



59  
 88 03682 16611 54435 70021 0812  
 70 63217 27897 12455 85781 5385  
 93 81388 64568 52579 58686 7194  
 93 41368 28085 56957 08048 7364  
 56 62652 95683 82429 30762 0376  
 87 57524 18135 26488 16847 4710

50052 87856 15621 15647 8432  
 76386 78412 13741 37600 2405  
 14060 85665 00441 53297 1367  
 78843 44290 87562 11190 2603  
 04690 71597 83750 86835 0996  
 17507 96348 38331 01309 7744  
 12715 26831 33045 36719 6540  
 140 73414 85260 04396 3735



*UDXF and Numbers & Oddities wish you a  
 healthy and peaceful new year*

## *Numbers & Oddities* *a.k.a. The Spooks Newsletter* *Edition #243, December 2017*

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 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.

## FOREWORD

When you read this, 2018 has already begun. Lots of good, bad, happy and sad things have happened in 2017. I deeply regret that several UDXF members passed away, including our Team Logs member Nick Rumble. Let's hope that 2018 will be a healthy, peaceful and prosperous year for all of us and our families.

Thanks to everyone who contributed to UDXF and Numbers & Oddities in 2017. Your input is really appreciated.

Further I want to congratulate DX-West in the Netherlands which celebrated its 30<sup>th</sup> birthday in December.

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## VOICE STATIONS

### E06

#### **14575/17420 kHz, 07-12/08-12, 0600/0700 UTC**

923 607 54

58819 80155 54424 96135 43771 38501 25693 08285 74065 90354  
50054 71479 76577 33545 08916 29066 24550 91886 84311 81033  
42035 81114 07335 19926 52173 94058 02756 47704 30267 09745  
53279 90752 47572 56109 31858 55220 16751 81011 75518 89886  
74924 11236 99121 48719 65254 04175 72506 70341 03005 21864  
09450 16578 37009 82080  
607 54 00000

#### **4760 kHz, 08-12, 2130 UTC**

472 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946  
19647 87484 25986 28546 59196 27324 59872 48247 28485 96176  
87475 92763 83465 14592 56293 28983 29384 98329 21839 32874  
93284 98324 59693 25932 15959 61893 26498 23128 96197 12387  
13249 76324 76743 43656 87961 28763 54872 35812 54871 63248  
64726 56295 91262 52964 52765 43532 47274 12636 32127 63163  
47263 47623 76275 26543 76437 36437 64236 43764 28976 49276  
42897 73428 34563 92473 91242 17492 27491  
183 77 00000

#### **14575/17420 kHz, 21-12/22-12, 0600/0700 UTC**

923 786 51

51323 73711 27643 15697 16414 82460 67064 87265 25767 88663  
94786 06963 17454 52092 31706 64565 41119 01698 01274 45773  
42419 26580 28057 43802 14359 01414 08651 32718 57714 57294  
09648 76024 17718 33933 72342 68944 89202 74127 28866 37824  
07395 46462 59426 45110 66533 07171 45358 73326 33515 37090  
97653  
786 51 00000

**8123/9323/10423 kHz, 02-12/03-12, 0700/0720/0740 UTC**

134 134 134 1 942 128 942 128  
80908 90911 03724 82410 95362 28568 69183 02115 23839 03449  
69122 90013 23279 42929 34863 66910 51348 03395 09465 36800  
05086 77370 39611 06841 02519 98586 53923 67736 94937 19289  
70543 82917 64142 88514 08902 51114 36200 06388 15120 14138  
49521 55108 84151 08742 11004 47666 92652 73358 22883 96228  
64832 62194 15898 50757 62900 77019 15797 99172 20630 84614  
86601 31366 55006 94555 23560 26173 22694 84693 98608 67562  
77059 57601 47815 10221 31141 26322 67249 27599 91849 17644  
47310 85411 96953 02537 78843 34565 58913 26017 51965 86276  
24284 45142 50599 12106 94407 93483 65797 53026 55237 44973  
09094 13935 18563 27369 52790 30927 45983 07649 91963 41331  
55382 51022 01295 58539 77614 24420 42046 56990 31888 15684  
60062 03789 21351 60117 80265 52243 68505 40182 000 000

**11493/10193/8193 kHz, 01-12, 1100/1120/1140 UTC**

411 411 411 1 8175 77 8175 77  
58096 22985 69038 34583 36508 56202 61680 60585 32930 70920  
76615 42590 40062 04687 40644 83372 62781 74992 97222 97638  
43588 91244 26162 91991 15772 97376 05062 05381 32730 79034  
78639 21848 64774 67018 78336 44521 21565 59153 14378 91907  
39535 75973 92236 58148 11942 27337 44399 84409 37977 88956  
05219 81738 57219 93722 65258 06530 67054 46222 40807 73358  
41767 47936 59507 38138 33919 87857 76371 55661 17026 14367  
68967 52069 42224 23191 50558 97910 55591 000 000

**7464/5864/4564 kHz, 03-12/06-12, 1800/1820/1840 UTC**

485 485 485 1 211 43 211 43  
17735 92083 28038 68035 67762 63491 26083 61581 21245 48153  
87517 18421 18277 02906 57323 17825 34464 21307 99664 91385  
57579 81946 41839 23110 04732 72301 46204 90245 13823 45904  
47146 75986 28134 60522 56784 36808 53716 56210 70582 58145  
48729 50618 94222 000 000

**Unscheduled transmissions, copied by qsr711****9060/10250/13370 kHz, 06-12, 1058/1018/1038 UTC**

687 687 687 1 5533 100 5533 100  
01813 79019 63940 13007 31835 15034 79778 56153 18854 41754  
81758 06310 59412 94693 33003 78308 70047 ?2003 35111 08662  
44416 72911 10705 77084 00943 41567 20??? 12792 94121 06214  
17292 80324 70224 82686 41488 42551 75440 91274 18487 26802  
27884 05661 91053 93020 64989 20350 87573 14350 87072 32252  
88523 79731 00676 89543 50927 69110 18267 89277 33953 21130  
34705 66??2 73811 04269 18590 44415 84448 69298 32230 65117  
13597 94882 30286 05512 52565 19841 16793 76688 41271 45275  
51616 02216 21453 87350 06358 97539 36444 84320 96775 94518  
280?? 97076 94506 96745 51497 25?26 752?8 49015 51704 7435?  
000 000

**8123/9323/10423 kHz, 09-12/10-12/16-12/17-12, 0700/0720/0740 UTC**

134 134 134 1 230 38 230 38  
53373 47979 86751 82810 78719 70122 26115 52968 98958 42430  
01666 81739 88133 18772 28699 16313 49405 13089 60270 89617  
29024 31954 43425 93768 61074 91816 89871 91139 80677 76892  
05535 81614 53149 99826 30996 26558 10511 07553 000 000

**11493/10193/8193 kHz, 12-12/15-12, 1100/1120/1140 UTC**

411 411 411 1 3593 65 3593 65  
 51488 63746 21425 38484 07200 71333 54667 29657 43595 78074  
 52029 74852 48674 23328 90952 62368 03290 09130 85811 25675  
 23792 81260 40101 25769 17205 80402 93374 54847 97272 61024  
 88379 54465 17376 59608 87633 68061 66579 66426 35156 70522  
 08774 42008 85429 27255 49812 34413 17228 41004 39096 85102  
 81365 42786 64836 02568 39736 96712 94297 72248 41713 56972  
 84575 33957 42378 55899 23474 000 000

**6777/5449/4483 kHz, 14-12, 2110/2130/2150 UTC, AM. Very poor like most of the AM transmissons.**

744 744 744 1 540 87 540 87  
 97238 15887 84028 10647 22528 45510 78543 99435 78047 56147  
 70415 41021 02198 55646 7x519 86565 48416 07084 56394 05472  
 41183 77827 09331 33137 08501 77xx9 39523 53415 32255 23206  
 x4582 81868 05505 20085 88166 99515 59059 55888 05124 24765  
 13881 72352 34367 23057 53407 19168 49555 7x872 10x00 x1278  
 83295 71247 594xx xxxxx 80xxx 97xxx 0xxxx xxxxx xxxxx xxxxx  
 90282 01438 84272 x9882 01892 12x82 88704 8xxxx x4424 z819x  
 xxxxx 25823 xx928 51x45 54357 0182x 28x57 22541 40067 98218  
 12305 88183 33864 8xxxx xxxxx xxxxx xxxxx 000 000

**6823/5823/5123 kHz, 25-12/27-12, 2000/2020/2040 UTC**

881 881 881 1 183 56 183 56  
 86744 43493 44893 08309 07781 42798 71830 51839 99704 95295  
 88281 73725 54882 50140 12668 68750 65798 32669 92753 50905  
 44183 05098 41258 59151 73088 45891 19237 33094 71427 94902  
 71200 30172 56104 08995 61712 82417 05919 39509 53082 32843  
 93780 71762 82019 83734 79393 60106 34813 50612 14900 21967  
 31331 11661 03297 57209 11747 37892 000 000

**E07a****5877/5277/4577 kHz, 06-12, 2100/2120/2140 UTC**

825 825 825 1 39187 6743 53 6743 53  
 62177 48949 60197 62090 12549 77980 36695 78349 25875 42288  
 50476 81775 12493 08810 46536 35234 21371 16245 33753 54770  
 95846 54974 28299 27074 24855 27440 91801 60562 35918 47740  
 20774 17868 19022 69406 99661 70438 41532 99405 14061 46433  
 09521 54677 71742 73025 35117 40143 98205 29384 45782 02463  
 43734 89920 26690 000 000

**5111/5811/6911 kHz, 07-12, 0530/0550/0610 UTC**

189 189 189 1 6743 53 6743 53  
 62177 48949 60197 62090 12549 77980 36695 78349 25875 42288  
 50476 81775 12493 08810 46536 35234 21371 16245 33753 54770  
 95846 54974 28299 27074 24855 27440 91801 60562 35918 47740  
 20774 17868 19022 69406 99661 70438 41532 99405 14061 46433  
 09521 54677 71742 73025 35117 40143 98205 29384 45782 02463  
 43734 89920 26690 000 000

**5877/5277/4577 kHz, 20-12/27-12, 2100/2120/2140 UTC**

825 825 825 1 14946 4414 49 4414 49  
 25695 14104 56308 58908 40629 66284 60681 68364 88954 81592  
 96966 73977 46165 70920 41352 74548 34258 78049 22241 08935  
 47569 78929 79168 50076 17098 14766 94614 32245 25634 28040  
 77015 89506 10445 81893 53248 12587 05831 17867 62944 78449  
 37923 97713 84099 03259 03690 60417 79824 03728 29236 000 000

**5111/5811/6911 kHz, 21-12/28-12, 0530/0550/0610 UTC**

189 189 189 1 14946 4414 49 4414 49  
25695 14104 56308 58908 40629 66284 60681 68364 88954 81592  
96966 73977 46165 70920 41352 74548 34258 78049 22241 08935  
47569 78929 79168 50076 17098 14766 94614 32245 25634 28040  
77015 89506 10445 81893 53248 12587 05831 17867 62944 78449  
37923 97713 84099 03259 03690 60417 79824 03728 29236 000 000

**E11a****10213 kHz, 04-12, 0745 UTC****5409 kHz, 07-12, 1530 UTC**

264/37 Attention  
96931 15226 19656 48812 18956 82234 46055 19894 22370 34567  
80112 51992 75624 03449 81199 45059 65547 61949 41385 31427  
75326 68168 75303 36667 84257 65041 60987 10587 94890 99426  
63248 28820 17222 57770 48423 17685 77143  
Attention, rpt msg, out

**7984 kHz, 04-12/07-12, 0820 UTC**

434/32 Attention  
50920 00583 53324 67704 19728 63570 19609 85006 03959 01881  
66882 68703 20959 42661 23318 28432 62023 40691 21743 44777  
81946 38680 88340 94425 43709 93551 76357 37001 80245 21524  
79091 79598  
Attention, rpt msg, out

**9130 kHz, 05-12/08-12, 0710 UTC**

637/32 Attention  
74645 96415 31673 59894 62173 09503 35771 30892 57880 43684  
13048 10042 07444 12577 29527 49248 06733 57511 01392 09044  
01694 79312 22305 08147 87475 12069 30246 36201 65486 52545  
91625 81288  
Attention, rpt msg, out

**12153 kHz, 05-12, 1045 UTC**

570/36 Attention  
35807 54156 59409 95452 94941 48817 17414 81288 77649 11181  
03546 91206 94697 27245 23419 35345 74530 03118 54206 65326  
12198 70021 24429 74817 17021 75313 90176 15761 67726 07482  
84252 54580 36475 35382 65864 84977  
Attention, rpt msg, out

**12067 kHz, 07-12, 1925 UTC**

552/35 Attention  
69835 60296 63629 60767 00814 04783 98661 00554 97801 42707  
12452 95934 45269 83591 14849 59582 85737 24056 59276 18046  
96047 92547 32522 55837 97951 99599 36747 74340 32006 48710  
42720 35088 55759 10634 59028  
Attention, rpt msg, out

**7840 kHz, 12-12, 0645 UTC**

511/33 Attention  
15032 97425 39135 56412 20591 99097 78563 19723 71114 08276  
95576 53301 17325 30006 84540 91400 67274 39306 78765 38770  
17498 64484 97831 85296 64166 46081 62777 18993 89437 26975  
80894 96550 22962  
Attention, rpt msg, out

**14666 kHz, 12-12/16-12, 1345 UTC**

919/36 Attention

99080 34837 75115 95885 17635 27526 90738 56321 92185 32999  
00367 14891 02565 18147 51451 97496 95189 50675 62199 21872  
82804 34580 58860 11102 86663 64849 05767 00944 66424 76776  
80435 98540 91058 22695 31926 71161

Attention, rpt msg, out

**11493 kHz, 12-12/14-12, 1645 UTC**

330/37 Attention

84720 27086 01155 98852 28868 18085 53102 72303 61005 77572  
71135 20095 43500 79245 25794 37490 04463 97910 49860 81821  
41338 63129 90181 76271 72667 70929 45199 61006 58099 98044  
15748 08680 32548 14297 28203 85203 98669

Attention, rpt msg, out

**8180 kHz, 13-12, 0930 UTC**

276/35 Attention

51008 22900 46825 34325 28410 35382 95146 95183 40868 01497  
38595 88764 12426 03637 85002 91326 18657 65018 67537 42169  
54892 65106 46913 25416 86213 90575 93333 76740 35484 45599  
97032 21805 83582 05159 39954

Attention, rpt msg, out

**10448 kHz, 13-12, 1625 UTC**

974/33 Attention

11330 76792 69428 39850 36770 82600 50770 13595 73330 30752  
63174 05675 24889 14247 82981 92317 58547 34513 89618 34792  
09495 13738 22342 76253 19286 94217 81694 59826 91778 46197  
10426 67627 98249

Attention, rpt msg, out

**8680 kHz, 14-12, 1300 UTC**

589/39 Attention

02119 30729 93203 09446 21078 46147 15039 44089 09926 60520  
18342 43517 95743 55431 11393 74054 68396 67220 26242 18530  
93119 31314 53695 08244 20554 36151 52468 70053 31976 13926  
07435 26199 77338 97853 49824 80845 22587 88937 95903

Attention, rpt msg, out

**9200 kHz, 18-12, 0600 UTC**

182/21 Attention

58589 97032 18388 97364 17344 23757 36436 72499 29547 14513  
67407 53855 46713 46514 81920 75522 49453 36799 94776 78506  
06971

Attention, rpt msg, out

**11450 kHz, 18-12/20-12, 0640 UTC**

940/35 Attention

12994 46924 28861 61739 56516 73997 77539 36767 59262 66735  
90325 46810 72575 66042 73802 47416 98864 23015 75181 11933  
42838 09201 22750 45740 02086 35419 42603 12741 42647 05894  
92633 14394 62390 09740 71011

Attention, rpt msg, out

**9446 kHz, 18-12/20-12, 0900 UTC**

534/37 Attention

65827 52714 98049 41622 09263 20211 04415 97110 71687 18939  
57757 07179 40719 92642 65455 56249 17864 17309 42583 99450  
59923 21599 07159 01921 97975 91921 10619 92279 21298 13728  
53182 47027 71694 14772 29864 59326 69654

Attention, rpt msg, out

**12202 kHz, 19-12/20-12, 0820 UTC**

131/32 Attention

01243 14342 08932 60052 63409 78978 89600 51957 34870 15668  
14939 83758 73713 23324 77443 95791 45681 76518 80164 24342  
59810 35283 66068 37332 95483 52741 83379 39460 84653 33662  
81688 59688

Attention, rpt msg, out

**11104 kHz, 19-12/21-12, 0845 UTC**

159/23 Attention

64463 40817 22492 85445 34375 28276 59976 34937 69270 45682  
91841 88637 19230 89893 86155 59803 47150 25139 35483 52918  
62373 37984 41227

Attention, rpt msg, out

**8800 kHz, 19-12/22-12, 1000 UTC**

307/21 Attention

93706 19056 38434 09824 74113 62590 72120 94289 33195 79437  
30604 67373 82357 35134 17828 91208 60363 54452 77138 61949  
56746

Attention, rpt msg, out

**7317 kHz, 19-12/20-12, 1205 UTC**

464/33 Attention

51342 13394 12092 04512 75228 30284 59480 39943 45851 16379  
26480 07116 98580 47468 84173 87861 85591 30098 72403 72257  
59950 76653 79737 16608 75790 06687 46383 12467 99577 66825  
30737 97062 20279

Attention, rpt msg, out

**9443 kHz, 20-12/23-12, 1705 UTC**

396/33 Attention

04446 23279 30306 85624 34320 81801 88104 68178 66048 33416  
26796 52452 03078 93696 76472 60535 99037 93565 51759 14063  
80262 41584 13006 38160 38134 87052 30067 59283 31472 53144  
82369 50796 89633

Attention, rpt msg, out

**4505 kHz, 23-12/24-12, 0710 UTC**

497/33 Attention

70094 37071 79707 39142 12843 60959 98770 48338 74721 85091  
10065 03969 53059 15543 93028 06895 57389 05016 95912 14298  
64849 30201 27080 76141 21398 82134 67874 39939 13854 34406  
32120 93253 41956

Attention, rpt msg, out

**4909 kHz, 25-12, 0450 UTC**

410/40 Attention

52024 09673 30258 14656 40646 90722 59454 00260 18013 79691  
32888 30791 44968 55511 75043 20817 73921 82736 42635 46784  
70706 52526 78019 37492 75120 36905 73721 73050 10685 15119  
69526 82045 78067 25383 29112 25655 75042 37997 83553 77061

Attention, rpt msg, out

**4505 kHz, 26-12/31-12, 1605 UTC**

237/35 Attention

80676 39146 99182 41375 80525 74665 55738 03353 26688 08610  
93065 73604 98640 86149 73505 27354 00501 38497 26519 00999  
28902 73736 35588 58857 88912 43898 52029 04204 78454 93656  
96205 47281 10717 35302 95775

Attention, rpt msg, out

**6849 kHz, 28-12, 1900 UTC**

643/37 Attention

36789 61690 75632 12490 05590 04503 01946 67476 72494 29564  
44925 05549 47968 90504 85614 23366 89511 22203 59740 79609  
37960 78190 79575 02241 22450 23280 00868 15043 67138 29632  
65567 30029 32884 44996 69976 83926 41075

Attention, rpt msg, out

**16335 kHz, 29-12/31-12, 1650 UTC**

925/39 Attention

81317 43562 28068 34719 61030 78423 63940 27215 64369 44523  
52519 97991 13042 43985 74724 51495 81603 09925 41237 72115  
55100 58869 29221 06749 70935 01757 80924 64407 10218 17940  
80908 95799 29519 24380 22014 97691 13575 13755 23515

Attention, rpt msg, out

**7377 kHz, 30-12/31-12, 0805 UTC**

316/32 Attention

33539 88797 53035 61619 08689 94743 75118 39124 94555 62400  
58763 66515 83366 43076 35641 24054 13595 74058 58085 35790  
03374 75876 39338 26831 41720 29764 43880 58775 26789 29548  
35396 72833

Attention, rpt msg, out

**E17z**

**11170/9820 kHz, 07-12/14-12, 0800/0810 UTC**

674 890 5 11394 30307 31450 38153 39650 890 5 00000

**11170/9820 kHz, 21-12, 0800/0810 UTC**

674 281 5 51326 41878 48807 28229 33118 281 5 00000

**E25**

**6140 kHz 05-12, 0819 UTC**

Male operator. Live

333 333 333 333 333 (tx off)

7580 3307 6559 0176 0789 9738 7580

Rebeat, rebat, rebat

3080 7580 3307 6559 1076 0789 9738 7580

End of message. End of transmission



Note:

The 1st group of the message is missing but is mentioned in the repeat;  
the 5th group is different: 0176 vs 1076

**6140 kHz 05-12, 0831 UTC**

Male operator. Live (different operator). Voices in the background

333 333 333 (18x)

Message, message, message

3080 7580 3307 655 off

789 9738 7580

3080 7580 3307 6559 1076 0789 9738 7580

End of message. End of transmission

Note:

Errors in the 1st part of the message but repeated correctly.

**6140 kHz 05-12, 0930 UTC**

333 (repeated)

3080 7580 3307 6559 1076 0789 9738 7580

Rebeat, rebat, rebat

3080 7580 3307 6559 1076 0789 9738 7580

End of message. End of transmission

**6140 kHz, 06-12, 0903 UTC**

Live male voice

333 333 333 333 333

Message, message, message

3080 7580 3307 6559 0176 0789 9738 7580

End of message. End of transmission

**6140 kHz, 06-12, 0905 UTC**

Live male voice, background voices. Another man is correcting/helping the operator

3 pause, background voices. The operator can obviously not read all the digits. The other man is helping him.

3080 7580 3307 6559 10 stops

Rebeat, rebat, rebat

3080 7589 3307 6559 1076 0789 97 stops

**6140 kHz, 06-12, 0930 UTC**

Live male voice.

333 333 333 333 333 333 333 333 333 333 333

Message, message, message

3080 7580 3307 6559 1076 0789 0738 7580

Rebeat, rebat, rebat

3080 7580 3307 6559 1076 0789 0738 7580

End of message. End of transmission

## **G06**

**4519 kHz, 14-12, 1830 UTC**

271 847 58

67391 24518 97497 42873 48732 35875 94589 43543 93269 73231

39317 43073 24893 21956 58946 58943 68951 29618 93648 91693

64134 86596 42384 84274 56741 38549 74375 13248 24389 34923

43241 39432 49321 89589 32385 48434 91893 24832 39532 65764

32893 76738 78346 57263 75329 65287 41291 31284 82564 37539

38578 43969 35434 54363 25487 21645 72848 69529

847 58 00000

**4792 kHz, 15-12, 1930 UTC**

436 847 58

67391 24518 97497 42873 48732 35875 94589 43543 93269 73231  
39317 43073 24893 21956 58946 58943 68951 29618 93648 91693  
64134 86596 42384 84274 56741 38549 74375 13248 24389 34923  
43241 39432 49321 89589 32385 48434 91893 24832 39532 65764  
32893 76738 78346 57263 75329 65287 41291 31284 82564 37539  
38578 43969 35434 54363 25487 21645 72848 69529  
847 58 00000

**4836 kHz, 21-12, 2030 UTC**

321 847 58

67391 24518 97497 42873 48732 35875 94589 43543 93269 73231  
39317 43073 24893 21956 58946 58943 68951 29618 93648 91693  
64134 86596 42384 84274 56741 38549 74375 13248 24389 34923  
43241 39432 49321 89589 32385 48434 91893 24832 39532 65764  
32893 76738 78346 57263 75329 65287 41291 31284 82564 37539  
38578 43969 35434 54363 25487 21645 72848 69529  
847 58 00000

Windows shut down sound

**4519 kHz, 28-12, 1829 UTC**

271 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
149 52 00000

**4792 kHz, 29-12, 1930 UTC**

436 149 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
149 52 00000

Windows shut down sound

**S06****10755 kHz, 22-12, 0950 UTC. Two unscheduled transmissions i.p.**

07889 09818 72454 75583 91099 43646 84276 17160 56540 84726  
84427 93515 59586 12681 99756 07615 81684 12887 32846 75859  
316 28

975 841 24

64217 48628 50090 70492 43139 10552 78530 68020 63587 07602  
61621 41729 18598 40163 51332 54160 59428 34969 51579 18630  
46283 33488 73890 21266  
841 24 00000

**8116 kHz, 26-12, 1000 UTC. Unscheduled transmission. Two identical S06 stations. One of them switched to OFDM.**

**6792 kHz, 26-12, 1030 UTC. Unscheduled transmission //12164 kHz**

**12164 kHz, 26-12, 1030 UTC. Distorted sound. Leaking into the channel from 6792 kHz**

480 916 40

56799 23172 12538 90406 07709 11939 47843 07747 55616 13621

64722 61188 95389 50048 29275 46166 33523 55941 82452 21222

19101 18485 00621 22894 94543 02359 17202 33903 47724 14863

70931 67461 66089 57923 15689 38290 64137 99288 71561 84703

916 40 00000

## **S06c**

15736 kHz, 09-12, 1050 UTC: 11115

13468 kHz, 09-12, 1100 UTC: 11115

13952 kHz, 20-12, 0630 UTC: 11216 (R4m)

## **S06s**

S06s oddities:

**5765 kHz, 15-12, 0859 UTC**

**516 516 516** (id of the 0930/0940z schedule), then at 0900z 624 870 5 77242 62548 58809 86080 72947 870 5 00000

**11780 kHz, 08-12, 0930 UTC**

**516** 489 7 67949 06475 40400 83726 95993 63070 00930 489 7 00000

**12155 kHz, 21-12, 1200 UTC**

425 831 6 98539 43324 98306 42

Restart at 1207 UTC: 425 (R) 98539 43324 98306 33149 07660 71851 831 6 00000

**10920 kHz, 21-12, 1214 UTC**

Late start. 425 831 6 98539 43324 98306 33149 07660 71851 831 6 00000

**5765 kHz, 29-12, 0900 UTC**

624 870 5 77242 62548 58809 86080 then off when they realized that it should have been a null message

**6315 kHz, 29-12, 0910 UTC**

624 624 624 00000

## **S11a**

**7840 kHz, 12-12/15-12, 1020 UTC**

427/39 Vnmaniye

87003 63866 58893 15530 87650 46778 06965 57374 83975 25769

22398 07402 06024 44095 72990 99704 09241 83681 85096 19436

38225 91922 23508 63235 18623 85942 39513 15360 51054 09255

91633 98507 27150 10833 83712 22460 03490 44597 73137

Vnmaniye, rpt msg, konets

**11486 kHz, 13-12, 1850 UTC**

284/35 Vnmaniye

70528 40975 08290 44374 97139 04745 35465 72148 67962 75751

25953 44963 21617 13035 61316 41329 49853 29266 68458 69139

87449 57519 50858 19909 30975 12999 89357 34942 57076 90655

83308 02666 44727 17366 94126

Vnmaniye, rpt msg, konets

**5815 kHz, 15-12, 1955 UTC**

370/34 Vnimanije

68733 50850 59712 99755 55027 15112 95451 84740 42167 43944  
59939 71870 13207 38212 87124 12719 19317 45555 59591 95479  
55215 41202 07598 67847 52762 52947 01699 02666 08878 01530  
19621 98413 11653 48837

Vnimanije, rpt msg, konets

**11559 kHz, 18-12, 1015 UTC**

476/37 Vnimanije

22368 88990 56814 53118 52646 63721 83066 27955 38069 20653  
04446 53561 58377 69375 43917 08331 32595 80838 33435 60118  
80472 90424 46500 18901 10947 23576 00926 30247 06997 75823  
65673 06063 70242 11458 07396 66495 05740

Vnimanije, rpt msg, konets

**10728 kHz, 20-12, 1540 UTC**

560/35 Vnimanije

45662 79782 60272 80331 56979 75371 48695 14460 31914 53910  
39540 88279 51510 97333 39762 32444 41389 65617 79014 13766  
36777 86063 97388 98825 06066 46243 65752 25282 75801 83633  
95580 21574 78567 94896 74923

Vnimanije, rpt msg, konets

**4828 kHz, 26-12/29-12, 0455 UTC**

329/35 Vnimanije

53447 04218 46665 96921 58672 09813 56713 78757 88407 11122  
37834 99891 59158 03667 32239 78165 50411 98085 11582 92428  
53135 54516 23735 68152 85003 87146 68833 76586 43838 24461  
52649 27256 92548 71483 72660

Vnimanije, rpt msg, konets

**5082 kHz, 31-12, 2050 UTC**

487/35 Vnimanije

14522 23786 23229 11062 02721 13453 07584 72663 74200 60140  
33278 45708 75930 73615 77597 38041 13821 63997 65475 16266  
84219 38449 94543 25399 00508 63768 81320 15538 46905 98280  
71321 87071 17621 39021 70893

Vnimanije, rpt msg, konets

**V07****16137/14637/13437 kHz, 17-12, 0100/0120/0140 UTC**

164 164 164 1 476 77 476 77

67242 18204 16189 98991 72634 12935 88926 20426 50634 68856  
30163 73796 08185 82814 93674 28915 67006 49016 78086 22058  
32263 81553 32796 27443 96604 01379 09792 87432 74935 94926  
06579 57733 97153 06410 82586 02921 77723 23075 84734 76977  
01864 65783 88270 75888 14164 16716 42807 73233 20305 58622  
46692 77542 49198 05298 03252 68818 92056 30679 04774 72154  
14495 31604 21727 84919 43604 82629 10155 74656 99218 27096  
44654 11405 39384 46553 97049 95402 70884 000 000

## **V15 via Radio Pyongyang**

**657, 3250, 3320, 6400 kHz, 09-12, 1515 UTC, AM**

North Korean intelligence via Radio Pyongyang. Messages in Korean

Recording: <https://youtu.be/hWnmJY6Ey7c>

No. 21 explorer / Physics review task

Physics is translated as "mullihag" in Korean.

Start page and the number : 680, #02

Broadcast same as Dec 23.

**657, 3250, 3320, 6400 kHz, 14-12, 1615 UTC, AM**

North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean.

Recording: <http://www.numbersoddities.nl/V15-2017-12-14-1615utc.mp3>

No. 27 explorer / Information Technology Basic Review task

Information Technology Basic is translated as "jeongbo gisul gicho" in Korean.

Start page and the number : 920, #50

End page and the number : 048, #84

She reads 23 pages and numbers and repeats it twice.

**657, 3250, 3320, 6400 kHz, 23-12, 1515 UTC, AM**

North Korean intelligence via Radio Pyongyang. Music followed by messages in Korean

Recording: <http://www.numbersoddities.nl/V15-2017-12-23-1515utc.mp3>

Rebroadcast of Dec 09

Start page and the number : 680, #02

End page and the number : 936, #18

She reads 39 pages and numbers and repeats it twice.

**657, 3250, 3320, 6400 kHz, 28-12, 1615 UTC, AM**

North Korean intelligence via Radio Pyongyang. Messages in Korean

Recording: <http://www.numbersoddities.nl/V15-2017-12-28-1615utc.mp3>

Rebroadcast of 14-2

No. 27 explorer / Information Technology Basic Review task

Information Technology Basic is translated as "jeongbo gisul gicho" in Korean.

Start page and the number : 920, #50

End page and the number : 048, #84

She reads 23 pages and numbers and repeats it twice.

Thanks to Amano for the summaries.

Freq	Date	UTC	Day	Details
3049	01-12	1328	Fri	Parrot. Messages in Korean. Female operator
2931	01-12	1329	Fri	Parrot. Messages in Korean. Female operator
3518	01-12	1329	Fri	Parrot. Messages in Korean. Female operator
3001	01-12	1331	Fri	Parrot. Messages in Korean. Male operator
4490	03-12	2230	Sun	Parrot. Messages in Korean
4631	03-12	2230	Sun	Parrot. Messages in Korean
4934	03-12	2233	Sun	Parrot. Messages in Korean
3002	04-12	1336	Mon	Parrot. Messages in Korean. Male operator
3050	04-12	1336	Mon	Parrot. Messages in Korean. Male operator
3518	04-12	1336	Mon	Parrot. Messages in Korean. Female operator
4630	04-12	2228	Mon	Parrot. Messages in Korean. Male operator
4490	04-12	2229	Mon	Parrot. Messages in Korean. Female operator
4980	04-12	2233	Mon	Parrot. Messages in Korean. Female operator
5165	04-12	2233	Mon	Parrot. Messages in Korean. Male operator
2930	12-12	1334	Tue	Parrot. Messages in Korean. Female operator
3000	12-12	1334	Tue	Parrot. Messages in Korean. Female operator
3052	12-12	1334	Tue	Parrot. Messages in Korean. Female operator
3504	12-12	1334	Tue	Parrot. Messages in Korean. Female operator
4478	12-12	2230	Tue	Parrot. Messages in Korean. Female operator
4624	12-12	2230	Tue	Parrot. Messages in Korean. Female operator
4983	12-12	2230	Tue	Parrot. Messages in Korean. Female operator
4993	12-12	2234	Tue	Parrot. Messages in Korean. Male operator
2931	17-12	1333	Sun	Parrot. No modulation
3001	17-12	1333	Sun	Parrot. Messages in Korean. Male operator
3050	17-12	1333	Sun	Parrot. Messages in Korean. Female operator
3518	17-12	1333	Sun	Parrot. Messages in Korean. Female operator
4494	20-12	2232	Wed	Parrot. Messages in Korean. Female operator
4632	20-12	2232	Wed	Parrot. Messages in Korean. Female operator
4990	20-12	2232	Wed	Parrot. Messages in Korean. Female operator
5167	20-12	2232	Wed	Parrot. Messages in Korean. Female operator
4623	23-12	2235	Sat	Parrot. Messages in Korean. Female operator
4980	23-12	2235	Sat	Parrot. Messages in Korean
5162	23-12	2235	Sat	Parrot. Messages in Korean. Male operator
2929	24-12	1330	Sun	Parrot. Messages in Korean. Female operator
3053	24-12	1330	Sun	Parrot. Messages in Korean. Female operator
3518	24-12	1330	Sun	Parrot. Messages in Korean. Female operator

## VC01 - Chinese Robot (Chinese Air Defense)

Freq	Date	UTC	Freq	Date	UTC	Freq	Date	UTC	Freq	Date	UTC
5857	1-12	0520	5861.5	4-12	0524	5924	13-12	0517	5862	15-12	0516
3623	1-12	1204	5294	8-12	0457	4790	13-12	1305	4790	15-12	1206
4790	1-12	1204	5862	8-12	0457	5112	13-12	1305	5112	15-12	1206
5857	3-12	0603	5294	10-12	0605	5862	14-12	0701	5862	20-12	0518
5861.5	3-12	0603	5862	10-12	0605	5924	14-12	0701	5924	20-12	0518
5857	4-12	0516	5862	13-12	0517	5294	15-12	0516	5862	26-12	0517

## MORSE STATIONS

### M01

#### 5465 kHz, 24-12, 0700 UTC, including several errors

197 (R) 768 768 30 30 30 30 = =  
32754 32754 06835 06835 47596 47596 67568 67568 01959 01959  
30668 30668 29568 29568 72408 72408 04232 04232 95336 95336  
99984 99984 47560 47560 22392 22392 01421 01421 45700 45700  
73055 7588141 88141 48965 48965 48965 48965 27522 27522 90613  
90613 28770 53942 53227 52858 05769 05769 65475 65475 82801  
82801 37536 37536 02260 02260  
= = 876 876 30 30

#### 5320 kHz, 26-12, 1800 UTC, errors between brackets

197 924 924 30 30 = =  
28235 87476 63093 64114 74425 58603 16758 (384773) 38473 80041 48199  
05978 04173 66221 20067 86652 70883 02275 55202 63231 04672  
85488 68381 30407 33584 44999 32976 19968 78450 06761 50934  
= = 924 924 30 30 000

### M01a

Some late entries from November plus December logs.

#### 4408 kHz, 23-11, 1312 UTC, i.p.

.. 12560  
111 12560  
111 555  
19665 19665 18609 18609 11752 11752 11980 11980  
111 000

#### 4408 kHz, 23-11, 1354 UTC

852 (x3) 11097 (x2) (Rx3)  
333  
111 999  
890 10 = 23498 04652 18947 06251 48970 46890 76516 89704 15479 87041 = 890 10  
333  
111 = 890 10  
111 000

#### 10651 kHz, 24-11, 0717 UTC

297 (x3) 37857 (x2) (Rx4)

**10233 kHz, 28-11, 0622 UTC**

354 (x3) 78505 (x2) - Cuts out during 5fig group on second repeat.

Hand down/Test tone.

354 (x3) 79626 (x2) (Rx3) - Cuts out during 5fig group on fourth repeat.

111 999

111 999

00006 00020 18904 25384 19085 69612 06175 45009 13705 12342

76194 76637 85524 28948 05385 99924 41272 86861 77749 18732

73901 61185 72811 19818 91585 40435 80002 26456 94887 29602

61310 97250 00020 00006 00000 = 006 35

000

**10651 kHz, 28-11, 0711 UTC**

297 (x3) 38180 (x2) (Rx10) - Cuts out during eleventh repeat.

297 (x3) 39318 (x2) (Rx3) - Cuts out during forth repeat.

111 999

00007 00020 23347 56853 00335 88367 11564 96131 59783 43141

54109 60916 72048 43658 00971 43467 71183 36429 29325 38124

12611 95441 33464 89042 26351 99921 53544 63229 37303 78594

91229 33855 00030 00007 00000 = 007 35

000

**9421 kHz, 29-11, 0621 UTC**

135 (x3) 60479 (x2)

111 000

**10233 kHz, 01-12, 0619 UTC**

354 (x3) 76165 (x2) (Rx4mins).

354 (x3) 77295 (x2) (Rx4mins).

**10651 kHz, 01-12, 0709 UTC**

297 (x3) 36173 (x2) (Rx11) - Cuts out beginning of twelfth repeat.

297 (x3) 37857 (x2) (Rx10) - Cuts out during eleventh repeat.

**10233 kHz, 05-12, 0621 UTC**

354 (x3) 77629 (x2) (Rx2) - Cuts out during third repeat.

**4780 kHz, 18-12, 1108 UTC, i.p.**

928 928 928 68615 68615

928 928 928 68615 68615

928 928 928 68143 68143

928 928 928 68143 68143

928 928 928 68143 68143

928 928 928 68143 68143

928 9

333 20 46

333 20 46

333 20

333 20

33

333 46

111 999

752 10 = 4094 24081 85432 85740 84530 48450 35468 74241 08412 18098 = 752 10

111 000



## M08a - Dirección General de Inteligencia

8096 kHz, 14-12, 1400 UTC, CW, in progress

ATADD NARAN AGDNA RWDIA NURGG AGGTU NIUR? UTGID RDTDU RIIGU  
DGINU RWTUA IIWUI RGNDG AADIR DUAUN WTITN RUDGN INDIU RUAAN  
WUDGR IIAIW ATNWN ANGIN WDRUN TGDNR NINAT GNGAN UATIG RDWDU  
GGTNN ADANU WAWUU TRRII UUGTI AWWUA TSNNA GNRAR TIWWW IUAUG  
ANUNT DGD TT AARDI RIRAU DUNRA TRWNG WGNDT WIIWR IWWAN TWWNI  
DAGRG W?ASU WDUNA WGAGD GANWW GATNT DTWNW GRAGU NDUIA UDNGG  
DIRUD TDUNN AAIAN NAWGG GIIAU WUTAT IGDUI UIUII DIUWR NTIGA  
GNGAD INWIN AGUAI IWRWD TIDWD NRNWG WRUNI IIDAG ITIGR IRUAD  
RGIRI IADUU DGNNU UNANA RDNUN DUARN GWNRR UUAID IIAWN DNNUG  
WATGD TNIRD RWNWG NNRUR INANU ARNR UINID UDUTG ATGGR GIGTG  
RTWNN IAIRG DIWTT URITT TWIDT WTDWD RNINU GRGWI INDNN RNRTW  
+ + +

GNGNN GNGNN GNGNN GNGNN GNGNN = = =  
NRGWT UWUWD NNRGA IDARN NWAUU TGTGN AIGNT UAIRN NAGUT DGTWA  
NWAGU WRGAT DITDT GATTN NAUNA NRNTW NURNA RGITU NGTAW TRIGW  
TDGNG WUUGR NWWAW IRWIG WRNAD UDIIW NRRGG ADUWN TWIWR GTDTA  
IGDRG TAGDN UWDA NTRUA RWWID NTTN WTDWR DGRRN AGWGR IDDIU  
IDNTA UINTI UURAU AWRTR RNNAT UDRDR NGGNG IIUAW UDTUI RNIWD  
UIIUN WRINI INTUU GIRWI DRNNI TTGDN URRRR GRNDD IDTNA DIGUN  
SWUAG TNRNA IANGW AGDTD RRTGN DRUA? LAIR? UNTUA ADRWR RNGDU  
UIAUD ATRNR WNAWA SATAN RDRAA TTTNG ATNWU UDUIU UAGTW UGIGD  
??NDI DNUUT DUUTN UNGII NIRGD IRDUI UUUWU ADRUT DNRGT DINNT  
UNTIG IDDW TUAII DRAU GTGNI GNWTD TWDRR TIDTG WIRAT TRDDR  
NADTT AAIDG TDADG WNWUT RIDUR ITUTN GUUTT GING? ATDWG TUAWG  
GDARA IARDU DIUAU ARGNG UUAGD NIIDT NADUR DTAAG NANNG UWRIW  
ITGAR UUUAR WGTI WAATN TWUIU GGAUD DAUWU IWRUU NDAWD UIGID  
GRWTG ADRTW RNTGA GUAIW IGNWW TDDUN ARAWD UWNUN RRRGG TWWIN  
DGNID RWTGI WUDNA GUANW ATTUN RRWGU WAWII IIWUW ADNDA TGTGA  
+ + +

TWDWA TWDWA TWDWA TWDWA TWDWA = = =  
UUURR WDWAT GATUW IIWDG DDGWU NWWUG NDRUN GDWTI DDAIA RRNUI  
AUITR DNIRG ANDNI RTUIG UAWAG TRWWW RGRRD DIRWN NNIAG IGINA  
GNUWU AITGN ATIUG UIITU TTAUD DRWAW UUTAW TWNUD GWGAN RIUTN  
WGTD NIIDN IRTAR RGTRU AGNG IUUAI NTRNR URUUG AIIGN WRDDR  
NGDDI RTWTT RTIWR DADWR IUGWR NDDTI DITRA UUUWR NUTGW INUNA  
GIIUA RUWDG ATTNW RIWAW INWNI TNTIA WT??? ???NI NWUUT IRRTW  
ANNRN UANNW NGAUW GANNG RIIIA IIWGW GIUTD AGRRG TWRRR WTNWG  
NWIAR IGTDN AANIG GTGGU NRDGT RINWU UNADG AIIWW DUGWW GIATW  
ANNNN DWTUW AIAAW UNDDA WATWN RWRIN WINGN AARRN IWDI? GUG??  
?TPNU NWTUD WAWTR TWINT GGDWG UUUTN ANITR UATGU INDAN NAUWT  
IGIT? IDUGG GRNTN GUANA IWIUN IRINA ADWNN WRAAR DIUTA NANGT  
RWDWU DTGGT UTWIA TTTAD UWNDI IGRWD TATTA AITWI WTWNW IGTUW  
TRWND DNUNN DGTND AAWIR NGGNA IADAR WNUAW AIUAI DGDGW NTRAG  
AAUAR RGTRW UIIAG UUTRD NGTUT TNWRI TDWWG I?AWA AWIWW NINAI  
IDAGI ATNDR NDWTR GNDUI RWRDU AWIUU DTIUI DTTIN GIRRT WIARW  
+ + + SK

In progress      TRATI DAIAD UNUNN GDDGG TNWDA NWURU GTRAU  
 INWRW NRARA ANIUT ITGDA AIIDT RWRGG NRDID WIAWA GDUIW WRRN  
 GRIIT UIWRW NDTNR GWRRT ATGRD ANURT WATDA UDGRW ITTNU DNNTA  
 IIAGN NTNTR AWRDR NRWNA RIWUR ADUWD RAUGU NDTRW AGNUI NIUTW  
 WGIGN DNNUR UUARR GAIGU DTRRA NTRNN DAAUN WWNTG RAWWR NRAID  
 + + +

URNNN URNNN URNNN URNNN URNNN = = =  
 RUDIU IDTGT TDAIG IRGTT TTWIT URUAU TIWVG TIARA ARDTD NGAAA  
 RDRGI NGTTD NTDIN GDTGT GTGDW AUIAT DTGGN TTUAU DDRDD UDAWR  
 ITRUA ADGNU AIRAW GADTI NITDG RARII NRGAG RDIUG RGRUD IIDNG  
 IWTWT UARUD UINGG IRWGN WRGUI GTIWD WRRGN GGGRD DNUND DAGUI  
 TRUAW RGWUA TNGUN RGIWW RDITT UUAGT GUUAG WUUUA NGNNA AARNI  
 RTNRD GUGDN NRAWA NRDDD DINWN GRURU WDNUA IGDUN GTUDA IAWWI  
 IDWGG UDRDN TUNUI WNRAA WDTUD WRIGN WDDIR TAWUT DAAGG IUUNW  
 UDWUU NTRIG WTNIN WNUUR GWAUI GAIRA IUURD IUUGN GDGWR UTGAD  
 NTIAW GUNGI IGDUI RNGWG TDTNU TWDRI UWDGN UNGDI NUNGN UWUTU  
 TTUWN DADTG DARAD TWDRD TTNDN WRWTR UDWUG INWRI WDTIW DUGGG  
 AINNA IUAGU IGIIN TRWAD UAUDU IAIDI WATUU INRTN TNIDG TAUGI  
 AAWDD AUIDR WRRGN GGWDI RDGDT UDWAR RRNGD UWRWI TDATW RAUWR  
 ADWND GTGAN NRANG TUNRN UARDG DUWNN Awnuu UTDNI NGWUG UWTUU  
 GGUGU RDUIT GWNGI TWGWU WRARN NTDUI AIADI UWINU RDDWA GGDWU  
 WIDAI GAAII DIUAU WIRRN DDRAU WIIIR GTDIT NTNDW ARADU URUWR  
 + + +

WTRWA WTRWA WTRWA WTRWA WTRWA = = =  
 DTDRI GWNTW TNAGN UGAUG AUTGR GRITR RAUAU UATWR GNAAT GTINN  
 TIWTA IINAU RADIW WURTR NGINR WUWRD DGINN RGGDN URTTR GWWRU  
 GUTTA UGRAR WGWVN TUDDR ADRID ADRGU TNUIR UWINI UUGDI TWTWI  
 ANIGW WURUA UINUD NRDWG UNDWN UUDGU UIURG WTWDW WGDWR WIWGI  
 NGUII TGWDG RGGND TNINR AIAAW DUTTA DWAWT TAWRD WNIAA TGDAW  
 INGDG ANTIN DIIRU GWIWN TAGAD TNGUT NIIAR WNRTR GUWGD RDNUA  
 ANRAW IITGI AATTN IRNUN TNWUU DTUAI INNNU UTRTU RRWIR RGRDW  
 ITGTA RARAA IRUDN TUDUN TDWDT GITDD DRRDR UANRW IUWWW GAUNA  
 DWDRU GTUWI NRURR NIUDI IIDDD NUUWG DIWRR IDAUG NIRUG RDGAT  
 TRAGN DAIRR AIDGW NNWAA RAAUT RRTDT NDITD RTNGD RWRTG WDRUW  
 WIRUN TTWUU NWIDD DRTNA RIDGN GGATN TARAD UGDWU IRAAN WGGDU  
 DIAII GNWTT UAAGR NUNTD NRRUR NADGI GGDIT RRIGU UWGRA UITAA  
 RUUTG DAUGT UDG TG DNWIA AUGGA GRGRW DTIGW TADAA ANUTD IIUWU  
 UDUAR TTWAT GGUUA IRWUG AUGGU DNINU UGIAU DIGDN RDUAU AUTRI  
 GTAWR ADAGA TTWUA NGIID ADTIW UGIWT NRTDW WRWNN GDDAW NDIRU  
 + + + SK

RNARA GUUGA TIGNN    RNARA GUUGA TIGNN    RNARA GUUGA TIGNN

RNARA RNARA RNARA RNARA RNARA = = =  
 NNRRT GDDNG URUIG GTUGR ITTTT WIGWW WTRIU UIINT NINGI NDURD  
 RTRWW IITDG INWWU WDDTG WTWUA WDIUR ARWAU UWWWN AAWUA TRURU  
 NGUUT IRGGW UIIGT NNNAU GIGII TGWWG AITTW TWRUR DGAAA WTIAA  
 TWIDI IGGRW NGIWD GADGU UDGGI RUGGD RIUIG DNIDA WIGUA AGRTD  
 TUNAN TUIAT DRNUD TDGTI TIDRU TTANN RUDUN RIDUT DWTUT GNIDR  
 NNRGT RAADT UWNGG WWD TN AWUTW IRNAI GRAGW WGIRG IGURT NTAUN  
 ITGIW INIRN WRDAR WGRAW TNGDG WUUUU RGWTN WITNR NNGWW NIUUU  
 GIAGT ITATR RRNI WRNDN RGNTG TITTI RGRWI NNNIR DTDRD RTATD  
 NDNGN IIGIA GRRNI URRRT ITTAW IINTI IIDUW WWUWW RTWGR WGURG  
 AIWDR TTIDI GNTNR GDUND IITAW UGGWT DGAAA RUAGW DTIRU DNURR  
 INWUT NDWGW UINNN GNNIT ITWWT RTURR IDIUU NDTTW UINTA GIIWG  
 TNWIG UDWGG TNIRD TGGNR AGRUI AWNGA AAIGR WWRUI AIGAN TAAUI  
 TTNDU AATIT WTGIR UAANU WIGWA DGTRG IUNTD DUIAA URWRU NWIDG  
 IGRNU GNRNA NWR TN IITTI ITGIW GNUGT TAUGD DNTGU WUINI GIIDN  
 TDUGU NGTTG ITUIT WAGRD IAGRI NDTAW TDURA NDTGG IUTUD RNTGN  
 + + +

GUUGA GUUGA GUUGA GUUGA GUUGA = = =  
 IRNDW WRWNN TWUUR NTGTT DWRTR AANRN UIWWR GGTUI DRRTT NGDGW  
 TRUDR TWIUW RUNRI TWDDU WIDID TAAIT WTGUR GWANA TUDUR RWTNA  
 UIINU UIIAA IWIAW DNDNI WURNW WNRNT UAWGG TUUWN TRDDT UNINN  
 NIIRU NUDDW NNWAA WDNGI UITIA ANDIA GIANW WNTGN NGADU ADRRU  
 RRGWR WNIAR RTGNI WDDTT GNRNI NUTNI RWWII IAGAT ANWWD IWRAN  
 WGTGW ITAWT TINIT WIAIT TNGWA GRIRW UGMDG DAIGG TADAG WTTRI  
 UIARD UANWT TRNGA AAIRA WUGRN WNGAN TMNTT WUTTI WMUIU ANATN  
 NRNTW GDUTI WDIGG WTIUW RTAND ANGTN GIUGU IGNAW DGUGW RNDII  
 UARAD AAGIU IWTWA UTWWD ATRTA RNRGG RNNWG TUDWT WNDTT UANAT  
 DUWRR NTTWI UNRUD UGIUG RUAGW TGDIG TAGDT DDAIN DITIU AWURW  
 UWGRI GUWUD ITRTA RNIRW TWUGN NDUDR IRANW DIGAN GARDG AWNUT  
 DWIRI NTARA WINNN UIRID TAWUG UTTDT RUGRG UAGRT DTUDW TDNWG  
 AIDGU AWGDW TRUTU RRIDA TDARA DIAAG AGRAT NWGUI GWWWR AARNW  
 DUAWW UAWWD INDWN TDUUD NNDUR UGUUN DDA TD AGRTI TARRG DGGUW  
 TADAU UURWW DAAWU WRAAU DAIDT GATRT RAIIT NUNUU ANIUR GURUA  
 + + +

TIGNN TIGNN TIGNN TIGNN TIGNN = = =  
 RWGNI IUDAT TNDUG NDTAA NINTI NWNIT GTIRD NNUN IGUGI UUWTI  
 TUDGI WNRTW WTWWR NNDWR DIDTG IANUA DNWTU RANTG GNTGW NTUNT  
 IANRU UTIUW NRDGA NITGW TRNWT WGUUN GWWDA WUDIA INGII UDART  
 GNUAG IUAAD DTNRG NTWGG UURIR UDNTR RGGIG GDWWI TUNDU WIAID  
 TAUUD AWUWT URRAR TDGAG WTAGN ITRRA WTATW UWNAG TTIRT UIWAG  
 DDGWU WRRGW RGURA RGIGW NWTGG GARDU TRGDT ADIUU TUWAU UAGRR  
 DDUIR RWTIT TRNRW ARTGD WUWII IWRRI UGTWG RNTTR DRRAD WGIN  
 GIGID NDTGW TGANU RGRIT ITANA TATDD NWINN TTGTT RRNNR NRNWI  
 AGURI NNUTA RUAUW NGTIT ANGND UWDGA WGNIA NIRGG GRURR TNARD  
 GWWDI AUDDG WNINW TTAAR AURWA UUTDR GWAUT DURTU GGUIT TGDRU  
 OUWRI GGGIA GIIND TRWTI TDWAU ADNRA IDWD TNNND UWIRW GRTWU  
 INIRU UUTND DTURD IDADR GDNNG IDTW TRIIA TUDIA GWGDG TUTWW  
 IRUTA IGUGA RGUIU WARUN WUAGI WGARD GNATT UARTW DNTRU TIUNN  
 IDNNG AGGNA GTDIT GUNRG TNNAI TRNNW UGRRD GTWTG GDGRT ANUGR  
 GRIDN RWNAA MATAN ARTRA WWURW TIDDW IRWTU DGD TT WAADW NADTW  
 + + + SK

DRAWA UGIGA WNNNN

DRAWA DRAWA DRAWA DRAWA DRAWA = = =

AGDAU DTRGU GAUGA RIRWI MUIIW RIIII NUUGW WUWUG WDNTW UWWDR  
 WNIAN DUDRA TDIWG RNDIN GIUTD IIRDT RRDDD RGRDN TDDUR RTRDI  
 NGITD UTGWT WTNWV RUOTA AMGAA GIRUV UUVNN TWGDA GNVWG WTARI  
 DWTDD AATRA RTWRA URIIA IGRRW ADDAA RIRIR TTRND ITNGG INNIA  
 DTTGN IDITG RUGGI TUNUR RRINI TNNIR NWGUU UNNDD UNRUN DIWNI  
 UNTUA UGNUT UATNG WTDUD RTRWM IWUIT NARTI AARDI NTIAR TADDW  
 TDANR DTGRT NGNDU NTUWI WWDRT WNVIN DIDDT IAGDA IGWWI GTDTG  
 GRDIT UTRRA TUNTA NDUAW IINID RDTIU WIARN ITDTN WRGRN INUAW  
 UTNDR ANTRW GAAAT DAIAD ARATU AGAIT DDNGD GTDDG WRNAG TGTWN  
 TRIRG UTIAD DIUDN GIRAD UAUDI TNTRD DIUTA DGAWT UUVDD AIRGT  
 IDGMA ANURT NVNIT DTAAG UGDWU UNIWA DRDGT RTGTG TARNG GGWTR  
 WAITA RNAID WNADA RGDNU ITRMG TATWU WIRNI WNIDG UNTAU URNWA  
 NTGAW AVNRR GIRNR TRNRI RUDGI WTTNI UTGDT RRAIA UTWTA DAAIU  
 WRNIU ATTAR GDIRR IUGTA WVNIG UUDGG ATGAN UDIIR WUDTD UIDDU  
 UNAGI ADTAD RDDWU TDAAA ARWRD DAAWU RAIUG RANGW RDUND TGAUG  
 + + +

UGIGA UGIGA UGIGA UGIGA UGIGA = = =

DAGNW TUIND TAUDR TIATI UINDG GNDRA NAUIT ANURI GAARI UTUUG  
 UURUD RRRDD DNTDI RTIGN DGARW TDTN UGRIU AWWDG TAGIU ARNU  
 NAIIN IDUNI TRNNR UADGT DDNRG UUAUD DIGUA UNINA RRNUR WUADW  
 NIWTG DDWNW GGUTI AWARG UDWRT NGADR GNUWT TATIW RDNNW AGTTN  
 DRNTU DTDUG RINDN IWRAD DITDR RATNG RWRU RWAAT ANDND DDWIU  
 GNGDI TTRWG ITUNI WADIU ATARA GATRR AIDTT NNWUR AWIRD UGNIU  
 UWDNT IAWDD RAIDA GIWTN DDNUW UAITR ATUUN GUNRA NAATG TNDWT  
 ARDWR DNART RATWD DGRG NNGAU RDIUD ANIRW TAUUG GUNIT NDTWU  
 NIDAD RNAGI IUTAN DUNIT UWDAD NAUGD ATINN ATWTT AAWGW GITIG  
 RTTRI TTIGD WAGUR DRWNG ATUUV TWAUD UGUWW GTRWD TWTRI NAANA  
 DAGNA TNAUA NDIUI TTGUU TTUNW ITNAU NTGNI RAIGR TGATR NGUTD  
 IRTTN IUWDN WTWU DADUA AGTWD IATUA URUIA ARNU GIANT IRDGR  
 IRWUD ADMUG ATDNG RGUNN IWDUU RRRDA WTWGR UNWTT NRTRR DRRDW  
 IGAGI TIARR DAAUD DIRID ARRGV NWATD WIAAR DGADD DWDDR GADRA  
 RNUIT UNNNW NRNGD DIGUU TRWWW GDGAD IRIII NTDDT GWIWW IRTUA  
 + + +

WNNNN WNNNN WNNNN WNNNN WNNNN = = =

RRIDA RGUNR NRWWD GDIDT TAGGG TDGIA UIGTD RRUUA GGIUG IGWDA  
 TRAIN RAURU UANIN WRAAT RRUAG IGAAW DWDWN TGUTU DDDNG NINTI  
 RATDW IINRR RURTA DAIDN ATUND RGADD ADWRN NNGWU UWWRD WATIG  
 TRUII AURUT GRRWR ITWGR NGUDW AUTGI DUDTU RIDIT TUTIN ANWTW  
 UAUID DWNRD IDURA NIWGU GGTWA UTNDI GRTNR ARRDN GNIWT GWUIA  
 TWTIR RGIUA RIUDN TTRNA AWGDI RTIUT GTTII NNRN IUWNN TNUUD  
 GTURG ADATN INAGR GGART WRDIT WNDN IAGRU NRIGI GAADI UAIUU  
 INRWD TURTT DNWIN ITIDW DGRIG GRARI NNGIN AGNDI WIDDI ANADA  
 AWGNA WIWGU TTANT UGRWT DAUWA NIWWI TINNG GNNNI GTTWU IWTRA  
 ATNNW NDWNT RGDW UAAWU IUWTT WRTNN AIRRT RIRRT RADTN WTDDU  
 UUAND GNARW DUGDW NUDGA WADUW WIWVG TRRDI GITWG ATWDU NDRTU  
 NWDUW DDRIG RADNI RDRAW GUTWD UNTIT GNNDW WTIGT RAGGN UGGWD  
 RGUAN TDRDG TIIND ITIDT UNNAR NWDIA GTDAR GTTTU TUWIG TINTR  
 TRUDI UURRA TNNGD DAWAG NAIRT AURWA NUAUR DNUUD ADWWT DURGA  
 DRDDN NNNTN WAGUR GRGTI RRRIA WTWUT NIGTA DTTUT ITGWD GANUA  
 + + + SK

**9176/7931/6904 kHz, 04-12, 1700/1720/1740 UTC**

257 257 257 1 6344 107 6344 107

13357 60829 59716 53412 74488 45526 34232 56511 78699 77980  
65833 25807 31061 97428 81373 74069 53739 54422 62654 78959  
48176 24757 12380 39917 99001 73470 46878 70897 90615 35680  
63222 02739 69151 72425 55354 89135 14283 97397 31941 31577  
22552 22252 98396 29915 61580 76038 36570 55046 15892 73130  
60981 21280 29987 89952 85360 65083 54989 98585 92682 02067  
01659 09870 28967 29401 86616 09194 36997 89866 96183 83743  
24122 22203 58293 23297 17162 43718 14629 17778 98303 88713  
25040 73050 91849 66820 08735 44761 01241 61829 87792 78332  
00588 50359 79289 36960 31453 08371 66030 85717 49154 31183  
09862 68740 19129 04686 91387 45523 38690 000 000

**9176/7931/6904 kHz, 06-12, 1700/1720/1740 UTC**

257 257 257 1 4166 111 4166 111

88817 79365 82903 61495 29747 54497 27780 80890 66826 17203  
95757 58293 05067 62140 03352 04486 56927 38758 38032 29522  
68168 46925 15553 41150 91029 07847 82652 84237 14167 03000  
21619 34783 27966 73082 01067 74792 28001 92341 76234 75900  
21368 56408 78231 19412 55143 45802 91081 36832 81020 76008  
67944 22400 36835 51736 13261 68989 14130 13519 73947 92673  
41790 06805 21608 34451 86016 53065 91356 79866 41113 46955  
01399 37255 62384 03896 80686 48144 32016 33508 98558 14665  
91563 26625 83314 02883 90295 76173 88579 67754 84344 29436  
28434 97275 46017 61090 84327 48495 23369 56660 07759 28324  
37496 60881 37442 37693 55322 67737 23847 61300 35075 64996  
35667 000 000

**5312/4512/4012 kHz, 06-12, 2200/2220/2240 UTC**

350 350 350 1 6986 95 6986 95

97199 52846 84381 45153 05351 80742 62615 42065 19837 71959  
32565 17214 51558 37125 95180 19855 27113 32839 43265 66819  
48507 33187 10655 50241 54694 66700 67162 84311 19634 60922  
68588 91219 82160 03343 87409 57861 22 91 44685 81199 10040  
14590 03083 26168 90565 12398 61110 83067 72139 34609 47119  
43830 51058 89994 53312 14317 69309 36733 37906 08099 52663  
19433 18278 88035 47084 46558 64329 68689 96470 60893 59483  
95664 39538 98476 15351 47765 84906 85965 32731 97023 60587  
74534 67360 86481 61115 57037 30988 16267 25858 58907 10754  
65706 32765 69729 51681 66889 000 000

**7741/6841/5741 kHz, 07-12/09-12, 1310/1330/1350 UTC**

787 787 787 1 7657 157 7657 157

91792 79203 12797 10433 48589 71112 07596 60923 09981 82819  
28336 05883 31815 56725 52111 05817 67716 04628 39887 28649  
42024 35565 33466 73388 44220 83177 59860 15278 77360 93625  
48723 75506 02364 24079 39083 55067 61480 85525 79540 71911  
65560 47430 36321 01806 28740 37768 20209 16649 90358 99265  
65983 15962 57266 82704 45885 51726 83814 88382 00746 69778  
74073 78523 12992 07305 61665 92420 65251 79132 65923 50143  
20345 49528 96835 84720 02354 83751 92009 93470 53840 42664  
72859 45667 99328 26466 05086 34673 35218 24044 08472 22502  
54036 99608 26049 25855 93592 84528 48119 69096 12508 04757  
45089 13624 26650 02012 34681 78724 90901 25110 80051 47259  
05795 76554 32703 78154 40157 41715 36371 21072 57658 17770  
60804 23221 71651 87027 39460 29201 21374 43257 26345 45032  
35778 57352 40962 29397 43807 99690 69910 17217 32737 95685

89962 54040 45030 07040 77617 89596 19646 46909 68222 65571  
65731 61649 90403 55117 92603 16482 31390 000 000

**5784/7584/9184 kHz, 09-12, 0600/0620/0640 UTC**

751 751 751 1 6986 95 6986 95  
97199 52846 84381 45153 05351 80742 62615 42065 19837 71959  
32565 17214 51558 37125 95180 19855 27113 32839 43265 66819  
48507 33187 10655 50241 54694 66700 67162 84311 19634 60922  
68588 91219 82160 03343 87409 57861 22091 44685 81199 10040  
14590 03083 26168 90565 12398 61110 83067 72139 34609 47119  
43830 51058 89994 53312 14317 69809 36733 37906 08099 52663  
19433 18278 88035 47084 46558 64329 68689 96470 60893 95664  
39538 98476 15351 47765 84906 85965 32731 97023 60587 74534  
67360 86481 61115 57037 30988 16267 25858 58907 10754 65706  
32765 69729 51681 66889 000 000

**13371/11571/10271 kHz, 11-12/13-12, 1400/1420/1440 UTC**

352 352 352 1 4241 87 4241 87  
30664 57793 68268 20935 48653 67354 17818 25516 56882 92175  
15546 76117 64669 83823 47865 99894 14937 81667 69694 72823  
99513 80934 82067 97653 34263 87637 69535 35746 05793 84028  
36711 36312 67754 06056 29954 26788 85502 18999 68612 95491  
39140 72440 89628 97414 23786 06262 79451 53718 51043 85982  
92148 97472 39653 06181 64609 61392 14828 59563 22134 92131  
77981 53589 09250 94281 02162 19842 00807 53257 46907 59178  
50112 23390 23902 36163 26253 50530 59317 92811 06140 14199  
88134 01699 03518 83091 34102 95660 15013 000 000

**11435/10598/9237 kHz, 11-12, 1910/1930/1950 UTC**

938 938 938 1 6637 79 6637 79  
67116 56767 75974 66856 62396 97043 92350 14316 81913 63132  
64387 55594 31296 81785 79441 94471 73172 05769 95450 52324  
37368 89910 90690 33213 40344 87337 17983 82370 16497 36088  
76003 58440 03899 42549 21071 12737 92492 39350 48000 65902  
84739 55798 48541 17683 15507 74651 57292 30412 14366 28377  
67749 67463 77439 90699 11488 55370 08641 48638 93768 65875  
23965 48812 91561 72564 54005 50365 42117 99931 76285 52751  
37480 76479 16721 28150 85651 68649 28318 57630 18462 000 000

**9176/7931/6904 kHz, 13-12, 1800/1820/1840 UTC**

257 257 257 1 6638 136 6638 136  
65315 72319 83013 24948 91905 08497 10815 51029 17090 93737  
34941 91413 31565 30593 19587 36817 45054 79489 39162 61668  
67985 92280 46332 26059 41100 90973 37247 32723 01542 73076  
28451 36609 71549 58096 39771 49818 61237 16537 86338 12787  
36112 47008 28173 17839 37418 18517 14140 53877 85429 55983  
25164 14522 84938 25813 52954 97585 96325 53116 85160 20392  
56533 86495 64133 32559 81653 56556 11804 04904 15970 24993  
03247 01892 45748 02816 18942 34862 47661 97784 46380 14090  
01566 65012 33662 67033 22449 87992 47175 25087 76792 99469  
75191 59135 10364 20041 16342 13548 14929 37245 15965 51842  
06677 98425 23192 53851 85114 44475 60516 64918 72632 82338  
93624 79503 78717 10025 27801 49690 86809 37996 53439 96111  
60799 49384 50651 06524 28558 40664 33535 79586 54224 93178  
47315 07325 90726 24473 65035 60397 000 000

**14769/16269/18169 kHz, 14-12/17-12, 1010/1030/1050 UTC**

721 721 721 1 300 121 300 121  
86387 74339 27051 53136 36788 18839 62236 92025 17052 09521  
17078 76645 00891 96027 43292 79118 91945 40324 21120 64203  
81543 51854 32933 00492 88141 32610 34903 29160 09080 68534  
27513 76467 65327 45973 56281 22905 26716 70090 73553 78063  
80235 66036 23084 37603 84695 69689 72809 90252 55491 73660  
95777 21466 52031 79753 04943 25135 51633 75873 88328 34815  
55673 09375 94830 87692 02053 44020 34601 32846 46316 75795  
34741 29411 72171 47968 60665 74351 18762 91570 07318 49365  
43310 71322 64910 66459 14500 59714 35698 46964 30027 45477  
17699 43361 41079 51060 18886 98069 81367 48500 77595 94152  
89152 66947 87315 51362 83250 89673 43829 76212 05652 07547  
84597 23590 62865 69488 19129 51152 92369 90755 95352 42216  
91568 000 000

**11435/10598/9237 kHz, 18-12, 1910/1930/1950 UTC**

938 938 938 1 7916 86 7916 86  
88509 55354 74231 65018 80781 77219 99269 90125 24796 53356  
63036 51628 16878 13073 06526 94956 75240 75240 79340 93623  
97169 85179 63219 28119 51235 99795 66747 33899 11273 17301  
70612 58947 28518 46282 49774 59909 49016 12448 34894 33778  
60291 20172 05648 89271 11820 20286 33524 66736 49729 06951  
18371 43039 43710 81525 61516 09000 78818 93241 13822 28954  
71117 89302 61994 10691 80370 58420 46213 45611 12480 50611  
50248 08151 68080 06075 79596 31212 02252 72793 50539 55576  
01141 11942 64560 95598 35469 63864 000 000

**8047/6802/5788 kHz, 20-12, 1900/1920/1940 UTC**

463 463 463 1 4176 149 4176 149  
55423 28700 69837 46147 59297 28226 99391 10100 28240 06426  
95116 56373 46460 13196 35789 11428 76713 92875 15811 99207  
64024 81173 67160 67692 83904 35286 08938 85305 01291 40413  
64506 54406 01472 72112 86056 04971 82431 27178 43401 03113  
61435 79409 81539 40077 98133 56657 92372 52547 51083 23999  
77044 74318 26555 90403 69101 73398 05022 36920 02495 44352  
55361 63332 84518 88801 74961 84430 51117 05369 01229 10102  
18931 54870 16874 96167 68520 77786 64273 29107 83176 36935  
36047 80861 10215 50916 20225 17864 45739 33623 61061 48453  
16040 29412 12931 97412 13354 89006 32454 01599 93373 78536  
13491 46273 99591 99005 91613 80301 47475 09401 55968 14609  
62416 73876 16336 55265 51379 51979 74093 96961 72370 51305  
56565 12702 28729 92502 54742 09641 52338 95689 66581 03527  
84827 52816 09515 55759 85063 12380 46705 58112 79839 91449  
50248 90208 03391 34718 49383 05232 61330 19063 07941 000 000

**5312/4512/4012 kHz, 20-12, 2200/2220/2240 UTC**

350 350 350 1 3148 47 3148 47  
37109 34841 39709 15450 56194 13838 32734 73739 07456 81771  
73413 76331 74983 46222 92779 12765 79822 76592 06771 21959  
90800 62782 05523 03389 45672 87905 63810 34617 51561 57481  
80102 61477 42214 70729 45348 10020 69451 71091 54966 18693  
56441 89712 44181 51648 30951 27732 87815 000 000

**7741/6841/5741 kHz, 21-12/23-12, 1310/1330/1350 UTC**

787 787 787 1 6089 113 6089 113  
10141 07377 20220 91200 02952 27818 89602 83634 98251 01951  
12560 78605 25977 60679 59759 67728 79438 70192 34575 19614  
88722 80527 85407 42415 32464 13838 26573 20346 55463 92799  
13998 18025 98481 35564 95470 52522 96589 73892 82277 08956  
76461 18489 91585 09658 85379 93200 86813 86556 04504 74829  
11161 35734 31949 39266 67954 39540 19660 41547 80337 58398  
45763 51978 23870 43383 25220 61062 30404 74175 95015 05035  
16028 42088 48531 07859 22193 57276 23567 57571 79205 45579  
70094 46975 75827 84080 43378 03429 59502 47239 41697 96733  
33983 13150 89723 29478 76280 36991 67556 94248 57647 61586  
67553 87634 53999 12949 60913 13714 32372 97603 29263 52457  
93629 10013 62133 000 000

**13371/11571/10271 kHz, 25-12/27-12, 1400/1420/1440 UTC**

352 352 352 1 1385 133 1385 133  
95213 76080 11054 80941 20016 65006 92115 73343 45194 75870  
80808 58461 68449 59319 67517 58603 20683 20933 28304 71884  
98353 12538 00315 45945 77590 56052 00183 04311 19004 72430  
46652 44038 41845 35478 03316 53702 90696 14924 34572 21296  
65434 22914 60420 71653 11342 58831 81481 16694 15005 31943  
64723 61164 75933 29639 12517 13680 24549 80307 88969 61529  
91374 92286 57682 85834 62730 79183 83777 35399 61680 90753  
28017 83007 90857 84353 68970 77983 95478 72397 41826 43082  
56598 13400 78275 77555 31691 88636 49842 89858 41633 27992  
63969 35823 23974 81478 84884 70231 91350 71061 00282 27131  
92534 07839 36577 41168 24131 72032 96279 53650 04849 85210  
85479 17871 75715 79653 91896 35695 83121 52976 96408 29742  
43614 42854 03437 47743 98139 98447 32553 02333 79316 02569  
50766 04689 56809 000 000

**8047/6802/5788 kHz, 27-12, 1900/1920/1940 UTC**

463 463 463 1 4866 138 4866 138  
93859 32319 25357 00095 51307 76090 32774 37569 01880 38770  
20535 85594 29147 33726 73899 83951 41133 61972 94253 69419  
95649 46998 09597 35001 49412 18182 39503 04232 32955 06480  
29856 46258 40032 00445 91387 85399 85879 64837 18263 77050  
76111 43903 75106 19265 73286 06165 89702 21125 20411 40245  
85166 30916 30445 11089 03615 71656 04378 81325 34671 40474  
36832 75079 39000 69400 34578 40029 66800 86107 60582 44467  
81031 17346 12062 00860 49507 58105 16704 29559 95649 29151  
14994 91273 68193 68605 98895 96854 48790 55346 13791 26954  
37040 73032 50732 13354 42363 62384 25373 20322 85150 17055  
51872 01027 33732 72312 72746 40000 28763 16255 10687 88620  
45396 63765 68260 99095 53063 18519 14976 87482 59492 56304  
17274 70579 64338 98558 13709 89357 51760 38541 68810 52733  
81844 58770 67292 39663 79632 68588 53943 30351  
000 000

**7741/6841/5741 kHz, 28-12/30-12, 1310/1330/1350 UTC**

787 787 787 1 1436 121 1436 121  
68918 50687 15133 61765 80444 77658 49493 01225 97225 33087  
95738 03535 96094 77011 13084 99364 86106 09876 84582 59581  
23002 82445 82703 11694 00466 20099 10217 58106 35803 13307  
50954 56240 09737 80182 89210 87504 01723 71103 72701 91313  
34774 49739 81267 27316 29250 88327 82445 83489 36478 27476  
24831 89699 09927 97263 48430 29191 22791 95158 67784 40874  
64004 11532 38401 32777 06356 54520 49415 77708 77235 42888  
57694 30320 15929 99251 79585 47873 19831 63648 20598 52349  
79002 48856 14683 01248 47529 45094 33313 60103 16413 01594



62407 31291 86570 56058 36775 52717 40842 02746 15753 21538  
72318 20898 45529 68521 23048 32558 93904 2236? 72438 66523  
56193 26650 46180 29244 60370 09740 48396 06770 92774 26460  
19688 000 000

**14377/13461/12114 kHz, 28-12, 1700/1720/1740 UTC**

317 317 317 1 4305 101 4305 101  
66754 93805 11015 43087 60349 65146 89817 38221 83292 49275  
10360 37965 02798 65960 89042 75107 00216 14797 58972 84027  
83544 15009 15501 03153 20806 19527 17471 12996 57603 80363  
67484 53157 63036 78162 36526 71573 25431 00106 72363 15993  
93820 59520 56911 76517 51383 13669 04060 89271 54877 91671  
16545 33845 96934 85415 84073 16696 91085 50821 20181 88473  
34668 21239 69670 66959 77794 3378E 15567 65407 69300 69418  
94640 05270 30484 11663 06871 33054 63813 78573 29023 15762  
78839 47958 45124 11547 39208 63608 07822 74481 35298 23735  
45349 25531 72139 13892 45605 77153 10853 85573 92455 73217  
40170 000 000

**M14**

**18041 kHz, 01-12, 0500 UTC**

952 603 603 55 55 = =  
69037 15288 32729 38118 17123 03222 68046 83472 40368 65011  
20731 45148 37970 88902 68306 67287 88236 29389 73068 85463  
64517 05649 67991 24968 70386 96164 23588 03876 98737 52977  
12925 26841 44497 83999 16955 80550 25642 76844 37387 66771  
92199 62583 09243 33940 27929 42893 30328 93220 74359 29008  
49769 29968 31884 65939 82829  
= = 603 603 55 55 00000

**18041 kHz, 04-12, 0500 UTC**

952 174 174 60 60 = =  
39906 86613 90682 16543 62685 49034 40999 37219 01691 72864  
57582 74384 94213 46199 64085 37194 15494 67573 39878 30968  
09498 18614 77048 10951 01437 45377 80862 53344 96714 71824  
30864 29572 95981 93855 44808 94700 80991 27351 12619 25960  
50951 08653 92546 72295 14043 70926 86727 00897 63807 44840  
38315 51635 95079 56993 17391 35345 39167 24541 87829 36902  
= = 174 174 60 60 00000

**18041 kHz, 05-12, 0500 UTC**

952 803 803 50 50 = =  
78412 11285 49808 41374 59699 07535 21433 57932 67373 33888  
10993 84053 36355 04575 62755 81669 54312 22949 93564 10381  
71078 72330 65793 85921 59727 55141 51782 96141 65254 30035  
88229 66703 01781 41698 43961 93664 84239 23022 49514 85149  
05473 74313 61972 79284 94666 09257 63494 30597 18081 02291  
= = 803 803 50 50 00000

**18041 kHz, 08-12, 0500 UTC**

952 314 314 60 60 = =  
29390 68317 28854 71790 66568 60103 46831 04854 87539 41955  
34737 05879 41438 61874 19175 15855 48138 68812 67828 62832  
70997 70161 45661 86637 59237 37386 11831 67222 08381 01993  
68272 11296 12205 77531 91876 76954 04626 20182 39155 40985  
14968 84057 25523 38534 85045 15158 29795 29821 21503 49412  
20169 73597 81842 68055 46452 12029 17582 07170 56500 96683  
= = 314 314 60 60 00000

**18041 kHz, 11-12, 0500 UTC**

952 678 678 50 50 = =  
04441 05581 79031 36146 51513 04795 15758 30009 06644 82860  
84958 03606 80088 14798 55104 41949 85162 83425 96867 55497  
34688 30485 81963 93143 99660 18644 37178 31071 47303 90530  
83248 85933 00701 35673 13303 25785 87211 01285 90532 77203  
67829 07836 69793 52043 64691 55340 72820 42254 28917 31315  
= = 678 678 50 50 0000

**18041 kHz, 13-12, 0500 UTC**

952 670 670 55 55 = =  
11369 40845 40263 25788 61832 40324 30029 19179 65162 06715  
50016 56075 18342 35539 05943 80517 94390 29472 74047 63208  
67580 43156 18930 58867 46954 69527 18906 02381 97821 66072  
91079 02583 55944 44477 33304 20882 64070 72079 25225 45221  
85533 58590 55590 95402 74581 26487 68027 20679 08132 88556  
42451 75588 08641 80986 54314  
= = 670 670 55 55 (no zero's at the end)

**18041 kHz, 15-12, 0500 UTC**

952 176 176 50 50 = =  
19164 40867 05712 30273 73134 04643 57790 74529 03105 44730  
43283 96710 34754 42523 09175 06805 68381 26345 06240 79461  
56119 26278 06935 62192 36676 16589 61274 73509 19769 06687  
95387 14440 37466 66560 82432 41862 04608 97618 40564 77093  
55486 84883 37641 48169 48998 91465 07354 89247 59432 81262  
= = 176 176 50 50 00000

**18041 kHz, 19-12, 0500 UTC**

952 713 713 60 60 = =  
70739 08126 46732 48063 70848 63606 37388 60478 92961 96122  
18594 04068 20882 96436 77925 60539 57269 23432 12711 06051  
05547 82381 65101 05344 34320 15806 20142 20821 16511 67874  
71507 59998 60378 08277 84610 09777 74625 26503 11756 30969  
34777 32468 39032 11517 43008 24436 69632 01832 98625 10145  
73286 80711 21376 92109 56492 25256 94774 53018 33240 83220  
= = 713 713 60 60 00000

**18041 kHz, 20-12, 0500 UTC**

952 608 608 50 50 = =  
30441 16544 45740 14550 44840 12983 89508 38028 69310 90153  
46638 65907 49063 36691 48177 67759 78611 33436 14706 03390  
16533 46002 12944 74641 88220 57293 12072 75724 81315 63394  
56938 28033 63493 81277 00358 10356 77312 41770 61670 20447  
91789 66204 03765 28874 15409 50202 45740 11090 00242 03024  
= = 608 608 50 50 00000

**18041 kHz, 21-12, 0500 UTC**

952 374 374 60 60 = =  
28828 19261 82371 33519 96655 21437 76289 57648 86784 03374  
61887 62387 80055 46807 10421 91870 11473 73397 38469 45389  
34395 09496 50516 83998 22344 38895 21456 36839 69338 48258  
42491 24347 74697 94909 78836 40547 23267 51681 12687 61615  
96979 08488 69865 72901 78709 35338 53612 31591 34345 36453  
33930 07206 84021 50183 65937 67115 98456 74425 35667 99265  
= = 374 374 60 60 00000

**18041 kHz, 29-12, 0500 UTC**

952 867 867 50 50 = =

26323 32636 96241 50378 06105 57554 41790 37484 11402 97624  
33811 74599 75297 74986 41577 75932 83052 62106 33259 86514  
55714 18591 53731 39969 82653 72620 25515 31984 32718 95456  
15058 20455 98683 42456 31530 88222 54691 59015 50331 29349  
31370 74903 78487 44856 38308 35409 04133 58890 88588 42738  
= = 867 867 50 50 00000

---

**5430 kHz, 02-12, 0800 UTC. Sent only 17 groups.**

171 775 775 32 32

55676 43289 91825 99115 77722 54823 92834 00732 84567 00168

89255 07171 39178 42435 89712 36897 29573

775 775 32 32 00000

**5240 kHz, 03-12, 2300 UTC / 5825 kHz, 04-12, 0000 UTC**

376 349 349 56 56

45644 45646 81348 44564 24779 45456 32468 45313 15879 24566

56631 98763 65460 51212 53489 43179 55678 89731 38979 32465

64878 67894 32156 56489 56489 89789 56313 64987 54897 31189

56478 56789 32188 32478 21568 24878 32485 24589 32489 23458

89731 23132 32456 54231 21553 84763 32488 02121 03213 21022

31034 56450 31545 02458 81230 67312

349 349 56 56 0000

**5430 kHz, 09-12, 0800 UTC**

171 171 171 00000

**5560 kHz, 09-12, 0900 UTC. A message instead of the expected repeat of the null message sent at 0800 UTC.****5430 kHz, 16-12, 0800 UTC / 5560 kHz, 16-12, 0900 UTC**

171 354 354 42 42

46626 42621 42179 59175 62161 27954 62746 25627 62642 31975

41945 95432 51735 39752 09079 09750 29752 56752 19429 95797

17597 95795 97594 56346 12745 79576 56459 79456 57945 41626

52795 95175 97597 56564 57959 71790 19041 63426 14767 45567

46521 79541

354 354 42 42 00000

**5240 kHz, 10-12, 2300 UTC / 5825 kHz, 11-12, 0000 UTC**

376 707 707 42 42

89734 67523 56423 45678 45398 87943 76834 67843 67854 89056

78654 89543 87645 98007 00578 56743 09854 67230 63028 56489

42367 98054 34578 32189 01017 65732 98023 56723 78923 01234

54677 78923 56743 75623 07089 45467 01925 01023 56723 92834

65723 76534

707 707 42 42 00000

**4761 kHz, 13-12, 1920 UTC**

748 456 456 25 25

34253 75648 07912 73546 25367 93521 64537 34218 93521 09362

92631 47864 35263 81527 93627 08734 26351 53421 04625 99465

74653 53421 84635 03564 73524

456 456 25 25 00000

**5430 kHz, 23-12, 0800 UTC / 5560 kHz, 23-12, 0900 UTC**

**5429 kHz, 30-12, 0800 UTC / 5560 kHz, 30-12, 0900 UTC**

171 263 263 47 47 = =

24315 75648 94857 26353 17254 73673 18291 29364 18653 29374

74653 25318 02834 74653 18524 94736 24351 72653 91634 27635

53652 73654 16253 28361 91872 83652 16243 64783 92763 16253

25143 73654 28763 92763 53426 93827 16425 38271 93874 28716

16253 27653 18776 82763 16425 63524 17652

= = 263 263 47 47 00000

**5240 kHz, 24-12, 2300 UTC / 5825 kHz, 25-12, 0000 UTC**

**4240 kHz, 31-12, 2300 UTC / 5825 kHz, 01-01, 0000 UTC**

376 241 241 40 40 = =

34526 36452 73654 83654 92635 32413 26478 15236 83764 91724

17236 92783 47536 29167 81724 73564 17625 36452 17625 83746

91726 63745 28651 16235 92673 46372 18726 36452 17625 38763

35462 78364 18725 93748 17625 36213 27653 87465 39826 18726

= = 241 241 40 40 00000

**4640 kHz, 26-12, 1820 UTC**

186 273 273 55 55 = =

74653 26354 93746 27364 18263 72635 28716 81235 73654 87534

16324 32543 17365 56374 82634 08743 17425 93764 37215 72543

53645 27321 87364 25341 89765 74653 27345 46372 10753 36572

17145 28364 37281 73764 82736 73652 18972 37485 83674 18902

36452 63542 17453 63463 72831 36425 16723 97463 18234 92764

73865 27354 52132 48736 91023

= = 273 273 55 55 00000

**4761 kHz, 27-12, 1920 UTC**

748 273 273 55 55 = =

74653 26354 93746 27364 18263 72635 28716 81235 73654 87534

16324 32543 17365 56374 82634 08743 17425 93764 37215 72543

53645 27321 87364 25341 89765 74653 27345 46372 10753 36572

17145 28364 37281 73764 82736 73652 18972 37485 83674 18902

36452 63542 17453 63463 72831 36425 16723 97463 18234 92764

73865 27354 52132 48736 91023

= = 273 273 55 55 00000

## ***M89 - Chinese military***

**4538 kHz, 05-12, 0933 UTC, i.p.**

R R

HR WK NR 12? 12 K K

HR WK NR 12 ? 12 K K

HR HR HR WK NR 1KNR WK NR WK NR 12/12 12/12 12/12 AR K K

R A HI RPT RPT

RPT

R R SK SK SK

**5123 kHz, 05-12, 1059 UTC, i.p.**

RMKS 1442 TO 1892 K

= = = 64DT DN4A N754 DNTU U33A (Cont'd)

AR AR K

R R R R OK HR WK NR NR 311 311 K

R OK R R SK GB GB

**10253 kHz, 05-12, 1040 UTC, i.p.**

FF 7G GA CQ TH 3  
5398 TO 0 .. 148/9438 UDTCO TA ES =  
9860 TT48/2000/135NR /5398 AR =  
986..6148/2000/135NR/5398 AR =  
98608/6148/2000/135NR/5398 AR

**6291 kHz, 07-12, 1112 UTC, i.p.**

NR QSA 2 K NR HR ITTI.. R HR FF GA K  
R R FF NR .465 R. FF 46/EX 1913 RMKS 5634.563. =  
ABC7/...AR =  
..BC7/CCT7 AR K  
R U FF ...  
NR 2322 CK 199 14 1207 183 RMKS 5623 TO 564. K

**5391 kHz, 14-12, 1330 UTC, i.p.**

R HR WK NR 220 K  
R HR WK NR 0516 K  
R R RPT K (Other stations also on this frequency)  
R HR WK NR 0516 K  
R  
R U 2.4 EEEE R U 2130 COMM 7520 K  
R R KP HR K  
R VVV  
VVV 8LSZ DE HMTJ K  
R ONNQ DE CH2Q R QSA 2 QSA ? K  
R QSA 2 HR WK NR 220 K  
R HR A EEEEE R HR WK NR 06290 K  
R U 2130 COMM 7501 K  
R OK  
R U KP HR K  
VVV F9SZ DE HT  
VV F9SZ DE HMTJ K  
ONNQ DE 8P.W QSA 2 QSA ? K  
R QSA 2 HR WK NR 220 K  
R WK NR 0716 K  
R U 2130 COMM 7539 K  
R U KP HR K  
VVV W0UW DE HMTJ K  
R ONNQ DE F.0S R QSA 2 QSA ? K  
R QSA 2 HR WK NR 220 K  
R HR WK NR 0801 K  
R P 801 ...  
R U 2130 COMM 7586 K  
R U KP HR K  
VVV OHSV DE HMTJ K  
R ONNQ DE B2VZ R QSA 2 QSA ? K  
R QSA 2 HR WK NR 220 K  
R HR WK NR 09130 K  
R R U 2130 COMM 7580 K  
R U KP HR K  
R R U KP HR K  
R OK  
R

**5555 kHz, 14-12, 1323 UTC, i.p**

UD73 4U3N TUA4 ...  
U7A6 3TD3 ND76 7U3D NU5 FM 7U3D.  
FM 7U3D NU5 ? NUT3 73NU 5DA3 5AU3 (Cont'd)  
AR

**7878 kHz, 15-12, 0734 UTC, i.p.**

R IEC = 4344 AR K  
IEC = .9.. K (Normally associated with exercise - Other station also on this frequency)  
R HR MSG GA K  
GA  
NR 048 CK 99 25 1215 1530 RMKS 5310 TO 5339 K  
R GA  
R =  
7TU5 T3D6 TN6T 6NNA A646 47T7 AND7 TND5 35T5 5T76 (Cont'd)  
AR K  
QSL 1542 K  
R U 7G GA K  
R NR 015 CK 99 25 1215 1540 RMKS 5339 TO 5310 K  
R GA K  
R =  
... 5N 4U7T 3D6A 6T5U 7A3N (Cont'd)  
AR K  
R QSL 1548 K  
R QSL 1548 K  
R QSL 1548 K  
OK  
MSG GA  
K K K  
7G GA K K

**3636 kHz, 16-12, 1402 UTC, i.p.**

R IEC - 2178 AR K  
R HR F GA  
R HR FF NR 251/EX 2202 RMKS 8876 TO 0925 EEEEE 8876 TO 0925 K  
R =  
ZBQJ/SIE3 ZBQJ/SIE3 K  
R U GA  
R GA  
R GA  
R QSL 2205 K  
R HR 7G GA K  
R HR 7G GA  
7G NR 252 CK 99 55 1216 2206 RMKS 8876 TO 0925 KR =  
T7A3 74A4 D65N 76AU 4D6U 4UN7 (Cont'd)

**4901 kHz, 16-12, 0715 UTC, i.p.**

FFFF NR 1373 TIME 5  
FFF NR 1373/EX TIME 1513 RMKS 2N9N092 TO 2999098  
FFF NR 1373/EX TIME 1513 RMKS 2999092 TO 2999098  
FFF NR 1373/EX TIME 1513 RMKS 2999092 TO 2999098 AR KK K  
= = = =  
QB./RQBC  
NR = =  
QB./RKK  
OK GA  
QSL 1521 QSL 1521 K K  
BOZ UP SB WK HW ?

**5254 kHz, 16-12, 0731 UTC, i.p.**

R 7G GA K  
R GA  
RPT K  
R GA K  
R QSL 1531 K  
RPT K  
R HR WK NR 225 K  
SK SK

**5331 kHz, 16-12, 0702 UTC, i.p.**

= I7T5/F4HH AR  
QSY NR 05 QSY NR 05 QSY NR 05 QSY NR 05 VVV  
VVV VVV  
4VYR (Cont'd)  
FFF NR 1262 C EEEEE C EEEEE  
NR 1262/EX 1503 =  
H.P2/Z3P8  
NR 1262/EX 1503 =  
H9G2/Z3P8 AR  
NR 1262/EX 1503 =  
S9G2/Z3P8 AR  
QSY A EEEEE  
QSY NR 12 QSY NR 12 QSY NR 12 QSY NR 12  
VVV VVV  
FFF NR 1263/EX 1506 =  
H7.3/A7Q4 AR  
NR 1263/EX 1506 =  
H7O3/A7Q4 AR  
NR 1263/EX 1506 =  
H7O./A7Q4 AR  
QSY NR 15 QSY NR 15 QSY NR 15 QSY NR 15  
VVV VVV

**5700, kHz, 16-12, 0744 UTC, i.p.**

R QSL ?  
R QSL 15...  
R QSL 1550 K  
R HR WK NR 1241 K  
R HR WK NR 205 K  
R OK NR 205 K  
R VA  
R VA

**4047 kHz, 22-12, 1216 UTC, i.p.**

AT4N 745D 3UN6 4A6U 354D (Cont'd)  
AR K  
R RPT U (Both stations on this frequency)  
R QSL 2024 K  
OK OK R HR MSG GA K  
R R GA K  
MSG NR 4388 CK 200 58 1223 20.. RMKS 8919 TO 8924 K  
R R GA K  
R 1P =65TA ND76 A6N7 TAU7 (Cont'd)

**4161 kHz, 22-12, 1230 UTC, i.p.**

RMKS == 29991 TO 2999138 AR =

MSG NR 171 2 CK 74 65 1223 2035 RMKS == 299913 TO 2999138 AR AR AR = K K

== = A7U3 35U4 A5TN 35TN 4T3U N5T4 TND5 (Cont'd)

AR AR K K

R R OK GA

**4357 kHz, 22-12-2017, 1253 UTC, i.p.**

R R 6 =H9 DE 4XBC K K

QSA 2 K K

QSY 25 C SK

QSY 25 K

VVV =59 DE 4XBC K

**4153 kHz, 31-12, 1222 UTC, i.p.**

UD74 NUT4 4D63 3A7N 6DA3 4T7A (

AR K

QSL 20.5 K (Other station also on this frequency)

R R U MSG GA K

R 7G NR 074 CK 200 .1 1231 2202 RMKS 3.3 TO 54.. =

R R GA

AR

QSL ?

R R QSL 2038 K K

R R U SB WK .. K

**M95****4364//8073 kHz, 06-12, 0022 UTC, i.p.**

AR

A HR 7G GA

NR 1172 CK 36 35 1206 065A =

6E =

TAU N5U TT6 T53 TT6 N54 7TT TA5 746 7T5

77T DN3 7T7 TAU 773 TA7 773 TAD 773 TAN

773 TUU 773 TU3 773 TU4 773 TU5 773 TUN

773 7AN 7AD N47 3A4 7U5 AR

A HR USB WK

**4243/9054 kHz, 06-12, 0003 UTC, i.p.**

TTU 773 353 4AA 34U N3D 4A5

AR

MSG AGN

NR 11 CK 066 35 1206 0700 =

UT5 TT6 3U4 3A4 TTU 773 353 4AA 34U N3D 4A5 (Cont'd)

AR

A HR UP SB WK

**9191 kHz, 06-12, 0801 UTC, i.p.**

VV HR MSG GA

NR 005/CKK CK 99 64 1206 1600 FM ? 9191D FM 3 9191D3 FM 5678D. 3 369.FM 32351 =

5D6N 4 7U3TA6.43ND 57TA U364 5TN7 DAU3 4657 (Cont'd)

AR

QSL ?

= 4UN5 5734 5A3D N3T7 D4AU NAAD U7A5 (Cont'd)

AR



**4243//9054 kHz, 07-12, 1148 UTC**

VV VV HR 7G TO YR PSE CY  
NR 008 CK 23 35 1207 1550 =  
5TD UTT TT7 3U6 7TA N44 3A4 357 377 4TA  
N3D 4A5 U7U N4A 446 3DU TTU TT3 773 447  
46D 3D4 4D6 AR  
7G AGN  
NR 008 CK 23 35 1207 1550 BT (Repeats message) AR  
A HR MSG GA  
NR 087 CK 16 35 1207 1604  
UT5 TT7 3U6 3A4 TTA TTU TT3 773 353 DN7  
35U 4A6 436 467 4D6 3D3 AR  
7G AGN  
NR 087 CK 16 35 1207 1604 = (Repeats message) AR  
A HR MSG GA  
NR 14 CK 179 35 1207 1623 =  
UTU TT7 3U6 3A4 7TU 7TA 7T7 76T 757 336 (Cont'd)

**4364//8073 kHz, 07-12 UTC, 1143 UTC**

V BNGC (x3) DE XSV85 (x2)  
HR MSGS GA PSE CY  
NR 1177 CK 461 35 1207 1600 =  
TT7 3U6 3AN 3U7 TAU 773 TA7 773 353 4T4 NN3 (Cont'd)

**4243//9054 kHz, 11-12, 1149 UTC**

HR MSG TO YR PSE CY  
NR 016 CK 30 35 1211 1540 =  
5TD UTT TAA 3U6 7TA N44 3A4 357 377 4A6  
U7U N4A 446 467 3DU 336 N3U 445 3DA TTU  
TT3 773 447 46D 3D4 336 N3U 436 3D3 4D3 AR  
A HR MSG GA  
NR 22 CK 164 35 1211 1605 =  
UTU TAA 3U6 3A4 TTU 773 353 N3D 35U 4TA (Cont'd)

**4364//8073 kHz, 11-12, 1140 UTC**

V BNGC (x3) DE XSV85 (x2)  
A HR MSGS PSE CY  
NR 1193 CK 45 35 1211 16.3 =  
TAU N5U TAA N53 TAD N54 7TT TAT 746 7T5  
77T DN3 7T7 TAU 773 TA7 773 TAD 773 TAN  
773 TUA 773 TUU 773 TU3 773 TU4 773 TU5  
773 TU6 773 TU7 773 TUN 773 N35 446 DTU  
77T 7AD N47 ... .. AR  
A HR MSG GA  
NR 1194 CK 274 35 1211 1615 =  
TAA 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 (Cont'd)

**5757 kHz, 11-12, 1123 UTC, i.p.**

R HR MSG GA  
NR 001/CCK CK 191 03 1211 1915 RMKS 6518 TO 6319 K  
R R GT K  
R = 1915 AR K  
R RMKS 6518 TO 6319 K  
=  
737D A65U DANU AD43 3T5D 654T 67TA DAUN TU3D TTTA III K  
R =  
AD63 NU5T 4UD5 T43A 376D (Cont'd)

**5628 kHz, 12-12, 0836 UTC**

R QSA 2 IEC  
R QS. K  
R IEC = UH AR K (Normally exercise associated)  
R IEC = W..  
R HR MSG GA K  
R OK HR MSG  
091 ? EEEE  
MSG NR 001/CCK CK 99 23 1212 1645 RMKS 9147 TO 8651  
= AA45 .7445 N4NN 6DUA 4T7. (Cont'd)

**5555 kHz, 15-12, 1332 UTC, i.p.**

/CCK CK 50 24 1021 1500 RMKS 59.. TO 393 =  
A3.. NUA6 ... (Cont'd)  
AR  
UW EEEEE 2P GA (Other station also on this frequency)  
BT 3T47 65DU D7U5 37T4 5U6D AT47 (Cont'd)  
AR K SK SK

**3589 kHz, 16-12, 1411 UTC, i.p.**

VV ZFJ4 DE FNZT  
ZGG  
VV ZFJ4 DE VNGT K  
ZFJ4 DE VNGT K  
VV ZFJ4 DE VNGT K  
G G G V  
GA  
VV TGN4 VNGT DE 4JFZ  
VV TGNV TGNV DE 4JFZ II TF  
VV TGNV TGNV DE 4J.Z  
VV TGNV TGNV DE 4JFZ 4JFZ K  
QBL5 QBL5 QT.5 DE UGES  
TKRL 91/XZ8 NI8/9122/3./30/8.8  
040  
VVV 05 05 05 05 05  
QBL5 Q COMM/99.  
NR 007/CCK CK 96 =  
6U7A 3D..  
NR 01/CCK CK 7UTA 5M S EEEEE HR MSG  
NR .. HR HR 7G GA K  
ZFJ4 DE VNGT  
VV ZFJ4 DE VNGT K  
R R VNGT DE ZFJ4 ZFJ4 R QU  
VV 7G NR 11457 NR 11  
VV QSA2 QSA ?  
?????? AS AS AS AS  
VV IEC IEC IEC IEC IEC = = = 4726 K  
R =  
VVV HR 7G GA K  
VV ZFJ4 DE VNGT K  
NR VNGT DE ZFJ4  
QBL5 QBL5 DE UGES  
QBL5 DE UGES  
VV QBL5 DE UGES K  
YYA  
ABCDE FGHIJ KLMNOPQRSTUVWXYZ      Operator can send the alphabet. ☺  
IEC  
05 0 05 05 05  
NR UGES UGES DE QBL5 QBL5 QBL5 R QSA 2 QSA ? K  
R QSA 2 K  
NR I IEC = 570 IEC = 5773 AR K

R R IEC = QMKC AR K  
NR IEC = QMKC AR K  
RR IEC = 64 AR K R IEC = TK AR K  
R IEC = SY AR R IEC = D EEEE R R IEC = .L AR IEC (1444z)  
NR IEC = BR AR K IEC = TK AR K IEC = SY AR K IEC = QL AR K IEC = MZ AR K K  
OK OK  
R R = R = TK AR R DSY AR R = QL AR MZ EEEE R = MZ AR

**4243//9054 kHz, 17-12, 0614 UTC, i.p.**

HR 7G TO YR PSE CY  
NR 023 CK 39 35 1217 1033 =  
UT5 TA7 3U5 3AN TTA TTU TT3 773 3U7 356  
4A4 447 4D6 3D3 3UD 353 U4T 354 4UT 446  
336 N3U 447 46D 4D6 3DU N3D 3D4 4UN 353  
N3D 35U 4AA N3D 4TA 446 467 4D6 3D3 AR (  
7G AGN  
NR 023 CK 39 35 1217 1033 BT (Repeats message)  
AR  
A HR UP SB WK

**4243//9054 kHz, 19-12, 0844 UTC, i.p.**

AR  
A HR 7G GA  
NR 0.. CK 19 35 1219 1548 =  
UT5 TAN 3U6 3A4 TTA TTU TT3 773 35U N3D  
353 4AA 33U N3D 4TA 446 467 4D6 3DU AR  
A HR UP SB WK

**5555 kHz, 28-12, 0902 UTC, i.p.**

/// FFF FFF NR 12  
NR 1773/EX CK  
VVV QSC AR K  
.. GA (Other station also on this frequency)  
NR 5773 CK 3. 77. 4153U 2 U1.21 RMKS BT 1063125.. 70 AR K  
= = = ..4A 44N7 ..64N3 (Cont'd)  
AR K  
7G NR 5773 CK  
7G NR 77  
NR 5773 CK 30 C. 77 4  
7G NR 5773 CK 30  
4337.. 3270.7 77.. 3 AR  
AR AR= = ? K  
FM FB GXB OB 2BS GA GA AR K  
CK = = = FB03DM TXT TXT = =  
7G NR 6XAD  
NR 5773  
7G  
05 05 05 VVV 7G NR 0123456789 ..  
VVV 05 05 VVV 05  
AR 05 05 05  
05 05

**4243 kHz, 31-12, 1146 UTC**

VV HR MSG TO YR PSE CY  
NR 66 CK 17 35 1231 1604 =  
5TD UTT T3A 3U6 3A4 356 4A5 U7U N4A 434  
3DA TTU TT3 773 446 3DU 4D3 AR  
7G AGN  
NR 66 CK 17 35 1231 1604 = (Repeats message) AR  
AHR 7G GA  
NR 62 CK 115 35 1231 1623 =

UTU T3A 3U6 3A4 TTU 773 35A U4T 353 4TA (Cont'd) AR  
7G AGN  
NR 62 CK 115 35 1231 1623 BT (Repeats message) AR  
A HR 7G GA  
NR 05 CK EEEEE  
NR 065 CK 15 35 1231 1700 =  
UT5 T.A 3U6 3A4 TTA TTU TT3 773 35U U4T  
35. .TA 435 5D6 3DA AR  
7G AGN  
NR 065 CK 15 35 1231 1700 = (Repeats message) AR  
A HR UP SB WK

### ***UM03 – Chinese X2M net***

#### **7920//8250//8410 kHz, 05-12, 0924 UTC, i.p.**

AR 19 19 CK 100 CK 100 TIME 1623 TIME 1623 DATE 0512 DATE 0512 =  
73A4T 3A4TN A7354 6A4UD 3NT7A 6D735 4TD7U ...

#### **7920//8250//8410 kHz, 06-12, 0048 UTC, i.p.**

AR  
15 15 CK 100 CK 100 TIME 0747 TIME 0747 DATE 0612 DATE 0612 =  
RGIXA JYAPH TVKMB KNCET CRGVX GVVNP NQFHK (Cont'd)

#### **10212 kHz, 06-12, 0036 UTC, i.p.**

5UN5U 455TU 43TA7 4U47. (Cont'd)  
22W FM 4UTD5 4UTD5 (Cont'd)  
II 35W FM 4UDD4 35W FM 4UDD4 77U.6 DTT7T (Cont'd)

#### **7920//8250//8410 kHz, 06-12, 0730 UTC, i.p.**

AR  
11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 0612 DATE 0612 =  
BQSKZ UWLOD MODFV PSJYB ZOQNI (Cont'd)

#### **6240 kHz, 06-12, 0757 UTC, i.p.**

NR .9 59 30 30 0612 0612 .327 1327 =  
DB3N. BDA3 W7674 HBT5D 656AA ...

#### **3845 kHz, 12-12, 1730 UTC, i.p.**

555 K  
IIII QSK IS  
QBK O NR 03855 03855 40 40 1312 1312 1012 1012 ? K  
= ..6 AUD65 3D4T6 T6A6N A74D6 ? K  
CFM AD5N6 D6N5. U53NT 576UN UA3NT (Cont'd)

#### **7920//8250//8410 kHz, 15-12, 0730 UTC, i.p.**

AR  
11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1512 DATE 1512 =  
BQSKZ UWLOD MODFV PSJYB ZOQFI XZCRU DSUJM (cont'd)

#### **7920//8250//8410 kHz, 23-12, 0740 UTC, i.p.**

CK 100 TIME 1439 TIME 1439 DATE 2312 DATE 2312 =  
VKMBE TWLNC (Cont'd) AR  
57 57 CK 100 CK 100 TIME 1445 TIME 1445 DATE 2312 DATE 2312 =  
W.OD. OGJYA (Cont'd) AR  
59 59 CK 100 CK 100 TIME 1449 TIME 1449 DATE 2312 DATE 2312 =  
.RUDI MDVKE WYNQF (Cont'd)

## **UM10 - 10-minutes net**

5782 kHz, 15-12, 0723 UTC    PROD //6792 kHz  
5468 kHz, 16-12, 0700 UTC    JZUN //6775 kHz. New callsign and frequencies  
5782 kHz, 16-12, 0655 UTC    PROD //6792 kHz

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## **DIGITAL MODES**

### **HM01 - Dirección General de Inteligencia**

HM01 oddities:

#### **11435 kHz, 07-12, 1559 UTC**

Windows start up sounds, then 74382 54133 84701 32735 63327 57417

#### **11435 kHz, 22-12, 1601 UTC**

Radio Habana Cuba. Id in Spanish followed by music, then abruptly into 64038 62368 52208 75483 72354 33285

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

F01 – FSK 200/500

#### **7684/5326/4029 kHz, 06-12/08-12, 1940/1950/2000 UTC**

**Triple timestamp: Wednesday, December 6, 2017, 1510 MSK**

40138 01555 12737 90984 53098 22973 63214 15965 35109 04680  
46727 99563 53458 41984 56123 41152 19608 73440 35472 50965  
57972 85142 76582 85484 53064 02708 70662 87256 86078 75916  
90335 20769 22465 68321 90291 84823 22041 05566 58961 53105  
07451 56880 98080 73510 94308 96255 90112 88979 40030 96608  
77487 90337 14718 50538 36308 59424 46097 74586 36911 75073  
17334 70277 86922 99854 63184 29163 06039 79326 52343 52744  
90790 89301 44544 56049 06270 64513 86956 28444 63189 82086  
50675 58196 92552 35444 85487 96406 67884 36328 12593 69299  
17439 02358 34810 97773 34039 65474 96594 40237 03018 01904  
09793 56171 65420 34034 24749 67131 40139 64648 34867 10030  
37147 57260 35296 16554 02861 40660 34846 63958 86950 47123  
29288 67666 67984 91125 14390 53622 95266 09437 35442 50279  
53453 05796 31097 99411 02695 65182 14126 45639 91406 94382  
51331 86056 52834 31972 89421 97878 47023 86573 70332 99947  
82125 56635 62399 42658 17500 03397 91991 89481 82066 36987  
80120 53012 29186 28434 91891 24978 98662 98769 74076 25774  
56810 76240 79125 86719 26299 44493 97093 23910 85696 88294  
58637 33462 06760 37252 61801 21548 23429 68333 38572 43080  
15287 09886 07575 97978 14553 09089 63473 65752 70247 64505  
16999 11233 14321 56561 73372 92176 13584 01334 84093 63033  
17972 52654 78733 37349 47094 62888 15896 85237 45651 56468  
10698 47400 53222 00000

**18169/15765/18169/15765 kHz, 29-12, 2230/2240/2330/2340 UTC**

11177 00116 87592 28052 01689  
16688 37574 82097 63500 81069 29831 43866 18421 04326 80680  
27493 66173 04756 59031 39608 25334 77362 25520 86493 17811  
59204 78010 95338 43889 48358 65166 75835 58930 31185 41517  
89283 87677 97579 62475 17413 37087 48904 42730 48089 93637  
28273 26452 20113 16053 27903 42757 94279 59359 53187 44864  
42901 91246 48207 56373 74972 86635 12349 73116 39162 11416  
62724 94012 71835 31272 22083 79360 82276 06560 36893 60014  
92301 59136 55290 45869 72465 22117 19578 07110 42025 08468  
52965 26646 24872 59390 45225 47170 78597 58428 66975 61297  
38899 22229 67254 18193 46504 03909 34082 45151 48795 69953  
22709 07550 93337 36584 81212 55619 55486 76543 28157 31472  
67258 32218 61985 34816 39669 96058 06837 70800 95705 44214  
24482 28429 56140 34327 47055 62972 45357 03428 10274 80831  
09388 26866 91838 50265 63343 24212 84691 86451 10423 23068  
59829 84287 99702 16730 98350 97391 14867 76629 97434 86724  
11098 05506 79924 87290 42288 42229 62224 66326 45776 54229  
60168 71446 76788 78455 37581 92153 52166 00000

**18169/15765 kHz, 01-12-2017, 2230/2240 UTC**

11177 00116 46592 01048 02079  
86160 91915 09496 82465 34747 14048 33461 55466 96756 43002  
53850 56673 40808 15351 14011 85785 16091 24901 44325 13260  
69680 86754 46055 39150 49674 30966 04582 86853 40177 80897  
83972 50248 06265 66341 71308 29010 81678 82138 93541 22779  
14047 87680 86145 25938 84350 59346 25320 00980 96721 44849  
84419 68093 63895 01719 82675 93997 97350 41941 43642 27618  
51130 64475 38273 53748 00164 58312 29554 63120 65194 46810  
81298 86820 24981 56468 63574 24027 20161 94996 94202 36892  
86735 35959 79905 21020 63694 84084 48242 77993 98408 05909  
18287 68489 83707 19630 14866 66178 29659 43782 88760 49122  
24602 39868 69726 88988 16804 84429 64554 70576 43537 32830  
86697 19371 23570 26073 71847 68963 96975 60527 66324 36043  
63749 42938 24543 22474 16168 70496 95160 22227 36100 72310  
74801 87347 13442 46498 42572 74405 60040 32086 99235 48107  
24992 36677 46960 99517 30854 39462 38627 07674 31247 55807  
73779 32078 20714 61128 87101 07907 69336 49846 99780 14359  
43855 28318 27052 61178 86774 90027 16204 82233 27245 41680  
48835 24747 56576 97032 38052 51511 58933 67862 51000 82887  
01508 07151 33948 23609 07020 00408 11993 99126 47932 87560  
46968 96859 87078 58780 52857 25791 73969 98773 65284 06496  
65962 88757 02291 38137 61492 48205 00000

Link 00000

**10687/7992/5913 kHz, 26-12, 1110/1120/1130 UTC**

11100 00000 52741 25077 03949

61379 70272 53464 18068 84333 57010 77761 46398 29255 43183  
 42520 70041 98554 04389 18481 81434 23149 13846 39871 67423  
 90755 52589 99156 01734 02011 58836 37584 16451 21611 52436  
 11214 50939 16664 95365 37132 01638 99429 74192 49523 21183  
 16645 15452 20292 40267 52621 69865 23929 10709 38290 26355  
 51293 93134 83404 41763 02021 37738 74066 97254 10217 31540  
 02771 17296 83156 10585 23164 12182 57641 60527 46691 30033  
 03736 54024 23327 29196 30544 98383 73578 07006 73726 91910  
 63942 45816 69448 12373 43003 62265 44433 86042 80373 70698  
 76822 10733 75645 96683 07524 31282 29549 01570 06728 90916  
 94513 04012 25301 06923 46797 09406 85715 44085 47402 83179  
 92228 84302 83931 28857 64978 15848 10602 56856 27702 90676  
 28585 54936 03748 23256 73863 96251 00075 29327 04802 45938  
 83939 28046 06606 52170 81928 55940 54867 32629 56057 66128  
 05377 92319 36598 11215 02396 33670 16338 33332 22568 44860  
 35946 09734 96668 77299 15148 27399 76369 48213 09383 85078  
 38216 29259 96637 46220 41989 07116 24145 91201 85658 26981  
 69634 42333 24103 54922 96814 60036 43786 20008 09793 33662  
 10577 22163 36095 15370 32901 16682 92994 70511 07419 11346  
 16831 42958 39399 37068 59995 58805 54996 78013 85287 16894  
 47606 72134 12322 39582 25492 18045 95668 82220 52866 49186  
 39424 24736 01619 61213 77893 93804 55875 03542 77071 89008  
 36579 70989 36616 11450 38270 56460 96998 18232 95273 50595  
 81506 51265 19458 99328 27810 13821 76767 55309 88763 93280  
 94710 84084 07124 53513 17996 11024 93896 45317 54495 19896  
 64971 08366 78729 39045 15749 63099 85060 76098 38446 15991  
 07780 87151 11763 26629 50274 91364 17600 10056 90466 66897  
 64513 72796 54709 89141 22596 06018 77324 97165 99474 84250  
 87976 99327 12104 43121 94063 53977 34049 34516 50315 86201  
 22947 82636 32786 26539 57832 89359 59427 82603 41005 62356  
 24438 79555 44147 64407 38560 30362 03359 07334 92528 21778  
 92808 39012 85847 26980 31689 96875 88087 80812 04152 26371  
 24892 78556 96926 87785 05875 84174 84302 99893 36602 58971  
 15153 93856 81843 46591 81705 75815 72279 75312 74739 21610  
 71851 63557 54891 52068 47951 39560 94758 62293 11619 11141  
 71503 03399 19959 46509 14621 40117 57943 52038 38574 32731  
 41797 57955 14981 16749 11158 47875 64041 78786 02191 93120  
 69882 52057 18843 77765 49528 79951 44439 25337 30158 21101  
 60787 63114 14364 94394 66999 84970 38077 87372 15199 98672  
 50857 76432 77392 00000

Link 00103 via Cuba

**20227/18397 kHz, 01-12, 1353/1355 UTC**

Header: 11100 00103 48512 01001 02019

**12133/10274/8148 kHz, 05-12, 1500/1510/1520 UTC**

11166 00052 76921 05076 00049 000000 00000 00000 00000

**12133/10274/8148 kHz, 12-12, 1500/1510/1520 UTC**

11166 00052 12305 12026 00049 00000 00000 00000 00000

**20875/18747/16316 kHz, 13-12/14-12, 0900/0910/0920 UTC**

11166 00052 83627 21022 02229

67260 49831 52856 34313 78987 07526 76494 52761 90369 99908  
11382 09691 16388 57291 24449 78825 87765 41641 72239 81175  
70672 83331 45702 96338 17823 82584 01924 57125 62151 33575  
74651 46719 57636 43089 36894 64615 38770 28108 20566 25169  
23225 91509 78948 57827 82680 27161 16652 19900 24972 94959  
51648 10308 72413 26503 51709 71139 14569 27390 95887 71636  
08019 54541 29081 02241 06157 32697 09916 44163 60305 69498  
52167 63545 27643 00636 22762 69251 97689 43709 10084 73654  
38427 23490 90385 04446 90375 58032 97950 62762 64372 98250  
50579 54078 29034 34969 51834 25991 67849 21243 23872 91581  
60531 86281 35827 79934 80515 92580 20366 53128 75231 96300  
82196 82793 78558 71503 53788 04897 39169 57023 78733 64622  
27889 66489 33479 80263 92311 72971 59764 95806 51128 61320  
53150 98176 91380 72545 16879 57891 77780 93356 82751 91228  
29878 75391 15022 23038 89193 42614 64835 71295 05156 06401  
81849 39995 19271 07154 34914 73389 58207 60479 03826 01839  
15636 72622 34670 55462 81195 04726 57349 06853 89906 33622  
44207 01014 62640 83272 70036 22896 80878 04715 26435 10519  
21057 96611 08237 10510 37341 47606 37483 89140 51331 06367  
05407 77361 76080 98896 74358 82754 13712 25607 98864 75674  
71661 23824 86047 75485 67545 84139 81345 61247 71003 46858  
44945 99874 00361 23894 13659 22165 67312 21425 96463 92818  
22220 00000

**12133/10274/8148 kHz, 19-12, 1500/1510/1520 UTC**

11166 00052 45678 19090 00049 00000 00000 00000 00000

**12133/10274/8148 kHz, 26-12, 1500/1510/1520 UTC**

11166 00052 59623 26592 00049 00000 00000 00000 00000

**20875/18747/16316 kHz, 27-12/28-12, 0900/0910/0920 UTC**

11166 00052 93142 26023 01969

46390 36136 53856 22078 57017 94821 77494 40426 79499 86203  
12382 97356 04549 95064 55809 80736 54114 13307 89671 47806  
71581 71722 70429 99059 63732 41614 57367 86174 44208 27159  
18424 25756 14101 95402 26740 08199 52718 43167 92157 22308  
26506 24578 75122 09289 02768 36942 34439 59557 59922 17319  
36681 30620 55198 56045 92530 24996 78994 46219 82822 94709  
64536 18113 12761 25427 94964 01855 85453 73432 17791 32070  
00437 36546 77102 71055 82389 55599 27712 16180 32128 48837  
81034 48202 54451 45358 02976 24292 61673 58132 92100 10048  
70268 59488 92520 71892 78448 87603 57107 50884 77981 53126  
33837 13128 61368 77954 22200 33647 55981 71196 61237 62898  
31732 30917 23968 08427 09268 78365 33299 62024 06610 13685  
87897 67011 71387 63038 97627 63670 38756 28306 22601 39260  
23869 26312 49444 44526 03413 04801 71886 80146 10858 94047  
46788 22561 99673 26492 13165 29983 03763 31931 22045 95639  
78002 27733 07618 17462 34554 10232 64388 59241 40563 41516  
08028 40758 28604 49702 05530 68112 62500 57869 19539 13375  
51886 31485 14291 95382 12231 88115 48904 16698 56033 81671



63173 51365 69898 14574 46120 56862 24525 37593 88771 58970  
52816 19662 66372 44066 23194 00000

Link 10031

**18046/16326/14945 kHz, 13-12, 1015/1025/1035 UTC**

11166 10031 13579 13001 00049 00000 00000 00000 00000

**18046/16326/14945 kHz, 27-12, 1015/1025/1035 UTC**

11166 10031 59372 27026 00049 00000 00000 00000 00000

Link 10053

**9328/7928/6783 kHz, 05-12, 1650/1700/1710 UTC**

11166 10053 13579 05001 00049 00000 00000 00000 00000

**9416/7836/6785 kHz, 10-12, 1530/1540/1550 UTC**

11166 10053 91735 10001 00049 00000 00000 00000 00000

**9416/7836/6785 kHz, 17-12, 1530/1540/1550 UTC**

11166 10053 13579 17001 00049 00000 00000 00000 00000

**9328/7928/6783 kHz, 19-12, 1650/1700/1710 UTC**

11166 10053 34570 19067 00049 00000 00000 00000 00000

**9416/7836/6785 kHz, 24-12, 1530/1540/1550 UTC**

11166 10053 17935 24063 00049 00000 00000 00000 00000

**9328/7928/6783 kHz, 26-12, 1650/1700/1710 UTC**

11166 10053 56248 26001 00049 00000 00000 00000 00000

**9416/7836/6785 kHz, 31-12, 1530/1540/1550 UTC**

11166 10053 36874 31063 00049 00000 00000 00000 00000

Link 30011

A very nice catch by Danix. I haven't seen this before.

**15680/10739 kHz, 23-12, 1310/1320 kHz.**

**Two different headers and the message does not contain the digits 8 and 9.**

11166 30011 75319 23003 06909

11177 40485 00000 21084 06849

00005 05002 72241 32105 36136 16102 73355 37405 15767 35216

62753 40704 14370 66470 47733 57650 23674 64102 74064 47165

63263 13263 02717 24075 20502 00437 26454 44010 43566 60670

31616 62306 54660 11730 61615 27271 34533 60276 65322 17524

41320 07413 07211 77371 67223 00343 20137 07650 23451 34355

54560 17067 44771 77500 61175 77415 37464 66753 75336 41437

14346 33305 10011 32313 53424 21003 63745 26443 11577 41416

42171 23011 03723 17054 56213 61223 03655 23462 60273 76262

54252 41632 44431 11653 55724 22411 32561 54124 23254 05170

00664 72327 01510 50724 23451 32011 40466 24125 05445 33346

43523 24170 35131 10127 26011 24344 57711 35663 32351 51605

60257 15736 70701 74057 77415 31250 01451 67124 71433 16655

03261 04005 72771 14317 31407 25422 06540 67243 63300 10770

32342 63223 75672 54505 10677 16353 67323 63125 01462 52531

25211 43206 52205 12137 60346 14522 05716 77151 47474 04244

22226 44331 71572 06707 66773 31357 07030 06455 53333 30240

35711 70000 71777 33620 57212 34531 03025 53515 34623 36701

24204 57411 14454 54323 51770 22435 43321 52440 32320 74656

31542 60254 67317 14432 31441 07664 66452 15526 27505 13672

37047 02410 57635 40777 47447 60326 16465 22024 47313 75237  
64542 76173 17634 76312 75211 24437 46505 15233 60502 31632  
25443 27567 17443 52316 13332 41131 15352 17632 63656 77364  
15326 62275 11462 71654 51510 03244 60253 04163 03716 62207  
23057 52136 65621 06104 42242 06344 21555 01060 55162 67447  
06355 30624 15301 31065 63360 17746 77035 76101 20511 14661  
50657 33736 13613 13604 72300 41121 42414 22613 21775 45140  
21626 05350 72653 66743 62140 52047 04157 13217 77037 30647  
73733 34435 40461 44501 21301 50044 23466 07502 23352 04026  
12350 76246 40364 50532 52464 36626 33670 60764 73521 22530  
77710 21013 16762 41567 03041 31605 51451 30130 67774 76213  
40173 15042 51505 53446 71761 14677 12730 15116 32454 57007  
31041 67055 65046 54662 67717 20235 76415 02571 06556 50551  
76364 64161 40323 52130 03115 61226 57474 00155 74364 63670  
12751 23733 05242 50266 63326 26655 70450 66023 06304 20261  
11701 14004 36564 64610 71454 51515 44276 24643 12024 60246  
62046 33771 53457 57656 64551 41622 14153 06172 11210 40176  
75730 13700 42461 54632 77471 03713 44360 23017 21304 65373  
02202 31660 14507 05340 34065 73145 33271 56375 25333 63220  
12520 75264 26257 16540 12647 23403 12173 33765 20316 12123  
14653 20463 54366 70120 40733 52473 20253 46740 33037 71233  
64053 21164 71235 35440 36677 62612 23472 73725 03360 65764  
41053 32451 33113 02663 63641 71045 40230 24345 26526 41111  
07156 50004 43622 66072 53237 36040 10506 51164 17304 17331  
02452 74205 71053 71475 54043 64470 32602 31511 25510 12647  
72702 17615 35460 56325 41671 32161 16435 61257 16234 56436  
62620 33261 44210 14247 60332 61574 52662 42071 75325 30662  
13034 40131 01773 57062 14273 37444 10610 02201 00236 02702  
61031 12276 61361 66062 46256 47041 73423 12415 55472 71136  
54076 27317 62644 20554 24540 63422 51510 63326 13755 63706  
23634 55770 13676 01427 60722 23104 23433 14710 77640 62203  
52406 65535 10656 05267 21556 00102 01541 03732 57476 70346  
17666 65257 37251 15171 76055 23554 40267 76563 12052 46073  
17752 52040 07444 74646 23055 02424 00155 55215 43677 04632  
45207 32027 35665 25242 53602 25744 72106 40365 32116 42526  
65446 10002 46126 42757 45040 10654 40425 65372 04140 43054  
63143 24467 17237 46664 35613 46631 43663 54226 01422 11246  
25626 32302 50027 44203 10273 26115 56131 11105 35017 02672  
74024 23271 67647 34246 33121 14165 17074 34416 73420 41736  
60410 65436 17762 31362 77740 56426 77426 55330 17151 65260  
27161 62525 76377 36435 07251 73455 03245 45156 21273 33442  
65365 42507 64042 04012 24312 00145 66453 73250 46775 60654  
16632 16670 42246 14342 50520 17575 17237 51137 33510 21320  
44614 73763 65421 05120 20243 42136 16630 72527 60255 60173  
64371 25064 45762 51577 73537 00140 04665 41123 73065 26370  
53633 42646 12145 77036 50054 05155 43326 44646 24271 33305  
67175 43145 33064 45371 51340 24414 35046 25771 36314 02311  
02670 40751 22111 20127 72744 31427 20373 20433 63270 14277  
65645 23131 47300 63100 11624 71134 42132 74516 33335 22247  
74762 17716 03324 03688 00000

Note from Danix:

*Yet another link 30011 TX with a message inside a message. Note how the inner message is one group shorter than the group count, like M42 back in the day, and the 3 in 00503.*

**16225/11073 kHz, 27-12, 0910/0920 UTC**

**18465/16251 kHz, 27-12, 1100/1110 UTC**

11166 30011 47396 27004 00569

11177 25026 00000 27024 00503

56478 67890 04826 96857 02344 67890 56785 01289 02248 82114

00985 11038 75893 05648 06739 27599 43417 86723 38190 54719

67491 32331 87940 64759 52391 00956 43820 81649 32600 85628  
43810 86970 09876 32618 06938 31639 96057 61538 35472 42389  
34481 96021 65920 34178 86040 52810 96899 13253 65839 04054  
00000

**102457382/7672 kHz, 27-12, 2100/2120/2130 UTC**

**10245 kHz, 28-12, 0100 UTC**

11166 30011 89167 27005 00529  
56478 67890 04826 96857 02344 67890 56785 01289 02248 82114  
00985 11038 75893 05648 06739 27599 43417 86723 38190 54719  
67491 32331 87940 64759 52391 00956 43820 81649 32600 85628  
43810 86970 09876 32618 06938 31639 96057 61538 35472 42389  
34481 96021 65920 34178 86040 52810 96899 13253 65839 09876  
05050 00000

Note:

*It was just the inner message but without the inner header and with extra 09876 at the end. Very strange.*

Link 40122

**20157/18241/16204 kHz, 06-12/07-12, 0600/0610/0620 UTC**

11166 40122 15207 02051 03359  
40600 02939 59160 31108 10981 65724 14891 55768 49387 58562  
09593 14184 27593 88353 92896 05060 66938 75839 13687 73771  
74065 28023 51005 10627 50965 82187 02865 38672 52791 88677  
68908 70743 91849 24636 87854 40447 11235 55888 15663 36739  
76513 89158 55364 96823 58928 81805 74487 37024 08534 01263  
71017 26340 40712 51376 73826 32364 84512 07823 88525 94245  
66229 29801 24647 02403 26692 40171 65126 89647 95663 91248  
63997 63436 71823 58425 83255 33910 81736 28812 04811 17434  
16282 77083 78481 20303 67945 45724 91959 32316 17437 71853  
73683 84900 43058 27817 64561 53473 51265 67742 19480 08729  
51854 97231 24532 46541 26222 08391 40911 51164 62119 47379  
11393 71424 53356 06660 90365 14584 87880 59152 83320 87571  
72676 76464 06763 40262 68909 98389 04459 90494 35773 45865  
80980 35518 06455 94578 38465 79546 44678 51397 27536 32118  
55238 00824 48323 56941 46989 13660 62515 75918 71698 35056  
02391 58030 87231 94153 87751 47769 18479 02491 86709 12822  
14480 33364 81256 15660 25175 99340 23558 38760 46222 70096  
93900 18117 05322 97777 96253 64744 88476 42066 52341 78855  
29639 12143 80211 86403 12163 67730 68200 52674 55523 46407  
80247 52618 85714 09377 53500 02607 12788 22883 74133 83299  
63947 17457 42337 08319 45656 92182 62398 18405 33180 56173  
18815 05755 11008 24435 24388 98216 12596 10319 51222 58040  
32862 81739 80568 74863 11866 73355 32463 57627 13128 71882  
61078 55096 45010 16756 26738 59693 98594 83295 80534 74307  
00519 40588 22471 46790 04171 01266 19089 01808 67717 05352  
91491 24744 92377 05399 09730 77347 19387 45061 54462 49799  
09096 48330 31841 78894 50627 61585 52561 87023 75549 15682  
11001 21649 73976 00231 25408 99947 36557 67279 25042 88325  
70776 06579 95246 71474 65015 59608 16353 90673 98793 64572  
57376 56017 22649 49526 10434 62248 56081 15849 76824 62904  
76997 79224 40701 82438 01101 60331 91283 71026 74658 42437  
79541 31734 29086 38059 20289 74733 70782 31906 75620 78257  
04663 92274 80644 60983 14812 68087 97429 95528 50714 13764  
08110 17744 92475 51333 00000

**20157/18241/16204 kHz, 13-12/14-12, 0600/0610/0620 UTC**

11166 40122 96321 09052 03029  
17155 32095 60346 81495 72355 05583 58063 35825 44518 27840  
71025 81166 34718 00520 63814 97046 98678 67640 58549 79185  
15659 03787 94642 32042 19940 15306 53500 86069 55849 59166  
71607 56863 42259 09192 90418 88392 57489 24338 16511 47501  
80560 98715 90423 61867 49737 98028 87631 18603 24285 12136  
00080 65687 60393 78408 71725 83427 37195 55574 86516 18110  
93822 52743 32259 95061 63431 43288 88789 53289 15141 18286  
13910 68878 39817 59192 25506 59366 40642 34435 03303 86246  
14410 49636 58683 97805 34476 06122 46005 79493 71310 47426  
13872 03978 11581 98467 19768 98116 61714 27096 56522 68995  
46862 82678 64018 56243 41219 91435 24600 02803 90622 13194  
65601 61342 13377 89259 17451 78506 90238 36085 00773 24182  
79498 64431 40926 57968 18097 28703 33440 50048 94712 36142  
08741 98634 05766 70579 69656 11196 30264 10425 00095 41625  
84432 45573 68362 00567 42073 22937 73541 81068 31577 75267  
08377 66750 45538 12977 37101 14689 23905 83621 11640 30189  
96593 28762 74631 75641 96526 92865 22706 80645 79008 63949  
28445 45597 08388 50652 44484 55911 97946 25411 38171 49082  
13945 88452 30232 01765 79768 32257 35879 29058 41102 11208  
31798 13187 78087 46106 97444 03763 75383 18224 04111 56819  
86073 32613 50163 04796 50367 55322 65926 74676 55008 54240  
36621 96451 44364 98235 16814 69106 19090 94282 34808 76307  
83348 67262 10406 68998 26487 12137 34492 57060 50134 73158  
83879 77252 76642 29831 69829 29609 99810 94287 43712 99478  
63833 49792 08235 07394 81414 85024 07663 53967 26968 03874  
95496 51983 65865 15395 03017 62896 05646 33629 57149 79904  
80144 41981 21083 24793 02462 01831 56083 50736 47722 10068  
27928 68243 51557 35247 06418 36438 35240 87038 31377 86853  
93429 98667 43615 71941 05439 27029 04249 55463 55983 00171  
50851 86982 76338 66820 63850 27605 41838 27653 41626 19191  
52300 00000

11166 40122 02471 09053 02579  
86668 52990 07722 14211 21878 16600 98638 08424 67548 00312  
05623 43583 35063 49108 68899 72350 20415 81400 47781 02596  
94478 84160 15098 63290 01203 47613 49379 59160 99641 19152  
23224 06300 10777 81197 11303 65934 55057 82655 66427 18506  
91607 78687 37124 45286 95020 58455 25143 09693 30703 65557  
06354 55501 14674 40813 63452 64139 68789 42112 03926 38246  
07308 20992 61704 03701 15739 60643 05944 47278 07920 05035  
05379 32151 72249 33825 21671 58406 43018 62782 30207 60764  
57776 74360 91772 60702 86674 08151 23539 15150 44710 65880  
42810 28963 22830 10651 81957 23344 98806 65097 97981 77418  
13851 38166 25147 85137 25868 35194 44113 94696 75330 30972  
66013 22670 24669 10483 54904 60030 57147 07012 37044 12260  
46141 92295 70415 40721 30767 98420 72936 97492 58798 76136  
32814 70846 82798 19295 49451 83556 20420 10078 78365 11228  
14798 64721 78543 12830 55978 84411 85676 90633 49323 41047  
59718 21715 41819 52546 80184 28244 42240 27402 87655 78722  
96090 83154 94900 37364 01275 68476 16073 03813 75424 43571  
87403 10379 10822 98540 77845 68977 77863 14445 13083 84968  
62994 96717 61372 80075 52045 35634 54625 91570 94931 73513  
43192 39922 12625 83354 07765 82084 32354 88580 76853 92621  
61962 78581 23266 39842 39367 99749 38028 49154 18048 26692  
05177 70807 74515 43300 25881 94214 48681 88371 65309 76047  
53087 45480 20688 74291 11905 81755 33991 05438 15672 65287  
97699 67011 02679 15829 27054 92623 02961 68484 97261 31720  
05815 55078 69074 71233 36804 32880 51181 41316 55154 15387  
72867 72338 07516 84844 65344 53255 00000

**20157/18241/16204 kHz, 20-12, 0600/0610/0620 UTC**

11166 40122 45678 20039 00049 00000 00000 00000

**20157/18241/16204 kHz, 27-12/28-12, 0600/0610/0620 UTC**

11166 40122 96324 23054 04089

12368 94176 36968 76318 08371 11757 02447 40332 55183 97791  
83791 59441 95385 35668 25349 67473 33542 00320 37414 68999  
33013 86081 54229 23096 03510 88148 60050 67431 90285 92343  
56724 49879 00946 52871 71197 59834 30775 62741 26407 76423  
72552 46564 23998 75799 21768 30393 12275 64705 13186 68303  
37863 32495 49700 30402 04492 38796 09405 81943 87337 79007  
41832 08255 76384 94816 89280 65138 47214 21922 94182 59466  
82681 92151 78445 89616 93904 32163 05703 00482 14007 25911  
62405 32700 63054 33077 18712 70823 07620 80637 55088 20087  
63411 69768 65574 66490 14410 65269 73649 99862 46942 59688  
21628 04604 22138 29353 19531 47785 35199 24469 64366 19310  
34928 60502 65759 03801 01940 03008 38866 88924 09011 63109  
50507 39820 11990 45806 29468 94333 44713 18305 76892 58740  
16364 90553 37709 08641 34704 25172 19037 24722 03631 18964  
66495 18068 68482 23203 34367 24708 07534 94863 10539 74097  
93124 96013 82173 61200 70852 83523 53033 76880 30271 56304  
48411 76281 65525 52248 68585 89876 49371 12067 76756 06889  
69011 52209 32392 85755 97178 14050 05913 71337 96914 81533  
35673 23548 83484 84466 13161 87096 91844 29639 07352 57038  
23122 26961 64169 19807 68535 02818 41978 74420 34196 17809  
69045 63559 15216 31076 33917 69188 92584 78391 44641 52417  
51223 56217 17772 42291 42677 28895 83105 03189 40871 01179  
15066 35527 64366 23279 26695 89450 63567 20618 87173 96195  
96292 65482 48821 46822 40181 32749 94497 72991 15334 06890  
41360 09488 15661 32427 61900 43158 72349 25038 08207 77971  
97899 85485 50384 70880 84169 83576 65076 18161 52852 04320  
35018 96938 81842 73482 45562 91576 55906 04728 89120 59605  
15122 35520 13441 16902 99493 43991 74687 46790 13211 63947  
81224 62751 56961 40213 39074 79442 01756 91484 34965 71695  
02689 72904 17921 26199 76085 55518 65313 15536 88453 64820  
44335 49280 30704 45567 04817 81825 76048 45045 64324 81642  
45036 31989 71483 91645 26150 93326 58468 35371 25415 75945  
18577 48627 43435 65666 69854 41335 03326 20610 90677 19224  
77947 01151 38256 20081 89901 63631 85983 44236 82716 10041  
40563 83981 86659 10840 24870 81586 27621 43106 37460 70637  
52496 11215 24688 80340 69512 42212 26353 07522 26932 73092  
80822 85978 78575 72153 00559 07883 09597 61623 53998 76925  
20949 33742 14722 97886 95979 77489 63832 32318 97592 58143  
56506 75022 69415 16861 88636 31031 39404 82461 24515 97744  
49331 12610 71479 81949 58586 06576 12479 06376 95733 56767  
32483 85495 56262 31223 99677 75251 54406 00000

Link 40133

**20648/18483/16196 kHz, 02-12, 1500/1510/1520 UTC**

11166 40133 12537 02001 00049 00000 00000 00000 00000

**20648/18483/16196 kHz, 09-12, 1500/1510/1520 UTC**

11166 40133 36987 09001 00049 00000 00000 00000 00000

**20648/18483/16196 kHz, 16-12, 1500/1510/1520 UTC**

11166 40133 35791 16001 00049 00000 00000 00000 00000

**20648/18483/16196 kHz, 23-12, 1500/1510/1520 UTC**

11166 40133 14579 23036 00049 00000 00000 00000 00000

**20648/18483/16196 kHz, 30-12/31-12, 1500/1510/1520 UTC**

11166 40133 68374 28036 01429

53871 55065 88968 73572 17622 14654 18384 05053 59533 36847  
13974 56314 91766 46272 12258 94611 02507 75631 63130 29038  
51285 72932 61351 35323 32580 12350 43488 08105 80884 53341  
99758 12053 61575 04386 32616 65413 98298 31732 78232 70168  
92430 46423 75079 15398 87343 98427 24184 37394 85323 18911  
76675 04510 92185 00822 33580 17651 21919 29199 83236 74090  
80420 43299 35503 38881 84496 19258 29872 47219 14472 53895  
43999 92812 61059 37134 20074 00708 38094 37699 30942 52323  
26982 95708 24243 13942 60494 31304 43261 70567 22850 34974  
17838 80085 87565 33851 58566 29479 19848 17042 21026 01320  
34597 67681 06918 28159 68464 13640 49716 67650 61851 56353  
91193 87641 93918 92894 07424 62142 03562 57115 27418 65890  
56920 38960 18237 95789 71498 89266 27222 23840 12860 17220  
90359 41184 32142 35061 69950 42749 20639 97504 72824 17373  
61400 00000

Link 50046

**15623/13854/11596 kHz, 02-12, 1100/1110/1120 UTC**

11166 50046 16537 02001 00049 00000 00000 00000 00000

**15623/13854/11596 kHz, 09-12, 1100/1110/1120 UTC**

11166 50046 13579 09001 00049 00000 00000 00000 00000

**15623/13854/11596 kHz, 16-12/17-12, 1100/1110/1120 UTC**

11166 50046 76415 15019 02049

61829 49082 09903 40530 28996 33697 64196 63673 66044 90178  
87902 82228 74514 45634 27547 49977 64149 53783 02757 28371  
22151 51928 05185 90198 12032 55146 55238 33044 23269 27888  
52665 06330 60360 86038 54222 26974 72288 52227 82052 16553  
80566 52054 98479 02254 65657 97745 64448 93995 05273 70217  
01242 80174 76730 82401 60514 03753 00532 09246 41507 60102  
53683 24564 05240 65691 63572 11132 71815 12506 01848 28504  
91716 16828 33715 20023 38096 85312 51899 93702 11123 26808  
41012 50992 46044 83893 51144 09441 27056 67460 22948 72763  
10533 73856 39690 05497 15081 38142 15281 05512 04553 14633  
96057 70548 30112 24448 40258 07640 54935 78410 65382 83990  
57383 16701 77031 93058 07995 91915 06135 79003 36782 28349  
57521 99634 31159 45270 11319 03035 82546 92825 25296 32967  
61165 92346 80676 10018 84412 57081 71656 55056 06900 25944  
48351 57300 82766 42160 86166 30282 28926 20473 33606 78146  
73389 18496 15755 80598 43313 84886 94107 11330 70608 13880  
42080 57150 44750 18908 30483 79661 08332 43634 16898 13384  
06465 56674 55523 61159 92090 56781 83107 42150 08714 12713  
43209 68615 76928 90140 55343 00933 65263 06555 63397 05342  
94704 78998 12822 71578 36038 84179 37568 93433 17817 58756  
04861 22436 19202 00000

**15623/13854/11596 kHz, 23-12/24-12, 1100/1110/1120 UTC**

11166 50046 39472 22020 02129  
43619 49099 09903 40530 00786 33604 64196 63673 48834 90185  
87902 82228 35402 86751 47612 69713 84355 00519 59686 36260  
53268 92773 87029 05250 61210 40065 97474 03868 64120 49086  
31692 81632 99318 91632 88297 15721 06421 68792 44134 88435  
49888 22254 06866 05749 85504 59171 51073 79255 21939 72222  
24955 24986 98107 36404 31444 75061 12409 77905 38477 84753  
89858 75479 30340 60373 01802 81502 41061 16635 51854 22205  
90837 64653 12872 18658 52753 42729 61895 28272 40780 93409  
18788 99458 80110 23218 58983 19772 87999 81549 62281 49254  
23971 38196 29492 99159 33789 34194 72941 88819 67726 92892  
55277 40188 54267 52396 14791 47835 73947 90686 83664 78487  
25614 15232 67743 31889 73659 24199 27204 85219 36739 64926  
92926 91256 20184 25422 85525 88576 64826 53749 44238 29752  
33984 54134 30763 05780 48489 76006 52416 14675 49977 08530  
98010 32068 26418 12460 65879 28830 84885 85810 29330 62328  
49814 13199 07542 74942 35601 28200 35604 83638 52421 81061  
24591 00504 63109 57996 08610 63601 52722 90680 27146 49523  
84879 43649 22137 30433 26397 05708 04723 47077 52600 73229  
64461 16764 25383 41975 56102 67995 14716 57623 75901 09721  
05469 64966 74400 25922 75362 17373 34381 69693 78564 42860  
03544 11459 85464 38238 93111 63525 62268 08562 58781 70636  
20210 00000

**15623/13854/11596 kHz, 30-12, 1100/1110/1120 UTC**

11166 50046 56248 30001 00049 00000 00000 00000 00000

Link 70004

**20951/18643/16314 kHz, 09-12/10-12/23-12/24-12, 1000/1010/1020 UTC**

11166 70004 71290 08002 00909  
62365 66441 63354 53520 43786 71053 75311 00996 55170 91007  
75146 80836 70098 95232 63350 55149 03551 43641 44748 33172  
98685 17843 60752 39940 80657 32748 75297 51339 22273 17906  
53796 20095 53271 87290 39722 82680 07857 04361 79923 67002  
44698 89870 94861 19803 60126 63478 90345 59032 85364 65776  
69645 74555 00401 08434 55739 60464 52137 33496 53624 19622  
78127 54870 95424 07390 07205 85755 68343 48355 38663 94714  
27433 10787 08801 73639 62624 78258 65931 72591 87282 72683  
78389 16779 13001 18377 03231 75330 85987 29513 02088 00000

Link 70048

**18039/16204/14363 kHz, 06-12, 0800/0810/0820 UTC**

11166 70048 52147 06003 00049 00000 00000 00000 00000

**18039/16204/14363 kHz, 13-12, 0800/0810/0820 UTC**

11166 70048 52147 06003 00049 00000 00000 00000 00000

**18039/16204/14363 kHz, 20-12, 0800/0810/0820 UTC**

11166 70048 29647 20041 00049 00000 00000 00000 00000

**18039/16204/14363 kHz, 27-12, 0800/0810/0820 UTC**

11166 70048 16523 27005 00049 00000 00000 00000 00000

Link 70059

**6788/5384/4454 kHz, 04-12, 0500/0510/0520 UTC**

11166 70059 32489 04019 00049 00000 00000 00000 00000

**6788/5384/4454 kHz, 18-12, 0500/0510/0520 UTC**

11166 70059 13579 18001 00049 00000 00000 00000 00000

Link 70147

**13938/12136/10314 kHz, 09-12/10-12, 0900/0910/0920 UTC**

11166 70147 28315 08071 01709

67335 23184 04678 58128 43901 03961 97470 94306 59795 97392  
92734 84902 34672 96736 04480 62872 24633 58245 60989 73296  
45040 31217 01601 03095 59055 59446 85835 70448 03966 59769  
43489 16205 70580 16656 14687 68219 51623 38571 64697 47808  
66317 82385 30575 57829 52169 38512 06825 41923 76706 42981  
75483 61750 12731 77302 75844 54204 56775 78215 66638 70866  
38013 70610 94079 68903 69848 02419 20464 81315 82772 15054  
64709 30055 07453 63342 20275 70588 95341 66132 73680 59554  
70160 83889 53759 97737 64971 46670 68324 39503 19241 18582  
18616 61305 00200 88599 04211 52465 49001 30400 42144 96901  
39009 38146 47088 23137 61641 53029 64716 24238 89154 09633  
30453 35599 32487 66650 79432 83902 77896 63590 83541 03621  
92249 08354 14435 01799 39040 58854 38946 05821 68274 24426  
24173 97547 44244 19296 40003 01440 12835 70907 86127 85268  
98567 44689 30836 89403 90588 68689 83466 81944 69404 73986  
04869 74879 44872 33097 20922 03531 32610 42771 51418 63210  
84021 46926 02102 68004 92395 25954 65358 54875 71168 00000

**16130/14363/12216 kHz, 23-12/24-12, 0900/0910/0920 UTC**

11166 70147 95783 22072 02249

68435 93108 04678 58128 44001 73985 97470 94306 50895 67316  
92734 84902 96607 46716 86511 28128 05649 61810 31407 24197  
65768 42308 62812 73739 05267 39538 79750 51368 78356 32283  
75996 23926 68059 61256 58376 33591 53717 37159 04381 15666  
25334 98123 90958 20873 38571 02746 61162 54379 29822 67578  
54225 08043 94660 23384 30182 06350 76723 36432 46455 73844  
23052 19944 98829 76040 12500 93091 98148 56557 45217 55162  
92044 10177 11777 58613 61171 52422 99853 59017 67513 04170  
05523 95517 14395 10787 63085 40441 93380 54035 19160 26181  
58790 98270 41441 58176 54967 70273 29582 08299 57309 59093  
42651 57605 87836 82194 20085 54235 42169 58863 51018 19109  
64334 38557 06442 06302 42028 53185 06436 76315 10519 90574  
37572 60970 00450 12822 88889 53727 84264 58148 99854 76644  
76649 08265 66146 38876 36645 66776 95472 68795 05370 11883  
30313 97818 44790 52808 83083 20776 38907 34849 12518 93787  
75232 86644 36792 89283 01243 14277 85472 28561 99968 01001  
70453 03786 39266 36691 84003 82671 95344 69286 08178 98869  
62446 66228 19653 99164 88241 29401 49764 79299 46019 78097  
01847 34245 39265 15568 78090 71292 70062 88370 84202 44253  
80035 80120 41860 81950 95485 28994 46366 66431 71030 45140  
08769 03137 00221 88722 74162 37527 68237 98908 70888 78759  
53430 28526 39777 31756 77977 77231 75061 96520 78126 85305  
82308 90308 72222 00000



Link 80214

**10968/7963 kHz, 07-12, 1330/1350 UTC**

11166 80214 57184 07069 00049 00000 00000 00000 00000

**10968/7963 kHz, 14-12, 1330/1350 UTC**

11166 80214 45613 14056 00049 00000 00000 00000 00000

**10968/7963 kHz, 21-12, 1330/1350 UTC**

11166 80214 59623 21264 00049 00000 00000 00000 00000

**10968/7963 kHz, 28-12, 1330/1350 UTC**

11166 80214 96574 28059 00049 00000 00000 00000 00000

Link 90073

F06a - FSK 200/1000 ASCII

A great catch by Daniel, who comments:

*There was a number of technical differences from most TX's I've heard, such as the use of lowercase in the file name, use of LF line endings instead of CRLF - both might be indicating a Unix operating system instead of DOS/Windows; different padding on the last block (303030... instead of 999999...), corrupt separator blocks, and no switching to the upper carrier after TX. The file itself contains 5FG's with the header 11100 79993 98707 06002 02919, followed by 290 5FG's, 10 groups per line.*

**13396/11123/9089 kHz, 06-12, 0700/0710/0720 UTC, FSK 200/1000 ASCII, sending an ASCII file.**

File: 0002291.tlg

11100 79993 98707 06002 02919

13050 35454 82229 10411 97517 87113 30486 68106 77290 56531  
72502 65738 71218 26946 54665 34577 83729 26929 96316 96243  
19076 11683 47173 77900 59023 97893 72328 47787 11371 97782  
20017 11783 85300 97130 32270 43407 64421 78801 20160 40019  
96581 37106 84685 21159 10836 97080 10691 34253 78591 99814  
83276 66485 98135 45604 99506 33387 14290 23560 42095 55842  
92362 38005 66003 22382 24586 93110 97067 35746 93946 88682  
33223 81026 89373 32382 57965 22197 78556 14450 10332 14161  
99839 37549 13013 91129 36236 68332 50277 87052 96337 99435  
10924 89390 86502 36670 73336 65185 59893 44363 44558 82276  
39643 92524 94474 96975 94806 12361 95698 84646 39910 98711  
65776 66147 93145 60466 24480 33423 37519 10817 29703 26954  
11741 38412 72430 58642 88306 93201 60583 36438 75725 45057  
34638 62700 29864 37000 48398 66911 37110 60286 23059 20256  
10752 37539 43679 38272 38356 63382 55226 40098 62476 48683  
68511 24907 97326 46818 21701 80527 97401 48139 46252 32458  
72778 98953 52323 99778 37352 46833 56690 64463 97119 69749  
74719 97872 97288 26144 25645 61781 71371 55744 14258 10055  
14255 29165 97381 51073 40867 67908 38475 79007 60934 41785  
93115 31564 20467 40090 78254 74930 27210 38003 39650 15083  
25292 38049 31228 40938 89831 92599 86682 94089 92655 90938  
13255 80036 32012 44123 37945 60487 13130 32107 11421 44915  
15222 66479 25689 34770 34734 90620 51980 62737 20270 57063  
78030 48320 78291 28151 60891 85650 12241 43546 66588 15496  
13583 88601 49620 41529 39088 52750 63636 40510 87666 68858  
35189 44146 84548 59959 68880 65168 21617 75439 49004 89647  
13759 17296 88616 31911 68187 64266 34152 20855 39649 99456  
79269 36847 28545 22019 90484 59055 99685 49342 84245 33831  
23891 34205 92711 79059 26145 44499 65150 83977 48259 72446

	Freq	Date	UTC	Day	Sequence
X06	14947	3-12	0800	Sun	Mazielka. Sequence: 351264. Ended at 0806 UTC
X06	12152	4-12	0835	Mon	Mazielka. Sequence: 432516
X06	14935	6-12	0816	Wed	Mazielka. Sequence: 435621
X06	14501	6-12	0818	Wed	Mazielka i.p. Sequence: 214356 Ended at 0830 UTC
X06	13530	10-12	1133	Sun	Mazielka. Sequence: 261453
X06	16115	20-12	1109	Wed	Mazielka. Sequence: 215346
X06	14650	20-12	1116	Wed	Mazielka. Sequence: 215346
X06	12177	25-12	1240	Mon	Mazielka. Sequence: 364152
X06	17470	26-12	1020	Tue	Mazielka. Sequence: 216354
X06	16116	27-12	1124	Wed	Mazielka. Sequence: 134265 with TX problems
X06	16115	28-12	1000	Thu	Mazielka. Sequence: 215346
X06	17470	28-12	1000	Thu	Mazielka. Sequence: 216354
X06	14650	28-12	1010	Thu	Mazielka. Sequence: 215346
X06	14970	28-12	1014	Thu	Mazielka. Sequence: 216354
X06	17470	28-12	1021	Thu	Mazielka. Sequence: 216354 (not in sync with 14970)
X06	14655	28-12	1024	Thu	Mazielka. Sequence: 164253
X06b	11340	1-12	0816	Fri	Mazielka i.p. Sequence: 111666
X06b	12320	4-12	1144	Mon	Mazielka. Sequence: 661616
X06b	14850	6-12	1104	Wed	Mazielka. Sequence: 215346
X06b	14650	6-12	1115	Wed	Mazielka. Sequence: 215346
X06b	12300	6-12	1119	Wed	Mazielka. Sequence: 111666
X06b	10500	6-12	1213	Wed	Mazielka i.p. Sequence: 111666. Ended 1233 UTC
X06b	12300	6-12	1233	Wed	Mazielka i.p. Sequence: 111666. Ended at 1242 UTC. Back at 1250 and off at 1258 UTC
X06b	11310	7-12	0703	Thu	Mazielka. Sequence: 111666
X06b	12320	8-12	1056	Fri	Mazielka. Sequence: 111666
X06b	12320	8-12	1211	Fri	Mazielka. Sequence: 111666
X06b	11230	12-12	1028	Tue	Mazielka i.p. Sequence: 111666. Ended at 1150 UTC
X06b	8260	27-12	0711	Wed	Mazielka. Sequence: 666666
X06b	17540	27-12	1145	Wed	Mazielka. Sequence: 666666
X06b	9811	28-12	0635	Thu	Mazielka. Sequence: 611166
X06a	9811	28-12	0817	Thu	Mazielka. Sequence: 161616
X06b	9811	28-12	0833	Thu	Mazielka. Sequence: 116661
X06b	9811	28-12	0833	Thu	Mazielka. Sequence: 563456

## XPA

*Note that the last group of a null message usually is 10140 but in December several messages had a different last group.*

### 7756/9056/10656 kHz, 04-12, 0700/0720/0740 UTC

706 706 706 000

01025 00001 00000 10140

### 7756/9056/10656 kHz, 06-12, 0700/0720/0740 UTC

706 706 706 000

06108 00001 00000 10140

**7756/9056/10656 kHz, 11-12/14-12, 0700/0720/0740 UTC**

706 706 706 1 706 706 706 1 706 706 706 1  
 02182 00113 23466 28372 87727 26539 14878 35134 38941 37440  
 18683 25839 55606 54671 87142 14301 21949 95538 44646 56191  
 63050 66902 59241 19431 12522 11527 75953 53661 61438 68380  
 19057 66987 85023 55453 52486 14685 67098 89212 42639 85976  
 21090 46755 84652 26569 02619 76357 25750 98119 95418 32282  
 65410 33332 21083 43129 95651 30811 12508 35226 38622 50751  
 73666 93666 13468 34623 16923 38221 60229 52942 08792 23993  
 75957 22580 69102 25092 48880 91572 97844 83418 43320 17683  
 85505 23976 20448 49004 48863 60421 01647 92810 81503 92180  
 62507 40800 81902 39166 42795 64634 25892 15816 47278 43865  
 89057 04058 61448 11875 57068 96859 04713 30279 55283 60042  
 11043 41152 54816 02339 13198 35327

**7756/9056/10656 kHz, 18-12/20-12, 0700/0720/0740 UTC**

706 706 706 1 706 706 706 1 706 706 706 1  
 00114 00157 80061 85872 24001 47121 93429 80212 68837 59083  
 37182 75665 35598 88600 52315 08821 20382 93831 58203 27445  
 69268 19241 86221 16226 91740 70441 63137 05819 99198 62617  
 55631 63199 07839 48980 93294 29047 64900 05279 64797 38620  
 18212 55920 15527 53921 58646 18756 66106 34179 15575 09029  
 25876 06180 83107 64616 43967 63806 89412 54645 03227 99569  
 94692 51900 06470 53502 46389 10630 73584 11949 56224 78839  
 45022 65312 61123 37889 28240 09154 01297 17535 05537 12369  
 98940 30228 05052 34891 20755 81194 19438 37535 60022 48743  
 63431 32681 99495 53278 30921 49892 16728 23262 26120 90471  
 92222 52523 11451 77080 01083 62688 02219 34725 67034 23496  
 65387 19402 43381 42429 50871 84571 84352 46690 32232 91358  
 58185 80177 62390 21028 52735 40399 92360 22354 33423 80020  
 87083 37368 64189 26285 76071 95920 74504 53776 33345 42442  
 22580 79512 96548 18270 58052 79565 57973 17273 62022 27767  
 77293 43926 92738 54058 17691 04387 50109 55059 22789 22212

**7756/9056/10656 kHz, 18-12/20-12, 0700/0720/0740 UTC**

706 706 706 000  
 02538 00001 00000 37655

**13501/11529/9325 kHz, 26-12, 1235/1240/1245 kHz**

Unscheduled transmission  
 687 687 687 000  
 03647 00001 00000 37657

**7756/9056/10656 kHz, 27-12/20-12, 0700/0720/0740 UTC**

706 706 706 000  
 06451 00001 00000 33663

**XPA2**

*Note that the last group of a null message usually is 10140 but in December several messages had a different last group.*

**13393/14493/16293 kHz, 01-12, 0700/0720/0740 UTC**

02086 00001 00000 10140

**15967/13884/12217 kHz, 01-12, 1400/1420/1440 UTC**

05415 00001 00000 00140

**15967/13884/12217 kHz, 02-12, 1400/1420/1440 UTC**

08168 00001 00000 10140

**14538/13538/12138 kHz, 03-12, 1300/1320/1340 UTC**

04770 00001 00000 10140

**10278/12178/13478 kHz, 04-12/06-12, 0800/0820/0840 UTC**

03490 00167 01685 44477 19590 48627 26483 85325 88829 99465  
03871 03563 50522 03621 66496 41800 80418 44408 91337 20928  
62040 68916 05105 30059 47697 93136 45950 35346 34499 75453  
59474 51380 99555 41570 42799 96442 23272 66988 30600 94344  
32918 77570 32108 72452 91757 05341 96867 66263 07292 90327  
29318 79251 92476 65712 49597 49955 72142 45762 92238 82923  
25558 51721 74494 11145 96641 66645 35122 03046 37359 49609  
42926 65834 47382 99299 96773 75136 13844 07685 92982 19375  
82833 08411 76603 19014 97552 01256 99453 73652 94727 10056  
35621 11832 16255 25694 63893 88531 47294 03400 20156 64455  
97277 31646 17930 62228 60721 56576 23684 05716 01141 54030  
43841 37925 99988 04542 02369 59875 78535 14978 35118 33019  
98355 19097 55613 62301 59949 52213 73307 36809 79283 69074  
75072 36745 60510 61086 73009 67842 57241 65467 54768 80859  
77146 68935 37163 30125 63737 43812 01903 17417 68094 65334  
70781 07577 83258 31196 97100 13010 23523 19418 74523 14208  
96786 89741 24074 37535 98049 86227 83109 59325 92517 30716

**14538/13538/12138 kHz, 05-12/10-12, 1300/1320/1340 UTC**

04049 00067 12225 53120 12450 02082 77332 05399 50749 60110  
20196 74254 53311 22677 04142 77416 38234 67469 84180 23776  
94165 42191 87813 45535 69465 21764 40577 56826 26110 41912  
96270 73665 72504 70767 76871 67980 05260 83959 95783 71943  
96988 21422 92681 88030 99041 16813 38989 56056 55850 92726  
24310 63097 70715 74009 80915 33004 55796 05285 44785 90906  
94703 95576 32981 55097 49275 98754 47095 45649 11720 67602

**13393/14493/16293 kHz, 08-12, 0700/0720/0740 UTC**

08807 00001 00000 10140

**15967/13884/12217 kHz, 08-12, 1400/1420/1440 UTC**

04638 00001 00000 10140

**15967/13884/12217 kHz, 09-12, 1400/1420/1440 UTC**

07688 00001 00000 10140

**10278/12178/13478 kHz, 11-12, 0800/0820/0840 UTC**

04885 00001 00000 37664

**13393/14493/16293 kHz, 12-12/15-12, 0700/0720/0740 UTC**

03827 00085 42877 23302 11800 50908 40917 48093 58713 47737  
74233 04396 85089 88775 96020 64960 08817 91080 25817 43391  
55212 57819 05309 64691 53017 01850 39542 06250 27769 88184  
49786 82933 77310 38701 26636 72189 50342 00916 12531 65217  
42282 77986 81035 20437 74839 37595 94689 90099 68681 19578  
00962 06423 92533 62223 71183 37650 37703 15883 26634 41693  
91406 39607 27554 65019 44734 73367 66015 50674 78651 40011  
31803 68174 96775 83290 56133 96205 94613 27619 72701 08738  
52890 57633 41353 64103 51870 79390 22779 76545

**14538/13538/12138 kHz, 12-12, 1300/1320/1340 UTC**

01430 00001 00000 10140

**10278/12178/13478 kHz, 13-12, 0800/0820/0840 UTC**

02797 00001 00000 40263

**15967/13884/12217 kHz, 15-12/16-12, 1400/1420/1440 UTC**

08994 00113 58202 73678 27800 23255 36784 44542 78514 88314  
43338 41781 93452 98740 83686 81859 60114 22863 73537 61833  
61515 26545 47860 06268 21471 23219 61321 03265 98366 20666  
84943 58078 56624 43639 41103 37963 51581 43310 06489 03794  
18786 85109 19137 33783 06181 66639 68114 76841 44811 60954  
62770 42030 35661 31034 43087 50912 19839 65794 62945 51842  
19553 70394 11331 40329 66807 71953 62490 32874 73674 93717  
08296 25142 66247 02019 16994 26099 75654 90357 85807 54448  
34096 06971 85240 18715 20044 63272 44565 67664 06041 35884  
28923 77474 92213 99391 62543 43186 19808 19295 35589 56891  
82130 92422 48687 96244 46880 03267 17981 29281 62009 91054  
19636 62175 02172 61004 91376 12013

**14538/13538/12138 kHz, 17-12, 1300/1320/1340 UTC**

02396 00001 00000 10140

**10278/12178/13478 kHz, 18-12/20-12, 0800/0820/0840 UTC**

09366 00183 74923 43455 13770 06680 73224 28139 93713 42126  
47321 35511 92275 94898 16440 13151 65869 00809 71399 51741  
36933 66308 48407 10055 69759 30222 20809 30186 87270 11950  
53179 49253 02223 59129 02275 40954 86701 29957 15997 00473  
61416 36540 56371 40589 80151 54853 34120 37726 55074 83908  
83849 79142 99338 92376 02864 84748 32694 25445 19713 43003  
45902 16270 89207 89429 00018 31908 43327 90446 40868 21554  
96267 85423 02671 82256 68409 83889 51301 71327 29135 65907  
33526 06882 54495 40307 45804 73610 34852 78084 01914 82618  
06898 64338 37690 96149 82779 00893 25264 64244 30214 47093  
99167 30589 18239 69720 59841 74724 91270 59759 31861 84808  
39464 05078 87464 21703 01578 01848 66505 38113 04059 19905  
98349 69793 75675 56086 77062 46094 06365 63861 02807 24690  
83562 47215 02292 59405 89576 18100 62454 31169 10928 95088  
01772 49600 76351 66772 55458 99763 54849 26721 09951 03462  
17540 04377 13262 65872 41282 65446 22465 91373 50923 09265  
26030 06982 65189 36652 63083 93643 09688 26269 82948 41602  
78802 53804 27551 95691 33055 61964 37383 61028 10524 10861  
06853 10073 48498 34531 47924 06027

**13393/14493/16293 kHz, 19-12, 0700/0720/0740 UTC**

03935 00123 67426 56846 86142 76899 58135 56132 30085 04474  
40970 40018 94030 04865 10136 40904 38857 31760 47905 08483  
59001 67619 18719 63482 54459 79372 07098 43834 86591 53870  
05747 52189 26243 00708 15792 06581 93350 16318 89883 49251  
27096 89488 54481 73451 20822 76490 61915 16250 84864 37211  
70021 06065 55828 15783 34103 71989 75673 62943 30702 77471  
84949 91483 94322 38638 54001 78185 33906 18919 55428 21638  
91040 90597 39649 00369 41574 09262 98212 18235 84020 51131  
93968 50298 55054 27597 84305 88232 36258 53318 93819 56196  
18672 31021 58676 32492 24217 76306 66310 98022 33505 87556  
18432 93061 93132 77024 89189 80881 02295 80789 52917 33959  
39114 85938 29828 12497 30730 31075 18115 29924 00486 09682  
27691 45120 63817 14309 35096 76404

**14538/13538/12138 kHz, 19-12, 1300/1320/1340 UTC**

08707 00001 00000 10140

**15967/13884/12217 kHz, 22-12, 1400/1420/1440 UTC**

07013 00001 00000 10140

**15967/13884/12217 kHz, 23-12, 1400/1420/1440 UTC**

06645 00001 00000 10140

**14538/13538/12138 kHz, 24-12, 1300/1320/1340 UTC**

02303 00001 00000 10140

**10278/12178/13478 kHz, 25-12, 0800/0820/0840 UTC**

05567 00001 00000 37263

**13393/14493/16293 kHz, 26-12, 0700/0720/0740 UTC**

08347 00001 00000 10140

**13501/11529/9325 kHz, 26-12, 1250/1255/1300 UTC**

**Unscheduled transmission**

03286 00001 00000 35263

**14538/13538/12138 kHz, 26-12/31-12, 1300/1320/1340 UTC**

02403 00083 64140 36375 28719 35064 69389 43213 72230 24407  
45790 40453 72502 26408 25469 46407 19119 70172 82714 87053  
97325 90540 66396 81606 49739 56133 07815 42337 04014 63390  
77024 30312 58940 37370 33115 31935 98322 26019 70326 96597  
16575 91857 63083 90696 37659 50128 85613 01817 98889 47643  
35498 93018 16091 41650 04849 20021 88798 44132 78087 38490  
76586 56436 15435 94655 74577 77833 09964 51856 35377 42628  
96839 22213 35656 80518 14646 87632 46339 82906 49249 63555  
56059 10993 38725 26967 86634 27740

**10278/12178/13478 kHz, 27-12, 0800/0820/0840 UTC**

09515 00001 00000 36262

**13393/14493/16293 kHz, 29-12, 0700/0720/0740 UTC**

07821 00001 00000 10140

**15967/13884/12217 kHz, 29-12, 1400/1420/1440 UTC**

04363 00001 00000 10140

**15967/13884/12217 kHz, 30-12, 1400/1420/1440 UTC**

07668 00001 00000 10140

## **F11**

**9370 kHz, 18-12/20-12, 0845/0850 UTC**

0353 0353 0353 0353 0353

88888 88888 65827 52714 98049 41622 09263 20211 04415 97110  
71687 18939 57757 07179 40719 92642 65455 56249 17864 17309  
42583 99450 59923 21599 07159 01921 97975 91921 10619 92279  
21298 13728 53182 47027 71694 14772 29864 59326 69654 88888  
88888  
00041 00041

**6807 kHz, 19-12/20-12, 1150/1155 UTC**

0325 0325 0325 0325 0325

88888 88888 51342 13394 12092 04512 75228 30284 59480 39943  
45851 16379 26480 07116 98580 47468 84173 87861 85591 30098  
72403 72257 59950 76653 79737 16608 75790 06687 46383 12467  
99577 66825 30737 97062 20279 88888 88888  
00037 00037

## ***XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)***

Logged on 30-12 at 1747 UTC. Mode QPSK 1500Bd.

Operates 24/7 on 4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8588, 8703.5 kHz

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## ***DIPLOMATIC STATIONS***

### ***North Korean diplomatic stations***

#### **Logs:**

13333 kHz, 04-12, 0839 UTC

12850 kHz, 06-12, 1249 UTC

16085 kHz, 20-12, 0817 UTC

12222 kHz, 20-12, 1310 UTC

12222 kHz, 26-12, 0821 UTC

13555 kHz, 26-12, 0823 UTC

13555 kHz, 31-12, 1341 UTC

### ***Egyptian diplomatic stations***

**12223.7 kHz, 05-12, 1423 UTC, SITOR-A 100/170**

Egyptian diplo i.p. Ends with: KDHQ ODS KDKPKPSR LDK KDKTHSKCSR HUXD +?

**14506.7 kHz, 07-12, 1421 UTC, SITOR-A 100/170**

MFA Cairo and Embassy Algiers setting up link

**14505 kHz, 07-12, 1422 UTC, 80bd Codan chirp**

MFA Cairo (99904) and Embassy Algiers (1) setting up link

**12126.7 kHz, 20-12, 1318 UTC, SITOR-A 100/170**

MFA Cairo msg for OOVP: Egyptian embassy, Islamabad

**9006.7 kHz, 20-12, 2205 UTC, SITOR-A 100/170**

71: MFA/military Intelligence Cairo msg to Egyptian embassy, Washington

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## ***UTILITY ROUND-UP***

### ***Japanese Air Force***

**5775 kHz, 16-12, 0743 UTC, Japanese Air Force, Tokyo i.p.**

VVV JJT88 VVV JJT88 VA

### ***Jammers***

Ethiopian is jamming the transmissions of the Voice of the Broad Masses of Eritrea on 7140, 7180, 7181 kHz

China is jamming the Sound of Hope from Taiwan daily on 18080 kHz

Vietnamese siren jammer, jamming Radio Free Asia on 13735 kHz

## Unid stations

4508 kHz, 28-11, 1640 UTC, USB      Unid marker 1 to 5 dots  
 4501 kHz, 17-12, 0845 UTC, USB      Unid marker 1 to 5 dots. Same marker as above

I recently found two recordings from Ray that I mentioned before. In 2010 to be more precise. I never found out what or who it was. If you have any idea please let us know.

03-02, 1921 UTC, Polytone/DTMF station  
 7364 kHz, 04-02-2010, Polytone/DTMF station  
 9810 kHz, 17-02-2010, 0030 UTC, Polytone/DTMF station

The station was on the air for weeks in a row.

Recordings:

<http://www.numbersoddities.nl/Unid-polytone-2010-02-03-1921utc.mp3>

<http://www.numbersoddities.nl/Unid-polytone-2010-02-17.mp3>

## JCS Foxtrot Messages & Emergency Action Messages

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

**Frequencies: 4724, 6712, 6739, 8992, 11175, 13200, 15016 kHz**

date	utc	callsign	details
01-12	0317	Art Show	Skyking msg: Led Zeppelin Time 17 Auth MO
01-12	0628	Art Show	30 chr EAM DGB545 3HRAIRPNNLORDWES7U2B3QTO
01-12	0655	Art Show	30 chr EAM DG2BPF GP6LEFD3SVZ3RQ6XUHERHAEZ
01-12	0723	Art Show	30 chr EAM DPGQQB 3RAG4MEDB7UO7VLHZUIDG3ID
01-12	0726	Art Show	30 chr EAM DGWWLO VXMUCJU26PXWH3SB5PF5GKUO
01-12	0730	Art Show	Skyking msg: Led Zeppelin Time 30 Auth NZ
01-12	0745	Art Show	30 chr EAM DGFUO4 TVLQWRIKCX3T4ISYFTHRG5F5
01-12	0752	Art Show	30 chr EAM DG26AR WQDWC4XNSPR6OTIWQSCT5LDO
01-12	1549	Art Show	148 chr EAM IRTGUQ V2JOFINIWAVELNDDE6DJ2ER7NNXBPOOT25VTWWWOXNTC3MDOOCK3YYJGF6JJJRT4WEVGP WWC3R66FWHZFCCCYHKI7HCWSS4X3TTSZFJSNNN652L77XWPPMKQTJTJOKEJ555O23I2GABKRE (announced 149 chr)
01-12	1558	Art Show	48 chr EAM IRFTTW PVLUMPIE75GSOGCZZ7RHQE5HRBB6KBDGLLLL5LX76
01-12	1620	Art Show	148 chr EAM IRTGUQ V2JOFINIWAVELNDDE6DJ2ER7NNXBPOOT25VTWWWOXNTC3MDOOCK3YYJGF6JJJRT4WEVGP WWC3R66FWHZFCCCYHKI7HCWSS4X3TTSZFJSNNN652L77XWPPMKQTJTJOKEJ555O23I2GABKRE
01-12	1633	Art Show	This is Art Show standing by for traffic
01-12	1730	Art Show	148 chr EAM IRTGUQ V2JOFINIWAVELNDDE6DJ2ER7NNXBPOOT25VTWWWOXNTC3MDOOCK3YYJGF6JJJRT4WEVGP WWC3R66FWHZFCCCYHKI7HCWSS4X3TTSZFJSNNN652L77XWPPMKQTJTJOKEJ555O23I2GABKRE
01-12	1801	Art Show	30 chr EAM DGPNXC DLF77UBM4UXUGZFUOUYR7NJ7
01-12	1803	Art Show	30 chr EAM for Flout-01 FIFRDA 3EQ2FEERNDDEETVD6PVBMMWYWC
01-12	1806	Art Show	30 chr EAM DG66XB SQFRLVWEOBWAIGU2GNEZG63R
01-12	1809	Art Show	30 chr EAM DGASDA CRNTM7D36IXAYBU6BURNBTFQ
01-12	1811	Art Show	148 chr EAM IRTGUQ V2JOFINIWAVELNDDE6DJ2ER7NNXBPOOT25VTWWWOXNTC3MDOOCK3YYJGF6JJJRT4WEVGP WWC3R66FWHZFCCCYHKI7HCWSS4X3TTSZFJSNNN652L77XWPPMKQTJTJOKEJ555O23I2GABKRE
01-12	1830	Art Show	30 chr EAM DGASDA CRNTM7D36IXAYBU6BURNBTFQ
01-12	1832	Art Show	30 chr EAM DGGKT2 G4MO6ST6H3FTWTKYNSE7HXIK
01-12	1834	Art Show	30 chr EAM DG66XB SQFRLVWEOBWAIGU2GNEZG63R
01-12	1836	Art Show	30 chr EAM DGPNXC DLF77UBM4UXUGZFUOUYR7NJ7
01-12	1845	Art Show	30 chr EAM DG7DSY 5CR25N6HV5IJEIRAPU7FKAY4
01-12	1847	Art Show	30 chr EAM DG7DSY 5CR25N6HV5IJEIRAPU7FKAY4
01-12	1900	Art Show	30 chr EAM DGASDA CRNTM7D36IXAYBU6BURNBTFQ



01-12	1902	Art Show	30 chr EAM DG66XB SQFRLVWEOBWAIGU2GNEZG63R
01-12	1904	Art Show	30 chr EAM DGPNCX DLF77UBM4UXUGZFUOUYR7NJ7
01-12	2034	Art Show	30 chr EAM for Celtic-01 FINGZK ED3IFOPWK2CH5KAX72T7SNG5
01-12	2106	Art Show	30 chr EAM DGJYOX QPPP7ZGHHXNP4JTVUHCBA4JEE
02-12	0016	Outbreak	Communications test 1234554321
02-12	0416	Associate	Skyking msg: Heartbreaker Time 46 Auth VD
03-12	0605	Best Idea	30 chr EAM DGICXZ XFIIGOA4W4ZJ2LO3RYNLPAYZ
03-12	0615	Best Idea	30 chr EAM DGVZBD SOBRE3RPGXOKSZ6BLZPERFXW
03-12	1803	Best Idea	30 chr EAM for Bipod-13 FIJWBC LHHISX2SIYZLC7IXEFJLL6OJ
03-12	1834	Best Idea	30 chr EAM DGX4RA BPAYKDGNN2HN5TW234ZE32FM
03-12	2044	Best Idea	30 chr EAM DG3N6U QENI3FOUVH6ZYVFU7DFU3APL
03-12	2047	Best Idea	30 chr EAM for Second-13 FIXMEM PVH7IM5UBPJE5M36PP3ZJM2F
03-12	2052	Best Idea	30 chr EAM for Second-13 FIXMEM PVH7IM5UBPJE5M36PP3ZJM2F
03-12	2057	Best Idea	30 chr EAM DGXVMC 43QON6ZXOBQVZZLQNXZSFXJV
03-12	2100	Best Idea	30 chr EAM for Second-13 FIXMEM PVH7IM5UBPJE5M36PP3ZJM2F
03-12	2117	Best Idea	30 chr EAM DG6IDX D3KTT5XJ4JIV4KM3DI26HVTC
04-12	0102	Long Hand	Skyking msg: Quarterback Time 02 Auth II
04-12	0145	Long Hand	Skyking msg: Roses Time 45 Auth IS disregard this transmission
04-12	0146	Long Hand	Skyking msg: Heartbreakers Time 46 Auth GO
04-12	0333	Long Hand	Skyking msg: Hatchback Time 33 Auth WL
04-12	0733	Long Hand	30 chr EAM DGLE4W I6V7ZP5RCI4MLU6RTXVHZQLB
04-12	0750	Long Hand	30 chr EAM DGGLYT S3JXCAEIZGQGDASJ624625V
04-12	0759	Long Hand	30 chr EAM DGEZWP LFIS42RHIUC3P232YBUY3YTL
04-12	0803	Long Hand	30 chr EAM DG67HF U4ZPSKN6T2CBNVPOSZUIR2CW
04-12	0812	Long Hand	30 chr EAM DGHYOH WJHL26VZGMSOULHXGJAFZIB
04-12	0821	Long Hand	Skyking msg: Bush Time 21 Auth UH
04-12	0822	Long Hand	30 chr EAM DGTPYB 3ZEV54X6JX37EJ4GVOLW452X
04-12	1703	Long Hand	30 chr EAM for Stupa-19 FIGOND F7NIWXYK5UREP6SAWN5ARTVV
04-12	1733	Long Hand	30 chr EAM DGUGIL 2BZTNSDYOWQCGSI5Q77EE53L
04-12	2133	Long Hand	30 chr EAM DGAOYS FXZY5DKPVZBUP43TLERXUIFG
04-12	2233	Long Hand	30 chr EAM DGTOHJ KQVMYIBYTXQEKKNSJQGLMKEJ
05-12	0133	Boot Jack	30 chr EAM DGWD4C LVMBJO3VXJYJCC5GO62VGUW7
05-12	0701	Boot Jack	30 chr EAM DG4366 5G3TP3IR65BHVNS2T2E3OOWI
05-12	1451	Boot Jack	30 chr EAM DGIAMI 7JUJEQ4HFSLVH53T4AG5Y5JU
05-12	1555	Boot Jack	30 chr EAM FIYHJ5 ZGUORJRFNN4HTQYIPE475MG6
05-12	1610	Boot Jack	30 chr EAM DGGZHP R6A5DK2VWBGJ7NZRJ5CZY25P
05-12	1615	Boot Jack	30 chr EAM DGMLN MH3FIN66MFRQIRLQ2NZ6333
05-12	1629	Boot Jack	30 chr EAM FIKX2W T7C7WEFOE5YKXBHR5N5UFHQ
05-12	1635	Boot Jack	30 chr EAM DGZRUU YLYFSQCGQPFYLN8I755THNT
05-12	2110	Boot Jack	30 chr EAM DGQYLV BY4PTVDLY3LTCBB6TWHNGKGP
05-12	2130	Boot Jack	30 chr EAM DGPUYU UB574GSLH27TC2YLLDL5XXUQ
05-12	2133	Boot Jack	30 chr EAM DGZMYS JFCFLRB6VF6RS5WGWKBLQUUZ
05-12	2141	Boot Jack	30 chr EAM DG5UYU F5V4RYHZUFKTRQGGGFAP7C3Z
06-12	0047	Lion Hunt	30 chr EAM DG5TEZ 6HCGPNQO7VYIXTLZEO3K3OI6
06-12	0241	Lion Hunt	30 chr EAM FIOSSW EIEKCL7YGIIXT4PCMMNVL3E3
06-12	0248	Lion Hunt	30 chr EAM FIBEQD 43IJO56FSM6ME7B7JOQWKF3A
06-12	0259	Lion Hunt	30 chr EAM DGYI5K 3PVSJTYZBX7HH77HDMXMNJDH
06-12	0317	Lion Hunt	30 chr EAM DG3JXJ 5ZXXWB66G4ICQOJVL5HF3KW2
06-12	0701	Lion Hunt	30 chr EAM DGRJPJ 3MBZ3HQFKZ6DW42VKFO2RPNU
06-12	0722	Lion Hunt	30 chr EAM DGWYWP RJT4ZAWXA7DGBTA5JRYIRC6K
06-12	0732	Lion Hunt	30 chr EAM DGFE4 B7KNUG3LBZQDIH6OEZVWWLTY
06-12	0823	Lion Hunt	30 chr EAM DGTXHK MJ2SS6HHG53JAOU5YWSWT2QM
06-12	0827	Lion Hunt	30 chr EAM DGPWZM 3OIG2LAC3TMT5OC6UCEAP6XP
06-12	1719	Lion Hunt	30 chr EAM DGHFOX 4SL3GTXNVZIM6BEMBOD23MXZ
06-12	1723	Lion Hunt	30 chr EAM DGHFOX 4SL3GTXNVZIM6BEMBOD23MXZ
06-12	1824	Lion Hunt	109 chr EAM EG7NSJ QJNQWME3O2P4LNEN4M4RWQ6JVG4KXLLNWZ5N5OSBNREVT7IRM6ZO4JBSCZJECUKNYG56I2 AOUYOGRGRUJGECT7EN7777USIMGWOQ7Q
06-12	1832	Lion Hunt	109 chr EAM EG7NSJ QJNQWME3O2P4LNEN4M4RWQ6JVG4KXLLNWZ5N5OSBNREVT7IRM6ZO4JBSCZJECUKNYG56I2

			AOUYOGGRGRUJGECT7EN7777USIMGWQ7Q
06-12	1917	Lion Hunt	30 chr EAM DGVAVP OYJP73VPL5IWEBY56Z3FITSI
07-12	0152	Overlord	43 chr EAM FIC6ON XIQJYS5TEPZGJ7JZO3PEXSGJBPWKWZB67WPE
07-12	0201	Overlord	40 chr EAM FIDR2B ZZQCHOC5ONWPLAFSHFDGZCNQXR5LNLHTRK
07-12	0211	Overlord	36 chr EAM FIQTYL NFC6BOM3WW3FKFMQ7CFAJXJOZI3IB6
07-12	0258	Overlord	30 chr EAM DGRUSQ NYVKK4RRZWR5JUWZSNOIKOVN
07-12	0301	Overlord	40 chr EAM FIDR2B disregard this transmission
07-12	0303	Overlord	30 chr EAM DGOSUB ORX5HPEF3H2ZRUHKXKPMIAIOC
07-12	0307	Overlord	40 chr EAM FIDR2B ZZQCHOC5ONWPLAFSHFDGZCNQXR5LNLHTRK
07-12	0311	Overlord	36 chr EAM FIQTYL NFC6BOM3WW3FKFMQ7CFAJXJOZI3IB6
07-12	0317	Overlord	30 chr EAM FIFFTY OSNRTUDYA6DK2LYFY225YZLN
07-12	0322	Overlord	30 chr EAM DGV7UB U3LWVOIDCEL7DIGCL4IE5H5R
07-12	0331	Overlord	30 chr EAM FIQTYL disregard this transmission
07-12	0332	Overlord	30 chr EAM FIQTYL disregard this transmission
07-12	0336	Overlord	36 chr EAM FIQTYL NFC6BOM3WW3FKFMQ7CFAJXJOZI3IB6
07-12	0339	Overlord	40 chr EAM FIDR2B ZZQCHOC5ONWPLAFSHFDGZCNQXR5LNLHTRK
07-12	0347	Overlord	Skyking msg: Van Halen Time 47 Auth IS
07-12	0354	Overlord	30 chr EAM DGEQ6V MUSOSUYVDNLPIYGLGCMQ76HJ
07-12	0356	Overlord	Skyking msg: Heart Breakers Time 56 Auth WP
07-12	0404	Overlord	Skyking msg: The Cars Time 04 Auth CL
07-12	0415	Overlord	Skyking msg: Savage Time 15 Auth WU
07-12	0502	Overlord	Skyking msg: Heartbreakers Time 02 Auth CT
07-12	0354	Overlord	30 chr EAM DGKEI3 SP3F4YB72CLXE3M6CVFTE3C6
07-12	1247	Overlord	30 chr EAM for Tolltech FIDS15 JGB5VJYM43S4WT3TUSKSZ773
07-12	1307	Overlord	30 chr EAM for Tolltech FIWB2G NHDT5SJXGXWNP5X64KRRPVWP
07-12	1327	Overlord	30 chr EAM for Tolltech FIMBVQ ZE3UL7GU4SMQZUVX5C6ZVXGP
07-12	1342	Overlord	30 chr EAM DGI3UX 7C2DCDUGKUJ4RI3DO3CV3BZ7
07-12	1437	Overlord	30 chr EAM DGINXE O2UMKG2UAG7BIS5JUTXD76Z6
07-12	1440	Overlord	30 chr EAM DG2ORL IM3HJW3LXOKB2BTGKD3WHDNG
07-12	1453	Overlord	30 chr EAM DG6EPF FDCJYWFMYV34ICBA6ODKTSR
07-12	1539	Overlord	30 chr EAM FIMASE OV54KOSHV7GU6FEHNYIGDBGK
07-12	1632	Overlord	30 chr EAM FIA5N2 HPCIAMZC7RRSZERKKNZRHNK2
07-12	1635	Overlord	30 chr EAM DGT362 disregard this message
07-12	1638	Overlord	30 chr EAM DGT362 VAI2L7JMBDGAJKTET3NWFKNU
07-12	1946	Overlord	30 chr EAM DGO27J E6ZMVZCZPI4P6IVKXYBZBKBG
07-12	2010	Overlord	30 chr EAM DGLGYC disregard this transmission
07-12	2014	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
07-12	2059	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
07-12	2129	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
07-12	2133	Overlord	30 chr EAM DGZXAN UF6DRTKHDLHWSE6GXBNKPY6
07-12	2136	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
07-12	2200	Overlord	30 chr EAM DGMJR4 IA2Q47HCMJAI7RU5MA7CP5MA
07-12	2203	Overlord	30 chr EAM DG5ZN6 NVWAL6H2M3U5OJC7TWWCPGLT
07-12	2206	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
07-12	2209	Overlord	30 chr EAM Standing by for traffic
07-12	2230	Overlord	30 chr EAM DGLGYC someone is yelling in the background. Then: disregard this transmission
07-12	2232	Overlord	30 chr EAM DGTAUL QXPOZVRTTUKXJPGJGZ4QDL6T
07-12	2235	Overlord	30 chr EAM DGZTUK QZDV5YIYKH3AXTX6SPWQJ5VO
07-12	2238	Overlord	30 chr EAM DGP3DH 7L47LLT4HVCFBGNSIMXOYWMT
07-12	2240	Overlord	30 chr EAM DGNFIF 5DTD57S7F77CP7FPZ6CS2MOJ
07-12	2300	Overlord	30 chr EAM DGLGYC disregard this transmission
07-12	2302	Overlord	30 chr EAM DGLGYC IDYV3FOPUXJDMUJIVQUU5JW7
08-12	0749	Conclave	30 chr EAM FITFD3 DYTPVAJGMD7PKSZ22CPNUKCO
08-12	0800	Conclave	30 chr EAM DGQLCW 4C7T5WSJRX2TGI3WQHFRABHG
08-12	0802	Conclave	30 chr EAM DGW6BG ALQUBFFZR2MW4XVIRNJZMY42
08-12	1404	Conclave	30 chr EAM DGA5N5 HO2IR2DXLLIBUFF2JAAHZFKA
08-12	1411	Conclave	30 chr EAM DGC3OG PJI3XSEHVRFB7H4D552NO4HV
08-12	1522	Conclave	30 chr EAM for Molin FI#KT6X2HF#QNCS#I Repeat: for Molin F#NLR6Z2CKT6HFJQNCS7K6I
08-12	1531	Conclave	30 chr EAM for Dispute FIYEK3 D37RKPTU6Z3NJOYDEFG4W6ZK
08-12	1541	Conclave	30 chr EAM for Molin FIN33G ITMZHOPLSVOK3QZBIXFOSGR2D4

08-12	1553	Conclave	30 chr EAM for Dispute FIQ2AA S6SY6Q3VMOMVRTIVD2DVJJ5K
08-12	1610	Conclave	30 chr EAM for Dispute FIJX7Z GOTIMLZNQDXO67Z7JTFPCSXZ
08-12	1638	Conclave	48 chr EAM EGCOLO ZZNCTTWWHMTLDSF5HF36EGEEANN2PND745555N5BJX
08-12	1646	Conclave	125 chr EAM EGW75B SDO2PRZXWAK3N3F5PQ6I2LTMHHU3V77LQX3LFFFOGSCIDWRZZ4OBPPWK3LW222YZGEO4FHZ Z2JVLL4XQS4VVVBCGJ52WGLLE3YEEBGXQBKKK26OCY6QN6LD
08-12	1726	Conclave	30 chr EAM DGTWGM IAICEC4U7D7WL74ZIXQ3NVOI
08-12	1740	Conclave	30 chr EAM DGKIL7 TEJGEDXSMR3LIE6PHFMLK4UE
08-12	1809	Conclave	48 chr EAM EGCOLO ZZNCTTWWHMTLDSF5HF36EGEEANN2PND745555N5BJX
08-12	1818	Conclave	30 chr EAM DGBYAI 3SAMMPTN7PPP2GKZN2FEFO7B
08-12	1821	Conclave	30 chr EAM DGPSEY POQAF4P5FVVCGBPTAP6CUIDD
08-12	1825	Conclave	30 chr EAM DGDEMC D6JXNYYBIWDKAPA22QLPV5QA
08-12	1830	Conclave	125 chr EAM EGW75B disregard this transmission
08-12	1833	Conclave	30 chr EAM for Molin FINSJS VAXY4XPWSP6SGYFFL7AKDX7P
08-12	1836	Conclave	125 chr EAM EGW75B SDO2PRZXWAK3N3F5PQ6I2LTMHHU3V77LQX3LFFFOGSCIDWRZZ4OBPPWK3LW222YZGEO4FHZ Z2JVLL4XQS4VVVBCGJ52WGLLE3YEEBGXQBKKK26OCY6QN6LD
08-12	1844	Conclave	48 chr EAM EGCOLO ZZNCTTWWHMTLDSF5HF36EGEEANN2PND745555N5BJX
08-12	1849	Conclave	30 chr EAM for Dispute FITE65 S6TLGJQGUHEQCWGTJPLUSB25
08-12	2049	Conclave	30 chr EAM for Miner-43 FIJYUP SP3HFPKQSMJTHXM5TCCJCLKM
08-12	2119	Conclave	30 chr EAM DGRPZF LZDXMEXT2UBIRLHXZHSR4P63
08-12	2304	Conclave	30 chr EAM DGCCWE P7BJ3PACXEMQHCJCTVOG73MY
09-12	0028	Happy Day	30 chr EAM FIUBBY PPXTWL7K3CQUTQK66RX32X53
09-12	0039	Happy Day	30 chr EAM DGEM45 XQBAQIWAYBXW6XLYHXG6UVYW
09-12	0045	Happy Day	30 chr EAM DG3PN2 366O3KJTRK2FXNCKCKJXVYMO
09-12	0056	Happy Day	30 chr EAM FI2ZSB JNK426Y5LBZUH4OE5WQ5WLYH
09-12	0059	Happy Day	30 chr EAM DGWR72 WRKIOGDEVRI765X2ZGDJJHGK
09-12	0103	Happy Day	30 chr EAM FIORNW 7H3ARVV7DAT2NGX566X5ELHC
09-12	0110	Happy Day	30 chr EAM DGJ6VI 4X4DKF3JF33WTGXZ4BC7E3CF
09-12	0114	Happy Day	30 chr EAM DGF14F MSFKAA4AQHOLJQN6SNME7G4I
09-12	0405	Happy Day	Skyking msg: The Cars Time 05 Auth TR
09-12	0430	Happy Day	Skyking msg: Seven Time 30 Auth YX
09-12	0750	Happy Day	30 chr EAM DGAIRY LSZCE4L4UCWVUV3GYOWS43IA
09-12	0753	Happy Day	30 chr EAM DGWXQI QLDFQHJNZM3TBGK6SHBMDWMI
09-12	1325	Happy Day	30 chr EAM DGX2K5 YB4K74DTQZDX5QV4PP7N73RW
09-12	1517	Happy Day	30 chr EAM DGHPDW KOQVTQHMB2USZJ6DELOY2D7G
09-12	1520	Happy Day	30 chr EAM DGY72D R2HV65G37ZUVHDEHVUACTXU
09-12	1831	Happy Day	30 chr EAM for Soto-41 FIBHIA G2RMITEGJ4LNA4HEA7XNTSZB
09-12	2117	Happy Day	30 chr EAM DGH2DP M46IBRTOLPP4W33KOFJ56UDK
10-12	0702	Sea Bass	30 chr EAM FXMMDY YEEZE2SYIFB7VXOCGJ2B66AC
10-12	0808	Sea Bass	30 chr EAM FXSXAK T4X67C2CABXKMINLKCIZ7HIF
10-12	0936	Sea Bass	Skyking msg: Lynyrd Time 36 Auth NT
10-12	1004	Sea Bass	Skyking msg: Kiss Time 04 Auth TK
10-12	1833	Sea Bass	30 chr EAM FXBGN7 X5LX4NWSTD6HZ6X4D2IQWBO7
10-12	2213	Sea Bass	30 chr EAM FXBTI1 IGTSDGT2DEH6P422MMVVBP6M
10-12	2223	Sea Bass	30 chr EAM FXUKQD XYH3ELYBK2IIMXTTRAB44VOQ
10-12	2226	Sea Bass	30 chr EAM FXUKQD XYH3ELYBK2IIMXTTRAB44VOQ
10-12	2334	Sea Bass	30 chr EAM FXCJEV LNKST5TZSXEDSOQFCHMZRIQIP
10-12	2345	Sea Bass	30 chr EAM FXQPA3 FKXD6LBDNRNT3PSEVT77PEHFU
10-12	2348	Sea Bass	30 chr EAM FX466Q WFAOBROQD65A2P62OT32UPC7
11-12	1302	Magnavox	30 chr EAM for Ramify FI6ADG BMMX5YDPXNQ63ZDF7HBXTBUM
11-12	1317	Magnavox	30 chr EAM for Ramify FIO23F XHV4V7WBJWL524D6SFAT4YFY
11-12	1339	Magnavox	30 chr EAM for Ramify FIS6EN NXQ74RNNIYL7XPGLQD5GWKLS
11-12	1350	Magnavox	80 chr EAM FIO452 77BS65Y2SATFCTALX4HGQTIE57LI7X6RTNI2RDHHXZRCCKQSUSWXZ3T4E57LI7XNCT6I2RDHHB disregard this transmission
11-12	1354	Magnavox	80 chr EAM FIO452 77BS65Y2SATFCTALX4HGQTIE57LI7X6RTNI2RDHHXZRCCKQSUSWXZ3T4E57LI7XNCT6I2RDHHB
11-12	1502	Magnavox	102 chr EAM EGMMFB XPUTY- VUU52TF2HSIMGQVJHPKNDYC76YNKDII6VZV7XTVQFZWENJCCVKGJX2L3TCUYVPEQYOYOBK44

			KCRADDDGLWXD2ED5X
11-12	1630	Magnavox	30 chr EAM for Ramify FIMODY TOJ4PZQI5O6SGOERAADD4MQY
11-12	1634	Magnavox	30 chr EAM FXYDOZ 2POGD2HULXNCIRZGWDFIXII7
11-12	1637	Magnavox	30 chr EAM FXAIV5 DNXR3XB2OVFSVCB5BBZI5YL
11-12	1708	Magnavox	30 chr EAM for Ramify FIEXVT RWYKRLYWYO6PLJEOXOB2YGEP
11-12	1743	Magnavox	30 chr EAM for Ramify FIVCGV NIW6PTCVZB4D4GR7PBVWGEGO
11-12	1817	Magnavox	36 chr EAM FI7O4G MQ7237FBLMAITAP5WDPULM6SSTBHIJ
11-12	2043	Magnavox	30 chr EAM FXOYX2 J6RTO36PHRCFWXIRODJJIAUG
11-12	2047	Magnavox	30 chr EAM FXAWDM VC2JOQCPP3YTTRO47KLAWW4A
11-12	2103	Magnavox	30 chr EAM FX5OCK 2PKLWW7Y6HGIUDEJTHSZ5IKJ
11-12	2158	Magnavox	30 chr EAM FXVTSV 4K2C5GCJ4H7BR5TIOVN6DSCJ
12-12	0037	Waistcoat	30 chr EAM FXNEJZ VQTCU7D73CQKEZNQLOPN6AX4
12-12	0124	Waistcoat	Skyking msg: The Birds Time 24 Auth HV
12-12	0126	Waistcoat	Waistcoat clg Millbench
12-12	0129	Waistcoat	Millbench this is Waistcoat I request you to authenticate Alpha Charlie Echo
12-12	0131	Waistcoat	Millbench I authenticate Delta India Alpha with Delta. This corrects your action event. Time 0131. Over
12-12	0230	Waistcoat	Skyking msg: Kinks Time 30 Auth CM
12-12	0424	Waistcoat	Skyking msg: Kinks Time 27 Auth TV disregard transmission
12-12	0428	Waistcoat	Skyking msg: Kinks Time 28 Auth EJ
12-12	0751	Waistcoat	30 chr EAM FXTL55 55V7C4T3H6M74SPGWDVP5PON
12-12	0754	Waistcoat	30 chr EAM FXYWQQ O5FJBBXZAYOECJJWIZG552E7
12-12	0804	Waistcoat	30 chr EAM FXMPWV I2FEX7UEDXVGD4GX6GT4NDNA
12-12	0823	Waistcoat	30 chr EAM FX42DC LYVAOD4XPYTKS2KB4UPROEQ2
12-12	0825	Waistcoat	30 chr EAM FX67TT 7RWVCBK36N2NDTXSURXU7GGF
12-12	1030	Offutt	Skyking msg: Sushi Time 30 Auth YX
12-12	1435	Waistcoat	65 chr EAM FIGH2O disregard this transmission
12-12	1436	Waistcoat	65 chr EAM FIJH2O disregard this transmission
12-12	1440	Waistcoat	65 chr EAM FIJH2O N6TZ2N7J27CJXEMWZRUGHQGCLGC35WAAGFWAASFVAA2FWAAZFWAAKFWAAEX
12-12	1554	Waistcoat	52 chr EAM FINQDR OP7UPWDT7VMASQERPB6G3BEYQEHBK3ERP46YUDHMGD2JLN
12-12	1622	Waistcoat	30 chr EAM FIP5AE SK736UNL6J6JMA2K4ZOM636
12-12	1638	Waistcoat	30 chr EAM FXIBG3 O4UXCX4XV4GD4C3A3YHCB6HE
12-12	1642	Waistcoat	30 chr EAM FXFMFXP disregard this transmission
12-12	1643	Waistcoat	30 chr EAM FXFMXP RHKSWBLWWPTKNQPFQMHYJRA
12-12	1705	Waistcoat	30 chr EAM FIBWSO A4J3D5WVNS64GT3PAMA4CDGE
12-12	1832	Waistcoat	30 chr EAM FXXQO4 WUYNXEKWIL4DUGLGE7HHQ2L
12-12	2204	Waistcoat	30 chr EAM FX73YO UYDAHFFXYSPJHQZUIZ3I4CEG
12-12	2211	Waistcoat	112 chr EAM FIJU43 YRP2VVOU7ZJHSH2YXCXH4A757AJ5WP2YXZXMA5274VWWP2YXCXANA7LRLYMX6GCCB57AJ5 W6H4AD274VWW6MWA7LRLYMX6MLAD57AJ5WM
12-12	2253	Waistcoat	30 chr EAM FXAQQN RKEXSFDHB4XCSEHHWQ4BDRKAH
12-12	2258	Waistcoat	30 chr EAM FXAQQN RKEXSFDHB4XCSEHHWQ4BDRKAH
13-12	0036	Outnumber	Outnumber clg Mainsail for a communications test
13-12	0105	Sky Chief	30 chr EAM FXRCMM 5M6ONDURSGAIQVPKGHGFVGBX
13-12	0108	Sky Chief	30 chr EAM FXBEUV SYLHWVCSXVRD5646FK5GXWBA
13-12	0802	Sky Chief	30 chr EAM FX4PZZ ROWRRCPLY5CH7OKGIIEVAEM
13-12	0814	Sky Chief	30 chr EAM FX3G3C NJAUY23BIHKRJMHQD6KCDZWR
13-12	1559	Sky Chief	30 chr EAM FX6FH3 QQJZORRIF4J7MBEHF57OGUVL
13-12	1603	Sky Chief	30 chr EAM FX6FH3 QQJZORRIF4J7MBEHF57OGUVL
13-12	1606	Sky Chief	30 chr EAM FXWWNT P5KOM4UNY2XTG5PGUKSFCDHJ
13-12	1945	Sky Chief	30 chr EAM FXSFRV Q6NTTCZCF3OW7CCVIPLWPCKI
13-12	2003	Sky Chief	30 chr EAM FXCTIK RTUDM6JI6SK4ZLEB66C25KK6
13-12	2117	Sky Chief	30 chr EAM FIVN3Z SXFTEBOADCLAH25EGVEVXNYY
13-12	2127	Sky Chief	30 chr EAM FX6DXL UEKJJB4BAZ56QA7BMHLHQACK
13-12	2131	Sky Chief	30 chr EAM FX4VV3 K26TB7CD4YOORUV6KWWZECA6
13-12	2150	Sky Chief	30 chr EAM FX2UYC 27433JW4TPLV5EBKKM3BRKFY
13-12	2154	Sky Chief	30 chr EAM FXE7TH EYZ2B26YD2IRBZEGBZEL25KM
13-12	2158	Sky Chief	30 chr EAM FXT6SX A6NWUQL4ZSBJHU4HHPZE23UL
14-12	0035	Black Fly	Skyking msg: The Birds Time 35 Auth TM



14-12	0051	Black Fly	Skyking msg: Led Zeppelin Time 51 Auth QL
14-12	1307	Black Fly	30 chr EAM FXJ7OD HQR5RNJYZTSVYRI72YR6TBRD
14-12	1337	Black Fly	30 chr EAM FXNNEB LN3PQNI7TS4W5Z2MAR2JVFOZ
14-12	1345	Black Fly	30 chr EAM FXMZYH QQECTOAAERW57QS3XDMIXN5X
13-12	1918	Sky Chief	30 chr EAM FIYDQD ZFIWUW5HMMW6Z64VGD7HFAARN
13-12	1942	Sky Chief	30 chr EAM FIER57 574ZJQ55I5LYXMNTK5HRGUE2
13-12	2203	Sky Chief	30 chr EAM FXF23N 5DP7RGSCPC26XMQPOJEKGVOM
15-12	0604	Cutty Sark	30 chr EAM FXZNWH AU53MRCPKVKVBTGRJ3WOZ4D
15-12	0607	Cutty Sark	30 chr EAM FXZNWH AU53MRCPKTKVBTGRJ3WOZ4D
15-12	1414	Cutty Sark	30 chr EAM FXPSL6 TC5Q5G3QRJXZYURRCL6NORPV
15-12	1442	Cutty Sark	FX4N2O (nothing further)
15-12	1604	Cutty Sark	30 chr EAM FIPIFC LLL6MNUOTAIJNAJK7K4NGKJK
15-12	1623	Cutty Sark	30 chr EAM FXQLC2 3F64FIE6P7ONNHSATEQJGBLW
15-12	1626	Cutty Sark	30 chr EAM FXY2TT 7Z5LD6ZF4J3UPGHVXTX625YJX
15-12	1631	Cutty Sark	30 chr EAM LOZB disregard this transmission
15-12	1632	Cutty Sark	30 chr EAM FXXAWS UIUOARI4SSDONLOZBERIEFPL
15-12	1649	Cutty Sark	43 chr EAM FIB7MZ JODDF7F6GRCWY6UDTDUGR6RY6FC5G2YX6ZYXQ
15-12	1659	Cutty Sark	30 chr EAM FXSHQL CF4EQI4HQ3LAW6L6I4AIOWAI
15-12	1733	Cutty Sark	30 chr EAM FXHG2Q S6M7IUYZRBBCSY6SSPTOLGY
15-12	2049	Cutty Sark	30 chr EAM for EDWIN-85 FIYM7O HWGZRHXU2UTDZHOLYTSUQOKV
15-12	2118	Cutty Sark	30 chr EAM FX36RA 5PTAONOE46ASM64MKU2YKQO
16-12	0032	Accompany	Skyking msg: Teen Wolf Time 32 Auth IP
16-12	0050	Accompany	30 chr EAM FXZ52X AZXBRIQNSJNGHEMHAXC4C7JQ
16-12	0610	Offutt	Skyking msg: Tupac Time 10 Auth DC
16-12	0701	Accompany	30 chr EAM FXZ52X AZXBRIQNSJNGHEMHAXC4C7JQ
16-12	0730	Accompany	30 chr EAM FXZ52X AZXBRIQNSJNGHEMHAXC4C7JQ
16-12	0733	Accompany	30 chr EAM FXFNA3 4Z4RVIBIGSBX7PVCLRU3TUC
16-12	0735	Accompany	30 chr EAM FXGYE IJTIATJYOKJPVDBQRBE23F46
16-12	1537	Accompany	30 chr EAM FXZJA6 T53MBQL6KPZEAWRTTMSNKHGX
16-12	1618	Accompany	30 chr EAM FX6I6A UCMHS4KH53ABNOU47JEXYA6V
16-12	1638	Accompany	30 chr EAM FXR54E XN34OEJ5M5XBMLUXPRJ5BNT
16-12	2135	Accompany	30 chr EAM FXESDX 6BNQMLQ55YKBLIHJ353PI7O
17-12	0029	Big Show	clg Mainsail for communications test
17-12	0237	Newscast	52 chr EAM FILDQW EEG2ODFF4OUKQJLFP4L7RS7OTOHANX65I4BDKTUPF2AIZ
17-12	0253	Newscast	30 chr EAM FXZCTV ZNWTCTODVYSGOMBTFLH6CSRU
17-12	0622	Newscast	30 chr EAM FXX4TB KFH4VDFSUUUC3736I53RMBKK
17-12	0638	Newscast	30 chr EAM FXVCWF 373JOAMGXGN6ZUPH6SIEWIUU
17-12	0753	Newscast	30 chr EAM FXJUL5 HEB5MWR2NKEKBHNNV745IQ3F
17-12	0800	Newscast	30 chr EAM FXKU6T WNJC734YJXF3X2A356FZH2YJ
17-12	1030	Newscast	Skyking msg: Kinks Time 30 Auth YK
17-12	1046	Newscast	Skyking msg: The Birds Time 47 Auth CA
17-12	1515	Newscast	30 chr EAM FXCSMD JDMP6VFMUXQBCG3CISRTC6TO
17-12	1518	Newscast	30 chr EAM FXUJHX 3E6ORTWKT3DN2I2IN6GJWKYQ
17-12	1523	Newscast	30 chr EAM FXUJHX 3E6ORTWKT3DN2I2IN6GJWKYQ
17-12	1526	Newscast	30 chr EAM FXRGPR WRORF5IPWKAQVD64XKLPLLYW
17-12	1541	Newscast	30 chr EAM FXGH4B 7FQREB6ZLIQHYSHGHCXP4MIG
17-12	1555	Newscast	30 chr EAM FXP22K GTGOTWYIDEYOMU3KKZ6HGAIB
17-12	1558	Newscast	30 chr EAM FX25GG KIEJ5VO6MGF7M65FXRFMWD2Y
17-12	1601	Newscast	30 chr EAM FXP22K GTGOTWYIDEYOMU3KKZ6HGAIB
17-12	1603	Newscast	30 chr EAM FX25GG KIEJ5VO6MGF7M65FXRFMWD2Y
18-12	0804	Proclaim	30 chr EAM FXMTM4 25XFIWH672A4UNQNUK5IJWB6
18-12	1547	Proclaim	30 chr EAM FI7C4E 2DTKDT32LYX5WPLLQ7Z6ECPT
18-12	1554	Proclaim	30 chr EAM FI7C4E 2DTKDT32LYX5WPLLQ7Z6ECPT
18-12	1618	Proclaim	36 chr EAM FISTW7 W6SM7EH46V4LK5Z4FKJPFYJSSO62KE
18-12	1708	Proclaim	30 chr EAM FIRSDQ VDKFSDLS2JZAKX4MMWICEW6P
18-12	1745	Proclaim	30 chr EAM FX556G UPBHT53H5TK25MCLN7OG3E6G
18-12	1900	Proclaim	30 chr EAM for Peanut, for Osmosis FIU7ME QIWXFY7D43RGKQS7A4K3HMK
18-12	1939	Proclaim	30 chr EAM FX4OBM 7BBN2NRCOY3Z566XNDEI5PQT
18-12	1941	Proclaim	30 chr EAM FXTH5X TAIEXTRSUY4PTWPOP6O3MHG5
18-12	1944	Proclaim	30 chr EAM FXU6XO 6MWTRDGSVP2TSHSWD6NWQ6TR

18-12	1956	Proclaim	30 chr EAM FXSJPS LOL432ZV2IYVY3YWQMTK7DFH
18-12	2039	Proclaim	30 chr EAM FX34OG KGVEXK42WSTNMELGA2DVS7NL
18-12	2059	Proclaim	30 chr EAM FXWEXI DQGWK5PAVSC6PPQL2VMVRRMB
18-12	2110	Proclaim	30 chr EAM FXJOVB AWJGP5FPEOAKZ5PYBPLHDPTT
18-12	2330	Proclaim	30 chr EAM FXAJ7I FJC677VPEWZG2M6S5XUM4B4M
18-12	2333	Proclaim	30 chr EAM FXW6CK HVVLFYH7XQWGW2VKU6X4PP4VO
18-12	2335	Proclaim	30 chr EAM FXGWYQ GVVOUQXT6HQNEIBE32MYR5MS
18-12	2351	Proclaim	30 chr EAM FXHDYJ TOPVDPTNENWJGT2LBN3Z6WMU
18-12	2355	Proclaim	30 chr EAM FXLJNL L2YSCTQY3KFDOGEA57NL53OB
19-12	0116	Poststamp	30 chr EAM FXGJTK ESEYLJ2LF3JG5YK3HYZF5JSR
19-12	0133	Poststamp	30 chr EAM FXLTY7 DIKE4FZYGUDJPPB2TNKZRETR
19-12	0730	Poststamp	30 chr EAM FXC3PI AVTMLM3N2N6HK7FRW4JS37OD
19-12	0732	Poststamp	30 chr EAM FXWGCL SHFNAOB2Q2HGW2CSXERYA52W
19-12	0739	Poststamp	30 chr EAM FXU3ES SDIKZ7RGQJARVSL26HUCYRCH
19-12	0752	Poststamp	30 chr EAM FXXNNT YCVVZJ6T4FAXEKW4G46SQ5JX
19-12	0754	Poststamp	30 chr EAM FX2PHL FON4TJQ3Z256GQAXPV63JEKA
19-12	2106	Poststamp	30 chr EAM FI7I5N 53XG3SMK4JKWRLGF23OT5H57
19-12	2153	Poststamp	30 chr EAM FXSBHN D4MOR63RLUVDRUDCY22OG5VL
19-12	2209	Poststamp	30 chr EAM FX2ORS FMUPKYJOHMAP7QHLXFBYYKGA
20-12	0039	Pot Roast	30 chr EAM FX6E4V AGZ35RARIMTJJS7OCM7YX54
20-12	0054	Pot Roast	30 chr EAM FXRVS6 5KM3GJSWHG4M76VVE4762A53
20-12	0117	Pot Roast	30 chr EAM FXSZWH KFPLMYWCX3X2RDK5CPOVGNX2
20-12	0144	Pot Roast	Skyking msg: Bush Time 44 Auth QZ
20-12	0330	Pot Roast	Skyking msg: Bush Time 30 Auth WU
20-12	0343	Pot Roast	30 chr EAM FXK4LZ 2BLTNDLJGJSC3UI4XKHGM6I
20-12	0426	Pot Roast	Skyking msg: Bush Time 26 Auth LY
20-12	0815	Pot Roast	30 chr EAM FXRWOF YUOZYN4J4PPGCBIT7TWV6IRI
20-12	0835	Pot Roast	30 chr EAM FXXGLS JR2P4N677RZHRHL4XNWFIVT
20-12	0837	Pot Roast	30 chr EAM FXXDPP AU6KLQFZT32I5YBFEV7DX65M
20-12	0854	Pot Roast	30 chr EAM FXQ75P AGZXHRLIC5HBIA2EWGBE4IJ7
20-12	0857	Pot Roast	30 chr EAM FXYPCZ EEPF56FT66QLZZI2B75XJJ6B
20-12	1558	Pot Roast	30 chr EAM FXIEQW CSMJZ7CSODEVTZUJDI6CX65G
20-12	1609	Pot Roast	30 chr EAM for Dewy FICEE7 HUDQM3B74B6ADJY5WIJMFPW5
20-12	1623	Pot Roast	30 chr EAM for Dewy FICORJ 2OCAVLWNR7JZJFBRVXXUKO3N
20-12	1737	Pot Roast	30 chr EAM for Dewy FI4Z6X PUJYA6USBJUWJAKXOVSQZYGM
20-12	1816	Pot Roast	30 chr EAM for Dewey FICYGO 04QB5NZRAVROCGJDUK33BXVD
20-12	1830	Pot Roast	30 chr EAM for Dewey FIELDW disregard this transmission
20-12	1831	Pot Roast	30 chr EAM for Dewey FIELDW U7P6C2G5OB3SVN22YDR4RHQ5
20-12	2029	Pot Roast	30 chr EAM 6LOH3K 55B4U5AKUQLQYRE3ZWRODCCV
21-12	0514	Abstract	30 chr EAM 6LBY6C XCYID6LSWXAARAMQTA3XOYPQ
21-12	0523	Abstract	30 chr EAM 6LZB7B JSYO4ZGY7T2SLLFZSFJU6UIJ
21-12	0538	Abstract	30 chr EAM 6LQFV4 XZEAHMAVBQ85MYK5BJNRIHK74
21-12	0546	Abstract	30 chr EAM 6LQFV4 XZEAHMAVBQ85MYK5BJNRIHK74
21-12	0613	Abstract	Skyking msg: Savage Time 13 Auth VH
21-12	1601	Abstract	52 chr EAM FIE2P4 HHC226B2FBZNGYO47HZFPZ4NMIXYRJO47ZZCTL5KVHNKRC
21-12	1623	Abstract	30 chr EAM FILNK2 FFKYYNAZMYU5HSDR3VW2HWYVW
21-12	1646	Abstract	30 chr EAM 6L45BN H37UAWZOORK3ZQBS67LOOJ3G
21-12	1651	Abstract	30 chr EAM 6LP5OJ FR4QBRHSABIWO6JK3QVDAIXN
21-12	1704	Abstract	30 chr EAM FI5ZMN YTAS7HUXZY6SRX3JUA3QBX
21-12	1714	Abstract	30 chr EAM 6LU35L FZISS3F3K4ALT7RW72ZL4EAK
21-12	1745	Abstract	30 chr EAM 6LDQTA 55ZJ5437HVUN224K364UTTSS
21-12	1913	Abstract	30 chr EAM 6LQOLGK OFXLAP3EG5M5TSTYTO2HHIVM
21-12	1918	Abstract	30 chr EAM 6LQOLGK OFXLAP3EG5M5TSTYTO2HHIVM
21-12	2134	Abstract	30 chr EAM 6LSCQM XNR5BJKIEOVZHKQTILSPYJH
22-12	0216	Eight Amp	30 chr EAM 6LK47G HZW5ALPUDX3RW7K3QK2QUEID
22-12	0316	Eight Amp	Skyking msg: Lenard Time 16 Auth LJ
22-12	0353	Eight Amp	Skyking msg: The Birds Time 53 Auth IC
22-12	0445	Eight Amp	Skyking msg: Savage Led Zeppelin Time 45 Auth AP
22-12	0448	Eight Amp	Skyking msg: Disregard my Savage Led Zeppelin transmitted at 45 Time 48 Auth PT
22-12	0449	Eight Amp	Skyking msg: Led Zeppelin Time 49 Auth A disregard this transmission

22-12	0449	Eight Amp	Skyking msg: Led Zeppelin Time 49 Auth PT
22-12	0451	Eight Amp	Skyking msg: Led Zeppelin Time 51 Auth UO
22-12	0456	Eight Amp	Skyking msg: Alien Time 56 Auth RG
22-12	1726	Eight Amp	30 chr EAM 6LTNMB 255GBUW3A65SKM7BUNN5FSCE
22-12	2047	Eight Amp	30 chr EAM for Frog-28 FIV36D 7W5BQ6DXFHIB7HYGFRWUNE6T
22-12	2118	Eight Amp	30 chr EAM 6LISVI K7DXVKF5QAKKOKV4GUW6D5PO
23-12	1628	Appleade	30 chr EAM 6LZM3M IMN2HBCTES3TOMBZUJJZL6AD
23-12	1637	Appleade	30 chr EAM 6LJDUL LQJOGS2E2L5U5GY4FEPMLHLJ
23-12	2305	Appleade	30 chr EAM 6LXGEU EKNAGRXHEEYN3LIGN626OK3W
23-12	2307	Appleade	30 chr EAM 6LCACE 5IBDCGSXLE23VRURSQSYK2FG
23-12	2319	Appleade	30 chr EAM 6LT7QJ WESYX25NU2OSLI3Y4HCSYPFG
23-12	2340	Appleade	30 chr EAM 6LU7MX G6DTWJE7X3P4NMM3EWOYZJ5O
24-12	0126	Overreach	30 chr EAM 6LJYUD MPWPSOQ4T3MUKCIIAPJVWJJA
24-12	1616	Overreach	30 chr EAM 6L7XUV DVEZ24DB3GSL7DFEIRQZAFHL
24-12	1635	Overreach	30 chr EAM 6LB3UR 2AR5NI3VRKLBTCUXFJQ2HDWN
24-12	1638	Overreach	30 chr EAM 6LPPSK 7KG7TY2F4HBD7Y2NDXXMTJ6L
24-12	1641	Overreach	30 chr EAM 6LYU3K ED4JL2O2R5BVKLF5JVREBBRC
24-12	1706	Overreach	30 chr EAM 6LSDWT OZ5AKWPMJOESNH424SI3CNCX
24-12	1709	Overreach	30 chr EAM 6LLIOB GI7ULQAW6OND3M7MZ2IRBZVW
24-12	2310	Overreach	30 chr EAM 6L7QNW 5ASO6F6YQANNVB55V2UVVKF
24-12	2313	Overreach	30 chr EAM 6LGS7 FUEGTMJASE22F2SG6ZZJPAIL
24-12	2329	Overreach	30 chr EAM 6LLFW2 6L67TAHNJJOUQAX2LMHX7GOY
24-12	2331	Overreach	30 chr EAM 6LNABR ZBZOMH7W36YUJFDIPDYUQHDC
25-12	0046	Tattooed	30 chr EAM 6LAKHR YBCYFNZ6ASPPGUPOT4P3WWTW
25-12	0049	Tattooed	30 chr EAM 6LUWK6 34JWTBXCXFFT5B5PTSQ4J75K
25-12	0504	Tattooed	30 chr EAM 6LYF5B PQZOEZXA26RWIFHXVADRSZ4I
25-12	2151	Tattooed	30 chr EAM 6LZXA7 2HBZWJFLMXIST3B37SPOPCIQ
25-12	2202	Tattooed	30 chr EAM 6L5JVT LGYYNDT73Z3HHFX537LI4U3M
25-12	2205	Tattooed	30 chr EAM 6LUXQW P7SP756EK3WA6XZOSKJOXCRU
25-12	2212	Tattooed	30 chr EAM 6LQSUJ BUDB557HDAPBW2RG4QSKENI6
26-12	0516	Big Play	30 chr EAM 6LM2T2 GCIENGTBDQCITTOHCLSDXPE6
26-12	0519	Big Play	30 chr EAM 6LXVA2 HWKR3ACRQ6QW7AAOKPWTOQLB
26-12	0536	Big Play	30 chr EAM 6LFSYO EMXSHXJRYUFA2FQV5IT77RCD
26-12	1813	Big Play	30 chr EAM for Tago-52 for Monad-52 R5KSRS V4W6TRXHGP2RQV3HO4IMHLO5
26-12	1842	Big Play	30 chr EAM 6L2PV7 W5OFIR335OIQGRK2DBYIALC4
26-12	2116	Big Play	30 chr EAM 6LCLF4 DGNHU2GBPBRBRKIFVCBXV7QM
26-12	2320	Big Play	30 chr EAM 6LY5I3 PI3JOCITRAP6Y7DI3GU264Y6
27-12	1539	Quiet Man	30 chr EAM 6LHW6N XIAHFU6IJU6ODLR3LSKHJ7I2
27-12	1542	Quiet Man	30 chr EAM 6LJNCT 76VSUJMQWMIXSVYXPXRMJ76I
27-12	1552	Quiet Man	30 chr EAM 6LWOZE 3MSHGWBB4L3SVU4ZGXBFI4E
27-12	1556	Quiet Man	30 chr EAM 6L6UGH 4FOAS7PUMPX5NRDEJHTXRUR6
27-12	2148	Quiet Man	30 chr EAM 6LFTHY OADAFV3VFYOSNL7RUQDCDUNZ
27-12	2355	Quiet Man	30 chr EAM 6L7NU6 E7Y6PVTVISV6WKMXXRIEQMRE
27-12	2357	Quiet Man	30 chr EAM 6LLWZE 3PAH3XX74CEMHCNMU33VYBGC
28-12	0005	Hay Hook	30 chr EAM 6LBZWE D25NVICTVI6EQ5I54VWXAEEVW
28-12	0012	Hay Hook	30 chr EAM 6LEXLU N2Z2UPHXNAGTUXHNRB73WWOP
28-12	0721	Hay Hook	30 chr EAM 6LWJAU LNEROA7SCYF6Q2VT33QBP2O
28-12	0725	Hay Hook	30 chr EAM 6LWJAU LNEROA7SCYF6Q2VT33QBP2O
28-12	0800	Hay Hook	30 chr EAM 6LWJAU LNEROA7SCYF6Q2VT33QBP2O
28-12	0829	Hay Hook	30 chr EAM 6LWJAU LNEROA7SCYF6Q2VT33QBP2O
28-12	1420	Hay Hook	56 chr EAM JWA0IU 7PFL56JGZV7HOEKKPOXAFQRQSQCTJOJZZ7OGGGGU2T3RBN37A
28-12	1615	Hay Hook	30 chr EAM R5EBVF 2424DKX64C3UZXY44QZABESG
28-12	1705	Hay Hook	30 chr EAM R54PQ6 K2APQGC2H4AVPUYWQ3NGNGRC
28-12	1715	Hay Hook	30 chr EAM 6L7ZZP R6UO2PCJMFRLLESY5UZ2UYQ
28-12	1718	Hay Hook	30 chr EAM 6LN2TX MTRMTMWUAOOV5OCVQW5LMPCK
29-12	0032	Endowment	30 chr EAM 6LSJF3 BFEHRAVSSI3WN2SVPE5UJFCX
29-12	0228	Endowment	109 chr EAM JWS3HJ VRUCSBDVX4YAXXBPOKBGI2CH6BITEXCEAPJC4DUCSWHW6SJIZKTWNR4P5OQZOT7YCSF2IB M4MJP6ERWEMMIUJNURRRRSZALJR7HCE
29-12	0638	Endowment	30 chr EAM R56P3D NAV4XJV4EABDWVKWZHKZVXHV

29-12	0644	Endowment	30 chr EAM R5MF5C IAJSXPPQN4XKL52NOLAI4V43
29-12	0715	Endowment	63 chr EAM R5BBD3 I2TYG5U4RN4JQD55IWG55IVKAMUX3A3QPX3AM2JT57AAH3AMUFRVDIDDE
29-12	0739	Endowment	52 chr EAM R54JN6 ZYILUZCDGYTWK7VWR2WVWRVTCMBNYE5A53ACMBEF52RQ4P
29-12	1350	Endowment	30 chr EAM 6LRAMF SYHSYAOAB5IH4W2Y6Z25I6XA
29-12	1414	Endowment	30 chr EAM 6LM3NB K6MRQVVETVFIS7TVWFHB2T5H
29-12	1417	Endowment	30 chr EAM 6LTBUI ZHBUOJACOHV2X34SQCUXCERV
29-12	1505	Endowment	48 chr EAM JWH22C UZ3V4GFK7IGR2RS6EVUUMHHHHBBV4VBR46276F67HS
29-12	1511	Endowment	56 chr EAM JWG2VE WT4S6WYIPIRHA6ZQB6QAFCDDQYCQMMETE4TIHFDE2EUK7SKOY
29-12	1630	Endowment	56 chr EAM JWG2VE WT4S6WYIPIRHA6ZQB6QAFCDDQYCQMMETE4TIHFDE2EUK7SKOY
29-12	1633	Endowment	48 chr EAM JWH22C UZ3V4GFK7IGR2RS6EVUUMHHHHBBV4VBR46276F67HS
29-12	1904	Endowment	30 chr EAM for Tale-70 for Gate-70 R5BUXR MROR42WPXLB6BWPOHXE7D4LI
29-12	1932	Endowment	30 chr EAM 6LSOGW WY6YUAV7FM5W7RIEZNQIA3PP
30-12	0359	Best Idea	Skyking msg: Bush Time 59 Auth GA
30-12	0738	Best Idea	30 chr EAM 6LATAZ PJLXDNOXLD25B6EYXASEWAZB
30-12	1545	Best Idea	30 chr EAM 6LBOWK NLC42H66L354FFF4DNJU7HE2
30-12	1625	Best Idea	30 chr EAM 6LX6AD O4XAR3A7VDY3KDGYYOCQ5TQR5
30-12	1628	Best Idea	30 chr EAM 6LE2KA 2OFVHOAVWVQM6ML54TGACJ3A
30-12	2103	Best Idea	30 chr EAM 6L7I4X VPD5UUJHZQQ3KIY7C6GLSIAN
31-12	0710	Lunchbox	30 chr EAM 6LSX7O MOOCTAS254QY6OWPJRKFOZG
31-12	0741	Lunchbox	30 chr EAM 6LLMX5 AMAEW3JHEDSIJJD3YQUIBHFV
31-12	0750	Lunchbox	30 chr EAM 6LHJEY EPSN3H6KFTSOT6CSJZMBHFRU
31-12	1644	Lunchbox	30 chr EAM 6LT3IU NTEXKOKX45JMGH5RJ26NLU5
31-12	1648	Lunchbox	30 chr EAM 6LSZWY DVO7TWXTN5NUAOJOIUE7LFFF
31-12	2001	Lunchbox	30 chr EAM 6LI5TY 4Q3WNI6OSDVEZXQYQBYNEAZ6
31-12	2004	Lunchbox	30 chr EAM 6LVFEP LNKQWCRRB7UBXC7R6SLPY2A
31-12	2020	Lunchbox	30 chr EAM 6L6YAB I3VWVXIDUPNRDDPNWGI5QMTW
31-12	2033	Lunchbox	30 chr EAM 6LVFEP LNKQWCRRB7UBXC7R6SLPY2A

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, WP3, AB, AnEur, RP-MD

### RMv/RNv/RNav/RAv - Russian military voice transmissions

RNv – Russian Navy

#### 8237 kHz, 30-12

1355 UTC Debutant (Russian Navy Med Det vessel) R/Cs w/Bussol (Russian Navy Med Det control)  
1422 UTC Redaktsiya (Russian Navy Med Det vessel) w/Bussol reporting fuel remaining 3080/3.  
1430 UTC Bussol calling Redaktsiya w/no response. Debutant answers.  
1438 UTC Bussol calling Neytron (Russian Navy Med Det vessel) w/no response.  
1445 UTC Bussol w/Debutant advises that the "big one (Bolshoy)" isn't working.  
1506 UTC Debutant calling Neytron w/no response.

#### 4149 kHz, 30-12

1700 UTC Bussol w/unheard stn QSL'ing for msg #54.  
1702 UTC Neytron w/Bussol QSL'ing for #2460  
1719 UTC Bussol w/Maksira (Russian Navy Med Det vessel) QSL'ing for msg.  
1928 UTC Bussol calling ?Rostov? (Russian Navy Med Det vessel) & Redaktsiya w/no responses.



Korsar - Russian Military Transport Aviation (VTA) HQs, Moscow  
 Polis- 117th Air Transport Regiment, 6956th Air Base, Orenburg  
 Klarnetist- 12th Air Transport Division, 6955th Air Base, Migalovo/Tver  
 Proselok- 566th Air Transport Regiment, Bryansk  
 Davlenie- 708th Air Transport Regiment, 6958th Air Base, Taganrog

**11360 kHz, 11-12**

1122 UTC Korsar w/76649 (IL-76MD 708th VTAP Taganrog Central) QSL's for flt info.  
 1126 UTC Korsar w/76530 (IL-76MD 566th Air Transport Regiment, Bryansk--not heard) QSL's for flt info.  
 1128 UTC Korsar w/78835 (IL-76MD) QSL's for flt info.  
 1126 UTC Acft 19600 (unid) USB calling Korsar & Klarnetist w/no response.  
 1246 UTC Korsar calling 82035 (Russian AF AN-124 566th Military Transport Air Regiment - Seshcha) w/no response.

**6685 kHz, 11-12, 1715 UTC**

76922 (IL-76MD) w/Korsar (not heard) reporting 3 hrs into flt w/48 tons fuel & "ops normal".

**11360 kHz, 14-12**

1114 UTC Korsar calling 76548 (IL-76MD--IL-76MD 12th Military Transport Air Division-Tver/Migalovo) w/no response. Korsar tries for 10 minutes to reach 76548 (not heard) who reports 35 tons fuel remaining & next stop Pskov. At 1150Z reports 2 hrs into flt w/30 tons fuel. At 1222Z 76548 reports ETA Pskov 1615 MSK.  
 1149 UTC Korsar w/76554 (IL-76MD IL-76MD 117th Military Transport Air Regiment - Orenburg/Southwest) reporting 2 hrs into flt w/41 tons fuel & "ops normal."  
 1152 UTC Korsar USB R/Cs w/76643(IL-76MD)  
 1305 UTC Korsar USB R/Cs w/76702 (IL-76MD)

**11360 kHz, 18-12**

1158 UTC Korsar w/76544 (IL-76MD 12th Military Transport Air Division-Tver/Migalovo) reporting departure from (missed) t 1435 MSK w/46 tons fuel & next is Kanatniy (Russian AB, Ivanovo-North). At 1238Z reports 1 hr into flt w/35 tons fuel.  
 1240 UTC Korsar w/78794 (IL-76MD 196th Military Transport Air Regiment - Tverd) reporting 1745 MSK ETA landing at Tai'mir (Russian AB Krimsk). At 1314Z reports 1 hr into flt & "ops normal."  
 1315 UTC Korsar w/76792 (IL-76MD) reporting 2 hrs into flt w/35 tons fuel & "ops normal."  
 1336 UTC 78816 (IL-76MD) USB calling Korsar, Proselok & Magnetron (unid) w/no response. Korsar finally responds & 78816 reports departure from Olyanovsk-East at 1633 MSK w/41 tons fuel & next is Chkalovskiy.  
 1424 UIC Korsar w/76693 (IL-76MD 708th VTAP Taganrog Central) reporting 1623 MSK landing at Plavnik (Russian AB Shagol (Chelyabinsk).

**11360 kHz, 22-12**

1021 UTC Korsar w/78794 (IL-76MD--not heard) reporting departure from Chkalovskiy w/75 tons fuel & next is Raspiska (Russian AB Mozdok). NOTE: Mozdok is usual transit point for flts to/from Middle East.  
 1043 UTC Proselok w/78778 (IL-76MD) reporting departure from (missed) at 1331 MSK w/50 tons fuel.  
 1047 UTC Korsar w/76553 (IL-76MD) reporting 2 hrs into flt w/32 tons fuel & "ops normal".  
 1055 UTC Korsar R/Cs w/76770 (IL-76MD)  
 1112 UTC Korsar w/78813 (IL-76MD) reporting 1 hr into flt w/35 tons fuel & "ops normal."  
 1134 UTC Korsar w/76599 (IL-76MD) reporting departure from Rechnoy (Russian AB Shaykovka) w/47 tons fuel . Ops normal  
 1235 UTC Korsar w/76770 (IL-76MD--not heard) reporting landing at Samara.

**6685 kHz, 22-12**

1302 UTC Korsar w/76590 (IL-76MD) reporting 1 hr into flt & "ops normal."  
 1225 UTC Korsar & Proselok USB calling 78779 (IL-76MD) w/no response

**11360 kHz, 28-12**

1257 UTC Acft 09309 (Russian AF AN-22A 76th Independent Military Transport Air Squadron - Tver) calling Korsar w/no response. Sends in blind departure from Yervan at 1544 MSK w/73 tons fuel & next is Tai'mir (Russian AB Krimsk).  
 1300 UTC Net comms checks by Korsar were not conducted today. Proselok tried to contact Korsar, Klarnetist & Davlenie w/no responses.  
 1317 UTC Proselok w/78757 (IL-76MD) reporting departure from (missed) at 1600 MSK w/35 tons fuel

**6685 kHz, 28-12, 1357 UTC**

Polotnoy (unid) w/76544 (IL-76 12th Military Transport Air Division-Tver/Migalovo) reporting landing at Kanatniy (Russian AB, Ivanovo-North) at 1656 MSK.

**8237 kHz, 28-12, 1635 UTC**

Unid station (call missed) calling Bussol (Russian Navy Med Det controller) w/no response.

## M32 - Russian / CIS Military CW Stations

**5479 kHz, 02-12, 1208 UTC, i.p.**

HYKF DE WVWE K

HYKF DE VQTG QRV ZZZ K

BK BK BK RPT AA 12 K

RPT AA 12 K

BK BK RPT AA 30 K

BK BK RPT AA 33 K

VQTG 780 41 2 1448 780 =

ZZZ 382 =

MMMMM PNYOS GTGWY IKK\O\H (Cont'd)

**7678 kHz, 08-12**

1321 UTC MFT5 XXX 59243 KLIKOTER 5445 8600 PLUGOChPOR 4547 2452

1329 UTC MFT5 XXX 73311 AZEFOWQINA 8621 1477

1333 UTC MFT5 XXX 65500 PODMETKA 5706 9497

1335 UTC MFT5 XXX PREMIÂ 4066 7417 ARTERIIT 3170 8709

**12151 kHz, 12-12, 1050 UTC**

i.p. 61 2100 5165 3150 0295 1840 4675 8558 1192 7665 1168 8400 1212 QTC K

ZX9W 934 1512 1350 934 = 348 171

**11165 kHz, 28-12, 0805 UTC, i.p.**

QSY 86113 K

QSY 86113 80

3LSG (x3) DE X4BB (x2) K

3LSG DE X4BB K

3LSG DE X4BB K

BK QSA 4 QSA ? K

QTC 1 ZZC K

BK RPT K

R 452 0811 K

QTC 1 ZTH K

= = 901 100 28 0800 7932 K

RPT K

CFM QRU ?

SK SK

The Russian net that AnEur is following changed its callsigns on 11 December.

**Day time frequencies**

Net control 10064 kHz

Out stations ?

**Day time callsigns per 11 Dec**

Net Control D6KZ

Collective callsign ?

Outstations AHAW, LHCC, KB7Y, L7ZO, SUFB

**Night time frequencies:**

Net Control 5596 kHz

Outstations 5693 kHz

**Nigh time callsigns per 11 Dec**

Net Control MXIE

Collective callsign ?

Outstations QEIS, 3UNM, H2E7, YT9P, IGO8

**Day time callsigns per 21 Dec**

Net control G5XJ  
 Collective callsign ?  
 Outstations 7C6S, TQZ7, G5SZ, TN3M, WO6J

**Night time callsigns per 21 Dec**

Net control LJYU  
 Collective callsign ?  
 Outstations MQQ1, P42Y, 6A6V, MAIG, Z2Y3

**10644 18-12-2017, 1033-1037 UTC**

KB7Y DE D6ZK QBE QYT 4 K  
 KB7Y DE D6ZK QBE QYT 4 K  
 KB7Y DE D6ZK QBE QYT 4 K  
 R K

**10644 18-12-2017, 1157-1159 UTC**

AHAW DE D6ZK K  
 AWHW DE D6ZK K  
 PH EEEEE AHAW DE D6KZ K  
 LHCC DE D6ZK K  
 QSA 4 QSA? K  
 R K  
 KB7Y DE D6ZK K  
 KB7Y DE D7EEEEEEEEEE KB  
 KB7Y DE D6ZK K  
 KB7Y DE D6ZK K  
 L7ZO DE D6ZK K  
 L7ZO DE D6ZK K  
 L7ZO DE D6ZK K  
 SUFB DE D6ZK K  
 QS  
 QSA 3 QSA ? K  
 R K

**10064 kHz, 22-12, 0930 UTC**

GX5J clg 7C6S, TQZ7, G5SZ, TN3M, WO6J

***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)***

RM CW: Rus Navy Ship Donuzlav  
 RHO62: Rus Navy Ship Admiral Vladimirskiy  
 RKB91: Rus Navy AO Kola

**8345 kHz, 16-12, 0906 UTC**

RIT DE RHO62 581 17 16 1200 581 = SML FOR RJH45 RJD38 RIF4 =  
 16091 99591 10215 42598 72510 10041 49945 52021 83231 22263 00066 2//// 16012 = +  
 RHO62 K

**8345 kHz, 16-12, 1519 UTC**

RIT DE RHO62 360 17 16 1802 360 = SML FOR RJH45 RJD38 RIF4 =  
 16151 99583 10207 42598 82206 10029 49980 52020 83251 22253 00070 2//// 16012 = +  
 RHO62 K

**8345 kHz, 16-12, 1806 UTC**

RIW DE RKB91 556 14 16 0830 (?) 556 = FOR RJH45 RJE73 =  
 16181 99376 10089 41598 52909 10200 10140 52120 .....  
 RKB91 K

**8345 kHz, 16-12, 1810 UTC**

RCV DE RMCW 804 15 16 2102 804 = SML FOR RJE73 RJH45 =  
 16181 99118 10435 42998 01005 10256 40159 52014 22231 00267 20301 16011 = +  
 RMCW K

**8345 kHz, 16-12, 1844 UTC**

RCV DE RMCW 211 54 16 2140 211 = SML FOR RJE73 RJH45 =  
 KKXXX 16127 1800/ 11150 04359 88871 ...

**12464 kHz, 16-12, 0605 UTC**

RCV DE RMCW 671 18 16 0903 571 = SML FOR RJE73 RJH45 =  
 16061 99141 10430 42698 ... 52022 81200 22232 00262 20403 88000 80000 16014 = +  
 RMCW K

**12464 kHz, 16-12, 0851 UTC**

RIW DE RCRE QSA4 K  
 OK QAP K  
 OK QYT4 QWH 8302 6243 QSX 9700 7204 FM RAA K

**12464 kHz, 16-12, 1133 UTC**

RCV DE RKB91 455 14 16 1420 455 = FOR RJH45 RJE73 =  
 16121 99377 10101 41398 82806 00200 ..120 52020 70202 8///// 22272 16011 = +  
 RKB91 K

**12464 kHz, 16-12, 1510 UTC**

RCV DE RMCW 961 17 16 1803 961 = SML FOR RJE73 RJH45 =  
 16151 99117 10439 42998 01205 10258 40143 52007 22233 ...20301 88000 80000 16013 = +  
 RMCW K

**10082 kHz, 21-12, 0846-0908 UTC, RJC66 setting up a link with RJD62**

RJD62: ZSD? K  
 RJC66: ZSD 5 K  
 RJD62: ZSD 4 ZNÊ TRI ODIN ChESTX ZSL? ZSÊ? K  
 RJC66: ZSL ZNÊ TRI ODIN ChESTX ZNÊ DWA ÔETYRE WOSEMX ZSL? K  
 RJD62: ZSL ZNÊ DWA ÔETYRE  
 RJD62: WOSEMX ZKM ZGR K  
 RJC66: RDJ62 ZKM ZGR K  
 RDJ62: ZDS GNGCh ZZT VLVVMLLLMKLKKVKMVKVLMVLKL  
 RJC66: AS 1 K  
 RJD62: OK AS 1 K  
 RJC66: ZDS ZGR ZZT VLKKKMVKMKVLMVLKMKKLKVVM ÔchDHSKZWChÛMQChKZNFÔ  
 RDJ62: CChDHSKZWChÛMQChK  
 RJC66: GÂÔIECEQCNUIZZVLERPÛX

**10082 kHz, 22-12, 0910-0924 UTC, RJC66 setting up a link with RJD62**

RJC66: ZCS  
 RJC66: ZKM ZGR K  
 RJD62: ZDS GNChH ZZT  
 RJC66: LVLMKVMMVLLMKMKMLMMLMMKV AÂBÔDÔINPÔQMHNSGWOTURDÛJTMYGUMY ...  
 RJD62: UChcHWNKHYKÛÔNPOUÛBRÔEBXJVLJHAL ...  
 RJD62: K  
 RJD62: K  
 RJC66: ZNS 004 K  
 RJD62: OK ZNS 4 K  
 RJD62: OK K  
 RJC66: ASSMZILQYFNTDKHRFÔÂIWAHTÂV ...  
 RJC66: RJD62 K  
 RJD62: SK  
 RJC66: SK

## ***M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)***

### **8816 kHz, 05-12, 1209 UTC**

RJF94 RJC38 DE 75262 QTO 1202 QRD XLAA XUMU QBD 0500 QRE 1405 K

### **8816 kHz, 05-12, 0841 UTC**

RJF94 RJC38 DE 75262 QTO 0827 QRD XUMU XLWF QBD 0500 QRE 0940 K  
QQM XUMU 0935 SK

### **8816 kHz, 17-12, 0730 UTC**

RJF94 RJC38 DE 52672 QTO 0715 QRD XUMO XLMV QBG 0530 QRE 1100 K  
QTH 16552 13356 QTR 0815 QBG 5800 K  
QTH 16224 13617 QTR 0915 QBD 0330 K  
QTH 15922 13746 QTR 1015 QBG 5500 QRE XUMO 1100 K  
QQM XUMO 1130 K

### **8816 kHz, 17-12, 0910 UTC**

RJF94 RJC38 DE 75253 QTO 0903 QRD XLLV XLMV QBD 0930 QRE 1123 K  
QQUL ULPE 0958 QBG 7300 K  
QAY XLPB 1035 QBD 0730 QRE XLLV 1115 K

### **8816 kHz, 17-12, 1322 UTC**

RJF94 RJC38 DE 75253 QTO 1315 QRD XLMV XLLV QBD 0700 QRE 1515 K  
QAY XLPB 1351 QBG 7300 K  
QQUL ULPE 1421 QBD 0530 QRE XLMV 1515 K  
QQM XLMV 1523 SK

### **8816 kHz, 17-12, 1453 UTC**

RJF94 RJC38 DE 52672 QTO 1420 QRD XLMV XUMO QBD 0530 QRE 1800 K  
QTH 15919 13750 QTR 1520 QBG 6200 K  
QTH 16315 1354. QTR 1620 QBD 0330 K

### **8816 kHz, 22-12, 0701 UTC**

RJF94 RJC38 DE 52672 QTH 16532 13408 QTR 0650 QBG 5800 K  
QTH 16152 13245 QTR 0750 QBG 5500 QRE XLLV 0850 K  
QQM XLLV 0837 SK

### **8816 kHz, 22-12, 1431 UTC**

CW RJF94 RJC38 DE 52672 QTO 1415 QRD XLMV XUMO QBD 0530 QRE 1800 K  
QTH 16239 13609 QTR 1615 QBD 0330 K

### **8816 kHz, 22-12, 1637 UTC**

RJF94 RJC38 DE 45557 QTO 1627 QRD XLMV XUMU QRE 1840 QBD 0435 K

### **8816 kHz, 28-12, 1038 UTC**

RJF94 RJC38 DE 08032 QTO 1033 QRD XLMV XLAA QRE 1155 QBD 0800 K  
QTH 16712 13320 QTR 1134 QBG 6100 K  
QQM XLMV 1209 SK

### **8816 kHz, 28-12, 1204 UTC**

RJC38 RJF94 DE 75255 QTO 1152 QRD XLMV XUMO QBD 0700 QRE 1452 K  
QQUL ULWC 1242 QBG 240 K  
QQUL ULPE 1349 QBD 0500 QRE XLMV 1451 K

**8816 kHz, 29-12, 0743 UTC**

RJC38 RJF94 DE 26675 QTO 0732 QRD XLLV XLMV QRE 1010 QBD 0500 K  
 QTH 16543 13401 QTR 0844 QBG 5800 QBD 0400 K  
 QTH 16248 13313 QTR 0935 QBG 5500 QBD 0300 QRE XLLV 1035 K  
 QQM XLLV 1037 SK

**8816 kHz, 29-12, 1431 UTC**

RJC38 RJF94 DE 26675 QTO 1422 QRD XLMV XLLV QRE 1700 QBD 0530 K  
 QQM XLMV 1656 SK

**M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)****Tu-95MS Bear H net: W-marker**

8112 kHz, 12-12, 1220 UTC

8112 kHz, 15-12, 1000, 1120, 1140, 1200, 1220, 1240, 1300, 1320 UTC

**LOGS SECTION**

Code	Freq	Date	UTC	Day	Details	Mode	ctrb
---	4508	28-11	1640	Tue	Unid marker 1 to 5 dots	USB	(W9SPY-HOL)
---	4501	17-12	0845	Sun	Unid marker 1 to 5 dots	USB	(AB-S)
DPRK	13333	4-12	0839	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12850	6-12	1249	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16085	20-12	0817	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	20-12	1310	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	26-12	0821	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13555	26-12	0823	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13555	31-12	1341	Sun	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	14575	7-12	0600	Thu	923 607 54 58819 80155 54424 ... 16578 37009 82080 607 54 00000	USB	(AB-GRC)
E06	17420	7-12	0700	Thu	923 607 54 58819 80155 54424 ... 16578 37009 82080 607 54 00000	USB	(AB-RUS)
E06	4836	7-12	2030	Thu	321 321 321 00000	USB	(AB/MPJ)
E06	14575	8-12	0600	Fri	923 607 54 58819 80155 54424 ... 16578 37009 82080 607 54 00000	USB	(AB-GRC/HFD-RUS)
E06	17420	8-12	0700	Fri	923 607 54 58819 80155 54424 ... 16578 37009 82080 607 54 00000	USB	(AB-RUS/HFD)
E06	4760	8-12	2130	Fri	472 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000	USB	(AB)
E06	14575	21-12	0600	Thu	923 786 51 51323 73711 27643 ... 33515 37090 97653 786 51 00000	USB	(AB-GRC)
E06	17420	21-12	0700	Thu	923 786 51 51323 73711 27643 ... 33515 37090 97653 786 51 00000	USB	(AB-GRC)
E06	4836	21-12	2030	Thu	321 847 58 67391 24518 97497 ... 21645 72848 69529 847 58 00000 Windows shut down sound	USB	(AB/MPJ)
E06	14575	22-12	0600	Fri	923 786 51 51323 73711 27643 ... 33515 37090 97653 786 51 00000	USB	(AB-GRC)
E06	17420	22-12	0700	Fri	923 786 51 51323 73711 27643 ... 33515 37090	USB	(AB-GRC)

					97653 786 51 00000		
E06	14654	29-12	0310	Fri	i.p.	USB	(HFD-CHN)
E07	11493	1-12	1100	Fri	411 411 411 1 8175 77 8175 77 58096 22985 69038 ... 50558 97910 55591 000 000	USB	(AB/MPJ)
E07	10193	1-12	1120	Fri	411 411 411 1 8175 77 8175 77 58096 22985 69038 ... 50558 97910 55591 000 000	USB	(AB/MPJ)
E07	8193	1-12	1140	Fri	411 411 411 1 8175 77 8175 77 58096 22985 69038 ... 50558 97910 55591 000 000	USB	(AB/MPJ)
E07	8123	2-12	0700	Sat	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB/HFD)
E07	9323	2-12	0720	Sat	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB/HFD)
E07	10423	2-12	0740	Sat	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB/HFD)
E07	8123	3-12	0700	Sun	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	9323	3-12	0720	Sun	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB/BvR)
E07	10423	3-12	0740	Sun	134 134 134 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB/BvR)
E07	7464	3-12	1800	Sun	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB-GRC)
E07	5864	3-12	1820	Sun	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB/MPJ)
E07	4564	3-12	1840	Sun	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB/MPJ)
E07	6823	4-12	2000	Mon	881 881 881 000	USB	(AB/MPJ/H FD)
E07	5823	4-12	2020	Mon	881 881 881 000	USB	(AB/HFD)
E07	11493	5-12	1100	Tue	411 411 411 000	USB	(AB/HFD)
E07	10193	5-12	1120	Tue	411 411 411 000	USB	(AB/HFD)
E07	10250	6-12	1018	Wed	Unscheduled transmission 687 687 687 1 5533 100 5533 100 01813 79019 63940 ... 49015 51704 7435? 000 000	AM	(qsr711)
E07	13370	6-12	1038	Wed	Unscheduled transmission 687 687 687 1 5533 100 5533 100 01813 79019 63940 ... 49015 51704 7435? 000 000	AM	(qsr711)
E07	9060	6-12	1058	Wed	Unscheduled transmission 687 687 687 1 5533 100 5533 100 01813 79019 63940 ... 49015 51704 7435? 000 000	AM	(qsr711)
E07	7464	6-12	1800	Wed	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB- GRC/HFD)
E07	5864	6-12	1820	Wed	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB/MPJ/H FD)
E07	4564	6-12	1840	Wed	485 485 485 1 211 43 211 43 17735 92083 28038 ... 48729 50618 94222 000 000	AM	(AB/MPJ/H FD)
E07	6823	6-12	2000	Wed	881 881 881 000	USB	(AB-RUS)
E07	5823	6-12	2020	Wed	881 881 881 000	USB	(AB)
E07	6777	7-12	2110	Thu	744 744 744 000	AM	(AB)
E07	5449	7-12	2130	Thu	744 744 744 000	AM	(AB)
E07	11493	8-12	1100	Fri	411 411 411 000	USB	(AB/MPJ)
E07	10193	8-12	1120	Fri	411 411 411 000	USB	(AB/MPJ)
E07	8123	9-12	0700	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	9323	9-12	0720	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	10423	9-12	0740	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	8123	10-12	0700	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)

E07	9323	10-12	0720	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)
E07	10423	10-12	0740	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)
E07	7464	10-12	1800	Sun	485 485 485 000	AM	(AB- GRC/MPJ)
E07	5864	10-12	1820	Sun	485 485 485 000	AM	(AB/MPJ)
E07	6823	11-12	2000	Mon	881 881 8881 000	USB	(AB/MPJ)
E07	5823	11-12	2020	Mon	881 881 8881 000	USB	(AB/MPJ)
E07	11493	12-12	1100	Tue	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	10193	12-12	1120	Tue	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	8193	12-12	1140	Tue	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	7464	13-12	1800	Wed	485 485 485 000	AM	(AB-GRC)
E07	5864	13-12	1820	Wed	485 485 485 000	AM	(AB)
E07	6823	13-12	2000	Wed	881 881 881 000	USB	(AB- RUS/MPJ)
E07	5823	13-12	2020	Wed	881 881 881 000	USB	(AB/MPJ)
E07	6777	14-12	2110	Thu	Poor modulation. Unredable.	AM	(AB)
E07	5449	14-12	2130	Thu	Poor modulation. Partly unredable. 744 744 744 1 540 87 540 87 97238 15887 84028 ... xxxxx xxxxx xxxxx 000 000	AM	(AB)
E07	4483	14-12	2150	Thu	Poor modulation. Unredable.	AM	(AB)
E07	11493	15-12	1100	Fri	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	10193	15-12	1120	Fri	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	8193	15-12	1140	Fri	411 411 411 1 3593 65 3593 65 51488 63746 21425 ... 42378 55899 23474 000 000	USB	(AB/MPJ)
E07	8123	16-12	0700	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	9323	16-12	0720	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	10423	16-12	0740	Sat	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB/BvR)
E07	8123	17-12	0700	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)
E07	9323	17-12	0720	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)
E07	10423	17-12	0740	Sun	134 134 134 1 230 38 230 38 53373 47979 86751 ... 26558 10511 07553 000 000	USB	(AB)
E07	7464	17-12	1800	Sun	485 485 485 000	AM	(AB-GRC)
E07	5864	17-12	1820	Sun	485 485 485 000	AM	(AB)
E07	6823	18-12	2000	Mon	881 881 881 000	USB	(AB/MPJ)
E07	5823	18-12	2020	Mon	881 881 881 000	USB	(AB)
E07	11493	19-12	1100	Tue	411 411 411 000	USB	(AB- GRC/MPJ)
E07	10193	19-12	1120	Tue	411 411 411 000	USB	(AB- GRC/MPJ)
E07	7464	20-12	1800	Wed	485 485 485 000	AM	(AB-GRC)
E07	5864	20-12	1820	Wed	485 485 485 000	AM	(AB)
E07	6823	20-12	2000	Wed	881 881 881 000	USB	(AB/MPJ)
E07	5823	20-12	2020	Wed	881 881 881 000	USB	(AB/MPJ)
E07	6777	21-12	2110	Thu	744 744 744 000	AM	(AB)
E07	5449	21-12	2130	Thu	744 744 744 000	AM	(AB)
E07	11493	22-12	1100	Fri	411 411 411 000	USB	(AB/MPJ)
E07	10193	22-12	1120	Fri	411 411 411 000	USB	(AB/MPJ)
E07	8123	23-12	0700	Sat	134 134 134 000	USB	(AB/BvR)



<b>E07</b>	9323	23-12	0720	Sat	134 134 134 000	USB	(AB/BvR)
<b>E07</b>	8123	24-12	0700	Sun	134 134 134 000	USB	(AB)
<b>E07</b>	9323	24-12	0720	Sun	134 134 134 000	USB	(AB)
<b>E07</b>	7464	24-12	1800	Sun	485 485 485 000	AM	(AB-GRC)
<b>E07</b>	5864	24-12	1820	Sun	485 485 485 000	AM	(AB)
<b>E07</b>	6823	25-12	2000	Mon	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	5823	25-12	2020	Mon	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	5123	25-12	2040	Mon	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	11493	26-12	1100	Tue	411 411 411 000	USB	(AB)
<b>E07</b>	10193	26-12	1120	Tue	411 411 411 000	USB	(AB)
<b>E07</b>	6823	27-12	2000	Wed	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	5823	27-12	2020	Wed	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	5123	27-12	2040	Wed	881 881 881 1 183 56 183 56 86744 43493 44893 ... 57209 11747 37892 000 000	USB	(AB)
<b>E07</b>	6777	28-12	2110	Thu	744 744 744 000	AM	(AB)
<b>E07</b>	5449	28-12	2130	Thu	744 744 744 000	AM	(AB)
<b>E07</b>	11493	29-12	1100	Fri	411 411 411 000	USB	(AB/MPJ)
<b>E07</b>	10193	29-12	1120	Fri	411 411 411 000	USB	(AB/MPJ)
<b>E07</b>	8123	30-12	0700	Sat	134 134 134 000	USB	(AB)
<b>E07</b>	9323	30-12	0720	Sat	134 134 134 000	USB	(AB)
<b>E07</b>	8123	31-12	0700	Sun	134 134 134 000	USB	(AB)
<b>E07</b>	9323	31-12	0720	Sun	134 134 134 000	USB	(AB)
<b>E07</b>	7464	31-12	1800	Sun	485 485 485 000	AM	(AB-GRC)
<b>E07</b>	5864	31-12	1820	Sun	485 485 485 000	AM	(AB)
<b>E07a</b>	5887	1-12	1610	Fri	830 830 830 000	USB	(AB/HFD)
<b>E07a</b>	5387	1-12	1630	Fri	830 830 830 000	USB	(AB/HFD)
<b>E07a</b>	11121	2-12	0900	Sat	124 124 124 000	USB	(AB)
<b>E07a</b>	12221	2-12	0920	Sat	124 124 124 000	USB	(AB)
<b>E07a</b>	5877	6-12	2100	Wed	825 825 825 1 39187 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB)
<b>E07a</b>	5277	6-12	2120	Wed	825 825 825 1 39187 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB/BW3)
<b>E07a</b>	4577	6-12	2140	Wed	825 825 825 1 39187 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB)
<b>E07a</b>	5111	7-12	0530	Thu	189 189 189 1 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB)
<b>E07a</b>	5811	7-12	0550	Thu	189 189 189 1 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB)
<b>E07a</b>	6911	7-12	0610	Thu	189 189 189 1 6743 53 6743 53 62177 48949 60197 ... 43734 89920 26690 000 000	USB	(AB)
<b>E07a</b>	5887	8-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	5387	8-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	11121	9-12	0900	Sat	124 124 124 000	USB	(AB/BvR/H FD)
<b>E07a</b>	12221	9-12	0920	Sat	124 124 124 000	USB	(AB/HFD)
<b>E07a</b>	5877	13-12	2100	Wed	825 825 825 000	USB	(AB)
<b>E07a</b>	5277	13-12	2120	Wed	825 825 825 000	USB	(AB/RL)
<b>E07a</b>	5111	14-12	0530	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	5811	14-12	0550	Thu	189 189 189 000	USB	(AB)
<b>E07a</b>	5887	15-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	5387	15-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	11121	16-12	0900	Sat	124 124 124 000	USB	(AB/BvR)
<b>E07a</b>	12221	16-12	0920	Sat	124 124 124 000	USB	(AB/BvR)
<b>E07a</b>	5877	20-12	2100	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)

<b>E07a</b>	5277	20-12	2120	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	4577	20-12	2140	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5111	21-12	0530	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5811	21-12	0550	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	6911	21-12	0610	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5887	22-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	5387	22-12	1630	Fri	830 830 830 000	USB	(AB/MPJ/G Hn)
<b>E07a</b>	11121	23-12	0900	Sat	124 124 124 000	USB	(AB)
<b>E07a</b>	12221	23-12	0920	Sat	124 124 124 000	USB	(AB)
<b>E07a</b>	5877	27-12	2100	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5277	27-12	2120	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	4577	27-12	2140	Wed	825 825 825 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5111	28-12	0530	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5811	28-12	0550	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	6911	28-12	0610	Thu	189 189 189 1 14946 4414 49 4414 49 25695 14104 56308 ... 79824 03728 29236 000 000	USB	(AB)
<b>E07a</b>	5887	29-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	5387	29-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
<b>E07a</b>	11121	30-12	0900	Sat	124 124 124 000	USB	(AB)
<b>E07a</b>	12221	30-12	0920	Sat	124 124 124 000	USB	(AB)
<b>E11</b>	9200	1-12	0600	Fri	184/00	USB	(AB)
<b>E11</b>	9130	1-12	0710	Fri	639/00	USB	(AB)
<b>E11</b>	17378	1-12	0745	Fri	349/00	USB	(AB)
<b>E11</b>	8800	1-12	1000	Fri	302/00	USB	(AB)
<b>E11</b>	20167	1-12	1225	Fri	522/00	USB	(AB)
<b>E11</b>	10487	1-12	1910	Fri	616/00	USB	(AB/MPJ)
<b>E11</b>	4505	2-12	0710	Sat	495/00	USB	(AB/HFD)
<b>E11</b>	7377	2-12	0805	Sat	312/00	USB	(AB)
<b>E11</b>	8680	2-12	1300	Sat	587/00	USB	(AB)
<b>E11</b>	14666	2-12	1345	Sat	919/00	USB	(AB)
<b>E11</b>	9443	2-12	1705	Sat	392/00	USB	(MPJ)
<b>E11</b>	8545	2-12	1730	Sat	409/00	USB	(MPJ)
<b>E11</b>	11107	2-12	2005	Sat	366/00	USB	(AnEur)
<b>E11</b>	4505	3-12	0710	Sun	497/00	USB	(BvR)
<b>E11</b>	7377	3-12	0805	Sun	313/00	USB	(AB)
<b>E11</b>	4505	3-12	1605	Sun	237/00	USB	(AB/MPJ/G Hn)
<b>E11</b>	10448	3-12	1625	Sun	972/00	USB	(AB/MPL- HOL)
<b>E11</b>	10487	3-12	1910	Sun	614/00	USB	(MPJ)
<b>E11</b>	4909	4-12	0450	Mon	411/00	USB	(AB)
<b>E11</b>	9200	4-12	0600	Mon	185/00	USB	(AB)
<b>E11</b>	11450	4-12	0640	Mon	944/00	USB	(AB)
<b>E11</b>	9446	4-12	0900	Mon	536/00	USB	(AB)
<b>E11</b>	7840	5-12	0645	Tue	512/00	USB	(AB)
<b>E11</b>	12202	5-12	0820	Tue	135/00	USB	(AB)
<b>E11</b>	8800	5-12	1000	Tue	308/00	USB	(AB)
<b>E11</b>	7317	5-12	1205	Tue	465/00	USB	(AB)
<b>E11</b>	14666	5-12	1345	Tue	918/00	USB	(AB)

E11	4505	5-12	1605	Tue	231/00	USB	(AB)
E11	11450	6-12	0640	Wed	946/00	USB	(AB)
E11	17378	6-12	0745	Wed	347/00	USB	(AB)
E11	12202	6-12	0820	Wed	130/00	USB	(AnEur)
E11	9446	6-12	0900	Wed	534/00	USB	(AB)
E11	8180	6-12	0930	Wed	270/00	USB	(AB)
E11	7317	6-12	1205	Wed	460/00	USB	(AB)
E11	10448	6-12	1625	Wed	970/00	USB	(AB/GHn)
E11	9443	6-12	1705	Wed	390/00	USB	(AB/MPJ)
E11	8545	6-12	1730	Wed	403/00	USB	(AB/MPJ)
E11	7840	7-12	0645	Thu	510/00	USB	(AB)
E11	8180	7-12	0930	Thu	271/00	USB	(AB)
E11	8680	7-12	1300	Thu	588/00	USB	(AB/MPJ)
E11	11493	7-12	1645	Thu	337/00	USB	(AB/MPJ)
E11	5779	7-12	1730	Thu	415/00	USB	(AB/MPJ)
E11	9200	8-12	0600	Fri	184/00	USB	(AB)
E11	8800	8-12	1000	Fri	300/00	USB	(AB/MPJ)
E11	10487	8-12	1910	Fri	614/00	USB	(AB/MPJ)
E11	4505	9-12	0710	Sat	497/00	USB	(AB/BvR)
E11	7377	9-12	0805	Sat	319/00	USB	(AB)
E11	8680	9-12	1300	Sat	589/00	USB	(MPJ/BvR)
E11	14666	9-12	1345	Sat	914/00	USB	(AB/MPJ)
E11	9443	9-12	1705	Sat	393/00	USB	(AB/MPJ)
E11	8545	9-12	1730	Sat	403/00	USB	(AB/MPJ)
E11	4505	10-12	0710	Sun	497/00	USB	(AB)
E11	7377	10-12	0805	Sun	313/00	USB	(AB)
E11	4505	10-12	1605	Sun	237/00	USB	(AB/GHn/ MPJ)
E11	10448	10-12	1625	Sun	972/00	USB	(AB/GHn/ MPJ)
E11	16335	10-12	1650	Sun	927/00	USB	(AB/MPJ)
E11	10487	10-12	1910	Sun	617/00	USB	(AB/MPJ)
E11	11107	10-12	2005	Sun	360/00	USB	(MPJ)
E11	9200	11-12	0600	Mon	184/00	USB	(AB)
E11	11450	11-12	0640	Mon	944/00	USB	(AB)
E11	7984	11-12	0820	Mon	438/00	USB	(AB)
E11	9446	11-12	0900	Mon	533/00	USB	(AB)
E11	20167	11-12	1225	Mon	521/00	USB	(MPJ-AUT)
E11	9130	12-12	0710	Tue	634/00	USB	(AB)
E11	12202	12-12	0820	Tue	136/00	USB	(AB)
E11	11104	12-12	0845	Tue	156/00	USB	(AB)
E11	8800	12-12	1000	Tue	300/00	USB	(AB)
E11	12153	12-12	1045	Tue	577/00	USB	(AB/MPJ)
E11	7317	12-12	1205	Tue	466/00	USB	(AB/MPJ)
E11	4505	12-12	1605	Tue	237/00	USB	(AB/GHn)
E11	12067	12-12	1925	Tue	553/00	USB	(AB/MPJ)
E11	5779	13-12	0315	Wed	250/00	USB	(AB)
E11	11450	13-12	0640	Wed	942/00	USB	(AB)
E11	17378	13-12	0745	Wed	349/00	USB	(AB)
E11	12202	13-12	0820	Wed	136/00	USB	(AnEur)
E11	9446	13-12	0900	Wed	535/00	USB	(AB)
E11	7317	13-12	1205	Wed	469/00	USB	(AB/MPJ)
E11	9443	13-12	1705	Wed	390/00	USB	(AB/MPJ)
E11	7984	14-12	0820	Thu	436/00	USB	(AB)
E11	11104	14-12	0845	Thu	152/00	USB	(AB)
E11	5409	14-12	1530	Thu	267/00	USB	(AB/GHn/ MPJ)
E11	5779	14-12	1730	Thu	415/00	USB	(AB/MPJ)
E11	6849	14-12	1900	Thu	649/00	USB	(AB)
E11	12067	14-12	1925	Thu	550/00	USB	(AB/MPJ)

E11	9200	15-12	0600	Fri	181/00	USB	(AB)
E11	9130	15-12	0710	Fri	634/00	USB	(AB)
E11	17378	15-12	0745	Fri	349/00	USB	(AB)
E11	8800	15-12	1000	Fri	305/00	USB	(AB)
E11	4505	16-12	0710	Sat	496/00	USB	(AB/BvR)
E11	7377	16-12	0805	Sat	311/00	USB	(BvR)
E11	9443	16-12	1705	Sat	392/00	USB	(MPJ)
E11	4505	17-12	0710	Sun	496/00	USB	(AB)
E11	7377	17-12	0805	Sun	312/00	USB	(AB)
E11	4505	17-12	1605	Sun	231/00	USB	(AB/GHn)
E11	16335	17-12	1650	Sun	922/00	USB	(MPJ)
E11	10213	18-12	0745	Mon	268/00	USB	(AB)
E11	7984	18-12	0820	Mon	439/00	USB	(AB)
E11	20167	18-12	1225	Mon	522/00	USB	(AB-AUT/MPJ-AUT)
E11	6849	18-12	1900	Mon	646/00	USB	(AB/MPJ)
E11	7840	19-12	0645	Tue	512/00	USB	(AB)
E11	12153	19-12	1045	Tue	570/00	USB	(AB-GRC)
E11	14666	19-12	1345	Tue	912/00	USB	(AB-GRC/MPJ)
E11	4505	19-12	1605	Tue	230/00	USB	(AB/GHn/MPJ)
E11	12067	19-12	1925	Tue	557/00	USB	(MPJ-I)
E11	8180	20-12	0930	Wed	278/00	USB	(AB)
E11	10448	20-12	1625	Wed	975/00	USB	(AB/BW3-POL/MPJ)
E11	5779	21-12	0315	Thu	253/00	USB	(AB)
E11	5779	21-12	0315	Thu	253/00	USB	(AB)
E11	7840	21-12	0645	Thu	512/00	USB	(AB)
E11	7984	21-12	0820	Thu	438/00	USB	(AB)
E11	8180	21-12	0930	Thu	277/00	USB	(AB)
E11	8680	21-12	1300	Thu	583/00	USB	(AB/MPJ)
E11	5409	21-12	1530	Thu	268/00	USB	(AB/MPJ)
E11	11493	21-12	1645	Thu	334/00	USB	(AB/MPJ)
E11	5779	21-12	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	21-12	1900	Thu	648/00	USB	(AB/MPJ)
E11	6849	21-12	1900	Thu	648/00	USB	(HFD)
E11	12067	21-12	1925	Thu	550/00	USB	(AB/MPJ)
E11	4828	22-12	0455	Fri	327/00 ?? barely audible	USB	(AB)
E11	20167	22-12	1225	Fri	521/00	USB	(MPJ-I)
E11	10487	22-12	1910	Fri	616/00	USB	(MPJ)
E11	8680	23-12	1300	Sat	589/00	USB	(AB/MPJ)
E11	14666	23-12	1345	Sat	914/00	USB	(AB/MPJ)
E11	8545	23-12	1730	Sat	403/00	USB	(AB)
E11	11107	23-12	2005	Sat	365/00	USB	(AnEur)
E11	7377	24-12	0805	Sun	311/00	USB	(AB)
E11	4505	24-12	1605	Sun	232/00	USB	(AB)
E11	10448	24-12	1625	Sun	970/00	USB	(AB)
E11	16335	24-12	1650	Sun	924/00	USB	(MPJ)
E11	9200	25-12	0600	Mon	188/00	USB	(AB)
E11	10213	25-12	0745	Mon	268/00	USB	(AB)
E11	7984	25-12	0820	Mon	430/00	USB	(AB)
E11	9446	25-12	0900	Mon	532/00	USB	(AB)
E11	7840	26-12	0645	Tue	518/00	USB	(AB)
E11	12202	26-12	0820	Tue	136/00	USB	(AB)
E11	11104	26-12	0845	Tue	155/00	USB	(AB)
E11	8800	26-12	1000	Tue	306/00	USB	(AB)
E11	7317	26-12	1205	Tue	460/00	USB	(AB)
E11	11493	26-12	1645	Tue	334/00	USB	(AB)

E11	12067	26-12	1925	Tue	556/00	USB	(AB)
E11	5779	27-12	0315	Wed	251/00	USB	(BW3-POL)
E11	11450	27-12	0640	Wed	946/00	USB	(AB)
E11	9446	27-12	0900	Wed	536/00	USB	(AB)
E11	8180	27-12	0930	Wed	273/00	USB	(AB)
E11	7317	27-12	1205	Wed	462/00	USB	(AB)
E11	10448	27-12	1625	Wed	970/00	USB	(MPJ)
E11	9443	27-12	1705	Wed	392/00	USB	(MPJ)
E11	8545	27-12	1730	Wed	403/00	USB	(MPJ)
E11	7840	28-12	0645	Thu	518/00	USB	(AB)
E11	7984	28-12	0820	Thu	438/00	USB	(AB)
E11	11104	28-12	0845	Thu	159/00	USB	(AB)
E11	8180	28-12	0930	Thu	279/00	USB	(AB)
E11	5409	28-12	1530	Thu	262/00	USB	(AB/GHn/ MPJ)
E11	11493	28-12	1645	Thu	331/00	USB	(AB/MPJ)
E11	12067	28-12	1925	Thu	552/00	USB	(AB/BW3- POL)
E11	9200	29-12	0600	Fri	182/00	USB	(AB)
E11	17378	29-12	0745	Fri	343/00	USB	(AB-UKR)
E11	8800	29-12	1000	Fri	300/00	USB	(AB)
E11	10487	29-12	1910	Fri	617/00	USB	(AB/MPJ)
E11	4505	30-12	0710	Sat	490/00	USB	(AB)
E11	8680	30-12	1300	Sat	586/00	USB	(AB/MPJ)
E11	14666	30-12	1345	Sat	911/00	USB	(AB- GRC/MPJ)
E11	9443	30-12	1705	Sat	393/00	USB	(AB/MPJ)
E11	8545	30-12	1730	Sat	406/00	USB	(AB/MPJ)
E11	4505	31-12	0710	Sun	495/00	USB	(AB)
E11	10448	31-12	1625	Sun	978/00	USB	(AB/MPJ)
E11a	10213	4-12	0745	Mon	264/37 Attention 96931 15226 19656 ... 48423 17685 77143 Attention, rpt msg, out	USB	(AB)
E11a	7984	4-12	0820	Mon	434/32 Attention 50920 00583 53324 ... 21524 79091 79598 Attention, rpt msg, out	USB	(AB)
E11a	9130	5-12	0710	Tue	637/32 Attention 74645 96415 31673 ... 52545 91625 81288 Attention, rpt msg, out	USB	(AB)
E11a	12153	5-12	1045	Tue	570/36 Attention 35807 54156 59409 ... 35382 65864 84977 Attention, rpt msg, out	USB	(AB)
E11a	7984	7-12	0820	Thu	434/32 Attention 50920 00583 53324 ... 21524 79091 79598 Attention, rpt msg, out	USB	(AB)
E11a	5409	7-12	1530	Thu	264/37 Attention 96931 15226 19656 ... 48423 17685 77143 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	12067	7-12	1925	Thu	552/35 Attention 69835 60296 63629 ... 55759 10634 59028 Attention, rpt msg, out	USB	(AB-GRC)
E11a	9130	8-12	0710	Fri	637/32 Attention 74645 96415 31673 ... 52545 91625 81288 Attention, rpt msg, out	USB	(AB)
E11a	7840	12-12	0645	Tue	511/33 Attention 15032 97425 39135 ... 80894 96550 22962 Attention, rpt msg, out	USB	(AB)
E11a	14666	12-12	1345	Tue	919/36 Attention 99080 34837 75115 ... 22695 31926 71161 Attention, rpt msg, out	USB	(AB/GHn)
E11a	11493	12-12	1645	Tue	330/37 Attention 84720 27086 01155 ... 28203 85203 98669 Attention, rpt msg, out	USB	(AB)
E11a	8180	13-12	0930	Wed	276/35 Attention 51008 22900 46825 ... 83582 05159 39954 Attention, rpt msg, out	USB	(AB)
E11a	10448	13-12	1625	Wed	974/33 Attention 11330 76792 69428 ... 10426 67627 98249 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8545	13-12	1730	Wed	400/38 Attention ...	USB	(AB/MPJ)
E11a	7840	14-12	0645	Thu	511/33 Attention 15032 97425 39135 ... 80894 96550 22962 Attention, rpt msg, out	USB	(AB)
E11a	8680	14-12	1300	Thu	589/39 Attention 02119 30729 93203 ... 22587	USB	(AB)

					88937 95903 Attention, rpt msg, out		
E11a	11493	14-12	1645	Thu	330/37 Attention 84720 27086 01155 ... 28203 85203 98669 Attention, rpt msg, out	USB	(AB)
E11a	10487	15-12	1910	Fri	618/40 19232 60840 89598 ... 76133 61450 28215	USB	(MPJ-AUT)
E11a	8680	16-12	1300	Sat	589/39 Attention 02119 30729 93203 ... 22587 88937 95903 Attention, rpt msg, out	USB	(MPJ)
E11a	14666	16-12	1345	Sat	919/36 Attention 99080 34837 75115 ... 22695 31926 71161 Attention, rpt msg, out	USB	(MPJ)
E11a	8545	16-12	1730	Sat	400/38 Attention 35261 10727 63522 ... 66866 ? 03858 84212	USB	(MPJ)
E11a	10448	17-12	1625	Sun	974/33 Attention 11330 76792 69428 ... 10426 67627 98249 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	11107	17-12	2005	Sun	366/35 Attention 70663 67776 87717 ...	USB	(MPJ-AUT)
E11a	9200	18-12	0600	Mon	182/21 Attention 58589 97032 18388 ... 94776 78506 06971 Attention, rpt msg, out	USB	(AB)
E11a	11450	18-12	0640	Mon	940/35 Attention 12994 46924 28861 ... 62390 09740 71011 Attention, rpt msg, out	USB	(AB)
E11a	9446	18-12	0900	Mon	534/37 Attention 65827 52714 98049 ... 29864 59326 69654 Attention, rpt msg, out	USB	(AB)
E11a	12202	19-12	0820	Tue	131/32 Attention 01243 14342 08932 ... 33662 81688 59688 Attention, rpt msg, out	USB	(AB-GRC)
E11a	11104	19-12	0845	Tue	159/23 Attention 64463 40817 22492 ... 62373 37984 41227 Attention, rpt msg, out	USB	(AB)
E11a	8800	19-12	1000	Tue	307/21 Attention 93706 19056 38434 ... 77138 61949 56746 Attention, rpt msg, out	USB	(AB)
E11a	7317	19-12	1205	Tue	464/33 Attention 51342 13394 12092 ... 30737 97062 20279 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	11450	20-12	0640	Wed	940/35 Attention 12994 46924 28861 ... 62390 09740 71011 Attention, rpt msg, out	USB	(AB)
E11a	12202	20-12	0820	Wed	131/32 Attention 01243 14342 08932 ... 33662 81688 59688 Attention, rpt msg, out	USB	(AB-GRC)
E11a	9446	20-12	0900	Wed	534/37 Attention 65827 52714 98049 ... 29864 59326 69654 Attention, rpt msg, out	USB	(AB)
E11a	7317	20-12	1205	Wed	464/33 Attention 51342 13394 12092 ... 30737 97062 20279 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9443	20-12	1705	Wed	396/33 Attention 04446 23279 30306 ... 82369 50796 89633 Attention, rpt msg, out	USB	(MPJ-AUT)
E11a	11104	21-12	0845	Thu	159/23 Attention 64463 40817 22492 ... 62373 37984 41227 Attention, rpt msg, out	USB	(AB)
E11a	9200	22-12	0600	Fri	182/21 Attention 58589 97032 18388 ... 94776 78506 06971 Attention, rpt msg, out	USB	(AB)
E11a	17378	22-12	0745	Fri	348/32 Attention ...	USB	(AB-UKR)
E11a	8800	22-12	1000	Fri	307/21 Attention 93706 19056 38434 ... 77138 61949 56746 Attention, rpt msg, out	USB	(AB/BvR)
E11a	4505	23-12	0710	Sat	497/33 Attention 70094 37071 79707 ... 32120 93253 41956 Attention, rpt msg, out	USB	(AB)
E11a	9443	23-12	1705	Sat	396/33 Attention 04446 23279 30306 ... 82369 50796 89633 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	4505	24-12	0710	Sun	497/33 Attention 70094 37071 79707 ... 32120 93253 41956 Attention, rpt msg, out	USB	(AB)
E11a	4909	25-12	0450	Mon	410/40 Attention 52024 09673 30258 ... 37997 83553 77061 Attention, rpt msg, out	USB	(AB)
E11a	4505	26-12	1605	Tue	237/35 Attention 80676 39146 99182 ... 10717 35302 95775 Attention, rpt msg, out	USB	(AB/GHn/ MPJ)
E11a	5779	28-12	1730	Thu	410/40 Attention 52024 09673 30258 ... 37997 83553 77061 Attention, rpt msg, out	USB	(AB/ML4/ MPJ)
E11a	6849	28-12	1900	Thu	643/37 Attention 36789 61690 75632 ... 69976 83926 41075 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	16335	29-12	1650	Fri	925/39 Attention 81317 43562 28068 ... 13575	USB	(AB/MPJ-



					13755 23515 Attention, rpt msg, out		HOL)
E11a	7377	30-12	0805	Sat	316/32 Attention 33539 88797 53035 ... 29548 35396 72833 Attention, rpt msg, out	USB	(AnEur)
E11a	7377	31-12	0805	Sun	316/32 Attention 33539 88797 53035 ... 29548 35396 72833 Attention, rpt msg, out	USB	(AB)
E11a	4505	31-12	1605	Sun	237/35 Attention 80676 39146 99182 ... 10717 35302 95775 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	16335	31-12	1650	Sun	925/39 Attention 81317 43562 28068 ... 13575 13755 23515 Attention, rpt msg, out	USB	(AB)
E17z	11170	7-12	0800	Thu	674 890 5 11394 30307 31450 38153 39650 890 5 00000	USB	(AB)
E17z	9820	7-12	0810	Thu	674 890 5 11394 30307 31450 38153 39650 890 5 00000	USB	(AB)
E17z	11170	14-12	0800	Thu	674 890 5 11394 30307 31450 38153 39650 890 5 00000	USB	(AB)
E17z	9820	14-12	0810	Thu	674 890 5 11394 30307 31450 38153 39650 890 5 00000	USB	(AB)
E17z	11170	21-12	0800	Thu	674 281 5 51326 41878 48807 28229 33118 281 5 00000	USB	(AB)
E17z	9820	21-12	0810	Thu	674 281 5 51326 41878 48807 28229 33118 281 5 00000	USB	(AB)
E17z	11170	28-12	0800	Thu	674 281 5 51326 41878 48807 28229 33118 281 5 00000	USB	(AB)
E17z	9820	28-12	0810	Thu	674 281 5 51326 41878 48807 28229 33118 281 5 00000	USB	(AB)
E25	6140	5-12	0819	Tue	Male operator. Live with errors. 333 (rptd) 3080 7580 3307 6559 0176 0789 9738 7580	AM	(dmhz-ISR)
E25	6140	5-12	0831	Tue	Male operator. Live with errors. 333 (rptd) 3080 7580 3307 6559 0176 0789 9738 7580	AM	(dmhz-ISR)
E25	6140	5-12	0930	Tue	Male operator. Live. 333 (rptd) 3080 7580 3307 6559 0176 0789 9738 7580	AM	(dmhz-ISR)
E25	6140	6-12	0903	Wed	Live male voice. 333 Message 3080 7580 3307 6559 0176 0789 9738 7580 EOM EOT	AM	(dmhz/qsr 711)
E25	6140	6-12	0905	Wed	Live male voice, background voices. 3080 7580 3307 6559 10 stops Rebeat 3080 7589 3307 6559 1076 0789 97 stops	AM	(dmhz/qsr 711)
E25	6140	6-12	0930	Wed	Live male voice. 333 Message 3080 7580 3307 6559 1076 0789 0738 7580 rebate 3080 7580 3307 6559 1076 0789 0738 7580 EOM EOT	AM	(dmhz/qsr 711)
EGY	12223.7	5-12	1423	Tue	Egyptian diplo i.p. Ends with: KDHQ ODS KDKPKPSR LDK KDKTHSKCSR HUXD +?	SITOR-A 100/170	(AB)
EGY	14506.7	7-12	1421	Thu	MFA Cairo and Embassy Algiers setting up link	SITOR-A 100/170	(MCO)
EGY	14505	7-12	1422	Thu	MFA Cairo (99904) and Embassy Algiers (1) set- ting up link	80bd Codan Chirp	(MCO)
EGY	12126.7	20-12	1318	Wed	MFA Cairo msg for OOVp: Egyptian embassy, Islamabad	SITOR-A 100/170	(AB)
EGY	9006.7	20-12	2205	Wed	71: MFA/military Intelligence Cairo msg to Eryp- tian embassy, Washington	SITOR-A 100/170	(Phi)
F01	15765	1-12	2230	Fri	Russian diplo/intel. Header: 11177 00116 46592 01048 02079	FSK 200/500	(Danix- USA)
F01	18169	1-12	2230	Fri	Russian diplo/intel. Header: 11177 00116 46592 01048 02079	FSK 200/500	(Danix- USA)
F01	7682	6-12	1940	Wed	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB- RUS/MPJ/ Danix)
F01	5326	6-12	1950	Wed	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB/MPJ/D anix)
F01	4029	6-12	2000	Wed	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB/Danix)

<b>F01</b>	7684	8-12	1940	Fri	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB/MPJ)
<b>F01</b>	5326	8-12	1950	Fri	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB/MPJ/H FD)
<b>F01</b>	4029	8-12	2000	Fri	Russian diplo/intel. 40138 01555 12737 ... 10698 47400 53222 00000	FSK 200/500	(AB/MPJ/H FD)
<b>F01</b>	18169	29-12	2230	Fri	Russian diplo/intel. Header: 11177 00116 87592 28052 01689	FSK 200/500	(Danix-USA)
<b>F01</b>	15765	29-12	2240	Fri	Russian diplo/intel. Header: 11177 00116 87592 28052 01689	FSK 200/500	(Danix-USA)
<b>F01</b>	18169	29-12	2330	Fri	Russian diplo/intel. Header: 11177 00116 87592 28052 01689	FSK 200/500	(Danix-USA)
<b>F01</b>	15765	29-12	2340	Fri	Russian diplo/intel. Header: 11177 00116 87592 28052 01689	FSK 200/500	(Danix-USA)
<b>F03a</b>	6480	5-12	1800	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	5-12	1805	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	7-12	0835	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	7-12	0840	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	7-12	1800	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	7-12	1805	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	12-12	0835	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	12-12	0840	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	12-12	1800	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	12-12	1805	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	14-12	0835	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	14-12	0840	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	14-12	1800	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	14-12	1805	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	19-12	0835	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	19-12	0840	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	19-12	1800	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	19-12	1805	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	21-12	0835	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	21-12	0840	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	21-12	1800	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	21-12	1805	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	26-12	0835	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	26-12	0840	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	26-12	1800	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	6480	26-12	1805	Tue	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	28-12	0835	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03a</b>	10200	28-12	0840	Thu	Polish Intel.	FSK 100/200	(AB)
<b>F03b</b>	12424	1-12	0843	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	1-12	0848	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	4-12	1000	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	4-12	1005	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	5-12	0808	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	5-12	0813	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	7-12	1000	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	7-12	1005	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	8-12	0843	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	8-12	0848	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	11-12	1000	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	11-12	1005	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	12-12	0808	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	12-12	0813	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	14-12	1000	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	14-12	1005	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	15-12	0843	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	15-12	0848	Fri	Polish Intel.	FSK 200/400	(AB)



<b>F03b</b>	9960	18-12	1000	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	18-12	1005	Mon	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	19-12	0808	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	19-12	0813	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	21-12	1000	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	21-12	1005	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	22-12	0843	Fri	Polish Intel.	FSK 200/400	(AB-GRC)
<b>F03b</b>	12424	22-12	0848	Fri	Polish Intel.	FSK 200/400	(AB-GRC)
<b>F03b</b>	12424	26-12	0808	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	26-12	0813	Tue	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	28-12	1000	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	9960	28-12	1005	Thu	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	29-12	0843	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03b</b>	12424	29-12	0848	Fri	Polish Intel.	FSK 200/400	(AB)
<b>F03c</b>	8800	1-12	0940	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	1-12	0945	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	8-12	0940	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	8-12	0945	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	11-12	0940	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	11-12	0945	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	15-12	0940	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	15-12	0945	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	18-12	0940	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	18-12	0945	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	25-12	0940	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	25-12	0945	Mon	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	29-12	0940	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F03c</b>	8800	29-12	0945	Fri	Polish Intel.	FSK 400/960	(AB)
<b>F06</b>	20227	1-12	1353	Fri	Russian diplo/intel via Cuba. Header: 11100 00103 48512 01001 02019	FSK 200/1000	(MCO)
<b>F06</b>	18397	1-12	1355	Fri	Russian diplo/intel via Cuba. Header: 11100 00103 48512 01001 02019	FSK 200/1000	(MCO)
<b>F06</b>	15623	2-12	1100	Sat	Russian diplo/intel. 11166 50046 16537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
<b>F06</b>	13854	2-12	1110	Sat	Russian diplo/intel. 11166 50046 16537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
<b>F06</b>	11586	2-12	1120	Sat	Russian diplo/intel. 11166 50046 16537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/ MPJ)
<b>F06</b>	20648	2-12	1500	Sat	Russian diplo/intel. 11166 40133 12537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
<b>F06</b>	18483	2-12	1510	Sat	Russian diplo/intel. 11166 40133 12537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(Da- nix/MPJ)
<b>F06</b>	16196	2-12	1520	Sat	Russian diplo/intel. 11166 40133 12537 02001 00049 00000 00000 00000 00000	FSK 200/1000	(Da- nix/MPJ)
<b>F06</b>	6788	4-12	0500	Mon	Russian diplo/intel. 11166 70059 32489 04019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5384	4-12	0510	Mon	Russian diplo/intel. 11166 70059 32489 04019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	4454	4-12	0520	Mon	Russian diplo/intel. 11166 70059 32489 04019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	12133	5-12	1500	Tue	Russian diplo/intel. 11166 00052 76921 05076 00049 000000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	10274	5-12	1510	Tue	Russian diplo/intel. 11166 00052 76921 05076 00049 000000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	8148	5-12	1520	Tue	Russian diplo/intel. 11166 00052 76921 05076 00049 000000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	9328	5-12	1650	Tue	Russian diplo/intel. 11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	7928	5-12	1700	Tue	Russian diplo/intel. 11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)

F06	6783	5-12	1710	Tue	Russian diplo/intel. 11166 10053 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	20157	6-12	0600	Wed	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	18241	6-12	0610	Wed	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	16204	6-12	0620	Wed	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	18039	6-12	0800	Wed	Russian diplo/intel. 11166 70048 52147 06003 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	16204	6-12	0810	Wed	Russian diplo/intel. 11166 70048 52147 06003 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	14363	6-12	0820	Wed	Russian diplo/intel. 11166 70048 52147 06003 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	20157	7-12	0600	Thu	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	18241	7-12	0610	Thu	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	16204	7-12	0620	Thu	Russian diplo/intel. Header: 11166 40122 15207 02051 03359	FSK 200/1000	(AB-PHL)
F06	10968	7-12	1330	Thu	Russian diplo/intel. 11166 80214 57184 07069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	7-12	1350	Thu	Russian diplo/intel. 11166 80214 57184 07069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13938	9-12	0900	Sat	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)
F06	12136	9-12	0910	Sat	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)
F06	10314	9-12	0920	Sat	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)
F06	20951	9-12	0950	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	20951	9-12	1000	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB)
F06	18643	9-12	1010	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/BvR)
F06	16314	9-12	1020	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/BvR)
F06	15623	9-12	1100	Sat	Russian diplo/intel. 11166 50046 13579 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/B vR)
F06	13854	9-12	1110	Sat	Russian diplo/intel. 11166 50046 13579 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/B vR)
F06	11586	9-12	1120	Sat	Russian diplo/intel. 11166 50046 13579 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20648	9-12	1450	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646 4646464646464646 4646464646464646	FSK 200/1000	(AB-RUS)
F06	20648	9-12	1500	Sat	Russian diplo/intel. 11166 40133 36987 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/RL)
F06	18483	9-12	1510	Sat	Russian diplo/intel. 11166 40133 36987 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/RL)
F06	16196	9-12	1520	Sat	Russian diplo/intel. 11166 40133 36987 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB- RUS/RL)
F06	13938	10-12	0900	Sun	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)
F06	12136	10-12	0910	Sun	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)
F06	10314	10-12	0920	Sun	Russian diplo/intel. Header: 11166 70147 28315 08071 01709	FSK 200/1000	(AB)

<b>F06</b>	20951	10-12	1000	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB)
<b>F06</b>	18643	10-12	1010	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/MPJ)
<b>F06</b>	16314	10-12	1020	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9416	10-12	1520	Sun	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
<b>F06</b>	9416	10-12	1530	Sun	Russian diplo/intel. 11166 10053 91735 10001 00049 000000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	7836	10-12	1540	Sun	Russian diplo/intel. 11166 10053 91735 10001 00049 000000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	6785	10-12	1550	Sun	Russian diplo/intel. 11166 10053 91735 10001 00049 000000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	12133	12-12	1451	Tue	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
<b>F06</b>	12133	12-12	1500	Tue	Russian diplo/intel. 11166 00052 12305 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	10274	12-12	1510	Tue	Russian diplo/intel. 11166 00052 12305 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	8148	12-12	1520	Tue	Russian diplo/intel. 11166 00052 12305 12026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9328	12-12	1650	Tue	Russian diplo/intel. 11166 10053 59681 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	7928	12-12	1700	Tue	Russian diplo/intel. 11166 10053 59681 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	6783	12-12	1710	Tue	Russian diplo/intel. 11166 10053 59681 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	20157	13-12	0600	Wed	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-KOR)
<b>F06</b>	18241	13-12	0610	Wed	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-KOR)
<b>F06</b>	16204	13-12	0620	Wed	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-PHL)
<b>F06</b>	18039	13-12	0800	Wed	Russian diplo/intel. 11166 70048 53148 13079 00049 00000 00000 00000 00000	FSK 200/100	(AB)
<b>F06</b>	16204	13-12	0810	Wed	Russian diplo/intel. 11166 70048 52147 06003 00049 00000 00000 00000 00000	FSK 200/100	(AB)
<b>F06</b>	14363	13-12	0820	Wed	Russian diplo/intel. 11166 70048 52147 06003 00049 00000 00000 00000 00000	FSK 200/100	(AB)
<b>F06</b>	20875	13-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB-RUS)
<b>F06</b>	18747	13-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB)
<b>F06</b>	16316	13-12	0920	Wed	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB)
<b>F06</b>	18046	13-12	1015	Wed	Russian diplo/intel. 11166 10031 13579 13001 00049 00000 00000 00000 00000	FSK 200/100	(AB-RUS/MPJ/RL)
<b>F06</b>	16326	13-12	1025	Wed	Russian diplo/intel. 11166 10031 13579 13001 00049 00000 00000 00000 00000	FSK 200/100	(AB-RUS/MPJ)
<b>F06</b>	14945	13-12	1035	Wed	Russian diplo/intel. 11166 10031 13579 13001 00049 00000 00000 00000 00000	FSK 200/100	(AB-RUS/MPJ/RL)
<b>F06</b>	20157	14-12	0600	Thu	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-NZL)

<b>F06</b>	18241	14-12	0610	Thu	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-NZL)
<b>F06</b>	16204	14-12	0620	Thu	Russian diplo/intel. Headers: 11166 40122 96321 09052 03029 and 11166 40122 02471 09053 02579	FSK 200/1000	(AB-NZL)
<b>F06</b>	20875	14-12	0900	Thu	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB-RUS)
<b>F06</b>	18747	14-12	0910	Thu	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB)
<b>F06</b>	16316	14-12	0920	Thu	Russian diplo/intel. Header: 11166 00052 83627 21022 02229	FSK 200/1000	(AB)
<b>F06</b>	10968	14-12	1321	Thu	Russian diplo/intel. Test: 4646464646464646	FSK 200/1000	(AB/MPJ)
<b>F06</b>	10968	14-12	1330	Thu	Russian diplo/intel. 11166 80214 45613 14056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	7963	14-12	1350	Thu	Russian diplo/intel. 11166 80214 45613 14056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	15623	16-12	1100	Sat	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/Danix/MPJ/BvR)
<b>F06</b>	13854	16-12	1110	Sat	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/Danix/MPJ/BvR)
<b>F06</b>	11586	16-12	1120	Sat	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	20648	16-12	1500	Sat	Russian diplo/intel. 11166 40133 35791 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	18483	16-12	1510	Sat	Russian diplo/intel. 11166 40133 35791 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	16196	16-12	1520	Sat	Russian diplo/intel. 11166 40133 35791 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	15623	17-12	1100	Sun	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	13854	17-12	1110	Sun	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	11586	17-12	1120	Sun	Russian diplo/intel. Header: 11166 50046 76415 15019 02049	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	9416	17-12	1520	Sun	Russian diplo/intel. Test: 4646464646464646	FSK 200/1000	(AB)
<b>F06</b>	9416	17-12	1530	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	7836	17-12	1540	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	6785	17-12	1550	Sun	Russian diplo/intel. 11166 10053 13579 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/Danix)
<b>F06</b>	6788	18-12	0500	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5384	18-12	0510	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	4454	18-12	0520	Mon	Russian diplo/intel. 11166 70059 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	12133	19-12	1500	Tue	Russian diplo/intel. 11166 00052 45678 19090 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	10274	19-12	1510	Tue	Russian diplo/intel. 11166 00052 45678 19090 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	8148	19-12	1520	Tue	Russian diplo/intel. 11166 00052 45678 19090 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	9328	19-12	1650	Tue	Russian diplo/intel. 11166 10053 34570 19067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix/MPJ)
<b>F06</b>	7928	19-12	1700	Tue	Russian diplo/intel. 11166 10053 34570 19067	FSK 200/1000	(AB-

					00049 00000 00000 00000 00000		RUS/Danix /MPJ)
F06	6783	19-12	1710	Tue	Russian diplo/intel. 11166 10053 34570 19067 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix /MPJ)
F06	20157	20-12	0600	Wed	Russian diplo/intel. 11166 40122 45678 20039 00049 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	18241	20-12	0610	Wed	Russian diplo/intel. 11166 40122 45678 20039 00049 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	16204	20-12	0620	Wed	Russian diplo/intel. 11166 40122 45678 20039 00049 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	18039	20-12	0800	Wed	Russian diplo/intel. 11166 70048 29647 20041 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	16204	20-12	0810	Wed	Russian diplo/intel. 11166 70048 29647 20041 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	14363	20-12	0820	Wed	Russian diplo/intel. 11166 70048 29647 20041 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	10968	21-12	1330	Thu	Russian diplo/intel. 11166 80214 59623 21264 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	21-12	1350	Thu	Russian diplo/intel. 11166 80214 59623 21264 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16130	23-12	0900	Sat	Russian diplo/intel. Header: 11166 70147 95783 22072 02249	FSK 200/1000	(Danix)
F06	14363	23-12	0910	Sat	Russian diplo/intel. Header: 11166 70147 95783 22072 02249	FSK 200/1000	(Danix)
F06	12216	23-12	0920	Sat	Russian diplo/intel. Header: 11166 70147 95783 22072 02249	FSK 200/1000	(AB/Danix)
F06	20951	23-12	1000	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909 62365	FSK 200/1000	(AB-GRC/Danix )
F06	18643	23-12	1010	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909 62365	FSK 200/1000	(AB-GRC/Danix )
F06	16314	23-12	1020	Sat	Russian diplo/intel. Header: 11166 70004 71290 08002 00909 62365	FSK 200/1000	(AB/Danix)
F06	15623	23-12	1050	Sat	Russian diplo/intel. Test in FSK 200/500 instead of 200/1000	FSK 200/500	(AB)
F06	15623	23-12	1100	Sat	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix/MPJ)
F06	13854	23-12	1110	Sat	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix/MPJ)
F06	11586	23-12	1120	Sat	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix/MPJ)
F06	15680	23-12	1310	Sat	Russian diplo/intel. Two headers, one message: 11166 30011 75319 23003 06909 and 11177 40485 00000 21084 06849	FSK 200/1000	(Danix)
F06	10739	23-12	1320	Sat	Russian diplo/intel. Two headers, one message: 11166 30011 75319 23003 06909 and 11177 40485 00000 21084 06849	FSK 200/1000	(Danix)
F06	20648	23-12	1500	Sat	Russian diplo/intel. 11166 40133 14579 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB-UKR/Danix /MPJ)
F06	18483	23-12	1510	Sat	Russian diplo/intel. 11166 40133 14579 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB-UKR/Danix /MPJ)
F06	16196	23-12	1520	Sat	Russian diplo/intel. 11166 40133 14579 23036 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	16130	24-12	0900	Sun	Russian diplo/intel. Header: 11166 70147 95783 22072 02249	FSK 200/1000	(AB/Danix)
F06	14363	24-12	0910	Sun	Russian diplo/intel. Header: 11166 70147 95783	FSK 200/1000	(AN/Danix)

					22072 02249		
F06	12216	24-12	0920	Sun	Russian diplo/intel. Header: 11166 70147 95783 22072 02249	FSK 200/1000	(AB/Danix)
F06	20951	24-12	1000	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/Danix)
F06	18643	24-12	1010	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/Danix)
F06	16314	24-12	1020	Sun	Russian diplo/intel. Header: 11166 70004 71290 08002 00909	FSK 200/1000	(AB/Danix)
F06	15623	24-12	1100	Sun	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix)
F06	15623	24-12	1100	Sun	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	13854	24-12	1110	Sun	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix)
F06	11586	24-12	1120	Sun	Russian diplo/intel. Header: 11166 50046 39472 22020 02129	FSK 200/1000	(AB/Danix)
F06	9416	24-12	1520	Sun	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	9416	24-12	1530	Sun	Russian diplo/intel. 11166 10053 17935 24063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7836	24-12	1540	Sun	Russian diplo/intel. 11166 10053 17935 24063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	6785	24-12	1550	Sun	Russian diplo/intel. 11166 10053 17935 24063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	5913	26-12	1130	Tue	Russian diplo/intel. Header: 11100 00000 52741 25077 03949	FSK 200/1000	(qsr711)
F06	7992	26-12	1130	Tue	Russian diplo/intel. Header: 11100 00000 52741 25077 03949	FSK 200/1000	(qsr711)
F06	10687	26-12	1130	Tue	Russian diplo/intel. Header: 11100 00000 52741 25077 03949	FSK 200/1000	(qsr711)
F06	12133	26-12	1500	Tue	Russian diplo/intel. 11166 00052 59623 26592 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10274	26-12	1510	Tue	Russian diplo/intel. 11166 00052 59623 26592 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	8148	26-12	1520	Tue	Russian diplo/intel. 11166 00052 59623 26592 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9328	26-12	1650	Tue	Russian diplo/intel. 11166 10053 56248 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7928	26-12	1700	Tue	Russian diplo/intel. 11166 10053 56248 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	6783	26-12	1710	Tue	Russian diplo/intel. 11166 10053 56248 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	20157	27-12	0600	Wed	Russian diplo/intel. Header: 11166 40122 96324 23054 04089	FSK 200/1000	(AB-KOR)
F06	18241	27-12	0610	Wed	Russian diplo/intel. Header: 11166 40122 96324 23054 04089	FSK 200/1000	(AB-KOR)
F06	16204	27-12	0620	Wed	Russian diplo/intel. Header: 11166 40122 96324 23054 04089	FSK 200/1000	(AB-KOR)
F06	18039	27-12	0800	Wed	Russian diplo/intel. 11166 70048 16523 27005 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	16204	27-12	0810	Wed	Russian diplo/intel. 11166 70048 16523 27005 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	14363	27-12	0820	Wed	Russian diplo/intel. 11166 70048 16523 27005 00049 00000 00000 00000 00000	FSK 200/100	(AB)
F06	20875	27-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 93142 26023 01969	FSK 200/1000	(AB-RUS)
F06	16225	27-12	0910	Wed	Russian diplo/intel. Header: 11166 30011 47396 27004 00569	FSK 200/1000	(Danix)
F06	18747	27-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 93142	FSK 200/1000	(AB)



[illegible]

<b>F06</b>	18483	31-12	1510	Sun	Russian diplo/intel. Header: 11166 40133 68374 28036 01429	FSK 200/1000	(Danix)
<b>F06</b>	16196	31-12	1520	Sun	Russian diplo/intel. Header: 11166 40133 68374 28036 01429	FSK 200/1000	(Danix)
<b>F06</b>	9416	31-12	1530	Sun	Russian diplo/intel. 11166 10053 36874 31063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06</b>	7836	31-12	1540	Sun	Russian diplo/intel. 11166 10053 36874 31063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
<b>F06</b>	6785	31-12	1550	Sun	Russian diplo/intel. 11166 10053 36874 31063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
<b>F06a</b>	13396	6-12	0700	Wed	Russian diplo/intel sending an ASCII file. Message header: 11100 79993 98707 06002 02919	FSK 200/1000 ASCII	(Danix)
<b>F06a</b>	11123	6-12	0710	Wed	Russian diplo/intel sending an ASCII file. Message header: 11100 79993 98707 06002 02919	FSK 200/1000 ASCII	(Danix)
<b>F06a</b>	9089	6-12	0720	Wed	Russian diplo/intel sending an ASCII file. Message header: 11100 79993 98707 06002 02919	FSK 200/1000 ASCII	(Danix)
<b>F11</b>	9370	4-12	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	4-12	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	5-12	1150	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	6807	5-12	1155	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	9370	6-12	0845	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	6-12	0850	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	6-12	1150	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	6807	6-12	1155	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	9370	11-12	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	11-12	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	12-12	1150	Tue	0325 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	12-12	1155	Tue	0325 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	13-12	0845	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	13-12	0850	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	13-12	1150	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	6807	13-12	1155	Wed	0325 00000	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	18-12	0845	Mon	0353 88888 88888 65827 52714 98049 ... 29864 59326 69654 88888 88888 00041 00041	FSK 100/620	(AB)
<b>F11</b>	9370	18-12	0850	Mon	0353 88888 88888 65827 52714 98049 ... 29864 59326 69654 88888 88888 00041 00041	FSK 100/620	(AB)
<b>F11</b>	6807	19-12	1150	Tue	0325 88888 88888 51342 13394 12092 ... 30737 97062 20279 88888 88888 00037 00037	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	19-12	1155	Tue	0325 88888 88888 51342 13394 12092 ... 30737 97062 20279 88888 88888 00037 00037	FSK 100/620	(AB)
<b>F11</b>	9370	20-12	0845	Wed	0353 88888 88888 65827 52714 98049 ... 29864 59326 69654 88888 88888 00041 00041	FSK 100/620	(AB)
<b>F11</b>	9370	20-12	0850	Wed	0353 88888 88888 65827 52714 98049 ... 29864 59326 69654 88888 88888 00041 00041	FSK 100/620	(AB)
<b>F11</b>	6807	20-12	1150	Wed	0325 88888 88888 51342 13394 12092 ... 30737 97062 20279 88888 88888 00037 00037	FSK 100/620	(AB/MPJ)
<b>F11</b>	6807	20-12	1155	Wed	0325 88888 88888 51342 13394 12092 ... 30737 97062 20279 88888 88888 00037 00037	FSK 100/620	(AB/MPJ)
<b>F11</b>	9370	25-12	0845	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	25-12	0850	Mon	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	26-12	1150	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	6807	26-12	1155	Tue	0325 00000	FSK 100/620	(AB)
<b>F11</b>	9370	27-12	0845	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	9370	27-12	0850	Wed	0353 00000	FSK 100/620	(AB)
<b>F11</b>	6807	27-12	1150	Wed	0325 00000	FSK 100/620	(AB)
<b>F11</b>	6807	27-12	1155	Wed	0325 00000	FSK 100/620	(AB)
<b>G06</b>	5320	4-12	0759	Mon	329 329 329 00000	USB	(AB)
<b>G06</b>	4559	4-12	1800	Mon	563 563 563 00000. Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	4570	6-12	1200	Wed	563 563 563 00000	USB	(AB-UKR/HFD-



									POL)
G06	4010	6-12	1300	Wed	563 563 563 00000		USB		(AB-UKR/HFD-POL)
G06	4460	7-12	1259	Thu	329 329 329 00000		USB		(AB-POL/MPJ)
G06	3651	11-12	1658	Mon	563 563 563 00000		USB		(AB)
G06	3651	11-12	1704	Mon	111 111 11		USB		(AB)
G06	4559	11-12	1758	Mon	563 563 563 00000		USB		(AB/MPJ)
G06	4010	13-12	1250	Wed	1		USB		(AB-UKR)
G06	4010	13-12	1300	Wed	563 563 563 00000		USB		(AB-UKR)
G06	4519	14-12	1830	Thu	271 847 58 67391 24518 97497 ... 21645 72848 69529 847 58 00000		USB		(AB/MPJ)
G06	4792	15-12	1924	Fri	11		USB		(AB)
G06	4792	15-12	1930	Fri	436 847 58 67391 24518 97497 ... 21645 72848 69529 847 58 00000		USB		(AB/MPJ)
G06	5320	18-12	0800	Mon	329 329 329 00000		USB		(AB)
G06	4460	21-12	1259	Thu	329 329 329 00000		USB		(AB-POL/MPJ)
G06	4519	28-12	1820	Thu	111 1		USB		(AB)
G06	4519	28-12	1829	Thu	271 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000		USB		(AB/MPJ)
G06	4792	29-12	1930	Fri	436 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound		USB		(AB/MPJ/H FD)
HM01	9240	1-12	0857	Fri	36854 37316 11523 12506 63321 57411		AM/RDFT		(RL)
HM01	11635	1-12	1833	Fri	i.p. 36855 37317 11524 12507 63321 57411		AM/RDFT		(RR2)
HM01	11635	1-12	2057	Fri	36855 37317 11524 12507 63321 57411		AM/RDFT		(RL)
HM01	11462	2-12	0857	Sat	36855 37317 11524 12507 63321 57411		AM/RDFT		(RL)
HM01	11435	2-12	1603	Sat	abruptly & in progress 36856 37318 11525 32731 63322 57412		AM/RDFT		(RR2)
HM01	10345	3-12	0557	Sun	36856 37318 11525 32731 63322 57412		AM/RDFT		(AB)
HM01	9240	3-12	0856	Sun	36856 37318 11525 32731 63322 57412		AM/RDFT		(AB)
HM01	11435	3-12	1558	Sun	36857 37319 11526 32731 63323 57413		AM/RDFT		(RR2)
HM01	11635	3-12	2057	Sun	36857 37319 11526 32731 63323 57413		AM/RDFT		(RL)
HM01	10715	3-12	2157	Sun	36857 37319 11526 32731 63323 57413		AM/RDFT		(RL)
HM01	9065	4-12	0828	Mon	i.p. 36857 37319 11526 32731 63323 57413		AM/RDFT		(AB)
HM01	11435	4-12	1557	Mon	36858 54131 11527 32732 63324 57414		AM/RDFT		(RR2)
HM01	11635	4-12	2057	Mon	36858 54131 11527 32732 63324 57414		AM/RDFT		(RL)
HM01	10715	4-12	2157	Mon	36858 54131 11527 32732 63324 57414		AM/RDFT		(RL)
HM01	10715	4-12	2220	Mon	Music followed by the usual numbers broadcast		AM/RDFT		(Ven)
HM01	11435	5-12	1558	Tue	74381 54131 11528 32733 63325 57415		AM/RDFT		(RR2)
HM01	9240	6-12	0857	Wed	74381 54131 11528 32733 63325 57415		AM/RDFT		(RL)
HM01	11435	6-12	1601	Wed	i.p. 74381 54132 84701 32734 63326 57416		AM/RDFT		(RR2)
HM01	11635	6-12	2057	Wed	74381 54132 84701 32734 63326 57416		AM/RDFT		(RL)
HM01	10715	6-12	2157	Wed	74381 54132 84701 32734 63326 57416		AM/RDFT		(RL)
HM01	11435	7-12	1559	Thu	Windows start up sounds, then 74382 54133 84701 32735 63327 57417		AM/RDFT		(RR2)
HM01	11435	8-12	1559	Fri	abrupt on and in progress 74383 54134 84702 32736 63328 57418		AM/RDFT		(RR2)
HM01	11530	8-12	1740	Fri	74383 54134 84702 32736 63328 57418		AM/RDFT		(BW3)
HM01	11635	8-12	2057	Fri	74383 54134 84702 32736 63328 57418		AM/RDFT		(RL)
HM01	10715	8-12	2157	Fri	74383 54134 84702 32736 63328 57418		AM/RDFT		(RL)
HM01	11462	9-12	0857	Sat	74383 54134 84702 32736 63328 57418		AM/RDFT		(RL)
HM01	11435	9-12	1600	Sat	74384 54135 84703 32737 02771 48321		AM/RDFT		(ER)
HM01	11530	9-12	1700	Sat	74384 54135 84703 32737 02771 48321		AM/RDFT		(RR2)
HM01	16180	9-12	2057	Sat	74384 54135 84703 32737 02771 48321		AM/RDFT		(RL)
HM01	17480	9-12	2157	Sat	74384 54135 84703 32737 02771 48321		AM/RDFT		(RL)
HM01	9155	10-12	0957	Sun	74384 54135 84703 32737 02771 48321		AM/RDFT		(RL)
HM01	11435	10-12	1605	Sun	Ab abruptly on and in progress 74385 54136 84704 57451 02771 48321		AM/RDFT		(RR2)

HM01	11635	10-12	2057	Sun	74385 54136 84704 57451 02771 48321	AM/RDFT	(RL)
HM01	10715	10-12	2157	Sun	74385 54136 84704 57451 02771 48321	AM/RDFT	(RL)
HM01	10715	10-12	2200	Sun	74385 54136 84704 57451 02771 48321	AM/RDFT	(Dan)
HM01	11435	11-12	1556	Mon	74386 54137 84705 57451 02772 48322	AM/RDFT	(RR2)
HM01	11635	11-12	2057	Mon	74386 54137 84705 57451 02772 48322	AM/RDFT	(RL)
HM01	10715	11-12	2157	Mon	74386 54137 84705 57451 02772 48322	AM/RDFT	(RL)
HM01	11435	12-12	1559	Tue	74387 54138 84706 57452 02773 48323	AM/RDFT	(RR2)
HM01	16180	12-12	2057	Tue	74387 54138 84706 57452 02773 48323	AM/RDFT	(RL)
HM01	17480	12-12	2157	Tue	74387 54138 84706 57452 02773 48323	AM/RDFT	(RL)
HM01	9240	13-12	0857	Wed	74387 54138 84706 57452 02773 48323	AM/RDFT	(RL)
HM01	11435	13-12	1557	Wed	74388 54139 84707 57453 02774 48324	AM/RDFT	(RR2)
HM01	11635	13-12	2057	Wed	74388 54139 84707 57453 02774 48324	AM/RDFT	(RL)
HM01	10715	13-12	2157	Wed	74388 54139 84707 57453 02774 48324	AM/RDFT	(RL)
HM01	12180	14-12	0958	Thu	74388 54139 84707 57453 02774 48324	AM/RDFT	(AB)
HM01	16180	14-12	2058	Thu	64031 62361 52201 57454 02775 48325	AM/RDFT	(RR2)
HM01	9240	15-12	0857	Fri	64031 62361 52201 57454 02775 48325	AM/RDFT	(AB)
HM01	11435	15-12	1558	Fri	64031 62361 52201 57455 02776 48326	AM/RDFT	(RR2)
HM01	11635	15-12	1656	Fri	64031 62361 52201 57455 02776 48326	AM/RDFT	(AB-USA)
HM01	11435	16-12	1630	Sat	i.p. 64032 62362 52202 57456 02777 48327	AM/RDFT	(BW3)
HM01	11435	16-12	1641	Sat	i.p. 64032 62362 52202 57456 02777 48327	AM/RDFT	(RR2)
HM01	11435	17-12	1603	Sun	i.p. 64033 62363 52203 57457 02778 33281	AM/RDFT	(RR2)
HM01	11435	18-12	1600	Mon	i.p. 64034 62364 52204 57458 72351 33281	AM/RDFT	(RR2)
HM01	11435	19-12	1558	Tue	64035 62365 52205 75481 72351 33282	AM/RDFT	(RR2)
HM01	9240	20-12	0857	Wed	64035 62365 52205 75481 72351 33282	AM/RDFT	(AB)
HM01	9155	20-12	0956	Wed	64035 62365 52205 75481 72351 33282	AM/RDFT	(AB)
HM01	11435	20-12	1558	Wed	64036 62366 52206 75481 72352 33283	AM/RDFT	(RR2/BW3)
HM01	11435	21-12	1557	Thu	64037 62367 52207 75482 72353 33284	AM/RDFT	(RR2)
HM01	11435	22-12	1601	Fri	After Radio Habana Cuba id by YL in SS and RHC music, abruptly & in progress 64038 62368 52208 75483 72354 33285	AM/RDFT	(RR2)
HM01	11435	23-12	1603	Sat	Abruptly & in progress 64039 62369 36611 75484 72355 33286	AM/RDFT	(RR2)
HM01	6165	24-12	0504	Sun	Broadcasting on a Radio Habana Cuba frequency	AM/RDFT	(CM2)
HM01	11530	24-12	1734	Sun	i.p. 16751 01821 36611 75485 72356 33287	AM/RDFT	(RR2)
HM01	11635	25-12	2100	Mon	16751 01821 36612 75486 72357 82541	AM/RDFT	(RR2)
HM01	11435	26-12	1602	Tue	16752 01822 36613 75487 86841 82541	AM/RDFT	(RR2)
HM01	11435	27-12	1556	Wed	16753 01823 36614 18511 86841 82542	AM/RDFT	(RR2)
HM01	11435	28-12	1601	Thu	16754 01824 36615 18511 86842 82543	AM/RDFT	(RR2)
HM01	11435	29-12	1628	Fri	16755 01825 36616 18512 86843 82544	AM/RDFT	(RR2)
HM01	11435	30-12	1642	Sat	16756 01826 36617 18513 86844 82545	AM/RDFT	(RR2)
HM01	11530	31-12	1656	Sun	16757 01827 52231 18514 86845 82546	AM/RDFT	(RR2)
M01	5812.2	2-12	1500	Sat	197 628 30 = = 15001 71941 78490 ... 53191 86951 15654 = = 628 30 000. Freq is a spur of 5810 kHz	CW	(MPJ)
M01	4490	7-12	2000	Thu	197 561 30 = = 73295 01226 52062 ... 87325 95390 22133 = = 561 30 000	CW	(MPJ)
M01	5810	9-12	1500	Sat	197 029 30 = = 65774 69237 45643 ... 04308 81901 ... (Signal lost)	CW	(MPJ)
M01	4490	12-12	2000	Tue	197 878/30 878/30 88998 37882 72619 ... 47060 45206 01725 878/30 (x1) 000	CW	(MPJ)
M01	4490	14-12	2000	Thu	197 264 30 = = 38379 77150 79342 ... 01476 86498 26061 = = 264 30 000	CW	(MPJ)
M01	5810	16-12	1500	Sat	197 271 30 = = 59032 09291 57647 ... 67428 74103 47221 = = 271 30 000	CW	(MPJ)
M01	4490	19-12	2000	Tue	197 345 30 = = 96878 32737 009_0 ... (faded) ... 4_345 ... = = 345 30 000	CW	(MPJ)
M01	4490	21-12	2000	Thu	197 312 312 30 30 = = 99818 30169 16526 ... 14369 21465 20929 = = 312 312 30 30 000	MCW	(AB/MPJ)
M01	5465	24-12	0700	Sun	197 (R) 768 768 30 30 30 30 = = 32754 32754 06835 06835 ... 37536 37536 02260 02260 = =	MCW	(AB)

					876 876 30 30		
<b>M01</b>	5320	26-12	1800	Tue	197 924 924 30 30 = = 28235 87476 63093 ... 78450 06761 50934 = = 924 924 30 30 000	MCW	(AB-RUS)
<b>M01</b>	5320	28-12	1800	Thu	197 868/30 868/30 56386 59494 39408 ... 87320 35929 86677 868/30 000	CW	(MPJ)
<b>M01</b>	4496	28-12	2000	Thu	197 425/30 425/30 83720 04789 86425 ... 84894 75611 13038 425.30 000	CW	(MPJ)
<b>M01a</b>	4408	23-11	1312	Thu	i.p. .. 12560 111 12560 111 555 19665 19665 18609 18609 11752 11752 11980 11980 111 000	CW	(ES-HOL)
<b>M01a</b>	4408	23-11	1354	Thu	852 (x3) 11097 (x2) (Rx3) 333 111 999 890 10 = 23498 04652 18947 06251 48970 46890 76516 89704 15479 87041 = 890 10 333 111 = 890 10 111 000	CW	(ES-HOL)
<b>M01a</b>	10651	24-11	0717	Fri	297 (x3) 37857 (x2) (Rx4)	CW	(ES-HOL)
<b>M01a</b>	10233	28-11	0622	Tue	354 (x3) 78505 (x2) 111 999 00006 00020 18904 ... 61310 97250 00020 00006 00000 = 006 35 000	CW	(ES-HOL)
<b>M01a</b>	10651	28-11	0711	Tue	297 (x3) 38180 (x2) (Rx10) 297 (x3) 39318 (x2) (Rx3) 111 999 00007 00020 23347 ... 33855 00030 00007 00000 = 007 35 000	CW	(ES-HOL)
<b>M01a</b>	9421	29-11	0621	Wed	135 (x3) 60479 (x2) 111 000	CW	(ES-HOL)
<b>M01a</b>	10233	1-12	0619	Fri	354 (x3) 76165 (x2) (Rx4mins). 354 (x3) 77295 (x2) (Rx4mins).	CW	(ES-HOL)
<b>M01a</b>	10651	1-12	0709	Fri	297 (x3) 36173 (x2) (Rx11) - Cuts out beginning of twelfth repeat. 297 (x3) 37857 (x2) (Rx10) - Cuts out during eleventh repeat.	CW	(ES-HOL)
<b>M01a</b>	10233	5-12	0621	Tue	354 (x3) 77629 (x2) (Rx2) - Cuts out during third repeat.	CW	(ES-HOL)
<b>M01a</b>	4780	19-12	1108	Tue	i.p. 928 928 928 68615 68615 333 20 46 111 999 752 10 = 4094 ... 18098 = 752 10 111 000	CW	(AB-POL)
<b>M01b</b>	2435	4-12	1910	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3520 kHz	MCW	(MPJ)
<b>M01b</b>	3520	4-12	1910	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2435 kHz	MCW	(MPJ)
<b>M01b</b>	3205	4-12	2015	Mon	375 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000	MCW	(MPJ)
<b>M01b</b>	2470	7-12	1932	Thu	910 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3545 kHz	MCW	(MPJ)
<b>M01b</b>	3545	7-12	1932	Thu	910 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2070 kHz	MCW	(MPJ)
<b>M01b</b>	2435	11-12	1908	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3520 kHz	MCW	(MPJ)
<b>M01b</b>	3520	11-12	1908	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2435 kHz	MCW	(MPJ)
<b>M01b</b>	2425	11-12	2015	Mon	375 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3205 kHz	MCW	(MPJ)
<b>M01b</b>	3205	11-12	2015	Mon	375 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2425 kHz	MCW	(MPJ)
<b>M01b</b>	2470	14-12	1932	Thu	910 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3545 kHz	MCW	(MPJ)
<b>M01b</b>	3545	14-12	1932	Thu	910 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2470 kHz	MCW	(MPJ)
<b>M01b</b>	2655	15-12	2002	Fri	717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3195 kHz	MCW	(MPJ)
<b>M01b</b>	3195	15-12	2002	Fri	717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2655 kHz	MCW	(MPJ)
<b>M01b</b>	2435	18-12	1910	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //3520 kHz	MCW	(MPJ)
<b>M01b</b>	3520	18-12	1910	Mon	853 717 31 = = 30194 26864 56020 ... 94215 60831 10800 = = 717 31 000 //2435 kHz	MCW	(MPJ)
<b>M01b</b>	2425	18-12	2015	Mon	375 717 31 = = 30194 26864 56020 ... 94215	MCW	(MPJ)

					60831 10800 == 717 31 000 //3207.3 kHz		
<b>M01b</b>	3207.3	18-12	2015	Mon	375 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //2425 kHz	MCW	(MPJ)
<b>M01b</b>	2470	21-12	1932	Thu	910 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //3545 kHz	MCW	(MPJ)
<b>M01b</b>	3545	21-12	1932	Thu	910 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //2470 kHz	MCW	(MPJ)
<b>M01b</b>	2655	22-12	2002	Fri	866 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //3195 kHz	MCW	(MPJ)
<b>M01b</b>	3195	22-12	2002	Fri	866 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //2655 kHz	MCW	(MPJ)
<b>M01b</b>	2470	28-12	1932	Thu	910 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //3545 kHz	MCW	(MPJ)
<b>M01b</b>	3545	28-12	1932	Thu	910 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //2470 kHz	MCW	(MPJ)
<b>M01b</b>	2655	29-12	2002	Fri	866 817 31 = 30194 //3195	CW	(HFD)
<b>M01b</b>	2655	29-12	2002	Fri	866 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //3195 kHz	MCW	(MPJ)
<b>M01b</b>	3195	29-12	2002	Fri	866 817 31 = 30194 //2655	CW	(HFD)
<b>M01b</b>	3195	29-12	2002	Fri	866 717 31 == 30194 26864 56020 ... 94215 60831 10800 == 717 31 000 //2655 kHz	MCW	(MPJ)
<b>M08a</b>	8136	8-12	2300	Fri	Late start. Usual message groups with voices in the background	CW	(CM2)
<b>M08a</b>	8096	14-12	1400	Thu	i.p. ATADD NARAN AGDNA ... GRGWI INDNN RNRTW + + +	CW	(AB-USA)
<b>M08a</b>	8096	18-12	1406	Mon	i.p. DAAUN WWNTG RAWWR NRAID + URNNN = RUDIU IDTGT TDAIG ... NTNDW ARADU URUWR + WTRWA = DTDRI GWNTW TNAGN ... WRWNN GDDAW NDIRU +	CW	(AB-USA)
<b>M08a</b>	8096	20-12	1354	Wed	RNARA GUUGA TIGNN followed by 3 messages	CW	(AB-USA)
<b>M08a</b>	8096	25-12	1353	Mon	UGWWN WNGIA RWNAA == UGWWN UGWWN UGWWN ...	CW	(AB-USA)
<b>M08a</b>	8096	26-12	1355	Tue	DRAWA UGIGA WNNNN followed by 3 messages	CW	(AB-USA)
<b>M12</b>	5784	2-12	0600	Sat	751 751 751 000	CW	(AB/ES/HFD)
<b>M12</b>	7584	2-12	0620	Sat	751 751 751 000	CW	(AB/ES/HFD)
<b>M12</b>	7741	2-12	1310	Sat	787 787 787 000	CW	(AB/MPJ/HFD)
<b>M12</b>	6841	2-12	1330	Sat	787 787 787 000	CW	(AB/MPJ/HFD)
<b>M12</b>	14769	3-12	1010	Sun	721 721 721 1 ...	CW	(HFD)
<b>M12</b>	16269	3-12	1030	Sun	721 721 721 1 ...	CW	(HFD)
<b>M12</b>	18169	3-12	1050	Sun	721 721 721 1 ...	CW	(HFD)
<b>M12</b>	13371	4-12	1400	Mon	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	11571	4-12	1420	Mon	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	9176	4-12	1700	Mon	257 257 257 1 6344 107 6344 107 13357 60829 59716 ... 04686 91387 45523 38690 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	4-12	1720	Mon	257 257 257 1 6344 107 6344 107 13357 60829 59716 ... 04686 91387 45523 38690 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	4-12	1740	Mon	257 257 257 1 6344 107 6344 107 13357 60829 59716 ... 04686 91387 45523 38690 000 000	CW	(AB/MPJ)
<b>M12</b>	11435	4-12	1910	Mon	938 1 6048 84 23775 08124 34681 ... 71717 30507 69205 000 000	CW	(MPJ-HOL)
<b>M12</b>	10598	4-12	1930	Mon	938 1 6048 84 23775 08124 34681 ... 71717 30507 69205 000 000	CW	(MPJ-HOL)
<b>M12</b>	9237	4-12	1950	Mon	938 1 6048 84 23775 08124 34681 ... 71717 30507 69205 000 000	CW	(MPJ-HOL)
<b>M12</b>	13371	6-12	1400	Wed	352 352 352 000	CW	(AB)
<b>M12</b>	11571	6-12	1420	Wed	352 352 352 000	CW	(AB)

<b>M12</b>	9176	6-12	1700	Wed	257 257 257 1 4166 111 4166 111 88817 79365 82903 ... 35075 64996 35667 000 000	CW	(AB)
<b>M12</b>	7931	6-12	1720	Wed	257 257 257 1 4166 111 4166 111 88817 79365 82903 ... 35075 64996 35667 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	6-12	1740	Wed	257 257 257 1 4166 111 4166 111 88817 79365 82903 ... 35075 64996 35667 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	6-12	1820	Wed	257 1 8566 146 03599 74584 62462 ... 56830 00082 79626 000 000	CW	(MPJ)
<b>M12</b>	6904	6-12	1840	Wed	257 1 8566 146 03599 74584 62462 ... 56830 00082 79626 000 000	CW	(MPJ)
<b>M12</b>	8047	6-12	1900	Wed	463 1 2207 132 01181 84448 91981 ... 95624 51555 41335 000 000	CW	(MPJ)
<b>M12</b>	6802	6-12	1920	Wed	463 1 2207 132 01181 84448 91981 ... 95624 51555 41335 000 000	CW	(MPJ)
<b>M12</b>	5788	6-12	1940	Wed	463 1 2207 132 01181 84448 91981 ... 95624 51555 41335 000 000	CW	(MPJ)
<b>M12</b>	6908	6-12	2050	Wed	985 985 985 000	CW	(AB/HFD)
<b>M12</b>	5808	6-12	2110	Wed	985 985 985 000	CW	(AB/HFD)
<b>M12</b>	5312	6-12	2200	Wed	350 350 350 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	4512	6-12	2220	Wed	350 350 350 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	4012	6-12	2240	Wed	350 350 350 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	16269	7-12	1030	Thu	721 721 721 000	CW	(RL)
<b>M12</b>	7741	7-12	1310	Thu	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	7-12	1330	Thu	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	7-12	1350	Thu	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	7-12	1700	Thu	317 1 2800 109 38754 83401 22124 ... 93703 27639 36010 000 000	CW	(MPJ- AUT/HFD)
<b>M12</b>	13461	7-12	1720	Thu	317 1 2800 109 38754 83401 22124 ... 93703 27639 36010 000 000	CW	(MPJ- AUT/HFD)
<b>M12</b>	12114	7-12	1740	Thu	317 1 2800 109 38754 83401 22124 ... 93703 27639 36010 000 000	CW	(MPJ- AUT/HFD)
<b>M12</b>	5784	9-12	0600	Sat	751 751 751 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	7584	9-12	0620	Sat	751 751 751 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	9184	9-12	0640	Sat	751 751 751 1 6986 95 6986 95 97199 52846 84381 ... 69729 51681 66889 000 000	CW	(AB)
<b>M12</b>	7741	9-12	1310	Sat	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	9-12	1330	Sat	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	9-12	1350	Sat	787 787 787 1 7657 157 7657 157 91792 79203 12797 ... 92603 16482 31390 000 000	CW	(AB/MPJ)
<b>M12</b>	14769	10-12	1010	Sun	721 721 721 000	CW	(AB/RL/MP J)
<b>M12</b>	16269	10-12	1030	Sun	721 721 721 000	CW	(AB/RL/MP J)
<b>M12</b>	13371	11-12	1400	Mon	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ)
<b>M12</b>	11571	11-12	1420	Mon	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ)
<b>M12</b>	10271	11-12	1440	Mon	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ)
<b>M12</b>	9176	11-12	1700	Mon	257 257 257 1 4318 100 4318 100 42987 80182	CW	(AB/MPJ)



					13136 ... 69168 71604 87626 000 000		
<b>M12</b>	7931	11-12	1720	Mon	257 257 257 1 4318 100 4318 100 42987 80182 13136 ... 69168 71604 87626 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	11-12	1740	Mon	257 257 257 1 4318 100 4318 100 42987 80182 13136 ... 69168 71604 87626 000 000	CW	(AB/MPJ)
<b>M12</b>	11435	11-12	1910	Mon	938 938 938 1 6637 79 6637 79 67116 56767 75974 ... 28318 57630 18462 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	11-12	1930	Mon	938 938 938 1 6637 79 6637 79 67116 56767 75974 ... 28318 57630 18462 000 000	CW	(AB/MPJ)
<b>M12</b>	9237	11-12	1950	Mon	938 938 938 1 6637 79 6637 79 67116 56767 75974 ... 28318 57630 18462 000 000	CW	(AB/MPJ)
<b>M12</b>	13371	13-12	1400	Wed	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ/H FD)
<b>M12</b>	11571	13-12	1420	Wed	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ/H FD)
<b>M12</b>	10271	13-12	1440	Wed	352 352 352 1 4241 87 4241 87 30664 57793 68268 ... 34102 95660 15013 000 000	CW	(AB/MPJ/H FD)
<b>M12</b>	9176	13-12	1700	Wed	257 1 1000 100 27191 10061 51384 ... 06283 94027 03888 000 000	CW	(MPJ)
<b>M12</b>	7931	13-12	1720	Wed	257 1 1000 100 27191 10061 51384 ... 06283 94027 03888 000 000	CW	(MPJ)
<b>M12</b>	6904	13-12	1740	Wed	257 1 1000 100 27191 10061 51384 ... 06283 94027 03888 000 000	CW	(MPJ)
<b>M12</b>	9176	13-12	1800	Wed	257 257 257 1 6638 136 6638 136 65315 72319 83013 ... 24473 65035 60397 000 000	CW	(AB/MPJ)
<b>M12</b>	7931	13-12	1820	Wed	257 257 257 1 6638 136 6638 136 65315 72319 83013 ... 24473 65035 60397 000 000	CW	(AB/MPJ)
<b>M12</b>	6904	13-12	1840	Wed	257 257 257 1 6638 136 6638 136 65315 72319 83013 ... 24473 65035 60397 000 000	CW	(MPJ)
<b>M12</b>	8047	13-12	1900	Wed	463 1 6347 144 00636 23723 86150 ... 72057 95205 15246 000 000	CW	(MPJ)
<b>M12</b>	6802	13-12	1920	Wed	463 1 6347 144 00636 23723 86150 ... 72057 95205 15246 000 000	CW	(MPJ)
<b>M12</b>	5788	13-12	1940	Wed	463 1 6347 144 00636 23723 86150 ... 72057 95205 15246 000 000	CW	(MPJ)
<b>M12</b>	6908	13-12	2050	Wed	985 985 985 000	CW	(AB/RL)
<b>M12</b>	5808	13-12	2110	Wed	985 985 985 000	CW	(AB/RL)
<b>M12</b>	5312	13-12	2200	Wed	350 350 350 000	CW	(AB)
<b>M12</b>	4512	13-12	2220	Wed	350 350 350 000	CW	(AB)
<b>M12</b>	14769	14-12	1010	Thu	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB)
<b>M12</b>	16269	14-12	1030	Thu	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB)
<b>M12</b>	18169	14-12	1050	Thu	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB)
<b>M12</b>	7741	14-12	1310	Thu	787 787 787 000	CW	(AB/MPJ)
<b>M12</b>	6841	14-12	1330	Thu	787 787 787 000	CW	(AB/MPJ)
<b>M12</b>	14377	14-12	1700	Thu	317 317 317 1 6015 102 6015 102 72506 55565 09685 61110 67975 ...	CW	(AB/MPJ)
<b>M12</b>	13461	14-12	1720	Thu	317 317 317 1 6015 102 6015 102 72506 55565 09685 61110 67975 ...	CW	(AB/MPJ)
<b>M12</b>	12114	14-12	1740	Thu	317 317 317 1 6015 102 6015 102 72506 55565 09685 61110 67975 ...	CW	(AB/MPJ)
<b>M12</b>	6908	15-12	2050	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5808	15-12	2110	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5784	16-12	0600	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7584	16-12	0620	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7741	16-12	1310	Sat	787 787 787 000	CW	(AB/MPJ)
<b>M12</b>	6841	16-12	1330	Sat	787 787 787 000	CW	(AB/MPJ/J PL)

<b>M12</b>	14769	17-12	1010	Sun	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB/MPJ)
<b>M12</b>	16269	17-12	1030	Sun	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB/MPJ)
<b>M12</b>	18169	17-12	1050	Sun	721 721 721 1 300 121 300 121 86387 74339 27051 ... 95352 42216 91568 000 000	CW	(AB/MPJ)
<b>M12</b>	13371	18-12	1400	Mon	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	11571	18-12	1420	Mon	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	9327	18-12	1910	Mon	938 938 938 1 7916 86 7916 86 88509 55354 74231 ... 95598 35469 63864 000 000	CW	(AB/MPJ)
<b>M12</b>	11435	18-12	1910	Mon	938 938 938 1 7916 86 7916 86 88509 55354 74231 ... 95598 35469 63864 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	18-12	1935	Mon	938 938 938 1 7916 86 7916 86 88509 55354 74231 ... 95598 35469 63864 000 000	CW	(AB/MPJ)
<b>M12</b>	13371	20-12	1400	Wed	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	11571	20-12	1420	Wed	352 352 352 000	CW	(AB/MPJ)
<b>M12</b>	9176	20-12	1800	Wed	257 1 1844 135 35771 91867 07897 ... 87181 97198 56496 000 000	CW	(MPJ)
<b>M12</b>	7931	20-12	1820	Wed	257 1 1844 135 35771 91867 07897 ... 87181 97198 56496 000 000	CW	(MPJ)
<b>M12</b>	6904	20-12	1840	Wed	257 1 1844 135 35771 91867 07897 ... 87181 97198 56496 000 000	CW	(MPJ)
<b>M12</b>	8047	20-12	1900	Wed	463 463 463 1 4176 149 4176 149 55423 28700 69837 ... 61330 19063 07941 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	20-12	1920	Wed	463 463 463 1 4176 149 4176 149 55423 28700 69837 ... 61330 19063 07941 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	20-12	1940	Wed	463 463 463 1 4176 149 4176 149 55423 28700 69837 ... 61330 19063 07941 000 000	CW	(AB/MPJ)
<b>M12</b>	5312	20-12	2200	Wed	350 350 350 1 3148 47 3148 47 37109 34841 39709 ... 30951 27732 87815 000 000	CW	(AB)
<b>M12</b>	4512	20-12	2220	Wed	350 350 350 1 3148 47 3148 47 37109 34841 39709 ... 30951 27732 87815 000 000	CW	(AB)
<b>M12</b>	4012	20-12	2240	Wed	350 350 350 1 3148 47 3148 47 37109 34841 39709 ... 30951 27732 87815 000 000	CW	(AB)
<b>M12</b>	7741	21-12	1310	Thu	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	21-12	1330	Thu	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	21-12	1350	Thu	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB)
<b>M12</b>	14377	21-12	1700	Thu	317 1 5139 101 12131 56764 82237 ... 28847 29289 25832 000 000	CW	(MPJ)
<b>M12</b>	13461	21-12	1720	Thu	317 1 5139 101 12131 56764 82237 ... 28847 29289 25832 000 000	CW	(MPJ)
<b>M12</b>	12114	21-12	1740	Thu	317 1 5139 101 12131 56764 82237 ... 28847 29289 25832 000 000	CW	(MPJ)
<b>M12</b>	6908	22-12	2050	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5808	22-12	2110	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5784	23-12	0600	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7584	23-12	0620	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7741	23-12	1310	Sat	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	23-12	1330	Sat	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	23-12	1350	Sat	787 787 787 1 6089 113 6089 113 10141 07377 20220 ... 93629 10013 62133 000 000	CW	(AB/MPJ)
<b>M12</b>	14769	24-12	1010	Sun	721 721 721 000	CW	(AB)
<b>M12</b>	16269	24-12	1030	Sun	721 721 721 000	CW	(AB)
<b>M12</b>	13371	25-12	1400	Mon	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB)

<b>M12</b>	11571	25-12	1420	Mon	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB)
<b>M12</b>	10271	25-12	1440	Mon	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB)
<b>M12</b>	13501	26-12	1205	Tue	Unscheduled transmission	CW	(qsr711)
<b>M12</b>	11529	26-12	1210	Tue	Unscheduled transmission	CW	(qsr711)
<b>M12</b>	9325	26-12	1215	Tue	Unscheduled transmission	CW	(qsr711)
<b>M12</b>	13371	27-12	1400	Wed	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB/MPJ)
<b>M12</b>	11571	27-12	1420	Wed	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB/MPJ)
<b>M12</b>	10271	27-12	1440	Wed	352 352 352 1 1385 133 1385 133 95213 76080 11054 ... 50766 04689 56809 000 000	CW	(AB/MPJ)
<b>M12</b>	9176	27-12	1800	Wed	257 1 8982 130 21061 07294 36511 ... 19833 18961 07058 000 000	CW	(MPJ)
<b>M12</b>	7931	27-12	1820	Wed	257 1 8982 130 21061 07294 36511 ... 19833 18961 07058 000 000	CW	(MPJ)
<b>M12</b>	6904	27-12	1840	Wed	257 1 8982 130 21061 07294 36511 ... 19833 18961 07058 000 000	CW	(MPJ)
<b>M12</b>	8047	27-12	1900	Wed	463 1 4866 138 93859 32319 25357 ... 68588 53943 30351 000 000	CW	(MPJ)
<b>M12</b>	6802	27-12	1920	Wed	463 1 4866 138 93859 32319 25357 ... 68588 53943 30351 000 000	CW	(MPJ)
<b>M12</b>	5788	27-12	1940	Wed	463 1 4866 138 93859 32319 25357 ... 68588 53943 30351 000 000	CW	(MPJ)
<b>M12</b>	5312	27-12	2200	Wed	350 350 350 000	CW	(AB/HFD)
<b>M12</b>	4512	27-12	2220	Wed	350 350 350 000	CW	(AB/HFD)
<b>M12</b>	14769	28-12	1010	Thu	721 721 721 000	CW	(AB/HFD)
<b>M12</b>	16269	28-12	1030	Thu	721 721 721 000	CW	(AB/HFD)
<b>M12</b>	7741	28-12	1310	Thu	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	28-12	1330	Thu	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	28-12	1350	Thu	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	28-12	1700	Thu	317 317 317 1 4305 101 4305 101 66754 93805 11015 ... 92455 73217 40170 000 000	CW	(AB)
<b>M12</b>	13461	28-12	1720	Thu	317 317 317 1 4305 101 4305 101 66754 93805 11015 ... 92455 73217 40170 000 000	CW	(AB/MPJ)
<b>M12</b>	12114	28-12	1740	Thu	317 317 317 1 4305 101 4305 101 66754 93805 11015 ... 92455 73217 40170 000 000	CW	(AB/MPJ)
<b>M12</b>	6908	29-12	2050	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5808	29-12	2110	Fri	985 985 985 000	CW	(AB)
<b>M12</b>	5784	30-12	0600	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7584	30-12	0620	Sat	751 751 751 000	CW	(AB)
<b>M12</b>	7741	30-12	1310	Sat	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	6841	30-12	1330	Sat	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	5741	30-12	1350	Sat	787 787 787 1 1436 121 1436 121 68918 50687 15133 ... 92774 26460 19688 000 000	CW	(AB/MPJ)
<b>M12</b>	14769	31-12	1010	Sun	721 721 721 000	CW	(AB)
<b>M12</b>	16269	31-12	1030	Sun	721 721 721 000	CW	(AB)
<b>M14</b>	18041	1-12	0500	Fri	952 603 603 55 55 = = 69037 15288 32729 ... 31884 65939 82829 = = 603 603 55 55 00000	CW	(AB-PHL)
<b>M14</b>	5374	1-12	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
<b>M14</b>	4975	1-12	1800	Fri	382 382 382 00000	MCW	(AB/MPJ)
<b>M14</b>	5430	2-12	0800	Sat	171 775 775 32 32 55676 43289 91825 ... 89712 36897 29573 775 775 32 32 00000 Sent only 17 groups.	MCW	(AB)



<b>M14</b>	5240	3-12	2300	Sun	376 349 349 56 56 45644 45646 81348 ... 02458 81230 67312 349 349 56 56 0000	MCW	(AB)
<b>M14</b>	5825	4-12	0000	Mon	376 349 349 56 56 45644 45646 81348 ... 02458 81230 67312 349 349 56 56 0000	MCW	(AB)
<b>M14</b>	18041	4-12	0500	Mon	952 174 174 60 60 = = 39906 86613 90682 ... 24541 87829 36902 = = 174 174 60 60 00000	CW	(AB-PHL)
<b>M14</b>	18041	5-12	0500	Tue	952 803 803 50 50 = = 78412 11285 49808 ... 30597 18081 02291 = = 803 803 50 50 00000	CW	(AB-PHL)
<b>M14</b>	3689	5-12	1600	Tue	273 273 273 00000	MCW	(AB)
<b>M14</b>	18041	8-12	0500	Fri	952 314 314 60 60 = = 29390 68317 28854 ... 07170 56500 96683 = = 314 314 60 60 00000	CW	(AB-PHL)
<b>M14</b>	5430	9-12	0800	Sat	171 171 171 00000	MCW	(AB)
<b>M14</b>	5560	9-12	0900	Sat	171 354 354 42 42 46626 42621 42179 ... 45567 46521 79541 354 354 42 42 00000	MCW	(AB)
<b>M14</b>	5947	10-12	0600	Sun	382 382 382 00000	MCW	(AB)
<b>M14</b>	17458	10-12	0930	Sun	617 617 617 00000	CW	(AB)
<b>M14</b>	5240	10-12	2300	Sun	376 707 707 42 42 89734 67523 56423 ... 92834 65723 76534 707 707 42 42 00000	MCW	(AB)
<b>M14</b>	5825	11-12	0000	Mon	376 707 707 42 42 89734 67523 56423 ... 92834 65723 76534 707 707 42 42 00000	MCW	(AB)
<b>M14</b>	18041	11-12	0500	Mon	952 678 678 50 50 = = 04441 05581 79031 ... 42254 28917 31315 = = 678 678 50 50 0000	CW	(AB-PHL)
<b>M14</b>	4636	12-12	1820	Tue	186 456 25 34253 75648 07912 ... 84635 03564 73524 456 25 00000	MCW	(MPJ)
<b>M14</b>	18041	13-12	0500	Wed	952 670 670 55 55 = = 11369 40845 40263 ... 08641 80986 54314 = = 670 670 55 55 (no zero's at the end)	CW	(AB-PHL)
<b>M14</b>	4761	13-12	1920	Wed	748 456 456 25 25 34253 75648 07912 ... 84635 03564 73524 456 456 25 25 00000	MCW	(AB/MPJ)
<b>M14</b>	18041	15-12	0500	Fri	952 176 176 50 50 = = 19164 40867 05712 ... 89247 59432 81262 = = 176 176 50 50 00000	CW	(AB-CHN)
<b>M14</b>	5374	15-12	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
<b>M14</b>	4975	15-12	1800	Fri	382 382 382 00000	MCW	(AB/MPJ)
<b>M14</b>	5430	16-12	0800	Sat	171 354 354 42 42 46626 42621 42179 ... 45567 46521 79541 354 354 42 42 00000	MCW	(AB)
<b>M14</b>	5560	16-12	0900	Sat	171 354 354 42 42 46626 42621 42179 ... 45567 46521 79541 354 354 42 42 00000	MCW	(AB/BvR)
<b>M14</b>	18041	19-12	0500	Tue	952 713 713 60 60 = = 70739 08126 46732 ... 53018 33240 83220 = = 713 713 60 60 00000	CW	(AB-PHL)
<b>M14</b>	3682	19-12	1600	Tue	273 273 273 00000	MCW	(AB/MPJ)
<b>M14</b>	18041	20-12	0500	Wed	952 608 608 50 50 = = 30441 16544 45740 ... 11090 00242 03024 = = 608 608 50 50 00000	CW	(AB-KOR)
<b>M14</b>	18041	21-12	0500	Thu	952 374 374 60 60 = = 28828 19261 82371 ... 74425 35667 99265 = = 374 374 60 60 00000	CW	(AB-NZL)
<b>M14</b>	5430	23-12	0800	Sat	171 263 263 47 47 = = 24315 75648 94857 ...16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB-UKR)
<b>M14</b>	5560	23-12	0900	Sat	171 263 263 47 47 = = 24315 75648 94857 ...16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB-UKR)
<b>M14</b>	5947	24-12	0600	Sun	382 382 382 00000	MCW	(AB)
<b>M14</b>	6757	24-12	0700	Sun	382 382 382 00000	MCW	(AB)
<b>M14</b>	5240	24-12	2300	Sun	376 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	MCW	(AB)
<b>M14</b>	5825	25-12	0000	Mon	376 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	MCW	(AB)
<b>M14</b>	17458	25-12	0930	Mon	617 617 617 00000	CW	(AB)
<b>M14</b>	18041	26-12	0500	Tue	952 801 801 60 60 = = 20419 51842 77246 81786 66892 ... = = 801 801 60 60 000	CW	(AB-CHN)
<b>M14</b>	4640	26-12	1820	Tue	186 273 273 55 55 = = 74653 26354 93746 ... 52132 48736 91023 = = 273 273 55 55 00000	MCW	(AB)
<b>M14</b>	4761	27-12	1920	Wed	748 273 55 = = 74653 26354 93746 ... 52132	MCW	(MPJ)

					48736 91023 = = 273 55 00000		
M14	18041	29-12	0500	Fri	952 867 867 50 50 = = 26323 32636 96241 ... 58890 88588 42738 = = 867 867 50 50 00000	CW	(AB-J)
M14	5429	30-12	0800	Sat	171 263 263 47 47 = = 24315 75648 94857 ...16425 63524 17652 = = 263 263 47 47 00000	CW	(AB-POL)
M14	5560	30-12	0900	Sat	171 263 263 47 47 = = 24315 75648 94857 ...16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB-POL)
M14	5240	31-12	2300	Sun	376 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	MCW	(AB)
M32	5479	2-12	1208	Sat	i.p. HYKF DE WVWE K. HYKF DE VQTG QRV ZZZ K. BK BK BK RPT AA 12 K	CW	(JPL-NZL)
M32	7678	8-12	1321	Fri	MFT5 XXX 59243 KLIKOTER 5445 8600 PLUGOChPOR 4547 2452	CW	(AnEur)
M32	7678	8-12	1329	Fri	MFT5 XXX 73311 AZEFOWQINA 8621 1477	CW	(AnEur)
M32	7678	8-12	1333	Fri	MFT5 XXX 65500 PODMETKA 5706 9497	CW	(AnEur)
M32	7678	8-12	1335	Fri	MFT5 XXX PREMI- 4066 7417 ARTERIIT 3170 8709	CW	(AnEur)
M32	12151	12-12	1050	Tue	ZX9W 934 1512 1350 934 = 348 171 = 0096 0122 2182 1878 5342 7884 2997 2217 8378 6733 5227 1503 1212 QTC K 0122 K	CW	(AB)
M32	10644	18-12	1033	Mon	KB7Y DE D6ZK QBE QYT 4 K. R K	CW	(AB)
M32	10644	18-12	1157	Mon	AHAW DE D6ZK K. LHCC DE D6ZK K. QSA4 QSA? K. R K. KB7Y DE D6ZK K. L7ZO DE D6ZK K. SUFB DE D6ZK K. QSA 3 QSA ? K. R K	CW	(AB)
M32	10064	22-12	0930	Fri	GX5J clg 7C6S, TQZ7, G5SZ, TN3M, WO6J	CW	(AnEur)
M32	12152	26-12	1035	Tue	i.p. 91314 59238 49592 58195 77834 80597 38811 73227 71396 42079 95945 42101 11609 22658 26020 K	CW	(AB)
M32	11165	28-12	0805	Thu	i.p. QSY 86113 80 3LSG (x3) DE X4BB (x2) K. BK QSA 4 QSA ? K. QTC 1 ZCC K. BK RPT K. R 452 0811 K. QTC 1 ZTH K. = = 901 100 28 0800 7932 K	CW	(JPL)
M32a	19201	9-12	0906	Sat	RMC RMC de RCV QSA 1 QRO K	CW	(BvR)
M32a	9145	12-12	0813	Tue	VVV III V II II RHO62 DE RIW K. RHO62 II II II VVV II II ROH62 DE RIW K. RIW CK	CW	(JPL-CHN)
M32a	12464	16-12	0605	Sat	RMCW: Russian Navy Ship Donuzlav. rcv de rmcw 671 18 16 0903 571 = sml for rje73 rjh45 =	CW	(WP3)
M32a	19201	16-12	0924	Sat	RIP90 RIP90 DE RCV RCV wx	CW	(BvR)
M32a	8345	16-12	1806	Sat	RKB91: Russian Navy AO Kola. riw de rkb91 556 14 16 0830 (?) 556 = for rjh45 rje73 =	CW	(WP3)
M32a	8345	16-12	1810	Sat	RMCW: Russian Navy Ship Donuzlav. rcv de rmcw 804 15 16 2102 804 = sml for rje73 rjh45 =	CW	(WP3)
M32a	10082	21-12	0846	Thu	RJD62 ZZD? K. RJC66 RJD62 ZZD 5 K. RJD62 RJC66 ZZD 4 ZN <sup>LL</sup> TRI ODIN ChESTX ZSL? ZS <sup>LL</sup> ? K	CW	(AnEur)
M32a	10082	22-12	0901	Fri	RJC66 setting up a link with RJD62	CW	(AnEur)
M32b	8816	5-12	0841	Tue	rjf94 rjc38 de 75262 qto 0827 qrd XUMU XLWF qbd 0500 qre 0940 k. qqm XUMU 0935 sk	CW	(WP3)
M32b	8816	5-12	1209	Tue	rjf94 rjc38 de 75262 qto 1202 qrd XLAA XUMU qbd 0500 qre 1405 k	CW	(WP3)
M32b	8816	16-12	0730	Sat	Russian Naval Air Transport. rjf94 rjc38 de 52672 qto 0715 qrd XUMO XLMV qbg 0530 qre 1100 k	CW	(WP3)
M32b	8816	16-12	0910	Sat	Russian Naval Air Transport. rjf94 rjc38 de 75253 qto	CW	(WP3)
M32b	8816	22-12	0701	Fri	Russian Naval Air Transport: rjf94 rjc38 de 52672 qth 16532 13408 qtr 0650 qbg 5800 k	CW	(WP3)
M32b	8816	22-12	1431	Fri	Russian Naval Air Transport: rjf94 rjc38 de 52672 qto	CW	(WP3)
M32b	8816	22-12	1637	Fri	Russian Naval Air Transport: 1637 CW rjf94 rjc38 de 45557 qto	CW	(WP3)
M32c	8112	12-12	1220	Tue	W-marker: Tu-95MS Bear H net	CW	(Tom)
M32c	8112	15-12	1000	Fri	W-marker: Tu-95MS Bear H net	CW	(Tom)

M32c	8112	15-12	1120	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1140	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1200	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1220	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1240	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1300	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M32c	8112	15-12	1320	Fri	W-marker: Tu-95MS Bear H net	CW	(AB)
M42	14650	6-12	1127	Wed	Russian Intelligence	MFSK-66	(Danix)
M42	14605	25-12	1011	Mon	Russian diplo: ROP ROP ROP QSY 13430 QSY 13430	CW	(Danix)
M42	12164	26-12	1100	Tue	Russian intel.	OFDM-45	(AB)
M51a	6825	9-12	1322	Sat	i.p. 5LGs, fFGs and punctuation: XMCKD ALODW XNSGW 36479 VFKE . SK /' ZALIV CNWBH SWPLD XBSJA JHFRD NJSDE ...	CW	(AB)
M51a	6825	11-12	1132	Mon	FaviPres/Vernon Fast 5LGs ... AIKOL QLAMP KIAUY ...	CW	(MPJ)
M51a	6825	13-12	1245	Wed	FAV22 i.p. Vitesse 720 clair = la meilleure façon de marcher ...	CW	(MPJ)
M51a	6825	18-12	1953	Mon	FAV22: French Morse Practice	CW	(MPJ)
M51a	6825	30-12	0946	Sat	i.p. VXRAD 25893 VXATG LGPRO DGURA + LA VITESSE DES TEXTES EN CLAIR EST LEGEREMENT SUPERIEURE A LA VITESSE ANNONCEE ...	CW	(AB)
M51a	3881	31-12	0859	Sun	vvv vvv vvv de fav22 fav22 fav 22 qlh 3881/6825 khz	CW	(BvR)
M89	3777	1-12	1523	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	1-12	1523	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4125	1-12	1525	Fri	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	1-12	1525	Fri	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4067	1-12	1527	Fri	V 6TGU (x3) DE GR4W (x2) //4847 sending faster than 4067 station.	CW	(JPL)
M89	4847	1-12	1527	Fri	V 6TGU (x3) DE GR4W (x2) //4067 note: 4847 sending faster than 4067 station.	CW	(JPL)
M89	4720	1-12	1530	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	1-12	1530	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4620	2-12	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4860	CW	(JPL)
M89	4860	2-12	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 4260	CW	(JPL)
M89	6840	2-12	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 4260	CW	(JPL)
M89	3777	2-12	1225	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	2-12	1225	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	2-12	1227	Sat	V 6TGU (x3) DE GR4W (x2) //4847 sending faster than 4067 station.	CW	(JPL)
M89	4847	2-12	1227	Sat	V 6TGU (x3) DE GR4W (x2) //4067 note: 4847 sending faster than 4067 station.	CW	(JPL)
M89	4720	2-12	1230	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	2-12	1230	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4125	2-12	1233	Sat	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4067	2-12	1235	Sat	i.p. 4UA3 34A3 ... AR MSG NR 008 CK 499 14 1202 2030 = 7367 53UT DT47 3U4T ... AR V 6TGU DE GR4W //4847	CW	(JPL)
M89	4131	2-12	1755	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6793	3-12	0657	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	3-12	0657	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	3-12	0700	Sun	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4067	3-12	1407	Sun	V 6TGU (x3) DE GR4W (x2) //4847 note: 4847 sending faster than 4067 station.	CW	(JPL)
M89	4847	3-12	1407	Sun	V 6TGU (x3) DE GR4W (x2) //4607 note: 4847 sending faster than 4067 station.	CW	(JPL)

M89	3777	3-12	1410	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4125	3-12	1411	Sun	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	3-12	1411	Sun	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	3-12	1723	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6793	5-12	0927	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	5-12	0927	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6169	5-12	0928	Tue	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	5-12	0928	Tue	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	3777	5-12	0930	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	5-12	0930	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4538	5-12	0933	Tue	i.p. HR WK NR 12 ? 12 K. HR WK NR 1KNR WK NR 12/12 12/12 12/12 AR K K R A HI RPT RPT R R SK SK SK	CW	(JPL)
M89	9191	5-12	0942	Tue	V B52H (x3) DE NT85 (x2) //6793	CW	(JPL)
M89	10253	5-12	1040	Tue	V 6TGU (x3) DE GR4W (x2) FF 7G GA CQ TH 3 5398 TO 0 .. 148/9438 UDTCO TA ES = 9860 TT48/2000/135NR /5398	CW	(JPL)
M89	5123	5-12	1059	Tue	i.p. RMKS 1442 TO 1892 K. = = = 64DT DN4A N754 DNTU U33A ...	CW	(JPL)
M89	6793	6-12	0033	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	6-12	0033	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10253	6-12	0035	Wed	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	6169	6-12	0711	Wed	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	6-12	0711	Wed	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	8888	6-12	0713	Wed	i.p. A54U T3D5 ATUN 6743	CW	(JPL)
M89	6793	6-12	0719	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	6-12	0719	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	6-12	0720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 10640	CW	(JPL)
M89	8290	6-12	0720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	10640	6-12	0720	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290	CW	(JPL)
M89	7838	6-12	0735	Wed	i.p. 6TU4 T7NA AU47 5AT3 4UDU	CW	(JPL)
M89	7490	6-12	0742	Wed	i.p. 437T 76U6 ATU3 UTDT A53T	CW	(JPL)
M89	7295	6-12	0745	Wed	i.p. VV XBZJ DE QX7F NOTE KP NOTE KP NOTE KP HR WK NR 210 HR WK NR 210 HR WK NR 21 SK SK	CW	(JPL)
M89	9131	7-12	1059	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3777	7-12	1101	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	7-12	1101	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6291	7-12	1112	Thu	i.p. NR QSA 2 K NR HR ITTI.. R HR FF GA K	CW	(JPL)
M89	6840	7-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	4366	7-12	1131	Thu	(i.p. 6UD4 6U73 37U4 6ADT ... AR K	CW	(JPL)
M89	4067	7-12	1943	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	4125	7-12	1946	Thu	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	7-12	1946	Thu	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3777	8-12	1657	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	8-12	1657	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4125	8-12	1659	Fri	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	8-12	1659	Fri	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	8-12	1707	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4532	10-12	1745	Sun	M8JF M8JF M8JF de RIS9 RIS9 V	CW	(AtB)
M89	4847	10-12	1857	Sun	6TGU 6TGU 6TGU de GR4W GR4W V	CW	(AtB)
M89	3777	10-12	2212	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	10-12	2212	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4125	10-12	2213	Sun	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	10-12	2213	Sun	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	10-12	2214	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4067	10-12	2216	Sun	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)

M89	4847	10-12	2216	Sun	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4620	10-12	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4860	10-12	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620	CW	(JPL)
M89	4067	11-12	1111	Mon	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	11-12	1111	Mon	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	3777	11-12	1112	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-12	1112	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4125	11-12	1115	Mon	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	11-12	1115	Mon	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	6169	12-12	0822	Tue	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	12-12	0822	Tue	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	5743	12-12	0827	Tue	V UISD (x3) DE CBFG (x2) //9131	CW	(JPL)
M89	9131	12-12	0827	Tue	V UISD (x3) DE CBFG (x2) //5743	CW	(JPL)
M89	5893	12-12	0834	Tue	i.p. DTTA 6A67 TND6 DA4A TN3A NTTA ... AR K. R R R HR WK NR 3. IIII R HR WK NR 303 K. R VA	CW	(JPL)
M89	4125	12-12	1716	Tue	V UISD (x3) DE CBFG (x2) //5473	CW	(JPL)
M89	5473	12-12	1716	Tue	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3777	12-12	1719	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	12-12	1719	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4620	12-12	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	12-12	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	12-12	1720	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	9131	14-12	0712	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	14-12	0713	Thu	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	14-12	0713	Thu	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	6730	14-12	0719	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	14-12	0719	Thu	V M8JF (x3) DE RIS9 (x2) //6730	CW	(JPL)
M89	5743	14-12	1320	Thu	V UISD (x3) DE CBFG (x2) //9131	CW	(JPL)
M89	9131	14-12	1320	Thu	V UISD (x3) DE CBFG (x2) //5743	CW	(JPL)
M89	5555	14-12	1323	Thu	i.p. UD73 4U3N TUA4 ... AR U7A6 3TD3 ND76 7U3D NU5 FM ...	CW	(JPL)
M89	5391	14-12	1330	Thu	i.p. R HR WK NR 220 K. R HR WK NR 0516 K. R R RPT K. VVV 8LSZ DE HMTJ K	CW	(JPL)
M89	4131	14-12	1613	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4125	14-12	1615	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4532	14-12	1616	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	10253	15-12	0653	Fri	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	9131	15-12	0721	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	15-12	0726	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	15-12	0726	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	7878	15-12	0734	Fri	i.p. R IEC = 4344 AR K. R HR MSG GA K. NR 048 CK 99 25 1215 1530 RMKS 5310 TO 5339 K	CW	(JPL)
M89	3777	15-12	1404	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-12	1404	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	15-12	1406	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	15-12	1406	Fri	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	4125	15-12	1408	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	16-12	0645	Sat	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	16-12	0645	Sat	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	9131	16-12	0648	Sat	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	5331	16-12	0702	Sat	= I7T5/F4HH AR QSY NR 05 QSY NR 05 QSY NR 05 QSY NR 05 VVV	CW	(JPL)
M89	5323	16-12	0712	Sat	i.p. TD43 ADUT T6UA 5N37 ...	CW	(JPL)
M89	5280	16-12	0714	Sat	i.p. D676 734T N44N 76AN ANUT ...	CW	(JPL)
M89	4901	16-12	0715	Sat	FFF NR 1373/EX TIME 1513 RMKS 2N9N092 TO	CW	(JPL)



2999098							
M89	4394	16-12	0727	Sat	i.p. 576T 4367 6A5T 57A6 DN75 ...	CW	(JPL)
M89	5254	16-12	0731	Sat	R 7G GA K. R GA (	CW	(JPL)
M89	5700	16-12	0744	Sat	R QSL ? R QSL 1550 K. R HR WK NR 1241 K	CW	(JPL)
M89	6793	16-12	0748	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	16-12	0748	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	16-12	1352	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	16-12	1352	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	16-12	1353	Sat	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	16-12	1353	Sat	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4125	16-12	1355	Sat	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	16-12	1355	Sat	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	16-12	1359	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3636	16-12	1402	Sat	R IEC = 2178 AR K. R HR F GA R HR FF NR 251/EX 2202 RMKS 8876 TO 0925 EEEEE 8876 TO 0925 K	CW	(JPL)
M89	3777	16-12	1420	Sat	M8JF M8JF M8JF de RIS9 V	CW	(AT)
M89	4847	16-12	1450	Sat	6TGU 6TGU 6TGU de GR4W GR4W V	CW	(AT)
M89	6262	16-12	1815	Sat	B52H B52H B52H de NT85 NT85 V	CW	(AT)
M89	6169	17-12	0610	Sun	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	17-12	0610	Sun	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	6793	17-12	0629	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	17-12	0629	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	17-12	0632	Sun	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	19-12	0827	Tue	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	19-12	0827	Tue	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	9131	19-12	0831	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3777	19-12	0852	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	19-12	0852	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	19-12	0852	Tue	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	3777	19-12	1738	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-12	1738	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	19-12	1740	Tue	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	19-12	1740	Tue	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4125	19-12	1741	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	21-12	0943	Thu	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	3777	21-12	0944	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	21-12	0944	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	9131	21-12	0946	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4067	21-12	1515	Thu	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	21-12	1515	Thu	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4125	21-12	1516	Thu	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	21-12	1516	Thu	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	9131	22-12	1003	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3777	22-12	1005	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	22-12	1005	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6169	22-12	1006	Fri	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	22-12	1006	Fri	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	4047	22-12	1216	Fri	i.p. AT4N 745D 3UN6 4A6U 354D ... AR K. R RPT U R QSL 2024 K	CW	(JPL)
M89	4067	22-12	1221	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	22-12	1221	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4161	22-12	1230	Fri	i.p. RMKS = = 29991 TO 2999138 AR = MSG NR 171 2 CK 74 65 1223 2035 RMKS	CW	(JPL)
M89	4357	22-12	1253	Fri	i.p. R R 6 =H9 DE 4XBC K K (i.p. QSA 2 K K QSY 25 C SK QSY 25 K VVV =59 DE 4XBC K	CW	(JPL)
M89	4125	22-12	1407	Fri	V UISD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	22-12	1407	Fri	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4131	22-12	1409	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4067	22-12	1411	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	22-12	1411	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)

M89	4222	22-12	1420	Fri	i.p. 3N6D 4A6T 5635 4T7N 674U ... 5 = D3DA 6A6D UTTA A5T5 (Cont'd - 1421z)	CW	(JPL)
M89	9131	23-12	0720	Sat	V U1SD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	23-12	0722	Sat	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	23-12	0722	Sat	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	6793	23-12	0724	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	23-12	0724	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	23-12	1213	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	23-12	1213	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4125	23-12	1220	Sat	V U1SD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	23-12	1220	Sat	V U1SD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	4641	23-12	1238	Sat	VVV 5MK (x3) DE 5PT (x2) QRU 1899 1899 SK SK	CW	(JPL)
M89	4131	23-12	1826	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6169	28-12	0839	Thu	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	28-12	0839	Thu	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	3777	28-12	0841	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	28-12	0841	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5743	28-12	0842	Thu	V U1SD (x3) DE CBFG (x2) //9131	CW	(JPL)
M89	9131	28-12	0842	Thu	V U1SD (x3) DE CBFG (x2) //5743	CW	(JPL)
M89	4067	28-12	1352	Thu	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	28-12	1352	Thu	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4125	28-12	1355	Thu	V U1SD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	28-12	1355	Thu	V U1SD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3777	29-12	1704	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	29-12	1704	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	29-12	1709	Fri	V EDC3 (x3) DE VF4R (x2) //4847	CW	(JPL)
M89	4847	29-12	1709	Fri	V ZVRQ (x3) DE 3WRX (x2) //4067	CW	(JPL)
M89	4125	29-12	1720	Fri	V U1SD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	5479	29-12	1720	Fri	V U1SD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	3829	31-12	2112	Sun	VVV JVVA (x3) DE 4WBT (x3) HR WK NR 210 HR WK NR 210 KP NOTE KP SK SK //4847	CW	(JPL)
M89	4067	31-12	2112	Sun	V EDC3 (x3) DE VF4R (x2) //4847 sending differ- ent round slip	CW	(JPL)
M89	4847	31-12	2112	Sun	V 6TGU (x3) DE GR4W (x2) //4067 sending differ- ent round slip	CW	(JPL)
M89	4125	31-12	2115	Sun	V U1SD (x3) DE CBFG (x2) //5479	CW	(JPL)
M89	4153	31-12	2115	Sun	i.p. UD74 NUT4 4D63 3A7N 6DA3 4T7A AR K	CW	(JPL)
M89	5479	31-12	2115	Sun	V U1SD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89v	4153	31-12	1239	Sun	Switched to voice. Female operator	USB	(JPL)
M95	5801	1-12	0245	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-12	0245	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	1-12	1521	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-12	1521	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	2-12	1221	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	2-12	1221	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	2-12	1757	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	3-12	0652	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	3-12	0652	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	3-12	1359	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	5-12	0911	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-12	0911	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	6-12	0001	Wed	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	4243	6-12	0003	Wed	i.p. TTU 773 353 4AA 34U N3D 4A5 ... AR MSG AGN NR 11 CK 066 35 1206 0700 = UT5 TT6 3U4 3A4 TTU 773 353	CW	(JPL)
M95	9054	6-12	0003	Wed	i.p. TTU 773 353 4AA 34U N3D 4A5 ... AR MSG AGN NR 11 CK 066 35 1206 0700 = UT5 TT6 3U4 3A4 TTU 773 353	CW	(JPL)
M95	4364	6-12	0022	Wed	i.p. AR A HR 7G GA NR 1172 CK 36 35 1206 065A = 6E = TAU N5U TT6 T53 TT6 N54 //8073	CW	(JPL)

M95	8073	6-12	0022	Wed	i.p. AR A HR 7G GA NR 1172 CK 36 35 1206 065A = 6E = TAU N5U TT6 T53 TT6 N54 //4364	CW	(JPL)
M95	3642	6-12	0054	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	6-12	0701	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	6-12	0701	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	6-12	0710	Wed	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	9191	6-12	0801	Wed	VV HR MSG GA NR 005/CKK CK 99 64 1206 1600 FM ? 9191D FM 3 9191D3 FM 5678D. 3 369.FM 32351 =	CW	(JPL)
M95	5801	7-12	1052	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-12	1052	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	7-12	1056	Thu	V N52H (x3) DE NT85 (x2)	CW	(JPL)
M95	4364	7-12	1143	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1177 CK 461 35 1207 1600 = //8073	CW	(JPL)
M95	8073	7-12	1143	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1177 CK 461 35 1207 1600 = //4364	CW	(JPL)
M95	4243	7-12	1148	Thu	VV VV HR 7G TO YR PSE CY NR 008 CK 23 35 1207 1550 = //9054	CW	(JPL)
M95	9054	7-12	1148	Thu	VV VV HR 7G TO YR PSE CY NR 008 CK 23 35 1207 1550 = //4243	CW	(JPL)
M95	3642	7-12	1927	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	8-12	1654	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	8-12	1654	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	10-12	2202	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	10-12	2202	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	11-12	1104	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	11-12	1104	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	11-12	1107	Mon	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5757	11-12	1123	Mon	i.p. R HR MSG GA NR 001/CKK CK 191 03 1211 1915 RMKS 6518 TO 6319 K	CW	(JPL)
M95	4364	11-12	1140	Mon	V BNGC (x3) DE XSV85 (x2) A HR MSGS PSE CY NR 1193 CK 45 35 1211 16.3 = //8073	CW	(JPL)
M95	8073	11-12	1140	Mon	V BNGC (x3) DE XSV85 (x2) A HR MSGS PSE CY NR 1193 CK 45 35 1211 16.3 = //4364	CW	(JPL)
M95	4243	11-12	1149	Mon	HR MSG TO YR PSE CY NR 016 CK 30 35 1211 1540 = 5TD UTT TAA 3U6 7TA N44 3A4 357 377 4A6 ... //9054	CW	(JPL)
M95	9054	11-12	1149	Mon	HR MSG TO YR PSE CY NR 016 CK 30 35 1211 1540 = 5TD UTT TAA 3U6 7TA N44 3A4 357 377 4A6 ... //4243	CW	(JPL)
M95	3642	11-12	1745	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	11-12	1745	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	12-12	0823	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	9191	12-12	0825	Tue	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5628	12-12	0836	Tue	i.p. R QSA 2 IEC R QS. K. R IEC = UH AR K. R HR MSG GA K. NR 001/CKK CK 99 23 1212 1645 RMKS 9147 TO 865	CW	(JPL)
M95	3642	12-12	1714	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	14-12	0706	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	9191	14-12	0709	Thu	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	3642	14-12	1318	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	9191	14-12	1319	Thu	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	3642	14-12	1618	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	14-12	1618	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	9191	14-12	1619	Thu	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5801	15-12	0649	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-12	0649	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	15-12	0717	Fri	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5555	15-12	1332	Fri	i.p. /CKK CK 50 24 1021 1500 RMKS 59.. TO 393 = A3.. NUA6 ...	CW	(JPL)



M95	5801	16-12	0635	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-12	0635	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	16-12	0639	Sat	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	3589	16-12	1411	Sat	i.p. VV ZFJ4 DE FNZT VV ZFJ4 DE VNGT K. VV TGN4 VNGT DE 4JFZ QBL5 QBL5 QT.5 DE UGES ...	CW	(JPL)
M95	3642	16-12	1815	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	17-12	0605	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	17-12	0605	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	17-12	0608	Sun	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	4243	17-12	0610	Sun	i.p. HR 7G TO YR PSE CY NR 023 CK 39 35 1217 1033 = UT5 TA7 3U5 3AN TTA ... //9054	CW	(JPL)
M95	9054	17-12	0610	Sun	i.p. HR 7G TO YR PSE CY NR 023 CK 39 35 1217 1033 = UT5 TA7 3U5 3AN TTA ... //4243	CW	(JPL)
M95	5801	19-12	0823	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	19-12	0823	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	19-12	0830	Tue	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	4243	19-12	0844	Tue	AR A HR 7G GA NR 0.. CK 19 35 1219 1548 = UT5 TAN 3U6 3A4 TTA ... A HR UP SB WK //9054	CW	(JPL)
M95	9054	19-12	0844	Tue	AR A HR 7G GA NR 0.. CK 19 35 1219 1548 = UT5 TAN 3U6 3A4 TTA ... A HR UP SB WK //4243	CW	(JPL)
M95	5801	19-12	1736	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	20-12	1010	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-12	1010	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	20-12	1013	Wed	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5801	21-12	0940	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	21-12	0940	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	21-12	0949	Thu	V B52H (x3) DE NT85 (x2) Note: Having problems with roundslip. Sending: B52HNT85 (x3) DE V	CW	(JPL)
M95	3642	21-12	1513	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	22-12	0954	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	22-12	0954	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	22-12	0958	Fri	V B52H (x3) DE NT85 (x2) Note: Having problems with roundslip. Sending: B52HNT85 (x3) DE V	CW	(JPL)
M95	3642	22-12	1352	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	6262	22-12	1401	Fri	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	6262	22-12	1401	Fri	V B52H (x3) DE NT85 (x2) Note: Having problems with roundslip. Sending: B52HNT85 (x3) DE V	CW	(JPL)
M95	3642	22-12	1842	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	22-12	1842	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5744	23-12	0714	Sat	i.p. 05 05	CW	(JPL)
M95	5801	23-12	0714	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	23-12	0714	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9191	23-12	0718	Sat	V B52H (x3) DE NT85 (x2) Note: Having problems with round slip. Now sending: B52HNT85 (x3) DE V	CW	(JPL)
M95	5801	23-12	1209	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	23-12	1209	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	6262	23-12	1212	Sat	V B52H (x3) DE NT85 (x2) Note: Having problems with round slip. Now sending: B52HNT85 (x3) DE V	CW	(JPL)
M95	3642	23-12	1823	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	6262	23-12	1824	Sat	V B52H (x3) DE NT85 (x2)	CW	(JPL)
M95	5801	28-12	0758	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-12	0758	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5555	28-12	0902	Thu	i.p. /// FFF FFF NR 12 NR 1773/EX CK VVV QSC AR K ... GA	CW	(JPL)
M95	3642	29-12	1701	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4243	31-12	1146	Sun	VV HR MSG TO YR PSE CY NR 66 CK 17 35 1231 1604 = 5TD UTT T3A 3U6 3A4 ...	CW	(JPL)
M95	3642	31-12	2108	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)

MC03	4076	17-12	1330	Sun	Chinese Air Defense, grid tracking //5436 kHz	CW	(AT)
MC03	5436	17-12	1330	Sun	Chinese Air Defense, grid tracking //4076 kHz	CW	(AT)
MX	4558.1	3-12	1715	Sun	Beacon A	CW	(MPJ)
MX	13528.1	5-12	1022	Tue	Beacon A, Astrakhan	CW	(EW)
MX	13528.3	5-12	1024	Tue	Beacon K, Petropavlovsk	CW	(EW)
MX	10872.3	5-12	1027	Tue	Beacon K, Petropavlovsk	CW	(EW)
MX	7039.3	5-12	1033	Tue	Beacon K, Petropavlovsk	CW	(EW)
MX	3658	8-12	2204	Fri	Beacon V	CW	(AB)
MX	4558.1	11-12	1713	Mon	Beacon A, Astrakhan	CW	(MPJ)
MX	5156.8	24-12	0706	Sun	Beacon L, St Petersburg	CW	(AB)
POL	16112	1-12	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	16112	1-12	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	8680	1-12	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	8680	1-12	1505	Fri	Polish Intel.	BPSK-63	(AB)
POL	4840	1-12	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4840	1-12	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	6986	2-12	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	2-12	1445	Sat	Polish Intel.	BPSK-63	(AB)
POL	10800	3-12	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	10800	3-12	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13470	3-12	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	3-12	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	3-12	1440	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	3-12	1455	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	4-12	1410	Mon	Polish Intel.	BPSK-63	(AB)
POL	13470	4-12	1415	Mon	Polish Intel.	BPSK-63	(AB)
POL	10800	6-12	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	10800	6-12	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10487	6-12	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10487	6-12	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	6-12	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	6-12	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	4840	6-12	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	6-12	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	16112	8-12	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	16112	8-12	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	8680	8-12	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	8680	8-12	1505	Fri	Polish Intel.	BPSK-63	(AB)
POL	4840	8-12	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4840	8-12	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10487	9-12	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10487	9-12	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	9-12	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	9-12	1445	Sat	Polish Intel.	BPSK-63	(AB)
POL	10800	10-12	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	10800	10-12	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13470	10-12	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	10-12	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	10-12	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	10-12	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10800	13-12	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	10800	13-12	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10487	13-12	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10487	13-12	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	13-12	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	13-12	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	4840	13-12	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	13-12	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	8680	15-12	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	8680	15-12	1505	Fri	Polish Intel.	BPSK-63	(AB)

POL	4840	15-12	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4840	15-12	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	6986	16-12	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	16-12	1445	Sat	Polish Intel.	BPSK-63	(AB)
POL	13470	17-12	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	17-12	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	17-12	1440	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	17-12	1445	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	17-12	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	17-12	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10800	20-12	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	10800	20-12	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10487	20-12	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10487	20-12	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	20-12	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	20-12	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	4840	20-12	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	20-12	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	22-12	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4840	22-12	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10487	23-12	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10487	23-12	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	23-12	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	23-12	1445	Sat	Polish Intel.	BPSK-63	(AB)
POL	10800	24-12	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	10800	24-12	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13470	24-12	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	24-12	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	24-12	1440	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	24-12	1445	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	24-12	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	24-12	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10800	27-12	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	10800	27-12	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10487	27-12	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10487	27-12	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	27-12	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	6986	27-12	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	4840	27-12	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	27-12	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	4840	29-12	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4840	29-12	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10487	30-12	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10487	30-12	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	30-12	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	6986	30-12	1445	Sat	Polish Intel.	BPSK-63	(AB)
POL	10800	31-12	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	10800	31-12	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13470	31-12	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13470	31-12	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	31-12	1440	Sun	Polish Intel.	BPSK-63	(AB)
POL	16112	31-12	1445	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	31-12	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	8680	31-12	1505	Sun	Polish Intel.	BPSK-63	(AB)
Q26	7705	3-12	0940	Sun	Messages in 4-letter groups	4+4 QPSK 75/3000 LSB	(Phi-CHN)
Q26	4364	7-12	1132	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	7-12	1132	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)

<b>Q26</b>	4243	7-12	1147	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	7-12	1147	Thu	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	11-12	1134	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	11-12	1134	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	31-12	1141	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>RAv</b>	11360	11-12	1122	Mon	Korsar w/76649 (IL-76MD 708th VTAP Taganrog Central) QSL's for flt info.	USB	(RP-UKR)
<b>RAv</b>	11360	11-12	1126	Mon	Acft 19600 calling Korsar & Klarnetist w/no response.	USB	(RP-UKR)
<b>RAv</b>	11360	11-12	1126	Mon	Korsar w/76530 (IL-76MD 566th Air Transport Regiment, Bryansk) QSL's for flt info.	USB	(RP-UKR)
<b>RAv</b>	11360	11-12	1128	Mon	Korsar w/78835 (IL-76MD) QSL's for flt info.	USB	(RP-UKR)
<b>RAv</b>	11360	11-12	1246	Mon	Korsar calling 82035 (Russian AF AN-124 566th Military Transport Air Regiment - Seshcha) w/no response.	USB	(RP-UKR)
<b>RAv</b>	6685	11-12	1715	Mon	76922 (IL-76MD) USB w/Korsar reporting 3 hrs into flt w/48 tons fuel & ops normal.	USB	(RP-UKR)
<b>RAv</b>	11360	14-12	1114	Thu	Korsar clg 76548 (IL-76MD--IL-76MD 12th Military Transport Air Division-Tver/Migalovo) w/no response.	USB	(RP-HNG)
<b>RAv</b>	11360	14-12	1149	Thu	Korsar w/76554 (IL-76MD IL-76MD 117th Military Transport Air Regiment - Orenburg/Southwest) reporting 2 hrs into flt w/41 tons fuel & ops normal	USB	(RP-HNG)
<b>RAv</b>	11360	14-12	1152	Thu	Korsar R/Cs w/76643(IL-76MD)	USB	(RP-HNG)
<b>RAv</b>	11360	14-12	1305	Thu	Korsar R/Cs w/76702(IL-76MD)	USB	(RP-HNG)
<b>RAv</b>	11360	22-12	1021	Fri	Korsar w/78794 (IL-76MD) reporting departure from Chkalovskiy w/75 tons fuel & next is Raspiska (Russian AB Mozdok).	USB	(RP-MD)
<b>RAv</b>	11360	22-12	1043	Fri	Proselok w/78778 (IL-76MD--not heard) reporting departure from (missed) at 1331 MSK w/50 tons fuel	USB	(RP-MD)
<b>RAv</b>	6685	22-12	1302	Fri	Korsar w/76590 (IL-76MD) reporting 1 hr into flt & ops normal	USB	(RP-MD)
<b>S06</b>	7607	1-12	1900	Fri	514 514 514 00000	USB	(AB/MPJ/HFD)
<b>S06</b>	5412	1-12	2000	Fri	514 514 514 00000	USB	(AB/HFD)
<b>S06</b>	4016	2-12	2000	Sat	913 913 913 00000	USB	(AB/ES)
<b>S06</b>	3398	2-12	2100	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	10755	6-12	1232	Wed	i.p. 47081 07361 57248 55894 53978 87740 93506 34794 160 27 00000	USB	(AB)
<b>S06</b>	7607	15-12	1900	Fri	514 514 514 00000	USB	(AB/MPJ)
<b>S06</b>	5412	15-12	2000	Fri	514 514 514 00000	USB	(AB)
<b>S06</b>	4012	16-12	2000	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	3398	16-12	2100	Sat	913 913 913 00000	USB	(AB)
<b>S06</b>	10755	22-12	0950	Fri	2 messages i.p. 12887 32846 75859 316 28 975 841 24 64217 48628 50090 ... 33488 73890 21266 841 24 00000	USB	(AB)
<b>S06</b>	8116	26-12	1000	Tue	Unscheduled transmission 480 916 40 56799 23172 12538 ... 99288 71561 84703 916 40 00000. Two identical S06 stations. One of them switched to OFDM.	USB	(qsr711)
<b>S06</b>	6792	26-12	1030	Tue	Unscheduled transmission 480 916 40 56799 23172 12538 ... 99288 71561 84703 916 40 00000	USB	(Dania/qsr711)

<b>S06</b>	12164	26-12	1030	Tue	Unscheduled transmission 480 916 40 56799 23172 12538 ... 99288 71561 84703 916 40 00000. Leaking into the ODFM channel	USB	(AB/qs711)
<b>S06</b>	17435	29-12	0830	Fri	842 ...	USB	(AB-Sib)
<b>S06</b>	17435	29-12	0835	Fri	i.p.	USB	(HFD-CHN)
<b>S06</b>	14375	29-12	0930	Fri	842 651 34 68350 ...	USB	(HFD-CHN)
<b>S06c</b>	15736	9-12	1050	Sat	11115	USB	(Danix)
<b>S06c</b>	13468	9-12	1100	Sat	11115	USB	(Danix)
<b>S06c</b>	13952	20-12	0630	Wed	11216 (R4m)	USB	(Danix-GRC)
<b>S06s</b>	5765	1-12	0900	Fri	624 830 5 49254 34606 43279 47175 94621 830 5 00000	USB	(AB)
<b>S06s</b>	6315	1-12	0910	Fri	624 830 5 49254 34606 43279 47175 94621 830 5 00000	USB	(AB)
<b>S06s</b>	11780	1-12	0930	Fri	516 293 7 15690 85544 34558 49232 43247 33666 59621 293 7 00000	USB	(AB)
<b>S06s</b>	12570	1-12	0940	Fri	516 293 7 15690 85544 34558 49232 43247 33666 59621 293 7 00000	USB	(AB)
<b>S06s</b>	8680	2-12	0800	Sat	254 973 6 54990 38921 78229 02025 87291 33661 973 6 00000	USB	(AB)
<b>S06s</b>	8260	2-12	0810	Sat	254 973 6 54990 38921 78229 02025 87291 33661 973 6 00000	USB	(AB)
<b>S06s</b>	13470	3-12	0630	Sun	524 981 6 16813 29833 04066 25039 03595 02576 981 6 00000	USB	(AB/HFD-ISR)
<b>S06s</b>	16515	3-12	0640	Sun	524 981 6 16813 29833 04066 25039 03595 02576 981 6 00000	USB	(AB-UKR/HFD)
<b>S06s</b>	8057	4-12	0830	Mon	371 589 6 35861 33432 89319 32494 31283 31472 589 6 00000	USB	(AB)
<b>S06s</b>	8530	4-12	0840	Mon	371 589 6 35861 33432 89319 32494 31283 31472 589 6 00000	USB	(AB)
<b>S06s</b>	14675	4-12	0900	Mon	872 961 5 87380 36118 36744 37610 86587 961 5 00000	USB	(AB)
<b>S06s</b>	12830	4-12	0910	Mon	872 961 5 87380 36118 36744 37610 86587 961 5 00000	USB	(AB)
<b>S06s</b>	8420	4-12	1300	Mon	831 947 5 33430 94857 33764 43432 37693 947 5 00000	USB	(AB/MPJ)
<b>S06s</b>	10635	4-12	1310	Mon	831 947 5 33430 94857 33764 43432 37693 947 5 00000	USB	(AB/MPJ)
<b>S06s</b>	5210	5-12	0700	Tue	374 852 6 37661 30885 48702 38377 49334 85371 852 6 00000	USB	(AB)
<b>S06s</b>	6320	5-12	0715	Tue	374 852 6 37661 30885 48702 38377 49334 85371 852 6 00000	USB	(AB)
<b>S06s</b>	7410	5-12	0730	Tue	427 869 5 34888 33661 37167 37671 43391 869 5 00000	USB	(AB)
<b>S06s</b>	11532	5-12	0740	Tue	427 869 5 34888 33661 37167 37671 43391 869 5 00000	USB	(AB)
<b>S06s</b>	6440	5-12	1000	Tue	893 276 5 33844 33282 36533 31752 33076 276 5 00000	USB	(AB)
<b>S06s</b>	5660	5-12	1010	Tue	893 276 5 33844 33282 36533 31752 33076 276 5 00000	USB	(AB)
<b>S06s</b>	5035	5-12	1100	Tue	754 238 6 33699 39998 30677 35947 83964 40774 238 6 00000	USB	(AB)
<b>S06s</b>	5975	5-12	1110	Tue	754 238 6 33699 39998 30677 35947 83964 40774 238 6 00000	USB	(AB)
<b>S06s</b>	6845	5-12	1500	Tue	537 294 6 40639 33180 48007 37230 36446 43475 294 6 00000	USB	(AB)
<b>S06s</b>	9170	5-12	1510	Tue	537 294 6 40639 33180 48007 37230 36446 43475 294 6 00000	USB	(AB)
<b>S06s</b>	8417	6-12	0820	Wed	471 508 6 15038 15107 20064 04066 83072 11045 508 6 00000	USB	(AB)



<b>S06s</b>	7062	6-12	0830	Wed	464 219 5 03591 29834 16093 57024 30011 219 5 00000	USB	(AB)
<b>S06s</b>	9262	6-12	0830	Wed	471 508 6 15038 15107 20064 04066 83072 11045 508 6 00000	USB	(AB)
<b>S06s</b>	11535	6-12	0830	Wed	745 923 6 44735 15220 88148 20380 88650 23303 923 6 00000	USB	(AB)
<b>S06s</b>	10532	6-12	0840	Wed	464 219 5 03591 29834 16093 57024 30011 219 5 00000	USB	(AB)
<b>S06s</b>	11830	6-12	0840	Wed	745 923 6 44735 15220 88148 20380 88650 23303 923 6 00000	USB	(AB)
<b>S06s</b>	12365	6-12	1000	Wed	729 405 6 40228 25828 47234 22930 48754 20239 405 6 00000	USB	(AB)
<b>S06s</b>	14280	6-12	1010	Wed	729 405 6 40228 25828 47234 22930 48754 20239 405 6 00000	USB	(AB)
<b>S06s</b>	8812	7-12	0930	Thu	314 597 6 48436 81480 30762 33400 42470 39374 597 6 00000	USB	(AB)
<b>S06s</b>	9540	7-12	0940	Thu	314 597 6 48436 81480 30762 33400 42470 39374 597 6 00000	USB	(AB)
<b>S06s</b>	12155	7-12	1200	Thu	425 980 6 86760 36014 41014 95384 33983 30284 980 6 00000	USB	(AB/MPJ)
<b>S06s</b>	10920	7-12	1210	Thu	425 980 6 86760 36014 41014 95384 33983 30284 980 6 00000	USB	(AB/MPJ)
<b>S06s</b>	5765	8-12	0900	Fri	624 830 5 49254 34606 43279 47175 94621 830 5 00000	USB	(AB)
<b>S06s</b>	6315	8-12	0910	Fri	624 830 5 49254 34606 43279 47175 94621 830 5 00000	USB	(AB)
<b>S06s</b>	11780	8-12	0930	Fri	516 293 7 15690 85544 34558 49232 43247 33666 59621 293 7 00000	USB	(AB)
<b>S06s</b>	12570	8-12	0940	Fri	516 293 7 15690 85544 34558 49232 43247 33666 59621 293 7 00000	USB	(AB)
<b>S06s</b>	13470	10-12	0630	Sun	524 981 6 16813 29833 04066 25039 03595 02576 981 6 00000	USB	(AB-UKR)
<b>S06s</b>	16515	10-12	0640	Sun	524 981 6 16813 29833 04066 25039 03595 02576 981 6 00000	USB	(AB-UKR)
<b>S06s</b>	8057	11-12	0830	Mon	371 589 6 35861 33432 89319 32494 31283 31472 589 6 00000	USB	(AB)
<b>S06s</b>	8530	11-12	0840	Mon	371 589 6 35861 33432 89319 32494 31283 31472 589 6 00000	USB	(AB)
<b>S06s</b>	14675	11-12	0900	Mon	872 961 5 87380 36118 36744 37610 86587 961 5 00000	USB	(AB)
<b>S06s</b>	12830	11-12	0910	Mon	872 961 5 87380 36118 36744 37610 86587 961 5 00000	USB	(AB)
<b>S06s</b>	8420	11-12	1300	Mon	831 947 5 33430 94857 33764 43432 37693 947 5 00000	USB	(AB/MPJ)
<b>S06s</b>	10635	11-12	1310	Mon	831 947 5 33430 94857 33764 43432 37693 947 5 00000	USB	(AB/MPJ)
<b>S06s</b>	16145	12-12	0600	Tue	438 270 5 41347 85557 43311 43758 49485 270 5 00000	AM	(AB-UKR)
<b>S06s</b>	14240	12-12	0610	Tue	438 270 5 41347 85557 43311 43758 49485 270 5 00000	AM	(AB-UKR)
<b>S06s</b>	5210	12-12	0700	Tue	374 852 6 37661 30885 48702 38377 49334 85371 852 6 00000	USB	(AB)
<b>S06s</b>	6320	12-12	0715	Tue	374 852 6 37661 30885 48702 38377 49334 85371 852 6 00000	USB	(AB)
<b>S06s</b>	7410	12-12	0730	Tue	427 869 5 34888 33661 37167 37671 43391 869 5 00000	USB	(AB)
<b>S06s</b>	11532	12-12	0740	Tue	427 869 5 34888 33661 37167 37671 43391 869 5 00000	USB	(AB)
<b>S06s</b>	11945	12-12	0800	Tue	352 987 6 34031 49980 48995 40333 43389 30419 987 6 00000	USB	(AB)

<b>S06s</b>	13195	12-12	0810	Tue	352 987 6 34031 49980 48995 40333 43389 30419 987 6 00000	USB	(AB)
<b>S06s</b>	6440	12-12	1000	Tue	893 276 5 33844 33282 36533 31752 33076 276 5 00000	USB	(AB/MPJ)
<b>S06s</b>	5660	12-12	1010	Tue	893 276 5 33844 33282 36533 31752 33076 276 5 00000	USB	(AB/MPJ)
<b>S06s</b>	5035	12-12	1100	Tue	754 238 6 33699 39998 30677 35947 83964 40774 238 6 00000	USB	(AB/MPJ)
<b>S06s</b>	5975	12-12	1110	Tue	754 238 6 33699 39998 30677 35947 83964 40774 238 6 00000	USB	(AB/MPJ)
<b>S06s</b>	6845	12-12	1500	Tue	537 294 6 40639 33180 48007 37230 36446 43475 294 6 00000	USB	(AB)
<b>S06s</b>	9170	12-12	1510	Tue	537 294 6 40639 33180 48007 37230 36446 43475 294 6 00000	USB	(AB)
<b>S06s</b>	8417	13-12	0820	Wed	471 508 6 15038 15107 20064 04066 83072 11045 508 6 00000	USB	(AB)
<b>S06s</b>	7062	13-12	0830	Wed	464 219 5 03591 29834 16093 57024 30011 219 5 00000	USB	(AB)
<b>S06s</b>	9262	13-12	0830	Wed	471 508 6 15038 15107 20064 04066 83072 11045 508 6 00000	USB	(AB)
<b>S06s</b>	11535	13-12	0830	Wed	745 923 6 44735 15220 88148 20380 88650 23303 923 6 00000	USB	(AB)
<b>S06s</b>	10532	13-12	0840	Wed	464 219 5 03591 29834 16093 57024 30011 219 5 00000	USB	(AB)
<b>S06s</b>	11830	13-12	0840	Wed	745 923 6 44735 15220 88148 20380 88650 23303 923 6 00000	USB	(AB)
<b>S06s</b>	12365	13-12	1000	Wed	729 405 6 40228 25828 47234 22930 48754 20239 405 6 00000	USB	(AnEur)
<b>S06s</b>	14280	13-12	1010	Wed	729 405 6 40228 25828 47234 22930 48754 20239 405 6 00000	USB	(AnEur)
<b>S06s</b>	8812	14-12	0930	Thu	314 597 6 48436 81480 30762 33400 42470 39374 597 6 00000	USB	(AB)
<b>S06s</b>	9540	14-12	0940	Thu	314 597 6 48436 81480 30762 33400 42470 39374 597 6 00000	USB	(AB)
<b>S06s</b>	12155	14-12	1200	Thu	425 980 6 86760 36014 41014 95384 33983 30284 980 6 00000	USB	(AB)
<b>S06s</b>	10920	14-12	1210	Thu	425 980 6 86760 36014 41014 95384 33983 30284 980 6 00000	USB	(AB)
<b>S06s</b>	5765	15-12	0859	Fri	516 516 516, then at 0900z 624 870 5 77242 62548 58809 86080 72947 870 5 00000	USB	(AB-UKR)
<b>S06s</b>	6315	15-12	0910	Fri	624 870 5 77242 62548 58809 86080 72947 870 5 00000	USB	(AB)
<b>S06s</b>	11780	15-12	0930	Fri	516 489 7 67949 06475 40400 83726 95993 63070 00930 489 7 00000	AM	(AB)
<b>S06s</b>	12570	15-12	0940	Fri	516 489 7 67949 06475 40400 83726 95993 63070 00930 489 7 00000	AM	(AB)
<b>S06s</b>	8057	18-12	0830	Mon	371 205 6 61633 84776 74162 13534 66468 35644 205 6 00000	USB	(AB)
<b>S06s</b>	8530	18-12	0840	Mon	371 205 6 61633 84776 74162 13534 66468 35644 205 6 00000	USB	(AB)
<b>S06s</b>	14675	18-12	0900	Mon	872 594 6 79961 04322 16527 39305 17203 80333 594 6 00000	USB	(AB)
<b>S06s</b>	12830	18-12	0910	Mon	872 594 6 79961 04322 16527 39305 17203 80333 594 6 00000	USB	(AB)
<b>S06s</b>	8420	18-12	1300	Mon	831 275 6 11256 09015 85836 75483 07608 99997 275 6 00000	USB	(AB/MPJ)
<b>S06s</b>	10635	18-12	1310	Mon	831 275 6 11256 09015 85836 75483 07608 99997 275 6 00000	USB	(AB/MPJ)
<b>S06s</b>	16145	19-12	0600	Tue	438 915 6 34614 48756 91866 20314 30713 73965 915 6 00000	AM	(AB-UKR)

<b>S06s</b>	14240	19-12	0610	Tue	438 915 6 34614 48756 91866 20314 30713 73965 915 6 00000	AM	(AB-UKR)
<b>S06s</b>	5210	19-12	0700	Tue	374 519 6 23375 56927 69640 76379 51606 77242 519 6 00000	USB	(AB)
<b>S06s</b>	6320	19-12	0715	Tue	374 519 6 23375 56927 69640 76379 51606 77242 519 6 00000	USB	(AB)
<b>S06s</b>	7410	19-12	0730	Tue	427 953 6 07660 58672 72400 87815 53148 07393 953 6 00000	USB	(AB)
<b>S06s</b>	11532	19-12	0740	Tue	427 953 6 07660 58672 72400 87815 53148 07393 953 6 00000	USB	(AB)
<b>S06s</b>	11945	19-12	0800	Tue	352 974 6 97964 01368 81379 65520 34896 47985 974 6 00000	USB	(AB-UKR)
<b>S06s</b>	13195	19-12	0810	Tue	352 974 6 97964 01368 81379 65520 34896 47985 974 6 00000	USB	(AB)
<b>S06s</b>	6440	19-12	1000	Tue	893 425 6 30141 90966 27700 37136 51939 58809 425 6 00000	USB	(AB-UKR)
<b>S06s</b>	5660	19-12	1010	Tue	893 425 6 30141 90966 27700 37136 51939 58809 425 6 00000	USB	(AB-UKR)
<b>S06s</b>	5035	19-12	1100	Tue	754 903 6 30713 73965 81301 44597 74710 39477 903 6 00000	USB	(AB-POL)
<b>S06s</b>	5975	19-12	1110	Tue	754 903 6 30713 73965 81301 44597 74710 39477 903 6 00000	USB	(AB- POL/MPJ)
<b>S06s</b>	6845	19-12	1500	Tue	537 980 6 64602 11070 31074 77930 67993 98668 980 6 00000	USB	(AB/MPJ)
<b>S06s</b>	9170	19-12	1510	Tue	537 980 6 64602 11070 31074 77930 67993 98668 980 6 00000	USB	(AB/MPJ)
<b>S06s</b>	8417	20-12	0820	Wed	471 968 5 36628 32225 30878 49980 49885 968 5 00000	USB	(AB)
<b>S06s</b>	7062	20-12	0830	Wed	464 831 5 37016 34984 44220 84912 41866 831 5 00000	USB	(AB)
<b>S06s</b>	9262	20-12	0830	Wed	471 968 5 36628 32225 30878 49980 49885 968 5 00000	USB	(AB)
<b>S06s</b>	11535	20-12	0830	Wed	745 293 6 92971 30490 46481 33987 37393 48944 293 6 00000	USB	(AB)
<b>S06s</b>	10532	20-12	0840	Wed	464 831 5 37016 34984 44220 84912 41866 831 5 00000	USB	(AB)
<b>S06s</b>	11830	20-12	0840	Wed	745 293 6 92971 30490 46481 33987 37393 48944 293 6 00000	USB	(AB)
<b>S06s</b>	12365	20-12	1000	Wed	729 438 5 80638 42181 68342 77240 34852 438 5 00000	USB	(AB/MPJ)
<b>S06s</b>	14280	20-12	1010	Wed	729 438 5 80638 42181 68342 77240 34852 438 5 00000	USB	(AB/MPJ)
<b>S06s</b>	8812	21-12	0930	Thu	314 289 5 92971 30490 46481 33987 37393 289 5 00000	USB	(AB)
<b>S06s</b>	9540	21-12	0940	Thu	314 289 5 92971 30490 46481 33987 37393 289 5 00000	USB	(AB)
<b>S06s</b>	12155	21-12	1200	Thu	425 831 6 98539 43324 98306 42 restart at 1207 UTC: 425 (R) 98539 43324 98306 33149 07660 71851 831 6 00000	AM	(AB)
<b>S06s</b>	10920	21-12	1214	Thu	Late start. 425 831 6 98539 43324 98306 33149 07660 71851 831 6 00000	AM	(AB)
<b>S06s</b>	5765	22-12	0900	Fri	624 870 5 77242 62548 58809 86080 72947 870 5 00000	USB	(AB-UKR)
<b>S06s</b>	6315	22-12	0910	Fri	624 870 5 77242 62548 58809 86080 72947 870 5 00000	USB	(AB)
<b>S06s</b>	11780	22-12	0930	Fri	516 489 7 67949 06475 40400 83726 95993 63070 00930 489 7 00000	AM	(AB)
<b>S06s</b>	12570	22-12	0940	Fri	516 489 7 67949 06475 40400 83726 95993 63070 00930 489 7 00000	AM	(AB/BvR)
<b>S06s</b>	13470	24-12	0630	Sun	524 801 6 24317 68577 86237 76652 18206	USB	(AB)



					83390 801 6 00000			
S06s	16515	24-12	0640	Sun	524 801 6 24317 68577 86237 76652 18206 83390 801 6 00000	USB	(AB)	
S06s	8057	25-12	0830	Mon	371 205 6 61633 84776 74162 13534 66468 35644 205 6 00000	USB	(AB)	
S06s	8530	25-12	0840	Mon	371 205 6 61633 84776 74162 13534 66468 35644 205 6 00000	USB	(AB)	
S06s	14675	25-12	0900	Mon	872 594 6 79961 04322 16527 39305 17203 80333 594 6 00000	USB	(AB-UKR)	
S06s	12830	25-12	0910	Mon	872 594 6 79961 04322 16527 39305 17203 80333 594 6 00000	USB	(AB-UKR)	
S06s	16145	26-12	0600	Tue	438 915 6 34614 48756 91866 20314 30713 73965 915 6 00000	AM	(AB-UKR)	
S06s	14240	26-12	0610	Tue	438 915 6 34614 48756 91866 20314 30713 73965 915 6 00000	AM	(AB-UKR)	
S06s	5210	26-12	0700	Tue	374 519 6 23375 56927 69640 76379 51606 77242 519 6 00000	USB	(AB)	
S06s	6320	26-12	0715	Tue	374 519 6 23375 56927 69640 76379 51606 77242 519 6 00000	USB	(AB)	
S06s	7410	26-12	0730	Tue	427 953 6 07660 58672 72400 87815 53148 07393 953 6 00000	USB	(AB)	
S06s	11532	26-12	0740	Tue	427 953 6 07660 58672 72400 87815 53148 07393 953 6 00000	USB	(AB)	
S06s	11945	26-12	0800	Tue	352 974 6 97964 01368 81379 65520 34896 47985 974 6 00000	USB	(AB-UKR)	
S06s	13195	26-12	0810	Tue	352 974 6 97964 01368 81379 65520 34896 47985 974 6 00000	USB	(AB)	
S06s	6440	26-12	1000	Tue	893 425 6 30141 90966 27700 37136 51939 58809 425 6 00000	USB	(AB-UKR)	
S06s	5660	26-12	1010	Tue	893 425 6 30141 90966 27700 37136 51939 58809 425 6 00000	USB	(AB-UKR)	
S06s	5035	26-12	1100	Tue	754 903 6 30713 73965 81301 44597 74710 39477 903 6 00000	USB	(AB-UKR)	
S06s	5975	26-12	1110	Tue	754 903 6 30713 73965 81301 44597 74710 39477 903 6 00000	USB	(AB-UKR)	
S06s	6845	26-12	1500	Tue	537 980 6 64602 11070 31074 77930 67993 98668 980 6 00000	USB	(AB)	
S06s	9170	26-12	1510	Tue	537 980 6 64602 11070 31074 77930 67993 98668 980 6 00000	USB	(AB)	
S06s	8417	27-12	0820	Wed	471 968 5 36628 32225 30878 49980 49885 968 5 00000	USB	(AB)	
S06s	9262	27-12	0830	Wed	471 968 5 36628 32225 30878 49980 49885 968 5 00000	USB	(AB)	
S06s	11535	27-12	0830	Wed	745 293 6 92971 30490 46481 33987 37393 48944 293 6 00000	USB	(AB)	
S06s	11830	27-12	0840	Wed	745 293 6 92971 30490 46481 33987 37393 48944 293 6 00000	USB	(AB)	
S06s	12365	27-12	1000	Wed	729 438 5 80638 42181 68342 77240 34852 438 5 00000	USB	(AB)	
S06s	14280	27-12	1010	Wed	729 438 5 80638 42181 68342 77240 34852 438 5 00000	USB	(AB)	
S06s	8812	28-12	0930	Thu	314 289 5 92971 30490 46481 33987 37393 289 5 00000	USB	(AB)	
S06s	9540	28-12	0940	Thu	314 289 5 92971 30490 46481 33987 37393 289 5 00000	USB	(AB)	
S06s	5765	29-12	0900	Fri	624 870 5 77242 62548 58809 86080 then off when they realized that it should have been a null message	USB	(AB)	
S06s	6315	29-12	0910	Fri	624 624 624 00000	USB	(AB)	
S06s	11780	29-12	0930	Fri	516 516 516 00000	AM	(AB)	

S06s	12570	29-12	0940	Fri	516 516 516 00000	AM	(AB)
S06s	13470	31-12	0630	Sun	524 524 524 00000	USB	(AB)
S06s	16515	31-12	0640	Sun	524 524 524 00000	USB	(AB)
S11a	4828	1-12	0455	Fri	321/00	USB	(AB)
S11a	7840	1-12	1020	Fri	429/00	USB	(AB/MPJ)
S11a	16335	1-12	1650	Fri	921/00	USB	(AB/MPJ)
S11a	5815	1-12	1955	Fri	379/00	USB	(AB/MPJ)
S11a	10728	2-12	1540	Sat	569/00	USB	(MPJ)
S11a	11486	2-12	1850	Sat	Null message. Barely audible	USB	(AB)
S11a	11559	4-12	1015	Mon	479/00	USB	(AB/MPJ)
S11a	4828	5-12	0455	Tue	320/00	USB	(AB)
S11a	7840	5-12	1020	Tue	421/00	USB	(AB)
S11a	10728	6-12	1540	Wed	563/00	USB	(AB)
S11a	11486	6-12	1850	Wed	287/00	USB	(AB/MPJ)
S11a	5815	6-12	1955	Wed	373/00	USB	(AB/MPJ)
S11a	4828	8-12	0455	Fri	320/00	USB	(AB)
S11a	7840	8-12	1020	Fri	421/00	USB	(AB/MPJ)
S11a	16335	8-12	1650	Fri	921/00	USB	(AB/MPJ)
S11a	5815	8-12	1955	Fri	377/00	USB	(MPJ)
S11a	10728	9-12	1540	Sat	561/00	USB	(AB/MPJ)
S11a	11559	11-12	1015	Mon	476/00	USB	(AB/MPJ)
S11a	7840	12-12	1020	Tue	427/39 Vnimanaye 87003 63866 58893 ... 03490 44597 73137 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	10728	13-12	1540	Wed	560/00	USB	(AB/GHn/ MPJ)
S11a	11486	13-12	1850	Wed	284/35 Vnimanaye 70528 40975 08290 ... 44727 17366 94126 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5815	13-12	1955	Wed	370/35 Vnimanaye ...	USB	(MPJ)
S11a	4828	15-12	0455	Fri	325/00	USB	(AB)
S11a	7840	15-12	1020	Fri	427/39 Vnimanaye 87003 63866 58893 ... 03490 44597 73137 Vnimanaye, rpt msg, konets	USB	(AB/ML4)
S11a	5815	15-12	1955	Fri	370/34 Vnimanaye 68733 50850 59712 ... 98413 11653 48837 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10728	16-12	1540	Sat	564/00	USB	(MPJ/GHn)
S11a	11559	18-12	1015	Mon	476/37 Vnimanaye 22368 88990 56814 ... 07396 66495 05740 Vnimanaye, rpt msg, konets	USB	(AB-GRC)
S11a	4828	19-12	0455	Tue	320/00	USB	(AB)
S11a	7840	19-12	1020	Tue	427/00	USB	(AB)
S11a	10728	20-12	1540	Wed	560/35 Vnimanaye 45662 79782 60272 ... 78567 94896 74923 Vnimanaye, rpt msg, konets	USB	(AB- GRC/MPJ)
S11a	11486	20-12	1850	Wed	280/00	USB	(AB-GRC)
S11a	5815	20-12	1955	Wed	371/00	USB	(AB/MPJ)
S11a	7840	22-12	1020	Fri	422/00	USB	(AB)
S11a	5815	22-12	1955	Fri	378/00	USB	(AB/MPJ)
S11a	10728	23-12	1540	Sat	560/35 Vnimanaye 45662 79782 60272 ... 78567 94896 74923 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	11486	23-12	1850	Sat	288/00	USB	(AB)
S11a	4828	26-12	0455	Tue	329/35 Vnimanaye 53447 04218 46665 ... 92548 71483 72660 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	7840	26-12	1020	Tue	425/00	USB	(AB)
S11a	10728	27-12	1540	Wed	564/00	USB	(MPJ)
S11a	11486	27-12	1850	Wed	282/00	USB	(MPJ)
S11a	5815	27-12	1955	Wed	372/00	USB	(AB)
S11a	11559	28-12	1015	Thu	475/00	USB	(AB)
S11a	4828	29-12	0455	Fri	329/35 Vnimanaye 53447 04218 46665 ... 92548 71483 72660 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	7840	29-12	1020	Fri	424/00	USB	(AB)
S11a	5815	29-12	1955	Fri	370/00	USB	(AB/MPJ)
S11a	10728	30-12	1540	Sat	566/00	USB	(MPJ)
S11a	5082	31-12	2050	Sun	487/35 Vnimanaye 14522 23786 23229 ... 17621	USB	(BW3)

39021 70893 Vnimanaye, rpt msg, konets							
<b>S28</b>	4625	8-12	2205	Fri	Buzzer channel marker	USB	(AB)
<b>S28</b>	4625	11-12	0831	Mon	Buzzer channel marker	USB	(chpa)
<b>S28</b>	4625	16-12	0635	Sat	Buzzer channel marker	USB	(BvR)
<b>S28</b>	4625	30-12	1743	Sat	Buzzer channel marker	USB	(AB)
<b>S30</b>	3756	8-12	2204	Fri	Pip channel marker	USB	(AB)
<b>S30</b>	5448	23-12	0759	Sat	Pip channel marker	USB	(AB)
<b>S30</b>	3756	30-12	1742	Sat	Pip channel marker	USB	(AB)
<b>S32</b>	3828	8-12	2203	Fri	Squeaky Wheel channel marker	USB	(AB)
<b>S32</b>	5474	23-12	0817	Sat	Squeaky Wheel channel marker	USB	(AB)
<b>S32</b>	3828	30-12	1742	Sat	Squeaky Wheel channel marker	USB	(AB)
<b>S4020</b>	4020	8-12	2202	Fri	Air Horn channel marker	USB	(AB)
<b>S4020</b>	4020	30-12	1741	Sat	Air Horn channel marker	USB	(AB)
<b>S4524</b>	4524	8-12	2202	Fri	Dash channel marker	USB	(AB)
<b>S4524</b>	4524	17-12	0706	Sun	Dash channel marker	USB	(AB)
<b>S4524</b>	4524	23-12	0817	Sat	Dash channel marker	USB	(AB)
<b>S4524</b>	4524	24-12	0707	Sun	Dash channel marker	USB	(AB)
<b>S4524</b>	4524	30-12	1740	Sat	Dash channel marker	USB	(AB)
<b>S6360</b>	3012	8-12	2205	Fri	Goose channel marker	USB	(AB)
<b>S6360</b>	6360	11-12	0830	Mon	Goose channel marker	USB	(chpa)
<b>S6360</b>	3012	30-12	1744	Sat	Goose channel marker	USB	(AB)
<b>UM03</b>	7920	5-12	0924	Tue	i.p. AR 19 19 CK 100 CK 100 TIME 1623 TIME 1623 DATE 0512 DATE 0512 = 73A4T 3A4TN A7354 6A4UD 3NT7A 6D735 4TD7U ... //8250, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	5-12	0924	Tue	i.p. AR 19 19 CK 100 CK 100 TIME 1623 TIME 1623 DATE 0512 DATE 0512 = 73A4T 3A4TN A7354 6A4UD 3NT7A 6D735 4TD7U ... //7920, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	5-12	0924	Tue	i.p. AR 19 19 CK 100 CK 100 TIME 1623 TIME 1623 DATE 0512 DATE 0512 = 73A4T 3A4TN A7354 6A4UD 3NT7A 6D735 4TD7U ... //7920, 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	10212	6-12	0036	Wed	i.p. 5UN5U 455TU 43TA7 4U47... 22W FM 4UTD5 4UTD5 ... II 35W FM 4UDD4 35W FM 4UDD4 77U.6 DTT7T ...	CW	(JPL-CHN)
<b>UM03</b>	7920	6-12	0048	Wed	i.p. AR 15 15 CK 100 CK 100 TIME 0747 TIME 0747 DATE 0612 DATE 0612 = RGIXA JYAPH TVKMB KNCET CRGVX GVVNP NQFHK ... //8250, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	6-12	0048	Wed	i.p. AR 15 15 CK 100 CK 100 TIME 0747 TIME 0747 DATE 0612 DATE 0612 = RGIXA JYAPH TVKMB KNCET CRGVX GVVNP NQFHK ... //7920, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	6-12	0048	Wed	i.p. AR 15 15 CK 100 CK 100 TIME 0747 TIME 0747 DATE 0612 DATE 0612 = RGIXA JYAPH TVKMB KNCET CRGVX GVVNP NQFHK ... //7920, 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	7920	6-12	0730	Wed	i.p. AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ZOQNI ... //8250, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8250	6-12	0730	Wed	i.p. AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ZOQNI ... //7920, 8410 kHz	CW	(JPL-CHN)
<b>UM03</b>	8410	6-12	0730	Wed	i.p. AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ZOQNI ... //7920, 8250 kHz	CW	(JPL-CHN)
<b>UM03</b>	6240	6-12	0757	Wed	i.p. NR .9 59 30 30 0612 0612 .327 1327 = DB3N. BDA3 W7674 HBT5D 656AA ...	CW	(JPL-CHN)
<b>UM03</b>	3845	12-12	1730	Tue	i.p. 555 K. IIII QSK IS QBK O NR 03855 03855 40	CW	(JPL-CHN)

					40 1312 1312 1012 1012 ? K		
UM03	7920	15-12	0730	Fri	AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1512 DATE 1512 = BQSKZ UWLOD MODFV PSJYB ... //8250, 8410 kHz	CW	(JPL-CHN)
UM03	8250	15-12	0730	Fri	AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1512 DATE 1512 = BQSKZ UWLOD MODFV PSJYB ... //7920, 8410 kHz	CW	(JPL-CHN)
UM03	8410	15-12	0730	Fri	AR 11 11 CK 100 CK 100 TIME 1429 TIME 1429 DATE 1512 DATE 1512 = BQSKZ UWLOD MODFV PSJYB ... //7920, 8250 kHz	CW	(JPL-CHN)
UM03	7920	23-12	0740	Sat	CK 100 TIME 1439 TIME 1439 DATE 2312 DATE 2312 = VKMBE TWLNC (Cont'd) AR //8250, 8410 kHz	CW	(JPL-CHN)
UM03	8250	23-12	0740	Sat	CK 100 TIME 1439 TIME 1439 DATE 2312 DATE 2312 = VKMBE TWLNC (Cont'd) AR //7920, 8410 kHz	CW	(JPL-CHN)
UM03	8410	23-12	0740	Sat	CK 100 TIME 1439 TIME 1439 DATE 2312 DATE 2312 = VKMBE TWLNC (Cont'd) AR //7920, 8250 kHz	CW	(JPL-CHN)
UM10	5782	15-12	0723	Fri	10-mins net: PROD //6792 kHz	CW	(JPL-KOR)
UM10	6792	15-12	0723	Fri	10-mins net: PROD //5782 kHz	CW	(JPL-KOR)
UM10	5782	16-12	0655	Sat	10-mins net: PROD //6792 kHz	CW	(MPJ-KOR)
UM10	6792	16-12	0655	Sat	10-mins net: PROD //5782 kHz	CW	(MPJ-KOR)
UM10	5468	16-12	0700	Sat	10-mins net: JZUN //6775 kHz. New callsign and frequencies	CW	(MPJ-KOR)
UM10	6775	16-12	0700	Sat	10-mins net: JZUN //5468 kHz. New callsign and frequencies	CW	(MPJ-KOR)
V07	14637	10-12	0120	Sun	164 164 164 000	USB	(Dan)
V07	16137	17-12	0100	Sun	164 164 164 1 476 77 476 77 67242 18204 16189 ... 97049 95402 70884 000 000	USB	(Dan/HFD)
V07	14637	17-12	0120	Sun	164 164 164 1 476 77 476 77 67242 18204 16189 ... 97049 95402 70884 000 000	USB	(Dan/HFD)
V07	13437	17-12	0140	Sun	164 164 164 1 476 77 476 77 67242 18204 16189 ... 97049 95402 70884 000 000	USB	(Dan/HFD)
V07	14637	24-12	0100	Sun	164 164 164 000	USB	(Dan)
V07	16137	24-12	0100	Sun	164 164 164 000	USB	(Dan)
V07	16137	24-12	0100	Sun	164 164 164 000	USB	(BW3/Dan)
V07	14637	24-12	0120	Sun	164 164 164 000	USB	(BW3/Dan)
V07	14637	31-12	0100	Sun	164 164 164 000	USB	(Dan)
V07	16137	31-12	0100	Sun	164 164 164 000	USB	(Dan)
V13	15388	1-12	0500	Fri	New Star Broadcasting	USB	(AB-PHL)
V13	15388	1-12	0700	Fri	New Star Broadcasting	USB	(AB-HK)
V13	18040	3-12	0700	Sun	New Star Broadcasting	AM	(AB- HK/Phi- CHN)
V13	18040	3-12	0800	Sun	New Star Broadcasting	AM	(AB-CHN)
V15	657	14-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //3250, 3320, 6400 kHz	AM	(AB-J)
V15	3250	14-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3320, 6400 kHz	AM	(AB-J)
V15	3320	14-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3250, 6400 kHz	AM	(AB-J)
V15	6400	14-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3250, 3320 kHz	AM	(AB-J)
V15	657	23-12	1515	Sat	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean	AM	(AB-J)

					//3250, 3320, 6400 kHz		
V15	3250	23-12	1515	Sat	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3320, 6400 kHz	AM	(AB-J)
V15	3320	23-12	1515	Sat	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3250, 6400 kHz	AM	(AB-J)
V15	6400	23-12	1515	Sat	North Korean intelligence via Radio Pyongyang. Classical music followed by messages in Korean //657, 3250, 3320 kHz	AM	(AB-J)
V15	657	28-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Messages in Korean //3250, 3320, 6400 kHz	AM	(AB-J)
V15	3250	28-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Messages in Korean //657, 3320, 6400 kHz	AM	(AB-J)
V15	3320	28-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Messages in Korean //657, 3250, 6400 kHz	AM	(AB-J)
V15	6400	28-12	1615	Thu	North Korean intelligence via Radio Pyongyang. Messages in Korean //657, 3250, 3320 kHz	AM	(AB-J)
V24	6310	1-12	1530	Fri	Music followed by a message in Korean. Male operator	AM	(AB-J)
V24	6310	8-12	1530	Fri	Music followed by a message in Korean. Male operator	AM	(AB-J)
V24	4925	11-12	1430	Mon	Music followed by a message in Korean. Female announcer	AM	(AB-J)
V24	4925	13-12	1430	Wed	Piano music followed by a message in Korean.	AM	(AB-J)
V24	4900	23-12	1530	Sat	Korean song followed by a message in Korean	AM	(Phi)
V26	4364	6-12	0016	Wed	Messages in Korean. Female operator //9054	USB	(JPL)
V26	9054	6-12	0016	Wed	Messages in Korean. Female operator //4364	USB	(JPL)
V26	4364	6-12	0027	Wed	Messages in Korean. Male operator //8073	USB	(JPL)
V26	8973	6-12	0027	Wed	Messages in Korean. Male operator //4364	USB	(JPL)
V26	4364	7-12	1130	Thu	Callup in Chinese //8073	USB	(JPL)
V26	8073	7-12	1130	Thu	Callup in Chinese //4364	USB	(JPL)
V26	4243	17-12	0620	Sun	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	9054	17-12	0620	Sun	Messages in Chinese. Female operator //4243	USB	(JPL)
V26	4243	19-12	0848	Tue	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	9054	19-12	0848	Tue	Messages in Chinese. Female operator //4243	USB	(JPL)
V26	4243	31-12	1216	Sun	Messages in Chinese. Female operator	USB	(JPL)
V28	3049	1-12	1328	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2931	1-12	1329	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	1-12	1329	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3001	1-12	1331	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4490	3-12	2230	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4631	3-12	2230	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4934	3-12	2233	Sun	Parrot. Messages in Korean	AM	(HK)
V28	3002	4-12	1336	Mon	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3050	4-12	1336	Mon	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	4-12	1336	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4630	4-12	2228	Mon	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4490	4-12	2229	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4980	4-12	2233	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5165	4-12	2233	Mon	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2930	12-12	1334	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3000	12-12	1334	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3052	12-12	1334	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3504	12-12	1334	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4478	12-12	2230	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4624	12-12	2230	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4983	12-12	2230	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4993	12-12	2234	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2931	17-12	1333	Sun	Parrot. No modulation	AM	(HK)



V28	3001	17-12	1333	Sun	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3050	17-12	1333	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	17-12	1333	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	20-12	2232	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4632	20-12	2232	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4990	20-12	2232	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5167	20-12	2232	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4623	23-12	2235	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4980	23-12	2235	Sat	Parrot. Messages in Korean	AM	(HK)
V28	5162	23-12	2235	Sat	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2929	24-12	1330	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3053	24-12	1330	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	24-12	1330	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
VC01	5857	1-12	0520	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3623	1-12	1204	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4790	1-12	1204	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5857	3-12	0603	Sun	Chinese Robot i.p.	USB	(AB-HK)
VC01	5861.5	3-12	0603	Sun	Chinese Robot i.p.	LSB	(AB-HK)
VC01	5857	4-12	0516	Mon	Chinese Robot i.p.	USB	(AB-HK)
VC01	5861.5	4-12	0524	Mon	Chinese Robot	LSB	(AB-HK)
VC01	5294	8-12	0457	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5862	8-12	0457	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5294	10-12	0605	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5862	10-12	0605	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5862	13-12	0517	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5924	13-12	0517	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4790	13-12	1305	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5112	13-12	1305	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5862	14-12	0701	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5924	14-12	0701	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5294	15-12	0516	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5862	15-12	0516	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	4790	15-12	1206	Fri	Chinese Robot i.p.	LSB	(AB-KOR)
VC01	5112	15-12	1206	Fri	Chinese Robot i.p.	LSB	(AB-KOR)
VC01	5862	20-12	0518	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	5924	20-12	0518	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5862	26-12	0517	Tue	Chinese Robot i.p.	LSB	(AB)
X06	14947	3-12	0800	Sun	Mazielka. Sequence: 351264. Ended at 0806 UTC	MFSK-6	(Danix)
X06	12152	4-12	0835	Mon	Mazielka. Sequence: 432516	MFSK-6	(Danix)
X06	14935	6-12	0816	Wed	Mazielka. Sequence: 435621	MFSK-6	(Danix)
X06	14501	6-12	0818	Wed	Mazielka i.p. Sequence: 214356 Ended at 0830 UTC	MFSK-6	(AB/Danix)
X06	13530	10-12	1133	Sun	Mazielka. Sequence: 261453	MFSK-6	(Danix)
X06	16115	20-12	1109	Wed	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06	14650	20-12	1116	Wed	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06	12177	25-12	1240	Mon	Mazielka. Sequence: 364152	MFSK-6	(Danix)
X06	17470	26-12	1020	Tue	Mazielka. Sequence: 216354	MFSK-6	(AB)
X06	16116	27-12	1124	Wed	Mazielka. Sequence: 134265 with TX problems	MFSK-6	(Danix)
X06	16115	28-12	1000	Thu	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06	17470	28-12	1000	Thu	Mazielka. Sequence: 216354	MFSK-6	(Danix)
X06	14650	28-12	1010	Thu	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06	14970	28-12	1014	Thu	Mazielka. Sequence: 216354	MFSK-6	(Danix)
X06	17470	28-12	1021	Thu	Mazielka. Sequence: 216354 (not in sync with 14970)	MFSK-6	(Danix)
X06	14655	28-12	1024	Thu	Mazielka. Sequence: 164253	MFSK-6	(Danix)
X06b	11340	1-12	0816	Fri	Mazielka i.p. Sequence: 111666	MFSK-6	(ES)
X06b	12320	4-12	1144	Mon	Mazielka. Sequence: 661616	MFSK-6	(PBS)
X06b	14850	6-12	1104	Wed	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06b	14650	6-12	1115	Wed	Mazielka. Sequence: 215346	MFSK-6	(Danix)
X06b	12300	6-12	1119	Wed	Mazielka. Sequence: 111666	MFSK-6	(PBS)

<b>X06b</b>	10500	6-12	1213	Wed	Mazielka i.p. Sequence: 111666. Ended 1233 UTC	MFSK-6	(AB)
<b>X06b</b>	12300	6-12	1233	Wed	Mazielka i.p. Sequence: 111666. Ended at 1242 UTC. Back at 1250 and off at 1258 UTC	MFSK-6	(AB)
<b>X06b</b>	11310	7-12	0703	Thu	Mazielka. Sequence: 111666	MFSK-6	(ES)
<b>X06b</b>	12320	8-12	1056	Fri	Mazielka. Sequence: 111666	MFSK-6	(ES)
<b>X06b</b>	12320	8-12	1211	Fri	Mazielka. Sequence: 111666	MFSK-6	(ES)
<b>X06b</b>	11230	12-12	1028	Tue	Mazielka i.p. Sequence: 111666. Ended at 1150 UTC	MFSK-6	(AAI)
<b>X06b</b>	8260	27-12	0711	Wed	Mazielka. Sequence: 666666	MFSK-6	(ES)
<b>X06b</b>	17540	27-12	1145	Wed	Mazielka. Sequence: 666666	MFSK-6	(ES)
<b>X06b</b>	9811	28-12	0635	Thu	Mazielka. Sequence: 611166	MFSK-6	(ES)
<b>X06b</b>	9811	28-12	0817	Thu	Mazielka. Sequence: 161616	MFSK-6	(AB)
<b>X06b</b>	9811	28-12	0833	Thu	Mazielka. Sequence: 116661	MFSK-6	(AB)
<b>X06b</b>	9811	28-12	0833	Thu	Mazielka. Sequence: 563456	MFSK-6	(AB)
<b>XPA</b>	7756	4-12	0700	Mon	706 706 706 000 01025 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	4-12	0720	Mon	706 706 706 000 01025 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	4-12	0740	Mon	706 706 706 000 01025 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	6-12	0700	Wed	706 706 706 000 06108 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	6-12	0720	Wed	706 706 706 000 06108 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	6-12	0740	Wed	706 706 706 000 06108 00001 00000 10140	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	11-12	0700	Mon	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	11-12	0720	Mon	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	11-12	0740	Mon	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	13-12	0700	Wed	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	13-12	0720	Wed	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	13-12	0740	Wed	706 706 706 1 02182 00113 23466 ... 02339 13198 35327	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	18-12	0700	Mon	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	18-12	0720	Mon	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	18-12	0740	Mon	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	20-12	0700	Wed	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	20-12	0720	Wed	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	20-12	0740	Wed	706 706 706 1 00114 00157 80061 ... 55059 22789 22212	MFSK-20/10Bd	(AB)
<b>XPA</b>	7756	25-12	0700	Mon	706 706 706 000 02538 00001 00000 37655	MFSK-20/10Bd	(AB)
<b>XPA</b>	9056	25-12	0720	Mon	706 706 706 000 02538 00001 00000 37655	MFSK-20/10Bd	(AB)
<b>XPA</b>	10656	25-12	0740	Mon	706 706 706 000 02538 00001 00000 37655	MFSK-20/10Bd	(AB)
<b>XPA</b>	13501	26-12	1235	Tue	687 687 687 000 03647 00001 00000 37657 Un-scheduled transmission	MFSK-20/10Bd	(qsr711)
<b>XPA</b>	11529	26-12	1240	Tue	687 687 687 000 03647 00001 00000 37657 Un-scheduled transmission	MFSK-20/10Bd	(qsr711)
<b>XPA</b>	9325	26-12	1245	Tue	687 687 687 000 03647 00001 00000 37657 Un-scheduled transmission	MFSK-20/10Bd	(qsr711)
<b>XPA</b>	7756	27-12	0700	Wed	706 706 706 000 06451 00001 00000 33663	MFSK-20/10Bd	(AB/HFD)
<b>XPA</b>	9056	27-12	0720	Wed	706 706 706 000 06451 00001 00000 33663	MFSK-20/10Bd	(AB/HFD)
<b>XPA</b>	10656	27-12	0740	Wed	706 706 706 000 06451 00001 00000 33663	MFSK-20/10Bd	(AB/HFD)
<b>XPA2</b>	13393	1-12	0700	Fri	02086 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14493	1-12	0720	Fri	02086 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16293	1-12	0740	Fri	02086 00001 00000 10140	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15967	1-12	1400	Fri	05415 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ)

XPA2	13884	1-12	1420	Fri	05415 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	1-12	1440	Fri	05415 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	2-12	1400	Sat	08168 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/H FD)
XPA2	13884	2-12	1420	Sat	08168 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/H FD)
XPA2	12217	2-12	1440	Sat	08168 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/H FD)
XPA2	14538	3-12	1300	Sun	04770 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	13538	3-12	1320	Sun	04770 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	12138	3-12	1340	Sun	04770 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	10278	4-12	0800	Mon	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	12178	4-12	0820	Mon	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	13478	4-12	0840	Mon	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	14538	5-12	1300	Tue	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	13528	5-12	1320	Tue	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	12138	5-12	1340	Tue	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	10278	6-12	0800	Wed	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	12178	6-12	0820	Wed	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	13478	6-12	0840	Wed	03490 00167 01685 ... 59325 92517 30716	MFSK-16/20bd	(AB)
XPA2	13393	8-12	0700	Fri	08807 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14493	8-12	0720	Fri	08807 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16293	8-12	0740	Fri	08807 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15967	8-12	1400	Fri	04638 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	8-12	1420	Fri	04638 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	8-12	1440	Fri	04638 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	9-12	1400	Sat	07688 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	9-12	1420	Sat	07688 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	9-12	1440	Sat	07688 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	10-12	1300	Sun	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	13528	10-12	1320	Sun	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	12138	10-12	1340	Sun	04049 00067 12225 ... 45649 11720 67602	MFSK-16/20bd	(AB)
XPA2	10278	11-12	0800	Mon	04885 00001 00000 37664 last group error	MFSK-16/20bd	(AB/WV)
XPA2	12178	11-12	0820	Mon	04885 00001 00000 37664 last group error	MFSK-16/20bd	(AB/WV)
XPA2	13478	11-12	0840	Mon	04885 00001 00000 37664 last group error	MFSK-16/20bd	(AB/WV)
XPA2	13393	12-12	0700	Tue	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB/HFD)
XPA2	14493	12-12	0720	Tue	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB/HFD)
XPA2	16293	12-12	0740	Tue	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB/HFD)
XPA2	14538	12-12	1300	Tue	01430 00001 00000 00140	MFSK-16/20bd	(AB/WV)
XPA2	13528	12-12	1320	Tue	01430 00001 00000 00140	MFSK-16/20bd	(AB/WV)
XPA2	12138	12-12	1340	Tue	01430 00001 00000 00140	MFSK-16/20bd	(AB/WV)
XPA2	10278	13-12	0800	Wed	02797 00001 00000 40263	MFSK-16/20bd	(AB/WV)
XPA2	12178	13-12	0820	Wed	02797 00001 00000 40263	MFSK-16/20bd	(AB/WV)
XPA2	13478	13-12	0840	Wed	02797 00001 00000 40263	MFSK-16/20bd	(AB/WV)
XPA2	13393	15-12	0700	Fri	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB)
XPA2	14493	15-12	0720	Fri	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB)
XPA2	16293	15-12	0740	Fri	03827 00085 42877 ... 79390 22779 76545	MFSK-16/20Bd	(AB)
XPA2	15967	15-12	1400	Fri	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	15-12	1420	Fri	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB)
XPA2	12217	15-12	1440	Fri	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB)
XPA2	15967	16-12	1400	Sat	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	16-12	1420	Sat	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	16-12	1440	Sat	08994 00113 58202 ... 61004 91376 12013	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	17-12	1300	Sun	02396 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	13528	17-12	1320	Sun	02396 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	12138	17-12	1340	Sun	02396 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	10278	18-12	0800	Mon	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	12178	18-12	0820	Mon	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	13478	18-12	0840	Mon	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	13393	19-12	0700	Tue	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)



XPA2	14493	19-12	0720	Tue	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)
XPA2	16293	19-12	0740	Tue	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)
XPA2	14538	19-12	1300	Tue	08707 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	13528	19-12	1320	Tue	08707 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	12138	19-12	1340	Tue	08707 00001 00000 10140	MFSK-16/20bd	(AB/MPJ)
XPA2	10278	20-12	0800	Wed	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	12178	20-12	0820	Wed	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	13478	20-12	0840	Wed	09366 00183 74923 ... 34531 47924 06027	MFSK-16/20bd	(AB)
XPA2	13393	22-12	0700	Fri	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)
XPA2	14493	22-12	0720	Fri	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)
XPA2	16293	22-12	0740	Fri	03935 00123 67426 ... 14309 35096 76404	MFSK-16/20Bd	(AB)
XPA2	15967	22-12	1400	Fri	07013 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	22-12	1420	Fri	07013 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12217	22-12	1440	Fri	07013 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15967	23-12	1400	Sat	06645 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	23-12	1420	Sat	06645 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	23-12	1440	Sat	06645 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	24-12	1300	Sun	02303 00001 00000 10140	MFSK-16/20bd	(AB)
XPA2	13528	24-12	1320	Sun	02303 00001 00000 10140	MFSK-16/20bd	(AB)
XPA2	12138	24-12	1340	Sun	02303 00001 00000 10140	MFSK-16/20bd	(AB)
XPA2	10278	25-12	0800	Mon	05567 00001 00000 37263	MFSK-16/20bd	(AB)
XPA2	12178	25-12	0820	Mon	05567 00001 00000 37263	MFSK-16/20bd	(AB)
XPA2	13478	25-12	0840	Mon	05567 00001 00000 37263	MFSK-16/20bd	(AB)
XPA2	13393	26-12	0700	Tue	08347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14493	26-12	0720	Tue	08347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16293	26-12	0740	Tue	08347 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	9325	26-12	1250	Tue	03286 00001 00000 35263 Unscheduled trans- mission	MFSK-16/20Bd	(qsr711)
XPA2	11529	26-12	1250	Tue	03286 00001 00000 35263 Unscheduled trans- mission	MFSK-16/20Bd	(qsr711)
XPA2	13501	26-12	1250	Tue	03286 00001 00000 35263 Unscheduled trans- mission	MFSK-16/20Bd	(qsr711)
XPA2	14538	26-12	1300	Tue	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB)
XPA2	13528	26-12	1320	Tue	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB)
XPA2	12138	26-12	1340	Tue	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB)
XPA2	10278	27-12	0800	Wed	09515 00001 00000 36262	MFSK-16/20bd	(AB)
XPA2	12178	27-12	0820	Wed	09515 00001 00000 36262	MFSK-16/20bd	(AB)
XPA2	13478	27-12	0840	Wed	09515 00001 00000 36262	MFSK-16/20bd	(AB)
XPA2	13393	29-12	0700	Fri	07821 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14493	29-12	0720	Fri	07821 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16293	29-12	0740	Fri	07821 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	15967	29-12	1400	Fri	04363 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13884	29-12	1420	Fri	04363 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	12217	29-12	1440	Fri	04363 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	15967	30-12	1400	Sat	07668 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13884	30-12	1420	Sat	07668 00001 00000 10140	MFSK-16/20Bd	(AB/GHn)
XPA2	12217	30-12	1440	Sat	07668 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14538	31-12	1300	Sun	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB/MPJ)
XPA2	13528	31-12	1320	Sun	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB/GHn/B vR/MPJ)
XPA2	12138	31-12	1340	Sun	02403 00083 64140 ... 26967 86634 27740	MFSK-16/20bd	(AB/MPJ)
XSL	4153	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	30-12	1747	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

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233	Utility Round-up	Russian stations (voice stations)
233	Utility Round-up	Unid stations
233	Voice stations	E06 transcripts
233	Voice stations	E07 transcripts
233	Voice stations	E07a transcripts
233	Voice stations	E11a transcripts
233	Voice stations	E17z transcripts
233	Voice stations	E25 transcripts
233	Voice stations	EV02 log
233	Voice stations	G06 transcripts
233	Voice stations	S06 transcripts
233	Voice stations	S11a transcripts
233	Voice stations	S28 transcripts
233	Voice stations	S30 transcripts
233	Voice stations	S32 transcripts
233	Voice stations	S4020 transcripts
233	Voice stations	S4467 transcripts
233	Voice stations	S5292 transcripts
233	Voice stations	S6930 transcript
233	Voice stations	V15 on FM
233	Voice stations	V24 schedules
233	Voice stations	V28 log
234	Contributors	Contributors
234	Digital Modes	EGY Egyptian diplo logs and transcripts
234	Digital Modes	F01 transcripts
234	Digital Modes	F06 transcripts
234	Digital Modes	F11 transcripts

234	Digital Modes	HM01 oddities
234	Digital Modes	HM02 transcripts
234	Digital Modes	M42 logs
234	Digital Modes	M42b transcripts
234	Digital Modes	Q26 transcripts
234	Digital Modes	X06 transcripts
234	Digital Modes	XPA transcripts
234	Digital Modes	XPA2 transcripts
234	Digital Modes	XSL logs
234	General	UDXF's birthday
234	Logs	Logs Section
234	Morse stations	M01 transcripts
234	Morse stations	M01a transcripts
234	Morse stations	M12 transcripts
234	Morse stations	M14 transcripts
234	Morse stations	M21 transcripts
234	Morse stations	M23 transcript
234	Morse stations	M41 transcript
234	Morse stations	M89 transcripts
234	Morse stations	M95 transcripts
234	Morse stations	MC03 transcripts
234	Morse stations	MX Beacon S
234	Morse stations	UM03 transcripts
234	Morse stations	UM10 transcripts
234	Picture	Maps of locations of Russian navy vessels
234	Picture	S06s spectrogram
234	Picture	XSL transmitter site
234	Utility Round-up	A large amount of unid stations, mainly from
234	Utility Round-up	Foxtrot messages and EAMs
234	Utility Round-up	Japanese Self Defense Forces
234	Utility Round-up	Pirate station
234	Utility Round-up	Russian stations (morse stations)
234	Utility Round-up	Russian stations (voice stations)
234	Voice stations	E06 transcripts
234	Voice stations	E07 transcripts
234	Voice stations	E07a transcripts
234	Voice stations	E11a transcripts
234	Voice stations	E17z transcripts
234	Voice stations	E25 transcripts
234	Voice stations	G06 transcripts
234	Voice stations	S06 transcripts
234	Voice stations	S06c transcripts
234	Voice stations	S06s oddities
234	Voice stations	S07 transcript
234	Voice stations	S11a transcripts
234	Voice stations	S28 transcripts
234	Voice stations	S30 transcripts
234	Voice stations	S32 transcripts
234	Voice stations	S4020 transcripts
234	Voice stations	S4110 transcripts
234	Voice stations	S6930 transcript
234	Voice stations	V07 transcript
234	Voice stations	V24 transcript
234	Voice stations	VC01 logs
235	Contributors	Contributors

235	Digital Modes	EGY Egyptian diplo logs and transcripts
235	Digital Modes	F01 transcripts
235	Digital Modes	F06 transcripts
235	Digital Modes	F11 transcripts
235	Digital Modes	HM01 oddities
235	Digital Modes	HM02 transcripts
235	Digital Modes	M42 logs
235	Digital Modes	M42b transcripts
235	Digital Modes	Q26 transcripts
235	Digital Modes	X06 transcripts
235	Digital Modes	XPA transcripts
235	Digital Modes	XPA2 transcripts
235	Logs	Logs Section
235	Morse stations	Chinese coastal stations
235	Morse stations	M01b transcripts
235	Morse stations	M12 transcripts
235	Morse stations	M14 transcripts
235	Morse stations	M21 transcripts
235	Morse stations	M41 transcript
235	Morse stations	M89 transcripts
235	Morse stations	M95 transcripts
235	Morse stations	MX
235	Morse stations	UM03 transcripts
235	Morse stations	UM10 transcripts
235	Picture	M42 MFSK-80/250bd spectogram
235	Picture	MX spectograms
235	Picture	Q26 spectograms
235	Picture	S6360 spectogram
235	Utility Round-up	Fishnet beacon log
235	Utility Round-up	Foxtrot messages and EAMs
235	Utility Round-up	Japanese Self Defense Force
235	Utility Round-up	Pirate stations
235	Utility Round-up	Russian stations (morse stations)
235	Utility Round-up	Russian stations (voice stations)
235	Utility Round-up	Unid North Korean net
235	Utility Round-up	Unid stations
235	Voice stations	E06 transcripts
235	Voice stations	E07 transcripts
235	Voice stations	E07a transcripts
235	Voice stations	E11a transcripts
235	Voice stations	E17z transcripts
235	Voice stations	E25 transcripts
235	Voice stations	G06 transcripts
235	Voice stations	S06 transcripts
235	Voice stations	S06c transcripts
235	Voice stations	S11a transcripts
235	Voice stations	S28 transcripts
235	Voice stations	S30 transcripts
235	Voice stations	S32 transcripts
235	Voice stations	S4020 transcripts
235	Voice stations	S4110 transcripts
235	Voice stations	S4524 transcripts
235	Voice stations	S6360 transcripts
235	Voice stations	S6930 transcript
235	Voice stations	V15

235	Voice stations	V28
235	Voice stations	VC01 logs
236	Contributors	Contributors
236	Digital Modes	F01 transcripts
236	Digital Modes	F06 transcripts
236	Digital Modes	F11 transcripts
236	Digital Modes	HM01 oddities
236	Digital Modes	HM02 transcripts
236	Digital Modes	M42 logs
236	Digital Modes	M42b transcripts
236	Digital Modes	Q26 transcript
236	Digital Modes	X06 transcripts
236	Digital Modes	XPA transcripts
236	Digital Modes	XPA2 transcripts
236	Diplomatic stations	Egyptian diplo
236	Diplomatic stations	North Korean diplo
236	General	N&O's birthday
236	General	Rivet decoder
236	Logs	Logs Section
236	Morse stations	M01 transcripts
236	Morse stations	M01b transcripts
236	Morse stations	M12 transcripts
236	Morse stations	M14 transcripts
236	Morse stations	M21 transcripts
236	Morse stations	M41 transcript
236	Morse stations	M89 transcripts
236	Morse stations	M95 transcripts
236	Morse stations	UM03 transcripts
236	Morse stations	UM10 transcripts
236	Picture	X06 spectrogram
236	Utility Round-up	Foxtrot messages and EAMs
236	Utility Round-up	Russian stations (morse stations)
236	Utility Round-up	Russian stations (voice stations)
236	Utility Round-up	Unid station
236	Voice stations	E06 transcripts
236	Voice stations	E06b transcript
236	Voice stations	E07 transcripts
236	Voice stations	E07a transcripts
236	Voice stations	E11a transcripts
236	Voice stations	E17z transcripts
236	Voice stations	E25 transcripts
236	Voice stations	G06 transcripts
236	Voice stations	S06 transcripts
236	Voice stations	S06c transcripts
236	Voice stations	S11a transcripts
236	Voice stations	S28 transcripts
236	Voice stations	S30 transcripts
236	Voice stations	S32 transcripts
236	Voice stations	S4524 log
236	Voice stations	S5292 transcripts
236	Voice stations	S6360 logs
236	Voice stations	V07 transcript
236	Voice stations	V28 logs
237	app	Appendix: Unid Russian military net
237	Contributors	Contributors



237	Digital Modes	F01 transcripts
237	Digital Modes	F06 transcripts
237	Digital Modes	F11 transcripts
237	Digital Modes	HM01 oddities
237	Digital Modes	HM02 transcripts
237	Digital Modes	M42 logs
237	Digital Modes	Q26 transcripts
237	Digital Modes	X06 transcripts
237	Digital Modes	XPA transcripts
237	Digital Modes	XPA2 transcripts
237	Digital Modes	XSL logs
237	Diplomatic stations	Egyptian diplo
237	Diplomatic stations	North Korean diplo
237	Diplomatic stations	Sudanese diplo
237	Logs	Logs Section
237	Morse stations	M01 transcripts
237	Morse stations	M01a transcripts
237	Morse stations	M01b transcripts
237	Morse stations	M12 transcripts
237	Morse stations	M14 transcripts
237	Morse stations	M41 transcript
237	Morse stations	M89 transcripts
237	Morse stations	M95 transcripts
237	Morse stations	UM03 transcripts
237	Morse stations	UM10 transcripts
237	Utility Round-up	Foxtrot messages and EAMs
237	Utility Round-up	Russian stations (morse stations)
237	Utility Round-up	Russian stations (voice stations)
237	Voice stations	E06 transcripts
237	Voice stations	E07 transcripts
237	Voice stations	E07a transcripts
237	Voice stations	E11a transcripts
237	Voice stations	E17z transcripts
237	Voice stations	E25 transcripts
237	Voice stations	G06 transcripts
237	Voice stations	S06 transcripts
237	Voice stations	S06c transcripts
237	Voice stations	S11a transcripts
237	Voice stations	S25 transcripts
237	Voice stations	S28 transcripts
237	Voice stations	S30 transcripts
237	Voice stations	S32 transcripts
237	Voice stations	S5292 log
237	Voice stations	V07 transcript
237	Voice stations	V13 logs
237	Voice stations	V24 logs
237	Voice stations	VC01 logs
238	app	Appendix: Search for X06
238	Contributors	Contributors
238	Digital Modes	F01 transcripts
238	Digital Modes	F06 transcripts
238	Digital Modes	F06a transcript
238	Digital Modes	F11 transcripts
238	Digital Modes	HM01 oddities
238	Digital Modes	HM02 transcripts

238	Digital Modes	M42 transcripts
238	Digital Modes	M42b transcripts
238	Digital Modes	Q26 transcripts
238	Digital Modes	X06 transcripts
238	Digital Modes	XPA transcripts
238	Digital Modes	XPA2 transcripts
238	Digital Modes	XSL logs
238	Diplomatic stations	Egyptian diplo
238	Diplomatic stations	North Korean diplo
238	Logs	Logs Section
238	Morse stations	M01 transcripts
238	Morse stations	M01a transcripts
238	Morse stations	M01b transcripts
238	Morse stations	M12 transcripts
238	Morse stations	M14 transcripts
238	Morse stations	M23 transcript
238	Morse stations	M89 transcripts
238	Morse stations	M95 transcripts
238	Morse stations	UM03 transcripts
238	Morse stations	UM10 transcripts
238	Picture	F01 spectrogram
238	Picture	F06 spectrogram
238	Picture	HM01 spectrogram
238	Picture	North Korean diplo spectrogram
238	Picture	Q26 spectrogram
238	Picture	XPA2 spectrogram
238	Picture	XSL spectrogram
238	Utility Round-up	Foxtrot messages and EAMs
238	Utility Round-up	Jammers
238	Utility Round-up	Russian stations (morse stations)
238	Utility Round-up	Russian stations (voice stations)
238	Utility Round-up	Unid station
238	Voice stations	E06 transcripts
238	Voice stations	E06b transcript
238	Voice stations	E07 transcripts
238	Voice stations	E07a transcripts
238	Voice stations	E11a transcripts
238	Voice stations	E17z transcripts
238	Voice stations	E25 transcripts
238	Voice stations	G06 transcripts
238	Voice stations	S06 transcripts
238	Voice stations	S11a transcripts
238	Voice stations	S25 transcripts
238	Voice stations	V07 transcript
238	Voice stations	V24 schedules
238	Voice stations	VC01 logs
239	Contributors	Contributors
239	Digital Modes	F01 transcripts
239	Digital Modes	F03 logs
239	Digital Modes	F06 transcripts
239	Digital Modes	F11 transcripts
239	Digital Modes	HM01 oddities
239	Digital Modes	HM02 transcripts
239	Digital Modes	X06 transcripts
239	Digital Modes	XPA transcripts



239	Digital Modes	XPA2 transcripts
239	Diplomatic stations	Egyptian diplo
239	Diplomatic stations	North Korean diplo
239	General	New designator
239	Logs	Logs Section
239	Morse stations	M01 transcripts
239	Morse stations	M01a transcripts
239	Morse stations	M01b transcripts
239	Morse stations	M08a oddity
239	Morse stations	M12 transcripts
239	Morse stations	M14 transcripts
239	Morse stations	M21 transcript
239	Morse stations	M89 transcripts
239	Morse stations	M95 transcripts
239	Morse stations	UM03 transcripts
239	Morse stations	UM10 transcripts
239	Picture	X06 spectrograms
239	Utility Round-up	Foxtrot messages and EAMs
239	Utility Round-up	Russian stations (morse stations)
239	Utility Round-up	Russian stations (voice stations)
239	Utility Round-up	Unid station
239	Voice stations	E06 transcripts
239	Voice stations	E07 transcripts
239	Voice stations	E11a transcripts
239	Voice stations	E17z transcripts
239	Voice stations	E25 transcripts
239	Voice stations	G06 transcripts
239	Voice stations	S06 transcripts
239	Voice stations	S06c transcript
239	Voice stations	S06s oddity
239	Voice stations	S11a transcripts
239	Voice stations	S32 transcript
239	Voice stations	V15 log
239	Voice stations	V24 logs
239	Voice stations	VC01 logs
240	Contributors	Contributors
240	Digital Modes	F01 transcripts
240	Digital Modes	F03 logs
240	Digital Modes	F06 transcripts
240	Digital Modes	F11 transcripts
240	Digital Modes	M42 logs
240	Digital Modes	M42b transcripts
240	Digital Modes	Polish Intelligence digital logs
240	Digital Modes	Polish Intelligence digital schedules
240	Digital Modes	Q26 transcripts and logs
240	Digital Modes	X06 transcripts
240	Digital Modes	XPA transcripts
240	Digital Modes	XPA2 transcripts
240	Diplomatic stations	Egyptian diplo
240	Diplomatic stations	North Korean diplo
240	Diplomatic stations	Sudanese diplo
240	General	De Luisterpost
240	Logs	Logs Section
240	Morse stations	M01 transcripts
240	Morse stations	M12 transcripts

240	Morse stations	M14 transcripts
240	Morse stations	M51a transcript
240	Morse stations	M89 transcripts
240	Morse stations	M95 transcripts
240	Morse stations	UM03 transcripts
240	Morse stations	UM10 transcripts
240	Picture	De Luisterpost (5 pictures)
240	Utility Round-up	Foxtrot messages and EAMs
240	Utility Round-up	Russian stations (morse stations)
240	Utility Round-up	Russian stations (voice stations)
240	Voice stations	E06 transcripts
240	Voice stations	E07 transcripts
240	Voice stations	E07a transcripts
240	Voice stations	E11a transcripts
240	Voice stations	E17z transcripts
240	Voice stations	E25 transcripts
240	Voice stations	G06 transcripts
240	Voice stations	S06 transcripts
240	Voice stations	S11a transcripts
240	Voice stations	S25 transcripts
240	Voice stations	S28 transcripts
240	Voice stations	V13 logs
240	Voice stations	V15 logs
240	Voice stations	V28 logs
240	Voice stations	VC01 logs
241	Contributors	Contributors
241	Digital Modes	F01 transcripts
241	Digital Modes	F03 logs
241	Digital Modes	F06 transcripts
241	Digital Modes	F11 transcripts
241	Digital Modes	M42 logs
241	Digital Modes	M42b transcript
241	Digital Modes	Polish Digital modes
241	Digital Modes	X06 transcripts
241	Digital Modes	XPA transcripts
241	Digital Modes	XPA2 transcripts
241	Digital Modes	XSL logs
241	Diplomatic stations	Egyptian diplo
241	Diplomatic stations	North Korean diplo
241	Logs	Logs Section
241	Morse stations	M01 transcripts
241	Morse stations	M01a transcripts
241	Morse stations	M12 transcripts
241	Morse stations	M14 transcripts
241	Morse stations	M21 transcript
241	Morse stations	M89 transcripts
241	Morse stations	M95 transcripts
241	Morse stations	UM03 transcripts
241	Morse stations	UM10 transcripts
241	Morse stations	XSG Shanghai Radio transcript
241	Picture	Ground station of the Dutch National SIGINT Organization, Burum, Netherlands
241	Picture	M42 MFSK-16 spectrogram
241	Picture	Q26 spectrogram
241	Picture	XSL spectrogram
241	Utility Round-up	Foxtrot messages and EAMs

241	Utility Round-up	Russian stations (morse stations)
241	Utility Round-up	Russian stations (voice stations)
241	Utility Round-up	Unid stations
241	Voice stations	E06 transcripts
241	Voice stations	E06b transcripts
241	Voice stations	E07 transcripts
241	Voice stations	E07a transcripts
241	Voice stations	E11a transcripts
241	Voice stations	E17z transcripts
241	Voice stations	E25 transcripts
241	Voice stations	G06 transcripts
241	Voice stations	S06 transcripts
241	Voice stations	S11a transcripts
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241	Voice stations	V13 info and oddity
241	Voice stations	V15 logs and transcript
241	Voice stations	V28 logs
241	Voice stations	VC01 logs
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242	Digital Modes	F03 logs
242	Digital Modes	F06 transcripts
242	Digital Modes	F11 transcripts
242	Digital Modes	M42 logs
242	Digital Modes	M42b logs
242	Digital Modes	Polish Digital modes
242	Digital Modes	Q26 transcripts
242	Digital Modes	X06 transcripts
242	Digital Modes	XPA transcripts
242	Digital Modes	XPA2 transcripts
242	Digital Modes	XSL logs
242	Digital Modes	XSL transmitter sites
242	Diplomatic stations	Egyptian diplo, logs and transcript
242	Diplomatic stations	North Korean diplo, logs and transcript
242	Diplomatic stations	Sudanese diplo
242	General	New designators
242	General	Nick Rumple obituary
242	Logs	Logs Section
242	Morse stations	M01 transcripts
242	Morse stations	M01a transcripts
242	Morse stations	M08a logs
242	Morse stations	M12 transcripts
242	Morse stations	M14 transcripts
242	Morse stations	M22 transcript
242	Morse stations	M89 transcripts
242	Morse stations	M95 transcripts
242	Morse stations	UM03 transcripts
242	Morse stations	UM10 transcripts
242	Picture	X06 spectrograms
242	Utility Round-up	Foxtrot messages and EAMs
242	Utility Round-up	Russian stations (morse stations)
242	Utility Round-up	Russian stations (voice stations)
242	Utility Round-up	Unid stations
242	Voice stations	E06 transcripts
242	Voice stations	E07 transcripts

242	Voice stations	E07a transcripts
242	Voice stations	E11a transcripts
242	Voice stations	E17z transcripts
242	Voice stations	E25 transcripts
242	Voice stations	G06 transcripts
242	Voice stations	S06 transcripts
242	Voice stations	S06s oddities
242	Voice stations	S11a transcripts
242	Voice stations	V07 transcripts
242	Voice stations	V13 info
242	Voice stations	V15 logs and transcript
242	Voice stations	V28 logs
242	Voice stations	VC01 logs
243	Contributors	Contributors
243	Digital Modes	F01 transcripts
243	Digital Modes	F03 logs
243	Digital Modes	F06 transcripts
243	Digital Modes	F06a transcript
243	Digital Modes	F11 transcripts
243	Digital Modes	HM01 oddities
243	Digital Modes	X06 transcripts
243	Digital Modes	XPA transcripts
243	Digital Modes	XPA2 transcripts
243	Digital Modes	XSL logs
243	Diplomatic stations	Egyptian diplo, logs and transcript
243	Diplomatic stations	North Korean diplo, logs and transcript
243	General	N&O 2017 index
243	Logs	Logs Section
243	Morse stations	M01 transcripts
243	Morse stations	M01a transcripts
243	Morse stations	M08a transcripts
243	Morse stations	M12 transcripts
243	Morse stations	M14 transcripts
243	Morse stations	M89 transcripts
243	Morse stations	M95 transcripts
243	Morse stations	UM03 transcripts
243	Morse stations	UM10 transcripts
243	Utility Round-up	Foxtrot messages and EAMs
243	Utility Round-up	Jammers
243	Utility Round-up	Japanese Air Force log
243	Utility Round-up	Russian stations (morse stations)
243	Utility Round-up	Russian stations (voice stations)
243	Utility Round-up	Unid stations
243	Voice stations	E06 transcripts
243	Voice stations	E07 transcripts
243	Voice stations	E07a transcripts
243	Voice stations	E11a transcripts
243	Voice stations	E17z transcripts
243	Voice stations	E25 transcripts
243	Voice stations	G06 transcripts
243	Voice stations	S06 transcripts
243	Voice stations	S06c transcripts
243	Voice stations	S06s oddities
243	Voice stations	S11a transcripts
243	Voice stations	V07 transcripts

<b>243</b>	Voice stations	V15 logs and transcript
<b>243</b>	Voice stations	V28 logs
<b>243</b>	Voice stations	VC01 logs

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AB-HK	Ary Boender via remote rx Hong Kong	HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
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AB-PHL	Ary Boender via remote rx Philippines	JPL-CHN	JPL via remote rx China
AB-POL	Ary Boender via remote rx Poland	JPL-KOR	JPL via remote rx South Korea
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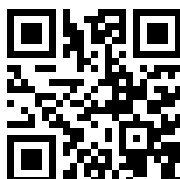
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46 40932 76987 22123 40817 26385 81287 65481 87264 8  
121 75654 55656 12737 72727 72727 91918 63473 67867 7  
233 87629 37677 32612 53498 71296 28756 18276 98716 8  
269 78320 74698 78857 98678 27881 58781 57681 73648 1  
81 87388 87385 96710 27830 12673 86769 28743 98127  
1 63298 75688 27465 87226 49876 28376 81278 98615 1  
47 67432 74328 78674 29867 32867 67867 86786 63286 8  
37 68768 68763 38238 38238 68768 62362 88272 88768 2  
30 98432 32432 86743 43286 43286 43286 43286 43286 4  
160 85743 86743 29867 32867 86743 43286 43286 43286 8  
111 85743 86743 86743 86743 86743 86743 86743 86743 4  
80 98798 98754 98754 98754 98754 29867 67543 67543 8  
48 87698 68876 87698 49876 37612 32348 34867 86798 6  
100 93298 65656 44754 56123 32143 14321 32143 14321 2  
175 57767 18080 58765 70587 68765 76587 58765 67  
100 800 800 800 800 800 800 800 800 800

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