

6	27364	92836	89428	61268	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98678	27681	56781	57681	73648	1
91	87364	87265	96718	27638	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	48
43	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	8
8	87698	69876	87698	69876	87612	12341	34867	86798	6
	43298	65656	56756	56123	32143	14321	32143	14321	30
	58765	58765	76587	58765	76587	58765	76587	58756	8

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #241, October 2017

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

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

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



FOREWORD

It was a pretty standard month. Interesting was the annual Russian Intelligence October fest with a large amount of MFSK-16 transmissions and the increased activity of V13. See further under these sections and in the Logs Section.

VOICE STATIONS

E06

18425/20230 kHz, 05-10/06-10, 0600/0700 UTC

186 294 50
17036 60980 62320 29867 60646 48715 29797 13117 15479 62195
25714 94946 34208 95427 48304 82520 07599 52022 39518 80098
04496 88861 22127 68308 36897 85261 64267 20618 11081 42306
94862 74201 50687 42041 18365 97390 02722 21230 02251 20895
62403 39333 35700 24975 77791 45428 82918 99766 20152 73730
294 50 00000

5190 kHz, 05-10, 2030 UTC

891 149 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

14931/18923 kHz, 05-10/06-10, 1505/1605 UTC

759 268 35
07934 24934 54326 00733 42313 84598 26163 00817 13936 32222
79312 79113 55190 22397 24987 57976 84257 53130 63756 67855
66457 91331 06703 21857 30771 74172 75979 87269 71229 34760
26949 64997 87842 25572 59088
268 35 00000

5197 kHz, 06-10, 2130 UTC

634 149 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

13545 kHz, 13-10, 0400 UTC

361 509 44
88198 09150 21861 80583 52007 33081 57664 98840 31983 38798
27450 13823 37466 20535 15054 83067 22913 59432 45495 03224
04369 74657 84309 25483 30335 46492 96747 70313 49223 22332
21524 14955 40569 41535 38805 52105 02213 40056 37120 43234
10618 20796 08887 14963
509 44 00000

18425 kHz, 19-10/20-10, 0600 UTC / 20230 kHz, 19-10/20-10, 0700 UTC

186 379 52
50821 42306 93108 65407 00270 76238 63307 54537 13868 70191
94033 68723 66372 34640 96127 29518 77347 01370 73317 54567
05010 86436 05763 19049 72197 13769 36809 33229 72904 41601
73917 90829 32826 58928 39677 67861 22339 44170 62684 76656
45360 03218 92467 04751 52527 29081 54625 93318 52130 50289
73409 81038
379 52 00000

5186 kHz, 19-10, 2030 UTC

891 149 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

E06b

Edd copied an E06b message and recorded it for N&O.

The recording is on the N&O website: <http://www.numbersoddities.nl/E06b-2017-10-30-1405utc-10755khz.mp3>

10755 kHz, 30-10, 1406 UTC

975 975 975 89715 was three times repeated, not followed by the key and group count. Each time followed by the message that abruptly cut out half way the message.

975 975 975 89715
41390 73934 79428 84153 36074 72241 36300 99800 93698 72047
10545 67482 85114 10545 23973 47141 91274 19247 49863 52836
22752 00533 20223 44645 10690 93884 26283 28237 52010 36813
95128 06272
864 32 00000

E07

9064/10264/11464 kHz, 01-10/07-10/08-10, 0600/0620/0640 UTC

024 024 024 725 85 725 85
08354 39836 44599 76508 96293 82603 03431 98736 64471 50700
98281 45997 07340 92932 05964 31163 92975 69157 49569 27361
66096 69820 10932 52305 58408 87558 42880 45573 15696 36414
86741 59551 79276 53161 80665 69316 64522 52526 12801 33881
52290 08719 50029 19225 82079 68533 50506 05530 32380 72302
87454 99168 69345 48808 06341 01842 07039 90628 43461 32005
53132 19248 51972 89412 51817 27356 17188 53179 70008 10212
83296 02050 49245 87954 14488 10042 43393 93936 83534 36291
72790 79774 46550 21865 01778 000 000

13376/12176 kHz, 11-10, 1700/1720 UTC

The 1700 UTC transmission had problems

Noisy transmitter

317 317 317 317 1 769 102 769 102

78900 47352 51537 91489 59450 56542 22811 44088 00665 59960
61143 69162 33469 30074 21267 36629 34294 45292 41632 98329
94428 52868 33044 93958 72652 87813 92319 01557 48074 39173
31119 37466 39504 98118 41331 26358 05233 97802 96141 44923
13870 28531 50307 22679 82921 61910 11219 03223 13986 84509
88508 78526 74597 24672 56958 78794 74173 0770 stops

Returns with a clean signal and starts with group 52

317 317 317 1

78526 74597 24672 56958 78794 74173 07702 20797 21064 42590
73076 15890 25082 32600 33583 82535 30758 61026 50065 36439
24793 15817 11066 02341 97408 37742 26387 60315 55043 23169
67865 46162 46721 05731 82761 12689 83446 22506 21426 73918
17358 60662 12815 17763 26811 27027 47199 84386 80379 34812
16861 000 000

7516/5186/4497 kHz, 12-10, 2010/2030/2050 UTC

584 584 584 1 30 70 30 70

17000 97328 98595 52755 94922 73097 66648 16076 72758 02336
53690 69951 62686 42443 37779 00755 15592 96685 40608 80494
01523 14185 21677 44221 66579 66681 96473 91195 35398 56070
28935 87270 44210 47578 45448 86694 20578 60458 65371 49854
43185 85123 11218 49946 47596 19147 90212 98228 18972 37655
35816 06048 01686 82492 55165 42034 24779 55418 01568 14007
68354 22691 45098 12780 08564 01921 35938 49962 10701 31853
000 000

17471/15871/13971 kHz, 24-10/27-10, 1100/1120/1140 UTC

489 489 489 1 1797 80 1797 80

74824 58455 99415 41918 33771 08220 92852 42964 26602 44379
23838 87673 25689 70114 02595 29714 80707 01169 59003 58159
12049 51277 65061 98071 10220 64219 64898 45662 72547 94683
83589 51019 06052 77884 65831 54317 38330 95087 07896 08972
86866 88820 46222 70239 96372 27430 69269 67768 85837 27198
78203 40157 64018 31372 91890 65270 08157 19642 01905 97201
48591 84495 03031 02878 24349 02735 37211 39092 90837 73185
38271 67330 68221 15499 89440 02405 43067 12978 61648 83921
000 000

9064/10264/11464 kHz, 28-10/29-10, 0600/0620/0640 UTC

024 024 024 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 77360 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

13376/12176/10776 kHz, 29-10, 1700/1720/1740 UTC

317 317 317 1 794 83 794 83

43680 68320 42619 63431 10631 11923 62806 89044 49676 86008
 27592 44651 01015 19299 83915 57531 75891 33300 89402 75055
 75974 22608 73726 50241 12794 15182 78385 91327 61626 65348
 87600 95656 94904 07018 92991 06225 72582 84742 13820 54048
 13885 97914 35268 32251 43440 14018 70556 65577 87612 55896
 55001 87662 12023 72573 39399 03271 22522 75974 11326 02304
 76125 24156 63672 67796 83307 68640 19233 30130 90351 31829
 01169 75492 14761 08607 86030 90784 87550 25974 65936 25286
 63851 41080 73526 000 000

E07a**8144/6944/5744 kHz, 04-10, 2000/2020/2040 UTC**

197 197 197 1 38885 6885 43 6885 43

68876 94199 14229 91122 29858 05383 03836 32885 51117 31424
 71096 26973 35844 90041 25079 27930 70071 26795 07916 42631
 01803 65443 78515 79659 60326 54610 74746 34359 12818 28785
 51079 19329 74968 42403 97157 21297 76964 82256 70600 22847
 57040 79724 74454 000 000

6788/7488/8188 kHz, 05-10, 0430/0450/0510 UTC

741 741 741 1 38885 6885 43 6885 43

68876 94199 14229 91122 29858 05383 03836 32885 51117 31424
 71096 26973 35844 90041 25079 27930 70071 26795 07916 42631
 01803 65443 78515 79659 60326 54610 74746 34359 12818 28785
 51079 19329 74968 42403 97157 21297 76964 82256 70600 22847
 57040 79724 74454 000 000

8144/6944/5744 kHz, 25-10, 2000/2020/2040 UTC

197 197 197 1 19985 810 47 810 47

26559 38861 55527 03537 34240 97495 62352 57571 70491 09585
 61542 99247 16814 38008 01449 76625 84736 45110 40887 73274
 45025 71954 39512 83923 32340 79110 46645 31290 29729 38725
 47016 40080 80906 57582 63721 01563 72879 04643 24985 45318
 91990 17751 57102 31056 74087 42569 29906 000 000

6788/7488/8188 kHz, 26-10, 0430/0450/0510 UTC

741 741 741 1 19985 810 47 810 47

26559 38861 55527 03537 34240 97495 62352 57571 70491 09585
 61542 99247 16814 38008 01449 76625 84736 45110 40887 73274
 45025 71954 39512 83923 32340 79110 46645 31290 29729 38725
 47016 40080 80906 57582 63721 01563 72879 04643 24985 45318
 91990 17751 57102 31056 74087 42569 29906 000 000

E11a**6804 kHz, 02-10/05-10, 0820 UTC**

436/33 Attention

56478 27810 95521 23934 88082 07612 19238 98493 89937 13849
 32745 02411 09023 52603 77133 11390 46206 87677 00746 82648
 71306 14788 24685 99176 41232 33383 85738 90311 00398 66564
 36237 02219 12616

Attention, rpt msg, out

9399 kHz, 02-10/04-10, 0900 UTC

537/37 Attention

38562 42970 11685 81365 58848 99182 95526 78791 84371 97184
24190 64096 45626 54659 88941 64549 38484 26353 20267 94637
16967 25552 73844 72875 39939 06981 76668 06035 91009 74546
83466 59743 58171 73887 95026 23476 57906

Attention, rpt msg, out

10448 kHz, 04-10/08-10, 1625 UTC

975/32 Attention

68883 35560 21334 98234 66278 33861 71999 03532 25321 22787
88479 09929 61249 72833 70228 84898 71964 88574 80722 86033
74859 35161 88201 74925 08313 90276 06044 85965 23736 43341
75327 70979

Attention, rpt msg, out

10213 kHz, 04-10/07-10, 1705 UTC

396/37 Attention

59765 67373 89940 85375 79328 20865 62131 46924 46651 56034
10542 47796 17985 50550 77274 02775 51612 87388 83898 97517
43352 09643 66413 72738 16815 74292 68909 69631 24122 44971
34951 56557 08950 19342 92855 84930 24326

Attention, rpt msg, out

8530 kHz, 06-10, 1910 UTC

611/31 Attention

29781 56904 23014 82517 37426 72736 87039 01447 41223 04273
53999 86314 70256 28171 35433 14536 48734 21613 39878 17051
79142 80230 97498 59356 40493 00134 23761 83799 57100 42506
20326

Attention, rpt msg, out

9200 kHz, 07-10, 0805 UTC

316/40 Attention

53134 60694 96227 29574 41917 54418 69875 56653 44218 85964
08150 07419 48446 90363 74156 75791 76746 48812 76718 77332
83894 93493 92838 00857 06005 30309 88265 47515 45084 87504
43880 16724 73013 27014 29159 20127 76192 06686 21200 68454

Attention, rpt msg, out

13470 kHz, 09-10, 0600 UTC

188/21 Attention

23961 23775 99773 29232 67068 79191 54097 97673 38102 42444
40979 05272 36427 11439 08938 86636 95897 69368 19632 40274
92466

Attention, rpt msg, out

7840 kHz, 10-10/13-10, 1000 UTC

306/28 Attention

72135 79398 24287 09332 25311 58312 42081 13645 74292 35386
21715 32896 32812 51389 79627 51029 97218 78753 12859 78435
46823 22110 96443 45528 63780 85526 99317 66825

Attention, rpt msg, out

8102 kHz, 10-10, 1045 UTC

573/31 Attention

41543 68219 10770 16918 42791 78864 59341 81522 39600 46715
58258 01380 49884 35934 91624 10674 57120 06742 61848 28754
35652 00641 58777 60872 51622 31195 77651 98968 07887 08523
03371

Attention, rpt msg, out

7727 kHz, 10-10, 1205 UTC

463/35 Attention

15364 41729 01541 55254 57361 43227 43388 73182 21651 44982
64548 85552 52387 04877 38659 94733 43883 64951 06947 25130
96909 06274 26443 45910 64806 66144 47588 26550 98113 23582
26021 76899 43695 28073 00857

Attention, rpt msg, out

10620 kHz, 10-10, 1925 UTC

558/35 Attention

66345 40441 80809 30224 15329 63933 83551 98040 34702 83855
09255 17628 32440 21272 79644 60661 61351 95076 50020 41930
54296 94697 90112 61004 33685 48378 53401 25923 74273 61855
71525 90174 44522 13560 57074

Attention, rpt msg, out

12530 kHz, 11-10, 0820 UTC

136/38 Attention

83722 78772 41682 90973 95810 78943 75778 64476 97428 44544
08554 16939 94791 74361 03275 66321 06932 69125 48522 57894
85744 06328 63166 51776 32638 86184 59845 79569 38166 53233
77879 53634 54530 86530 61884 63598 14429 15404

Attention, rpt msg, out

6397 kHz, 15-10, 1605 UTC

231/33 Attention

54708 14611 18176 35860 22657 87573 46420 93635 93638 28910
64614 61033 90934 92958 28517 79282 14676 13916 43204 64382
82412 02018 00482 03532 13130 19961 56141 59602 06904 68708
80012 68424 66204

Attention, rpt msg, out

5371 kHz, 16-10/19-10, 0450 UTC

412/34 Attention

50366 50340 34079 69100 60393 57379 17314 85622 75718 73926
17201 69897 79310 84811 79409 03344 79328 08333 32877 50718
83809 86938 69323 99629 80128 43681 97146 80120 23690 28291
92685 74114 45417 72291

Attention, rpt msg, out

10213 kHz, 16-10, 0745 UTC

269/33 Attention

77304 14862 00329 71147 70307 84690 29581 04753 13966 13316
52855 09018 18381 23352 17749 01763 82252 75921 95908 52053
69660 29702 48119 37595 71013 76776 17828 37934 90411 94696
56433 09448 06164

Attention, rpt msg, out

20286 kHz, 16-10/20-10, 1225 UTC

522/35 Attention

63900 43126 02632 01586 13614 25534 25632 50890 77574 60694
27408 17031 40611 53509 28926 77753 00488 69808 17048 18300
68053 48072 89879 18066 34465 57602 99749 24112 56580 60898
87876 39101 98605 87954 03654

Attention, rpt msg, out

10800 kHz, 17-10/19-10, 1645 UTC

337/33 Attention

54643 45076 20092 49498 19086 84681 35858 70917 56986 96116
75900 61964 36183 32941 74075 44297 66924 10521 75647 79241
66606 20548 96797 81695 64068 59747 34423 85299 06136 06170
39247 72168 94583

Attention, rpt msg, out

6807 kHz, 18-10, 0930 UTC

270/38 Attention

12109 00071 35808 00915 55681 80474 07998 18564 15263 47945
52424 50526 04647 66344 00626 67023 15928 64104 92408 51145
03301 03205 76560 05727 60384 12943 75897 32618 41344 22834
00286 07466 74075 08342 00762 08227 33277 71035

Attention, rpt msg, out

5844 kHz, 18-10/21-10, 1730 UTC

405/40 Attention

66581 45597 57263 31199 48050 91413 54843 59575 91830 94817
07328 52540 42412 44401 73121 39234 50742 15153 41313 56016
76369 65668 18788 44138 57442 38374 59088 75825 26795 79803
67248 85095 51068 83496 97101 64093 82146 60229 10020 58528

Attention, rpt msg, out

10800 kHz, 19-10, 0645 UTC

519/35 Attention

51172 78922 20130 79220 54170 64815 08368 73670 68631 41109
83648 71546 40175 75942 03755 27483 82579 18857 23597 27143
44481 88519 50920 71410 25394 23573 15501 40989 31238 81312
91141 24453 93476 14740 79177

Attention, rpt msg, out

10330 kHz, 19-10, 1530 UTC

269/33 Attention

77304 14862 00329 71147 70307 84690 29581 04753 13966 13316
52855 09018 18381 23352 17749 01763 82252 75921 95908 52053
69660 29702 48119 37595 71013 76776 17828 37934 90411 94696
56433 09448 06164

Attention, rpt msg, out

8186 kHz, 22-10, 2005 UTC

368/36 Attention

25918 24407 11014 45184 53936 52841 63117 37244 47782 87342
01280 02707 86409 29688 44818 49339 23491 35070 73959 59658
50477 99398 15875 59580 63178 61758 85059 45608 73498 24322
70694 61474 35155 77714 91972 49826

Attention, rpt msg, out

12153 kHz, 23-10, 0640 UTC

946/38 Attention

07805 28510 91330 64782 29672 80601 01629 01435 96439 84023
74110 14858 86549 27504 05734 75738 44652 67739 08114 69843
21387 17885 73236 42698 56143 51131 17800 07023 68600 49476
17827 60441 42603 52924 22131 39330 86166 71652

Attention, rpt msg, out

7317 kHz, 23-10/26-10, 0530 UTC

649/39 Attention

92703 36890 95218 97462 61847 05308 16708 94008 39973 41577
96803 48828 23238 62241 66179 83666 83682 30332 95865 33104
65046 40458 94736 16548 55858 09337 30942 14906 40666 83671
95978 54086 28929 88458 18081 72839 55103 54434 77443

Attention, rpt msg, out

8186 kHz, 21-10/22-10, 2005 UTC

368/36 Attention

25918 24407 11014 45184 53936 52841 63117 37244 47782 87342
01280 02707 86409 29688 44818 49339 23491 35070 73959 59658
50477 99398 15875 59580 63178 61758 85059 45608 73498 24322
70694 61474 35155 77714 91972 49826

Attention, rpt msg, out

9963 kHz, 24-10, 0710 UTC

633/35 Attention

59987 25614 58779 79253 28388 06660 57867 97677 85154 95788
11103 09168 51941 65939 44523 78556 00582 46470 45668 74350
64932 12286 88039 64035 70829 80988 55720 66761 71836 74226
32155 03352 61952 97105 52871

Attention, rpt msg, out

13046 kHz, 24-10, 1345 UTC

917/37 Attention

51197 75296 71490 98047 54032 49755 61141 75961 46606 74840
26534 64515 72373 19407 04150 12087 06564 52254 52719 32946
73398 93067 30262 05063 65778 82365 12013 21634 94035 34183
76383 24104 27217 14266 53656 57701 44622

Attention, rpt msg, out

17410 kHz, 25-10, 0745 UTC

344/40 Attention

95510 84952 85525 14499 77049 88048 05581 48920 21387 01135
83869 02401 79941 29847 26877 41744 93840 20998 01204 13448
34094 75351 66610 07499 89792 70076 90603 62728 46957 82594
96051 04692 98302 29357 97299 56911 34315 97181 13226 66507

Attention, rpt msg, out

10302 kHz, 26-10/28-10, 1300 UTC

583/33 Attention

72684 63788 25462 46048 03612 18492 49161 28990 05125 64415
90447 72815 44338 67991 41490 01722 76623 74832 35760 09233
49139 11120 71972 70138 55949 16190 70339 29263 66654 42017
01826 68859 37688

Attention, rpt msg, out

8102 kHz, 28-10/29-10, 0710 UTC

497/38 Attention

30334 55814 90235 99239 00355 40448 49371 32185 41165 70253
69423 18169 64795 53872 36125 55648 76200 14908 95714 84245
40884 66570 74028 23418 70477 04793 59711 76094 29096 06705
77365 19411 64508 09244 82888 42117 73833 74162

Attention, rpt msg, out

E17z

14260/12390 kHz, 05-10, 0800/0810 UTC

674 820 5 51326 41878 48807 29229 32184 820 5 00000

14260/12390 kHz, 19-10/26-10, 0800/0810 UTC

674 823 5 19804 96845 22444 08374 98662 823 5 00000

10240 kHz, 06-10, 1525-1551 UTC

1525 UTC 274

1527 UTC 22222222222222

1530 UTC 274 (R) until 1531 UTC

1532 UTC 274 (R) until 1534 UTC

1535 UTC 274 (R1m) 958 31 35415 43943 43500 04721 97964 0 and stop

1539 UTC 274 (R1m)

35415 43943 43500 04721 97964 01368 81379 65520 34869 47985

58139 57818 32007 36759 92939 47480 65296 84713 35678 36744

23375 56927 and stop

1545 UTC Test tone

1547 UTC 274 (R1m) 65296 84713 35678 36744 23375 56927 69640 67379 and stop

The message:

274 958 31

35415 43943 43500 04721 97964 01368 81379 65520 34869 47985

58139 57818 32007 36759 92939 47480 65296 84713 35678 36744

23375 56927 69640 67379

E25

6140 kHz, 31-10, 0942-0950 UTC, AM, tests

G06

5934 kHz, 12-10, 1830 UTC

579 241 125

06046 35697 17891 74634 48808 89926 90877 29617 15635 42283

04692 38597 05041 32635 11358 48123 16371 84356 24748 44665

61551 39669 12365 16446 01972 81900 06594 25335 42795 96196

06694 01087 11985 97689 03420 35472 04409 03189 48717 92804

58765 39428 64042 56920 19507 37600 35808 28464 96825 02924

95860 11279 43712 10470 46741 41742 23814 46172 93857 95674

51481 01751 27955 45773 51384 31728 13587 89018 78776 18020

32007 33247 12080 73916 59946 19267 89941 95205 95037 31535

14405 44819 30852 29037 01803 08768 01382 42707 99220 11563

14638 31424 47239 35680 77361 14300 73684 26666 89885 89588

18574 90915 48834 47539 51422 82371 81305 99201 17478 25054

42232 25784 53767 63166 69610 07182 82831 88377 99315 16141

31665 01710 42927 85605 75302

241 125 00000

5224 kHz, 13-10, 1930 UTC. Stops after 80 groups.

947 241 125

06046 35697 17891 74634 48808 89926 90877 29617 15635 42283
04692 38597 05041 32635 11358 48123 16371 84356 24748 44665
61551 39669 12365 16446 01972 81900 06594 25335 42795 96196
06694 01087 11985 97689 03420 35472 04409 03189 48717 92804
58765 39428 64042 56920 19507 37600 35808 28464 96825 02924
95860 11279 43712 10470 46741 41742 23814 46172 93857 95674
51481 01751 27955 45773 51384 31728 13587 89018 78776 18020
32007 33247 12080 73916 59946 19267 89941 95205 95037 31535
3153 Windows sound, then Windows shut down sound.

5934 kHz, 26-10, 1829 UTC

5442 kHz, 27-10, 1830 UTC

579 289 54

12345 89657 45632 75684 95463 84567 06854 84657 91745 19567
85674 82821 85674 21972 91297 27890 84672 74284 73581 83861
74581 91248 17671 41812 97128 90486 43716 47534 85494 24353
91486 17410 97272 49191 04171 42468 12893 89758 43673 48727
51534 87281 87462 64874 74728 87284 84926 82941 81749 92471
67578 64618 84021 72492
289 54 00000
Windows shut down sound

S06

20312/16237 kHz, 05-10/06-10, 0830/0930 UTC

842 976 43

66541 65057 38642 07131 55069 60535 33248 31385 58145 13359
26689 55652 17031 56769 94812 82386 35089 38026 01138 40291
86371 55095 49046 89019 57896 61796 76256 35312 49058 58587
77526 90236 76600 11195 66511 22236 58594 64246 12719 85662
75857 42125 14503
976 43 00000

9237/6774 kHz, 06-10/07-10, 2000/2100 UTC

514 367 95

52612 74916 51921 46234 34628 53237 25773 81283 54107 24997
78986 95455 16676 81243 09107 09023 15644 58147 86299 08647
93881 43394 75529 78622 84627 61106 68820 11974 31059 84286
88119 06494 91150 50111 26317 68462 35530 45082 31598 04634
49877 50519 16719 51309 47494 66534 73005 09344 97124 01434
66652 71987 48178 23945 29296 39103 79935 63094 52721 15245
60692 31876 78879 74932 64739 70896 10176 17742 63164 42224
16299 26171 78658 47231 93708 81064 60330 70636 26110 52421
20757 94647 39662 22200 24171 86363 43124 23573 68470 42695
51171 27644 61069 56757 76634
367 95 00000

15721 kHz, 09-10, 0400 UTC

480 716 55

74057 92801 43284 34976 93431 27586 47936 89058 53030 47111
25886 72742 52743 10274 55192 39383 49675 29484 03600 41157
56961 06730 87566 67941 06958 93612 39198 25756 72172 39757
17038 34433 22388 22171 21631 49217 01411 72756 01821 35986
11892 46152 62703 54755 01649 95087 11173 31189 29927 45458
00012 20772 07044 88278 56445
716 55 00000

S11a

7317 kHz, 03-10/06-10, 0915 UTC

484/36 Vnimanije

94302 93738 30084 14054 11523 56643 01041 33461 40537 06812
03371 19457 61251 42544 02113 45937 95283 27104 59375 07181
61547 45848 01487 11775 93757 95386 18749 45935 30484 33553
32641 54433 22197 23696 20112 70933

Vnimanije, rpt msg, konets

9960 kHz, 03-10/06-10, 1020 UTC

425/39 Vnimanije

17114 46243 78367 40191 84074 57486 56891 82275 44742 15233
54993 90979 23293 69043 86504 93584 18560 33558 91178 21083
87083 48274 75666 98782 56221 03766 66800 81618 56857 09394
02445 15286 07985 11275 70515 38095 50611 59735 88418

Vnimanije, rpt msg, konets

10213 kHz, 04-10/ 07-10, 1850 UTC

287/40 Vnimanije

52329 30832 74233 30784 18852 79649 73987 41872 86480 94210
50112 10494 12284 21627 67432 97212 93640 48206 48018 47783
33916 70513 84311 45040 83681 16406 74373 14946 33336 60013
44425 99877 12936 98709 90412 22236 64132 41406 16919 70512

Vnimanije, rpt msg, konets

4016 kHz, 11-10/13-10, 1955 UTC

373/39 Vnimanije

61474 33374 96938 64582 82636 41840 73545 46263 96845 04705
55120 24134 78585 96547 38823 02209 06203 35443 06143 74503
85681 76531 54986 01584 06465 68732 55570 95756 99655 55118
34987 48455 14467 80875 42394 68481 38776 57829 24458

Vnimanije, rpt msg, konets

10800 kHz, 18-10/21-10, 1540 UTC

561/32 Vnimanije

10144 10621 72950 14105 86047 81588 02449 07149 09836 80736
71365 61777 06731 81656 21323 13529 07227 03701 95707 26643
13455 78113 70090 02596 31215 02242 95412 44089 67474 15739
55751 62434

Vnimanije, konets

11493 kHz, 23-10, 1015 UTC

475/33 Vnimanije

67433 74015 86546 46718 64384 70058 03505 67234 22989 98278
06073 67357 46069 28431 42399 97399 23755 66351 37178 95692
36858 64333 25756 98273 67385 32492 83464 49082 56767 23442
23365 63976 57346

Vnimanije, rpt msg, konets

V07

18174/15874/14374 kHz, 15-10, 0100/0120/0140 UTC

183 183 183 1 301 63 301 63

85417 62167 33493 23554 66707 19225 53923 54147 39786 89802

96723 82626 16426 02066 18113 70985 05501 25496 29234 26256

15805 11330 43655 81522 23336 31978 63580 91852 77220 28031

63647 55617 12087 88294 85416 76887 93258 86812 90438 20507

86785 04936 77380 93053 56499 75573 83883 72937 04380 84242

73230 07719 53037 07091 50269 96322 94732 92892 69497 38721

37576 48839 33853 000 000

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

V13 has been jumping around in October. It seems that they temporarily increased their broadcasts possibly because of the 19th national congress of the Communist Party of China. The transmissions were irregular and not always on HH00 and HH30. They also used several new frequencies.

We further noticed that quite a lot transmissions were on two parallel frequencies.

On 13 October at 0400 UTC V13 had two transmissions at the same time on the same frequency: 15388 kHz. One ended at 0424 UTC and the other one at 0428 UTC. The recording can be found on the N&O website

<http://www.numbersoddities.nl/V13-2017-10-13-0415utc-15388khz-doubletxm.mp3>

V15 via Radio Pyongyang

I copied V15 on 26 October at 1615 UTC on 3250//3320//6400 kHz. Music followed by a message in Korean.

The recording is on the N&O website: <http://www.numbersoddities.nl/V15-2017-10-26-1615utc-3320khz.mp3>

Here is the transcript, thanks to Amano.

Start announcement in Korean:

Jigeumbuteo 27(i-ship chil)ho tamsadaewondeul-eul-wihan wongyeog gyoyug daehag oegug-eo bogseubgwa jeleul allyeodeuligessseub nida. Munjeleul buleugessseub nida.

Start announcement, English translation:

From now on for the 27th Expedition Distance Learning College Foreign Language Review I will let you know.. Let's call the problem.

Message:

03:13- 336 (sam-peak sam-sip yuk) page 74(chil-sip sa) #beon.

She reads the number of pages and the number of 29 lines.

05:19- 874 (pal-peak chil-sip sa) page 62(yuk-sip i) #beon -ibnida.

Dasi buleu gessseub nida (I say again)

Message repeated

i sang ibnida. (The end.)

Expected transmissions in November and December, shared by Hiroyuki :

Sat 04-11, 1515 UTC 09-12, 1515 UTC

Thu 09-11, 1615 UTC 14-12, 1615 UTC

Sat 18-11, 1515 UTC 23-12, 1515 UTC

Thu 23-11, 1615 UTC 28-12, 1615 UTC

All logged by Hiroyuki Komatsubara. Arigatougozaimasu !!

FREQ	DATE	UTC	DETAILS
4632	4-10	2230	Parrot. Messages in Korean. Female operator
4983	4-10	2230	Parrot. Messages in Korean. Female operator
5164	4-10	2230	Parrot. Messages in Korean. Male operator
4494	5-10	2230	Parrot. Messages in Korean. Male and female operators
4622	5-10	2230	Parrot. Messages in Korean. Male operator
5034	5-10	2230	Parrot. Messages in Korean. Female operator
5161	5-10	2230	Parrot. Messages in Korean. Femle operator
4625	10-10	2227	Parrot. Messages in Korean. Female operator
4494	10-10	2230	Parrot. Messages in Korean. Female operator
4986	10-10	2231	Parrot. Messages in Korean. Female operator
5010	10-10	2231	Parrot. Messages in Korean. Male operator
2931	11-10	1332	Parrot. Messages in Korean. Female operator
3002	11-10	1332	Parrot. Messages in Korean. Male operator
3050	11-10	1332	Parrot. Messages in Korean. Male operator
3518	11-10	1332	Parrot. Messages in Korean. Male operator
4494	11-10	2230	Parrot. Messages in Korean. Female and male operators
4632	11-10	2230	Parrot. Messages in Korean. Female operator
4972.5	11-10	2231	Parrot. Messages in Korean. Female operator
5166	11-10	2232	Parrot. Messages in Korean. Male operator
2933	13-10	1329	Parrot. Messages in Korean. Female operator
3519	13-10	1329	Parrot. Messages in Korean. Female operator
3001	13-10	1334	Parrot. Messages in Korean. Male operator
3050	13-10	1334	Parrot. Messages in Korean. Female operator
4494	13-10	2233	Parrot. Messages in Korean. Female operator
4628	13-10	2233	Parrot. Messages in Korean. Female operator
4982	13-10	2233	Parrot. Messages in Korean. Female operator
5172	13-10	2233	Parrot. Messages in Korean. Female operator
2929	16-10	1322	Parrot. Carrier on and off
3049	16-10	1330	Parrot. Messages in Korean. Female operator
3518	16-10	1330	Parrot. Messages in Korean. Female operator
3001	16-10	1331	Parrot. Messages in Korean
3051	16-10	1342	Parrot. Messages in Korean. Female operator
2927	16-10	1344	Parrot. Messages in Korean. Female operator
3518	19-10	1320	Parrot. Messages in Korean. Female operator
3049.5	19-10	1330	Parrot. Messages in Korean. Female operator
2932	19-10	1332	Parrot. Messages in Korean. Female operator
3000	19-10	1332	Parrot. Messages in Korean. Female operator
4494	22-10	2237	Parrot. Messages in Korean
4632	22-10	2237	Parrot. Messages in Korean
4970	22-10	2237	Parrot. Messages in Korean
4494	23-10	2230	Parrot. Messages in Korean
4631	23-10	2230	Parrot. Messages in Korean
4982	23-10	2230	Parrot. Messages in Korean
4494	25-10	2229	Parrot. Messages in Korean. Female operator
4630	25-10	2230	Parrot. Messages in Korean. Female operator
4971	25-10	2230	Parrot. Messages in Korean. Female operator
5168	25-10	2233	Parrot. Messages in Korean. Female and male operators
4494	26-10	2231	Parrot. Messages in Korean

FREQ	DATE	UTC	DETAILS
4632	26-10	2231	Parrot. Messages in Korean
4982	26-10	2231	Parrot. Messages in Korean
5159	26-10	2234	Parrot. Messages in Korean
4494	29-10	2229	Parrot. Messages in Korean. Female operator
4628	29-10	2229	Parrot. Messages in Korean. Male and female operators
5167	29-10	2231	Parrot. Messages in Korean
4975	29-10	2233	Parrot. Messages in Korean. Female operator
3002	31-10	1328	Parrot. Mic test? Male operator
3518	31-10	1328	Parrot. Message in Korean. Female operator
2905	31-10	1330	Parrot. Message in Korean. Female operator
3002	31-10	1330	Parrot. Message in Korean. Male operator
3518	31-10	1330	Parrot. Message in Korean. Female operator
3051	31-10	1331	Parrot. Message in Korean. Female operator

VC01 - Chinese Robot (Chinese Air Defense)

The Chinese Robot used day frequencies 8107 kHz USB and 7624 kHz LSB and night frequencies 3021 kHz USB and 4225 kHz LSB in October



Ground station of the Dutch National SIGINT Organization (NSO) in Burum, the Netherlands

Picture © Wutsje

MORSE STATIONS

M01

6260 kHz, 21-10, 1500 UTC

463 171 171 30 30 = =

07234 61421 94772 57188 55981 29191 50105 95894 66089 46984

32679 48925 84385 64533 55387 75874 62987 02172 18059 03663

82234 54110 83372 06655 12510 33237 34656 35075 50432 17010

= = 171 171 30 30 000

5475 kHz, 26-10, 1800 UTC

463 705 705 30 30 = =

95390 04585 66658 33032 50176 76646 67544 40460 12084 19140

31088 04680 63415 12033 99559 05816 51538 22210 53445 42073

15931 97517 81786 23285 24357 69473 76466 81475 39258 90144

= = 705 705 30 30 000

M01a**9411 kHz, 10-10, 0530 UTC, i.p.**

751 (x3) 97919 97919 (Rx6) Stops and restarts during last repeats...

751 (x3) 98745 98745 (Rx4) Cuts out...

111 999

00047 00040 56182 19825 68645 45988 42877 06704 17226 66740

20806 65375 12929 64736 37371 13787 03983 76014 54848 72268

80547 65164 06706 27530 98575 36982 78442 41059 47737 57700

99148 80678 00030 00037 00000 = 037 35 000

5860 kHz, 11-10, 0652 UTC, i.p.

582 (Repeated for ca a minute three times with three minute gaps in-between each sending)

5860 kHz, 11-10, 0751 UTC

582 (R1min)

6034 kHz, 11-10, 0656 UTC, i.p.

881 (x3) 41177 41177

4545 kHz, 11-10, 0841 UTC, i.p.

9 82 (x3) 33430 33430

9 82 (x3) 32500 32500 (Rx 9)

9 82 (x3) 33500 33500

4545 kHz, 11-10, 0921 UTC, slow sent

Test tone.

982 (x3) 32670 32670 (Rx 6)

111 999

428 12 = 89562 32547 01897 54068 52987 56348 12301 12365 75484 32899 12547 36587 = 428 12

111 0 0 0

4545 kHz, 11-10, 1118 UTC

982 (x3) 32101 32101 (Rx4)

111 999

839 14 = 64785 23956 33014 45780 16230 95852 25847 36923 95607 45871 95478 42330 85947 63254 = 839 14

Repeated slower.

111 000

5063 kHz, 11-10, 0837 UTC, i.p. slow sent

430 (x3) 48756 48756 (Rx 6)

430 (x3) 49756 49756 (Rx 7)

4641 kHz, 12-10, 1127 UTC, just caught the ending of a message

111 0 0 0

4641 kHz, 12-10, 1218 UTC

385 (x3) 82899 82899

385 (x3) 333 82999 82999 (x2)

111 999

413 10 = 87504 98420 896.... 54651 26 84468 ... 89651 03465 41468 12084 21054 65126 84468 74963 = 413 10

111 0 0 0

4408 kHz, 12-10, 1134 UTC, i.p.

996 (x 3) 47898 47898 (Rx2)

111

111 999

137 05 / 67219 98371 85948 09489 80889 / 152 05 0 0 0

4641 kHz, 12-10, 1209 UTC

Test tone.

996 (x3) 38868 38868 (Rx3)

111

111 999

543 10 / 63783 65434 86542 54348 07654 54221 42343 74321 67372 96593 / 543 10 0 0 0

4641 kHz, 12-10, 1235 UTC

Test tone. Much Faster. Sounds like it is been pre-recorded and is being played back faster.

996 (x 3) 33822 38822

996 (x 4) 38872 38822

9 6 6 996 996 38822 38872

996 (x 3) 38822 38822

996 (x 3) 38822 38872

996 (x 3) 38812 38877

996 (x 3) 88822 38822

996 (x 3) 38822 38822

996 (x 3) 38822 38821

996 (x 3) 38768 88768

996 (x 3) 38...

99 99

996 (x 3) 38768 38768 (Rx 6)

1 11

111 999

381 05 / 57713 63783 65434 86547 63331 / 331 05 0 0 0

111

333 0 0 441 05 0 0 0

4384 kHz, 12-10, 1212 UTC

718 (x3) 53000 53000 (Rx5)

718

111

111 999

343 10 / 08938 26310 54689 23490 87943 79096 54348 07654 54221 42343 / 343 10 0 0 0

111

333 0 0

34310 0 0 0

4641 kHz, 12-10, 1218 UTC

Voice traffic

4678 kHz, 27-10, 0953 UTC, i.p

41

333 43361 43361 (Rx3)

333

333 43151 43151 (Rx3)

333

333 43231 43231 (Rx4)

111

333 3

333 3

333 3

111 000

9176/7931/6904 kHz, 02-10, 1700/1720/1740 UTC

257 257 257 1 7805 104 7805 104
29228 36590 08255 67763 44003 89254 85199 06861 74287 47141
54549 32629 05328 82719 71641 62097 68122 15518 62061 51882
69119 69765 93348 88086 96701 55156 37610 69439 77995 69070
17801 88290 05965 33744 74404 35212 30193 40585 67564 65438
19810 78144 33806 61767 84113 90408 01769 29102 42614 68519
54457 01954 46682 42935 06116 74337 77261 34700 67577 18343
33017 59740 70927 34616 48304 71294 23099 93008 91619 54148
62630 02872 43556 09465 93441 03794 88193 24357 40253 32839
85531 99435 33063 58283 07449 59568 83851 57159 45829 74252
56000 10255 01715 83391 13848 78447 32256 22966 34091 11167
19146 52349 00192 59299 000 000

9176/7931/6904 kHz, 04-10, 1700/1720/1740 UTC

257 257 257 1 9562 101 9562 101
82275 29822 20388 74331 73624 70348 93834 47023 55565 36234
71448 91859 22141 23184 31464 33716 52066 51552 68763 97252
97070 05054 66832 85190 94650 16711 33675 12867 71577 25657
31451 69871 43190 29231 72996 27587 37186 15048 85243 23932
73020 66418 68850 67823 42309 81747 68972 80267 09497 50167
03418 86724 57396 65194 09806 99064 10072 57109 86123 97478
96982 14974 81173 69187 52611 88121 64093 82860 59850 37180
14380 45852 43721 80394 79683 30130 10340 08228 56281 87618
19885 99331 00204 87135 06121 57889 25293 51133 29487 70716
68095 37199 47844 63073 68317 08668 75739 95695 65169 14374
51273 000 000

9176/7931/6904 kHz, 04-10, 1800/1820/1840 UTC

257 257 257 1 8986 140 8986 140
90200 02568 43765 87622 29238 40301 54688 66778 08788 50216
57155 18736 57344 18839 79183 59822 47471 95247 71080 46941
87733 44253 40512 81318 13679 20799 61035 92032 31975 19419
10974 57643 57538 71366 23663 81940 88992 14355 24937 16536
03664 96942 79016 23799 05272 06511 94916 81496 77244 58777
41673 53698 42274 38594 32424 87574 32428 26092 83291 68732
01203 81633 02007 85751 79196 04285 13614 80274 52191 20776
75888 39350 80391 41778 37674 36122 39908 60983 29396 67564
36111 22438 89957 07839 24863 25291 24166 56J59 35980 86276
94163 13542 34631 75110 02343 07997 82372 15564 75915 85184
71128 88593 51373 03123 57605 74603 71822 44829 71966 04544
25859 72341 15130 89317 66724 88722 27386 98719 88830 17690
58824 90072 91419 43015 57393 42791 18977 57235 07628 35904
58320 03252 34207 43282 75668 97902 37534 55455 00679 50886
000 000

8047/6802/5788 kHz, 04-10, 1900/1920/1940 UTC

463 463 463 1 3441 148 3441 148
35003 77589 37398 98483 02092 48375 54995 97876 57741 93081
02195 42543 84845 23354 44206 84608 04010 64715 99417 02013
17344 94958 97892 43765 66481 31392 02908 43696 58897 18673
07236 62784 07887 55323 55858 45615 92589 30666 73049 84990
90117 37040 11878 69013 09475 54960 55532 09580 81213 56680
93534 52201 50624 51838 90088 38819 13025 25930 95804 75166
13775 93974 02353 21158 14144 51597 90841 76395 07642 59613
30093 41074 33877 92253 12663 47400 19036 65202 74114 96044
19584 78076 98969 16728 13650 05253 58143 10848 99067 44710
81611 74155 28278 96324 79292 02451 10988 38681 06894 34719
65884 40465 48699 15510 56294 00982 12609 95768 74346 52676
52034 95423 85650 50198 67011 68189 70168 67066 60901 08924
57029 27007 51386 00881 17461 99477 06138 85922 03745 49974
70396 61629 38897 12483 33769 60896 88243 78230 07830 62750
62226 62840 43354 53401 98716 30547 90983 46460 000 000

5814/5214/4614 kHz, 04-10, 2100/2120/2140 UTC

826 826 826 1 7070 101 7070 101
98280 87196 93028 77900 83498 15060 23722 94145 78782 55228
01286 56373 39014 07444 97540 22583 61071 20780 57154 90076
97594 58040 07831 35355 17597 36759 50438 80659 68167 50480
33810 22388 10427 42252 69517 58703 43561 79285 04719 80533
23512 97879 24834 08580 80143 54904 35547 74697 16017 74647
66807 70054 20888 36512 16611 04063 98965 89255 89831 52607
14130 19311 77788 07610 15685 06076 82155 73648 59490 81101
92164 57185 06079 78457 13098 01420 02129 90906 49293 47853
81841 84563 07062 44623 33686 72127 47791 80951 68974 30572
72556 92713 63433 01476 16381 56682 45297 14520 89541 87444
47952 000 000

14377/13461/12114 kHz, 05-10, 1700/1720/1740 UTC

317 317 317 1 9222 106 9222 106
37281 49455 17944 29716 81044 30011 55266 40668 95145 19155
89916 26263 91650 55396 78647 73470 71214 59742 75172 45580
42217 87578 74475 87779 05978 03604 25793 15583 69160 76929
82209 93257 37486 26987 74976 42485 95686 37945 43506 56854
28629 42686 03830 86793 26729 47729 50191 91455 97002 89981
01599 19796 83826 22312 27784 69632 22817 36347 56546 98809
10291 62797 76717 98821 34000 38086 52753 10588 36931 54747
78037 66624 08733 13266 11076 66133 65823 20323 68032 81119
21206 96871 23372 76214 54130 32765 44529 54603 77362 30323
02690 07128 10655 82416 23141 47931 87470 37460 52388 95075
27675 46153 99291 27560 43685 30002 000 000

6832/7932/9232 kHz, 07-10, 0500/0520/0540 UTC

892 892 892 1 7070 101 7070 101
98280 87196 93028 77900 83498 15060 23722 94145 78782 55228
01286 56373 39014 07444 97540 22583 61071 20780 57154 90076
97594 58040 07831 35355 17597 36759 50438 80659 68167 50480
33810 22388 10427 42252 69517 58703 43561 79285 04719 80533
23512 97879 24834 08580 80143 54904 35547 74697 16017 74647
66807 70054 20888 36512 16611 04063 98965 89255 89831 52607
14130 19311 77788 07610 15685 06076 82155 73648 59490 81101
92164 57185 06079 78457 13098 01420 02129 90906 49293 47853
81841 84563 07062 44623 33686 72127 47791 80951 68974 30572
72556 92713 63433 01476 16381 56682 45297 14520 89541 87444
47952 000 000

9176/7931/6904 kHz, 09-10, 1700/1720/1740 UTC

257 257 257 1 6629 107 6629 107
61690 50035 51504 20750 45226 41295 26455 53289 67597 78314
65961 40248 44044 27823 81939 49913 15267 69229 14083 33636
36305 07639 72673 89609 64409 61087 10414 18029 10184 85542
32205 40777 85888 25424 92988 26440 48775 03976 21396 36644
27883 03250 17334 56997 06329 89611 63192 06761 79002 41664
00090 64650 13037 81832 02950 39960 52448 42756 30412 08870
39354 54076 33816 21545 96263 19072 11853 37578 11336 22182
71087 60939 14824 43224 59874 87517 53330 37828 17012 27339
52655 73742 51428 61113 11172 75190 84720 26818 25789 71733
59863 50401 17770 66953 54494 03497 41039 35476 71052 06233
77978 30423 10770 93558 04205 42242 69437 000 000

9176/7931/6904 kHz, 11-10, 1700/1720/1740 UTC

257 257 257 1 7727 110 7727 110
25439 26120 77753 38006 97321 42048 48257 49376 04865 48737
91984 17684 01000 46857 27057 61824 95101 88107 15169 94583
29241 56841 92149 26305 87325 71604 59660 49825 55113 70898
02613 06511 85135 59878 02124 70788 09184 34713 54071 00982
07898 25522 59181 10521 10227 74275 86323 71474 69734 31169
23553 86025 86324 63375 87959 68028 18375 77278 24810 97712
03481 47911 01554 14533 33178 54926 37383 59694 98096 76807
55002 06981 70774 62310 22763 50246 11060 48352 09714 61700
12226 27136 66287 69817 59581 42241 63023 81832 67040 68935
98657 87050 46138 53767 45847 95476 75201 29128 97658 95358
77502 53421 55859 87334 36528 74673 84186 87443 73388 15041
000 000

9176/7931/6904 kHz, 11-10, 1800/1820/1840 UTC

257 257 257 1 3095 137 3095 137
83671 99686 95605 63589 79396 69239 36921 56250 46223 22140
46924 49719 98714 09305 88945 81386 20592 33151 81991 20087
89132 36179 19779 78297 49753 89747 35327 22850 55057 62278
91875 07564 09576 69975 26794 15626 25855 15151 05367 20206
20495 69334 29431 57595 30925 19882 25456 39733 23976 76705
39827 04514 04427 88362 29787 45276 76427 84769 86309 61676
03787 99674 36332 41529 67488 11842 10068 38193 08860 91219
82397 86347 59295 29526 30527 38505 52124 43578 34557 17593
99400 13180 41921 85996 92893 02694 12795 59998 69134 27044
75719 70511 72702 79228 15320 11297 23204 03963 80206 51789
99533 27889 15833 98292 57506 04344 39521 57643 61971 69039
34567 27818 77389 12623 14985 70164 13020 20092 16777 74579
54239 45853 89614 69337 67051 09927 98471 63553 29438 82545
17456 07409 48618 30185 52022 71433 69288 000 000

5814/5214/4614 kHz, 11-10, 2100/2120/2140 UTC

826 826 826 1 2441 97 2441 97
17322 24249 59508 26268 55169 31362 24893 19998 02729 84141
86345 87620 98566 83035 27947 49337 44909 88341 69151 14186
01445 36584 26971 55919 06031 28089 81755 56769 44159 51398
98705 78340 82011 41530 12721 48471 47405 77944 14300 84461
03945 16733 20583 00790 65923 25489 94888 09736 64061 41650
01531 67628 83952 85399 12048 06647 63627 03269 54769 61719
07343 12891 64237 04987 23295 45540 43584 21509 12712 50574
39484 61959 27942 49420 86664 00506 37712 85889 47034 61635
59213 99463 71908 40687 67659 37922 23870 69919 54239 17429
91216 21268 91663 93927 84068 16369 23597 000 000

12214/10814/9214 kHz, 12-10/14-10, 1310/1330/1350 UTC

282 282 282 1 4583 69 4583 69
05631 72672 02018 68035 26466 51995 62893 39565 71770 01277
13375 54101 78965 03248 28135 93286 77779 20738 37825 11136
41075 37398 93456 16719 34530 34330 69131 08801 84868 30241
64351 55982 52807 37031 93069 66656 99902 30655 18112 74313
82798 97402 69183 73116 68960 60642 78889 66869 67294 42488
79741 66171 13263 54546 20898 82607 04908 00829 89571 83206
31764 98655 30969 96481 05800 71683 66849 59373 68025 000 000

6832/7932/9232 kHz, 14-10, 0500/0520/0540 UTC

892 892 892 1 2441 97 2441 97
17322 24249 59508 26268 55169 31362 24893 19998 02729 84141
86345 87620 98566 83035 27947 49337 44909 88341 69151 14186
01445 36584 26971 55919 06031 28089 81755 56769 44159 51398
98705 78340 82011 41530 12721 48471 47405 77944 14300 84461
03945 16733 20583 00790 65923 25489 94888 09736 64061 41650
01531 67628 83952 85399 12048 06647 63627 03269 54769 61719
07343 12891 64237 04987 23295 45540 43584 21509 12712 50574
39484 61959 27942 49420 86664 00506 37712 85889 47034 61635
59213 99463 71908 40687 67659 37922 23870 69919 54239 17429
91216 21268 91663 93927 84068 16369 23597 000 000

18639/17439/15389 kHz, 16-10/18-10, 1400.1420/1440 UTC

648 648 648 1 5604 121 5604 121
98230 32349 12451 13960 12093 69214 73648 11324 60555 86435
46853 39946 87356 65517 20295 41796 52889 31455 87591 48205
59204 74768 73810 73249 36109 55908 17981 78153 28380 15827
18618 39855 95507 37026 33927 45643 80252 29030 75939 42756
85635 95938 88885 54805 41820 66156 03537 50760 57960 36834
65116 02782 07126 20183 63900 01316 58077 06472 92312 13993
28429 08533 83698 17696 15365 58511 40787 58362 53530 25515
25514 76246 26229 00648 61111 69340 39488 42266 34898 22821
44694 55880 68183 36262 40530 86412 50277 50567 28043 28000
54311 38343 66456 68910 76024 54462 78600 73037 96868 93885
42938 41477 17685 25682 81600 37477 77068 51946 17233 85284
16236 50802 30823 82314 93275 65953 50327 13917 83054 15815
02366 000 000

9176/7931/6904 kHz, 16-10, 1700/1720/1740 UTC

257 257 257 1 1187 107 1187 107
43521 70621 81228 74443 52175 99934 60885 01592 43270 05099
06678 84986 78957 48192 11018 78603 47954 00824 34840 47372
71863 62992 51242 42857 06094 80613 30119 77936 39166 99116
53893 25587 29529 25008 32436 12596 17333 21983 09115 04457
43917 37518 26001 02254 47429 87007 90201 89868 11726 89928
02102 20883 81774 35850 99285 43471 40361 58705 33956 42974
56092 12928 46069 03337 01764 70130 72801 96137 19933 21216
63140 57467 36907 47192 94111 43597 41197 80913 66240 04475
10978 73673 41424 30823 68304 21408 89436 20811 52109 00417
87191 06687 06335 16910 29144 07475 93841 23967 62477 19148
16946 51425 95546 98940 83634 50484 25762 000 000

9176/7931/6904 kHz, 18-10, 1700/1720/1740 UTC

257 257 257 1 9390 101 9390 101
59550 39039 05928 87961 97662 10162 45814 07712 64796 60319
97919 98627 87439 52688 41891 69792 91788 73727 89647 48267
41048 14548 89281 14621 69325 92699 27175 47328 95266 31320
53267 34812 40598 62280 47695 90034 95829 10244 38748 72943
06119 30066 77099 16724 41553 40058 09338 37670 93107 26300
63623 95917 28574 81044 83327 98018 29293 73890 14243 79828
17461 90300 32829 73741 12551 86786 05526 65146 36899 78479
90302 54109 88753 35846 94736 25110 76861 50836 81582 07794
30021 54198 07594 46186 80428 11464 51312 58219 88934 70703
04054 60303 89756 45383 53611 68872 14056 98179 08011 72492
41402 000 000

9176/7931/6904 kHz, 18-10, 1800/1820/1840 UTC

257 257 257 1 2710 133 2710 133
85607 47730 47704 77441 27465 25531 16387 79567 34103 88465
20760 82001 86194 61372 49281 31954 34734 43353 036E5 87510
28374 60138 66750 47108 21403 49145 27099 33017 51762 96015
64587 33965 30250 99825 39875 33846 47325 99242 95851 31137
87750 93238 71099 53109 51376 66495 55605 53769 77193 05704
39028 15028 87220 74930 72253 98024 00403 28902 98852 05316
16193 14839 38811 29667 45137 76296 25760 38323 22110 11234
71685 67518 75042 60181 79883 46758 55400 43695 45961 55357
88381 95840 57255 93776 40194 60295 47811 38422 08483 10869
16713 57866 79065 53247 98556 49060 38823 90856 73248 03616
55850 66449 20206 23924 10667 72796 84658 70103 36498 63636
54571 63522 62477 01744 59462 83855 06397 23437 32208 07775
18250 85814 32010 05445 10435 03555 07528 55124 12407 43440
28800 27751 53524 000 000

9176/7931/6904 kHz, 23-10, 1700/1720/1740 UTC

257 257 257 1 7315 108 7315 108
73338 44979 12991 50318 27405 20250 15886 51840 98992 45733
84550 38388 81068 64352 10372 55796 20814 82442 36153 87097
69960 05160 81262 94686 57434 73837 65581 39955 32709 74137
49170 52529 34735 92760 47493 81622 26750 93763 71942 26310
99367 54866 83539 88850 23385 70330 66935 76781 11142 06357
53245 78401 00188 82571 52706 38106 37400 16726 83016 94311
36997 11892 79534 36034 78650 99762 11495 33174 48420 75352
39124 15601 86244 58821 38953 82723 23162 52213 70929 16805
47653 21226 85754 44091 29872 91592 35041 06837 27418 58352
83628 69975 30005 02227 59106 78481 52199 57339 48242 13306
67343 43677 26425 16545 47609 71427 66423 23027 000 000

9176/7931/6904 kHz, 25-10, 1700/1720/1740 UTC

257 257 257 1 8732 110 8732 110
83887 52965 65767 34757 81736 53432 49028 89167 15724 63603
01379 88511 51972 10122 45974 46854 00590 87151 09120 59226
56066 02052 08957 12785 15723 74100 28077 12991 01715 24823
17874 91633 92009 87278 91088 93387 45819 17578 04318 12582
76212 47611 57240 94806 22148 16387 20564 79418 61410 20244
91054 72844 63757 16969 79102 22739 30335 95225 70957 29446
31419 81446 61987 22011 08157 16997 78346 78825 43144 65005
72274 99594 78868 75004 26952 64151 23037 20425 00626 35991
47477 11593 46028 88921 48294 49544 19558 21762 19926 98898
34152 84252 67606 40969 00441 94322 73334 66609 72217 20031
57322 44751 90838 84397 07170 16726 78811 00460 96040 44082
000 000

12214/10814/9214 kHz, 26-10/28-10, 1310/1330/1350 UTC

282 282 282 1 6669 77 6669 77
67917 51268 18512 07225 89131 47603 61133 78986 46511 81274
56705 36221 18311 64688 69651 52429 16453 63042 07553 52571
26462 24840 82638 88166 15304 63528 17388 41875 43465 33433
75640 35745 35395 83472 44873 08911 63022 20289 09961 67359
17081 75782 35841 12280 17111 42832 01871 38592 28154 55298
56789 46583 58289 34251 49550 17567 01773 15727 15335 44864
00379 42134 38066 23383 23189 21787 99075 13814 51942 48447
25286 04034 26472 28440 01746 01872 46625 000 000

14377/13461/12114 kHz, 26-10, 1700/1720/1740 UTC

317 317 317 1 8685 101 8685 101
08255 75815 47871 40139 58091 47146 30652 26441 53762 67553
28847 67872 28935 21282 89188 91805 64398 28601 84840 45119
06959 74259 02736 09403 77287 90740 22966 49718 58366 19543
57757 22152 69857 90553 27803 27609 84998 88656 53961 04771
99317 98565 69944 66688 16831 88139 59484 93333 61250 96293
83311 73931 66504 54830 86619 88994 32027 61772 54103 91117
66689 49243 29002 42997 04922 07117 59510 08638 57787 90013
72869 31780 03513 62148 10273 07046 28988 03486 43001 57825
61079 48197 75023 26016 10484 97212 03676 78600 11514 24031
55607 75163 17453 77313 09490 20228 59665 78020 41699 05864
39327 000 000

6832/7932/9232 kHz, 28-10, 0500/0520/0540 UTC

892 892 892 1 7734 123 7734 123
92880 67826 54965 46224 19387 46027 68816 47840 30060 81957
05004 70330 61355 78619 01379 22684 97308 64412 32337 95616
46135 35081 76850 18650 87530 66440 52896 77648 47580 84397
25070 81951 74960 03958 33139 10449 41678 55272 39472 96926
19697 81626 23749 32593 59603 46385 68707 12621 72660 38905
95799 70825 34496 07338 77653 55994 28690 51691 27561 88034
22860 85927 50865 84025 95715 68075 38827 13230 23821 67106
66509 32127 11336 01075 37632 42316 69378 67181 22654 09535
31844 73472 42528 68289 28533 56743 39559 68574 27527 01848
88649 17596 13310 45251 08386 75488 16493 05298 83100 42362
08176 70298 21917 63706 82178 80945 48442 21038 16220 57438
84579 15185 55468 94587 37622 95972 87022 77871 29338 15682
62041 13644 17988 000 000

18639/17439/15839 kHz, 30-10, 1400/1420/1440 UTC

648 648 648 1 3320 87 3320 87
44489 81719 00790 06387 73120 76710 69100 70393 12846 92114
63110 50158 56582 77743 80735 54014 83158 65236 09969 31581
84953 42341 28050 86448 45186 63669 12036 53115 53748 81514
61735 49677 57648 02419 95871 85675 01471 74092 42591 94075
30090 61653 35122 96280 64292 30783 11757 69692 53553 72511
65929 36302 53702 60013 77790 73940 17835 88811 98160 54165
16817 10160 03918 93322 67575 44149 58016 69916 41912 19917
17975 06642 23218 89091 59063 05465 01883 31468 47265 22659
21496 11981 29428 28229 96225 57177 27798 000 000

1420 UTC transmission:

648 648 648 1 3320 87 3320 87
 44489 81719 00790 06387 73120 76710 69100 70393 12846 92114
 63110 50158 56582 77743 80735 54014 83158 65236 09969 31581
 84953 42341 28050 86448 45186 63669 12036 53115 53748 81514
 61735 stops and resumes with
 648 648 648 1 648 648 648 1 648 648 648 1 648 648 648 1
 49677 57648 02419 95871 85675 01471 74092 42591 94075 30090
 61653 35122 96280 64292 30783 11757 69692 53553 72511 65929
 36302 53702 60013 77790 73940 17835 88811 98160 54165 16817
 10160 03918 93322 67575 44149 58016 69916 41912 19917 17975
 06642 23218 89091 59063 05465 01883 31468 47265 22659 21496
 11981 29428 28229 96225 57177 27798 000 000

9176/7931/6904 kHz, 30-10, 1700/1720/1740 UTC

257 257 257 1 3342 103 3342 103
 98980 16249 83493 95525 76215 21633 71874 12917 92358 81358
 53137 23202 10230 79410 02156 60722 09928 13915 31603 06405
 60373 71476 20024 26738 91000 41860 33180 92719 45230 38115
 35783 12132 60422 36726 28595 96276 49300 14379 16220 67702
 82567 11985 86720 04647 66103 26179 43285 74957 12744 24203
 46017 36980 94235 86873 03158 06144 46077 21658 90083 44817
 81104 43561 74922 54697 88327 19098 62838 95408 54502 36205
 75440 23491 80296 63683 31271 23601 30366 47728 76276 03388
 01788 00197 16665 77457 67407 76166 51165 83816 84914 09998
 76081 21082 46689 86002 59473 86403 85561 02299 44817 16670
 60917 80182 81487 000 000

M14**18041 kHz, 02-10, 0500 UTC**

952 638 638 50 50 = =
 89787 21713 68946 93267 31246 06066 45053 90736 29343 80672
 90558 39907 79791 37849 10771 60943 26564 88147 86934 77535
 50380 21577 76109 85001 53010 47835 06053 93500 17053 13977
 57324 07269 45897 22961 49777 25839 13548 01519 75631 78162
 78994 90768 46322 25583 44828 58032 45295 94591 64773 53265
 = = 638 638 50 50 00000

18041 kHz, 03-10, 0500 UTC

952 170 170 60 60 = =
 83649 75330 43047 16197 19836 77815 43216 55676 09933 89360
 94048 14344 20609 03548 39599 68200 85549 32222 31261 10030
 22752 10764 47855 18584 24197 65167 24801 73177 72566 14381
 59552 49629 64697 06336 85491 58485 46465 11106 31474 11472
 88776 19627 09195 27101 59368 21433 95583 11380 70085 59815
 02400 74552 04348 87883 50229 69812 54471 73918 89056 64929
 = = 170 170 60 60 00000

18041 kHz, 04-10, 0500 UTC

952 364 364 50 50 = =
 19410 33816 18290 53496 71754 89433 11070 16916 16824 06491
 14186 18050 32212 41684 29761 35660 27420 96012 05239 94240
 36331 70893 82741 54570 88685 19305 23525 79740 59003 84136
 68471 81370 16383 40928 20555 75673 23614 87200 60218 04087
 59047 45542 29589 98131 59655 72669 46494 93200 08722 91615
 = = 364 364 50 50 00000

18041 kHz, 05-10, 0500 UTC

952 871 871 50 50 = =
00207 32673 40083 65615 76236 71906 26864 28675 17697 11887
99437 01273 61252 92165 11676 08398 85044 44439 02025 17063
73039 08052 39740 11227 08385 90512 96226 92202 94202 65214
02390 09242 25261 23555 77989 49982 58967 23638 43885 45449
59108 02738 53131 69288 10791 45732 01861 35934 29999 26667
= = 871 871 50 50 00000

18041 kHz, 06-10, 0500 UTC

952 436 436 50 50 = =
83527 71734 91080 91232 93296 56162 88307 38641 65912 43089
72163 53933 71937 68603 14474 28140 01077 28959 10156 79093
33681 56840 52202 95513 04923 61002 24087 65564 91342 77729
49910 00825 74437 07552 72613 91600 60993 35642 49300 54531
64841 59357 82735 58409 79727 71332 30602 39167 97986 71583
= = 436 436 50 50 00000

18041 kHz, 09-10, 0500 UTC

952 810 810 55 55 = =
91387 40342 31844 39526 36434 76678 97455 29329 04620 65705
44310 78342 54162 89595 13709 20300 64835 77770 80474 42859
17682 24182 33093 57081 86140 61721 39505 95124 68290 42190
40727 47110 14900 95279 39495 73071 32298 64993 76109 50954
69384 46942 08679 46573 04603 04603 74961 39947 16493 10666
30478 57885 79746 53616 73072 82246
= = 810 810 55 55 00000

18041 kHz, 11-10, 0500 UTC

952 606 606 60 60 = =
36773 45876 01587 68856 62360 08661 24043 95182 21163 23209
17338 65279 64013 95491 80441 60487 49726 28593 49426 26339
03303 13268 32789 23741 94475 99219 59388 02853 80272 27724
91200 36876 17685 63689 27561 61397 54163 16903 55067 42748
63132 88353 22979 23796 15717 02603 48811 40617 12858 12127
88949 50420 94961 99497 36896 50426 40562 77510 87863 64005
= = 606 06 60 60 00000

18041 kHz, 12-10, 0500 UTC

952 340 340 50 50 = =
26968 25344 11839 61838 46754 07385 23024 49921 84177 60684
26200 77991 29533 32691 13465 55836 53217 57689 42734 80526
53060 62208 08558 09262 12305 23669 79053 62784 10414 93168
53641 32792 53900 18384 21261 91795 19363 27496 23774 28859
25915 60094 54218 59645 79199 55989 44627 84229 54169 37870
= = 340 340 50 50 00000

18041 kHz, 16-10, 0500 UTC

952 178 178 60 60 = =
08256 46014 50944 09134 57062 53024 96473 67206 89691 78176
85681 97573 98610 85444 21615 06361 43922 97679 05225 06801
09144 94260 17370 97973 38725 17439 44273 60897 61996 10803
63620 57688 33219 38318 33502 45083 42449 57370 51361 37909
76882 44241 75154 83646 37376 95477 23911 33959 39833 53562
99868 24126 56142 30349 99377 96331 74347 26684 04771 27734
= = 178 178 60 60 00000

18041 kHz, 18-10, 0500 UTC

952 467 467 50 50 = =
26195 96541 36626 22166 17383 65663 66004 77259 80642 54811
45422 89910 57597 87115 40605 14123 20002 05514 62017 56090
43326 84390 41815 52742 67923 79207 07732 99905 0874Z 18802
28344 47399 99528 70057 25158 03199 82376 29620 79948 13880
78714 22356 80782 13510 02508 11228 83181 58189 01711 48296
= = 467 467 50 50 00000

18041 kHz, 20-10, 0500 UTC

952 607 607 55 55 = =
15470 20282 22091 08103 89043 53350 23891 01626 40507 36055
95112 00030 13043 46528 12529 41722 56400 72064 80351 64500
88287 94838 52608 26207 41417 95864 96642 50958 38373 98098
52406 39370 61504 84647 67244 62222 10023 53009 10857 54030
61495 91291 00116 55888 79921 87333 88447 81026 37574 06675
99436 01806 42804 00322 09370
= = 607 607 55 5 00000

18041 kHz, 23-10, 0500 UTC

952 148 148 50 50 = =
31261 38423 09955 39296 34899 34650 53455 29474 53365 85866
08928 28700 83365 27617 89232 51944 07952 91649 10498 41820
85217 68110 96876 61166 54662 56131 27198 95018 90919 51218
65693 73012 59537 42908 44004 48146 74497 21107 86632 92813
22161 14559 97047 98066 01322 09887 46620 87039 34066 24633
= = 148 148 50 50 00000

18041 kHz, 24-10, 0500 UTC

952 307 307 60 60 = =
85567 32360 00704 93555 34587 54190 02409 09272 71283 39112
88391 17061 54593 52380 12838 02384 59447 81809 55621 43580
47445 59889 76613 02199 12235 59426 37680 51696 16788 48668
22030 92964 64754 16836 05627 30103 73087 06001 60323 04883
38130 10249 93440 13350 12338 28067 53443 52976 33841 78889
56424 73835 76021 19744 13077 32204 09302 22926 60843 70049
= = 307 307 60 60 00000

18041 kHz, 26-10, 0500 UTC

952 137 137 60 60 = =
36645 36498 78269 81430 02553 28822 58814 03674 35888 28661
36590 49422 68808 13269 55264 99002 87882 15177 50906 74820
90461 22772 48632 93352 88403 17695 43339 37559 13862 22490
31706 85630 06793 56944 87649 57032 88907 26563 98429 61761
53729 91600 03578 63771 27444 90105 03859 94491 80255 13401
32426 77379 92904 57445 05378 49448 08052 98510 93897 90705
= = 137 137 60 60 00000

18041 kHz, 27-10, 0500 UTC

952 680 680 50 50 = =
48340 60597 39370 27330 95936 99623 29464 01333 27263 81076
52156 48469 14049 84094 80553 96366 79850 28582 99805 73863
59371 15563 27600 07272 48499 21141 02736 56966 56016 98766
15193 61494 92894 69488 76145 81392 60133 04882 51357 59898
21068 32341 06384 42746 69087 17419 37043 24227 26702 02915
= = 680 680 50 50 00000

18041 kHz, 30-10, 0500 UTC

952 143 143 60 60 =
 21929 54465 07257 01697 90960 08232 02713 07460 76533 91685
 56820 56625 87656 34627 12345 59342 31691 31938 09106 16734
 99375 37875 97177 45652 82377 23054 63080 28384 15542 53477
 73648 50730 61047 81024 67254 76899 76632 52865 47094 34660
 35099 77805 56202 09181 87269 09830 38897 69002 85586 34866
 18339 72573 10552 71701 44885 28792 67176 23003 94941 09987
 = = 143 143 60 60 00000

5944 kHz, 06-10, 1700 UTC 382 382 382 00000
 5944 kHz, 06-10, 1707 UTC 61 96060 46427 61856 52755 74275 6983
 5944 kHz, 06-10, 1710 UTC 535 87261 43906 54330 82449
 5477 kHz, 06-10, 1800 UTC 382 382 382 00000

5560 kHz, 07-10, 0900 UTC. Null message followed by a message

171 171 171 00000
 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

5463 kHz, 11-10, 1920 UTC

537 518 518 86 86
 32498 53900 12865 21208 51810 31717 42954 41665 86113 42421
 98900 84532 42814 26690 00343 51926 33664 76712 81624 58500
 54119 10200 37901 42338 15271 63498 61772 54718 32991 84721
 36519 48264 33876 29237 50630 53732 11737 34890 24351 27136
 54373 29890 80740 30012 45123 54819 90601 25934 27579 41734
 53890 72189 41612 91078 01276 53890 03048 42518 53900 02561
 53718 59341 47816 89162 73349 64172 45161 83901 01561 73282
 52400 71098 58512 63901 02074 64570 29078 80829 52727 86241
 53712 63490 82310 20943 57286 61220
 518 518 86 86 00000

5240 kHz, 15-10/29-10, 2300 UTC**5825 kHz, 16-10/30-10, 0000 UTC**

376 263 263 47 47 = =
 24315 75648 95857 26353 17254 73673 18291 29364 18653 29374
 74653 25318 02734 74653 18524 94736 24351 72653 91634 27635
 73652 73654 16253 28361 91872 83652 16243 64783 92763 16253
 25153 73654 28763 92763 53426 93827 16425 38271 93874 28716
 16253 27653 18726 82763 16425 63524 17652
 = = 263 263 47 47 00000

5930 kHz, 20-10, 1700 UTC**5477 kHz, 20-10, 1800 UTC****6990 kHz, 22-10, 0700 UTC**

382 468 468 62 62
 53445 74877 17033 32178 28617 11877 15316 94771 8T980 77122
 58657 84751 26108 26634 25654 45488 49510 95300 94357 34857
 37240 24719 77422 87905 84180 65731 03360 80704 82972 17278
 66794 45416 55109 84977 61479 64422 38561 68899 02009 53431
 45974 00432 84216 37087 94536 53965 80889 53995 81995 03748
 74392 42749 77096 72208 83508 34972 75686 71746 11168 25256
 43002 46271
 468 468 62 62 00000

5430 kHz, 21-10, 0800 UTC / 5560 kHz, 21-10, 0859 UTC

171 613 613 82 82

76251 82420 63321 84762 90001 63191 53772 48291 80345 76619
 37281 44882 00655 27163 85524 04072 74541 73392 56012 31062
 63880 93652 61710 87201 85491 63881 42608 90701 40027 55217
 63381 93671 53122 70436 62117 70239 55411 61901 63888 92441
 53790 84151 39959 00466 72261 84255 05003 77282 56201 60942
 52771 43902 33735 72431 88465 72209 00512 31210 62091 50544
 60011 74109 62420 52883 74507 54637 23110 63908 52260 74091
 52081 43309 70551 10103 40622 82146 70336 42801 63035 62091
 76351 82240
 613 613 82 82 00000

6990 kHz, 22-10, 0700 UTC

382 468 468 62 62

53445 74877 17033 32178 28617 11877 15316 94771 80980 77122
 58657 84751 26108 26634 25654 45488 49510 95300 94357 34857
 37240 24719 77422 87905 84180 65731 03360 80704 82972 17278
 66794 45416 55109 84977 61479 64422 38561 68899 02009 53431
 45974 00432 84216 37087 94536 53965 80889 53965 81999 03748
 74392 42740 77096 72208 83508 34972 75686 71746 11168 25256
 43002 46271
 468 468 62 62 00000

5463 kHz, 25-10, 1920 UTC

537 825 825 53 53 = =

64532 37645 87465 97352 35241 93672 16253 94673 27534 91625
 84673 27354 74653 92673 93863 10923 46537 82635 47653 92635
 37465 37425 26354 81542 93654 97213 27635 48763 87425 63724
 34251 74657 83645 92135 83542 83627 24352 46536 84673 26534
 92534 83564 72431 98354 62435 14231 74653 86546 63523 37647
 73546 53421 26534
 = = 825 825 53 53 00000

M21 + variants - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**4639.5 kHz, 02-10, 1640 UTC**

=1776694657233

=17766946572934

=991938??0????

=17766946572235

=17766946572235

=991939??0????

4628 kHz, 02-10, 1805 UTC

=992105??8????

=992106??8????

=992107??8????

=44743474322?00

6911.5 kHz, 29-10, 1352 UTC

=991651??8????

=991652??8????

4639.5 kHz, 29-10, 1600 UTC

=991800??0????

=991801??0????

M89 - Chinese military

4153 kHz, 01-10, 1722 UTC, i.p.

R
NIL SK GB
GLB2 K
R R
NIL SK GB
KTSJ K K
KTSJ K
R
NIL SK GB
..O. K K
R R R
NIL SK GB

5325 kHz, 02-10, 1221 UTC. i.p.

RPT 8W 9283 9283 K
R RPT 23W 1349 1349 K
R RPT 38W 3965 3965 K
R RPT 41W 8628 8628 K
R RPT 42W 2980 2980 K
R RPT 69W 4370 4370 K
R RPT 73W 4503 4503 K
R RPT 19W 4352 4352 K
R OK
R GA K

4367 kHz, 03-10, 1433 UTC, i.p.

4U76 DU3N 47A5 4UAN A5U3 (Cont'd)
AR
V H. DE U3GR K
V U V HV EEEEE
V HVDQ DE U3GR K
R R Q EEEEE CY ? K
R N EEEEE NR RPT 1P 57W = N6U5 K
R RPT 1P 75W BT .N73 K (Cont'd repeat groups)
R K
.... DE U3GR K
R CY ? K
R RPT 1P 30W = .7D5 ... K (Cont'd repeat groups)
R OK
V SSLI DE U3GR K
R CY ? K
R K
R RPT 2P (Cont'd repeat groups)
R OK
V RBTZ DE U3GR K
R CY ? K
R RPT (Cont'd repeat groups)
R OK
V L8NN DE U3GR K
R CY ? K
R RPT (Cont'd repeat groups)
R OK
V JUO8 DE U3GR K
R CY ? K
R RPT (Cont'd repeat groups)
R OK

V Z87 EEEEE
V Z8Z. DE U3GR K
R CY ? K
R RPT (Cont'd repeat groups)
R OK K
OK K EEEEE SK

4894 kHz, 03-10, 1501 UTC, i.p.

DE DP7591 QSA 2 U ?
DE DP7591 QSA 2 U ?
DE DP7591 QSA 2 U ?
DP7691 QSA .2 ?
DP7691 SQSA 2 U ?
DE DP7591 AR QSA 2
DP7391 QSA 2 U ?
DP7791 QS
DP7791 QSA 2 U ?
82 DP. 82 8
DE DP7591 QSA 2 U ?
DP7691 QSA 2 U ?
DE DP7591 QSA 2 U ?

8301 kHz, 04-10, 0654 UTC, i.p.

T7U6 D5NN N44U T7TU (Cont'd)
AR
K
QSL ..56 K (other station also on this frequency)
R U 7G GA K
MSG GA K
GA
R MSG NR .. CK 1. 1004 ...

9127 kHz, 04-10, 0728 UTC, i.p.

GA K K
7G NR 650U EEE CK 50 21 1004 1520 RMKS 9498 TO 0865 =
NR = = 7766 3434 U73A (Cont'd)
AR K K
NR .R 7G GA K K

4266 kHz, 06-10, 1313 UTC

NR 1035 CK 94 94 94 14 4 94 =
363U 73A4 DUM 5DA. (Cont'd)
NR 1035 CK 94 94
NR 103
NR 1035 CK 94 CK 94 504.1.. 00 1210 1.00 RMKS CQ RMKS CQ = =
6.4T 64A 4. 5DUT 4U36 (Cont'd)

4367 kHz, 09-10, 1604 JUTC, i.p.

DU57 3D37 D7A4 T3U. D56N (Cont'd)
AR K
R QSL 0105 K (Both stations on this frequency)
R RPT K
R QSL 0105 K
R HR MSG GA K
R GA K
R MSG
NR NR 5592 CK 200 58 1009 2330 RMKS 8980 TO 8336 K
R GA K
R MSG 1P = =

10180 kHz, 09-10, 0802 UTC

HR SVC GA
NR 043160 RMKS 9427 TO 6857 =
COMM/1630/XZ758/81/9425/ EEEEE =
COMM/1630/XZ758/81/9425BT EEEEEEE =
COMM/1630/XZO EEEEEEE =
COMM BT EEEEEEE =
COMM/1630/XZ758/81/9425/6857 AR QSL ? HR WK NR EEEE
NR 100
V DKG6 (x3) DE 3A7D (x2)

3556 kHz, 13-10, 1605 UTC, i.p.

NR MSG NR 047 CK 99 .0 EEEEE
R MSG NR 047 CK 99 70 1014 0000 =
763T T34. .TND T36T 4D67 A7D3 6UT3 (Cont'd)
AR QSL ? K
R RPT 57W TO 58W K (Other station also on this frequency)
R RPT 67W K (Cont'd repeat groups)
R QSL 0012 K
R U MSG GA K
R
MSG GA K
R AS
MSG GA K
R GA K
R HR MSG NR 0..47 CK 99 70 1014 0..
DA3U .6D. (Cont'd) AR (Requesting repeats - Cont'd)
R QSL 0020 HR WK NR 00.. EEEEE
R QSL 0020 K
R WK NR 0108 K
R HR WK NR 0023 K
R R HR NIL SK
R NIL SK

5501 kHz, 15-10, 0738 UTC, i.p.

56/ 9955..
K2 AR NR 57.. CK 955 RMKS CQ =
TJDN K 2 AR K
FF NR 08/.. 537 RMKS CQ =
.TDN. 2 AR
NR 08/EX ..27 RMKS CQ =
Y..J ... AR (0738z)
FF NR 0/EX 528 RMKS CQ =
OO EEEEEEE =
J.J/S. AR
NR 08/EX ..8 RMKS CQ =
J.2/.. AR
JG2/SA AR K
= JZ2/DA AR (Cont'd)

4020 kHz, 20-10, 1154 UTC

? 457D DNNA 533D 3455 T46N N374 AN6A D35A (Cont'd)
III = 5N73 .74A T437 TUA5 T6A3 (Cont'd)
AR AR CRT 2P 54WR HR CRT 2P 54W = 4DTA 4DTA AR K
RPT 1P 36W = = T43N T43N AR K
R RPT K
R R
R R U MSG GA K
R R GA K

5454 kHz, 23-10, 1248 UTC, i.p.

4AD3 D3DU 753N TA45 D457 3773 356T TAUD ... AR
HR MSG AGN GA
NR 5647 CK 49 9 08 1024 1550 3663 T0 4973 =
AAT3 A6A5 4U7A 443T 66A5 U3NA T734 (Cont'd)

5725 kHz, 23-10, 0810 UTC, i.p.

17 K K
VVV KK
QSY 5 QSY 5 K K
VVV K K VVV K K
QSY 7 QSY 7 K K
VVV K K VVV K K
QSY 6 QSY 6 K K
VVV K K
QSY 4 QSY 4 K K
VVV K K
QSA 2 K
RPT 56W TO 64W = 465D 4A45 UTAN 3ATA 475A AD65 5776 474U 4T45 465D 4A45 UTAN 3ATA 475A AD65 5776 474U 4T45 AR K
K
R R 7G GA
QSY 17 QSY 17 K K
VVV K K VVV K K
QSY 16 QSY 16 K K
VVV K K
QSY 7 QSY 7 K K
VVV K K
QSY 9 QSY 9 K K
VVV K K VVV K K
QSY 3 QSY 3 K K
VVV K K
QSA 2 K
GA
RPT
R GA
R RPT 30W K K
RPT 51W K K
RPT 76W K K
R QSL 1634 QSL 1634 K K
HR NIL SK GB

4238 kHz, 26-10, 1102 UTC, i.p.

3A5D 6NUN T357 6ADU 45AT 3D67 ...
II = (1102z)
. KUQSA 2 K
REE R KPT QSA 2 IA
RS
R HR KP . QSA ? K
IA RHR .. 5 K
TR H. KP U QSA 2 M K
A R R HR KP .. QSA K
R HR KP U QSA 2 K
R S R U K
R HR MW U Q
NR 1305 K
R NIL
R OK NIL SK
PSE 3UND5U33 E MG EE 7T 3R...
AR K

4610 kHz, 26-10, 1131 UTC, i.p.

RMKS 5074 TO 5056 K K

CK CK

Q Q Q U U 3 3 3 7 7 7 3 7 37373737744566DAU34567 DNT

6226A EEEEE R NIL SK EEEEE

R NIL SK K

KX KKKKKKK FFFF QSL QSL QSL 3V3733337333374A

DR R DE JHG5 JHG5 K K K K K

7G 7G

KU4

= X = GA = G 1N 2/M4B 6/ =

G1N2/M466 AR

= G1N2/M4B5 AR K

V466/Z7H4U AR =

4I V =

V4B6M/EEEE = 6 3333 R = =

V4B6/Z754U AR =

V4B6/Z7H5 AR K

R DE JHG5 JHG5 K

R QSA 2 K

HR NR 630 K

XXX XXX XX R DE R. R DE JHG5 JHG5 M

R DE JHG5 K

50 50 50 50 55

VVV VVV KIUY DE RF3G K

VV KIUY DE RF3G K

VV KIUYA

VV KIUY KIUY DE RF3G RF3G K

R DE JHG5 JHG5 K

R QSA 3 K

R IEC = 6226 AR K

R GA K

R DE JHG5 JHG5 K

R QS EEEEE R QSA 3

VV KIUY KIUY

VV KIUY KIUY DE RF3G RF3G K

R DE JHG5 JHG5 K

VVV K

R DE JHG5 JHG5 K

R QSA 3 K

JHG5 JHG5 K

R QSA 3 K

R = 4897 1 K

R GA K

R QSL 2009 K

HR HR F GA K

F NR 062/EX 2010 RMKS 5074 TO 5056 K

R =

G1N2/M4B5 AR K

VV OIJU OIJU DE JHG5 JHG5 K K

= = E = T = R DE JHG5 JHG5 K

R QSA 3 K

R IEC = 6226 AR K

EEEE R NR AT EEEEE R HR NR NI30 K

R HR WK NR 630 K =

VV KIUY KIUY KIUY DE RF3G RF3G K

VV OIJU OIJU DE JHG5 JHG5 K

R QSA 3 K

12856 kHz, 19-10, 0853 UTC

XSG - Shanghai Radio, clear text weather forecast followed by coded weather in M89/M95-format.

CQ CQ CQ DE XSG XSG XSG

CQ CQ CQ DE XSG XSG XSG

HR STANDARD TIME SIGNALS AND WX AS

HR WX = =

SHAI OBSY SYNOPTIC SITUATION 190000Z

TYPHOON LAN 1721 1721 9655PA AT 15.3N 130.2E MOVING NNW 11 KTS MAX WINDS 74KM EAR CENTER HIGH 10265PA AT 48N 111E MOVING ELY 8 KTS LOW 1019HPA AT 44N 126E MOVING ELY 8 KTS HIGH 1028HPA AT 48N 87E STATIONARY HIGH 1031HPA AT 41N 72E STATIONARY STOP

24 HOUR WEATHER FORECAST FROM 190800Z

BOHAI SEA X CLOUDY X S TO SW WINDS FORCE 5 BECOMING NE WINDS FORCE 7 TOMORROW X SEA SMOOTH BECOMING SEA SLIGHT TO MODERATE X

BOHAI STRAITS X CLOUDY X S TO EW WINDS FORCE 4 TO 5 BECOMING W TO SW WINDS FORCE 5 TOMORROW X SEA .PPLES BECOMING SEA SMOOTH X

NORTH HUANGHAI SEA X CLOUDY X W TO SW WINDS BACKING TO WLY WINDS TOMORROW FORCE 4 TO 5 X SEA SMOOTH BECOMING SEA SLIGHT X

CENTRAL HUANGHAI SEA X CLOUDY X NLY WINDS FORCE 4 TO 5 BECOMING N TO NE WINDS FORCE 5 TO 6 TOMORROW X SEA SLIGHT BECOMING SEA SLIGHT TO MODERATE X

SOUTH HUANGHAI SEA X CLOUDY X N TO NE WINDS FORCE 5 TO 6 INCREASING TO 6 TOMORROW X SEA MODERATE X

SHANGHAI HARBOUR X OVERCAST WITH SHOWER BECOMING CLOUDY X N TO NE WINDS FORCE 3 TO 4 BECOMING NLY WINDS FORCE 4 TO 5 TOMORROW SEA SLIGHT INSIDE HARBOUR X N TO NE WINDS FORCE 4 TO 5 BECOMING NLY WINDS FORCE 4 TO 5 GUST 6 TOMORROW SEA MODERATE OUTSIDE HARBOUR X

NORTH DONGHAI SEA X OVERCAST WITH SHOWER BECOMING CLOUDY X N TO NE WINDS FORCE 6 TO 7 BECOMING NLY WINDS FORCE 7 TOMORROW X SEA ROUGH BECOMING SEA ROUGH TO VERY ROUGH X

SOUTH DONGHAI SEA X OVERCAST WITH SHOWER X N TO NE WINDS FORCE 7 BECOMING NLY WINDS FORCE 7 TO 8 TOMORROW X SEA ROUGH TO VERY ROUGH BECOMING SEA VERY ROUGH X

NORTH TAIWAN X OVERCAST WITH SHOWER X NLY WINDS FORCE 7 TO 8 INCREASING TO 8 TOMORROW X SEA VERY ROUGH X

TAIWAN STRAIT X CLOUDY X NLY WINDS FORCE 8 TO 9 DECREASING TO 8 TO MORROW X SEA VERY ROUGH X

EAST TAIWAN X OVERCAST WITH SHOWER X NLY WINDS FORCE 8 TO 9 X SEA HIGH SEAS X

CHEJU X CLOUDY X NW WINDS FORCE 6 TO 7 INCREASING TO 7 TOMORROW X SEA ROUGH BECOMING SEA ROUGH TO VERY ROUGH X

NAGASAKI X CLOUDY X NE WINDS FORCE 7 BECOMING N TO NE WINDS FORCE 7 TO 8 TOMORROW X SEA VERY ROUGH X

KAGOSHIMA X OVERCAST WITH SHOWER X NE TO E WINDS FORCE 6 TO 7 INCREASING TO 7 TOMORROW X ROUGH TO VERY ROUGH BECOMING SEA VERY ROUGH X

RYUKYU X OVERCAST WITH SHOWER X NE WINDS FORCE 8 BECOMING NLY WINDS FORCE 8 TO 9 TOMORROW X SEA VERY ROUGH BECOMING SEA HIGH SEAS X STOP AR

DE XSG VA

CQ CQ CQ DE XSG XSG XSG WX AS

HR WX = =

TTT6 3ADN 3T4N 6U7U T66N NNAN NDA6 (Cont'd in M89/M95 format)

M95

8954 kHz, 02-10, 1203 UTC

V KB2U(x3) DE 9289 (x2) K

R 9289 9289 DE KB2U QSA 3 QSA ? K (Both stations on this frequency)

R QSA 2 IEC = 1546 AR K

R BT 1... K (Fading badly)

R OK HR MSG GA K

R GA K

R HR MSG GA

MSG NR 028/CCK CK 101 32 1002 2000 RMKS 9289 TO 1464 =

43A7 3A5U 6TUT 7UN4 7D6T DUDU 5N4U 77ND 4TU4A TTTT3 T5A5AU4 (Cont'd)

III = UT63 AR

QSL ? K

R QSL 2.11 K

R HR WK NR EEEEE R HR NR 23 K
RPT K
R HR NR 23 K
R NR 23 K
R OK
NR 21 K
R NI
SK GB
R SK GB

4243 kHz, 03-10, 1150 UTC, i.p.

GA
NR 67 CK 31 35 1003 1605 =
UT5 TT3 3U6 3A4 TTA TTU TT3 773 353 N3D
35U 4TA TTA TTU 773 435 34U N3D 4TN 445
TT3 773 446 34U DA5 N34 445 4D6 3DU N3D
3DA AR
A HR 7G GA
NR 06 CK 190 35 1003 1625 =
UTU TT3 3U6 3A4 7TU 7TA 7T7 73U 33A 336 (Cont'd)
AR

10999 kHz, 04-10, 0705 UTC, i.p.

= A67T 6N3A UN37 (Cont'd)
AR K
R .. CK (Other station also on this frequency but mostly unreadable)
57 57 NR RPT C AR K
R
R QSL K
R U 7G GA K
R MSG NR 2./CCK CK 104 // 0 RMKS ..5. 46 TO K
R GA

4153 kHz, 06-10, 0701 UTC, i.p.

V QWEJ (x3) DE 5RJB (x2)
CW L DE
JBS7 QSA 2 QSA ?
NR
R AS
DE
IU7T QSA 2 QSA ?
R NR
R AS
DE
G.E. QSA 2 QSA ?
R NR
R AS
DE
B7WH QSA 2 QSA ?
R NR
R AS
DE
GLB2 QSA 2 QSA ?
NR
R AS
DE
XZX2 QSA 2 QSA ?
NR
R AS
DE
WRJ1 QSA 2 QSA ?

DE
 7JJK QSA 2 QSA ?
 R NR
 R AS
 DE
 JKG7 QSA 2 QSA ?
 R NR
 R AS
 DE
 WRJ1 QSA 2 QSA ?
 NR
 R AS
 DE
 KTS1 QSA 2 QSA ?
 NR
 R AS
 DE
 7IUI QSA 2 QSA ?
 NR
 R AS
 HR WK NR 115 115
 HR MSG GA HR MSG GA CY HW
 MSG MSG NR 557/CCK CK 99 50 1007 0100 RMKS = CQ AR
 MSG NR 557/CCK CK 99 50 1007 0100 RMKS = CQ AR AR
 HR HR MSG GA = =
 7T4U 6A5T D6T3 7N5U 4A7T 6A4N 3T5A N356 (Cont'd) AR K
 JBS7 K
 R QSA EEEEE QSL ?
 R NIL SK GB
 IU7T K
 R QSL ?
 R NIL SK GB
 G7EK K
 R QSL ?
 R NIL SK GB
 B7WH K
 R QSL ? R QSL ?
 R NIL SK GB
 GLB2 K GLB2 K GLB2 K GLB2 K
 XZX2 K
 R QSL ?
 NIL SK GB
 7JJK K
 R QSL ?
 R NIL SK GB
 JKG7 K
 R QSL ?
 RPT
 R NIL SK GB
 WRJ1 K
 R QSL ?
 R NIL SK GB
 KTS1 K
 R QSL ?
 R NIL SK GB
 7IUI K
 R QSL ?
 R NIL SK
 GLB2 GLB2 K
 QSL ?
 R NIL SK GB

7553//9153 kHz, 07-10, 1312 UTC

BNEC (x3) DE XSV70 (x2) V
HR MSG TO Y PSE PSE CY
NR 924 CK .5 35 1007 1507
UA .. TT7 3U6 3A5 TT4 773 353 (Cont'd)
MSG AGN
NR 0924 CK 75 35 1007 1507
TA3 UA3 TT7 3U6 3T4 TT4 773 (Cont'd)
NR 925 CK 148 35 1007 1507
AA3 UT3 T. 3U6 TTA 773 (Cont'd - 1327z) (Unable to monitor any longer)

10999 kHz, 07-10, 1052 UTC, i.p.

R GA K
GA K
R GA K
RPT 2.W K
EEEE R RPT 20W K
R RPT 39W K
R QSL 1901 K
R R GA MSG
NR 42/CCK CK 99 86 1007 1902 RMKS 17.0 TO 0140 K
R 1W GA = =
T56D 4A7A 445D 4U54 U673 7UN6 (Cont'd) AR K
R OK K
R GA K
RPT K
R GA K
EEEEEE R HR QSA 1 U QSY TO 10 K
VV K U MSG 10W EEEE U MSG 11W GA K
EEEE HR QSA 1 QSY TO NR 16 QSA 1 U QSY TO NR 16 K

9054 kHz, 12-10, 0936 UTC, i.p.

NR 91 CK 19 35 1012 1642 =
UT5 TAU 3U6 3A4 TTA TTU TT3 773 353 U4T
3.. 75. 373 N3D 35U 4AN 445 4D6 3DA AR
A HR UP SB WK

9153 kHz, 12-10, 0948 UTC, i.p.

N3D 447 II 4D6 75. 4D3 TAT ...
7G AGN
NR 940 CK 20. 35 1012 16.0
.. UT3 TAU ..6 (Cont'd)

4243//9054 kHz, 16-10, 1151 UTC, i.p.

AR
MSG AGN
NR 002 CK 17 35 1016 1530 =
5TD UTT TA6 3U6 3A4 353 4T3 U7U N4A 445
3DA TTU TT3 773 436 3D3 .D6 AR
A HR MSG GA
NR 004 CK 15 35 1016 1532 =
UT5 TA6 3U6 3A4 TTA TTU TT3 773 353 N3D
35U 4UT 446 4D6 3DU AR
MSG AGN
NR 004 CK 15 35 1016 1532 = (Repeats message) AR
A HR MSG GA
NR 32 CK 101 35 1016 1650 =
ATU TA6 3U6 3A5 TTU 773 353 U4T 354 4T3 (Cont'd) II 445 AR
MSG AGN
NR 32 CK 101 35 1016 1650 =

UTU TA6 3U6 3A4 TTU 773 353 U4T 354 4T3 (Cont'd) II 445 AR
A HR UP SB WK

4364//8073 kHz, 16-10, 1138 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0946 CK 236 35 1016 1603 =
TA6 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 (Cont'd)

8130 kHz, 16-10, 0826 UTC

V HPOS HPOS DE RTLC RTLC
V HPQS HPQS DE RTLC RTLC
HPQS HPQS DE RTLC RTLC
VV HPQS HPQS DE RTLC RTLC
VV HPQS HPQS DE RTLC RTLC
HR MSG GA HR MSG GA
MSG NR 08/CCK CK 28 46 1016 1640 RMKS 9974 TO 491344378502 = =
A4D6 U5DN 65A5 (Cont'd) AR
HR MSG GA HR MSG GA
MSG NR 08/CCK CK 28 46 1016 1640 RMKS 9974 TO 49144. 478502 =
NUA4 D6U5 DN.5 A.65 6T47 7A7U D44A (Cont'd) AR
HR NR 1040 HR NR 1040 HR NR 1040 HR NR 1040 SK SK

4243//9054 kHz, 23-10, 1222 UTC, i.p.

353 N3D 35U 4TA 447 336 (Cont'd) AR
A HR MSG GA
NR 025 CK 19 35 1023 1632 = =
UT5 TU3 3U6 3A4 TTA TTU TT3 773 35A U4T
353 4TA 447 336 445 4D6 3D3 N3D 3DA AR
MSG AGN
NR 025 CK 19 35 1023 1632 = = (Repeats message) AR
A HR UP SB WK

4399 kHz, 31-10-2017, 1256 UTC, i.p.

4 = = U444 = =
A355 6554
05 M
05 05 05 05
HR CCK TO U PSB OTENNY
= = =
NR .OC125 CLS33 DATE 1031 TIME .957 RMKS CQ 5365 TO 464. TO 5365 / QSL ?
HR MSG TO U PSE NO TE CY
NR = = A.Y. BEZF CN.H DOBP .XCR FADY MFEQ HMFI IPGQ (Cont'd)
PSE PBL GA (Rare 4 letter traffic)
OK 7G GA
A RPT 25W
CRT 2EEEE CRPT 25W = = = = TWV IIII
LL
05 05 05 05
H U34 F65TQ 73
= = U34
05 05
U50.
05 05 0505 05
HR CCK TO U PSE TECY
= = =
NR 05 CK 25 CLS33 DATE 1031 TIME 2.21 RMKS .4648 TO 5365 TO 4648 K III QSA ?
7G GA NOTE CY = = =
UBIB .GJC HAKU DKLW RVMR YKZ. TLET UMJK ONHV (Cont'd)
III QSL ? K
OK = = = XBIB III

OK = = = AFCU ?? AFCU III
OK = = = FHUY III
OK = = IPQV III
OK PBL GA
R F NR
OK MSG GA
R RPT 1W
HR WK NR 621 K
SK SK

UM03 – Chinese X2M net

8320 kHz, 01-10, 0947 UTC, i.p.

BBMWG GEVVB NMNMS IXESE ...
?? HFI . HR FI NR 66633 NR 66633 AL =
LCDTZ EYUQA DANDF APHLI BMXFW (Cont'd)
AR 7G
7G
NR 66... (Fading)
NR 67 .3 =
LYPL LHKMC YDLHV RDW.. (Cont'd)
AR 7G
...3 833 CK 82 82 .=
PPNHN XQUMY UQJAV JHBEL (Cont'd)
AR AS AS
NU TT GA 7G
VVV WJY DE NKO 7G (Cont'd)
NR 7G NR NR .6933 6.933 CK CK 82 82 ZEP ZEP = =
MVMGP AN... WPWVV (Cont'd)
AR 7G
NR 67734 6734 CK 83 .. =
UEQZ. S (Cont'd)

4142 kHz, 02-10, 1302 UTC, i.p.

VVV KPE (x3)DE YEB (x2)
QSA ? K
R B
R DE OK HR 7G GA
NR NR 07 NR 07 CK 58 1A =
2.GPRGJY 4YB. C LZODF ODG.U Y (Cont'd)
AR K
AS
IS I S SSS S S S I I I
SS F F NR . 08 CK 5. = (Horrible CW)

8250//8410 kHz, 02-10, 0849 UTC, i.p.

6473U 4TDUN AR
07 07 CK
100 CK 100 TIME 1548 TIME 1548 DATE 0210 DATE 0210 =
A.. U 435AD ANU43 (Cont'd)

9255 kHz, 02-10, 0814 UTC, i.p.

REDHU MLHKY LHBUH NSRTC DJCDF ...
AR W
GA (Other station also on this frequency)
NR 74847
NR 74847 CK 82.. =
YEFAR DFLBX KATTH (Cont'd)
AR W
GA

F NR NR NR 474 94 CK 8 CK 8. =

ZK..

RRDBJ UTIVF

DVKLF (Cont'd)

8250 kHz, 05-10, 0919 UTC, i.p.

AR

57 57 CK 100 CK 100 TIME 1618 TIME 1618 DATE 0510 DATE 0510 =

7D4AT D5N6A 5U63D UD3AT D4N5U (Cont'd) AR

59 59 CK 100 CK 100 TIME 1624 TIME 1624 DATE 0510 DATE 0510 =

4UAD7 U3NT6 NT657 374NT 4T5A6 (Cont'd) AR

MOM15

CQ (x3) DE X2M (x2) VVV (x3) (Cont'd)

MSG MSG ENG ENG

CQ (x3) DE X2M (x2) VVV (x3) (Cont'd)

MSG MSG ENG ENG MSG ENG

41 41 CK 100 CK 100 TIME 1633 TIME 1633 DATE 0510 DATE 0510 =

3DT6A 5A74D NT576 UNTA7 5A7ND (Cont'd)

9225 kHz, 09-10, 0711 UTC, i.p.

FGWOQ MQMNP ZFSJO ERMBS JIKIV (cont'd)

AR ZZW

49 W .. U

22W RPT K

?

RPT ...

GA

7G NR 45..8 .45578 CK .. = K

=

= M.B.. J (Cont'd)

8410//8250 kHz, 09-10, 0724 UTC, i.p.

AR

09 09 CK 100 CK 100 TIME 1423 TIME 1423 DATE 0910 DATE 0910 =

TWLNC LODFU DGJYA YBQSK TWLNC ODFUX WYNQF (Cont'd)

7920//8240//8410 kHz, 15-10, 0919 UTC, i.p.

AR

77 77 CK 100 CK 100 TIME 1619 TIME 1619 DATE 1210 DATE 1210 =

T6UN5 3DN6U 546UN T6A73 (Cont'd)

8616 kHz, 16-10, 0814 UTC, i.p.

QSL

NR 00222 CK 50 =

TNTGO IVAVC LMQOR ZMTVW QAUNG SCDGX (Cont'd) AR K

VOW HW OGN 37W (Both stations on this frequency)

YEZTEY

QSL

OK

7920//8250//8410 kHz, 20-10, 0905 UTC, i.p.

AR (IP - Machine sent - 0905z)

11 11 CK 100 CK 100 TIME 1604 TIME 1604 DATE 2010 DATE 2010 =

U7D45 D43AN 73NT6 N5A7U 4U5A7 D4T75 3D54U A3UTD (Cont'd)

7920//8250//8410 kHz, 20-10, 0905 UTC, i.p.

11 11 CK 100 CK 100 TIME 1604 TIME 1604 DATE 2010 DATE 2010 =

U7D45 D43AN 73NT6 ...

8250 //8410 kHz, 26-10, 0706 UTC, i.p.

AR

03 03 CK 100 CK 100 TIME 1405 TIME 1405 DATE 2610 DATE 2610 =

BQSKZ KZCFU DFUXM VXMPQ BQSKZ DFUJM (Cont'd)

9225 kHz, 26-10, 0710 UTC, i.p.

QSYUM CXHSC V.OVM ROBNT FVTML OHEBL (Cont'd)

AR W

ILTMI

QSL ... GA (Other station also on this frequency)

NR 9... CK ..= (too weak to copy)

9392 kHz, 26-10, 0714 UTC, i.p.

WRDFT OXIWG WLNXY QWSSD HAEWZ WFGEI UPLVG (Cont'd)

AR W

R NR 49 = =

ACF OFA A =

ACFPS XWWDI OEDYA UZSBO VDXCM (Cont'd)

UM10 - 10-minutes net

3245 kHz, 02-10, 1830 UTC WORZ

7158 kHz, 03-10, 1200 UTC N23E AR. UM10 variant, same format but sends AR at the end

3362 kHz, 11-10, 1626 UTC 6G5Y

3245 kHz, 11-10, 1929 UTC WORZ

5782 kHz, 15-10, 0730 UTC PROD //9125 kHz

DIGITAL MODES

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

M42 – various modes

Russian intelligence experiment with MFSK-16 transmissions, using an extended schedule. The following schedules were found by linkz and other dxers.

0700 UTC - 16336 kHz - MFSK-16/132Bd

0720 UTC - 14579 kHz - MFSK-16/132Bd

0740 UTC - 11529 kHz - MFSK-16/132Bd

0800 UTC - 17461 kHz - MFSK-16/132Bd

0820 UTC - 16279 kHz - MFSK-16/132Bd

0840 UTC - 14894 kHz - MFSK-16/132Bd

0900 UTC - 17452 kHz - MFSK-16/66Bd

0920 UTC - 16309 kHz - MFSK-16/66Bd

0940 UTC - 14953 kHz - MFSK-16/66Bd

1000 UTC - 13375 kHz - MFSK-16/66Bd

1020 UTC - 12163 kHz - MFSK-16/66Bd

1040 UTC - 11438 kHz - MFSK-16/66Bd

1100 UTC - 15847 kHz - MFSK-16/33Bd

1120 UTC - 14526 kHz - MFSK-16/33Bd

1140 UTC - 13523 kHz - MFSK-16/33Bd

1200 UTC - 12184 kHz - MFSK-16/33Bd

1220 UTC - 11145 kHz - MFSK-16/33Bd

1240 UTC - 10263 kHz - MFSK-16/33Bd

1300 UTC - 10165 kHz - MFSK-16/33Bd

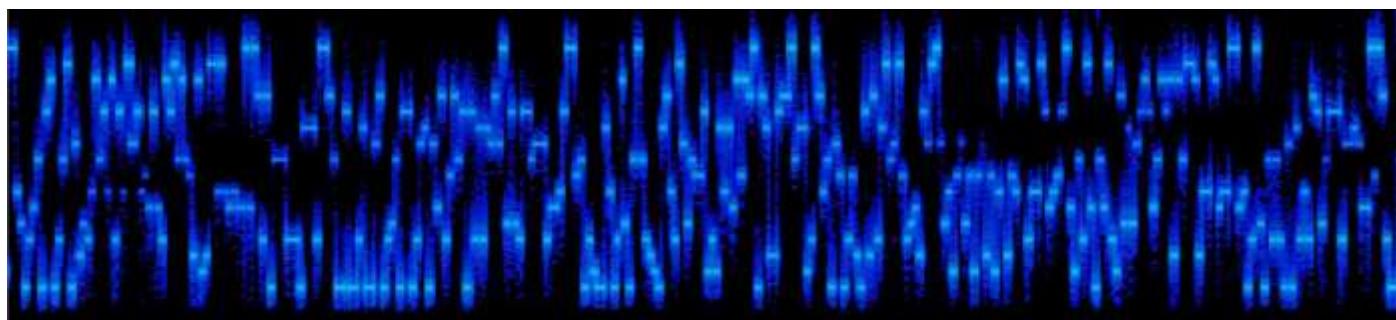
1320 UTC - 9057 kHz - MFSK-16/33Bd

1340 UTC - 8095 kHz - MFSK-16/33Bd

1400 UTC - 7962 kHz - MFSK-16/33Bd

1420 UTC - 7471 kHz - MFSK-16/33Bd

1440 UTC - 6774 kHz - MFSK-16/33Bd



MFSK-16

Logs:

FREQ	DATE	UTC	MODE
16059	18-10	0835	MFSK-16
14894	18-10	0842	MFSK-16/132Bd
17452	18-10	0905	MFSK-16/66Bd
16309	18-10	0921	MFSK-16/66Bd
15847	18-10	1106	MFSK-16/33Bd
7962	22-10	1400	MFSK-16/33Bd
7471	22-10	1420	MFSK-16/33Bd
6774	22-10	1440	MFSK-16/33Bd
14579	23-10	0720	MFSK-16
17461	23-10	0800	MFSK-16/132Bd
16279	23-10	0820	MFSK-16/132Bd
14894	23-10	0840	MFSK-16/132Bd
17452	23-10	0900	MFSK-16/66Bd
16309	23-10	0920	MFSK-16/66Bd
14953	23-10	0940	MFSK-16/66Bd
13375	23-10	1000	MFSK-16/66Bd
12163	23-10	1020	MFSK-16/66Bd
11438	23-10	1040	MFSK-16/66Bd
15847	23-10	1100	MFSK-16/33Bd
14526	23-10	1120	MFSK-16/33Bd
13523	23-10	1140	MFSK-16/33Bd
12184	23-10	1200	MFSK-16/33Bd
11145	23-10	1220	MFSK-16/33Bd
10263	23-10	1240	MFSK-16/33Bd
10165	23-10	1300	MFSK-16/33Bd
9057	23-10	1320	MFSK-16/33Bd
8095	23-10	1340	MFSK-16/33Bd
7962	23-10	1400	MFSK-16/33Bd
7471	23-10	1420	MFSK-16/33Bd
6774	23-10	1440	MFSK-16/33Bd
14579	24-10	0720	MFSK-16/132Bd
17461	24-10	0800	MFSK-16/132Bd
16279	24-10	0820	MFSK-16/132Bd
14894	24-10	0840	MFSK-16/132Bd
17452	24-10	0900	MFSK-16/66Bd
16309	24-10	0920	MFSK-16/66Bd
14953	24-10	0940	MFSK-16/66Bd
13375	24-10	1000	MFSK-16/66Bd
12163	24-10	1020	MFSK-16/66Bd
11438	24-10	1040	MFSK-16/66Bd
15847	24-10	1100	MFSK-16/33Bd
14526	24-10	1120	MFSK-16/33Bd
13523	24-10	1140	MFSK-16/33Bd
12184	24-10	1200	MFSK-16/33Bd
11145	24-10	1220	MFSK-16/33Bd
10263	24-10	1240	MFSK-16/33Bd
10165	24-10	1300	MFSK-16/33Bd
9057	24-10	1320	MFSK-16/33Bd
8095	24-10	1340	MFSK-16/33Bd
7962	24-10	1400	MFSK-16/33Bd
7471	24-10	1420	MFSK-16/33Bd
6774	24-10	1440	MFSK-16/33Bd

FREQ	DATE	UTC	MODE
14579	25-10	0720	MFSK-16
17461	25-10	0800	MFSK-16/132Bd
16279	25-10	0820	MFSK-16/132Bd
14894	25-10	0840	MFSK-16/132Bd
17452	25-10	0900	MFSK-16/66Bd
16309	25-10	0920	MFSK-16/66Bd
14953	25-10	0940	MFSK-16/66Bd
13375	25-10	1000	MFSK-16/66Bd
12163	25-10	1020	MFSK-16/66.6Bd
12163	25-10	1020	MFSK-16/66Bd
11438	25-10	1040	MFSK-16/66Bd
15847	25-10	1100	MFSK-16/33Bd
14526	25-10	1120	MFSK-16/33Bd
13523	25-10	1140	MFSK-16/33Bd
12184	25-10	1200	MFSK-16/33Bd
11145	25-10	1220	MFSK-16/33Bd
10263	25-10	1240	MFSK-16/33Bd
10165	25-10	1300	MFSK-16/33Bd
8095	25-10	1320	MFSK-16/66.6Bd
9057	25-10	1320	MFSK-16/33Bd
8095	25-10	1340	MFSK-16/33Bd
7962	25-10	1400	MFSK-16/33Bd
7471	25-10	1420	MFSK-16/33Bd
6774	25-10	1440	MFSK-16/33Bd
11438	26-10	1040	MFSK-16/66Bd
15847	26-10	1100	MFSK-16/33Bd
14526	26-10	1120	MFSK-16/33Bd
13523	26-10	1140	MFSK-16/33Bd
12184	26-10	1200	MFSK-16/33Bd
11145	26-10	1220	MFSK-16/33Bd
10263	26-10	1240	MFSK-16/33Bd
10165	26-10	1300	MFSK-16/33Bd
9057	26-10	1320	MFSK-16/33Bd
8095	26-10	1340	MFSK-16/33Bd
7962	26-10	1400	MFSK-16/33Bd
7471	26-10	1420	MFSK-16/33Bd
6774	26-10	1440	MFSK-16/33Bd
16336	27-10	0700	MFSK-16/132Bd
14579	27-10	0720	MFSK-16/132Bd
11529	27-10	0740	MFSK-16/132Bd
17461	27-10	0800	MFSK-16/132Bd
16279	27-10	0820	MFSK-16/132Bd
14894	27-10	0840	MFSK-16/132Bd
17452	27-10	0900	MFSK-16/66Bd
16309	27-10	0920	MFSK-16/66Bd
14953	27-10	0940	MFSK-16/66Bd
13375	27-10	1000	MFSK-16/66Bd
12163	27-10	1020	MFSK-16/66Bd
11438	27-10	1040	MFSK-16/66Bd
15847	27-10	1100	MFSK-16/33Bd
14526	27-10	1120	MFSK-16/33Bd
13523	27-10	1140	MFSK-16/33Bd

FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE
12184	27-10	1200	MFSK-16/33Bd	15847	28-10	1100	MFSK-16/33Bd
11145	27-10	1220	MFSK-16/33Bd	14526	28-10	1120	MFSK-16/33Bd
10263	27-10	1240	MFSK-16/33Bd	13523	28-10	1140	MFSK-16/33Bd
10165	27-10	1300	MFSK-16/33Bd	12184	28-10	1200	MFSK-16/33Bd
9057	27-10	1320	MFSK-16/33Bd	11145	28-10	1220	MFSK-16/33Bd
8095	27-10	1340	MFSK-16/33Bd	10263	28-10	1240	MFSK-16/33Bd
7962	27-10	1400	MFSK-16/33Bd	10165	28-10	1300	MFSK-16/33Bd
7471	27-10	1420	MFSK-16/33Bd	9057	28-10	1320	MFSK-16/33Bd
6774	27-10	1440	MFSK-16/33Bd	8095	28-10	1340	MFSK-16/33Bd
17461	28-10	0800	MFSK-16/132Bd	7962	28-10	1400	MFSK-16/33Bd
16279	28-10	0820	MFSK-16/132Bd	7471	28-10	1420	MFSK-16/33Bd
14894	28-10	0840	MFSK-16/132Bd	6774	28-10	1440	MFSK-16/33Bd
17452	28-10	0900	MFSK-16/66Bd	10165	29-10	1300	MFSK-16/33Bd
16309	28-10	0920	MFSK-16/66Bd	9057	29-10	1320	MFSK-16/33Bd
14953	28-10	0940	MFSK-16/66Bd	8095	29-10	1340	MFSK-16/33Bd
13375	28-10	1000	MFSK-16/66Bd	7962	29-10	1400	MFSK-16/33Bd
12163	28-10	1020	MFSK-16/66Bd	7471	29-10	1420	MFSK-16/33Bd
11438	28-10	1040	MFSK-16/66Bd	6774	29-10	1440	MFSK-16/33Bd

M42b – FSK 50/500

6776 kHz, 23-10, 1025 UTC

761 212 23 1000 1842 = 20786 55275 88363 6342 73113 10657 25386 66235 86835 71877

F01 – FSK 200/500

11136/9047/7723 kHz, 04-10/07-10/14-10/21-10/28-10, 1840/1850/1900 UTC

Null message:)5761 00000+++++++162

5089/7337/9481 kHz, 17-10, 1930/1940/1950 UTC

88144 67767 60124 01447 72377 06746 92808 97470 33763 11328
60525 42822 07934 87090 03256 72827 23632 13372 70784 76924
05563 76269 81466 61206 30856 69708 21309 12629 93831 38014
50589 00808 58750 58426 10166 78352 05244 86989 44692 65678
96106 16265 84912 31225 22138 18288 56221 03019 03722 71227
05688 72526 53835 93167 64717 76730 32168 31453 89546 69360
45041 81047 46768 17228 70818 30327 36044 82589 15491 57751
67229 77489 28120 27856 34071 01009 30846 59995 51677 95362
43115 68278 49943 81781 04850 96133 40124 62119 28218 93936
96735 97115 32717 13149 21979 97260 43235 15391 84867 87192
55791 19897 52254 29570 00642 37787 53937 19349 57435 66594
49034 84418 02104 43476 85814 53507 90183 80565 72178 77323
06249 30878 98966 13851 34142 58232 83287 13745 27696 09602
24054 66759 86632 13356 86912 95149 67321 51809 60758 04984
83093 81530 53015 31307 73788 99836 15875 38080 49231 80924
20681 58852 36318 30058 22644 89085 84410 29273 83076 66083
08710 73005 41336 97449 76311 17120 53663 24021 64621 89733
41095 28214 46824 37310 13659 23711 84087 04437 63015 87442
29195 70732 40747 19780 71292 93320 64482 43901 76430 28309
19037 80239 03600 29712 44759 56984 00941 49243 30277 42540
11817 85434 51819 10901 45439 55504 26313 75876 91726 88417
70434 55097 85093 62575 82803 49744 46855 36569 91512 50941
60922 46443 34175 08741 62498 67892 62679 24650 44441 66842
89836 53623 10995 86848 20116 26471 33566 46744 31640 28611
88246 46980 01648 96109 79756 08101 92590 14942 81498 89774
64250 00000

Link 00016 via Cuba

14421 kHz, 10-10, 0100 UTC

Russian diplo/intel. Message

20966/18954/20966/18954 kHz, 20-10, 2230/2240/2330/2340 UTC

11177 00116 56298 20042 01599

85865 17464 48490 64808 57429 26206 76010 67469 26013 95410
02972 54498 60073 49266 34849 51005 48815 27040 09171 25563
14764 14669 97194 17347 43222 60813 27951 75092 70817 88332
89333 81311 00313 37093 85929 60192 33880 99075 58281 92635
42010 31697 93249 86852 10264 60292 80188 77965 31037 05702
92602 55060 32532 97882 99983 39100 62128 61501 39507 60173
66333 84432 02279 07483 34496 05107 13826 50533 98491 79642
13507 54944 05535 14704 62542 41332 06339 77010 35333 60693
25785 15457 73784 84732 08303 56756 09292 34563 55144 60564
82097 96231 95739 45007 12694 96495 60326 18562 04968 37283
46026 79222 85768 12293 93577 66879 10594 54156 16890 79875
90066 85602 52628 91643 16913 73063 21996 28386 98104 06163
21914 93731 21874 51517 87785 51293 14269 54294 95028 01081
64959 85956 91560 10693 26958 61642 78439 87236 19960 75606
80819 00909 91983 28168 76447 96164 18997 42599 73843 51432
47221 95391 57396 73297 07798 08342 41530 42157 00000

F06 – FSK 200/1000

Link 00052

13546/11535/9256 kHz, 03-10, 1500/1510/1520 UTC

11166 00052 01234 03056 00049 00000 00000 00000 00000

13546 kHz, 10-10, 1500 UTC

11166 00052 84259 10057 00049 00000 00000 00000 00000

20018/18325/16248 kHz, 11-10/12-10, 0800/0810/0820 UTC

11166 00052 37495 08019 02069

19350 16118 40859 22078 20077 74803 64497 40426 42459 66285
09385 97356 43712 15551 14250 54503 60225 31531 07912 28271
53437 35858 33050 05374 19016 06818 91510 66706 34661 94926
49904 02468 51477 72360 73815 53585 16986 79739 16721 04741
24640 29685 35918 60077 16536 79114 80981 95064 18663 73353
71631 31252 09951 22893 73429 51945 62257 38045 23787 63885
37907 41788 96596 99627 47006 76480 68232 73502 35350 08706
96123 30074 59175 64196 99037 02673 03004 67813 89487 97014
00116 48518 01832 89207 22033 51011 71234 71629 57455 65343
64329 74750 17944 25187 95433 27676 08426 73463 79853 98243
60971 85750 93042 98434 23700 90244 80521 72059 18465 04907
70517 11801 20482 97388 98519 67835 58043 04467 30344 51950
81522 12535 08434 07204 09212 63755 34115 53447 78369 84480
60133 06816 55585 81920 19163 82790 25280 02025 15693 36333
01101 69424 05732 13396 15294 87619 60346 53057 11647 69470
50744 09765 61537 02240 99002 29682 76711 83401 17275 09629
58989 42196 89645 01481 19925 16819 42007 97451 08199 09491
27891 68163 12564 84193 95668 45472 97069 09711 40359 89792
11594 79580 78800 01091 77246 84301 10721 54122 17832 27245
45991 16037 58242 21049 90243 86747 97963 68246 19580 39292
80163 43649 24414 04111 19204 00000

11166 00052 86451 08020 02129
33430 16118 40859 22078 44157 74803 64497 40426 66539 66285
09385 97356 61184 41656 92543 62208 69814 39465 94302 79321
24066 61602 33297 29196 95086 42774 51994 17418 65032 54864
27789 31438 68763 31557 65564 68574 10784 21977 66589 51736
24736 76838 95988 48509 87687 29973 54454 37701 30081 92282
85647 07230 59600 57845 62817 16894 24672 55949 72096 90618
83092 01044 54070 30296 14704 54048 77608 55400 76906 73246
31172 33932 25980 24689 07300 17672 27810 09839 00507 02794
39449 87211 17182 99250 44590 92887 02409 04913 34801 20176
46759 86526 11662 16969 04014 19993 49612 30766 30772 10224
14264 87370 99910 31519 43351 76359 81256 09525 24971 45971
41614 12928 81410 28668 52761 74961 25376 72211 05336 91245
51612 42779 22624 08646 14866 92282 48164 23792 36352 40175
48572 93171 57211 24978 60401 64537 19925 58738 35224 27554
41434 26804 91357 58541 40212 96355 02733 35612 13491 19260
84767 29792 79654 48650 50273 33462 88508 70460 43508 04727
82156 29037 26660 53048 46311 81818 45810 26148 01552 52943
32243 40565 53946 35520 55243 88622 82433 56156 66050 61091
56582 94062 14725 24253 65383 43887 27399 92615 62054 86997
88786 50950 13485 66016 20703 98955 51434 21963 74320 78973
40550 59129 54815 51931 00356 52411 81466 32170 48372 10497
20210 00000 00000

13546/11535/9256 kHz, 17-10, 1500/1510/1520 UTC

11166 00052 64018 17048 00049 00000 00000 0000 0000

13546/11535/9256 kHz, 24-10, 1500/1510/1520 UTC

11166 00052 57201 24063 00049 00000 00000 00000 00000

20018/18325/16248 kHz, 25-10/26-10, 0800/0810/0820 UTC

11166 00052 14683 24021 01749
44490 26134 41856 22078 55117 84829 65494 40426 77599 76201
00382 97356 59417 83082 93017 87223 98371 43834 29347 32388
17198 42318 61901 42897 83670 70678 74802 25469 74597 50683
84904 79879 44381 23260 97714 44015 98873 39733 34762 18760
32324 39556 73454 73913 10161 63294 46365 88691 53667 91973
00630 20845 14839 71585 73900 80798 75693 67010 01776 96339
41843 68644 74794 83343 76088 83299 24838 72710 12385 48056
37111 30529 13561 99903 11526 58583 58297 83977 04703 26833
38696 20888 65144 09098 15168 43491 08301 09113 28058 73852
60358 47615 59188 24005 33524 19058 33217 25061 22535 09322
19578 94059 79134 31870 53446 11001 02789 04686 18071 75367
49596 87693 23946 01135 74148 82300 58296 95039 68039 34790
09252 90036 23847 48707 45369 81715 97623 71332 03347 50221
30114 64895 62688 11521 34353 34596 08157 79092 51996 85399
19498 44597 74015 48032 03197 08835 74888 71231 78429 60686
10011 18285 09733 91836 67409 67598 53205 27392 15955 39583
74488 04947 96409 23575 29270 36385 16924 23405 81864 27744
21567 44390 21172 00000

13546 kHz, 31-10, 1500 UTC

11166 00052 64018 31048 00049 00000 00000

Link 10031

19476/17458/15884 kHz, 11-10, 0915/0925/0935 UTC

11166 10031 91735 11001 00049 00000 00000 00000 00000

19476/17458/15884 kHz, 25-10, 0915/0925/0935 UTC

11166 10031 56248 25001 00049 00000 00000 00000 00000

Link 10053

12189/10734/9129 kHz, 01-10, 1530/1540/1550 UTC

11166 10053 17935 01062 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 03-10, 1650/1700/1710 UTC

11166 10053 19375 03001 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 08-10, 1530/1540/1550 UTC

11166 10053 07814 08062 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 10-10, 1650/1700/1710 UTC

11166 10053 13579 10001 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 15-10, 1530/1540/1550 UTC

11166 10053 56248 15001 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 17-10, 1650/1700/1710 UTC

11166 10053 35791 17001 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 22-10, 1530/1540/1550 UTC

11166 10053 37201 22001 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 24-10, 1650/1700/1710 UTC

11166 10053 13579 24001 00049 00000 00000 00000 00000

12189/10734/9129 kHz, 29-10, 1530/1540/1550 UTC

11166 10053 35791 29001 00049 00000 00000 00000 00000

12215/10814/9046 kHz, 31-10, 1650/1700/1710 UTC

11166 10053 95472 31001 00049 00000 00000 00000 00000

Link 40122

19268/17548/15779 kHz, 04-10/05-10, 0600/0610/0620 UTC

11166 40122 30148 30041 03469

78572 01188 92732 12541 95766 26598 48122 86958 34005 42568

22082 78369 54503 39136 59599 60715 46970 39830 28185 95942

18083 37766 67135 24055 60518 34588 50949 23977 75994 49418

02854 24895 50759 90019 19352 72784 06942 03351 91754 81789

78236 47703 35616 25167 83333 53609 64019 45452 95539 65702

65645 88566 32032 82733 73566 91527 11172 37902 35700 78464

51336 86723 22856 44620 09669 94593 35326 33028 84232 41249

93941 33560 27963 84313 26540 59009 47882 49108 85781 77932

88003 36926 59252 08896 19365 68942 57786 05851 85625 07963

92950 89303 77670 25192 79627 02976 35659 04204 24629 00634

01943 99312 87290 92792 73306 90519 22967 07963 25967 02234

45381 48134 11752 77950 68759 43196 48919 28069 15680 33954

56032 93048 01597 38464 02352 89077 31945 81346 73153 28458

72793 90773 73439 31876 80966 92826 18457 74757 04571 57901

84471 34897 89876 78848 18238 33539 55481 85546 28591 87104

19697 25581 08612 11750 92093 65729 61790 47949 65147 93929

30634 97275 66918 26434 51152 88583 60701 49812 81661 15775
02591 52515 79339 14322 92887 25679 22975 68767 82297 37841
05342 68350 18847 13289 43645 52972 46461 68692 81464 16687
91137 87734 80647 60887 95661 38413 26572 14396 88786 62710
95232 62630 99825 93306 55579 53045 54598 77038 05543 69024
13649 09784 65194 89420 38706 12447 75474 75930 98279 02764
75912 55483 48379 42583 59803 89838 49247 65322 30254 49582
04077 13297 05547 34699 30640 39587 47260 08917 01753 54158
09580 40010 15539 18890 33235 63244 81408 21234 32506 10155
32695 81162 48735 69844 01900 71108 68773 74986 19458 53584
31814 29727 21991 66158 73038 21664 80957 08486 77514 85096
87660 11077 42789 07737 55533 90491 73609 98059 25653 20645
57208 55485 86412 74920 92595 10587 43287 18758 72289 27500
99642 57435 39932 85726 34508 68695 72208 83523 88267 74940
58537 30060 92191 34648 76937 18532 02761 57729 89530 97419
26703 74486 06112 82076 47702 12884 89219 73842 90695 63791
99150 78861 84709 38923 02349 43788 10171 51121 91618 50587
41619 71702 91586 37593 21780 44537 47850 39033 27911 61557
23270 60188 16380 29377 41344 00000

19268/17548/15779 kHz, 11-10/12-10, 0600/0610/0620 UTC

11166 40122 98732 07042 03029

00564 04445 42347 86370 14237 93215 15856 40371 07444 29842
24908 79984 00988 93616 17312 75957 82183 63955 79375 81008
95447 42117 88274 10380 38853 02716 13337 67034 83820 60946
95943 59904 60154 66476 62732 88658 73581 59935 51785 93393
48012 52938 56500 92723 09686 17577 16811 58669 55404 96332
12478 01812 72031 68324 38095 65132 99451 32851 64546 49985
54172 96149 16553 22630 55754 72321 21036 74777 23273 34347
05961 36569 33973 76143 54364 65439 61327 71589 43232 59290
34671 41463 21944 67427 87613 64229 09940 97678 87396 91604
18327 43149 62406 54856 25089 77036 70016 72750 58603 88953
71941 97103 69141 61193 09310 56869 93048 08371 94621 86696
39288 28881 62795 50898 53026 41611 48480 98764 35973 06346
81823 12170 28132 51300 19891 31390 80669 56218 55908 70093
74591 64475 73531 55417 64897 22626 38316 54086 54915 70824
43590 70503 30502 32567 52899 27749 08790 77183 06231 67426
81174 53524 82184 29298 55228 18273 33301 96637 25227 07330
36708 18246 25973 23694 27296 43066 49615 40288 05598 28330
30137 41166 37565 07178 25212 49535 88417 26691 50108 16027
57776 92272 43332 65666 08243 79306 68696 26966 04628 98045
83502 91591 06007 22664 27528 78022 77803 20390 12490 97662
16077 41697 16699 46825 01193 57449 14569 73035 23097 53963
95673 89085 45342 21924 53051 33287 00074 00073 45427 99339
31172 59628 63055 84282 27708 40365 51852 27938 14936 74290
75531 42298 94982 57848 20401 54294 54432 58610 72533 10379
80999 67365 21985 16368 56463 31564 73745 10964 18066 31038
70126 96415 05549 81956 54252 74747 36029 79933 29354 62979
73884 18231 93561 85801 87860 42004 54852 69125 12555 24516
55882 82940 56496 76260 63357 06943 23991 22937 01645 17337
42920 13206 35311 18281 15687 42169 30274 66390 35498 01512
04162 64220 19963 17258 28325 89929 70937 74027 70370 34812
42300 00000

11166 40122 12365 07043 02909

48254 61745 35156 92238 54214 03846 60567 60950 41477 35936
86142 45583 04202 26158 14273 41573 11918 58942 26085 24352
65788 35109 75647 89141 41310 04084 44824 93962 47115 76680
00956 16806 54584 91902 24567 62904 77936 36163 99273 83033
09511 38407 81092 88793 39892 89528 89326 75791 17604 59562
86220 90680 28030 11047 37577 02975 96265 32033 71514 67599

43582 37149 77557 89085 52189 10175 13248 23378 17988 86551
10460 78164 96001 99277 98613 97687 68165 36617 86967 42966
88167 85059 73183 03354 83034 55975 70344 00396 16133 19402
69621 69903 41293 93388 80768 33183 02728 62351 17642 93374
60440 22869 20921 17814 45812 80354 35225 92372 77046 45046
82818 58709 89173 00753 01073 70368 58280 44786 35901 28658
24679 22527 08322 84259 44680 05055 96367 15492 25670 83283
99505 19172 24178 77036 77764 75017 11613 82502 82762 69513
37374 06504 22814 90196 43997 61026 29301 26282 14058 16432
16510 36577 53482 36805 52107 70618 40985 45866 80447 53967
98298 96884 65904 73607 60896 45039 48408 24372 53892 45651
28371 02342 02796 26739 23202 56166 33829 09325 62592 32216
43470 73927 14748 74531 41936 96697 60778 65489 00265 03603
59409 18130 55708 16131 69221 56085 55106 86921 20586 42036
40947 48792 54508 40649 09776 25564 70543 26918 97668 78153
50982 75853 72433 84350 53501 94462 37245 75726 89449 81947
75388 80109 29972 29061 90806 43060 07147 92568 24129 26795
02341 05735 48888 09981 38947 10792 77588 36853 21709 24314
32331 89084 89820 71438 59674 78841 75972 49873 94425 86478
88549 09628 02038 91290 59162 59404 54314 68775 22688 35583
18099 52829 22031 94749 61640 86332 54769 15686 08322 08544
03885 21781 92442 52748 19769 59781 96734 52602 45673 95829
76307 80600 03818 14731 98704 67115 84323 33367 43288 00000

19268/17548/15779 kHz, 18-10, 0600/0610/0620 UTC

11166 40122 13467 18063 00049 00000 00000 00000 00000

19268/17548/15779 kHz, 25-10/26-10, 0600/0610/0620 UTC

11166 40122 48523 21044 03899
17250 19555 26675 03860 40684 19282 09478 95630 73002 71527
40685 85072 04721 40084 70299 52349 62422 61648 75718 29052
02084 81210 82454 20554 14608 48485 90035 54248 60760 61313
32760 02098 77678 66975 30014 50943 24152 57351 05815 19002
56865 18863 82294 41992 54780 23145 76777 77328 33847 69372
57181 99817 19249 14182 35387 87296 67333 50140 03293 19652
54458 18670 41236 39649 74903 68397 53454 49026 15063 94841
10297 38268 96089 22394 01852 73517 02184 14512 32694 89045
36715 23083 12428 58736 73367 12879 21725 44998 94480 22048
58530 48571 33800 44580 94137 07634 65797 45683 93811 19680
08766 46000 81650 84571 33874 35623 54375 92234 97358 03820
73728 03408 38056 95424 92177 96907 07445 29826 91604 81829
24406 43491 39672 98121 71869 41961 93553 53989 77544 72257
05712 73536 45922 51633 11417 53114 33733 13617 02694 49790
86046 57268 18375 50380 75209 10604 04963 94496 09799 44113
27971 50024 05780 95317 38453 64484 37063 90292 24383 40713
07644 73108 01593 10290 12507 79113 23949 03161 79490 13004
17450 36895 09298 17619 67940 73996 55831 44389 17129 20729
14060 61393 46585 65879 07582 59937 54422 82900 93087 45617
54338 43869 23904 24787 51708 18697 39805 22372 76412 58039
75287 91974 77097 83322 03478 04195 06543 32348 57886 24114
52833 33893 99171 13880 96016 09754 19109 21322 94939 27674
98966 40540 33945 53581 64448 55405 84120 76579 04418 01906
58784 05140 45572 10283 67903 57908 00264 12882 01114 97591
29654 28670 94046 81339 89387 60350 57652 26068 49967 65007
75180 12172 09032 84228 96540 74035 37712 44639 84706 50818
28255 64772 93856 95914 35108 29244 83948 68549 26645 16129
01396 55945 89725 88515 80552 99481 54277 86143 45687 23307
30076 78089 18128 88821 72930 62413 58274 23483 22443 23725
97154 97359 78542 84592 37232 45879 08972 11737 27125 62207
04924 62948 39946 07690 27005 85668 09945 13797 08721 03162
07131 74016 09667 49228 54582 49117 35620 37386 18108 34235

67700 75465 22967 61209 67815 61549 77325 34611 52551 22202
07136 24905 52716 78912 32133 67168 00709 53710 37631 38824
12910 49868 21806 14806 59285 68645 23154 23612 37371 48001
57818 52666 92856 34221 21458 76437 53922 22389 35365 05751
71547 26643 41498 81726 82948 66158 76137 62786 40364 77786
76832 78162 72351 91291 02346 46346 69786 28127 70266 81922
13769 09677 41991 39213 87597 85918 09754 44387 00000

Link 40133

22963/20461/18356 kHz, 07-10, 1500/1510/1520 UTC

11166 40133 91735 07001 00049 00000 00000 00000 00000

22963/20461/18356 kHz, 14-10, 1500/1510/1520 UTC

11166 40133 13579 14001 00049 00000 00000 00000 00000

22963/20461/18356 kHz, 21-10, 1500/1510/1520 UTC

11166 40133 13579 21001 00049 00000 00000 00000 00000

22963/20461/18356 kHz, 28-10, 1500/1510/1520 UTC

11166 40133 56248 28001 00049 00000 00000 00000 00000

Link 50046

16174/14855/12214 kHz, 01-10, 1100/1110/1120 UTC

11166 50046 13859 29010 00729
36669 59096 96903 40530 93736 43601 51196 63673 31884 00182
74902 82228 22537 76271 44061 10168 32260 31043 01515 77412
06451 83208 73797 52406 86109 27860 37250 72438 72981 72464
35173 23833 22253 22226 68463 56018 98962 20536 69022 24538
30774 14248 29462 37793 40231 77664 02803 67011 25938 62538
42696 64527 33034 53992 31909 97593 94683 81161 25673 13856
40500 68702 75404 03104 49912 19958 71915 78916 55648 33281
10070 00000

17423/15628/13385 kHz, 07-10/08-10, 1100/1110/1120 UTC. Two messages

11166 50046 79314 06011 01549
47879 19073 97903 40530 04946 03688 52196 63673 42094 60169
75902 82228 26379 97634 02375 99660 37378 67323 64048 02918
22031 96338 08713 34547 11985 20206 26857 83829 72869 64705
78690 97823 64435 39534 17466 47897 02784 71722 46605 43190
49391 66289 14896 18298 27052 79013 02822 48372 98686 55256
58288 20675 41815 09000 46650 38247 59811 70208 50166 08921
90460 99436 68075 38835 34509 63941 85091 80077 25065 66201
53288 48904 17680 86721 52249 68877 03392 65454 77658 96173
45113 71832 86451 05433 22962 43244 80891 76317 17251 65770
81831 53076 37983 14224 31572 18217 35034 03532 65838 94904
03644 39877 49218 16693 67726 82377 52253 40477 25718 19942
20177 16111 32378 77120 28568 34823 33944 60414 87081 44394
99032 69442 10514 61877 77203 97376 65705 13602 61844 53712
70549 52056 41030 80439 72013 14276 98105 71923 65484 57241
25420 65176 21477 89349 60195 68128 07995 28637 10560 87309
41919 61741 11152 00000

11166 50046 93175 06012 01109
51899 19073 97903 40530 18966 03688 52196 63673 56014 60169
75902 82228 03965 48588 41267 86655 30146 41482 06632 00776
35595 86487 10177 27366 92278 40355 29019 11957 25295 61919
26487 81887 64266 88492 19253 85668 98306 52054 67500 93701
34576 92179 97999 69662 14822 56548 34460 70041 18582 65226

91905 70663 63964 69724 37844 78532 91075 58157 57626 12704
58323 74643 08157 27487 17142 92128 56572 42052 49649 38077
79808 90547 74906 65022 58865 77320 60491 32408 90726 35954
45395 91241 41531 96608 36634 07045 58406 54319 83108 27054
99555 31191 57221 19927 89176 90215 44022 63303 20106 82710
00232 39622 94527 57657 39974 18405 29746 61970 12108 00000

17423/15628/13385 kHz, 14-10/15-10, 1100/1110/1120 UTC

11166 50046 37812 13013 00849
17529 99080 97903 40530 74696 83695 52196 63673 12744 40176
75902 82228 07730 55447 97193 77913 77667 68392 40038 51211
53607 78334 27023 98669 85601 70478 34493 60522 12457 39219
83640 43238 83694 00970 35865 10845 25515 91437 79640 36948
41562 19101 40749 29309 60485 04579 04972 21009 30642 22644
42291 81506 42737 51860 37562 94680 66942 93978 00685 36792
09858 63655 57083 21598 11538 31868 17019 11164 49157 01595
73429 81511 89459 55824 36254 49399 93113 74397 17583 85069
54095 18541 30820 00000

17423/15628/13385 kHz, 21-10/22-10, 1100/1110/1120 UTC

11166 50046 32197 20014 01569
44898 39097 97903 40530 01965 23602 52196 63673 49013 80183
75902 82228 34988 45852 84388 78275 26932 63432 56266 70889
54658 08371 14107 38142 20205 30780 36240 42383 68503 69302
01927 46390 06140 48958 33311 80793 35432 62697 46715 98395
23953 33644 29427 90369 54213 56039 70475 50142 39044 22991
00687 11943 67417 96577 30087 53624 06598 19780 98419 18029
96039 12000 23510 14602 43431 75185 21226 83988 60101 28750
38604 09510 68961 19879 20176 54593 52173 34567 57027 31362
34586 66283 78470 82163 42203 35276 42723 31313 90470 95227
11135 98087 71854 79093 17152 20851 16457 71477 11073 69707
89987 52191 57603 14280 71468 67924 43800 62773 20658 15917
71610 10587 18937 88107 59761 58243 21907 35801 57246 72184
13005 53928 92552 46685 78710 82332 96278 35464 50537 80947
65428 21598 91047 47558 19611 30878 91458 78723 38611 21441
69886 11962 79986 35442 74357 43701 77705 66601 99812 18068
85957 96072 18235 42547 14154 00000

17423/15628/13385 kHz, 28-10/29-10, 1100/1110/1120 UTC

11166 50046 31945 27015 00449
35069 99094 97903 40530 92136 83609 52196 63673 30284 40180
75902 82228 78968 13020 00019 88081 05135 46368 21963 24343
84128 68768 14161 61938 20126 59556 44643 66003 44579 05760
95148 06466 44656 46677 76581 32870 27360 79794 90861 46621
37697 44324 15042 00000

Link 70004

18919/16268/14486 kHz, 14-10/15-10, 0900/0910/0920 UTC

11166 70004 63892 13099 02599
29317 67843 38418 85494 81973 69763 17536 88617 51472 88613
96276 87880 05621 56388 20034 67522 75115 55962 24157 54501
90186 08877 29851 63698 25211 17545 21557 04875 76233 72376
98118 33153 42601 95403 85584 21158 53560 54259 20991 30151
24360 13725 89962 66781 42926 72373 34300 82420 36655 30759
48020 48628 60878 92468 75129 17387 78473 15985 49028 68331
91520 41721 57063 16118 40035 55244 76853 01819 97326 28962
75617 95511 66813 57547 62370 40446 75241 30463 23336 65803
38362 07611 82305 53672 96573 59750 14630 61228 00778 37575
07289 71827 36873 46279 46501 59965 27075 45223 67848 16795

79000 52367 46242 04542 35982 12609 99490 50184 68941 82221
34175 25093 67595 10423 68166 46401 30145 06530 17719 41176
73937 51151 05727 49258 52249 32683 30915 72018 04309 87729
81425 71869 73317 87790 42676 16488 56255 17505 94763 79807
30905 30927 01975 31457 61115 77246 99765 31455 14866 49645
33996 65561 33204 99527 67709 24789 30822 00283 44607 35627
22596 30732 04789 38412 14419 18972 15751 91407 78791 00940
74380 53215 32949 27575 16832 83012 96579 22335 48498 57377
43207 76538 79213 81313 47688 08410 94715 25856 26612 65058
97180 46437 25828 54688 91220 58736 34128 60830 00773 29686
32969 70079 15461 44286 06964 63098 51947 69337 01675 03659
97973 10530 70846 35893 89739 65716 05121 32569 01745 93853
26575 37839 37647 25083 92363 75150 72372 39062 94927 66139
92190 53061 98201 54009 35494 43634 32513 39124 78413 27259
71655 83624 38603 27880 05963 43649 47336 58864 62966 63226
80565 29521 84146 36240 90113 01730 60763 99257 00000

18919/16268/14486 kHz, 28-10/29-10, 0900/0910/0920 UTC

11166 70004 63892 13099 02599
29317 67843 38418 85494 81973 69763 17536 88617 51472 88613
96276 87880 05621 56388 20034 67522 75115 55962 24157 54501
90186 08877 29851 63698 25211 17545 21557 04875 76233 72376
98118 33153 42601 95403 85584 21158 53560 54259 20991 30151
24360 13725 89962 66781 42926 72373 34300 82420 36655 30759
48020 48628 60878 92468 75129 17387 78473 15985 49028 68331
91520 41721 57063 16118 40035 55244 76853 01819 97326 28962
75617 95511 66813 57547 62370 40446 75241 30463 23336 65803
38362 07611 82305 53672 96573 59750 14630 61228 00778 37575
07289 71827 36873 46279 46501 59965 27075 45223 67848 16795
79000 52367 46242 04542 35982 12609 99490 50184 68941 82221
34175 25093 67595 10423 68166 46401 30145 06530 17719 41176
73937 51151 05727 49258 52249 32683 30915 72018 04309 87729
81425 71869 73317 87790 42676 16488 56255 17505 94763 79807
30905 30927 01975 31457 61115 77246 99765 31455 14866 49645
33996 65561 33204 99527 67709 24789 30822 00283 44607 35627
22596 30732 04789 38412 14419 18972 15751 91407 78791 00940
74380 53215 32949 27575 16832 83012 96579 22335 48498 57377
43207 76538 79213 81313 47688 08410 94715 25856 26612 65058
97180 46437 25828 54688 91220 58736 34128 60830 00773 29686
32969 70079 15461 44286 06964 63098 51947 69337 01675 03659
97973 10530 70846 35893 89739 65716 05121 32569 01745 93853
26575 37839 37647 25083 92363 75150 72372 39062 94927 66139
92190 53061 98201 54009 35494 43634 32513 39124 78413 27259
71655 83624 38603 27880 05963 43649 47336 58864 62966 63226
80565 29521 84146 36240 90113 01730 60763 99257 00000

Link 70048

19448/17503/15619 kHz, 04-10, 0800/0810/0820 UTC

11166 70048 35789 04045 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 11-10, 0800/0810/0820 UTC

11166 70048 12345 11003 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 18-10, 0800/0810/0820 UTC

11166 70048 12345 18057 00049 00000 00000 00000 00000

19448/17503/15619 kHz, 25-10, 0800/0810/0820 UTC

11166 70048 09451 25010 00049 00000 00000 00000 00000

Link 70059

9354/7956/6774 kHz, 02-10, 0400/0410/0420 UTC

11166 70059 17935 02019 00049 00000 00000 00000 00000

Link 70147

14986/12219/10574 kHz, 14-10/15-10, 0800/0810/0820 UTC

11166 70147 36814 13067 01289

86345 43199 92678 58128 62911 23976 85470 94306 78705 17307

80734 84902 01363 41881 47791 37528 60526 42724 64758 72334

09562 81659 90465 84039 48099 86797 05386 34664 67104 13794

98503 40981 20750 98621 52157 80232 18088 16734 63268 05822

76563 08812 44550 98336 79776 33542 10455 71604 34303 59658

28761 63593 46740 30865 92762 87630 41486 67754 73549 45121

85408 78262 94337 58824 61442 90502 31973 30404 46553 11477

82242 43562 51709 85965 85313 23278 00773 86779 55590 89727

45735 47478 49196 32620 61824 25567 77381 02945 10329 87394

84579 35246 21054 16265 21698 30609 88741 27383 69371 53111

71184 75848 04330 40464 92755 19295 42547 12745 44079 00979

83803 83659 38705 63432 33560 92043 13252 56494 59543 94993

79921 24227 88730 07704 86534 97980 67126 00000

14986/12219/10574 kHz, 28-10/29-10, 0800/0810/0820 UTC

11166 70147 12759 27068 00369

41815 43103 92678 58128 27481 23980 85470 94306 33275 17311

80734 84902 24140 20622 71420 18234 33884 32009 87641 53472

99517 63509 54043 97637 37439 73133 57692 68704 06479 08655

06740 14838 92444 32373 68034 00000

Link 80214

13376/11108 kHz, 12-10, 1340/1350 UTC. 1330 transmission not found

11166 80214 15937 12056 00049 00000 00000 00000 00000

15607/13376/11108 kHz, 19-10, 1340/1350 UTC

11166 80214 15987 19022 00049 00000 00000 00000 00000

15607/13376/11108 kHz, 26-10, 1340/1350 UTC

80214 15987 26008 00049 00000 00000 00000 00000

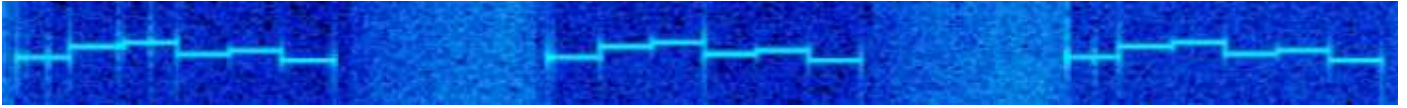
Link 90073

19363/17476/15873 kHz, 04-10, 1230/1240/1250 UTC

11166 90073 13579 04065 00049 00000 00000 00000 00000

19363/17476/15873 kHz, 18-10, 1230/1240/1250 UTC

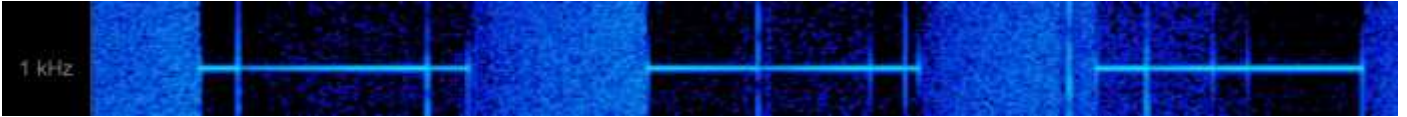
11166 90073 13579 18001 00049 00000 00000 00000 00000



Sequence: 256341



Sequence: 1--6--



One tone only: 6

FREQ	DATE	UTC	SEQUENCE	FREQ	DATE	UTC	SEQUENCE
12152	2-10	0725	Sequence: 432516	13376	1-10	1557	Sequence: 161-6-
11438	2-10	1535	Sequence: 32614	9450	9-10	0740	Sequence: 1--6--
12150	4-10	0642	Sequence: 256341 ends 0645 UTC	9450	9-10	1257	Sequence: 1--6--
14501	4-10	0823	Sequence: 214356	13736	12-10	1257	Sequence: 1--6--
14631	4-10	0829	Sequence: 362154	11320	13-10	1139	Sequence: 1--6--
11067	8-10	1735	Sequence: 145623	11320	17-10	1223	Sequence: 1--6--
13506	12-10	0807	Sequence: 153624	13320	18-10	1137	Sequence: 1--6--
13506	12-10	0954	Sequence: 164532	13320	18-10	1151	Sequence: 1--6--
12152	16-10	0737	Sequence: 432516	12320	18-10	1235	Sequence: 1--6--
11438	16-10	1543	Sequence: 532614	12320	20-10	0812	Sequence: 6----- ends 0813z
10684	18-10	0637	Sequence: 256341	12320	20-10	0815	Sequence: 6----- ends 0817z
14501	18-10	0809	Sequence: 214356	12320	20-10	0821	Sequence: 6----- ends 0821z
14631	18-10	0830	Sequence: 362154	12320	20-10	0822	Sequence: 6----- ends 0824z
16472	18-10	0907	Mazielka	12320	20-10	0825	i.p. Sequence: 1--6-- ends 0846z
16320	20-10	0629	Sequence: 241563	12320	20-10	0847	Sequence: 1--6-- ends 0905z
12109	23-10	0838	Sequence: 431625	12320	20-10	0914	Sequence: 1--6-- ends 0914z
13843	26-10	0816	Sequence: 153624	12320	20-10	0916	Sequence: 1--6-- ends 1033z
13506	26-10	0950	Sequence: 164532	17462	27-10	1250	Sequence: 6--1--
13376	1-10	1552	Sequence: 1--6--	17462	27-10	1255	Sequence: 6--1--
13376	1-10	1555	Sequence: 161-6-	17462	27-10	1328	Sequence: 1--6--

XPA

10868/12168/13368 kHz, 02-10/04-10, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
00751 00125 99168 11543 41676 45589 09675 81170 33743 20146
77639 21175 48102 60625 71694 14488 27209 60871 20276 20768
07688 46059 13198 79851 64294 10275 31476 76934 86996 21924
33008 49877 18887 33976 13515 59032 07610 82405 78575 46259
79620 43976 76127 31263 01053 83924 64275 86430 52392 70389
66723 63047 69908 89596 85265 05706 14312 03314 04463 88404
90189 23975 22292 84465 82803 40100 66731 33522 92744 03158
74605 12683 53370 78918 89204 83907 02144 98680 71247 61101
64071 26201 87797 92848 51014 12031 65927 17116 68501 33970
66694 26501 27146 27633 46072 91756 73280 02035 73446 02345
07921 89697 19433 03717 79052 69772 90107 27105 19623 52333
98571 46624 96756 89310 08260 41004 66656 86564 01001 82441
50194 46531 40831 72849 93780 77116 25489 05122

10868/12168/13368 kHz, 09-10, 0600/0620/0640 UTC

813 813 813 000
03187 00001 00000 10140

10868/12168/13368 kHz, 11-10, 0600/0620/0640 UTC

813 813 813 000
08251 00001 00000 10140

10868/12168/13368 kHz, 16-10/18-10, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
02813 00157 28126 81774 19409 51638 69957 77721 27366 91171
86679 60826 73102 33572 47848 70776 73034 37549 26164 26233
92279 96456 78325 66230 74633 17034 52455 26645 89336 41132
72042 09595 25836 59474 94629 26322 69055 27912 77818 46884
85537 96570 68575 02325 85411 04320 46694 85750 50929 98072
33074 43619 35186 19632 21012 09664 11004 50283 05181 94115
64360 00071 23566 85115 47397 30416 83274 69591 66089 82414
03576 32080 49538 35549 01721 13954 79562 56375 12246 38555
06519 14003 49854 66234 25394 74931 34603 10939 91791 87714
67386 43301 23062 63043 93093 55422 77406 06633 47350 46418
52754 69465 84300 59322 23899 36225 48567 60401 77327 93937
20571 87972 74551 96684 26328 14791 04713 60910 55407 75070
34770 85074 04549 41570 38690 85996 58519 15522 48529 60989
50539 39758 13944 80043 78770 21155 85814 41888 69264 87021
36871 32564 74127 86980 64400 51505 72197 62818 83349 30694
61771 61663 69168 28792 08023 42575 11297 93751 65383 52273

10868/12168/13368 kHz, 23-10, 0600/0620/0640 UTC

813 813 813 000
08736 00001 00000 10140

10868/12168/13368 kHz, 25-10, 0600/0620/0640 UTC

813 813 813 000
04240 00001 00000 10140

10868/12168/13368 kHz, 30-10, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1
03713 00149 09090 26266 04323 73611 19018 21792 90811 51879
20564 55932 02524 84470 35847 13638 14194 13011 28758 75308
90031 78280 79914 91522 00447 95634 85725 57363 43065 12537
55470 48902 48541 00359 00852 65669 97737 99737 99466 75647
96734 94039 59918 78887 04832 81493 53202 04318 59342 21803
09201 29487 59783 47462 60505 39942 51002 98280 45201 37844
79160 88279 27248 84891 46120 62918 13881 99758 30926 77568
99831 41923 14244 26790 99647 43126 60173 25547 66781 98506
36013 56169 21537 86724 93258 20616 91653 63858 20968 79031
48314 59760 43576 51619 98206 24905 47739 40969 49780 10340
67672 79082 12977 41128 96144 23122 58959 16186 43514 90487
09617 10594 97381 31927 53382 93622 40648 24524 57342 70438
26269 32248 54939 74488 22575 01685 24006 98869 03088 25740
02210 47788 64710 91051 81369 45542 68008 64470 07428 15633
83749 34643 20020 11760 19428 48320 35725 26410 96674 34966
58582 17311

XPA2

16338/14538/13538 kHz, 01-10, 1500/1520/1540 UTC

02854 00001 00000 10140

16284/18184/19584 kHz, 03-10, 0700/0720/0740 UTC

09449 00001 00000 10140

16338/14538/13538 kHz, 03-10, 1500/1520/1540 UTC

03829 00001 00000 10140

16284/18184/19584 kHz, 06-10, 0700/0720/0740 UTC

04699 00001 00000 10140

17462/16114/14828 kHz, 06-10/07-10, 1400/1420/1440 UTC

01567 00085 25155 79806 22687 81407 02151 93130 24433 99011
46044 46216 01757 54111 44224 63493 90020 33224 59708 53870
37332 86302 26122 62599 43874 09491 28709 73630 70077 72778
85209 50152 45422 17088 24196 17894 72333 87853 39810 14343
90255 22055 82071 29066 71228 74761 39949 01625 08508 12779
38532 26430 60941 62642 00868 89588 64784 01929 15785 61878
75289 46010 46490 06955 03419 23319 72240 86257 05374 91627
26515 46197 17721 46700 72024 05866 53331 45589 03949 92164
64099 63926 36260 49600 57443 55116 00374 10610

16338/14538/13538 kHz, 08-10/10-10, 1500/1520/1540 UTC

04543 00091 39148 28911 98529 80014 82759 84221 56482 62893
36473 38720 16078 38157 31400 17895 73352 74412 96648 54807
48544 97197 23196 15653 65136 89120 79514 98213 32308 19361
12749 77510 65108 49270 45175 22053 54727 36306 74087 96445
25866 51799 00513 96733 82378 39654 99169 53797 41280 61754
65439 80286 77854 79928 01478 70120 45797 18315 64694 56330
32022 17086 22436 61605 47379 02585 84498 51040 52888 22765
16175 52757 02466 85508 02751 01035 12171 46348 07130 41335
88320 96936 76430 40891 23499 65090 60741 00297 91788 77603
00214 92696 34700 64262

16284/18184/19584 kHz, 13-10, 0700/0720/0740 UTC

00329 00081 37729 31500 33066 16514 65752 45580 43111 79663
21506 43209 35632 81994 37357 22489 91722 00268 16520 01696
08727 48150 18976 19246 05163 92958 72656 21485 03948 68770
70480 99788 60792 18059 23513 03761 21225 81871 81462 78293
41375 29911 94566 75859 58771 41938 45667 37437 78548 12187
95766 98345 57720 82525 44872 86884 38124 59480 74457 79611
67241 67489 88557 52211 60128 32946 27633 89701 71176 25681
13633 54468 03805 47762 20790 16928 38165 20162 18877 83955
76762 48426 71658 72651

17462/16114/14828 kHz, 13-10, 1400/1420/1440 UTC

03321 00001 00000 10140

16338/14538/13538 kHz, 15-10, 1500/1520/1540 UTC

04982 00001 00000 10140

16338/14538/13538 kHz, 17-10, 1500/1520/1540 UTC

06176 00001 00000 10140

16284/18184/19584 kHz, 20-10, 0700/0720/0740 UTC

05196 00001 00000 10140

17462/16114/14828 kHz, 20-10, 1400/1420/1440 UTC

02179 00001 00000 10140

17462/16114/14828 kHz, 21-10, 1400/1420/1440 UTC

01728 00001 00000 10140

16338/14538/13538 kHz, 22-10/24-10, 1500/1520/1540 UTC

07477 00075 21273 48925 81226 50743 50924 50886 84688 29702
47752 54403 27751 83667 29234 03700 10501 29434 79055 41509
37289 26608 36795 42122 93077 28287 67539 37034 58291 68897
99608 69383 96531 48286 53013 61887 17087 02176 00979 61749
30001 38289 12688 62314 13606 67546 81175 14736 78877 61120
68684 15344 10683 79466 43046 05243 24842 01592 79683 76402
70323 84981 02622 63044 08439 13373 83814 76620 46022 59167
16752 65006 43854 24280 13774 45813 72233 24146

12192 kHz, 23-10, 0700 UTC

08871 00001 00000 10140

16284/18184/19584 kHz, 24-10, 0700/0720/0740 UTC

02840 00001 00000 10140

16284/18184/19584 kHz, 27-10, 0700/0720/0740 UTC

07855 00001 00000 10140

17462/16114/14828 kHz, 27-10/28-10, 1400/1420/1440 UTC

07574 00073 92961 32893 51373 56654 33790 08960 76622 56244
26110 07165 28671 32108 71224 81703 04084 55430 97809 43971
42259 03411 67340 62734 10947 04700 47163 12085 10440 68766
24949 02614 25165 26932 94504 48703 05614 63761 54380 50793
14783 97480 98567 28575 85423 48471 11667 45142 61440 47009
20506 49092 96727 14498 10092 08897 65710 16605 44611 14105
67194 46486 64999 84644 11099 62876 49558 53705 16784 42315
93349 82856 99122 64952 95467 22525

16338/14538/13538 kHz, 29-10, 1500/1520/1540 UTC

06893 00001 00000 10140

12192/13892/14892 kHz, 30-10, 0700/0720/0740 UTC

04343 00001 00000 10140

16284/18184/19584 kHz, 31-10, 0700/0720/0740 UTC

06267 00103 40483 41894 18309 75470 46021 18231 92013 37994
88141 76560 02580 79135 77276 56693 04653 46540 07560 14040
47523 27938 54160 81916 43121 21559 46708 22142 91773 22223
64346 72994 74221 73345 11863 87675 62179 84834 85682 60365
23897 27091 57196 85004 24745 73037 25400 27378 76827 26352
12328 05993 79804 10838 13251 87882 06374 33364 73058 46607
68615 25755 11369 86226 66445 42971 44970 70857 34193 58738
33106 80500 89768 70252 06836 71488 43608 30172 23349 17673
48470 70540 71119 88253 94471 49615 73225 50039 65281 30280
62223 01017 47922 73891 06926 33744 34947 73053 45541 80695
02020 11024 92017 04900 61580 52267

16338/14538/13538 kHz, 31-10, 1500/1520/1540 UTC

06091 00001 00000 10140

Polish Digital modes

BPSK-63

FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE
13873	1-10	1410	BPSK-63	5779	11-10	1435	BPSK-63	13873	21-10	1500	BPSK-63
13873	1-10	1415	BPSK-63	5779	11-10	1440	BPSK-63	13873	21-10	1505	BPSK-63
13575	1-10	1440	BPSK-63	13873	11-10	1500	BPSK-63	13873	22-10	1410	BPSK-63
13575	1-10	1445	BPSK-63	13873	11-10	1505	BPSK-63	13873	22-10	1415	BPSK-63
10302	1-10	1500	BPSK-63	13575	13-10	1440	BPSK-63	13575	22-10	1440	BPSK-63
10302	1-10	1505	BPSK-63	13575	13-10	1445	BPSK-63	13575	22-10	1445	BPSK-63
13873	2-10	1410	BPSK-63	10302	13-10	1500	BPSK-63	10302	22-10	1500	BPSK-63
13873	2-10	1415	BPSK-63	10302	13-10	1505	BPSK-63	10302	22-10	1505	BPSK-63
13575	2-10	1440	BPSK-63	10728	14-10	1225	BPSK-63	13873	23-10	1410	BPSK-63
13575	2-10	1445	BPSK-63	10728	14-10	1230	BPSK-63	13873	23-10	1415	BPSK-63
10728	4-10	1225	BPSK-63	5779	14-10	1435	BPSK-63	10728	25-10	1225	BPSK-63
10728	4-10	1230	BPSK-63	5779	14-10	1440	BPSK-63	10728	25-10	1230	BPSK-63
5779	4-10	1435	BPSK-63	13873	14-10	1500	BPSK-63	5779	25-10	1435	BPSK-63
5779	4-10	1440	BPSK-63	13873	14-10	1505	BPSK-63	5779	25-10	1440	BPSK-63
13873	4-10	1500	BPSK-63	13873	15-10	1410	BPSK-63	13873	25-10	1500	BPSK-63
13873	4-10	1505	BPSK-63	13873	15-10	1415	BPSK-63	13873	25-10	1505	BPSK-63
13575	6-10	1440	BPSK-63	13575	15-10	1440	BPSK-63	13575	27-10	1440	BPSK-63
13575	6-10	1445	BPSK-63	13575	15-10	1445	BPSK-63	13575	27-10	1445	BPSK-63
10302	6-10	1500	BPSK-63	10302	15-10	1500	BPSK-63	10302	27-10	1500	BPSK-63
10302	6-10	1505	BPSK-63	10302	15-10	1505	BPSK-63	10302	27-10	1505	BPSK-63
10728	7-10	1225	BPSK-63	13873	16-10	1410	BPSK-63	10728	28-10	1225	BPSK-63
10728	7-10	1230	BPSK-63	13873	16-10	1415	BPSK-63	10728	28-10	1230	BPSK-63
5779	7-10	1435	BPSK-63	10728	18-10	1225	BPSK-63	5779	28-10	1435	BPSK-63
5779	7-10	1440	BPSK-63	10728	18-10	1230	BPSK-63	5779	28-10	1440	BPSK-63
13873	7-10	1500	BPSK-63	5779	18-10	1435	BPSK-63	13873	28-10	1500	BPSK-63
13873	7-10	1505	BPSK-63	5779	18-10	1440	BPSK-63	13873	28-10	1505	BPSK-63
13873	8-10	1410	BPSK-63	13873	18-10	1500	BPSK-63	13873	29-10	1410	BPSK-63
13873	8-10	1415	BPSK-63	13873	18-10	1505	BPSK-63	13873	29-10	1415	BPSK-63
13575	8-10	1440	BPSK-63	13575	20-10	1440	BPSK-63	13575	29-10	1440	BPSK-63
13575	8-10	1445	BPSK-63	13575	20-10	1445	BPSK-63	13575	29-10	1445	BPSK-63
10302	8-10	1500	BPSK-63	10302	20-10	1500	BPSK-63	10302	29-10	1500	BPSK-63
10302	8-10	1505	BPSK-63	10302	20-10	1505	BPSK-63	10302	29-10	1505	BPSK-63
13873	9-10	1410	BPSK-63	10728	21-10	1225	BPSK-63	13873	30-10	1410	BPSK-63
13873	9-10	1415	BPSK-63	10728	21-10	1230	BPSK-63	13873	30-10	1415	BPSK-63
10728	11-10	1225	BPSK-63	5779	21-10	1435	BPSK-63				
10728	11-10	1230	BPSK-63	5779	21-10	1440	BPSK-63				

QPSK-125

FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE
10641	2-10	0940	QPSK-125	10641	13-10	0940	QPSK-125	10641	23-10	0940	QPSK-125
10641	2-10	0945	QPSK-125	10641	13-10	0945	QPSK-125	10641	23-10	0945	QPSK-125
10641	6-10	0940	QPSK-125	10641	16-10	0940	QPSK-125	10641	27-10	0940	QPSK-125
10641	6-10	0945	QPSK-125	10641	16-10	0945	QPSK-125	10641	27-10	0945	QPSK-125
10641	9-10	0940	QPSK-125	10641	20-10	0940	QPSK-125	10641	30-10	0940	QPSK-125
10641	9-10	0945	QPSK-125	10641	20-10	0945	QPSK-125	10641	30-10	0945	QPSK-125

QPSK-63

FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE
11107	1-10	1120	QPSK-63	4505	11-10	2035	QPSK-63	11107	22-10	1120	QPSK-63
11107	1-10	1125	QPSK-63	4505	11-10	2040	QPSK-63	11107	22-10	1125	QPSK-63
11107	2-10	1120	QPSK-63	4505	13-10	2035	QPSK-63	11107	25-10	1120	QPSK-63
11107	2-10	1125	QPSK-63	4505	13-10	2040	QPSK-63	11107	25-10	1125	QPSK-63
11107	4-10	1120	QPSK-63	11107	15-10	1120	QPSK-63	4505	25-10	2035	QPSK-63
11107	4-10	1125	QPSK-63	11107	15-10	1125	QPSK-63	4505	25-10	2040	QPSK-63
4505	4-10	2035	QPSK-63	11107	18-10	1120	QPSK-63	4505	27-10	2035	QPSK-63
4505	4-10	2040	QPSK-63	11107	18-10	1125	QPSK-63	4505	27-10	2040	QPSK-63
4505	6-10	2035	QPSK-63	4505	18-10	2035	QPSK-63	11107	29-10	1120	QPSK-63
4505	6-10	2040	QPSK-63	4505	18-10	2040	QPSK-63	11107	29-10	1125	QPSK-63
11107	8-10	1120	QPSK-63	4505	20-10	2035	QPSK-63				
11107	8-10	1125	QPSK-63	4505	20-10	2040	QPSK-63				

F03 - Polish Intel.

FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE	FREQ	DATE	UTC	MODE
9200	2-10	1000	FSK 100/200	11486	17-10	0835	FSK 100/200	10728	24-10	0950	FSK 100/200
9200	2-10	1005	FSK 100/200	11486	17-10	0840	FSK 100/200	7840	24-10	1800	FSK 100/200
11486	3-10	0835	FSK 100/200	10728	17-10	0945	FSK 100/200	7840	24-10	1805	FSK 100/200
11486	3-10	0840	FSK 100/200	10728	17-10	0950	FSK 100/200	11486	26-10	0835	FSK 100/200
7840	3-10	1800	FSK 100/200	7840	17-10	1800	FSK 100/200	11486	26-10	0840	FSK 100/200
7840	3-10	1805	FSK 100/200	7840	17-10	1805	FSK 100/200	9200	26-10	1000	FSK 200/400
9200	5-10	1000	FSK 100/200	11486	19-10	0835	FSK 100/200	9200	26-10	1005	FSK 200/400
9200	5-10	1005	FSK 100/200	11486	19-10	0840	FSK 100/200	7840	26-10	1800	FSK 100/200
7840	5-10	1800	FSK 100/200	9200	19-10	1000	FSK 200/400	7840	26-10	1805	FSK 100/200
7840	5-10	1805	FSK 100/200	9200	19-10	1005	FSK 200/400	10728	27-10	0945	FSK 100/200
9200	9-10	1005	FSK 200/400	7840	19-10	1800	FSK 100/200	10728	27-10	0950	FSK 100/200
11486	12-10	0835	FSK 100/200	7840	19-10	1805	FSK 100/200	9200	30-10	1000	FSK 200/400
11486	12-10	0840	FSK 100/200	10728	20-10	0945	FSK 100/200	9200	30-10	1005	FSK 200/400
9200	12-10	1000	FSK 200/400	10728	20-10	0950	FSK 100/200	11486	31-10	0835	FSK 100/200
9200	12-10	1005	FSK 200/400	9200	23-10	1000	FSK 200/400	11486	31-10	0840	FSK 100/200
7840	12-10	1800	FSK 100/200	9200	23-10	1005	FSK 200/400	10728	31-10	0945	FSK 100/200
7840	12-10	1805	FSK 100/200	11486	24-10	0835	FSK 100/200	10728	31-10	0950	FSK 100/200
9200	16-10	1000	FSK 200/400	11486	24-10	0840	FSK 100/200	7840	31-10	1800	FSK 100/200
9200	16-10	1005	FSK 200/400	10728	24-10	0945	FSK 100/200	7840	31-10	1805	FSK 100/200

F11**6906 kHz, 02-10/05-10, 0800/0805 UTC**

0434 0434 0434 0434 0434

88888 88888 56478 27810 95521 23934 88082 07612 19238 98493

89937 13849 32745 02411 09023 52603 77133 11390 46206 87677

00746 82648 71306 14788 24685 99176 41232 33383 85738 90311

00398 66564 36237 02219 12616 88888 88888

00037 00037

9339 kHz, 02-10/04-10, 0845/0850 UTC

0353 0353 0353 0353 0353
88888 88888 38562 42970 11685 81365 58848 99182 95526 78791
84371 97184 24190 64096 45626 54659 88941 64549 38484 26353
20267 94637 16967 25552 73844 72875 39939 06981 76668 06035
91009 74546 83466 59743 58171 73887 95026 23476 57906 88888
88888
00041 00041

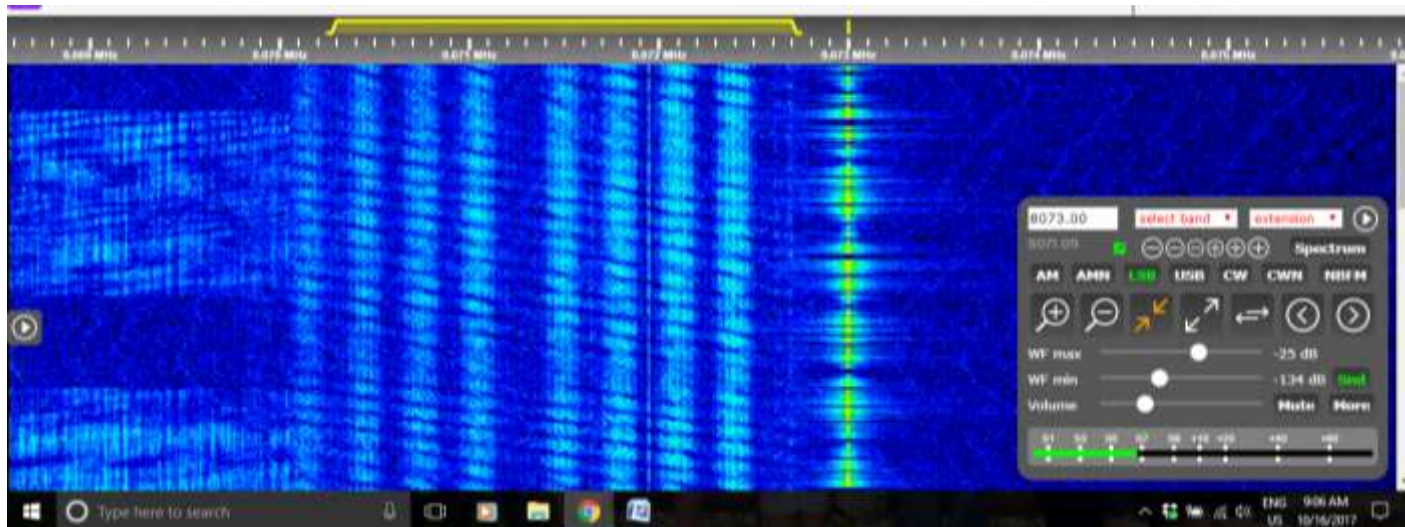
7371 kHz, 03-10/06-10, 0900/0905 UTC

0554 0554 0554 0554 0554
88888 88888 94302 93738 30084 14054 11523 56643 01041 33461
40537 06812 03371 19457 61251 42544 02113 45937 95283 27104
59375 07181 61547 45848 01487 11775 93757 95386 18749 45935
30484 33553 32641 54433 22197 23696 20112 70933 88888 88888
00040 00040

7670 kHz, 10-10, 1150/1155 UTC

0325 0325 0325 0325 0325
88888 88888 15364 41729 01541 55254 57361 43227 43388 73182
21651 44982 64548 85552 52387 04877 38659 94733 43883 64951
06947 25130 96909 06274 26443 45910 64806 66144 47588 26550
98113 23582 26021 76899 43695 28073 00857 88888 88888
00039 00039

Q26 - Chinese military



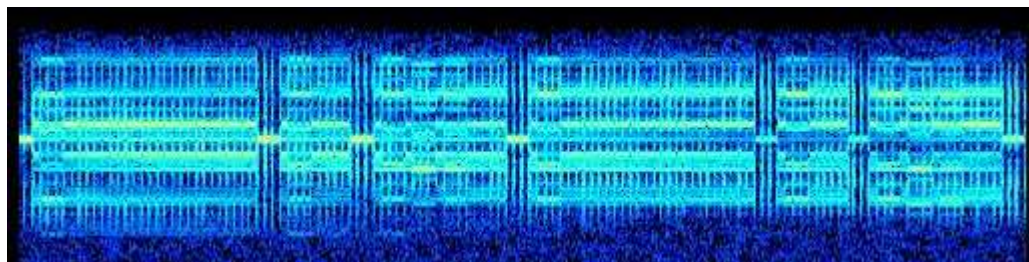
8073 kHz, 16-10, 1202 UTC. XSV85 sends at the same time 4+4 QPSK 75/3000 (Q26) on LSB and Morse (M95) on USB

See also the Logs Section.

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

Copied on:

06-10 at 1203 UTC
09-10 at 0614 UTC
10-10 at 2107 UTC
15-10 at 1433 UTC
16-10 at 1305 UTC
30-10 at 1957 UTC



Mode: QPSK 1500Bd

Frequencies: 4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8588, 8703.5 kHz

DIPLOMATIC STATIONS

North Korean diplomatic stations

FREQ	DATE	UTC	DETAILS	MODE
11444	3-10	1220	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13005	3-10	1337	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13222	3-10	1348	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14620	3-10	1348	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16222	3-10	1351	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14444	3-10	1656	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16085	4-10	0803	North Korean diplo.i.p.	DPRK-ARQ 600 LSB
15777	5-10	1340	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15555	5-10	1341	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16344	6-10	0652	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16245	6-10	0657	North Korean diplo i.p.	DPRK-ARQ 600 LSB
19221	7-10	0541	id CA: North Korean diplo op chat	DPRK-ARQ 600 LSB
14530	7-10	0654	id B3: North Korean diplo.4 messages. QSX 14750 kHz	DPRK-ARQ 1200 LSB
12322	7-10	0737	id AB: North Korean diplo i.p. QSX 12550 kHz	DPRK-ARQ 600 LSB
16135	7-10	0803	id D3: North Korean diplo. QSX 16138 kHz	DPRK-ARQ 600 LSB
16138	7-10	0803	id C3: North Korean diplo i.p. Ends with 16 rt ok sk. QSX 16135 kHz	DPRK-ARQ 600 LSB
19863	7-10	0816	id BD: North Korean diplo idling. QSX 20172 kHz	DPRK-ARQ 600 LSB
20172	7-10	0820	id D3: North Korean diplo i.p. Ends with ok sk. QSX 19863 kHz	DPRK-ARQ 600 LSB
12222	12-10	1309	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15555	12-10	1330	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16222	12-10	1332	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13222	12-10	1336	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16317	18-10	1039	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB
12850	18-10	1229	North Korean diplo	DPRK-ARQ 600 LSB
13222	18-10	1246	North Korean diplo	DPRK-ARQ 600 LSB
14444	18-10	1634	North Korean diplo	DPRK-ARQ 600 LSB
13444	19-10	0659	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13665	19-10	0702	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12222	19-10	1304	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12333	19-10	1304	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14535	19-10	1333	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15210	19-10	1333	North Korean diplo i.p.	DPRK-ARQ 600 LSB
15555	19-10	1333	North Korean diplo i.p.	DPRK-ARQ 600 LSB

FREQ	DATE	UTC	DETAILS	MODE
13105	20-10	0814	North Korean diplo i.p.	DPRK-ARQ 600 LSB
11455	20-10	0841	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12222	20-10	0847	North Korean diplo i.p.	DPRK-ARQ 600 LSB
17320	20-10	1407	North Korean diplo i.p.	DPRK-ARQ 600 LSB
17344	20-10	1407	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16025	20-10	1412	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16085	20-10	1412	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14115	21-10	0534	North Korean diplo	DPRK-ARQ 600/600
13222	21-10	0644	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14885	21-10	0645	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12345	21-10	0702	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16085	21-10	1422	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13333	25-10	0855	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12222	26-10	1209	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16222	27-10	0713	North Korean diplo i.p.	DPRK-ARQ 600
13105	27-10	0741	North Korean diplo i.p.	DPRK-ARQ 600
11122	28-10	0648	North Korean diplo i.p.	DPRK-ARQ 600 LSB
13444	28-10	0648	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16135	28-10	0648	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16450	28-10	0703	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16114	28-10	1410	North Korean diplo i.p.	DPRK-ARQ 600 LSB
11455	30-10	1209	North Korean diplo i.p.	DPRK-ARQ 600 LSB

Egyptian diplomatic stations

14622.7 kHz, 03-10, 1349 UTC, SITOR-A 100/170, Egyptian diplo i.p.

12222.7 kHz, 24-10, 1700 UTC, SITOR-A 100/170. MFA Cairo msg to Egyptian embassy Washington

UQYT TU TEC934F6

ACDDB 35D62 \$12CD 283F5 F07075E35 53A78 0741C 5A8E9

70A4B 02BD0 96438467 43E60 44F9D 7A99E C2AE9 04CB7

388E80A5B5 01989 01DCB6792 8C005 E0Y IPD89 9 59657 7C26F

789E2 18923 1CDC1 17E9E 1A6E5 0E192 F45BD F%.%FB17 9D29F

2QFE2C 50FCA ABCC VEF C3F0 0452B 29902 BE8A7 C6CEF

219F9 6D382 02E95 DE8FF 61A5C DA3DA BFF39 FF715 53018 28A72

1AF26 4032B 15830 A3A84 D1155 8EC25 3A3BF DB07IC 7D049

E8554 66E29 A0FAF ACB7F AD629 8F7DC CB7 WWEC2 23E UPU

ED0D376 F2A7F 7BA5D 8D929 68B8D C5CC1 90BBE F0E2B D0DC0

C30E9 ED0 343D8 EE9EFOEFC 91FD5 75821 1BFA6 76A04 9B467

CE154 6A8A5 B8BCE 6D281 5F711 C8602 26EC0 BF13E 89BD7 C775

52A30 0A743 1CE0C 8ECCF A2D96 08F6C 84545 B654E C7675EB0

B9B66 06258 C2A55 F7E2A 518C1 94AD5 92609 8FA1F F852D 71890

9D94C A7B67 CE758 06F1C 5A170 87AD0 14A7E 18BFB 85394 7947F

1B69F 5BDF7 658A6 1B5A9 6921B 1FC21 D2D8C 1A4FC 17849 D5E87

E4AEB 9876B DB462 B5807 3D577 C2A01 1EAF4 45259 A04E1 44674

9E19F CE6EAP D71C1 59111 148B2 880FE OEDF2 70A03 D7564

B6632 28A1B 2494A 91A49 C53E7 19C71 C1DF4 CBD1D DFE2C 03D78

E15BD 9C692 30054 B93DB 5C066 5DCA8 99102 F93AE 51231 58EC%

2%:80 DAA5E509 12+%% 59AB0 6196D F?9 3FEBF EUPI A947A

A924F B1BC7 5F0E2 E0A97 OACB5 29B65 0E5D3 2A1D6 380A1 E8E5

98BC8 18EB6 D2U AE6CB BF995 B3A41 A7C5E 9E90D D74C5 D33ED
B3958 6019C ECC99 DA366 CF44D AYA 76B98 30A4C 2FB3D 320F2

A2320 958AF BCFD DB304 058AE 805FE 63372 4F804 64900 2FB91
B511F E5W ECA07 F3706 E1CC6 C5781 148 1FDB0 7E06DUWTW

ETRUR EB40D 34A03 C4F08 83D16 2BC0D 1A455 9525D 3EB00 663A8
D9820 AF45D 9406B 56D3B 6366F 1814F 3298E AF98B 10ED1 9758B
49A37 99B44 56414 C3A9F 54AA3 3D09QHUNO YF B26EF 0F2EC
8500F 3F8C6 45E3%33- ?5CA9 D0FYA0 789D4 53FCC D60DD

AB1CA 608F5 B4A49 130D5 DC2D5 E780F 04D58 2A0BA 093B5 CD9FE
8ACB7 50854 943E+.&\$268 730DA B5C2D D9489 16942 A9E76 BF628
2560C 6BBCB CC8E2 E1184 6B467 4B64C B9FDA CAE4B E479B 92FE1
1EC1C 37535 03BF7 94D 11B70 D71E4 46EEC 944AF 3506E 56D65

B3813 A7B8D 871A1 3D43C EBE56 14F 0QF 2E313 6351B 1A818
CUCUB FEFD8 AB72B 526F10 743AF 0FF70 34C1F B38B1 0A65A 72F10
OF046 231B5 1E7D9 E3659 8FCF6 361F7 9BFA 39636 6488295054
0763B B8DC8 4WML8291 386D0 6EB62 280D3 26AAA 14EDF 8CABA
4BEF1 6C634 98F5E 5D418 788:%%%% 19B30 2F36E 5CD81 17983
9AEC8 2125A BE07F BC2DC 9E067 4E8UEB6C 4A573 5A611 B8013 FF

RCVB RCVB RCVB RCVB RCVB RCVB RCVB RCVB RCVB RCVB RCVB
KFPD JGKLD HUX+?

10156.7 kHz, 25-10, 1458 UTC, SITOR-A 100/170, Egyptian diplo i.p.

6773.7 kHz, 26-10, 1446 UTC, SITOR-A 100/170, Egyptian diplo i.p.

4067.7 kHz, 29-10, 1755 UTC, SITOR-A 100/170, MFA Cairo wkg TVVF: Egyptian embassy Beirut

5131.7 kHz, 29-10, 1757 UTC, SITOR-A 100/170, 71: MFA Cairo wkg 8: Egyptian embassy Beirut

time & date: 15:53, sunday, october 29, 2017

number of groups: 146 urgent ===~=====

00054 8ba~9 09 00c54 4625d 0835e b64ba 7e177 ~396 a9d4d

16009.7 kHz, 30-10, 1317 UTC, SITOR-A 100/170, Egyptian diplo i.p.

B8E 5E1\$: 055F7

859FPEYB F3F 7CB56 72B7F AACFEAE E3-4.)9D9AD EQ OCF

4801070D8E3 63 99\$?0EB D590E

D81C2 2FC7F A 068%? 35EED 508D3 0EECB 2357E 5CD4-6DF

251B1 06203 DC24 53D51%369 04717 9BDB6 D42779F

75- %%0E:4 7287 C8624 87DF5 AC01A 697W

QCCB8 ,&1 6F7586 7BA5U UB4DE 3FB2462

64674 742F9 E5FC1 B 1C5C6.+145B A0FFC 3E234

3E9 C1F7F 1A915 09ACEWWA7 7781E A75(?TEE3

D78F8 C71FF 50A6B CF363 089B2 2A-%6 E4A6&) 9C3E0

839036 DT QOFF01 84B53 EBF29 57588D9 C40E3

9 B667A 64523 F5B4A E0312B2 60B6C PC9AA

AA29E 1?3 71B22 51890 614AB B3B5C 7B52%/ @-13 C1

A78EA C91C2 9F5E0 A1CYE F9D59 EPLRD8C6EWB1C BFD0A

EUR A CTD E88C0\$%-8 D1E07824 DCD04 8DU IWB ED38BD

C75%9500 86881 070131D7 D4C0A4DD 3

3F9C80EE 99F71 33DBF FA48 96606%%.1

:\$8CB F8D5-1960 86547@E1C16 32--7 043F7 3381B

39379 2DB5237 F19C6 02154 595AE PQ WPQUQ E:1 EE694

TYR ED19E BDBAC AA275BE30 BA BA90D 71A98 1DB0C

CF? 1CC5D 726F0 00E74 BC186 68892 783D3 9990B

9CMOAEY OEEE7 9E42BF38 2021#7 \$:749 E0515
44C39 302DB B3A %:\$0C E254A E FD8F2 D8DD8

069 9A7C1 13D951 E E%-376 05,,?:384 A0471E E65D 648 40A UTC
WF 91F70 41C83B46 FA060 CCA2A F55M W UWTOMFJA58A 343N X
82 393D8 7CB87AE
BB -346D 38367 8EAD 818E1 6095B
FD5BB4 48EPYFCB203 89825566
F7C 78855 521D-04F 951EB DEF35 ETPWA5,,.05A UU OTWC 3FACE TE UOIA1 1DA9D 0MQF
TD8 D43AC 4F12 -: 66 6833E7B72?7:

(%:%:%(%%788
YKOSM JG KDPCF 0 04 04 HU+?7886.(%%788?

=788
,,+,,,%%788
KPHOM SKVKDS JG KLD KDPERX
M3ED12 72597 420BA58A 343FD 61781 CCF82 393D8 7CB8E A87AE
BB857 E7CAE A346D 38EA2 10E67 8F71F 48984 EA74D 818E1 609
%\$7?P RIEF9 AFTWE0 C7TT M
BA% 951EB DEF35 E4668
6EDA5 58D44 0E05B77 9528E 1F%?9 2#6(-,-:3
85506 53967 798#7(9D 0EC21 0348E 4C9ABA DEB C8FC0
75E F68D8 D43AC 4F1B42D2 A722U---:8\$3 - ::5ZZMY
NNN
.,788

16023.7 kHz, 30-10, 1335 UTC, SITOR-A 100/170, MFA Cairo clg OOVc: Egyptian embassy New Delhi, then into SITOR-B
OOVC OOVC OOVC OOVC OOVC OOVC OOVC OOVC OOVC
GQFY 51471 JG KDCFUSG LJFQOGK RGK
HUX+?6 (6

16009.7 kHz, 30-10, 1343 UTC, SITOR-A 100/170, MFA Cairo wkg OOVp: Egyptian embassy Islamabad
&(DHKKD VVVAAA VVVAAA
OHBBABUAG
296E/5)?0(%/#1771(+%((
'5)2XD YKZK KJ YKZZIZ
OOVP OOVP OOVP OOVP OOVP OOVP OOVP OOVP OOVP OOVP
OOK NLKGS KFPD KDKAUKD
GS YKZK KFPD KDKAUKD
HJKJ YKZK US KJKG KDDR YKS YKS YKS+?

UTILITY ROUND-UP

Unid stations

10535 kHz, 11-10, 0709 UTC, CW, i.p.
AR AR
VMB VMB VMB VMB DE HNL HNL 7G 7G CQ FM
NR 49527 49527 CK 49 49 QDR QDR AR K
PBTWM INZNX TC..X X.GHU HWJYW YERTC (Cont'd) AR AR
VMB VMB DE HNL HNL NIL NIL QRX MC.. =

4392 kHz, 25-10, 1111 UTC, i.p. Possibly M89
VVV B72 (x3) DE SEO (x2) QRU
1716 1716 SK SK T T

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AnEur, WP3, JPL, RP-MD, IKOPAV, and Tom

RMv/RNv/RNAv/RAv - Russian military voice transmissions

RNv – Russian Navy

8294 kHz, 26-10

0004 UTC Greder (Russian Pacific Fleet HQs, Vladivostok) R/Cs w/unid stn. Note: Greder xmitter overmodulated--hard to understand.
0007 UTC Greder r/Cs w/Rudnik, Shan'yega, Granit, Graspol', Ostafo, Yampal', Tipakhod, Komandur, Tropos, Proistol', vessel 351.
0037 UTC Unid weak stn (O/M Russian) R/Cs w/Fleyta (Russian Pacific Fleet Naval Base, Sovetskaya Gaven).
0221 UTC Greder R/Cs w/Kapitan Tozhenkov, Bukshir, Nazhiman, Avtor,

8297 kHz, 26-10, 0104 UTC

Kapitan Tozhenkov calling Fleyta. Fleyta also being called by Kapitan Komsha, Tipakhod Liza, Tanker 31, Yugo Vostok-1.

8237 kHz, 29-10

0504 UTC Buksol (Russian Navy PM-138) w/Brilyant advising that after ?Fulda/Foyda? it will be Megafon.
01517 UTC Bussol w/Megafon who passes msgs: The 1st approach (podkhod) at 1406 1/55, 55 line # 8-85, line #9-19, line #10124, line #12 15. Then 65624/57855/38440/ #1 0/301/2/?/400/100/1019
0527 UTC Bussol w/Brilyant passing msg: #15 65833/51786/35448/ #16 0/5/2/6/500/80/1017#1
19/procherk/8/procherk/2010/procherk/19/procherk/18. NOTE: Procherk=blank/empty space
0532 UTC Bussol calling Brilyant & Megafon w/no response.
0535 UTC Bussol w/Brilyant asking him to relay to Megafon that he should do as he originally planned. Megafon then answers that he did send via the "Malenkiy (small) on #144 (freq/chnl?)
0538 UTC Bussol calling ?Vitrol/Nitrol? w/no response.
0539 UTC Bussol w/Megafon asking him to send (rest missed). Megafon replies that he used the maximum (maksimal'niy).
0541 UTC Buusol calling ?Vitrol/Nitrol?. Megafon answers and Buksol tells him that he's trying to contact ?Vitrol/Nitrol? not Megafon.
1535 UTC Unid stn (O/M Russian) calling Istoriya w/no response.
1535 UTC Bussol w/unid stn (call missed) requesting current reports #1, #15, & #16
1550 UTC Bussol w/?Dezhuvta? w/reports #15 60567/61525/51540 & report #16 ??/10/3/9/300/6/1011/?32?

RNAv – Russian Navy Air Transport

11354 kHz, 03-10

0039 UTC Monolog (Naval Air Transports Eastern Sector, Vladivostok) w/75336 (Russian Navy IL-18D) reporting departure from point #5 at 0037 UTC and ETA landing at point #21 0157 UTC. Reports 5 hr 35 mins of fuel remaining
0053 UTC Karkas (Russian Pacific Fleet Airbase, Yelizovo) w/26319 (prob AN-26) reporting passing point #48 at 0050 UTC at FL190 and ETA landing is 0149 UTC. Fuel for 3:35 mins flt time. Karkas relays flt info to Monolog.
0119 UTC 75336 calling Izluchatel' (Russian Pacific Fleet Naval Airbase, Nikolayevka) w/no response. Passes to Monolog in the blind that he passed point #95 at 0019Z and ETA landing is 0200 UTC. He reports 5:00 fuel remaining.
00147 UTC 26319 calling Monolog w/no response. Calls Izluchatel' and requests that msg that he passed point (fades out) be relayed to Monolog. Izluchatel' calls Monolog w/no response.

RAv – Russian Air Force

Callsign

Unit

Korsar	Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov
Polis	Russian Air Force 117th Air Transport Regiment, 6956th Air Base, Orenburg
Klarnetist	Russian Air Force 12th Air Transport Division, 6955th Air Base, Migalovo/Tver
Proselok	Russian Air Force 566th Air Transport Regiment, Bryansk
Davlenie	Russian Air Force 708th Air Transport Regiment, 6958th Air Base, Taganrog

11360 kHz, 13-10

1053 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/76726 (IL-76MD) reporting 1:25 into flt & "ops normal".

1137 UTC Korsar w/78790 (IL-76MD 196th Military Transport Air Regiment - Tver -not heard) reporting 2 hrs into flt w/43 tons fuel & "ops normal". At 1233Z reports 3 hrs into flt w/35 tons fuel, "ops normal."

1204 UTC Korsar w/78845 (IL-76MD-not heard), Korsar can't hear 78845 so asks Magnetron (unid) to relay flt info. Nothing heard. At 1220Z Korsar contacts Davlenie (Russian Air Force 708th Air Transport Regiment, 6958th Air Base, Taganrog) & asks for 78845's flt time, fuel remainder & ETA Taganrog. Nothing heard.

1208 UTC Korsar w/78789 (IL-76MD-not heard) reporting departure from Kolchevo.

1335 UTC Korsar w/76794 (IL-76TD-not heard) reporting 1615 MSK departure from Raspiska (Russian AB Mozdok) and next is "the point" (Latakia Syria).

1357 UTC Korsar w/78789 (IL-76MD-not heard) reporting 2 hrs into flt w/26 tons fuel.

1359 UTC Acft 62555 (unid) USB calling Chkalovskiy for R/C w/no response.

1459 UTC Korsar w/76763 (IL-76MD-not heard) reporting 3 hrs into flt & "ops normal".

6685 kHz, 13-10, 1515 UTC

Proselok (Russian Air Force 566th Air Transport Regiment, Bryansk) w/78795 (IL-76MD) reporting 1805 MSK departure from Buntar (Russian AB Orenburg-2) w/56 tons fuel next is Tolmachevo.

11360 kHz, 21-10

1323 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/82038 (Russian AF AN-124) reporting 5 hrs into flt w/53 tons fuel & "ops normal".

1355 UTC Korsar w/76643 (IL-76MD) reporting landing at Dorozhniy (Russian AB Rostov-na-Donu) at 1655 MSK.

1413 UTC Korsar w/86870 (IL-76MD) reporting departure from Kvartet (Russian AB Taganrog-Central) at 1750 MSK w/40 tons fuel and next is Il'men (Russian AB Kursk).

1424 UTC Korsar w/78794 (IL-76MD) reporting departure from (missed) at 1715 MSK w/40 tons fuel & next is Chkalovskiy.

6685 kHz, 21-10, 1532 UTC

Klarnetist (Russian Air Force 12th Air Transport Division, 6955th Air Base, Migalovo/Tver) w/78810 (IL-76MD 566th Air Transport Regiment, Bryansk) reporting 2 hrs into flt w/46 tons fuel & "ops normal" at FL310. Next is Pisar (checkpoint??). At 1628Z 78810 calling Proselok (Russian Air Force 566th Air Transport Regiment, Bryansk) & Korsar w/no response. Answered by Klarnetist & reports 3 hrs into flt w/37 tons fuel & "ops normal." Request info be relayed to Proselok.

11360 kHz, 22-10

1245 UTC 76530 (IL-76MD) calling Proselok (Russian Air Force 566th Air Transport Regiment, Bryansk) w/no response.

1313 UTC Korsar (Russian Air Force 334th Air Transport Regiment, 6985th Air Base, Pskov) w/78768 (IL-76MD) reporting 1 hr into flt w/50 tons fuel & "ops normal".

1331 UTC Korsar w/78795 (IL-76MD) reporting 3 hrs into flt w/20 tons fuel & ops normal. Next is Tolmachevo

11360 kHz, 25-10

1037 UTC Korsar w/82038 (Russian AF AN-124) reporting landing at Kedr (Russian AB, Seshcha) 1415 MSK w/31 tons fuel & ops normal.

1039 UTC 86898 (IL-76MD) calling Korsar, Polis, Klarnetist, Proselok, & Davlenie w/no response.

11360 kHz, 26-10

1058 UTC Proselok R/Cs w/78775 (IL-76MD).

1455 UTC 76649 (IL-76MD 708th VTAP Taganrog Central) calling Proselok w/no response.

1456 UTC Proselok w/76291 (IL-76MD) reporting departure from Kanatniy (Russian AB, Ivanovo-North) at 1745 MSK w/13 tons fuel & next is Kvartet (Russian AB Taganrog-Central).

6685 kHz, 26-10

1536 UTC Davlenie w/76509 (IL-76MD) reporting landing at Kvartet.

1551 UTC Korsar w/78797 (IL-76MD) reporting 2 hrs into flt w/40 tons fuel and ETA landing at Bulava is 1935 MSK.

8033 kHz, 26-10, 1938 UTC, Tu-95MS Bear H net

Aircraft 04454 calling Zazheniya but Zazheniya cannot hear 04454.

8033 kHz, 26-10, 1945 UTC, Tu-95MS Bear H net

Zazheniya w/13333 msg: 017/084/727/903/753/376.

11360 kHz, 29-10

1217 UTC Acft 78830 (IL-76MD) calling Chkalovskiy w/no response.
 1233 UTC Korsar w/78842 (IL-76MD) reporting departure from Pskov enroute to Vnukovo.
 1237 UTC Korsar w/86906 (IL-76MD) reporting departure from Drakon (Russian AB Kant Kyrgigstan) at 1517 MSK w/27 tons fuel.

M32 - Russian / CIS Military CW Stations**4832 kHz, 05-10, 1827 UTC, i.p.**

839 31 5 2120 839 = 989 =
 26551 52639 15148 47329 58233 71607 30305 42275 84762 00465
 41580 17346 26517 85710 89257 81318 30284 80931 28766 11236
 83957 07919 16195 20757 49856 26589 57670 73400 05028 042 =
 LDBO LDBO LDBO
 QTC 839 31 5 2120 839 = 989 =
 26551 52639 15148 47329 58233 71607 30305 42275 84762 00465
 41580 17346 26517 85710 89257 81318 30284 80931 28766 11236
 83957 07919 16195 20757 49856 26589 57670 73400 05028 042 =

5796.5 kHz, 06-10, 1218 UTC, i.p.

77860 44652 99256 93176 71685 =
 37792 72158 72588 44510 79044 46687 24185 78579 35731 06099 K
 HRSU R 12 QRV K
 9XX9 17 100 6 0930 17 =
 72727 12325 83449 92859 66196 42849 66247 85269 12187 46884 =
 28293 (Cont'd)

4617 kHz, 06-10, 1301 UTC

XXX XXX Q8BE Q8BE 11085 KROTOKURD 3404 4450
 XXX XXX Q8BE Q8BE 11085 KROTOKURD 3404 4450 K

14440 kHz, 07-10, 1717 UTC

XXX XXX 9TIC 9TIC 55900 DUBONAB 56733 528 K

4718 kHz, 09-10, 1450 UTC, i.p.

78587 98999 15263 65658 67960 53855 47744 66998 75523 22252
 52558 78933 09040 = 018 K
 DE VG8Z R 674 K
 OK QRU ? K
 QRU K
 QXS
 OK K

4977 kHz, 10-10, 1422 UTC. V-marker after the traffic

L3EL DE C3AE QSA ? 8 K
 4T2Q DE C3AE QSA ? K
 E6PA DE C3AE QSA ? K
 B.WP DE C3A3 QSA ? K

8480 kHz, 12-10, 1051 UTC, AKHX to OUAW

QTC 501 29 12 1349 501 = ZAS 631
 PPPPP NLCMO VSYSE WRGFI OIZDO ... 631 K

8480 kHz, 12-10, 1059 UTC, AKHX to H3N3

QTC 251 29 12 1400 251 = ZIB 631
 PPPPP IKKYD DOOTL ULPWG YUHDN ... 631 K

8480 kHz, 12-10, 1128 UTC, AKHX to 4Z1L

QTC 194 29 12 1420 194 = ZIF 631

PPPPP NKVNR HMEUB WYEEN NSQEK ... 631 K

7967 kHz, 12-10, 1410 UTC, YN9Q to ???

957 38 12 1846 957 = 437 QOFLE LSHSD OKMFU OREMG OKMFH ...

9170 kHz, 20-10, 1044 UTC, i.p.

GO6O PPPPP PPPPP XXX XXX GO6O GO6O PPPPP PPPPP K

13404 kHz, 23-10, 0740 UTC, i.p.

95765 63316 64068 36942 15680 63422 80117 72557 37206 39601 46863 74968 23022 RPT AL QLN K

OK AS

AS RPT AL NW

ZVHN ZYP ZQT ZZS ZIO ZCC ZBQ QSU 1 QYT 4 ZDK ZDK K

OK AS

ZVHN R K

8512 kHz, 15-10, i.p.

P7HL 288 18 16 1044 288 =

795 822 =

5711 2246 2060 6490 1964 6090 7019 4142 8922 0.50

2590 5062 .03. 9548 8487 1615 K

Y... DE P7HL K

P7HL QTC K

P7HL 367 20 16 1048 367 =

82. BT

PPPPP END.W ZZORR CQNFN (Cont'd) K

P7HL 041 19 16 1050 041 =

795 822 =

0375 7.26 4505 7.007 7947 (Cont'd)

11104 kHz, 15-10, 0803 UTC

XXX XXX WEGI WEGI 44851 00801 MAWROSEJM 6689 1675 SEWOTEG 8390 8432 K

We still follow the same net as in the previous months. Here some logs from AnEur:

Frequency net control: 5693 kHz**Frequency out stations: 5514 kHz****Callsigns per 1 October**

Net Control: ICA4

Collective callsign: ???

Out stations: SAHG, M4LR, 3NPL, 9DHO, ILI9

Callsigns per 11 October

Net Control: VHDI

Collective call: ???

Out stations: ZA8X, DSLX, FMQB, S66X, S3TC

Callsigns per 21 October

Net control: 7JLM

Collective callsign: ????

Out stations: TDQY, ZY3T, 5TV2, DYS6, SRNF

5693 kHz, 02-10, 1705 UTC, ICA4 to 9DHO

QDA? SAHG K

5693 kHz, 02-10, 1706 UTC, ICA4 to 9DHO

404 2 29 2010 404 = FM ICA4 FOR SAHG 382
WIOEK RIOEM PGJOW NZDXO ÛRDSJ JKIOÂ OWKSO NZXOD IZHOW ÂDNRS
KÔXOQ WZIOÂ LNKOO ÂNZDD KRIOK ÔXOGCh ONDKI ÂNZXO WKLDK PNKXO
PXOÂZ IONZX OKRXO LDKXO NZXOD PWPWT
RPT ALL QLN K
RK

5693 kHz, 11-10, 1604 UTC, VHDI to S66X

QDA? ZA8X K

5693 kHz, 11-10, 1606 UTC, VHDI to S66X

260 29 11 1905 260 = FM VHDI FOR ZA8X 824
WUBOM ZEGOR HIWAR KRChTK PRIMO DROAW HLOWA BRIGA ZDOOW ÛLAACH
UWEGS HPIIS DRIVN DWEXX FZBIK DVORR PROWI DESTÂ GRONM GILMA
KUWBA STRIK BORWI DYRJJ HPOChT ÂÂPWT K

5693 kHz, 11-10, 1615 UTC, VHDI to S66X

QDC? 260 K
RK

5693 kHz, 11-10, 1615 UTC, S66X to VHDI

S66X QDC 1908 ... K

5693 kHz, 12-10, 1705 UTC, ICA4 to 9DHO

QDA? SAHG K

5693 kHz, 12-10, 1706 UTC, ICA4 to 9DHO

404 2 29 2010 404 = FM ICA4 FOR SAHG 382
WIOEK RIOEM PGJOW NZDXO ÛRDSJ JKIOÂ OWKSO NZXOD IZHOW ÂDNRS
KÔXOQ WZIOÂ LNKOO ÂNZDD KRIOK ÔXOGCh ONDKI ÂNZXO WKLDK PNKXO
PXOÂZ IONZX OKRXO LDKXO NZXOD PWPWT
RPT ALL QLN K
RK

5693 kHz, 22-10, 1719 UTC, 7JLM wkg 5TV2

ZEG ZPL ZRJ QYT4

5693 kHz, 22-10, 1821 UTC, 7JLM wkg 5TV2

QBE QYT4

5693 kHz, 22-10, 1824 UTC, 7JLM wkg SRNF

ZJJ ZYY ZJZ QYT9

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

11096 kHz, 01-10, 0931 UTC, i.p.

VVV RMSB DE RJS K
VVV RFX56 DE RJS QSA ?
VVV RFX56 DE RJS QSA ? K
RMSB DE RJS QSA 2 QAP K

6905 kHz, 06-10, 1206 UTC

VVV RAN64 QSA ? K
VVV RFY QSA ? K
R Q 61 DE RFY QSA 2 K
QSA 3 NIL SK
OK NIL GB SK
VVV RAN64 QSA ? K

3531 kHz, 20-10, 0003 UTC, i.p.

RCV DE RCJG QSA ? QTC K
RCV QRZ ? K
VVV RCV DE RCJG QSA ? QTC K
RCJG II II RCJG DE RCV QSA 1 QRV K
RCJG 826 2. 0 03 826 =
SML .45 RJE6. FOR R.H.. RJE73 =
20001 99435 10398 42/.. (Cont'd)

12464 kHz, 25-10

RIW DE RMCB 745 12 25 1435 745 = FOR 459 = 77777 72819 52696 25010 = + RMCB K

12464 kHz, 25-10, 1153 UTC

RIW DE RGV87 QTC K
NITROLAK 56546 60204 01445 00222 74642 68709 00315 00018 00018 11445 K
XXX XXX NITROLAK 56546 60204 01445 00222 74642 68709 00315 00018 11445 K

12464 kHz, 25-10, 1348 UTC

XXX XXX RIW RIW NITROLAK 56546 60204 01410 00111 35826 25002 12012 00653 01430 K

9145 kHz, 25-10, 1351 UTC

NITROLAK 56546 60204 01410 00111 35826 25002 12012 00653 01430 K

M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)**8816 kHz, 03-10, 1055 UTC**

08746 DE RJF94 QSA1 QRV K
QTO 1042 QRD XLDR XLMV QRE 1230 QBD 0630 K
QTH 16955 13905 QTR 1117 QBG 6400 QBD 0600 QRE XLDR 1215 K

8816 kHz, 03-10, 1535 UTC

RJC38 RJF94 DE 08746 QTO 1523 QRD XLMV XLDR QRE 1723 QBD 0600 K
QTH 17037 14357 QTR 1607 QBG 6700 QBD 0530 QRE XLMV 1710 K

8816 kHz, 10-10, 0709 UTC,

RJC38 RJF94 DE 26702 QTO 0700 QRD XLLV XLMV QRE 1000 QBD 0500 K
QTH 16541 13359 QTR 0808 QBD 0400 QBG 5800 K
QTH 16229 13301 QTR 0905 QBD 0300 QRE XLLV 1005 K
QQM XLLV 1003 SK

8816 kHz, 10-10, 1150 UTC

RJC38 RJF94 DE 08746 QTO 1141 QRD XLMG XLMV QRE 1201 QBD 0530 K
QQM XLMG 1155 SK

8816 kHz, 10-10, 1154 UTC

RJC38 RJF94 DE 26702 QTO 1137 QRD XLMV XLLV QRE 1430 QBD 0530 K
QTH 16400 13355 QTR 1243 QBD 0430 QBG 5800 K
16622 13334 QTR 1315 QRE XLMV 1400 K
QQM XLMV 1408 SK

8816 kHz, 10-10, 1326 UTC

RJC38 RJF94 DE 08746 QTO 1320 QRD XLDR XLMG QRE 1510 QBD 0500 K
QTH 16955 13903 QTR 1402 QBG 4000 QBD 0430 QRE XLDR 1545 K
QTH 17048 14544 QTR 1430 QBG 4000 QBD 0400 K
QQM XLDR 1505 SK

8816 kHz, 10-10, 1641 UTC

RJC38 RJF94 DE 08746 QTO 1634 QRD XLMV XLDR QRE 1824 QBD 0530 K
QTH 17010 14207 QTR 1726 QBG 6700 QBD 0430 QRE XLMV 1810 K
QQM XLMV .. SK

8816 kHz, 10-10, 1813 UTC

RJF94 RJC38 DE 54679 QTO 1803 QRD XLMV XUMO QBD 0800 QRE 2103 K
QQL ULWC 1849 QBG 7300 K
QAY XLPB 1917 QBD 0635 K
QQL ULPE 1943 QBG 7300 QRE XLMV 2040 K
QQM XLMV 2041 SK

8816 kHz, 13-10, 0712 UTC

RJF94 RJC38 DE 54674 QTO 0702 QRD XLAA XLMV QRE 0820 QBD 0630 K
QQM XLAA 0825 SK

8816 kHz, 13-10, 1021 UTC

RJF94 RJC38 DE 54674 QTO 1015 QRD XUMO XLAA QRE 1235 QBD 0515 K
QQL XLWC 1126 QBD 0400 QRE 1225 K
QQM XUMO 1214 SK

8816 kHz, 13-10, 1515 UTC

RJF94 RJC38 DE 54674 QTO 1505 QRD XLMV XUMO QRE 1755 QBD 0630 K
QAY XLPB 1625 QBD 0505 QBG 7300 K
QQL ULPE 1659 QBD 0430 QRE 1800 K
QQM XLMV 18.. SK

8816 kHz, 17-10, 0713 UTC

RJC38 RJF94 DE 08746 QTO 0704 QRD XWON XUMO QRE 0934 QBD 0800 K
QTH 15415 14813 QTR 0828 QBG 7000 QBD 0700 QRE XWON 0930 K
QQM XWON 0936 SK

8816 kHz, 17-10, 0812 UTC

RJC38 RJF94 DE 54676 QTO 0805 QRD XLLP XRKE QBD 1000 QRE 1205 K
QTR 0907 QBG 7900 QBD 0900 K
QTR 0950 QQL XUOW QBG 7900 K
QTR 1100 QAY UUBE QBD 0700 K
QQM XLLP 1231

8816 kHz, 19-10, 0755 UTC

RJC38 RJF94 DE 08746 QTH 15942 15000 QTR 0751 QBG 7300 QBD 0430 K
QTH 16201 14622 QTR 0832 QBG 7300 QBD 0400 QRE XLAA 0930 K
QQM XLAA 0924 SK

8816 kHz, 19-10, 0904 UTC

RJF94 RJC38 DE 54671 QTO 0901 QRD XLLV XLMV QRE 1103 QBD 0900 K
QQL ULPE 0954 QBD 0730 QBG 7000 K
QAY XLPB 1025 QBD 0655 QRE 1105 K
QQM XLLV 1103 SK

8816 kHz, 19-10, 1048 UTC. No times given in the message

RJF94 RJC38 DE 84172 QTH 16556 17701 QBD 0540 K
QTH 16455 16236 QBD 0450 K
QTH 16158 14842 QBD 0350
QQM XLWF SK

8816 kHz, 19-10, 1204 UTC

RJF94 RJC38 DE 08746 QTO 1156 QRD XLMV XLAA QRE 1400 QBD 0700 K
QTH 16514 13525 QTR 1237 QBG 6700 QBD 0630 QRE XLMV 1340 K
QQM XLMV 1338 SK

8816 kHz 0729 UTC

RJF94 RJC38 DE 54677 QTO 0920 QRD XLMV XLAA QBD 0700 QRE 0845 K
 QTR 0808 QTH 6618 3645 QRE XLAA 0848 K
 QQM XLAA 0847 SK

8816 kHz 1019 UTC

RJC38 RJF94 DE 08746 QTO 1012 QRD XLAA XLMV QRE 1120 QBD 0530 K
 QQM XLAA 1120 SK

8816 kHz 1035 UTC

RJC38 RJF94 DE 54677 QTO 1024 QRD XLMV XLAA QBD 0530 QRE 1300 K
 QTR 1108 QTH 6654 3444 QRE XLMV 1152 K
 QQM XLMV 1152 SK

8816 kHz 1242 UTC

RJF94 RJC38 DE 08746 QTO 1230 QRD XUYK XLAA QRE 1440 QBD 0700 K
 QTH 16655 14847 QTR 1332 QBG 7000 QBD 0600 K
 QTH 16739 15440 QTR 1405 QBG 7000 QBD 0530 QRE XUYK 1505 K
 QQM XUYK 1506 SK

M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)

10735.5 kHz, 15-10, 0800 UTC

XXX XXX 1QRF 1QRF 57801 MAWROSEJM 6689 1675 SEWOTEG 8390 8432 K

5835 kHz, 26-10, Tu-95MS Bear H net

1802 UTC: K-markers
 1759 UTC DSA7 DE QZ6Y K
 1827 UTC F2TD DE QZ6Y K

LOGS SECTION

CODE	FREQ	DATE	UTC	DAY	DETAILS	MODE	CTRB
---	8665	1-10	0939	Sun	XSG: Shanghai Radio sending similar messages as M89: 7AA3 U5DN 7ATN 7AD3 T355 3U63 ... AR DE XSG VA	CW	(JPL)
---	10410	2-10	0810	Mon	i.p. 5739 8564 8764 2563 1952 K	CW	(JPL-CHN)
---	3612	2-10	1836	Mon	VVV CQ DE 4K2 8285 8285 8285 8285 K	CW	(JPL-KOR)
---	10535	11-10	0709	Wed	unid station i.p. VMB VMB VMB VMB DE HNL HNL 7G 7G CQ FM NR 49527 49527 CK 49 49 QDR QDR AR K	CW	(JPL-CHN)
---	12856	19-10	0853	Thu	XSG: Shanghai Radio, weather forecast followed by coded weather in M89/M95-format: CQ DE XSG HR STANDARD TIME SIGNALS AND WX AS HR WX = = SHAI OBSY SYNOPTIC SITUATION 190000Z	CW	(JPL)
DPRK	11444	3-10	1220	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13005	3-10	1337	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13222	3-10	1348	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14620	3-10	1348	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16222	3-10	1351	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	3-10	1656	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)

DPRK	16085	4-10	0803	Wed	North Korean diplo.i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15777	5-10	1340	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15555	5-10	1341	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16344	6-10	0652	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-RUS)
DPRK	16245	6-10	0657	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-RUS)
DPRK	19221	7-10	0541	Sat	id CA: North Korean diplo op chat	DPRK-ARQ 600 LSB	(Danix-OMA)
DPRK	14530	7-10	0654	Sat	id B3: North Korean diplo.4 messages. QSX 14750 kHz	DPRK-ARQ 1200 LSB	(Danix)
DPRK	12322	7-10	0737	Sat	id AB: North Korean diplo i.p. QSX 12550 kHz	DPRK-ARQ 600 LSB	(Danix)
DPRK	16135	7-10	0803	Sat	id D3: North Korean diplo. QSX 16138 kHz	DPRK-ARQ 600 LSB	(Danix-CHN)
DPRK	16138	7-10	0803	Sat	id C3: North Korean diplo i.p. Ends with 16 rt ok sk. QSX 16135 kHz	DPRK-ARQ 600 LSB	(Danix-CHN)
DPRK	19863	7-10	0816	Sat	id BD: North Korean diplo idling. QSX 20172 kHz	DPRK-ARQ 600 LSB	(Danix-CHN)
DPRK	20172	7-10	0820	Sat	id D3: North Korean diplo i.p. Ends with ok sk. QSX 19863 kHz	DPRK-ARQ 600 LSB	(Danix-CHN)
DPRK	12222	12-10	1309	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15555	12-10	1330	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16222	12-10	1332	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13222	12-10	1336	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16317	18-10	1039	Wed	North Korean diplo i.p.	DPRK-ARQ 600/600 LSB	(EW)
DPRK	12850	18-10	1229	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13222	18-10	1246	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	18-10	1634	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13444	19-10	0659	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13665	19-10	0702	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	19-10	1304	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12333	19-10	1304	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14535	19-10	1333	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15210	19-10	1333	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15555	19-10	1333	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13105	20-10	0814	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11455	20-10	0841	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	20-10	0847	Fri	North Korean diplo i.p.	DPRK-ARQ	(AB)

							600 LSB	
DPRK	17320	20-10	1407	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	17344	20-10	1407	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16025	20-10	1412	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16085	20-10	1412	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	14115	21-10	0534	Sat	North Korean diplo		DPRK-ARQ	(phi)
							600/600	
DPRK	13222	21-10	0644	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	14885	21-10	0645	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	12345	21-10	0702	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16085	21-10	1422	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	13333	25-10	0855	Wed	North Korean diplo i.p.		DPRK-ARQ	(SP1)
							600 LSB	
DPRK	12222	26-10	1209	Thu	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16222	27-10	0713	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600	
DPRK	13105	27-10	0741	Fri	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600	
DPRK	11122	28-10	0648	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	13444	28-10	0648	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16135	28-10	0648	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16450	28-10	0703	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	16114	28-10	1410	Sat	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
DPRK	11455	30-10	1209	Mon	North Korean diplo i.p.		DPRK-ARQ	(AB)
							600 LSB	
E06	18425	5-10	0600	Thu	186 294 50 17036 60980 62320 ... 99766 20152	USB		(AB-RUS/HFD)
					73730 294 50 00000			
E06	20230	5-10	0700	Thu	186 294 50 17036 60980 62320 ... 99766 20152	USB		(AB-GRC/HFD)
					73730 294 50 00000			
E06	14931	5-10	1512	Thu	i.p.	USB		(ML4)
E06	5190	5-10	2030	Thu	891 149 52 12265 10965 47839 ... 53234 05124	USB		(AB)
					95732 149 52 00000 Windows shut down sound			
E06	18425	6-10	0600	Fri	186 294 50 17036 60980 62320 ... 99766 20152	USB		(AB-S)
					73730 294 50 00000			
E06	20230	6-10	0700	Fri	186 294 50 17036 60980 62320 ... 99766 20152	USB		(AB-GRC)
					73730 294 50 00000			
E06	14931	6-10	1505	Fri	759 268 35 07934 24934 54326 ... 87842 25572	USB		(linkz/Danix)
					59088 268 35 00000			
E06	18923	6-10	1605	Fri	759 268 35 07934 24934 54326 ... 87842 25572	USB		(linkz/Danix)
					59088 268 35 00000			
E06	5197	6-10	2130	Fri	634 149 52 12265 10965 47839 ... 53234 05124	USB		(AB/HFD)
					95732 149 52 00000			
E06	13545	13-10	0400	Fri	361 509 44 88198 09150 21861 ... 20796 08887	USB		(AB-CHN)
					14963 509 44 00000			
E06	18425	19-10	0600	Thu	186 379 52 50821 42306 93108 ... 50289 73409	USB		(AB-Sib)
					81038 379 52 00000			

E06	20230	19-10	0700	Thu	186 379 52 50821 42306 93108 ... 50289 73409 81038 379 52 00000	USB	(AB-Sib)
E06	5186	19-10	2030	Thu	891 149 52 12265 10965 47839 ... 53234 05124 95732 149 52 00000 Windows shut down sound	USB	(AB)
E06	18425	20-10	0600	Fri	186 379 52 50821 42306 93108 ... 50289 73409 81038 379 52 00000	USB	(AB-RUS)
E06	20230	20-10	0700	Fri	186 379 52 50821 42306 93108 ... 50289 73409 81038 379 52 00000	USB	(AB-Sib)
E06	5197	20-10	2130	Fri	Carrier only. Off at 2131 UTC	USB	(AB/Sha)
E06b	10755	30-10	1406	Mon	975 975 975 89715 (R) 41390 73934 79428 ... 36813 5128 06272 864 32 00	USB	(ES)
E07	9064	1-10	0600	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	10264	1-10	0620	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	11464	1-10	0640	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	13376	1-10	1700	Sun	317 317 317 000	AM	(AB/MPJ)
E07	12176	1-10	1720	Sun	317 317 317 000	AM	(AB/MPJ/BvR)
E07	11539	2-10	1900	Mon	511 511 511 000	USB	(AB/MPJ)
E07	10139	2-10	1920	Mon	511 511 511 000	USB	(AB/MPJ)
E07	13376	4-10	1700	Wed	317 317 317 000	AM	(AB/MPJ)
E07	12176	4-10	1720	Wed	317 317 317 000	AM	(AB/MPJ)
E07	11539	4-10	1900	Wed	511 511 511 000	USB	(AB/HFD)
E07	10139	4-10	1920	Wed	511 511 511 000	USB	(AB/MPJ/HFD)
E07	7516	5-10	2010	Thu	584 584 584 000	AM	(AB)
E07	5186	5-10	2030	Thu	584 584 584 000	AM	(AB)
E07	11424	6-10	1510	Fri	411 411 411 000	USB	(AB/MPJ)
E07	10124	6-10	1530	Fri	411 411 411 000	USB	(AB/MPJ)
E07	9064	7-10	0600	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB/BvR)
E07	10264	7-10	0620	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB/BvR)
E07	11464	7-10	0640	Sat	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB/BvR)
E07	9064	8-10	0600	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	10264	8-10	0620	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	11464	8-10	0640	Sun	024 024 024 725 85 725 85 08354 39836 44599 ... 46550 21865 01778 000 000	USB	(AB)
E07	13376	8-10	1700	Sun	317 317 317 1 769 102 769 102 78900 47352 51537 ... 80379 34812 16861 000 000	AM	(AB/MPJ)
E07	12176	8-10	1720	Sun	317 317 317 1 769 102 769 102 78900 47352 51537 ... 80379 34812 16861 000 000	AM	(MPJ)
E07	11539	9-10	1900	Mon	511 511 511 000	USB	(AB/MPJ)
E07	10139	9-10	1920	Mon	511 511 511 000	USB	(AB/MPJ)
E07	17471	10-10	1100	Tue	489 489 489 000	USB	(MPJ)
E07	15871	10-10	1120	Tue	489 489 489 000	USB	(MPJ)
E07	13376	11-10	1700	Wed	317 317 317 317 1 769 102 769 102 78900 47352 51537 ... 80379 34812 16861 000 000 Stops half way and restarts with group 52	AM	(AB/MPJ/HFD)
E07	12176	11-10	1720	Wed	317 317 317 317 1 769 102 769 102 78900 47352 51537 ... 80379 34812 16861 000 000	AM	(AB/MPJ)
E07	11539	11-10	1900	Wed	511 511 511 000	USB	(AB/MPJ)
E07	10139	11-10	1920	Wed	511 511 511 000	USB	(AB/MPJ)
E07	7516	12-10	2010	Thu	584 584 584 1 30 70 30 70 17000 97328 98595 ... 49962 10701 31853 000 000	AM	(AB)
E07	5186	12-10	2030	Thu	584 584 584 1 30 70 30 70 17000 97328 98595 ... 49962 10701 31853 000 000	AM	(AB)

E07	4497	12-10	2050	Thu	584 584 584 1 30 70 30 70 17000 97328 98595 ... 49962 10701 31853 000 000	AM	(AB)
E07	17471	13-10	1100	Fri	489 489 489 000	USB	(AB/MPJ)
E07	15871	13-10	1120	Fri	489 489 489 000	USB	(AB/MPJ)
E07	11424	13-10	1510	Fri	411 411 411 000	USB	(AB)
E07	10124	13-10	1530	Fri	411 411 411 000	USB	(AB)
E07	9064	14-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	14-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	15-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	15-10	0620	Sun	024 024 024 000	USB	(AB)
E07	13376	15-10	1700	Sun	317 317 317 000	AM	(AB/MPJ/HFD)
E07	12176	15-10	1720	Sun	317 317 317 000	AM	(AB/MPJ/HFD)
E07	11539	16-10	1900	Mon	511 511 511 000	USB	(AB-RUS/MPJ)
E07	10139	16-10	1920	Mon	511 511 511 000	USB	(AB-RUS/MPJ)
E07	17471	17-10	1100	Tue	489 489 489 000	USB	(AB)
E07	15871	17-10	1120	Tue	489 489 489 000	USB	(AB)
E07	13376	18-10	1700	Wed	317 317 317 000	AM	(AB-HNG)
E07	12176	18-10	1720	Wed	317 317 317 000	AM	(AB-HNG)
E07	11539	18-10	1900	Wed	511 511 511 000	USB	(AB)
E07	10139	18-10	1920	Wed	511 511 511 000	USB	(AB)
E07	7516	19-10	2010	Thu	584 584 584 000	AM	(AB)
E07	5836	19-10	2030	Thu	584 584 584 000	AM	(AB)
E07	17471	20-10	1100	Fri	489 489 489 000	USB	(AB/R/HFDL)
E07	15871	20-10	1120	Fri	489 489 489 000	USB	(AB/HFD)
E07	11424	20-10	1510	Fri	411 411 411 000	USB	(AB/GHn)
E07	10124	20-10	1530	Fri	411 411 411 000	USB	(AB)
E07	9064	21-10	0600	Sat	024 024 024 000	USB	(AB/ES)
E07	10264	21-10	0620	Sat	024 024 024 000	USB	(AB/ES)
E07	9064	22-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	22-10	0620	Sun	024 024 024 000	USB	(AB)
E07	13376	22-10	1700	Sun	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ)
E07	12176	22-10	1720	Sun	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ)
E07	10776	22-10	1740	Sun	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ)
E07	11539	23-10	1900	Mon	511 511 511 000	USB	(AB/GHn/MPJ)
E07	10139	23-10	1920	Mon	511 511 511 000	USB	(AB/MPJ)
E07	17471	24-10	1100	Tue	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/ES/MPJ)
E07	15871	24-10	1120	Tue	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/ES/MPJ)
E07	13971	24-10	1140	Tue	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/ES/MPJ)
E07	13376	25-10	1700	Wed	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ)
E07	12176	25-10	1720	Wed	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ/BvR)
E07	10776	25-10	1740	Wed	317 317 317 1 206 82 206 82 31246 79444 83751 ... 61489 78615 75540 000 000	AM	(AB/MPJ/BvR)
E07	11539	25-10	1900	Wed	511 511 511 000	USB	(AB/MPJ)
E07	10139	25-10	1920	Wed	511 511 511 000	USB	(AB/GHn/MPJ)
E07	7516	26-10	2010	Thu	584 584 584 000	AM	(AB)
E07	5836	26-10	2030	Thu	584 584 584 000	AM	(AB)
E07	17471	27-10	1100	Fri	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/MPJ)
E07	15871	27-10	1120	Fri	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/MPJ)
E07	13971	27-10	1140	Fri	489 489 489 1 1797 80 1797 80 74824 58455 99415 ... 12978 61648 83921 000 000	USB	(AB/MPJ)

E07	11424	27-10	1510	Fri	411 411 411 000	USB	(AB/MPJ)
E07	10124	27-10	1530	Fri	411 411 411 000	USB	(AB/MPJ)
E07	9064	28-10	0600	Sat	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	10264	28-10	0620	Sat	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	11464	28-10	0640	Sat	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	9064	29-10	0600	Sun	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	10264	29-10	0620	Sun	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	11464	29-10	0640	Sun	024 024 024 1 942 128 942 128 80908 90911 03724 ... 52243 68505 40182 000 000	USB	(AB)
E07	13376	29-10	1700	Sun	317 317 317 1 794 83 794 83 43680 68320 42619 ... 63851 41080 73526 000 000	AM	(AB/MPJ)
E07	12176	29-10	1720	Sun	317 317 317 1 794 83 794 83 43680 68320 42619 ... 63851 41080 73526 000 000	AM	(AB/MPJ)
E07	10776	29-10	1740	Sun	317 317 317 1 794 83 794 83 43680 68320 42619 ... 63851 41080 73526 000 000	AM	(AB/MPJ)
E07	11539	30-10	1900	Mon	511 511 511 000	USB	(AB)
E07	10139	30-10	1920	Mon	511 511 511 000	USB	(AB)
E07	17471	31-10	1100	Tue	489 489 489 000	USB	(AB/MPJ)
E07	15871	31-10	1120	Tue	489 489 489 000	USB	(AB/MPJ)
E07a	8144	4-10	2000	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	6944	4-10	2020	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	5744	4-10	2040	Wed	197 197 197 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	6788	5-10	0430	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	7488	5-10	0450	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	8188	5-10	0510	Thu	741 741 741 1 38885 6885 43 6885 43 68876 94199 14229 ... 57040 79724 74454 000 000	USB	(AB)
E07a	11424	6-10	1510	Fri	411 411 411 000	USB	(HFD)
E07a	10124	6-10	1530	Fri	411 411 411 000	USB	(HFD)
E07a	11484	7-10	0800	Sat	413 413 413 000	USB	(AB/HFD)
E07a	12184	7-10	0820	Sat	413 413 413 000	USB	(AB/HFD)
E07a	8144	11-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	11-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	12-10	0430	Thu	741 741 741 000	USB	(AB/ES)
E07a	7488	12-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11484	14-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	14-10	0820	Sat	413 413 413 000	USB	(AB/BvR)
E07a	8144	18-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	18-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	19-10	0430	Thu	741 741 741 000	USB	(AB/ES)
E07a	7488	19-10	0450	Thu	741 741 741 000	USB	(AB/ES)
E07a	11484	21-10	0800	Sat	413 413 413 000	USB	(AB/ES)
E07a	12184	21-10	0820	Sat	413 413 413 000	USB	(AB/ES)
E07a	8144	25-10	2000	Wed	197 197 197 1 19985 810 47 810 47 26559 38861 55527 ... 74087 42569 29906 000 000	USB	(AB)
E07a	6944	25-10	2020	Wed	197 197 197 1 19985 810 47 810 47 26559 38861 55527 ... 74087 42569 29906 000 000	USB	(AB)
E07a	5744	25-10	2040	Wed	197 197 197 1 19985 810 47 810 47 26559 38861 55527 ... 74087 42569 29906 000 000	USB	(AB)
E07a	6788	26-10	0430	Thu	741 741 741 1 19985 810 47 810 47 26559 38861 55527 ... 74087 42569 29906 000 000	USB	(AB/ES)

E07a	7488	26-10	0450	Thu	741 741 741 1 19985 810 47 810 47 26559 38861 55527 ...74087 42569 29906 000 000	USB	(AB/ES)
E07a	8188	26-10	0510	Thu	741 741 741 1 19985 810 47 810 47 26559 38861 55527 ...74087 42569 29906 000 000	USB	(AB/ES)
E07a	11484	28-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	28-10	0820	Sat	413 413 413 000	USB	(AB)
E11	8102	1-10	0710	Sun	497/00	USB	(AB)
E11	9200	1-10	0805	Sun	313/00	USB	(AB)
E11	6397	1-10	1605	Sun	238/00	USB	(AB/BvR/MPJ)
E11	10448	1-10	1625	Sun	975/00	USB	(AB/BvR/MPJ)
E11	13873	1-10	1650	Sun	925/00	USB	(AB/BvR/MPJ)
E11	13470	1-10	1745	Sun	245/00	USB	(MPJ)
E11	8530	1-10	1910	Sun	616/00	USB	(AB/MPJ/GHn)
E11	5371	2-10	0450	Mon	418/00	USB	(AB)
E11	7317	2-10	0530	Mon	644/00	USB	(AB)
E11	13470	2-10	0600	Mon	189/00	USB	(AB)
E11	12153	2-10	0640	Mon	941/00	USB	(AB)
E11	10213	2-10	0745	Mon	264/00	USB	(AB)
E11	20286	2-10	1225	Mon	524/00	USB	(AB-GRC/MPJ)
E11	10800	3-10	0645	Tue	512/00	USB	(AB)
E11	9963	3-10	0710	Tue	631/00	USB	(AB)
E11	12530	3-10	0820	Tue	130/00	USB	(AB)
E11	10246	3-10	0845	Tue	156/00	USB	(AB)
E11	7840	3-10	1000	Tue	308/00	USB	(AB)
E11	8102	3-10	1045	Tue	570/00	USB	(AB/MPJ)
E11	7727	3-10	1205	Tue	469/00	USB	(AB/MPJ)
E11	13046	3-10	1345	Tue	914/00	USB	(AB/MPJ)
E11	6397	3-10	1605	Tue	230/00	USB	(AB/MPJ)
E11	10800	3-10	1645	Tue	334/00	USB	(AB/MPJ/RL)
E11	10620	3-10	1925	Tue	558/00	USB	(AB/MPJ)
E11	7850	4-10	0315	Wed	256/00	USB	(HFD)
E11	12153	4-10	0640	Wed	949/00	USB	(AB)
E11	17410	4-10	0745	Wed	340/00	USB	(AB-UKR)
E11	12530	4-10	0820	Wed	135/00	USB	(AB)
E11	6807	4-10	0930	Wed	277/00	USB	(AB/MPJ)
E11	7727	4-10	1205	Wed	466/00	USB	(AB)
E11	10800	4-10	1645	Wed	334/00	USB	(HFD)
E11	5844	4-10	1730	Wed	400/00	USB	(AB)
E11	7371	5-10	0530	Thu	644/00	USB	(AB)
E11	10800	5-10	0645	Thu	512/00	USB	(AB)
E11	10246	5-10	0845	Thu	152/00	USB	(AB)
E11	6807	5-10	0930	Thu	279/00	USB	(AB)
E11	10302	5-10	1300	Thu	587/00	USB	(AB/MPJ)
E11	10330	5-10	1530	Thu	268/00	USB	(AB/MPJ)
E11	10800	5-10	1645	Thu	338/00	USB	(AB/MPJ)
E11	7864	5-10	1730	Thu	418/00	USB	(AB/MPJ/BvR)
E11	10620	5-10	1925	Thu	577/00	USB	(MPJ)
E11	13470	6-10	0600	Fri	180/00	USB	(AB-S)
E11	9963	6-10	0710	Fri	635/00	USB	(AB)
E11	7840	6-10	1000	Fri	307/00	USB	(AB/MPJ)
E11	20286	6-10	1225	Fri	522/00	USB	(AB-GRC/MPJ)
E11	13873	6-10	1650	Fri	927/00	USB	(AB/MPJ)
E11	7377	6-10	2000	Fri	574/00	USB	(AB/MPJ)
E11	8102	7-10	0710	Sat	491/00	USB	(AB/BvR)
E11	10302	7-10	1300	Sat	580/00	USB	(AB/BvR)
E11	13046	7-10	1345	Sat	914/00	USB	(AB/MPJ)
E11	5844	7-10	1730	Sat	403/00	USB	(AB)
E11	8186	7-10	2005	Sat	369/00	USB	(AnEur)
E11	8102	8-10	0710	Sun	491/00	USB	(AB/ML4)
E11	6397	8-10	1605	Sun	231/00	USB	(AB/MPJ)

E11	13873	8-10	1650	Sun	925/00	USB	(AB/MPJ)
E11	8186	8-10	2005	Sun	366/00	USB	(AB)
E11	5371	9-10	0450	Mon	418/00	USB	(AB)
E11	7317	9-10	0530	Mon	646/00	USB	(AB)
E11	12153	9-10	0640	Mon	946/00	USB	(AB/HFD)
E11	10213	9-10	0745	Mon	268/00	USB	(AB)
E11	6804	9-10	0820	Mon	439/00	USB	(AB)
E11	9399	9-10	0900	Mon	537/00	USB	(AB)
E11	20286	9-10	1225	Mon	520/00	USB	(AB-GRC/MPJ)
E11	13470	9-10	1745	Mon	248/00	USB	(MPJ)
E11	10800	10-10	0645	Tue	517/00	USB	(AnEur)
E11	9963	10-10	0710	Tue	637/00	USB	(AnEur)
E11	13046	10-10	1345	Tue	917/00	USB	(MPJ)
E11	10800	10-10	1645	Tue	335/00	USB	(MPJ/BvR)
E11	12153	11-10	0640	Wed	942/00	USB	(AB)
E11	17410	11-10	0745	Wed	346/00	USB	(AnEur)
E11	9399	11-10	0900	Wed	532/00	USB	(AB/MPJ)
E11	6807	11-10	0930	Wed	270/00	USB	(AB/MPJ)
E11	10448	11-10	1625	Wed	975/00	USB	(MPJ)
E11	10213	11-10	1705	Wed	395/00	USB	(AB/MPJ/BvR)
E11	5844	11-10	1730	Wed	405/00	USB	(MPJ/BvR)
E11	7371	12-10	0530	Thu	649/00	USB	(AB)
E11	10800	12-10	0645	Thu	510/00	USB	(AB)
E11	6804	12-10	0820	Thu	431/00	USB	(AB)
E11	6807	12-10	0930	Thu	279/00	USB	(AB)
E11	10302	12-10	1300	Thu	585/00	USB	(GHn)
E11	10330	12-10	1530	Thu	268/00	USB	(AB/MPJ)
E11	10800	12-10	1645	Thu	330/00	USB	(AB/MPJ)
E11	7864	12-10	1730	Thu	413/00	USB	(AB/MPJ/BvR)
E11	9963	13-10	0710	Fri	635/00	USB	(AB)
E11	20286	13-10	1225	Fri	525/00	USB	(AB-GRC/MPJ)
E11	13873	13-10	1650	Fri	926/00	USB	(AB-AUT/MPJ)
E11	8530	13-10	1910	Fri	613/00	USB	(AB/MPJ)
E11	8102	14-10	0710	Sat	496/00	USB	(AB)
E11	10302	14-10	1300	Sat	583/00	USB	(AB/MPJ)
E11	10213	14-10	1705	Sat	392/00	USB	(AB/MPJ)
E11	5844	14-10	1730	Sat	402/00	USB	(AB)
E11	8186	14-10	2005	Sat	363/00	USB	(AB)
E11	8102	15-10	0710	Sun	495/00	USB	(AB)
E11	9200	15-10	0805	Sun	310/00	USB	(AB/BvR)
E11	10448	15-10	1625	Sun	975/00	USB	(AB/MPJ)
E11	13873	15-10	1650	Sun	924/00	USB	(AB/MPJ)
E11	13470	15-10	1745	Sun	242/00	USB	(AB/MPJ)
E11	8530	15-10	1910	Sun	613/00	USB	(AB/MPJ)
E11	8186	15-10	2005	Sun	363/00	USB	(AB)
E11	7317	16-10	0530	Mon	648/00	USB	(AB-UKR)
E11	13470	16-10	0600	Mon	182/00	USB	(AB)
E11	12153	16-10	0640	Mon	940/00	USB	(AB)
E11	6804	16-10	0820	Mon	436/00	USB	(AB)
E11	9399	16-10	0900	Mon	538/00	USB	(AB/MPJ)
E11	13470	16-10	1745	Mon	249/00	USB	(MPJ)
E11	10246	17-10	0845	Tue	152/00	USB	(AB)
E11	7840	17-10	1000	Tue	307/00	USB	(AB)
E11	8102	17-10	1045	Tue	570/00	USB	(AB)
E11	7727	17-10	1205	Tue	469/00	USB	(AB)
E11	13046	17-10	1345	Tue	914/00	USB	(AB)
E11	6397	17-10	1605	Tue	238/00	USB	(AB)
E11	10620	17-10	1925	Tue	553/00	USB	(AB/MPJ)
E11	12153	18-10	0640	Wed	945/00	USB	(AB/ES)
E11	17410	18-10	0745	Wed	344/00	USB	(AB)

E11	12530	18-10	0820	Wed	131/00	USB	(AB)
E11	9399	18-10	0900	Wed	533/00	USB	(AB)
E11	7727	18-10	1205	Wed	460/00	USB	(AB)
E11	10448	18-10	1625	Wed	975/00	USB	(AB)
E11	10213	18-10	1705	Wed	399/00	USB	(AB/BvR)
E11	7371	19-10	0530	Thu	646/00	USB	(AB)
E11	6804	19-10	0820	Thu	430/00	USB	(AB)
E11	10302	19-10	1300	Thu	586/00	USB	(GHn)
E11	10620	19-10	1925	Thu	557/00	USB	(AB)
E11	13470	20-10	0600	Fri	185/00	USB	(AB)
E11	9963	20-10	0710	Fri	634/00	USB	(AB)
E11	17410	20-10	0745	Fri	348/00	USB	(AB)
E11	7840	20-10	1000	Fri	309/00	USB	(AB)
E11	13873	20-10	1650	Fri	920/00	USB	(AnEur)
E11	8530	20-10	1910	Fri	617/00	USB	(AnEur)
E11	7377	20-10	2000	Fri	576/00	USB	(AB)
E11	8102	21-10	0710	Sat	498/00	USB	(AB)
E11	9200	21-10	0805	Sat	310/00	USB	(AB/ES)
E11	10302	21-10	1300	Sat	589/00	USB	(AB)
E11	10213	21-10	1705	Sat	395/00	USB	(AB)
E11	8102	22-10	0710	Sun	496/00	USB	(AB)
E11	9200	22-10	0805	Sun	319/00	USB	(AB)
E11	6397	22-10	1605	Sun	237/00	USB	(AB)
E11	10448	22-10	1625	Sun	974/00	USB	(AB)
E11	13873	22-10	1650	Sun	921/00	USB	(AB/MPJ)
E11	8530	22-10	1910	Sun	612/00	USB	(AB/MPJ)
E11	5371	23-10	0450	Mon	418/00	USB	(AB/HFD)
E11	5371	23-10	0450	Mon	418/00	USB	(HFD)
E11	13470	23-10	0600	Mon	182/00	USB	(AB)
E11	10213	23-10	0745	Mon	269/00	USB	(AB)
E11	6804	23-10	0820	Mon	436/00	USB	(AB)
E11	9399	23-10	0900	Mon	537/00	USB	(AB/MPJ)
E11	20286	23-10	1225	Mon	525/00	USB	(AB-GRC/MPJ)
E11	13470	23-10	1745	Mon	247/00	USB	(MPJ-UKR)
E11	10800	24-10	0645	Tue	510/00	USB	(AB/ES)
E11	12530	24-10	0820	Tue	136/00	USB	(AB)
E11	10246	24-10	0845	Tue	154/00	USB	(AB)
E11	17840	24-10	1000	Tue	305/00	USB	(AB/MPJ)
E11	8102	24-10	1045	Tue	576/00	USB	(AB/ES/MPJ)
E11	7727	24-10	1205	Tue	460/00	USB	(AB/MPJ)
E11	6397	24-10	1605	Tue	231/00	USB	(AB/MPJ)
E11	10800	24-10	1645	Tue	331/00	USB	(AB/MPJ)
E11	10620	24-10	1925	Tue	557/00	USB	(AB/MPJ)
E11	7850	25-10	0315	Wed	253/00	USB	(AB)
E11	12530	25-10	0820	Wed	134/00	USB	(AB)
E11	9399	25-10	0900	Wed	533/00	USB	(AB/MPJ/ES)
E11	6807	25-10	0930	Wed	273/00	USB	(AB/MPJ)
E11	7727	25-10	1205	Wed	463/00	USB	(AB/MPJ)
E11	10448	25-10	1625	Wed	972/00	USB	(BvR/MPJ)
E11	10213	25-10	1705	Wed	393/00	USB	(BvR)
E11	5844	25-10	1730	Wed	409/00	USB	(AB/BvR)
E11	10800	26-10	0645	Thu	512/00	USB	(AB)
E11	6804	26-10	0820	Thu	438/00	USB	(AB)
E11	6807	26-10	0930	Thu	279/00	USB	(AB)
E11	10330	26-10	1530	Thu	268/00	USB	(AB/MPJ)
E11	10800	26-10	1645	Thu	332/00	USB	(AB/MPJ)
E11	7864	26-10	1730	Thu	410/00	USB	(AB/MPJ)
E11	10620	26-10	1925	Thu	551/00	USB	(AB/GHn/MPJ)
E11	13470	27-10	0600	Fri	181/00	USB	(AB)
E11	7840	27-10	1000	Fri	309/00	USB	(AB/MPJ)

E11	20286	27-10	1225	Fri	527/00	USB	(AB-G/MPJ)
E11	8530	27-10	1910	Fri	618/00	USB	(AB/MPJ)
E11	9200	28-10	0805	Sat	310/00	USB	(AB)
E11	10302	28-10	1300	Sat	583/33 Attention 72684 63788 25462 ... 01826 68859 37688 Attention, rpt msg, out	USB	(AB)
E11	10213	28-10	1705	Sat	393/00	USB	(AB/MPJ)
E11	5844	28-10	1730	Sat	405/00	USB	(AB/MPJ)
E11	8186	28-10	2005	Sat	363/00	USB	(AB)
E11	9200	29-10	0805	Sun	311/00	USB	(AB)
E11	6397	29-10	1605	Sun	237/00	USB	(AB/MPJ)
E11	10448	29-10	1625	Sun	970/00	USB	(AB)
E11	8530	29-10	1910	Sun	618/00	USB	(AB/MPJ)
E11	8186	29-10	2005	Sun	364/00	USB	(MPJ)
E11	5371	30-10	0450	Mon	418/00	USB	(AB)
E11	13470	30-10	0600	Mon	188/00	USB	(AB)
E11	12153	30-10	0640	Mon	945/00	USB	(AB)
E11	10213	30-10	0745	Mon	264/00	USB	(AB)
E11	6804	30-10	0820	Mon	435/00	USB	(AB)
E11	9399	30-10	0900	Mon	535/00	USB	(AB)
E11	20286	30-10	1225	Mon	528/00	USB	(AB-G/MPJ)
E11	10800	31-10	0645	Tue	518/00	USB	(AB)
E11	9963	31-10	0710	Tue	630/00	USB	(AB)
E11	10246	31-10	0845	Tue	155/00	USB	(AB)
E11	17840	31-10	1000	Tue	308/00	USB	(AB/MPJ)
E11	8102	31-10	1045	Tue	577/00	USB	(AB/MPJ)
E11	7727	31-10	1205	Tue	461/00	USB	(AB/MPJ)
E11	13046	31-10	1345	Tue	912/00	USB	(AB/MPJ)
E11	6397	31-10	1605	Tue	237/00	USB	(AB/MPJ)
E11	10800	31-10	1645	Tue	332/00	USB	(AB/MPJ)
E11	10620	31-10	1925	Tue	550/00	USB	(AB/MPJ-AUT)
E11a	6804	2-10	0820	Mon	436/33 Attention 56478 27810 95521 ... 36237 02219 12616 Attention, rpt msg, out	USB	(AB)
E11a	9399	2-10	0900	Mon	537/37 Attention 38562 42970 11685 ... 95026 23476 57906 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	2-10	1745	Mon	249/34 Attention ...	USB	(AB)
E11a	9399	4-10	0900	Wed	537/37 Attention 38562 42970 ... 95026 23476 57906 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	10448	4-10	1625	Wed	975/32 Attention 68883 35560 21334 ... 43341 75327 70979 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	10213	4-10	1705	Wed	396/37 Attention 59765 67373 89940 ... 92855 84930 24326 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6804	5-10	0820	Thu	436/33 Attention 56478 27810 95521 ... 36237 02219 12616 Attention, rpt msg, out	USB	(AB)
E11a	8530	6-10	1910	Fri	611/31 Attention 29781 56904 23014 ... 57100 42506 20326 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9200	7-10	0805	Sat	316/40 Attention 53134 60694 96227 ... 06686 21200 68454 Attention, rpt msg, out	USB	(AB)
E11a	10213	7-10	1705	Sat	396/37 Attention 59765 67373 89940 ... 92855 84930 24326 Attention, rpt msg, out	USB	(AB/MPJ/BvR)
E11a	9200	8-10	0805	Sun	316/40 Attention 53134 60694 96227 ... 06686 21200 68454 Attention, rpt msg, out	USB	(AB)
E11a	10448	8-10	1625	Sun	975/32 Attention 68883 35560 21334 ... 43341 75327 70979 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	8-10	1745	Sun	249/34 Attention 12720 14991 02761 ... 88157 85503 35795	USB	(MPJ)
E11a	8530	8-10	1910	Sun	611/31 Attention 29781 56904 23014 ... 57100 42506 20326 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	9-10	0600	Mon	188/21 Attention 23961 23775 99773 ... 19632 40274 92466 Attention, rpt msg, out	USB	(AB)
E11a	10246	10-10	0845	Tue	154/31 Attention ...	USB	(AnEur)

E11a	7840	10-10	1000	Tue	306/28 Attention 72135 79398 24287 ... 85526 99317 66825 Attention, rpt msg, out	USB	(MPJ)
E11a	8102	10-10	1045	Tue	573/31 Attention 41543 68219 10770 ... 07887 08523 03371 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	7727	10-10	1205	Tue	463/35 Attention 15364 41729 01541 ... 43695 28073 00857 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6397	10-10	1605	Tue	231/33 Attention 54708 14611 18176 ... 80012 68424 66204	USB	(MPJ)
E11a	10620	10-10	1925	Tue	558/35 Attention 66345 40441 80809 ... 44522 13560 57074 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	12530	11-10	0820	Wed	136/38 Attention 83722 78772 41682 ... 63598 14429 15404 Attention, rpt msg, out	USB	(AB)
E11a	7727	11-10	1205	Wed	463/35 Attention 15364 41729 01541 ... 43695 28073 00857 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	10620	12-10	1925	Thu	558/35 Attention 66345 40441 80809 ... 44522 13560 57074 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	13470	13-10	0600	Fri	188/21 Attention 23961 23775 99773 ... 19632 40274 92466 Attention, rpt msg, out	USB	(AB)
E11a	7840	13-10	1000	Fri	306/28 Attention 72135 79398 24287 ... 85526 99317 66825 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	6397	15-10	1605	Sun	231/33 Attention 54708 14611 18176 ... 80012 68424 66204 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	5371	16-10	0450	Mon	412/34 Attention 50366 50340 34079 ... 74114 45417 72291 Attention, rpt msg, out	USB	(AB)
E11a	10213	16-10	0745	Mon	269/33 Attention 77304 14862 00329 ... 56433 09448 06164 Attention, rpt msg, out	USB	(AB)
E11a	20286	16-10	1225	Mon	522/35 Attention 63900 43126 02632 ... 98605 87954 03654 Attention, rpt msg, out	USB	(AB- GRC/GHn/MPJ)
E11a	10800	17-10	1645	Tue	337/33 Attention 54643 45076 20092 ... 39247 72168 94583 Attention, rpt msg, out	USB	(AB)
E11a	6807	18-10	0930	Wed	270/38 Attention 12109 00071 35808 ... 08227 33277 71035 Attention, rpt msg, out	USB	(AB)
E11a	5844	18-10	1730	Wed	405/40 Attention 66581 45597 57263 ... 60229 10020 58528 Attention, rpt msg, out	USB	(AB/grz/BvR)
E11a	10800	19-10	0645	Thu	519/35 Attention 51172 78922 20130 ... 93476 14740 79177 Attention, rpt msg, out	USB	(AB)
E11a	6807	19-10	0930	Thu	270/38 Attention 12109 00071 35808 ... 08227 33277 71035 Attention, rpt msg, out	USB	(AB)
E11a	10330	19-10	1530	Thu	269/33 Attention 77304 14862 00329 ... 56433 09448 06164 Attention, rpt msg, out	USB	(AB)
E11a	10800	19-10	1645	Thu	337/33 Attention 54643 45076 20092 ... 39247 72168 94583 Attention, rpt msg, out	USB	(AB)
E11a	7864	19-10	1730	Thu	412/34 Attention 50366 50340 34079 ... 74114 45417 72291 Attention, rpt msg, out	USB	(AB/BvR)
E11a	20286	20-10	1225	Fri	522/35 Attention 63900 43126 02632 ... 98605 87954 03654 Attention, rpt msg, out	USB	(AB)
E11a	5844	21-10	1730	Sat	405/40 Attention 66581 45597 57263 ... 60229 10020 58528 Attention, rpt msg, out	USB	(AB/ES)
E11a	8186	21-10	2005	Sat	368/36 Attention 25918 24407 11014 ... 77714 91972 49826 Attention, rpt msg, out	USB	(AB)
E11a	8186	22-10	2005	Sun	368/36 Attention 25918 24407 11014 ... 77714 91972 49826 Attention, rpt msg, out	USB	(AB)
E11a	7317	23-10	0530	Mon	649/39 Attention 92703 36890 95218 ... 55103 54434 77443 Attention, rpt msg, out	USB	(AB-S)
E11a	12153	23-10	0640	Mon	946/38 Attention 07805 28510 91330 ... 39330 86166 71652 Attention, rpt msg, out	USB	(AB)
E11a	9963	24-10	0710	Tue	633/35 Attention 59987 25614 58779 ... 61952 97105 52871 Attention, rpt msg, out	USB	(AB)
E11a	13046	24-10	1345	Tue	917/37 Attention 51197 75296 71490 ... 53656 57701 44622 Attention, rpt msg, out	USB	(AB/MPJ)

E11a	12153	25-10	0640	Wed	946/38 Attention 07805 28510 91330 ... 39330 86166 71652 Attention, rpt msg, out	USB	(AB/ES)
E11a	17410	25-10	0745	Wed	344/40 Attention 95510 84952 85525 ... 97181 13226 66507 Attention, rpt msg, out	USB	(AB)
E11a	7371	26-10	0530	Thu	649/39 Attention 92703 36890 95218 ... 55103 54434 77443 Attention, rpt msg, out	USB	(AB/ES)
E11a	10302	26-10	1300	Thu	583/33 Attention 72684 63788 25462 ... 01826 68859 37688 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	9963	27-10	0710	Fri	633/35 Attention 59987 25614 58779 ... 61952 97105 52871 Attention, rpt msg, out	USB	(AB)
E11a	17410	27-10	0745	Fri	344/40 Attention 95510 84952 85525 ... 97181 13226 66507 Attention, rpt msg, out	USB	(AB)
E11a	13873	27-10	1650	Fri	923/33 ? unreadable	USB	(MPJ)
E11a	8102	28-10	0710	Sat	497/38 Attention 30334 55814 90235 ... 42117 73833 74162 Attention, rpt msg, out	USB	(AB)
E11a	13046	28-10	1345	Sat	917/37 Attention 51197 75296 71490 ... 53656 57701 44622 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8102	29-10	0710	Sun	497/38 Attention 30334 55814 90235 ... 42117 73833 74162 Attention, rpt msg, out	USB	(AB)
E11a	13873	29-10	1650	Sun	929/37 Attention 74927 77079 53559 ...	USB	(MPJ)
E11a	13470	30-10	1745	Mon	244?? unreadable	USB	(MPJ)
E17z	14260	5-10	0800	Thu	674 820 5 51326 41878 48807 29229 32184 820 5 00000	USB	(AB-G)
E17z	12930	5-10	0810	Thu	674 820 5 51326 41878 48807 29229 32184 820 5 00000	USB	(AB-G)
E17z	10240	6-10	1525	Fri	Test till 1551 UTC: 274 2222222222222 274 958 31 35415 43943 43500 04721 97964 ... (see N&O 241)	USB	(Danix)
E17z	14260	12-10	0800	Thu	674 820 5 51326 41878 48807 29229 32184 820 5 00000	USB	(AB-S)
E17z	12930	12-10	0810	Thu	674 820 5 51326 41878 48807 29229 32184 820 5 00000	USB	(AB-S)
E17z	14260	19-10	0800	Thu	674 823 5 19804 96845 22444 08374 98662 823 5 00000	USB	(AB/ES)
E17z	12930	19-10	0810	Thu	674 823 5 19804 96845 22444 08374 98662 823 5 00000	USB	(AB/ES)
E17z	14260	26-10	0800	Thu	674 823 5 19804 96845 22444 08374 98662 823 5 00000	USB	(AB)
E17z	12930	26-10	0810	Thu	674 823 5 19804 96845 22444 08374 98662 823 5 00000	USB	(AB)
E25	6140	31-10	0942	Tue	Tests	AM	(dmhz)
E25	6140	31-10	0946	Tue	Tests	AM	(dmhz)
EGY	14622.7	3-10	1349	Tue	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	12222.7	24-10	1700	Tue	MFA Cairo msg to RCVB: Egyptian embassy Wa- shington	SITOR-A 100/170	(AB)
EGY	10156.7	25-10	1458	Wed	Egyptian diplo i.p.	Sitor-A 100/170	(AB)
EGY	6773.7	26-10	1446	Thu	Egyptian diplo i.p.	SITOR 100/170	(AB)
EGY	4067.7	29-10	1755	Sun	MFA Cairo wkg TVVF: Egyptian embassy Beirut	SITOR-A 100/170	(WP3)
EGY	5131.7	29-10	1757	Sun	71: MFA Cairo wkg 8: Egyptian embassy Beirut	SITOR-A 100/170	(WP3)
EGY	16009.7	30-10	1317	Mon	Egyptian diplo i.p. B8E 5E1\$: 055F7 859FPEYB F3F 7CB56 72B7F AACFEAE E3-4.)9D9AD EQ OCF ... NNN	SITOR-A 100/170	(AB)
EGY	16023.7	30-10	1335	Mon	MFA Cairo clg OOV: Egyptian embassy New Delhi: OOV OOV OOV GQFY 51471 JG KDC- FUSG LJFQOGK RGK HUX+?6 (6, then briefly into	SITOR-A 100/170	(AB)

[illegible]

F03	11486	3-10	0835	Tue	Polish Intel.: 8 blocks data	FSK 100/200	(Danix)
F03	11486	3-10	0840	Tue	Polish Intel.: 8 blocks data	FSK 100/200	(Danix)
F03	7840	3-10	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	3-10	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03	9200	5-10	1000	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	5-10	1005	Thu	Polish Intel.	FSK 100/200	(AB)
F03	7840	5-10	1800	Thu	Polish Intel.	FSK 100/200	(AB/BvR)
F03	7840	5-10	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	9-10	1005	Mon	Polish Intel.	FSK 200/400	(AB)
F03	11486	12-10	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03	11486	12-10	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	12-10	1000	Thu	Polish Intel.	FSK 200/400	(AB)
F03	9200	12-10	1005	Thu	Polish Intel.	FSK 200/400	(AB)
F03	7840	12-10	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03	7840	12-10	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	16-10	1000	Mon	Polish Intel.	FSK 200/400	(AB)
F03	9200	16-10	1005	Mon	Polish Intel.	FSK 200/400	(AB)
F03	11486	17-10	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03	11486	17-10	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	17-10	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	17-10	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	17-10	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	17-10	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03	11486	19-10	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03	11486	19-10	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	19-10	1000	Thu	Polish Intel.	FSK 200/400	(AB)
F03	9200	19-10	1005	Thu	Polish Intel.	FSK 200/400	(AB)
F03	7840	19-10	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03	7840	19-10	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03	10728	20-10	0945	Fri	Polish Intel.	FSK 100/200	(AB)

F03	10728	20-10	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03	9200	23-10	1000	Mon	Polish Intel.	FSK 200/400	(AB)
F03	9200	23-10	1005	Mon	Polish Intel.	FSK 200/400	(AB)
F03	11486	24-10	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03	11486	24-10	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	24-10	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	24-10	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	24-10	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	24-10	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03	11486	26-10	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03	11486	26-10	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03	9200	26-10	1000	Thu	Polish Intel.	FSK 200/400	(AB)
F03	9200	26-10	1005	Thu	Polish Intel.	FSK 200/400	(AB)
F03	7840	26-10	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03	7840	26-10	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03	10728	27-10	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03	10728	27-10	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03	9200	30-10	1000	Mon	Polish Intel.	FSK 200/400	(AB)
F03	9200	30-10	1005	Mon	Polish Intel.	FSK 200/400	(AB)
F03	11486	31-10	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03	11486	31-10	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	31-10	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03	10728	31-10	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	31-10	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03	7840	31-10	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F06	16174	1-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix/MPJ)
F06	14855	1-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix/MPJ)
F06	12214	1-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 13859 29010 00729	FSK 200/1000	(AB/Danix/MPJ)
F06	12189	1-10	1530	Sun	Russian diplo/intel. 11166 10053 17935 01062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10734	1-10	1540	Sun	Russian diplo/intel. 11166 10053 17935 01062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)

F06	9129	1-10	1550	Sun	Russian diplo/intel. 11166 10053 17935 01062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/BvR)
F06	9354	2-10	0400	Mon	Russian diplo/intel. 11166 70059 17935 02019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	7956	2-10	0410	Mon	Russian diplo/intel. 11166 70059 17935 02019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	6774	2-10	0420	Mon	Russian diplo/intel. 11166 70059 17935 02019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13546	3-10	1500	Tue	Russian diplo/intel. 11166 00052 01234 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	11535	3-10	1510	Tue	Russian diplo/intel. 11166 00052 01234 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9256	3-10	1520	Tue	Russian diplo/intel. 11166 00052 01234 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	12215	3-10	1650	Tue	Russian diplo/intel. 11166 10053 19375 03001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)
F06	10814	3-10	1700	Tue	Russian diplo/intel. 11166 10053 19375 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9046	3-10	1710	Tue	Russian diplo/intel. 11166 10053 19375 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	19268	4-10	0600	Wed	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	17548	4-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	15779	4-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	19448	4-10	0800	Wed	Russian diplo/intel. 11166 70048 35789 04045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17503	4-10	0810	Wed	Russian diplo/intel. 11166 70048 35789 04045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15619	4-10	0820	Wed	Russian diplo/intel. 11166 70048 35789 04045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	19363	4-10	1230	Wed	Russian diplo/intel. 11166 90073 13579 04065 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17476	4-10	1240	Wed	Russian diplo/intel. 11166 90073 13579 04065 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15873	4-10	1250	Wed	Russian diplo/intel. 11166 90073 13579 04065 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	19268	5-10	0600	Thu	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	17548	5-10	0610	Thu	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	15779	5-10	0620	Thu	Russian diplo/intel. Header: 11166 40122 30148 30041 03469	FSK 200/1000	(AB-KOR)
F06	17423	7-10	1050	Sat	Russian diplo/intel. Test: 20886726956421683539705420886726956400 4646464646464646	FSK 200/1000	(AB)
F06	17423	7-10	1051	Sat	Russian diplo/intel. Test: 4646464646464646 4646464646464646	FSK 200/1000	(AB)
F06	17423	7-10	1100	Sat	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	15628	7-10	1110	Sat	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	13385	7-10	1120	Sat	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	22963	7-10	1500	Sat	Russian diplo/intel. 11166 40133 91735 07001 00049 00000 00000 00000 00000	FSK 200/1000	(Danix)

F06	20461	7-10	1510	Sat	Russian diplo/intel. 11166 40133 91735 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/RL)
F06	18356	7-10	1520	Sat	Russian diplo/intel. 11166 40133 91735 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ/ RL/BvR)
F06	17423	8-10	1100	Sun	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	15628	8-10	1110	Sun	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	13385	8-10	1120	Sun	Russian diplo/intel. Headers: 11166 50046 79314 06011 01549 and 11166 50046 93175 06012 01109	FSK 200/1000	(AB/Danix/MPJ)
F06	12189	8-10	1530	Sun	Russian diplo/intel. 11166 10053 07814 08062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10734	8-10	1540	Sun	Russian diplo/intel. 11166 10053 07814 08062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	9129	8-10	1550	Sun	Russian diplo/intel. 11166 10053 07814 08062 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	13546	10-10	1500	Tue	Russian diplo/intel. 11166 00052 84259 10057 00049 00000 00000	FSK 200/1000	(MPJ)
F06	12215	10-10	1652	Tue	Russian diplo/intel. 11166 10053 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(BvR)
F06	10814	10-10	1702	Tue	Russian diplo/intel. 11166 10053 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(BvR)
F06	9046	10-10	1711	Tue	Russian diplo/intel. 11166 10053 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(BvR)
F06	19268	11-10	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-KOR)
F06	17548	11-10	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-KOR)
F06	15779	11-10	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-KOR)
F06	19448	11-10	0800	Wed	Russian diplo/intel. 11166 70048 12345 11003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20018	11-10	0800	Wed	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-IRL)
F06	17503	11-10	0810	Wed	Russian diplo/intel. 11166 70048 12345 11003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18325	11-10	0810	Wed	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-IRL)
F06	15619	11-10	0820	Wed	Russian diplo/intel. 11166 70048 12345 11003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16248	11-10	0820	Wed	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-IRL)
F06	19476	11-10	0915	Wed	Russian diplo/intel. 11166 10031 91735 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	17458	11-10	0925	Wed	Russian diplo/intel. 11166 10031 91735 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL/MPJ)
F06	15884	11-10	0935	Wed	Russian diplo/intel. 11166 10031 91735 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19268	12-10	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-CHN)

F06	17548	12-10	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-KOR)
F06	15779	12-10	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 98732 07042 03029 and 11166 40122 12365 07043 02909	FSK 200/1000	(AB-KOR)
F06	20018	12-10	0800	Thu	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-RUS)
F06	18325	12-10	0810	Thu	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB-RUS)
F06	16248	12-10	0820	Thu	Russian diplo/intel. Two messages. Headers: 11166 00052 37495 08019 02069 and 11166 00052 86451 08020 02129	FSK 200/1000	(AB)
F06	13376	12-10	1340	Thu	Russian diplo/intel. 11166 80214 15937 12056 00049 00000 00000 00000 00000	FSK 200/1000	(AB-G/MPJ)
F06	11108	12-10	1350	Thu	Russian diplo/intel. 11166 80214 15937 12056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14986	14-10	0800	Sat	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix)
F06	12219	14-10	0810	Sat	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix)
F06	10574	14-10	0820	Sat	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix/BvR)
F06	18919	14-10	0900	Sat	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	16268	14-10	0910	Sat	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	14486	14-10	0920	Sat	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	17423	14-10	1100	Sat	Russian diplo/intel. Header: 11166 50046 37812 13013 00849	FSK 200/1000	(AB/Danix/MPJ)
F06	15628	14-10	1110	Sat	Russian diplo/intel. Header: 11166 50046 37812 13013 00849	FSK 200/1000	(AB/Danix/MPJ)
F06	13385	14-10	1120	Sat	Russian diplo/intel. Header: 11166 50046 37812 13013 00849	FSK 200/1000	(AB/Danix/MPJ)
F06	22963	14-10	1500	Sat	Russian diplo/intel. 11166 40133 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix)
F06	20461	14-10	1510	Sat	Russian diplo/intel. 11166 40133 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix/MPJ)
F06	18356	14-10	1520	Sat	Russian diplo/intel. 11166 40133 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/Danix/MPJ)
F06	14986	15-10	0800	Sun	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix)
F06	12219	15-10	0810	Sun	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix)
F06	10574	15-10	0820	Sun	Russian diplo/intel. Header: 11166 70147 36814 13067 01289	FSK 200/1000	(AB/Danix)
F06	18919	15-10	0900	Sun	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	16268	15-10	0910	Sun	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	14486	15-10	0920	Sun	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB-RUS/Danix)
F06	17423	15-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 37812 13013 00849	FSK 200/1000	(AB/Danix/MPJ)
F06	15628	15-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 37812 13013 00849	FSK 200/1000	(AB/Danix/MPJ)
F06	13385	15-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 37812	FSK	(AB/Danix/MPJ)

					13013 00849	200/1000	
F06	12189	15-10	1522	Sun	Russian diplo/intel. Test: 4646464646464646 4646464646464646 4646464646464646	FSK 200/1000	(AB/Danix)
F06	12189	15-10	1530	Sun	Russian diplo/intel. 11166 10053 56248 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	10734	15-10	1540	Sun	Russian diplo/intel. 11166 10053 56248 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9129	15-10	1550	Sun	Russian diplo/intel. 11166 10053 56248 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9354	16-10	0400	Mon	Russian diplo/intel.	FSK 200/1000	(AB/Danix)
F06	7956	16-10	0410	Mon	Russian diplo/intel.	FSK 200/1000	(AB/Danix)
F06	6774	16-10	0420	Mon	Russian diplo/intel.	FSK 200/1000	(AB/Danix)
F06	13546	17-10	1500	Tue	Russian diplo/intel. 11166 00052 64018 17048 00049 00000 00000 0000 0000	FSK 200/1000	(AB/MPJ)
F06	11535	17-10	1510	Tue	Russian diplo/intel. 11166 00052 64018 17048 00049 00000 00000 0000 0000	FSK 200/1000	(AB/MPJ)
F06	9356	17-10	1520	Tue	Russian diplo/intel. 11166 00052 64018 17048 00049 00000 00000 0000 0000	FSK 200/1000	(AB/MPJ)
F06	12215	17-10	1650	Tue	Russian diplo/intel. 11166 10053 35791 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix)
F06	10814	17-10	1700	Tue	Russian diplo/intel. 11166 10053 35791 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9046	17-10	1710	Tue	Russian diplo/intel. 11166 10053 35791 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ/ BvR)
F06	19268	18-10	0600	Wed	Russian diplo/intel. 11166 40122 13467 18063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	17548	18-10	0610	Wed	Russian diplo/intel. 11166 40122 13467 18063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	15779	18-10	0620	Wed	Russian diplo/intel. 11166 40122 13467 18063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	19448	18-10	0751	Wed	Russian diplo/intel. Test: 20877038803821683539605420883200000000	FSK 200/1000	(AB)
F06	19448	18-10	0800	Wed	Russian diplo/intel. 11166 70048 12345 18057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17503	18-10	0810	Wed	Russian diplo/intel. 11166 70048 12345 18057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15619	18-10	0820	Wed	Russian diplo/intel. 11166 70048 12345 18057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19363	18-10	1230	Wed	Russian diplo/intel. 11166 90073 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	17476	18-10	1240	Wed	Russian diplo/intel. 11166 90073 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15873	18-10	1250	Wed	Russian diplo/intel. 11166 90073 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15607	19-10	1330	Thu	Russian diplo/intel. 11166 80214 15987 19022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13376	19-10	1340	Thu	Russian diplo/intel. 11166 80214 15987 19022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11108	19-10	1350	Thu	Russian diplo/intel. 11166 80214 15987 19022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17423	21-10	1050	Sat	Russian diplo/intel. Test: 4646464646464646	FSK 200/1000	(AB)
F06	17423	21-10	1100	Sat	Russian diplo/intel. Header: 11166 50046 32197 20014 01569	FSK 200/1000	(AB/Danix)
F06	15628	21-10	1110	Sat	Russian diplo/intel. Header: 11166 50046 32197 20014 01569	FSK 200/1000	(AB/Danix)
F06	13385	21-10	1120	Sat	Russian diplo/intel. Header: 11166 50046 32197	FSK	(AB/Danix)

					20014 01569	200/1000	
F06	22963	21-10	1500	Sat	Russian diplo/intel. 11166 40133 13579 21001 00049 00000 00000 00000 00000	FSK	(AB-RUS/Danix)
F06	20461	21-10	1510	Sat	Russian diplo/intel. 11166 40133 13579 21001 00049 00000 00000 00000 00000	FSK	(AB- RUS/Danix/RL)
F06	18356	21-10	1520	Sat	Russian diplo/intel. 11166 40133 13579 21001 00049 00000 00000 00000 00000	FSK	(AB-RUS/Danix)
F06	17423	22-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 32197 20014 01569	FSK	(AB/Danix)
F06	15628	22-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 32197 20014 01569	FSK	(AB/Danix)
F06	13385	22-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 32197 20014 01569	FSK	(AB/Danix)
F06	12189	22-10	1520	Sun	Russian diplo/intel. Test: 46464646464646464646464646464646	FSK	(AB)
F06	12189	22-10	1530	Sun	Russian diplo/intel. 11166 10053 37201 22001 00049 00000 00000 00000 00000	FSK	(AB/Danix)
F06	10734	22-10	1540	Sun	Russian diplo/intel. 11166 10053 37201 22001 00049 00000 00000 00000 00000	FSK	(AB/Danix)
F06	9129	22-10	1550	Sun	Russian diplo/intel. 11166 10053 37201 22001 00049 00000 00000 00000 00000	FSK	(AB/Danix)
F06	13546	24-10	1500	Tue	Russian diplo/intel. 11166 00052 57201 24063 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	11535	24-10	1510	Tue	Russian diplo/intel. 11166 00052 57201 24063 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	9356	24-10	1520	Tue	Russian diplo/intel. 11166 00052 57201 24063 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	12215	24-10	1650	Tue	Russian diplo/intel. 11166 10053 13579 24001 00049 00000 00000 00000 00000	FSK	(AB/Danix/MPJ)
F06	10814	24-10	1700	Tue	Russian diplo/intel. 11166 10053 13579 24001 00049 00000 00000 00000 00000	FSK	(AB/Danix/MPJ/ BvR)
F06	9046	24-10	1710	Tue	Russian diplo/intel. 11166 10053 13579 24001 00049 00000 00000 00000 00000	FSK	(AB/Danix/MPJ/ BvR)
F06	19268	25-10	0600	Wed	Russian diplo/intel. Header: 11166 40122 48523 21044 03899	FSK	(AB-KOR)
F06	17548	25-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 48523 21044 03899	FSK	(AB-KOR)
F06	15779	25-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 48523 21044 03899	FSK	(AB-KOR)
F06	19448	25-10	0800	Wed	Russian diplo/intel. 11166 70048 09451 25010 00049 00000 00000 00000 00000	FSK	(AB)
F06	20018	25-10	0800	Wed	Russian diplo/intel. Header: 11166 00052 14683 24021 01749	FSK	(AB-G)
F06	17503	25-10	0810	Wed	Russian diplo/intel. 11166 70048 09451 25010 00049 00000 00000 00000 00000	FSK	(AB)
F06	18325	25-10	0810	Wed	Russian diplo/intel. Header: 11166 00052 14683 24021 01749	FSK	(AB-G)
F06	15619	25-10	0820	Wed	Russian diplo/intel. 11166 70048 09451 25010 00049 00000 00000 00000 00000	FSK	(AB)
F06	16248	25-10	0820	Wed	Russian diplo/intel. Header: 11166 00052 14683 24021 01749	FSK	(AB-G)
F06	19476	25-10	0906	Wed	Russian diplo/intel. Test: 4646464646464646 46464646464646464646464646464646	FSK	(AB)
F06	19476	25-10	0915	Wed	Russian diplo/intel. 11166 10031 56248 25001 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	17458	25-10	0925	Wed	Russian diplo/intel. 11166 10031 56248 25001 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	15884	25-10	0935	Wed	Russian diplo/intel. 11166 10031 56248 25001 00049 00000 00000 00000 00000	FSK	(AB/MPJ)
F06	19268	26-10	0600	Thu	Russian diplo/intel. Header: 11166 40122 48523	FSK	(AB-KOR)

[illegible]

F06	14486	29-10	0920	Sun	Russian diplo/intel. Header: 11166 70004 63892 13099 02599	FSK 200/1000	(AB/Danix/MPJ)
F06	17423	29-10	1100	Sun	Russian diplo/intel. Header: 11166 50046 31945 27015 00449	FSK 200/1000	(AB/Danix/MPJ)
F06	15628	29-10	1110	Sun	Russian diplo/intel. Header: 11166 50046 31945 27015 00449	FSK 200/1000	(AB/Danix/MPJ)
F06	13385	29-10	1120	Sun	Russian diplo/intel. Header: 11166 50046 31945 27015 00449	FSK 200/1000	(AB/Danix/MPJ)
F06	12189	29-10	1530	Sun	Russian diplo/intel. 11166 10053 35791 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	10734	29-10	1540	Sun	Russian diplo/intel. 11166 10053 35791 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9129	29-10	1550	Sun	Russian diplo/intel. 11166 10053 35791 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	13546	31-10	1500	Tue	Russian diplo/intel. 11166 00052 64018 31048 00049 00000 00000	FSK 200/1000	(MPJ)
F06	12215	31-10	1650	Tue	Russian diplo/intel. 11166 10053 95472 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	10814	31-10	1700	Tue	Russian diplo/intel. 11166 10053 95472 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F06	9046	31-10	1710	Tue	Russian diplo/intel. 11166 10053 95472 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Danix/MPJ)
F11	6906	2-10	0800	Mon	0434 88888 88888 56478 27810 95521 ... 36237 02219 12616 88888 88888 00037 00037	FSK 100/620	(AB)
F11	6906	2-10	0805	Mon	0434 88888 88888 56478 27810 95521 ... 36237 02219 12616 88888 88888 00037 00037	FSK 100/620	(AB)
F11	9339	2-10	0845	Mon	0353 88888 88888 38562 42970 11685 ... 95026 23476 57906 88888 88888 00041 00041	FSK 100/620	(AB)
F11	9339	2-10	0850	Mon	0353 88888 88888 38562 42970 11685 ... 95026 23476 57906 88888 88888 00041 00041	FSK 100/620	(AB)
F11	7371	3-10	0900	Tue	0554 88888 88888 94302 93738 30084 ... 23696 20112 70933 88888 88888 00040 00040	FSK 100/620	(AB)
F11	7371	3-10	0905	Tue	0554 88888 88888 94302 93738 30084 ... 23696 20112 70933 88888 88888 00040 00040	FSK 100/620	(AB)
F11	7670	3-10	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	7670	3-10	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	9339	4-10	0845	Wed	0353 88888 88888 38562 42970 ... 95026 23476 57906 88888 88888 00041 00041	FSK 100/620	(AB)
F11	9339	4-10	0850	Wed	0353 88888 88888 38562 42970 ... 95026 23476 57906 88888 88888 00041 00041	FSK 100/620	(AB)
F11	7670	4-10	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	7670	4-10	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	6906	5-10	0800	Thu	0434 88888 88888 56478 27810 95521 ... 36237 02219 12616 88888 88888 00037 00037	FSK 100/620	(AB)
F11	6906	5-10	0805	Thu	0434 88888 88888 56478 27810 95521 ... 36237 02219 12616 88888 88888 00037 00037	FSK 100/620	(AB)
F11	7371	6-10	0900	Fri	0554 88888 88888 94302 93738 30084 ... 23696 20112 70933 88888 88888 00040 00040	FSK 100/620	(AB)
F11	7371	6-10	0905	Fri	0554 88888 88888 94302 93738 30084 ... 23696 20112 70933 88888 88888 00040 00040	FSK 100/620	(AB)
F11	6906	9-10	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6906	9-10	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	9339	9-10	0845	Mon	0353 00000	FSK 100/620	(AB)

F11	9339	9-10	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	7670	10-10	1150	Tue	0325 88888 88888 15364 41729 01541 ... 43695 28073 00857 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7670	10-10	1155	Tue	0325 88888 88888 15364 41729 01541 ... 43695 28073 00857 88888 88888 00039 00039	FSK 100/620	(AB)
F11	9339	11-10	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	9339	11-10	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	7670	11-10	1150	Wed	0325 88888 88888 15364 41729 01541 ... 43695 28073 00857 88888 88888 00039 00039	FSK 100/620	(AB)
F11	7670	11-10	1155	Wed	0325 88888 88888 15364 41729 01541 ... 43695 28073 00857 88888 88888 00039 00039	FSK 100/620	(AB)
F11	6906	12-10	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6906	12-10	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	7371	13-10	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	7371	13-10	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	6906	16-10	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6906	16-10	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	9339	16-10	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	9339	16-10	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	7371	17-10	0900	Tue	0554 00000	FSK 100/620	(AB)
F11	7371	17-10	0905	Tue	0554 00000	FSK 100/620	(AB)
F11	7670	17-10	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	7670	17-10	1155	Tue	0325 00000	FSK 100/620	(AB)
F11	9339	18-10	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	9339	18-10	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	7670	18-10	1150	Wed	0325 00000	FSK 100/620	(AB)
F11	7670	18-10	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	6906	19-10	0800	Thu	0434 00000	FSK 100/620	(AB)
F11	6906	19-10	0805	Thu	0434 00000	FSK 100/620	(AB)
F11	7371	20-10	0900	Fri	0554 00000	FSK 100/620	(AB)
F11	7371	20-10	0905	Fri	0554 00000	FSK 100/620	(AB)
F11	6906	23-10	0800	Mon	0434 00000	FSK 100/620	(AB)
F11	6906	23-10	0805	Mon	0434 00000	FSK 100/620	(AB)
F11	9339	23-10	0845	Mon	0353 00000	FSK 100/620	(AB)

F11	9339	23-10	0850	Mon	0353 00000	FSK	(AB)
						100/620	
F11	7371	24-10	0900	Tue	0554 00000	FSK	(AB)
						100/620	
F11	7371	24-10	0905	Tue	0554 00000	FSK	(AB)
						100/620	
F11	7670	24-10	1150	Tue	0325 00000	FSK	(AB)
						100/620	
F11	7670	24-10	1155	Tue	0325 00000	FSK	(AB)
						100/620	
F11	9339	25-10	0845	Wed	0353 00000	FSK	(AB)
						100/620	
F11	9339	25-10	0850	Wed	0353 00000	FSK	(AB)
						100/620	
F11	7670	25-10	1150	Wed	0325 00000	FSK	(AB)
						100/620	
F11	7670	25-10	1155	Wed	0325 00000	FSK	(AB/AAI)
						100/620	
F11	6906	26-10	0800	Thu	0434 00000	FSK	(AB)
						100/620	
F11	6906	26-10	0805	Thu	0434 00000	FSK	(AB)
						100/620	
F11	7371	27-10	0900	Fri	0554 00000	FSK	(AB)
						100/620	
F11	7371	27-10	0905	Fri	0554 00000	FSK	(AB)
						100/620	
F11	6906	30-10	0800	Mon	0434 00000	FSK	(AB)
						100/620	
F11	6906	30-10	0805	Mon	0434 00000	FSK	(AB)
						100/620	
F11	9339	30-10	0845	Mon	0353 00000	FSK	(AB)
						100/620	
F11	9339	30-10	0850	Mon	0353 00000	FSK	(AB)
						100/620	
F11	7371	31-10	0900	Tue	0554 00000	FSK	(AB)
						100/620	
F11	7371	31-10	0905	Tue	0554 00000	FSK	(AB)
						100/620	
F11	7670	31-10	1150	Tue	0325 00000	FSK	(AB)
						100/620	
F11	7670	31-10	1155	Tue	0325 00000	FSK	(AB)
						100/620	
G06	6805	2-10	0758	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	4613	2-10	1658	Mon	563 563 563 00000	USB	(AB/MPJ)
G06	5460	2-10	1758	Mon	563 563 563 00000	USB	(AB)/HFD
G06	5254	4-10	1258	Wed	563 563 563 00000	USB	(AB-UKR/HFD)
G06	4598	5-10	1259	Thu	329 329 329 00000 Windows shut down sound	USB	(AB-RUS)
G06	4613	9-10	1700	Mon	563 563 563 00000	USB	(AB/MPJ/BvR)
G06	4613	9-10	1705	Mon	111 111 111 00000	USB	(AB)
G06	5460	9-10	1800	Mon	563 563 563 00000 Windows shutdown sound	USB	(AB/MPJ)
G06	5974	11-10	1200	Wed	563 563 563 00000	USB	(AB/MPJ)
G06	5254	11-10	1259	Wed	563 563 563 00000 Windows shutdown sound	USB	(AB/MPJ)
G06	5934	12-10	1830	Thu	579 241 125 06046 35697 17891 ... 42927 85605 75302 241 125 00000	USB	(AB/MPJ)
G06	5224	13-10	1930	Fri	Stops after 80 groups. 947 241 125 06046 35697 17891 ... 95037 31535 3153 Windows sound, then Windows shut down sound.	USB	(AB/MPJ)
G06	6810	16-10	0759	Mon	329 329 329 00000	USB	(AB)
G06	4598	19-10	1259	Thu	329 329 329 00000 Windows shutdown sound	USB	(AB-RUS)
G06	5934	26-10	1829	Thu	579 289 54 12345 89657 45632 ... 64618 84021	USB	(AB/MPJ)

					72492 289 54 00000 Windows shut down sound		
G06	5442	27-10	1830	Fri	579 289 54 12345 89657 45632 ... 64618 84021 72492 289 54 00000 Windows shut down sound	USB	(AB/MPJ)
HM01	10354	1-10	0558	Sun	34743 17386 86123 73352 08787 45338	AM/RDFT	(AB)
HM01	9330	1-10	0657	Sun	34743 17386 86123 73352 08787 45338	AM/RDFT	(AB)
HM01	9065	1-10	0758	Sun	34743 17386 86123 73352 08787 45338	AM/RDFT	(AB)
HM01	11530	1-10	1728	Sun	34743 17386 86123 73352 08787 45338 (repeating the groups sent on 27 Sept)	AM/RDFT	(RR2)
HM01	11530	1-10	1743	Sun	34743 17386 86123 73352 08787 45338	AM/RDFT	(DSch)
HM01	11435	2-10	1600	Mon	34744 17387 86124 73353 08788 45339	AM/RDFT	(RR2)
HM01	11530	2-10	1735	Mon	34744 17387 86124 73353 97788 45339	AM/RDFT	(DSch)
HM01	10715	2-10	2157	Mon	34744 17387 86124 73353 08788 45339	AN/RDFT	(RL)
HM01	11435	3-10	1600	Tue	34745 17388 86125 73354 08789 02711	AM/RDFT	(RR2)
HM01	11435	3-10	1606	Tue	34745 17388 86125 73354 08789 02711	AM/RDFT	(DSch)
HM01	16180	3-10	2057	Tue	34375 17388 86125 73354 08789 02711	AN/RDFT	(RL)
HM01	17480	3-10	2157	Tue	34375 17388 86125 73354 08789 02711. Starts with different numbers, then at 2205z normal transmission.	AN/RDFT	(RL)
HM01	11435	4-10	1630	Wed	34746 17389 86126 73355 62201 02711	AM/RDFT	(RR2)
HM01	11635	4-10	1814	Wed	34746 17389 86126 73355 62201 02711	AM/RDFT	(DSch)
HM01	10715	4-10	2200	Wed	34746 17389 86126 73355 62201 02711	AM/RDFT	(RR2)
HM01	11435	5-10	1557	Thu	34747 11861 86127 73356 62201 02712	AM/RDFT	(RR2)
HM01	11635	5-10	1830	Thu	34747 11861 86127 73356 62201 02712	AM/RDFT	(DSch)
HM01	9240	6-10	0900	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(KA1IIC)
HM01	9240	6-10	0927	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(KA1IIC)
HM01	11530	6-10	1658	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11530	6-10	1700	Fri	34747 11861 86127 73356 62201 02712	AM/RDFT	(DSch)
HM01	16180	6-10	2057	Fri	34747 11861 86127 73356 62201 02712	AM/RDFT	(RL)
HM01	17480	6-10	2157	Fri	34747 11861 86127 73356 62201 02712	AM/RDFT	(RL)
HM01	11435	7-10	1628	Sat	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11530	7-10	1659	Sat	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	17480	7-10	2157	Sat	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	9065	8-10	0757	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(AB)
HM01	11435	8-10	1558	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	11435	8-10	1600	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	10715	8-10	2200	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(Dan)
HM01	9330	9-10	0657	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(AB)
HM01	9065	9-10	0757	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(AB)
HM01	9240	9-10	0857	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(AB)
HM01	11435	9-10	1556	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	11435	9-10	1600	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11435	10-10	1600	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	16180	10-10	2057	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)

HM01	17480	10-10	2157	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	11435	11-10	1600	Wed	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11435	11-10	1600	Wed	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11635	11-10	1848	Wed	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	11435	12-10	1600	Thu	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11435	12-10	1634	Thu	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	16180	12-10	2057	Thu	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	17480	12-10	2157	Thu	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	11435	13-10	1600	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11635	13-10	2057	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	10715	13-10	2157	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	10715	13-10	2205	Fri	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(BW3)
HM01	11435	14-10	1600	Sat	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11635	14-10	1805	Sat	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	9065	15-10	0758	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(BvR)
HM01	11635	15-10	2057	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	10715	15-10	2157	Sun	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(Dan/RL)
HM01	11435	16-10	1600	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11530	16-10	1700	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	11530	16-10	1711	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(DSch)
HM01	11635	16-10	2057	Mon	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	11435	17-10	1601	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	11435	17-10	1627	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RR2)
HM01	16180	17-10	2057	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	17480	17-10	2157	Tue	34747 11861 86127 73356 62201 02712 (repeating the groups of 5 Oct)	AM/RDFT	(RL)
HM01	11435	18-10	1601	Wed	34748 11861 86128 73357 62202 02713	AM/RDFT	(RR2)
HM01	11435	18-10	1627	Wed	34748 11861 86128 73357 62202 02713	AM/RDFT	(RR2)
HM01	11435	19-10	1558	Thu	34749 11862 43831 05541 62203 02714	AM/RDFT	(RR2)
HM01	11530	19-10	1710	Thu	34749 11862 43831 05541 62203 02714	AM/RDFT	(DSch)
HM01	11435	20-10	1557	Fri	45571 11863 43831 05541 62204 02715	AM/RDFT	(RR2)
HM01	11635	20-10	1809	Fri	45571 11863 43831 05541 62204 02715	AM/RDFT	(DSch)
HM01	11635	20-10	2057	Fri	45571 11863 43831 05541 62204 02715	AM/RDFT	(RL)
HM01	11435	21-10	1627	Sat	45571 11864 43832 05542 62205 02716	AM/RDFT	(RR2)
HM01	17480	21-10	2157	Sat	45571 11864 43832 05542 62205 02716	AM/RDFT	(RL)
HM01	11435	22-10	1610	Sun	45572 11865 43833 05543 62206 02717	AM/RDFT	(RR2)

HM01	11435	23-10	1558	Mon	45573 11866 43834 05544 62207 55441	AM/RDFT	(RR2)
HM01	11435	24-10	1558	Tue	45575 70371 43836 05546 63671 55442	AM/RDFT	(RR2)
HM01	11530	25-10	1716	Wed	45575 70371 43836 05546 63671 55442	AM/RDFT	(DSch)
HM01	11435	26-10	1559	Thu	45576 70371 43837 05547 63671 55443	AM/RDFT	(RR2)
HM01	11530	26-10	1658	Thu	45576 70371 43837 05547 63671 55443	AM/RDFT	(AB-USA)
HM01	11435	27-10	1557	Fri	45577 70372 43838 57221 63672 55444	AM/RDFT	(RR2)
HM01	11435	28-10	1557	Sat	45578 70373 75831 57221 63673 55445	AM/RDFT	(RR2)
HM01	11530	28-10	1657	Sat	75831 57221 63673 55445 45578 70373	AM/RDFT	(dmhz)
HM01	11635	28-10	1757	Sat	75831 57221 63673 55445 45578 70373	AM/RDFT	(dmhz)
HM01	16180	28-10	2057	Sat	75831 57221 63673 55445 45578 70373	AM/RDFT	(dmhz)
HM01	17480	28-10	2157	Sat	75831 57221 63673 55445 45578 70373	AM/RDFT	(dmhz)
HM01	11435	29-10	1558	Sun	41361 70374 75831 57222 63674 55446	AM/RDFT	(RR2)
HM01	11435	30-10	1600	Mon	41361 70375 75832 57223 63675 55447	AM/RDFT	(RR2)
HM01	11435	31-10	1558	Tue	41362 70376 75833 57224 63676 78711	AM/RDFT	(RR2)
HM01	16180	31-10	2057	Tue	41362 70376 75833 57224 63672 78711	AM/RDFT	(RL)
HM01	17480	31-10	2157	Tue	41362 70376 75833 57224 63672 78711	AM/RDFT	(RL)
Jam-mer	13735	16-10	1422	Mon	Vietnamese siren jammer, jamming Radio Free Asia		(AB)
jam-mer	13735	30-10	1428	Mon	Vietnamese siren jammer jamming Radio Free Asia		AM (ES)
M01	5475	3-10	1759	Tue	i.p. 119 = 30 (rptd) 32350 95528 89228 ... 50391 80517 67177 = 119 0 30 0=0== (as sent)	CW	(MPJ)
M01	5475	5-10	1800	Thu	463 4425 425 30 30 = = 54841 91575 61578 ... 90509 71856 69905 = = 425 425 30 30 000	CW	(MPJ)
M01	6260	7-10	1500	Sat	271 (R) 463 (R) 271 30 30 = = 64117 43754 5062 (!) 65193 31735 81047 59847 = = 271 271 30 30	CW	(MPJ)
M01	5475	10-10	1800	Tue	463 907 907 30 30 = = 76245 80890 77245 ... 32098 42211 07243 = = 907 907 30 30 000	CW	(MPJ)
M01	5475	12-10	1800	Thu	463 911 = 30 = = 12582 21687 (21697) 69395 ... 13169 87799 44953 = = 9 AAA AAA = 30 (as sent)	CW	(MPJ)
M01	6260	14-10	1500	Sat	463 106/30 106/30 = 63720 27220 69404 ... 81982 47235 25372 106/30. (As sent)	CW	(MPJ)
M01	6260	21-10	1500	Sat	463 171 171 30 30 = = 07234 61421 94772 ... 35075 50432 17010 = = 171 171 30 30 000	MCW	(AB-RUS/ES)
M01	5475	24-10	1800	Tue	463 512 30 = = 29905 72851 65587 ... 89028 79442 66791 (66781) = = 512 30 000	CW	(MPJ)
M01	5475	26-10	1800	Thu	463 705 705 30 30 = = 95390 04585 66658 ... 81475 39258 90144 = = 705 705 30 30 000	MCW	(AB/MPJ)
M01	5020	26-10	2000	Thu	463 810 810 30 30 = = 52400 76487 26665 ... (many errors)	MCW	(AB)
M01	6260	28-10	1500	Sat	463 276 30 = = 93519 13766 15481 (15048) ... 01619 74744 95013 = = 276 30 000	CW	(MPJ)
M01	5475	31-10	1800	Tue	463 103 = 30 = = 103 = 30 = = 84354 84497 28816 ... 74190 55171 02674 = 103 = 30 = = 10303 = = 000 =	CW	(MPJ)
M01	5020	31-10	2000	Tue	463 776 30 97824 15746 67750 ... (stops) VVVs 26856 35717 ... 80888 61863 776776 30 0 0	CW	(MPJ)
M01a	9411	10-10	0530	Tue	751 (x3) 97919 97919 (Rx6) Stops and restarts 751 (x3) 98745 98745 (Rx4) Cuts out... 111 999 00047 00040 ...	CW	(ES)
M01a	5860	11-10	0652	Wed	582 (R)	CW	(ES)
M01a	6034	11-10	0656	Wed	881 (x3) 41177 41177	CW	(ES)
M01a	5860	11-10	0751	Wed	582 (R1min)	CW	(ES)
M01a	5063	11-10	0837	Wed	430 (x3) 48756 48756 (Rx6) 430 (x3) 49756 49756 (Rx7)	CW	(ES)
M01a	4545	11-10	0841	Wed	9 82 (x3) 33430 33430 9 82 (x3) 32500 32500 (Rx9) 9 82 (x3) 33500 33500	CW	(ES)
M01a	4545	11-10	0921	Wed	Test tone. 982 (x3) 32670 32670 (Rx 6) 111 999 428 12 = 89562 32547 01897 ... 36587 = 428 12 111 000	CW	(ES)

M01a	4545	11-10	1118	Wed	982 (x3) 32101 32101 (Rx4) 111 999 839 14 = 64785 23956 33014 ... 42330 85947 63254 = 839 14 Repeated 111 000	CW	(ES)
M01a	4641	12-10	1127	Thu	i.p. 111 0 0 0	CW	(ES)
M01a	4408	12-10	1134	Thu	i.p. 996 (x3) 47898 47898 (Rx2) 111 111 999 137 05 / 67219 98371 85948 09489 80889 / 152 05 000	CW	(ES)
M01a	4641	12-10	1209	Thu	Test tone. 996 (x3) 38868 38868 (Rx3) 111 111 999 543 10 / 63783 65434 ... 67372 96593 / 543 10 000	CW	(ES)
M01a	4384	12-10	1212	Thu	718 (x3) 53000 53000 (Rx5) 718 111 111 999 343 10 / 08938 26310 54689 23490 ... / 343 10 000 111 333 00	CW	(ES)
M01a	4641	12-10	1218	Thu	Voice traffic	USB	(ES)
M01a	4641	12-10	1218	Thu	385 (x3) 82899 82899 385 (x3) 333 82999 82999 (x2) 111 999	CW	(ES)
M01a	4641	12-10	1235	Thu	Test tone. 996 (x3) 33822 38822 996 (x4) 38872 38822 ...	CW	(ES)
M01a	4678	27-10	0953	Fri	41 333 43361 43361 (Rx3) 333 333 43151 43151 (Rx3) 333 333 43231 43231 (Rx4) 111 333 3 333 3 333 3 111 000	CW	(ES-POL)
M01b	3535	2-10	1809	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4590 kHz	MCW	(MPJ)
M01b	4590	2-10	1809	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3535 kHz	MCW	(MPJ)
M01b	3645	2-10	1915	Mon	771 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4465 kHz	MCW	(MPJ)
M01b	4465	2-10	1915	Mon	771 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3645 kHz	MCW	(MPJ)
M01b	3510	5-10	1831	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4605 kHz	MCW	(MPJ)
M01b	4505	5-10	1831	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3510 kHz	MCW	(MPJ)
M01b	3715	5-10	1940	Thu	477 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4570 kHz	MCW	(MPJ)
M01b	4570	5-10	1940	Thu	477 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3715 kHz	MCW	(MPJ)
M01b	4940	6-10	1902	Fri	153 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000	MCW	(MPJ)
M01b	3535	9-10	1810	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4590 kHz	MCW	(MPJ)
M01b	4590	9-10	1810	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3535 kHz	MCW	(MPJ)
M01b	3645	9-10	1920	Mon	Carrier only	MCW	(MPJ)
M01b	3510	12-10	1831	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4605 kHz	MCW	(MPJ)
M01b	4605	12-10	1831	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3510 kHz	MCW	(MPJ)
M01b	3715	12-10	1942	Thu	477 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000	MCW	(MPJ)
M01b	3625	13-10	1902	Fri	153 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000	MCW	(MPJ)
M01b	3535	16-10	1810	Mon	420 (Stops in callup, both freqs) //4590 kHz	MCW	(MPJ)
M01b	4590	16-10	1810	Mon	420 (Stops in callup, both freqs) //3535 kHz	MCW	(MPJ)
M01b	3535	23-10	1810	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4590 kHz	MCW	(MPJ)
M01b	4590	23-10	1810	Mon	420 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3535 kHz	MCW	(MPJ)
M01b	4465	23-10	1915	Mon	771 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000	MCW	(MPJ)

M01b	3510	26-10	1832	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4605 kHz	MCW	(MPJ)
M01b	4605	26-10	1832	Thu	201 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3510 kHz	MCW	(MPJ)
M01b	3625	27-10	1902	Fri	153 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000	MCW	(MPJ)
M01b	3645	30-10	2015	Mon	771 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //4455 kHz	MCW	(MPJ)
M01b	4455	30-10	2015	Mon	771 117 32 = = 82291 09394 05963 ... 52821 58777 10835 = = 117 32 000 //3645 kHz	MCW	(MPJ)
M12	18639	2-10	1400	Mon	648 648 648 000	CW	(AB-RUS/MPJ)
M12	17439	2-10	1420	Mon	648 648 648 000	CW	(AB-RUS/MPJ)
M12	9176	2-10	1700	Mon	257 257 257 1 7805 104 7805 104 29228 36590 08255 ... 52349 00192 59299 000 000	CW	(AB/MPJ)
M12	7931	2-10	1720	Mon	257 257 257 1 7805 104 7805 104 29228 36590 08255 ... 52349 00192 59299 000 000	CW	(AB/MPJ)
M12	6904	2-10	1740	Mon	257 257 257 1 7805 104 7805 104 29228 36590 08255 ... 52349 00192 59299 000 000	CW	(AB/MPJ)
M12	18639	4-10	1400	Wed	648 648 648 000	CW	(AB-RUS/MPJ/HFD)
M12	17439	4-10	1420	Wed	648 648 648 000	CW	(AB-RUS/MPJ/HFD)
M12	9176	4-10	1700	Wed	257 257 257 1 9562 101 9562 101 82275 29822 20388 ... 65169 14374 51273 000 000	CW	(AB/MPJ)
M12	7931	4-10	1720	Wed	257 257 257 1 9562 101 9562 101 82275 29822 20388 ... 65169 14374 51273 000 000	CW	(AB/MPJ)
M12	6904	4-10	1740	Wed	257 257 257 1 9562 101 9562 101 82275 29822 20388 ... 65169 14374 51273 000 000	CW	(AB/MPJ)
M12	9176	4-10	1800	Wed	257 257 257 1 8986 140 8986 140 90200 02568 43765 ... 55455 00679 50886 000 000	CW	(AB/MPJ)
M12	7931	4-10	1820	Wed	257 257 257 1 8986 140 8986 140 90200 02568 43765 ... 55455 00679 50886 000 000	CW	(AB/MPJ)
M12	6904	4-10	1840	Wed	257 257 257 1 8986 140 8986 140 90200 02568 43765 ... 55455 00679 50886 000 000	CW	(AB/MPJ)
M12	8047	4-10	1900	Wed	463 463 463 1 3441 148 3441 148 35003 77589 37398 ... 30547 90983 46460 000 000	CW	(AB/MPJ)
M12	6802	4-10	1920	Wed	463 463 463 1 3441 148 3441 148 35003 77589 37398 ... 30547 90983 46460 000 000	CW	(AB/MPJ)
M12	5788	4-10	1940	Wed	463 463 463 1 3441 148 3441 148 35003 77589 37398 ... 30547 90983 46460 000 000	CW	(AB/MPJ)
M12	5814	4-10	2100	Wed	826 826 826 1 7070 101 7070 101 98280 87196 93028 ... 89541 87444 47952 000 000	CW	(AB)
M12	5214	4-10	2120	Wed	826 826 826 1 7070 101 7070 101 98280 87196 93028 ... 89541 87444 47952 000 000	CW	(AB)
M12	4614	4-10	2140	Wed	826 826 826 1 7070 101 7070 101 98280 87196 93028 ... 89541 87444 47952 000 000	CW	(AB)
M12	12214	5-10	1310	Thu	282 282 282 000	CW	(AB/MPJ/HFD)
M12	10814	5-10	1330	Thu	282 282 282 000	CW	(AB/MPJ/HFD)
M12	14377	5-10	1700	Thu	317 317 317 1 9222 106 9222 106 37281 49455 17944 ... 27560 43685 30002 000 000	CW	(AB/MPJ)
M12	13461	5-10	1720	Thu	317 317 317 1 9222 106 9222 106 37281 49455 17944 ... 27560 43685 30002 000 000	CW	(AB/MPJ/BvR)
M12	12114	5-10	1740	Thu	317 317 317 1 9222 106 9222 106 37281 49455 17944 ... 27560 43685 30002 000 000	CW	(AB/MPJ/BvR)
M12	7516	5-10	2010	Thu	584 584 584 000	CW	(HFD)
M12	5836	5-10	2030	Thu	584 584 584 000	CW	(HFD)
M12	8164	5-10	2100	Thu	197 197 197 000	CW	(AB)
M12	6964	5-10	2120	Thu	197 197 197 000	CW	(AB)
M12	10984	6-10	1950	Fri	930 930 930 000	CW	(MPJ)
M12	6832	7-10	0500	Sat	892 892 892 1 7070 101 7070 101 98280 87196	CW	(AB/HFD)

					93028 ... 89541 87444 47952 000 000		
M12	7932	7-10	0520	Sat	892 892 892 1 7070 101 7070 101 98280 87196	CW	(AB/HFD)
					93028 ... 89541 87444 47952 000 000		
M12	9232	7-10	0540	Sat	892 892 892 1 7070 101 7070 101 98280 87196	CW	(AB/BvR)
					93028 ... 89541 87444 47952 000 000		
M12	12214	7-10	1310	Sat	282 282 282 000	CW	(AB/MPJ/BvR)
M12	10814	7-10	1330	Sat	282 282 282 000	CW	(AB/MPJ/BvR)
M12	18639	9-10	1400	Mon	648 648 648 000	CW	(AB/MPJ)
M12	17439	9-10	1420	Mon	648 648 648 000	CW	(AB/MPJ)
M12	9176	9-10	1700	Mon	257 257 257 1 6629 107 6629 107 61690 50035	CW	(AB/MPJ)
					51504 ... 04205 42242 69437 000 000		
M12	7931	9-10	1720	Mon	257 257 257 1 6629 107 6629 107 61690 50035	CW	(AB/MPJ/BvR)
					51504 ... 04205 42242 69437 000 000		
M12	6904	9-10	1740	Mon	257 257 257 1 6629 107 6629 107 61690 50035	CW	(AB/MPJ)
					51504 ... 04205 42242 69437 000 000		
M12	8164	9-10	2110	Mon	197 197 197 000	CW	(AB)
M12	6964	9-10	2130	Mon	197 197 197 000	CW	(AB)
M12	18639	11-10	1400	Wed	648 648 648 000	CW	(AB/MPJ)
M12	17439	11-10	1420	Wed	648 648 648 000	CW	(AB/MPJ)
M12	9176	11-10	1700	Wed	257 257 257 7727 110 7727 110 25439 26120	CW	(AB/MPJ/BvR)
					77753 ... 87443 73388 15041 000 000		
M12	7931	11-10	1720	Wed	257 257 257 7727 110 7727 110 25439 26120	CW	(AB/MPJ/BvR)
					77753 ... 87443 73388 15041 000 000		
M12	6904	11-10	1740	Wed	257 257 257 7727 110 7727 110 25439 26120	CW	(AB/MPJ/BvR)
					77753 ... 87443 73388 15041 000 000		
M12	9176	11-10	1800	Wed	257 257 257 1 3095 137 3095 137 83671 99686	CW	(AB/MPJ)
					95605 ... 52022 71433 69288 000 000		
M12	7931	11-10	1820	Wed	257 257 257 1 3095 137 3095 137 83671 99686	CW	(AB/MPJ)
					95605 ... 52022 71433 69288 000 000		
M12	6904	11-10	1840	Wed	257 257 257 1 3095 137 3095 137 83671 99686	CW	(AB/MPJ)
					95605 ... 52022 71433 69288 000 000		
M12	8047	11-10	1900	Wed	463 1 9407 141 02717 11992 91075 ... 52937	CW	(MPJ)
					23761 19688 000 000		
M12	6802	11-10	1920	Wed	463 1 9407 141 02717 11992 91075 ... 52937	CW	(MPJ)
					23761 19688 000 000		
M12	5788	11-10	1940	Wed	463 1 9407 141 02717 11992 91075 ... 52937	CW	(MPJ)
					23761 19688 000 000		
M12	5814	11-10	2100	Wed	826 826 826 1 2441 97 2441 97 17322 24249	CW	(AB)
					59508 ... 84068 16369 23597 000 000		
M12	5214	11-10	2120	Wed	826 826 826 1 2441 97 2441 97 17322 24249	CW	(AB)
					59508 ... 84068 16369 23597 000 000		
M12	4614	11-10	2140	Wed	826 826 826 1 2441 97 2441 97 17322 24249	CW	(AB)
					59508 ... 84068 16369 23597 000 000		
M12	12214	12-10	1310	Thu	282 282 282 1 4583 69 4583 69 05631 72672	CW	(AB/MPJ)
					02018 ... 66849 59373 68025 000 000		
M12	10814	12-10	1330	Thu	282 282 282 1 4583 69 4583 69 05631 72672	CW	(AB/MPJ)
					02018 ... 66849 59373 68025 000 000		
M12	9214	12-10	1350	Thu	282 282 282 1 4583 69 4583 69 05631 72672	CW	(AB/MPJ)
					02018 ... 66849 59373 68025 000 000		
M12	14377	12-10	1700	Thu	317 1 6527 103 85696 19657 14324 ... 15350	CW	(AB)
					83258 43085 000 000		
M12	13461	12-10	1720	Thu	317 1 6527 103 85696 19657 14324 ... 15350	CW	(AB)
					83258 43085 000 000		
M12	12114	12-10	1740	Thu	317 1 6527 103 85696 19657 14324 ... 15350	CW	(AB)
					83258 43085 000 000		
M12	8164	12-10	2110	Thu	197 197 197 000	CW	(AB)
M12	6964	12-10	2130	Thu	197 197 197 000	CW	(AB)
M12	10984	13-10	1950	Fri	930 930 930 000	CW	(AB)
M12	9384	13-10	2010	Fri	930 930 930 000	CW	(AB)
M12	6832	14-10	0500	Sat	892 892 892 1 2441 97 2441 97 17322 24249	CW	(AB/ES)

					59508 ... 84068 16369 23597 000 000		
M12	7932	14-10	0520	Sat	892 892 892 1 2441 97 2441 97 17322 24249 59508 ... 84068 16369 23597 000 000	CW	(AB/ES)
M12	9232	14-10	0540	Sat	892 892 892 1 2441 97 2441 97 17322 24249 59508 ... 84068 16369 23597 000 000	CW	(AB/ES)
M12	12214	14-10	1310	Sat	282 282 282 1 4583 69 4583 69 05631 72672 02018 ... 66849 59373 68025 000 000	CW	(AB/MPJ)
M12	10814	14-10	1330	Sat	282 282 282 1 4583 69 4583 69 05631 72672 02018 ... 66849 59373 68025 000 000	CW	(AB/MPJ)
M12	9214	14-10	1350	Sat	282 282 282 1 4583 69 4583 69 05631 72672 02018 ... 66849 59373 68025 000 000	CW	(AB/MPJ)
M12	18639	16-10	1400	Mon	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB/MPJ)
M12	17439	16-10	1420	Mon	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB/MPJ)
M12	15389	16-10	1440	Mon	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB/MPJ)
M12	9176	16-10	1700	Mon	257 257 257 1 1187 107 1187 107 43521 70621 81228 ... 83634 50484 25762 000 000	CW	(AB/MPJ/BvR)
M12	7931	16-10	1720	Mon	257 257 257 1 1187 107 1187 107 43521 70621 81228 ... 83634 50484 25762 000 000	CW	(AB/MPJ/BvR)
M12	6904	16-10	1740	Mon	257 257 257 1 1187 107 1187 107 43521 70621 81228 ... 83634 50484 25762 000 000	CW	(AB/MPJ/BvR)
M12	10598	16-10	1930	Mon	938 1 4770 81 92212 16791 44609 ... 06806 90438 59675 000 000	CW	(MPJ)
M12	18639	18-10	1400	Wed	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB)
M12	17439	18-10	1420	Wed	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB)
M12	15389	18-10	1440	Wed	648 648 648 1 5604 121 5604 121 98230 32349 12451 ... 83054 15815 02366 000 000	CW	(AB)
M12	9176	18-10	1700	Wed	257 257 257 1 9390 101 9390 101 59550 39039 05928 ... 08011 72492 41402 000 000	CW	(AB/BvR)
M12	7931	18-10	1720	Wed	257 257 257 1 9390 101 9390 101 59550 39039 05928 ... 08011 72492 41402 000 000	CW	(AB/BvR)
M12	6904	18-10	1740	Wed	257 257 257 1 9390 101 9390 101 59550 39039 05928 ... 08011 72492 41402 000 000	CW	(AB)
M12	9176	18-10	1800	Wed	257 257 257 1 2710 133 2710 133 85607 47730 47704 ... 28800 27751 53524 000 000	CW	(AB)
M12	7931	18-10	1820	Wed	257 257 257 1 2710 133 2710 133 85607 47730 47704 ... 28800 27751 53524 000 000	CW	(AB)
M12	6904	18-10	1840	Wed	257 257 257 1 2710 133 2710 133 85607 47730 47704 ... 28800 27751 53524 000 000	CW	(AB)
M12	5814	18-10	2100	Wed	826 826 826 000	CW	(AB)
M12	5214	18-10	2120	Wed	826 826 826 000	CW	(AB)
M12	12214	19-10	1310	Thu	282 282 282 000	CW	(AB)
M12	10814	19-10	1330	Thu	282 282 282 000	CW	(AB)
M12	8164	19-10	2110	Thu	197 197 197 000	CW	(AB)
M12	6964	19-10	2130	Thu	197 197 197 000	CW	(AB)
M12	10984	20-10	1950	Fri	930 930 930 000	CW	(AB/RL)
M12	9384	20-10	2010	Fri	930 930 930 000	CW	(AB/RL)
M12	6832	21-10	0500	Sat	892 892 892 000	CW	(AB/ES)
M12	7932	21-10	0520	Sat	892 892 892 000	CW	(AB/ES)
M12	12214	21-10	1310	Sat	282 282 282 000	CW	(AB/ES)
M12	10814	21-10	1330	Sat	282 282 282 000	CW	(AB/ES)
M12	18639	23-10	1400	Mon	648 648 648 000	CW	(AB/MPJ)
M12	17439	23-10	1420	Mon	648 648 648 000	CW	(AB/MPJ)
M12	9176	23-10	1700	Mon	257 257 257 1 7315 108 7315 108 73338 44979 12991 ... 71427 66423 23027 000 000	CW	(AB/MPJ)
M12	7931	23-10	1720	Mon	257 257 257 1 7315 108 7315 108 73338 44979	CW	(AB/MPJ)

					12991 ... 71427 66423 23027 000 000		
M12	6904	23-10	1740	Mon	257 257 257 1 7315 108 7315 108 73338 44979 12991 ... 71427 66423 23027 000 000	CW	(AB/MPJ)
M12	11435	23-10	1910	Mon	938 1 8418 86 84795 20679 30255 ...	CW	(AB)
M12	8164	23-10	2110	Mon	197 197 197 000	CW	(AB)
M12	6964	23-10	2130	Mon	197 197 197 000	CW	(AB)
M12	18639	25-10	1400	Wed	648 648 648 000	CW	(AB/MPJ/ES)
M12	17439	25-10	1420	Wed	648 648 648 000	CW	(AB/MPJ/ES)
M12	9176	25-10	1700	Wed	257 257 257 1 8732 110 8732 110 83887 52965 65767 ... 00460 96040 44082 000 000	CW	(AB/MPJ/BvR)
M12	7931	25-10	1720	Wed	257 257 257 1 8732 110 8732 110 83887 52965 65767 ... 00460 96040 44082 000 000	CW	(AB/MPJ/BvR)
M12	6904	25-10	1740	Wed	257 257 257 1 8732 110 8732 110 83887 52965 65767 ... 00460 96040 44082 000 000	CW	(AB/MPJ)
M12	9176	25-10	1800	Wed	257 257 257 1 3168 134 3168 134 35896 82564 03695 ... 26786 68694 98277 000 000	CW	(AB/MPJ)
M12	7931	25-10	1820	Wed	257 257 257 1 3168 134 3168 134 35896 82564 03695 ... 26786 68694 98277 000 000	CW	(AB/MPJ)
M12	6904	25-10	1840	Wed	257 257 257 1 3168 134 3168 134 35896 82564 03695 ... 26786 68694 98277 000 000	CW	(AB/MPJ)
M12	8047	25-10	1900	Wed	463 1 8869 130 66923 80167 35x06 ... 02798 22120 79151 000 000	CW	(MPJ)
M12	6802	25-10	1920	Wed	463 1 8869 130 66923 80167 35x06 ... 02798 22120 79151 000 000	CW	(MPJ)
M12	5788	25-10	1940	Wed	463 1 8869 130 66923 80167 35x06 ... 02798 22120 79151 000 000	CW	(AB/MPJ)
M12	5814	25-10	2100	Wed	826 1	CW	(HFD)
M12	5214	25-10	2120	Wed	826 1	CW	(HFD)
M12	4614	25-10	2140	Wed	826 1	CW	(HFD)
M12	12214	26-10	1310	Thu	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	10814	26-10	1330	Thu	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	9214	26-10	1350	Thu	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	14377	26-10	1700	Thu	317 317 317 1 8685 101 8685 101 08255 75815 47871 ... 41699 05864 39327 000 000	CW	(AB)
M12	13461	26-10	1720	Thu	317 317 317 1 8685 101 8685 101 08255 75815 47871 ... 41699 05864 39327 000 000	CW	(AB)
M12	12114	26-10	1740	Thu	317 317 317 1 8685 101 8685 101 08255 75815 47871 ... 41699 05864 39327 000 000	CW	(AB)
M12	8164	26-10	2110	Thu	197 197 197 000	CW	(AB)
M12	6964	26-10	2130	Thu	197 197 197 000	CW	(AB)
M12	6832	28-10	0500	Sat	892 892 892 1 7734 123 7734 123 92880 67826 54965 ... 62041 13644 17988 000 000	CW	(AB/ES)
M12	7932	28-10	0520	Sat	892 892 892 1 7734 123 7734 123 92880 67826 54965 ... 62041 13644 17988 000 000	CW	(AB/ES)
M12	9232	28-10	0540	Sat	892 892 892 1 7734 123 7734 123 92880 67826 54965 ... 62041 13644 17988 000 000	CW	(AB/ES)
M12	12214	28-10	1310	Sat	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	10814	28-10	1330	Sat	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	9214	28-10	1350	Sat	282 282 282 1 6669 77 6669 77 67917 51268 18512 ... 01746 01872 46625 000 000	CW	(AB/MPJ)
M12	18639	30-10	1400	Mon	648 648 648 1 3320 87 3320 87 44489 81719 00790 ... 96225 57177 27798 000 000	CW	(AB/ES)
M12	17439	30-10	1420	Mon	648 648 648 1 3320 87 3320 87 44489 81719 00790 stops half way and resumes with 648 648 648 1 49677 57648 02419 ... 96225 57177 27798	CW	(AB/ES)

					000 000		
M12	15839	30-10	1440	Mon	648 648 648 1 3320 87 3320 87 44489 81719 00790 ... 96225 57177 27798 000 000	CW	(AB/ES)
M12	9176	30-10	1700	Mon	257 257 257 1 3342 103 3342 103 98980 16249 83493 ... 60917 80182 81487 000 000	CW	(AB/MPJ)
M12	7931	30-10	1720	Mon	257 257 257 1 3342 103 3342 103 98980 16249 83493 ... 60917 80182 81487 000 000	CW	(AB/MPJ)
M12	6904	30-10	1740	Mon	257 257 257 1 3342 103 3342 103 98980 16249 83493 ... 60917 80182 81487 000 000	CW	(AB/MPJ)
M12	11435	30-10	1910	Mon	938 1 9301 86 97311 55176 04578 ... 15813 59474 29647 000 000	CW	(MPJ)
M12	10598	30-10	1930	Mon	938 1 9301 86 97311 55176 04578 ... 15813 59474 29647 000 000	CW	(MPJ)
M12	9327	30-10	1950	Mon	938 1 9301 86 97311 55176 04578 ... 15813 59474 29647 000 000	CW	(MPJ)
M12	6964	31-10	2130	Tue	197 197 197 000	CW	(RL)
M14	18041	2-10	0500	Mon	952 638 638 50 50 = = 89787 21713 68946 ... 94591 64773 53265 = = 638 638 50 50 00000	CW	(AB-CHN)
M14	18041	3-10	0500	Tue	952 170 170 60 60 = = 94048 14344 20609 ... 73918 89056 64929 = = 170 170 60 60 00000	CW	(AB-CHN)
M14	4635	3-10	1600	Tue	273 273 273 00000	MCW	(AB/MPJ)
M14	18041	4-10	0500	Wed	952 364 364 50 50 = = 19410 33816 18290 ... 93200 08722 91615 = = 364 364 50 50 00000	CW	(AB-PHL)
M14	18041	5-10	0500	Thu	952 871 871 50 50 = = 00207 32673 40083 ... 35934 29999 26667 = = 871 871 50 50 00000	CW	(AB-PHL)
M14	18041	6-10	0500	Fri	952 436 436 50 50 = = 83527 71734 91080 ... 39167 97986 71583 = = 436 436 50 50 00000	CW	(AB-KOR)
M14	5944	6-10	1700	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5944	6-10	1707	Fri	61 96060 46427 61856 52755 74275 6983	MCW	(AB)
M14	5944	6-10	1710	Fri	535 87261 43906 54330 82449	MCW	(AB)
M14	5477	6-10	1800	Fri	382 382 382 00000	MCW	(AB/MPJ)
M14	5430	7-10	0801	Sat	171 171 171 000	CW	(HFD)
M14	5560	7-10	0900	Sat	Null msg followed by a msg: 171 171 171 00000 241 241 40 40 = = 34526 36452 73654 ... 87465 39826 18726 = = 241 241 40 40 00000	MCW	(AB/MPJ)
M14	5560	7-10	0900	Sat	171 171 171 000	CW	(HFD)
M14	18041	9-10	0500	Mon	952 810 810 55 55 = = 91387 40342 31844 ... 53616 73072 82246 = = 810 810 55 55 00000	CW	(AB-CHN)
M14	17458	10-10	0930	Tue	617 617 617 00000	CW	(AB/ES/MPJ)
M14	5946	10-10	1820	Tue	346 518 86 32498 53900 12865 ... 20943 57286 61220 518 86 00000	MCW	(MPJ)
M14	18041	11-10	0500	Wed	952 606 606 60 60 = = 36773 45876 01587 ... 77510 87863 64005 = = 606 06 60 60 00000	CW	(AB-CHN)
M14	5463	11-10	1920	Wed	537 518 518 86 86 32498 53900 12865 ... 20943 57286 61220 518 518 86 86 00000	MCW	(AB/MPJ)
M14	18041	13-10	0500	Fri	952 340 340 50 50 = = 26968 25344 11839 ... 84229 54169 37870 = = 340 340 50 50 00000	CW	(AB-KOR)
M14	5560	14-10	0859	Sat	171 241 241 40 40 = = 34526 36452 73654 ... 87465 39726 18726 = = 241 241 50 50 00000	MCW	(AB/MPJ)
M14	5240	15-10	2300	Sun	376 263 263 47 47 = = 24315 75648 95857 ... 16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB)
M14	5825	16-10	0000	Mon	376 263 263 47 47 = = 24315 75648 95857 ... 16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB)
M14	18041	16-10	0500	Mon	952 178 178 60 60 = = 08256 46014 50944 ... 26684 04771 27734 = = 178 178 60 60 00000	CW	(AB-CHN)
M14	4635	17-10	1600	Tue	273 ...	MCW	(AB)
M14	18041	18-10	0500	Wed	952 467 467 50 50 = = 26195 96541 36626 ... 58189 01711 48296 = = 467 467 50 50 00000	CW	(AB-CHN)
M14	18041	19-10	0500	Thu	952 183 183 60 60 = = 03626 67839 21863 57274 88349 76635 ...	CW	(AB)

M14	18041	20-10	0500	Fri	952 607 607 55 55 = = 15470 20282 22091 ... 42804 00322 09370 = = 607 607 55 5 00000	CW	(AB-KOR)
M14	5930	20-10	1700	Fri	382 468 468 62 62 53445 74877 17033 ... 25256 43002 46271 468 468 62 62 00000	MCW	(AB/Danix)
M14	5477	20-10	1800	Fri	382 468 468 62 62 53445 74877 17033 ... 25256 43002 46271 468 468 62 62 00000	MCW	(AB/Danix)
M14	5430	21-10	0800	Sat	171 613 613 82 82 76251 82420 63321 ... 62091 76351 82240 613 613 82 82 00000	MCW	(AB-RUS)
M14	5560	21-10	0859	Sat	171 613 613 82 82 76251 82420 63321 ... 62091 76351 82240 613 613 82 82 00000	MCW	(AB-RUS)
M14	6990	22-10	0700	Sun	382 468 468 62 62 53445 74877 17033 ... 25256 43002 46271 468 468 62 62 00000	MCW	(AB)
M14	18041	23-10	0500	Mon	952 148 148 50 50 = = 31261 38423 09955 ... 87039 34066 24633 = = 148 148 50 50 00000	CW	(AB-CHN)
M14	18041	24-10	0500	Tue	952 307 307 60 60 = = 85567 32360 00704 ... 22926 60843 70049 = = 307 307 60 60 00000	CW	(AB)
M14	5950	24-10	1820	Tue	346 825 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 53 00000	MCW	(MPJ)
M14	17458	25-10	0930	Wed	617 617 617 00000	CW	(AB/MPJ/ES)
M14	5463	25-10	1920	Wed	537 825 825 53 53 = = 64532 37645 87465 ... 73546 53421 26534 = = 825 825 53 53 00000	MCW	(AB/MPJ)
M14	18041	26-10	0500	Thu	952 137 137 60 60 = = 36645 36498 78269 ... 98510 93897 90705 = = 137 137 60 60 00000	CW	(AB-KOR)
M14	18041	27-10	0500	Fri	952 680 680 50 50 = = 48340 60597 39370 ... 24227 26702 02915 = = 680 680 50 50 00000	CW	(AB-KOR)
M14	5560	28-10	0900	Sat	171 (traffic uncopiable)	MCW	(MPJ)
M14	5240	29-10	2300	Sun	376 263 263 47 47 = = 24315 75648 94857 ... 16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB)
M14	5825	30-10	0000	Mon	376 263 263 47 47 = = 24315 75648 94857 ... 16425 63524 17652 = = 263 263 47 47 00000	MCW	(AB)
M14	18041	30-10	0500	Mon	952 143 143 60 60 = 21929 54465 07257 ... 23003 94941 09987 = = 143 143 60 60 00000	CW	(AB-CHN)
M21	4639.5	2-10	1640	Mon	Russian Air Defense: =1776694657233 =17766946572934 =991938??0???? =17766946572235 =17766946572235 =991939??0?????	CW	(SP1)
M21	4628	2-10	1805	Mon	=992105??8????? =992106??8????? =992107??8????? =44743474322?00	CW	(AB)
M21	6911.5	29-10	1352	Sun	Russian Air Defense =991651??8????? =991652??8?????	CW	(WP3)
M21	4639.5	29-10	1600	Sun	Russian Air Defense =991800??0????? =991801??0?????	CW	(WP3)
M22	6607	9-10	1958	Mon	VVV DE 4XZ 4XZ = =	CW	(tING)
M22	8002	10-10	2015	Tue	VVV DE 4XZ 4XZ = =	CW	(tING)
M22	4431	14-10	2257	Sat	4XZ: id and encrypted msgs	CW	(PT3)
M22	9900	15-10	1710	Sun	vvv de 4xz 4xz 5 fgs	CW	(BvR)
M22	8002	16-10	1639	Mon	VVV de 4XZ 4XZ AR NW QTC NR 153	CW	(BvR)
M22	8002	18-10	1728	Wed	vvv de 4xz 4xz	CW	(BvR)
M22	8002	21-10	0639	Sat	VVV DE 4XZ 4XZ = =	CW	(AB)
M22	8002	23-10	2023	Mon	i.p. AR AR VVV DE 4XZ 4XZ	CW	(AAI)
M22	6607	25-10	1735	Wed	VVV DE 4XZ 4XZ and mgs	CW	(BvR)
M23	7500	9-10	1419	Mon	i.p. 123	CW	(Danix)
M32	10940	2-10	1158	Mon	i.p. LDBO LDBO LDBO QTC 959 .5 2 1450 959 = ZT... = WSPBK AFUAZ DBDSK RNN\O\U NKYRM MAGD\U OOOYCK DRO\AG ...	CW	(JPL-Sib)
M32	5693	2-10	1706	Mon	ICA4 wkg 9DHO: 404 2 29 2010 404 = FM ICA4 FOR SAHG 382 WIOEK RIOEM PGJOW .. LDKXO NZXOD PWPWT RPT ALL QLN K	CW	(AnEur)
M32	4832	5-10	1827	Thu	839 31 5 2120 839 = 989 = 26551 52639 15148 ... 57670 73400 05028 042 = LDBO LDBO LDBO	CW	(JPL-Sib)

M32	5796.5	6-10	1218	Fri	Russian military i.p. 77860 44652 99256 93176 71685 = 37792 72158 72588 44510 79044 46687 24185 78579 35731 06099 K. HRSU R 12 QRV K	CW	(JPL-NOR)
M32	5434	6-10	1224	Fri	Russian military i.p. GACM 708 23 6 1522 708 = 594 = DDDDD EMVOH KOHWM WHBVD ZHLP...	CW	(JPL-NOR)
M32	4140.5	6-10	1230	Fri	Russian military simplex net i.p. 79810 78862 13771 24483 50435 04655 90826 ... K. RPT 10 K. = 64519 K. 6MEI R .96 K R K	CW	(JPL-NOR)
M32	4617	6-10	1301	Fri	XXX XXX Q8BE Q8BE 11085 KROTOKURD 3404 4450 XXX XXX Q8BE Q8BE 11085 KROTOKURD 3404 4450 K	CW	(JPL-NOR)
M32	14440	7-10	1717	Sat	XXX XXX 9TIC 9TIC 55900 DUBONAB 56733 528 K	CW	(ikOpav)
M32	4718	9-10	1450	Mon	i.p. 78587 98999 15263 ... 52558 78933 09040 = 018 K. DE VG8Z R 674 K. OK QRU ? K. QRU K. QXS OK K	CW	(JPL)
M32	4977	10-10	1422	Tue	L3EL DE C3AE QSA ? 8 K. 4T2Q DE C3AE QSA ? K. E6PA DE C3AE QSA ? K. B.WP DE C3A3 QSA ? K. V-marker after the traffic	CW	(JPL-Sib)
M32	10796	11-10	0950	Wed	i.p. RAA QYT 4 QSA NO QCM K. RAA K	CW	(JPL-Sib)
M32	5693	11-10	1606	Wed	VHDI wkg S66X: 260 29 11 1905 260 = FM VHDI FOR ZA8X 824 WUBOM ZEGOR HIWAR ... DyrjJ HPOChT TT PWT K	CW	(AnEur)
M32	8480	12-10	1051	Thu	AKHX wkg OUAW: QTC 501 29 12 1349 501 = ZAS 631 PPPP NLCMO VSYSE WRGFI OIZDO ... 631 K	CW	(AnEur)
M32	7967	12-10	1410	Thu	YN9Q: 957 38 12 1846 957 = 437 QOFLE LSHSD OKMFU OREMG OKMFH ...	CW	(AnEur)
M32	12221	14-10	0842	Sat	FLSK FLSK FLSK DE LWZU LWZU K	CW	(AB)
M32	11104	15-10	0803	Sun	XXX XXX WEGI WEGI 44851 00801 MAWROSEJM 6689 1675 SEWOTEG 8390 8432 K (0804z)	CW	(JPL-CHN)
M32	9170	20-10	1044	Fri	GO6O PPPPP PPPPP XXX XXX GO6O GO6O PPPPP PPPPP K	CW	(JPL-Sib)
M32	13404	23-10	0740	Mon	i.p. 95765 63316 64068 36942 15680 63422 80117 72557 37206 39601 46863 74968 23022 RPT AL QLN K	CW	(JPL-Sib)
M32a	11096	1-10	0931	Sun	i.p. VVV RMSB DE RJS K. VVV RFX56 DE RJS QSA ? VVV RFX56 DE RJS QSA ? K. RMSB DE RJS QSA 2 QAP K	CW	(JPL-Sib)
M32a	9145	4-10	0727	Wed	i.p. RHN85 RHN85 DE RIW RIW QSA? K	CW	(AB)
M32a	6449	6-10	1030	Fri	Russian Navy i.p. RIT QSL 539 K	CW	(JPL-NOR)
M32a	6905	6-10	1206	Fri	Russian Navy i.p. VVV RAN64 QSA ? K. VVV RFY QSA ? K. R Q 61 DE RFY QSA 2 K. QSA 3 NIL SK OK NIL GB SK VVV RAN64 QSA ? K	CW	(JPL-NOR)
M32a	8369	8-10	1740	Sun	REO REO DE RMP RMP QTC 361 155 8 1957 361 SML PROGNOZ OGODY S 18 ASOW 9 OKTBR DO 18 ASOW 11 OKTBR 2017	CW	(BvR)
M32a	3531	20-10	0003	Fri	RCV DE RCJG QSA ? QTC K. RCV QRZ ? K. VVV RCV DE RCJG QSA ? QTC K	CW	(JPL-S)
M32b	8816	3-10	1055	Tue	RJF94: Russian Naval Aviation Moscow: 08746 de rjf94 qsa1 qrv k	CW	(WP3)
M32b	8816	3-10	1535	Tue	rjc38 rjf94 de 08746 qto 1523 qrd XLMV XLDR qre 1723 qbd 0600 k	CW	(WP3)
M32b	8816	10-10	0709	Tue	rjc38 rjf94 de 26702 qto 0700 qrd XLLV XLMV qre 1000 qbd 0500 k. qth 16541 13359 qtr 0808 qbd 0400 qbg	CW	(WP3)
M32b	8816	10-10	1150	Tue	rjc38 rjf94 de 08746 qto 1141 qrd XLMG XLMV qre 1201 qbd 0530 k. qqm XLMG 1155	CW	(WP3)
M32b	8816	19-10	0755	Thu	rjc38 rjf94 de 08746 qth 15942 15000 qtr 0751 qbg 7300 qbd 0430 k	CW	(WP3)
M32b	8816	19-10	0904	Thu	rjf94 rjc38 de 54671 qto 0901 qrd XLLV XLMV qre 1103 qbd 0900 k	CW	(WP3)

M32b	8816	19-10	1048	Thu	No times given in the message. rjf94 rjc38 de 84172 qth 16556 17701 qbd 0540 k	CW	(WP3)
M32b	8816	19-10	1204	Thu	rjf94 rjc38 de 08746 qto 1156 qrd XLMV XLAA qre 1400 qbd 0700 k	CW	(WP3)
M32c	4521	1-10	1741	Sun	i.p. 83304 10079 20045 70222 88500 = REA4 K	CW	(JPL-CHN)
M32c	10735.5	15-10	0800	Sun	XXX XXX 1QRF 1QRF 57801 MAWROSEJM 6689 1675 SEWOTEG 8390 8432 K	CW	(JPL-CHN)
M32c	5835	26-10	1759	Thu	Tu-95MS Bear H net: DSA7 DE QZ6Y K	CW	(Tom)
M32c	5835	26-10	1802	Thu	K-markers: Tu-95MS Bear H net	CW	(Tom)
M32c	5835	26-10	1827	Thu	Tu-95MS Bear H net: F2TD DE QZ6Y K	CW	(Tom)
M32c	5023	31-10	1240	Tue	i.p. 82002 10044 20037 76166 = REA4 K	CW	(JPL-Sib)
M42	16059	18-10	0835	Wed	Russian intel.	MFSK-16	(SP1)
M42	14894	18-10	0842	Wed	Russian intel i.p.	MFSK-16/132Bd	(SP1)
M42	17452	18-10	0905	Wed	Russian intel i.p.	MFSK-16/66Bd	(SP1)
M42	16309	18-10	0921	Wed	Russian intel i.p.	MFSK-16/66Bd	(SP1)
M42	15847	18-10	1106	Wed	Russian intel i.p.	MFSK-16/33Bd	(SP1)
M42	7962	22-10	1400	Sun	Russian intel	MFSK-16/33Bd	(AB)
M42	7471	22-10	1420	Sun	Russian intel	MFSK-16/33Bd	(AB)
M42	6774	22-10	1440	Sun	Russian intel	MFSK-16/33Bd	(AB)
M42	14579	23-10	0720	Mon	Russian intel.	MFSK-16	(AB)
M42	17461	23-10	0800	Mon	Russian intel.	MFSK-16/132Bd	(AB)
M42	16279	23-10	0820	Mon	Russian intel.	MFSK-16/132Bd	(AB)
M42	14894	23-10	0840	Mon	Russian intel.	MFSK-16/132Bd	(AB)
M42	17452	23-10	0900	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	16309	23-10	0920	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	14953	23-10	0940	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	13375	23-10	1000	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	12163	23-10	1020	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	11438	23-10	1040	Mon	Russian intel.	MFSK-16/66Bd	(AB)
M42	15847	23-10	1100	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	14526	23-10	1120	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	13523	23-10	1140	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	12184	23-10	1200	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	11145	23-10	1220	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	10263	23-10	1240	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	23-10	1300	Mon	Russian intel.	MFSK-16/33Bd	(AB)
M42	9057	23-10	1320	Mon	Russian intel.	MFSK-	(AB)

							16/33Bd	
M42	8095	23-10	1340	Mon	Russian intel.		MFSK-16/33Bd	(AB)
M42	7962	23-10	1400	Mon	Russian intel.		MFSK-16/33Bd	(AB)
M42	7471	23-10	1420	Mon	Russian intel.		MFSK-16/33Bd	(AB)
M42	6774	23-10	1440	Mon	Russian intel.		MFSK-16/33Bd	(AB)
M42	14579	24-10	0720	Tue	Russian intel.		MFSK-16/132Bd	(AB)
M42	17461	24-10	0800	Tue	Russian intel.		MFSK-16/132Bd	(AB)
M42	16279	24-10	0820	Tue	Russian intel.		MFSK-16/132Bd	(AB)
M42	14894	24-10	0840	Tue	Russian intel.		MFSK-16/132Bd	(AB)
M42	17452	24-10	0900	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	16309	24-10	0920	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	14953	24-10	0940	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	13375	24-10	1000	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	12163	24-10	1020	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	11438	24-10	1040	Tue	Russian intel.		MFSK-16/66Bd	(AB)
M42	15847	24-10	1100	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	14526	24-10	1120	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	13523	24-10	1140	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	12184	24-10	1200	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	11145	24-10	1220	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	10263	24-10	1240	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	10165	24-10	1300	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	9057	24-10	1320	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	8095	24-10	1340	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	7962	24-10	1400	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	7471	24-10	1420	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	6774	24-10	1440	Tue	Russian intel.		MFSK-16/33Bd	(AB)
M42	14579	25-10	0720	Wed	Russian intel.		MFSK-16	(AB)
M42	17461	25-10	0800	Wed	Russian intel.		MFSK-16/132Bd	(AB)
M42	16279	25-10	0820	Wed	Russian intel.		MFSK-16/132Bd	(AB)
M42	14894	25-10	0840	Wed	Russian intel.		MFSK-16/132Bd	(AB)

M42	17452	25-10	0900	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	16309	25-10	0920	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	14953	25-10	0940	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	13375	25-10	1000	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	12163	25-10	1020	Wed	Russian diplo/intel.	MFSK-16/66.6Bd	(AAI)
M42	12163	25-10	1020	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	11438	25-10	1040	Wed	Russian intel.	MFSK-16/66Bd	(AB)
M42	15847	25-10	1100	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	14526	25-10	1120	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	13523	25-10	1140	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	12184	25-10	1200	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	11145	25-10	1220	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	10263	25-10	1240	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	25-10	1300	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	25-10	1320	Wed	Russian diplo/intel.	MFSK-16/66.6Bd	(AAI)
M42	9057	25-10	1320	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	25-10	1340	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	7962	25-10	1400	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	7471	25-10	1420	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	6774	25-10	1440	Wed	Russian intel.	MFSK-16/33Bd	(AB)
M42	11438	26-10	1040	Thu	Russian intel.	MFSK-16/66Bd	(AB)
M42	15847	26-10	1100	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	14526	26-10	1120	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	13523	26-10	1140	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	12184	26-10	1200	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	11145	26-10	1220	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	10263	26-10	1240	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	26-10	1300	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	9057	26-10	1320	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	26-10	1340	Thu	Russian intel.	MFSK-16/33Bd	(AB)

M42	7962	26-10	1400	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	7471	26-10	1420	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	6774	26-10	1440	Thu	Russian intel.	MFSK-16/33Bd	(AB)
M42	16336	27-10	0700	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	14579	27-10	0720	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	11529	27-10	0740	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	17461	27-10	0800	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	16279	27-10	0820	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	14894	27-10	0840	Fri	Russian intel.	MFSK-16/132Bd	(AB)
M42	17452	27-10	0900	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	16309	27-10	0920	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	14953	27-10	0940	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	13375	27-10	1000	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	12163	27-10	1020	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	11438	27-10	1040	Fri	Russian intel.	MFSK-16/66Bd	(AB)
M42	15847	27-10	1100	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	14526	27-10	1120	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	13523	27-10	1140	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	12184	27-10	1200	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	11145	27-10	1220	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	10263	27-10	1240	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	27-10	1300	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	9057	27-10	1320	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	27-10	1340	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	7962	27-10	1400	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	7471	27-10	1420	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	6774	27-10	1440	Fri	Russian intel.	MFSK-16/33Bd	(AB)
M42	17461	28-10	0800	Sat	Russian intel.	MFSK-16/132Bd	(AB)
M42	16279	28-10	0820	Sat	Russian intel.	MFSK-16/132Bd	(AB)
M42	14894	28-10	0840	Sat	Russian intel.	MFSK-16/132Bd	(AB)

M42	17452	28-10	0900	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	16309	28-10	0920	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	14953	28-10	0940	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	13375	28-10	1000	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	12163	28-10	1020	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	11438	28-10	1040	Sat	Russian intel.	MFSK-16/66Bd	(AB)
M42	15847	28-10	1100	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	14526	28-10	1120	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	13523	28-10	1140	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	12184	28-10	1200	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	11145	28-10	1220	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	10263	28-10	1240	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	28-10	1300	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	9057	28-10	1320	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	28-10	1340	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	7962	28-10	1400	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	7471	28-10	1420	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	6774	28-10	1440	Sat	Russian intel.	MFSK-16/33Bd	(AB)
M42	10165	29-10	1300	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42	9057	29-10	1320	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42	8095	29-10	1340	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42	7962	29-10	1400	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42	7471	29-10	1420	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42	6774	29-10	1440	Sun	Russian intel.	MFSK-16/33Bd	(AB)
M42b	6776	23-10	1025	Mon	Russian diplo/intel. RYRYRYRYRYRYRY 761 212 23 1000 1842 = 20786 55275 88363 6342 73113 10657 25386 66235 86835 71877	FSK 50/500	(WP3)
M51a	6825	6-10	1930	Fri	FAV22: French Morse Practice Stn. Mixed 5LGs & 5FGs.	CW	(MPJ)
M51a	6825	10-10	1807	Tue	i.p. WUJRD XVSJZ AZERTY AR	CW	(JPL-NOR)
M89	9131	1-10	0911	Sun	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	1-10	0913	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	1-10	0913	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	4123	1-10	1719	Sun	i.p. 6DA3 456U N466 6N5T TD6T AR AR	CW	(JPL)
M89	4153	1-10	1722	Sun	i.p. R NIL SK GB GLB2 K. R R NIL SK GB KTSJ K	CW	(JPL)
M89	4067	1-10	1750	Sun	V EDC4 (x3) DE VF4R (x2) //4067	CW	(JPL)

M89	4847	1-10	1750	Sun	V Z4RQ DE 3WRX //4067	CW	(JPL)
M89	3777	1-10	1756	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	1-10	1756	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5479	1-10	1800	Sun	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	2-10	0751	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	2-10	0751	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10999	2-10	0753	Mon	i.p. AR K. R QSL 1553 K. SK R SK GB GB	CW	(JPL)
M89	9131	2-10	0826	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	10198	2-10	0839	Mon	i.p. R R HR NIL SK R OK GB	CW	(JPL)
M89	5325	2-10	1221	Mon	i.p. RPT 8W 9283 9283 K. R RPT 23W 1349 1349 K. R RPT 38W 3965 3965 K	CW	(JPL)
M89	5227	2-10	1228	Mon	i.p. R HR NR 21 EEEE HR NR 210 K. R HR WK NR 13 K. R NIL SK NIL SK GB	CW	(JPL)
M89	4067	2-10	1314	Mon	V EDC4 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	2-10	1314	Mon	V Z4RQ DE 3WRX //4067 sending a different callsign	CW	(JPL)
M89	4620	2-10	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	2-10	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	2-10	1320	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	3777	2-10	1321	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	2-10	1321	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4131	2-10	1842	Mon	V JKD J (x3) DE SLBC (x2)	CW	(JPL)
M89	4067	2-10	1847	Mon	V EDC4 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	2-10	1847	Mon	V Z4RQ DE 3WRX //4067 sending a different callsign	CW	(JPL)
M89	5479	2-10	1852	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	3-10	0724	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	3-10	0724	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	3-10	0728	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	10253	3-10	0753	Tue	i.p. 4DN6 ATU5 D53D N5A4 UN4A Stopped in the middle of message	CW	(JPL)
M89	9453	3-10	0757	Tue	i.p. AR K. K K R SK GB	CW	(JPL)
M89	5479	3-10	1214	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3777	3-10	1416	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	3-10	1416	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	3-10	1418	Tue	V EDC4 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	3-10	1418	Tue	V Z4RQ DE 3WRX //4067 sending a different callsign	CW	(JPL)
M89	4620	3-10	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	3-10	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	3-10	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	5479	3-10	1422	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4720	3-10	1430	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	3-10	1430	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4367	3-10	1433	Tue	U3GR i.p. 4U76 DU3N 47A5 4UAN A5U3 ... V HVDQ DE U3GR K	CW	(JPL)
M89	4894	3-10	1501	Tue	DE DP7591 QSA 2 U ? DE DP7591 QSA 2 U ? DE DP7591 QSA 2 U ?	CW	(JPL)
M89	8301	4-10	0654	Wed	i.p. T7U6 D5NN N44U T7TU ... AR K. QSL ...56 K	CW	(JPL)
M89	6793	4-10	0701	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	4-10	0701	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)

M89	10832	4-10	0715	Wed	i.p. R RPT 40W = N7A. K. R RPT 50W = TNN6 K. U MSG GA K	CW	(JPL)
M89	10253	4-10	0721	Wed	V Z4RQ DE 3WRX	CW	(JPL)
M89	9127	4-10	0728	Wed	i.p. GA K K 7G NR 650U EEE CK 50 21 1004 1520 RMKS 9498 TO 0865 = K	CW	(JPL)
M89	9025	4-10	0735	Wed	i.p. AR K. QSL. 51. K. GA MSG NR 6224 2 EEEEE NR 62 1... 224 1004 RMKS TO K	CW	(JPL)
M89	9131	5-10	0941	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	5-10	0948	Thu	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	5-10	0948	Thu	V Z4RQ DE 3WRX //6169 sending a different callsign	CW	(JPL)
M89	6793	5-10	1008	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	5-10	1008	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	5-10	1826	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	5-10	1826	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	5-10	1841	Thu	V EDC3 (x3) DE VF4R (x2) //4847 Sending EDC3 vice EDC4.	CW	(JPL)
M89	4847	5-10	1841	Thu	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	4131	5-10	1847	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5479	5-10	1855	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	6-10	0928	Fri	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	6-10	0928	Fri	V Z4RQ DE 3WRX //6169 sending a different callsign	CW	(JPL)
M89	6793	6-10	0931	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	6-10	0931	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	6-10	0933	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6840	6-10	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	6-10	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	5562	6-10	1222	Fri	i.p. 6U7N 5434 4TA5 NN5D 7NAA 3U7T ...	CW	(JPL)
M89	4432	6-10	1234	Fri	i.p. 346D AU5. N7U. TU3 3NN. 7A4...	CW	(JPL)
M89	4532	6-10	1237	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4669	6-10	1239	Fri	i.p. U6AD 73A4 66TU ...	CW	(JPL)
M89	4781	6-10	1240	Fri	i.p. U37T 7A63 7456 DU7T A43A 64N3 U3A7 III = UN76 AR RPT RPT GA	CW	(JPL)
M89	4067	6-10	1245	Fri	V EDC3 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	6-10	1245	Fri	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	4869	6-10	1250	Fri	i.p. 76DN 656N D3T6 5T4N 6T7A ... K. R = A555 4. K. R 4NTDA AR K. 4 U35. 46T3 4735 UA7D ...	CW	(JPL)
M89	4556	6-10	1259	Fri	i.p. 34AN 364. 7446 336. ...	CW	(JPL)
M89	3777	6-10	1308	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	6-10	1308	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4247	6-10	1311	Fri	i.p. 346T U5N7 U47N 6TU5 ...	CW	(JPL)
M89	4266	6-10	1313	Fri	i.p. NR 1035 CK 94 94 94 14 4 94 = 363U 73A4 DUM 5DA...	CW	(JPL)
M89	4422	6-10	1740	Fri	i.p. 6ADN UNT6 57.6 ADNU NT65 73U5 DTA5 ...	CW	(JPL)
M89	9131	7-10	1007	Sat	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	7-10	1008	Sat	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	7-10	1008	Sat	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different callsign	CW	(JPL)
M89	6793	7-10	1014	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	7-10	1014	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	7-10	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)

					//10640		
M89	10640	7-10	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	7620	7-10	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	7-10	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7558	9-10	0707	Mon	i.p. 7G NR 5773 CK 99 88 1009 1507 K. R = A54U 7AUD 7457 366N ...	CW	(JPL)
M89	6169	9-10	0735	Mon	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	9-10	0735	Mon	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different callsign	CW	(JPL)
M89	6793	9-10	0737	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	9-10	0737	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	9-10	0740	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	3777	9-10	1436	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	9-10	1436	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	9-10	1438	Mon	V EDC3 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	9-10	1438	Mon	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	4609	9-10	1456	Mon	i.p. MSG NR 0...9 CK 10. 44 1009 .254 RMKS 8513 TO 8001 K. K R = L5NA ND6D 533T ... AR	CW	(JPL)
M89	4367	9-10	1604	Mon	i.p. DU57 3D37 D7A4 T3U. D56N ... AR K. R QSL 0105 K	CW	(JPL)
M89	3777	10-10	1358	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	10-10	1358	Tue	i.p. 3N44 TD37 D4A3 ANTEN 5N5T 5UU5 V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	10-10	1407	Tue	V EDC3 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	10-10	1407	Tue	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	6169	11-10	0954	Wed	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	11-10	0954	Wed	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different callsign	CW	(JPL)
M89	6793	11-10	0955	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	11-10	0955	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	11-10	0957	Wed	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4067	11-10	1907	Wed	V EDC3 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	11-10	1907	Wed	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	3777	11-10	1909	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-10	1909	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	12-10	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	12-10	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6169	12-10	0926	Thu	V EDC3 (x3) DE VF4R (x2) //10253	CW	(JPL)
M89	10253	12-10	0926	Thu	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different callsign	CW	(JPL)
M89	9131	12-10	0928	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6793	12-10	0933	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	12-10	0933	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3556	13-10	1605	Fri	i.p. NR MSG NR 047 CK 99 70 1014 0000 = 763T T34. .TND T36T 4D67 A7D3 6UT3 ...	CW	(JPL)
M89	4620	13-10	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4860	13-10	1620	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620	CW	(JPL)

M89	4067	13-10	1626	Fri	V EDC3 (x3) DE VF4R (x2)	CW	(JPL)
M89	3777	13-10	1629	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	13-10	1629	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	13-10	1949	Fri	V EDC3 (x3) DE VF4R (x2)	CW	(JPL)
M89	6169	15-10	0711	Sun	V 6TGU (x3) DE GR4W (x2) //10253 Roundslip changed // sending same round slip which rarely happens on this circuit lately.	CW	(JPL)
M89	10253	15-10	0711	Sun	V 6TGU (x3) DE GR4W (x2) //6169 Roundslip changed // sending same round slip which rarely happens on this circuit lately.	CW	(JPL)
M89	6793	15-10	0713	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	15-10	0713	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	15-10	0718	Sun	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	5501	15-10	0738	Sun	i.p. 56/ 9955.. K2 AR NR 57.. CK 955 RMKS CQ = TJDN K 2 AR K	CW	(JPL)
M89	3777	15-10	1857	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	15-10	1857	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	15-10	1858	Sun	V 6TGU (x3) DE GR4W (x2) //4847 Roundslip changed // sending same round slip which rarely happens on this circuit lately.	CW	(JPL)
M89	4847	15-10	1858	Sun	V 6TGU (x3) DE GR4W (x2) //4067 Roundslip changed // sending same round slip which rarely happens on this circuit lately.	CW	(JPL)
M89	6793	15-10	2237	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	15-10	2237	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	13159	16-10	0739	Mon	i.p. N7D7 7ND5 67T7 76N5 ... AR K	CW	(JPL)
M89	10253	16-10	0757	Mon	V 6TGU (x3) DE GR4W (x2)	CW	(JPL)
M89	9131	16-10	0812	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	8550	16-10	0821	Mon	i.p. U64D N56U T43D 4T6U D3A7 3ND5 7T4U 5AN6 ... AR AR K NR QSL QSL GA GB	CW	(JPL)
M89	6793	16-10	0839	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	16-10	0839	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6776	16-10	0841	Mon	i.p. 7G NR 1001 CK 45 62 1016 1630 RMKS = 41810 04189 AR K	CW	(JPL)
M89	6169	16-10	0853	Mon	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	16-10	0853	Mon	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	3777	16-10	1224	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	16-10	1224	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	9131	19-10	0939	Thu	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	6169	19-10	0941	Thu	V EDC3 (x3) DE VF4R (x2) //10253 sending a different callsign	CW	(JPL)
M89	10253	19-10	0941	Thu	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different callsign	CW	(JPL)
M89	6793	19-10	0946	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	19-10	0946	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3777	19-10	1519	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	19-10	1519	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	19-10	1519	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	4620	19-10	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	19-10	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
M89	6840	19-10	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
M89	4067	19-10	1521	Thu	V EDC3 (x3) DE VF4R (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	19-10	1521	Thu	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different callsign	CW	(JPL)
M89	4720	19-10	1530	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	19-10	1530	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)

M89	4847	20-10	0908	Fri	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a different roundslip	CW	(JPL)
M89	6169	20-10	0908	Fri	V EDC3 (x3) DE VF4R (x2) //10253 sending a different roundslip	CW	(JPL)
M89	10253	20-10	0908	Fri	V Z4RQ (x3) DE 3WRX (x2) //6169 sending a different roundslip	CW	(JPL)
M89	6793	20-10	0911	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	20-10	0911	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	20-10	0912	Fri	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	9136	20-10	0913	Fri	i.p. 6A4T 54T7 5ND3 A356 UADT TA5N A73T ... AR AR K. R R U 7G GA K. QSL 1721 K. RR SK SK (QSX 9019 kHz)	CW	(JPL)
M89	9019	20-10	0914	Fri	i.p. A66A 67DA NUN3 75U6 5TUA 7T65 TT6A 6D55 ... AR K (QSX 9136 kHz)	CW	(JPL)
M89	4020	20-10	1154	Fri	i.p. ? 457D DNNA 533D 3455 T46N N374 AN6A D35A (Cont'd)	CW	(JPL)
M89	3777	20-10	1206	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	20-10	1206	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	20-10	1207	Fri	V EDC3 (x3) DE VF4R (x2) //4847 sending a different roundslip	CW	(JPL)
M89	5158	20-10	1209	Fri	i.p. D6A3 N4T5 6TU4 734D DAUN 5TA6 ... III 2P = = 4A3N NA54 77AD D6N7 ...	CW	(JPL)
M89	4521	20-10	1217	Fri	i.p. QSB QSY TO NR 01 K. R K. QSA2 K. R GA K	CW	(JPL)
M89	5479	20-10	1355	Fri	V UISD (x3) DE CBFG (x2) //4125	CW	(JPL)
M89	6169	23-10	0750	Mon	V 6TGU (x3) DE GR4W (x2) //10253 changed roundslip	CW	(JPL)
M89	10253	23-10	0750	Mon	V 6TGU (x3) DE GR4W (x2) //6169 changed roundslip	CW	(JPL)
M89	6793	23-10	0755	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	23-10	0755	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	9131	23-10	0756	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	5725	23-10	0810	Mon	i.p. VVV KK QSY 5 QSY 5 K K RPT 56W TO 64W = 465D 4A45 UTAN 3ATA 475A AD65 ...	CW	(JPL)
M89	5773	23-10	0836	Mon	i.p. 7DT5 A536 U7TD UNU5 T56T A373 ...	CW	(JPL)
M89	3777	23-10	1235	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	23-10	1235	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4948	23-10	1235	Mon	VVV 3BN (x3) DE 9L4 (x2) QRU 0373 0373 SK SK TT	CW	(JPL)
M89	4067	23-10	1236	Mon	V 6TGU (x3) DE GR4W (x2) //4847 changed roundslip	CW	(JPL)
M89	4847	23-10	1236	Mon	V 6TGU (x3) DE GR4W (x2) //4067 changed roundslip	CW	(JPL)
M89	4091	23-10	1239	Mon	i.p. 563D N437 A5D3 7UN5 ...	CW	(JPL)
M89	5454	23-10	1248	Mon	i.p. 4AD3 D3DU 753N TA45 D457 3773 356T TAUD ... AR	CW	(JPL)
M89	3777	24-10	1540	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	24-10	1540	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	24-10	1541	Tue	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	24-10	1541	Tue	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	4131	24-10	1546	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4334	24-10	1550	Tue	i.p. N4AT 7365 4376 NU56 ND45 6745 ... AR K	CW	(JPL)
M89	3777	25-10	1104	Wed	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4532	25-10	1104	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	25-10	1104	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	4067	25-10	1106	Wed	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	25-10	1106	Wed	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	9131	25-10	1108	Wed	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4392	25-10	1111	Wed	VVV B72 (x3) DE SEO (x2) QRU 1716 1716 SK SK T T (tentative M89)	CW	(JPL)
M89	4860	25-10	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)

//6840							
M89	6840	25-10	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3777	26-10	1050	Thu	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	4532	26-10	1050	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 8060	CW	(JPL)
M89	8060	26-10	1050	Thu	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	9131	26-10	1053	Thu	V IISD (x3) DE CBFG (x2) Note: Sending IISD vice UISA.	CW	(JPL)
M89	6169	26-10	1055	Thu	V 6TGU (x3) DE GR4W (x2) (IP - Cont'd)	CW	(JPL)
M89	4238	26-10	1102	Thu	i.p. 3A5D 6NUN T357 6ADU 45AT 3D67 ...	CW	(JPL)
M89	4433	26-10	1113	Thu	i.p. 7U46 T.U3 6UN3 56N4 7D53 U5DT ...	CW	(JPL)
M89	4517	26-10	1114	Thu	VVV TT6 (x3) DE 3TF QRU	CW	(JPL)
M89	4860	26-10	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	26-10	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4067	26-10	1123	Thu	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	26-10	1123	Thu	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	5027	26-10	1126	Thu	i.p. 10 K R R SK GB	CW	(JPL)
M89	4720	26-10	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	26-10	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4610	26-10	1131	Thu	i.p. RMKS 5074 TO 5056 K K CK CK Q Q Q U U 3 3 3 7 7 7 7 3 7 37373737744566DAU34567 DNT (see N&O 241)	CW	(JPL)
M89	4605	26-10	1152	Thu	i.p. T36N NAA6 TUA4 6D75 73UA TUT3 3U6U ...	CW	(JPL)
M89	4532	27-10	2143	Fri	V M8JF (x3) DE RIS9 (x2) //6793 and 8060	CW	(JPL)
M89	6793	27-10	2143	Fri	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	8060	27-10	2143	Fri	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4067	27-10	2145	Fri	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	27-10	2145	Fri	V 6TGU (x3) DE GR4W (x2) //4067	CW	(JPL)
M89	5479	27-10	2149	Fri	V UISD (x3) DE (x2) (note: roundslip is missing one callsign)	CW	(JPL)
M89	6169	30-10	0803	Mon	V 6TGU (x3) DE GR4W (x2) //10253	CW	(JPL)
M89	10253	30-10	0803	Mon	V 6TGU (x3) DE GR4W (x2) //6169	CW	(JPL)
M89	9131	30-10	0808	Mon	V UISD (x3) DE (x3)	CW	(JPL)
M89	6793	30-10	0811	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	30-10	0811	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	7889	30-10	0815	Mon	i.p. IEC = 1216 AR K. OK HR F GA K. OK NR .9715/EX 1614 RMKS 4098 TO 4092 K	CW	(JPL)
M89	7900	30-10	0822	Mon	i.p. 6T5U 3DA7 U65T ... AR K	CW	(JPL)
M89	3777	30-10	1911	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	30-10	1911	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4067	30-10	1913	Mon	V 6TGU (x3) DE GR4W (x2) //4847	CW	(JPL)
M89	4847	30-10	1913	Mon	V 6TGU (x3) DE GR4W (x2) //4607	CW	(JPL)
M89	5479	30-10	1915	Mon	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	5018	31-10	1242	Tue	i.p. RPT K. R HR NR 45 K. R OK SK K. R	CW	(JPL)
M89	4847	31-10	1250	Tue	V Z4RQ (x3) DE 3WRX (x2)	CW	(JPL)
M89	4067	31-10	1608	Tue	V 6TGU (x3) DE GR4W (x2) //4847 sending a different callsign	CW	(JPL)
M89	4847	31-10	1608	Tue	V Z4RQ (x3) DE 3WRX (x2) //4067 sending a diffe- rent callsign	CW	(JPL)
M89	3777	31-10	1611	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	31-10	1611	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5479	31-10	1612	Tue	V UISD (x3) DE CBFG (x2)	CW	(JPL)
M89	4620	31-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	31-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4260 and 6840	CW	(JPL)
M89	6840	31-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4260 and 4860	CW	(JPL)

M89	4720	31-10	1630	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	31-10	1630	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M95	10180	1-10	0917	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	9153	1-10	0922	Sun	i.p. MSG NR 927 CK 07 5 1001 1546 ..3 UT3 TT. U TT. TT5 TT7 773 ...	CW	(JPL-NZL)
M95	5801	1-10	0927	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-10	0927	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	1-10	1717	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-10	1717	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	2-10	0831	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	2-10	1154	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	2-10	1154	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	8954	2-10	1203	Mon	V KB2U(x3) DE 9289 (x2) K. R 9289 9289 DE KB2U QSA 3 QSA ? K (Both stations on this frequency)	CW	(JPL-CHN)
M95	7602	2-10	1828	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	2-10	1858	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	2-10	1858	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	3-10	0722	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4243	3-10	1150	Tue	i.p. GA NR 67 CK 31 35 1003 1605 = UT5 TT3 3U6 3A4 TTA TTU TT3 773 353 N3D	CW	(JPL-CHN)
M95	3642	3-10	1513	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	3-10	1513	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	4-10	0631	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10999	4-10	0705	Wed	i.p. = A67T 6N3A UN37 ... AR K	CW	(JPL-KOR)
M95	5801	5-10	1010	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-10	1010	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	5-10	1823	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	5-10	1823	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4153	6-10	0701	Fri	i.p. V QWEJ (x3) DE 5RJB (x2) CW L DE JBS7 QSA 2 QSA ? (see N&O 241)	CW	(JPL-CHN)
M95	10180	6-10	0926	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	6-10	1305	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	6-10	1654	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7642	6-10	1654	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	7-10	0948	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-10	0948	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	10999	7-10	1052	Sat	i.p. NR 42/CCK CK 99 86 1007 1902 RMKS 17.0 TO 0140 K	CW	(JPL-NZL)
M95	7553	7-10	1312	Sat	BNEC (x3) DE XSV70 (x2) V HR MSG TO Y PSE PSE CY NR 924 CK .5 35 1007 1507 ... //9153 kHz	CW	(JPL-KOR)
M95	9153	7-10	1312	Sat	BNEC (x3) DE XSV70 (x2) V HR MSG TO Y PSE PSE CY NR 924 CK .5 35 1007 1507 ... //7553 kHz	CW	(JPL-KOR)
M95	10180	9-10	0752	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	9-10	0802	Mon	i.p. COMM/1630/XZ758/81/9425/6857 AR QSL ? HR WK NR 100 V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	9-10	1555	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	9-10	1555	Mon	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	5801	10-10	0942	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	10-10	0942	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	7602	10-10	1412	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	10-10	1747	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	10-10	1747	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	11-10	0947	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	11-10	0947	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	11-10	1657	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	11-10	1657	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	9054	12-10	0936	Thu	i.p. NR 91 CK 19 35 1012 1642 = UT5 TAU 3U6 3A4 TTA TTU TT3 773 353 U4T ...	CW	(JPL-NZL)
M95	9153	12-10	0948	Thu	i.p. N3D 447 II 4D6 75. 4D3 TAT ... 7G AGN NR 940 CK 20. 35 1012 16.0 .. UT3 TAU ..6 ...	CW	(JPL-NZL)

M95	5801	12-10	1018	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	12-10	1018	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	13-10	1558	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	13-10	1952	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	13-10	1952	Fri	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	5801	15-10	0749	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-10	0749	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	15-10	1855	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-10	1855	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	16-10	0735	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	8130	16-10	0826	Mon	V HPOS HPOS DE RTLC RTLC HR MSG GA HR MSG GA MSG NR 08/CCK CK 28 46 1016 1640 RMKS 9974 TO 491344378502 =	CW	(JPL-CHN)
M95	4243	16-10	1151	Mon	i.p. NR 002 CK 17 35 1016 1530 = 5TD UTT TA6 3U6 3A4 353 4T3 U7U N4A 445 ... //9054 kHz	CW	(JPL-CHN)
M95	9054	16-10	1151	Mon	i.p. NR 002 CK 17 35 1016 1530 = 5TD UTT TA6 3U6 3A4 353 4T3 U7U N4A 445 ... //4243 kHz	CW	(JPL-CHN)
M95	10180	19-10	0851	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	7602	19-10	1532	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	20-10	1043	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-10	1043	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	20-10	1351	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-10	1351	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	23-10	0736	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	23-10	1212	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	23-10	1212	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4243	23-10	1222	Mon	A HR MSG GA NR 025 CK 19 35 1023 1632 = = UT5 TU3 3U6 3A4 TTA TTU ... //9054 kHz	CW	(JPL-KOR)
M95	9054	23-10	1222	Mon	A HR MSG GA NR 025 CK 19 35 1023 1632 = = UT5 TU3 3U6 3A4 TTA TTU ... //4243 kHz	CW	(JPL-KOR)
M95	3642	23-10	1539	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-10	1539	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	24-10	1537	Tue	V DKG6 (x3) DE 3A7D (x2) (/760	CW	(JPL)
M95	7602	24-10	1537	Tue	V DKG6 (x3) DE 3A7D (x2) (/3642	CW	(JPL)
M95	5801	25-10	1059	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	25-10	1059	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	26-10	1049	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	26-10	1049	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	27-10	2141	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	27-10	2141	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	30-10	1909	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	30-10	1909	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	31-10	1230	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4399	31-10	1256	Tue	i.p. 4 = = U444 = = A355 6554 05 05 05 HR CCK TO U PSB OTENNY = NR .OC125 CLS33 DATE 1031 TIME .957 RMKS CQ 5365 TO 464. TO 5365 / QSL ?	CW	(JPL-Sib)
M95	7602	31-10	1606	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
MX	13527.7	6-10	0654	Fri	Beacon D, Sevastopol	CW	(AB-RUS)
MX	13528	6-10	0654	Fri	Beacon C, Moscow	CW	(AB-RUS)
MX	13528.1	6-10	0654	Fri	Beacon A, Astrakhan	CW	(AB-RUS)
MX	13528.4	6-10	0654	Fri	Beacon M, Magadan	CW	(AB-RUS)
MX	10871.7	6-10	0655	Fri	Beacon D, Sevastopol	CW	(AB-RUS)
MX	8495.1	6-10	0656	Fri	Beacon A, Astrakhan	CW	(AB-RUS)
MX	16331.8	7-10	1400	Sat	Beacon D, Sevastopol	CW	(GNL)
MX	20047.9	7-10	1400	Sat	Beacon S, Sevoromorsk	CW	(GNL)
MX	5153.7	7-10	2036	Sat	Beacon D, Sevastopol	CW	(ER-HOL)
MX	13527.8	8-10	1245	Sun	Beacon D, Sevastopol	CW	(GNL)
MX	13527.9	8-10	1245	Sun	Beacon S, Sevoromorsk	CW	(GNL)
MX	13528	8-10	1245	Sun	Beacon C, Moscow	CW	(GNL)

MX	16331.8	8-10	1245	Sun	Beacon D, Sevastopol	CW	(GNL)
MX	16332	8-10	1245	Sun	Beacon C, Moscow	CW	(GNL)
MX	20047.8	8-10	1245	Sun	Beacon D, Sevastopol	CW	(GNL)
MX	7508.9	9-10	1636	Mon	Beacon S, Sevastopol	CW	(BvR)
MX	16332.2	13-10	0429	Fri	Beacon F, Vladivostok	CW	(AB-J)
MX	13528.2	13-10	0430	Fri	Beacon F, Vladivostok	CW	(AB-J)
MX	13528.3	13-10	0430	Fri	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	13528.4	13-10	0430	Fri	Beacon M, Magadan	CW	(AB-J)
MX	8495.1	15-10	1617	Sun	Beacon A, Astrakhan	CW	(AB-KOR)
MX	8495.4	15-10	1617	Sun	Beacon M, Magadan	CW	(AB-KOR)
MX	13527.2	15-10	1617	Sun	Beacon F, Vladivostok	CW	(AB-KOR)
MX	5154.4	15-10	1618	Sun	Beacon M, Magadan	CW	(AB-KOR)
MX	5154.1	15-10	1619	Sun	Beacon A, Astrakhan	CW	(AB-Sib)
MX	13527.7	15-10	1625	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10871.7	15-10	1627	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10872	15-10	1627	Sun	Beacon C, Moscow	CW	(AB)
MX	10872.1	15-10	1627	Sun	Beacon A, Astrakhan	CW	(AB)
MX	5156.8	15-10	1628	Sun	Beacon L, St Petersburg	CW	(AB)
MX	8497.8	15-10	1628	Sun	Beacon L, St Petersburg	CW	(AB)
MX	5154.1	17-10	1902	Tue	Beacon A, Arkhangelsk	CW	(AB-CHN)
MX	5154.4	17-10	1902	Tue	Beacon M, Magadan	CW	(AB-CHN)
MX	7038.4	17-10	1902	Tue	Beacon M, Magadan	CW	(AB-CHN)
MX	7508.9	17-10	1907	Tue	Beacon S, Sevoromorsk	CW	(AB)
MX	7509.1	20-10	1304	Fri	Beacon A, Astrakhan	CW	(AB)
MX	13527.9	24-10	1611	Tue	Beacon S, Severomorsk	CW	(MPJ)
MX	7509.1	26-10	1948	Thu	Beacon A, Astrakhan	CW	(AB)
MX	20048.1	30-10	0955	Mon	Beacon A, Astrakhan	CW	(EW)
MX	16331.7	30-10	1007	Mon	Beacon D, Sevastopol	CW	(AB)
MX	16331.9	30-10	1007	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	16332.1	30-10	1007	Mon	Beacon A, Astrakhan	CW	(AB)
MX	20047.7	30-10	1007	Mon	Beacon D, Sevastopol	CW	(AB)
MX	20048	30-10	1007	Mon	Beacon C, Moscow	CW	(AB)
MX	20048.1	30-10	1007	Mon	Beacon A, Astrakhan	CW	(AB)
MX	13527.7	30-10	1009	Mon	Beacon D, Sevastopol	CW	(AB)
MX	13528	30-10	1009	Mon	Beacon C, Moscow	CW	(AB)
MX	13528.1	30-10	1009	Mon	Beacon A, Astrakhan	CW	(AB)
MX	10871.7	30-10	1010	Mon	Beacon D, Sevastopol	CW	(AB)
MX	10871.9	30-10	1010	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	10872	30-10	1010	Mon	Beacon C, Moscow	CW	(AB)
MX	8497.8	30-10	1012	Mon	Beacon L, St Petersburg	CW	(AB)
MX	7508.9	30-10	1016	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	10872.1	30-10	1259	Mon	Beacon A, Astrakhan	CW	(AB)
MX	8494.7	30-10	1302	Mon	Beacon D, Seveastopol	CW	(AB)
MX	8494.9	30-10	1302	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	8495.1	30-10	1302	Mon	Beacon A, Astrakhan	CW	(AB)
MX	5156.9	30-10	1305	Mon	Beacon L, St Petersburg	CW	(AB)
POL	11107	1-10	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	11107	1-10	1125	Sun	Polish Intel.	QPSK-63	(MPJ)
POL	13873	1-10	1410	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13873	1-10	1415	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	1-10	1440	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	1-10	1445	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	1-10	1500	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	1-10	1505	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10641	2-10	0940	Mon	Polish Intel.	QPSK-125	(AB/MPJ/Danix)
POL	10641	2-10	0945	Mon	Polish Intel.	QPSK-125	(AB/Danix)
POL	11107	2-10	1120	Mon	Polish Intel.	QPSK-63	(Danix)
POL	11107	2-10	1125	Mon	Polish Intel.	QPSK-63	(Danix)
POL	13873	2-10	1410	Mon	Polish Intel.	BPSK-63	(Danix/MPJ)
POL	13873	2-10	1415	Mon	Polish Intel.	BPSK-63	(Danix/MPJ)

POL	13575	2-10	1440	Mon	Polish Intel.	BPSK-63	(Danix)
POL	13575	2-10	1445	Mon	Polish Intel.	BPSK-63	(Danix)
POL	11107	4-10	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	11107	4-10	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10728	4-10	1225	Wed	Polish Intel.	BPSK-63	(AB/Danix)
POL	10728	4-10	1230	Wed	Polish Intel.	BPSK-63	(AB/Danix)
POL	5779	4-10	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	4-10	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	4-10	1500	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	4-10	1505	Wed	Polish Intel.	BPSK-63	(AB)
POL	4505	4-10	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4505	4-10	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	10641	6-10	0940	Fri	Polish Intel.	QPSK-125	(AB)
POL	10641	6-10	0945	Fri	Polish Intel.	QPSK-125	(AB)
POL	13575	6-10	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	13575	6-10	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	6-10	1500	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	6-10	1505	Fri	Polish Intel.	BPSK-63	(AB/MPJ)
POL	4505	6-10	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4505	6-10	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10728	7-10	1225	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10728	7-10	1230	Sat	Polish Intel.	BPSK-63	(AB/MPJ)
POL	5779	7-10	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	7-10	1440	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	7-10	1500	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	7-10	1505	Sat	Polish Intel.	BPSK-63	(AB)
POL	11107	8-10	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	11107	8-10	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13873	8-10	1410	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13873	8-10	1415	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	8-10	1440	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	8-10	1445	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	8-10	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	10302	8-10	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10641	9-10	0940	Mon	Polish Intel.	QPSK-125	(AB/MPJ)
POL	10641	9-10	0945	Mon	Polish Intel.	QPSK-125	(AB/MPJ)
POL	13873	9-10	1410	Mon	Polish Intel.	BPSK-63	(AB)
POL	13873	9-10	1415	Mon	Polish Intel.	BPSK-63	(AB)
POL	10728	11-10	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10728	11-10	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	11-10	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	11-10	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	11-10	1500	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	11-10	1505	Wed	Polish Intel.	BPSK-63	(AB)
POL	4505	11-10	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4505	11-10	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	10641	13-10	0940	Fri	Polish Intel.	QPSK-125	(AB)
POL	10641	13-10	0945	Fri	Polish Intel.	QPSK-125	(AB)
POL	13575	13-10	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	13575	13-10	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	13-10	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	13-10	1505	Fri	Polish Intel.	BPSK-63	(AB)
POL	4505	13-10	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4505	13-10	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10728	14-10	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10728	14-10	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	14-10	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	14-10	1440	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	14-10	1500	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	14-10	1505	Sat	Polish Intel.	BPSK-63	(AB)

POL	11107	15-10	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	11107	15-10	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13873	15-10	1410	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13873	15-10	1415	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	15-10	1440	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	15-10	1445	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	15-10	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	10302	15-10	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10641	16-10	0940	Mon	Polish Intel.	QPSK-125	(AB/MPJ)
POL	10641	16-10	0945	Mon	Polish Intel.	QPSK-125	(AB/MPJ)
POL	13873	16-10	1410	Mon	Polish Intel.	BPSK-63	(AB)
POL	13873	16-10	1415	Mon	Polish Intel.	BPSK-63	(AB)
POL	11107	18-10	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	11107	18-10	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10728	18-10	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10728	18-10	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	18-10	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	18-10	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	18-10	1500	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	18-10	1505	Wed	Polish Intel.	BPSK-63	(AB)
POL	4505	18-10	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4505	18-10	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	10641	20-10	0940	Fri	Polish Intel.	QPSK-125	(AB)
POL	10641	20-10	0945	Fri	Polish Intel.	QPSK-125	(AB)
POL	13575	20-10	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	13575	20-10	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	20-10	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	20-10	1505	Fri	Polish Intel.	BPSK-63	(AB)
POL	4505	20-10	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4505	20-10	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10728	21-10	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10728	21-10	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	21-10	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	21-10	1440	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	21-10	1500	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	21-10	1505	Sat	Polish Intel.	BPSK-63	(AB)
POL	11107	22-10	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	11107	22-10	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13873	22-10	1410	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13873	22-10	1415	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	22-10	1440	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	13575	22-10	1445	Sun	Polish Intel.	BPSK-63	(AB/MPJ)
POL	10302	22-10	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	10302	22-10	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10641	23-10	0940	Mon	Polish Intel.	QPSK-125	(AB)
POL	10641	23-10	0945	Mon	Polish Intel.	QPSK-125	(AB)
POL	13873	23-10	1410	Mon	Polish Intel.	BPSK-63	(AB)
POL	13873	23-10	1415	Mon	Polish Intel.	BPSK-63	(AB)
POL	11107	25-10	1120	Wed	Polish Intel.	QPSK-63	(AB)
POL	11107	25-10	1125	Wed	Polish Intel.	QPSK-63	(AB)
POL	10728	25-10	1225	Wed	Polish Intel.	BPSK-63	(AB)
POL	10728	25-10	1230	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	25-10	1435	Wed	Polish Intel.	BPSK-63	(AB)
POL	5779	25-10	1440	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	25-10	1500	Wed	Polish Intel.	BPSK-63	(AB)
POL	13873	25-10	1505	Wed	Polish Intel.	BPSK-63	(AB)
POL	4505	25-10	2035	Wed	Polish Intel.	QPSK-63	(AB)
POL	4505	25-10	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	10641	27-10	0940	Fri	Polish Intel.	QPSK-125	(AB)
POL	10641	27-10	0945	Fri	Polish Intel.	QPSK-125	(AB)

POL	13575	27-10	1440	Fri	Polish Intel.	BPSK-63	(AB)
POL	13575	27-10	1445	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	27-10	1500	Fri	Polish Intel.	BPSK-63	(AB)
POL	10302	27-10	1505	Fri	Polish Intel.	BPSK-63	(AB)
POL	4505	27-10	2035	Fri	Polish Intel.	QPSK-63	(AB)
POL	4505	27-10	2040	Fri	Polish Intel.	QPSK-63	(AB)
POL	10728	28-10	1225	Sat	Polish Intel.	BPSK-63	(AB)
POL	10728	28-10	1230	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	28-10	1435	Sat	Polish Intel.	BPSK-63	(AB)
POL	5779	28-10	1440	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	28-10	1500	Sat	Polish Intel.	BPSK-63	(AB)
POL	13873	28-10	1505	Sat	Polish Intel.	BPSK-63	(AB)
POL	11107	29-10	1120	Sun	Polish Intel.	QPSK-63	(AB)
POL	11107	29-10	1125	Sun	Polish Intel.	QPSK-63	(AB)
POL	13873	29-10	1410	Sun	Polish Intel.	BPSK-63	(AB)
POL	13873	29-10	1415	Sun	Polish Intel.	BPSK-63	(AB)
POL	13575	29-10	1440	Sun	Polish Intel.	BPSK-63	(AB)
POL	13575	29-10	1445	Sun	Polish Intel.	BPSK-63	(AB)
POL	10302	29-10	1500	Sun	Polish Intel.	BPSK-63	(AB)
POL	10302	29-10	1505	Sun	Polish Intel.	BPSK-63	(AB)
POL	10641	30-10	0940	Mon	Polish Intel.	QPSK-125	(AB)
POL	10641	30-10	0945	Mon	Polish Intel.	QPSK-125	(AB)
POL	13873	30-10	1410	Mon	Polish Intel.	BPSK-63	(AB)
POL	13873	30-10	1415	Mon	Polish Intel.	BPSK-63	(AB)
Q26	8337.3	7-10	1035	Sat	i.p.	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	7553	7-10	1301	Sat	Messages //9153 kHz	4+4 QPSK 75/3000 LSB	(JPL-KOR)
Q26	9153	7-10	1301	Sat	Messages //7553 kHz	4+4 QPSK 75/3000 LSB	(JPL-KOR)
Q26	10177	12-10	1005	Thu	Traffic i.p.	4+4 QPSK 75/3000 LSB	(JPL-NZL)
Q26	4364	16-10	1138	Mon	Messages //8073 kHz	4+4 QPSK 75/3000 LSB	(JPL-CHN)
Q26	8073	16-10	1138	Mon	Messages //4364 kHz	4+4 QPSK 75/3000 LSB	(JPL-CHN)
Q26	8073	16-10	1202	Mon	XSV85: Q26 in LSB and M95 on USB at the same time	4+4 QPSK 75/3000 LSB	(JPL-CHN)
S06	20312	5-10	0830	Thu	842 976 43 66541 65057 38642 ... 75857 42125 14503 976 43 00000	USB	(AB-PHL)
S06	20312	5-10	0830	Thu	842 976 43 66541	USB	(HFD-CHN)
S06	16237	5-10	0930	Thu	842 976 43 66541 65057 38642 ... 75857 42125 14503 976 43 00000	USB	(AB-PHL/HFD-PHL)
S06	20312	6-10	0830	Fri	842 976 43 66541 65057 38642 ... 75857 42125 14503 976 43 00000	USB	(AB-KOR)
S06	16237	6-10	0930	Fri	842 976 43 66541 65057 38642 ... 75857 42125 14503 976 43 00000	USB	(AB-PHL)
S06	9237	6-10	2000	Fri	514 367 95 52612 74916 51921 ... 61069 56757 76634 367 95 00000	USB	(AB/HFD)
S06	6774	6-10	2100	Fri	514 367 95 52612 74916 51921 ... 61069 56757 76634 367 95 00000	USB	(AB/HFD)
S06	4538	7-10	2000	Sat	913 913 913 00000	USB	(AB/HFD)
S06	9237	7-10	2000	Sat	514 367 95 52612 74916 51921 ... 61069 56757	USB	(AB)

					76634 367 95 00000		
S06	3894	7-10	2100	Sat	913 913 913 00000	USB	(AB)
S06	3894	7-10	2100	Sat	913 913 913 00000	USB	(HFD)
S06	6774	7-10	2100	Sat	514 367 95 52612 74916 51921 ... 61069 56757 76634 367 95 00000	USB	(AB)
S06	15721	9-10	0400	Mon	480 716 55 74057 92801 43284 ... 07044 88278 56445 716 55 00000	USB	(AB-CHN)
S06	20312	13-10	0830	Fri	842 ...	USB	(AB-KOR)
S06	20312	20-10	0830	Fri	842 ...	USB	(AB-KOR)
S06	9237	20-10	2000	Fri	514 514 514 00000	USB	(AB)
S06	6774	20-10	2100	Fri	514 514 514 00000	USB	(AB)
S06	4538	21-10	2000	Sat	913 913 913 00000	USB	(AB)
S06	3894	21-10	2100	Sat	913 913 913 00000	USB	(AB)
S06s	22185	1-10	0630	Sun	524 871 6 89534 17229 15635 47891 23244 94184 871 6 00000	USB	(AB-G)
S06s	20050	1-10	0640	Sun	524 871 6 89534 17229 15635 47891 23244 94184 871 6 00000	USB	(AB-G)
S06s	9220	2-10	0830	Mon	371 956 8 38034 39477 33367 37555 33300 91480 34850 49855 956 8 00000	USB	(AB)
S06s	8270	2-10	0840	Mon	371 956 8 38034 39477 33367 37555 33300 91480 34850 49855 956 8 00000	USB	(AB)
S06s	14580	2-10	0900	Mon	872 536 9 48318 30605 43003 83659 86760 36014 41014 95384 33983 536 9 00000	USB	(AB/MPJ)
S06s	13165	2-10	0910	Mon	872 536 9 48318 30605 43003 83659 86760 36014 41014 95384 33983 536 9 00000	USB	(AB/MPJ)
S06s	9145	2-10	1200	Mon	831 549 6 92971 30490 46481 33987 37393 49607 549 6 00000	USB	(AB/MPJ)
S06s	11460	2-10	1210	Mon	831 549 6 92971 30490 46481 33987 37393 49607 549 6 00000	USB	(AB/MPJ)
S06s	15855	3-10	0600	Tue	438 965 7 37860 35827 33344 32283 31969 83392 33933 965 7 00000	USB	(AB-UKR)
S06s	16485	3-10	0610	Tue	438 965 7 37860 35827 33344 32283 31969 83392 33933 965 7 00000	USB	(AB-UKR)
S06s	5760	3-10	0700	Tue	374 851 6 35861 33532 89319 32494 37142 30003 851 6 00000	USB	(AB-HNG)
S06s	6930	3-10	0715	Tue	374 851 6 35861 33532 89319 32494 37142 30003 851 6 00000	USB	(AB-HNG)
S06s	7425	3-10	0730	Tue	427 510 6 01368 81379 65520 34869 47985 27700 510 6 00000	USB	(AB)
S06s	11560	3-10	0740	Tue	427 510 6 01368 81379 65520 34869 47985 27700 510 6 00000	USB	(AB)
S06s	11635	3-10	0800	Tue	352 967 8 80333 81227 44276 63014 31021 17303 89305 04322 967 8 00000	USB	(AB)
S06s	10420	3-10	0810	Tue	352 967 8 80333 81227 44276 63014 31021 17303 89305 04322 967 8 00000	USB	(AB)
S06s	6410	3-10	1000	Tue	893 256 7 10471 11141 84895 96075 81620 43611 43110 256 7 00000	USB	(AB/MPJ)
S06s	7340	3-10	1010	Tue	893 256 7 10471 11141 84895 96075 81620 43611 43110 256 7 00000	USB	(AB/MPJ)
S06s	6190	3-10	1100	Tue	754 916 8 76752 74622 88566 38689 80761 66188 20221 96854 916 8 00000	USB	(AB-UKR/MPJ)
S06s	7230	3-10	1110	Tue	754 916 8 76752 74622 88566 38689 80761 66188 20221 96854 916 8 00000	USB	(AB/MPJ)
S06s	6464	3-10	1500	Tue	537 841 6 34615 48756 91866 30215 30713 73965 841 6 00000	AM	(AB-HNG)
S06s	7242	3-10	1510	Tue	537 841 6 34615 48756 91866 30215 30713 73965 841 6 00000	AM	(AB-HNG/MPJ)
S06s	11530	4-10	0730	Wed	745 206 8 93427 03426 83426 73428 73922 42662 73415 94536 206 8 00000	USB	(AB)
S06s	12140	4-10	0740	Wed	745 206 8 93427 03426 83426 73428 73922	USB	(AB)

					42662 73415 94536 206 8 00000		
S06s	8630	4-10	0820	Wed	471 265 8 83425 02416 83426 73546 74934 03051 73425 73422 265 8 00000	USB	(AB)
S06s	9082	4-10	0830	Wed	464 215 7 73425 62438 73425 94536 93425 03412 62314 215 7 00000	USB	(AB)
S06s	9255	4-10	0830	Wed	471 265 8 83425 02416 83426 73546 74934 03051 73425 73422 265 8 00000	USB	(AB)
S06s	9952	4-10	0840	Wed	464 215 7 73425 62438 73425 94536 93425 03412 62314 215 7 00000	USB	(AB)
S06s	13365	4-10	1000	Wed	729 408 5 63425 21321 94553 84526 74528 408 5 00000	USB	(AB/MPJ)
S06s	14505	4-10	1010	Wed	729 408 5 63425 21321 94553 84526 74528 408 5 00000	USB	(AB/MPJ)
S06s	9081	5-10	0930	Thu	314 908 5 35415 43943 43581 04711 97824 908 5 00000	USB	(AB-UKR)
S06s	10514	5-10	0940	Thu	314 908 5 35415 43943 43581 04711 97824 908 5 00000	USB	(AB-UKR)
S06s	12415	5-10	1200	Thu	425 910 6 34614 48756 91866 20315 30713 73965 910 6 00000	USB	(AB)
S06s	14212	5-10	1210	Thu	425 910 6 34614 48756 91866 20315 30713 73965 910 6 00000	USB	(AB)
S06s	5744	6-10	0900	Fri	624 873 5 88620 58067 61732 74537 57440 873 5 00000	USB	(AB-UKR)
S06s	6524	6-10	0910	Fri	624 873 5 88620 58067 61732 74537 57440 873 5 00000	USB	(AB-UKR/MPJ)
S06s	12140	6-10	0930	Fri	516 289 7 46062 68672 97478 30485 96632 52537 53317 289 7 00000	AM	(AB/MPJ)
S06s	13515	6-10	0940	Fri	516 289 7 46062 68672 97478 30485 96632 52537 53317 289 7 00000	AM	(AB/MPJ)
S06s	22185	8-10	0630	Sun	524 871 6 89534 17229 15635 47891 23244 94184 871 6 00000	USB	(AB-UKR)
S06s	20050	8-10	0640	Sun	524 871 6 89534 17229 15635 47891 23244 94184 871 6 00000	USB	(AB-S)
S06s	9220	9-10	0830	Mon	371 956 8 38034 39477 33367 37555 33300 91480 34850 49855 956 8 00000	USB	(AB)
S06s	8270	9-10	0840	Mon	371 956 8 38034 39477 33367 37555 33300 91480 34850 49855 956 8 00000	USB	(AB)
S06s	14580	9-10	0900	Mon	872 536 9 48318 30605 43003 83659 86760 36014 41014 95384 33983 536 9 00000	USB	(AB/MPJ)
S06s	13165	9-10	0910	Mon	872 536 9 48318 30605 43003 83659 86760 36014 41014 95384 33983 536 9 00000	USB	(AB/MPJ)
S06s	9145	9-10	1200	Mon	831 549 6 92971 30490 46481 33987 37393 49607 549 6 00000	USB	(AB/MPJ)
S06s	11460	9-10	1210	Mon	831 549 6 92971 30490 46481 33987 37393 49607 549 6 00000	USB	(AB/MPJ)
S06s	5760	10-10	0700	Tue	374 851 6 35861 33532 89319 32494 37142 30003 851 6 00000	USB	(AnEur)
S06s	6930	10-10	0715	Tue	374 851 6 35861 33532 89319 32494 37142 30003 851 6 00000	USB	(AnEur)
S06s	7425	10-10	0730	Tue	427 510 6 01368 81379 65520 34869 47985 27700 510 6 00000	USB	(AnEur)
S06s	11560	10-10	0740	Tue	427 510 6 01368 81379 65520 34869 47985 27700 510 6 00000	USB	(AnEur)
S06s	11635	10-10	0800	Tue	352 967 8 80333 81227 44276 63014 31021 17303 89305 04322 967 8 00000	USB	(AnEur)
S06s	10420	10-10	0810	Tue	352 967 8 80333 81227 44276 63014 31021 17303 89305 04322 967 8 00000	USB	(AnEur)
S06s	6410	10-10	1000	Tue	893 256 7 10471 11141 84895 96075 81620 43611 43110 256 7 00000	USB	(MPJ/CS)
S06s	7340	10-10	1010	Tue	893 256 7 10471 11141 84895 96075 81620	USB	(MPJ)

					43611 43110 256 7 00000		
S06s	6190	10-10	1100	Tue	754 916 8 76752 74622 88566 38689 80761 66188 20221 96854 916 8 00000	USB	(AB-POL/MPJ)
S06s	7230	10-10	1110	Tue	754 916 8 76752 74622 88566 38689 80761 66188 20221 96854 916 8 00000	USB	(AB-POL/MPJ)
S06s	6464	10-10	1500	Tue	537 841 6 34615 48756 91866 30215 30713 73965 841 6 00000	AM	(AnEur)
S06s	7242	10-10	1510	Tue	537 841 6 34615 48756 91866 30215 30713 73965 841 6 00000	AM	(AnEur)
S06s	11530	11-10	0730	Wed	745 206 8 93427 03426 83426 73428 73922 42662 73415 94536 206 8 00000	USB	(AB)
S06s	12140	11-10	0740	Wed	745 206 8 93427 03426 83426 73428 73922 42662 73415 94536 206 8 00000	USB	(AB)
S06s	8630	11-10	0820	Wed	471 265 8 83425 02416 83426 73546 74934 03051 73425 73422 265 8 00000	USB	(AB)
S06s	9082	11-10	0830	Wed	464 215 7 73425 62438 73425 94536 93425 03412 62314 215 7 00000	USB	(AB)
S06s	9255	11-10	0830	Wed	471 265 8 83425 02416 83426 73546 74934 03051 73425 73422 265 8 00000	USB	(AB)
S06s	9952	11-10	0840	Wed	464 215 7 73425 62438 73425 94536 93425 03412 62314 215 7 00000	USB	(AB)
S06s	13365	11-10	1000	Wed	729 408 5 63425 21321 94553 84526 74528 408 5 00000	USB	(AB/MPJ)
S06s	14505	11-10	1010	Wed	729 408 5 63425 21321 94553 84526 74528 408 5 00000	USB	(AB/MPJ)
S06s	9081	12-10	0930	Thu	314 908 5 35415 43943 43581 04711 97824 908 5 00000	USB	(AB)
S06s	10514	12-10	0940	Thu	314 908 5 35415 43943 43581 04711 97824 908 5 00000	USB	(AB)
S06s	12415	12-10	1200	Thu	425 910 6 34614 48756 91866 20315 30713 73965 910 6 00000	USB	(AB)
S06s	14212	12-10	1210	Thu	425 910 6 34614 48756 91866 20315 30713 73965 910 6 00000	USB	(AB)
S06s	5744	13-10	0900	Fri	624 873 5 88620 58067 61732 74537 57440 873 5 00000	USB	(AB-UKR/MPJ)
S06s	6524	13-10	0910	Fri	624 873 5 88620 58067 61732 74537 57440 873 5 00000	USB	(AB-UKR/MPJ/ES)
S06s	12140	13-10	0930	Fri	516 289 7 46062 68672 97478 30485 96632 52537 53317 289 7 00000	AM	(AB/MPJ)
S06s	13515	13-10	0940	Fri	516 289 7 46062 68672 97478 30485 96632 52537 53317 289 7 00000	AM	(AB/MPJ)
S06s	22185	15-10	0630	Sun	524 973 6 02688 96085 23716 73547 04475 79501 973 6 00000	USB	(AB-UKR)
S06s	20050	15-10	0640	Sun	524 973 6 02688 96085 23716 73547 04475 79501 973 6 00000	USB	(AB-UKR)
S06s	9220	16-10	0830	Mon	371 456 8 83426 51222 63425 63342 84536 95065 00745 74536 456 8 00000	USB	(AB)
S06s	8270	16-10	0840	Mon	371 456 8 83426 51222 63425 63342 84536 95065 00745 74536 456 8 00000	USB	(AB)
S06s	14580	16-10	0900	Mon	872 513 6 93428 02315 93526 74528 94536 03352 513 6 00000	USB	(AB/MPJ)
S06s	13165	16-10	0910	Mon	872 513 6 93428 02315 93526 74528 94536 03352 513 6 00000	USB	(AB/MPJ)
S06s	9145	16-10	1200	Mon	831 265 7 63425 84536 73342 95564 53627 00956 73443 265 7 00000	USB	(AB)
S06s	11460	16-10	1210	Mon	831 265 7 63425 84536 73342 95564 53627 00956 73443 265 7 00000	USB	(AB/MPJ)
S06s	5760	17-10	0700	Tue	374 916 5 82045 36717 24042 75956 31670 916 5 00000	USB	(AB)
S06s	6930	17-10	0715	Tue	374 916 5 82045 36717 24042 75956 31670 916	USB	(AB/CS)

					5 00000							
S06s	7425	17-10	0730	Tue	427 930 5 88620 58069 61732 74537 57440 930 5 00000	USB	(AB/HFD)					
S06s	11560	17-10	0740	Tue	427 930 5 88620 58069 61732 74537 57440 930 5 00000	USB	(AB/HFD)					
S06s	6410	17-10	1000	Tue	893 427 6 21767 53673 11834 81022 36903 41412 427 6 00000	USB	(AB)					
S06s	7340	17-10	1010	Tue	893 427 6 21767 53673 11834 81022 36903 41412 427 6 00000	USB	(AB)					
S06s	6190	17-10	1100	Tue	754 910 6 16070 34140 78386 91497 82963 34694 910 6 00000	USB	(AB-UKR)					
S06s	7230	17-10	1110	Tue	754 910 6 16070 34140 78386 91497 82963 34694 910 6 00000	USB	(AB-UKR)					
S06s	6464	17-10	1500	Tue	537 801 6 96111 10544 74526 46647 79302 39534 801 6 00000	AM	(AB/W9SPY)					
S06s	7242	17-10	1510	Tue	537 801 6 96111 10544 74526 46647 79302 39534 801 6 00000	AM	(AB)					
S06s	11530	18-10	0730	Wed	745 801 6 88569 89617 25757 77159 95225 01653 801 6 00000	USB	(AB)					
S06s	12140	18-10	0740	Wed	745 801 6 88569 89617 25757 77159 95225 01653 801 6 00000	USB	(AB)					
S06s	8630	18-10	0820	Wed	471 895 6 88620 58069 61732 74537 57440 10597 895 6 00000	USB	(AB)					
S06s	9082	18-10	0830	Wed	464 275 8 40614 77249 40678 17976 21816 42997 94184 27374 275 8 00000	USB	(AB)					
S06s	9255	18-10	0830	Wed	471 895 6 88620 58069 61732 74537 57440 10597 895 6 00000	USB	(AB)					
S06s	9952	18-10	0840	Wed	464 275 8 40614 77249 40678 17976 21816 42997 94184 27374 275 8 00000	USB	(AB)					
S06s	13365	18-10	1000	Wed	729 413 8 47665 94092 48521 63888 92060 11749 70552 56936 413 8 00000	USB	(AB)					
S06s	14505	18-10	1010	Wed	729 413 8 47665 94092 48521 63888 92060 11749 70552 56936 413 8 00000	USB	(AB)					
S06s	9081	19-10	0930	Thu	314 569 7 69856 83541 98423 79033 15452 10002 08973 569 7 00000	USB	(AB)					
S06s	10514	19-10	0940	Thu	314 569 7 69856 83541 98423 79033 15452 10002 08973 569 7 00000	USB	(AB)					
S06s	12415	19-10	1200	Thu	425 918 6 41716 50801 40123 47154 25660 69885 918 6 00000	USB	(AB)					
S06s	14212	19-10	1210	Thu	425 918 6 41716 50801 40123 47154 25660 69885 918 6 00000	USB	(AB)					
S06s	5744	20-10	0900	Fri	624 809 5 01405 15003 24357 60583 54545 809 5 00000	USB	(AnEur)					
S06s	6524	20-10	0910	Fri	624 809 5 01405 15003 24357 60583 54545 809 5 00000	USB	(AB-UKR/MPJ)					
S06s	12140	20-10	0930	Fri	516 894 7 88146 56785 98835 46186 16945 80744 86200 894 7 00000	AM	(AB)					
S06s	13515	20-10	0940	Fri	516 894 7 88146 56785 98835 46186 16945 80744 86200 894 7 00000	AM	(AB)					
S06s	22185	22-10	0630	Sun	524 973 6 02688 96085 23716 73547 04475 79501 973 6 00000	USB	(AB-UKR/HFD-BEL)					
S06s	20050	22-10	0640	Sun	524 973 6 02688 96085 23716 73547 04475 79501 973 6 00000	USB	(AB-UKR/HFD)					
S06s	9220	23-10	0830	Mon	371 456 8 83426 51222 63425 63342 84536 95065 00745 74536 456 8 00000	USB	(AB)					
S06s	8270	23-10	0840	Mon	371 456 8 83426 51222 63425 63342 84536 95065 00745 74536 456 8 00000	USB	(AB)					
S06s	14580	23-10	0900	Mon	872 513 6 93428 02315 93526 74528 94536 03352 513 6 00000	USB	(AB/MPJ)					
S06s	13165	23-10	0910	Mon	872 513 6 93428 02315 93526 74528 94536	USB	(AB/MPJ)					

					03352 513 6 00000			
S06s	9145	23-10	1200	Mon	831 265 7 63425 84536 73342 95564 53627 00956 73443 265 7 00000	USB	(AB/MPJ)	
S06s	11460	23-10	1210	Mon	831 265 7 63425 84536 73342 95564 53627 00956 73443 265 7 00000	USB	(AB/MPJ)	
S06s	15855	24-10	0600	Tue	438 219 5 43824 88354 23455 73425 05647 219 5 00000	USB	(AB-GRC)	
S06s	16485	24-10	0610	Tue	438 219 5 43824 88354 23455 73425 05647 219 5 00000	USB	(AB-GRC)	
S06s	5760	24-10	0700	Tue	374 916 5 82045 36717 24042 75956 31670 916 5 00000	USB	(AB)	
S06s	6930	24-10	0715	Tue	374 916 5 82045 36717 24042 75956 31670 916 5 00000	USB	(AB)	
S06s	7425	24-10	0730	Tue	427 930 5 88620 58069 61732 74537 57440 930 5 00000	USB	(AB)	
S06s	11560	24-10	0740	Tue	427 930 5 88620 58069 61732 74537 57440 930 5 00000	USB	(AB)	
S06s	11635	24-10	0800	Tue	352 419 6 97067 58604 41438 24042 75956 31670 419 6 00000	USB	(AB)	
S06s	10420	24-10	0810	Tue	352 419 6 97067 58604 41438 24042 75956 31670 419 6 00000	USB	(AB)	
S06s	6410	24-10	1000	Tue	893 427 6 21767 53673 11834 81022 36903 41412 427 6 00000	USB	(AB/MPJ)	
S06s	7340	24-10	1010	Tue	893 427 6 21767 53673 11834 81022 36903 41412 427 6 00000	USB	(AB/MPJ)	
S06s	6190	24-10	1100	Tue	754 910 6 16070 34140 78386 91497 82963 34694 910 6 00000	USB	(AB-UKR/MPJ)	
S06s	7230	24-10	1110	Tue	754 910 6 16070 34140 78386 91497 82963 34694 910 6 00000	USB	(AB-UKR/MPJ- RUS)	
S06s	6464	24-10	1500	Tue	537 801 6 96111 10544 74526 46647 79302 39534 801 6 00000	AM	(AB/MPJ)	
S06s	7242	24-10	1510	Tue	537 801 6 96111 10544 74526 46647 79302 39534 801 6 00000	AM	(AB/MPJ)	
S06s	11530	25-10	0730	Wed	745 801 6 88569 89617 25757 77159 95225 01653 801 6 00000	USB	(AB)	
S06s	12140	25-10	0740	Wed	745 801 6 88569 89617 25757 77159 95225 01653 801 6 00000	USB	(AB)	
S06s	8630	25-10	0820	Wed	471 895 6 88620 58069 61732 74537 57440 10597 895 6 00000	USB	(AB)	
S06s	9082	25-10	0830	Wed	464 275 8 40614 77249 40678 17976 21816 42997 94184 47374 275 8 00000	USB	(AB/ES)	
S06s	9255	25-10	0830	Wed	471 895 6 88620 58069 61732 74537 57440 10597 895 6 00000	USB	(AB/ES)	
S06s	9952	25-10	0840	Wed	464 275 8 40614 77249 40678 17976 21816 42997 94184 47374 275 8 00000	USB	(AB)	
S06s	13365	25-10	1000	Wed	729 413 8 47665 94092 48521 63888 92060 11749 70552 56936 413 8 00000	USB	(AB/MPJ)	
S06s	14505	25-10	1010	Wed	729 413 8 47665 94092 48521 63888 92060 11749 70552 56936 413 8 00000	USB	(AB/MPJ)	
S06s	9081	26-10	0930	Thu	314 569 7 69856 83541 98423 79033 15452 10002 08973 569 7 00000	USB	(AB)	
S06s	10514	26-10	0940	Thu	314 569 7 69856 83541 98423 79033 15452 10002 08973 569 7 00000	USB	(AB)	
S06s	12415	26-10	1200	Thu	425 918 6 41716 50801 40123 47154 25660 69885 918 6 00000	USB	(AB/MPJ)	
S06s	14212	26-10	1210	Thu	425 918 6 41716 50801 40123 47154 25660 69885 918 6 00000	USB	(AB/MPJ)	
S06s	5744	27-10	0900	Fri	624 809 5 01405 15003 24357 60583 54545 809 5 00000	USB	(AB)	
S06s	6524	27-10	0910	Fri	624 809 5 01405 15003 24357 60583 54545 809	USB	(AB/MPJ)	

5 00000							
S06s	12140	27-10	0930	Fri	516 894 7 88146 56785 98835 46186 16945 80744 86200 894 7 00000	USB	(AB/MPJ)
S06s	13515	27-10	0940	Fri	516 894 7 88146 56785 98835 46186 16945 80744 86200 894 7 00000	USB	(AB/MPJ)
S06s	9220	30-10	0830	Mon	371 371 371 00000	USB	(AB)
S06s	8270	30-10	0840	Mon	371 371 371 00000	USB	(AB)
S06s	14580	30-10	0900	Mon	872 872 872 00000	USB	(AB/MPJ)
S06s	13165	30-10	0910	Mon	872 872 872 00000	USB	(AB/MPJ)
S06s	9145	30-10	1200	Mon	831 831 831 00000	USB	(AB/MPJ)
S06s	11460	30-10	1209	Mon	831 831 831 00000 early start	USB	(AB/MPJ)
S06s	5760	31-10	0700	Tue	374 374 374 00000	USB	(AB)
S06s	6930	31-10	0715	Tue	374 374 374 00000	USB	(AB)
S06s	7425	31-10	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11560	31-10	0740	Tue	427 427 427 00000	USB	(AB)
S06s	11635	31-10	0800	Tue	352 352 352 00000	USB	(AB)
S06s	10420	31-10	0810	Tue	352 352 352 00000	USB	(AB)
S06s	6410	31-10	1000	Tue	893 893 893 00000	USB	(AB/MPJ)
S06s	7340	31-10	1010	Tue	893 893 893 00000	USB	(AB/MPJ)
S06s	6190	31-10	1100	Tue	754 754 754 00000	USB	(AB/MPJ)
S06s	7230	31-10	1110	Tue	754 754 754 00000	USB	(AB/MPJ)
S06s	6464	31-10	1500	Tue	537 537 537 00000	AM	(AB)
S06s	7242	31-10	1510	Tue	537 537 537 00000	AM	(AB/MPJ)
S11a	11493	2-10	1015	Mon	470/00	USB	(AB)
S11a	5358	3-10	0455	Tue	325/00	USB	(AB)
S11a	7317	3-10	0915	Tue	484/36 Vnimanaye 94302 93738 30084 ... 23696 20112 70933 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	9960	3-10	1020	Tue	425/39 Vnimanaye 17114 46243 78367 ... 50611 59735 88418 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	10800	4-10	1540	Wed	565/00	USB	(AB/MPJ)
S11a	10213	4-10	1850	Wed	287/40 Vnimanaye 52329 30832 74233 ... 41406 16919 70512 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	4016	4-10	1955	Wed	378/00	USB	(AB)
S11a	11493	5-10	1015	Thu	471/00	USB	(AB)
S11a	5358	6-10	0455	Fri	329/00	USB	(AB)
S11a	7317	6-10	0915	Fri	484/36 Vnimanaye 94302 93738 30084 ... 23696 20112 70933 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	9960	6-10	1020	Fri	425/39 Vnimanaye 17114 46243 78367 ... 50611 59735 88418 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	4016	6-10	1955	Fri	372/00	USB	(AB/MPJ)
S11a	10800	7-10	1640	Sat	564/00	USB	(AB/BvR/MPJ)
S11a	10213	7-10	1850	Sat	287/40 Vnimanaye 52329 30832 74233 ... 41406 16919 70512 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	11493	9-10	1015	Mon	477/00	USB	(AB/MPJ)
S11a	5358	10-10	0455	Tue	329/00	USB	(AB)
S11a	7317	10-10	0915	Tue	483/00	USB	(MPJ)
S11a	9960	10-10	1020	Tue	426/00	USB	(MPJ)
S11a	10800	11-10	1540	Wed	569/00	USB	(AB/MPJ)
S11a	10213	11-10	1850	Wed	283/00	USB	(MPJ)
S11a	4016	11-10	1955	Wed	373/39 Vnimanaye 61474 33374 96938 ... 38776 57829 24458 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11493	12-10	1015	Thu	471/00	USB	(AB)
S11a	5358	13-10	0455	Fri	327/00	USB	(AB-HNG)
S11a	7317	13-10	0915	Fri	486/00	USB	(AB)
S11a	9960	13-10	1020	Fri	424/00	USB	(AB)
S11a	4016	13-10	1955	Fri	373/39 Vnimanaye 61474 33374 96938 ... 38776 57829 24458 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	10800	14-10	1640	Sat	566/00	USB	(AB/MPJ)
S11a	10213	14-10	1850	Sat	280/00	USB	(AB/ES)
S11a	11493	16-10	1015	Mon	471/00	USB	(AB/MPJ)

S11a	7317	17-10	0915	Tue	483/00	USB	(AB)
S11a	9960	17-10	1020	Tue	429/00	USB	(AB)
S11a	10800	18-10	1540	Wed	561/32 Vnimanaye 10144 10621 72950 ... 15739 55751 62434 Vnimanaye, konets	USB	(AB/ES)
S11a	10213	18-10	1850	Wed	284/00	USB	(AB)
S11a	4016	18-10	1955	Wed	378/00	USB	(AB)
S11a	7317	20-10	0915	Fri	484/00	USB	(AB)
S11a	9960	20-10	1020	Fri	426/00	USB	(AB)
S11a	4016	20-10	1955	Fri	378/00	USB	(AB)
S11a	10800	21-10	1540	Sat	561/32 Vnimanaye 10144 10621 72950 ... 15739 55751 62434 Vnimanaye, konets	USB	(AB)
S11a	10213	21-10	1850	Sat	286/00	USB	(AB)
S11a	11493	23-10	1015	Mon	475/33 Vnimanaye 67433 74015 86546 ... 23365 63976 57346 Vnimanaye, rpt msg, konets	USB	(AB/MPJ)
S11a	5358	24-10	0455	Tue	329/00	USB	(AB)
S11a	7317	24-10	0915	Tue	482/00	USB	(AB/MPJ)
S11a	9960	24-10	1020	Tue	425/00	USB	(AB/MPJ)
S11a	10800	25-10	1540	Wed	561/00	USB	(AB/GHn/MPJ)
S11a	10213	25-10	1850	Wed	287/00	USB	(MPJ)
S11a	4016	25-10	1955	Wed	379/00	USB	(AB)
S11a	5358	27-10	0455	Fri	329/00	USB	(AB)
S11a	7317	27-10	0915	Fri	483/00	USB	(AB/MPJ)
S11a	9960	27-10	1020	Fri	426/00	USB	(AB/MPJ)
S11a	4016	27-10	1955	Fri	377/00	USB	(AB)
S11a	10800	28-10	1540	Sat	566/00	USB	(AB/GHn/MPJ)
S11a	10213	28-10	1850	Sat	287/00	USB	(AB)
S11a	11493	30-10	1015	Mon	478/00	USB	(AB/MPJ/ES/RP-MD)
S11a	7317	31-10	0915	Tue	481/00	USB	(AB)
S11a	9960	31-10	1020	Tue	424/00	USB	(AB)
S28	4625	25-10	0535	Wed	Buzzer channel marker	USB	(chpa)
S28	4625	27-10	0605	Fri	Buzzer channel marker	USB	(chpa)
S28	4625	30-10	0732	Mon	Buzzer channel marker	USB	(chpa)
S28	4625	30-10	1733	Mon	Buzzer channel marker	USB	(AB)
S30	3657	30-10	1733	Mon	Pip channel marker	USB	(AB)
S32	5473	27-10	0602	Fri	Squeaky Wheel channel marker	USB	(chpa)
S32	3828	30-10	1734	Mon	Squeaky Wheel channel marker	USB	(AB)
S4020	4020	30-10	1737	Mon	Air Horn channel marker	USB	(AB)
S4524	4524	30-10	1400	Mon	Channel marker	USB	(ES)
S4524	4524	30-10	1732	Mon	Dash channel marker	USB	(AB)
S5292	3240	30-10	1735	Mon	Channel marker sending B instead of D	USB	(AB)
S6360	6360	22-10	1507	Sun	Russian military channel marker a.k.a. Goose	USB	(AB)
S6360	6360	25-10	0538	Wed	Goose channel marker	USB	(chpa)
S6360	6360	27-10	0558	Fri	Goose channel marker	USB	(chpa)
S6360	6360	30-10	0731	Mon	Goose channel marker	USB	(chpa)
S6930	3012	30-10	1736	Mon	Goose channel marker	USB	(AB)
UM03	8320	1-10	0947	Sun	i.p. BBMWG GEVVB NMNMS IXESE ... ?? HFI . HR FI NR 66633 NR 66633 AL =	CW	(JPL-CHN)
UM03	9255	2-10	0814	Mon	i.p. REDHU MLHKY LHBUE NSRTC DJCDF ... AR W	CW	(JPL-CHN)
UM03	8250	2-10	0849	Mon	i.p. 6473U 4TDUN AR 07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 0210 DATE 0210 = //8410 kHz	CW	(JPL-CHN)
UM03	8410	2-10	0849	Mon	i.p. 6473U 4TDUN AR 07 07 CK 100 CK 100 TIME 1548 TIME 1548 DATE 0210 DATE 0210 = //8250 kHz	CW	(JPL-CHN)
UM03	4142	2-10	1302	Mon	VVV KPE (x3)DE YEB (x2) QSA ? K. R B R DE OK HR 7G GA NR NR 07 NR 07 CK 58 1A =	CW	(JPL-CHN)
UM03	8250	5-10	0919	Thu	57 57 CK 100 CK 100 TIME 1618 TIME 1618 DATE 0510 DATE 0510 = 7D4AT D5N6A 5U63D UD3AT D4N5U (Cont'd) AR	CW	(JPL-CHN)

UM03	9225	9-10	0711	Mon	i.p. FGWOQ MQMNP ZFSJO ERMBS JIKIV ... AR ZZW	CW	(JPL-CHN)
UM03	8250	9-10	0724	Mon	09 09 CK 100 CK 100 TIME 1423 TIME 1423 DATE 0910 DATE 0910 = TWLNC LODFU DGJYA YBQSK ... //8410 kHz	CW	(JPL-CHN)
UM03	8410	9-10	0724	Mon	09 09 CK 100 CK 100 TIME 1423 TIME 1423 DATE 0910 DATE 0910 = TWLNC LODFU DGJYA YBQSK ... //8250 kHz	CW	(JPL-CHN)
UM03	3362	11-10	1626	Wed	10-minutes net: 6G5Y	CW	(JPL-KOR)
UM03	3245	11-10	1929	Wed	10-minutes net: WORZ	CW	(JPL-KOR)
UM03	7920	12-10	0919	Thu	i.p. 77 77 CK 100 CK 100 TIME 1619 TIME 1619 DATE 1210 DATE 1210 = T6UN5 3DN6U 546UN T6A73 ... //8240, 8410 kHz	CW	(JPL-CHN)
UM03	8240	12-10	0919	Thu	i.p. 77 77 CK 100 CK 100 TIME 1619 TIME 1619 DATE 1210 DATE 1210 = T6UN5 3DN6U 546UN T6A73 ... //7920, 8410 kHz	CW	(JPL-CHN)
UM03	8410	12-10	0919	Thu	i.p. 77 77 CK 100 CK 100 TIME 1619 TIME 1619 DATE 1210 DATE 1210 = T6UN5 3DN6U 546UN T6A73 ... //7920, 8240 kHz	CW	(JPL-CHN)
UM03	8616	16-10	0814	Mon	i.p. QSL NR 00222 CK 50 = TNTGO IVAVC LMQOR ZMTVW QAUNG SCDGX ...	CW	(JPL-CHN)
UM03	7920	20-10	0905	Fri	11 11 CK 100 CK 100 TIME 1604 TIME 1604 DATE 2010 DATE 2010 = U7D45 D43AN 73NT6 ... //8250, 8410 kHz	CW	(JPL-CHN)
UM03	8250	20-10	0905	Fri	11 11 CK 100 CK 100 TIME 1604 TIME 1604 DATE 2010 DATE 2010 = U7D45 D43AN 73NT6 ... //7920, 8410 kHz	CW	(JPL-CHN)
UM03	8410	20-10	0905	Fri	11 11 CK 100 CK 100 TIME 1604 TIME 1604 DATE 2010 DATE 2010 = U7D45 D43AN 73NT6 ... //7920, 8250 kHz	CW	(JPL-CHN)
UM03	8250	25-10	0706	Wed	i.p. 03 03 CK 100 CK 100 TIME 1405 TIME 1405 DATE 2610 DATE 2610 = BQSKZ KZCFU DFUXM VXMPQ BQSKZ DFUJM ... //8410 UTC	CW	(JPL-CHN)
UM03	8410	26-10	0706	Thu	i.p. 03 03 CK 100 CK 100 TIME 1405 TIME 1405 DATE 2610 DATE 2610 = BQSKZ KZCFU DFUXM VXMPQ BQSKZ DFUJM ... //8250 kHz	CW	(JPL-CHN)
UM03	9225	26-10	0710	Thu	i.p. QSYUM CXHSC V.OVM ROBNT FVTML OHEBL ... AR W	CW	(JPL-CHN)
UM03	9392	26-10	0714	Thu	i.p. WRDFT OXIWG WLNXY QWSSD HAEWZ WFGEI UPLVG ... AR W	CW	(JPL-CHN)
UM10	3245	2-10	1830	Mon	10-mins net: WORZ	CW	(JPL-KOR)
UM10	7158	3-10	1200	Tue	10-mins net variant: N23E AR	CW	(JPL-KOR)
UM10	5782	15-10	0730	Sun	10-minutes net: PROD //9125 kHz	CW	(JPL-KOR)
UM10	9125	15-10	0730	Sun	10-minutes net: PROD //5782 kHz	CW	(JPL-KOR)
V07	15874	8-10	0120	Sun	183 183 183 000	USB	(Dan)
V07	18174	15-10	0100	Sun	183 183 183 1 301 63 85417 62167 33493 ... 48839 33853 000 000	USB	(Dan/HFD)
V07	15874	15-10	0120	Sun	183 183 183 1 301 63 85417 62167 33493 ... 48839 33853 000 000	USB	(Dan/HFD)
V07	14374	15-10	0140	Sun	183 183 183 1 301 63 85417 62167 33493 ... 48839 33853 000 000	USB	(Dan/HFD)
V07	18174	22-10	0100	Sun	183 183 183 000	USB	(Dan)
V07	15874	22-10	0120	Sun	183 183 183 000	USB	(Dan)
V07	18174	29-10	0100	Sun	183 183 183 000	USB	(Dan)
V07	15874	29-10	0120	Sun	183 183 183 000	USB	(Dan)
V13	15388	2-10	0500	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	15388	2-10	0600	Mon	New Star Broadcasting	AM	(AB-PHL)
V13	11430	3-10	0600	Tue	New Star Broadcasting	USB	(AB-CHN)
V13	15388	3-10	0700	Tue	New Star Broadcasting	USB	(AB-PHL)
V13	15388	3-10	0800	Tue	New Star Broadcasting	USB	(AB-PHL)

V13	15388	6-10	0500	Fri	New Star Broadcasting	AM	(AB-KOR)
V13	11430	6-10	0600	Fri	New Star Broadcasting	AM	(AB-PHL)
V13	15388	6-10	0700	Fri	New Star Broadcasting	AM	(AB-KOR)
V13	15388	6-10	0800	Fri	New Star Broadcasting	AM	(AB-PHL)
V13	15388	7-10	0500	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	11430	7-10	0600	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	15388	7-10	0700	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	15388	7-10	0800	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	15388	9-10	0500	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	11430	9-10	0600	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	15388	9-10	0700	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	15388	9-10	0800	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	11430	12-10	0600	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	15388	12-10	0700	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	15388	13-10	0400	Fri	New Star Broadcasting. Two transmissions at the same time both on 15388 kHz but not in parallel. Ended at 0424z and 0428z	AM	(AB-CHN)
V13	11430	15-10	0600	Sun	New Star Broadcasting	AM	(AB-CHN)
V13	11430	15-10	0700	Sun	New Star Broadcasting	AM	(AB-CHN)
V13	11430	15-10	0800	Sun	New Star Broadcasting	AM	(AB-CHN)
V13	15388	16-10	0600	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	11430	16-10	0700	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	11430	16-10	0800	Mon	New Star Broadcasting	AM	(AB-CHN)
V13	15388	19-10	0500	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	15388	19-10	0700	Thu	New Star Broadcasting	AM	(AB-CHN)
V13	9725	21-10	1200	Sat	New Star Broadcasting	AM	(AB-CHN)
V13	9725	21-10	1300	Sat	New Star Broadcasting	AM	(AB-KOR)
V13	11430	25-10	0600	Wed	New Star Broadcasting	AM	(AB-KOR)
V13	11430	27-10	0600	Fri	New Star Broadcasting	AM	(AB)
V13	11430	28-10	0600	Sat	New Star Broadcasting	USB	(AB-CHN)
V13	11430	30-10	0600	Mon	New Star Broadcasting	AM	(AB-CHN)
V15	6400	7-10	1515	Sat	Music followed by message in Korean by a female operator	AM	(CM2-KOR)
V15	3250	26-10	1615	Thu	North Korean intel via Radio Pyongyang. Music followed by a message in Korean //3320//6400 kHz	AM	(AB-KOR)
V15	3320	26-10	1615	Thu	North Korean intel via Radio Pyongyang. Music followed by a message in Korean //3250//6400 kHz	AM	(AB-KOR)
V15	6400	26-10	1615	Thu	North Korean intel via Radio Pyongyang. Music followed by a message in Korean //3250//3320 kHz	AM	(AB-KOR)
V24	5290	3-10	1430	Tue	Music followed by a message in Korean	AM	(AB-KOR)
V24	5290	5-10	1430	Thu	Popmusic followed by a message in Korean	AM	(AB-J)
V24	5290	7-10	1430	Sat	Popsong followed by a message in Korean	AM	(AB-KOR)
V24	6215	7-10	1500	Sat	Song followed by a message in Korean	AM	(AB-KOR)
V24	5115	13-10	1600	Fri	Music followed by a message in Korean	AM	(AB-KOR)
V24	5115	16-10	1616	Mon	Music followed by a message in Korean	AM	(kalv)
V24	5150	21-10	1403	Sat	i.p. message in Korean	AM	(AB-KOR)
V26	4243	3-10	1205	Tue	Messages in Chinese	USB	(JPL-CHN)
V26	9054	12-10	0948	Thu	Messages in Chinese	USB	(JPL-NZL)
V26	4243	16-10	1220	Mon	Messages in Chinese //9054 kHz	USB	(JPL-CHN)
V26	9054	16-10	1220	Mon	Messages in Chinese //4243 kHz	USB	(JPL-CHN)
V26	4243	23-10	1232	Mon	Message in Chinese //9054 kHz	USB	(JPL-KOR)
V26	9054	23-10	1232	Mon	Message in Chinese //4243 kHz	USB	(JPL-KOR)
V28	4632	4-10	2230	Wed	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	4983	4-10	2230	Wed	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	5164	4-10	2230	Wed	Parrot. Messages in Korean. Male operator	USB	(HK)
V28	4494	5-10	2230	Thu	Parrot. Messages in Korean. Male and female operators	USB	(HK)

V28	4622	5-10	2230	Thu	Parrot. Messages in Korean. Male operator	USB	(HK)
V28	5034	5-10	2230	Thu	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	5161	5-10	2230	Thu	Parrot. Messages in Korean. Femle operator	USB	(HK)
V28	4625	10-10	2227	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	10-10	2230	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4986	10-10	2231	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5010	10-10	2231	Tue	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2931	11-10	1332	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3002	11-10	1332	Wed	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3050	11-10	1332	Wed	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	11-10	1332	Wed	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4494	11-10	2230	Wed	Parrot. Messages in Korean. Female and male operators	AM	(HK)
V28	4632	11-10	2230	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4972.5	11-10	2231	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5166	11-10	2232	Wed	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2933	13-10	1329	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	3519	13-10	1329	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	3001	13-10	1334	Fri	Parrot. Messages in Korean. Male operator	USB	(HK)
V28	3050	13-10	1334	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	4494	13-10	2233	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	4628	13-10	2233	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	4982	13-10	2233	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	5172	13-10	2233	Fri	Parrot. Messages in Korean. Female operator	USB	(HK)
V28	2929	16-10	1322	Mon	Parrot. Carrier on and off	AM	(HK)
V28	3049	16-10	1330	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	16-10	1330	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3001	16-10	1331	Mon	Parrot. Messages in Korean	AM	(HK)
V28	3051	16-10	1342	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2927	16-10	1344	Mon	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	19-10	1320	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3049.5	19-10	1330	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2932	19-10	1332	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3000	19-10	1332	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4494	22-10	2237	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4632	22-10	2237	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4970	22-10	2237	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4494	23-10	2230	Mon	Parrot. Messages in Korean	AM	(HK)
V28	4631	23-10	2230	Mon	Parrot. Messages in Korean	AM	(HK)
V28	4982	23-10	2230	Mon	Parrot. Messages in Korean	AM	(HK)
V28	4494	25-10	2229	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4630	25-10	2230	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4971	25-10	2230	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5168	25-10	2233	Wed	Parrot. Messages in Korean. Female and male operators	AM	(HK)
V28	4494	26-10	2231	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4632	26-10	2231	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4982	26-10	2231	Thu	Parrot. Messages in Korean	AM	(HK)
V28	5159	26-10	2234	Thu	Parrot. Messages in Korean	AM	(HK)
V28	4494	29-10	2229	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4628	29-10	2229	Sun	Parrot. Messages in Korean. Male and female operators	AM	(HK)
V28	5167	29-10	2231	Sun	Parrot. Messages in Korean	AM	(HK)
V28	4975	29-10	2233	Sun	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3002	31-10	1328	Tue	Parrot. Mic test? Male operator	AM	(HK)
V28	3518	31-10	1328	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	2905	31-10	1330	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	3002	31-10	1330	Tue	Parrot. Message in Korean. Male operator	AM	(HK)
V28	3518	31-10	1330	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	3051	31-10	1331	Tue	Parrot. Message in Korean. Female operator	AM	(HK)

VC01	4225	1-10	1713	Sun	Chinese Robot (female voice) with websdr China 17:13:47UTC (2017-10-01) (philby on Star-chatNSA)	LSB	(Phi-CHN)
VC01	7691	2-10	0454	Mon	Chinese Robot	USB	(AB-CHN)
VC01	7624	2-10	0456	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	7691	3-10	0924	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	5375	3-10	1203	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	3-10	1204	Tue	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	4-10	0852	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7691	4-10	0852	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	4-10	0957	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7691	4-10	0957	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	4-10	1154	Wed	Chinese Robot i.p.	LSB	(AB-PHL)
VC01	5375	4-10	1154	Wed	Chinese Robot i.p.	USB	(AB-PHL)
VC01	8107	5-10	0621	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	5-10	0623	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	4225	5-10	1255	Thu	Chinese Robot i.p.	LSB	(AB-PHL)
VC01	8107	5-10	1255	Thu	Chinese Robot i.p.	USB	(AB-PHL)
VC01	3021	7-10	1210	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	7-10	1210	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	9-10	0458	Mon	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	10-10	2110	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	10-10	2110	Tue	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	12-10	0605	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	12-10	0605	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	12-10	0702	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	12-10	0702	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	12-10	1655	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	12-10	1655	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	13-10	0413	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	15-10	0605	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	15-10	0605	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	15-10	0700	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	15-10	0700	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	15-10	0800	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	15-10	0800	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	15-10	1432	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	15-10	1432	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	3021	15-10	1623	Sun	Chinese Robot i.p.	USB	(AB-HK)
VC01	4225	15-10	1623	Sun	Chinese Robot i.p.	LSB	(AB-HK)
VC01	7624	16-10	0459	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	16-10	0459	Mon	Chinese Robot	USB	(AB-CHN)
VC01	7624	16-10	0600	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	16-10	0600	Mon	Chinese Robot	USB	(AB-CHN)
VC01	7624	16-10	0700	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	16-10	0700	Mon	Chinese Robot	USB	(AB-CHN)
VC01	7624	16-10	0800	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	16-10	0800	Mon	Chinese Robot	USB	(AB-CHN)
VC01	3021	16-10	1208	Mon	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	16-10	1208	Mon	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	3021	17-10	1301	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	17-10	1301	Tue	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	3021	17-10	1900	Tue	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	17-10	1900	Tue	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	18-10	0514	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	18-10	0514	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	18-10	0600	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	18-10	0600	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	18-10	1238	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	18-10	1238	Wed	Chinese Robot i.p.	LSB	(AB-CHN)

VC01	3021	18-10	1637	Wed	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	18-10	1637	Wed	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	19-10	0458	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	19-10	0458	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	19-10	0608	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	19-10	0608	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	19-10	0702	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	19-10	0702	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	19-10	1337	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	19-10	1337	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	3021	19-10	1657	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	19-10	1657	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	20-10	0558	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	20-10	0558	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	20-10	0707	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	20-10	0707	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	20-10	0800	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	20-10	0800	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	20-10	1423	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	20-10	1423	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	21-10	0509	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	21-10	0509	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	21-10	0704	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	21-10	0704	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	21-10	1205	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	21-10	1205	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	22-10	0802	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	22-10	0802	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	23-10	0454	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	23-10	0454	Mon	Chinese Robot	USB	(AB-CHN)
VC01	7624	25-10	0600	Wed	Chinese Robot i.p.	LSB	(AB-KOR)
VC01	8107	25-10	0600	Wed	Chinese Robot i.p.	USB	(AB-KOR)
VC01	7624	26-10	0514	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	26-10	0514	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	26-10	0701	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	26-10	0701	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	26-10	1420	Thu	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	26-10	1420	Thu	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	27-10	0513	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	27-10	0704	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	27-10	0704	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	27-10	1200	Fri	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	27-10	1200	Fri	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	7624	28-10	0559	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	28-10	0559	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	28-10	0701	Sat	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	28-10	0701	Sat	Chinese Robot i.p.	USB	(AB-CHN)
VC01	3021	28-10	1202	Sat	Chinese Robot i.p.	USB	(AB-HK)
VC01	4225	28-10	1202	Sat	Chinese Robot i.p.	LSB	(AB-HK)
VC01	7624	29-10	0503	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	29-10	0503	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	29-10	0716	Sun	Chinese Robot i.p.	LSB	(AB-CHN)
VC01	8107	29-10	0716	Sun	Chinese Robot i.p.	USB	(AB-CHN)
VC01	7624	30-10	0458	Mon	Chinese Robot	LSB	(AB-CHN)
VC01	8107	30-10	0458	Mon	Chinese Robot	USB	(AB-CHN)
VC01	3021	30-10	1212	Mon	Chinese Robot i.p.	USB	(AB-CHN)
VC01	4225	30-10	1212	Mon	Chinese Robot i.p.	LSB	(AB-CHN)
X06	12152	2-10	0725	Mon	Mazielka. Sequence: 432516	MFSK-6	(Danix)
X06	11438	2-10	1535	Mon	Mazielka. Sequence: 32614	MFSK-6	(Danix)
X06	12150	4-10	0642	Wed	Mazielka. Sequence: 256341 ends 0645 UTC	MFSK-6	(AB)

X06	14501	4-10	0823	Wed	Mazielka. Sequence: 214356	MFSK-6	(Danix)
X06	14631	4-10	0829	Wed	Mazielka. Sequence: 362154	MFSK-6	(Danix)
X06	11067	8-10	1735	Sun	Mazielka. Sequence: 145623	MFSK-6	(Danix)
X06	13506	12-10	0807	Thu	Mazielka. Sequence: 153624	MFSK-6	(Danix)
X06	13506	12-10	0954	Thu	Mazielka. Sequence: 164532	MFSK-6	(Danix)
X06	12152	16-10	0737	Mon	Mazielka. Sequence: 432516	MFSK-6	(Danix)
X06	11438	16-10	1543	Mon	Mazielka. Sequence: 532614	MFSK-6	(Danix)
X06	10684	18-10	0637	Wed	Mazielka. Sequence: 256341	MFSK-6	(ES)
X06	14501	18-10	0809	Wed	Mazielka. Sequence: 214356	MFSK-6	(Danix)
X06	14631	18-10	0830	Wed	Mazielka. Sequence: 362154	MFSK-6	(Danix)
X06	16472	18-10	0907	Wed	Mazielka	MFSK-6	(EW)
X06	16320	20-10	0629	Fri	Mazielka. Sequence: 241563	MFSK-6	(ES)
X06	12109	23-10	0838	Mon	Mazielka. Sequence: 431625	MFSK-6	(Danix)
X06	13843	26-10	0816	Thu	Mazielka. Sequence: 153624	MFSK-6	(Danix)
X06	13506	26-10	0950	Thu	Mazielka. Sequence: 164532	MFSK-6	(Danix)
X06b	13376	1-10	1552	Sun	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	13376	1-10	1555	Sun	Mazielka. Sequence: 161-6-	MFSK-6	(AB)
X06b	13376	1-10	1557	Sun	Mazielka. Sequence: 161-6-	MFSK-6	(AB)
X06b	9450	9-10	0740	Mon	Mazielka. Sequence: 1--6--	MFSK-6	(ES)
X06b	9450	9-10	1257	Mon	Mazielka. Sequence: 1--6--	MFSK-6	(SP1)
X06b	13736	12-10	1257	Thu	Mazielka. Sequence: 1--6--	MFSK-6	(ER/GNL)
X06b	11320	13-10	1139	Fri	Mazielka. Sequence: 1--6--	MFSK-6	(MCO)
X06b	11320	17-10	1223	Tue	Mazielka. Sequence: 1--6--	MFSK-6	(ER/Topol/chpa /PBs)
X06b	13320	18-10	1137	Wed	Mazielka. Sequence: 1--6--	MFSK-6	(PBs)
X06b	13320	18-10	1151	Wed	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	12320	18-10	1235	Wed	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
X06b	12320	20-10	0812	Fri	Mazielka. Sequence: 6----- ends 0813z	MFSK-6	(AB)
X06b	12320	20-10	0815	Fri	Mazielka. Sequence: 6----- ends 0817z	MFSK-6	(AB)
X06b	12320	20-10	0821	Fri	Mazielka. Sequence: 6----- ends 0821z	MFSK-6	(AB)
X06b	12320	20-10	0822	Fri	Mazielka. Sequence: 6----- ends 0824z	MFSK-6	(AB)
X06b	12320	20-10	0825	Fri	Mazielka i.p. Sequence: 1--6-- ends 0846z	MFSK-6	(AB)
X06b	12320	20-10	0847	Fri	Mazielka. Sequence: 1--6-- ends 0905z	MFSK-6	(AB)
X06b	12320	20-10	0914	Fri	Mazielka. Sequence: 1--6-- ends 0914z	MFSK-6	(AB)
X06b	12320	20-10	0916	Fri	Mazielka. Sequence: 1--6-- ends 1033z	MFSK-6	(AB)
X06b	17462	27-10	1250	Fri	Mazielka. Sequence: 6--1--	MFSK-6	(AB)
X06b	17462	27-10	1255	Fri	Mazielka. Sequence: 6--1--	MFSK-6	(AB)
X06b	17462	27-10	1328	Fri	Mazielka. Sequence: 1--6--	MFSK-6	(AB)
XPA	10868	2-10	0600	Mon	813 813 813 1 00751 00125 99168 ... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	12168	2-10	0620	Mon	813 813 813 1 00751 00125 99168 ... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	13368	2-10	0640	Mon	813 813 813 1 00751 00125 99168 ... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	10868	4-10	0600	Wed	813 813 813 1 00751 00125 99168... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	12168	4-10	0620	Wed	813 813 813 1 00751 00125 99168... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	13368	4-10	0640	Wed	813 813 813 1 00751 00125 99168... 77116 25489 05122	MFSK-20/10Bd	(AB)
XPA	10868	9-10	0600	Mon	813 813 813 000 03187 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	9-10	0620	Mon	813 813 813 000 03187 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	9-10	0640	Mon	813 813 813 000 03187 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	11-10	0600	Wed	813 813 813 000 08251 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	12168	11-10	0620	Wed	813 813 813 000 08251 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)

XPA	13368	11-10	0640	Wed	813 813 813 000 08251 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10868	16-10	0600	Mon	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB)
XPA	12168	16-10	0620	Mon	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB)
XPA	13368	16-10	0640	Mon	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB)
XPA	10868	18-10	0600	Wed	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB)
XPA	12168	18-10	0620	Wed	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB)
XPA	13368	18-10	0640	Wed	813 813 813 1 02813 00157 28126 ... 93751 65383 52273	MFSK-20/10Bd	(AB/ES)
XPA	10868	23-10	0600	Mon	813 813 813 000 08736 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	23-10	0620	Mon	813 813 813 000 08736 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	23-10	0640	Mon	813 813 813 000 08736 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	25-10	0600	Wed	813 813 813 000 04240 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	25-10	0620	Wed	813 813 813 000 04240 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	25-10	0640	Wed	813 813 813 000 04240 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	30-10	0600	Mon	813 813 813 1 03713 00149 09090 ... 34966 58582 17311	MFSK-20/10Bd	(AB)
XPA	12168	30-10	0620	Mon	813 813 813 1 03713 00149 09090 ... 34966 58582 17311	MFSK-20/10Bd	(AB)
XPA	13368	30-10	0640	Mon	813 813 813 1 03713 00149 09090 ... 34966 58582 17311	MFSK-20/10Bd	(AB)
XPA2	16338	1-10	1500	Sun	02854 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	1-10	1520	Sun	02854 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	1-10	1540	Sun	02854 00001 00000 10140	MFSK-16/20Bd	(AB/BvR/MPJ))
XPA2	16284	3-10	0700	Tue	09449 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	18184	3-10	0720	Tue	09449 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	19584	3-10	0740	Tue	09449 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	16338	3-10	1500	Tue	03829 00001 00000 10140	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14538	3-10	1520	Tue	03829 00001 00000 10140	MFSK-16/20Bd	(AB-RUS/MPJ/RL)
XPA2	13538	3-10	1540	Tue	03829 00001 00000 10140	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	16284	6-10	0700	Fri	04699 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	18184	6-10	0720	Fri	04699 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	19584	6-10	0740	Fri	04699 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	17462	6-10	1400	Fri	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	6-10	1420	Fri	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ)

XPA2	14828	6-10	1440	Fri	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	7-10	1400	Sat	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ/RL/BvR)
XPA2	16114	7-10	1420	Sat	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	7-10	1440	Sat	01567 00085 25155 ... 55116 00374 10610	MFSK-16/20Bd	(AB/MPJ/BvR)
XPA2	16338	8-10	1500	Sun	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14538	8-10	1520	Sun	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/MP/HFDJ)
XPA2	13538	8-10	1540	Sun	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	16338	10-10	1500	Tue	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/dmhz/MPJ)
XPA2	14538	10-10	1520	Tue	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	10-10	1540	Tue	04543 00091 39148 ... 92696 34700 64262	MFSK-16/20Bd	(AB/MPJ/MDK2)
XPA2	16284	13-10	0700	Fri	00329 00081 37729 .. 48426 71658 72651	MFSK-16/20Bd	(AB-RUS)
XPA2	18184	13-10	0720	Fri	00329 00081 37729 .. 48426 71658 72651	MFSK-16/20Bd	(AB-RUS)
XPA2	19584	13-10	0740	Fri	00329 00081 37729 .. 48426 71658 72651	MFSK-16/20Bd	(AB-RUS)
XPA2	17462	13-10	1400	Fri	03321 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	13-10	1420	Fri	03321 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	13-10	1440	Fri	03321 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	14-10	1400	Sat	03134 00001 00000 10140	MFSK-16/20Bd	(AnEur)
XPA2	16114	14-10	1420	Sat	03134 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	14828	14-10	1440	Sat	03134 00001 00000 10140	MFSK-16/20Bd	(MPJ)
XPA2	16338	15-10	1500	Sun	04982 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14538	15-10	1520	Sun	04982 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	15-10	1540	Sun	04982 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16284	17-10	0700	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	18184	17-10	0720	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	19584	17-10	0740	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	16338	17-10	1500	Tue	06176 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14538	17-10	1520	Tue	06176 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13538	17-10	1540	Tue	06176 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16284	20-10	0700	Fri	05196 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	18184	20-10	0720	Fri	05196 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)

XPA2	19584	20-10	0740	Fri	05196 00001 00000 10140	MFSK-16/20Bd	(AB-RUS)
XPA2	17462	20-10	1400	Fri	02179 00001 00000 10140	MFSK-16/20Bd	(AB/MCO)
XPA2	16114	20-10	1420	Fri	02179 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14828	20-10	1440	Fri	02179 00001 00000 10140	MFSK-16/20Bd	(AB/MDK2)
XPA2	17462	21-10	1400	Sat	01728 00001 00000 10140	MFSK-16/20Bd	(AB/RL)
XPA2	16114	21-10	1420	Sat	01728 00001 00000 10140	MFSK-16/20Bd	(AB/MDK2)
XPA2	14828	21-10	1440	Sat	01728 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16338	22-10	1500	Sun	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/GHn/dmhz/BvR)
XPA2	14538	22-10	1520	Sun	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/dmhz/BvR)
XPA2	13538	22-10	1540	Sun	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/dmhz/MDK2)
XPA2	12192	23-10	0700	Mon	08871 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16284	24-10	0700	Tue	02840 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18184	24-10	0720	Tue	02840 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19584	24-10	0740	Tue	02840 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16338	24-10	1500	Tue	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	24-10	1520	Tue	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	24-10	1540	Tue	07477 00075 21273 ... 45813 72233 24146	MFSK-16/20Bd	(AB/GHn/MPJ)
XPA2	16284	27-10	0700	Fri	07855 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18184	27-10	0720	Fri	07855 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19584	27-10	0740	Fri	07855 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17462	27-10	1400	Fri	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20Bd	(AB/GHn/MPJ)
XPA2	16114	27-10	1420	Fri	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20BdMFSK-16/20Bd	(AB/MPJ)
XPA2	14828	27-10	1440	Fri	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	28-10	1400	Sat	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	28-10	1420	Sat	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20Bd	(AB/MPJ/GHn)
XPA2	14828	28-10	1440	Sat	07574 00073 92961 ... 64952 95467 22525	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	29-10	1500	Sun	06893 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	29-10	1520	Sun	06893 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/MDK2)
XPA2	13538	29-10	1540	Sun	06893 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)

XPA2	12192	30-10	0700	Mon	04343 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13892	30-10	0720	Mon	04343 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14892	30-10	0740	Mon	04343 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16284	31-10	0700	Tue	06267 00103 40483 ... 04900 61580 52267	MFSK-16/20Bd	(AB)
XPA2	18184	31-10	0720	Tue	06267 00103 40483 ... 04900 61580 52267	MFSK-16/20Bd	(AB)
XPA2	19584	31-10	0740	Tue	06267 00103 40483 ... 04900 61580 52267	MFSK-16/20Bd	(AB)
XPA2	16338	31-10	1500	Tue	06091 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	31-10	1520	Tue	06091 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	31-10	1540	Tue	06091 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XSL	4153	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4231.5	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4291	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6250	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6417	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6445	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8313	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8588	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8703.5	6-10	1203	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4153	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4231.5	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4291	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6250	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6417	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6445	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8313	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8588	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8703.5	9-10	0614	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4153	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4231.5	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4291	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)

XSL	6250	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6417	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6445	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8313	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8588	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8703.5	10-10	2107	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4153	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4231.5	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4291	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6250	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6417	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6445	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8313	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8588	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8703.5	15-10	1433	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4153	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	4231.5	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	4291	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	6250	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	6417	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	6445	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	8313	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	8588	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	8703.5	17-10	1305	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-CHN)
XSL	4153	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4231.5	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	4291	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6250	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6417	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	6445	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)

XSL	8313	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8588	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)
XSL	8703.5	30-10	1957	Mon	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-KOR)

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AB-CHN	Ary Boender via remote rx China	HFD	Hans-Friedrich Dumrese, Germany
AB-G	Ary Boender via remote rx UK	HK	Hiroyuki Komatsubara, Japan
AB-GRC	Ary Boender via remote rx Greece	IKOPAV	Ben IKOPAV
AB-HK	Ary Boender via remote rx Hong Kong	JPL	JPL, Ontario, Canada (and various remotes)
AB-HNG	Ary Boender via remote rx Hungary	JPL-CHN	JPL via remote rx China
AB-J	Ary Boender via remote rx Japan	JPL-KOR	JPL via remote rx South Korea
AB-KOR	Ary Boender via remote rx South Korea	JPL-NOR	JPL via remote rx Norway
AB-PHL	Ary Boender via remote rx Philippines	JPL-NZL	JPL via remote rx New Zealand
AB-POL	Ary Boender via remote rx Poland	JPL-S	JPL via remote rx Sweden
AB-RUS	Ary Boender via remote rx Russia	JPL-Sib	JPL via remote rx Siberia
AB-S	Ary Boender via remote rx Sweden	KA1IIC	KA1IIC, Vince, USA
AB-Sib	Ary Boender via remote rx Siberia	Kalv	Kalvados
AB-UKR	Ary Boender via remote rx Ukraine	linkz	Linkz, S.E. France
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Danix	Danix111, Poland	Phi	Philby
Danix-CHN	Danix via remote rx China	Phi-CHN	Philby via remote rx China
Danix-OMA	Danix via remote rx Oman	PT3	Paolo, SW Europe
Danix-USA	Danix via remote rx USA	RL	Landolpho, Brazil
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GHn	Gary Hagermann, UK	W9SPY	Curt

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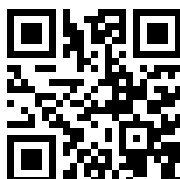
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 115 40932 76987 20123 40817 26385 81287 65481 87264 81
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