 89463
73535 74229 59569 59448 15697 89102 35655 90253 17776 46487
33043 96571 22726 23731 48582 31886 39762 75041 70090 71758
59317 59903 45727 20739 32990 92969 57726 59678 21371 21353
39348 62147 78470 27065 08311 35802 09267 47846 61912 04778
43933 54620 98343 51676 36579 96117 30187 08758 59575 35269
30230 14045 72057 18738 69112 64888 30102 82192 06964 10942
92529 47808 30619 55323 45706 15741 11341 72890 50771 85054
53772 90958 57613

10465/9165/8065 kHz, 19-01/21-01, 1600/1620/1640 UTC

00518 00125 43798 23199 09277 45753 31029 17410 44203 88213
41313 28075 05273 83784 19511 26859 07850 32138 29009 57071
16023 92716 46522 02312 39400 71812 78338 44189 09204 83260
06848 28131 04451 99367 35957 93200 64904 81062 88155 25459
65229 40694 92894 14939 48671 70218 98977 96951 66587 91010
20042 80301 26345 65141 04118 66321 56772 37473 32790 54137
85587 09998 13324 62599 96885 73705 90662 64508 77018 16947
14207 44112 80664 30919 31651 79184 25399 48998 78226 53011
47057 23589 00053 45638 47852 57047 72347 49845 30574 47785
24458 76047 03918 81388 13802 00395 24424 36703 69109 78305
73371 37257 43612 09916 05699 62021 33981 01465 43087 55600
15832 58636 91568 25944 27590 66166 21331 33124 59503 56711
17608 71100 38738 87963 21672 97353 49812 24470

13384/12184/10984 kHz, 20-01, 1100/1120/1140 UTC

05436 00001 00000 36260

10726/11426/12226 kHz, 20-01/22-01, 1200/1220/1240 UTC

09823 00220 27442 18130 20600 51981 48555 40342 60692 79675
47627 30644 69008 55179 16451 98400 95650 97103 40381 31055
71956 47999 63685 73415 93444 91831 96863 41924 31272 04855
87046 76287 21801 00015 82849 45178 53601 03487 15085 89175
38138 70975 44325 93901 32901 04231 47482 19886 69388 67028
03529 14351 56551 31866 39664 88436 69271 54239 14812 56196
17080 20678 97424 09307 03942 53212 49505 23548 08899 78738
65674 42471 59903 03915 21127 81902 98945 30366 26373 07979
14489 13836 40890 07239 57636 33638 12702 51616 57617 40199
67855 34270 76753 27569 09487 05920 35116 71585 61286 37482
02906 51847 06716 92894 11096 10582 80093 39358 52337 40563
05410 46948 15030 62039 96603 37540 58793 74963 23160 30766
73146 85979 13503 17261 76683 78194 62381 89814 06277 10338
38757 06519 09019 01427 83029 01949 48233 53070 21366 83757
24024 40192 62209 40923 23846 70264 47479 65034 58680 86700
37398 32799 18595 45149 81907 81988 52511 75398 07842 66028
54215 13072 47901 16357 55018 92985 16320 62742 59745 57474
37987 82837 18249 91421 31587 55668 50110 58617 57627 74865
01869 55558 78066 71835 71691 03268 88123 49236 32588 32432
37330 52870 61785 23293 33390 54412 79729 61101 54266 89613
86439 80756 72635 42287 86844 53107 03016 93556 63501 16874
53497 21820 78981 48503 07243 58656 86184 29961 25748 51970
97536 00697 60237

13384/12184/10984 kHz, 21-01, 1100/1120/1140 UTC

02342 00001 00000 33656

10231/9331/8131 kHz, 22-01, 1100/1120/1140 UTC

06129 00001 00000 36260

11493/13393/13993 kHz, 25-01, 0800/0820/0840 UTC

00347 00126 66137 42378 28861 22111 43825 51222 87894 96170
32302 28551 39964 81640 11707 02084 08410 61284 19506 65807
26348 54835 71396 53283 44401 23797 77417 98137 59679 13978
84424 38942 65068 47952 34843 26292 48788 73862 86356 60275
91499 43873 88731 69773 66060 98841 15362 00649 65278 11555
18415 58174 69004 46412 77120 97021 44355 56486 12350 33000
34271 36732 47391 72046 12497 85907 71397 77856 96319 60940
45622 07780 11586 69655 67483 43409 54930 71493 20076 05384
98930 98758 88897 27955 60546 84014 42945 62678 44777 92698
68613 18483 67759 43463 64340 29317 85458 31167 71576 89225
32881 82527 52042 71687 07294 74440 75236 99331 69762 37603
13053 51119 44622 13088 41522 33591 92861 77285 69697 37168
77930 06069 72053 78302 30708 87981 12236 56717 01375

14977/13971/13371 kHz, 25-01, 0910/0930/0950 UTC

04316 00001 00000 36256

9317/8117/7517 kHz, 25-01, 1600/1620/1640 UTC

02588 00001 00000 36662

10231/9331/8131 kHz, 26-01/29-01, 1100/1120/1140 UTC

05490 00161 45678 46493 41403 44612 61702 85567 30270 92068
79690 67623 60524 94939 50308 91321 22861 82189 93935 89177
19769 82179 70526 54436 23196 13921 03672 07388 53829 23267
38446 37418 22771 73267 36401 24229 16700 76182 78999 55588
68347 88348 73507 45158 90606 18523 29513 26626 77727 39038
61531 32125 16454 19663 79850 73204 35966 95882 61379 70999
59611 87048 47076 12865 27664 73532 18841 28550 03570 32981
16153 16992 86251 03975 13888 87323 55430 00657 43687 24564
60779 40967 21007 62342 63420 68676 46363 04316 28622 20516
62927 48805 21673 94022 82866 18852 11083 14094 99495 52893
64711 10068 30929 52738 23683 35103 23777 70195 33313 24576
69569 68606 88877 55183 94750 15592 87675 59182 39883 68261
26415 90441 68797 24752 44542 66115 02008 90032 49885 52059
33989 89049 85467 74213 58761 48214 34196 18119 49440 84636
62370 84473 83483 46663 03890 95835 19552 72990 88235 00769
47255 87640 97640 03362 96337 22911 92127 95478 24244 57027
50999 35029 02921 22750

10921/12221/13521 kHz, 26-01/31-01, 1200/1220/1240 UTC

06301 00198 37678 37126 64218 30616 59433 57665 97702 87890
19581 87429 14386 20127 87277 29816 49231 48225 25629 68375
58100 17661 38711 46176 37469 14884 94841 67464 99007 28716
18538 48413 01800 56164 35054 71115 63099 71522 58013 30904
39133 86310 60348 87541 95009 51404 95706 47497 22530 24748
96623 89155 01379 22271 45906 22094 71056 15153 08369 92351
67611 10872 07600 42557 08838 82077 28828 39350 20870 43366
19123 80631 90633 94663 40954 78023 43273 28766 70313 75455
00549 97567 13970 58086 71275 43236 98384 70929 09867 43987
63623 73543 87332 48061 12257 94811 10929 29985 22496 73919
64824 96121 63188 50725 92979 18886 57447 32546 09177 08055
43607 71232 73001 33588 09733 42687 48876 34648 80109 50276
75033 97209 43173 26721 31833 65305 35216 55218 79306 62751
67758 68006 65696 08473 05634 65921 20379 46768 16313 84028
92230 49042 09087 60650 71740 50220 55538 06454 91418 83177
03544 75194 35030 53890 10204 68165 17912 83193 32297 58943
60314 30624 80133 32800 77356 51938 21763 03494 73530 17716
36111 97461 88863 94900 39771 66492 39043 67203 13394 43527
06250 81329 49342 90350 30663 48189 90650 89066 98874 18956
51421 37965 15713 34882 04572 15029 57882 91203 87244 07122
26701

10465/9165/8065 kHz, 26-01, 1600/1620/1640 UTC

09412 00001 00000 34262

14977/13971/13371 kHz, 27-01, 0910/0930/0950 UTC

02918 00001 00000 41653

13384/12184/10984 kHz, 27-01/28-01, 1100/1120/1140 UTC

07984 00195 07506 78188 24126 05603 79698 34018 61470 40550
80556 65275 07722 89143 41704 35709 63199 82173 01362 94303
11542 33801 68796 17914 05068 66209 62688 12102 64339 05747
69835 48999 87658 62698 33978 00975 46540 21644 25535 61515
53178 86993 26346 10984 70674 37006 68593 19242 93911 85797
45686 24732 82112 26133 71321 30263 33737 05698 90744 64439
64863 28404 12399 04614 87681 62675 09644 75545 00104 54376
72238 45887 45452 15139 30888 34771 60750 68659 69815 38478
75546 63980 79916 53072 05043 10952 30572 76227 73228 61930
52039 65143 63975 86398 04116 87964 31214 57696 49805 10118
07356 50479 07524 71920 51535 83773 03494 16669 89880 26308
38798 63542 44154 81733 59147 49442 36763 15748 15089 55193
45354 68977 55344 23961 03978 60984 97476 61344 71526 97187
22718 19616 65250 44970 54653 35612 28176 27486 33655 08836
73160 73872 35927 60660 19933 60410 88032 53364 50722 70556
67075 81224 98010 00095 95705 71544 89272 70340 20893 57568
38823 78677 49801 57569 98278 21135 66788 81537 86696 96402
42597 69962 52813 00245 71226 47221 22418 22502 88590 06056
10694 56523 78710 03242 28668 19747 48963 75807 86903 37286
66078 33764 15426 81767 34399 01930 14448 07571

10726/11426/12226 kHz, 27-01/29-01, 1200/1220/1240 UTC

07696 00152 25454 47810 81524 95730 88433 61510 96143 82248
95378 77317 05041 41282 13171 40665 89008 38095 92940 20259
25276 90825 59599 51666 87566 19495 16803 31068 39637 62963
35497 29785 73419 81787 81872 33812 79453 65713 54040 79120
97754 46120 05193 55882 72594 81075 33434 89870 16009 85826
79064 54125 66191 72588 03071 53845 19261 39755 90561 03407
08270 94076 12742 68048 20466 92988 54885 15454 97275 25661
12785 43136 80976 17905 60802 41139 19892 95216 31063 69700
30524 99919 07365 69037 54059 76463 63667 75504 42020 37763
05172 58531 17473 56649 25536 80781 70805 32509 72760 79666
72570 04013 38242 90830 13802 89207 10263 66787 58404 49397
89788 82889 29372 53460 24566 19677 37855 79373 66418 46139
44082 59890 39589 06779 93400 32350 68612 49860 01147 62788
58147 23618 07687 14257 03597 68529 79298 93113 56904 89933
18377 59000 87001 87864 79952 13849 61479 61975 58678 20871
69196 29589 37543 60591 14360

14794/13994/12194 kHz, 28-01, 0910/0930/0950 UTC

08917 00001 00000 41261

10465/9165/8065 kHz, 28-01, 1600/1620/1640 UTC

09104 00001 00000 33661

14794/13994/12194 kHz, 30-01, 0910/0930/0950 UTC

09554 00001 00000 35666

9317/8117/7517 kHz, 30-01, 1600/1620/1640 UTC

02575 00001 00000 36261

XPB1

14769 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1100 UTC
14369 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1110 UTC
13969 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1120 UTC
13369 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1130 UTC
12169 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1140 UTC
11169 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 1150 UTC

7771 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2000 UTC
7471 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2010 UTC
6771 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2020 UTC
5771 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2030 UTC
5171 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2040 UTC
4771 kHz, 03-01/05-01/10-01/12-01/17-01/19-01/24-01, 2050 UTC

12187 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0600 UTC
13387 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0610 UTC
13887 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0620 UTC
14487 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0630 UTC
14987 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0640 UTC
15887 kHz, 04-01/05-01/11-01/12-01/18-01/19-01/25-01/26-01, 0650 UTC

DIPLOMATIC STATIONS

Egyptian diplomatic stations

11112.7 kHz, 30-01, 0855 UTC, SITOR-A 100/170

71: MFA Cairo, 1258 groups message to Egyptian embassy Berlin

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian-Ukrainian radio war

7050 kHz, 01-01, 1116 UTC, LSB	Several stations active. Anti Russia yelling
7055 kHz, 06-01, 1041 UTC, LSB	Music, excerpts from radio programs. Several stations on top of each other.
7055 kHz, 07-01, 1215 UTC, LSB	Various stations on top of each other
7055 kHz, 08-01, 0921 UTC, LSB	Music (Hammer time), anti Russia broadcast
7055 kHz, 13-01, 1058 UTC, LSB	Music, excerpts from radio programs. Several stations on top of each other.
7055 kHz, 25-01, 0921 UTC, LSB	Message: "This frequency is used by a group of old Putin's pederasts" etc. etc.
7060 kHz, 16-01, 1000 UTC, LSB	Russian-Ukrainian radio war
7055 kHz, 16-01, 1023 UTC, LSB	Loop transmission
7050 kHz, 20-01, 1103 UTC, LSB	Excerpts from radio programs. looped transmission
7055 kHz, 21-01, 1455 UTC, LSB	Anti Russia propaganda
7055 kHz, 28-01, 1313 UTC, LSB	Music and anti Russia propaganda
7055 kHz, 29-01, 0800 UTC, LSB	Several stations on top of each other. Distorted voice loops, excerpts from radio program. Anti Russian propagamda

Target: Eritrea

9720 kHz, 04-01, 1730 UTC, AM

[Dimtse Radio Erena](#). Program in Arabic targeted to Eritrea



Target: North Korean

7625 kHz, 11-01, 1444 UTC, AM

[Voice of the Wilderness](#). Program in Korean targeted at North Korea. S/off 1500 UTC



Target: Turkey

9525 kHz, 04-01, 1713 UTC, AM
9525 kHz, 04-01, 1713 UTC, AM
11450 kHz, 05-01, 1440 UTC, AM
11450 kHz, 05-01, 1440 UTC, AM
11450 kHz, 06-01, 0800 UTC, AM
11490 kHz, 06-01, 0800 UTC, AM
11590 kHz, 06-01, 0800 UTC, AM
9525 kHz, 06-01, 1720 UTC, AM
9525 kHz, 06-01, 1720 UTC, AM
9525 kHz, 11-01, 1656 UTC, AM

[Radio Dengé-Welat](#). Program in Kurdish targeted at Turkey
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat
Radio Dengé-Welat. Program in Kurdish targeted at Turkey
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat. Spur of 11450 kHz
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat. Spur of 11450 kHz
Radio Dengé-Welat. Program in Kurdish targeted to Turkey
TRT Radio Recep Erdogan. Jamming Radio Dengé-Welat
Radio Dengé-Welat. Program in Kurdish targeted to Turkey



TRT

7590 kHz, 11-01, 1500 UTC, AM

[North Korea Reform Radio](#).
Program in Korean targeted to North Korea.
S/off 1530 UTC.



7530 kHz, 11-01, 1530 UTC, AM

[Voice of Martyrs](#). Program in Korean targeted to North Korea. sS/off 1600 UTC



Target:

Afghanistan and Pakistan

9355 kHz, 11-01, 1645 UTC, AM
9370 kHz, 11-01, 1645 UTC, AM
7495 kHz, 11-01, 1645 UTC, AM
7530 kHz, 11-01, 1532 UTC, AM

[VoA Deewa Radio](#). Program in Pashto targeted to Pakistan and Afghanistan
VoA Deewa Radio. Program in Pashto targeted to Pakistan and Afghanistan
VoA Deewa Radio. Program in Pashto targeted to Pakistan and Afghanistan
VoA Deewa Radio. Program in Pashto targeted to Pakistan and Afghanistan



9975 kHz, 11-01, 1700 UTC, AM
12140 kHz, 11-01, 1700 UTC, AM

[VoA Radio Ashna](#). Program in Pashto targeted to Afghanistan
VoA Radio Ashna. Program in Pashto targeted to Afghanistan

Target: Cuba

11860 kHz, 11-01, 1710 UTC, AM
11930 kHz, 11-01, 1710 UTC, AM
11930 kHz, 21-01, 1400 UTC, AM

[Radio Martí](#). Program in Spanish targeted to Cuba
Radio Martí. Program in Spanish targeted to Cuba
Radio Martí. Program in Spanish targeted to Cuba



Target: Iran

12005 kHz, 11-01, 1720 UTC, AM

7580 kHz, 11-01, 1720 UTC, AM

5860 kHz, 11-01, 1720 UTC, AM

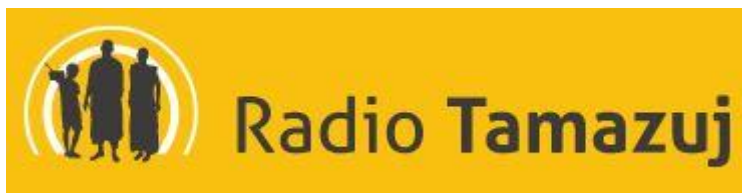
[Radio Farda](#). Program in Persian targeted to Iran

Radio Farda. Program in Persian targeted to Iran

Radio Farda. Program in Persian targeted to Iran

**Target: South Sudan**

15400 kHz, 31-01, 1505 UTC, AM

[Radio Tamazuji](#). Program in Juba Arabic targeted to South Sudan. Talk program. Station id**UTILITY ROUND-UP****PROMRÖ****4735 kHz, 01-01, 0800 UTC**

VVVVV PROMRÖ = 0101 =

1000 0590 0260 0800 1220

1200 0630 0280 0870 1320

1400 0610 0270 0810 1210

1600 0560 0210 0770 1160

1800 0350 0200 0440 0640

2000 0350 0200 0440 0630

2200 0310 0200 0370 0510

0000 0340 0200 0400 0540

0200 0350 0200 0410 0560

0400 0350 0200 0420 0580

0600 0310 0200 0390 0550

0800 0490 0200 0660 0990

= ABV

VVVVV PROMRÖ = 0101 =

1000 0590 0260 0800 1220

1200 0630 0280 0870 1320

1400 0610 0270 0810 1210

1600 0560 0210 0770 1160

1800 0350 0200 0440 0640

2000 0350 0200 0440 0630

2200 0310 0200 0370 0510

0000 0340 0200 0400 0540

0200 0350 0200 0410 0560

0400 0350 0200 0420 0580

0600 0310 0200 0390 0550

0800 0490 0200 0660 0990

= AR

4735 kHz, 04-01, 0800 UTC

VVVVV PROMRÖ = 04 01 =

1000 0570 0260 0790 1200

1200 0620 0280 0850 1300

1400 0590 0270 0800 1200

1600 0550 0210 0760 1150

1800 0350 0200 0440 0640

2000 0350 0200 0430 0620

2200 0310 0200 0370 0510

0000 0330 0200 0400 0540

0200 0340 0200 0400 0550

0400 0340 0200 0410 0570

0600 0300 0320 0380 0540

0800 0480 0200 0650 0970

= ABV =

VVVVV PROMRÖ = 04 01 =

1000 0570 0260 0790 1200

1200 0620 0280 0850 1300

1400 0590 0270 0800 1200

1600 0550 0210 0760 1150

1800 0350 0200 0440 0640

2000 0350 0200 0430 0620

2200 0310 0200 0370 0510

0000 0330 0200 0400 0540

0200 0340 0200 0400 0550

0400 0340 0200 0410 0570

0600 0300 0320 0380 0540

0800 0480 0200 0650 0970

= AR

4735 kHz, 05-01, 0802 UTC

VVVVV PROMRÖ = 05 01 =

1000 0600 0250 0810 1220

1200 0640 0270 0870 1310

1400 0610 0260 0810 1220

1600 0560 0200 0770 1160

1800 0360 0200 0450 0650

2000 0360 0200 0440 0630

2200 0320 0200 0380 0520

2400 0340 0200 0400 0550

0200 0350 0200 0410 0550

0400 0350 0200 0420 0570

0600 0310 0200 0380 0530

0800 0480 0200 0650 0980

= ABV

VVVVV PROMRÖ = 05 01 =

1000 0600 0250 0810 1220

1200 0640 0270 0870 1310

1400 0610 0260 0810 1220

1600 0560 0200 0770 1160

1800 0360 0200 0450 0650

2000 0360 0200 0440 0630

2200 0320 0200 0380 0520

2400 0340 0200 0400 0550

0200 0350 0200 0410 0550

0400 0350 0200 0420 0570

0600 0310 0200 0380 0530

0800 0480 0200 0650 0980

= AR

4735 kHz, 06-01, 0804 UTC

VVVVV PROMRÖ = 06 01 =

1000 0600 0650 0810 1220

1200 0640 0690 0870 1320

1400 0510 0660 0810 1220

1600 0560 0620 0770 1160

1800 0360 0380 0450 0650

2000 0360 0370 0440 0630

2200 0360 0370 0380 0520

2400 0340 0350 0400 0540

0200 0350 0360 0410 0560

0400 0350 0360 0410 0570

0600 0310 0320 0380 0540

0800 0480 0520 0650 0980

= ABV =

VVVVV PROMRÖ = 06 01 =

1000 0600 0650 0810 1220

1200 0640 0690 0870 1320

1400 0510 0660 0810 1220

1600 0560 0620 0770 1160

1800 0360 0380 0450 0650

2000 0360 0370 0440 0630

2200 0360 0370 0380 0520

2400 0340 0350 0400 0540

0200 0350 0360 0410 0560

0400 0350 0360 0410 0570

0600 0310 0320 0380 0540

0800 0480

= AR

4735 kHz, 07-01, 0805 UTC

VVVVV PROMRÖ = 0701 =
 1000 0610 0660 0820 1230
 1200 0640 0700 0870 1320
 1400 0620 0660 0810 1220
 1600 0560 0620 0770 1170
 1800 0360 0380 0460 0660
 2000 0360 0380 0440 0630
 2200 0320 0330 0380 0530
 0000 0350 0350 0400 0550
 0200 0350 0360 0410 0560
 0400 0350 0360 0420 0580
 0600 0310 0320 0380 0540
 0800 0480 0520 0650 0970
 = ABV

VVVVV PROMRÖ = 0701 =
 1000 0610 0660 0820 1230
 1200 0640 0700 0870 1320
 1400 0620 0660 0810 1220
 1600 0560 0620 0770 1170
 1800 0360 0380 0460 0660
 2000 0360 0380 0440 0630
 2200 0320 0330 0380 0530
 0000 0350 0350 0400 0550
 0200 0350 0360 0410 0560
 0400 0350 0360 0420 0580
 0600 0310 0320 0380 0540
 0800 0480 0520 0650 0970
 = AR

4735 kHz, 19-01, 0803 UTC

VVVVV PROMRÖ = 1901 =
 1000 0570 0630 0780 1180
 1200 0600 0650 0800 1260
 1400 0550 0600 0760 1160
 1600 0520 0570 0720 1100
 1800 0340 0360 0440 0640
 2000 0320 0340 0400 0580
 2200 0310 0320 0370 0510
 0000 0330 0330 0400 0540
 0200 0330 0350 0390 0540
 0400 0310 0330 0380 0530
 0600 0270 0290 0340 0480
 0800 0440 0480 0600 0900
 = ABV

VVVVV PROMRÖ = 1901 =
 1000 0570 0630 0780 1180
 1200 0600 0650 0800 1260
 1400 0550 0600 0760 1160
 1600 0520 0570 0720 1100
 1800 0340 0360 0440 0640
 2000 0320 0340 0400 0580
 2200 0310 0320 0370 0510
 0000 0330 0330 0400 0540
 0200 0330 0350 0390 0540
 0400 0310 0330 0380 0530
 0600 0270 0290 0340 0480
 0800 0440 0480 0600 0900
 = AR

4735 kHz, 12-01, 0801 UTC

VVVVV PROMRÖ = 12 01 =
 1000 0580 0630 0790 1190
 1200 0610 0670 0840 1280
 1400 0570 0620 0770 1170
 1600 0530 0580 0730 1120
 1800 0330 0350 0430 0620
 2000 0330 0350 0410 0590
 2200 0310 0320 0370 0510
 2400 0330 0340 0390 0540
 0200 0330 0340 0400 0540
 0400 0330 0340 0390 0550
 0600 0280 0300 0350 0500
 0800 0450 0490 0610 0930
 = ABV =

VVVVV PROMRÖ = 12 01 =
 1000 0580 0630 0790 1190
 1200 0610 0670 0840 1280
 1400 0570 0620 0770 1170
 1600 0530 0580 0730 1120
 1800 0330 0350 0430 0620
 2000 0330 0350 0410 0590
 2200 0310 0320 0370 0510
 2400 0330 0340 0390 0540
 0200 0330 0340 0400 0540
 0400 0330 0340 0390 0550
 0600 0280 0300 0350 0500
 0800 0450 0490 0610 0930
 = AR

4735 kHz, 21-01, 0800 UTC

VVVVV PROMRÖ = 2101 =
 1000 0580 0630 0790 1190
 1200 0600 0660 0830 1260
 1400 0550 0600 0760 1160
 1600 0520 0570 0720 1100
 1800 0360 0380 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0520
 2400 0340 0350 0400 0550
 0200 0330 0340 0390 0540
 0400 0310 0330 0380 0530
 0600 0280 0290 0340 0490
 0800 0440 0480 0600 0900
 = ABV

VVVVV PROMRÖ = 2101 =
 1000 0580 0630 0790 1190
 1200 0600 0660 0830 1260
 1400 0550 0600 0760 1160
 1600 0520 0570 0720 1100
 1800 0360 0380 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0520
 2400 0340 0350 0400 0550
 0200 0330 0340 0390 0540
 0400 0310 0330 0380 0530
 0600 0280 0290 0340 0490
 0800 0440 0480 0600 0900
 = AR

4735 kHz, 14-01, 0805 UTC

VVV VVV PROMRÖ = 14 01 =
 1000 0580 0630 0780 1190
 1200 0600 0660 0830 1270
 1400 0560 0610 0770 1160
 1600 0520 0570 0720 1100
 1800 0330 0350 0420 0620
 2000 0320 0340 0400 0580
 2200 0310 0310 0370 0510
 0000 0330 0340 0390 0540
 0200 0330 0340 0390 0540
 0400 0320 0340 0390 0540
 0600 0270 0290 0340 0490
 0800 0440 0480 0600 0910
 = ABV

VVV VVV PROMRÖ = 14 01 =
 1000 0580 0630 0780 1190
 1200 0600 0660 0830 1270
 1400 0560 0610 0770 1160
 1600 0520 0570 0720 1100
 1800 0330 0350 0420 0620
 2000 0320 0340 0400 0580
 2200 0310 0310 0370 0510
 0000 0330 0340 0390 0540
 0200 0330 0340 0390 0540
 0400 0320 0340 0390 0540
 0600 0270 0290 0340 0490
 0800 0440 0480 0600 0910
 = AR

4735 kHz, 24-01, 0800 UTC

VVVVV PROMRÖ = 2401 =
 1000 0580 0630 0780 1180
 1200 0600 0650 0830 1260
 1400 0550 0600 0760 1150
 1600 0520 0580 0730 1110
 1800 0360 0390 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0520
 0000 0340 0350 0400 0550
 0200 0330 0340 0400 0540
 0400 0320 0330 0380 0530
 0600 0280 0300 0350 0490
 0800 0440 0480 0600 0900
 = ABV

VVVVV PROMRÖ = 2401 =
 1000 0580 0630 0780 1180
 1200 0600 0650 0830 1260
 1400 0550 0600 0760 1150
 1600 0520 0580 0730 1110
 1800 0360 0390 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0520
 0000 0340 0350 0400 0550
 0200 0330 0340 0400 0540
 0400 0320 0330 0380 0530
 0600 0280 0300 0350 0490
 0800 0440 0480 0600 0900
 = AR

4735 kHz, 25-01, 0800 UTC

VVVVV PROMRÖ = 15 01 =
 1000 0570 0620 0780 1180
 1200 0600 0650 0830 1260
 1400 0510 0560 0610 0760
 1600 0510 0560 0710 1090
 1800 0330 0350 0420 0620
 2000 0320 0330 0400 0580
 2200 0300 0310 0370 0510
 2400 0330 0340 0390 0540
 0200 0320 0340 0390 0530
 0400 0310 0330 0380 0530
 0600 0270 0280 0330 0480
 0800 0440 0470 0590 0900
 = ABV

VVVVV PROMRÖ = 15 01 =
 1000 0570 0620 0780 1180
 1200 0600 0650 0830 1260
 1400 0510 0560 0610 0760
 1600 0510 0560 0710 1090
 1800 0330 0350 0420 0620
 2000 0320 0330 0400 0580
 2200 0300 0310 0370 0510
 2400 0330 0340 0390 0540
 0200 0320 0340 0390 0530
 0400 0310 0330 0380 0530
 0600 0270 0280 0330 0480
 0800 0440 0470 0590 0900
 = AR

4735 kHz, 25-01, 0800 UTC

VVVVV PROMRÖ = 25 01 =
 1000 0580 0630 0780 1180
 1200 0600 0650 0830 1260
 1400 0550 0600 0750 1150
 1600 0520 0570 0720 1110
 1800 0360 0380 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0510
 2400 0340 0350 0400 0550
 0200 0330 0340 0390 0540
 0400 0320 0330 0380 0530
 0600 0280 0290 0340 0490
 0800 0440 0480 0600 0900
 = ABV

VVVVV PROMRÖ = 25 01 =
 1000 0580 0630 0780 1180
 1200 0600 0650 0830 1260
 1400 0550 0600 0750 1150
 1600 0520 0570 0720 1110
 1800 0360 0380 0460 0670
 2000 0320 0340 0410 0590
 2200 0310 0320 0370 0510
 2400 0340 0350 0400 0550
 0200 0330 0340 0390 0540
 0400 0320 0330 0380 0530
 0600 0280 0290 0340 0490
 0800 0440 0480 0600 0900
 = AR

4735 kHz, 26-01, 0800 UTC
VVV VVV PROMRÖ = 26 01 =
1000 0580 0630 0780 1180
1200 0600 0660 0830 1260
1400 0550 0600 0750 1150
1600 0520 0580 0730 1110
1800 0360 0380 0460 0670
2000 0320 0340 0400 0580
2200 0310 0320 0370 0510
0000 0340 0350 0400 0550
0200 0330 0340 0390 0540
0400 0320 0330 0380 0530
0600 0270 0290 0340 0480
0800 0440 0480 0600 0900
= ABV
VVV VVV PROMRÖ = 26 01 =
1000 0580 0630 0780 1180
1200 0600 0660 0830 1260
1400 0550 0600 0750 1150
1600 0520 0580 0730 1110
1800 0360 0380 0460 0670
2000 0320 0340 0400 0580
2200 0310 0320 0370 0510
0000 0340 0350 0400 0550
0200 0330 0340 0390 0540
0400 0320 0330 0380 0530
0600 0270 0290 0340 0480
0800 0440 0480 0600 0900
= AR

4375 kHz, 27-01, 0800 UTC
VVVVV PROMRÖ = 2701 =
1000 0570 0620 0780 1170
1200 0600 0660 0830 1260
1400 0550 0600 0760 1150
1600 0520 0570 0730 1100
1800 0360 0380 0460 0670
2000 0320 0340 0400 0570
2200 0310 0320 0370 0500
2400 0340 0350 0400 0540
0200 0330 0340 0390 0540
0400 0310 0330 0380 0520
0600 0270 0290 0340 0480
0800 0440 0480 0600 0900
= ABV
VVVVV PROMRÖ = 2701 =
1000 0570 0620 0780 1170
1200 0600 0660 0830 1260
1400 0550 0600 0760 1150
1600 0520 0570 0730 1100
1800 0360 0380 0460 0670
2000 0320 0340 0400 0570
2200 0310 0320 0370 0500
2400 0340 0350 0400 0540
0200 0330 0340 0390 0540
0400 0310 0330 0380 0520
0600 0270 0290 0340 0480
0800 0440 0480 0600 0900
= AR

4735 kHz, 28-01, 0800 UTC.
Errors in red
VVVVV PROMRÖ = 28 01 =
1000 0570 0620 0780 1180
1200 0610 0660 0830 1270
1400 0550 0600 0760 1150
1600 0530 0580 0730 1120
1800 0360 0380 0460 0670
2000 0320 0340 4000 0580
2200 0310 0320 0370 0510
2400 0340 0350 **0400X0540**
0200 0330 0340 0390 0540
0200 0330 0340 0390 0540
0400 0310 0320 0370 0520
0600 0260 0280 0330 0480
0800 0440 0480 0600 0900
= ABV =
VVVVV PROMRÖ = 28 01 =
1000 0570 0620 0780 1180
1200 0610 0660 0830 1270
1400 0550 0600 0760 1150
1600 0530 0580 0730 1120
1800 0360 0380 0460 0670
2000 0320 0340 4000 0580
2200 0310 0320 0370 0510
2400 0340 0350 **0400X0540**
0200 0330 0340 0390 0540
0200 0330 0340 0390 0540
0400 0310 0370 0370 0520
0600 0260 0280 0330 0480
0800 0440 0480 0600 0900
= **ABV** = AR

North Korean military

3813 kHz, 01-01, 1217 UTC, Korean military i.p.
VVV 4NX (x2) DE 43G (x2) QRU .. 9403 9403.. 00

5072 kHz, 31-01, 0624 UTC, i.p.
2AC wkg HR8

5072 kHz, 31-01, 0648 UTC
VVV SAC de 6FD QRU SK SK

Unid

13438 kHz, 13-01, 0946 UTC, USB. Bugle loop transmission
<http://www.numbersoddities.nl/Bugle-loop-2021-01-13-0946utc-13438kHz.mp3>

13461 kHz, 14-01, 0944 UTC, USB Bugle loop transmission
<http://www.numbersoddities.nl/Bugle-loop-2021-01-14-0944utc-13461khz.mp3>

Both copied by RL. If you have any further information, please let us know.



EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Message
01-01	0330	Musketeer	30 chr EAM G7UQUK B2P3YBBBZL3OKLVD7WZ5Q3CD
01-01	0334	Musketeer	30 chr EAM G7DN7B PY2BIPJRNPE7YO7QGWRQJ6SL
01-01	0348	Musketeer	30 chr EAM G7XIB4 NEHGLQHI4IXFFE6M55GVYTWU
01-01	0400	Musketeer	30 chr EAM G7XIB4 NEHGLQHI4IXFFE6M55GVYTWU
01-01	0402	Musketeer	30 chr EAM G7DN7B PY2BIPJRNPE7YO7QGWRQJ6SL
01-01	0406	Musketeer	30 chr EAM G7XIB4 NEHGLQHI4IXFFE6M55GVYTWU
01-01	0408	Musketeer	30 chr EAM G7DN7B PY2BIPJRNPE7YO7QGWRQJ6SL
01-01	0410	Musketeer	30 chr EAM G7UQUK B2P3YBBBZL3OKLVD7WZ5Q3CD
01-01	0422	Musketeer	30 chr EAM G7P4AE AJHX4NDQF3ZGDGRVVLUFMQX7
01-01	0425	Musketeer	30 chr EAM G7ERJT MJQCEABZMYRLM6BS2LZOPYQA
01-01	0430	Musketeer	30 chr EAM G7ERJT MJQCEABZMYRLM6BS2LZOPYQA
01-01	0432	Musketeer	30 chr EAM G7P4AE AJHX4NDQF3ZGDGRVVLUFMQX7
01-01	0434	Musketeer	30 chr EAM G7XIB4 NEHGLQHI4IXFFE6M55GVYTWU
01-01	1747	Musketeer	30 chr EAM G73RTE NIGIDPV6K2WX3S52I6BZHEAF
02-01	1747	Griswold	30 chr EAM G7MBN3 5FAF5O2WZHRX4QX3FZRGCO2T
02-01	1750	Griswold	30 chr EAM G72WOX HHLIHEHW66G46CXLNPP3QBEO
02-01	1757	Griswold	30 chr EAM G7WAJ4 UWQQUWURU4PIS7Z5AYPWEXUAR
02-01	1805	Griswold	30 chr EAM G7D6Z3 62UEOBJJ4TJF2FJPWSD2PCJF
02-01	1807	Griswold	30 chr EAM G7WAJ4 UWQQUWURU4PIS7Z5AYPWEXUAR
02-01	2133	Griswold	30 chr EAM G7HV24 YFWKW37APOBBWI7OSGC6YGAU
02-01	2144	Griswold	30 chr EAM G7BHIH YHVWJUHIQK6AKM4QH2VGBEUH
02-01	2200	Griswold	30 chr EAM G7UTON W374HV7THLDPTLJDMTMRZ3HP
02-01	2202	Griswold	30 chr EAM G7BHIH YHVWJUHIQK6AKM4QH2VGBEUH
02-01	2223	Griswold	30 chr EAM G7JDBL NPPW7ECSUGR6PGKMRDWKOUIQ
02-01	2227	Griswold	30 chr EAM G73DJG PLKLBGTZ7YAM7BTRUDFHCIL
02-01	2230	Griswold	30 chr EAM G72S2O XHXQUOWTIB34CDTTDGG3YEXA
02-01	2234	Griswold	30 chr EAM G73X6L Z3CCDGHJ7MGBUHZZUHG3AZ4
03-01	0601	Desirable	30 chr EAM G7Q3WF A7DSJ7MOAZPUMLDHTK35B4EV
03-01	0629	Desirable	30 chr EAM G7Q3WF A7DSJ7MOAZPUMLDHTK35B4EV
03-01	1746	Desirable	30 chr EAM for Guilt-13 ZPA6SD SCQIPPRIB5WE6HDVWV2ODQAAK
03-01	1816	Desirable	30 chr EAM G7YRDP NECCU7NXT6YUU4IXBR3HOFLI
03-01	2143	Desirable	30 chr EAM G7BR3N MKLJTR5FJYUNBUU2A3D3PXTJ
03-01	2158	Desirable	30 chr EAM G74VSX B5KXZSWXYLWY2ZAXQIZPAC
04-01	1820	Remedial	37 chr EAM ZPCRUT BOE3FMR4I2KOQL6RGZUU3XH6PGQJMR
04-01	2113	Remedial	30 chr EAM G7DSLR 7TSDUODT2T6BHJURY3WTEB7O
04-01	2133	Remedial	30 chr EAM G76G74 6DUZ6IEOBPEWOCOAJHRMIYAX
04-01	2356	Remedial	30 chr EAM G7BP3F ANRH5C2AVBXAF4DP5WHTU5N3
05-01	0002	Bean Soup	30 chr EAM G7BP3F ANRH5C2AVBXAF4DP5WHTU5N3
05-01	0631	Bean Soup	30 chr EAM G7VVN3 KTGCBBZB7I7G7PFYA7YWRKREB
05-01	0635	Bean Soup	30 chr EAM G7VVN3 KTGCBBZB7I7G7PFYA7YWRKREB
05-01	0638	Bean Soup	30 chr EAM G7QE6N 7T2LL4BUVTDTL5A3X7EWXOF
05-01	0641	Bean Soup	30 chr EAM G7BLU2 WUOWF7LTFK6SAI2OVAZXUVH5
05-01	0654	Bean Soup	30 chr EAM G7ZCYF K7DQXJWNGFUZDKNPWZSZ7DFB
05-01	0700	Bean Soup	30 chr EAM G7ZCYF K7DQXJWNGFUZDKNPWZSZ7DFB
05-01	0702	Bean Soup	30 chr EAM G7BLU2 WUOWF7LTFK6SAI2OVAZXUVH5
05-01	0705	Bean Soup	30 chr EAM G7QONK O6ZGQGFDQPD4D6EBOBX2YEQZ
05-01	0708	Bean Soup	30 chr EAM G7QE6N 7T2LL4BUVTATL5A3XCEWXOF
05-01	0718	Bean Soup	30 chr EAM G7R4B6 33UT7Y7NZVXCZZVKM47RXUB3
05-01	0730	Bean Soup	30 chr EAM G7R4B6 33UT7Y7NZVXCZZVKM47RXUB3
05-01	0732	Bean Soup	30 chr EAM G7QONK O6ZGQGFDQPD4D6EBOBX2YEQZ
05-01	0735	Bean Soup	30 chr EAM G7ZCYF K7DQXJWNGFUZDKNPWZSZ7DFB
05-01	0800	Bean Soup	30 chr EAM G7R4B6 33UT7Y7NZVXCZZVKM47RXUB3
05-01	0803	Bean Soup	30 chr EAM G7QONK O6ZGQGFDQPD4D6EBOBX2YEQZ
05-01	0806	Bean Soup	30 chr EAM G7ZCYF K7DQXJWNGFUZDKNPWZSZ7DFB
05-01	0839	Bean Soup	30 chr EAM G7R4B6 33UT7Y7NZVXCZZVKM47RXUB3
05-01	0842	Bean Soup	30 chr EAM G7QONK O6ZGQGFDQPD4D6EBOBX2YEQZ

05-01	0845	Bean Soup	30 chr EAM G7ZCYF K7DQXJWNGFUZDKNPWZSZ7DFB
05-01	0900	Bean Soup	30 chr EAM G7R4B6 33UT7Y7NZVXCZZVKM47RXUB3
05-01	1403	Bean Soup	30 chr EAM for Trigonometry ZPZHBC OP2PQ62J7KH76EV2MRXPXSF
05-01	1605	Bean Soup	30 chr EAM G7OB4J 332A23GHNVRW4G5SYQCL74UN
05-01	1613	Bean Soup	36 chr EAM ZPMAC5 D4NARMEUCUIM35FHK4VH7DNX34PMQO
05-01	1633	Bean Soup	30 chr EAM ZPZZJ2 OLIFHIW5L5IUUV3MP3CTD6Z3Z
05-01	1649	Bean Soup	30 chr EAM G7BSFC 6Z2TKQYXTRM4D6XMICQYMK62
05-01	1705	Bean Soup	30 chr EAM G7EOFP ZIXMX4H2YJDD6KBR4NZD7JW3
05-01	1707	Bean Soup	30 chr EAM G7UN4E UIXYKM3VPCGW57G44SXI2QHW
05-01	1718	Bean Soup	44 chr EAM ZPFDJO K3PBVXVHTP5YTWJDOLLTP5YPSNBHLB6FIHBDO
05-01	1738	Bean Soup	30 chr EAM G7VTZV XNYI7VBBEKUVXVOCIU4ZHUYL
05-01	1820	Bean Soup	30 chr EAM for Fear ZPQ4LI G376VULVMSD225OHFCRIDO4B
05-01	1840	Bean Soup	30 chr EAM for Fear ZPK6FO 77MWZG5DPXDPLWFCMFKPZLR4
05-01	1843	Bean Soup	30 chr EAM for Fear ZPK6FO 77MWZG5DPXDPLWFCMFKPZLR4
05-01	1931	Bean Soup	37 chr EAM ZPU6Q7 YAU3276J2AQK43YHKJ33LZRUDXHPD3C
05-01	2132	Bean Soup	30 chr EAM G7MRDG PEMMBAPQPO5CTUOSJOQ6ODBA
05-01	2239	Bean Soup	30 chr EAM G7HRAV LXEFYS2IMIBEP3RL65UXCGLZ
05-01	2242	Bean Soup	30 chr EAM G7MJA4 67UJOCYXZERHHYE4ENTKMCJF
05-01	2254	Bean Soup	30 chr EAM G7OD6X K7CKH7RD4VN5AVVEAJVQJNLX
05-01	2306	Bean Soup	30 chr EAM G7NPO4 S3KQYARDEDZZLRI3XEBQCUTM
05-01	2308	Bean Soup	30 chr EAM G7SGCJ QC4I3KRVALLUYJ2GWE4AQYVH
05-01	2311	Bean Soup	30 chr EAM G7XH25 2PI23YSTCYRDUCB67YY6XUDO
05-01	2332	Bean Soup	30 chr EAM G7XH25 2PI23YSTCYRDUCB67YY6XUDO
05-01	2335	Bean Soup	30 chr EAM G7XH25 2PI23YSTCYRDUCB67YY6XUDO
05-01	2338	Bean Soup	30 chr EAM G7SGCJ QC4I3KRVALLUYJ2GWE4AQYVH
05-01	2340	Bean Soup	30 chr EAM G7NPO4 S3KQYARDEDZZLRI3XEBQCUTM
06-01	0003	Accordion	30 chr EAM VOCTA3 7K64JCWUPFIAQLBZ7LPZJSFH
06-01	0010	Accordion	30 chr EAM VOCTA3 7K64JCWUPFIAQLBZ7LPZJSFH
06-01	0030	Accordion	30 chr EAM VOCTA3 7K64JCWUPFIAQLBZ7LPZJSFH
06-01	0035	Accordion	30 chr EAM ZPOEFB MMVZKRSOSZYI3L3RUXGNCWEV
06-01	0046	Accordion	30 chr EAM VOKCIX WBT7B4WCUEJQ3SHNLOB3VUIH
06-01	0055	Accordion	30 chr EAM VOGH7N XAYVUL4SWP2DLICPNFHN26BK
06-01	0602	Accordion	30 chr EAM VOMTTM RCF7S4SCQ4LODFM5ND246TFS
06-01	0630	Accordion	30 chr EAM VOMTTM RCF7S4SCQ4LODFM5ND246TFS
06-01	0642	Accordion	68 chr EAM TIJYTN ZSOHKQLFPKQYUTK6JKDEO7R6FJZ3QXPE6N4HMTQPEG- CDJVHFEH5PA3ROSLFF4
06-01	0659	Accordion	68 chr EAM TIJYTN ZSOHKQLFPKQYUTK6JKDEO7R6FJZ3QXPE6N4HMTQPEGCDJVHFEH 5PA3ROSLFF4
06-01	0705	Accordion	30 chr EAM VOMJE2 PK4QLHJ6M5LH6TQSQ6XYVZLR
06-01	0708	Accordion	30 chr EAM VOMTTM RCF7S4SCQ4LODFM5ND246TFS
06-01	0730	Accordion	30 chr EAM VOMJE2 PK4QLHJ6M5LH6TQSQ6XYVZLR
06-01	0733	Accordion	68 chr EAM TIJYTN ZSOHKQLFPKQYUTK6JKDEO7R6FJZ3QXPE6N4HMTQPEGCDJVHFEH 5PA3ROSLFF4
06-01	0739	Accordion	30 chr EAM VOMTTM RCF7S4SCQ4LODFM5ND246TFS
06-01	0800	Accordion	30 chr EAM VOMJE2 PK4QLHJ6M5LH6TQSQ6XYVZLR
06-01	0803	Accordion	68 chr EAM TIJYTN ZSOHKQLFPKQYUTK6JKDEO7R6FJZ3QXPE6N4HMTQPEG- CDJVHFEH5PA3ROSLFF4
06-01	0808	Accordion	30 chr EAM VOMTTM RCF7S4SCQ4LODFM5ND246TFS
06-01	0817	Accordion	30 chr EAM VODTEJ YRQW7M42AED3VG4VKX3OH4G2
06-01	1247	Accordion	30 chr EAM for Mata-33 ZPZUEL SQWG7HMJ3BU6H26G2PM3QKL3
06-01	1306	Accordion	30 chr EAM VOOZVX BP4DBXYNX3SIM6ZDJHU2FN7P
06-01	1540	Accordion	30 chr EAM ZPXCJO T4OFJT5ATMEFQOQHAC65WHK
06-01	1637	Accordion	30 chr EAM VOBAMF MPA3JNJ5IVZOTPK6LPZGXFA4
06-01	1648	Accordion	30 chr EAM VOBAMF MPA3JNJ5IVZOTPK6LPZGXFA4
06-01	1746	Accordion	30 chr EAM for Cora-31? ZPHW5X 6PNBVRBCKQE7NKWK6I5DDZVD
06-01	1817	Accordion	30 chr EAM VOE220 2FJGGG4RXIEKEHPZYTYJ75SK
07-01	0033	Valorous	30 chr EAM VOMC3Z OHNZN26OBP6MTTE6IVNC3V5H
07-01	0058	Valorous	42 chr EAM ZP7Y34 J434CRBXRWWXMJY63LKY6ILVQQFKL4VVFBYBYP
07-01	0105	Valorous	30 chr EAM ZP4ASK PCAJSKHP5UJ7JMZB6JTUGLWN
07-01	0115	Valorous	30 chr EAM VOVLC6 T6OLJDULXAHAXDFJDQNKRDV
07-01	0744	Valorous	30 chr EAM VOO6JM 3LU6Q63PQOIVVTTYV5QFSYPD
07-01	0750	Valorous	30 chr EAM VO5BAU 7IPC6K2OJMRUCS6EKIUFINW6

07-01	0753	Valorous	30 chr EAM V03T4K RLZYSLILA6LO3ZU6H54PCUZ
07-01	0758	Valorous	30 chr EAM VO45UK R4OVA22ZJLF4WIIBRITIOYW
07-01	0801	Valorous	30 chr EAM V03T4K RLZYSLILA6LO3ZU6H54PCUZ
07-01	1103	Valorous	30 chr EAM for Unpack ZPLUOO KKAMDQRCRKSVV2MBRMSRDHFS
07-01	1116	Valorous	30 chr EAM for Unpack ZPTTDI 4AXF7R2NSF5OLEY4PLWJ66IY
07-01	1130	Valorous	30 chr EAM for Unpack ZPX6MU JIYZNWHWNJGWRDXRJNRHIF4
07-01	1316	Valorous	106 chr EAM HCNJLC AJRCDIKQZ6WNCTPKTZ4RSNDEMTMOQJ2J7GNCZYZZTX4NICG2YWGEKGO MINFTKEHXQSVT7VMY2TIKQHS6RCRDF73333DQB3RLRSJ
07-01	1337	Valorous	30 chr EAM VKCDG6 XAN4TKOQK4JI3YMVXPP3FVAJ
07-01	1543	Valorous	36 chr EAM VKIVKH RXYTQJAREFCQRPB6FUBAYG56TSGAHI
07-01	1612	Valorous	30 chr EAM VKNFNC SXRILN652RZERNXSOJAIPWTI
07-01	1627	Valorous	30 chr EAM VOBFIA UTFRQAXQDDGO43DKSX43JTC2
07-01	1631	Valorous	30 chr EAM VOIAKQ 6ORQ52O324GMGMQLGCQP72A6
07-01	1633	Valorous	30 chr EAM VOBFIA UTFRQAXQDDGO43DKSX43JTC2
07-01	1635	Valorous	30 chr EAM VOIAKQ 6ORQ52O324GMGMQLGCQP72A6
07-01	1639	Valorous	30 chr EAM VKWXVO NVGWXWDUBQ6CU6NXZHQNLF3T
07-01	1652	Valorous	30 chr EAM VOQAH 6II45NSA74STRQVKMW6GNSAC
07-01	1803	Valorous	30 chr EAM for Gina VKR7VD PJC5KM32AQAAAYDOL5DHUKH5S
07-01	2103	Valorous	30 chr EAM for Gina VK2WWP UD2BP2PIENIIVMAYYYPTAVNX
07-01	2117	Valorous	30 chr EAM VO6UIS 4OQDIEHQDW6HMMWBHDAFJTO4
07-01	2134	Valorous	30 chr EAM VOG3RD NY3RWK6D2EKZ7E2ZXNNL3WSA
08-01	1331	Post Call	30 chr EAM for Locker Bath VKT2XJ YPQRDFGZRQTGU6VDS4BTAL6J
08-01	1335	Post Call	30 chr EAM for Locker Bath VK3OIK 7OI26E76MMKBRWIF7CKEGWFS
08-01	1338	Post Call	30 chr EAM for Locker Bath VKAVLD HUXXJ2LV7JNRTYGYCPUPCSDB
08-01	1341	Post Call	30 chr EAM for Locker Bath VKTWO2 JCNWNZ5J2WBKXEYMRNJ7QO6L
08-01	1344	Post Call	30 chr EAM for Locker Bath VKBWAA WPXOPZAS7772U76R5E6WVILX
08-01	1347	Post Call	30 chr EAM for Locker Bath VKEKML OJUSSAM7OX73DXIDRPXSCDIG
08-01	1746	Post Call	30 chr EAM VOL4O2 I42DUYROQRPMU42MBQQMU34T
08-01	1753	Post Call	30 chr EAM VOSZV2 EIOH2T74FOZX3YKEDPQMPHGB
08-01	1800	Post Call	30 chr EAM VOSZV2 EIOH2T74FOZX3YKEDPQMPHGB
08-01	1817	Post Call	30 chr EAM VOO5Z3 GBZPVAXV5KGFYB3QI2VZXYCL
08-01	1819	Post Call	30 chr EAM VOZE32 ZODRWDNXXSRHJAQU3S2RPV4OK
08-01	2132	Post Call	30 chr EAM VOB0C7 GFDOMD4SSFYS3HGLZCB7H2T3
09-01	0027	Trocadero	30 chr EAM VKWOAF K4RDQTHHWQ32RO7NOW2A4OIE
09-01	0057	Trocadero	36 chr EAM VK66A2 B2FQQOEXDLUZ7NR2T625WANKOVVJWC
09-01	0111	Trocadero	42 chr EAM VKCAFS EE4VGRTBVROFELPAR36PAROTWRVH4ZCZLAO6
09-01	0123	Trocadero	30 chr EAM for Output VKA4JX YVHINZIYWSUF7C3HQ6NFED5H
09-01	0208	Trocadero	47 chr EAM VKCI6B JS2RVRQNJODSHSNKMADNKMDDNKML5T3QWX2OSL6HA
09-01	1415	Trocadero	30 chr EAM VOXS2R CK6NUR6D2ERA2U6AWOPHGSDI
09-01	1449	Trocadero	30 chr EAM VOXS2R CK6NUR6D2ERA2U6AWOPHGSDI
09-01	1526	Trocadero	36 chr EAM VKR55H CNUVAABGXEGYLPLOUKWEDBRGEUBWW
09-01	1529	Trocadero	30 chr EAM VOKM2W VRAB2XNV7W6BYW63OD64GI7R
09-01	1533	Trocadero	41 chr EAM VK7LQW G2ILX2BYYWU3UQMNRSFSGF6QIQYGENZLAB
09-01	1536	Trocadero	30 chr EAM VOXS2R CK6NUR6D2ERA2U6AWOPHGSDI
09-01	1550	Trocadero	30 chr EAM VOR232 QDVSQH6MSHQ7GSDSQHTFGYBW
09-01	1557	Trocadero	30 chr EAM VOVH2F 4V5WZE4T6U6LGLOEIZLUBAM
09-01	1605	Trocadero	30 chr EAM VKIA46 QUGDH6ETBMCIH4EM25O5NNUQ
09-01	1608	Trocadero	30 chr EAM VO3X36 RZ6FGZZUCDXTX5TOCQQ2NBF4
09-01	1702	Trocadero	30 chr EAM for ??? VK2L7U I7RCOALJ6RLKRPO7MBJSISDR
09-01	1746	Trocadero	30 chr EAM VOG6HW QOQALFCSAKLUPTCGOM23ACRO
09-01	2204	Trocadero	37 chr EAM VKVMPT S3DBNOKAXVVECTHBQWOHGNYSK2XKA
10-01	0135	Lady Fish	164 chr EAM HCB14T 3SEYRO4AQD5NGPXVJX4EHTZMT2THUZNUUA6BBBKB6NGST5KOJYKW3KK RN SSSSY2HBDPOZOLFTHTDKDFFFNQOQY23IILZIN3FIF4QQQQAB7YPCB3PZDSALE4EPBBBBDI ZUPPI33PXEE02XCZZZZ5V2RN6R6W
10-01	0246	Lady Fish	164 chr EAM HCXXHI 63WJUURJUUOZS3FS3YUACOCJ3CBXG3XXILJJY6BTGJFN4ZCX3LXXTR JJJNXW3T6MEMXXZYJZ7J7LLLLXHZSEVVKWQDYEDKGDDBIG4LITDLOVWEXFKFBRRRRU VPI6SS2VV2PQQBNPMU00UUXHL3HDID7
10-01	1116	Lady Fish	30 chr EAM for Murine VKTNV4 I7KQUTFRN47BTPUXU5NR4ACP
10-01	1133	Lady Fish	30 chr EAM VKMPCF DT53NKF5K4A7DQDKFRWDODUM
10-01	1145	Lady Fish	30 chr EAM for Murine VKAQMS QIPJEHNIXNKQY22NPLLCRLX2
10-01	1343	Lady Fish	30 chr EAM for Murine VKLBH7 WF7GAE6KATSPNJMO7OAAUOTJ
10-01	1347	Lady Fish	30 chr EAM for Murine VKLBH7 WF7GAE6KATSPNJMO7OAAUOTJ

10-01	1357	Lady Fish	30 chr EAM for Murine VKAZPQ WWM4XZHL6BFQST26WH6GWDOB
10-01	1532	Lady Fish	30 chr EAM for Murine VK3NBG JFVN7VZ4ZQ5PRXA03ODRF7RK
10-01	1547	Lady Fish	30 chr EAM for Murine VK53ZT 64VLCK4UVNKHFA3KL5PGGWT7
10-01	1632	Lady Fish	30 chr EAM VO6TPV NN3AF433OJVO2WJROJ4IEXR2
10-01	1640	Lady Fish	30 chr EAM VOSNWQ ITGSFYOXW3GGG75ACORAT4N7
10-01	1702	Lady Fish	30 chr EAM for Arear VKIWU2 GHP7XWFT65BETHDKSVC2ZHOV
10-01	1716	Lady Fish	30 chr EAM VOBZXI UKY274R?XFRB5YJ6FD?ZTMFQ
10-01	1745	Lady Fish	30 chr EAM VOODBI Q4S2XP4GZD7X24LQY3HUJ2K5
10-01	1807	Lady Fish	30 chr EAM VOIZRU C2UPZVLGQ5GELK5W4MJBXDGC
10-01	2102	Lady Fish	30 chr EAM for Arear VKFX25 55L2XAWYB6FADZO2SOQP2GEU
10-01	2112	Lady Fish	30 chr EAM VOPKFS PBYQY6GEPBRESYBPEM7UQ3TW
10-01	2133	Lady Fish	30 chr EAM VO66SQ GVXL6KFLX3LEOM6EM4FNSZM
11-01	1500	Strategy	30 chr EAM VOC4TZ X57QI7WXNJC2SUHHVFVPR3CH
11-01	1503	Strategy	30 chr EAM VOXPLG CUNKPW23ICC3QH7EFJU5Z67Q
11-01	1520	Strategy	30 chr EAM VOGRZV CD3TQTUKG6NDEJLV6BYUEXFW
11-01	1523	Strategy	30 chr EAM VOM3TC JYVCIHSXQNMSABROU4WI63RT
11-01	1530	Strategy	30 chr EAM VOR7GA D2PJ3R4CLRGWAMPNIHJUWN2X
11-01	1533	Strategy	30 chr EAM VOR7GA D2PJ3R4CLRGWAMPNIHJUWN2X
11-01	1535	Strategy	30 chr EAM VOM3TC JYVCIHSXQNMSABROU4WI63RT
11-01	1538	Strategy	30 chr EAM VOGRZV CD3TQTUKG6NDEJLV6BYUEXFW
11-01	2243	Strategy	30 chr EAM VOE34I CGT6NF4SITY5OPKYW2P37FSN
11-01	2246	Strategy	30 chr EAM VOI6XT 46JLJDVJXJVN32UHBWUDIEZ
11-01	2259	Strategy	30 chr EAM VOI6XT 46JLJDVJXJVN32UHBWUDIEZ
11-01	2302	Strategy	30 chr EAM VOE34I CGT6NF4SITY5OPKYW2P37FSN
11-01	2311	Strategy	30 chr EAM VOBGWO MTZMOBS3N2OADKYTQUFGIJA3
11-01	2314	Strategy	30 chr EAM VOHC6M AN6YOAICUC32ZAT6EDUC3K6O
11-01	2329	Strategy	30 chr EAM VKX4VG O2C3XVJD4WV3UF3XZN6REQHU
11-01	2340	Strategy	30 chr EAM VOQHX7 RE47HJK4DXJJWOU4RKLREZI
11-01	2343	Strategy	30 chr EAM VOQHX7 RE47HJK4DXJJWOU4RKLREZI
12-01	2133	Draw Plate	30 chr EAM VOC7JO U3GALUXTFXDMJTQ6E3SHAKWR
12-01	2330	Draw Plate	37 chr EAM VKX3Q2 LGMEUH35MS3CFQB6YG2KZX654YBB3Q7
13-01	0041	Dockhand	30 chr EAM VO3NZC 5OOW3ECYLP4QVNSF3TURHSW2
13-01	1449	Dockhand	30 chr EAM VOEK2Y 47LUHUJT75FIURPZFM3BOM6N
13-01	1452	Dockhand	30 chr EAM VONOB5 NRQLAXODDQAQOYOCSDGTIAQU
13-01	1632	Dockhand	30 chr EAM for Jenneck? VK6XKC 6A2HEANN6JGEVNJF2VPR2NMT
13-01	1652	Dockhand	30 chr EAM for Jennick? VKRO2K FX652BJS2DRSLQXUGBR5W2EA
13-01	1732	Dockhand	30 chr EAM VOUPDJ B6FI2NJFGGSNVHNB5ZDAKJV
13-01	1748	Dockhand	30 chr EAM for Pawhaw-73? VKQXFE SBAGPLMTDQSRKK6LKIAWDTQM
13-01	1756	Dockhand	30 chr EAM for Jenneck? VKGDTU 3TO5XOBGIGOQI6BPD5FJF577
13-01	1816	Dockhand	30 chr EAM VOXHWU MRUX7PN5OJ3JJQPKQE6WTJVX
13-01	1826	Dockhand	30 chr EAM for Uranium VKRCFY YWWMEXMJVKAUWJHGVB5JUH2S
13-01	2057	Dockhand	30 chr EAM for Uranium VKJ77X JHYVU2ZK4KRPMU74A72LTUJG
13-01	2122	Dockhand	30 chr EAM for Uranium VKNWZF WPOP27HD5AXZQYS4LGY4KOS
13-01	2332	Dockhand	30 chr EAM VOFEPZ 2NWRMBRYAFSS2AEUWKS7P3TV
13-01	2341	Dockhand	30 chr EAM VO74LI BG7VZZHEWNTJAS7476GBM46W
14-01	0020	Dayroom	30 chr EAM VOEZCG G5ACLYFLSB7IH6OOT4D73FVH
14-01	0023	Dayroom	30 chr EAM VKNZSU QW4VZ5MUAELGRSVN6SGUK5V
14-01	0025	Dayroom	30 chr EAM VONQ3W 73ZBNPCZDLYS4AMJTZZH752C
14-01	0031	Dayroom	Disregard my last transmission 30 chr EAM VONQ3W 73ZBNPCZDLYS4AMJTZZH752C
14-01	0034	Dayroom	30 chr EAM VO5KXK IVO2KPR6YAEDUPVECAQ43Z6E
14-01	0121	Dayroom	42 chr EAM VKAPP3 YDRICQGMJHQS66OKGV6OKJ6XBVH6EWMY7KJ
14-01	0247	Dayroom	59 chr EAM VKGCR2 W5IYN7Y5UJ4AO6PXNJOM2LJOM2LILYVSY7F4NRE4SYVSX7V7VZLGB
14-01	1435	Dayroom	30 chr EAM VODKCY B6BVCWTJEHIFLCBL2SWUPKT7
14-01	1509	Dayroom	30 chr EAM VOREEV Z6AXTNRFKRDYBDNNUOBNVW53
14-01	1633	Dayroom	30 chr EAM VKXHW6 XMZMMYDHPY4RJTDXFTKMNVB
14-01	1804	Dayroom	30 chr EAM VOLHFW U4XRSAGTQO4DAUB5AJTUOIN5
14-01	1812	Dayroom	30 chr EAM for Uranium VKKVWT EFCYBM5JXRQ75JEGMC3BXRAS
14-01	1822	Dayroom	30 chr EAM for Big Car VK2YBJ 5WM3XWIKQJTFMLYZJCUYQTU
14-01	2032	Dayroom	30 chr EAM for Uranium VKG3EO PVU37OHSE33EHBXUCRTTFSBP
14-01	2052	Dayroom	30 chr EAM for Uranium VKT73X CJYCZOJUMBDYVSKQLIJGOPV
14-01	2102	Dayroom	30 chr EAM for Tubie? VKL4FR VUNP7S7KFQZJNW6O2H3D3AOL
14-01	2349	Dayroom	30 chr EAM VO5OJ2 D4CCLZJD26M6WUJYBR7H6TGOU

15-01	0000	Tidysome	30 chr EAM VO5OJ2 D4CCLZJD26M6WUYBR7H6TGOU
15-01	0031	Tidysome	30 chr EAM VOEXFC 43QVJK4TUE36CEPYEFZDN627
15-01	1337	Tidysome	30 chr EAM VOZBKV WFP7WR2EDBNDFJKYGI3EG4C5
15-01	1456	Tidysome	30 chr EAM for Resent? VKN7OU G52QSXULXGFDZSUNA7GOGVB4
15-01	1625	Tidysome	30 chr EAM for Shiter VKR246 XFDJENKHXCSJAOAKPWGY6Y7
15-01	1634	Tidysome	30 chr EAM for Resent? VKP4ET SFD3XGBHGIR7WOHRKRUSFQV
15-01	1644	Tidysome	30 chr EAM for Resent? VKCCJI 5CLCFBWTKPM6LE7H7KVPW7KS
15-01	1657	Tidysome	30 chr EAM for Shiter VKOKYG GLYHYAAOZXXL5MERIZJ4XDAR
15-01	1657	Tidysome	30 chr EAM for Shiter VKFOXA W7RDOQQVXUJRCI6CFX3UL272
15-01	1721	Tidysome	30 chr EAM VOZYY3 SZDFLOCTW2JFRN6FIEUZJGFT
15-01	1930	Tidysome	30 chr EAM VOVTN7 LTKQUNCZBNAQQD7KAWRCTYB
16-01	1747	Parasite	30 chr EAM VOQTEY VWGQQW456CXAR662JHSHKVC0
16-01	2132	Parasite	30 chr EAM VO7S44 USGQOXCR2PY4N7DUV7KBAILC
17-01	1247	Rollcall	30 chr EAM for Worm-99 VKLAEB GTXCCQLRGYG5FZTLROT6UJZC
17-01	1318	Rollcall	30 chr EAM VOSXEP NDF6UEX4XN4PTFSIHPBIZGON
17-01	1632	Rollcall	30 chr EAM VOYNAS Q4LXN333PSQPZR4JIT56O47F
18-01	0623	Teamwork	30 chr EAM VOZD3Y BG2JB7NN4X5AK2XPEUVYK43P
18-01	1550	Teamwork	30 chr EAM VK4KQM CF22R4CWGZ54NUY7MJGNDWXU
18-01	1608	Teamwork	30 chr EAM VOWFLZ RLHOW6ILQDS7DBOQZNPL3B6W
18-01	1802	Teamwork	30 chr EAM VOJJDR FLFJPGG6JR2TG7T3332HF7QV
18-01	2134	Teamwork	30 chr EAM VOBTRY 3HQMBY5E5CU2NRU3PMNVRYZU
19-01	0039	Dispense	41 chr EAM VKMMFX 4BR2ARVDJJAQKHD4WU7FIWOEBEYJLVNZONL
19-01	0047	Dispense	30 chr EAM VKUTCA OMH7KJQF5BHFDDGADJWIVDCLQ
19-01	0108	Dispense	54 chr EAM VKQEAP CBL53JBXEIGIKYRTKVJA4HOYZTWFK4EWZNSYZAOF0377E7K
19-01	0029	Dispense	30 chr EAM VOWV3H D6BC2MQSYGIH2UR5SU7BHIXY
19-01	0706	Dispense	30 chr EAM VOV5LK GZIK4RK53BA756XJOIPQXEJU
19-01	0721	Dispense	30 chr EAM VOPRRH GIJ3ROB4DW4BB4PGAJHY7UEL
19-01	2133	Dispense	30 chr EAM VONUVC X2BRFHRDWVSUUSW25O4X7WS6
20-01	0037	Corrugate	30 chr EAM for Region Charlie VKOUDX PMJ5MYGXLZQD4VSVIZ5JBT33
20-01	0050	Corrugate	30 chr EAM VOUFA3 MGTCDUMDVEFKFQ3GQLIQRAJBL
20-01	0055	Corrugate	30 chr EAM VOZFDI RXP77F3F3WB3TFSCPHVZHKN
20-01	0105	Corrugate	30 chr EAM VOZFDI RXP77F3F3WB3TFSCPHVZHKN
20-01	0119	Corrugate	30 chr EAM VORTPX VHANOEGIVHN7O56J2YCDRPOF
20-01	0122	Corrugate	30 chr EAM VKNDCE M56YNXRUMCDVZT7OYVFIJNWRW
20-01	1816	Corrugate	30 chr EAM VOVXQ4 QC7PUQIVQR7GMG5LAWEH872S
20-01	2127	Corrugate	120 chr EAM HC6OSW TMLSRYP4U3S2X3VZJBDKL3WJKQSI44O776AAAAHQZ2TQKAH76R CC7D7F3333DJE7VENIRRWGPPTAGGXXXXE6JPZOICZVTOYLOOOORRRRAJSPM42GU
20-01	2135	Corrugate	30 chr EAM VOBMKX OCRRZL3UI4XBTNHGDPTSWHZB
20-01	2210	Corrugate	30 chr EAM VOVNJJ VFAOKIVWV4N5JC7IYIYQLDVB
21-01	0032	Overtone	30 chr EAM VOSR4R VVX5CHMNOZNP5I5QQFQO5ZNA
21-01	0035	Overtone	30 chr EAM VOSR4R VVX5CHMNOZNP5I5QQFQO5ZNA
21-01	0113	Overtone	36 chr EAM VKCKD2 IHM6E3SH7I0KU23VBZ6FYN576OO4UI
21-01	0121	Overtone	37 chr EAM VKFJ2N YDBGMMLUHMHZVGDDL3ZJEO6XHVM27RF
21-01	0211	Overtone	30 chr EAM VO5UQZ THXBJZKFYGE4AXQJQBT6MRO4
21-01	0232	Overtone	30 chr EAM VO5UQZ THXBJZKFYGE4AXQJQBT6MRO4
21-01	0454	Overtone	30 chr EAM ODZEQX KOV5GN36E6QUHSCNVAUNG3I
21-01	1611	Overtone	30 chr EAM VONVVE 6OEWXEEDSZ3N6ASRURJDFL2K
21-01	1621	Overtone	30 chr EAM ODXWGC 7HXE3JHK7IXIDYKPU4YA445
21-01	1625	Overtone	30 chr EAM VOI2P5 DFY27I42VHEKHLRTUVEB3YWQ
21-01	1631	Overtone	30 chr EAM VONWHG XBY2SFJ7YN5YPNUJVSXYPJ7S
21-01	1634	Overtone	30 chr EAM VOI2P5 DFY27I42VHEKHLRTUVEB3YWQ
21-01	1637	Overtone	30 chr EAM VONVVE 6OEWXEEDSZ3N6ASRURJDFL2K
21-01	1644	Overtone	30 chr EAM VOWUI7 FI4AJOFVGAH5JLLA2TN7IOYP
21-01	1804	Overtone	30 chr EAM VOAHTQ S54YFIAZYHY4USOH4NPARENO
22-01	0035	Dungaree	30 chr EAM VO5F6N 7NIPN2LTJNTMH2M4ISNC4GTB
22-01	1502	Dungaree	30 chr EAM for Cattle ODTSIW V6QMAWLF6CIPF4ZLXUSKQ5H
22-01	1638	Dungaree	30 chr EAM VOFFPW KGZ3EUWIGVG2IP3AOKABZDTL
22-01	1746	Dungaree	30 chr EAM VOYUTV SNDH6AFO6V2ZGS2ZBZIEXCIV
22-01	1838	Dungaree	30 chr EAM VOKUVX QEVHTRAKCFIIZRS7P7XP2TL6
22-01	1845	Dungaree	30 chr EAM VOURY4 NZQK3ZD6NSSAKILLWXQCSNVT
22-01	2134	Dungaree	30 chr EAM VOPTE2 3SBXRXB2VA3DULRUJCNHUHVJ
22-01	2216	Dungaree	30 chr EAM VOVSCZ YKRAW26GDMS2ZFASFSLR4THJ

22-01	2314	Dungaree	120 chr EAM HCH5GU FOA4EX5VA36HSQNVYNUOBXY355XICUOCNGSRRRRUO52SVZRCREW 5LWJRW2222DSEI6WNQKCB23SSTMNPPPPY6T7TMS2YTWOBQQXB33333EGRJSBIIE
23-01	1645	Handywork	30 chr EAM VOCE6U TW5QOYQ4SBTXSDWMNXREJN3
23-01	1648	Handywork	30 chr EAM VOK7MT OZE6466B2QSIMGZFGS2TNAFR
23-01	1651	Handywork	30 chr EAM VODBLU L5K236LUDUOI5DMKIWCPZNAL
23-01	1700	Handywork	30 chr EAM VODBLU L5K236LUDUOI5DMKIWCPZNAL
23-01	1702	Handywork	30 chr EAM VOK7MT OZE6466B2QSIMGZFGS2TNAFR
23-01	1704	Handywork	30 chr EAM VOCE6U TW5QOYQ4SBTXSDWMNXREJN3
23-01	1746	Handywork	30 chr EAM VOKQHH N6F4LUWZDLCCWPC52VSC43WK
23-01	2133	Handywork	30 chr EAM VODWPE PDCBPBG5FJBE6YDLKRUG2HL6
24-01	0641	Barn Roof	30 chr EAM VOWPPI YH64N62QQR4RCQY54M6PAJUL
24-01	0644	Barn Roof	30 chr EAM VOE4ZR C6VFQAEVW7DGGZQRVHJE3H7S
24-01	0700	Barn Roof	30 chr EAM VOE4ZR C6VFQAEVW7DGGZQRVHJE3H7S
24-01	0702	Barn Roof	30 chr EAM VOWPPI YH64N62QQR4RCQY54M6PAJUL
24-01	0705	Barn Roof	30 chr EAM VOQKTT ZCR76U5EFVKNOOG4O6JEH2CF
24-01	0711	Barn Roof	30 chr EAM VOFJ3G VBODOP6R3ZIUT2JWDFLEHDY
24-01	0720	Barn Roof	30 chr EAM VOC63F 33XTXBB46OVWZMGE35AOIGDF
24-01	0730	Barn Roof	30 chr EAM VOC63F 33XTXBB46OVWZMGE35AOIGDF
24-01	0733	Barn Roof	30 chr EAM VOFJ3G VBODOP6R3ZIUT2JWDFLEHDY
24-01	0736	Barn Roof	30 chr EAM VOQKTT ZCR76U5EFVKNOOG4O6JEH2CF
24-01	1540	Barn Roof	30 chr EAM VOYXTV I54SA6KX4IBB62PKXVOYKVLRL
24-01	1557	Barn Roof	30 chr EAM VOTPIO 4RVUZKBIGVZERPCOGDRH2XYZ
24-01	1601	Barn Roof	30 chr EAM VOTPIO 4RVUZKBIGVZERPCOGDRH2XYZ
24-01	1603	Barn Roof	30 chr EAM VOYXTV I54SA6KX4IBB62PKXVOYKVLRL
24-01	1715	Barn Roof	30 chr EAM RANFPI N4QQFIJVPVCCVTPXWCFLEZS
24-01	1729	Barn Roof	30 chr EAM RANFPI N4QQFIJVPVCCVTPXWCFLEZS
24-01	1733	Barn Roof	30 chr EAM RAOAB2 N55KZFUFRSOBI4TXAYPGXOU7
24-01	1746	Barn Roof	30 chr EAM RAS4UV LRSD3XIOIEYNBAXHYQWCATNI
24-01	1804	Barn Roof	30 chr EAM RANFPI N4QQFIJVPVCCVTPXWCFLEZS
24-01	1830	Barn Roof	30 chr EAM RANFPI N4QQFIJVPVCCVTPXWCFLEZS
24-01	1900	Barn Roof	30 chr EAM RANFPI N4QQFIJVPVCCVTPXWCFLEZS
24-01	2133	Barn Roof	30 chr EAM RA5D3L XK5P4V7B66RHGHBNS5DQKXOV
25-01	0753	Splendor	30 chr EAM RAVZPX VWEEMPHLJPQOPOUWOSH6QNLG
25-01	0756	Splendor	30 chr EAM RA6Z4E C4FP74HPZUNEOHZKSOPRTWLZ
25-01	0800	Splendor	30 chr EAM RA6Z4E C4FP74HPZUNEOHZKSOPRTWLZ
25-01	0803	Splendor	30 chr EAM RAVZPX VWEEMPHLJPQOPOUWOSH6QNLG
25-01	0812	Splendor	30 chr EAM RAKHP6 QJPYC6B7WRKOEITIGV4VP2QZ
25-01	0816	Splendor	30 chr EAM RAOEUC PERNJJNKLZI33XLVPGEY7IKO
25-01	1805	Splendor	30 chr EAM RAACKD FNLSHY6BO23ETGQTUWRWADZB
25-01	1818	Splendor	30 chr EAM RAACKD FNLSHY6BO23ETGQTUWRWADZB
25-01	1823	Splendor	30 chr EAM RAJTPH EON2WPU4NXLLU7TSCLVYRWC6
25-01	1837	Splendor	37 chr EAM ODGADS 34TYRTNHQLHZRW5EFS47TZD6KDBONPD
25-01	1843	Splendor	30 chr EAM RAFEFW 4Z2ITYUSJ3LGBOWZR44L2DYF
25-01	2102	Splendor	51 chr EAM ODILGZ OWOLG4S2PMYXQC34DP634CPGAAWUYGJZTDWJAAMUYMIY3SFX
25-01	2133	Splendor	30 chr EAM RAIUEX ZGMW6QYL5S4S3FJCZUAGHOV
26-01	0123	Birdtrap	56 chr EAM HCLCQW 6YQVN2562G5BFPXATF4OCRVIYA6NGCX6UZYASVZBJCCXEX7WBD
26-01	0129	Birdtrap	56 chr EAM HCLCQW 6YQVN2562G5BFPXATF4OCRVIYA6NGCX6UZYASVZBJCCXEX7WBD
26-01	0135	Birdtrap	56 chr EAM HCLCQW 6YQVN2562G5BFPXATF4OCRVIYA6NGCX6UZYASVZBJCCXEX7WBD
26-01	0233	Birdtrap	68 chr EAM HCCFFC GAWCPQCH7XDNMV2QXJSZTX2QZF7PUEIWQ26YAGRSN4TMTMOU 2J7GN7ZSSOX72O
26-01	0516	Birdtrap	30 chr EAM RAPLAA DBJSXRNWERQ3MUZERP7D3TGV
26-01	0529	Birdtrap	30 chr EAM RADNDV PBHCEMQHJAHWYFCCDBQ5WTKL
26-01	0531	Birdtrap	30 chr EAM RAC423 UWH7OS2GHHQCB6736FEHJ3P2
26-01	0532	Birdtrap	30 chr EAM RAC423 UWH7OS2GHHQCB6736FEHJ3P2
26-01	0536	Birdtrap	30 chr EAM RADNDV PBHCEMQHJAHWYFCCDBQ5WTKL
26-01	0538	Birdtrap	30 chr EAM RAPLAA DBJSXRNWERQ3MUZERP7D3TGV
26-01	0542	Birdtrap	30 chr EAM RA77GH BSE4YW4J73JW5NECFOTGVFJZ
26-01	0545	Birdtrap	30 chr EAM RA3XWL EVCCIVSZKOKCIXXWO2DNVW3O
26-01	0547	Birdtrap	30 chr EAM RA3NGL FWK2ZZCAOVDRSOBAKBI475TC
26-01	0553	Birdtrap	62 chr EAM HCXOAX GUAUFVKUABZMJCZAWWHNYZTF4NICGZYWGEXOGZLDGXIBIGWRRX 6BIXL
26-01	0733	Birdtrap	30 chr EAM ODAUBQ VTW3MGSU6LNV3XMA4TXMZ4TXMZYYJHYCTD4ZREOJJDCTBXOTMEH

26-01	1100	Birdtrap	30 chr EAM RAXKCR F4ELXNTP5VD4IN4PGVYW6PE
26-01	1252	Birdtrap	30 chr EAM RAUAFL ILWRUQCGSCL6LAD57D3GEY7
26-01	1711	Birdtrap	30 chr EAM RA4QE7 GKV4BULEWSPRHD2UVJXPN3HK
26-01	1835	Birdtrap	30 chr EAM RAQOLE IS62MEKNEPILLST3GBZ2VHEL
26-01	2134	Birdtrap	30 chr EAM RA46VC 2W2GBVEYLFUR3MZKXFOANJIX
26-01	2319	Birdtrap	30 chr EAM RAOB4Z SN6LIEAPXJ6Y4XIQZQE3N
26-01	2321	Birdtrap	30 chr EAM RAGMWT WGP4GI7NLGKIBMKLSVQ6H4XK
27-01	1613	Horn Fog	30 chr EAM for Ethan ODY4RA LYKHZZUGU2V2R6JJNG5YAXXK
27-01	1652	Horn Fog	30 chr EAM for Ethan ODSSFO 4WV4YJR76WAQSZNOO3QRRGSF
27-01	1656	Horn Fog	30 chr EAM RAVCLH XQOFV5AAKFHGYCWR6LOHDZO
27-01	1700	Horn Fog	30 chr EAM RAVCLH XQOFV5AAKFHGYCWR6LOHDZO
27-01	1732	Decision	30 chr EAM RAZI2X WJXZ4WQVKQLQFWGK6Y4CXONS
27-01	1747	Decision	30 chr EAM for Catch-58 ODJOT5 VYPKLC2H3657VMMKZUTVROU
27-01	1803	Decision	30 chr EAM for Stella ODJRP3 YRIW6FCNUCQO2UJLMRSY2VQ3
27-01	1817	Decision	30 chr EAM RAFG7I BQP647LFU53PRLCSXHXKJWY4
27-01	1823	Decision	30 chr EAM for Stella OD7E3B NEB3IICIMXFGNUZEV5BAOXOD
27-01	1842	Decision	30 chr EAM for Stella ODIJTJ ZB2QJ2EZDSIYFZBOC2UCSB74
27-01	1903	Decision	30 chr EAM for Stella OD3UDC FOA6WTPZUHR57M4C72WKKM2U
27-01	1932	Decision	30 chr EAM for Stella ODZGSS TMMFS2BCKOGDSYHVJDNEYI3J
27-01	2032	Decision	30 chr EAM RA652L QUJCH64ANPZGY73WI7YGENBF
27-01	2216	Decision	30 chr EAM RAHFFI B7BZZRGUTPH7YK25VJ3RQWP
27-01	2220	Decision	30 chr EAM RAHFFI B7BZZRGUTPH7YK25VJ3RQWP
28-01	0033	Keyring	30 chr EAM RAABPU Z7XZPRRE6IB4T7VK7NQKP2EL
28-01	0133	Keyring	30 chr EAM for Texan Angus OD4TU2 ORWP3R3PPGFUCNTBAXOWQH6H
28-01	1412	Keyring	30 chr EAM for Bedford ODUGAS FY4FXNUGQHO3BCTUGXCUSFHR
28-01	1422	Keyring	30 chr EAM for Bedford ODY7IJ SX6KA4GAH4E3HUJPCMEJSEBP
28-01	1432	Keyring	30 chr EAM for Bedford ODB26Y UMI4OFLHHYT74IDWXTN64DY
28-01	1442	Keyring	30 chr EAM for Bedford ODZ7DR IETUA2WL7CQWAHBTFTBZXJQV
28-01	1624	Keyring	30 chr EAM ODHEUU 7WJDS5M5Y6TVMSK4KT5MFDIC
28-01	1643	Keyring	54 chr EAM ODWWET 6RC5UDWKG5PFGWE5JHCE5JJBQUW7W5L3QIGAUQW2WGVBEYQT
28-01	1658	Keyring	30 chr EAM ODMENU HDJB55IV5VOMY4VM4EVP6M7
28-01	1720	Keyring	54 chr EAM ODZQPO MNRE53ZZR6KYBUQKYWIMQLNQWIMSLGKJRUBGWIM2L3MRGFQP
28-01	1813	Keyring	30 chr EAM for Burn, for Waiter ODZRIC 4UMP4QKZB56HKJDQQVNDFCO7
28-01	1822	Keyring	30 chr EAM for Burn OD5CZN YTQHF3NEFNV7S7AO2VETRLYO
28-01	1843	Keyring	30 chr EAM for Burn ODARJZ UWFARUR7SS6YMSOLWTW3FWBA
28-01	1902	Keyring	30 chr EAM for Burn OD5DPO ML7OAO4QJU24S5Q5CILKTROB7
28-01	1923	Keyring	30 chr EAM for Burn ODHRZ4 ZKCZFA6HBTDSAWN6P6NGFLGF
28-01	1931	Keyring	30 chr EAM RAAQCP TGYGLMWVNIBICIAAW7ZUPTK36
28-01	2022	Keyring	30 chr EAM RACWIY A4NDKTP7MUSJOOK63S6J25RS
28-01	2026	Keyring	30 chr EAM RACWIY A4NDKTP7MUSJOOK63S6J25RS
28-01	2100	Keyring	30 chr EAM RA2GCT VBK3UFU73VO6FUCRXNEIURSL
28-01	2104	Keyring	30 chr EAM RA2GCT VBK3UFU73VO6DUCRXNEIURSL
28-01	2106	Keyring	30 chr EAM for Waiter ODVK7M 44OU6BWLZ4TR5JZ5NPRC5GRD
29-01	0032	Teeball	30 chr EAM RAOLUL IWD2WACBCFZSGXNI44ND7PHS
29-01	2133	Teeball	30 chr EAM RASNVI LRTL4B2OERCHFYSISDUXSEJ2R
29-01	2226	Teeball	30 chr EAM RAYZBV TPQRJSGHSXJTDYNKGE75XBHP
29-01	2232	Teeball	30 chr EAM RAYZBV TPQRJSGHSXJTDYNKGE75XBHP
29-01	2248	Teeball	30 chr EAM RAUQSF MGBS67LW6PCC2YCIEEQHBWD
29-01	2308	Teeball	30 chr EAM RASHRY IZ5YGX6WX3UBTRYO5CTLPVXE
30-01	1302	Surf Stud	30 chr EAM RAY5VE 6BI4EE5F5UOCPXKNV4CHZXAI
31-01	1248	Two Timer	30 chr EAM for Camp-84 ODZ5VU JHQZD5RVDG5PF3CQEQPZFOYL
31-01	1317	Two Timer	30 chr EAM RAQGCI FGPQWBOIHRY6F3MNRILXC3KM
31-01	1739	Two Timer	30 chr EAM RA33LS UPZXGPZE6RFKN54QYIHPX72R
31-01	1803	Two Timer	30 chr EAM RA33LS UPZXGPZE6RFKN54QYIHPX72R
31-01	1831	Two Timer	30 chr EAM RA33LS UPZXGPZE6RFKN54QYIHPX72R
31-01	1833	Two Timer	30 chr EAM RA33LS UPZXGPZE6RFKN54QYIHPX72R
31-01	1900	Two Timer	30 chr EAM RA33LS UPZXGPZE6RFKN54QYIHPX72R
31-01	2121	Two Timer	30 chr EAM RAOZCT UFYRNVFHGLPZ6VQ33WCIKFDB
31-01	2123	Two Timer	30 chr EAM RAOZCT UFYRNVFHGLPZ6VQ33WCIKFDB
31-01	2130	Two Timer	30 chr EAM RAAHGP ZXHSJZYVDLOMOC36VRYFRT63
31-01	2132	Two Timer	30 chr EAM RAOZCT UFYRNVFHGLPZ6VQ33WCIKFDB

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB, Gwr, F5JBR, Danix

Strategic messages

5387 kHz, 08-01, 1208 UTC	XXX XXX JWB1 JWB1 33389 RUANOTREK 4873 1581 K
4426 kHz, 20-01, 0736 UTC	XXXX NVTI 51744 AZOBENZOL 3279 2012 K
5517 kHz, 20-01, 0748 UTC	XXX XHOP 05217 WOLVSK 6223 1726 TREFOTOR 0980 7640 K
5517 kHz, 20-01, 0736 UTC	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K
5759 kHz, 20-01, 0736 UTC	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K
5582 kHz, 20-01, 0736 UTC	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K
5517 kHz, 20-01, 0805 UTC	XXX 2XYO 01016 ZAMOMETR 2720 5122 K
6432 kHz, 20-01, 0817 UTC	XXX NVTI 04568 MYSOWRED 0170 2840 K
5759 kHz, 20-01, 1150 UTC	XXX XXX KFXB KFXB H7Q6 H7Q6 94955 16328 OBTERATELX 7251 3954 K
4848.5 kHz, 28-01, 0651	XXX PNHL 17284 42106 01454 09331 66103 GNOMOKTX 8229 2921 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 0700	XXX PNHL 17034 80539 09520 34577 11182 SKAZOTIRS 7286 5453 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 0724	XXX PNHL 42051 11919 53243 19193 62480 NEREChEMOSTX 3092 4266 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 0730	XXX PNHL 73392 87445 18941 87341 71400 IDIchOChLAG 0668 3974 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 0950	XXX PNHL 56623 25954 87902 82423 23827 POKRYChKA 3969 0275 3969 9275 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 1011	XXX PNHL 95140 58971 89333 30414 82523 DUHONŮH 8735 3942 K (JS7I, MAYM, S9FX acknowledge receipt)
4848.5 kHz, 28-01, 1014	XXX PNHL 90283 96180 60259 TEINOŌED 0623 4852 K
4848.5 kHz, 28-01, 1016	XXX PNHL 91523 62128 99839 MUVOBRA3 1832 3967 K
4848.5 kHz, 28-01, 1018	XXX PNHL 90735 13455 52033 SÉWOChEF 1314 7738 K
4848.5 kHz, 28-01, 1020	XXX PNHL 82994 61411 20206 77665 41587 FRIKASE 7245 7878 K
4848.5 kHz, 28-01, 1023	XXX PNHL 11313 57663 23645 56450 23891 POSTUSLOWXE 3092 6281 K
4848.5 kHz, 28-01, 1026	XXX PNHL 98568 23965 42608 86446 FLIKOHUK 8889 2405 K
4848.5 kHz, 28-01, 1029	XXX PNHL 91118 56417 57003 11324 14824 DEBIT 1267 4350 K
4848.5 kHz, 28-01, 1032	XXX PNHL 79930 20704 63181 54363 55869 FLŮORIT 9328 7637 K
4848.5 kHz, 28-01, 1035	XXX PNHL 33258 79047 47184 93439 38540 BATORSKIJ 0030 4661 K

Recording: <https://priyom.org/media/255253/jwb1-5387cw-20210108-1208z-msg-bygwraspe.ogg>

Monolith stations

The Russian military have changed many of their monolith callsigns for 2021.

General Staff "XXX XXX XHOP XHOP 27443 CIKLOLENCh 5657 8288"
REA4 "XXX XXX A2CA A2CA 94589 CIKLOLENCh 5657 8288" (1QRF expected)
8543 kHz "XXX XXX IQ4O IQ4O 92086 VMOTOGLAZ 9371 7442" (9RPN expected)
Pip "XXX XXX JWB1 JWB1 86114 DEIONIZACIYa 9559 0288" (8S1Q expected)
Buzzer "XXX XXX NVTI NVTI 42702 PLYuShOWWOD 7614 6467" (ANWF expected)
RDL "XXX XXX XHOP XHOP 33714 27443 CIKLOLENCh 5657 8288"
RIT "XXX XXX VD9B VD9B 70148 USOROK 5094 9747" (no change)
RMP "XXX XXX TRHD TRHD 94549 POGRUZOChNYJ 0714 5567" (no change)
7678 kHz "XXX XXX LA8K LA8K 08572 WLEChENIE 6663 9840" (MFT5 expected)
RCV "XXX XXX 596E 596E 48005 OBSEMENENIE 2454 7920" (ONG4 expected)
Squeaky Wheel "XXX XXX VZFY VZFY 06299 OBRAZCOW 0298 1210" (no change in CW, voice channel too weak to verify)

XHOP possibly replaced WEGI

KFXB (KF'B) is the new callsign for what was N1DX (N1D') and H7Q6 (H7Shch) is what used to be F2ET.

S30 Pip – Southern District

5448 kHz, 08-01, 1214 UTC JVB1 JVB1 67006 BRYeGOBRYeD 2261 6880

Recording: <https://priyom.org/media/255256/s30-5448usb-20210108-1214z-jvb1-after-flash-bygwaspe.ogg>

Russian military voice transmissions

RMv – Russian Military

5045 kHz, 18-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1649. 16 chasov 15 minut konec svyazi
5045 kHz, 19-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 8573. 16 chasov 15 minut konec svyazi
5045 kHz, 20-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2875. 16 chasov 15 minut konec svyazi
5045 kHz, 21-02, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1844. 16 chasov 15 minut konec svyazi
5045 kHz, 22-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2947. 16 chasov 15 minut konec svyazi
5045 kHz, 25-01, 1414 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 3354. 16 chasov 14 minut konec svyazi
5045 kHz, 26-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi
5045 kHz, 27-01, 1415 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1244. 16 chasov 15 minut konec svyazi
5045 kHz, 28-01, 1413 UTC Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi

Recording: <http://www.numbersoddities.nl/znamya-2021-01-27-1406utc-5045khz.mp3>

RNv – Russian Navy

8752 kHz, 23-01, 1006 UTC

VESTNIK: Russian Baltic Fleet HQ, Kaliningrad (RMP) clg GORCHI (RFX42)

Russian military morse transmissions

M32a - Russian Navy

11139 kHz, 14-01, 1039-1140 UTC. Duplex

RWE67 DE RAA K

RAA QRR3 QWH 11560 K

RAA R K

RWE67 DE RAA K

RAA RPT K

RAA OK QRR3 QSX 7988 K

RWE67 DE RAA K

RAA QQR3 SK K

RWE67 DE RAA QTC K

86034 64703 38458 86249 65153 33317 34070 14708 89559 34941

63381 08355 16099 30727 63184 57537 48635 33895 54397 61521

00259 08934 62017 59378 75156 39226 66451 27427 79996 29113

38926 52071 54578 73759 25166 37067 52018 11648 22873 55260

00628 91521 27261 25622 45925 50672 36928 31069 22254 33225

69742 54675 13102 90266 06747 14956 = RPT AL AR RAA K

RAA RPT K

52071 K

RAA RPT

50672 K

RAA RPT K

RAA RPT

31569 K

RAA NR 794

RPT

18 23 24 K

RAA NR 794 COR

18 23 24
48635 09934 62017 K
RAA RPT
62017 K
RAA CK RAA SK

8626 kHz, 24-01, 1705 UTC

VVV RLD64 RLD64 DE RMP RMP
QSA? QTC K
RLD64 RLD64 RLD64 DE RMP RMP QTC =
762 16 24 1002 762=
89936 96427 98326 16133 82038 43142 00986 10653 27907 58843
60279 98705 69742 52510 49352 24015 =
RHN85 RHN85 DE RMP RMP QTC =
201 21 24 1005 201 =
45659 10708 56616 65759 90632 60652 78950 05732 25701 13763
10310 21698 01516 26710 76320 42943 98005 50731 16996 98120
24020 =
REO DE RMP QTC =
591 16 24 1205 591 =
47850 18091 335.. 87121 44800 62917 84041 04387 86309 51243
04243 ...

8345 kHz, 31-01, 0603 UTC. RJS81 Russian Navy ship wkg RIW: navy Moscow

QTC SML 530 16 31 0900 530 = SML FOR RJH45 RJE73 =
31061 99357 10336 41/98 22704 10164 40093 52067 70222 8////
22262 00140 31012 =
AR RJS81 K
Location: <https://goo.gl/maps/5QPcxA1JCAHHmkeN6>



M32b - Russian Naval Air Transport

8816 kHz, 19-01, 0853 UTC

RJC38 RJF94 DE 09547 QRE 1040 QBD 0600 K
QTH 17242 13652 QTR 0847 QBG 7000 QBD 0600 K
QTH 17548 13935 QTR 0934 QBG 7000 QRE XLDH 1045 K
QTH 17910 14403 QTR 1014 QBG 7000 QBD 0430 K
QQM XLDH 1057 SK

8816 kHz, 19-01, 1056 UTC

RJC38 RJF94 DE 54515 QTO 1045 QRD XUMB XRKE QBD 0900 QRE 1345 K
QTH 15016 13148 QTR 1145 QBG 6700 K
QTH 15323 13716 QTR 1240 QBD 0700 QRE XUMB 1325 K
QQM XUMB 1320 SK

8816 kHz, 19-01, 0810 UTC

RJC38 RJF94 DE 54505 QTR 0800 QTH 17632 14053 QBG 230 K
QTR 0825 QTH 17857 14422 QRE XLDH 0857 K
QQM XLDH 0911 SK

8816 kHz, 19-01, 1228 UTC

RJC38 RJF94 DE 54505 QTO 1217 QRD XLMD XLDH QBD 0600 QRE 1500 K
QTR 1318 QTH 17609 13926 QBG 230 K
QTR 1400 QTH 17228 13604 QBD 0415 K
QQM XLMD 1455 SK

6841 kHz, 07-01, 1525 UTC, T600

15:25:04 Message Start

Sync 1eb41eb2952

Session Key: 1a 70 38 2a 68 16 1c 1a 51 26 43 13 16 43 62 43 0e 13 52 2c 0b 07 1c 0e 4c 25

43 38 43 15 4a 46 54 16 1c 1c 0b 64 2a 26 4c 0b

19 1c 07 25 07 19 64 70 15 1c 23 0d 68 70 0d 15

32 31 16 52 62 32 61 54 4c 0e 58 2a 51 58 2c 2a

0e 1a 68 26 62 1a 23 23 2a 38 0b 0e 62 15 32 25

0e 38 1a 46 54 19 66 52 61 34 62 4c 13 32 15 31

31 16 70 15 34 4c 52 31 0b 0e 62 31 62 51 68 54

32 0d 58 1c 1c 4c 70 52 0e 64 1c 26 68 58 52 51

07 13 15 58 0d 0e 23 52 1c <EOM><EOM><EOM>

6841 kHz, 07-01, 1525 UTC, T600

Sync 1eb41eb2952

Session Key: 31 31 13 4a 34 13 61 54 1a 64 54 4c 4a 0e 31 0d 31 43 2c 32 07 64 26 0e 61

25 15 70 32 31 46 32 43 07 19 19 34 58 1a 15 19

64 16 0e 70 23 43 2a 15 64 19 43 0b 1c 0e 0e 15

61 31 31 0e 26 43 25 19 31 1a 13 23 15 0b 2a 52

32 64 58 43 31 0b 4c 4c 2a 25 68 54 2c 2c 1a 15

70 46 64 32 51 4c 51 54 54 07 19 68 25 4a 64 0d

38 34 19 70 32 38 4a 58 15 19 70 46 0b 52 23 19

0e 2c 62 61 16 15 58 64 34 32 25 52 2a 52 61 68

32 38 34 13 19 70 70 51 1a 51 58 0d 62 58 54 1c

26 25 64 62 26 19 0e 15 4c 32 13 61 2a 38 34 38

25 32 58 1c 58 0b 13 43 2a 62 4c 46 43 2a 70 <EOM>

<EOM><EOM>

6841 kHz, 07-01, 1527 UTC, T600

Sync 1eb41eb2952

Session Key: 23 32 1a 4c 52 0e 2c 68 0d 07 61 64 43 19 46 26 0e 15 19 1c 4a 13 54 61 4a

61 0d 4a 58 4a 58 62 4a 51 25 0d 2c 26 52 46 68

34 54 1a 07 32 25 34 1a 25 25 43 23 43 4a 62 52

32 0b 58 0b 2c 19 32 4a 32 07 15 32 38 51 32 2a

32 38 25 26 1c 64 15 38 1c 2a 54 32 68 1c 2c 15

2a 25 34 32 0d 1a 61 2c 23 51 58 62 2a 38 43 25

19 26 0b 13 2a 70 34 34 31 38 64 68 4c 64 4a 26

0e 25 25 19 31 26 38 68 51 51 31 62 19 68 0d 23

07 52 64 26 1a 34 26 68 43 38 64 43 43 70 19 23

13 52 19 1a 64 1c 51 43 15 62 4c 31 51 15 32 43

52 0b 4a 61 19 25 15 64 4c 2c 58 0b 68 1a 61 <EOM>

<EOM><EOM>

11468 kHz, 19-01, 0915 UTC, T600

Sync 1414bebe952

Session key: 15 13 68 0d 52 52 0e 70 64 13 52 34 4a 54 2a 23 58 62 58 19 1c 0b 54 31 64 15

2a 32 32 32 58 2a 15 4a 43 61 43 54 0b 1a 07 62

16 07 0b 0d 19 26 2c 38 54 34 68 0e 23 31 51 26

62 1a 2a 25 70 1a 23 25 19 58 13 64 38 23 51 13

4c 2a 19 70 54 0e 19 19 25 1a 1a 32 58 4c 07 0b

2c 54 4c 4c 26 52 38 68 25 0d 46 0d 62 4c 34 31

1c 64 0d 13 32 58 68 4a 43 52 16 25 43 23 23 52

4c 34 1a 46 52 68 1a 46 43 64 62 2c 32 23 4c 31

13 32 2c 34 31 <EOM><EOM><EOM>

11468 kHz, 19-01, 0938 UTC, T600

Sync 1414bebe952

Session key: 64 31 46 52 51 1c 51 23 54 2a 46 46 19 46 1c 64 68 61 0e 25 46 15 52 32 2a

26 0d 2c 26 62 64 4c 70 2a 62 4c 31 43 54 70 25

16 13 13 2a 4c 1a 68 4c 64 51 51 62 64 64 2a 16

61 15 19 13 51 23 1a 15 64 2a 68 62 16 0b 07 43

31 16 52 34 32 25 62 58 51 1a 23 64 68 23 1a 0b

1c 16 4c 52 32 19 64 15 31 16 13 4c 70 16 54 19

19 0d 52 46 15 0e 38 13 0b 52 52 2c 43 32 31 15

2a 25 34 13 46 43 62 32 64 58 26 61 31 13 0e 62

34 0e 2a 51 15 4c 4a 54 43 52 32 61 <EOM><EOM><EOM>

11468 kHz, 19-01, 0940 UTC, T600

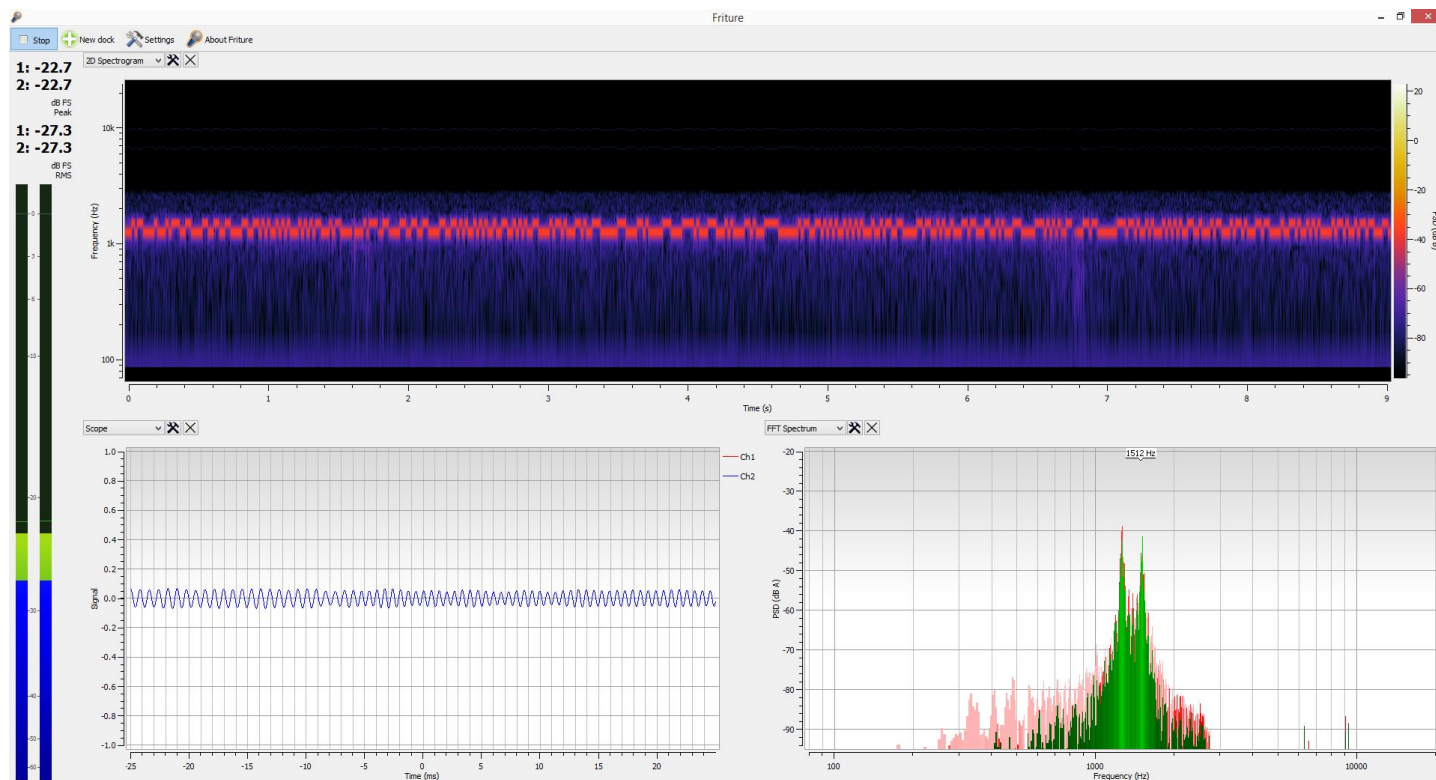
Sync 1414bebe952

Session key: 58 16 2a 31 31 46 31 43 16 1a 32 46 26 62 58 64 4a 51 4c 0d 64 61 52 0d 34 62
0e 4c 54 38 25 52 62 2c 19 26 4a 62 26 1c 25 31
58 31 13 43 38 0e 62 38 58 64 1a 19 4a 26 4c 2a
0b 64 34 19 19 1a 15 61 4a 1a 4c 43 34 07 31 51
15 19 1c 62 43 62 43 2a 34 64 34 26 70 25 15 38
0d 52 54 4a 16 70 07 07 15 34 64 62 2c 4c 0b 19
34 32 07 26 52 43 19 54 2c 68 0d 2c 1c 70 0d 62
4a 32 15 61 26 51 0b 1c 54 64 54 16 13 43 61 43
58 61 0d 0d 58 0e 16 16 0e 25 31 <EOM><EOM><EOM>

11468 kHz, 19-01, 0944 UTC, T600

Sync 1414bebe952

Session key: 1a 13 26 1c 2a 25 31 2a 52 43 52 52 31 43 19 61 54 26 0b 23 2c 26 31 25 46
51 4c <EOM><EOM><EOM>



Russian T600 modem

11468 kHz, 19-01, 0945 UTC, T600

Sync 1414bebe952

Session key: 51 23 26 0b 4c 07 0e 68 23 25 26 19 0b 52 46 34 62 62 23 4a 0d 68 0b 34 51
58 62 25 0d 46 43 25 16 1a 52 51 2c 4c 2a 0e 2c
46 13 15 4a 07 43 25 34 68 0b 32 51 46 1a 15 4c
51 23 15 70 32 4a 07 70 32 64 26 52 64 58 0e 26
19 1a 46 1c 58 46 70 32 46 70 32 64 46 4a 1c 31
46 61 19 2a 1a 1c 62 46 68 07 43 23 26 62 54 58
1a 68 07 1a 64 68 61 54 34 07 0d 31 68 32 1a 1c
1a 31 16 68 16 64 68 46 52 07 15 15 54 32 1c 19
43 68 32 38 4c 0b 13 4c 32 2a 0b 68 16 2a 1a 52
15 2c 07 0e 4c 58 15 <EOM><EOM><EOM>

11468 kHz, 19-01, 0950 UTC, T600

Sync 1414bebe952

Session key: 2a 32 15 70 38 0e 1c 34 07 70 26 1c 54 52 15 43 1a 4c 4a 1c 32 58 2c 4c 2c 54
13 46 1c 64 68 07 58 0b 58 4a 2a 26 16 64 38 43
61 19 51 07 38 61 07 61 26 07 19 13 25 25 15 1c
4c 62 13 46 1c 61 31 25 4c 13 1a 26 38 15 4c 62
64 23 2a 26 31 68 2a 64 26 51 62 26 54 32 1c 0e
1a 32 26 64 51 1a 2a 68 43 25 70 58 51 26 1a 23
0b 15 61 70 38 61 16 34 62 54 0d 26 34 1c 52 2c
4a 32 26 51 19 1c 26 4c 0b 1c 16 1c 2c 2c 64 07
26 52 16 4c 1c 51 2c 13 23 51 0b <EOM><EOM><EOM>

LOGS SECTION

Code	Date	UTC	Day	Freq	Details	Mode	Contributor
---	1-1	1116	Fri	7050	Russian-Ukrainian radio war	LSB	(AB)
---	6-1	1041	Wed	7055	Russian-Ukrainian radio war. Music, excerpts from radio programs. Several stations on top of each other.	LSB	(AB)
---	7-1	1215	Thu	7055	Russian-Ukrainian radio war. Various stations on top of each order	LSB	(AB)
---	8-1	0921	Fri	7055	Russian-Ukrainian radio war. Music (Hammer time), anti Russia broadcast	LSB	(AB)
---	13-1	0946	Wed	13438	Bugle loop	USB	(RL)
---	13-1	1058	Wed	7055	Russian-Ukrainian radio war. Music, excerpts from radio programs. Several stations on top of each other.	LSB	(AB)
---	14-1	0944	Thu	13461	Bugle loop	USB	(RL)
---	15-1	0921	Fri	7055	Russian-Ukrainian radio war. Message: "This frequency is used by a group of old Putin's pederasts" etc etc	LSB	(AB)
---	16-1	1000	Sat	7060	Russian-Ukrainian radio war	LSB	(AB)
---	16-1	1023	Sat	7055	Russian-Ukrainian radio war. Loop transmission	LSB	(AB)
---	20-1	1103	Wed	7050	Russian-Ukrainian radio war. Excerpts from radio programs. looped transmission	LSB	(AB)
---	21-1	1455	Thu	7055	Russian-Ukrainian radio war. Anti Russia propaganda	LSB	(AB)
---	22-1	0800	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	0830	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	0900	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	0930	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1000	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1030	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1130	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1200	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1230	Fri	8821	Marker S (R5)	CW	(AB)
---	22-1	1300	Fri	8821	Marker S (R5)	CW	(AB)
---	28-1	1313	Thu	7055	Russian-Ukrainian radio war. Music and anti Russia propaganda	LSB	(AB)
---	29-1	0800	Fri	7055	Russian-Ukrainian radio war. Several stations on top of each other. Distorted voice loops, excerpts from radio programs. Anti Russian propaganda	LSB	(AB)
----	1-1	0800	Fri	4735	VVVVV PROMRÖ = 0101 = 1000 0590 0260 0800 1220 ... 0800 0490 0200 0660 0990 = AR	CW	(AB-ROU)
----	4-1	0800	Mon	4735	VVVVV PROMRÖ = 04 01 = 1000 0570 0260 0790 1200 ... 0800 0480 0200 0650 0970 = AR	CW	(AB-ROU)
----	5-1	0802	Tue	4735	VVVVV PROMRÖ = 05 01 = 1000 0600 0250 0810 1220 ... 0800 0480 0200 0650 0980 = AR	CW	(AB-ROU)
----	6-1	0804	Wed	4735	VVVVV PROMRÖ = 06 01 = 1000 0600 0650 0810 1220 ... 0800 0480 0520 0650 0980 = AR	CW	(AB-ROU)
----	7-1	0805	Thu	4735	VVVVV PROMRÖ = 0701 = 1000 0610 0660 0820 1230 ... 0800 0480 0520 0650 0970 = AR	CW	(AB-ROU)
----	8-1	0800	Fri	4735	VVVVV PROMRÖ = 0801 = unreadable	CW	(AB-ROU)
----	10-1	0800	Sun	4735	VVV PROMRÖ = 10 01 = (unreadable)	CW	(AB-ROU)
----	12-1	0801	Tue	4735	VVVVV PROMRÖ = 12 01 = 1000 0580 0630 0790 1190 ... 0800 0450 0490 0610 0930 = AR	CW	(AB-GRC)
----	14-1	0805	Thu	4735	VVV VVV PROMRÖ = 14 01 = 1000 0580 0630 0780 1190 ... 0800 0440 0480 0600 0910 = AR	CW	(AB-ROU)
----	15-1	0800	Fri	4735	VVVVV PROMRÖ = 15 01 = 1000 0570 0620 0780 1180 ... 0800 0440 0470 0590 0900 = AR	CW	(AB-ROU)
----	19-1	0803	Tue	4735	VVVVV PROMRÖ = 1901 = 1000 0570 0630 0780 1180 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-ROU)
----	21-1	0800	Thu	4735	VVVVV PROMRÖ = 2101 = 1000 0580 0630 0790 1190 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-ROU)
----	24-1	0800	Sun	4735	VVVVV PROMRÖ = 2401 = 1000 0580 0630 0780 1180 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-ROU)
----	25-1	0800	Mon	4735	VVVVV PROMRÖ = 25 01 = 1000 0580 0630 0780 1180 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-ROU)
----	26-1	0800	Tue	4735	VVV VVV PROMRÖ = 26 01 = 1000 0580 0630 0780 1180 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-GRC)
----	27-1	0800	Wed	4375	VVVVV PROMRÖ = 2701 = 1000 0570 0620 0780 1170 ... 0800 0440 0480 0600 0900 = AR	CW	(AB-ROU)
----	28-1	0800	Thu	4735	VVVVV PROMRÖ = 28 01 = 1000 0570 0620 0780 1180 ... 0800 0440 0480 0600 0900 = ABV = AR	CW	(AB-ROU)
DPRK	1-1	0700	Fri	12203	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	1-1	0700	Fri	12208	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-1	1200	Thu	12208	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-1	1200	Thu	12223	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	19-1	1217	Tue	12208	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	21-1	0819	Thu	11164	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-1	0842	Mon	13980	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	7-1	0600	Thu	13945	139 607 52 96873 22515 80770 ... 68625 96078 48513 607 52 00000	USB	(AB-RUS)
E06	7-1	0700	Thu	16350	139 607 52 96873 22515 80770 ... 68625 96078 48513 607 52 00000	USB	(AB-RUS)
E06	8-1	0600	Fri	13945	139 607 52 96873 22515 80770 ... 68625 96078 48513 607 52 00000	USB	(AB-RUS)
E06	8-1	0700	Fri	16350	139 607 52 96873 22515 80770 ... 68625 96078 48513 607 52 00000	USB	(AB-RUS)
E06	21-1	0600	Thu	13945	139 428 56 35650 49024 03507 ... 59681 79715 23335 428 56 00000	USB	(AB-RUS)
E06	21-1	0700	Thu	16350	139 428 56 35650 49024 03507 ... 59681 79715 23335 428 56 00000	USB	(AB-RUS)
E06	22-1	0600	Fri	13945	139 428 56 35650 49024 03507 ... 59681 79715 23335 428 56 00000	USB	(AB-RUS/HFD)
E06	22-1	0700	Fri	16350	139 428 56 35650 49024 03507 ... 59681 79715 23335 428 56 00000	USB	(AB-RUS/HFD)
E07	1-1	0700	Fri	14472	492 492 492 000	USB	(AB)
E07	1-1	0720	Fri	14972	492 492 492 000	USB	(AB)
E07	2-1	1400	Sat	10323	310 310 310 000	USB	(AB/MPJ/HFD)
E07	2-1	1410	Sat	11593	916 916 916 000	USB	(AB/MPJ/HFD)
E07	2-1	1420	Sat	9123	310 310 310 000	USB	(AB/MPJ/HFD)
E07	2-1	1430	Sat	10293	916 916 916 000	USB	(AB/MPJ/HFD)
E07	3-1	0700	Sun	9326	345 345 345 000	USB	(AB/HFD)
E07	3-1	0720	Sun	10426	345 345 345 000	USB	(AB/PP1/HFD)
E07	3-1	1800	Sun	6963	987 987 987 000	USB	(AB/HFD)
E07	3-1	1820	Sun	5863	987 987 987 000	USB	(AB/HFD)
E07	4-1	2000	Mon	6776	770 770 770 000	USB	(AB/HFD)
E07	4-1	2020	Mon	5767	770 770 770 000	USB	(AB/PP1/HFD)
E07	5-1	0700	Tue	14472	492 492 492 000	USB	(AB/HFD)
E07	5-1	0720	Tue	14972	492 492 492 000	USB	(AB/HFD)
E07	6-1	1800	Wed	6963	987 987 987 000	USB	(AB/MPJ)
E07	6-1	1820	Wed	5863	987 987 987 000	USB	(AB/MPJ)
E07	6-1	2000	Wed	6776	770 770 770 000	USB	(AB)
E07	6-1	2020	Wed	5767	770 770 770 000	USB	(AB)
E07	7-1	1410	Thu	11593	916 916 916 000	USB	(AB/MPJ)
E07	7-1	1430	Thu	10293	916 916 916 000	USB	(AB/MPJ)
E07	8-1	0700	Fri	14472	492 492 492 000	USB	(AB)
E07	8-1	0720	Fri	14972	492 492 492 000	USB	(AB)
E07	9-1	1400	Sat	10323	310 310 310 000	USB	(AB/MPJ)
E07	9-1	1410	Sat	11593	916 916 916 000	USB	(AB/MPJ)
E07	9-1	1420	Sat	9123	310 310 310 000	USB	(AB/GHn/MPJ)
E07	9-1	1430	Sat	10293	916 916 916 000	USB	(AB/MPJ)
E07	10-1	0700	Sun	9326	345 345 345 000	USB	(AB)
E07	10-1	0720	Sun	10426	345 345 345 000	USB	(AB)
E07	10-1	1800	Sun	6963	987 987 987 000	USB	(AB)
E07	10-1	1820	Sun	5863	987 987 987 000	USB	(AB)
E07	11-1	2000	Mon	6776	770 770 770 000	USB	(AB)
E07	11-1	2020	Mon	5767	770 770 770 000	USB	(AB)
E07	12-1	0700	Tue	14472	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB-KWT)

E07	12-1	0720	Tue	14972	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB-IND)
E07	12-1	0740	Tue	16272	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB-RUS)
E07	13-1	1800	Wed	6963	987 987 987 000	USB	(AB)
E07	13-1	1820	Wed	5863	987 987 987 000	USB	(AB)
E07	13-1	2000	Wed	6776	770 770 770 000	USB	(AB)
E07	13-1	2020	Wed	5767	770 770 770 000	USB	(AB)
E07	14-1	1410	Thu	11593	916 916 916 000	USB	(AB/MPJ)
E07	14-1	1430	Thu	10293	916 916 916 000	USB	(AB/MPJ)
E07	15-1	0700	Fri	14472	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB)
E07	15-1	0720	Fri	14972	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB)
E07	15-1	0740	Fri	16272	492 492 492 1 370 58 370 58 84157 36386 27797 ... 87604 71879 54383 000 000	USB	(AB)
E07	16-1	1400	Sat	10323	310 310 310 000	USB	(AB/MPJ)
E07	16-1	1410	Sat	11593	916 916 916 000	USB	(AB/MPJ)
E07	16-1	1420	Sat	9123	310 310 310 000	USB	(AB/MPJ)
E07	16-1	1430	Sat	10293	916 916 916 000	USB	(AB/MPJ)
E07	17-1	0700	Sun	9326	345 345 345 000	USB	(AB)
E07	17-1	0720	Sun	10426	345 345 345 000	USB	(AB)
E07	17-1	1800	Sun	6963	987 987 987 000	USB	(AB/MPJ)
E07	17-1	1820	Sun	5863	987 987 987 000	USB	(AB)
E07	18-1	2000	Mon	6776	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	18-1	2020	Mon	5767	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	18-1	2040	Mon	5067	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	19-1	0700	Tue	14472	492 492 492 000	USB	(AB)
E07	19-1	0720	Tue	14972	492 492 492 000	USB	(AB)
E07	20-1	1800	Wed	6963	987 987 987 000	USB	(AB)
E07	20-1	1820	Wed	5863	987 987 987 000	USB	(AB)
E07	20-1	2000	Wed	6776	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	20-1	2020	Wed	5767	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	20-1	2040	Wed	5067	770 770 770 1 692 112 692 112 56253 00975 08365 ... 88445 49340 07216 000 000	USB	(AB)
E07	21-1	1410	Thu	11593	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	21-1	1430	Thu	10293	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	21-1	1450	Thu	9293	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	22-1	0700	Fri	14472	492 492 492 000	USB	(AB)
E07	22-1	0720	Fri	14972	492 492 492 000	USB	(AB)
E07	23-1	1400	Sat	10323	310 310 310 000	USB	(AB/MPJ/RL)
E07	23-1	1410	Sat	11593	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	23-1	1420	Sat	9123	310 310 310 000	USB	(AB/MPJ/RL)
E07	23-1	1430	Sat	10293	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	23-1	1450	Sat	9293	916 916 916 1 9664 35 9664 35 84748 90431 26132 ... 00859 12523 46867 000 000	USB	(AB/MPJ)
E07	24-1	0700	Sun	9326	345 345 345 000	USB	(AB)
E07	24-1	0720	Sun	10426	345 345 345 000	USB	(AB)
E07	24-1	1800	Sun	6963	987 987 987 000	USB	(AB)
E07	24-1	1820	Sun	5863	987 987 987 000	USB	(AB)
E07	25-1	2000	Mon	6776	770 770 770 000	USB	(AB)
E07	25-1	2020	Mon	5767	770 770 770 000	USB	(AB/RL)
E07	26-1	0700	Tue	14472	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)
E07	26-1	0720	Tue	14972	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)

E07	26-1	0740	Tue	16272	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)
E07	27-1	1800	Wed	6963	987 987 987 000	USB	(AB/MPJ)
E07	27-1	1820	Wed	5863	987 987 987 000	USB	(AB/MPJ)
E07	27-1	2000	Wed	6776	770 770 770 000	USB	(AB)
E07	27-1	2020	Wed	5767	770 770 770 000	USB	(AB)
E07	28-1	1410	Thu	11593	916 916 916 000	USB	(AB/MPJ)
E07	28-1	1430	Thu	10293	916 916 916 000	USB	(AB/MPJ)
E07	29-1	0700	Fri	14472	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)
E07	29-1	0720	Fri	14972	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)
E07	29-1	0740	Fri	16272	492 492 492 1 398 58 398 58 82703 65490 31700 ... 73987 92037 54062 000 000	USB	(AB)
E07	30-1	1400	Sat	10323	310 310 310 000	USB	(AB/MPJ)
E07	30-1	1410	Sat	11593	916 916 916 000	USB	(AB/MPJ)
E07	30-1	1420	Sat	9123	310 310 310 000	USB	(AB/MPJ)
E07	30-1	1430	Sat	10293	916 916 916 000	USB	(AB/MPJ)
E07	31-1	0700	Sun	9326	345 345 345 000	USB	(AB/F5JBR-J)
E07	31-1	0720	Sun	10426	345 345 345 000	USB	(AB)
E07	31-1	1800	Sun	6963	987 987 987 000	USB	(AB)
E07	31-1	1820	Sun	5863	987 987 987 000	USB	(AB)
E07a	1-1	1610	Fri	7632	688 688 688 000	USB	(AB/MPJ/HFD)
E07a	1-1	1630	Fri	6832	688 688 688 000	USB	(AB/MPJ/HFD)
E07a	2-1	0900	Sat	11123	114 114 114 000	USB	(AB/HFD)
E07a	2-1	0920	Sat	12123	114 114 114 000	USB	(AB/HFD)
E07a	6-1	2100	Wed	5877	825 825 825 000	USB	(AB/RL)
E07a	6-1	2120	Wed	5277	825 825 825 000	USB	(AB/RL)
E07a	7-1	0530	Thu	5111	189 189 189 000	USB	(AB)
E07a	7-1	0550	Thu	5811	189 189 189 000	USB	(AB)
E07a	8-1	1610	Fri	7632	688 688 688 000	USB	(AB/GHn/MPJ)
E07a	8-1	1630	Fri	6832	688 688 688 000	USB	(AB/MPJ)
E07a	9-1	0900	Sat	11123	114 114 114 000	USB	(AB)
E07a	9-1	0920	Sat	12123	114 114 114 000	USB	(AB/MPJ)
E07a	13-1	2100	Wed	5877	825 825 825 000	USB	(AB/RL)
E07a	13-1	2120	Wed	5277	825 825 825 000	USB	(AB/RL)
E07a	14-1	0530	Thu	5111	189 189 189 000	USB	(AB)
E07a	14-1	0550	Thu	5811	189 189 189 000	USB	(AB)
E07a	15-1	1610	Fri	7632	688 688 688 000	USB	(AB/GHn/MPJ)
E07a	15-1	1630	Fri	6832	688 688 688 000	USB	(AB/MPJ)
E07a	16-1	0900	Sat	11123	114 114 114 000	USB	(AB)
E07a	16-1	0920	Sat	12123	114 114 114 000	USB	(AB)
E07a	20-1	2100	Wed	5877	825 825 825 000	USB	(AB/RL)
E07a	20-1	2120	Wed	5277	825 825 825 000	USB	(AB)
E07a	21-1	0530	Thu	5111	189 189 189 000	USB	(AB)
E07a	21-1	0550	Thu	5811	189 189 189 000	USB	(AB)
E07a	22-1	1610	Fri	7632	688 688 688 000	USB	(AB/MPJ)
E07a	22-1	1630	Fri	6832	688 688 688 000	USB	(AB/MPJ)
E07a	23-1	0900	Sat	11123	114 114 114 000	USB	(AB/RL)
E07a	23-1	0920	Sat	12123	114 114 114 000	USB	(AB/RL)
E07a	27-1	2100	Wed	5877	825 825 825 000	USB	(AB)

E07a	27-1	2120	Wed	5277	825 825 825 000	USB	(AB/RL)
E07a	28-1	0530	Thu	5111	189 189 189 000	USB	(AB)
E07a	28-1	0550	Thu	5811	189 189 189 000	USB	(AB)
E07a	29-1	1610	Fri	7632	688 688 688 000	USB	(AB/GHn/MPJ)
E07a	29-1	1630	Fri	6832	688 688 688 000	USB	(AB/MPJ/RL)
E07a	30-1	0900	Sat	11123	114 114 114 000	USB	(AB)
E07a	30-1	0920	Sat	12123	114 114 114 000	USB	(AB)
E11	1-1	0700	Fri	6804	575/00	USB	(AB)
E11	1-1	0745	Fri	17378	348/00	USB	(AB-POL)
E11	1-1	0820	Fri	5149	438/00	USB	(AB)
E11	1-1	0830	Fri	12424	188/00	USB	(AB)
E11	1-1	1000	Fri	8597	308/00	USB	(AB)
E11	1-1	1530	Fri	5082	525/00	USB	(AB/GHn/MPJ)
E11	1-1	1650	Fri	6849	927/00	USB	(AB/MPJ)
E11	1-1	1910	Fri	10487	611/00	USB	(AB/MPJ)
E11	2-1	0710	Sat	4505	495/00	USB	(AB)
E11	2-1	0805	Sat	4909	314/00	USB	(AB)
E11	2-1	1345	Sat	13363	919/00	USB	(AB/MPJ)
E11	2-1	1705	Sat	4505	390/00	USB	(AB/GHn/MPJ)
E11	2-1	1930	Sat	4909	363/00	USB	(AB/MPJ)
E11	3-1	0710	Sun	4505	490/00	USB	(AB)
E11	3-1	0805	Sun	4909	312/00	USB	(AB)
E11	3-1	1605	Sun	5344	230/00	USB	(AB)
E11	3-1	1625	Sun	5082	974/00	USB	(AB)
E11	3-1	1650	Sun	6849	925/00	USB	(AB)
E11	3-1	1745	Sun	12924	240/00	USB	(AB-POL)
E11	3-1	1910	Sun	10487	613/00	USB	(AB-POL)
E11	3-1	1930	Sun	4909	369/00	USB	(AB)
E11	4-1	0640	Mon	11450	948/00	USB	(AB)
E11	4-1	0745	Mon	10213	260/00	USB	(AB)
E11	4-1	0830	Mon	12424	189/00	USB	(AB-POL)
E11	4-1	0845	Mon	12067	714/00	USB	(AB-POL)
E11	4-1	0900	Mon	8597	534/00	USB	(AB)
E11	4-1	1045	Mon	7984	698/00	USB	(AB)
E11	4-1	1530	Mon	5082	520/00	USB	(AB/GHn/PP1/MPJ)
E11	4-1	1745	Mon	12924	242/00	USB	(AB-POL/MPJ)
E11	5-1	0315	Tue	5779	259/00	USB	(AB)
E11	5-1	0645	Tue	7840	517/00	USB	(AB)
E11	5-1	0700	Tue	6804	574/00	USB	(AB)
E11	5-1	0715	Tue	9130	636/00	USB	(AB)
E11	5-1	1345	Tue	13363	914/00	USB	(AB/MPJ)
E11	5-1	1605	Tue	5344	235/00	USB	(AB/MPJ)
E11	6-1	0640	Wed	11450	941/00	USB	(AB)
E11	6-1	0745	Wed	17378	342/00	USB	(AB-POL)
E11	6-1	0845	Wed	12067	714/00	USB	(AB)
E11	6-1	0900	Wed	8597	536/00	USB	(AB)
E11	6-1	0930	Wed	7469	275/00	USB	(AB)

E11	6-1	1045	Wed	7984	694/00	USB	(AB)
E11	6-1	1625	Wed	5082	974/00	USB	(AB/GHn/MPJ)
E11	6-1	1705	Wed	4505	390/00	USB	(AB/PP1)
E11	7-1	0315	Thu	5779	256/00	USB	(AB)
E11	7-1	0645	Thu	7840	511/00	USB	(AB)
E11	7-1	0930	Thu	7469	278/00	USB	(AB)
E11	7-1	1530	Thu	5409	264/00	USB	(AB/GHn/MPJ)
E11	8-1	0435	Fri	6280	351/00	USB	(AB-POL)
E11	8-1	0700	Fri	6804	570/00	USB	(AB)
E11	8-1	0715	Fri	9130	633/00	USB	(AB/PP1)
E11	8-1	0745	Fri	17378	348/00	USB	(AB-POL)
E11	8-1	0830	Fri	12424	188/00	USB	(AB)
E11	8-1	1530	Fri	5082	525/00	USB	(AB/MPJ)
E11	8-1	1650	Fri	6849	929/00	USB	(AB/MPJ)
E11	9-1	0805	Sat	4909	315/00	USB	(AB)
E11	9-1	1345	Sat	13363	915/00	USB	(AB/GHn/MPJ)
E11	9-1	1705	Sat	4505	395/00	USB	(AB/GHn/MPJ)
E11	9-1	1930	Sat	4909	365/00	USB	(AB/MPJ)
E11	10-1	0710	Sun	4505	497/00	USB	(AB)
E11	10-1	0805	Sun	4909	316/00	USB	(AB)
E11	10-1	1605	Sun	5344	236/00	USB	(AB/MPJ)
E11	10-1	1625	Sun	5082	977/00	USB	(AB/MPJ)
E11	10-1	1650	Sun	6849	922/00	USB	(AB/MPJ)
E11	10-1	1745	Sun	12924	245/00	USB	(AB/MPJ-POL)
E11	10-1	1930	Sun	4909	360/00	USB	(AB)
E11	11-1	0450	Mon	4909	418/00	USB	(AB)
E11	11-1	0745	Mon	10213	264/00	USB	(AB)
E11	11-1	0830	Mon	12424	185/00	USB	(AB)
E11	11-1	0845	Mon	12067	713/00	USB	(AB)
E11	11-1	0900	Mon	8597	537/00	USB	(AB)
E11	11-1	1530	Mon	5082	525/00	USB	(AB/MPJ)
E11	11-1	1745	Mon	12924	244/00	USB	(AB/MPJ)
E11	11-1	1900	Mon	6849	643/00	USB	(AB/MPJ)
E11	12-1	0700	Tue	6804	577/00	USB	(AB)
E11	12-1	0745	Tue	13908	224/00	USB	(AB)
E11	12-1	0820	Tue	14611	136/00	USB	(AB)
E11	12-1	0845	Tue	12089	156/00	USB	(AB)
E11	12-1	1000	Tue	8597	305/00	USB	(AB)
E11	12-1	1205	Tue	6433	465/00	USB	(AB/FT)
E11	12-1	1605	Tue	5344	236/00	USB	(AB/GHn/MPJ)
E11	13-1	0820	Wed	14611	135/00	USB	(AB-POL)
E11	13-1	0845	Wed	12067	716/00	USB	(AB-POL)
E11	13-1	0900	Wed	8597	536/00	USB	(AB)
E11	13-1	0930	Wed	7469	275/00	USB	(AB)
E11	13-1	1205	Wed	6433	463/00	USB	(AB/MPJ)
E11	13-1	1625	Wed	5082	975/00	USB	(AB/MPJ)
E11	13-1	1705	Wed	4505	390/00	USB	(AB/GHn/MPJ)

E11	14-1	0745	Thu	13908	224/00	USB	(AB)
E11	14-1	0820	Thu	5149	432/00	USB	(AB)
E11	14-1	0845	Thu	12089	151/00	USB	(AB)
E11	14-1	0930	Thu	7469	275/00	USB	(AB)
E11	14-1	1530	Thu	5409	262/00	USB	(AB/GHn/MPJ)
E11	14-1	1730	Thu	5779	412/00	USB	(AB/MPJ)
E11	14-1	1900	Thu	6849	644/00	USB	(AB/MPJ)
E11	15-1	0700	Fri	6804	570/00	USB	(AB)
E11	15-1	0820	Fri	5149	439/00	USB	(AB)
E11	15-1	0830	Fri	12424	180/00	USB	(AB)
E11	15-1	1000	Fri	8597	304/00	USB	(AB)
E11	15-1	1530	Fri	5082	522/00	USB	(AB/MPJ)
E11	15-1	1910	Fri	10487	610/00	USB	(AB/MPJ)
E11	16-1	0710	Sat	4505	491/00	USB	(AB)
E11	16-1	0805	Sat	4909	312/00	USB	(AB)
E11	16-1	1705	Sat	4505	391/00	USB	(AB/GHn/MPJ)
E11	17-1	0710	Sun	4505	492/00	USB	(AB)
E11	17-1	0805	Sun	4909	313/00	USB	(AB)
E11	17-1	1605	Sun	5344	237/00	USB	(AB/MPJ)
E11	17-1	1625	Sun	5082	978/00	USB	(AB/MPJ)
E11	17-1	1745	Sun	12924	244/00	USB	(AB-POL)
E11	17-1	1910	Sun	10487	617/00	USB	(AB-POL/MPJ-POL)
E11	18-1	0450	Mon	4909	412/00	USB	(AB)
E11	18-1	0640	Mon	11450	944/00	USB	(AB)
E11	18-1	0830	Mon	12424	184/00	USB	(AB)
E11	18-1	0845	Mon	12067	711/00	USB	(AB)
E11	18-1	0900	Mon	8597	536/00	USB	(AB)
E11	18-1	1045	Mon	7984	693/00	USB	(AB)
E11	18-1	1530	Mon	5082	520/00	USB	(AB/MPJ)
E11	18-1	1900	Mon	6849	647/00	USB	(AB/MPJ)
E11	19-1	0645	Tue	7840	510/00	USB	(AB)
E11	19-1	0715	Tue	9130	631/00	USB	(AB)
E11	19-1	0745	Tue	13908	227/00	USB	(AB)
E11	19-1	0820	Tue	14611	132/00	USB	(AB)
E11	19-1	0845	Tue	12089	157/00	USB	(AB)
E11	19-1	1000	Tue	8597	305/00	USB	(AB)
E11	19-1	1205	Tue	6433	465/00	USB	(AB)
E11	19-1	1345	Tue	13363	917/00	USB	(AB)
E11	19-1	1605	Tue	5344	232/00	USB	(AB/GHn/MPJ)
E11	20-1	0315	Wed	5779	258/00	USB	(AB/DM3)
E11	20-1	0640	Wed	11450	942/00	USB	(AB)
E11	20-1	0745	Wed	17378	343/00	USB	(AB-POL)
E11	20-1	0820	Wed	14611	135/00	USB	(AB)
E11	20-1	0845	Wed	12067	718/00	USB	(AB-POL)
E11	20-1	0900	Wed	8597	538/00	USB	(AB)
E11	20-1	1045	Wed	7984	697/00	USB	(AB)
E11	20-1	1205	Wed	6433	463/00	USB	(AB/MPJ)

E11	20-1	1705	Wed	4505	390/00	USB	(AB/GHn/MPJ/DM3)
E11	21-1	0315	Thu	5779	255/00	USB	(AB)
E11	21-1	0645	Thu	7840	510/00	USB	(AB)
E11	21-1	0745	Thu	13908	228/00	USB	(AB)
E11	21-1	0820	Thu	5149	436/00	USB	(AB)
E11	21-1	0845	Thu	12089	156/00	USB	(AB)
E11	21-1	1730	Thu	5779	414/00	USB	(AB/MPJ)
E11	21-1	1900	Thu	6849	649/00	USB	(AB/MPJ/RL)
E11	22-1	0435	Fri	6280	355/00	USB	(AB)
E11	22-1	0745	Fri	17378	340/00	USB	(AB)
E11	22-1	0820	Fri	5149	432/00	USB	(AB)
E11	22-1	0830	Fri	12424	182/00	USB	(AB)
E11	22-1	1000	Fri	8597	302/00	USB	(AB)
E11	22-1	1530	Fri	5082	522/00	USB	(AB/GHn/MPJ)
E11	22-1	1650	Fri	6849	926/00	USB	(AB/MPJ)
E11	22-1	1910	Fri	10487	618/00	USB	(AB/MPJ)
E11	23-1	0710	Sat	4505	490/00	USB	(AB)
E11	23-1	1345	Sat	13363	916/00	USB	(MPJ)
E11	23-1	1705	Sat	4505	399/00	USB	(MPJ)
E11	23-1	1930	Sat	4909	363/00	USB	(AB/MPJ)
E11	24-1	0710	Sun	4505	490/00	USB	(AB)
E11	24-1	1605	Sun	5344	230/00	USB	(AB/GHn/MPJ)
E11	24-1	1650	Sun	6849	927/00	USB	(AB/MPJ)
E11	24-1	1910	Sun	10487	612/00	USB	(MPJ)
E11	24-1	1930	Sun	4909	367/00	USB	(AB/MPJ)
E11	25-1	0450	Mon	4909	418/00	USB	(AB)
E11	25-1	0640	Mon	11450	946/00	USB	(AB)
E11	25-1	0745	Mon	10213	266/00	USB	(AB)
E11	25-1	1045	Mon	7984	696/00	USB	(AB)
E11	25-1	1745	Mon	12924	246/00	USB	(AB-POL/MPJ)
E11	25-1	1900	Mon	6849	649/00	USB	(AB/MPJ/RL)
E11	26-1	0645	Tue	7840	511/00	USB	(AB)
E11	26-1	0700	Tue	6804	575/00	USB	(AB)
E11	26-1	0715	Tue	9130	636/00	USB	(AB)
E11	26-1	0745	Tue	13908	227/00	USB	(AB)
E11	26-1	0820	Tue	14611	130/00	USB	(AB)
E11	26-1	0845	Tue	12089	151/00	USB	(AB)
E11	26-1	1000	Tue	8597	300/00	USB	(AB)
E11	26-1	1205	Tue	6433	464/00	USB	(AB)
E11	26-1	1345	Tue	13363	914/00	USB	(AB/MPJ)
E11	27-1	0640	Wed	11450	940/00	USB	(AB)
E11	27-1	0745	Wed	17378	347/00	USB	(AB)
E11	27-1	0820	Wed	14611	131/00	USB	(AB)
E11	27-1	0930	Wed	7469	276/00	USB	(AB)
E11	27-1	1045	Wed	7984	690/00	USB	(AB)
E11	27-1	1205	Wed	6433	464/00	USB	(AB/MPJ)
E11	27-1	1625	Wed	5082	976/00	USB	(AB/MPJ)

E11	28-1	0315	Thu	5779	256/00	USB	(AB)
E11	28-1	0645	Thu	7840	519/00	USB	(AB)
E11	28-1	0745	Thu	13908	227/00	USB	(AB)
E11	28-1	0820	Thu	5149	435/00	USB	(AB)
E11	28-1	0845	Thu	12089	157/00	USB	(AB)
E11	28-1	0930	Thu	7469	271/00	USB	(AB)
E11	28-1	1530	Thu	5409	266/00	USB	(AB/GHn/MPJ)
E11	28-1	1730	Thu	5779	410/00	USB	(MPJ)
E11	28-1	1900	Thu	6849	648/00	USB	(MPJ)
E11	29-1	0700	Fri	6804	570/00	USB	(AB)
E11	29-1	0715	Fri	9130	639/00	USB	(AB)
E11	29-1	0745	Fri	17378	348/00	USB	(AB)
E11	29-1	0820	Fri	5149	432/00	USB	(AB)
E11	29-1	1000	Fri	8597	302/00	USB	(AB)
E11	29-1	1650	Fri	6849	921/00	USB	(AB/MPJ/RL)
E11	29-1	1910	Fri	10487	618/00	USB	(AB)
E11	30-1	0805	Sat	4909	313/00	USB	(AB)
E11	30-1	1345	Sat	13363	915/00	USB	(AB/MPJ)
E11	30-1	1930	Sat	4909	364/00	USB	(AB/MPJ)
E11	31-1	0805	Sun	4909	312/00	USB	(AB)
E11	31-1	1625	Sun	5082	974/00	USB	(AB/MPJ)
E11	31-1	1650	Sun	6849	921/00	USB	(AB)
E11	31-1	1745	Sun	12924	246/00	USB	(AB-POL/MPJ)
E11	31-1	1910	Sun	10487	618/00	USB	(AB-POL/MPJ-JPL)
E11	31-1	1930	Sun	4909	367/00	USB	(AB/MPJ)
E11a	4-1	0450	Mon	4909	412/39 Attention 79022 46058 98561 ... 97243 90357 20009 Attention (message repeated) Out	USB	(AB-POL)
E11a	4-1	1900	Mon	6849	644/33 Attention 01293 77389 44546 ... 09960 30846 61250Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5-1	0745	Tue	13908	223/34 Attention 30342 88250 18654 ... 51152 80706 51377 Attention (message repeated) Out	USB	(AB-POL)
E11a	5-1	0820	Tue	14611	133/34 Attention 76872 10643 52405 ... 02311 98469 96416 Attention (message repeated) Out	USB	(AB-POL)
E11a	5-1	0845	Tue	12089	156/24 Attention 45434 01779 71912 ... 83550 66921 79327 Attention (message repeated) Out	USB	(AB)
E11a	5-1	1000	Tue	8597	306/32 Attention 95095 15195 12863 ... 16260 75396 37574 Attention (message repeated) Out	USB	(AB)
E11a	5-1	1205	Tue	6433	469/31 Attention 03409 53295 64307 ... 33048 30172 09476 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6-1	0820	Wed	14611	133/34 Attention 76872 10643 52405 ... 02311 98469 96416 Attention (message repeated) Out	USB	(AB-POL)
E11a	6-1	1205	Wed	6433	469/31 Attention 03409 53295 64307 ... 33048 30172 09476 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7-1	0745	Thu	13908	223/34 Attention 30342 88250 18654 ... 51152 80706 51377 Attention (message repeated) Out	USB	(AB)
E11a	7-1	0820	Thu	5149	435/39 Attention 85883 75771 45534 ... 74149 46942 82899 Attention (message repeated) Out	USB	(AB)
E11a	7-1	0845	Thu	12089	156/24 Attention 45434 01779 71912 ... 83550 66921 79327 Attention (message repeated) Out	USB	(AB)
E11a	7-1	1730	Thu	5779	412/39 Attention 79022 46058 98561 ... 97243 90357 20009 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7-1	1900	Thu	6849	644/33 Attention 01293 77389 44546 ... 09960 30846 61250Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8-1	0820	Fri	5149	435/39 Attention 85883 75771 45534 ... 74149 46942 82899 Attention (message repeated) Out	USB	(AB)
E11a	8-1	1000	Fri	8597	306/32 Attention 95095 15195 12863 ... 16260 75396 37574 Attention (message repeated) Out	USB	(AB)
E11a	8-1	1910	Fri	10487	618/33 Attention 84762 45504 64630 ... 18133 78368 06203 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10-1	1910	Sun	10487	618/33 Attention 84762 45504 64630 ... 18133 78368 06203 Attention (message repeated) Out	USB	(MPJ-POL)
E11a	11-1	0640	Mon	11450	942/37 Attention 72038 94701 47129 ... 71004 54102 33039 Attention (message repeated) Out	USB	(AB)
E11a	11-1	1045	Mon	7984	690/35 Attention 24571 23645 17248 ... 65463 56484 89358 Attention (repeat message) Out	USB	(AB)
E11a	12-1	0715	Tue	9130	639/35 Attention 56972 66347 37730 ... 27319 14674 89159 Attention (message repeated) Out	USB	(AB)
E11a	12-1	1345	Tue	13363	910/32 Attention 16242 55457 51689 ... 40471 84032 97272 Attention (message repeated) Out	USB	(AB/MPJ)

E11a	13-1	0640	Wed	11450	942/37 Attention 72038 94701 47129 ... 71004 54102 33039 Attention (message repeated) Out	USB	(AB)
E11a	13-1	0745	Wed	17378	344/34 Attention 72609 06086 53722 ... 01996 48584 41067 Attention (repeat message) Out	USB	(AB-POL)
E11a	13-1	1045	Wed	7984	690/35 Attention 55082 67661 77867 ... 05518 71844 04924 Attention (message repeated) Out. Note: not the repeat of 11 Jan	USB	(AB)
E11a	14-1	0645	Thu	7840	514/34 Attention 17532 93604 81373 .. 56193 59679 52354 Attention (message repeated) Out	USB	(AB)
E11a	15-1	0715	Fri	9130	639/35 Attention 56972 66347 37730 ... 27319 14674 89159 Attention (message repeated) Out	USB	(AB)
E11a	15-1	0745	Fri	17378	344/34 Attention 72609 06086 53722 ... 01996 48584 41067 Attention (repeat message) Out	USB	(AB-POL)
E11a	15-1	1650	Fri	6849	926/31 Attention 34962 37079 44609 ... 78045 98118 78996 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	16-1	1345	Sat	13363	910/32 Attention 16242 55457 51689 ... 40471 84032 97272 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	16-1	1930	Sat	4909	367/39 Attention 16172 25727 86507 ... 26328 74262 69993 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	17-1	1650	Sun	6849	926/31 Attention 34962 37079 44609 ... 78045 98118 78996 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	17-1	1930	Sun	4909	367/39 Attention 16172 25727 86507 ... 26328 74262 69993 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	18-1	0745	Mon	10213	260/39 Attention 83834 26322 28768 ... 83643 35193 42237 Attention (message repeated) Out	USB	(AB)
E11a	18-1	1745	Mon	12924	244/34 Attention 27993 66529 66748 ... 02595 48010 99264 Attention (message repeated) Out	USB	(AB-POL/MPJ-POL)
E11a	19-1	0700	Tue	6804	577/39 Attention 51153 91779 68686 ... 68005 75260 03576 Attention (message repeated) Out	USB	(AB)
E11a	20-1	0930	Wed	7469	270/37 Attention 82756 59811 27453 ... 89380 42183 61732 Attention (message repeated) Out	USB	(AB)
E11a	20-1	1625	Wed	5082	974/38 Attention 25102 72135 94537 ... 61095 52444 93770 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	21-1	0930	Thu	7469	270/37 Attention 82756 59811 27453 ... 89380 42183 61732 Attention (message repeated) Out	USB	(AB)
E11a	21-1	1530	Thu	5409	260/39 Attention 83834 26322 28768 ... 83643 35193 42237 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	22-1	0700	Fri	6804	577/39 Attention 51153 91779 68686 ... 68005 75260 03576 Attention (message repeated) Out	USB	(AB)
E11a	23-1	0805	Sat	4909	316/39 Attention 64643 57292 30214 ... 92544 16212 34583 Attention (message repeated) Out	USB	(AB)
E11a	24-1	0805	Sun	4909	316/39 Attention 64643 57292 30214 ... 92544 16212 34583 Attention (message repeated) Out	USB	(AB)
E11a	24-1	1625	Sun	5082	974/38 Attention 25102 72135 94537 ... 61095 52444 93770 Attention (message repeated) Out	USB	(AB)
E11a	24-1	1745	Sun	12924	244/34 Attention 27993 66529 66748 ... 02595 48010 99264 Attention (message repeated) Out	USB	(AB-POL/MPJ-POL)
E11a	25-1	0830	Mon	12424	183/39 Attention 33628 25769 21012 ... 10741 98089 63484 Attention (message repeated) Out	USB	(AB)
E11a	25-1	0845	Mon	12067	713/32 Attention 17848 32076 75708 ... 29352 80590 17546 Attention (message repeated) Out	USB	(AB)
E11a	25-1	0900	Mon	8597	536/37 Attention 17098 62899 97191 ... 69388 40011 16558 Attention (message repeated) Out	USB	(AB)
E11a	25-1	1530	Mon	5082	522/35 Attention 53010 21200 71449 ... 89817 88945 62474 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	25-1	1920	Mon	4146	121/25 Attention 52154 86325 89012 ... 45896 35836 58742 Attention (message repeated) Out	USB	(Danix)
E11a	25-1	1940	Mon	4242	121/25 Attention 25489 65213 65874 ... 98563 01254 85630 Attention (message repeated) Out	USB	(Danix)
E11a	25-1	2000	Mon	4505	121/25 Attention 25489 63201 24875 ... 36548 79601 23501 Attention (message repeated) Out	USB	(Danix)
E11a	26-1	1605	Tue	5344	238/34 Attention 76701 47293 88052 ... 04186 05034 04205 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	26-1	1920	Tue	4505	121/25 Attention 64599 16481 06160 ... 40933 08567 65606 Attention (message repeated) Out	USB	(Danix)
E11a	26-1	1940	Tue	4242	121/25 Attention 00987 09870 63769 ... 73467 57648 93290 Attention (message repeated) Out	USB	(Danix)
E11a	26-1	2000	Tue	4146	121/25 Attention 99475 36749 86739 ... 34997 65334 96903 Attention (message repeated) Out	USB	(Danix)
E11a	27-1	0845	Wed	12067	713/32 Attention 17848 32076 75708 ... 29352 80590 17546 Attention (message repeated) Out	USB	(AB-POL)
E11a	27-1	0900	Wed	8597	536/37 Attention 17098 62899 97191 ... 69388 40011 16558 Attention (message repeated) Out	USB	(AB)
E11a	27-1	1705	Wed	4505	391/33 Attention 09739 04427 75653 ... 58282 52642 88487 Attention (message repeated) Out	USB	(AB)
E11a	29-1	0830	Fri	12424	183/39 Attention 33628 25769 21012 ... 10741 98089 63484 Attention (message repeated) Out	USB	(AB)
E11a	29-1	1530	Fri	5082	522/35 Attention 53010 21200 71449 ... 89817 88945 62474 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	30-1	0710	Sat	4505	497/34 Attention 42046 02936 36829 ... 71313 47348 85683 Attention (message repeated) Out	USB	(AB)
E11a	30-1	1705	Sat	4505	391/33 Attention 09739 04427 75653 ... 58282 52642 88487 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	31-1	0710	Sun	4505	497/34 Attention 42046 02936 36829 ... 71313 47348 85683 Attention (message repeated) Out	USB	(AB)
E11a	31-1	1605	Sun	5344	238/34 Attention 76701 47293 88052 ... 04186 05034 04205 Attention (message repeated) Out	USB	(AB/MPJ)
E17z	7-1	0800	Thu	11170	217 854 6 69856 82541 98423 79003 15452 13222 854 6 00000	USB	(AB)
E17z	7-1	0810	Thu	9820	217 854 6 69856 82541 98423 79003 15452 13222 854 6 00000	USB	(AB)
E17z	14-1	0800	Thu	11170	217 854 6 69856 82541 98423 79003 15452 13222 854 6 00000	USB	(AB)

E17z	14-1	0810	Thu	9820	217 854 6 69856 82541 98423 79003 15452 13222 854 6 00000	USB	(AB)
E17z	21-1	0800	Thu	11170	217 896 5 88620 17228 15636 47891 23227 896 5 00000	USB	(AB)
E17z	21-1	0810	Thu	9820	217 896 5 88620 17228 15636 47891 23227 896 5 00000	USB	(AB)
E17z	28-1	0800	Thu	11170	217 896 5 88620 17228 15636 47891 23227 896 5 00000	USB	(AB)
E17z	28-1	0810	Thu	9820	217 896 5 88620 17228 15636 47891 23227 896 5 00000	USB	(AB)
EGY	7-1	1255	Thu	16010	99904: MFA Cairo wkg unid embassy	CODAN	(AB)
EGY	30-1	0855	Sat	11112.7	71: MFA Cairo, 1258 groups message to Egyptian embassy Berlin	SITOR-A 100/170	(AB)
F01	1-1	1015	Fri	11079	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	1-1	1025	Fri	9162	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	1-1	1035	Fri	7509	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	1-1	2230	Fri	17411	Russian diplo/intel. Header: 11177 00116 74123 31001 02049	FSK 200/500	(Danix-USA)
F01	1-1	2240	Fri	15956	Russian diplo/intel. Header: 11177 00116 74123 31001 02049	FSK 200/500	(Danix-USA)
F01	4-1	1015	Mon	11079	Russian diplo/intel. 59345 35768 93326 ... 32704 26596 39413 00000	FSK 200/500	(AB/HFD)
F01	4-1	1025	Mon	9162	Russian diplo/intel. 59345 35768 93326 ... 32704 26596 39413 00000	FSK 200/500	(AB/HFD)
F01	4-1	1035	Mon	7509	Russian diplo/intel. 59345 35768 93326 ... 32704 26596 39413 00000	FSK 200/500	(AB/HFD)
F01	5-1	1015	Tue	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	5-1	1025	Tue	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB/PP1)
F01	5-1	1035	Tue	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	6-1	1015	Wed	11079	Russian diplo/intel. 50032 80174 07965 ... 42986 48061 42429 00000	FSK 200/500	(AB)
F01	6-1	1025	Wed	9162	Russian diplo/intel. 50032 80174 07965 ... 42986 48061 42429 00000	FSK 200/500	(AB)
F01	6-1	1035	Wed	7509	Russian diplo/intel. 50032 80174 07965 ... 42986 48061 42429 00000	FSK 200/500	(AB)
F01	6-1	1940	Wed	7629	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	6-1	1950	Wed	6783	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	6-1	2000	Wed	4034	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/RL/HFD)
F01	7-1	1015	Thu	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	7-1	1025	Thu	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	7-1	1035	Thu	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8-1	1015	Fri	11079	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8-1	1025	Fri	9162	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8-1	1035	Fri	7509	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	11-1	1015	Mon	11079	Russian diplo/intel. 84971 87842 47048 ... 48712 40583 45433 00000	FSK 200/500	(AB)
F01	11-1	1025	Mon	9162	Russian diplo/intel. 84971 87842 47048 ... 48712 40583 45433 00000	FSK 200/500	(AB)
F01	11-1	1035	Mon	7509	Russian diplo/intel. 84971 87842 47048 ... 48712 40583 45433 00000	FSK 200/500	(AB)
F01	12-1	1015	Tue	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB/FT)
F01	12-1	1025	Tue	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB/FT)
F01	12-1	1035	Tue	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB/FT)
F01	13-1	1015	Wed	11079	Russian diplo/intel. 72747 65780 47420 ... 69233 73028 48443 00000	FSK 200/500	(AB)
F01	13-1	1025	Wed	9162	Russian diplo/intel. 72747 65780 47420 ... 69233 73028 48443 00000	FSK 200/500	(AB)
F01	13-1	1035	Wed	7509	Russian diplo/intel. 72747 65780 47420 ... 69233 73028 48443 00000	FSK 200/500	(AB)
F01	14-1	1015	Thu	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	14-1	1025	Thu	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	14-1	1035	Thu	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	15-1	1015	Fri	11079	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	15-1	1025	Fri	9162	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	15-1	1035	Fri	7509	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	18-1	1015	Mon	11079	Russian diplo/intel. 23248 98304 55149 ... 76633 37117 51415 00000	FSK 200/500	(AB)
F01	18-1	1025	Mon	9162	Russian diplo/intel. 23248 98304 55149 ... 76633 37117 51415 00000	FSK 200/500	(AB-RUS)

F01	18-1	1035	Mon	7509	Russian diplo/intel. 23248 98304 55149 ... 76633 37117 51415 00000	FSK 200/500	(AB-RUS)
F01	19-1	1015	Tue	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	19-1	1025	Tue	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	19-1	1035	Tue	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	20-1	1015	Wed	11079	Russian diplo/intel. 97377 82304 21878 ... 12155 14841 54421 00000	FSK 200/500	(AB)
F01	20-1	1025	Wed	9162	Russian diplo/intel. 97377 82304 21878 ... 12155 14841 54421 00000	FSK 200/500	(AB)
F01	20-1	1035	Wed	7509	Russian diplo/intel. 97377 82304 21878 ... 12155 14841 54421 00000	FSK 200/500	(AB)
F01	21-1	1015	Thu	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	21-1	1025	Thu	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	21-1	1035	Thu	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	22-1	1015	Fri	11079	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	22-1	1025	Fri	9162	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	22-1	1035	Fri	7509	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	25-1	1015	Mon	11079	Russian diplo/intel. 87441 34554 65705 ... 71740 05632 57441 00000	FSK 200/500	(AB)
F01	25-1	1025	Mon	9162	Russian diplo/intel. 87441 34554 65705 ... 71740 05632 57441 00000	FSK 200/500	(AB)
F01	25-1	1035	Mon	7509	Russian diplo/intel. 87441 34554 65705 ... 71740 05632 57441 00000	FSK 200/500	(AB-RUS)
F01	26-1	1015	Tue	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	26-1	1025	Tue	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	26-1	1035	Tue	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	27-1	1015	Wed	11079	Russian diplo/intel. 90208 86747 52129 ... 69987 98811 60437 00000	FSK 200/500	(AB)
F01	27-1	1025	Wed	9162	Russian diplo/intel. 90208 86747 52129 ... 69987 98811 60437 00000	FSK 200/500	(AB)
F01	27-1	1035	Wed	7509	Russian diplo/intel. 90208 86747 52129 ... 69987 98811 60437 00000	FSK 200/500	(AB)
F01	28-1	1015	Thu	11079	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	28-1	1025	Thu	9162	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	28-1	1035	Thu	7509	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	29-1	1015	Fri	11079	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	29-1	1025	Fri	9162	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	29-1	1035	Fri	7509	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F03f	4-1	0735	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	4-1	0740	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	7-1	0735	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	7-1	0740	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	11-1	0735	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	11-1	0740	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	14-1	0735	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	14-1	0740	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	18-1	0735	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	18-1	0740	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	21-1	0735	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	21-1	0740	Thu	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	25-1	0735	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	25-1	0740	Mon	8800	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03j	4-1	1030	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-1	1035	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-1	0915	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-1	0920	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-1	1030	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	6-1	1035	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-1	0915	Thu	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-1	0920	Thu	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-1	1030	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-1	1035	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	0915	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	0920	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	1030	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-1	1035	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-1	0915	Thu	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-1	0920	Thu	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-1	1030	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-1	1035	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	0915	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	0920	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	1030	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-1	1035	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-1	1030	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-1	1035	Mon	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	0915	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	0920	Wed	5946	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-1	1030	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/RL)
F03j	27-1	1035	Wed	7837	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	4-1	0630	Mon	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-1	0635	Mon	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-1	0950	Mon	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4-1	0955	Mon	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-1	0615	Tue	4909	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-1	0620	Tue	4909	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-1	0835	Tue	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5-1	0840	Tue	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0430	Wed	5737	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0435	Wed	5737	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0630	Wed	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0635	Wed	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0950	Wed	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6-1	0955	Wed	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0430	Thu	5737	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0435	Thu	5737	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0615	Thu	4909	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0620	Thu	4909	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7-1	0835	Thu	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/RL)
F03l	7-1	0840	Thu	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	11-1	0630	Mon	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	11-1	0635	Mon	13424	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	11-1	0950	Mon	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	11-1	0955	Mon	8180	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	28-1	0620	Thu	4909	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-1	0835	Thu	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(RL)
F03I	28-1	0840	Thu	14415	Polish intel.	FSK-2 100Bd/200Hz/448bp	(RL)
F06	1-1	0700	Fri	12177	Russian diplo/intel. 11166 70202 15937 01022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-1	0710	Fri	10294	Russian diplo/intel. 11166 70202 15937 01022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-1	0720	Fri	8068	Russian diplo/intel. 11166 70202 15937 01022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-1	1530	Sun	10378	Russian diplo/intel. 11166 10053 64512 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	3-1	1540	Sun	9169	Russian diplo/intel. 11166 10053 64512 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	3-1	1550	Sun	7419	Russian diplo/intel. 11166 10053 64512 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	4-1	0500	Mon	6925	Russian diplo/intel. 11166 70059 81423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	4-1	0510	Mon	5235	Russian diplo/intel. 11166 70059 81423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-1	0520	Mon	4528	Russian diplo/intel. 11166 70059 81423 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-1	0700	Mon	12177	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB)
F06	4-1	0710	Mon	10294	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB/PP1)
F06	4-1	0720	Mon	8068	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB/PP1)
F06	4-1	1200	Mon	12154	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB/MPJ)
F06	4-1	1210	Mon	10158	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB/MPJ)
F06	4-1	1220	Mon	8023	Russian diplo/intel. Header: 11166 70202 17384 04068 02479	FSK 200/1000	(AB/MPJ)
F06	5-1	0030	Tue	10164	Russian diplo/intel. 11166 60070 98530 05001 00049 00000 00000 00000 00000	DSK 200/1000	(AB)
F06	5-1	0040	Tue	8179	Russian diplo/intel. 11166 60070 98530 05001 00049 00000 00000 00000 00000	DSK 200/1000	(AB)
F06	5-1	0050	Tue	6786	Russian diplo/intel. 11166 60070 98530 05001 00049 00000 00000 00000 00000	DSK 200/1000	(AB)
F06	5-1	0700	Tue	12177	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB)
F06	5-1	0710	Tue	10294	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB)
F06	5-1	0720	Tue	8068	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB)
F06	5-1	1200	Tue	12154	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB/FT-FIN)
F06	5-1	1210	Tue	10158	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB/FT-FIN)
F06	5-1	1220	Tue	8023	Russian diplo/intel. Headers: 11166 70202 26458 04069 01699 and 11166 70202 68123 04070 02179	FSK 200/1000	(AB)
F06	5-1	1650	Tue	10383	Russian diplo/intel. 11166 10053 45689 05021 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	5-1	1700	Tue	9046	Russian diplo/intel. 11166 10053 45689 05021 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	5-1	1710	Tue	7313	Russian diplo/intel. 11166 10053 45689 05021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6-1	0600	Wed	20154	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	6-1	0610	Wed	18304	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	6-1	0620	Wed	16156	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	6-1	0700	Wed	12177	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB-POL)
F06	6-1	0710	Wed	10294	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB)
F06	6-1	0720	Wed	8068	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB)
F06	6-1	1200	Wed	12154	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB)
F06	6-1	1210	Wed	10158	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB)
F06	6-1	1220	Wed	8023	Russian diplo/intel. Header: 11166 70202 96374 05071 02559	FSK 200/1000	(AB)
F06	7-1	0600	Thu	20154	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	7-1	0610	Thu	18304	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	7-1	0620	Thu	16156	Russian diplo/intel. Header: 11166 40122 65987 02028 04709	FSK 200/1000	(AB-J)
F06	7-1	0700	Thu	12177	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB)
F06	7-1	0710	Thu	10294	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB/PP1)
F06	7-1	0720	Thu	8068	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB)
F06	7-1	1200	Thu	12154	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB/RL/MPJ)
F06	7-1	1210	Thu	10158	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB/MPJ)

F06	7-1	1220	Thu	8023	Russian diplo/intel. Headers: 11166 70202 49357 07072 01799 and 11166 70202 95287 07073 01939	FSK 200/1000	(AB/MPJ)
F06	7-1	1330	Thu	12186	Russian diplo/intel. 11166 80214 96521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7-1	1340	Thu	10243	Russian diplo/intel. 11166 80214 96521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7-1	1350	Thu	8175	Russian diplo/intel. 11166 80214 96521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8-1	0700	Fri	12177	Russian diplo/intel. 11166 70202 15937 08021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-1	0710	Fri	10294	Russian diplo/intel. 11166 70202 15937 08021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-1	0720	Fri	8068	Russian diplo/intel. 11166 70202 15937 08021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1530	Sun	10378	Russian diplo/intel. 11166 10053 74563 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1540	Sun	9169	Russian diplo/intel. 11166 10053 74563 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1550	Sun	7419	Russian diplo/intel. 11166 10053 74563 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11-1	0700	Mon	12177	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB)
F06	11-1	0710	Mon	10294	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB)
F06	11-1	0720	Mon	8068	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB)
F06	11-1	1200	Mon	12154	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB/MPJ)
F06	11-1	1210	Mon	10158	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB/MPJ)
F06	11-1	1220	Mon	8023	Russian diplo/intel. Header: 11166 70202 48597 11074 02339	FSK 200/1000	(AB/MPJ)
F06	12-1	0030	Tue	10164	Russian diplo/intel. 11166 60070 15973 12001 00049 00000 00000 00000 00000	DSK 200/1000	(AB/SP1)
F06	12-1	0040	Tue	8179	Russian diplo/intel. 11166 60070 15973 12001 00049 00000 00000 00000 00000	DSK 200/1000	(AB/SP1)
F06	12-1	0050	Tue	6786	Russian diplo/intel. 11166 60070 15973 12001 00049 00000 00000 00000 00000	DSK 200/1000	(AB/SP1)
F06	12-1	0700	Tue	12177	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB)
F06	12-1	0710	Tue	10294	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB)
F06	12-1	0720	Tue	8068	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB)
F06	12-1	1200	Tue	12154	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB/MPJ/FT)
F06	12-1	1210	Tue	10158	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB/MPJ/FT)
F06	12-1	1220	Tue	8023	Russian diplo/intel. Headers: 11166 70202 49175 11075 01739 and 11166 70202 13748 11076 02139	FSK 200/1000	(AB/MPJ/FT)
F06	12-1	1650	Tue	10383	Russian diplo/intel. 11166 10053 14789 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12-1	1700	Tue	9046	Russian diplo/intel. 11166 10053 14789 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12-1	1710	Tue	7313	Russian diplo/intel. 11166 10053 14789 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13-1	0600	Wed	20154	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-J)
F06	13-1	0610	Wed	18304	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-J)
F06	13-1	0620	Wed	16156	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-J)
F06	13-1	0700	Wed	12177	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB)
F06	13-1	0710	Wed	10294	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB)
F06	13-1	0720	Wed	8068	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB)
F06	13-1	0900	Wed	19667	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)
F06	13-1	0910	Wed	17546	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)
F06	13-1	0920	Wed	15604	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)
F06	13-1	1200	Wed	12154	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB/PP1)
F06	13-1	1210	Wed	10158	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB)
F06	13-1	1220	Wed	8023	Russian diplo/intel. Header: 11166 70202 12487 12077 02599	FSK 200/1000	(AB)
F06	14-1	0600	Thu	20154	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-PHL)
F06	14-1	0610	Thu	18304	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-J)
F06	14-1	0620	Thu	16156	Russian diplo/intel. Headers: 11166 40122 41253 09029 02729 and 11166 40122 85214 09030 02769	FSK 200/1000	(AB-J)
F06	14-1	0700	Thu	12177	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB)
F06	14-1	0710	Thu	10294	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB)
F06	14-1	0720	Thu	8068	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB)
F06	14-1	0900	Thu	19667	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)

F06	14-1	0910	Thu	17546	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)
F06	14-1	0920	Thu	15604	Russian diplo/intel. Header: 11166 00052 14789 13076 02109	FSK 200/1000	(AB)
F06	14-1	1200	Thu	12154	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB/MPJ)
F06	14-1	1210	Thu	10158	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB/MPJ)
F06	14-1	1220	Thu	8023	Russian diplo/intel. Headers: 11166 70202 38412 13078 01539 and 11166 70202 45632 13079 02079	FSK 200/1000	(AB/MPJ)
F06	14-1	1330	Thu	12186	Russian diplo/intel. 11166 80214 34289 14063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14-1	1340	Thu	10243	Russian diplo/intel. 11166 80214 34289 14063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14-1	1350	Thu	8175	Russian diplo/intel. 11166 80214 34289 14063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15-1	0700	Fri	12177	Russian diplo/intel. 11166 70202 95624 15059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-1	0710	Fri	10294	Russian diplo/intel. 11166 70202 95624 15059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-1	0720	Fri	8068	Russian diplo/intel. 11166 70202 95624 15059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-1	1530	Sun	10378	Russian diplo/intel. 11166 10053 14789 17070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17-1	1540	Sun	9169	Russian diplo/intel. 11166 10053 14789 17070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17-1	1550	Sun	7419	Russian diplo/intel. 11166 10053 14789 17070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	18-1	0500	Mon	6925	Russian diplo/intel. 11166 70059 45689 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	0510	Mon	5235	Russian diplo/intel. 11166 70059 45689 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	0520	Mon	4528	Russian diplo/intel. 11166 70059 45689 18021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	0700	Mon	12177	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB)
F06	18-1	0710	Mon	10294	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB)
F06	18-1	0720	Mon	8068	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB)
F06	18-1	1200	Mon	12154	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB/MPJ)
F06	18-1	1210	Mon	10158	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB/MPJ)
F06	18-1	1220	Mon	8023	Russian diplo/intel. Header: 11166 70202 96374 16080 02299	FSK 200/1000	(AB/MPJ)
F06	19-1	0700	Tue	12177	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	0710	Tue	10294	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	0720	Tue	8068	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	1200	Tue	12154	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	1210	Tue	10158	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	1220	Tue	8023	Russian diplo/intel. Headers: 11166 70202 63257 18081 01719 and 11166 70202 39254 18082 02159	FSK 200/1000	(AB)
F06	19-1	1650	Tue	10383	Russian diplo/intel. 11166 10053 25147 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19-1	1700	Tue	9046	Russian diplo/intel. 11166 10053 25147 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19-1	1710	Tue	7313	Russian diplo/intel. 11166 10053 25147 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20-1	0600	Wed	20154	Russian diplo/intel. 11166 40122 15932 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	20-1	0610	Wed	18304	Russian diplo/intel. 11166 40122 15932 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	20-1	0620	Wed	16156	Russian diplo/intel. 11166 40122 15932 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	20-1	0700	Wed	12177	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB)
F06	20-1	0710	Wed	10294	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB)
F06	20-1	0720	Wed	8068	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB)
F06	20-1	1200	Wed	12154	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB/MPJ)
F06	20-1	1210	Wed	10158	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB/MPJ)
F06	20-1	1220	Wed	8023	Russian diplo/intel. Header: 11166 70202 68173 19083 02639	FSK 200/1000	(AB/MPJ)
F06	21-1	0700	Thu	12177	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB)
F06	21-1	0710	Thu	10294	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB)
F06	21-1	0720	Thu	8068	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB)
F06	21-1	1200	Thu	12154	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB/MPJ-HNG)
F06	21-1	1210	Thu	10158	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB/MPJ-HNG)
F06	21-1	1220	Thu	8023	Russian diplo/intel. Headers: 11166 70202 15379 20084 01639 and 11166 70202 24859 20085 01919	FSK 200/1000	(AB/MPJ-HNG)

F06	21-1	1330	Thu	12186	Russian diplo/intel. 11166 80214 15379 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	21-1	1340	Thu	10243	Russian diplo/intel. 11166 80214 15379 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	21-1	1350	Thu	8175	Russian diplo/intel. 11166 80214 15379 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	22-1	0700	Fri	12177	Russian diplo/intel. 11166 70202 96347 22014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-1	0710	Fri	10294	Russian diplo/intel. 11166 70202 96347 22014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-1	0720	Fri	8068	Russian diplo/intel. 11166 70202 96347 22014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	1530	Sun	10378	Russian diplo/intel. 11166 10053 35789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	24-1	1540	Sun	9169	Russian diplo/intel. 11166 10053 35789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	24-1	1550	Sun	7419	Russian diplo/intel. 11166 10053 35789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	25-1	0700	Mon	12177	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	25-1	0710	Mon	10294	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	25-1	0720	Mon	8068	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	25-1	1200	Mon	12154	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	25-1	1210	Mon	10158	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	25-1	1220	Mon	8023	Russian diplo/intel. Header: 11166 70202 85413 25086 02219	FSK 200/1000	(AB)
F06	26-1	0700	Tue	12177	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	0710	Tue	10294	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	0720	Tue	8068	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	1200	Tue	12154	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	1210	Tue	10158	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	1220	Tue	8023	Russian diplo/intel. Headers: 11166 70202 96357 25087 01719 and 11166 70202 14793 25088 02339	FSK 200/1000	(AB)
F06	26-1	1650	Tue	10383	Russian diplo/intel. 11166 10053 15973 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	26-1	1700	Tue	9046	Russian diplo/intel. 11166 10053 15973 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	26-1	1710	Tue	7313	Russian diplo/intel. 11166 10053 15973 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	27-1	0600	Wed	20154	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	27-1	0610	Wed	18304	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	27-1	0620	Wed	16156	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	27-1	0700	Wed	12177	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB)
F06	27-1	0710	Wed	10294	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB)
F06	27-1	0720	Wed	8068	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB)
F06	27-1	0900	Wed	19667	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	27-1	0910	Wed	17546	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	27-1	0920	Wed	15604	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	27-1	1200	Wed	12154	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB/MPJ)
F06	27-1	1210	Wed	10158	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB/MPJ)
F06	27-1	1220	Wed	8023	Russian diplo/intel. Header: 11166 70202 34896 26089 02379	FSK 200/1000	(AB/MPJ)
F06	28-1	0600	Thu	20154	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	28-1	0610	Thu	18304	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	28-1	0620	Thu	16156	Russian diplo/intel. Header: 11166 40122 86145 23031 03179	FSK 200/1000	(AB-J)
F06	28-1	0700	Thu	12177	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB)
F06	28-1	0710	Thu	10294	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB)
F06	28-1	0720	Thu	8068	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB)
F06	28-1	0900	Thu	19667	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	28-1	0910	Thu	17546	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	28-1	0920	Thu	15604	Russian diplo/intel. Header: 11166 00052 96124 27077 02379	FSK 200/1000	(AB)
F06	28-1	1200	Thu	12154	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB/MPJ)
F06	28-1	1210	Thu	10158	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB/MPJ)

F06	28-1	1220	Thu	8023	Russian diplo/intel. Headers: 11166 70202 26854 27090 01739 and 11166 70202 26854 27090 01739	FSK 200/1000	(AB/MPJ)
F06	28-1	1330	Thu	12186	Russian diplo/intel. 11166 80214 21598 28065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	28-1	1340	Thu	10243	Russian diplo/intel. 11166 80214 21598 28065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	28-1	1350	Thu	8175	Russian diplo/intel. 11166 80214 21598 28065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	29-1	0700	Fri	12177	Russian diplo/intel. 11166 70202 96357 29081 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-1	0710	Fri	10294	Russian diplo/intel. 11166 70202 96357 29081 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-1	0720	Fri	8068	Russian diplo/intel. 11166 70202 96357 29081 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-1	1530	Sun	10378	Russian diplo/intel. 11166 10053 45687 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-1	1540	Sun	9169	Russian diplo/intel. 11166 10053 45687 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-1	1550	Sun	7419	Russian diplo/intel. 11166 10053 45687 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06a	1-1	0500	Fri	5185	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
F06a	1-1	0515	Fri	4835	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
F06a	1-1	0530	Fri	3796	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
F06a	2-1	1500	Sat	18276	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-POL/MPJ-POL)
F06a	2-1	1515	Sat	16213	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-POL/MPJ-POL)
F06a	2-1	1530	Sat	14493	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-POL/MPJ-POL)
F06a	3-1	1500	Sun	18276	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	3-1	1515	Sun	16213	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	3-1	1530	Sun	14493	Russian diplo/intel. File 04449 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	7-1	0500	Thu	6823	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	7-1	0515	Thu	5813	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	7-1	0530	Thu	4816	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	8-1	0500	Fri	6823	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	8-1	0515	Fri	5813	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	8-1	0530	Fri	4816	Russian diplo/intel. File 04456 (976 bytes)	FSK 200/1000	(AB)
F06a	9-1	1500	Sat	18276	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	9-1	1515	Sat	16213	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB/MPJ)
F06a	9-1	1530	Sat	14493	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	10-1	1500	Sun	18276	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB/MPJ-POL)
F06a	10-1	1515	Sun	16213	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB/MPJ-POL)
F06a	10-1	1530	Sun	14493	Russian diplo/intel. File 04450 (816 bytes)	FSK 200/1000	(AB-RUS/MPJ-POL)
F06a	14-1	0500	Thu	6823	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	14-1	0515	Thu	5813	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	14-1	0530	Thu	4816	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	15-1	0500	Fri	6823	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	15-1	0515	Fri	5813	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	15-1	0530	Fri	4816	Russian diplo/intel. File 04457 (1264 bytes)	FSK 200/1000	(AB)
F06a	16-1	1500	Sat	18276	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	16-1	1515	Sat	16213	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	16-1	1530	Sat	14493	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	17-1	1500	Sun	18276	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	17-1	1515	Sun	16213	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	17-1	1530	Sun	14493	Russian diplo/intel. File 04451 (976 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	21-1	0500	Thu	6823	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)
F06a	21-1	0515	Thu	5813	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)
F06a	21-1	0530	Thu	4816	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)
F06a	22-1	0500	Fri	6823	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)

F06a	22-1	0515	Fri	5813	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)
F06a	22-1	0530	Fri	4816	Russian diplo/intel. File 04458 (1168 bytes)	FSK 200/1000	(AB)
F06a	23-1	1500	Sat	18276	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	23-1	1515	Sat	16213	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	23-1	1530	Sat	14493	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	24-1	1500	Sun	18276	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	24-1	1515	Sun	16213	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	24-1	1530	Sun	14493	Russian diplo/intel. File 04452 (992 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	28-1	0500	Thu	6823	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	28-1	0515	Thu	5813	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	28-1	0530	Thu	4816	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	29-1	0500	Fri	6823	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	29-1	0515	Fri	5813	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	29-1	0530	Fri	4816	Russian diplo/intel. File 04459 (1392 bytes)	FSK 200/1000	(AB)
F06a	30-1	1500	Sat	18276	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	30-1	1515	Sat	16213	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	30-1	1530	Sat	14493	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	31-1	1500	Sun	18276	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	31-1	1515	Sun	16213	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	31-1	1530	Sun	14493	Russian diplo/intel. File 04453 (608 bytes)	FSK 200/1000	(AB-RUS/MPJ)
HM01	1-1	0558	Fri	10345	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	1-1	0658	Fri	9330	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	1-1	0758	Fri	9330	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9065 kHz. Switched at 0808 UTC	AM/RDFT	(AB)
HM01	1-1	0808	Fri	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Comes from 9330 kHz	AM/RDFT	(AB)
HM01	1-1	0858	Fri	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9240 kHz	AM/RDFT	(AB)
HM01	1-1	0958	Fri	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9155 kHz	AM/RDFT	(AB)
HM01	1-1	1600	Fri	11435	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	2-1	1600	Sat	11435	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	3-1	0758	Sun	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB/PP1)
HM01	3-1	0858	Sun	9240	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	3-1	0958	Sun	9155	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	3-1	1600	Sun	11435	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	4-1	0858	Mon	9240	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	4-1	0956	Mon	9155	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	4-1	1700	Mon	11530	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	5-1	1700	Tue	11530	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	6-1	0658	Wed	9330	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	6-1	0757	Wed	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB/PP1)
HM01	6-1	0858	Wed	9240	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	6-1	0956	Wed	9155	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	6-1	1700	Wed	11530	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	6-1	2200	Wed	10715	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(Dan)
HM01	7-1	0858	Thu	11462	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct) Files: 50416601.F1C 20511724.TXT 46251080.TXT 01041617.TXT 74061012.TXT 57856709.TXT	AM/RDFT	(AB)
HM01	7-1	1630	Thu	11435	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	8-1	0558	Fri	10345	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	8-1	0658	Fri	9330	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)

HM01	8-1	0758	Fri	9065	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	8-1	0858	Fri	9240	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	8-1	0958	Fri	9155	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	8-1	1626	Fri	11435	i.p. 66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9-1	2100	Sat	16180	61125á13135á42084á70219á17101á63414 (new groups)	AM/RDFT	(RR2)
HM01	10-1	0858	Sun	9240	Carrier only until 0957 UTC	AM/RDFT	(AB)
HM01	10-1	1700	Sun	11530	61125á13135á42084á70219á17101á63414	AM/RDFT	(RR2)
HM01	11-1	0458	Mon	10860	61125 13135 42084 70219 17101 63414. Files: 4676112.TXT 11211313.TXT 22374208.TXT 88227021.TXT 36601710.F1G 67546341.TXT	AM/RDFT	(AB)
HM01	11-1	0558	Mon	10345	61125 13135 42084 70219 17101 63414	AM/RDFT	(AB)
HM01	11-1	0658	Mon	9330	61125 13135 42084 70219 17101 63414. Starting at 0707 UTC: two of the same transmissions mixing	AM/RDFT	(AB)
HM01	11-1	0858	Mon	9240	61125 13135 42084 70219 17101 63414	AM/RDFT	(AB)
HM01	11-1	0956	Mon	9155	61125 13135 42084 70219 17101 63414	AM/RDFT	(AB)
HM01	11-1	1710	Mon	11530	61127á13137á42086á54261á17103á63416 (new groups)	AM/RDFT	(RR2)
HM01	11-1	1745	Mon	11530	Loud noise. Radio Habana in the back ground	AM	(AB-ATN)
HM01	11-1	1758	Mon	11635	Loud noise with Radio Habana in the background. On top of that 61128 13138 42087 54362 17104 63417 (new groups)	AM/RDFT	(AB-ATN)
HM01	11-1	1803	Mon	11635	61127 13137 42086 54261 17103 63416	AM/RDFT	(AB-ATN)
HM01	11-1	1806	Mon	11635	61127 13138 42087 54262 17104 63417. The noise and Radio Habana stopped at 1807 UTC	AM/RDFT	(AB-ATN)
HM01	11-1	1808	Mon	11635	61128 13138 42087 54362 17104 63417 Files 74676112.TXT 11211313.TXT 22374208.TXT 32055426.TXT 36601710.F1G 67546341.TXT	AM/RDFT	(AB-ATN)
HM01	11-1	1813	Mon	11635	Signal on and off, groups 17103 634. At 1814 UTC abruptly off. Carrier back on, no transmission at 1822 UTC	AM/RDFT	(AB-ATN)
HM01	11-1	1831	Mon	11635	61127 13137 42086 54261 17103 63416 Different groups but the same files as 1808z	AM/RDFT	(AB-ATN)
HM01	11-1	2100	Mon	11635	61127 13137 42086 54261 17103 63416	AM/RDFT	(RR2)
HM01	11-1	2200	Mon	10715	61127 13137 42086 54261 17103 63416	AM/RDFT	(Dan)
HM01	12-1	0500	Tue	11462	61127 13137 42086 54261 17103 63416 (repeat of 11 Jan)	AM/RDFT	(AB-ATN)
HM01	12-1	0558	Tue	14375	61127 13137 42086 54261 17103 63416 (repeat of 11 Jan)	AM/RDFT	(AB-ATN)
HM01	12-1	0658	Tue	13435	61127 13137 42086 54261 17103 63416 (repeat of 11 Jan)	AM/RDFT	(AB-ATN)
HM01	12-1	0758	Tue	11635	Carrier till 0850 UTC	AM/RDFT	(AB-ATN)
HM01	12-1	0950	Tue	11462	Carrier only	AM/RDFT	(AB-USA)
HM01	12-1	0958	Tue	12180	61127 13137 42086 54261 17103 63416 (repeat of 11 Jan)	AM/RDFT	(AB-USA)
HM01	12-1	1558	Tue	11435	Carrier till 1609 UTC. Started when already i.p. 61128 13138 42087 54262 17104 63417	AM/RDFT	(AB-ATN/RR2)
HM01	12-1	1700	Tue	11530	61128 13138 42087 54262 17104 63417	AM/RDFT	(RR2)
HM01	13-1	0500	Wed	10860	Carrier only till 0550 UTC	AM/RDFT	(AB-TRD)
HM01	13-1	0558	Wed	10345	Carrier only till 0650 UTC	AM/RDFT	(AB-TRD)
HM01	13-1	0658	Wed	9330	Carrier only till 0750 UTC	AM/RDFT	(AB-TRD)
HM01	13-1	0757	Wed	9065	Carrier only	AM/RDFT	(AB-TRD)
HM01	13-1	0858	Wed	9240	Carrier. Off at 0902 UTC	AM/RDFT	(AB-TRD)
HM01	13-1	0956	Wed	9155	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB-TRD)
HM01	13-1	1630	Wed	11435	61128á13138á42087á54262á17104á63417 (repeat of 12 Jan)	AM/RDFT	(RR2)
HM01	13-1	1658	Wed	11530	61128á13138á42087á54262á17104á63417 (repeat of 12 Jan)	AM/RDFT	(AB-ANT)
HM01	13-1	2200	Wed	10715	61128á13138á42087á54262á17104á63417 (repeat of 12 Jan)	AM/RDFT	(Dan)
HM01	14-1	0530	Thu	11462	61128á13138á42087á54262á17104á63417 (repeat of 12 Jan)	AM/RDFT	(AB-USA)
HM01	14-1	0557	Thu	14375	61128á13138á42087á54262á17104á63417 (repeat of 12 Jan)	AM/RDFT	(AB-USA)
HM01	14-1	1600	Thu	11435	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(RR2)
HM01	15-1	0658	Fri	9330	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB)
HM01	15-1	0758	Fri	9065	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB)

HM01	15-1	0858	Fri	9240	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB)
HM01	15-1	0958	Fri	9155	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB)
HM01	15-1	1730	Fri	11530	61128 13138 42087 54262 17104 63417 (repeat of 12 Jan)	AM/RDFT	(AB)
HM01	16-1	1600	Sat	11435	24243 78524 16542 54267 17109 20383	AM/RDFT	(RR2)
HM01	17-1	0758	Sun	9330	24243 78524 16542 54267 17109 20383 Files 32055426.TXT 36201654.F1G 62247852.TXT 38032424.TXT 32712038.TXT 36601710.F1G. (repeat of 16 Jan) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	17-1	0858	Sun	9065	24243 78524 16542 54267 17109 20383 (repeat of 16 Jan) Should be on 9240 kHz	AM/RDFT	(AB)
HM01	17-1	1612	Sun	11435	24244 78525 16543 54268 16841 20384	AM/RDFT	(RR2)
HM01	17-1	1700	Sun	11530	24244 78525 16543 54268 16841 20384 Files 38032424.TXT 62247852.TXT 36201654.F1G 32055426.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB-ANT)
HM01	18-1	0501	Mon	10860	24244 78527 16146 74268 16841 20384 (repeat of 17 Jan)	AM/RDFT	(AB-USA)
HM01	18-1	0658	Mon	9330	24244 78525 16543 54268 16841 20384 (repeat of 17 Jan)	AM/RDFT	(AB-ANT)
HM01	18-1	0758	Mon	9065	24244 78525 16543 54268 16841 20384 (repeat of 17 Jan)	AM/RDFT	(AB-ANT)
HM01	18-1	0858	Mon	9065	24244 78525 16543 54268 16841 20384 (repeat of 17 Jan) Should be on 9240 kHz	AM/RDFT	(AB-ANT)
HM01	18-1	0928	Mon	9240	24244 78525 16543 54268 16841 20384 (repeat of 17 Jan)	AM/RDFT	(AB-ANT)
HM01	18-1	1700	Mon	11530	24245 78526 16544 22171 16841 20385	AM/RDFT	(DM3)
HM01	18-1	1716	Mon	11530	i.p. 24245 78526 16544 22171 16841 20385 Files 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB-DOM)
HM01	18-1	1758	Mon	11635	24245 78526 16544 22171 16841 20385	AM/RDFT	(AB-TRD)
HM01	18-1	2056	Mon	11635	24245á78526á16544á22171á16841á20385	AM/RDFT	(RR2)
HM01	19-1	0528	Tue	11462	24245á78526á16544á22171á16841á20385 (repeat of 18 Jan)	AM/RDFT	(AB)
HM01	19-1	1558	Tue	11435	24246 78527 16545 22171 16842 20386	AM/RDFT	(RR2)
HM01	19-1	1658	Tue	11530	24246 78527 16545 22171 16842 20386 Files 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB-USA)
HM01	20-1	0500	Wed	10860	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	0558	Wed	10345	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	0658	Wed	9330	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	0758	Wed	9065	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	0858	Wed	9240	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	0956	Wed	9155	24246 78527 16545 22171 16842 20386 (repeat of 19 Jan)	AM/RDFT	(AB)
HM01	20-1	1627	Wed	11435	24247 78528 16546 22172 16843 20387	AM/RDFT	(RR2)
HM01	20-1	1658	Wed	11530	24247 78528 16546 22172 16843 20387 Files 38032424.TXT 62247852.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB-USA)
HM01	21-1	1614	Thu	11435	43281 22651 16547 22173 16844 20388 Files 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB-USA)
HM01	21-1	1700	Thu	11530	43281 22651 16547 22173 16844 20388	AM/RDFT	(RR2)
HM01	22-1	0658	Fri	9330	43281 22651 16547 22173 16844 20388 (repeat of 21 Jan)	AM/RDFT	(AB)
HM01	22-1	0758	Fri	9065	43281 22651 16547 22173 16844 20388 (repeat of 21 Jan)	AM/RDFT	(AB)
HM01	22-1	0858	Fri	9065	43281 22651 16547 22173 16844 20388 (repeat of 21 Jan) Should be on 9240 kHz	AM/RDFT	(AB)
HM01	22-1	0958	Fri	9155	43281 22651 16547 22173 16844 20388 (repeat of 21 Jan)	AM/RDFT	(AB)
HM01	22-1	1600	Fri	11435	43281 22651 16548 22174 16845 20389	AM/RDFT	(RR2)
HM01	22-1	1658	Fri	11530	43281 22651 16548 22174 16845 20389 Files 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 32712038.TXT	AM/RDFT	(AB)
HM01	23-1	0958	Sat	11462	43281 22651 16548 22174 16845 20389 (repeat of 22 Jan)	AM/RDFT	(AB)
HM01	23-1	1600	Sat	11435	43282 22652 16549 22175 16846 87271	AM/RDFT	(RR2)
HM01	24-1	0658	Sun	9330	43282 22652 16549 22175 16846 87271 (repeat of 23 Jan)	AM/RDFT	(AB)

					Files 75574328.TXT 44512265.TXT 36201654.F1G 76302217.TXT 62021684.TXT 36178727.F1G		
HM01	24-1	0758	Sun	9065	43282 22652 16549 22175 16846 87271 (repeat of 23 Jan)	AM/RDFT	(AB)
HM01	24-1	0858	Sun	9240	43282 22652 16549 22175 16846 87271 (repeat of 23 Jan)	AM/RDFT	(AB)
HM01	24-1	1558	Sun	11435	43283 22653 32841 22176 16847 87271 Files 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G	AM/RDFT	(AB-USA)
HM01	24-1	1600	Sun	11435	43283 22653 32841 22176 16847 87271	AM/RDFT	(RR2)
HM01	25-1	0658	Mon	9330	43283 22653 32841 22176 16847 87271 (repeat of 24 Jan)	AM/RDFT	(AB)
HM01	25-1	0758	Mon	9065	43283 22653 32841 22176 16847 87271 (repeat of 24 Jan)	AM/RDFT	(AB)
HM01	25-1	0928	Mon	9240	43283 22653 32841 22176 16847 87271 (repeat of 24 Jan)	AM/RDFT	(AB)
HM01	25-1	1600	Mon	11435	43284 22654 32841 22177 16848 87272	AM/RDFT	(RR2)
HM01	25-1	1658	Mon	11530	43284 22654 32841 22177 16848 87272 Files 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G	AM/RDFT	(AB-ATN)
HM01	25-1	2200	Mon	10715	43284 22654 32841 22177 16848 87272	AM/RDFT	(Dan)
HM01	26-1	1558	Tue	11435	43285 22655 32842 22178 16849 87273	AM/RDFT	(RR2)
HM01	26-1	1658	Tue	11530	43285 22655 32842 22178 16849 87273 Files: 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 62021684.TXT 36178727.F1G	AM/RDFT	(AB-USA)
HM01	27-1	0956	Wed	9155	43285 22655 32842 22178 16849 87273 (repeat of 26 Jan)	AM/RDFT	(AB)
HM01	27-1	1600	Wed	11435	43286 22656 32843 22179 50211 87274	AM/RDFT	(RR2)
HM01	27-1	1658	Wed	11530	43286 22656 32843 22179 50211 87274 Files 75574328.TXT 44512265.TXT 14003284.TXT 76302217.TXT 00835021.TXT 36178727.F1G	AM/RDFT	(AB-USA)
HM01	28-1	0958	Thu	12180	43286 22656 32843 22179 50211 87274)repeat of 17 Jan)	AM/RDFT	(AB)
HM01	28-1	1600	Thu	11435	43287 22657 32844 82631 50211 87275	AM/RDFT	(RR2)
HM01	28-1	1700	Thu	11530	43287 22657 32844 82631 50211 87275 Files 75574328.TXT 44512265.TXT 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G	AM/RDFT	(AB-ANT)
HM01	29-1	0828	Fri	9065	43287 22657 32844 82631 50211 87275 (repeat of 28 Jan)	AM/RDFT	(AB)
HM01	29-1	0858	Fri	9240	43287 22657 32844 82631 50211 87275 (repeat of 28 Jan)	AM/RDFT	(AB)
HM01	29-1	0958	Fri	9155	43287 22657 32844 82631 50211 87275 (repeat of 28 Jan)	AM/RDFT	(AB)
HM01	29-1	1628	Fri	11435	30511 22658 32845 82631 50212 87276 Files 63433051.TXT 44512265.TXT 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G	AM/RDFT	(AB-USA/RR2)
HM01	30-1	1600	Sat	11435	30511 46021 32846 82632 50213 87277	AM/RDFT	(RR2)
HM01	30-1	1658	Sat	11530	30511 46021 32846 82632 50213 87277 Files 63433051.TXT 50084602.F1C 14003284.TXT 53408263.TXT 00835021.TXT 36178727.F1G	AM/RDFT	(AB-USA)
HM01	31-1	0658	Sun	9330	30511 46021 32846 82632 50213 87277 (repeat of 30 Jan)	AM/RDFT	(AB)
HM01	31-1	0758	Sun	9065	30511 46021 32846 82632 50213 87277 (repeat of 30 Jan)	AM/RDFT	(AB)
HM01	31-1	0858	Sun	9240	30511 46021 32846 82632 50213 87277 (repeat of 30 Jan)	AM/RDFT	(AB)
HM01	31-1	1600	Sun	11435	30511 46021 32846 82632 50213 87277 (repeat of 30 Jan)	AM/RDFT	(RR2)
HM01	31-1	1658	Sun	11530	30511 46021 32846 82632 50213 87277 (repeat of 30 Jan)	AM/RDFT	(AB-USA)
M01	2-1	1500	Sat	5810	197 543 543 30 30 == 18608 (Long 0-short on rpt) 21596 4642946429 85804 ... 98563 81015 60897 = = 543 543 30 (x1) 0 0 0	CW	(MPJ)
M01	3-1	0700	Sun	5465	197 ... (message)	CW	(PP1)
M01	5-1	1800	Tue	5320	197 650 650 40 30 = = 91442 69705 93867 ... 32151 63386 50010 = = 817 817 30 30 000 (errors)	CW	(AB/MPJ)
M01	5-1	2000	Tue	4490	197 817 817 30 30 = = 91442 26114 96259 ... 30600 68642 57286 = = 650 650 30 30 000 (errors)	CW	(AB)
M01	7-1	1800	Thu	5320	197 ... (too weak to copy)	CW	(PP1/MPJ)
M01	7-1	2000	Thu	4490	197 237 237 30 30 = = 77882 77130 79928 ... 67553 90081 06211 = = 237 237 30 30 000	CW	(AB)
M01	9-1	1500	Sat	5810	197 184 184 = 30 30 = = 42733 79714 44861 ... 31311 45966 94562 = = 184 184 = 30 30 000	CW	(AB/MPJ)
M01	10-1	0659	Sun	5465	197 551 551 30 30 30 17173 05409 45065 ... 52741 09012 04448 551 551 30 30 000	CW	(AB)
M01	12-1	1800	Tue	5320	197 352 352 30 30 = = 02185 45945 66217 ... 17907 78430 26736 = = 352 352 30 30 000	CW	(AB-RUS/MPJ)

M01	12-1	2000	Tue	4490	197 391 391 30 30 == 95130 03014 54174 ... 86188 72243 36497 == 391 391 30 30 000	CW	(AB)
M01	14-1	1800	Thu	5320	197 153 153 30 30 == 42431 05568 29232 ... 82028 28903 89514 == 153 153 30 30 000 Group 15 was only 4 digits and was not repeated.	CW	(AB-RUS/MPJ)
M01	14-1	2000	Thu	4490	197 770 770 30 30 == 55123 00045 53167 ... 74284 35491 15939 == 770 770 30 30 000	CW	(AB)
M01	16-1	1500	Sat	5810	197 860 860 30 30 == 57150 01549 80558 ... 15965 61183 14656 == 860 860 30 30 000	CW	(AB/MPJ-HNG)
M01	17-1	0700	Sun	5465	197 875 875 30 30 == 13356 59734 83551 ... 79368 12016 59704 == 875 875 30 30 000	CW	(AB)
M01	19-1	1800	Tue	5320	197 656 656 30 30 == 23474 86544 74241 ... 31970 46404 64416 == 656 656 30 30 000	CW	(MPJ)
M01	19-1	2000	Tue	4490	Sent only 19 groups. 197 109 109 30 30 == 92251 95117 37211 ... 02224 85943 88109 == 109 109 30 30 000	CW	(AB)
M01	21-1	1800	Thu	5320	197 598 598 30 30 == 6.96. 41015 11557 ... 99621 03271 57400 == 598 598 30 30 000	CW	(AB-FIN/MPJ)
M01	21-1	2000	Thu	4490	197 682 682 30 30 == 12836 69917 27694 ... 89303 30354 33318 == 682 682 30 30 000	CW	(AB)
M01	23-1	1500	Sat	5810	VVV at 1453 UTC. 197 500 500 30 30 == 72993 63907 49666 ... 26284 55361 (16213) 19745 == 500 500 30 30 000	CW	(AB/MPJ)
M01	24-1	0700	Sun	5465	197 118 118 30 30 AS AS 08252 53604 21814 ... 69226 68784 43005 AS AS 118 118 30 30 000	CW	(AB)
M01	26-1	1800	Tue	5320	197 130 130 30 30 SK SK 77562 01515 65196 ... 93517 15788 62152 == 130 130 30 30 000	CW	(AB/MPJ)
M01	26-1	2000	Tue	4490	197 120 120 30 30 == 61154 55624 54888 ... 27367 52974 96209 == 120 120 30 30 000	CW	(AB)
M01	28-1	1800	Thu	5320	197 712 712 30 30 == 98780 21556 05560 ... 05309 16525 06713?? == 712 712 30 30 000	CW	(AB-FIN/MPJ)
M01	28-1	2000	Thu	4490	197 725 725 30 30 == 54383 60149 50938 ... 82026 92222 77717 == 725 725 30 30 000	CW	(AB)
M01	30-1	1500	Sat	5810	197 615 615 30 30 == 44922 80485 17589 ... 75011 99834 33812 == 615 615 30 30 000	CW	(AB/MPJ)
M01	31-1	0700	Sun	5465	197 789 789 30 30 == 55777 69252 61735 ... 02785 08759 73349 == 789 789 30 30 000	CW	(AB)
M12	1-1	0030	Fri	5886	874 874 874 000	CW	(AB)
M12	1-1	0050	Fri	6786	874 874 874 000	CW	(AB)
M12	1-1	2050	Fri	6864	875 875 875 000	CW	(AB/RL)
M12	1-1	2110	Fri	5764	875 875 875 000	CW	(AB/RL/HFD)
M12	1-1	2200	Fri	5778	771 771 771 000	CW	(AB/RL)
M12	1-1	2220	Fri	6778	771 771 771 000	CW	(AB/RL)
M12	2-1	2200	Sat	5778	771 771 771 000	CW	(AB/HFD)
M12	2-1	2220	Sat	6778	771 771 771 000	CW	(AB/HFD)
M12	3-1	0800	Sun	16357	343 343 343 000	CW	(AB)
M12	3-1	0820	Sun	17457	343 343 343 000	CW	(AB)
M12	4-1	2210	Mon	6937	975 975 975 000	CW	(AB/RL/HFD)
M12	4-1	2230	Mon	5737	975 975 975 000	CW	(AB/RL/HFD)
M12	5-1	0030	Tue	5886	874 874 874 000	CW	(AB)
M12	5-1	0050	Tue	6786	874 874 874 000	CW	(AB)
M12	6-1	0800	Wed	16357	343 343 343 000	CW	(AB/HFD)
M12	6-1	0820	Wed	17457	343 343 343 000	CW	(AB/HFD)
M12	6-1	2050	Wed	6864	875 875 875 000	CW	(AB/PP1/RL)
M12	6-1	2110	Wed	5764	875 875 875 000	CW	(AB/RL)
M12	7-1	2210	Thu	6937	975 975 975 000	CW	(AB)
M12	7-1	2230	Thu	5737	975 975 975 000	CW	(AB)
M12	8-1	0030	Fri	5886	874 874 874 000	CW	(AB)
M12	8-1	0050	Fri	6786	874 874 874 000	CW	(AB)
M12	8-1	2050	Fri	6864	875 875 875 000	CW	(AB)
M12	8-1	2110	Fri	5764	875 875 875 000	CW	(AB)
M12	8-1	2200	Fri	5778	771 771 771 000	CW	(AB)
M12	8-1	2220	Fri	6778	771 771 771 000	CW	(AB)
M12	9-1	2200	Sat	5778	771 771 771 000	CW	(AB)
M12	9-1	2220	Sat	6778	771 771 771 000	CW	(AB)
M12	10-1	0800	Sun	16357	343 343 343 000	CW	(AB)

M12	10-1	0820	Sun	17457	343 343 343 000		CW	(AB)
M12	11-1	0010	Mon	16253	294 294 294 000		CW	(Danix-RUS/HFD)
M12	11-1	0030	Mon	15953	294 294 294 000		CW	(Danix-RUS/HFD)
M12	11-1	1300	Mon	14377	317 317 317 1 3229 99 3229 99 60425 82999 71305 ... 49355 15115 95664 000 000		CW	(AB/MPJ)
M12	11-1	1320	Mon	13461	317 317 317 1 3229 99 3229 99 60425 82999 71305 ... 49355 15115 95664 000 000		CW	(AB/MPJ)
M12	11-1	1340	Mon	12114	317 317 317 1 3229 99 3229 99 60425 82999 71305 ... 49355 15115 95664 000 000		CW	(AB/MPJ)
M12	11-1	2210	Mon	6937	975 975 975 000		CW	(AB)
M12	11-1	2230	Mon	5737	975 975 975 000		CW	(AB/RL)
M12	12-1	0030	Tue	5886	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	12-1	0050	Tue	6786	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	12-1	0110	Tue	7486	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	12-1	0530	Tue	9317	135 135 135 1 7515 111 7515 111 06490 39023 52622 ... 17886 62780 51977 000 000		CW	(AB-RUS)
M12	12-1	0550	Tue	10484	135 135 135 1 7515 111 7515 111 06490 39023 52622 ... 17886 62780 51977 000 000		CW	(AB-RUS)
M12	12-1	0610	Tue	11552	135 135 135 1 7515 111 7515 111 06490 39023 52622 ... 17886 62780 51977 000 000		CW	(AB-RUS)
M12	12-1	1200	Tue	14377	317 317 317 1 5893 100 5893 100 46099 64469 56500 ... 40729 08070 83752 000 000		CW	(AB/FT)
M12	12-1	1220	Tue	13461	317 317 317 1 5893 100 5893 100 46099 64469 56500 ... 40729 08070 83752 000 000		CW	(AB/FT)
M12	12-1	1240	Tue	12114	317 317 317 1 5893 100 5893 100 46099 64469 56500 ... 40729 08070 83752 000 000		CW	(AB/FT)
M12	13-1	0800	Wed	16357	343 343 343 000		CW	(AB)
M12	13-1	0820	Wed	17457	343 343 343 000		CW	(AB)
M12	13-1	1710	Wed	12162	546 546 546 1 6504 110 6504 110 58367 32572 37070 ... 79262 87811 61367 000 000		CW	(AB/MPJ)
M12	13-1	1730	Wed	11566	546 546 546 1 6504 110 6504 110 58367 32572 37070 ... 79262 87811 61367 000 000		CW	(AB-FIN/MPJ)
M12	13-1	1750	Wed	10711	546 546 546 1 6504 110 6504 110 58367 32572 37070 ... 79262 87811 61367 000 000		CW	(AB-FIN/MPJ)
M12	13-1	1810	Wed	11435	938 938 938 1 1759 77 1759 77 44376 54119 90615 ... 60856 58447 82376 000 000		CW	(AB)
M12	13-1	1830	Wed	10598	938 938 938 1 1759 77 1759 77 44376 54119 90615 ... 60856 58447 82376 000 000		CW	(AB)
M12	13-1	1850	Wed	9327	938 938 938 1 1759 77 1759 77 44376 54119 90615 ... 60856 58447 82376 000 000		CW	(AB)
M12	13-1	2050	Wed	6864	875 875 875 000		CW	(AB/RL)
M12	13-1	2110	Wed	5764	875 875 875 000		CW	(AB)
M12	14-1	0100	Thu	17472	429 429 429 1 ...		CW	(HFD-RUS)
M12	14-1	0120	Thu	16272	429 429 429 1 ...		CW	(HFD-RUS)
M12	14-1	0140	Thu	14972	429 429 429 1 ...		CW	(HFD-RUS)
M12	14-1	1700	Thu	12162	546 546 546 1 8873 112 8873 112 96228 78073 34409 ... 22920 27371 82753 000 000		CW	(AB/MPJ)
M12	14-1	1720	Thu	11566	546 546 546 1 8873 112 8873 112 96228 78073 34409 ... 22920 27371 82753 000 000		CW	(AB/MPJ)
M12	14-1	1740	Thu	10711	546 546 546 1 8873 112 8873 112 96228 78073 34409 ... 22920 27371 82753 000 000		CW	(AB/MPJ)
M12	14-1	1800	Thu	12162	546 546 546 1 7679 111 7679 111 93326 28140 14169 ... 90679 31581 43608 000 000		CW	(AB)
M12	14-1	1820	Thu	11566	546 546 546 1 7679 111 7679 111 93326 28140 14169 ... 90679 31581 43608 000 000		CW	(AB)
M12	14-1	1840	Thu	10711	546 546 546 1 7679 111 7679 111 93326 28140 14169 ... 90679 31581 43608 000 000		CW	(AB)
M12	14-1	2000	Thu	14377	317 317 317 1 3802 104 3802 104 59954 67527 85054 ... 97619 35406 57941 000 000		CW	(AB)
M12	14-1	2020	Thu	13461	317 317 317 1 3802 104 3802 104 59954 67527 85054 ... 97619 35406 57941 000 000		CW	(AB)
M12	14-1	2040	Thu	12114	317 317 317 1 3802 104 3802 104 59954 67527 85054 ... 97619 35406 57941 000 000		CW	(AB)
M12	14-1	2210	Thu	6937	975 975 975 000		CW	(AB/RL)
M12	14-1	2230	Thu	5737	975 975 975 000		CW	(AB)
M12	15-1	0030	Fri	5886	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	15-1	0050	Fri	6786	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	15-1	0110	Fri	7486	874 874 874 1 242 88 242 88 80925 28388 84070 ... 87202 82287 82205 000 000		CW	(AB)
M12	15-1	2050	Fri	6864	875 875 875 000		CW	(AB)
M12	15-1	2110	Fri	5764	875 875 875 000		CW	(AB)
M12	15-1	2200	Fri	5778	771 771 771 000		CW	(AB)

M12	15-1	2220	Fri	6778	771 771 771 000	CW	(AB/RL)
M12	16-1	2200	Sat	5778	771 771 771 000	CW	(AB)
M12	16-1	2220	Sat	6778	771 771 771 000	CW	(AB)
M12	17-1	0110	Sun	11439	432 432 432 1 361 104 361 104 37539 61639 85923 ... 20512 47385 85496 000 000	CW	(AB)
M12	17-1	0130	Sun	10339	432 432 432 1 361 104 361 104 37539 61639 85923 ... 20512 47385 85496 000 000	CW	(AB)
M12	17-1	0150	Sun	9239	432 432 432 1 361 104 361 104 37539 61639 85923 ... 20512 47385 85496 000 000	CW	(AB)
M12	17-1	0800	Sun	16357	343 343 343 000	CW	(AB)
M12	17-1	0820	Sun	17457	343 343 343 000	CW	(AB)
M12	18-1	1300	Mon	14377	317 317 317 1 3608 99 3608 99 57144 30540 00784 ... 66711 77559 47516 000 000	CW	(AB/MPJ)
M12	18-1	1320	Mon	13461	317 317 317 1 3608 99 3608 99 57144 30540 00784 ... 66711 77559 47516 000 000	CW	(AB/MPJ)
M12	18-1	1340	Mon	12114	317 317 317 1 3608 99 3608 99 57144 30540 00784 ... 66711 77559 47516 000 000	CW	(AB/MPJ)
M12	19-1	0030	Tue	5886	874 874 874 000	CW	(AB)
M12	19-1	0050	Tue	6786	874 874 874 000	CW	(AB)
M12	19-1	0530	Tue	9317	135 135 135 1 4342 109 4342 109 44282 59830 73343 ... 21832 96783 28983 000 000	CW	(AB-RUS)
M12	19-1	0550	Tue	10484	135 135 135 1 4342 109 4342 109 44282 59830 73343 ... 21832 96783 28983 000 000	CW	(AB-RUS)
M12	19-1	0610	Tue	11552	135 135 135 1 4342 109 4342 109 44282 59830 73343 ... 21832 96783 28983 000 000	CW	(AB-RUS)
M12	19-1	1200	Tue	14377	317 317 317 1 7550 102 7550 102 36091 93294 75485 ... 91591 56613 89568 000 000	CW	(AB)
M12	19-1	1220	Tue	13461	317 317 317 1 7550 102 7550 102 36091 93294 75485 ... 91591 56613 89568 000 000	CW	(AB)
M12	19-1	1240	Tue	12114	317 317 317 1 7550 102 7550 102 36091 93294 75485 ... 91591 56613 89568 000 000	CW	(AB)
M12	20-1	0800	Wed	16357	343 343 343 1 8102 93 8102 93 20288 70654 72526 ...74898 31977 47209 000 000	CW	(AB)
M12	20-1	0820	Wed	17457	343 343 343 1 8102 93 8102 93 20288 70654 72526 ...74898 31977 47209 000 000	CW	(AB)
M12	20-1	0840	Wed	18357	343 343 343 1 8102 93 8102 93 20288 70654 72526 ...74898 31977 47209 000 000	CW	(AB)
M12	20-1	1710	Wed	12162	546 1 9682 113 18616 64431 41693 ...	CW	(MPJ-POL)
M12	20-1	1730	Wed	11566	546 1 9682 113 18616 64431 41693 ...	CW	(MPJ-POL)
M12	20-1	1750	Wed	10711	546 1 9682 113 18616 64431 41693 ...	CW	(MPJ-POL)
M12	20-1	1810	Wed	11435	938 938 938 1 8250 74 8250 74 17441 71259 65766 ... 20459 18701 19002 000 000	CW	(AB-RUS)
M12	20-1	1830	Wed	10598	938 938 938 1 8250 74 8250 74 17441 71259 65766 ... 20459 18701 19002 000 000	CW	(AB-RUS)
M12	20-1	1850	Wed	9327	938 938 938 1 8250 74 8250 74 17441 71259 65766 ... 20459 18701 19002 000 000	CW	(AB-RUS)
M12	20-1	2050	Wed	6864	875 875 875 000	CW	(AB)
M12	20-1	2110	Wed	5764	875 875 875 000	CW	(AB)
M12	21-1	1700	Thu	12162	156 546 546 1 4238 112 4238 112 40326 94372 90416 ... 02391 74064 73362 000 000	CW	(AB)
M12	21-1	1720	Thu	11566	156 546 546 1 4238 112 4238 112 40326 94372 90416 ... 02391 74064 73362 000 000	CW	(AB)
M12	21-1	1740	Thu	10711	156 546 546 1 4238 112 4238 112 40326 94372 90416 ... 02391 74064 73362 000 000	CW	(AB)
M12	21-1	1800	Thu	12162	546 546 546 1 2953 106 2953 106 62876 31317 13276 ... 13105 96668 70635 000 000	CW	(AB-RUS)
M12	21-1	1820	Thu	11566	546 546 546 1 2953 106 2953 106 62876 31317 13276 ... 13105 96668 70635 000 000	CW	(AB)
M12	21-1	1840	Thu	10711	546 546 546 1 2953 106 2953 106 62876 31317 13276 ... 13105 96668 70635 000 000	CW	(AB)
M12	21-1	2000	Thu	14377	317 317 317 1 910 102 910 102 75822 96966 44048 ... 89222 26951 31075 000 000	CW	(AB-RUS)
M12	21-1	2020	Thu	13461	317 317 317 1 910 102 910 102 75822 96966 44048 ... 89222 26951 31075 000 000	CW	(AB)
M12	21-1	2040	Thu	12114	317 317 317 1 910 102 910 102 75822 96966 44048 ... 89222 26951 31075 000 000	CW	(AB)
M12	21-1	2210	Thu	6937	975 975 975 1 484 93 484 93 47664 41419 48236 ... 91086 85227 54033 000 000	CW	(AB)
M12	21-1	2230	Thu	5737	975 975 975 1 484 93 484 93 47664 41419 48236 ... 91086 85227 54033 000 000	CW	(AB)
M12	21-1	2250	Thu	4537	975 975 975 1 484 93 484 93 47664 41419 48236 ... 91086 85227 54033 000 000	CW	(AB)
M12	22-1	0030	Fri	5886	874 874 874 000	CW	(AB)
M12	22-1	0050	Fri	6786	874 874 874 000	CW	(AB)
M12	22-1	2050	Fri	6864	875 875 875 000	CW	(AB/RL)
M12	22-1	2110	Fri	5764	875 875 875 000	CW	(AB)
M12	22-1	2200	Fri	5778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)

M12	22-1	2220	Fri	6778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	22-1	2240	Fri	8178	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	23-1	2200	Sat	5778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	23-1	2220	Sat	6778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	23-1	2240	Sat	8178	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	24-1	0110	Sun	11439	432 432 432 1 8289 98 8289 98 92852 36042 59876 ... 26553 08145 62239 000 000	CW	(AB)
M12	24-1	0130	Sun	10339	432 432 432 1 8289 98 8289 98 92852 36042 59876 ... 26553 08145 62239 000 000	CW	(AB)
M12	24-1	0150	Sun	9239	432 432 432 1 8289 98 8289 98 92852 36042 59876 ... 26553 08145 62239 000 000	CW	(AB)
M12	24-1	0800	Sun	16357	343 343 343 1 8102 93 8102 93 20288 70654 72526 ... 74898 31977 47209 000 000	CW	(AB)
M12	24-1	0820	Sun	17457	343 343 343 1 8102 93 8102 93 20288 70654 72526 ... 74898 31977 47209 000 000	CW	(AB)
M12	24-1	0840	Sun	18357	343 343 343 1 8102 93 8102 93 20288 70654 72526 ... 74898 31977 47209 000 000	CW	(AB)
M12	25-1	1300	Mon	14377	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB)
M12	25-1	1320	Mon	13461	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB)
M12	25-1	1340	Mon	12114	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB/RL)
M12	25-1	2210	Mon	6937	975 975 975 000	CW	(AB)
M12	25-1	2230	Mon	5737	975 975 975 000	CW	(AB)
M12	26-1	0030	Tue	5886	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)
M12	26-1	0050	Tue	6786	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)
M12	26-1	0110	Tue	7486	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)
M12	26-1	0530	Tue	9317	135 135 135 1 1543 109 1543 109 94240 35862 00572 ... 22056 06332 97933 000 000	CW	(AB-RUS)
M12	26-1	0550	Tue	10484	135 135 135 1 1543 109 1543 109 94240 35862 00572 ... 22056 06332 97933 000 000	CW	(AB-RUS)
M12	26-1	0610	Tue	11552	135 135 135 1 1543 109 1543 109 94240 35862 00572 ... 22056 06332 97933 000 000	CW	(AB-RUS)
M12	26-1	1200	Tue	14377	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB)
M12	26-1	1220	Tue	13461	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB)
M12	26-1	1240	Tue	12114	317 317 317 1 226 131 226 131 65166 03126 57845 ... 42472 78954 42626 000 000	CW	(AB)
M12	27-1	0800	Wed	16357	343 343 343 000	CW	(AB)
M12	27-1	0820	Wed	17457	343 343 343 000	CW	(AB)
M12	27-1	1710	Wed	12162	546 1 1537 111 55302 78565 03452 ... 54878 08856 15877 000 000	CW	(MPJ-POL)
M12	27-1	1730	Wed	11566	546 1 1537 111 55302 78565 03452 ... 54878 08856 15877 000 000	CW	(MPJ-POL)
M12	27-1	1750	Wed	10711	546 1 1537 111 55302 78565 03452 ... 54878 08856 15877 000 000	CW	(MPJ-POL)
M12	27-1	2050	Wed	6864	875 875 875 000	CW	(AB/RL)
M12	27-1	2110	Wed	5764	875 875 875 000	CW	(AB/RL)
M12	28-1	0150	Thu	9239	432 432 432 1 ...	CW	(AB)
M12	28-1	1700	Thu	12162	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	1720	Thu	11566	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	1740	Thu	10711	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	1800	Thu	12162	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	1820	Thu	11566	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	1840	Thu	10711	546 546 546 1 2484 110 2484 110 17567 96346 79238 ... 37750 46780 22748 000 000	CW	(AB-RUS)
M12	28-1	2000	Thu	14377	317 317 317 317 1 6336 103 6336 103 91502 65897 56577 ... 20567 76470 83850 000 000	CW	(AB-RUS)
M12	28-1	2020	Thu	13461	317 317 317 317 1 6336 103 6336 103 91502 65897 56577 ... 20567 76470 83850 000 000	CW	(AB-RUS)
M12	28-1	2040	Thu	12114	317 317 317 317 1 6336 103 6336 103 91502 65897 56577 ... 20567 76470 83850 000 000	CW	(AB-RUS)
M12	28-1	2210	Thu	6937	975 975 975 000	CW	(AB)
M12	28-1	2230	Thu	5737	975 975 975 000	CW	(AB)
M12	29-1	0030	Fri	5886	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)
M12	29-1	0050	Fri	6786	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)
M12	29-1	0110	Fri	7486	874 874 874 1 8851 100 8851 100 68528 23878 42613 ... 61532 99591 01770 000 000	CW	(AB)

M12	29-1	2050	Fri	6864	875 875 875 000	CW	(AB/RL)
M12	29-1	2110	Fri	5764	875 875 875 000	CW	(AB/RL)
M12	29-1	2200	Fri	5778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB/RL)
M12	29-1	2220	Fri	6778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB/RL)
M12	29-1	2240	Fri	8178	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	30-1	2200	Sat	5778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	30-1	2220	Sat	6778	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	30-1	2240	Sat	8178	771 771 771 1 587 180 587 180 44112 65213 25061 ... 05628 42900 83296 000 000	CW	(AB)
M12	31-1	0800	Sun	16357	343 343 343 000	CW	(AB)
M12	31-1	0820	Sun	17457	343 343 343 000	CW	(AB)
M14	10-1	0930	Sun	17458	617 617 617 00000	CW	(AB/RL)
M14	25-1	0930	Mon	17458	617 617 617 00000	CW	(AB)
M21	9-1	0915	Sat	5860.5	=991219??0???? =991220??0???? =991221??0????	CW	(F5JBR)
M21	9-1	0922	Sat	5980.5	=991222??8???? =991223??8???? =991224??8????	CW	(F5JBR)
M21	9-1	0925	Sat	5732.5	=991225??8???? =991226??8???? =991227??8????	CW	(F5JBR)
M21	9-1	0938	Sat	3751	=99?1238?9???? =99?1240?9???? =99?1242?9????	CW	(F5JBR)
M21	9-1	1025	Sat	5032.5	=991325??0???? =991326??0???? =991327??0????	CW	(F5JBR)
M21	9-1	1632	Sat	3322	=991936??0???? =991937??0???? =991938??0????	CW	(F5JBR)
M21	9-1	1815	Sat	4865.5	=992115??8???? =992116??8???? =992117??8????	CW	(F5JBR)
M21	10-1	0650	Sun	5860.5	Russian Air Defense =990953??0??	CW	(PP1)
M21	10-1	0824	Sun	5980.5	Russian Air Defense	CW	(PP1)
M21	10-1	0909	Sun	3185	=991209??8???? =991210??8???? =991211??8????	CW	(F5JBR)
M21	16-1	1206	Sat	5980.5	=991506??8???? =991506??8???? =991506??8????	CW	(AB)
M21	18-1	1416	Mon	5860.5	=991720??0???? =991721??0???? =991722??0????	CW	(AB)
M21	21-1	1011	Thu	6267	=991311??8???? =991312??8???? =991313??8????	CW	(F5JBR)
M21	21-1	1014	Thu	9242	515554394058 00552482013451 005532960135612 005529961 00529960159112515 552992058 K	CW	(F5JBR)
M21	23-1	0956	Sat	8747	=99?1256?9???? =99?1258?9???? =99?1300?9????	CW	(F5JBR)
M21	29-1	1250	Fri	4273	1120115303 8950 11202153034450 11103153024950 21203701030215 11204153041850	CW	(F5JBR)
M21	30-1	0700	Sat	8747	=99?0959?9???? =99?1001?9???? =99?1003?9????	CW (	F5JBR-J)
M21	30-1	0808	Sat	5032.5	=991108??0???? =4648464842??00 =991108??0????	CW (	F5JBR-J)
M21	30-1	0815	Sat	5219	=991115??0???? =991116??0???? =991117??0????	CW (	F5JBR-J)
M21	30-1	0825	Sat	4591.5	=99?1126?9???? =99?1128?9???? =99?1130?9????	CW (	F5JBR-J)
M22	1-1	1744	Fri	7532	VVV DE 4XZ 4XZ = =	CW	(AB/Tom)
M22	16-1	1655	Sat	6607	VVV 4XZ 4XZ = = traffic list followed by messages	CW	(AB)
M22	20-1	0655	Wed	8159	VVV DE 4XZ 4XZ = =	CW	(F5JBR)
M23	1-1	0856	Fri	5345	ST3 (R20)	CW	(AB)
M23	1-1	1856	Fri	5345	ST3 (R20)	CW	(AB/JPL-RUS)
M23	2-1	0856	Sat	5345	ST3 (R20)	CW	(AB)
M23	2-1	1856	Sat	5345	ST3 (R20)	CW	(AB/JPL-RUS)
M23	3-1	0856	Sun	5345	ST3 (R20)	CW	(AB)
M23	3-1	1856	Sun	5345	ST3 (R20)	CW	(AB/JPL-RUS)
M23	4-1	0856	Mon	5345	ST3 (R20)	CW	(AB)
M23	4-1	1856	Mon	5345	ST3 (R20)	CW	(AB)
M23	5-1	0856	Tue	5345	ST3 (R20)	CW	(AB)
M23	5-1	1856	Tue	5345	ST3 (R20)	CW	(AB/JPL)
M23	6-1	0856	Wed	5345	ST3 (R20)	CW	(AB)
M23	6-1	1856	Wed	5345	ST3 (R20)	CW	(AB/JPL)

M23	7-1	0856	Thu	5345	ST3 (R20)	CW	(AB)
M23	7-1	1856	Thu	5345	ST3 (R20)	CW	(AB)
M23	8-1	0856	Fri	5345	ST3 (R20)	CW	(AB)
M23	9-1	0856	Sat	5345	ST3 (R20)	CW	(AB)
M23	9-1	1856	Sat	5345	ST3 (R20)	CW	(AB)
M23	10-1	0856	Sun	5345	ST3 (R20)	CW	(AB)
M23	11-1	0856	Mon	5345	ST3 (R20)	CW	(AB)
M23	11-1	1856	Mon	5345	ST3 (R20)	CW	(AB/JPL)
M23	12-1	0856	Tue	5345	ST3 (R20)	CW	(AB)
M23	12-1	1856	Tue	5345	ST3 (R20)	CW	(AB/JPL)
M23	13-1	0856	Wed	5345	ST3 (R20)	CW	(AB)
M23	13-1	1856	Wed	5345	ST3 (R20)	CW	(AB/JPL)
M23	14-1	0856	Thu	5345	ST3 (R20)	CW	(AB)
M23	14-1	1856	Thu	5345	ST3 (R20)	CW	(AB/JPL)
M23	15-1	0856	Fri	5345	ST3 (R20)	CW	(AB)
M23	15-1	1605	Fri	5921	i.p. OOO	CW	(Abder)
M23	15-1	1900	Fri	5873	OOO	CW	(Abder)
M23	15-1	2055	Fri	5345	OOO (R15)	CW	(AB/Abder/RL)
M23	16-1	0755	Sat	5345	OOO (R15)	CW	(AB)
M23	16-1	0855	Sat	5873	OOO (R15)	CW	(AB)
M23	16-1	1055	Sat	5921	OOO (R15)	CW	(AB)
M23	16-1	1155	Sat	5345	OOO (R15)	CW	(AB)
M23	16-1	1455	Sat	5873	OOO (R15)	CW	(AB)
M23	16-1	1555	Sat	5921	OOO (R15)	CW	(AB)
M23	16-1	1855	Sat	5873	OOO (R15)	CW	(AB)
M23	16-1	1955	Sat	5921	OOO (R15)	CW	(AB)
M23	16-1	2055	Sat	5345	OOO (R15)	CW	(AB)
M23	17-1	0755	Sun	5345	OOO (R15)	CW	(AB)
M23	17-1	0855	Sun	5873	OOO (R15)	CW	(AB)
M23	17-1	1055	Sun	5921	OOO (R15)	CW	(AB)
M23	17-1	1155	Sun	5345	OOO (R15)	CW	(AB)
M23	17-1	1455	Sun	5873	OOO (R15)	CW	(AB)
M23	17-1	1555	Sun	5921	OOO (R15)	CW	(AB)
M23	17-1	1855	Sun	5873	OOO (R15)	CW	(AB)
M23	17-1	1955	Sun	5921	OOO (R15)	CW	(AB)
M23	17-1	2055	Sun	5345	OOO (R15)	CW	(AB)
M23	18-1	0755	Mon	5345	VVV at 0753 UTC, then at 0755 UTC: OOO (R15)	CW	(AB)
M23	18-1	0855	Mon	5873	OOO (R15)	CW	(AB)
M23	18-1	1055	Mon	5921	555 (R15)	CW	(AB)
M23	18-1	1121	Mon	7668	OOO (R)	CW	(AnEur)
M23	18-1	1155	Mon	5345	OOO (R15)	CW	(AB)
M23	18-1	1215	Mon	6961	OOO (R15)	CW	(AB)
M23	18-1	1455	Mon	5873	OOO (R15)	CW	(AB)
M23	18-1	1855	Mon	5873	OOO (R15)	CW	(AB)
M23	18-1	1955	Mon	5921	OOO (R15)	CW	(AB)
M23	18-1	2055	Mon	5345	OOO (R15)	CW	(AB)
M23	19-1	0755	Tue	5345	OOO (R15)	CW	(AB)

M23	19-1	1000	Tue	5921	TTT (R30)	CW	(AB)
M23	19-1	1100	Tue	5345	000 (R15)	CW	(AB)
M23	19-1	1120	Tue	6961	000 (R15)	CW	(AB)
M23	19-1	1400	Tue	5873	000 (R15)	CW	(AB)
M23	19-1	1455	Tue	5873	000 (R15)	CW	(AB)
M23	19-1	1500	Tue	5921	555 (R15)	CW	(AB)
M23	19-1	1800	Tue	5873	000 (R15)	CW	(AB)
M23	19-1	2000	Tue	5345	000 (R15)	CW	(AB)
M23	19-1	2020	Tue	6961	000 (R15)	CW	(AB)
M23	20-1	0700	Wed	5345	000 (R15)	CW	(AB)
M23	20-1	0720	Wed	6961	000 (R15)	CW	(AB)
M23	20-1	0720	Wed	6961	EEE (R60)	CW	(AB)
M23	20-1	0800	Wed	5873	000 (R15)	CW	(AB)
M23	20-1	1000	Wed	5921	555 (R15)	CW	(AB)
M23	20-1	1800	Wed	5873	000 (R15)	CW	(AB)
M23	20-1	2000	Wed	5345	000 (R15)	CW	(AB)
M23	21-1	0700	Thu	5345	000 (R15)	CW	(AB)
M23	21-1	0800	Thu	5873	000 (R15)	CW	(AB)
M23	21-1	1000	Thu	5921	TTT (R30)	CW	(AB)
M23	21-1	1100	Thu	5345	000 (R15)	CW	(AB)
M23	21-1	1120	Thu	6961	000 (R15)	CW	(AB)
M23	21-1	1400	Thu	5873	000 (R15)	CW	(AB)
M23	21-1	1500	Thu	5921	TTT (R30)	CW	(AB)
M23	21-1	1800	Thu	5873	000 (R15)	CW	(AB)
M23	21-1	1830	Thu	7442	000 i.p.	CW	(Abder)
M23	21-1	1900	Thu	5921	TTT (R30)	CW	(AB)
M23	21-1	2000	Thu	5345	000 (R15)	CW	(AB)
M23	21-1	2020	Thu	6961	000 (R15)	CW	(AB)
M23	22-1	0700	Fri	5345	000 (R15)	CW	(AB/F5OIH)
M23	22-1	0720	Fri	6961	000 (R15)	CW	(AB)
M23	22-1	1100	Fri	5345	000 (R15)	CW	(AB)
M23	22-1	1120	Fri	6961	000 (R15)	CW	(AB)
M23	22-1	1400	Fri	5873	000 (R15)	CW	(AB)
M23	22-1	1420	Fri	7442	000 (R15)	CW	(AB)
M23	22-1	1500	Fri	5921	333 (R12)	CW	(AB)
M23	22-1	1800	Fri	5873	000 (R15)	CW	(AB)
M23	22-1	1820	Fri	7442	000 (R15)	CW	(AB-FIN)
M23	22-1	1900	Fri	5921	333 (R12)	CW	(AB)
M23	22-1	2000	Fri	5345	000 (R15)	CW	(AB)
M23	22-1	2020	Fri	6961	000 (R15)	CW	(AB)
M23	23-1	0700	Sat	5345	000 (R15)	CW	(AB)
M23	23-1	1000	Sat	5921	TTT (R30)	CW	(AB)
M23	23-1	1100	Sat	5345	000 (R15)	CW	(AB)
M23	23-1	1120	Sat	6961	000 (R15)	CW	(AB)
M23	23-1	1400	Sat	5873	000 (R15)	CW	(AB)
M23	23-1	1420	Sat	7442	000 (R15)	CW	(AB)
M23	23-1	1500	Sat	5921	333 (R15)	CW	(AB)

M23	23-1	1800	Sat	5873	000 (R15)	CW	(AB)
M23	23-1	1820	Sat	7442	000 (R15)	CW	(AB)
M23	23-1	2000	Sat	5345	000 (R15)	CW	(AB)
M23	23-1	2020	Sat	6961	000 (R15)	CW	(AB)
M23	24-1	0700	Sun	5345	000 (R15)	CW	(AB)
M23	24-1	0800	Sun	6961	EEE (R60)	CW	(AB)
M23	24-1	1000	Sun	5921	TTT (R30)	CW	(AB)
M23	24-1	1100	Sun	5345	000 (R15)	CW	(AB)
M23	24-1	1120	Sun	6961	000 (R15)	CW	(AB)
M23	24-1	1400	Sun	5873	000 (R15)	CW	(AB)
M23	24-1	1420	Sun	7442	000 (R15)	CW	(AB)
M23	24-1	1500	Sun	5921	333 (R15)	CW	(AB)
M23	24-1	1800	Sun	5873	000 (R15)	CW	(AB)
M23	24-1	1820	Sun	7442	000 (R15)	CW	(AB)
M23	24-1	2000	Sun	5345	000 (R15)	CW	(AB)
M23	24-1	2020	Sun	6961	000 (R15)	CW	(AB)
M23	25-1	0700	Mon	5345	000 (R15)	CW	(AB)
M23	25-1	0720	Mon	6961	000 (R15)	CW	(AB)
M23	25-1	0800	Mon	5873	000 (R15)	CW	(AB)
M23	25-1	0820	Mon	7442	000 (R15)	CW	(AB)
M23	25-1	1000	Mon	5921	TTT (R30)	CW	(AB)
M23	25-1	1000	Mon	5921	TTT (R30)	CW	(AB)
M23	25-1	1100	Mon	5345	000 (R15)	CW	(AB)
M23	25-1	1120	Mon	6961	000 (R15)	CW	(AB)
M23	25-1	1400	Mon	5873	000 (R15)	CW	(AB)
M23	25-1	1420	Mon	7442	000 (R15)	CW	(AB)
M23	25-1	1800	Mon	5873	000 (R8) long zero's	CW	(AB)
M23	25-1	1820	Mon	7442	000 (R15)	CW	(AB)
M23	25-1	1900	Mon	5921	TTT (R30)	CW	(AB)
M23	25-1	2000	Mon	5345	000 (R15)	CW	(AB)
M23	25-1	2020	Mon	6961	000 (R15)	CW	(AB)
M23	26-1	0700	Tue	5345	000 (R15)	CW	(AB)
M23	26-1	0720	Tue	6961	EEE (R33)	CW	(AB)
M23	26-1	0800	Tue	5873	000 (R15)	CW	(AB)
M23	26-1	0820	Tue	7442	000 (R15)	CW	(AB)
M23	26-1	1000	Tue	5921	TTT (R30)	CW	(AB)
M23	26-1	1113	Tue	5345	EEE (R30)	CW	(AB)
M23	26-1	1120	Tue	7668	000 (R)	CW	(AnEur)
M23	26-1	1156	Tue	6961	EEE (R42)	CW	(AB)
M32	8-1	1208	Fri	5387	XXX XXX JWB1 JWB1 33389 RUANOTREK 4873 1581 K	CW	(Gwr)
M32	20-1	0736	Wed	4426	XXXX NVTI 51744 AZOBENZOL 3279 2012 K	CW	(F5JBR)
M32	20-1	0736	Wed	5517	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K	CW	(F5JBR)
M32	20-1	0736	Wed	5582	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K	CW	(F5JBR)
M32	20-1	0736	Wed	5759	XXX H7Q6 AY9X 64698 49697 NOVOROW 0282 9136 GIDOFARCh 2534 7896 K	CW	(F5JBR)
M32	20-1	0748	Wed	5517	XXX XHOP 05217 WOLVSK 6223 1726 TREFOTOR 0980 7640 K	CW	(F5JBR)
M32	20-1	0805	Wed	5517	XXX 2XYO 01016 ZAMOMETR 2720 5122 K	CW	(F5JBR)
M32	20-1	0817	Wed	6432	XXX NVTI 04568 MYSOWRED 0170 2840 K	CW	(F5JBR)

M32	20-1	1150	Wed	5759	XXX XXX KFXB KFXB H7Q6 H7Q6 94955 16328 OBTERATELX 7251 3954 K	CW	(Gwr)
M32	23-1	0912	Sat	5867	RDL RDL 40357 70806 46306 77806 56306 77806 K	CW	(F5JBR)
M32	25-1	1142	Mon	5418	XXX XXX XHOP XHOP 11517 BLUDOTIBR 5888 1142 K. BK BK BK RPT AA 10 K	CW	(JPL-RUS)
M32	25-1	1200	Mon	5869	KLVS KLVS KLVS 300 21 25 1600 300 = 922 = MMMMM XIRTU ...	CW	(JPL-RUS)
M32	28-1	0651	Thu	4848.5	XXX PNHL 17284 42106 01454 09331 66103 GNOMOKTX 8229 2921 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	0700	Thu	4848.5	XXX PNHL 17034 80539 09520 34577 11182 SKAZOTIRS 7286 5453 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	0724	Thu	4848.5	XXX PNHL 42051 11919 53243 19193 62480 NEREChEMOSTX 3092 4266 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	0730	Thu	4848.5	XXX PNHL 73392 87445 18941 87341 71400 IDIchOChLAG 0668 3974 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	0950	Thu	4848.5	XXX PNHL 56623 25954 87902 82423 23827 POKRYChKA 3969 0275 3969 9275 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	1011	Thu	4848.5	XXX PNHL 95140 58971 89333 30414 82523 DUHONÛH 8735 3942 K (JS7I, MAYM, S9FX acknowledge receipt)	CW	(F5JBR)
M32	28-1	1014	Thu	4848.5	XXX PNHL 90283 96180 60259 TEINOËED 0623 4852 K	CW	(F5JBR)
M32	28-1	1016	Thu	4848.5	XXX PNHL 91523 62128 99839 MUVOBRA5 1832 3967 K	CW	(F5JBR)
M32	28-1	1018	Thu	4848.5	XXX PNHL 90735 13455 52033 S FWOChEF 1314 7738 K	CW	(F5JBR)
M32	28-1	1020	Thu	4848.5	XXX PNHL 82994 61411 20206 77665 41587 FRIKASE 7245 7878 K	CW	(F5JBR)
M32	28-1	1023	Thu	4848.5	XXX PNHL 11313 57663 23645 56450 23891 POSTUSLOWXE 3092 6281 K	CW	(F5JBR)
M32	28-1	1026	Thu	4848.5	XXX PNHL 98568 23965 42608 86446 FLIKOHUK 8889 2405 K	CW	(F5JBR)
M32	28-1	1029	Thu	4848.5	XXX PNHL 91118 56417 57003 11324 14824 DEBIT 1267 4350 K	CW	(F5JBR)
M32	28-1	1032	Thu	4848.5	XXX PNHL 79930 20704 63181 54363 55869 FLÛORIT 9328 7637 K	CW	(F5JBR)
M32	28-1	1035	Thu	4848.5	XXX PNHL 33258 79047 47184 93439 38540 BATORSKIJ 0030 4661 K	CW	(F5JBR)
M32a	24-1	1705	Sun	8626	VVV RLD64 RLD64 DE RMP RMP QSA? QTC K RLD64 RLD64 RLD64 DE RMP RMP QTC = 762 16 24 1002 762 =	CW	(2182DX)
M32b	19-1	0810	Tue	8816	rjc38 rjf94 de 54505 qtr 0800 qth 17632 14053 qbg 230 k	CW	(WP3)
M32b	19-1	0853	Tue	8816	rjc38 rjf94 de 09547 qre 1040 qbd 0600 k	CW	(WP3)
M32b	19-1	1056	Tue	8816	rjc38 rjf94 de 54515 qto 1045 qrd XUMB XRKE qbd 0900 qre 1345 k	CW	(WP3)
M32b	19-1	1228	Tue	8816	rjc38 rjf94 de 54505 qto 1217 qrd XLMD XLDH qbd 0600 qre 1500 k	CW	(WP3)
M41	9-1	0928	Sat	4922.5	i.p. X63Y X63Y AR	CW	(F5JBR)
M41	10-1	0920	Sun	4768.5	72219489010907616128721201054 ABV 72219489010907616128721201054 SCR7 AR	CW	(F5JBR)
M41	11-1	0742	Mon	5461.5	Russian Air Defence 8500 095348741 1928500 09534470942 K	CW	(F5JBR)
M42	25-1	0935	Mon	14684	Russian diplo/intel.	MFSK	(AB)
M42b	9-1	1556	Sat	4040	AIFH de CDAP QSY 92666 K	CW	(F5JBR)
M42b	9-1	1736	Sat	2700	DATZ wkg VFGK. QSA NO NIL SK	CW	(F5JBR)
M42b	21-1	0648	Thu	5921	VVV VVV VL8D VL8D VL8D DE PK7F PK7F K QSY 70214 QSY 70214 K	CW	(AB)
M42b	21-1	0735	Thu	10762	A2JW wkg DLXT. QSX 8191 kHz	CW/FSK 50/500	(F5JBR)
M42b	29-1	0909	Fri	5242	WYGL wkg JJNE: R 392 0915. QTC 1. QRU NIL SK. Message in FSK 50/500	CW/FSK 50/500	(F5JBR)
M51a	16-1	0800	Sat	3881	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	16-1	0800	Sat	6825	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	16-1	0920	Sat	3881	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	16-1	0920	Sat	6825	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	3-1	1031	Sun	6825	i.p. aqpon cndkw xmakw dlwpe rugby odfrt bhgcd ormwX 96547 cmvnr ...	CW	(RL)
M51b	16-1	0845	Sat	3881	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	16-1	0845	Sat	6825	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	16-1	0950	Sat	3881	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	16-1	0950	Sat	6825	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)

M51b	23-1	1756	Sat	3881	i.p. wbnhd aoldp jksma hjwks hdgry ...	CW	(RL)
M51b	27-1	1517	Wed	6825	i.p. 56372 bwvdy ikdhy xbcjs gbwjz ujwkl jkdbv yhcir yhxvf gbfy...36980 khjcm lgdhj cbetj aqwot ...	CW	(RL)
M51b	31-1	1316	Sun	6825	i.p. ajqkl 23492 hbcgd xnwqj sdzol apmqj hgbcv ...	CW	(RL)
M89	1-1	0020	Fri	6378	V BSA5 (x3) DE TP4C (x2) 660/3398/1343/73/73/7674/397/A AR = 660/3398/1343/73/73/7674/397/A AR //7045	CW	(JPL)
M89	1-1	0020	Fri	7045	V BSA5 (x3) DE TP4C (x2) 660/3398/1343/73/73/7674/397/A AR = 660/3398/1343/73/73/7674/397/A AR //6378	CW	(JPL)
M89	1-1	1120	Fri	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	1-1	1120	Fri	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	1-1	1120	Fri	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	1-1	1120	Fri	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	1-1	1120	Fri	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	1-1	1130	Fri	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	1-1	1130	Fri	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	1-1	1210	Fri	4718	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	1-1	1245	Fri	5884	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	1-1	1810	Fri	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	2-1	1828	Sat	5884	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	2-1	1829	Sat	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	2-1	1832	Sat	3127	i.p. QSA ? K QSA 2 IEC = 9606 AR K (Exercise related) R = 8463 AR K R U LL HR K R	CW	(JPL)
M89	2-1	1839	Sat	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	2-1	1920	Sat	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) // 4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	2-1	1920	Sat	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	2-1	1920	Sat	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	2-1	1920	Sat	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	2-1	1920	Sat	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	2-1	1930	Sat	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	2-1	1930	Sat	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3-1	1844	Sun	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	3-1	1844	Sun	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	5-1	1808	Tue	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	5-1	1808	Tue	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	5-1	1813	Tue	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	6-1	1120	Wed	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	6-1	1120	Wed	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	6-1	1120	Wed	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6-1	1120	Wed	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6-1	1120	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	6-1	1122	Wed	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	6-1	1122	Wed	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	6-1	1130	Wed	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	6-1	1130	Wed	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	8-1	1120	Fri	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	8-1	1120	Fri	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	8-1	1120	Fri	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	8-1	1120	Fri	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	8-1	1120	Fri	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	8-1	1122	Fri	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	8-1	1122	Fri	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)

M89	8-1	1125	Fri	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	8-1	1130	Fri	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	8-1	1130	Fri	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	9-1	0919	Sat	6140	IW6S de 5D6T V	CW	(F5JBR)
M89	9-1	0948	Sat	4718	BSA5 de TP4C V	CW	(F5JBR)
M89	9-1	1550	Sat	4043	IW6S de 5D6T V	CW	(F5JBR)
M89	9-1	1618	Sat	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	9-1	1618	Sat	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	9-1	1625	Sat	4514	i.p. T4N3 5T45 TADT U4A7 AR K R RPT 1P97W BT 7UTU 7UTU AR K R R R GA K	CW	(JPL)
M89	9-1	1630	Sat	5198	i.p. 210/XZ689/7607/96/69/66/X289A/COMM/1129 AR HR SVC GA HR SVC GA = 210/XZ689/7607/96/69/66/X289A/COMM/1129 AR	CW	(JPL)
M89	11-1	1923	Mon	2984	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	11-1	1932	Mon	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	11-1	1932	Mon	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	12-1	0011	Tue	2984	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	12-1	0015	Tue	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	12-1	0020	Tue	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	12-1	0020	Tue	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	12-1	0020	Tue	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	12-1	0020	Tue	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	12-1	0020	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	12-1	0029	Tue	6378	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	12-1	0029	Tue	7045	V BSA5 (x3) DE TP4C (x2) //6348	CW	(JPL)
M89	12-1	0030	Tue	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	12-1	0030	Tue	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	12-1	0102	Tue	10456	i.p. T637 N753 7636 6A36 AT6N DTN5 3NAU N447 ... AR K R RPT 45W = T4AU T4AU AR K	CW	(JPL)
M89	12-1	1116	Tue	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	12-1	1119	Tue	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	12-1	1119	Tue	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	12-1	1120	Tue	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	12-1	1120	Tue	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	12-1	1120	Tue	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	12-1	1120	Tue	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	12-1	1120	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	12-1	1130	Tue	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	12-1	1130	Tue	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	14-1	1843	Thu	2984	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	14-1	1845	Thu	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	14-1	1845	Thu	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	19-1	1212	Tue	4898	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	19-1	1216	Tue	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	19-1	1218	Tue	3565	V BSA5 (x3) DE TP4C (x2) //4718 and 6378	CW	(JPL)
M89	19-1	1218	Tue	4718	V BSA5 (x3) DE TP4C (x2) //3565 and 6378	CW	(JPL)
M89	19-1	1218	Tue	6378	V BSA5 (x3) DE TP4C (x2) //3565 and 4718	CW	(JPL)
M89	19-1	1220	Tue	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	19-1	1220	Tue	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	19-1	1220	Tue	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)

M89	19-1	1220	Tue	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	19-1	1220	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	19-1	1225	Tue	5555	i.p. VV FF JKU5 JKU5 NR 6087/EX 0929 = A1B2/D1C4 II FFF NR 9087/EX 0924 =	CW	(JPL)
M89	19-1	1230	Tue	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	19-1	1230	Tue	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	19-1	2040	Tue	2984	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	19-1	2042	Tue	4043	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	20-1	0909	Wed	3565	V BSA5 (x3) DE TP4C (x2) //4718 and 6378 and 7045	CW	(JPL)
M89	20-1	0909	Wed	4718	V BSA5 (x3) DE TP4C (x2) //3565 and 6378 and 7045	CW	(JPL)
M89	20-1	0909	Wed	6378	V BSA5 (x3) DE TP4C (x2) //3565 and 4718 and 7045	CW	(JPL)
M89	20-1	0909	Wed	7045	V BSA5 (x3) DE TP4C (x2) //3565 and 4718 and 6378	CW	(JPL)
M89	20-1	0914	Wed	6140	V IW6S (x3) DE 5D6T(x2) //N/H	CW	(JPL)
M89	20-1	0924	Wed	5725	i.p. CQ (x3) DE DP91 (x2) V HR NIL SK GB (x4)	CW	(JPL)
M89	20-1	0924	Wed	5767	i.p. UA7D 64AN 5U67 53NA AR R R	CW	(JPL)
M89	20-1	1218	Wed	6378	V BSA5 (x3) DE TP4C (x2) //3565 and 4718	CW	(JPL)
M89	20-1	1620	Wed	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	20-1	1620	Wed	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	20-1	1620	Wed	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	20-1	1620	Wed	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	20-1	1620	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	20-1	1628	Wed	4898	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	20-1	1630	Wed	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	20-1	1630	Wed	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	20-1	1842	Wed	3127	DE 0MIK R QSA 1 QSA ? K N QSA 2 IEC = 6956 AR K (Exercise related)	CW	(JPL)
M89	21-1	1842	Thu	2984	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	21-1	1845	Thu	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	21-1	1845	Thu	3866	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	21-1	1845	Thu	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	23-1	0850	Sat	6378	BSA5 de TP4C V	CW	(F5JBR)
M89	23-1	1409	Sat	3211	Y3BK wkg 1WBZ 4HIA OQ2D SU7L LT9D HE9D. Outstations are using a different c/s for their answer	CW	(F5JBR)
M89	25-1	1210	Mon	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	25-1	1210	Mon	4231	i.p. 44U4 5NA7 T534 U343 6DD3 ... (Extremely fast)	CW	(JPL)
M89	25-1	1210	Mon	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	25-1	1212	Mon	6140	V L5S3 (x3) DE Z4Y6 (x2) //4718	CW	(JPL)
M89	25-1	1218	Mon	4898	V QWS1 (x3) DE 87DS (x2) //N/H	CW	(JPL)
M89	25-1	1220	Mon	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	25-1	1220	Mon	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	25-1	1220	Mon	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	25-1	1220	Mon	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	25-1	1220	Mon	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	25-1	1230	Mon	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	25-1	1230	Mon	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	25-1	1254	Mon	4226	i.p. 6AAT 653N 53N3 DU6A 4446 43T4 ...	CW	(JPL)
M89	25-1	1255	Mon	4543	i.p. D765 44DU UAN7 ...	CW	(JPL)
M89	25-1	1257	Mon	5145	i.p. 43T3 4534 5AAU 4NA6 7637 N6UN TDND NAT6 DA5N ...	CW	(JPL)
M89	25-1	1259	Mon	5241	i.p. 32 0125 2040 RMKS 5775 TO 5771 K MSG NR 01 CK 50 32 0125 2040 RMKS 5775 TO 5771 AR K	CW	(JPL)
M89	25-1	1259	Mon	5437	i.p. 5744 N3UD 445A UTU7 4D3U 7546 AR QSL ? K N QSL 2104 K (Both stations on this frequency)	CW	(JPL)

M89	25-1	2320	Mon	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	25-1	2320	Mon	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	25-1	2320	Mon	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	25-1	2320	Mon	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	25-1	2320	Mon	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	25-1	2330	Mon	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	25-1	2330	Mon	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	25-1	2331	Mon	3565	V BSA5 (x3) DE TP4C (x2) //4718 and 6378 and 7045	CW	(JPL)
M89	25-1	2331	Mon	4718	V BSA5 (x3) DE TP4C (x2) //3565 and 6378 and 7045	CW	(JPL)
M89	25-1	2331	Mon	6378	V BSA5 (x3) DE TP4C (x2) //3565 and 4718 and 7045	CW	(JPL)
M89	25-1	2331	Mon	7045	V BSA5 (x3) DE TP4C (x2) //3565 and 4718 and 6378	CW	(JPL)
M89	26-1	1117	Tue	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	26-1	1117	Tue	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	26-1	1119	Tue	3570	i.p. 65DD 7463 TU7A 6T77 ...	CW	(JPL)
M89	26-1	1120	Tue	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	26-1	1120	Tue	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	26-1	1120	Tue	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	26-1	1120	Tue	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	26-1	1120	Tue	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	26-1	1122	Tue	4043	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	26-1	1130	Tue	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	26-1	1130	Tue	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	27-1	1111	Wed	3565	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	27-1	1111	Wed	4718	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	27-1	1115	Wed	4043	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	27-1	1116	Wed	4058	i.p. T767 N7U4 ATDD 4AU4 55D7 TT5N 7UT3 ...	CW	(JPL)
M89	27-1	1118	Wed	4326	i.p. D456 6DU5 7657 7A3U U6A5 7UD3 ND6A ...	CW	(JPL)
M89	27-1	1120	Wed	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	27-1	1120	Wed	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	27-1	1120	Wed	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	27-1	1120	Wed	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	27-1	1120	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	27-1	1130	Wed	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	27-1	1130	Wed	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	27-1	1837	Wed	4587	i.p. R QSA 2 IEC = E545 AR K (Exercise related) R HR 7G GA K R MSG NR 245/EX CK 91 87 0128 0200 RMKS 6890 TO 9477 =	CW	(JPL)
M89	27-1	1916	Wed	3808	i.p. TTT5 TTNU 5563 4T4U 4UN6 U444 N6DN 34U3 ... AR K (Repeats groups) K	CW	(JPL)
M89	27-1	1920	Wed	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	27-1	1920	Wed	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	27-1	1920	Wed	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	27-1	1920	Wed	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	27-1	1920	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	27-1	1925	Wed	4464	i.p. QSY 08F5 VVV (Probably Exercise related)	CW	(JPL)
M89	27-1	1927	Wed	4798	i.p. F NR 6238/EX 0327 = B3K/S9A AR B3K/S9A AR	CW	(JPL)
M89	27-1	1937	Wed	3380	i.p. R RPT 25W = TA6T TA6T AR K R RPT 48W = ADU4 ADU4 AR K R RPT 78W TO 79W = 5N37 34T6 5N37 34T6 AR K	CW	(JPL)
M89	27-1	2320	Wed	3850	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	27-1	2320	Wed	4860	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)

M89	27-1	2320	Wed	5640	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	27-1	2320	Wed	6320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	27-1	2320	Wed	6840	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	27-1	2330	Wed	4720	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	27-1	2330	Wed	5150	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	30-1	0820	Sat	8360	Q2M de NYZ VVV	CW	(F5JBR-J)
M89	30-1	1242	Sat	3968	YHxD de SAQC V	CW	(F5JBR-J)
M89	30-1	1250	Sat	4043	L5S3 de Z4Q6 V	CW	(F5JBR-J)
M89	30-1	1316	Sat	3565	BSA5 de TP4C V	CW	(F5JBR-J)
M89	31-1	0555	Sun	6378	BSA5 de TP4C V	CW	(F5JBR-J)
M95	1-1	0006	Fri	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0001 CK 130 35 0101 0708 = TTA 3U4 3A4 TAU 773 ... //8073	CW	(JPL)
M95	1-1	0006	Fri	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0001 CK 130 35 0101 0708 = TTA 3U4 3A4 TAU 773 ... //4364	CW	(JPL)
M95	1-1	0040	Fri	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	1-1	0040	Fri	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	1-1	1140	Fri	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0003 CK 381 35 0101 1553 = TTA 3U6 3AN 3U7 TAU ... //8973	CW	(JPL)
M95	1-1	1140	Fri	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0003 CK 381 35 0101 1553 = TTA 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)
M95	1-1	1149	Fri	4243	V HR 7G TO YR PSE CY NR 052 CK 47 35 0101 1515 = 5AA UTT TTA 3U6 3A4 5T7 5TD N44 5TN 75U ...	CW	(JPL)
M95	1-1	1801	Fri	3968	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	2-1	1846	Sat	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	2-1	1846	Sat	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5-1	1811	Tue	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	5-1	1811	Tue	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	6-1	1153	Wed	4364	V BNGC (x3) DE XSV85 (x2) NR 00U3 CK 3NA 35 0AT6 ADTU = TT6 3U6 3AN 3U7 ... //8073	CW	(JPL)
M95	6-1	1153	Wed	8073	V BNGC (x3) DE XSV85 (x2) NR 00U3 CK 3NA 35 0AT6 ADTU = TT6 3U6 3AN 3U7 ... //4364	CW	(JPL)
M95	6-1	1155	Wed	4243	i.p. AR HR 7G GA NR 047 CK 17 35 0106 1611 = UT5 U63 A6 7TA TTA ...	CW	(JPL)
M95	6-1	1207	Wed	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	6-1	1207	Wed	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	8-1	1142	Fri	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0031 CK 269 35 0108 16.. = //8073	CW	(JPL)
M95	8-1	1142	Fri	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0031 CK 269 35 0108 16.. = //4364	CW	(JPL)
M95	8-1	1149	Fri	4243	V HR 7G TO YR PSE CY NR 066 CK 46 35 0108 1523 =	CW	(JPL)
M95	8-1	1205	Fri	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	8-1	1205	Fri	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	9-1	1020	Sat	5479	YHxD de SAQC V	CW	(F5JBR)
M95	9-1	1621	Sat	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	9-1	1621	Sat	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	11-1	1937	Mon	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	11-1	1937	Mon	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	12-1	0018	Tue	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	12-1	0018	Tue	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	12-1	0100	Tue	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	12-1	0100	Tue	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	12-1	1111	Tue	10722	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	12-1	1141	Tue	4364		CW	(JPL)
M95	12-1	1148	Tue	4243	V HR 7G TO YR PSE CY NR 074 CK 49 35 0112 1506 = 5AA UTT TAU 3U6 3A4 ... //9054	CW	(JPL)
M95	12-1	1148	Tue	9054	V HR 7G TO YR PSE CY NR 074 CK 49 35 0112 1506 = 5AA UTT TAU 3U6 3A4 ... //4243	CW	(JPL)
M95	14-1	1841	Thu	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	14-1	1841	Thu	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)

M95	18-1	1141	Mon	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0070 CK 30A 35 0AAD A5DA = //8073	CW	(JPL)
M95	18-1	1141	Mon	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0070 CK 30A 35 0AAD A5DA = //4364	CW	(JPL)
M95	18-1	1149	Mon	4243	V HR 7G TO YR PSE CY NR 086 CK 52 35 0118 1527 = AA UTT T TAD 3U6 ... //9054	CW	(JPL)
M95	18-1	1149	Mon	9054	V HR 7G TO YR PSE CY NR 086 CK 52 35 0118 1527 = AA UTT T TAD 3U6 ... //4243	CW	(JPL)
M95	19-1	1140	Tue	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0075 CK 330 35 0119 1614 = //8073	CW	(JPL)
M95	19-1	1140	Tue	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0075 CK 330 35 0119 1614 = //4364	CW	(JPL)
M95	19-1	1150	Tue	4243	HR 7G TO YR PSE CY NR 088 CK 57 35 0119 1621 = //9054	CW	(JPL)
M95	19-1	1150	Tue	9054	HR 7G TO YR PSE CY NR 088 CK 57 35 0119 1621 = //4243	CW	(JPL)
M95	19-1	1208	Tue	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	19-1	2037	Tue	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	19-1	2037	Tue	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	20-1	0902	Wed	5479	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	20-1	1621	Wed	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	20-1	1621	Wed	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	21-1	2301	Thu	6936	V YHxD YHxD YHxD DE SAQC SAQC	CW	(PP1)
M95	22-1	2144	Fri	6936	V YHxD YHxD YHxD DE SAQC SAQC	CW	(PP1)
M95	25-1	1139	Mon	4364	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0090 CK 336 35 0125 1615 = //8073	CW	(JPL)
M95	25-1	1139	Mon	8073	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0090 CK 336 35 0125 1615 = //4364	CW	(JPL)
M95	25-1	1150	Mon	4243	V HR 7G TO YR PSE CY NR 01 CK 49 49 0122 1500 = TN6 AUD D5U N7N TU5 ... //9054	CW	(JPL)
M95	25-1	1150	Mon	9054	V HR 7G TO YR PSE CY NR 01 CK 49 49 0122 1500 = TN6 AUD D5U N7N TU5 ... //4243	CW	(JPL)
M95	25-1	1245	Mon	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	25-1	1245	Mon	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	25-1	2346	Mon	4243	V HR 7G TO YR PSE CY NR 017 CK 18 35 0126 0618 = UT5 TU6 3U4 3A4 TTA ... //9054	CW	(JPL)
M95	25-1	2346	Mon	9054	V HR 7G TO YR PSE CY NR 017 CK 18 35 0126 0618 = UT5 TU6 3U4 3A4 TTA ... //4243	CW	(JPL)
M95	26-1	0000	Tue	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0091 CK 146 35 0126 0701 = //8073	CW	(JPL)
M95	26-1	0000	Tue	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0091 CK 146 35 0126 0701 = //4364	CW	(JPL)
M95	26-1	1140	Tue	4364	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0093 CK 36D 35 TUA6 A63T = //8073	CW	(JPL)
M95	26-1	1140	Tue	8073	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0093 CK 36D 35 TUA6 A63T = //4364	CW	(JPL)
M95	26-1	1149	Tue	4243	V HR 7G TO YR PSE CY NR 002 CK 39 35 0126 1542 = //9054	CW	(JPL)
M95	26-1	1149	Tue	9054	V HR 7G TO YR PSE CY NR 002 CK 39 35 0126 1542 = //4243	CW	(JPL)
M95	26-1	1203	Tue	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	26-1	1203	Tue	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	27-1	1109	Wed	5479	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	27-1	1109	Wed	10722	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	27-1	1144	Wed	4364	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0097 CK 455 35 0127 1632 = //8073	CW	(JPL)
M95	27-1	1144	Wed	8073	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0097 CK 455 35 0127 1632 = //4364	CW	(JPL)
M95	27-1	1155	Wed	4243	V HR MSG TO YR PSE CY NR 004 CK 55 35 0127 1523 = 5AA UTT TU7 ... //9054	CW	(JPL)
M95	27-1	1155	Wed	9054	V HR MSG TO YR PSE CY NR 004 CK 55 35 0127 1523 = 5AA UTT TU7 ... //4243	CW	(JPL)
M95	27-1	1823	Wed	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	27-1	1823	Wed	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	27-1	2332	Wed	3968	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	27-1	2332	Wed	6936	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	27-1	2349	Wed	4243	V HR MSG TO YR PSE CY NR 026 CK 27 35 0128 0608 = UT5 TUD 3U4 3A4 ... //9054	CW	(JPL)
M95	27-1	2349	Wed	9054	V HR MSG TO YR PSE CY NR 026 CK 27 35 0128 0608 = UT5 TUD 3U4 3A4 ... //4243	CW	(JPL)
M95	30-1	0739	Sat	6830	GMQM wkg ZLR2: HR MSG NR 074/CCK CK 190601301540 RMKS 7546 TO 7263 K 3N6T A574 DUNR ...	CW	(F5JBR-J)
M95	31-1	0545	Sun	5479	YHxD de SAQC V	CW	(F5JBR-J)
MX	4-1	0856	Mon	8494.8	Beacon P, Kaliningrad	CW	(RL)

MX	12-1	1038	Tue	7611	Beacon V	CW	(FT)
MX	12-1	1217	Tue	10871.8	Beacon P, Kaliningrad	CW	(AB)
MX	12-1	1219	Tue	13527.7	Beacon D, Sevastopol	CW	(AB)
MX	12-1	1219	Tue	13527.8	Beacon P, Kaliningrad	CW	(AB)
MX	12-1	1219	Tue	13527.9	Beacon S, Sevoromorsk	CW	(AB)
MX	12-1	1219	Tue	13528	Beacon C, Moscow	CW	(AB)
MX	12-1	1229	Tue	16331.7	Beacon D, Sevastopol	CW	(AB)
MX	12-1	1229	Tue	16331.9	Beacon S, Sevoromorsk	CW	(AB)
MX	12-1	1229	Tue	16332.1	Beacon A, Astrakhahn	CW	(AB)
MX	21-1	1501	Thu	7508.7	Beacon D, Sevastopol	CW	(AB)
MX	21-1	1501	Thu	7508.8	Beacon P, kaliningrad	CW	(AB)
MX	25-1	1643	Mon	7508.7	Beacon D, Sevastopol	CW	(RL)
MX	30-1	0723	Sat	8495.4	Beacon M, Magadan	CW	(F5JBR-J)
P03e	1-1	1440	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	1-1	1445	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	3-1	1440	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	3-1	1445	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	3-1	1725	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	3-1	1730	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5-1	1725	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5-1	1730	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	8-1	1440	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	8-1	1445	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10-1	1440	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10-1	1445	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10-1	1725	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10-1	1730	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-1	1725	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	12-1	1730	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	15-1	1440	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	15-1	1445	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-1	1440	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-1	1445	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-1	1725	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	17-1	1730	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-1	1725	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	19-1	1730	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	22-1	1440	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	22-1	1445	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	24-1	1440	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	24-1	1445	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	24-1	1725	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	24-1	1730	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	26-1	1725	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	26-1	1730	Tue	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	29-1	1440	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	29-1	1445	Fri	10800	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

P03e	31-1	1440	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	31-1	1445	Sun	10800	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	31-1	1725	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	31-1	1730	Sun	5082	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03g	1-1	1330	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-1	1335	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	6-1	1330	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	6-1	1335	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	8-1	1330	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	8-1	1335	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	15-1	1330	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	15-1	1335	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	20-1	1330	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	20-1	1335	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	22-1	1330	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	22-1	1335	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	27-1	1330	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-1	1335	Wed	13046	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-1	1330	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	29-1	1335	Fri	13046	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03h	4-1	0530	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	4-1	0535	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	6-1	0530	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	6-1	0535	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	11-1	0530	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	11-1	0535	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	13-1	0530	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	13-1	0535	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	18-1	0530	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	18-1	0535	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	20-1	0530	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	20-1	0535	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	25-1	0530	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	25-1	0535	Mon	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	27-1	0530	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	27-1	0535	Wed	9079	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	5-1	0725	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	5-1	0730	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	5-1	0800	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	5-1	0805	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	5-1	1800	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	5-1	1810	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6-1	0800	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6-1	0805	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-1	0725	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-1	0730	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	7-1	1800	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/RL)

P03i	7-1	1810	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/RL)
P03i	12-1	0725	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	12-1	0730	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	12-1	0800	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	12-1	0805	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	12-1	1800	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	12-1	1810	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-1	0800	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	13-1	0805	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-1	0725	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-1	0730	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-1	1800	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14-1	1810	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	19-1	0725	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	19-1	0730	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	19-1	0800	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	19-1	0805	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	19-1	1800	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	19-1	1810	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	20-1	0800	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	20-1	0805	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-1	0725	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-1	0730	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	21-1	1800	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	21-1	1810	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	26-1	0725	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	26-1	0730	Tue	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	26-1	0800	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	26-1	0805	Tue	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	26-1	1800	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	26-1	1810	Tue	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	27-1	0800	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	27-1	0805	Wed	14656	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-1	0725	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-1	0730	Thu	9052	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	28-1	1800	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	28-1	1810	Thu	6480	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03j	4-1	1830	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	4-1	1835	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	7-1	1830	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-1	1835	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-1	1830	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	11-1	1835	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	14-1	1830	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-1	1835	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-1	1830	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	18-1	1835	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)

P03j	21-1	1830	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-1	1835	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-1	1830	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-1	1835	Mon	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-1	1830	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-1	1835	Thu	6906	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	1-1	0505	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	0510	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	1500	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	1505	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	1635	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-1	1640	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	0500	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	0505	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1140	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1145	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1320	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1325	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1500	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1505	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1600	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-1	1605	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	0500	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	0505	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1320	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1325	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1410	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1415	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1500	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-1	1505	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-1	1410	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-1	1415	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-1	1635	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4-1	1640	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5-1	1140	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB/FT-FIN/MPJ)
P03k	5-1	1145	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB/FT-FIN/MPJ)
P03k	6-1	1500	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-1	1505	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-1	1600	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-1	1605	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	8-1	0505	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-1	0510	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-1	1500	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-1	1505	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-1	1140	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-1	1145	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-1	1320	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	9-1	1325	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-1	1500	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-1	1505	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-1	1600	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-1	1605	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10-1	1320	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1325	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1410	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1415	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1500	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1505	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1410	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1415	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1635	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-1	1640	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-1	1140	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB/FT)
P03k	12-1	1145	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB/FT)
P03k	13-1	1500	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-1	1505	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13-1	1600	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-1	1605	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-1	0505	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-1	0510	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-1	1500	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-1	1505	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-1	1635	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	15-1	1640	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-1	0500	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	0505	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1140	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-1	1145	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-1	1320	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-1	1325	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	16-1	1500	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1505	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1600	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1605	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	0500	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	0505	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	0505	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	0510	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1320	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1325	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1410	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1415	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1500	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1505	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	18-1	1410	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1415	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1635	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-1	1640	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-1	1500	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-1	1505	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	20-1	1600	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-1	1605	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	0505	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	0510	Fri	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	1500	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-1	1505	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	22-1	1635	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-1	1640	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	0500	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	0505	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1140	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1145	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1320	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1325	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1500	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1505	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1600	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1605	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	0500	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	0505	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	0505	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	0510	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	1320	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-1	1325	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-1	1410	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-1	1415	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	24-1	1500	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	1505	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-1	1410	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-1	1415	Mon	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-1	1635	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	25-1	1640	Mon	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	26-1	1140	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-1	1145	Tue	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-1	1500	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-1	1505	Wed	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-1	1600	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	27-1	1605	Wed	14975	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-1	1500	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-1	1505	Fri	8680	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	29-1	1635	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	29-1	1640	Fri	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-1	0500	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	0505	Sat	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1140	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1145	Sat	14415	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1320	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-1	1325	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-1	1500	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1505	Sat	4356	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1600	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-1	1605	Sat	14975	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	0500	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	0505	Sun	5371	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	0505	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	0510	Sun	5409	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	1320	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-1	1325	Sun	4356	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-1	1410	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ/RL)
P03k	31-1	1415	Sun	13470	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-1	1500	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	1505	Sun	8680	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-1	1230	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	1-1	1235	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	2-1	0610	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	2-1	0615	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	0610	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	0615	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	1120	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-1	1125	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-1	1120	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	6-1	1125	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	6-1	1230	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-1	1235	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-1	1230	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	8-1	1235	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	9-1	0610	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9-1	0615	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-1	0610	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-1	0615	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-1	1120	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-1	1125	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1120	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1125	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1230	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-1	1235	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-1	1230	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	15-1	1235	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)

P03I	16-1	0610	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-1	0615	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-1	0610	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-1	0615	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-1	1120	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	17-1	1125	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-1	1120	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-1	1125	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-1	1230	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	20-1	1235	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	23-1	0610	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-1	0615	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	0610	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	0615	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	1120	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	1125	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-1	1120	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-1	1125	Wed	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-1	1230	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	27-1	1235	Wed	5779	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	29-1	1230	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-1	1235	Fri	5779	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-1	0610	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-1	0615	Sat	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	0610	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	0615	Sun	4356	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1120	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1125	Sun	9079	Polish intel.	QPSK 100Bd/464bp	(AB)
Q26	1-1	0002	Fri	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	1-1	0002	Fri	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	1-1	1131	Fri	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	1-1	1131	Fri	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	1-1	1146	Fri	4243	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	6-1	1131	Wed	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 USB	(JPL)
Q26	6-1	1131	Wed	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 USB	(JPL)
Q26	6-1	1142	Wed	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	6-1	1142	Wed	8063	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8-1	1132	Fri	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8-1	1132	Fri	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8-1	1144	Fri	4243	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	12-1	1131	Tue	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	12-1	1146	Tue	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	12-1	1146	Tue	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	18-1	1134	Mon	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	18-1	1134	Mon	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	18-1	1145	Mon	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	18-1	1145	Mon	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)

Q26	19-1	1137	Tue	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	19-1	1137	Tue	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	19-1	1145	Tue	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	19-1	1145	Tue	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	1138	Mon	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	1138	Mon	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	1142	Mon	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	1142	Mon	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	2342	Mon	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	25-1	2342	Mon	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	26-1	1130	Tue	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	26-1	1130	Tue	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	26-1	1145	Tue	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	26-1	1145	Tue	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	0707	Wed	14555	QCNW DE DDGS DDGS DDGS QSA?	4+4 QPSK 75/3000 LSB	(DKR)
Q26	27-1	1131	Wed	4364	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	1131	Wed	8073	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	1148	Wed	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	1148	Wed	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	2345	Wed	4243	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	27-1	2345	Wed	9054	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
RMv	18-1	1415	Mon	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1649. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	19-1	1415	Tue	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 8573. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	20-1	1415	Wed	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2875. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	21-1	1415	Thu	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1844. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	22-1	1415	Fri	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2947. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	25-1	1414	Mon	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 3354. 16 chasov 14 minut konec svyazi	USB	(Gwr)
RMv	26-1	1415	Tue	5045	Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	27-1	1415	Wed	5045	10-counts. Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 1244. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	28-1	1413	Thu	5045	10-count. Tsaplya, Caplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
S06	1-1	2000	Fri	7553	768 768 768 00000	USB	(Danix/HFD)
S06	1-1	2100	Fri	5329	768 768 768 00000	USB	(AB/HFD)
S06	3-1	0930	Sun	9946	480 672 40 60191 55235 55110 ... 00691 33721 03136 672 40 00000	USB	(AB)
S06	3-1	1000	Sun	8095	480 672 40 60191 55235 55110 ... 00691 33721 03136 672 40 00000	USB	(AB)
S06	9-1	1300	Sat	7377	480 391 40 25259 82385 32074 ... 71635 06269 35975 391 40 00000	USB	(AB)
S06	9-1	1330	Sat	5410	480 391 40 25259 82385 32074 ... 71635 06269 35975 391 40 00000	USB	(AB)
S06	10-1	0930	Sun	9946	480 391 40 25259 82385 32074 ... 71635 06269 35975 391 40 00000	USB	(AB/HFD)
S06	10-1	1000	Sun	8095	480 391 40 25259 82385 32074 ... 71635 06269 35975 391 40 00000	USB	(F5JBR/HFD)
S06	15-1	2000	Fri	7553	768 768 768 00000	USB	(AB/MPJ)
S06	15-1	2100	Fri	5329	768 768 768 00000	USB	(AB)
S06	16-1	1300	Sat	7377	480 576 44 78430 31192 49124 ... 26660 57159 43347 576 44 00000	USB	(AB)
S06	16-1	1330	Sat	5410	480 576 44 78430 31192 49124 ... 26660 57159 43347 576 44 00000	USB	(AB-RUS)
S06	17-1	0930	Sun	9946	480 576 44 78430 31192 49124 ... 26660 57159 43347 576 44 00000	USB	(AB)
S06	17-1	1000	Sun	8095	480 576 44 78430 31192 49124 ... 26660 57159 43347 576 44 00000	USB	(AB)
S06	22-1	0830	Fri	16243	842 710 34 78378 ...	USB	(HFD-CHN)
S06	22-1	0930	Fri	13469	842 710 34 78378 ...	USB	(HFD-CHN)
S06	23-1	1300	Sat	7377	480 321 45 26968 41395 63128 ... 72465 94685 14422 321 45 00000	USB	(AB/MPJ)

S06	23-1	1330	Sat	5410	480 321 45 26968 41395 63128 ... 72465 94685 14422 321 45 00000	USB	(AB-RUS/MPJ)
S06	24-1	0930	Sun	9946	480 321 45 26968 41395 63128 ... 72465 94685 14422 321 45 00000	USB	(AB)
S06	24-1	1000	Sun	8095	480 321 45 26968 41395 63128 ... 72465 94685 14422 321 45 00000	USB	(AB)
S06	30-1	1300	Sat	7377	480 675 41 37428 93523 64082 ... 21427 56804 68700 675 41 00000	USB	(AB/MPJ)
S06	30-1	1330	Sat	5410	480 675 41 37428 93523 64082 ... 21427 56804 68700 675 41 00000	USB	(AB/MPJ)
S06	31-1	0930	Sun	9946	480 675 41 37428 93523 64082 ... 21427 56804 68700 675 41 00000	USB	(AB)
S06	31-1	1000	Sun	8095	480 675 41 37428 93523 64082 ... 21427 56804 68700 675 41 00000	USB	(AB)
S06s	1-1	0830	Fri	11040	156 408 7 30982 57442 93845 87709 48840 06625 28524 408 7 00000	USB	(AB)
S06s	1-1	0840	Fri	12153	156 408 7 30982 57442 93845 87709 48840 06625 28524 408 7 00000	USB	(AB)
S06s	1-1	0900	Fri	5765	239 804 5 95537 99805 65236 67496 82928 804 5 00000	USB	(AB)
S06s	1-1	0910	Fri	6315	239 804 5 95537 99805 65236 67496 82928 804 5 00000	USB	(AB)
S06s	2-1	0800	Sat	8680	132 478 5 62554 30112 37065 65600 71250 478 5 00000	USB	(AB)
S06s	2-1	0810	Sat	8260	132 478 5 62554 30112 37065 65600 71250 478 5 00000	USB	(AB)
S06s	4-1	0630	Mon	13470	462 590 7 46062 68672 97478 39685 20475 86633 52537 590 7 00000	USB	(AB-POL)
S06s	4-1	0640	Mon	16515	462 590 7 46062 68672 97478 39685 20475 86633 52537 590 7 00000	USB	(AB-POL)
S06s	4-1	0830	Mon	8057	764 801 5 69865 82541 98423 79033 15452 801 5 00000	USB	(AB/PP1)
S06s	4-1	0840	Mon	8530	764 801 5 69865 82541 98423 79033 15452 801 5 00000	USB	(AB)
S06s	4-1	0900	Mon	14675	232 804 5 47154 25660 69885 96882 30034 804 5 00000	USB	(AB)
S06s	4-1	0910	Mon	12830	232 804 5 47154 25660 69885 96882 30034 804 5 00000	USB	(AB)
S06s	4-1	1300	Mon	8420	149 802 5 08631 58082 35270 08982 92738 802 5 00000	USB	(AB/MPJ)
S06s	4-1	1310	Mon	10635	149 802 5 08631 58082 35270 08982 92738 802 5 00000	USB	(AB/MPJ)
S06s	5-1	0600	Tue	16145	438 206 5 11169 03439 43548 19152 23063206 5 00000	USB	(AB-POL)
S06s	5-1	0610	Tue	14240	438 206 5 11169 03439 43548 19152 23063206 5 00000	USB	(AB-POL)
S06s	5-1	0700	Tue	5250	452 807 6 32314 34896 82738 36376 35685 64821 807 6 00000	USB	(AB)
S06s	5-1	0710	Tue	6320	452 807 6 32314 34896 82738 36376 35685 64821 807 6 00000	USB	(AB)
S06s	5-1	0730	Tue	7410	427 836 5 10597 23512 47660 87654 19709 836 5 00000	USB	(AB)
S06s	5-1	0740	Tue	11532	427 836 5 10597 23512 47660 87654 19709 836 5 00000	USB	(AB)
S06s	5-1	0800	Tue	11945	127 806 5 39534 17228 15636 47891 23247 806 5 00000	USB	(AB)
S06s	5-1	0810	Tue	13195	127 806 5 39534 17228 15636 47891 23247 806 5 00000	USB	(AB)
S06s	5-1	1000	Tue	6440	427 931 5 32314 34896 82738 36376 35685 931 5 00000	USB	(AB)
S06s	5-1	1010	Tue	5660	427 931 5 32314 34896 82738 36376 35685 931 5 00000	USB	(AB)
S06s	5-1	1100	Tue	5035	265 419 7 96882 30034 19804 96845 22444 08374 98662 419 7 00000	USB	(AB/FT-FIN)
S06s	5-1	1110	Tue	5975	265 419 7 96882 30034 19804 96845 22444 08374 98662 419 7 00000	USB	(AB)
S06s	6-1	0830	Wed	7062	464 987 5 69856 82541 98423 79033 15452 987 5 00000	USB	(AB)
S06s	6-1	0840	Wed	10532	464 987 5 69856 82541 98423 79033 15452 987 5 00000	USB	(AB)
S06s	7-1	0830	Thu	11535	172 985 6 72687 04565 39895 91670 29257 69816 985 6 00000	AM	(AB)
S06s	7-1	0840	Thu	11830	172 985 6 72687 04565 39895 91670 29257 69816 985 6 00000	AM	(AB/RL)
S06s	7-1	0930	Thu	8812	698 410 5 81155 15870 20136 51533 28142 410 5 00000	USB	(AB)
S06s	7-1	0940	Thu	9540	698 410 5 81155 15870 20136 51533 28142 410 5 00000	USB	(AB)
S06s	7-1	1200	Thu	12155	175 904 6 08621 58082 26270 08982 92728 26090 904 5 00000	USB	(AB/MPJ)
S06s	7-1	1210	Thu	10920	175 904 6 08621 58082 26270 08982 92728 26090 904 5 00000	USB	(AB/MPJ)
S06s	8-1	0830	Fri	11040	156 408 7 30982 57442 93845 87709 48840 06625 28524 stopped/off. Restart at 0837 UTC: 156 (R) 57442 93845 87709 48840 06625 28524 408 7 00000	USB	(AB)
S06s	8-1	0844	Fri	12153	156 408 7 30982 57442 93845 87709 48840 06625 28524 408 7 00000. Late start	USB	(AB)
S06s	8-1	0900	Fri	5765	239 804 5 95537 99805 65236 67496 82928 804 5 00000	USB	(AB)
S06s	8-1	0910	Fri	6315	239 804 5 95537 99805 65236 67496 82928 804 5 00000	USB	(AB)
S06s	11-1	0630	Mon	13470	462 590 7 46062 68672 97478 39685 20475 86633 52537 590 7 00000. Two restarts at 0632 and 0634 UTC	USB	(AB-POL)

S06s	11-1	0640	Mon	16515	462 590 7 46062 68672 97478 39685 20475 86633 52537 590 7 00000	USB	(AB-POL)
S06s	11-1	0830	Mon	8057	764 801 5 69865 82541 98423 79033 15452 801 5 00000	USB	(AB)
S06s	11-1	0840	Mon	8530	764 801 5 69865 82541 98423 79033 15452 801 5 00000	USB	(AB)
S06s	11-1	0900	Mon	14675	232 804 5 47154 25660 69885 96882 30034 804 5 00000	USB	(AB)
S06s	11-1	0910	Mon	12830	232 804 5 47154 25660 69885 96882 30034 804 5 00000	USB	(AB)
S06s	11-1	1300	Mon	8420	149 802 5 08631 58082 35270 08982 92738 802 5 00000	USB	(AB)
S06s	11-1	1310	Mon	10635	149 802 5 08631 58082 35270 08982 92738 802 5 00000	USB	(AB/MPJ)
S06s	12-1	0600	Tue	16145	438 206 5 11169 03439 43548 19152 23063206 5 00000	USB	(AB-POL)
S06s	12-1	0610	Tue	14240	438 206 5 11169 03439 43548 19152 23063206 5 00000	USB	(AB-POL)
S06s	12-1	0700	Tue	5250	452 807 6 32314 34896 82738 36376 35685 64821 807 6 00000	USB	(AB)
S06s	12-1	0710	Tue	6320	452 807 6 32314 34896 82738 36376 35685 64821 807 6 00000	USB	(AB)
S06s	12-1	0730	Tue	7410	427 836 5 10597 23512 47660 87654 19709 836 5 00000	USB	(AB)
S06s	12-1	0740	Tue	11532	427 836 5 10597 23512 47660 87654 19709 836 5 00000	USB	(AB)
S06s	12-1	0800	Tue	11945	127 806 5 39534 17228 15636 47891 23247 806 5 00000	USB	(AB-POL)
S06s	12-1	0810	Tue	13195	127 806 5 39534 17228 15636 47891 23247 806 5 00000	USB	(AB)
S06s	12-1	1000	Tue	6440	427 931 5 32314 34896 82738 36376 35685 931 5 00000	USB	(AB)
S06s	12-1	1010	Tue	5660	427 931 5 32314 34896 82738 36376 35685 931 5 00000	USB	(AB/FT)
S06s	12-1	1100	Tue	5035	265 419 7 96882 30034 19804 96845 22444 08374 98662 419 7 00000	USB	(AB/FT)
S06s	12-1	1110	Tue	5975	265 419 7 96882 30034 19804 96845 22444 08374 98662 419 7 00000	USB	(AB/FT)
S06s	13-1	0830	Wed	7062	464 987 5 69856 82541 98423 79033 15452 987 5 00000	USB	(AB)
S06s	13-1	0840	Wed	10532	464 987 5 69856 82541 98423 79033 15452 987 5 00000	USB	(AB)
S06s	13-1	1000	Wed	12365	276 938 5 73687 04565 29895 91670 29257 938 5 00000	AM	(AB)
S06s	13-1	1010	Wed	14280	276 938 5 73687 04565 29895 91670 29257 938 5 00000	AM	(AB)
S06s	14-1	0830	Thu	11535	172 985 6 72687 04565 39895 91670 29257 69816 985 6 00000	AM	(AB)
S06s	14-1	0840	Thu	11830	172 985 6 72687 04565 39895 91670 29257 69816 985 6 00000	AM	(AB)
S06s	14-1	0930	Thu	8812	698 410 5 81155 15870 20136 51533 28142 410 5 00000	USB	(AB)
S06s	14-1	0940	Thu	9540	698 410 5 81155 15870 20136 51533 28142 410 5 00000	USB	(AB)
S06s	14-1	1200	Thu	12155	175 904 6 08621 58082 26270 08982 92728 26090 904 5 00000	USB	(AB/MPJ)
S06s	14-1	1210	Thu	10920	175 904 6 08621 58082 26270 08982 92728 26090 904 5 00000	USB	(AB/MPJ)
S06s	15-1	0830	Fri	11040	156 283 7 13621 26252 92057 44817 89106 37937 16393 283 7 00000	USB	(AB)
S06s	15-1	0840	Fri	12153	156 283 7 13621 26252 92057 44817 89106 37937 16393 283 7 00000	USB	(AB)
S06s	15-1	0900	Fri	5765	239 507 6 00125 89675 23491 50034 23178 00423 507 6 00000	USB	(AB)
S06s	15-1	0910	Fri	6315	239 507 6 00125 89675 23491 50034 23178 00423 507 6 00000	USB	(AB)
S06s	18-1	0630	Mon	13470	462 901 5 17613 74220 56381 16458 39354 901 5 00000	USB	(AB-POL)
S06s	18-1	0640	Mon	16515	462 901 5 17613 74220 56381 16458 39354 901 5 00000	USB	(AB-POL)
S06s	18-1	0830	Mon	8057	764 238 5 26634 14588 85589 69375 93998 238 5 00000	USB	(AB)
S06s	18-1	0840	Mon	8530	764 238 5 26634 14588 85589 69375 93998 238 5 00000	USB	(AB)
S06s	18-1	0900	Mon	14675	232 469 5 39534 17228 15636 47891 23247 469 5 00000	USB	(AB-POL)
S06s	18-1	0910	Mon	12830	232 469 5 39534 17228 15636 47891 23247 469 5 00000	USB	(AB)
S06s	18-1	1300	Mon	8420	149 875 6 11171 64385 82707 06123 22536 88280 875 6 00000	USB	(AB/MPJ)
S06s	18-1	1310	Mon	10635	149 875 6 11171 64385 82707 06123 22536 88280 875 6 00000	USB	(AB/MPJ)
S06s	19-1	0600	Tue	16145	438 267 5 52401 63919 92699 14600 74248 267 5 00000	USB	(AB-POL)
S06s	19-1	0610	Tue	14240	438 267 5 52401 63919 92699 14600 74248 267 5 00000	USB	(AB-POL)
S06s	19-1	0700	Tue	5250	452 978 6 46062 68672 97478 39685 30485 96632 978 6 00000	USB	(AB)
S06s	19-1	0710	Tue	6320	452 978 6 46062 68672 97478 39685 30485 96632 978 6 00000	USB	(AB)
S06s	19-1	0730	Tue	7410	427 835 6 52401 62919 92699 14600 74248 65125 835 6 00000	USB	(AB)
S06s	19-1	0740	Tue	11532	427 835 6 52401 62919 92699 14600 74248 65125 835 6 00000	USB	(AB)

S06s	19-1	0800	Tue	11945	127 468 5 33796 13577 74526 46647 79302 468 5 00000	USB	(AB)
S06s	19-1	0810	Tue	13195	127 468 5 33796 13577 74526 46647 79302 468 5 00000	USB	(AB)
S06s	19-1	1000	Tue	6440	427 503 6 05899 50387 45847 81022 36903 41412 503 6 00000	USB	(AB)
S06s	19-1	1010	Tue	5660	427 503 6 05899 50387 45847 81022 36903 41412 503 6 00000	USB	(AB)
S06s	19-1	1100	Tue	5035	265 431 7 96320 36793 53038 76342 15009 34140 78386 431 7 00000	USB	(AB-POL)
S06s	19-1	1110	Tue	5975	265 431 7 96320 36793 53038 76342 15009 34140 78386 431 7 00000	USB	(AB-POL)
S06s	20-1	0830	Wed	7062	464 203 5 11171 64385 82707 06123 22536 203 5 00000	USB	(AB)
S06s	20-1	0840	Wed	10532	464 203 5 11171 64385 82707 06123 22536 203 5 00000	USB	(AB)
S06s	20-1	1000	Wed	12365	276 809 5 01405 15003 24357 60583 54545 809 5 00000	AM	(AB)
S06s	20-1	1010	Wed	14280	276 809 5 01405 15003 24357 60583 54545 809 5 00000	AM	(AB)
S06s	21-1	0830	Thu	11535	172 804 5 40614 64385 82707 06123 22536 804 5 00000	AM	(AB)
S06s	21-1	0840	Thu	11830	172 804 5 40614 64385 82707 06123 22536 804 5 00000	AM	(AB)
S06s	21-1	0930	Thu	8812	698 421 5 11749 70552 56936 57989 15371 421 5 00000	USB	(AB)
S06s	21-1	0940	Thu	9540	698 421 5 11749 70552 56936 57989 15371 421 5 00000	USB	(AB)
S06s	21-1	1200	Thu	12155	175 283 6 15009 34170 78386 91497 82963 24162 283 6 00000	USB	(AB)
S06s	21-1	1210	Thu	10920	175 283 6 15009 34170 78386 91497 82963 24162 283 6 00000	USB	(AB)
S06s	22-1	0830	Fri	11040	156 283 7 13621 26252 92057 44817 89106 37937 16393 283 7 00000	USB	(AB)
S06s	22-1	0840	Fri	12153	156 283 7 13621 26252 92057 44817 89106 37937 16393 283 7 00000	USB	(AB)
S06s	22-1	0900	Fri	5765	239 507 6 00125 89675 23491 50034 23178 00423 507 6 00000	USB	(AB)
S06s	22-1	0910	Fri	6315	239 507 6 00125 89675 23491 50034 23178 00423 507 6 00000	USB	(AB)
S06s	25-1	0630	Mon	13470	462 901 5 17613 74220 56381 16458 39354 901 5 00000	USB	(AB-POL)
S06s	25-1	0640	Mon	16515	462 901 5 17613 74220 56381 16458 39354 901 5 00000	USB	(AB-POL)
S06s	25-1	0830	Mon	8057	764 238 5 26634 14588 85589 69375 93998 238 5 00000	USB	(AB)
S06s	25-1	0840	Mon	8530	764 238 5 26634 14588 85589 69375 93998 238 5 00000	USB	(AB)
S06s	25-1	0900	Mon	14675	232 469 5 39534 17228 15636 47891 23247 469 5 00000	USB	(AB)
S06s	25-1	0910	Mon	12830	232 469 5 39534 17228 15636 47891 23247 469 5 00000	USB	(AB)
S06s	25-1	1300	Mon	8420	149 875 6 11171 64385 82707 06123 22536 88280 875 6 00000	USB	(AB/MPJ-HNG)
S06s	25-1	1310	Mon	10635	149 875 6 11171 64385 82707 06123 22536 88280 875 6 00000	USB	(AB/MPJ-HNG)
S06s	26-1	0600	Tue	16145	438 267 5 52401 63919 92699 14600 74248 267 5 00000	USB	(AB-POL)
S06s	26-1	0610	Tue	14240	438 267 5 52401 63919 92699 14600 74248 267 5 00000	USB	(AB-POL)
S06s	26-1	0700	Tue	5250	452 978 6 46062 68672 97478 39685 30485 96632 978 6 00000	USB	(AB)
S06s	26-1	0710	Tue	6320	452 978 6 46062 68672 97478 39685 30485 96632 978 6 00000	USB	(AB)
S06s	26-1	0730	Tue	7410	427 835 6 52401 62919 92699 14600 74248 65125 835 6 00000	USB	(AB)
S06s	26-1	0740	Tue	11532	427 835 6 52401 62919 92699 14600 74248 65125 835 6 00000	USB	(AB)
S06s	26-1	0800	Tue	11945	127 468 5 33796 13577 74526 46647 79302 468 5 00000	USB	(AB)
S06s	26-1	0810	Tue	13195	127 468 5 33796 13577 74526 46647 79302 468 5 00000	USB	(AB)
S06s	26-1	1000	Tue	6440	427 503 6 05899 50387 45847 81022 36903 41412 503 6 00000	USB	(AB)
S06s	26-1	1010	Tue	5660	427 503 6 05899 50387 45847 81022 36903 41412 503 6 00000	USB	(AB)
S06s	26-1	1100	Tue	5035	265 431 7 96320 36793 53038 76342 15009 34140 78386 431 7 00000	USB	(AB-POL)
S06s	26-1	1110	Tue	5975	265 431 7 96320 36793 53038 76342 15009 34140 78386 431 7 00000	USB	(AB-POL)
S06s	27-1	0830	Wed	7062	464 203 5 11171 64385 82707 06123 22536 203 5 00000	USB	(AB)
S06s	27-1	0840	Wed	10532	464 203 5 11171 64385 82707 06123 22536 203 5 00000	USB	(AB)
S06s	27-1	1000	Wed	12365	276 809 5 01405 15003 24357 60583 54545 809 5 00000	AM	(AB)
S06s	27-1	1010	Wed	14280	276 809 5 01405 15003 24357 60583 54545 809 5 00000	AM	(AB)
S06s	28-1	0830	Thu	11535	172 804 5 40614 64385 82707 06123 22536 804 5 00000	AM	(AB)
S06s	28-1	0840	Thu	11830	172 804 5 40614 64385 82707 06123 22536 804 5 00000	AM	(AB)
S06s	28-1	0930	Thu	8812	698 421 5 11749 70552 56936 57989 15371 421 5 00000	USB	(AB)

S06s	28-1	0940	Thu	9540	698 421 5 11749 70552 56936 57989 15371 421 5 00000	USB	(AB)
S06s	28-1	1200	Thu	12155	175 283 6 15009 34170 78386 91497 82963 24162 283 6 00000	USB	(AB/MPJ)
S06s	28-1	1210	Thu	10920	175 283 6 15009 34170 78386 91497 82963 24162 283 6 00000	USB	(AB/MPJ)
S06s	29-1	0830	Fri	11040	156 156 156 00000	USB	(AB)
S06s	29-1	0840	Fri	12153	156 156 156 00000	USB	(AB)
S06s	29-1	0900	Fri	5765	239 239 239 00000	USB	(AB)
S06s	29-1	0910	Fri	6315	239 239 239 00000	USB	(AB)
S11a	1-1	0915	Fri	4242	480/00	USB	(AB)
S11a	1-1	1020	Fri	8102	426/00	USB	(AB)
S11a	1-1	1135	Fri	5371	379/00	USB	(AB)
S11a	2-1	1850	Sat	11486	280/00	USB	(AB-POL/MPJ)
S11a	4-1	0510	Mon	9057	657/30 Vnimanije 76843 91316 45919 ... 84027 35351 08086 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	4-1	0700	Mon	9050	472/00	USB	(AB-POL)
S11a	4-1	0715	Mon	12153	381/33 Vnimanije 04431 80298 98717 ... 18595 37090 55435 Vnimanije (message repeated) Konets	USB	(AB)
S11a	4-1	0915	Mon	4242	483/00	USB	(AB)
S11a	5-1	1020	Tue	8102	421/00	USB	(AB)
S11a	6-1	0510	Wed	9057	657/30 Vnimanije 76843 91316 45919 ... 84027 35351 08086 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	6-1	0715	Wed	12153	381/33 Vnimanije 04431 80298 98717 ... 18595 37090 55435 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	6-1	1135	Wed	5371	371/00	USB	(AB/MPJ)
S11a	6-1	1850	Wed	11486	288/35 Vnimanije 24281 89717 53307 ... 83959 56105 89765 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ-POL)
S11a	7-1	0700	Thu	9050	471/00	USB	(AB)
S11a	8-1	0915	Fri	4242	483/00	USB	(AB)
S11a	8-1	1020	Fri	8102	427/00	USB	(AB)
S11a	8-1	1135	Fri	5371	370/00	USB	(AB)
S11a	9-1	1850	Sat	11486	288/35 Vnimanije 24281 89717 53307 ... 83959 56105 89765 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ)
S11a	11-1	0510	Mon	9057	655/00	USB	(AB-POL)
S11a	11-1	0700	Mon	9050	478/00	USB	(AB-POL)
S11a	11-1	0715	Mon	12153	389/00	USB	(AB)
S11a	11-1	0915	Mon	4242	487/00	USB	(AB)
S11a	12-1	1020	Tue	8102	420/00	USB	(AB/FT)
S11a	13-1	0510	Wed	9057	654/00	USB	(AB-POL)
S11a	13-1	0715	Wed	12153	387/00	USB	(AB-POL)
S11a	13-1	1135	Wed	5371	377/00	USB	(AB)
S11a	13-1	1850	Wed	11486	280/00	USB	(AB/MPJ)
S11a	14-1	0700	Thu	9050	470/00	USB	(AB)
S11a	15-1	0915	Fri	4242	481/00	USB	(AB)
S11a	15-1	1020	Fri	8102	427/00	USB	(AB)
S11a	15-1	1135	Fri	5371	373/00	USB	(AB)
S11a	16-1	1850	Sat	11486	286/00	USB	(AB-POL/MPJ)
S11a	18-1	0510	Mon	9057	655/00	USB	(AB-POL)
S11a	18-1	0700	Mon	9050	475/35 Vnimanije 59005 83967 61600 ... 23277 27333 00513 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	18-1	0715	Mon	12153	383/00	USB	(AB)
S11a	18-1	0915	Mon	4242	484/00	USB	(AB)
S11a	19-1	1020	Tue	8102	424/36 Vnimanije 65332 61314 84126 ... 00142 94324 62670 Vnimanije (message repeated) Konets	USB	(AB)
S11a	20-1	0510	Wed	9057	650/00	USB	(AB-POL)
S11a	20-1	0715	Wed	12153	383/00	USB	(AB)
S11a	20-1	1135	Wed	5371	379/00	USB	(AB)

S11a	20-1	1850	Wed	11486	280/00	USB	(AB-POL/MPJ)
S11a	21-1	0700	Thu	9050	475/35 Vnmaniye 59005 83967 61600 ... 23277 27333 00513 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	22-1	0915	Fri	4242	480/00	USB	(AB)
S11a	22-1	1020	Fri	8102	424/36 Vnmaniye 65332 61314 84126 ... 00142 94324 62670 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	22-1	1135	Fri	5371	376/00	USB	(AB)
S11a	23-1	1850	Sat	11486	288/00	USB	(MPJ)
S11a	25-1	0510	Mon	9057	652/00	USB	(AB-POL)
S11a	25-1	0700	Mon	9050	477/00	USB	(AB)
S11a	25-1	0715	Mon	12153	389/00	USB	(AB)
S11a	26-1	1020	Tue	8102	421/00	USB	(AnEur)
S11a	27-1	0510	Wed	9057	659/00	USB	(AB-POL)
S11a	27-1	0715	Wed	12153	382/00	USB	(AB/PP1)
S11a	27-1	1135	Wed	5371	379/31 Vnmaniye 94959 12424 95256 ... 71033 15002 93826 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	27-1	1850	Wed	11486	284/00	USB	(AB-POL/MPJ-AUT)
S11a	28-1	0700	Thu	9050	471/00	USB	(AB/PP1)
S11a	29-1	0915	Fri	4242	481/36 Vnmaniye 36201 82375 80268 ... 96211 73982 59070 Vnmaniye (message repeated) Out	USB	(AB)
S11a	29-1	1020	Fri	8102	421/00	USB	(AB)
S11a	29-1	1135	Fri	5371	379/31 Vnmaniye 94959 12424 95256 ... 71033 15002 93826 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	30-1	1850	Sat	11486	287/00	USB	(AB-POL/MPJ-POL)
S30	8-1	1214	Fri	5448	JVB1 JVB1 67006 BRYeGOBRYeD 2261 6880	UB	(Gwr)
UM03	25-1	1129	Mon	4871.7	i.p. ZSLWT DYCEE BGUXP GWTMP TSCKG AR K ? 11W CMWLD K 12W HCRQA K	CW	(JPL-HK)
UM03	25-1	1131	Mon	4710	i.p. CZKDG VMVON Z VV 3.M 30.M AGN C5 KFCEY BMEG JXZOE HJMZY YWDJD VGNXO KBUMQ ZXENX OHCDG CIELO ...	CW	(JPL-HK)
UM10	1-1	1224	Fri	3362	10-minutes net: 6G5Y	CW	(JPL-RUS)
UM10	2-1	1841	Sat	3718	10-minutes net: 7CJK	CW	(JPL-RUS)
UM10	8-1	1128	Fri	3326	10-minutes net: U34D i.p.	CW	(JPL-HK)
UM10	9-1	1615	Sat	3210	10-minutes net: 7CJK	CW	(JPL-RUS)
UM10	9-1	1620	Sat	3326	10-minutes net: U34D	CW	(F5JBR)
UM10	30-1	0740	Sat	6983	10-minutes net: AW3Z	CW (	F5JBR-J)
UM10	30-1	0750	Sat	5945	10-minutes net: TPTS //6924 kHz	CW (	F5JBR-J)
UM10	30-1	0750	Sat	6924	10-minutes net: TPTS //5945 kHz	CW (	F5JBR-J)
V07	3-1	0100	Sun	15893	868 868 868 000 000	USB	(Dan)
V07	3-1	0120	Sun	14693	868 868 868 000 000	USB	(Dan)
V07	10-1	0100	Sun	15893	868 868 868 000 000	USB	(Dan/HFD-USA))
V07	10-1	0120	Sun	14693	868 868 868 000 000	USB	(Dan/HFD-USA))
V07	17-1	0100	Sun	15893	868 868 868 1 520 118 71615 31648 25750 22031 ... 75904 12495 000 000	USB	(Dan)
V07	17-1	0120	Sun	14693	868 868 868 1 520 118 71615 31648 25750 22031 ... 75904 12495 000 000	USB	(Dan)
V07	17-1	0140	Sun	13893	868 868 868 1 520 118 71615 31648 25750 22031 ... 75904 12495 000 000	USB	(Dan)
V07	24-1	0100	Sun	15893	868 868 868 1 879 120 879 120 03073 45919 95749 ... 13205 84057 63085 000 000	USB	(Dan)
V07	24-1	0120	Sun	14693	868 868 868 1 879 120 879 120 03073 45919 95749 ... 13205 84057 63085 000 000	USB	(Dan)
V07	24-1	0140	Sun	13893	868 868 868 1 879 120 879 120 03073 45919 95749 ... 13205 84057 63085 000 000	USB	(Dan)
V07	31-1	0100	Sun	15893	868 868 868 1 155 98 155 98 78926 75608 45067 ... 12603 08570 53961 000 000	USB	(Dan)
V07	31-1	0120	Sun	14693	868 868 868 1 155 98 155 98 78926 75608 45067 ... 12603 08570 53961 000 000	USB	(Dan)
V07	31-1	0140	Sun	13893	868 868 868 1 155 98 155 98 78926 75608 45067 ... 12603 08570 53961 000 000	USB	(Dan)
V13	30-1	1300	Sat	7688	New Star Broadcasting	USB	(AB-RUS)
V13	31-1	1300	Sun	7688	New Star Broadcasting	USB	(AB-TWN)
V26	1-1	1130	Fri	4364	XSV85 callup in Chinese voice //8073	USB	(JPL)

V26	1-1	1130	Fri	8073	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	8-1	1130	Fri	4364	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8-1	1130	Fri	8073	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	12-1	1130	Tue	4364	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	25-1	2340	Mon	4243	Callup in Chinese voice //9054	USB	(JPL)
V26	25-1	2340	Mon	9054	Callup in Chinese voice //4243	USB	(JPL)
V26	26-1	0000	Tue	4364	Callup in Chinese voice, switched to LSB at 0001 UTC //8073	USB	(JPL)
V26	26-1	0000	Tue	8073	Callup in Chinese voice, switched to LSB at 0001 UTC //4364	USB	(JPL)
V26	27-1	1130	Wed	4364	XSV85 callup in Chinese voice //8073	USB	(JPL)
VC01	6-1	1330	Wed	8049	Chinese Air Defense a.k.a. Chinese Robot	USB	(SWUK)
VC01	6-1	1417	Wed	8049	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	7-1	0657	Thu	8049	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-J)
VC03	6-1	1426	Wed	8126	Chinese Air Defense	USB	(AB-TWN)
X06	10-1	0642	Sun	5757	MFA Moscow clg 246135: Unid embassy	MFSK-6	(PP1)
X06	11-1	0813	Mon	17475	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	11-1	0903	Mon	11537	MFA Moscow clg 421635 Russian embassy Oslo	MFSK-6	(DMS)
X06	11-1	0932	Mon	13517	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	11-1	1242	Mon	11492	MFA Moscow clg 364152 Russian embassy New Delhi	MFSK-6	(DMS)
X06	13-1	0859	Wed	11153	MFA Moscow clg 465132 Russian embassy Sofia	MFSK-6	(DMS)
X06	14-1	0842	Thu	7988	MFA Moscow clg 561243 Russian embassy Helsinki	MFSK-6	(DMS)
X06	14-1	0949	Thu	13506	MFA Moscow clg 164532 Russian embassy Dublin	MFSK-6	(DMS)
X06	14-1	0959	Thu	11411	MFA Moscow clg 164532 Russian embassy Dublin	MFSK-6	(DMS)
X06	14-1	1153	Thu	11447	MFA Moscow clg 564213 Russian embassy Bonn	MFSK-6	(DMS)
X06	15-1	1001	Fri	9158	MFA Moscow clg 361245: Russian embassy Copenhagen	MFSK-6	(AB)
X06	18-1	0752	Mon	11638	MFA Moscow clg 165324 Unid Russian embassy	MFSK-6	(DMS)
X06	18-1	0819	Mon	8068	MFA Moscow clg 263514 Unid Russian embassy	MFSK-6	(DMS)
X06	18-1	0924	Mon	14392	MFA Moscow clg 532614 Russian embassy Paris	MFSK-6	(DMS)
X06	19-1	0910	Tue	12157	MFA Moscow clg 165423 Russian embassy Brussels	MFSK-6	(DMS)
X06	19-1	0920	Tue	8830	MFA Moscow clg 154632 Unid Russian embassy	MFSK-6	(DMS)
X06	19-1	0932	Tue	13401	MFA Moscow clg 165263 Russian embassy Rome	MFSK-6	(DMS)
X06	20-1	1232	Wed	18245	MFA Moscow clg 231654 Russian embassy Abuja (satrted as 111666)	MFSK-6	(DMS)
X06	21-1	0931	Thu	16103	MFA Moscow clg 645321 Russian embassy Ho Chi Minh City	MFSK-6	(DMS)
X06	25-1	0903	Mon	17475	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	25-1	0917	Mon	20690	MFA Moscow clg 156234 Russian embassy Kampala and Link on the same frequency at the same time.	MFSK-6	(DMS)
X06	25-1	0944	Mon	16117	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	25-1	0956	Mon	10372	MFA Moscow clg 463125 Russian embassy Rabat and changed to 431625 Russian embassy Warsaw soon after start.	MFSK-6	(DMS)
X06	26-1	1003	Tue	13510	MFA Moscow clg 612534 Russian embassy Ashgabat	MFSK-6	(DMS)
X06	26-1	1036	Tue	17470	MFA Moscow clg 216354 Russian embassy Chennai	MFSK-6	(DMS)
X06	28-1	0936	Thu	11411	MFA Moscow clg 164532 Russian embassy Dublin	MFSK-6	(DMS)
X06	28-1	0949	Thu	10193	MFA Moscow clg 164532 Russian embassy Dublin	MFSK-6	(DMS)
X06b	7-1	1001	Thu	12184	111666 before XPA2	MFSK-6	(DMS)
X06b	11-1	0749	Mon	6850	111666	MFSK-6	(DMS)
X06b	11-1	0809	Mon	14977	666111	MFSK-6	(DMS)
X06b	11-1	0836	Mon	7750	111666	MFSK-6	(DMS)
X06b	11-1	0905	Mon	10350	6-characters long dash	MFSK-6	(DMS)
X06b	11-1	1016	Mon	14769	6-characters long dash before XPB	MFSK-6	(DMS)
X06b	13-1	0932	Wed	12650	666111	MFSK-6	(DMS)

X06b	13-1	1059	Wed	10850	666111		MFSK-6	(DMS)
X06b	14-1	0843	Thu	16480	666111		MFSK-6	(DMS)
X06b	21-1	0748	Thu	10550	Sequence 111666		MFSK-6	(DMS)
X06b	26-1	0855	Tue	15430	Sequence 111111		MFSK-6	(DMS)
X06b	26-1	1154	Tue	11250	Sequence 111666		MFSK-6	(DMS)
X06b	26-1	1234	Tue	11250	i.p. 111666 (ended 1318z)		MFSK-6	(AB)
X06b	27-1	1157	Wed	14852	Sequence 111666		MFSK-6	(DMS)
X06b	27-1	1158	Wed	11250	Sequence 111111		MFSK-6	(DMS)
XPA1	1-1	1310	Fri	14852	895 895 895 000 03952 00001 00000 36660		MFSK-20/10Bd	(Danix/HFD)
XPA1	1-1	1330	Fri	13952	895 895 895 000 03952 00001 00000 36660		MFSK-20/10Bd	(Danix/HFD)
XPA1	1-1	1350	Fri	11552	895 895 895 000 03952 00001 00000 36660		MFSK-20/10Bd	(Danix/HFD)
XPA1	5-1	0810	Tue	12157	Stopped after ca 40 seconds		MFSK-20/10Bd	(AB/HFD)
XPA1	5-1	0830	Tue	13462	Stopped after a few seconds		MFSK-20/10Bd	(AB/HFD)
XPA1	5-1	0850	Tue	14374	265 265 265 000 08325 00001 00000 35262		MFSK-20/10Bd	(AB/HFD)
XPA1	6-1	1310	Wed	14852	895 895 895 000 08004 00001 00000 33260		MFSK-20/10Bd	(AB)
XPA1	6-1	1330	Wed	13952	895 895 895 000 08004 00001 00000 33260		MFSK-20/10Bd	(AB)
XPA1	6-1	1350	Wed	11552	895 895 895 000 08004 00001 00000 33260		MFSK-20/10Bd	(AB/PP1)
XPA1	7-1	0810	Thu	12157	265 265 265 000 08022 00001 00000 32262		MFSK-20/10Bd	(AB/RL)
XPA1	7-1	0830	Thu	13462	265 265 265 000 08022 00001 00000 32262		MFSK-20/10Bd	(AB/RL)
XPA1	7-1	0850	Thu	14374	265 265 265 000 08022 00001 00000 32262		MFSK-20/10Bd	(AB/RL)
XPA1	8-1	1310	Fri	14852	895 895 895 000 06661 00001 00000 34664		MFSK-20/10Bd	(AB)
XPA1	8-1	1330	Fri	13952	895 895 895 000 06661 00001 00000 34664		MFSK-20/10Bd	(AB)
XPA1	8-1	1350	Fri	11552	895 895 895 000 06661 00001 00000 34664		MFSK-20/10Bd	(AB/PP1)
XPA1	12-1	0810	Tue	12157	265 265 265 000 06488 00001 00000 37266		MFSK-20/10Bd	(AB/RL)
XPA1	12-1	0830	Tue	13462	265 265 265 000 06488 00001 00000 37266		MFSK-20/10Bd	(AB/RL)
XPA1	12-1	0850	Tue	14374	265 265 265 000 06488 00001 00000 37266		MFSK-20/10Bd	(AB/RL)
XPA1	13-1	1310	Wed	14852	895 895 895 000 07321 00001 00000 33261		MFSK-20/10Bd	(AB)
XPA1	13-1	1330	Wed	13952	895 895 895 000 07321 00001 00000 33261		MFSK-20/10Bd	(AB)
XPA1	13-1	1350	Wed	11552	895 895 895 000 07321 00001 00000 33261		MFSK-20/10Bd	(AB)
XPA1	14-1	0810	Thu	12157	265 265 265 000 05180 00001 00000 31665		MFSK-20/10Bd	(AB)
XPA1	14-1	0830	Thu	13462	265 265 265 000 05180 00001 00000 31665		MFSK-20/10Bd	(AB)
XPA1	14-1	0850	Thu	14374	265 265 265 000 05180 00001 00000 31665		MFSK-20/10Bd	(AB)
XPA1	15-1	1310	Fri	14852	895 895 895 000 09600 00001 00000 34261		MFSK-20/10Bd	(AB/RL)
XPA1	15-1	1330	Fri	13952	895 895 895 000 09600 00001 00000 34261		MFSK-20/10Bd	(AB/RL)
XPA1	15-1	1350	Fri	11552	895 895 895 000 09600 00001 00000 34261		MFSK-20/10Bd	(AB)
XPA1	19-1	0810	Tue	12157	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB)
XPA1	19-1	0830	Tue	13462	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB/RL)
XPA1	19-1	0850	Tue	14374	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB/RL)
XPA1	20-1	1310	Wed	14852	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB)
XPA1	20-1	1330	Wed	13952	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB/RL)
XPA1	20-1	1350	Wed	11552	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB)
XPA1	21-1	0810	Thu	12157	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB/RL)
XPA1	21-1	0830	Thu	13462	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB/RL)
XPA1	21-1	0850	Thu	14374	265 265 265 1 00602 00116 49970 ... 12669 58875 05713		MFSK-20/10Bd	(AB/RL)
XPA1	22-1	1310	Fri	14852	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB)
XPA1	22-1	1330	Fri	13952	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB/RL)
XPA1	22-1	1350	Fri	11552	895 895 895 1 08658 00112 07876 ... 70264 02828 17620		MFSK-20/10Bd	(AB/RL)

XPA1	26-1	0810	Tue	12157	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	26-1	0830	Tue	13462	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	26-1	0850	Tue	14374	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	27-1	1310	Wed	14852	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/RL)
XPA1	27-1	1330	Wed	13952	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/RL)
XPA1	27-1	1350	Wed	11552	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/RL)
XPA1	28-1	0810	Thu	12157	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	28-1	0830	Thu	13462	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	28-1	0850	Thu	14374	265 265 265 1 00602 00116 49970 ... 12669 58875 05713	MFSK-20/10Bd	(AB)
XPA1	29-1	1310	Fri	14852	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/MPJ)
XPA1	29-1	1330	Fri	13952	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/MPJ)
XPA1	29-1	1350	Fri	11552	895 895 895 1 08658 00112 07876 ... 70264 02828 17620	MFSK-20/10Bd	(AB/MPJ)
XPA2	1-1	1100	Fri	10231	07189 00001 00000 36267	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1120	Fri	9331	07189 00001 00000 36267	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1140	Fri	8131	07189 00001 00000 36267	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	1200	Fri	10726	09913 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ/RL/HFD)
XPA2	1-1	1220	Fri	11426	09913 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ/RL/HFD)
XPA2	1-1	1240	Fri	12226	09913 00001 00000 37262	MFSK-16/20Bd	(AB/MPJ/RL/HFD)
XPA2	2-1	0910	Sat	14794	06242 00001 00000 33262	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	2-1	0930	Sat	13994	06242 00001 00000 33262	MFSK-16/20Bd	(AB/PP1/MPJ/HFD)
XPA2	2-1	0950	Sat	12194	06242 00001 00000 33262	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	2-1	1600	Sat	9317	05439 00001 00000 37660	MFSK-16/20Bd	(AB-POL)
XPA2	2-1	1620	Sat	8117	05439 00001 00000 37660	MFSK-16/20Bd	(AB-POL/PP1)
XPA2	2-1	1640	Sat	7517	05439 00001 00000 37660	MFSK-16/20Bd	(AB-POL)
XPA2	3-1	1200	Sun	10921	03729 00001 00000 41255	MFSK-16/20Bd	(AB/RL)
XPA2	3-1	1220	Sun	12221	03729 00001 00000 41255	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	3-1	1240	Sun	13521	03729 00001 00000 41255	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	4-1	0800	Mon	11493	02760 00001 00000 34660	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	0820	Mon	13393	02760 00001 00000 34660	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	0840	Mon	13993	02760 00001 00000 34660	MFSK-16/20Bd	(AB/PP1/HFD)
XPA2	4-1	0910	Mon	14977	07296 00001 00000 35270	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	4-1	0930	Mon	13971	07296 00001 00000 35270	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	4-1	0950	Mon	13371	07296 00001 00000 35270	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	4-1	1600	Mon	9317	03471 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	4-1	1620	Mon	8117	03471 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	4-1	1640	Mon	7517	03471 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	5-1	1100	Tue	10231	04857 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	5-1	1120	Tue	9331	04857 00001 00000 40661	MFSK-16/20Bd	(AB/FT-FIN)
XPA2	5-1	1140	Tue	8131	04857 00001 00000 40661	MFSK-16/20Bd	(AB/FT-FIN)
XPA2	5-1	1200	Tue	10921	06614 00001 00000 36257	MFSK-16/20Bd	(AB/FT-FIN)
XPA2	5-1	1220	Tue	12221	06614 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	5-1	1240	Tue	13521	06614 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	5-1	1600	Tue	10465	04312 00001 00000 33655	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-1	1620	Tue	9165	04312 00001 00000 33655	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5-1	1640	Tue	8065	04312 00001 00000 33655	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-1	0800	Wed	11493	02004 00001 00000 33252	MFSK-16/20Bd	(AB)
XPA2	6-1	0820	Wed	13393	02004 00001 00000 33252	MFSK-16/20Bd	(AB/PP1)

XPA2	6-1	0840	Wed	13993	02004 00001 00000 33252	MFSK-16/20Bd	(AB)
XPA2	6-1	0910	Wed	14977	04217 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	6-1	0930	Wed	13971	04217 00001 00000 35655	MFSK-16/20Bd	(AB/RL)
XPA2	6-1	0950	Wed	13371	04217 00001 00000 35655	MFSK-16/20Bd	(AB/RL)
XPA2	6-1	1100	Wed	13384	08709 00001 00000 41260	MFSK-16/20Bd	(AB/HFD)
XPA2	6-1	1120	Wed	12184	08709 00001 00000 41260	MFSK-16/20Bd	(AB/HFD)
XPA2	6-1	1140	Wed	10984	08709 00001 00000 41260	MFSK-16/20Bd	(AB/HFD)
XPA2	6-1	1200	Wed	10726	07093 00001 00000 32670	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	6-1	1220	Wed	11426	07093 00001 00000 32670	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	6-1	1240	Wed	12226	07093 00001 00000 32670	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	7-1	0910	Thu	14794	06151 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	7-1	0930	Thu	13994	06151 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	7-1	0950	Thu	12194	06151 00001 00000 32263	MFSK-16/20Bd	(AB)
XPA2	7-1	1100	Thu	13384	07066 00001 00000 34266	MFSK-16/20Bd	(AB/RL)
XPA2	7-1	1120	Thu	12184	07066 00001 00000 34266	MFSK-16/20Bd	(AB/RL)
XPA2	7-1	1140	Thu	10984	07066 00001 00000 34266	MFSK-16/20Bd	(AB/RL)
XPA2	7-1	1600	Thu	10465	04362 00001 00000 33662	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-1	1620	Thu	9165	04362 00001 00000 33662	MFSK-16/20Bd	(AB/MPJ)
XPA2	7-1	1640	Thu	8065	04362 00001 00000 33662	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	8-1	1100	Fri	10231	05516 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	8-1	1120	Fri	9331	05516 00001 00000 36656	MFSK-16/20Bd	(AB/RL)
XPA2	8-1	1140	Fri	8131	05516 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	8-1	1200	Fri	10726	02498 00001 00000 37263	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-1	1220	Fri	11426	02498 00001 00000 37263	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-1	1240	Fri	12226	02498 00001 00000 37263	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-1	0910	Sat	14794	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	9-1	0930	Sat	13994	01118 00001 00000 35652	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-1	0950	Sat	12194	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	9-1	1600	Sat	9317	08931 00001 00000 36253	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	9-1	1620	Sat	8117	08931 00001 00000 36253	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	9-1	1640	Sat	7517	08931 00001 00000 36253	MFSK-16/20Bd	(AB-POL/HFD)
XPA2	10-1	1200	Sun	10921	05038 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	10-1	1220	Sun	12221	05038 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	10-1	1240	Sun	13521	05038 00001 00000 35260	MFSK-16/20Bd	(AB/PP1/MPJ/RL)
XPA2	11-1	0800	Mon	11493	07325 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	11-1	0820	Mon	13393	07325 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	11-1	0840	Mon	13993	07325 00001 00000 35661	MFSK-16/20Bd	(AB/RL)
XPA2	11-1	0910	Mon	14977	02396 00001 00000 35663	MFSK-16/20Bd	(AB/RL)
XPA2	11-1	0930	Mon	13971	02396 00001 00000 35663	MFSK-16/20Bd	(AB/RL)
XPA2	11-1	0950	Mon	13371	02396 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	11-1	1600	Mon	9317	04055 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	11-1	1620	Mon	8117	04055 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	11-1	1640	Mon	7517	04055 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	12-1	1100	Tue	10231	07993 00001 00000 37270	MFSK-16/20Bd	(AB/FT)
XPA2	12-1	1120	Tue	9331	07993 00001 00000 37270	MFSK-16/20Bd	(AB/FT)
XPA2	12-1	1140	Tue	8131	07993 00001 00000 37270	MFSK-16/20Bd	(AB/FT)
XPA2	12-1	1200	Tue	10921	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ/FT)

XPA2	12-1	1220	Tue	12221	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ/FT)
XPA2	12-1	1240	Tue	13521	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ/FT)
XPA2	12-1	1600	Tue	10465	09782 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ-POL)
XPA2	12-1	1620	Tue	9165	09782 00001 00000 35671	MFSK-16/20Bd	(AB/RL/MPJ-POL)
XPA2	12-1	1640	Tue	8065	09782 00001 00000 35671	MFSK-16/20Bd	(AB/RL/MPJ-POL)
XPA2	13-1	0800	Wed	11493	02517 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	13-1	0820	Wed	13393	02517 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	13-1	0840	Wed	13993	02517 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	13-1	0910	Wed	14977	08811 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	13-1	0930	Wed	13971	08811 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	13-1	0950	Wed	13371	08811 00001 00000 35661	MFSK-16/20Bd	(AB/RL)
XPA2	13-1	1100	Wed	13384	03734 00195 55965 ... 03278 17341 63462	MFSK-16/20Bd	(AB)
XPA2	13-1	1120	Wed	12184	03734 00195 55965 ... 03278 17341 63462	MFSK-16/20Bd	(AB/RL)
XPA2	13-1	1140	Wed	10984	Stopped after 30 seconds	MFSK-16/20Bd	(AB)
XPA2	13-1	1200	Wed	10726	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13-1	1220	Wed	11426	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13-1	1240	Wed	12226	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14-1	0910	Thu	14794	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	14-1	0930	Thu	13994	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	14-1	0950	Thu	12194	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	14-1	1100	Thu	13384	03734 00195 55965 ... 03278 17341 63462	MFSK-16/20Bd	(AB/RL)
XPA2	14-1	1120	Thu	12184	03734 00195 55965 ... 03278 17341 63462	MFSK-16/20Bd	(AB/RL)
XPA2	14-1	1140	Thu	10984	03734 00195 55965 ... 03278 17341 63462	MFSK-16/20Bd	(AB/RL)
XPA2	14-1	1600	Thu	10465	01123 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	14-1	1620	Thu	9165	01123 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	14-1	1640	Thu	8065	01123 00001 00000 33253	MFSK-16/20Bd	(AB)
XPA2	15-1	1100	Fri	10231	05907 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	15-1	1120	Fri	9331	05907 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	15-1	1140	Fri	8131	05907 00001 00000 41255	MFSK-16/20Bd	(AB)
XPA2	15-1	1200	Fri	10726	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-1	1220	Fri	11426	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/MPJ)
XPA2	15-1	1240	Fri	12226	07424 00180 37389 ... 21093 34974 35300	MFSK-16/20Bd	(AB/PP1/RL/MPJ)
XPA2	16-1	0910	Sat	14794	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	16-1	0930	Sat	13994	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	16-1	0950	Sat	12194	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	16-1	1600	Sat	9317	03391 00001 00000 33265	MFSK-16/20Bd	(AB-POL)
XPA2	16-1	1620	Sat	8117	03391 00001 00000 33265	MFSK-16/20Bd	(AB)
XPA2	16-1	1640	Sat	7517	03391 00001 00000 33265	MFSK-16/20Bd	(AB-POL)
XPA2	17-1	1200	Sun	10921	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-1	1220	Sun	12221	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ)
XPA2	17-1	1240	Sun	13521	09447 00204 13726 ... 61200 17267 54004	MFSK-16/20Bd	(AB/MPJ)
XPA2	18-1	0800	Mon	11493	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	18-1	0820	Mon	13393	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	18-1	0840	Mon	13993	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	18-1	0910	Mon	14977	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)
XPA2	18-1	0930	Mon	13971	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)
XPA2	18-1	0950	Mon	13371	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)

XPA2	18-1	1600	Mon	9317	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	18-1	1620	Mon	8117	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	18-1	1640	Mon	7517	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	19-1	1100	Tue	10231	03935 00001 00000 40256	MFSK-16/20Bd	(AB)
XPA2	19-1	1120	Tue	9331	03935 00001 00000 40256	MFSK-16/20Bd	(AB)
XPA2	19-1	1140	Tue	8131	03935 00001 00000 40256	MFSK-16/20Bd	(AB)
XPA2	19-1	1200	Tue	10921	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB)
XPA2	19-1	1220	Tue	12221	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB)
XPA2	19-1	1240	Tue	13521	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB)
XPA2	19-1	1600	Tue	10465	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-1	1620	Tue	9165	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	19-1	1640	Tue	8065	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-1	0800	Wed	11493	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	20-1	0820	Wed	13393	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	20-1	0840	Wed	13993	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	20-1	0910	Wed	14977	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)
XPA2	20-1	0930	Wed	13971	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)
XPA2	20-1	0950	Wed	13371	00205 00154 79063 ... 40962 08553 10224	MFSK-16/20Bd	(AB)
XPA2	20-1	1100	Wed	13384	05436 00001 00000 36260	MFSK-16/20Bd	(AB/RL)
XPA2	20-1	1120	Wed	12184	05436 00001 00000 36260	MFSK-16/20Bd	(AB/RL)
XPA2	20-1	1140	Wed	10984	05436 00001 00000 36260	MFSK-16/20Bd	(AB/RL)
XPA2	20-1	1200	Wed	10726	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ)
XPA2	20-1	1220	Wed	11426	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	20-1	1240	Wed	12226	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	21-1	0910	Thu	14794	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	21-1	0930	Thu	13994	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	21-1	0950	Thu	12194	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	21-1	1100	Thu	13384	02342 00001 00000 33656	MFSK-16/20Bd	(AB/RL)
XPA2	21-1	1120	Thu	12184	02342 00001 00000 33656	MFSK-16/20Bd	(AB/RL)
XPA2	21-1	1140	Thu	10984	02342 00001 00000 33656	MFSK-16/20Bd	(AB/RL)
XPA2	21-1	1600	Thu	10465	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-1	1620	Thu	9165	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	21-1	1640	Thu	8065	00518 00125 43798 ... 97353 49812 24470	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-1	1100	Fri	10231	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	22-1	1120	Fri	9331	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	22-1	1140	Fri	8131	06129 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	22-1	1200	Fri	10726	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-1	1220	Fri	11426	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	22-1	1240	Fri	12226	09823 00220 27442 ... 97536 00697 60237	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	23-1	0910	Sat	14794	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	23-1	0930	Sat	13994	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	23-1	0950	Sat	12194	00439 00154 57268 ... 45484 00076 35155	MFSK-16/20Bd	(AB)
XPA2	23-1	1240	Sat	13521	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	23-1	1600	Sat	9317	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	23-1	1620	Sat	8117	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	23-1	1640	Sat	7517	00251 00156 21167 ... 84669 14126 60177	MFSK-16/20Bd	(AB)
XPA2	24-1	1200	Sun	10921	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB/RL/MPJ)

XPA2	24-1	1220	Sun	12221	00192 00220 83237 ... 53772 90958 57613	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	25-1	0800	Mon	11493	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	25-1	0820	Mon	13393	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	25-1	0840	Mon	13993	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	25-1	0910	Mon	14977	04316 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	25-1	0930	Mon	13971	04316 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	25-1	0950	Mon	13371	04316 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	25-1	1600	Mon	9317	02588 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-1	1620	Mon	8117	02588 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-1	1640	Mon	7517	02588 00001 00000 36662	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	1100	Tue	10231	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB)
XPA2	26-1	1120	Tue	9331	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB)
XPA2	26-1	1140	Tue	8131	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB)
XPA2	26-1	1200	Tue	10921	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB)
XPA2	26-1	1220	Tue	12221	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB)
XPA2	26-1	1240	Tue	13521	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB)
XPA2	26-1	1600	Tue	10465	09412 00001 00000 34262	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	1620	Tue	9165	09412 00001 00000 34262	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	1640	Tue	8065	09412 00001 00000 34262	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-1	0800	Wed	11493	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	27-1	0820	Wed	13393	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB)
XPA2	27-1	0840	Wed	13993	00347 00126 66137 ... 12236 56717 01375	MFSK-16/20Bd	(AB/RL)
XPA2	27-1	0910	Wed	14977	02918 00001 00000 41653	MFSK-16/20Bd	(AB)
XPA2	27-1	0930	Wed	13971	02918 00001 00000 41653	MFSK-16/20Bd	(AB/RL)
XPA2	27-1	0950	Wed	13371	02918 00001 00000 41653	MFSK-16/20Bd	(AB/RL)
XPA2	27-1	1100	Wed	13384	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	27-1	1120	Wed	12184	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	27-1	1140	Wed	10984	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	27-1	1200	Wed	10726	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	27-1	1220	Wed	11426	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	27-1	1240	Wed	12226	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	28-1	0910	Thu	14794	08917 00001 00000 41261	MFSK-16/20Bd	(AB)
XPA2	28-1	0930	Thu	13994	08917 00001 00000 41261	MFSK-16/20Bd	(AB)
XPA2	28-1	0950	Thu	12194	08917 00001 00000 41261	MFSK-16/20Bd	(AB)
XPA2	28-1	1100	Thu	13384	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ)
XPA2	28-1	1120	Thu	12184	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ)
XPA2	28-1	1140	Thu	10984	07984 00195 07506 ... 01930 14448 07571	MFSK-16/20Bd	(AB/MPJ)
XPA2	28-1	1600	Thu	10465	09104 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	28-1	1620	Thu	9165	09104 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	28-1	1640	Thu	8065	09104 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	29-1	1100	Fri	10231	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB/RL)
XPA2	29-1	1120	Fri	9331	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB/RL)
XPA2	29-1	1140	Fri	8131	05490 00161 45678 ... 35029 02921 22750	MFSK-16/20Bd	(AB/RL)
XPA2	29-1	1200	Fri	10726	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	29-1	1220	Fri	11426	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	29-1	1240	Fri	12226	07696 00152 25454 ... 37543 60591 14360	MFSK-16/20Bd	(AB/RL)
XPA2	30-1	0910	Sat	14794	09554 00001 00000 35666	MFSK-16/20Bd	(AB)

XPA2	30-1	0930	Sat	13994	09554 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	30-1	0950	Sat	12194	09554 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	30-1	1600	Sat	9317	02575 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	30-1	1620	Sat	8117	02575 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	30-1	1640	Sat	7517	02575 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	31-1	1200	Sun	10921	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	31-1	1220	Sun	12221	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-1	1240	Sun	13521	06301 00198 37678 ... 87244 07122 26701	MFSK-16/20Bd	(AB/MPJ)
XPB1	2-1	1100	Sat	14769	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1110	Sat	14369	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1120	Sat	13969	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1130	Sat	13369	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1140	Sat	12169	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1150	Sat	11169	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2000	Sun	7771	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2010	Sun	7471	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2020	Sun	6771	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2030	Sun	5771	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2040	Sun	5171	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	2050	Sun	4771	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-1	1100	Mon	14769	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1110	Mon	14369	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1120	Mon	13969	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1130	Mon	13369	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1140	Mon	12169	Russian intel.	MFSK-16	(AB)
XPB1	4-1	1150	Mon	11169	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0600	Tue	12187	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0610	Tue	13387	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0620	Tue	13887	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0630	Tue	14487	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0640	Tue	14987	Russian intel.	MFSK-16	(AB)
XPB1	5-1	0650	Tue	15887	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2000	Tue	7771	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2010	Tue	7471	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2020	Tue	6771	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2030	Tue	5771	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2040	Tue	5171	Russian intel.	MFSK-16	(AB)
XPB1	5-1	2050	Tue	4771	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1100	Sat	14769	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9-1	1110	Sat	14369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9-1	1120	Sat	13969	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9-1	1130	Sat	13369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9-1	1140	Sat	12169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9-1	1150	Sat	11169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10-1	2000	Sun	7771	Russian intel.	MFSK-16	(AB)
XPB1	10-1	2010	Sun	7471	Russian intel.	MFSK-16	(AB)
XPB1	10-1	2020	Sun	6771	Russian intel.	MFSK-16	(AB)

XPB1	10-1	2030	Sun	5771	Russian intel.	MFSK-16	(AB)
XPB1	10-1	2040	Sun	5171	Russian intel.	MFSK-16	(AB)
XPB1	10-1	2050	Sun	4771	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0600	Mon	12187	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0610	Mon	13387	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0620	Mon	13887	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0630	Mon	14487	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0640	Mon	14987	Russian intel.	MFSK-16	(AB)
XPB1	11-1	0650	Mon	15887	Russian intel.	MFSK-16	(AB)
XPB1	11-1	1100	Mon	14769	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11-1	1110	Mon	14369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11-1	1120	Mon	13969	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11-1	1130	Mon	13369	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	11-1	1140	Mon	12169	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	11-1	1150	Mon	11169	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	12-1	0600	Tue	12187	Russian intel.	MFSK-16	(AB)
XPB1	12-1	0610	Tue	13387	Russian intel.	MFSK-16	(AB)
XPB1	12-1	0620	Tue	13887	Russian intel.	MFSK-16	(AB)
XPB1	12-1	0630	Tue	14487	Russian intel.	MFSK-16	(AB)
XPB1	12-1	0640	Tue	14987	Russian intel.	MFSK-16	(AB)
XPB1	12-1	0650	Tue	15887	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2000	Tue	7771	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2010	Tue	7471	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2020	Tue	6771	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2030	Tue	5771	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2040	Tue	5171	Russian intel.	MFSK-16	(AB)
XPB1	12-1	2050	Tue	4771	Russian intel.	MFSK-16	(AB)
XPB1	16-1	1100	Sat	14769	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16-1	1110	Sat	14369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16-1	1120	Sat	13969	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16-1	1130	Sat	13369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16-1	1140	Sat	12169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16-1	1150	Sat	11169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	17-1	2000	Sun	7771	Russian intel.	MFSK-16	(AB)
XPB1	17-1	2010	Sun	7471	Russian intel.	MFSK-16	(AB)
XPB1	17-1	2020	Sun	6771	Russian intel.	MFSK-16	(AB)
XPB1	17-1	2030	Sun	5771	Russian intel.	MFSK-16	(AB)
XPB1	17-1	2040	Sun	5171	Russian intel.	MFSK-16	(AB)
XPB1	17-1	2050	Sun	4771	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0600	Mon	12187	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0610	Mon	13387	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0620	Mon	13887	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0630	Mon	14487	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0640	Mon	14987	Russian intel.	MFSK-16	(AB)
XPB1	18-1	0650	Mon	15887	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1100	Mon	14769	Russian intel.	MFSK-16	(AB)
XPB1	18-1	1110	Mon	14369	Russian intel.	MFSK-16	(AB/MPJ)

XPB1	18-1	1120	Mon	13969	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	18-1	1130	Mon	13369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	18-1	1140	Mon	12169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	18-1	1150	Mon	11169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	19-1	0600	Tue	12187	Russian intel.	MFSK-16	(AB)
XPB1	19-1	0610	Tue	13387	Russian intel.	MFSK-16	(AB)
XPB1	19-1	0620	Tue	13887	Russian intel.	MFSK-16	(AB)
XPB1	19-1	0630	Tue	14487	Russian intel.	MFSK-16	(AB)
XPB1	19-1	0640	Tue	14987	Russian intel.	MFSK-16	(AB)
XPB1	19-1	0650	Tue	15887	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2000	Tue	7771	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2010	Tue	7471	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2020	Tue	6771	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2030	Tue	5771	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2040	Tue	5171	Russian intel.	MFSK-16	(AB)
XPB1	19-1	2050	Tue	4771	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1100	Sat	14769	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	23-1	1110	Sat	14369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	23-1	1120	Sat	13969	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	23-1	1130	Sat	13369	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	23-1	1140	Sat	12169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	23-1	1150	Sat	11169	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	24-1	2000	Sun	7771	Russian intel.	MFSK-16	(AB/PP1)
XPB1	24-1	2010	Sun	7471	Russian intel.	MFSK-16	(AB)
XPB1	24-1	2020	Sun	6771	Russian intel.	MFSK-16	(AB)
XPB1	24-1	2030	Sun	5771	Russian intel.	MFSK-16	(AB)
XPB1	24-1	2040	Sun	5171	Russian intel.	MFSK-16	(AB)
XPB1	24-1	2050	Sun	4771	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0600	Mon	12187	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0610	Mon	13387	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0620	Mon	13887	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0630	Mon	14487	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0640	Mon	14987	Russian intel.	MFSK-16	(AB)
XPB1	25-1	0650	Mon	15887	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1100	Mon	14769	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1110	Mon	14369	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1120	Mon	13969	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1130	Mon	13369	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1140	Mon	12169	Russian intel.	MFSK-16	(AB)
XPB1	25-1	1150	Mon	11169	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0600	Tue	12187	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0610	Tue	13387	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0620	Tue	13887	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0630	Tue	14487	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0640	Tue	14987	Russian intel.	MFSK-16	(AB)
XPB1	26-1	0650	Tue	15887	Russian intel.	MFSK-16	(AB)
XPB1	26-1	2000	Tue	7771	Russian intel.	MFSK-16	(AB)

XPB1	26-1	2010	Tue	7471	Russian intel.	MFSK-16	(AB)
XPB1	26-1	2020	Tue	6771	Russian intel.	MFSK-16	(AB)
XPB1	26-1	2030	Tue	5771	Russian intel.	MFSK-16	(AB)
XPB1	26-1	2040	Tue	5171	Russian intel.	MFSK-16	(AB)
XPB1	26-1	2050	Tue	4771	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1100	Sat	14769	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1110	Sat	14369	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1120	Sat	13969	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1130	Sat	13369	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1140	Sat	12169	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1150	Sat	11169	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2000	Sun	7771	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2010	Sun	7471	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2020	Sun	6771	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2030	Sun	5771	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2040	Sun	5171	Russian intel.	MFSK-16	(AB)
XPB1	31-1	2050	Sun	4771	Russian intel.	MFSK-16	(AB)
XSL	12-1	1518	Tue	6444.5	Japanese Navy a.k.a. Slot Machine	QPSK/1500Bd	(FT)

CONTRIBUTORS

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AB	Ary Boender, Netherlands	F5JBR-J	F5JBR André via remote rx Japan
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Abder	Abder	FT	Frank Thierry
AB-DOM	Ary Boender via remote rx Dominican Rep.	FT-FIN	Frank Thierry viz remote rx Finland
AB-FIN	Ary Boender via remote rx Finland	GHn	Gary Hagermann, UK
AB-GRC	Ary Boender via remote rx Greece	Gwr	Gwraspe
AB-IND	Ary Boender via remote rx India	HFD	Hans-Friedrich Dumrese, Germany
AB-J	Ary Boender via remote rx Japan	HFD-CHN	Hans-Friedrich Dumrese via remote rx China
AB-KWT	Ary Boender via remote rx Kuwait	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-PHL	Ary Boender via remote rx Philippines	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-POL	Ary Boender via remote rx Poland	JPL	JPL, NB, Canada (and various remote rx)
AB-ROU	Ary Boender via remote rx Romania	JPL-HK	JPL via remote rx Hong Kong
AB-RUS	Ary Boender via remote rx Russia	JPL-RUS	JPL via remote rx Russia
AB-TRD	Ary Boender via remote rx Trinidad & Tobago	MPJ	Jim, SW England
AB-TWN	Ary Boender via remote rx Taiwan	MPJ-AUT	Jim via remote rx Austria
AB-USA	Ary Boender via remote rx USA	MPJ-HNG	Jim via remote rx Hungary
AnEur	Anonymous Europe	MPJ-POL	Jim via remote rx Poland
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Designators

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrids of analog and digital modes
M(C)	Morse code (Chinese)
P	QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	G06, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM10	Morse	?	

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

Figures and words used by the various numbers stations

Cut numbers

Several stations are using cut numbers. Often only the zero which is represented by the letter “T”.

M89 and M95 cut numbers A U 3 4 5 6 7 D N T
 1 2 3 4 5 6 7 8 9 0

M08a cut numbers A N D U W R I G M T
 1 2 3 4 5 6 7 8 9 0

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itzien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba|y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	—
Out	Out	Konets	

Note: M03 and M08a are defunct.

See for more information our [Numbers & Oddities website](#)

COLOPHON

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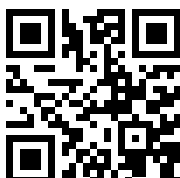
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986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 498
67 68768 68763 34234 34238 68768 62342 48273 48768 230
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
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983 98798 98754 98754 98754 98754 29867 67543 67986 86
976 87698 69876 87698 69876 87612 12341 34867 86798 652
867 43298 65656 56756 56123 32143 14321 32143 14321 321
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