

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	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	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
797	58767	76587	58765	76587	58765	76587	58765	76587	58

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #263, August 2019

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

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

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



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FOREWORD

Hello and welcome to yet another edition of Numbers & Oddities.

Barry Williams reported a pirate station on 6925 kHz, on Aug, 12th, 0115 UTC.

The station started up by playing Lincolnshire Poacher and 5 fig group. It was Classic Pirate Radio Relay Service with old number station clips aired. A station ID was given out, and frequency changes along with mode changes occurred during the broadcast.

"It was a bit of fun to listen", says Barry. "I thought the group would be interested in hearing about this station."

Thanks for the log, Barry.

It seems that V15 from North Korea is off the air. The last transmission reported was on 27 June 2019 at 1545 UTC. If anyone has heard the station after that, please let us know. The same goes for V02a and M08a. They are silent since February.

Mary sent us a rare log of VC05. Great catch, Mary!

VOICE STATIONS

E06

13540 kHz, 01-08/02-08, 0500 UTC

16115 kHz, 01-08/02-08, 0600 UTC

210 846 53

06734 20102 93794 80156 44545 69821 40160 72985 74527 53130

44686 10516 61583 59943 58982 25929 22276 51372 55078 96768

06316 10910 00123 12200 01588 13299 19468 32153 48641 40762

96560 10560 75601 01278 83095 39849 89419 28606 17854 38910

84413 68723 77676 01690 54028 82387 09003 48631 16759 18493

13405 48123 92168

846 53 00000

5940 kHz, 01-08, 2030 UTC

724 741 41

53178 61135 61345 79320 59385 58736 77233 95864 48376 22795

48538 34693 26852 26468 34579 34687 33529 23258 04468 46726

60964 69477 23295 27399 80453 17847 31125 11631 12253 13648

65824 66893 63136 85458 12496 55482 79383 23682 23392 23328

34789

741 41 00000

Windows shut down sound

5731 kHz, 02-08, 2031 UTC. Late start

315 741 41

53178 61135 61345 79320 59385 58736 77233 95864 48376 22795

48538 34693 26852 26468 34579 34687 33529 23258 04468 46726

60964 69477 23295 27399 80453 17847 31125 11631 12253 13648

65824 66893 63136 85458 12496 55482 79383 23682 23392 23328

34789

741 41 00000

Windows shut down sound

16115 kHz, 16-08, 0600 UTC

210 346 57

65462 63563 44673 95627 28494 03583 59200 95111 73560 34238
74543 59400 19113 13684 85936 66006 94400 71629 34293 56295
65216 06850 37479 14582 03111 01967 08000 75348 15239 41467
86813 11035 77047 43870 47936 73823 34979 43996 53538 89876
71381 86274 64217 29446 48813 15020 34135 01299 75932 72617
45701 44900 62152 41558 63498 18787 53256
346 57 00000

E07**13519/14819/15919 kHz, 01-08/03-08, 1410/1430/1450 UTC**

288 288 288 1 9530 78 9530 78

43872 12588 06915 12945 37606 65175 66219 82213 02453 57650
27088 04482 62392 45615 20813 59090 82950 80824 03193 49800
99257 87229 10971 30308 96190 76740 62227 43974 83661 62947
57440 62389 69925 81502 66823 36542 10674 64611 43894 71915
09093 23191 54797 96852 58460 63616 33561 88889 53905 93405
59371 42832 02268 74156 75957 66190 37044 22072 78867 97865
47523 74731 80543 69124 76678 16985 75627 70843 81914 27538
29786 84029 15515 25638 36418 48062 83837 17904 000 000

16246/18446/19246 kHz, 02-08, 0700/0720/0740 UTC

242 242 242 1 7571 87 7571 87

88619 22659 66729 83050 83671 17717 17152 81046 77644 37964
79391 63886 96053 53495 20611 15405 18434 39017 48683 17005
77795 55920 47886 24601 67641 65513 22198 12056 20036 76623
04813 45037 49987 91950 77132 88251 61780 22403 10231 30593
99456 11428 44320 44083 51055 70262 82100 31480 83180 28082
32618 86398 54229 78683 88432 50920 59648 13738 90717 76249
96883 20060 85039 62506 58265 96174 78538 31941 31284 23282
15239 03776 88897 38929 74670 05170 94639 90489 47153 57884
81743 40960 18629 15525 25923 69229 17717 000 000

20146/18246/16346 kHz, 02-08, 1100/1140/1140 UTC

123 123 123 1 7362 91 7362 91

83440 62938 64695 33566 22828 21552 18354 74980 76123 27685
62936 16845 23981 49603 18938 46562 78427 01761 16764 18726
99760 70217 82780 68198 04175 88216 95785 02230 98882 15993
68013 06814 24331 56520 11413 46279 30289 00091 57705 98859
28765 19145 15473 15274 90974 22635 36369 30447 82097 38434
10216 70305 63467 42184 87609 50469 47915 85899 49656 96698
37319 66487 54016 15529 80856 71561 02349 41622 75273 52956
03633 62921 24569 88894 18305 60577 23534 84019 32661 30791
55825 61024 12851 64947 11900 27239 00481 84569 89678 79220
87160 000 000

13397/12197/10697 kHz, 11-08/14-08, 1700/1720/1740 kHz

316 316 316 1 231 57 231 57

23539 26001 15484 70241 80532 27497 42882 43946 77783 11695
90368 55094 08110 43730 99314 27849 57711 85426 87374 14756
83784 15327 89427 28611 49103 98417 50270 34220 94665 59687
86475 94091 27827 37362 58805 32823 09681 04559 25890 83922
00869 76727 66359 85161 77625 64585 39340 43780 25323 76297
56032 05492 89583 35807 43638 35731 000 000

20146/18246/16346 kHz, 13-08/16-08, 1100/1120/110 UTC

123 123 123 1 211 54 211 54
33280 94727 48002 27385 87947 09026 71586 15247 74143 82022
85836 65389 71885 07360 65832 05577 05477 04140 11127 50195
91749 25771 96892 75568 99101 15318 82398 37593 86613 20130
57152 56978 11613 25265 11350 10639 68316 81803 80127 43673
67586 77513 41267 93873 82874 19830 17894 40975 06214 62294
72592 68438 12839 80502 000 000

16246/18446/19246 kHz, 16-08/27-08/30-08, 0700/0720/0740 UTC

242 242 242 1 7140 34 7140 34
36712 00595 09872 32699 75967 37839 41575 58435 76614 42401
82514 98443 46007 33097 41016 15472 50595 00362 87618 50077
47848 94289 93786 72592 70072 12636 17798 50714 68309 18228
65583 61161 67401 04198 000 000

9064/10264/11464 kHz, 17-08/18-08/24-08/25-08/31-08, 0600/0620/0640 UTC

024 024 024 1 838 49 838 49
20364 32154 52064 13043 76659 91660 78819 08387 19282 96912
65684 39366 07764 82492 03621 80856 54715 33261 10208 10426
24989 30392 36782 09211 90185 82683 12875 08055 54666 24340
85186 15505 82265 51047 92399 83826 82255 46972 14158 59154
14896 86834 65143 95874 94443 83466 09855 24955 24192 000 000

9064/10264/11464 kHz, 17-08/18-08/24-08/25-08/31-08, 1300/1320/1340 UTC

024 024 024 1 838 49 838 49
20364 32154 52064 13043 76659 91660 78819 08387 19282 96912
65684 39366 07764 82492 03621 80856 54715 33261 10208 10426
24989 30392 36782 09211 90185 82683 12875 08055 54666 24340
85186 15505 82265 51047 92399 83826 82255 46972 14158 59154
14896 86834 65143 95874 94443 83466 09855 24955 24192 000 000

13397/12197/10697 kHz, 18-08, 1700/1720/1740 kHz

316 316 316 1 207 30 207 30
74510 48550 88542 46720 57573 44570 12871 73231 49638 43974
36170 60054 95146 66517 36170 04601 55477 37422 14674 98395
14070 57303 61617 45409 30091 84546 19549 37499 76801 17170
000 000

20146/18246/16346 kHz, 20-08/23-08, 1100/1120/110 UTC

123 123 123 1 6802 98 6802 98
42960 51224 53437 12073 59192 11996 17723 51807 60769 73289
96572 66841 58142 13397 20838 91662 78694 70480 40245 80911
60982 13399 68311 45659 66951 55960 47442 36444 72882 05100
54334 50417 12978 83285 13345 36753 97816 03402 32735 23606
24488 39790 14529 13390 08496 24646 48225 23392 44549 32472
42864 12998 93135 01816 87140 42441 15924 18983 32613 53731
68540 10299 56430 99984 47951 45201 51111 32653 77429 93737
66534 08387 10185 17149 37842 46777 29502 99184 64781 77776
11612 34023 94902 91810 89443 85206 37011 65135 92096 47991
99373 37659 42959 34192 00647 88258 64260 43581 000 000

13397/12197/10697 kHz, 21-08/25-08, 1700/1720/1740 kHz

316 316 316 1 536 139 536 239
 53026 76330 38660 92445 59038 04756 53390 84402 98903 78161
 04456 01389 28718 54441 20246 71012 81510 86359 97212 85499
 35525 68591 64414 98956 72296 03554 92797 25310 86466 46988
 68378 76543 89941 27937 06013 52111 35170 28685 59645 49409
 45035 00357 87797 54638 17973 41086 73933 15526 47598 99151
 67324 24241 54362 87507 25866 52147 49689 31662 56865 31752
 64583 45631 46132 10387 12639 31462 49070 91338 19751 30219
 24144 20668 15889 17824 81092 46884 57584 45806 71586 15808
 10550 94546 57018 55553 81570 37505 50552 29871 02330 94381
 85565 72334 16047 85467 76939 80471 70075 66835 16893 80400
 04748 46622 92963 01883 18209 77269 64176 91184 88281 49073
 66089 29012 40691 06289 93709 96399 51186 93715 51453 57566
 73555 40016 55239 44297 45892 14283 09177 30770 70877 81943
 86296 00309 02349 82690 28121 29115 85995 88310 13645 000 000

16147/14547/13447 kHz, 26-08/28-08, 1900/1920/1940 UTC

164 164 164 1 724 115 724 115
 79773 29440 38720 30691 60804 65727 74020 00392 30096 71605
 62558 16641 29279 36109 23191 37342 46982 31494 66557 85770
 94875 71202 49912 60689 61152 08527 96216 94263 60805 74949
 43461 52557 88995 02973 38650 82975 94289 47248 36529 92294
 63249 55838 79883 32209 91447 15973 24605 03353 22201 05224
 15854 50797 03804 97188 45683 12627 46003 02415 97620 13453
 94097 30390 78413 97770 90134 09402 10862 07671 45232 16507
 94082 67783 54647 38672 64582 21329 49470 45911 54188 40228
 39229 32776 74017 53602 02830 70833 65509 61652 01912 11637
 24871 49292 69084 55194 86908 18007 09590 16941 89320 88604
 83088 69897 91201 62973 09524 11526 48492 07123 21209 02597
 19074 97973 44642 51327 86355 000 000

13519/14819/15919 kHz, 29-08/31-08, 1410/1430/1450 UTC

228 288 288 1 8366 84 8366 84
 12642 55091 15306 63436 28354 95325 91241 27470 94703 75124
 59292 29348 84585 85220 42057 83505 53356 95152 67603 76534
 47195 69263 52214 14274 61021 04294 67223 34219 84804 32193
 82547 51631 42578 17986 47441 17355 92402 03100 49473 71478
 61739 34262 79610 94092 85233 07442 58211 67781 68433 26798
 26148 95287 27595 43177 69641 68828 90679 90794 64151 91308
 04595 94345 38483 62725 51361 72606 50093 64941 66088 76780
 19978 47252 13023 41253 44983 21473 36313 69206 40832 06071
 88848 63781 08735 01659 000 000

E07a**12166/10766/9266 kHz, 14-08/21-08, 2000/2020/2040 UTC**

172 172 172 1 30894 338 77 338 77
 29466 23553 56552 15384 15055 97483 57151 94678 85682 23944
 42604 71618 95081 34399 38563 43008 53688 83714 51928 67504
 36601 18750 48777 44133 98705 00877 20323 99407 88239 62873
 90263 63646 84712 91212 77286 40790 55409 41214 17704 43155
 10454 65938 95327 75430 12268 42449 52254 37099 19696 61897
 63606 81750 18532 93019 06830 23871 32666 95622 59633 73267
 43043 38213 77776 14043 09267 73694 30110 14324 81287 61239
 31561 90775 84751 04017 59310 77164 24957 000 000

7933/9133/10233 kHz, 15-08/22-08, 0430/0540/0510 UTC

912 912 912 1 30894 338 77 338 77

29466 23553 56552 15384 15055 97483 57151 94678 85682 23944
42604 71618 95081 34399 38563 43008 53688 83714 51928 67504
36601 18750 48777 44133 98705 00877 20323 99407 88239 62873
90263 63646 84712 91212 77286 40790 55409 41214 17704 43155
10454 65938 95327 75430 12268 42449 52254 37099 19696 61897
63606 81750 18532 93019 06830 23871 32666 95622 59633 73267
43043 38213 77776 14043 09267 73694 30110 14324 81287 61239
31561 90775 84751 04017 59310 77164 24957 000 000

E11a

6480 kHz, 03-08/04-08, 0710 UTC

497/35 Attention

35066 66605 81154 07528 55321 94943 82123 60110 16624 65656
66700 78222 24831 86776 43890 49541 88526 04280 47208 29545
41639 34314 24856 48197 43521 47316 47786 79588 04857 79837
70173 83835 98495 48355 36503

Attention (message repeated) Out

7469 kHz, 05-08, 0450 UTC

413/38 Attention

88101 29280 06709 19400 78834 08484 83572 47811 27971 37466
83447 45877 00995 95953 79630 60793 10262 91850 95586 74597
06440 54916 64912 64908 24224 76820 52997 53015 81705 99394
84639 51071 54211 29889 02555 22901 98394 94655

Attention (message repeated) Out

7600 kHz, 05-08/08-08, 1900 UTC

644/35 Attention

69956 59963 14637 36379 07643 86013 05113 66017 14918 95747
45906 86992 83567 38381 32091 20528 98144 62533 72387 75599
13663 08872 82461 04515 64008 78942 87753 69723 87334 07293
91599 35960 84146 33609 00395

Attention (message repeated) Out

10429 kHz, 06-08, 0715 UTC

634/31 Attention

43101 99995 13580 25608 43237 81362 80392 39470 89365 25490
17333 79470 11014 30595 46292 74224 01719 52394 04762 76676
49771 83542 29088 69759 24811 82642 66014 41959 93056 70805
71562

Attention (message repeated) Out

5149 kHz, 07-08, 1130 UTC. Exercise traffic.

Lots of 3's and a silence instead of a letter on two places, on both readings and the repeat. The dot marks the silence.

121/23 Attention

33256 35565 23458 33563 14733 56533 35355 33839 34436 35347
39835 .9832 13435 36983 73536 34321 32135 36393 98333 43213
53839 73643 536.3

Attention (message repeated) Out

7984 kHz, 07-08/10-08, 1730 UTC

403/32 Attention

71409 37755 80717 86217 24095 26623 93990 89807 44029 28436
49387 81462 91993 35054 80735 83336 55923 24231 56825 06906
92055 11233 88748 65730 52275 44065 99559 92279 41277 84393
74755 50880

Attention (message repeated) Out

8088 kHz, 08-08, 1730 UTC

413/38 Attention

88101 29280 06709 19400 78834 08484 83572 47811 27971 37466
83447 45877 00995 95953 79630 60793 10262 91850 95586 74597
06440 54916 64912 64908 24224 76820 52997 53015 81705 99394
84639 51071 54211 29889 02555 22901 98394 94655

Attention (message repeated) Out

12229 kHz, 09-08/11-08, 1650 UTC

927/34 Attention

04268 27869 93745 89864 11398 09225 27915 86984 80453 13087
57089 46567 39064 03438 63328 42709 69842 16473 12418 93956
35808 15174 23710 36477 37127 56659 72193 75415 41804 39976
20726 12346 45478 84643

Attention (message repeated) Out

7449 kHz, 12-08, 0900 UTC

535/37 Attention

94110 31869 86313 346.3 17458 3956. 0386. 07061 12035 79865
..786 86075 06179 13412 77640 17131 45391 .446. 50295 94585
46.71 80026 23147 48332 .9878 27055 75615 82.84 23805 84372
.3081 05144 31031 16804 ..597 57467 01084

Attention (message repeated) Out.

Technical problems. Disappearing digits. Dots mark the silences.

8545 kHz, 12-08, 1045 UTC

696/25 Attention

88174 46220 69710 39789 21979 01842 38372 50995 92080 37062
38822 37887 22591 98755 78482 62393 35758 55596 91370 62044
68005 69687 76095 79873 57961

Attention (message repeated) Out

8180 kHz, 13-08/16-08, 1000 UTC

309/31 Attention

16372 46242 88586 58858 01576 86749 83933 66000 83219 01429
93936 08950 20856 72847 71888 88458 14818 45438 07043 84901
16466 03764 27812 05268 83084 50342 40236 06159 53304 89718
82744

Attention (message repeated) Out

5371 kHz, 13-08/18-08, 1605 UTC

231/38 Attention

17072 63118 02164 59910 74961 56891 48484 64191 92086 39701
39037 09834 59970 52988 23089 77039 27078 00115 30122 02034
81808 04388 47903 50962 97809 51597 05042 22940 73361 06425
44870 42006 89650 99221 14083 43539 13678 59847

Attention (message repeated) Out

4783 kHz, 14-08/17-08, 1705 UTC

394/38 Attention

00303 88659 39159 72461 77715 97678 47102 20949 85048 05339
08703 34067 38067 11087 01236 21482 35854 27297 95689 68315
23082 92314 50514 81236 96128 27833 44691 33830 84984 51413
45550 07773 63401 38198 58708 34132 88996 41662

Attention (message repeated) Out

13424 kHz, 13-08/15-08, 0645 UTC

519/31 Attention

34598 14612 53277 11587 71921 33812 09801 30464 49267 42731
52120 77978 84557 82822 12382 61579 02206 97165 44709 21437
10874 64207 07249 80634 72204 59722 93924 61288 29767 51974
57460

Attention (message repeated) Out

5737 kHz, 17-08/18-08, 0805 UTC

316/33 Attention

85935 98851 54851 77843 45056 23962 83653 21307 32675 50151
93500 75765 62032 71510 92483 36274 25260 47219 12477 96237
42150 59132 73785 49346 76114 46319 56711 14921 50587 18734
00491 32843 44195

Attention (message repeated) Out

5082 kHz, 18-08/25-08, 1930 UTC

363/36 Attention

48145 37646 71241 73192 90589 14246 80920 24656 20796 25265
55287 22191 24929 39466 86632 50693 57495 05776 34848 12383
43365 00742 13891 73753 08631 23460 52725 49968 30094 64480
05293 13962 06488 79914 43601 36266

Attention (message repeated) Out

5409 kHz, 19-08, 1530 UTC

522/31 Attention

94061 82054 49018 14973 45097 22710 50750 21342 90301 11743
41649 99493 31610 00710 85049 37662 39346 34347 89866 35426
31599 83677 27353 78147 13536 63369 38843 18337 81594 26522
96274

Attention (message repeated) Out

14410 kHz, 19-08/25-08, 1745 UTC

246/35 Attention

92603 58104 34287 46883 78998 38884 90210 05627 13830 57639
42294 32901 92537 83046 81005 91268 55576 05889 87962 46298
30760 55025 84450 66579 11440 78164 44880 10473 75368 25287
37370 50178 80559 34573 77840

Attention (message repeated) Out

12153 kHz, 20-08/22-08, 0845 UTC

150/27 Attention

06875 68243 75805 26290 01883 75541 89718 42887 08370 61855
68247 60124 09798 27424 13072 50872 79244 02261 36630 73975
70780 20997 91383 31756 57417 46599 41509

Attention (message repeated) Out

6304 kHz, 20-08/21-08, 1205 UTC

463/35 Attention

07354 84603 27433 22022 72225 56446 84502 15063 03091 42589
28603 06687 19850 56882 36604 70929 92305 51434 98004 89986
30064 57424 53432 60542 20449 25639 91435 99548 45321 74726
39670 52290 56101 26474 92444

Attention (message repeated) Out

14575 kHz, 20-08/22-08, 1645 UTC

338/36 Attention

52954 66832 38600 77845 00784 71158 22352 43062 66299 27388
60921 75370 78997 73788 40278 91091 19124 55024 63793 91377
39009 54141 53592 80883 27097 99230 77113 80318 41338 98018
04875 30594 57223 67554 47308 42436

Attention (message repeated) Out

15800 kHz, 21-08, 0600/0620/0640 UTC

948/35 Attention

78012 81585 36864 44306 43570 81696 44196 58509 12933 93194
72415 38760 03017 86407 49066 63526 13674 62956 64171 66673
56279 56147 31839 34486 37307 86735 72786 81490 69176 79105
40082 32261 88595 88845 74320

Attention (message repeated) Out

15720 kHz, 21-08/23-08, 0745 UTC

349/38 Attention

51418 22656 57953 96682 48836 22830 06362 80307 16900 49732
49145 25116 86249 05170 63727 96260 11786 83212 97697 77229
61992 85036 67862 28143 93663 70645 81716 90197 89388 30396
46786 70013 01771 53533 30497 97910 56757 22150

Attention (message repeated) Out

6923 kHz, 21-08/22-08, 0930 UTC

275/36 Attention

36130 85187 02852 65072 00026 08769 56798 77804 38215 58577
86807 96947 35273 00427 12790 73918 42292 33788 25496 81586
17555 53282 60578 78023 08862 87252 21968 13152 18224 38235
50981 08306 45576 30631 35207 86694

Attention (message repeated) Out

7863 kHz, 21-08/25-08, 1625 UTC

976/31 Attention

11445 95037 82657 36660 04622 73391 02282 55704 94948 79020
96269 71455 24980 65852 39094 57356 41578 48109 04936 42392
13845 41968 69567 36978 32572 90667 94443 67454 37594 99071
00066

Attention (message repeated) Out

4909 kHz, 22-08/23-08, 0820 UTC

432/37 Attention

38151 24092 38577 70596 76353 69210 98402 27114 70514 60693
77228 28056 06011 97998 58406 09395 78523 70211 27760 62357
86830 79520 61275 65093 26418 55740 93339 29524 68982 42290
59842 70463 18192 93584 50491 71139 91103

Attention (message repeated) Out

6849 kHz, 23-08, 0435 UTC

353/33 Attention

95383 13540 63013 69710 31627 49813 87317 98025 25678 93630
 18201 52108 53431 61028 42622 47152 86825 59446 85848 12990
 15990 42217 25847 78654 57198 77173 59680 93739 35167 63413
 46473 98249 52113

Attention (message repeated) Out

11559 kHz, 26-08/30-08, 0600 UTC

185/26 Attention

55200 18889 58533 26639 17268 22887 43518 03816 73342 52074
 93984 51552 07560 21792 19012 41095 72617 19794 93468 89678
 04642 77388 70671 06453 32686 88389

Attention (message repeated) Out

9610 kHz, 26-08, 0745 UTC**10356 kHz, 29-08, 1530 UTC**

269/40 Attention

55223 33497 70362 07413 74911 37248 02388 80884 49183 92701
 21142 65771 70437 57162 78773 32371 75703 34287 70636 92847
 16353 84366 47488 00203 43482 85641 30177 50740 43491 73386
 15184 79689 32621 08168 26010 94175 84973 02906 85239 84988

Attention (message repeated) Out

8680 kHz, 27-08/30-08, 0700 UTC

574/36 Attention

22283 56351 85791 44625 78190 08115 01327 29199 00013 64374
 88280 86999 83648 45204 23488 14234 37524 19878 43180 99668
 53896 02387 44707 86495 96038 17377 20382 62823 43723 59858
 04727 66975 15209 56380 86857 39334

Attention (message repeated) Out

17378 kHz, 27-08/28-08, 0820 UTC

133/31 Attention

69376 53485 00962 84905 17310 15891 30916 83006 12304 58131
 27177 62513 02888 50620 44601 18387 12472 10431 00032 98600
 26385 13161 97324 39577 62277 56719 38869 26229 31901 05737
 76053

Attention (message repeated) Out

12984 kHz, 27-08/31-08, 1345 UTC

918/35 Attention

76333 62926 36631 81072 93154 47341 41269 09083 80099 23963
 55225 56307 07336 57980 55395 83595 65834 86811 92778 27745
 26774 55369 94045 95954 04050 85827 00719 85683 63830 66178
 80627 48022 81988 01289 79754

Attention (message repeated) Out

E17z

E17z has changed its id after many, many years. It changed from 674 to 217

16781/12581 kHz, 01-08/08-08, 0800/0810 UTC

217 948 5 46062 68672 97478 36685 30485 948 5 00000

16781/12581 kHz, 15-08/22-08, 0800/0810 UTC

217 958 6 40614 77249 40678 17976 21816 42997 958 6 00000

16781/12581 kHz, 29-08, 0800/0810 UTC

217 217 217 00000

10240 kHz, 13-08, 1402 UTC, exercise I.p.

274 (Rpt)

274 (Rpt) 510 25 47665 94092 48521 63888 9206...

274 (Rpt) 48521 63888 92060 11749 70552 62936 57989 05371 65906 66610 20336 17301 88554 82045 36717 24042 75956 31670 40614 77249 40...

274 (Rpt) 40614 77249 40678 17976 21826 510 25 0 0 0...

274 (Rpt) 40678 17976 21826 510 25 0 0 0 0 0

The complete message is:

274 510 25

47665 94092 48521 63888 92060 11749 70552 62936 57989 05371

65906 66610 20336 17301 88554 82045 36717 24042 75956 31670

40614 77249 40678 17976 21826

510 25 000 00

10240 kHz, 19-08, 1339 UTC, exercise i.p.

274 (Rpt) 88620 58069 61732 74537 57440 20597 23521...

Test Tones.

274 (Rpt) 57440 20597 23521 47660 92883 69901 29524 27228 25626 46891 23247 17099 94971 25926 65906 77244 813 20 0 0 0...

274 (Rpt)...

274 (Rpt) 25926 65906 77244 813 20 00000

Complete message:

274 813 20

88620 58069 61732 74537 57440 20597 23521 47660 92883 69901

29524 27228 25626 46891 23247 17099 94971 25926 65906 77244

813 20 0000

G06

6887 kHz, 08-08/22-08, 1830 UTC

842 978 44

11532 37595 68553 78912 87463 94712 18514 02953 38414 13202

42325 23285 15802 65245 87462 78912 87463 94562 14712 84853

53067 42412 15464 75612 14352 34585 68553 23462 73459 41847

21250 37473 27624 17923 54332 81620 81244 41265 96183 74874

66753 78203 80329 38780

978 44 00000

Windows shut down sound

5936 kHz, 09-08, 1930 UTC

218 978 44

11532 37595 68553 78912 87463 94712 18514 02953 38414 13202

42325 23285 15802 65245 87462 78912 87463 94562 14712 84853

53067 42412 15464 75612 14352 34585 68553 23462 73459 41847

21250 37473 27624 17923 54332 81620 81244 41265 96183 74874

66753 78203 80329 38780

978 44 00000

Windows shut down sound

5943 kHz, 23-08, 1930 UTC

218 978 48

90874 56432 12456 78907 62345 75136 98746 20036 94851 47563

87547 21465 97549 15331 34727 52244 42134 67975 45703 06161

13464 97313 49976 23134 74790 90943 20246 46464 15454 54413

24124 17946 74562 47563 20021 06516 21151 62357 65419 47234

12334 12341 32566 77897 78574 56546 45442 45678

978 48 00000

Windows shut down sound

S06**16327 kHz, 02-08, 0830 UTC / 13875 kHz, 02-08, 0930 UTC**

842 750 38

19457 81221 47038 60275 67938 42292 62418 70780 05955 47220

98298 91454 40996 07239 54779 17414 96665 55474 48049 57400

30712 25870 48776 44520 82466 59089 55371 21291 91848 66329

56799 72457 57150 86977 64629 03978 23777 01062

750 38 00000

16327 kHz, 09-08, 0830 UTC / 13875 kHz, 09-08, 0930 UTC

842 136 42

56999 56898 52375 57266 82143 48233 10071 15579 46631 53934

48142 20071 71297 46020 40913 88520 50876 02336 73493 00846

31804 64317 74315 80540 13164 10464 26291 69179 12967 56485

11256 67430 66945 18034 67417 41002 52061 96982 64462 14977

51903 77169

136 42 00000

9336 kHz, 16-08, 1900 UTC

627 941 36

90891 74535 50170 19271 96063 09780 29679 53390 93898 40946

24868 46969 02293 40559 65576 71388 83431 63676 76956 99531

37771 67442 66742 47130 88858 96904 37373 05501 85218 50163

30252 33152 79813 63301 42812 46021

941 941 36 36 00000

S06b**16327/13875 kHz, 30-08, 0830/0930 UTC**

842 517 2 11111 00060 517 2 00000

S11a**12457 kHz, 07-08/10-08, 1850 UTC**

287/34 Vnimanaye

67282 03940 91430 95854 08995 96554 50565 50876 50539 11159

60774 07637 48129 24012 55342 76672 93711 11497 31496 15273

58255 81165 41078 11704 10347 25873 08409 80571 33326 82060

87322 84184 28590 52124

Vnimanaye (message repeated) Konets

10210 kHz, 12-08, 1015 UTC

477/32 Vnimaniye

43730 65545 69655 57218 18063 26946 99217 10483 53655 50326
99354 16262 89056 87604 63282 95765 28211 71806 57655 25917
48327 16497 06761 14274 40402 03649 55925 70544 02270 13100
89960 96599

Vnimaniye (message repeated) Konets

6977 kHz, 13-08/16-08, 1020 UTC

427/31 Vnimaniye

93912 44969 02249 41908 57563 00593 47470 15540 76064 99283
21307 25472 45903 27633 60060 00712 94457 72962 27470 32225
27624 67722 95452 21141 73381 76135 84624 28717 92652 38551
62930

Vnimaniye (message repeated) Konets

5082 kHz, 16-08, 0915 UTC

487/40 Vnimaniye

07975 19828 01990 04399 11311 70604 76546 47403 12864 36004
25507 39689 04653 33204 56320 14495 31165 65396 71221 13048
71018 45587 31481 29434 19155 77539 90818 47604 63783 72465
25717 34045 12592 04642 01396 61481 39950 65142 88793 13587

Vnimaniye (message repeated) Konets

13537 kHz, 28-08, 0513 i.p.. Started at 0510 UTC. Call missed

???/40 Vnimaniye

45188 94465 82115 85768 93774 43385 43815 29682 96779 40314
96436 01027 25970 73478 47436 04062 16435 38951 74131 06936
24176 39247 35478 71414 66662 64294 66587 98163 73777 98273
44285 35967 64489 06142 27599 16914 14652 03277 50349 27537

Vnimaniye (message repeated) Konets

5149 kHz, 28-08/30-08, 1100 UTC

372/34 Vnimaniye

33809 86502 75436 48734 90825 64416 66286 38706 65707 58241
24542 97811 66887 52339 38331 87502 44821 99024 53047 45566
04621 11543 59084 72914 80033 35899 05616 89692 54474 46166
69202 85936 27975 78804

Vnimaniye (message repeated) Konets

V07**13464/12164/11564 kHz, 04-08, 0300/0320/0340 UTC**

415 415 415 1 237 90 237 90

95823 24615 79722 93150 78789 77804 48656 46475 44758 66718
48065 04028 73215 25575 58164 52392 18532 87115 07054 20596
85001 25405 13628 36440 64855 20486 40949 74049 60399 77028
29769 36768 62783 53859 21325 80935 13412 64149 20561 00281
07138 97076 79470 36748 03332 69060 91954 48542 46595 73970
42563 40974 39998 28307 23497 53730 10393 93779 28284 18047
61210 97870 71205 00738 29912 48655 17132 31173 76136 98947
00051 08566 20812 79502 68584 31229 13963 25790 33655 65238
93141 98152 55136 26946 50953 39997 05233 93037 41567 96381
000 000

VC05 - Chinese time stamp stations

4157 kHz, 06-08, 1920 UTC. Chinese oddity station

Great catch by MJ. It is seldom logged.

MORSE STATIONS

M01

5280 kHz, 01-08, 1800 UTC. Error in the repeat of group 27.

025 317 317 = 30 30 = =

85748 43477 81813 01921 28891 71767 25579 92986 35193 88578

74751 04511 99714 46446 10653 61940 38826 87829 57657 28059

85699 75802 78514 15917 77175 26852 92047 (22047) 58300 02118 34071

= = 317 317 = 30 30 000

4905 kHz, 01-08, 2000 UTC. Error in the repeat of the 2nd group

025 179 179 = 30 30 = =

80996 (80906) 97754 07208 25538 43044 53358 44384 88598 68835 54862

16187 55756 83515 21304 36415 70338 40092 55078 71773 43704

06030 62762 83588 21563 84140 26721 99197 96145 81664 03393

= = 179 179 = 30 30 000

6435 kHz, 03-08, 1500 UTC

025 211 211 30 30 = =

17808 20242 79587 40790 95858 36924 50573 34956 48327 02979

60267 64828 89288 78560 39841 62443 09191 23136 02915 45010

49156 83456 01485 43800 43516 45456 59854 36420 55675 50664

= = 211 211 30 30 000

6780 kHz, 04-08, 0700 UTC. Message as sent:

025 271 271 30 30 = =

65172 13817 09319 70862 33821 77847 7787 18780 18022730

2230 0605 2065 50759 50759 53567 53567 91867 91867 47861

47861 44573 4453 52934 52934 98677 967 8565 565 22166

216 0231 102103579 0357 31373 3137 79670 7960 46265 425

02095 0205 19531 19531 12949 12949 99898 99898 13181 EE

99898 99898 13181 13181 68990 68099 06673 06673

= = 271 271 3030 0 0 0

5280 kHz, 06-08, 1800 UTC

025 456 456 30 30 = =

36808 50640 24909 39153 41017 33617 42505 56886 82348 26050

28900 21755 12116 10992 02480 21598 77071 10635 12658 33805

56670 56688 18680 94673 02531 33360 77267 20998 41665 76756

= = 456 456 30 30 000

5280 kHz, 08-08, 1800 UTC

025 523 523 30 30 = =

33951 61027 69685 84132 03206 98630 25463 07984 20904 53353

40080 87599 53592 13369 17522 02607 84130 13759 83344 46968

75317 62273 48071 03189 83864 07131 47929 88026 66163 faded to nil

= = 523 523 30 30 000

4905 kHz, 08-08, 2000 UTC

025 (off for 3 minutes) 511 511 30 30
 19457 19518 60782 88092 75313 65799 85260 51127 38454 00168
 90235 81894 23478 95276 34205 61907 12361 44899 16619 47239
 88333 16155 28820 26168 70676 26486 99519 35143 56013 56816
 = = 511 511 30 30 000

6435 kHz, 10-08, 1500 UTC

025 765 765 30 30 = =
 98543 45242 88298 91872 88017 02323 10837 15069 99479 63869
 35682 88072 87894 44050 57895 74187 10805 87608 36125 92433
 87004 02659 47340 82131 61835 02951 31495 99040 35320 93459
 = = 765 765 30 30 000

6435 kHz, 17-08, 1500 UTC

025 351 351 = 30 30 = =
 46615 62582 19612 11455 13808 76420 43694 44196 04215 96847
 51095 75915 85893 06657 16263 08812 70113 82245 30948 98346
 90381 07439 56868 91578 33910 84153 28192 06343 68099 52512
 = = 351 351 = 30 30 000

6780 kHz, 18-08, 0700 UTC. VVV at 0654 UTC.

025 181 181 30 30 = =
 71927 25851 42345 12302 20582 15526 54922 47098 98504 16883
 60306 42135 67958 76523 70483 72568 01317 98438 19604 19885
 21484 51960 23120 49773 49512 39759 56466 66711 65640 69144
 = = 181 181 30 30 000

4905 kHz, 20-08, 2000 UTC**Errors. Different repeats between brackets**

025 900 900 30 30 = =
 25729 14644 56374 14259 (17259) 87099 63722 32242 16495 9489992
 (94892) 48241 39009 84838 94850 48469 60112 69315 04241 92577
 41512 (71512) 13561 36434 51055 15683 77473 26369 30798 39997
 68459 62864 95128
 = = 900 900 30 30 000

5280 kHz, 22-08, 1800 UTC

025 839 839 30 30 = = = =
 09515 21024 91033 30657 36063 78472 79710 95531 37863 54343
 01423 04919 65801 23396 08847 80350 65110 58344 81364 36997
 51883 78780 09490 30680 50482 42694 00141 01604 06251 29760
 = = = = 839 839 30 30 000

4905 kHz, 22-08, 2002 UTC

025 549 549 30 30 = = = =
 79149 90534 17697 45699 21668 12750 28744 03478 75964 76373
 12932 05099 95454 14035 17824 73228 44075 34498 23220 32044
 56855 81151 15439 53836 81793 89595 47310 55693 55207 83648
 = = = = 549 549 30 30 000

6435 kHz, 24-08, 1500 UTC**Small error at the end: 7070 vs 707**

025 707 707 30 30 = =
 31244 29268 57693 29938 94258 11751 86316 14048 27304 15561
 03859 03287 73804 79015 20914 19639 95872 96342 33875 49058
 36372 29271 62909 94430 92998 85344 30683 66285 57086 97741
 = = 7070 707 30 30 000

5280 kHz, 27-08, 1800 UTC. Contains errors

025 231 231 30 30 = =
16833 42722 09814 48264 77563 43603 30784 93131 16784 01815
72856 43533 93681 38910 40080 71935 88351 54891 16312 48350
96731 30790 68692 83018 45994 13035 99333 64719 59597 35347
= = 231 231 30 30 000

4905 kHz, 27-08, 2000 UTC

Errors. Different repeat between brackets. Group 10 was a 4-digit group.

025 904 904 30 30 = =
70859 90337 90119 96975 20304 47733 04752 49534 37020 (37028) 4350
93393 28735 96430 17961 79734 43189 60536 82654 12909 52910
34697 04739 18881 26313 83740 26710 15435 27184 21587 92024
= = 904 904 30 30 000

5280 kHz, 29-08, 1800 UTC

025 722 722 30 30 = =
28260 75568 19440 72004 73380 80534 78871 75407 23295 17015
54886 78690 51696 46781 56853 93965 08398 16503 54692 77879
77879 32268 43324 34226 93173 67851 06584 30740 79656 85945
= = 722 722 30 30 000

4905 kHz, 29-08, 2000 UTC

025 382 382 30 30 = =
82702 17924 57819 70531 80213 87382 51732 93956 45246 91382
00051 45251 05361 76993 63094 77657 52089 26700 15251 27311
73654 40875 25319 71805 27641 83243 45664 08499 97052 20551
= = 382 382 30 30 000

M01a

4489 kHz, 20-08, 0619 UTC

111 08788
333
111 08788 20410 75353 84882 65872
111 08788
111 52572
111 000

5317 kHz, 20-08, 0830 UTC, i.p.

111 999
470 10 = 57093 24894 65231 49x56 40878 65413 218x7 40651 69540 31874 = 470 10
111 = 40651
111 000
179 179 82684 82684
179 179 82684 82684
179 179 82684 82684
327 10 = 41653 10845 12984 05341 5684 65231 68402 x3108 04786 54132 = 327 10
111 000

10228 kHz, 21-08, 0547 UTC

712 721 712
10115 10115 10115
712 712 712 10217 10217 10217

M01b

5095//5760 kHz, 01-08/08-08/15-08/22-08/29-08 1830 UTC

815 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

5065//5805 kHz, 01-08/08-08/15-08/22-08/29-08, 1940 UTC

936 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

5075//5465 kHz, 02-08/09-08/23-08/30-08, 1902 UTC

336 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

4895//5340 kHz, 02-08/09-08/30-08, 2010 UTC

467 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

5125//5735 kHz, 05-08/12-08/19-08/26-08, 1808 UTC

364 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

5150//5475 kHz, 05-08/12-08/19-08/26-08, 1915 UTC. Id missed.

858 717 717 31 31 = =

85610 84072 83326 09272 81278 25173 49612 86591 93563 87509

94157 59599 69644 94753 39989 62550 08125 31504 88076 58570

41052 50788 58932 82438 29031 30984 77519 70593 87914 78448

07398

= = 717 717 31 31 000

12162/11566/10711 kHz, 01-08, 1700/1720/1740 UTC

546 546 546 1 7406 107 7406 107
26422 00184 68408 66477 01092 01284 07981 99305 84954 03196
23001 43317 24911 97282 01721 39565 08561 35503 77617 89168
96563 59744 82868 44899 66362 42246 07985 97474 19663 63373
70101 14136 20852 12952 29477 37506 30211 70682 36298 78425
01950 69246 38791 30670 88424 18976 45296 28091 77207 30139
22436 81097 32305 58525 38618 18129 99808 15614 21141 91126
85858 29271 00851 03791 21587 06818 62056 08154 38542 81097
76660 98737 31122 19397 45792 01901 91535 00311 09179 25238
04964 23344 65066 36770 16011 88155 42922 16817 98425 96777
23673 62529 25483 30481 38794 98302 31476 72961 97275 07021
33125 60100 28235 88496 13994 31393 13454 000 000

12162/11566/10711 kHz, 01-08, 1800/1820/1840 UTC

546 546 546 1 3672 106 3672 106
20315 98086 48061 27300 69824 29394 73551 08117 66672 88981
71196 04868 54837 34621 76162 04317 43165 56136 01820 25173
59709 69145 59151 78135 77177 46556 82925 39770 53342 37750
49936 53151 58909 34576 77770 03830 61984 07381 79698 28964
77977 46373 56509 96735 62316 33208 47879 74620 64214 79389
99541 89488 10695 24157 24327 69902 97496 20502 31092 19756
96113 30819 16955 17610 18171 79187 06268 79456 73093 65499
52268 98859 79795 63218 46532 84131 57705 97217 72407 08796
88219 83243 38971 18158 34953 91959 02184 88108 24496 80858
90017 94370 24025 94541 08167 14152 56456 94698 10989 26261
13721 71654 01316 19281 30954 46473 000 000

14377/13461/12114 kHz, 01-08, 2000/2020/2040 UTC

317 317 317 1 7296 109 7296 109
97261 52930 27155 02088 61153 72207 96426 88299 29763 77041
46090 72840 95243 62928 76238 39284 75931 74575 90783 47637
35227 85670 28225 65137 76703 24314 16652 67587 52482 65756
49726 70696 51263 93096 44804 93890 04219 55029 48383 41250
53327 18902 82801 85253 73931 10605 32660 33232 97054 00282
85363 39248 51303 76249 72773 55584 82019 63417 14661 99114
43836 98734 05858 29543 82038 84010 83241 51486 64054 39720
16496 04137 42681 82401 09029 43244 10983 61504 62056 18769
06644 17333 93734 67506 31223 22940 28777 22332 51368 03702
92067 26244 85019 42663 93930 34720 10269 61760 70459 09022
26799 07617 00013 06751 59908 27243 93906 53881 46847 000 000

12214/11014/8136 kHz, 01-08/05-08, 2110/2130/2150 UTC

209 209 209 1 613 73 613 73
86467 04302 69331 46267 91460 53780 02125 25565 61278 82931
25546 92388 54981 29267 36197 39841 65218 87288 41648 03790
62068 38000 49617 71063 82318 83003 57595 59021 07883 32743
65490 07018 11526 74468 61344 02259 78355 44111 89799 56358
51007 03696 58156 85459 26167 98485 14093 58280 22419 72458
81929 56218 78846 06509 60069 77373 85978 01696 01991 14436
94865 38291 87352 47386 92785 73831 99060 29316 10589 23480
39835 88671 99683 000 000

8047/6802/5788 kHz, 03-08, 2000/2020/2040 UTC

463 463 463 1 3472 91 3472 91
75586 95174 93636 73599 71918 75779 77231 45444 94294 42575
03270 49300 51044 37990 18928 63222 78320 08920 25208 30089
52282 10032 63643 46236 82091 09394 51256 24614 31311 92396
46803 13783 40659 72298 96540 02314 21249 85437 65988 55267
05284 16611 16794 82457 20584 17524 54611 38357 46739 46311
78346 20157 90870 25646 49706 61567 79460 13504 75013 48354
40948 70218 67242 84569 34061 52067 69170 14882 37001 75671
53236 02529 35419 86720 38893 74828 86207 54469 13041 14358
62163 26415 98369 74680 39099 10180 52796 25823 96901 06454
41929 000 000

11435/10598/9327 kHz, 05-08, 1710/1730/1750 UTC

938 938 938 1 2497 109 2497 109
52285 97997 75267 39695 49451 04128 28486 61303 98255 89681
55936 85399 80766 40790 47770 23518 34361 44528 38847 38181
37249 55285 24588 34593 53710 78416 20968 35339 77753 89706
98887 74239 02555 49107 53335 96314 71450 81641 59560 96512
97127 26333 14548 00240 78356 78044 14133 12467 99849 31958
30091 46390 73146 91972 09716 26476 58909 01917 64694 38082
71498 56346 02461 77326 80114 05556 79702 66407 39564 14298
61449 12654 15524 75478 49117 85612 61537 07937 92994 48644
67006 72582 53659 15386 49461 60095 92236 49259 58100 81880
46420 16228 36421 06676 92206 02190 00859 00031 04908 36149
34876 19567 98748 85358 19978 11702 84651 35059 47463 000 000

8047/6802/5788 kHz, 05-08, 1800/1820/1840 UTC

463 463 463 1 7905 97 7905 97
56184 28115 30683 87524 37390 30714 63358 85358 16280 64473
94458 32488 06416 03599 23964 78284 95591 88164 82835 36614
49188 31520 88742 70501 09502 32046 59511 55898 31104 88450
16392 84680 77630 80230 27341 91422 75122 44706 06211 59039
14102 75760 48863 09460 56360 14781 03772 87175 15340 76983
97149 14356 48427 68959 82255 52350 07365 36665 37345 72347
72021 50444 10264 13012 10238 77512 36225 66759 66250 20010
45590 54327 10005 80518 89449 53552 12905 02846 79018 85089
51869 09577 81895 60909 89638 71707 99464 13080 29654 70458
16295 50025 23045 16877 72807 22611 84983 000 000

9317/10484/11552 kHz, 06-08, 9530/0550/0610 UTC

135 135 135 1 8419 105 8419 105
65603 26341 48813 59074 09176 27521 05657 05180 65380 92263
36742 33518 13225 52050 48839 08442 86178 07511 95821 78574
46060 37363 96454 78747 40409 80984 93053 54981 84195 87614
91512 45901 20992 99906 58744 43813 41908 77182 40905 48738
19249 60412 80709 94349 79954 22604 58597 85831 02527 21654
36230 14107 74841 84191 20475 43654 96703 21596 70120 93244
74990 77992 91102 44192 82904 02109 42196 47182 43312 18708
24839 06016 12393 33748 73380 47689 13766 42438 83497 22423
60660 52231 02465 15631 30009 42698 93532 18070 33666 36106
58543 59468 53528 77765 60545 13511 99725 30372 89087 08002
03270 91341 48922 72098 45479 000 000

11148/10648/9148 kHz, 06-08/08-08, 0700/0720/0740 UTC

161 161 161 1 6291 92 6291 92
26206 09078 65317 03785 50068 87016 99705 13235 05347 73960
58918 74642 92532 66556 70784 96493 33438 34141 92716 23610
61917 78823 71383 90708 04116 53040 80444 69799 16981 51948
42556 95228 46367 48110 77615 34449 45012 44324 25569 56365
95507 69966 37113 58328 32568 48516 98520 44238 82133 51004
35170 73022 51604 07148 47991 64441 12093 83807 08069 61208
39909 90379 05008 98142 47374 93717 99230 41261 12893 61614
91188 44563 98454 27780 77363 76928 76187 68255 22141 53588
52929 97233 88089 00042 67985 99173 43689 70957 58573 16843
78557 34587 000 000

11435/10598/9327 kHz, 06-08, 1800/1820/1840 UTC

938 938 938 1 9053 106 9053 106
76863 31695 15513 39834 82422 64970 32692 18257 05962 95182
67484 60398 85470 25212 17449 99302 99901 47612 02777 47483
59576 32673 39882 38955 40151 11529 09770 90731 67730 77463
65917 84525 31601 63828 07456 71340 51259 59694 72938 43292
07077 08237 35859 15042 97722 94208 61783 82475 54235 05956
21120 49976 61430 17985 20717 43369 76354 47932 48220 16944
72835 35563 18250 78923 93147 85371 72913 75715 33978 79052
13500 59747 25900 00014 18358 62650 60099 43996 71402 14678
73365 48918 47341 68017 13598 56493 66423 64935 x4568 86382
62106 79878 70882 84177 42616 33974 31788 79680 56494 17218
46082 86062 24424 18784 08427 70496 000 000

12162/11566/10711 kHz, 07-08, 1700/1720/1740 UTC

546 546 546 1 6354 108 6354 108
86825 33185 76792 91797 78266 55867 49700 05769 37487 40813
92289 82567 44262 55831 64145 07420 05835 13283 31588 13324
66212 40257 33467 83809 68657 31858 37222 51406 17076 43969
74820 16455 50924 39710 00710 41419 34914 45325 20275 09613
30046 58655 30739 44035 01152 07111 04286 00682 00959 57449
32483 28084 64233 19402 51719 75272 25574 07881 65798 90226
57416 73033 90497 20262 35951 23950 46963 18015 11309 75116
75912 53104 93243 64224 45260 21145 61061 86548 57407 38369
04291 00693 83342 89592 73590 68997 71511 54676 41454 40798
25358 05744 15593 89437 96459 52530 51251 53218 43985 53881
42994 57804 51856 53408 84876 98651 20105 92677 000 000

9052/8052/6952 kHz, 07-08/11-08/21-08/24-08, 2210/2230/2250 UTC

992 992 992 1 453 84 453 84
30608 54286 70009 20310 64576 21964 10884 92471 32684 17772
33262 64524 57275 16154 28742 08109 38932 89332 59084 52420
45429 37018 72736 48963 04510 62097 55467 13568 21409 24947
54355 97575 20804 99081 97881 84545 73906 69147 50028 54955
04979 49532 88803 57060 04780 11080 26540 44595 76534 79154
51866 09760 38129 34092 83795 88529 82240 59480 93716 51024
45854 39755 66049 85152 49570 17566 76493 86002 83900 43700
89627 41561 80233 03710 49451 84219 70588 14664 19706 73221
85911 00148 46823 51158 000 000

12162/11566/10711 kHz, 08-08, 1700/1720/1740 UTC

546 546 546 1 5709 107 5709 107
75844 80986 06936 90257 83958 42560 38481 00813 26090 29836
77627 10005 23236 86313 29678 06432 93793 91638 34343 35040
33042 65271 03228 91240 34994 62900 59652 86583 13916 23394
06268 46716 83682 53316 07118 98933 09123 29591 96455 31090
50725 54064 90792 88630 42251 04245 94403 64176 45222 39117
04409 13765 16642 26596 23033 46221 66210 85712 11383 68822
35134 55417 84678 55575 94714 54068 95094 48514 06943 21607
24691 99285 56291 12230 06631 75229 54681 91601 05155 98719
40297 98100 56613 77349 63854 65587 00159 68829 60765 36692
21408 34374 64793 52814 24437 58114 59131 55950 81714 56919
47122 52470 87571 84841 24057 33233 31336 000 000

12162/11566/10711 kHz, 08-08, 1800/1820/1840 UTC

546 546 546 1 558 43 558 43
94626 97636 04190 90267 34790 68945 02461 18759 68264 28583
15011 30191 54368 15628 69825 06202 53061 51857 44745 86805
58953 27473 55550 00634 13385 70981 93229 93117 78270 56349
59298 74179 15320 70215 83562 07205 27055 98856 61236 28120
50776 12866 37108 000 000

14377/13461/12114 kHz, 08-08, 2000/2020/2040 UTC

317 317 317 1 6514 107 6514 107
80174 91989 53569 20948 46112 65186 78740 16329 75858 68132
54023 26489 31808 45660 76721 21706 19130 55517 74971 24092
67590 70868 08900 86104 39126 44500 20550 00613 47353 79660
73598 90030 01253 74664 20256 39674 73846 24649 94445 23486
10550 00015 07908 45077 44965 12526 68278 75079 19270 45434
45652 31786 11193 22722 92122 61108 52279 09594 02503 46991
92166 00626 84170 30016 99061 47695 22649 36365 19723 79526
71017 38978 47029 34052 52610 76626 39859 35696 25671 02896
40688 41430 14591 94948 89909 61390 08027 30594 19613 22476
02814 79929 37900 55617 35397 20019 84216 64451 03900 63487
23900 84499 83454 72787 88552 28797 03221 000 000

8047/6802/5788 kHz, 10-08, 2000/2020/2040 UTC

463 463 463 1 9344 100 9344 100
40708 40478 95456 35050 67781 30703 57161 10051 68543 64412
57386 18834 59121 69923 79966 87464 89145 78371 06432 29415
60879 91591 74486 84849 87727 39087 56964 73943 09292 55877
72891 52649 49131 72436 40004 59579 24796 15528 47385 66301
61103 34115 92087 77783 11197 34305 97415 94818 83148 79205
67322 43995 39323 00831 00802 50842 95334 85923 52024 02223
81962 65798 70797 94550 70293 64500 17377 90415 23386 46254
53232 07678 44523 14226 41495 12972 65000 52583 05384 69337
88555 98807 89434 07756 79506 72296 25729 25790 45204 65929
90466 49680 59159 50585 55657 74335 54306 37184 64892 89650
000 000

11435/10598/9327 kHz, 12-08, 1710/1730/1750 UTC

938 938 938 1 5382 106 5382 106
72638 21533 57980 45591 15747 28288 35193 48561 55102 72313
39191 47562 56763 47036 64978 20509 68489 02779 65531 88537
50149 10372 27520 25920 50694 30697 13620 05410 50477 92917
05140 70554 75839 05368 64313 36374 97642 53234 48530 05203
24329 99251 47210 81334 94626 16853 34201 50231 96755 46663
82014 03164 23865 55111 59519 48741 69772 70867 38734 93339
90200 44654 62737 57468 17846 35860 71130 53993 62312 14541
81758 94625 97454 60970 11117 05772 83068 35796 00504 13051
10424 31999 64181 68803 48507 47033 48423 87465 83486 25362
07698 85354 77794 48295 06807 08826 54519 49435 73181 62314
25316 47731 95697 55620 55315 63266 000 000

8047/6802/5788 kHz, 12-08, 1800/1820/1840 UTC

463 463 463 1 4396 96 4396 96
54737 92681 54266 20778 23047 73359 77639 58296 32698 31476
52841 33136 43619 82176 93638 86113 92283 59394 26610 77770
93558 22097 30285 12554 22918 37986 98608 66342 69060 12071
91704 38089 25792 34904 25123 46314 90043 72311 04066 22515
47725 61068 64372 34336 16300 31764 05463 13641 80824 16277
69918 73941 18420 17517 56314 20326 62955 37039 74995 14472
20244 85648 61124 30638 95779 09834 35008 97594 40191 77446
45695 45027 08230 28418 70783 80945 45339 09689 03657 60721
25327 69820 41606 48560 08007 72434 11472 69709 55220 65256
45956 48922 85836 33884 24354 63032 000 000

9317/10484/11552 kHz, 13-08, 0530/0550/0610 UTC

135 135 135 1 3087 112 3087 112
79969 45551 46770 11448 11451 42844 49905 35077 01845 93565
36679 68973 42983 93155 65538 51330 56436 73372 92618 23302
13929 21626 78030 58562 10426 24397 56248 59018 56776 82472
14223 08256 00538 29537 97694 16902 47162 90733 84559 42298
40233 66777 76865 11930 64574 71259 88301 97992 69089 51918
53460 23796 61584 71902 41740 83217 71751 57013 37326 00489
31303 61095 31008 47326 65943 02393 77180 82612 83750 45676
87205 43928 55449 76301 44348 96912 87450 23697 91682 27020
99377 99519 02767 67504 00929 50572 28569 24565 15062 25238
57637 22818 18520 70520 30350 26971 81004 24001 29302 67636
96946 04229 90772 63263 23231 82004 13395 44245 76540 82124
89879 59284 000 000

11435/10598/9327 kHz, 13-08, 1800/1820/1840 UTC

938 938 938 1 1967 106 1967 106
27830 80200 74768 24178 76841 46502 29698 33833 67967 59415
47397 43261 86286 97247 42552 13738 79612 74492 92677 47501
00907 62931 04928 49983 26250 88073 14207 45656 32984 22146
76873 86947 48076 72692 88285 56682 80341 95047 26762 46311
31299 60337 24246 45126 33920 36258 66442 93563 71088 32512
20419 19211 79467 08392 25574 60594 33518 16104 17712 71860
14528 05698 04197 31002 62736 61546 30699 22935 55134 49365
72896 83442 72114 50361 72681 18563 34675 62739 89557 18356
96639 56422 77385 61707 37774 51837 28306 96355 29166 14874
26119 47724 79230 95762 27561 33358 93689 55207 66780 13374
04339 83204 91348 94354 20006 53023 000 000

12178/11578/10578 kHz, 14-08/16-08/21-08, 1210/1230/1250 UTC

155 155 155 1 309 100 309 100
08607 57288 92109 36656 85737 79258 24074 12475 49420 35424
53337 84913 09014 33649 43282 96758 87870 49125 95358 69190
02905 81555 01480 22979 36467 47191 69226 43907 20012 18870
74427 99090 87290 59021 86922 97731 33498 97204 49545 93480
21899 00645 78545 00073 32343 38205 90972 57199 19456 43375
67341 53078 61528 59950 97347 43665 42353 47342 72502 90322
11128 53580 20361 73055 27403 66858 47957 04211 54754 85520
64529 58266 43607 98045 71537 10086 07172 17336 89649 71010
12468 61148 09347 12540 26417 16176 62173 20193 52048 46565
45148 42543 29097 18141 44273 16412 42368 46484 72771 22248
000 000

15983/14683/13383 kHz, 14-08, 1400/1420/1440 UTC

963 963 963 1 9789 66 9789 66
64946 98197 90439 17313 78586 15216 30427 07536 67043 53352
83938 65781 89039 27599 66100 74140 66336 07914 38298 62336
55360 96261 96180 94836 55675 61538 93195 52380 45927 85843
68091 23086 76097 47341 43904 60652 03564 78607 82937 91829
36716 41693 65068 29418 00535 48812 68457 87022 09525 57175
80937 18357 14261 11450 92066 24016 43267 09627 62186 81060
35761 09296 93001 54182 99027 16090 000 000

12162/11566/10711 kHz, 14-08, 1700/1720/1740 UTC

546 546 546 1 2864 106 2864 106
77372 55206 03425 18289 26160 70745 90246 48251 03280 60281
21560 96428 38618 63019 83408 12363 72102 78483 64360 77357
47256 94834 23856 71897 60328 31311 32113 73479 71842 51832
81037 57659 29957 45754 25703 26505 70856 91677 20290 01520
12967 27261 95466 93206 95025 50162 34575 66887 41305 77465
28674 17080 71269 79964 00791 01739 73797 87853 45553 19157
73178 23409 92918 58391 25812 92997 38692 85510 31313 36555
04423 68255 55945 13143 71631 98375 12480 50711 63355 63059
19864 57349 95626 29310 55891 99928 40641 21912 22790 11735
82220 57629 45542 75370 18948 40844 29772 01967 77061 85000
54873 17535 82841 46881 21700 75965 000 000

11148/10648/ 9148 kHz, 15-08, 0700/0720/0740 UTC

161 161 161 1 348 100 348 100
02112 90307 85177 37686 41384 12105 69953 19870 33461 69720
97084 88060 23501 74928 15589 15009 94386 87512 96036 56353
77636 27595 99489 80655 20104 65717 60973 78638 91319 90450
63897 33040 80207 96607 88301 99717 33922 70553 98814 35393
06468 76299 54172 87009 25111 74415 23822 10097 13562 42433
20312 19470 22862 45534 39157 12413 02040 77811 50266 47247
79848 62802 42720 71035 80680 89648 52274 67986 41222 05183
65891 85153 83858 62438 41477 75474 11113 00673 14012 63332
49421 35257 67277 39804 65194 93469 35154 55350 46623 44819
55136 30527 39122 39316 02224 79677 52736 92312 35219 75725
000 000

12162/11566/10711 kHz, 15-08, 1800/1820/1840 UTC

546 546 546 1 7136 108 7136 108
81644 64804 37820 89041 78605 78868 36557 14340 40992 19407
36261 68149 16147 21532 98054 00953 28674 04334 63641 14865
60395 55918 43365 58684 96805 32605 29344 76536 04021 88048
03236 63613 02258 09493 99233 40131 57982 54970 02107 34215
70335 18042 80283 46775 49062 92090 40443 04191 26821 83753
14152 53077 94040 30762 85366 96397 42002 26393 78974 64985
10559 41626 53510 50000 30733 35586 81428 50930 61951 68455
94431 63612 63317 80478 71476 53521 77910 64048 14968 96963
93001 78274 41584 53973 64698 62191 01528 89248 51875 09527
61595 55036 07153 59055 14734 47753 36652 34302 89465 37889
38394 64776 87489 45245 18338 29650 28159 17450 000 000

14377/13461/12114 kHz, 15-08, 2000/2020/2040 UTC

317 317 317 1 5857 102 5857 102
22404 97359 76144 63812 51716 91245 98583 15427 44191 03967
71750 87428 88633 19635 04167 29802 03475 47977 64272 99650
17255 27115 76957 62654 76472 20157 04444 17560 53971 84569
90940 95505 83262 90635 62156 91926 20240 38816 13240 01055
57660 25314 94083 81292 96943 45980 14400 60613 72539 22100
15327 78237 79778 47974 67421 76509 01500 53216 53967 54385
53140 22648 23136 11429 73118 77133 02902 22635 80495 04653
26522 79335 80599 06237 76170 65761 96018 99486 33227 81271
87490 63126 38504 29055 72334 89665 93709 03272 44073 31180
08704 88251 94772 52200 63266 96559 93155 30225 91578 18106
19360 10218 000 000

15983/14683/13383 kHz, 19-08/26-08/28-08, 1400/1420/1440 UTC

963 963 963 1 163 90 163 90
71137 45184 21596 24846 83504 30408 64341 51494 70470 04371
67363 98004 59935 66566 57734 26373 26779 56739 91576 36812
38746 15755 75248 89651 91425 07585 77537 36960 54078 57357
95557 73619 78600 11803 63151 57889 68822 97759 59844 81249
43813 79529 99523 14785 70725 62954 99378 14492 39485 26734
49863 24172 06586 09926 91077 62867 62999 38698 60854 64412
77290 74551 17007 54603 98433 43104 30358 67272 24600 60613
76668 52906 43310 19467 95665 01595 80921 78658 45225 64904
88528 64205 43447 43224 60940 38631 11235 92581 12874 45887
000 000

11435/10598/9327 kHz, 19-08, 1710/1730/1750 UTC

938 938 938 1 7248 107 7248 107
80537 23361 42003 59336 11163 35312 67208 99035 40423 63750
64890 81952 04569 96610 71750 09134 49429 80636 40529 87302
58961 76402 06609 56402 50385 38515 91242 01182 68771 06939
73387 01370 40333 90442 99329 45895 70264 57849 14292 81333
90320 07696 22496 81373 63809 13692 42939 02210 05267 69254
23792 58814 94404 59945 12525 80326 13334 16279 64964 03504
25372 75077 91136 97933 79930 11912 50435 80464 54570 87431
36421 77528 33964 17399 08112 02743 79277 80747 13806 82623
07499 28362 18211 74100 19060 22501 60795 45800 60915 24114
30922 92825 30202 40099 99636 97424 97869 42748 27745 86051
47214 74286 19843 87334 82219 92234 82913 000 000

8047/6802/5788 kHz, 19-08, 18--/1820/1840 UTC

463 463 463 1 3840 100 3840 100
25028 18679 28300 23935 29721 35506 69844 60942 50329 91767
61964 97306 22271 79516 40576 40491 19388 23347 25278 75649
91542 06876 63079 36630 16068 55335 19400 66980 81066 20961
52890 24050 65969 16930 81540 04114 38647 63806 98102 41600
27655 55229 96016 74204 18624 78523 36309 46367 72090 51775
27481 22161 99218 12802 85348 58357 00615 27020 05363 04611
04329 17961 66627 44099 56151 60944 40136 31225 02524 38263
95977 25979 18120 57954 99469 90152 32597 75645 08469 72125
90990 32244 58398 30581 53094 55021 64176 85841 11526 51419
96940 98808 05828 97562 80282 62978 98052 27960 99150 88307
000 000

9317/10484/11552 kHz, 20-08, 0530/0550/0610 UTC

135 135 135 1 6501 106 6501 106
74749 73104 27576 40190 18060 65221 90765 40218 53513 77786
79915 12045 76933 59985 84882 04020 15911 11672 12058 42689
11690 14681 17972 12864 08671 55069 49713 57057 10505 07605
94116 29286 95017 89930 08302 72266 08592 69465 71342 98384
14312 72324 54237 10961 73986 90073 60236 40712 99303 42905
69064 76832 51061 20642 14544 64644 43281 86143 15889 75573
23157 89464 66117 97073 46396 18041 60472 68039 36684 39329
13471 49531 56365 53379 13966 23212 21039 22386 39818 02242
24690 47342 11212 56090 86297 00995 31792 93351 89688 99895
99853 29526 74183 84278 13581 19602 01090 04441 67195 32427
19620 28471 28247 49306 82288 35623 000 000

11148/10648/9148 kHz, 20-08/22-08, 0700/0720/0740 UTC

161 161 161 1 8709 96 8709 96
10590 82746 68172 34428 97467 35783 99969 61346 68435 50507
90903 84483 88979 50296 08463 09348 27341 06015 59509 10580
51678 28653 26741 72528 38550 02772 59301 87202 78073 70906
88550 92860 42912 66534 85777 05095 28007 02802 30691 48465
43586 26976 50685 25686 44481 61698 09158 37952 52667 40682
33637 31543 92571 51123 99702 89876 70517 66158 76286 32036
43777 52914 72023 15763 47732 17372 92022 80192 64564 77376
94422 59910 42477 39707 76171 95514 23534 49486 30621 14697
57196 50509 69746 64680 77142 74525 32560 50579 27577 57393
83675 41724 21458 93067 75096 56175 000 000

11435/10598/9327 kHz, 20-08, 1800/1820/1840 UTC

938 938 938 1 4373 109 4370 109
00285 36400 13109 75576 04397 80469 01730 77634 01103 20796
29775 57206 22710 05702 08135 83264 83596 14084 94571 84092
62676 37416 25567 87749 54852 52416 42247 56832 39922 49992
16607 24141 13242 92182 29416 55638 62485 76275 15311 97592
27170 22531 67764 98394 39420 65206 89615 81782 40858 38771
13648 32863 70572 70605 71560 20836 87585 53122 62045 45131
21713 07946 24494 95726 39489 50016 79523 60445 73669 28095
88868 37918 96889 38267 91279 92887 69057 80840 91255 15865
35416 75178 19031 05310 30858 78728 44124 04889 28159 90935
51662 37839 98993 68790 57417 49269 79363 27401 35590 39112
02939 86487 35232 95261 93787 91513 47049 49075 52637 000 000

15983/14683/13383 kHz, 21-08, 1400/1420/1440 UTC

963 963 963 1 163 90 163 90
71137 45184 21596 24846 83504 30408 64341 51494 70470 04371
67363 98004 59935 66566 57734 26373 26779 56739 91576 36812
38746 15755 75248 89651 91425 07585 77537 36960 54078 57357
95557 73619 78600 11803 63151 57889 68822 97759 59844 81249
43813 79529 99523 14785 70725 62954 99378 14492 39485 26734
49863 24172 06586 09926 91087 62867 62999 38698 60854 64412
77290 74551 17007 54603 98433 43104 30358 67272 24600 60613
76668 52906 43310 19467 95665 01595 80921 78658 45225 64904
88528 64205 43447 43224 60940 38631 11235 92581 12874 45887
000 000

12162/11566/10711 kHz, 21-08, 1710/1730/1750 UTC

546 546 546 1 3306 112 3306 112
57597 02678 06148 60580 76374 31587 53014 07196 66663 12288
18721 84744 87803 75007 89513 10742 08795 65805 60658 98626
61109 22680 87313 90846 27040 82033 23476 96693 39907 96428
90264 91601 02257 52554 33803 27071 17844 10837 79583 06422
61985 51121 11980 24715 44186 37072 63754 97998 09525 60670
68267 29112 71305 73440 44825 58900 21276 70171 06870 85568
26275 10912 39819 68537 62620 86026 93247 68424 70058 07683
09191 00977 49742 06433 84390 51149 09286 01327 68749 73527
32355 55295 89577 47871 93166 96992 26866 76630 49478 73974
04718 01786 96272 20819 80577 09479 57251 78685 69871 86746
64776 99037 07980 14755 44953 82758 32903 10481 77205 99969
49192 25147 000 000

12162/11566/10711 kHz, 22-08, 1700/1720/1740 UTC

546 546 546 1 2291 107 2291 107
50698 42458 95361 37773 27580 65547 60887 06952 02069 17841
27140 74891 86072 96490 77152 06998 97034 98379 68033 32340
52943 55620 15902 16623 02794 97828 83583 68699 32168 09001
75009 25904 77432 70066 39739 80013 07701 23481 18642 68840
08347 87601 14864 09329 45155 53213 02502 13332 56379 60901
74655 47882 45571 99742 66094 82459 54295 55047 35408 00559
62475 14717 23297 02616 48369 11914 86862 39444 18975 02437
74385 88883 94579 54673 17275 59518 86636 42903 40605 62289
56796 91639 93795 28205 34539 00118 26712 28666 26614 13752
80236 10406 80456 25562 31532 78488 63699 24441 24607 11041
57029 64809 26619 53564 81140 95551 57063 000 000

12162/11566/10711 kHz, 22-08, 1800/1820/1840 UTC

546 546 546 1 3493 113 3493 113
00957 71280 80607 20852 51379 83030 26753 37853 39865 99597
82674 86168 30887 22073 51229 53629 98161 00014 65269 21992
68852 69389 50979 59167 22826 99526 33792 09544 06229 65474
39310 49582 74015 13959 53716 50630 35883 30597 04717 65077
36878 02154 43189 26281 17079 06640 99957 76092 18043 62925
93256 55088 46744 54601 55250 27642 86381 67491 25218 51597
26809 30653 78659 72838 80699 03164 11770 18397 60964 39611
33219 29919 08901 51848 89961 70046 07951 89578 19196 81848
10133 33692 19458 28483 65166 87993 52664 05618 42556 25614
96001 59574 64766 93707 72208 49694 31753 82558 10961 05987
88536 64917 63521 46227 78226 73588 90725 55487 42382 75656
32610 05369 38037 000 000

14377/13461/12114 kHz, 22-08, 2000/2020/2040 UTC

317 317 317 11962 103 1962 103
10365 98565 86171 64864 17666 10631 30001 20562 22486 46351
36331 34684 81141 86068 58141 83703 47028 66787 84724 00078
85665 45912 07650 01954 19190 11900 73014 81364 17567 07213
91426 94664 36805 76401 87213 33529 48761 68754 44720 58410
42104 28392 58479 48298 88957 39007 59425 17618 75838 60025
66421 53531 37217 63217 71110 30670 39841 94200 81305 02651
27848 44317 46827 39708 21118 58160 03058 60366 41025 23131
05679 15653 63607 16340 36133 10866 26750 56356 13720 04953
69727 43338 16080 05101 42779 98832 60320 28575 13975 43810
52949 32938 55001 03788 10440 03004 69627 41937 98290 63854
16039 58438 91782 000 000

8047/6802/5788 kHz, 24-08, 2000/2020/2040 UTC

463 463 463 1 1055 91 1055 91
62840 72061 08795 28983 82413 46683 26482 67308 43923 56331
07081 48716 15228 34869 44809 52178 82373 55568 80246 81649
07647 59096 16928 82593 89280 41330 45777 05897 54506 10968
55711 15833 45692 59247 23517 34128 31754 88566 57563 08680
27585 20547 63649 28044 73671 58886 57316 56802 72180 21071
27142 91770 32772 80483 5900H 51879 37074 75986 49108 55451
17235 26077 83986 61034 30529 68021 97267 64711 05118 19332
35117 01038 46757 00300 23813 79438 75707 46186 54326 47537
06239 96970 16651 99783 49445 70549 03068 02407 76484 87816
50703 000 000

11435/10598/9327 kHz, 26-08, 1710/1730/1750 UTC

938 938 938 1 8325 108 8325 108
57462 02120 77585 77796 78534 10730 90174 09885 89993 59293
24007 55765 13382 44042 70634 66791 26973 25388 26711 61314
77046 16570 71441 30738 52255 23807 62749 77846 65173 64894
17909 84209 80918 89309 49094 60482 93675 08178 34299 41665
87929 14696 48312 75695 61156 33317 29333 60202 93712 05374
20776 15413 82554 07222 56164 84079 23029 40378 05440 47124
45686 93866 66165 65068 26433 02917 60234 06704 29969 21336
21158 38769 43943 67154 36385 43319 94661 08314 31059 83779
91924 14686 97278 13522 30025 55228 88834 52745 07419 48945
25959 15544 34923 99748 42302 11292 28861 93762 93003 79474
30666 96542 33903 23283 72206 12983 61156 03362 000 000

8047/6802/5788 kHz, 26-08, 1800/1820/1840 UTC

463 463 463 1 3981 95 3981 95
15329 18858 28223 36649 28876 26789 41520 63741 27802 96320
43061 84955 15629 83816 76305 51731 74677 69945 31713 48170
59153 40528 28804 27971 15041 38408 93678 90566 49044 48423
45530 67908 84820 49833 02279 62651 22269 81969 93275 89191
95704 53166 54092 08702 20182 87702 53023 82064 61619 70870
17362 79463 19159 20319 65935 98199 37532 74310 46695 97101
74234 91111 53105 18129 93469 03674 15351 01420 78622 30606
31111 24565 16534 55303 55853 73118 84346 01255 63780 04955
86337 53198 79411 22264 05214 98423 08349 66030 77357 50122
10527 57713 60334 34539 68529 000 000

9317/10484/11552 kHz, 27-08, 0530/0550/0610 UTC

135 135 135 1 6763 106 6763 106
53408 78246 79056 68520 79689 27068 41462 69724 18061 23418
74569 07264 01272 39905 78714 60378 71868 06154 70777 18383
60217 77906 26023 66119 19435 90708 20279 83514 87731 36212
37096 67473 03568 50354 03257 31216 59849 22177 49999 01879
69031 39918 62815 23341 94661 57720 42805 22068 63751 86149
44894 60326 28568 76426 99488 21543 57157 19532 48830 86485
71142 43849 87341 75987 10284 86353 74296 31219 42325 21378
14056 09996 14771 35083 40188 54382 74664 24995 24761 28636
90015 40599 21518 71576 79006 59346 38859 16497 32313 83927
78497 63393 27195 59350 16760 75690 31763 15146 87590 47848
07086 45783 30376 46860 00538 75704 000 000

11148/10648/9148 kHz, 27-08/29-08, 0700/0720/0740 UTC

161 161 161 1 120 90 120 90
05480 64396 66521 33479 44767 10041 02332 60518 55452 57843
38619 43261 47176 47637 09917 98611 40772 83280 85274 37421
04561 77961 25579 50636 25973 98163 81361 13368 29878 04638
19253 76072 58073 22123 79950 83321 35572 28716 41120 99522
53955 35074 58289 85742 16993 63546 44483 80082 75191 90620
85962 30258 37562 42698 07609 09126 17791 56906 38700 45216
23642 33025 28833 77933 16435 54128 70014 84073 33437 90827
45827 93843 09486 65671 25015 35890 66275 62515 05953 74384
72459 58293 24354 39584 76322 70316 22914 50813 33432 18442
000 000

11148/10648/9148 kHz, 27-08, 0700/0720/0740 UTC

161 161 161 1 120 90 120 90
05480 64396 66521 33479 44767 10041 02332 60518 55452 57843
38619 43261 47176 47637 09917 98611 40772 83280 85274 37421
04561 77961 25579 50636 25973 98163 81361 13368 29878 04638
19253 76072 58073 22123 79950 83321 35572 28716 41120 99522
53955 35074 58289 85742 16993 63546 44483 80082 75191 90620
85962 30258 37562 42698 07609 09126 17791 56906 38700 45216
23642 33025 28833 77933 16435 54128 70014 84073 33437 90827
45827 93843 09486 65671 25015 35890 66275 62515 05953 74384
72459 58293 24354 39584 76322 70316 22914 50813 33432 18442
000 000

11435/10598/9327 kHz, 27-08, 1800/1820/1840 UTC

938 938 938 1 5904 109 5904 109
65950 15611 71675 16340 09674 71165 37508 92432 95538 24780
14946 60518 97161 48946 56881 86390 05576 46056 63096 99293
39867 03021 97076 30390 33520 91668 86250 71351 82578 50267
66599 81462 69528 97232 36554 23518 43120 61253 16410 60986
15180 59503 08293 05401 49503 77935 41904 28555 39049 98588
91004 73906 77210 97063 12277 18851 06136 50793 56535 03884
38354 01592 86681 86013 11109 22807 35121 42751 98286 07769
32760 76475 59147 32563 19893 66886 05288 14128 20657 52882
49283 16096 55774 61064 40390 63086 50410 68054 61451 11404
62899 07202 95620 52239 07676 17995 04362 42790 39098 23525
52801 31093 85831 64059 31703 56607 12163 33189 29348 000 000

12162/11566/10711 kHz, 28-08, 1710/1730/1750 UTC

546 546 546 1 5564 105 5564 105
59174 49092 36051 34752 69012 25863 32871 47525 20164 92034
53002 46032 55613 66037 73268 52306 45975 68158 23089 11098
22636 99217 31792 29820 00531 67709 68377 90363 92128 13007
21321 35492 69220 33992 90615 50940 12524 90185 27503 13834
34397 91236 98860 70970 29441 00360 93033 05112 33706 23243
30959 94052 51786 62893 91342 12045 40074 71412 35067 32803
73351 21932 00890 81118 61908 22077 07858 51247 79001 76914
78040 99099 09833 85101 48738 32419 20351 29697 41628 01833
05001 44111 13568 22923 52684 27353 07558 41909 55497 68341
83597 87950 23366 31101 84383 52805 82184 13640 56372 57507
78580 47293 03110 65631 70464 000 000

12162/11566/10711 kHz, 29-08, 1700/1720/1740 UTC

546 546 546 1 6114 109 6114 109
32552 28185 89469 57751 14225 91262 06282 92291 93327 42101
76557 13196 97159 40879 49624 20763 14741 59958 25284 30072
45985 88718 47912 08386 21545 78831 69836 09017 16955 39244
36337 14908 28800 82484 75834 91222 69682 89881 51513 14868
68932 36219 19567 80447 47039 01257 56800 35039 86599 33998
76272 81674 82338 29426 87206 23210 98295 24490 20246 07385
92743 81266 22189 54501 00182 99042 18298 87601 76271 06107
24769 27319 63028 31926 99402 39061 47339 92810 91204 02957
25015 24658 55210 47681 82826 18323 56954 99532 41520 81989
05747 09025 26530 97145 54555 98606 94258 24331 41567 62078
30633 72459 08578 87673 72108 13141 99239 02534 78595 000 000

12162/11566/10711 kHz, 29-08, 1800/1820/1840 UTC

546 546 546 3701 107 3701 107
58927 70118 54639 63714 99357 54181 93822 38806 06065 62877
07268 32030 35179 97641 66033 10721 09679 33199 05175 35748
70329 00681 68271 61085 76838 29372 93858 70761 19263 22002
57307 09736 29370 15576 58298 45326 08835 04818 94163 72521
36128 66011 63581 00505 21969 54917 31924 65761 08742 29712
36552 21432 59943 56079 33404 39289 19895 34158 12024 44250
79127 75274 86893 73287 30261 54888 44379 99526 58143 79957
24959 57378 93375 14171 52711 94290 51708 44107 59368 86473
42111 61781 82886 62347 58578 13731 24430 62079 96295 10195
96794 24352 32294 07029 65445 87133 22224 44466 79964 61977
52505 64161 19697 72123 94694 92053 84284 000 000

10314/9114/8014 kHz, 30-08/31-08, 2100/2120/2140 UTC

310 310 310 1 483 120 483 120
82376 29394 04941 09547 18512 27154 43805 97059 37823 20177
59865 21133 29169 64958 31830 87945 11677 63873 40058 02668
64819 20945 09024 13775 76676 95731 89998 64401 12089 65397
81383 59958 02219 98976 78541 64688 47137 77500 73255 85972
50715 76945 31907 94426 26342 01033 24644 71672 35609 72909
28001 96619 61768 79994 14994 47740 60324 87724 97544 57087
29744 54330 93694 13871 57697 62225 29435 77808 08122 03200
81561 93736 55571 84909 54434 05286 29333 95540 42736 97872
60223 13384 54079 53483 83605 77894 39381 70274 35381 73178
78473 26817 05544 63763 21171 44071 74585 43785 32747 46316
06654 23987 85156 82233 06269 91541 34742 50226 18975 59779
75262 18818 34048 27685 68504 42541 92077 59958 93011 24545
000 000

4730 kHz, 03-08, 0800 UTC / 4650 kHz, 03-08, 0900 UTC

735 104 104 40 40 = =
 55511 99059 21202 43433 56545 67656 76787 89878 98909 09876
 12321 54333 67656 45456 12345 54321 13579 24680 08642 97531
 09890 76567 43234 21232 21636 14888 22810 98765 21232 21636
 54354 34343 56778 88909 07799 12343 23212 22571 78909 55454
 104 104 40 40 = = 00000

4730 kHz, 10-08, 0800 UTC. Errors in the first transmission.

523 101 101 40 40 = =
 12345 45678 09890 78956 23456 09909 57678 91234 45678 90876
 54321 11122 22345 44556 76543 12567 899995559 59887 95887
 00678 08976 34567 45678 98765 89765 09097 12345 56787 45645
 67678 98988 23456 67890 09876 76766 87788 12356 123553553577653
 553565565655 7865 58654
 = = 101 101 40 40 00000

4650 kHz, 10-08, 0900 UTC. No errors in the second transmission

523 101 101 40 40 = =
 12345 45678 09890 78956 23456 09909 57678 91234 45678 90876
 54321 11122 22345 44556 76543 12567 89999 99887 00678 08976
 34567 45678 98765 89765 09097 12345 56787 45645 67678 98988
 23456 67890 09876 76766 87788 12356 34578 76543 65655 78654
 = = 101 101 40 40 00000

6856 kHz, 13-08, 1820 UTC

163 123 123 38 38 = =
 23456 56789 09098 87876 98890 67890 08556 43214 56712 56890
 09981 23142 45676 90801 09087 99887 65430 12356 89970 75432
 12389 00998 56876 76754 88654 12544 44556 76766 87789 09921
 32145 45321 56789 09921 31245 12367 85859 (67899) 95654 (55654)
 = = 123 123 38 38 00000

Different repeats between brackets

4730 kHz, 17-08, 0800 UTC / 4650 kHz, 17-08, 0900 UTC

523 102 102 35 35 = =
 78787 65456 43543 00888 14889 15123 54321 23456 78078 60178
 21636 22571 21232 78767 09800 67890 13119 27019 07030 12345
 09876 98765 23212 00900 43234 22313 45454 09876 67890 99890
 12345 54345 56765 89098 00777
 102 102 35 35 = = 00000

4730 kHz, 24-08, 0800 UTC / 4650 kHz, 17-08, 0900 UTC

523 105 105 30 30 = =
 77781 45671 11331 49091 66714 88761 56781 00812 75413 99761
 86412 77451 51809 13109 01077 66901 79312 13130 23439 77634
 89077 23239 55801 45614 18998 14145 18190 22816 14880 32145
 105 105 30 30 = = 00000

6860 kHz, 27-08, 1820 UTC

163 123 123 38 38 = =
 23456 56789 09098 87876 98890 67890 09876 43214 56712 56890
 09981 23142 45676 90801 09087 99887 65430 12356 89970 75432
 12380 00998 56876 76754 88654 12544 44556 76766 87789 09921
 32145 45321 56789 09931 23789 12367 67899 99654
 = = 123 123 38 38 00000

5938 kHz, 28-08, 1920 UTC

417 123 123 38 38 = =
23456 56789 09098 87876 98890 67890 09876 43214 56712 56890
09981 23142 45676 90801 09087 99887 65430 12356 89970 75432
12380 00998 56876 76754 88654 12544 44556 76766 87789 09921
32145 45321 56789 09931 23789 12367 67899 99654
= = 123 123 38 38 00000

4730 kHz, 31-08, 0800 UTC / 4650 kHz, 17-08, 0900 UTC

523 674 674 42 42 = =
90635 25146 78456 08726 14267 84561 32542 67231 46231 24741
83416 90563 23167 74261 89561 67231 35279 90532 36714 54801
42671 89261 36109 47210 90563 63289 70461 27362 86378 51280
90463 21452 64720 85713 80451 67341 25389 80562 67341 22567
78231 45279
674 674 42 42 = = 00000

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

6421.5 kHz, 06-08, 1651 UTC

=991951??8????? =991952??8????? =991953??8?????

7249 kHz, 07-08, 0617 UTC

=990921??0????? =990922??0????? =990923??0?????

8576 kHz, 07-08, 0631 UTC

=990931??8????? =990932??8????? =990933??8?????

8747 kHz, 09-08, 1758 UTC

=99?2058?9????? =99?2100?9????? =99?2102?9?????

8747 kHz, 24-08, 0430 UTC

=99?0730?9????? =99?0732?9????? =99?0734?9?????

6843.5 kHz, 24-08, 0448 UTC

=990748??0????? =990749??0????? =990750??0?????

6440.5 kHz, 24-08, 0452 UTC

=990752??8????? =990753??8????? =990754??8?????

3691.5 kHz, 24-08, 1510 UTC

=991810??8????? =991811??8????? =991812??8?????

6440.5 kHz, 25-08, 0729 UTC

=991029??8????? =991030??8????? =991031??8?????

6990.5 kHz, 28-08, 0753 UTC

=991053??8????? =991054??8????? =991055??8?????

4582 kHz, 28-08, 0823 UTC

=991123??0????? =991124??0????? =991125??0?????

4385.5 kHz, 28-08, 1251 UTC

=99?1551?9????? =99?1553?9????? =99?1555?9?????

3691.5 kHz, 28-08, 1308 UTC

=991608??8????? =991609??8????? =991610??8?????

8576//8606 kHz, 08-08, 1606 UTC. Time marker and tracking data

=991906??8????? =13126378781905 =23126901840227 =13124378507405 =13125378607205 =991907??8?????
=23124801050715 =23125801060715 =13126377881906 =23126901940203 =13124378702106 =991908??8?????

8576 kHz, 09-08, 1755 UTC. Time marker and tracking data

=992056??8????? =17476378707500 =27476701100100 =27476701100100 =992057??8?????

8576 kHz, 09-08, 0605 UTC. Time marker and tracking data

=13154378509904 =990905??8????? =23154901090810

M22 - 4XZ

6607 kHz, 30-08, 1559 UTC

VVV DE 4XZ 4XZ = =
EL8F NR 317 TO NR 717 QQL = =
SB7M NR 227 GH GR 42 = =
OK0Q NR 127 EP GR 32 = =
MT9W NR 027 BP GR 22 = =
SB9W NR 917 UC GR 12 = =
SB7M NR 817 RC GR 02 = =
EL8F NR 317 TO NR 717 QQL = =
SB7M NR 227 GH GR 42 = =
OK0Q NR 127 EP GR 32 = =
MT9W MR 027 BP GR 20 = =
SB9W NR 917 UC GR 12 = =
SB7M NR 817 RC GR 02 = =
EL8F NR 317 TO NR 717 QQL = =
SB7M NR 227 GH GR 42 = =
OK0Q NR 127 EP GR 32 = =
MT9W NR 027 BP GR 22 = =
SB9W NR 917 UC GR 12 = =
SB7M NR 817 RC GR 02 = =
EL8F NR 317 NR 717 QQL = =
SB7M NR 227 GH GR 42 = =

VV DE 4XZ 4XZ = =
TR AR NW QTC 1 NR 227 = =
NR 227 GH V GH0Q 317103 SB7M GR 42 = =
SMSMS KZMXS JICIZ JKKTB INPKN WKADB TGMAU IIUIO TRBES LIWYH
WLXOX WMOQB PQHGJ KAFBX CLXLY HLEMM ZTOOP COJIH HSIUF OUNTZ
BNLED MYBAG EYRQN KZJXS = =
NR 227 GH V GH0Q 37103 SB7M GR 42 = =
SMSMS KZMXS JICIZ JKKTB INPKN WKADB TGMAU IIUIO TRBES LIWYH
WLXOX WMOQB PQHGJ KAFBX CLXLY HLEMM ZTOOP COJIH HSIUF OUNTZ
BNLED MYBAG EYRQN KZJXS = =
NR 227 GH V GH0Q 317103 SB7M GR 42 = = AR AR

VVV DE 4XZ 4XZ = =
TR AR NW QTC 1 NR 127 = =
NR 127 EP V EL9W 117103 OK0Q GR 32 = =
OQOQO ZMYUM MNZGG DCOQC FUZQA RFGZZ MMSGX UYFTH MWBJF KHYKD
OUCFL MSBJG EUBRK ZWOPJ TLWIG FUEFG TEXGK XBYEJ BRAZC XRWUY NEIES
FEJXT ZMYUM = =
NR 127 EP V EL9W 117103 OK0Q GEN 32 = =
OQOQO ZMYUM MNZGG DCOQC FUZQA RFGZZ MMSGX UYFTH MWBJF KHYKD
OUCFL MSBJG EUBRK ZWOPJ TLWIG FUEFG TEXGK XBYEJ BRAZC XRJUY NIEFS
FEJXT ZMYUM = =
NR 127 EP V EL9W 117103 OK0Q GR 32 = = AR AR

VVV DE 4XZ 4XZ = =
 TR AR NW QTC 1 NR 027 = =
 NR 027 BP V BE8B 907103 MT9W GR 22 = =
 MWTWM PBQQQ TWJNW PQFEI ESLFZ YGSFQ TSBCL QDTZR NCCFA IBEFX YXJLA
 GHRCX WBHEG WJHJN BPWRL GOYBF BCRSX XYGQK NRYPI KGZKJ TSLZZ PBQQQ = =
 NR 027 BP V BE8B 907103 MT9W GR 22 = =
 MWTWM PBQQQ TWJNW PQFEI ESLFZ YGSFQ TSBCL QDTZR NCCFA IBEFX YXJLA
 GHRCX WBHEG WJHJN BPWRL GOYBF BCRSX XYGQK NRYPI KGZKJ TSLZZ PBQQQ = =
 NR 027 BP V BE8B 907103 MT9W GR 22 = = AR AR

M41 - Russian Air Defence Forces (Boйcka ПBO Voyska PVO)

4134.5 kHz, 28-08, 1233 UTC

VKM8 wkg 7 outstations QSA WZD QRJ ?

M51 / FAV22 8ème Régiment de Transmission

M51b: 3881/6825 kHz, 22-08, 1037 UTC

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

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

PAKDF DBWHQ AJNKK WLAMP LKIOU GBDHS ZTQDW XVSHZ AHJAJ WJSUG
 OALKH BCFVG DGXIU ZJFKA WJQKA UJHWK QLAYT 36281 XNSHQ AJKAW
 LAGHD LSJQU ZUTGS XVCKS WBQKA UJQKA WBDHS 36810 XNCJQ AJWKA
 KQHAU HNDJS XNWJQ AKLQO APMUT DBCHX WNSHE 37856 QBWAH JQUAG
 LOUJG BCHXT DGSUA WNQJA UHDSG XVCJQ WNJKU RISKZ QKLAY BVXHQ
 KJGFD XWBS 18738 SJHTG 26748 WNXBD QGAUJ QJKLI OLAYT DGAIM
 MLSHQ VXBDG ETZFS AHBWJ BXJFC SJKUQ WNGBD XCAUH QKJAY ZTDKL
 QMAPO IKJNB VCHDT 46893 SBWNG QHAJY HDGST ZBXJS WJNKL QMAPK
 BNHYT UJGRD CWVZU QNBHJ AKQLI OJIUY DHVBC 46207 DHBCJ SNXHR
 SJAKU KQLGN BVCXD WBSGR SJAGY 35276 BXHDG RTSFZ WXQCA NJKQG
 WNVGR 76354 //653 SGBJC SKAUH WBVDG SNJKQ AUJGF CBXYR SHAOL
 QMAPK UJBHG XVSFZ QHATG XHSUJ WBSGZ 37549 NXBDG QJAUH XVCJD

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

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

DHIQU VCGSH PELEO XAQEZ NCBDG MVNBT PTOTI BVNVE SWREG 02589
 NCDIE .,VA'AR NCBDH MNLHK CXSDW ASQWE CVXBW LGRPO CBHYW NVVNR
 45896 BCSHW .,?' / BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKED
 VXSGW 47896 VZQAO .?,AS' MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO
 CDWRE NNCJE 74302 BCMAK .,/'= NVBXC NSWPO NDEYJ DJKET AXZVS
 NVMRU LDPEJ WRSFU 43269 BCCPW ,AS.' / KDWIC SNSJW VZWPO LFMKR
 DREGN MCEIS MCKDO AFQTH 01658 CAQMK .,? / NCYWP ASQEZ NXHWY
 BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 VXQAU ,/?,' MVLPE QADTD
 NDJEI CVDBE FKEIS QEAFY CBDFW VFLPE 41203 CXZBA =.AR'? ASQRV
 NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX MXWPO .,.' / CZPLO 58023
 SNHWY BDGWT XWEUD MVLEO XWTCN ASKEO DGETQ CBNSK 41123 LMPOI
 ?.VA,' QPALO BCGEY MXNWU VCHWI MVLRO SDQRA XZSBV DMLGS .,?' /
 CXABQ 39856 VATYW IDOPW VXCZB LPFDO

VZFTW BCGDJ AZKIW NVBDH POWIU DKJSI ALQOP BVNXM ZLODU 24890
NVHDU AS?=., BVNSJ SQOWI CBSNK LAPWI CNSJW ZXSLK SAOMS CBSJI
42036 MVKPR .?/,AS LDOWI ZANDJ AQIJD CNBSH NXXAO LAOIS KDOWA
XAMLK 17896 XASQE , 'VA./ ZSISJ WPLDI JDJWI XZMAK DWIOF BCHSJ
MALLO CNSHW 45309 CZXSQ ,VA',AS ALQOJ VXBZJ ALSKI DLWPO XMZNS
KDSLP WIDAM JAMER 18973 NFHRU ./,?VA LAOSW JDIWH XZNSJ BMNEO
RITOF WEISJ SLWOD CBZMA 32698 ZXAQS .,ASVA. XZMSN JDGHE DHWIL
APQOW CBAJW MLKSI ZXNWB DKOLP 78512 LMKHO ,VA.?/ AQPWO CNDJW
ANDER MORN I PLOFE XNSIW AQOKS XBNWI 98652 ZSAEQ ., 'VAAS MAGDA
LORGH BIDUL WERTY ALPES XCBWU AQKDI NCHSI ,.?'/ NVBDG 48502
AQPOL CMVNE WJCME SWERP LFKHL VBCNW AQISG CBDNI 30258 MBLSO
?.',= VNMRO FKSUW LDPIE XAZSQ NVHDU WOFLF LGPAM CLDPW CXAWS
10589 MCNCH .,AS'? VCGSH KGIEO LPSOI

etc. etc.

M51a: 3881//6825 kHz, 22-08, 1130 UTC

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

JEUDI-LEÇON NUMÉRO 24-2/1 VITESSE 840 CODÉ =
GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF
TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL
UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ
WBCVX CHF DY ZUJAK 28678 JSKZI WGPCZ SKLQB WNDHR ZUYHF OKSLZ
WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR
10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ +

JEUDI-LEÇON NUMÉRO 24-2/2 VITESSE 840 CLAIR=
GRACE AU NOUVEAU GABARIT DE L'AUTO, LE VOLUME INTÉRIEUR ÉVOLUE LÉGÈREMENT. LES PASSAGERS ARRIÈRE BÉNÉFICIENT D'UN PEU PLUS D'ESPACE AUX JAMBES. QUANT AU COFFRE, LE CONSTRUCTEUR ANNONCE 30 DM3 SUPPLÉMENTAIRES, SOIT 380 D M3, UNE CAPACITÉ SUPÉRIEURE À LA MOYENNE. MAIS, SURTOUT, UN PLANCHER MOBILE DE COFFRE PERMET ENFIN D'OBTENIR UNE SURFACE PLANE UNE FOIS LES DOSSIERS ARRIÈRE RABATTUS. +

JEUDI-LEÇON NUMÉRO 24-2/3 VITESSE 840 CODÉ =
PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
YHDKZ WBXVF CJERZ QJAKO MLDHB NBJU 67354 IKDHX 65372 NWJAL
PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON
PMFHC VXJZI SKAPL NXJFY WCXFB SHZYU QJAIK 76491 NVXBF YHFKC
PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
OLFHR VXBSY 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD +

JEUDI-LEÇON NUMÉRO 24-2/4 VITESSE 840 CLAIR =
UN ESSAI SUR NOTRE BASE DE MONTLHÉRY A ÉTÉ L'OCCASION DE POUSSER CE LUDOSPACE DANS SES DERNIERS RETRANCHEMENTS. IL TIENT LA ROUTE! IL FAIT PREUVE D'UNE BELLE STABILITÉ. NOTRE TEST DE L'ÉLAN, QUI SIMULE. UN ÉVITEMENT D'URGENCE À 90 KM /H, A RÉVÉLÉ QUE L'ARRIÈRE RESTAIT RIVÉ SUR SA TRAJECTOIRE, IMPERTURBABLE. BIEN QUE DOTÉ DE FREINS À TAMBOUR AU TRAIN POSTÉRIEUR, IL AFFICHE DES DISTANCES D'ARRÊT COURTES. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 22-08, 1332 UTC

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

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

JNDHE VXGST AUZRS QVWGS ETZYA GFVCH SNWJU AIKSL QOLAP QNBWH
 SGDTE IKJHF BCGFT 34265 89106 XBDGE SJNWK QKAOL QNHUY UJIHY
 NBCVD XGSTZ ATQYA WHBDU ETSTR DKDKS BXJEU SJQKA ZIKSO KQLAP
 NJKSF XGDTX WQHZ AHUGF CJNDG ETZUS KQLAI NCHDY XCDGE UJFGE
 26479 CGDFE XHQYE DGXUZ AJNHD XCSVJ SHLOQ ALKIJ NHYRT OLAIK
 NCJDK SLAPM NHDJF CGVET SHQUZ NXJSU AIKSH BCHDU ZIJQK LQMAI
 NCJDG FVCBX WNQJZ SJAUY 46528 JSUEY SGQSA 27845 AJNDH IKAOL
 WXCSC QMAPL NKCXB DGETS AHSUE BXNWJ SHUTE DURYH FGCXV OLAKJ
 BHDGR XGSUK ZRWBC VHFUV CNXJF GUJRT DHXUE SJZKS XBWJQ IKHTG
 VSDQH ZUJAY VXBWG 42763 89210 75648 HDBXF RVCHS ZUHJQ OLDGR
 BCHSU YDTFV CVXGD SHGVC BXNHA XHWUE ZJSKQ HTRGF BDHVB IKHBG
 CHSTR DFSTF DGERF ZYSFW XGDCB QNAJH CBDUJ RTDGS WJHUY

CXVDG SHQJA WBQJA NJKIU RTSGZ QHAUJ QNWJE ZUJAI QLAKP MQLAO
 YTGFT 45287 EHSGA WBSGQ WJUKL AMPLO QNJKU WNHET SGQHZ AJUHS
 67489 18624 ZBWCV QNAKL QMAPL KJSGR XVWBS QBAJH WNQJU NWHUJ
 AIKOL QLAMP KIAUY WBSGE WJQUA IJAUY QKAOL QMAPO LQORT DHXVZ
 UJKQG AYTGH WBQHZ SHAJK QKALP TRZUI QJKAM BXVSC WHQKA KLQPM
 LKAYG 56387 XVSGA WNQJA KLQMA JKQLE ZUHSJ APLOK WNBGF DJSKA
 KLAMJ BHGCV XGBWH QJAKI YHDUR STZGA QHBWJ QJKAU YTGHD 46287
 KLAMP JKQJH BCFVG XNWBQ AHJKU RTSGA WHNQK SJAUY QKALM PLKJH
 QNBDQ AVWHJ QKALU YHFG 38721 AYOPM 90176 XVCHF WBQNJ ALKAI
 OLAPM NCBXW JSHTD QJNHG CGFTR AJKHU QKALP MLKAY DHGST HQJAU
 OIAJN ETDGS WNQHA 27654 QBWND AJZUH DGQMA HJQKA IJNHY CGDHS
 MAPLK BXGDT 19873 5A176 NXVDG SHAJK LQMAP HDGTU

etc. etc.

M51b: 3881//6825 kHz, 22-08, 1400 UTC

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

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

FVXGQ AHWJQ AJKQL AMPOU HNXJD SHWBD RTSUA JQIKD XHSIR ZUQYH
 CWVQH AJNWK QLAKU 45723 ZUJDG XVWHQ 65107 DGSHA BWNDG OLAUH
 BCHDF XVVHS QHUYR DGXHS MBQHZ AJKQI BWHDR 54738 UJGBV XGDRE
 IGQHA WHNQJ AIKOQ LPAUH GDVXR DFCXH WBSHQ JAYHF OLHNG CBXHR
 46538 19053 SHBXJ QNWJR ZYHSU AKQLA OLPQJ IKHGT VCBHD JSKQL
 EUJHL QMLOK NWHDF SGQHZ AUJDG SKQLA NJFGR TSYQH WBCHD ZUAHD
 45376 ZUHSK QNVHF BTDFS WCQUA IKJKL AMPNH VXHDR QGWHE ZYGSF
 WCGQB UJQKI 35271 BWJNG CBXHR GBXCP QHAYT 35271 GBWHQ JKALP
 MWBXH DGVXH ZYHSU QJNAW AUJGT AJGV 67013 47282 HBXVC WNQJK
 ALMPQ JHYTG DFSVX WNHQU AJKMQ

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

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

GDJSF WHQGF XVCHR LAHJD XJHDG QLAMO MAJKF YHDJS WBSKA UJDHS
 LAPMD WJNXV DGRTS AUJDK 56287 WBCJD AJH DU 78352 WBXVC YHDGS
 WBXLA PMQKU YHDKQ LAPOI BXNWJ THSUZ QHAGU JDKSI 67389 UJDHS
 YHLPA WJQKA MLGHD JQKYH XVWOL YHSJE 63528 HNXJD SKZUA PMAJG
 JOALK XNBWJ SJHQL MAPKI HDJRT SGDFX MQPAU 56483 GVXHS WBSJZ
 IKAGH WBHDL AOKSH QMAPH WBXHR SHZYA 67382 VWBXH SJZUA QJAHG

etc. etc.

M51a: 3881//6825 kHz, 31-08, 0700 UTC

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

SAMEDI 4/LEÇON NUMÉRE 1/1 VITESSE 420 CODÉ =
 NVCMD CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCPSL ALQKO 02365
 MCKSO /.?ASVA CZXAD QPLOE BDGEY XMKNS ASLWP XUEWY VNDHW LKSIW
 63270 XMSLD AR.'./ VFHRY SWRQT XVSHG LJYPO ZMXNE AQOIU CBDHW
 LPURF 18963 ZAPFO VA',AS? ZMXSK DLSKW CBRYR BGHUT LHKYP ERTWY
 ZXWCD VNCYE 14598 UTHJE '/?., NBNCX VFGER POQAS XCFDE JGHNF
 LKWUE VBCND MLFKG 54796 FSEWA ,.'=. ASQEX VMDSD EWGDD LBKGI
 ',.,?. XSGYW 21703 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX ASDWG
 VBNFK 26318 KDFHR ?.'VA, QHJCM LGDHJ CBETJ AQWOP +

SAMEDI 4/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
 LE REDÉPLOIEMENT DES THÉÂTRES D'OPÉRATION NE MET PAS UN TERME À L'ENGAGEMENT DE L'ARMÉE DE TERRE. LE NIVEAU
 DES UNITÉS PROJÉTÉES RESTE TRÈS ÉLEVÉ. L'ENTRETIEN DES " FONDAMENTAUX " DU MÉTIER DE COMBATTANT EST PLUS QUE
 JAMAIS UNE NÉCESSITÉ ET L'INSTRUCTION COLLECTIVE UNE PRIORITÉ. C'EST LÀ TOUT L'ENJEU DE LA PRÉPARATION
 OPÉRATIONNELLE DÉCENTRALISÉE POUR LES ANNÉES À VENIR. LA VOCATION DE TOUT MILITAIRE ? REMPLIR UNE MISSION
 OPÉRATIONNELLE EN OPÉRATION EXTÉRIEURE OU SUR LE TERRITOIRE NATIONAL. MAIS VOTRE CARNET DE TIR EST-IL À JOUR ?
 CONNAISSEZ-VOUS TOUS LES ACTES RÉFLEXES DU COMBATTANT ?
 COMMENT RÉAGIR DANS UNE EMBUSCADE ? +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 31-08, 0742 UTC

Non-stop 5-character groups composed of M51a messages.
 The spaces between the messages were not transmitted but entered afterwards.

YETSR AUSHQ BWJSU APLMQ BWNSH ETSFZ WCQJA UWKQI NDHRT XCWJA
 MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA
 UAYDG XVWBD XNQJU ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB
 JAKLO NHDFE 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUY
 KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL
 NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO

GDHQJ ZUSGQ WBXVD XNAIK QLANP XNWBD QJEUD AIKJU RTDGS DFQJU
 PAMLK CNDYE ZISJW QNDHE AUZRE SGQJA KLP AU NXHDT RUSHZ QJUHR
 JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR
 UJYHT DFSRZ AMQPO KLIYH DFSGC XVSCX WNBQH ZRATY 46378 SJQKA
 YHUTG BCHDT RFSHA QCWGD SJQKI LMPAU JHNBV CGETD SHQYZ AUJHG
 YHNBG CVFRE SCXWE ABHJK LQJUY NHBGR CVXGF DGSU JKLUY TGFVC

MXSKW NCJDA KDOWP BCMJK AZMNS SKWID NXSOQ NXSDF HJCSI 26530
 BCHSW .,='VA BZAHX CXSHA JAQIS NXZKA LDKIW CBSHA ZALOQ BXNSJ
 02148 MDYUG ?/.,AS ZAQIS HXAKQ XMNSA AQPOE CNSHW LDOJF XNMA
 LDKOW 48901 SHWTD /.'?', MVKDL SAHQB XVSHD DJWIF SALOJ NCSJS
 QAQSD NNCJE 74302 DRWED ?/.'VA' NVBXC NSWPO NDEYJ DJKED AXZVS
 NVLRU LDPEJ WRSFU 43269 HGKRO /'AS,? KDWIC SNSJW VZWPO LFMKR
 DREGN MCEIS MCKDO AFQTH 01658 GSWPO .AR',/ NSYWP ASQEZ NXHWY
 BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 KFUEI VA.'AS/ VXBAQ KAOWP
 BCHWQ CVDBE FKEIS QEAFY CBDFW VFLPE 41203 SPIJG ?/'VA' ZAJSU
 VXBHQ XHQJS BXBWH ALPQE BCBDY CBXBX NXWPO ?.,'/ GDWYD 56320
 AZNXM WLJSS FSWTH BXVCS VMKDA ZBCYQ LSOPD VCNWM 93502 JDIWK
 ?.,VA, ZAUSH BDHWA BXVSG GDYWL POFKE NDJAI BCXVA MQIKD MVLAO
 56398 KDOWL .,=' / JXUWG GDJAL PLGOE

DHIQU VCGSH PELEO XAQEZ NCB DG MVNBT PTOTI BVNVE SWREG 02589
 ZBAQV .,?AS/ NCB DH MNLHK CXSDW ASQWE CBX BW LGRPO CBHYW NVVMR
 45896 BSGWY ., 'VA? BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKE
 VXSGW 47896 MBKIG ., 'AR/ MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO
 SDWRE NNCJE 74302 QOWIE ,VA'AS? NVBXC NSWPO NDEYJ DJKET AXZVS
 NVMRU NDPEJ WRSFU 43269 VCSWH .?,=/ KDWIC SNSJW VZWPO LFMKR
 DREGN MCEIS MCKDO AFQTH 01658 MNGKT /.?,' NSYWP ASQEZ NXHWY
 MXWJK LFPEI CNMWI ZCVQT MVIEW 49635 DSQEF ., 'AS MVLPE QADTD
 NDJEI CVDBE FKEIS QEAFY CBDFW VFLPE 41203 XCSAD ?, 'AS ASQRV
 NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX NXWPO ?., '/ MCIWO 52901
 SNHWY BDGWT XWEUD NVLEO XWPCN ASKEO BGETQ CBNSK 41123 MOEPL
 AR.VA,' QPALO BCGEY MXNWU CXGAH NBHFE KGORL LBPOF VZXAS QBYXY
 .,?'VA VXRAD 25893 VXATG LGPRO DGURA

POMPO WFUGJ VNDKE AQPOD NVHDK WTD BC ZMCNB DJEIL POLIU 36521
 XLPKO AS.,?/ ZCXSA CDGET NVIUQ ASWOP FJEIR LFKJW POEIQ SKEIW
 20309 XMAKQ ., '=' CBDHS AZNSJ NCAPY AQNRY SWIDF ZOEPL CNDKE
 RWODK 85236 XANQU ?.,? DJQEI AJDKO MCNDH SXZCW HCUWP LDOWP
 AZNQM EIDKQ 17890 AQPDL AS,VA,' AQPOM CNDKW XMAKW DLWPO XMZNS
 KD SLP WIDAM JAMER 18973 CMKUI .,AR?. LAOSW JDIWH XZNSJ BMNEO
 RITOF WEISJ SLWOD CBZMA 32698 MLOY P ?/,AS XZMSN JDGHE DHWIL
 APQOW CBAJW MLKSI ZXNWB DKOLP 78512 FGHEI 'AS/VA? AQPWO CNDJW
 ANDER MORN I PLOFE XNSIW AQOKS XBNWI 98652 BXAIQ ,?. '= MAGDA
 LORGH BIDUL WERTY ALPES XCBWU AQKDI NCHSI .,?' / CMFAQ 36980
 AQPOL CMVNE VJCME ZWERP LFKHM VBCNW AQISG CBDNI 30258 JFYRT
 'VA.AS, VNMRO FKSUW FDP I E VXSFW NBMRK LHPYO CZAXQ VDTAF QFATH
 47596 CZAXQ ?.,=' BXSJW JFCDI LHPOT

etc. etc.

M51a: 3881//6825 kHz, 31-08, 0820 UTC

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

SAMEDI 4/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
 CNCSI CNKQO AQLPS ZNXXW CMNVB AKSOP QWEIU XBSAJ LHKJY 65489
 CARQF .,?/VA QAJWU XBSGH CKWOI AJDGE QOWUN CMNSH SWPEO XHSWU
 .?, '=' DARGD 52017 ALQSO SJNXI QALPS XNBHA SHDYW XNCMS ZMXLP
 WUEYY 10478 NXBHA .,?AS/ ALQPW XBSUW ALKSO XBCHS SJWIX BCNCJ
 CMSKW CZFST 12036 NCHDG ., 'AR? ZNXJS QPLOS DHDWU XBCNS AJSWI
 XETYC VNMSK AQOIW 89564 NVMDW ?/.VA' JQIAL OILPU XVAGW DHFGR
 VNMEI SAHWU SDPLI CBSJW 23561 XBAGQ ., 'AS/ NCPOE XBSHW SKWOP
 SABWU CBEYD NBMCK SAJWU XCVWY 43692 NVMDW .,ASVA. BXGSG KGMGL
 RISFE +

SAMEDI 4/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
 CHAQUE CONTRÔLEUR EST NORMALEMENT CHARGÉ D'UN SECTEUR DU MINISTÈRE DONT IL S'ATTACHE À CONNAÎTRE TOUTES
 LES PARTICULARITÉS. LES CONTRÔLEURS SONT RÉPARTIS SELON LA NATURE DE LEUR SECTEUR D'ACTIVITÉS DANS DES GROUPES
 DE CONTRÔLE, CHAQUE GROUPE ÉTANT DIRIGÉ PAR UN CONTRÔLEUR GÉNÉRAL. LA DURÉE MOYENNE D'UNE AFFECTATION EST
 COMPRISE ENTRE 3 ET 5 ANS. LA LIMITE D'ÂGE EST DE 64 ANS POUR LES CONTRÔLEURS GÉNÉRAUX DES ARMÉES ; ELLE PEUT
 ÊTRE PORTÉE À 65 ANS. AU COURS DE SA CARRIÈRE, UN CONTRÔLEUR PEUT ÊTRE AMENÉ À CHOISIR DE SERVIR EN DEHORS DU
 CONTRÔLE. +

CQ DE FAV22

M89 - Chinese military

7540 kHz, 02-08, 1031 UTC, i.p.

VVV 7G NR 005

VVV RK RK

V M8KG DE BNC3 K

R QSA 2 K (Other station also on this frequency)

R HR QSA 2 IEC = 0386 AR K (Normally used during exercises)

R HR . = ..20 AR K

R HR NR 95 K

R HR NR 95 K
RPT
R HR NR 95 K
R R HR NR 13 K
R NIL SK
R R SK

3156//3597 kHz, 10-08, 1220 UTC

MSG NR 0805 CK 99 24 0810 2030 RMKS 9646 TO 5861 0236 9846 =
437D TUA4 54U6 NUTU A5D5 ...TA AD44 447U TAT4 TTT7 DTUT TAAN (Cont'd)
AR

4143 kHz, 10-08, 1357 UTC

R/1Y AR K
R HR RPT = MSG RI. MEEEE
RPT MSG NR 73.. SP 11W TO 40W =
5.UD DNAT 6NT5 ..AA3 U36N (Cont'd)
AR K (1400z)
R NR /.393/EX 2111 RMKS CQ =
7../R.. R/
NR 395/EX 2136 RMKS CQ =
DRR/J EEE = DRR/1Y AR K
RR HR MSG GA
N RPT WY N KDKOS UNDK LTKD K.TLD .. (Cont'd – Horrible CW operator)
AR K
X5PT K
R R U RPT K
R R RPT K

4740 kHz, 10-08, 1927 UTC

R KP VV
VV O5WY DE JBYA K
R QSA 2 QSA ? K
R IEC = 1.31 AR K (Normally associated with exercise)
R KP VV
VV D8TW DE JBYA K
VV G8FY DE JBYA K
VV G8FY DE JBYA K
VV A0QJ DE JBYA K
VV NJCX DE JBYA K
VV FJFJ DE JBYA K
FF GA K
R F NR 5685/EX 0332 RMKS CQ K
RPT K
R = = B4Y6/N3O9 AR =
= = B4Y6/N3O9 AR
= B4Y6/N3O9 AR K
R HR MSG GA K
NR 5686 CK 200 UD 6DAA EEEEE
NR 5686 CK 200 28 0811 0300 RMKS CQ K
K
RPT K
RPT K
R 1P =
3N65 .65U 3UTD N536 6UN5 A46N 4U67 DN54 A7DU N7A4 (Cont'd)

4279 kHz, 25-08, 2019 UTC, i.p.

3952 AR K
= UAT17
= HR SVC GA K
VVV D3WC DE DEATT K K
= UAT1700 UGT COMM 6998 2063209 420634 EEEE =
= UAT1700 UGT COMM 6998 20632094 20632063 8 AR K
VVV D3.C DE DLHATT K K
QSY /0IIII U QSY /03 UQSY /03
VVV D3WC DE .HATT K K (
U QSY /04 U QSY /03
VVV D3WC DE 3WCDL ..TT K K

5566 kHz, 25-08, 0800 UTC, i.p.

R RPT 13W = 636A AR K
RPT 15 TO 17W K K (Both stations on this frequency)
R RPT 15 TO 17W = 6.4U 53UU UA.A AR K
RPT 23W K K
R RPT 23W = AD74 AR K (Cont'd to repeat groups)
R QSL 1 U SVC GA K K
PSE SVC GA K K
U PSE SVC GA K K
R QSL 1604 EEEE QSL 1604 K K
R R
R VA VA
VA

6913 kHz, 25-08, 0719 UTC, i.p.

4D4N 4DTN NA4N
AR
MSG NR 0817 CK 94 24 0825 1515 RMKS 9546 TO 0922 9386 93.5 =
7536 545T 5TD4 6NUN 56DN T3TA (Cont'd) AR

4392 kHz, 28-08, 1103 UTC, i.p.

6363 NA4A NA43 7745 7NN7
III
R 17W (Other station also on this frequency)
17W UT65 K (Cont'd repeat groups)
R 4P =
= = TT66 7TNA TANU 54T7 (Cont'd)

M90

Not often heard these days. Fine catch by F5JBR.

4133 kHz, 08-08, 0630 UTC

DEQJ DEQJ DEQJ AR =
QTR 0831 DEQJ DEQJ DEQJ AR
DEQJ DEQJ DEQJ AR

4133 kHz, 08-08, 0638 UTC

QTC 628 = 628 20 08 0838 628 = DEQJ =
DNFVZ KADQS FKEIU YMISI IRFBP QWXTY RZBNM BGMNX QRKRK JEYCR
VNASC ARECA HKXPY HOURP DCNCX BIOIP MSKLY NVKMG KRIQL LAYGZ
= HDAE =
DNFVZ KADQS FKEIU YMISI IRFBP QWXTY RZBNM BGMNX QRKRK JEYCR
VNASC ARECA HKXPY HOURP DCNCX BIOIP MSKLY NVKMG KRIQL LAYGZ
= HDAE = = FOR DEQJ RPT QLN AR

4133 kHz, 08-08, 0641 UTC

DEQJ DEQJ DEQJ AR =
QTR 0848 DEQJ DEQJ DEQJ AR
DEQJ DEQJ DEQJ AR
DEQJ 768 435 035 530 DEQJ AR

4305 kHz, 20-08, 1352 UTC, i.p.

VV 5TBY DE M2QX K
VVV 5TBY DE M2QX K
VVV 7U8P DE M2QX K
VVV 7U8P DE M2QX K
R QSA 2 WK NR K
WK NR (Other stations not heard on this frequency)
OK AS
KS KP KP
VVV 5TBY DE M2QX K
OK AS KP
VV 9U= DE M2QX K
R QSA 2 HR IEC = ADMQ AR K (Normally associated with exercise)
OK WK NR MEEEE WK NR K1011 AS
VVV 7U8P DE M2QX K
VVV 7U8P DE M2QX K
R QSA 2 HR IEC = = WYYK AR K
R OK NR K1011 K
OK AS
VVV 5TBY DE M2QX K
R QSA 3 HR IEC = DNXR AR K
NW EEEEE WK NR K1011 K
OK
VVV RWI4 DE XP3W HR W EEEEE HR F CY K (Changed his call sign)
FF NR 1012/EX 2203 RMKS =
WJM3/R7F2 AR
NR 1012/EX 2203 RMKS CQ =
WJM3/R7F2 AR
VVV 9U= DE M2QX K (Sent old call sign by mistake!!!)
OK AS
VVV 7U8P DE XP3W K
OK AS
VVV 5TBY DE XP3W K
R R Q EEEE R QSA EEEEE RPT
RPT
OK HR 7G CY K
7G NR 1013 CK 81 49 0820 2200 RMKS CQ K
= =
647N A4NU 3NUT 67TD UN5T 6DA5 .A36 DN34 U34A 65T7 (Cont'd) AR
VVV 9U= DE XP3W K
OK AS
VVV 7U8P DE XP3W K
OK AS
VVV 5TBY DE XP3W K (1414z)
RPT 20W = UD65 EEEEE RPT 20W = UD65 AR K
RPT 40W = = A437 AR K
RPT 40W = = A437 AR K
OK OK KP K EEEE KP

4129 kHz, 09-08, 1203 UTC, i.p.

First time this type of QSY reference seen

Message format indicates M95 family

QSA 1 QSA 1 U QSY NR 04 QSY NR 04 K

QSA 1 QSA 1 U QSY TO 1446 U QSY TO 1446 K

QSA 1 QSA 1 U QSY TO 1844 U QSY TO 1844 U QSY TO 1844 K

VV PG/J DE DEKP35 K

QSA2 K

R IEC = 2212 AR K

HR MSG GA K

7G NR 1004/CCK CK 91 11 0809 2000 RMKS = 1446 TO 5206 AR K

K K

R = = A6U7 65N4 3TU7 65NU U6DN 6UTA U63T ND47 673T D7N6 735U (Cont'd)

4364//8073 kHz, 09-08, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 09-08, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0623 CK 25...

Note: Appears to be having technical issues in 4+4 QPSK mode. Transmission stops every 2 or 3 seconds then continues. See Q26 section.

4243//9054 kHz, 09-08, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 09-08, 1150 UTC, M95: CW

HR 7G TO YR PSE CY

NR 028 CK 31 35 0809 1543 =

5AA UTT TTN 3U6 3A4 TTU TT3 773 353 T3D

354 365 4T6 445 3DA 4D3 TT4 773 353 N3D

354 365 4T6 445 3DA 33N N3U 446 467 3D3

4D3 AR (1153z)

A HR 7G GA

NR 18 CK 235 35 0809 1617 =

UTU TTN 3U6 3A4 7TU 7TA NU6 6T5 D5N 777 (Cont'd)

4243 kHz, 10-08, 1214 UTC, M95: CW

4243 kHz, 10-08, 1255 UTC, V26: Chinese voice, repeating M95 messages

365 4T6 454 336 N3U 77A 44A

III = = 3UN 354 373 N3D 353 (Cont'd)

AR MSG AGN

NR 20 CK 254 35 0810 1556 =

UTU TAT 3U6 3A4 7TU 7TA NU6 6T5 777 73U (Cont'd)

AR

AHR MSG GA

NR 089 CK 29 35 0810 1635 =

UT5 TAT 3U6 3A4 TTA TTU TT3 773 354 365

4AD 445 346 T3D 4A7 447 46D 34U 4U4 44N

77A 45A 4D3 365 N54 4DU 3DA N3D 3D6 AR

MSG AGN

NR 089 CK 29 35 0810 1635 = (Repeats message)

AR

A MSG GA

NR 090 CK 20 35 0810 1638 =

UT5 TAT 3U6 7TA TTA TTU TT3 773 4AD 445

346 N3D 4A7 447 46D 34U 4U4 44N 77A 45A AR

MSG AGN

NR 090 CK 20 35 0810 1638 = (Repeats message)

AR

A HR MSG GA

NR 091 CK 36 35 0810 1750 =
6T5 6T7 6TA TTN 6T5 7TT TTU 6T7 6AT TA7
6A4 3T3 6A5 UTU 6A6 N7D 6A7 TU4 633 TUT
635 4TA 63N 6T4 636 6A4 356 6A5 UT5 63D 6T5
636 6A4 37N 6A5 AN7 AR
MSG AGN\NR 091 CK 36 35 0810 1750 = (Repeats message) AR
A HR UP SB WK

4243 kHz, 11-08, 1144 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 11-08, 1152 UTC, M95: CW

HR 7G TO YR PSE CY
NR 22 CK 242 35 0811 1544 =
UTU TAA 3U6 3A4 7TU 7TA NU6 667 777 3U3 (Cont'd)

4364//8073 kHz, 11-08, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 11-08, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0631 CK 46 35 0811 1631 =
TTD N5U TAA N53 TAD N54 7TT TA6 746 4AA
77T DN3 NU6 4AA 77T 777 TAU 773 TA7 773
TU4 773 TU5 773 TU6 773 TU7 773 TUN 773
T3T 773 T3U 773 446 DTU 77T 7AD N47 T7U
DAA 773 35T 747 7U5 AR
A HR MSG GA
NR 0632 CK 226 35 0811 1630 =
TAA 3U6 4A T 3U7 T TU 7...

9054 kHz, 15-08, 2342 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

9054 kHz, 15-08, 2347 UTC, M95: CW

HR 7G TO YR PSE CY
NR 027 CK 22 35 0816 0626 =
UT5 TA6 3U4 3A4 TTT TTU TT3 773 3U T 354
37U T7N 374 4A4 446 4T6 74D 63D N54 .
3DU AR (CW signal a bit garbled)
7G AGN
NR 027 CK 22 35 0816 0626 = (Repeats message) AR
A HR 7G GA
NR 040 CK 31 35 0816 0650 =
5AA UTT TA6 3U4 3A4 TTU TT3 773 353
U4T 354 376 4AN 446 345 N3U 467 3DU N3D
3D3 4D3 TT4 773 353 437 UUT 4AN 446 3DU 4D3 AR
7G AGN
NR 040 CK 31 35 0816 0650 AR (Repeats message) AR
A HR 7G NR
NR 31 CK 095 35 0816 0710 =
UTU TA6 3U4 3A4 TTU 773 354 N35 374 (Cont'd)

4243 kHz, 16-08, 1150 UTC, M95: CW

4243 kHz, 16-08, 1220 UTC, V26: Chinese voice

VV HR MSG TO YR PSE CY
NR 040 CK 26 35 0816 1546 =
5AA UTT TA6 3U6 3A4 TTU TT3 773 354 37U
N3D 353 4AN 446 3DU 4D3 TT4 773 354 37U
N3D 353 4A5 445 3DA 4D3 AR
MSG AGN
NR 041 CK 16 35 0816 1546 = (Repeats message) AR
A HR 7G GA
NR 32 CK 135 35 0816 1603 =
UTU TA6 3U6 3A4 TTU 773 354 373 (Cont'd) AR
7G AGN

NR 32 CK 135 35 0816 1603 = (Repeats message) AR
A HR MSG GA
NR 029 CK 20 35 0816 1615 =
UT5 TA6 3U6 3A4 TTA TT2 TT3 773 35. U4T
354 75D 373 N45 374 4A4 446 467 4D6 3DU AR
7G AGN
NR 029 CK 20 35 0816 1615 = (Repeats message) AR
A HR UP SB WK K (1218z)

8073 kHz, 16-08, 0004 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

8073 kHz, 16-08, 0006 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0649 CK .. 35 0816 0656 =
TTD N5U TA6 ... 3TT6 N54 7TT TT3 746 4AA 77T (Cont'd)
(CW signal a bit garbled – Also still having technical issues with digital signal)
AR
A HR 7G GA
NR 0650 CK 111 35 0816 0657 =
TAD 3U4 3A4 TAU 773 353 373 (Cont'd)

8073 kHz, 16-08, 1135 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

8073 kHz, 16-08, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0651 CK 48 35 0816 1526 =
TTD N5U TA6 ..53 TAD N54 7TT TT4 746 4AA
77T DN3 ..6N 4AA 77T NAU 74D N3U 777
TAU 773 TA7 773 TU4 773 TU5 773 TU6 773
TU7 773 TUN 773 7AU DNT 773 N35 446 .TU
77T 7AD .7T TU DAA 773 35T 747 7U5 AR
A HR 7G GA
NR 0652 CK 212 35 0816 161. =
TA6 3U6 3AN 3U7 TAU 773 357 474 4AA (Cont'd)

4243//9054 kHz, 19-08, 1140 UTC, V26: Chinese voice; callup

4243//9054 kHz, 19-08, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4232//9054 kHz, 19-08, 1147 UTC, M95: CW

4243//9054 kHz, 19-08, 1159 UTC, V26: Chinese voice; repeats Q26/M95 messages

VV HR MSG TO YR PSE CY
NR 047 CK 32 35 0819 1550 =
5AA UTT TAN 3U6 3A4 TTU 773 35U 4T7 445
3DA 4D6 TT3 773 35U 4TA 33U 34U N3D 4T7
445 3DA 4D6 TT4 773 35U 4TN NAT 4TA 45. 3DA 4D6 AR
HR MSG GA
NR 38 CK 106 35 0819 1559 =
UTU TAN 3U6 3A4 TTU 773 353 U4T 35A (Cont'd) AR
MSG GA
NR 038 CK 17 35 0819 1622 =
UT5 TAN 3U6 4A4 TTA TTU TT3 773 35U U4T
353 4AD 445 4D6 N3D 4D3 3DA AR
A HR UP SB WK

4364//8073 kHz, 19-08, 1129 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 19-08, 1130 UTC, M95: CW

4364//8073 kHz, 19-08, 1136 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages (Still having technical issues with digital mode)

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0659 CK 1.4 35 0819 1605 =
..3U6 3AN 3.. (Contd – garbled)

4243//9053 kHz, 20-08, 2342 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 20-08, 2347 UTC, M95: CW

VV HR 7G TO YR PSE CY

NR 042 CK 17 35 0821 0607 =

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

35. 4A 45 4D3 N3D 4D6 3DA AR

7G AGN

NR 042 CK 17 35 0821 0607 = (Repeats message) AR

A HR 7G GA

NR 050 CK 25 35 0821 0640 =

...TT.... (Cont'd – Very noisy) AR

7G AGN

NR 050 CK 25 35 0821 0640 =

5AA UTT TUA 3U4 3A4 TTU TT3 773 353 4AA

343 4A5 445 3DA 4D6 TT4 773 53 373 4TA

NAT 4TN 445 3DA 4D6 AR

A HR 7G GA

NR 41 CK 062 35 0821 0658 =

UTU TUA 3U4 3A4 TTU 773 35A U4T 353 4TA (Cont'd) AR

7G AGN

NR 41 CK 062 35 0821 0658 = (Repeats message)

4283//7553 kHz, 20-08, 1330 UTC. Probably XSV70 i.p.

4D3 TAT 773 3AD 357 37U 4AD III

445 4D6 75D 4D3 3AN 354 (Cont'd) AR

7G AGN

NR 724 CK 176 35 0820 1622

7D5 UT3 TUT 3U6 TT4 773 3AD 357 4T7 (Cont'd)

4243//9054 kHz, 28-08, 1140 UTC, V26: USB. Callup in Chinese voice. Female operator

4243//9054 kHz, 28-08, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 28-08, 1147 UTC, M95: CW

4243//9054 kHz, 28-08, 1219 UTC, V26: USB. Repeats Q26 and M95 in Chinese voice

VV HR 7G TO YR PSE CY

NR 56 CK 159 35 0828 1555 =

UTU TUD 3U6 3A4 TTU 773 35A U4T 353 4AA (Cont'd) AR

7G AGN

NR 56 CK 159 35 0828 1555 = (Repeats message) AR

A HR MSG GA

NR 065 CK 45 35 0828 1607 =

5AA UTT TUD 3U6 3A4 TTU 773 353 U4T 35A (Cont'd) AR

7G AGN

NR 065 CK 45 35 0828 1607 = (Repeats message) AR

A HR MSG GA

NR 065 CK 24 35 0828 1637 =

UT5 TUD 3U6 3A4 TTA TTU TT3 773 35U N3D

353 U4T 354 37U 4AN 345 N3D 4UT 446 467

4D3 N3D 4D6 3DU AR

7G AGN

NR 065 CK 24 35 0828 1637 = (Repeats message) AR

A HR UP SB WK

DIGITAL MODES

HM01 - Dirección General de Inteligencia

01-16 August: 71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)

Note that these groups were also sent on different dates in March 2018, Dec 2018, May 2019 and July 2019 !!!

17 August: new groups: 57531 34027 82834 27131 21821 51477

18 August: 57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)

19, 20, 21 August: not heard

22-31 August: 57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)

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

M42 – various modes

16043 kHz, 28-08, 0808 UTC, MFSK-66

8024 kHz, 04-08, 1916 UTC, Serdolik

M42b – FSK 50/500

7562 kHz, 06-08, 1325 UTC, CW. 4KSA wkg 3DBA.

QTC 1 NW 138 50 06 1325 1344 = 44505 51956 10424 48023 ...

CFM NIL SK

9120 kHz, 06-08, 1338 UTC, CW. SONG wkg UL2G.

QSY 04856.QSA2 QTC 1 ZTH NW = 789 30 6 1335 1223 K.

CFM QRU QRU ? K. R 914 1352 K.

NIL SK

12220 kHz, 24-08, 0411 UTC, CW

i.p. QRU? QRV K K

QSL 2 K

NIL K SK

6923 kHz, 25-08, 0617 UTC, CW/FSK 50/500

L7DR wkg W2OU. Traffic in FSK 50Bd/500Hz

F01 – FSK 200/500

15854/13543/11126 kHz, 07-08, 1840/1850/1900 UTC

Null message:)576 100000+++++++

Link 00117 via Cuba

14373 kHz, 19-08, 0135 UTC Header: 11177 00117 68891 15039 02879

14373 kHz, 26-08, 0135 UTC Too weak to copy

Link 00000

6957 kHz, 09-08, 1600 UTC

11100 00000 59632 09023 02529
 18843 16122 98329 35229 08052 33813 96094 25977 48253 51411
 88417 16182 76891 56008 85144 02021 84592 24448 64024 14892
 16603 99247 94067 56955 44244 14619 09395 89112 98568 33522
 38254 94872 83420 81691 16911 68525 10070 89572 43082 01075
 20619 78111 48613 62360 92371 49317 96074 02812 40334 67563
 28978 23263 60062 42532 30289 86276 78017 49772 68933 67407
 01637 49779 38972 69844 86292 91558 21142 50869 61335 11590
 21452 33568 82410 64145 66514 02238 02226 43890 60295 04918
 76965 86708 31992 11487 50540 59684 29698 00773 83851 76185
 39565 75089 21265 96981 35137 25667 11478 03329 86546 97386
 24971 52976 84267 26279 35226 55008 57097 48204 55904 24480
 89073 02173 51163 02771 64998 76719 61317 54598 99263 72793
 11002 77638 27673 81579 92059 85662 66922 00706 38311 51169
 71464 37265 34412 18408 42405 71088 25978 22760 68154 76712
 23170 77402 01489 27477 14918 13197 02739 30180 35984 82731
 03771 63752 54036 64468 72453 20360 68941 27921 82314 72389
 41438 45810 17043 13753 93405 64121 64553 48941 46890 66018
 80286 28278 94099 90536 24433 52788 15532 91999 02772 97147
 88443 51102 65811 24127 52835 73577 45917 88978 27141 37416
 37112 57210 90817 74543 47246 84161 76011 97918 77214 29846
 35499 09969 06911 07478 79080 53322 92610 89132 95619 89753
 05465 16967 02914 18291 65796 93453 92591 68430 52884 49044
 62203 29369 94924 10723 51719 01226 68848 19867 26603 79161
 64702 72871 74654 06357 94254 82952 08814 56764 48539 86592
 93107 33592 33998 43043 33923 94443 41943 00335 03811 39054
 23250 00000

Link 00030

16275/14923/12156 kHz, 13-08, 1400/1410/1420 UTC. Russian diplo/intel via Orenburg txm site.**16275/14923/12156 kHz, 13-08, 1500/1510/1520 UTC. Russian diplo/intel via Orenburg txm site.**

11166 00030 84310 12001 02379
 98714 93753 28258 70802 25937 00216 22375 00717 23627 86579
 30393 54887 30409 27780 11036 22222 42268 35947 60965 41081
 01267 47730 70144 69845 17166 76171 99955 71269 57900 06821
 82513 02774 69836 42771 64602 29898 13751 28308 44684 05077
 27470 05866 76402 78934 51110 85962 37040 36295 75852 34823
 84345 74076 02182 09350 50179 63274 18552 94160 44413 62213
 36380 20350 67523 73253 42344 70689 55313 60142 53888 00932
 04195 68198 88896 31917 50481 14520 85461 92176 02124 40389
 32691 15694 46315 43081 98481 24552 81423 29254 65210 51111
 46670 57098 09265 79437 48003 59457 85366 10651 03601 65086
 01611 81890 57437 60237 96175 93580 34356 57774 51613 24679
 35081 65987 07694 40609 94614 74306 58708 23549 52438 98093
 46193 79776 07984 49708 82987 03749 59779 28024 69592 03609
 51738 43596 88742 17805 75006 21660 89138 77513 98813 50140
 94279 94543 28773 64883 97332 79427 16049 89270 27967 19364
 65850 70417 02111 70719 18674 79143 90542 45762 02742 65902
 67277 98331 81061 89848 23670 38106 41557 63243 59180 28185
 03708 78373 84738 45654 40120 09186 99641 09824 36484 04809
 27925 07836 38344 17159 25140 72315 58124 29816 91490 90768
 40844 80357 52237 51398 11967 93333 91340 55036 55807 66079
 49257 47879 97949 74541 20830 54707 90106 91312 14220 17284
 20851 33066 56811 67614 00671 79566 59019 90755 94777 31449
 71949 56871 02102 98963 99848 27201 03917 38853 53267 63652
 30538 81573 53887 96690 19517 01235 00000

16046/14354/12228 kHz, 14-08/15-08, 0800/0810/0820 UTC

11166 00052 74963 14042 02619
 25608 91382 07859 54263 61394 72620 31722 92700 36120 96840
 78841 84461 72981 54441 64758 99989 62292 69016 26067 90409
 42258 50645 55623 07269 82012 77013 76894 18082 44991 69559
 93421 97368 62841 56813 74312 97858 10226 42151 61700 31568
 28941 18109 11123 15422 74778 94485 00746 61116 85588 32390
 70366 13908 93972 01439 76147 70010 33035 02283 72005 27302
 08642 21657 53597 49013 36626 12133 25849 45092 68362 13768
 79945 00933 53167 59839 90739 08160 10949 33842 70506 77140
 13546 69947 39977 35935 98199 14104 02610 45349 61591 87975
 33000 84792 07882 22891 15410 88630 49196 56009 93316 37699
 81981 05869 15939 35696 87685 69531 92680 25114 31189 08487
 91409 22415 55429 15513 41528 77134 95646 79692 27770 84589
 61711 91744 85649 06899 61937 56892 34512 81978 66849 07424
 09123 25229 36326 32161 75722 53570 58556 64994 43495 86535
 74256 99704 07389 04105 84565 23226 83209 65960 66089 84568
 20953 21853 41489 41557 07283 67777 79095 52602 93117 27630
 19943 05673 07242 65042 55699 01666 41901 55079 05906 34351
 21297 70488 67969 34095 88939 62188 38346 67537 74774 38679
 28361 10410 28044 74067 23081 35691 26796 99399 56708 84276
 00004 56968 02899 10363 23208 22312 03469 18717 73641 23561
 83920 36035 55760 12850 29211 83570 33120 69456 18223 43210
 27540 39370 40360 34207 71492 40979 42705 42738 24645 91547
 81189 71483 90509 34191 74200 01412 94117 70023 82063 82959
 06676 25166 60848 98796 28124 07309 63926 65354 63551 31511
 89711 65318 54384 19927 99047 28261 50309 05143 50641 01603
 32848 91816 28016 79103 26537 56307 56395 79052 58631 42259
 00000

16046/14354/12228 kHz, 28-08/29-08, 0800/0810/0820 UTC

11166 00052 17935 28043 01519
 78359 44075 85159 80764 73022 47009 13064 12151 36120 51166
 48234 12173 99894 78755 99935 93250 87164 69738 54073 90445
 57527 02762 21644 22490 98368 58394 98621 09946 90985 10568
 66946 98926 22952 57189 91327 63825 95513 25848 91523 87489
 18184 15557 94798 42261 07741 60468 98254 20352 33797 26495
 95694 86951 78147 76787 48742 54546 00071 66989 06877 01854
 24773 56215 06084 85831 97169 44696 00809 20184 68178 74012
 08895 18813 05727 50871 74201 27650 47654 80350 76583 93302
 38685 19553 43917 41952 18686 87613 45874 66945 54373 92984
 74110 48519 31662 63952 38579 54079 50852 93301 34633 92501
 91833 33091 60624 20856 41496 00456 90677 27019 00531 80382
 32322 36605 11827 36399 23680 17644 77617 65109 49892 81455
 57603 55510 83465 03151 65204 39040 78239 10201 04155 41276
 71647 12506 12612 71237 74972 72413 06971 09220 56275 38108
 42580 79107 45683 88818 33532 16085 17735 65282 98727 43149
 00000

17434/14369/11163 kHz, 14-08, 0915/0925/0935 UTC

11166 10031 13579 14001 00049 00000 00000 00000 00000

17434/14369/11163 kHz, 28-08, 0915/0925/0935 UTC

11166 10031 14279 28026 00049 00000 00000 00000 00000

Link 10053

17428/15786/12228 kHz, 04-08, 1530/1540/1550 UTC

11166 10053 14279 04066 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 11-08, 1530/1540/1550 UTC

11166 10053 78963 11001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 18-08, 1530/1540/1550 UTC

11166 10053 13579 18001 00049 00000 00000 00000 00000

17428/15786/12228 kHz, 25-08, 1530/1540/1550 UTC

11166 10053 78963 25001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 06-08, 1650/1700/1710 UTC

11166 10053 13579 06001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 13-08, 1650/1700/1710 UTC

11166 10053 36987 13001 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 20-08, 1650/1700/1710 UTC

11166 10053 14279 20070 00049 00000 00000 00000 00000

17534/15613/12215 kHz, 27-08, 1650/1700/1710 UTC

11166 10053 36987 27001 00049 00000 00000 00000 00000

Link 40122

16346/14847/12223 kHz, 01-08, 0600/0610/0620 UTC. Two messages.

11166 40122 36921 27042 03029

92913 56964 64502 73515 74605 82400 69045 45423 92141 20120
08134 94796 15979 60764 01753 30415 09319 91901 20537 44393
02446 88454 31642 10275 26916 02433 41191 64030 64318 25432
00499 03905 89249 22319 68245 70050 11236 59542 45797 89881
45255 76518 27862 00091 65564 73510 35657 81259 22516 14459
24795 66012 27044 68183 85052 06629 32527 36405 74230 13083
68686 42022 53277 97415 07230 76074 14873 85402 63925 26841
22654 81439 66776 39503 03276 97586 45013 79804 58492 82716
18557 00167 89435 12693 92671 31667 50304 27518 87472 50347
73620 26402 56988 91264 34264 56669 77459 08746 44460 57450
09565 06258 96915 44107 64260 84354 98280 44304 26918 80123
60138 21688 19452 96571 39692 48093 05126 45398 47355 10234
65713 51570 63419 61789 05724 93168 30993 56848 63351 74911
17396 25635 32860 58815 61197 78460 28077 00417 47092 48826
41688 64004 75788 11637 80023 15283 21107 37438 78016 14929
91475 68632 24025 61448 38001 28607 49208 56802 76315 99698
61136 93211 14381 30960 26329 84598 03428 61633 31406 91095
54239 71295 77543 10049 85948 92590 87905 31972 99539 47509
32769 84877 93249 93130 01996 15420 62049 87779 79567 80298
48393 13529 99852 46347 36428 15991 90298 22757 06845 47326
30243 73859 94563 23418 80516 85920 16436 31139 63545 86372
61158 46656 98617 38922 58573 50708 22024 62983 70562 51795
46740 50852 70698 53208 41354 81085 04863 24855 32913 51499
50002 65799 63391 80238 13219 68464 54452 48346 38382 20434
60200 82280 12445 04787 12612 99805 88654 84907 89323 67700
68850 84704 58479 44721 12020 00172 80306 08254 61324 03246
70126 88099 06764 23877 52472 55825 25670 21265 61009 43113
68227 80188 63944 87555 80193 93374 19611 29332 80015 15835
91918 07197 32535 02120 80346 27224 86454 62413 44187 02741
67762 98413 25706 88893 46307 04945 01916 60277 17698 48214
42300 00000

11166 40122 53781 27043 02409
19657 05073 67730 56681 93660 34118 11512 85453 72290 28367
24489 40156 00646 73159 07553 71217 35720 52744 53415 74491
93287 03500 06441 59177 31231 49277 33121 68952 98965 67312
45392 67269 07678 58139 43956 22751 01046 17953 73818 55620
31134 36841 09221 31102 69156 71336 10151 10734 05788 64726
17627 97527 20711 13547 79934 35914 26093 03714 27010 52410
13678 64709 35158 47948 60168 15288 49286 77799 70609 99105
54846 80036 64441 33744 16669 38465 33913 21541 26889 90970
29552 95676 29125 19204 52371 99958 11132 80564 57498 25724
83086 68392 98921 54314 83711 11333 70035 78558 81414 47790
19674 01687 62638 36422 48323 37132 24606 88600 14189 57646
14639 33789 03827 67166 83258 53766 46997 93875 43234 46632
80462 27894 51779 06535 90376 52031 58080 30067 87998 39051
83344 85251 98372 13866 25554 04063 66701 04122 06114 84424
12073 27592 00587 12616 83237 89827 20690 42023 96130 90500
39754 89182 57815 61871 78826 33036 06539 87828 95606 28358
22592 76928 43395 69271 89652 87877 92260 63805 11314 30891
29590 05419 12464 93374 82230 52438 80223 63354 27393 51345
24123 49098 84517 64845 60199 18368 05283 90657 48712 05738
03944 81974 40159 61419 95196 05504 09274 40018 31740 98060
81708 52682 58741 07625 83075 31058 27379 29806 65037 76504
34653 75665 88139 92995 81662 31810 66068 27155 67510 98723
01018 63852 61059 18247 64859 50809 17692 26160 05807 50646
33288 90799 85245 43799 52590 23647 74431 30766 43238 00000

16346/14847/12223 kHz, 07-08/08-08, 0600/0610/0620 UTC

11166 40122 68591 03044 03779
31658 68731 10202 69474 07510 41308 29803 01755 93684 63150
29302 27936 54264 45560 94678 00265 37173 36633 83768 69703
81178 25010 88774 17270 66352 60918 85217 17511 25166 80427
96989 82537 56430 43880 32212 60066 09251 24404 69584 83899
29181 07467 99905 00290 83785 87406 52458 18615 09774 71868
60945 59810 48907 30087 48667 00993 64866 45958 37617 39709
58252 61832 11200 26256 21937 23965 85244 37503 03914 65570
67004 90656 69872 88403 06839 20399 82654 28825 72254 67849
40801 19259 98996 54775 43366 81021 98880 41500 73183 09411
29049 91931 15784 37040 52338 94162 56142 86315 43456 10076
20443 47021 20633 52387 55053 39935 07461 12569 59892 52419
54592 88092 18379 56918 75986 82418 91154 48308 79394 76183
65755 61028 95779 93015 79436 51937 37335 08415 57326 59826
38817 75133 33093 77533 61854 63510 44331 97593 66946 40166
19833 17357 82809 33532 00942 14520 27790 59620 64183 29006
62999 06494 37344 12128 81890 00859 26201 28973 65935 05229
94078 24954 61110 19092 61431 92446 54867 82511 17625 98477
58280 05620 62121 59368 23056 72417 17236 73303 48096 92327
79676 46736 55297 97946 03026 75586 39272 12421 28379 67159
20693 34888 05306 13718 57930 17425 70339 53663 96678 31936
75167 81246 62260 50422 81716 90746 24293 87060 66323 66068
88407 75546 00172 51680 94703 80120 98189 65846 27629 63725
53584 42068 66978 61734 00222 09699 34687 34672 70009 49647
17112 98393 37502 86122 67499 55126 68889 00346 18297 73835
17576 77176 58038 93347 33518 20585 52447 46655 78534 98909
14480 29858 64746 05837 52972 64172 58356 48041 54598 24435
15947 95425 78801 32555 45486 54890 70418 39349 09225 53584
19655 43180 10678 42555 24114 18863 32876 56758 32568 55252
20075 92343 75152 24967 20103 87164 09669 34673 29550 15452
38697 29376 08970 32587 77192 49155 60289 30897 75255 61770
83616 92440 25766 19593 55627 49691 11574 14287 96720 90070
71920 27678 19136 65275 92789 02262 73207 91310 50872 79764
33958 50200 65830 81222 95207 29283 40546 26989 63392 59052
94056 20132 68274 35458 16843 41637 32734 37634 03169 30877
68838 76955 40168 49760 92355 38397 58346 54015 72923 00101
73203 20042 62045 42117 72653 00762 66104 80229 29933 08917
56591 85827 46685 51237 34719 77742 55910 61936 92621 96997
39463 08954 38328 00408 39789 44375 00000

16346/14847/12223 kHz, 14-08/15-08, 0600/0610/0620 UTC. Two messages.

11166 40122 58741 10045 03339
98374 66138 20214 03701 95902 01766 35446 51198 19255 93841
02374 68466 68267 99817 74631 30594 27932 67389 79340 91425
33652 79508 35924 46392 29173 62775 91820 79827 46867 07652
17276 07678 65082 73918 26404 51574 22222 79831 16714 05182
92248 98405 44268 78773 51307 09264 76684 32963 90141 79486
91145 37541 52009 71912 09632 16335 00762 04309 88529 64057
48792 07862 04840 46048 99536 58419 06139 16876 84212 78928
16513 18718 97475 36499 15625 45469 61701 82533 33118 83504
74559 09361 25537 65042 19581 21815 27963 95042 44396 47187
97530 37581 36342 31997 91040 72624 50114 99022 43829 59162
67164 63008 42106 65621 91515 28520 05933 53502 11695 18348
25023 25174 83468 05929 14582 71768 13064 50201 83337 82112
45563 56339 30970 98627 88167 10810 17126 31142 23004 64173
69198 64554 89181 60087 21071 21272 38760 33928 99992 64385
96342 29486 03804 52491 76964 07165 35661 82122 41968 42116
88488 78703 97561 35758 96306 21989 65730 89109 94655 16904
82206 11380 57285 45735 01178 62241 01294 62609 11414 51246
83056 75443 00891 01292 72076 09665 39786 45546 96424 17780
67203 91751 47569 46648 40079 12757 05552 50466 74286 87411
37058 99837 83761 64964 61154 29232 11529 88931 12394 71254
94808 91380 55971 51171 31389 93557 34617 40124 39463 73802
51913 90480 28102 88681 21730 01742 20569 58288 38458 90458
97643 51638 47727 62591 53160 33093 22306 11742 78938 55768
72860 91709 21296 12844 48268 36798 76325 82719 05167 28308
16143 28969 51426 30671 63262 40999 93241 45636 55317 26382
40521 57971 67293 90780 50262 71100 83467 66407 12608 56118
36253 74960 09260 62629 54110 35963 98949 64831 85735 56459
09643 41295 92713 62986 42169 11873 27799 61778 14972 80174
41041 38118 04649 55043 80926 30803 61985 49474 82728 42630
08171 80416 61243 72861 40866 17888 50124 82602 04828 56840
54970 29022 06771 10224 12377 29359 79159 46672 72138 40655
22602 21264 44768 66142 81559 72774 81551 24234 33030 85883
79297 41045 92919 41754 26992 52389 69768 05424 36524 26188
20530 45331 00000

11166 40122 37458 10046 02529
42021 43829 34626 98869 03840 34660 79787 91328 57483 50161
46344 32564 21847 42499 58589 36309 01896 93024 80864 87234
10807 91705 58495 64381 80866 60414 77963 60783 55345 80995
51010 22718 78498 14061 52349 57026 25910 19441 65678 79932
42353 14237 17686 05811 79356 29403 04728 99323 49663 50809
41869 39383 40781 55707 88975 68364 54790 80546 33546 25006
66613 81078 34969 84446 17936 70674 59890 53824 88945 47816
63388 96874 15105 48675 95627 85982 41121 85727 38697 05101
29315 58348 03306 51994 64572 46305 40034 13228 23058 22111
44818 10357 96901 43154 63366 40740 92010 09556 24182 61419
41225 98680 54889 89505 99992 12254 61554 17501 16749 97009
75669 67009 95185 24809 98511 29254 90612 43174 97546 65854
07583 32164 34572 68288 90973 28540 30285 99495 27712 03154
94965 66031 01339 02489 79962 94238 66585 90311 29661 08850
36158 50344 38631 37477 96918 35921 43638 89413 97651 77552
05205 82188 75588 84326 58409 14317 13903 00114 37614 07674
47342 00480 04799 67941 58192 41262 36204 36551 29763 94749
46958 32576 49580 34391 58380 07996 79475 53978 37645 64783
34748 32240 64507 07238 39611 78782 04747 28018 51080 22316
95060 51297 68517 27107 69050 81490 71000 48580 79021 30980
49718 64033 93267 25288 27562 39374 73527 09121 83124 17835
62310 01739 21276 41600 34769 75072 57500 42276 94811 53033
08205 61150 20140 55451 04163 85171 85900 35086 69293 09589
21635 81127 31956 63190 81222 87656 60957 57077 30497 10467
43452 42908 82219 60716 46918 91557 33117 08825 32416 28117
46250 00000

16346/14847/12223 kHz, 21-08, 0600/0610/0620 UTC

11166 40122 15487 21069 00049 00000 00000 00000 00000

16346/14847/12223 kHz, 28-08/29-08, 0600/0610/0620 UTC

11166 40122 79642 24047 03579

99661 26241 23663 58737 25504 99262 07352 67639 10096 61589
10638 16450 86675 60142 46816 40087 46993 14489 92797 93483
92648 42273 60022 24925 95509 30061 92424 84635 34404 85529
71144 67054 00259 31946 30655 10247 86892 30865 16010 00880
09639 43988 35886 58194 18988 70119 91121 95433 01431 18161
83419 82133 84704 02072 33927 55741 89621 68749 66358 55986
95655 94745 34351 80436 12501 12780 97761 84690 74763 53963
77560 75630 01991 16697 44037 71185 91219 98151 17991 25028
34232 49297 89592 39657 76700 39396 84620 16295 61423 40906
32734 15032 22823 70742 17495 23675 24904 48807 12811 58714
59857 59757 35496 46860 49491 28924 68621 60584 16690 48330
35371 06103 19068 13748 28054 87234 62030 58725 22001 93584
33412 96519 28989 86466 26878 05890 69926 81035 46292 21658
71446 48031 08226 16008 16124 83600 84795 81436 00986 20619
54027 51305 84021 79954 49918 18921 23352 85107 29404 41102
38780 88672 98398 37140 50376 84048 64108 19121 73813 00845
05805 14521 77122 07412 81234 67038 28562 68943 10870 26568
90287 34578 07176 64291 37514 51943 41080 73789 07848 32580
62841 44132 10485 16685 19505 15880 49959 10597 36114 55931
44133 95492 52891 12152 41106 30693 35559 33734 64741 00046
00993 68210 43496 74811 25391 71065 02233 91489 27158 88886
21714 68019 41677 01982 95450 06807 30167 37415 38614 57994
89805 88379 28676 41433 57316 00866 82475 50772 23191 13546
99405 88124 98754 61822 25395 02734 03240 81967 17375 32077
63072 76310 12936 68853 40556 25383 34828 02288 34131 57982
85030 07186 17407 15086 08045 79179 09154 68540 28125 39609
91431 80483 90112 58462 18061 14421 58578 68820 80602 33899
54950 71252 24055 49721 37313 51575 29437 01627 52580 60441
05458 85383 15709 28178 56455 61233 95655 13311 18793 04618
12758 08228 82896 85121 77229 50400 43127 84588 23456 12611
42674 90324 19779 70624 05651 24341 58455 71737 73591 94567
55481 52641 88519 78979 14965 80040 89799 78568 37736 12467
16934 00101 78891 06714 35511 54595 83936 17346 28481 82469
58245 62705 19957 41271 49496 55865 23717 16954 47787 23959
33602 44624 33119 64324 98001 49697 24923 10907 45602 45398
13327 09351 54591 47554 76854 47355 00000

Link 40133

17503/15763/13926 kHz, 10-08, 2100/2110/2120 UTC

11166 40133 13579 10001 00049 00000 00000 0000 00000

17503/15763/13926 kHz, 24-08, 2100/2110/2120 UTC

11166 40133 17935 24001 00049 00000 00000 00000 00000

17503/15763/13926 kHz, 31-08, 2100/2110/2120 UTC

11166 40133 36987 31001 00049 00000 00000 00000 00000

Link 40034

13974/12059/10165 kHz, 13-08, 1600/1620/1620 UTC

11166 40034 17935 12005 02379
96115 91591 99667 04188 25857 46261 17176 84334 48486 63326
94264 89423 76373 35959 28404 39900 52144 54319 30526 66071
80635 84064 11315 08347 73830 09801 92212 41012 13480 66913
58323 05472 61078 10210 95387 63908 69893 92826 78039 09283
78735 53814 01509 92628 92154 37861 73977 53557 76742 95577
11761 64933 28242 37792 04514 27644 89147 42276 42641 76400
21472 36362 24103 82518 64387 03866 82799 64604 31407 89770
05733 43090 26810 01100 31118 99551 85994 27417 44641 26753
69441 29396 16053 80351 64975 68892 43273 68194 78019 78954
96215 38155 14524 97219 77492 50444 86256 11121 42212 45327
93149 88349 44043 42188 62373 91010 99729 30882 48847 96901
89261 41311 26862 76369 33868 02157 27494 98154 19034 24713
01519 62694 54728 72749 12495 86289 90012 04356 89710 84599
24250 96689 95685 28884 82069 89571 87904 73435 44295 08874
79480 77649 52015 55617 28434 71151 25985 71744 10267 35430
68553 18477 53529 00418 40286 28218 43059 79439 28496 15919
20587 90989 49845 60865 37392 40755 54223 94800 38694 62328
22077 57343 84472 40059 72391 04621 36401 62461 23497 82069
65578 79632 73897 97325 60748 63108 95310 54157 41702 91598
55090 33365 07535 11041 10248 31594 74456 42408 40228 93994
82844 35703 10651 01668 78216 93589 85192 99832 95820 13081
27805 77651 03522 18739 62448 35661 82684 85812 82531 01729
51723 76757 27253 81485 62017 39564 67017 54175 20882 41350
65122 49837 21273 35639 07906 05235 00000

Link 60070

10268/8155/6934 kHz, 13-08, 0030/0040/0050 UTC

11166 60070 14279 13075 00049 00000 00000 00000 00000

10268/8155/6934 kHz, 20-08, 0030/0040/0050 UTC

11166 60070 36987 20001 00049 00000 00000 00000 00000

10268/8155/6934 kHz, 27-08, 0030/0040/0050 UTC

11166 60070 13579 27001 00049 00000 00000 00000 00000

Link 70048

11484/9328/7813 kHz, 01-08, 0800/0810/0820 UTC

11166 70048 36987 01001 00049 00000 00000 00000 00000

11484/9328/7813 kHz, 08-08, 0800/0810/0820 UTC

11166 70048 17935 08001 00049 00000 00000 00000 00000

11484/9328/7813 kHz, 15-08, 0800/0810/0820 UTC

11166 70048 78451 15001 00049 00000 00000 00000 00000

11484/9328/7813 kHz, 22-08, 0800/0810/0820 UTC

11166 70048 13579 22001 00049 00000 00000 00000 00000

11484/9328/7813 kHz, 29-08, 0800/0810/0820 UTC

70048 78963 29001 00049 00000 00000 00000 00000

Link 80214

14978/12216/10164 kHz, 01-08, 1330/1340/1350 UTC

11166 80214 49875 01015 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 08-08, 1330/1340/1350 UTC

11166 80214 79123 08045 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 15-08, 1330/1340/1350 UTC

11166 80214 49875 15037 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 22-08, 1330/1340/1350 UTC

11166 80214 49875 01122 00049 00000 00000 00000 00000

14978/12216/10164 kHz, 29-08, 1330/1340/1350 UTC

11166 80214 25893 29029 00049 00000 00000 00000 00000

Link 90017

13569/11154/9218 kHz, 13-08, 1520/1530/1540 UTC

11166 90017 12587 12006 00589

33823 28933 77955 91323 28978 43897 39649 88745 33803 21360

17360 47965 76477 33923 07681 94784 75244 93973 53366 22163

65775 09235 14892 16726 77454 82961 65145 00992 88286 07194

49456 02266 13092 22515 78141 84126 04700 42754 43764 01450

72814 68068 80278 64902 50242 34833 06264 25853 61175 75797

19424 17618 71208 88923 34546 14009 06056 00000

X06 - Mazielka

Code	Freq	Date	UTC	Day	Details
X06	9065	8-8	0741	Thu	MFA Moscow clg 561243: Russian embassy Helsinki
X06	14720	16-8	0757	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi
X06	19405	16-8	0827	Fri	MFA Moscow clg 352416: Unid Russian embassy
X06	12094	16-8	0830	Fri	MFA Moscow clg 324615: Russian embassy Madrid
X06	10653	23-8	0844	Fri	MFA Moscow clg 356412: Russian embassy Berlin
X06b	9064	3-8	1242	Sat	Sequence: 111666 before E07
X06b	9064	3-8	1244	Sat	Sequence: 111666 before E07
X06b	10559	13-8	2003	Tue	Sequence: 111666 before XPA2
X06b	10559	13-8	2005	Tue	Sequence: 111666 before XPA2
X06b	11450	21-8	0850	Wed	Sequence: 11166
X06b	12450	21-8	0946	Wed	Sequence: 11166
X06b	11450	21-8	0948	Wed	Sequence: 11166
X06b	11450	21-8	1133	Wed	Sequence: 11166

XPA1

10234/11511/12117 kHz, 01-08, 0710/0730/0750 UTC

829 829 829 1 829 829 829 1 829 829 829 1
00589 00102 41976 92498 91506 17850 33158 86537 04603 48382
89288 13608 81028 22259 35991 07842 12198 80071 80362 97565
34199 68418 66131 41263 26134 56808 26579 02429 63781 25259
87707 92582 09439 81878 13493 19247 34233 39758 33537 61874
73835 56639 46219 91675 71222 33090 49756 35783 77659 56248
02975 36056 00104 07559 82658 75792 86541 11451 62329 28318
96706 12292 45122 32882 33873 77823 67850 97473 00374 25022
99552 80268 01602 89228 72926 20692 86505 09298 48069 25599
48274 92296 05664 97571 30713 20950 02530 78645 22013 10659
64287 02455 94600 63882 08536 95325 12888 08566 73560 75311
96242 37465 79745 11882 33562

10234/11511/12117 kHz, 06-08, 0710/0730/0750 UTC

829 829 829 000
06256 00001 00000 35263

10234/11511/12117 kHz, 08-08, 0710/0730/0750 UTC

829 829 829 000
03605 00001 00000 36653

10234/11511/12117 kHz, 15-08, 0710/0730/0750 UTC

829 829 829 000
08668 00001 00000 40266

10234/11511/12117 kHz, 20-08, 0710/0730/0750 UTC

829 829 829 000
06402 00001 00000 34256

10234/11511/12117 kHz, 22-08, 0710/0730/0750 UTC

829 829 829 000
01830 00001 00000 35254

10234/11511/12117 kHz, 27-08, 0710/0730/0750 UTC

829 829 829 000
04631 00001 00000 34657

10234/11511/12117 kHz, 29-08, 0710/0730/0750 UTC

829 829 829 000
04408 00001 00000 37254

XPA2

14372/13372/12172 kHz. 01-08/03-08/08-08/10-08, 0910/0930/0950 UTC

09173 00045 24602 65471 05881 94362 30055 45068 63338 86326
13333 83002 87338 82508 46686 04866 17831 56363 00346 44114
64602 16680 82678 42606 40756 63085 60858 33605 00065 15633
06063 62625 58270 57284 85600 77453 77657 46480 53905 44785
33657 27896 89091 13671 79134 60801 01718 52375

10278/12178/13478 kHz, 05-08/07-08, 0700/0720/0740 UTC

06163 00100 63542 36611 09313 94179 84914 63689 02468 14164
95406 12205 19095 10882 11498 61012 03243 20822 28378 37987
21248 12412 56476 69143 09930 92558 60546 47212 55454 98129
75795 67638 43768 36731 08630 10707 52213 00395 03967 58587
47486 93334 40891 20365 25476 62867 56067 69958 14671 67155
37506 53854 34489 72013 17749 61145 27453 92258 44685 93151
64342 89947 85622 07316 81118 22266 77795 16266 57497 05701
81312 63011 87055 81802 18707 90388 86331 56860 93519 59422
26347 06945 35330 66363 54198 11181 79212 09222 77754 22693
75530 60372 08969 81172 21983 20530 48947 46341 93773 24256
56059 34727 55173

13825/12125/11025 kHz, 05-08/10-08, 1500/1520/1540 UTC

08883 00250 34100 05692 40775 69954 97854 62074 51774 15079
93814 95320 90346 37511 10441 57601 57329 34219 31265 35067
01820 94270 70305 79111 77660 86038 57635 56002 73518 97043
46816 58662 44025 46123 72992 03943 09426 24234 14505 57412
66236 19314 73968 29312 91730 79031 86911 25117 35527 30790
07404 02867 60692 00195 94447 05500 60712 87574 86475 09093
47800 11215 68354 90582 72901 60763 40208 29798 31985 67056
46788 32218 55779 89847 63340 34775 98239 12677 49790 79399
12378 69848 84333 78311 56720 88896 03998 66508 83017 78007
19606 15914 20973 31440 97817 97837 22247 80785 39143 72575
83505 09601 34282 86766 99592 50277 19859 20823 13495 79439
23326 26088 97820 32261 80869 44374 23635 93036 36453 81176
41556 73310 28108 68460 06972 62116 46320 09025 73657 47371
54975 89105 47034 46593 53409 25506 47802 70063 35656 70935
11369 40085 69894 71700 15790 60868 42538 88754 08054 13474
77861 17155 44949 83930 37711 52872 10660 40619 42901 44036
95142 25104 09362 69132 78821 97064 60378 57965 57836 16853
16295 38230 18616 00658 58067 59819 66247 26933 41212 30464
66783 50408 69754 02862 56549 45703 89915 04540 97052 96536
06582 52522 78511 81909 28426 26985 24891 19132 19412 99675
17875 12268 80656 82997 12982 59909 32124 25348 76894 81394
39064 86392 18309 19555 91044 35780 86582 54744 19968 87662
62293 86450 83902 88669 70680 80518 18645 22531 14714 75634
97351 37680 31115 15629 50700 00366 49619 85666 15917 57551
37868 20519 56874 86089 14183 46318 50079 60735 30791 27758
87033 84566 70635

14864/14364/13646 kHz, 06-08/08-08, 1600/1620/1640 UTC

08798 00201 63738 15880 42981 82702 85393 90351 33193 72140
71542 20118 38718 87705 71689 70299 62248 79776 11598 74865
05243 13216 16079 24321 75228 98949 75189 08184 95820 16091
69765 04641 92578 93264 67038 34420 89896 14643 61170 91169
31075 66446 85155 54741 61853 48693 38289 83047 80852 72594
25173 06723 87877 53063 68499 11479 10873 48395 23569 44363
80892 65183 48462 76201 27276 42137 79455 08828 64254 42207
56436 07776 95913 16703 91591 17778 21558 08555 72811 79862
89210 15073 04455 39611 35302 09291 95782 67562 78399 72713
21019 94470 12320 18115 94169 16374 02763 43509 05821 68878
44496 77201 20849 75088 76039 78177 69303 97340 20980 13183
33656 36944 32426 27833 51630 20055 59863 79368 63327 52841
50067 82600 72469 19128 29887 24094 54457 54987 88261 36625
85917 20258 16339 94962 56106 45273 13040 46819 46066 54207
29088 74133 51173 06361 65822 81473 78759 98894 14852 96144
71885 51411 34116 78081 71049 32147 70624 45056 85743 32379
94473 52865 41482 73830 46753 16336 23126 63303 55366 52023
23785 11993 97997 59039 86716 19045 15002 58118 53334 12266
10646 35753 38148 67341 14278 27860 72410 71004 60066 10460
86176 25983 82539 31349 51212 82311 57796 58106 61559 54620
01662 93997 91356 70777

12159/11559/10559 kHz, 06-08, 2100/2120/2140 UTC

Fading. Bad copy of all transmissions.

00153 00096 04838 59907 02998 77728 13333 55353 88384 66001
66019 85911 43391 84858 32330 55668 17005 37776 45733 31015
48753 24028 69212 24480 46460 28883 81844 38888 63554 00147
33603 10362 48033 63583 57610 50168 25423 88877 43147 83126
64408 35788 08670 44355 02332 18768 87295 54750 28315 14255
32552 81546 01625 84835 82937 25494 37x70 66560 77565 361x6
02043 00507 360xx 05028 46070 24451 57669 5877x xx708 04853
00102 91271 08482 46630 01718 15884 67588 16757 61118 40084
77318 12378 37118 20059 60155 26363 23430 66160 57444 16825
60223 75001 81870 88387 84191 03858 11871 55684 61210

18059/16093/14874 kHz, 07-08, 0910/0930/0950 UTC

00400 00200 58405 53369 87461 79365 16017 62864 34589 24501
74213 83305 02535 13414 76020 40123 51458 12557 44902 74491
58985 83844 65619 65588 01139 47292 87172 90396 83124 74693
01405 50146 28720 06564 17980 44141 20763 67236 03271 84181
89021 26903 79060 39342 10911 60277 08233 12476 12731 81479
11763 99922 70476 47440 97326 88382 83461 89848 07552 96531
92737 74228 77592 74169 47757 26568 47842 80141 14281 63353
80208 56142 53889 59339 70994 31108 15293 00142 33651 20581
69142 42029 76881 96778 42168 22306 78248 93898 44529 88453
21297 06872 18758 11522 12700 88284 67169 85749 69506 49216
42861 18992 99491 00389 55573 18127 04249 32668 30890 73438
19216 13016 75931 71296 29733 91115 82503 78997 38628 74095
59830 66162 07769 86135 39434 07723 00439 63400 26531 05158
45429 08485 64727 09546 00001 17565 52846 71586 21630 40887
06327 52483 49427 88346 74250 82720 32909 03992 69613 43219
94408 92753 22263 73794 46907 47009 84434 19158 05584 50414
98504 61873 01279 25398 30279 93615 65103 09388 39928 87331
99324 09320 47167 82826 24607 60095 39257 50576 01587 29462
80071 18027 57006 83175 42578 87950 18590 80662 47367 72991
59178 74243 25761 75037 35383 78780 66500 47265 99320 02362
85079 48978 61767

16219 kHz, 07-08, 1240 UTC

08378 00078 36820 12941 62891 51044 57120 64937 89030 90855
67051 24389 69845 79937 78845 67182 21943 59930 11296 26244
50371 40911 00760 74702 73855 37850 12472 67090 23693 87843
10319 50657 37872 34389 61859 88209 33285 57905 38274 93139
40920 67365 73207 35966 49923 02328 37142 23996 77808 27432
25887 09556 70008 00341 16621 05368 26291 05783 57015 63732
82332 78417 00726 89860 59511 52746 80784 39271 85160 22571
04774 65242 17910 58933 34989 07178 19812 17071 82285 24260
17025

12159/11559/10559 kHz, 11-08/13-08, 2100/2120/2140 UTC

00143 00100 55807 76741 03211 39535 66518 35229 86003 44319
93041 33623 10515 80307 48165 71306 12229 32984 91325 10093
47764 98948 06386 50811 94223 69178 25880 71206 12341 36574
40226 88707 70810 59392 65266 61709 83564 41789 03853 79713
89067 90774 22912 28593 57300 14415 41457 51853 22258 06737
87075 62376 87158 91700 41806 63322 82557 00233 41498 44679
82307 46285 08975 74310 77968 82860 58621 51073 64169 57500
02331 69406 27348 15818 71906 58195 43662 62903 20843 47717
91547 59270 91615 60697 62085 51805 26139 06413 79916 53515
12390 81280 73538 38136 76991 57051 52233 92422 65003 58997
27846 38822 61135

10278/12178/13478 kHz, 12-08/14-08, 0700/0720/0740 UTC

00501 00096 67555 86867 43497 82063 60426 36787 90026 79765
10955 89797 92392 02723 23671 11145 33603 32345 59297 63597
06868 60385 48189 31264 03572 52817 28543 36820 89183 59309
14903 36437 04470 49056 40900 51483 38400 61847 73794 97579
91714 76595 35921 22569 35711 80409 14958 46256 75742 39372
76172 70519 73472 91753 14759 53252 64839 65362 69938 96645
13470 42858 22131 56414 44134 95158 71650 61550 34733 17629
40575 99245 15368 15058 86999 75732 90985 67854 92303 88733
23494 76272 44810 18597 51615 67776 14960 40926 23882 99778
43641 84422 02274 21179 46529 55938 06691 37049 73673

18059/16093/14874 kHz, 12-08, 0910/0930/0950 UTC

00506 00035 04141 08150 08358 13441 63461 94793 36582 93615
70495 10993 48431 56979 98303 76318 54812 62563 15980 62431
28504 46378 56525 90374 93177 56088 31737 07884 56945 31629
89762 16202 75859 80375 55637 97471 21335 23363

13825/12125/11025 kHz, 13-08, 1500/1520/1540 UTC

02243 00001 00000 33656

14864/14364/13646 kHz, 13-08, 1600/1620/1640 UTC

04209 00001 00000 36654

13919/14719/16219 kHz, 14-08/16-08, 1200/1220/1240 UTC

00404 00096 93384 02666 63969 72950 62969 39581 48493 18527
79607 11870 46099 86093 40133 83857 03974 08561 06009 12759
00203 64173 24660 89516 62475 65968 27167 11683 29291 12017
74937 80790 61566 15662 82677 33654 44911 31865 31547 52710
98088 74095 29418 71512 73510 96015 05235 36837 21015 74611
84319 00379 36035 79437 42626 94202 80120 56269 19236 57707
40483 92209 37661 84859 50835 82324 91116 82071 01575 52256
69803 34835 38726 21833 47079 85649 76851 45156 15929 60478
68873 03274 75961 87951 52469 06307 31149 33999 93772 81221
05951 02155 37075 29802 78627 35563 28587 64016 56573

14372/13372/12172 kHz. 15-08/17-08, 0910/0930/0950 UTC

00642 00051 40881 21781 75760 80799 58819 91254 13406 38891
61608 64027 24373 24951 20645 39537 09117 42062 69166 20072
24670 74159 53353 46791 87905 09259 29500 20449 90720 22547
22142 44758 78749 39251 02744 31872 62315 27443 96504 75227
40377 71612 95557 37016 10432 57326 07496 00879 37144 07092
97569 26580 40220 57751

14864/14364/13646 kHz, 16-08, 1600/1620/1640 UTC

04036 00001 00000 34257

13825/12125/11025 kHz, 17-08, 1500/1520/1540 UTC

01445 00001 00000 35655

12159/11559/10559 kHz, 18-08/21-08, 2100/2120/2140 UTC

00339 00096 71715 65631 83781 93275 95529 62534 90223 99940
27179 88301 97817 33983 88852 39211 99713 16357 27635 47320
80584 16645 85577 85164 80521 69985 99709 38804 94936 58226
04514 29713 72718 62526 05427 95243 81236 68716 27703 61760
63065 54298 46912 65052 56854 06607 58278 19233 52498 50504
14368 90610 93149 22712 51145 41511 85974 15993 94008 71699
25614 05325 78562 51900 03839 78433 84684 86960 64290 62472
38592 66158 00587 30799 67146 94214 06281 08735 90352 98357
20595 83631 61172 83422 98714 09670 56676 22043 10102 62087
72878 86056 32018 09882 25117 34583 51517 26886 37074

13825/12125/11025 kHz, 19-08/24-08, 1500/1520/1540 UTC

09161 00124 51255 18387 86840 82030 96676 96385 51318 06601
99915 51158 15806 46265 18301 34986 57152 46450 48949 26647
29873 13330 51038 56445 57363 68340 57023 90982 70896 40037
50313 81258 61224 53771 80693 90482 20132 34401 38726 61237
86962 68085 37034 17807 87406 04725 69081 95722 50055 58509
77210 27668 52316 54034 86042 18038 95756 81756 85623 60805
88516 20430 06019 16823 89132 24832 78006 17188 45719 07291
93008 48871 14024 45277 26841 14993 86603 57719 24511 42545
04619 95863 25039 47615 37807 06214 61153 64572 74615 01306
03627 14240 06184 48093 84214 02658 38184 30288 06871 08710
18228 86345 74538 18823 09184 75166 25327 41703 47551 58740
34984 93167 12112 71728 03587 51292 62921 81572 82705 75741
94840 92842 58302 39352 25161 24751 23570

14864/14364/13646 kHz, 20-08/22-08, 1600/1620/1640 UTC

06596 00294 97343 58763 92133 21079 14622 08618 49931 28131
15844 87620 23463 33881 29687 47963 92328 12941 21191 91436
41452 22547 01894 85012 99175 72203 15141 45960 05704 76330
36442 74354 47392 31657 58683 45679 87460 68400 33670 31352
64308 19930 98981 46986 16412 68159 15081 37744 38675 07584
16919 74463 22648 94046 40472 22957 97097 61687 76181 08430
90889 85255 28252 61420 33344 37823 46451 70843 30369 86013
56146 40179 13128 36759 96444 96370 08074 71510 21419 70471
98206 98188 46977 64670 48285 09929 27498 82673 23500 61735
08957 58793 51405 54043 81411 50992 83481 98379 77133 32698
08909 46696 46701 32788 03474 48276 19143 65157 06640 04893
92063 79009 74381 15999 06342 58488 58687 24104 38942 32481
54975 38062 38021 45330 98210 23642 65247 42974 10337 60697
07171 74146 41894 31919 04438 41601 66105 46702 01053 36048
26531 47431 16176 56010 41015 48793 84056 65700 02380 66890
51863 54418 28200 52623 24832 99332 63196 86102 53764 74877
53672 55758 84622 36788 55643 24710 41526 93196 60384 63374
87428 27450 86569 16484 06453 53901 77297 56108 69468 80113
46933 43971 76259 55675 14516 53454 32029 46603 92070 85157
23562 48990 47013 50272 27945 19605 79414 22831 10030 04930
09867 44970 31690 35049 47619 19742 17130 05231 39691 00849
38041 72663 78278 35526 21866 64171 37636 41387 73625 76034
40346 17853 28978 50714 25799 04103 76684 41084 86031 75215
78722 15859 80554 14385 10578 86092 49712 28408 28815 14917
65427 31621 37411 03476 95540 57902 52545 89741 61035 00364
51084 17593 23023 02597 89674 77683 00084 53299 64998 70223
82581 93877 70709 90007 83939 96502 65082 97724 53496 79090
59194 33024 10969 80565 57724 61162 62379 61974 39965 93124
59105 35466 50204 17722 50271 68456 60379 52966 72431 01802
46820 08966 02353 75343 08767 50228 47154

12152/13552/13952 kHz, 21-08, 0700/0720/0740 UTC

00501 00096 67555 86867 43497 82063 60426 36787 90026 79765
10955 89797 92392 02723 23671 11145 33603 32345 59297 63597
06868 60385 48189 31264 03572 52817 28543 36820 89183 59309
14903 36437 04470 49056 40900 51483 38400 61847 73794 97579
91714 76595 35921 22569 35711 80409 14958 46256 75742 39372
76172 70519 73472 91753 14759 53252 64839 65362 69938 96645
13470 42858 22131 56414 44134 95158 71650 61550 34733 17629
40575 99245 15368 15058 86999 75732 90985 67854 92303 88733
23494 76272 44810 18597 51615 67776 14960 40926 23882 99778
43641 84422 02274 21179 46529 55938 06691 37049 73673

18059/16093/14874 kHz, 21-08, 0910/0930/0950 UTC

01052 00001 00000 32256

13919/14719/16219 kHz, 21-08/23-08, 1200/1220/1240 UTC

00451 00100 94860 23688 74860 72407 15805 63263 73730 94729
54474 66427 31563 10226 81806 32596 00074 66824 75896 00797
28180 19322 73195 06592 05034 61084 76469 93286 21580 98207
56601 19793 95995 22133 36886 37652 92123 85644 24732 21704
26949 47871 91604 16164 30223 18015 42026 47426 02799 05983
23865 77322 89374 61269 04262 14427 10942 43964 81464 73667
96549 37921 91982 47147 16516 49286 53118 20325 17159 27020
94087 93723 35148 47761 83493 68456 57409 50261 53914 54368
22287 15685 54590 92581 04850 05264 98226 97305 24472 58262
69303 06728 97335 69540 33814 26463 36081 97061 43547 64177
13670 76839 11125

14372/13372/12172 kHz, 22-08, 0910/0930/0950 UTC

08498 00001 00000 37271

14372/13372/12172 kHz, 24-08, 0910/0930/0950 UTC

04198 00001 00000 35665

12159/11559/10559 kHz, 25-08/27-08, 2100/2120/2140 UTC

00639 00090 07578 23667 18554 62073 85471 41745 85117 65396
88724 68416 03774 29975 71552 72524 38268 82272 98135 01759
31637 86846 68492 64653 78274 73306 06738 01221 60509 83285
88655 57643 59299 81605 14797 41303 68573 71995 47443 81314
74574 80827 12102 08274 61449 48169 00857 51615 12263 54199
09462 51257 30657 96543 03874 20940 58893 18547 46544 97157
31509 08406 58871 18575 19567 62313 16389 16685 86480 91922
89819 32952 77023 17530 97936 30531 23553 08649 44130 36211
35433 66916 90812 59710 14138 94761 67006 43858 76255 70667
21325 73030 27624

12152/13552/13952 kHz, 26-08/28-08, 0700/0720/0740 UTC

00186 00065 59701 48997 89509 35763 02453 80123 92796 69436
38820 74378 19651 58830 92291 28424 76931 43513 88994 02614
93392 15524 40542 69838 47898 34631 70191 24939 74352 15298
77941 59239 58351 77951 25861 63027 86663 27931 64410 94298
51674 84026 80143 27907 21578 54138 88113 98015 64830 81294
65578 78531 20333 21142 36478 44757 59558 56750 86001 16966
37505 44207 43171 64308 25946 58146 58320 06206

13825/12125/11025 kHz, 26-08, 1500/1520/1540 UTC

02277 00001 00000 35661

14864/14364/13646 kHz, 27-08, 1600/1620/1640 UTC

02836 00001 00000 40255

13919/14719/16219 kHz, 28-08/30-08, 1200/1220/1240 UTC

00312 00096 73414 17273 58912 99819 18062 07837 84196 19627
58754 17415 32717 41574 09882 54511 84236 52295 90285 48219
50236 88983 83410 78393 25093 72172 64476 98385 80832 46049
90705 69029 72748 02846 27443 33174 21211 44269 54928 06568
86498 68132 14467 90482 84204 41446 13056 17852 11726 95532
17926 47067 39498 75422 45845 87599 07140 51774 98741 13983
61750 84316 32795 65659 01964 20175 01552 02247 77436 89578
71998 73418 18126 93900 80584 32888 55220 72025 12660 45342
01901 52495 54945 31685 53677 96065 12186 72213 75955 18622
01416 71184 23213 76139 06764 55634 31605 35867 00533

14372/13372/12172 kHz, 29-08/31-08, 0910/0930/0950 UTC

07990 00093 04704 84205 62777 10688 63900 40744 36969 78900
65957 16185 86848 04870 31670 97969 38196 95370 17975 91988
16407 01985 35722 49761 06941 10238 23488 16747 52345 53629
87956 80567 57948 40638 84457 84518 89848 13757 03246 28852
19285 79637 70828 38947 68261 73766 77663 26361 22969 96971
07965 16050 79514 26242 30746 63167 32221 34874 61189 08842
07954 06284 54418 06253 23194 45980 90980 44697 31792 47554
37446 58402 93235 67564 64688 86874 50814 62811 53102 30727
09933 99795 93891 70589 83229 70819 37292 81695 78086 18645
87865 09665 93291 76245 77498 62442

14864/14364/13646 kHz, 29-08, 1600/1620/1640 UTC

07626 00001 00000 37261

13825/12125/11025 kHz, 31-08, 1500/1520/1540 UTC

05528 00001 00000 37657

XPB

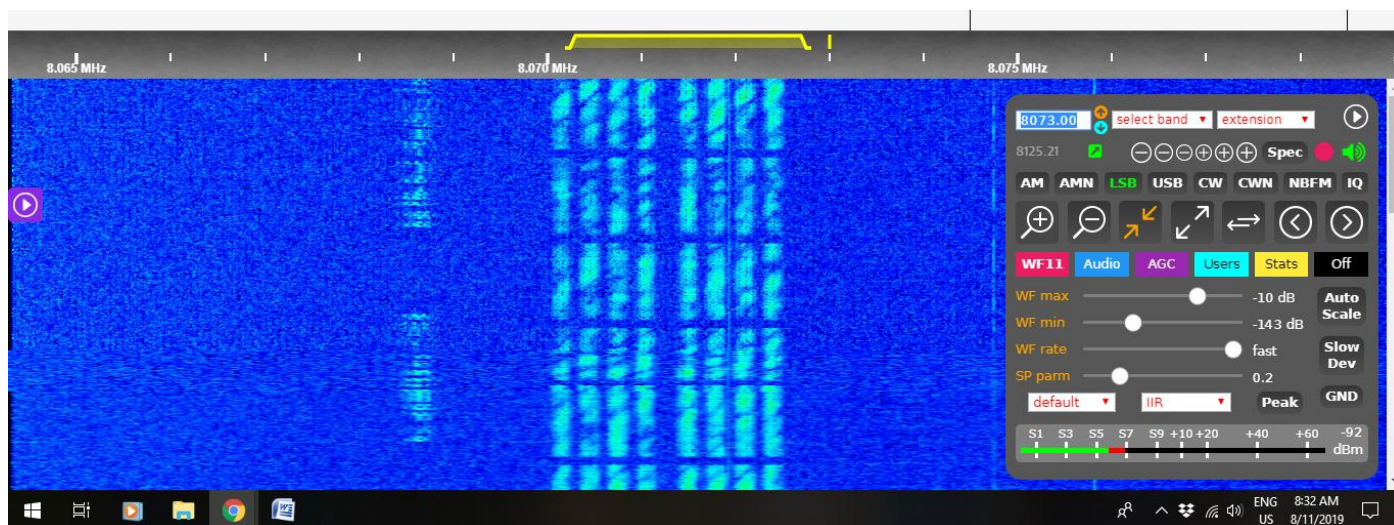
14918, 13918, 12218, 11118, 10218, 9118 kHz, 04-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 06-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 11-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 13-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 18-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 20-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 25-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC
14918, 13918, 12218, 11118, 10218, 9118 kHz, 27-08, 1900, 1910, 1920, 1930, 1949, 1950 UTC

Q26 - Chinese military

4364//8073 kHz, 09-08, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB.

Q26 had technical problems for several days. Here is a screen shot of the Q26 8073 technical issue made by JPL.
You can see that the transmission briefly stops every 3 seconds.

See also the Logs Section for more logs.



DIPLOMATIC STATIONS

North Korean diplomatic stations

14416 kHz, 01-08, 1431 UTC, DPRK-ARQ 600 LSB
14444 kHz, 01-08, 1431 UTC, DPRK-ARQ 600 LSB
16225 kHz, 01-08, 1431 UTC, DPRK-ARQ 600 LSB
12102 kHz, 02-08, 0830 UTC, DPRK-ARQ 600 LSB
14410 kHz, 10-08, 1303 UTC, DPRK-ARQ 600 LSB
13372 kHz, 21-08, 0712 UTC, DPRK-ARQ 600 LSB
14410 kHz, 27-08, 1353 UTC, DPRK-ARQ 600 LSB
14416 kHz, 27-08, 1353 UTC, DPRK-ARQ 600 LSB
16750 kHz, 28-08, 0835 UTC, DPRK-ARQ 600 LSB

Egyptian diplomatic stations

16223.7 kHz, 08-08, 0635 UTC, SITOR-A 100/170

MFA Cairo clg OOVF: Egyptian embassy Pyongyang

14716.7 kHz, 28-08, 1432 UTC, SITOR-A 100/170

71: Egyptian Military Intelligence Cairo encrypted msg to TVVX: Egyptian embassy Algiers

FROM : 71

TO : ALGERIA

TIME & DATE: 16:05, WEDNESDAY, AUGUST 28, 2019

NUMBER OF GROUPS: 316

URGENT

=====

002D9 8691C 0066A 4F826 D91CA 6BB36 AB6AB C89F3 03E66 2CAA3
CE010 100C3 28479 08B19 0F1F1 93919 E5BDE 83711 96BB0 F2CE8
B9585 BDB9C 689F6 E0BBF 20DB5 456E9 49036 9F86F CEA39 98AE6
32154 7F68B 3724B EB876 F8ED2 6A481 86953 98BF1 0A11D CB2D8
27E31 3CFE4 A87E0 F3B42 28746 9B662 33BA1 7BF7D D8718 B2725
5A865 9626D 7EECF QOFB6 C6FD0 A9664 86166 793C5 6D3A6 17270
20D98 ACE75 DDD51 967F1 C799A A81AE 52D7C 083D2 E4153 5D369
D82E2 0A69C 4EB21 83750 AARC9 UPFB4 1E144 5C92B 6B1BB F.5 =/

TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX

OBCFB 59551 69F6A A33B1 008EC 45CF9 695AC 3C8F3 89656 5C33C
B0586 B874B D743F 3D25D EB825 FD7F8 4CCEF 0F24F AFB60 83707
021A8 598D8 35867 587CD 5B1A7 CC0E2 BFDAC

TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX

913CB OBCFW PUYOU PD4CE A8320 C4D7B 801FB 969B0 2E85B B8011
199EC 2FAE9 7D0C4 FF5A8 42A04 970FF 2D94B 6DB95 2AB9C 4507A
F7049 5CD60 56C44 6E8A2 8FAA3 ACD59 A35E4 73A96 C9016 7B628
C0741 EFFD5 14B3B 4C4A9 70F44 B015F C771A 64B10 66D67 D9EED
E88F7 CAEE5 F15EE B0DEA 6DD0B 85481 49324 9EBBF 1DA54 F3D83

TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX TVVX

UTILITY ROUND-UP

North Korean Military

3311.6 kHz, 23-08, 1952 UTC, CW, i.p.

R59026 R97026 R78828 R84667 R02062 R73679 KKK

ABV .. =

..11459 R97047 R32086 R32026 R59026 R97026 R78828 R84667 R02062 R83679 KKK

COMFFF = =

0500 R315 R05 R15 R75 R06 R750 R11 R00TEEE K 64 = =

0500 R315 R05 R15 R75 R06 R750 R11 R001.E KKK

DE KC.MJ K

GA.. A9 VDM4 A RUMARUWGWGMATCMAT. = =

16473 R92050 R32026 R39326 R67028 R33745 R32043 R92541 R43452 R14069 K

ABV =

16473 R92060 R32026 R39326 R67028 R33745 R32043 R92541 R43452 R14069 K

CMMFF =

0500 R300 R0.20 R75 R06 R757 R11 R00 R99 R0.5 K

ABV = = =

0500 R300 R05N20 R75 R06 R757 R11 R00 R99 R0.5 K MJ

5344 kHz, 28-08, 0800 UTC, i.p.

CQ de 96A QSA ? K

The following unid stations are North Korean stations, most likely North Korean navy vessels. They seem to have a daily schedule around 2200 UTC. The locations given in the messages all are near North Korea, often inside the territorial waters. The red part of the text marks the coordinates. All traffic is in Morse. All traffic was heard on web SDRs in SE Asia by JPL and F5JBR.

4116.5 kHz, 23-08, 2206 UTC, i.p.

QTH 42AAA 01/130AAA 48/29 K QSL ?

QSL ?

= = = 05WA QTH 42AAA 01/130AAA48/29 K QSL ?

OK VVV AJ52 AJ52 OP 51/?

VVV AJ52 AJ52 DE AJ54 AJ54 QRK ?

QRV 5 OP 51 ?

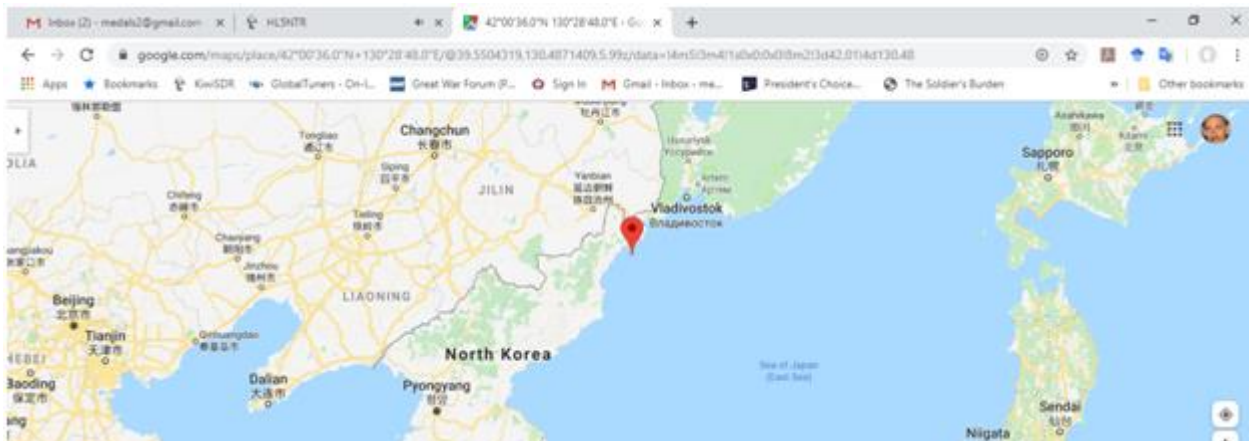
51/100 ?

VVV OP 51 ?

VVV AJ51 AJ51 GA ?

= = 05WA OP 51/100 K QSL ?

QRX 19A/00 OK SK GB



4116.5 kHz, 25-08, 2202 UTC, i.p.

Logged by JP on web sdr South Korea

VVV DE AJ54 AJ54 QRK 3 ?

QTH **42AAA03/130AAA43**/25 K

QSL ?

QRU

VVV AJ52 AJ52 AJ52 DE AJ54 AJ54 QRK ?

QRV 5 GA

OK OK AS

VVV AJ51 AJ51 GA ?

= AJ.. QTH R QTH **41AAA57/131AAA00**/29 K QSL ?

RPT

VVV A3S 2ARTH 2 QRK ?

QTC QQTC BT

GSGUF WEB KDVEN QSL ?

XB A WEB KDVENT QSL ?

== == PHLDL GHGUF WEB KDVEN QSL ?

OK OK VVV AJ51 AJ51 GA K

VVV DTDEJ

VVV AJ54 DE AJ54 QRK 1 GA

= = MSKTG KDVPT FBEVJ EVEFD FLE ?

= = MHKTG KDVPT NBEVJ EVEFD FLE ?

QSL ?

19/00 OK SK GB

VVV AJ52 AJ52 DE AJ54 QRK ?

QRK 5 OP 51 ?

M OP 51 ?

OK OK SK GB



Comment from JPL:

As a result of operator chat, I decided to check if this family had other skeds. It was mentioned several times that 19/00 was the next sked. Turns out that this equates to 1000z on 4116.5kHz as follows:

4116.5 kHz, 27-08, 1002 UTC

AJ54 QRK 2?

QTH **42AAA04/130AAA47**/27 K QSL ?

QTC .A QTH ?

..2 DE AJ54 AJ54 QRK ?

QN GA

KNLH K QSL ? (Other station 2kcs up)

RPT

O QTH **42AAA00/130AAA52**/25 .. WAPA LA.. PTFL. OUBEU 2100 ..U JSM 2.VLN D

EEE G GUJS K 2LEU A ?

RPT

GGUJS K ?
OK OK = GGUJS K 2LEU L.N LS K QL ?
MT ...
QTC .APA5 PALU WEVGTF
AS
VVV AJ51 AJ51 GA ?
GA K
= = 05WA QTH **42AAA00/130AAA52**/25/WAPA LUWEV PTF LU OUBEU 2100 GGUJS K 2 LE VELWAFEUVLTG. QSL ?
A RFT
= =
WAPA LUWEV PTFLU OUBEU 2100 GGUJSK 2LEVEL WAFEUV LTG K QSL ?
SH
= 3W A = W0 = X WAPA LUWEV PTFLU OUBEU 2100 GGUJSK 2LEVEL WAV FEUV LTG K QSL ?
QSL .. PUWEU KUF ...V .WAF.V LTGK QSL ?
= KEVVS PHL TU GGKDM K QSL ?
K QSL OK C NA T..
QRX 07/00 OK
OK
SK GB
SK

4165 kHz, 28-08, 0900 UTC, i.p. Outstation on 4228 kHz

HOP = QRU 1 QTH 4156/13040 ??
QRU
NIL SK
Location: <https://goo.gl/maps/a13X9N8rPFmh2S3p9>

4117.75 kHz, 28-08, 1001 UTC, i.p.. Previously on 4116.5 kHz. Outstations on 4113/4114 kHz

AJ52 AJ52 DE AJ54 AJ54 QRK ?
QRK 5 GA
...**AAA58/130AAA56**/27 K QSL ? (Up 1 kc)
VVV AJ51 AJ51 DE AJ54 AJ54 QRK ? K
VVV AJ51 AJ51 DE AJ54 AJ54 QRK ? K
VVV AJ51 AJ51 AJ51 DE AJ54 AJ54 AJ54 QRK ? K
VVV AJ51 DE AJ54 QRK ? K (1006z)
QTC QTC QTC = =
QTH **42AAA03/130AAA52**/25 K
51A QTH **41AAA58/130AAA56**/27 K
ABV ABV
QTH **42AAA03/130AAA52**/25 K
51A QTH 41AAA58/130AAA56/27 =
QRX SK

4150 kHz, 28-08, 1122 UTC, i.p.

QRX?
QRX? K
NIL
SK

4150 kHz, 28-08, 1130 UTC, i.p.

LC24 QRK ? K
DE LC21 QRK 5 K
LC24 QRK 1 ? K
LC24 DE LC21 QRK 1 GA K
DE LC21 QTH GA K
LC24 QRX 06.20 K
DE LC21 QTH GA
LC24 NR JEK PHK AR K
LC24 QRK O QRX 06.20 K
DE LC21 QTH QTH GA GA K

Japanese Navy

4577.5 kHz, 28-08, 1103 UTC

JJA20 Japanese Navy Sapporo wkg JJB20 Sandai, JJC20 Tokyo, JJD20 Osaka, JJE20 Kumamoto

US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-08	0111	Relation	30 chr EAM 66GQLV XCO5YBCOF27DOILL2V5PIONW
01-08	1204	Relation	30 chr EAM for Urchin JYKTW7 TSY6QENS3NTQDHNAR3LDNSHF
01-08	1209	Relation	30 chr EAM for Urchin JYKTW7 TSY6QENS3NTQDHNAR3LDNSHF
01-08	1213	Relation	30 chr EAM for Urchin JY54RS KGVZOEYVZTTFX57ACF356PON
01-08	1223	Relation	30 chr EAM for Urchin JYW4T6 M5ZSRL5R7KQZKCN5BD22CAEH
01-08	1253	Relation	30 chr EAM for Urchin JYLX2H 6J2ETYYXJVTMU7VRRAS7ZY2B
01-08	1303	Relation	30 chr EAM for Urchin JY7RQ2 2UGPCBAR5K7B233VV75TACZA
01-08	1501	Relation	52 chr EAM JY7COP VSB7FQPTSOPZQNX3CGE5NHU4CSQPLHX3CYVUOHPGA55JEU
01-08	1526	Relation	30 chr EAM JYG2AW E73MEGXLUA7V4RIMD3VQ46N
01-08	1543	Relation	30 chr EAM 66UEMT 6NSC422FKH42JYKDOOZO6JFU
01-08	1550	Relation	30 chr EAM 66KESV 3ROBC2BSSP6JMOSFXAQBCH5O
01-08	1610	Relation	30 chr EAM JYEEPI PGUO4NRSYFM3LXZJ4VDH2UW7
01-08	1625	Relation	30 chr EAM 66EAUN NZQS2NGZ4IZTGUZTPRVWQAO3
01-08	1748	Relation	30 chr EAM for King-01 JYMMXO 5PS6CRF6IESKQNOUTCYRQF5S
01-08	1758	Relation	30 chr EAM 662UEN P6GCRG3SRQAIDBZP37U5D6YC
01-08	1816	Relation	30 chr EAM 66DDCD ENI2YD342UDSTEABFPOPKGED
01-08	1828	Relation	30 chr EAM 665QU7 6FG2VAEZ2ITNFGYJQR6IF2RV
01-08	1830	Relation	30 chr EAM 662UEN P6GCRG3SRQAIDBZP37U5D6YC
01-08	1834	Relation	30 chr EAM 66B5O6 OTHKDKAZYJVCWNYV5ULMSZH6
01-08	1839	Relation	30 chr EAM 66T6CJ NGDYTOW4QWOSGNLHRJQT6DVC
01-08	1900	Relation	30 chr EAM 662UEN P6GCRG3SRQAIDBZP37U5D6YC
01-08	1923	Relation	30 chr EAM 66WAN2 2RJH6H5BFLEB2BTP73GLITMA
01-08	1932	Relation	30 chr EAM 662UEN P6GCRG3SRQAIDBZP37U5D6YC
01-08	2002	Relation	30 chr EAM 66WAN2 2RJH6H5BFLEB2BTP73GLITMA
01-08	2004	Relation	30 chr EAM 66T6CJ NGDYTOW4QWOSGNLHRJQT6DVC
01-08	2029	Relation	30 chr EAM 66PZJP UPDRUG724SAWZC3FNCGVOU6L
01-08	2033	Relation	30 chr EAM 66WAN2 2RJH6H5BFLEB2BTP73GLITMA
01-08	2037	Relation	30 chr EAM 66B5O6 OTHKDKAZYJVCWNYV5ULMSZH6
01-08	2050	Relation	30 chr EAM 665KQM RUQDWOBGEJCZYWSZPAO6MFQZ
01-08	2053	Relation	30 chr EAM 666COU PQUVJLGRKH4IMBNAWNIOXJC
01-08	2232	Relation	30 chr EAM 66VQZO AOO5QTHASS4Y3OGJUF3YH5A4
02-08	0053	Colonary	52 chr EAM JYCV72 LSMKWQXHMBOBNAHOEFLFIHQN6UZN6RVOEFMFIRK7JSB5NN
02-08	0117	Colonary	30 chr EAM 66HFLY Q6YNBT3DM2A52F3WIHILHQP
02-08	0122	Colonary	30 chr EAM 66C7SV 5ZGZ2D4IEVUXBG652RAWEGNT
02-08	0152	Colonary	30 chr EAM 66BUOH 2FXME35NTRK6VTKK2P7TL6WU
02-08	0158	Colonary	30 chr EAM JYNWO5 PN72JZHGN4OS7RAAFWQGFL34
02-08	0215	Colonary	30 chr EAM 66LXQJ ATAMUR7KHDKIQM3O3DWE42TJ
02-08	1217	Colonary	30 chr EAM 66YIQI R2N3IQWTIIGBO74HCBRTKUFD
02-08	1804	Colonary	116 chr EAM QG4LOQ OKQ5VBUTE4P5N3PHKPGDKYFZ4GAJHLYQ7TU3CLEPACGCG6UXW4QHUFFFFZ3JCO4SLOXSX4J TJTDJJJJMTCLNIEDNXQUEURERU2222NOYMXMOK6
02-08	1832	Colonary	116 chr EAM QG4LOQ OKQ5VBUTE4P5N3PHKPGDKYFZ4GAJHLYQ7TU3CLEPACGCG6UXW4QHUFFFFZ3JCO4SLOXSX4J TJTDJJJJMTCLNIEDNXQUEURERU2222NOYMXMOK6
02-08	1900	Colonary	116 chr EAM QG4LOQ OKQ5VBUTE4P5N3PHKPGDKYFZ4GAJHLYQ7TU3CLEPACGCG6UXW4QHUFFFFZ3JCO4SLOXSX4J TJTDJJJJMTCLNIEDNXQUEURERU2222NOYMXMOK6

02-08	2231	Colonary	30 chr EAM for Tenderness JYKMH4 GWESTU4WPPNAED4PCKUIJT4T
02-08	2350	Colonary	36 chr EAM JYCCJK BVZPM7PFBFCQLYOVJ2JIARK7RH3QXI
03-08	0035	Sulphate	36 chr EAM JYQIHB GY5DGZ2WNOUEOY5E7LHD2HLSBMVBXD
03-08	0101	Sulphate	60 chr EAM JYW5OG BG6JVCIUPEJ72XEOBGMUAZUP6PDWUGUQKXEOBGMUQ2BU4GLUUGCKR
03-08	0131	Sulphate	33 chr EAM JYWJLS UPTTQ63NMQ24MHWKHY7F7ROBX2E
03-08	0433	Sulphate	30 chr EAM 66KA4R D4X4RYZ4TZLPGJJVBBCJQHWD
03-08	0654	Sulphate	30 chr EAM 66CARV JN4DFL4SQNYBUKJETG2F3AYE
03-08	0702	Sulphate	30 chr EAM 66CARV JN4DFL4SQNYBUKJETG2F3AYE
03-08	1705	Sulphate	39 chr EAM W5O6K7 X6DIZN5LC3546GJTK7PABGXPEBRGKCYHD
03-08	1711	Sulphate	30 chr EAM 66ZAS2 NTKZDDGL23G7S3YNQBIJ2KIE
03-08	2317	Sulphate	30 chr EAM 66M5EN S4DUFJYDKSNQOZV65F7BONGW
03-08	2334	Sulphate	30 chr EAM 66M5EN S4DUFJYDKSNQOZV65F7BONGW
04-08	0033	Bookstore	30 chr EAM 66FQ6Q FDRHKVNDKIEDFRV7HHVUQK6
04-08	0207	Bookstore	52 chr EAM JYUBV7 EREF2BK3EX34BQFLXNHAS72IRFDRPVYMNOARFD6BILRC3F
04-08	0213	Bookstore	36 chr EAM JYFANW CCSGWENH6EKME2VHDCG6DRJA5WKWJ4
04-08	0632	Bookstore	30 chr EAM 66D22P TXQFOVXBV6YGFANUTIGVCKPE
04-08	0636	Bookstore	30 chr EAM 66D22P TXQFOVXBV6YGFANUTIGVCKPE
04-08	0638	Bookstore	30 chr EAM 66QRDG HJDDBYLTCHPNUG3YUBOL3JXD
04-08	0640	Bookstore	30 chr EAM 66FFZJ O6EM6GAWADFA6DKPGI3RQ76H
04-08	1345	Bookstore	30 chr EAM 66F36K AW2U47DGZU5EQIXIFZYK6QDM
04-08	1350	Bookstore	30 chr EAM 66LOWZ ATOJNHAUGNSGPWEKGN3TURQX
04-08	1359	Bookstore	30 chr EAM 66LOWZ ATOJNHAUGNSGPWEKGN3TURQX
04-08	1402	Bookstore	30 chr EAM 66F36K AW2U47DGZU5EQIXIFZYK6QDM
04-08	1932	Bookstore	30 chr EAM 66ZUSI ULRQLTANEI6N457LVZAEKD63
04-08	2045	Bookstore	30 chr EAM 66VTQ5 N5PABIFPO6EHBH3JPDE6OZ75
04-08	2242	Bookstore	30 chr EAM 664IGM PWXDF3OQ76JFVAZK3576DZME
05-08	1403	Gloming	30 chr EAM 66ERX6 BR36IIPYAEC20KUPITPQWK
05-08	1445	Gloming	30 chr EAM 66LQDX TSALJY22NF3GKVQ3PSK7XEZO
05-08	1729	Gloming	36 chr EAM JYXM6D M6DQG3KOLBCYOZ2QM7VLOOF7I7IVEM6CK
05-08	1823	Gloming	30 chr EAM RXBJ4G NXKFY5CUL7KIEAV7JA6EOBRD
05-08	1854	Gloming	33 chr EAM JYNVZB HNWBLNVHU6QMW5DTIO5JVTIBSDQ
05-08	2023	Gloming	30 chr EAM RXV4JL LJVVVLGO2GVP72H2IG7TDNBF
05-08	2043	Gloming	30 chr EAM RX33OW NLPPKFYU7W2OTTATBBYXAS7P
06-08	0618	Test Kit	30 chr EAM RXS3H2 PXHSSFCSLVLUFLOLO6FG2TSO
06-08	0726	Test Kit	30 chr EAM RXV5JP IULRMZYRETC7EIZ4KDCUUVL5G
06-08	0729	Test Kit	30 chr EAM RXP63D BZJNUF2B7TCBWFSYKYM3TK2
06-08	1014	Test Kit	60 chr EAM QGLVMX D2EM7PDTVB7EB3LISLSPC7NNSYCWJ6FNTSZOP7OPEOIJVULXOQTUI
06-08	1347	Test Kit	30 chr EAM RXJ2M2 2ZB4QJ5Q423TLXMNRUVFGB4Z
06-08	1352	Test Kit	30 chr EAM RX6LPA F5IHW2J52TOCCDENXWQGEWBD
06-08	1446	Test Kit	30 chr EAM JY6ATF MV6XVI3SCRHNTUKVUGDWZIIYQ
06-08	1509	Test Kit	43 chr EAM JYUKL2 WC33HAGBRUBNGBGYB2ORUBNUPY2C4IYSRWMJ
06-08	2033	Test Kit	30 chr EAM JYGX7 WCJFUJN3KB5SC42RRR4S2VKS
06-08	2123	Test Kit	52 chr EAM JYZSP4 NIRXB4MQWIGTF2IAIJXRF3P6TJ7ILL5BXZOT37KUEA3L2R
07-08	0508	Riderless	30 chr EAM JY5DWJ W6O2QQC4SSMP3KUEGWX7OONG
07-08	0513	Riderless	30 chr EAM JY4DDB NSOA25YDUFFC3BNVCTLGN3TC
07-08	0521	Riderless	30 chr EAM RX4YFV WOPC44N4XHWDIZOJGDC43Z7K
07-08	0528	Riderless	30 chr EAM RXZ2SP HN3FQSA5YZ2UFL2FKK4ZUQ2D
07-08	1447	Riderless	30 chr EAM for ??-37 JYKOAZ ATUCZYT2AHHSFCUJK4JMVSH
07-08	1451	Riderless	30 chr EAM for ??-37 JYKOAZ ATUCZYT2AHHSFCUJK4JMVSH
07-08	2008	Riderless	30 chr EAM RXLNH 5JZRFV6FCJIZ2B73M5WBIMNP
07-08	2305	Riderless	30 chr EAM RXM72Y R2RITDPRBHABSKZDP3HEXRV4
07-08	2321	Riderless	30 chr EAM RXHBYJ GZEIPNVEO6RE4U6ZPDOJ7QGI
07-08	2334	Riderless	30 chr EAM RXHBYJ GZEIPNVEO6RE4U6ZPDOJ7QGI
07-08	2338	Riderless	30 chr EAM RXCULQ ETGHZLLAVFH6XKK7YRNPJOLR
07-08	2341	Riderless	30 chr EAM RXNLTX RG3ESMOA244LYTH6HG4RKYUM
07-08	2346	Riderless	30 chr EAM RXHBYJ GZEIPNVEO6RE4U6ZPDOJ7QGI
07-08	2349	Riderless	30 chr EAM RXM72Y R2RITDPRBHABSKZDP3HEXRV4
08-08	0015	Pressure	36 chr EAM JYEG34 Y3MBESZFGSBAFIJ3SF3RRXSAVZKF22

08-08	0032	Pressure	30 chr EAM RXM5OW YETE6CBUHC2IEUHQDL5C7FEO
08-08	0054	Pressure	41 chr EAM JYIXOP U64URBFMSNH6X376KSHZWKU23YHU6OOFWH2
08-08	0110	Pressure	30 chr EAM JY2LIS QC7RLU3AIRFSHO2EPXRO7WZE
08-08	0124	Pressure	30 chr EAM RXHIAU XE4INLL7MQDWDS27ZRA7ZB4X
08-08	0134	Pressure	30 chr EAM RXMRNO UONUUOL4RNSS5WZWKCXAJ4PT
08-08	0517	Pressure	30 chr EAM JYMACQ JIQMWKGYIC5JZMH3F3SKTQKI
08-08	0533	Pressure	52 chr EAM JYTUJO NQXSZRPGZSTL43V6YG776LWLHG67NZZSJRPURQR37RUKU
08-08	0546	Pressure	30 chr EAM JYXS4G RDQI4MVMZNC5J7GLJNBIEWFT
08-08	0552	Pressure	30 chr EAM RXXHUT CZGP4QDHGXFIVHMBIDQJ3MGW
08-08	0606	Pressure	30 chr EAM RXF3I6 OGRJQQFFT2YLSGXAKASIJ6KA
08-08	1552	Pressure	30 chr EAM RX4LUR JPYCLCAHDYRTSWAFXJWZNCO
08-08	1746	Pressure	30 chr EAM for Raid-43 JYPLL3 ZI2FFE54S3KGLVKOQZSAIAZH
08-08	1816	Pressure	30 chr EAM RXDVYV GIXX7XP4P6WDOU3PHCECMRYZ
08-08	1934	Pressure	30 chr EAM RXI6Y4 IDSXSV6QJBRNM4CCYWXRLUQV
08-08	2015	Pressure	30 chr EAM RX3YO6 UGY3L2LQU7MUVP3PH56BHRDG
09-08	0102	Gate Post	41 chr EAM JYTL45 WFNWGRZJIVVPFIPG3PUPG6PSG3KUNLX5MNK
09-08	0110	Gate Post	30 chr EAM JYTGEQ DCRR2UCLBFBVNXXJ24ORKRFY7
09-08	0247	Gate Post	Skyking message: King time 48 auth DZ
09-08	0321	Gate Post	Skyking message: King time 21 auth FM
09-08	1500	Gate Post	30 chr EAM RXLFDB IKLVDUYDVUE3L4LL2X3I7QU4
09-08	1611	Gate Post	30 chr EAM RXLEOH BKEKQNKACDX6CZBQNJOX6NJF
09-08	1615	Gate Post	30 chr EAM disregard my last transmission RXLEOH BKEKQNKACDX6CZBQNJOX6NJF
09-08	1620	Gate Post	30 chr EAM RXXUDX CSZIL6SWQ4WNLVWRHXJWVDO
09-08	1657	Gate Post	30 chr EAM RXBO7I PIUS6CZQSKPYWSS.H7PF.D.U very poor modulation
09-08	1703	Gate Post	30 chr EAM RXTOUA CXYK6RR2PQ7WB7K5WQNCSK5E
09-08	1705	Gate Post	30 chr EAM RX67OQ 76E7P6XPZU6KAB7CA6NCBHKM
09-08	1709	Gate Post	30 chr EAM RXP6K5W XQXPBFP66TYQOWZFTEYIVWCH
09-08	2034	Gate Post	30 chr EAM RXORBV XNC2V4WRELVHNZFYUZZBNE64F
10-08	0049	Red Fern	36 chr EAM JYMLP3 RYRXBJUTNVPFZE56O2IKDL5NNCFGD7
10-08	0106	Red Fern	41 chr EAM JYUV4Q BS4AEXC6TUWS3PQNIQ3QNI76FLR3IS2BXAY
10-08	0143	Red Fern	30 chr EAM JYEMIN SWVHKSGI73DXSM7UJSRKBXCV
10-08	0208	Red Fern	46 chr EAM JYUHFQ EHJO6XWZODYHMLMRGQLMRZQLMRTYCXB3ZMNIRON
10-08	0433	Red Fern	30 chr EAM RXN6IG I7ZEVNNCIBYSOVWSKUINXLY
10-08	0540	Red Fern	30 chr EAM RXGUN4 2HR6XSUGUUKT6S4RZDTS4RX
11-08	0032	Fearless	30 chr EAM RXKWBT 5G6FZ6RAX2YC5QZ6BHX7ZNQH
11-08	0135	Fearless	36 chr EAM JYISYR GUKKCGSVQDQWCRIQNKVK7O4MTNZWV very poor modulation
11-08	0426	Fearless	30 chr EAM Modulation too poor to copy
11-08	1533	Fearless	30 chr EAM RXA4DF VL5QDSGFRQCVC5NIZ23YAW7I
11-08	1722	Fearless	116 chr EAM QGMPAD LH2LVJ6VKSJK4UJ6NJXZQPFDVIGLXIQCWN3UBBA2U2IWIKQQC2YB2UUUUUBRTD5PJOPJ4IITUJZ CVVVVZJIEQMCZGE47SNFWNTWJR4EXIVFCJ6Q
11-08	1730	Fearless	116 chr EAM QGMPAD LH2LVJ6VKSJK4UJ6NJXZQPFDVIGLXIQCWN3UBBA2U2IWIKQQC2YB2UUUUUBRTD5PJOPJ4IITUJZ CVVVVZJIEQMCZGE47SNFWNTWJR4EXIVFCJ6Q
11-08	1835	Fearless	119 chr EAM QG2S7O S7O42BZZZXRDKWUIJXIBIPYGIOYMWUXFERFYNUETNIBQB525L66F4Q74OOOOFUWZUEBTTBE BBX5QWP6666EBCCQZ4GD6OVZ3YL3WLTFCIKF73JBSP Announces 415 chr, ends with 116 chr but sent 119 chr
12-08	0107	Singsong	30 chr EAM RXV2PE PIBHYSVF2C3EYERFX4CILYG3
12-08	0634	Singsong	30 chr EAM RXUMOA U4EVRQSPEHYZZTAUMBCAVRWL
12-08	0650	Singsong	30 chr EAM RX2V63 3KB7ZBH6SNUBBCWIRZ7OZVJU
12-08	1739	Singsong	30 chr EAM RXGQ4K SLAJ7ZXM57Q5XNZX4MUACEDB
12-08	1743	Singsong	30 chr EAM RXT7XM OVXBAG6NJZ4QR5FTNXLJGKPH
16-08	1203	Semi Pro	30 chr EAM for Rip On? 4HWBFQ SYZ2B3TQ7WLXII3GLVOJGCI
16-08	1218	Semi Pro	30 chr EAM for Rip On? 4HLVIR S26E6COHBJOWCXFGPQF3ZLFU
16-08	1231	Semi Pro	30 chr EAM for Rip On? 4HBVMH DHUC6YBUABY52YBUCS3EPLOC
16-08	1244	Semi Pro	30 chr EAM for Rip On? 4HIFLO LRZOC7X7OILEI52JI6D24MXD
16-08	1258	Semi Pro	30 chr EAM for Rip On? 4H4M3V NKV7G4DGYSSIRNXP5QLGNKIJ
16-08	1455	Semi Pro	30 chr EAM RXTY5E GFOPO4DBJETBCXYI7ITKS7AV
16-08	2101	Semi Pro	104 chr EAM QGX6GQ

			ED3YIDAJFTPBI3PH6PGDKEF74BPNNNIIWWF2Z2K2HKKKK3U4XCCCQEEEBAGAZHYAAAAAYCLEP PPAQT6UXWXUYSSFFFZ3D2AV2PY
16-08	2135	Semi Pro	104 chr EAM QGX6GQ ED3YIDAJFTPBI3PH6PGDKEF74BPNNNIIWWF2Z2K2HKKKK3U4XCCCQEEEBAGAZHYAAAAAYCLEP PPAQT6UXWXUYSSFFFZ3D2AV2PY
16-08	2202	Semi Pro	30 chr EAM for Trade Call? 4HPUYE L5P33G23W13TDA46IHSQVG2Q
16-08	2205	Semi Pro	104 chr EAM QGX6GQ ED3YIDAJFTPBI3PH6PGDKEF74BPNNNIIWWF2Z2K2HKKKK3U4XCCCQEEEBAGAZHYAAAAAYCLEP PPAQT6UXWXUYSSFFFZ3D2AV2PY
16-08	2222	Semi Pro	30 chr EAM for Trade Call? 4HHJVP PXOUCZYINSBGFAHQIGDJTLZ5
16-08	2231	Semi Pro	104 chr EAM QGX6GQ ED3YIDAJFTPBI3PH6PGDKEF74BPNNNIIWWF2Z2K2HKKKK3U4XCCCQEEEBAGAZHYAAAAAYCLEP PPAQT6UXWXUYSSFFFZ3D2AV2PY
17-08	0032	Auger Bit	30 chr EAM RXAZE 2H34VIF633LB6B5JBOI2DLS6
17-08	0426	Auger Bit	Skyking message: Raider time 26 auth BN
17-08	1502	Auger Bit	30 chr EAM for Arrow Flight 4HDGZD QG407ZVGE3JCHNH4F7N5HDDZ
17-08	1514	Auger Bit	30 chr EAM for Arrow Flight 4HTQ3B H45SWZRZCDZNCJLRY6RD5MQX
17-08	1554	Auger Bit	30 chr EAM for Arrow Flight 4HI32E 5CKLQLDRYACWNABUZZ56XUAT
17-08	1648	Auger Bit	30 chr EAM for Arrow Flight 4HGVD5 GIJYCAFX4E5GZB5QE54D7NIA
17-08	1718	Auger Bit	30 chr EAM for Arrow Flight 4HVXB3 TIZIC27X2LXRMAISY37VUL3E
17-08	1824	Auger Bit	30 chr EAM for Arrow Flight 4HCINA AL2CDVVGOSX6VZ2LXCB2JSFK
17-08	1847	Auger Bit	30 chr EAM for Arrow Flight 4HGLLE YU2TYZPN7QGXMLZZFMXIPPE7
17-08	2133	Auger Bit	30 chr EAM for Arrow Flight 4H6QLA 66LOGXXTNWV6BSF7RCEALKZB
17-08	2153	Auger Bit	30 chr EAM for Arrow Flight 4H6RSI E3MPE2ZW3JVD2DBRQTPXW7
17-08	2228	Auger Bit	30 chr EAM RXCKQG KBPWRGKVOWXXWFIHKAQNDWY7
17-08	2302	Auger Bit	30 chr EAM RXYQSL OMPHTV2BYX25MNZ36I7IOLP2
17-08	2305	Auger Bit	30 chr EAM RXCKQG KBPWRGKVOWXXWFIHKAQNDWY7
18-08	0509	June Day	30 chr EAM RXNEOV HYYHYU6XLWPKF7YKLYAEZ6XK
18-08	0512	June Day	30 chr EAM RXHDR2 T7RQMXNP7R6UY6E4NEUBYSKV
18-08	0515	June Day	30 chr EAM RXJC7X DFMJYVYS3GOLXCQ34SJ7X3V6
18-08	0530	June Day	30 chr EAM RXL36W X3R4EU54AQCSR2BE6WQVY74
18-08	0533	June Day	30 chr EAM RXQ4CO A3BEXID7WFFCLDEL7JQ4BVES
18-08	0536	June Day	30 chr EAM RXL36W X3R4EU54AQCSR2BE6WQVY74
18-08	0541	June Day	30 chr EAM RX7PYI UMBPFIZBWSV2GQN5IYI7G6ER
18-08	0544	June Day	30 chr EAM RX7PYI UMBPFIZBWSV2GQN5IYI7G6ER
18-08	0548	June Day	30 chr EAM RX76BZ 6NDJUOL6CJA4M4JOIF2UF3JY
18-08	0554	June Day	30 chr EAM RXL36W X3R4EU54AQCSR2BE6WQVY74
18-08	0557	June Day	30 chr EAM RXJC7X DFMJYVYS3GOLXCQ34SJ7X3V6RX6XZ2 K6YCNBF3SHTJR7TEEDYUEABH
18-08	0559	June Day	30 chr EAM RXHDR2 T7RQMXNP7R6UY6E4NEUBYSKV
18-08	1403	June Day	30 chr EAM for Arrow Flight 4HJXSI HGAA6EYTNBTDKBDLKBDDW55F6
18-08	1406	June Day	30 chr EAM for Arrow Flight 4HJXSI HGAA6EYTNBTDKBDLKBDDW55F6
18-08	1422	June Day	30 chr EAM for Arrow Flight 4HLKSZ JV3NXREL2UF7AEYDY5AML2OA
18-08	1507	June Day	30 chr EAM for Arrow Flight 4HHHY5 PGHTWMNMFMFLGZSFJSINUXO6
18-08	1734	June Day	30 chr EAM RXDYG 13MBFN6BZGQERKFSOWDUT2HZ
18-08	2031	June Day	30 chr EAM RX3EJ2 NXHEKCG7PN2PO6MNMMLGNK54D
18-08	2057	June Day	30 chr EAM RXG4KK C7CSKI2QOZW5IN6EFUOCFG2P
18-08	2101	June Day	30 chr EAM RXFNYH ULRI3NLF3Q4EC37KXRU7NE2B
18-08	2104	June Day	30 chr EAM RXCAZR YIENAHXC3T4EAX5C3AJI62PB
18-08	2131	June Day	30 chr EAM RXAMKY BDVJLV5LXHAEBLUCONU2HDG
18-08	2134	June Day	30 chr EAM RXCAZR YIENAHXC3T4EAX5C3AJI62PB
18-08	2137	June Day	30 chr EAM RXPS5Q AX6BDPSA6UBC23VOEME4LZXQ
18-08	2140	June Day	30 chr EAM RXYDY HPOVFAZJNLT6PENAY5XVJLS7
18-08	2145	June Day	30 chr EAM RXCAZR YIENAHXC3T4EAX5C3AJI62PB
18-08	2147	June Day	30 chr EAM RXFNYH ULRI3NLF3Q4EC37KXRU7NE2B
18-08	2150	June Day	30 chr EAM RXCAZR YIENAHXC3T4EAX5C3AJI62PB
18-08	2153	June Day	30 chr EAM RXFNYH ULRI3NLF3Q4EC37KXRU7NE2B
18-08	2155	June Day	30 chr EAM RXG4KK C7CSKI2QOZW5IN6EFUOCFG2P
18-08	2159	June Day	30 chr EAM RXYDY HPOVFAZJNLT6PENAY5XVJLS7
18-08	2203	June Day	30 chr EAM RXZCZ6 Y3GNILGA3DSM7ON4JO7GP6I2
18-08	2206	June Day	30 chr EAM RXPS5Q AX6BDPSA6UBC23VOEME4LZXQ

18-08	2208	June Day	30 chr EAM RXAMKY BDVJLV5LXHAEBLUCONU2HDG
18-08	2229	June Day	30 chr EAM RXZCZ6 Y3GNILGA3DSM7ON4JO7GP6I2
18-08	2232	June Day	30 chr EAM RXYDY HPOVFAZJNLT6PENAY5XVJLS7
18-08	2234	June Day	30 chr EAM RXPSSQ AX6BDPSA6UBC23VOEME4LZXQ
19-08	0528	Bankrupt	Skyking message: Tombe time 28 aut NJ
19-08	1503	Bankrupt	30 chr EAM RXFMIS JT6O4R2WKN4CGW45EHOBLG5X
19-08	1546	Bankrupt	30 chr EAM RXY4KL TRTRQKW4PL42ZV4RS6GB7UEY
19-08	1635	Bankrupt	30 chr EAM RXPQDZ 4SX3PU6KYUGFHEASCDP3JZSY
19-08	1717	Bankrupt	72 chr EAM QGIBKW J5NPT2EPUF6HCYVY7YG4MAJJ3VZKUDOQC7N3STG3DDY33FE6P6P6XNNNNYJJE7BFAI
19-08	1729	Bankrupt	72 chr EAM QGIBKW J5NPT2EPUF6HCYVY7YG4MAJJ3VZKUDOQC7N3STG3DDY33FE6P6P6XNNNNYJJE7BFAI
19-08	1935	Bankrupt	30 chr EAM RXRNOV CYAT2UERPZ7UOGE5COZPOB3I
19-08	2024	Bankrupt	30 chr EAM RXKCSZ XBPM2SFM6KPWID3NHT7NVBXO
19-08	2331	Bankrupt	36 chr EAM 4H76HX 5RJTTWYCBJ3TGGJWTRS6NIW3FWWA7Q
19-08	2334	Bankrupt	Skyking message: Cuff? time 34 auth FK
19-08	2338	Bankrupt	40 chr EAM 4H7F34 B6FSY2YAXJ6FLUQVIVEGY26GGTDLNJRFD
20-08	0012	Post Stamp	30 chr EAM RXS726 3IPJE6QTLWYMAAKURXYM4WD
20-08	0017	Post Stamp	30 chr EAM RX6XZ2 K6YCNBF3SHTJR7TEEDYUEABH
20-08	0021	Post Stamp	30 chr EAM RX6XZ2 K6YCNBF3SHTJR7TEEDYUEABH
20-08	0028	Post Stamp	30 chr EAM 4HG6D3 IEB4NTX6MRKRSUDUSXY5LP4H
20-08	0030	Post Stamp	30 chr EAM RX6YQK YWB6MDZODMZOFH74BQFIT2XE
20-08	0056	Post Stamp	30 chr EAM RX2XHL RLECHW6BXO33JL5DQG4X5BVF
20-08	0059	Post Stamp	30 chr EAM RX2XHL RLECHW6BXO33JL5DQG4X5BVF
20-08	0148	Post Stamp	Skyking message: Cuff? time 48 auth GQ
20-08	1320	Post Stamp	30 chr EAM RX6SOG 7KCCBO62KB2WDSW7UZXGML2R
20-08	1504	Post Stamp	36 chr EAM 4H33YO NKZ7726HNCKLOMXD4HPLDVTU6LZYL
20-08	1510	Post Stamp	36 chr EAM 4HPD2T DBKG5DATDOXH7MO43UOYHZP3FO3VSZ
20-08	1532	Post Stamp	25 chr EAM 4HI7P5 4XLFGGH7LBHZOVCA2F4
20-08	1549	Post Stamp	30 chr EAM 4HKNKU PRCZJEG3B6XXYZFS6O37X27K
20-08	1555	Post Stamp	30 chr EAM for Region Bravo 4HAVBH 5DL7EU2N5YKMOV64PQN3FSZMT
20-08	1610	Post Stamp	30 chr EAM RXMC2C BFS77IFQDNVKE225VR7WFI
20-08	1614	Post Stamp	30 chr EAM RXTSF6 AL734I56HQZYU2J7J5P6NES
20-08	1626	Post Stamp	30 chr EAM 4HI4XM GUIJIUJUANWZXM73YPYXZU6D6
20-08	1632	Post Stamp	30 chr EAM RXUHPV FGUAOBBB7GSPXUDGBY4ZNRGH
20-08	1635	Post Stamp	30 chr EAM RXTIEI EXYVUM05VMN2ZYFUK7WB53CY
20-08	1704	Post Stamp	25 chr EAM 4H3RKD 5KKOZRUUKQDWGQ7XBC2
20-08	1802	Post Stamp	30 chr EAM for Audible 4HIXWD D4AYVXXA3PH5GMXIGSMZHC5R
20-08	1843	Post Stamp	30 chr EAM for Audible 4HIRYD 3ZZFTIFZJTEHFXE23XLRK455
20-08	2018	Post Stamp	30 chr EAM 4HPSOZ HWGWY7OINLMAH2IWSFN3PFM4 with Offutt in ALE on the same freq
21-08	0052	Quiet Man	30 chr EAM 4HFW3C KZVNCUENXOAXQP3LTCK55HHE
21-08	0107	Quiet Man	30 chr EAM RXT2OU TET3Y72DHZBHG3EE324VYXE hard to hear; poor audio
21-08	0123	Quiet Man	30 chr EAM RX2QES DN4MCJNIIH24SPEDPVE4ZWRDV
21-08	0345	Quiet Man	Skyking message: Weirs? time 45 auth QV
21-08	1446	Quiet Man	30 chr EAM RXAP2S 7GXFJKJNG7NAUB7B434CQDZG
21-08	1516	Quiet Man	30 chr EAM RXZYAL YHODDBVPLDTN5QDNKHSFX3O2
21-08	1705	Quiet Man	30 chr EAM for Speculator 4HOS2H Q7FHL7C26XYSYD575O5UNRID
21-08	1933	Quiet Man	30 chr EAM RXROQ3 ZBCHTA4W6JBXQ5KYYP3TSABR
21-08	1942	Quiet Man	30 chr EAM for Speculator 4H3BEO IG3T7OVQRMWJKBCAGWXC6JOC
21-08	2332	Quiet Man	30 chr EAM RX2FED QZA4TE7AOYPOMOJUX4FTRSAU
22-08	0113	Precis	30 chr EAM 4HC6EJ N3CMTXPXHAVJKUTE24L4D3B3
22-08	0132	Precis	30 chr EAM RXH7IO 4H3KR74DDWHXY2CB4U4JYBGH
22-08	0147	Precis	30 chr EAM RXL4P2 YYQ3GRADTB5EFFU3BHSDAYXL
22-08	0417	Precis	30 chr EAM RXEQWD DUC7ZUBQ6Y6OPHQU7WGBVC4J
22-08	1416	Precis	30 chr EAM 4HNW76 SAMDL725M5FSUDLBM5QTWEIQ
22-08	1556	Precis	52 chr EAM 4HNMD3 RUTXNT67SMVSCYYUBATYZB6LH2GRJBYGSKYETIUSSA7YYL
22-08	1629	Precis	30 chr EAM 4HTKCP ESL3VYLCLQ3Q2FRAISVJG7V
22-08	1829	Precis	30 chr EAM 4HNXP4 IG4IECGEGARFWHPINILXFRE
22-08	1849	Precis	30 chr EAM 4HJ2IN RFDHBYAPB4BRC6Y7Y2ZCOYZL

22-08	1936	Precis	30 chr EAM RXJPJT 5YJGK4Z4ZYSQSAMGKB6YIRO
22-08	1947	Precis	30 chr EAM RXKAK3 ITKB4HKC5BSH4GX5OX3WN4PK
22-08	1952	Precis	58 chr EAM 4H6GFU UDYXABUVR7VSU4KWMQTCFNUGX2A4X3CFNOVWWE7G3CFNMSA4RR6B
22-08	1959	Precis	30 chr EAM RXD4WB C7VM4NDGFKYPQXZU62HPJTY
23-08	0113	Princely	47 chr EAM 4HCF6V YQAUHTZ5N4IKAXBO72XJNINPWTATXXJNKUIGW67F
23-08	0147	Princely	30 chr EAM 4HMHJT JELYJBCILK7O6SX3R2EAMFLO
23-08	1410	Princely	30 chr EAM RX6E7U GOEC6XDFGKQJWKKT7D3LBYUH
23-08	1424	Princely	30 chr EAM RXMA2N A47IKP2LUYOA6PFMSENVPVHCZ
23-08	1436	Princely	30 chr EAM RX3V24 H3BHJYY4MHTV3A6LCIX4BSDL
23-08	1833	Princely	30 chr EAM for Pass-12? 4HCQIY HSIXKHWWZ7QN5QDXTX2KOBTIKF
23-08	2044	Princely	30 chr EAM RXJ6RC SUW3L77RJGUDCWA6NEWFYJDL
24-08	0008	Scaffold	40 chr EAM 4HBNHB LWSNMAGD54KVT76BNYGYXUCKUNWHJ5GVR
24-08	0012	Scaffold	30 chr EAM 4HRDYS BMWYUCEZLSCJMAV3U6DTHGKQ
24-08	0031	Scaffold	30 chr EAM RXIGUY W34WFLC2UBH4T2P5K4PABJEW
24-08	0038	Scaffold	30 chr EAM RXQGV5 PT3X3PRW6LM2CMWPFW6OCHJP
24-08	0111	Scaffold	30 chr EAM 4HZ7FT SR6SEFZREBDF2IYLZ2AOUHLB
24-08	0114	Scaffold	30 chr EAM RX24KR VGYPBFWNWSK7SJTFQBN7QZID
24-08	0132	Scaffold	30 chr EAM RX4R5W QJ2GABILAGWFLJRDKS5TNQGF
24-08	0338	Scaffold	30 chr EAM RXKNSZ 6IWP6YEE64J77M4GA2YFHSKR
24-08	1448	Scaffold	30 chr EAM RX2QTC IMZZUYTBOFTSPYEMPDCWYTN6
24-08	1503	Scaffold	30 chr EAM RXVIXM NWKTLQEHSGQDITYAKLS7MXTHB
24-08	2135	Scaffold	30 chr EAM RXM2F2 ZO7VC7HJPDNRH4WWSHBVKRAL
24-08	2149	Scaffold	30 chr EAM RX4QDD 37GBXAXAUNXX3MTQGL2WZY3V
25-08	0025	Black Eye	30 chr EAM RXXVD5 3HD7UJRRSZHJCKIRRIE4OS
25-08	1547	Black Eye	30 chr EAM 2SIQKK DYKQCXUWWSO35SIUMZJ4CB3S
25-08	1733	Black Eye	30 chr EAM 2SDKLB E675UQ4BFUTH5WBT2GPBQR4I
25-08	2333	Black Eye	30 chr EAM 2SDASZ QFAOVEBOBHGX5P32B5VS43P
26-08	0217	Blacksmith	30 chr EAM 2SBA7V CZPGNSCTKJL2ZOITGYZXEMY
26-08	0219	Blacksmith	30 chr EAM 2SVF36 EYGVNOSZP3LLT5F4E7ZANFXV
26-08	1502	Wagon Bed	30 chr EAM 2SF7YU SLDXSS62BCNFNFSJ6KIDUVT
26-08	1542	Wagon Bed	30 chr EAM 2SLDE6 JB6AB4WWLOXRNYH33IQ6CAGB
26-08	1554	Wagon Bed	30 chr EAM 2SXOYK 2EPQ2KNQMZ4FN5PMFUBVOY6L
26-08	1603	Wagon Bed	30 chr EAM 2SXOYK 2EPQ2KNQMZ4FN5PMFUBVOY6L
26-08	1634	Wagon Bed	30 chr EAM 2S6KSX OOVVUPV3H4XWGUS2LIVTDCRG
26-08	1654	Wagon Bed	52 chr EAM 4H4YPY JFT673K7SZUUK3F7E7BF7EMT2N42U3GBETX2NCF6UX6VUF
26-08	2132	Wagon Bed	30 chr EAM 2SFDJ3 PUCJOBICIRICQU2HRXRQOSH4
26-08	2138	Wagon Bed	88 chr EAM YID3IP B2DN6YXTIVYVWNG26AXOX3DDGJH2ZZ2ZRB2PZZGPP7777A2LF7BB7Q7REKLWPKDJJJOLA72E URHGCA24
26-08	2159	Wagon Bed	88 chr EAM YID3IP B2DN6YXTIVYVWNG26AXOX3DDGJH2ZZ2ZRB2PZZGPP7777A2LF7BB7Q7REKLWPKDJJJOLA72E URHGCA24
26-08	2244	Wagon Bed	104 chr EAM YITWS5 CNMGQWMQYGFJVLAI5DT4K2T6R2ACA63FZGKFA5KFAAAADOFLE7EXII6UVOLOOFLLLLR4W BERDERABPQVV7ERRRR42O77P3W4
26-08	2332	Wagon Bed	30 chr EAM 2SHAI7 EEW4DATT7T6VPQMC6OYOSBG7
27-08	0336	Worm Glow	Skyking message: Avelanche time 36 auth GN
27-08	0341	Worm Glow	Skyking message: Lightning time 41 auth MY
27-08	0854	Worm Glow	30 chr EAM 2SMU3E IUTW37XG5E2VV2A7NEE7NLUS
27-08	1014	Worm Glow	30 chr EAM 2SEEVJ UYQFYBAJRBNPVQXNCHZSVRG
27-08	1500	Worm Glow	30 chr EAM 4HGX7E MUOBNIBIMBVQJSEM2O2UNSI
27-08	1519	Worm Glow	52 chr EAM 4H4EL4 ISR2XONYCDZF3X5GNJN5CNPOADYASUIME3SEBMX2DJOGLK
27-08	1533	Worm Glow	30 chr EAM 4HZ3T7 K2RYNQG5XILICIJNVBAZIRZO
27-08	1541	Worm Glow	30 chr EAM 4HQA7L 7LNPMS3ZX7B3PHL5FUZHUSC
27-08	1559	Worm Glow	52 chr EAM 4HTP6J KT3HH6W745GYUILSIGLSIVOVWJTIGGE46XVWJMMY6BFU7
27-08	1607	Worm Glow	30 chr EAM 2SBRHT QRZSAIEJ5YQOVIUSS7LEXHJR
27-08	1703	Worm Glow	30 chr EAM 4HAXKI A47QXAUIMPAJFQOLYPEUXEI
27-08	1712	Worm Glow	30 chr EAM 4HH4E7 U67FTRDJWRLMQIFHS37FZAKD
27-08	1732	Worm Glow	30 chr EAM 4H4PIK 6YSXYPMWTFYFVDJYCBAS62UQ

27-08	1741	Worm Glow	30 chr EAM 4HFJXA JI4ES4H2OAZR5OZLZ33GIIZJ
27-08	1754	Worm Glow	30 chr EAM 4HZ445 WBYA62NUVQWXRL7TA62L2CBE
27-08	1822	Worm Glow	30 chr EAM for Kinship BL6F5J QJHUOW4CONAAQHJ54NLFIS26
27-08	1832	Worm Glow	30 chr EAM for Kinship BLLM6C UJCPE65XJHEXH6PUK6OD3ZEN
27-08	1842	Worm Glow	30 chr EAM for Kinship BLSLDA SZREXCGHTZP4KMJ2U6J2OY7
27-08	2005	Worm Glow	30 chr EAM BLLWUL AH7AJE7J6YZV6ZT7WDHFSAMS
28-08	0109	Vocalize	30 chr EAM for Kinship BLXLPS UDOAINVUZLOKM2M6WO5I6W64
28-08	0129	Vocalize	30 chr EAM for Kinship BLHPKN GHDL6T7Z5OXNT6X25RQIZ2H5
28-08	0407	Vocalize	30 chr EAM 2SQAQ3 FD4YDLDFX5SFHSROVUXA43LH
28-08	1105	Vocalize	30 chr EAM BLTCLN QGGT2QCQ2YZWEE7ONN57IRBG
28-08	1213	Vocalize	30 chr EAM 2SCPZK 32FD3TT2ZREDA2NVSIA54TCQ
28-08	1230	Vocalize	30 chr EAM 2SCPZK 32FD3TT2ZREDA2NVSIA54TCQ
28-08	1300	Vocalize	30 chr EAM 2SCPZK 32FD3TT2ZREDA2NVSIA54TCQ
28-08	1304	Vocalize	30 chr EAM for Balloy BLXO6S FIIVNQF54J7AEK663VNEXGGW
28-08	1447	Vocalize	30 chr EAM for Balloy BLLNPD MGVN2SL7E255556V6M2KK4KH
28-08	1457	Vocalize	30 chr EAM for Rent-64 BLC7J6 CXNHY3HHVGRPZHM3WJIHHGWV
28-08	1526	Vocalize	30 chr EAM 2SAM7T KVIIZZLWPVJKJRB4PT5WGOLT
28-08	1647	Vocalize	30 chr EAM for Balloy BLQJBN OCZPEOISRX7I2JN62BTH2PA
28-08	1703	Vocalize	21 chr EAM BLOKAZ BUGD4O646VSYDRA
28-08	1722	Vocalize	30 chr EAM 2SXR6K 3W3ECIYGHC6INRP2JP4V7REQ
28-08	2006	Vocalize	30 chr EAM 2SSPT3 VJIYOHK2HP5H7APZ3JIUDYCT
28-08	2032	Vocalize	30 chr EAM for Kinship BLNNA4 HTC5Q7DJESXCOBKP3TIL4SJF
28-08	2058	Vocalize	30 chr EAM for Kinship BLBBTG NJV2Y4ODXUIZJYRVBAQ43BCV
29-08	0107	Fish Hawk	30 chr EAM BLBPT2 7R2AM6XJNR5L2L35OT5JNUKV
29-08	0124	Fish Hawk	30 chr EAM 2SP36X 3E7OUHD57EA5FWQZWQ2SLNCP
29-08	0128	Fish Hawk	30 chr EAM 2SLMU6 TPUFDCACNDFDAPNYJYRLC4UJ
29-08	0155	Fish Hawk	30 chr EAM 2SLENO U7ZACSOYXOJYIJPUR5LUXSWV
29-08	0158	Fish Hawk	30 chr EAM 2S4JYC LZNOPITVARFDROFJ2ZVXWHEQ
29-08	0207	Fish Hawk	30 chr EAM 2SHDLF AY4FNDXDHP5X4K6QQOFV7A6P
29-08	1314	Fish Hawk	30 chr EAM 2SKOLR JW6I5T66TEPZUBLSIU6RWA4T
29-08	1351	Fish Hawk	30 chr EAM for Rebel Dabble BL3RHG UMPISS2WQDJ3P2T4FL6ZBELO
29-08	1403	Fish Hawk	30 chr EAM 2SH40D GH6R5VPUQLRSV2JHRL7R5BOI
29-08	1408	Fish Hawk	30 chr EAM 2SO5U2 TEQUEU7I5ZHBOYJEGMDEIHGLT
29-08	1452	Fish Hawk	52 chr EAM BLJSGP E2BKWISDNFJSOCRIP7YZWC74DXP6M4RIP3Y6IYINRH5M47
29-08	1508	Fish Hawk	30 chr EAM BLV7XR FBWRS5NOF3BMLDJAZSPBUZOK
29-08	1523	Fish Hawk	30 chr EAM 2SH2SU 7WNNRE2WMR3XTP2MQLZNXQPL
29-08	1525	Fish Hawk	30 chr EAM 2SQJ7U BH3HJ6EV42CMZSNRBUAPZ5C
29-08	1533	Fish Hawk	30 chr EAM BLCMSA 2FUCONL4TUPRWULHN55TT4Q4
29-08	1539	Fish Hawk	30 chr EAM 2SOW22 LAAQWHQQF4B6DWHOBYCPKSZ4
29-08	1553	Fish Hawk	30 chr EAM 2SH722 N3U3EEXADLLUS7K3STZHF4VD
29-08	1733	Fish Hawk	30 chr EAM for Ebear-70 BLLVTI L47S4CRBEG57VHR6DKDVYR25
29-08	1802	Fish Hawk	30 chr EAM 2SVC4O BKCRVT6L4FJVEFCPQFVUZ2LI
29-08	1939	Fish Hawk	30 chr EAM 2S3TF5 DH3UOZRSN7RHH4J5CQ34WOJJ
29-08	1942	Fish Hawk	30 chr EAM 2SFJJD HNEYZDZBKFKILNSCRLLGIBUM
29-08	2008	Fish Hawk	30 chr EAM 2S2JZI LFGHDZETF6CQLSSOQGVBCNWF
29-08	2324	Fish Hawk	36 chr EAM BLWUBU 7O2J4XLL2SDYFH25X3ZIWIJGDOWXWIM
29-08	2336	Fish Hawk	43 chr EAM BLJD6O WRD3JXQ4Y2SC5C2ZWHQY2TD5CDVCUEMCVBRZZ
29-08	2345	Fish Hawk	40 chr EAM BLDYOG FNIHCSNYUPA5FSDPF643PK3WYS4TS2HZQ7
30-08	0030	Pet Camp	30 chr EAM 2SVWFG I4FG26BPK6VFNXNNQUQ2Z6TD
30-08	0032	Pet Camp	30 chr EAM 2S2CDU C4WWJBNICXCBICTGBQKE7PHL
30-08	1756	Pet Camp	30 chr EAM 2SUTGR 4FHYSG55C6XJ63PLIRJFSIA5
30-08	2226	Pet Camp	30 chr EAM 2S3EKA TF3LE7OD5KCB3TTVYEAQOTS
30-08	2332	Pet Camp	30 chr EAM 2SGJA5 R6UPF75DA5WRNCOZDQLXYTEM

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, F5JBR, WP3, GWr

Strategic messages

8136 kHz, 06-08, 1330 UTC	RBL88: XXX LR43 TEHNIÔESKAÂ PROWERKA 872 K
8136 kHz, 08-08, 1330 UTC	RBL88: XXX LR43 TEHNIÔESKAÂ PROWERKA 872 K
8136 kHz, 08-08, 1333 UTC	RBL88: XXX LR43 TEHNIÔESKAÂ PROWERKA 592 K
7942 kHz, 07-08, 0900 UTC	REA4: XXX 7XMF TEIN 2767 6872 GORcHOK 9459 3543 K
4861 kHz, 08-08, 1612 UTC	XXX LOMO 07904 LITROWANIE 0954 K
5808 kHz, 08-08, 1622 UTC	XXX WVCH 82178 WEChNIJ 5238 8698 K //4887 kHz
4887 kHz, 08-08, 1622 UTC	XXX WVCH 82178 WEChNIJ 5238 8698 K //5808 kHz
8508 kHz, 05-08, 1616 UTC	RDL: XXX XXX M7A2 M7A2 62127 87778 AMILOFON 8081 8175
14842 kHz, 08-08, 1020 UTC.	RGT77: XXX XXX WEGI WEGI 04095 PROPITÖIK 9182 5452
7942 kHz, 08-08, 1023 UTC	REA4: 27213 PROPITÖIK 9182 5452
14411 kHz, 08-08, 1037 UTC	XXX XXX WEGI WEGI 43922 04095 PROPITÖIK 9182 5452
14411 kHz, 08-08, 1626 UTC	RDL: XXX XXX WEGI WEGI 83887 55416 MAKOWYJ 2185 0267
14411 kHz, 08-08, 1628 UTC	RDL: XXX XXX M7A2 M7A2 97218 95532 UMOSOK 8859 6954
14411//16112 kHz, 28-08, 0829 UTC	RDL: XXX XXX WEGI WEGI 98422 76433 FORSOFLER 4135 1974
14411//16112 kHz, 28-08, 0832 UTC	RDL: XXX XXX WEGI WEGI 12614 95557 SIPOSONÄ 6159 7243
14411//16112 kHz, 28-08, 0833 UTC	RDL: XXX XXX M7A2 M7A2 45035 82458 TROSOKOKK 0989 4200
14411//16112 kHz, 28-08, 0837 UTC	RDL: XXX XXX M7A2 M7A2 23862 84734 ULXÄ 5186 9882
5359 kHz, 28-08, 1041 UTC	XXX XXX ZhZLShch ZhZLShch 89187 WINChESTER 1621 6102 K
5359 kHz, 28-08, 1126 UTC	XXX XXX ZhZLShch ZhZLShch 48681 MASTEROK 2145 9856 K
5436 kHz, 28-08, 1108 UTC	XXX XXX WEGI WEGI 72038 SMANIWAN'E 4793 3682 ZUBROBORShch 1176 0651 K
5436 kHz, 28-08, 1146 UTC	XXX XXX WLHN WLHN 40988 SLOGOKRYaZh 1827 3924 K
5436 kHz, 28-08, 1349 UTC	XXX XXX G5CX G5CX 62286 OChAGOPAYuS 0356 0179 K

Monolith Stations

Note: S30, S32 and Vega33 all belong to the same network.

S30 Pip

5448 kHz, 15-08, 0907 UTC	8S1Shch 27756 INDOL 4337 2530
5448 kHz, 15-08, 0916 UTC	8S1Shch 01525 LUBOBAS 4292 8524 VZOROGRAB 8163 3867
5448 kHz, 15-08, 0946 UTC	8S1Shch 13257 BINORMAL' 4511 6032
5448 kHz, 15-08, 1017 UTC	8S1Shch 74264 INTYeRYeSNYJ 5401 2997
5448 kHz, 15-08, 1100 UTC	8S1Shch DYMOVOR 2308
5448 kHz, 15-08, 1251 UTC	8S1Shch 53277 ISPYTUYeMYJ 7977 1376 BARKOPLAV 5699 9706
5448 kHz, 15-08, 1349 UTC	8S1Shch 81240 NYeSKLADNYJ 4898 6944 NAPISANIYe 2891 4448
5448 kHz, 15-08, 1400 UTC	Dlya CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR
5448 kHz, 28-08, 0853 UTC	8S1Shch 63004 VANILIN 8087 9152
5448 kHz, 28-08, 1035 UTC	8S1Shch 78010 KRAYeVYeD 1959 7357
5448 kHz, 28-08, 1117 UTC	8S1Shch 30535 DROChYeNA 1501 7560
5448 kHz, 28-08, 1122 UTC	8S1Shch 76506 DOMOChADEC 1386 5237
5448 kHz, 28-08, 1115 UTC	8S1Shch 67081 NUTOKRIP 6618 3063
5448 kHz, 28-08, 1208 UTC	DMC3 49FT 8MUO 66952 32030 14214 KARABAH 1827 6833 DROSSYeL' 1827 1250
	KOMYeNDANT 1827 9838
5448 kHz, 28-08, 1215 UTC	8S1Shch 31214 BAZOMAK 8955 6446
5448 kHz, 28-08, 1226 UTC	8S1Shch 08145 KRIPOZYuZYa 5864 8483
5448 kHz, 28-08, 1309 UTC	8S1Shch 51020 INOKOZhYeZL 7546 7031
5448 kHz, 28-08, 1334 UTC	8S1Shch 73313 GODOROG 9183 7716
5448 kHz, 28-08, 1400 UTC	8S1Shch 70676 BUYaNOSKIF 9426 3384
5448 kHz, 28-08, 1403 UTC	8S1Shch 00749 VOROVATYJ 8505 9515
5448 kHz, 28-08, 1420 UTC	8S1Shch 44956 94896 91330 20594 DUNGOGIMN 1618 7351 BARSOVYJ 7154 5123
	KONDYeNSACIYa 5737 5168 KONYuShNYa 7576 7821

S30 recordings by Gwraspe

<http://priyom.org/media/228716/s30-5448usb-20190828-0853z-msg-bygwraspe.ogg>
<http://priyom.org/media/228749/s30-5448usb-20190828-1035z-msg-bygwraspe.ogg>
<http://priyom.org/media/228759/s30-5448usb-20190828-1112z-msg-bygwraspe.ogg>
<http://priyom.org/media/228795/s30-5448usb-20190828-1215z-msg-bygwraspe.ogg>
<http://priyom.org/media/228767/s30-5448usb-20190828-1115z-msg-bygwraspe.ogg>
<http://priyom.org/media/228792/s30-5448usb-20190828-1208z-msg-bygwraspe.ogg>
<http://priyom.org/media/228805/s30-5448usb-20190828-1226z-msg-bygwraspe.ogg>
<http://priyom.org/media/228818/s30-5448usb-20190828-1309z-msg-bygwraspe.ogg>
<http://priyom.org/media/228833/s30-5448usb-20190828-1334z-msg-bygwraspe.ogg>
<http://priyom.org/media/228849/s30-5448usb-20190828-1400z-msg-bygwraspe.ogg>
<http://priyom.org/media/228852/s30-5448usb-20190828-1403z-msg-bygwraspe.ogg>
<http://priyom.org/media/228861/s30-5448usb-20190828-1420z-msg-bygwraspe.ogg>
<http://priyom.org/media/228873/s30-5448usb-20190828-1446z-msg-bygwraspe.ogg>

S32 Squeaky Wheel

5473 kHz, 15-08, 0911 UTC	Al'fa-45 85737 KRYePOPLAC 0701 4452
5473 kHz, 15-08, 0921 UTC	Al'fa-45 93431 VYeTROTRUS 5904 3905
5473 kHz, 15-08, 0950 UTC	Al'fa-45 55722 KARTOSHKA 6465 4865
5473 kHz, 15-08, 1021 UTC	Al'fa-45 41390 KISYeLYeT 1231 2545
5473 kHz, 15-08, 1104 UTC	Al'fa-45 MARUN 2308
5473 kHz, 15-08, 1257 UTC	Al'fa-45 43791 KORTODYeK 5171 8797
5473 kHz, 15-08, 1351 UTC	Al'fa-45 25850 GASHENYJ 0113 9772
5473 kHz, 28-08, 0859 UTC	Al'fa-45 78104 ZYuJDOLOR 0639 3344
5473 kHz, 28-08, 1040 UTC	Al'fa-45 89187 VINChYeSTYeR 1621 6102
5473 kHz, 28-08, 1116 UTC	Al'fa-45 07895 MOTOZYeBU 3893 2946
5473 kHz, 28-08, 1123 UTC	Al'fa-45 50448 ZAJMORYeJD 4323 5436
5473 kHz, 28-08, 1125 UTC	Al'fa-45 48681 MASTYeROK 2145 9856
5473 kHz, 28-08, 1216 UTC	Al'fa-45 41780 GLOBOID 7845 3256
5473 kHz, 28-08, 1231 UTC	Al'fa-45 64664 OBYeSCYeNYeN'Ye 1124 9975
5473 kHz, 28-08, 1313 UTC	Al'fa-45 93347 ZUBRYeNIYe 1221 6549
5473 kHz, 28-08, 1339 UTC	Al'fa-45 72951 MOROSHKA 5775 7151
5473 kHz, 28-08, 1409 UTC	Al'fa-45 41921 BASKOHVAT 5748 9952
5473 kHz, 28-08, 1410 UTC	Al'fa-45 35566 MEHOBRYaK 4778 8446
5473 kHz, 28-08, 1435 UTC	Al'fa-45 65704 89984 BOBOPOL 4931 4621 MURASHYeYeD 6372 4204
5473 kHz, 28-08, 1437 UTC	Al'fa-45 81348 22554 ZADOLZhNICA 1640 7059
5473 kHz, 28-08, 1451 UTC	Al'fa-45 74862 ZAKROJShchICA 4374 7089 Same codeword and number groups as transmission from 19th August at 1252z, identifier group (27341 previously)

S32 recordings by Gwraspe

<http://priyom.org/media/228719/s32-5473usb-20190828-0859z-msg-bygwraspe.ogg>
<http://priyom.org/media/228746/s32-5473usb-20190828-1040z-msg-bygwraspe.ogg>
<http://priyom.org/media/228762/s32-5473usb-20190828-1116z-msg-bygwraspe.ogg>
<http://priyom.org/media/228770/s32-5473usb-20190828-1117z-msg-bygwraspe.ogg>
<http://priyom.org/media/228773/s32-5473usb-20190828-1123z-msg-bygwraspe.ogg>
<http://priyom.org/media/228776/s32-5473usb-20190828-1125z-msg-bygwraspe.ogg>
<http://priyom.org/media/228798/s32-5473usb-20190828-1216z-msg-bygwraspe.ogg>
<http://priyom.org/media/228808/s32-5473usb-20190828-1231z-msg-bygwraspe.ogg>
<http://priyom.org/media/228821/s32-5473usb-20190828-1313z-msg-bygwraspe.ogg>
<http://priyom.org/media/228836/s32-5473usb-20190828-1339z-msg-bygwraspe.ogg>
<http://priyom.org/media/228855/s32-5473usb-20190828-1409z-msg-bygwraspe.ogg>
<http://priyom.org/media/228858/s32-5473usb-20190828-1410z-msg-bygwraspe.ogg>
<http://priyom.org/media/228864/s32-5473usb-20190828-1435z-msg-bygwraspe.ogg>
<http://priyom.org/media/228870/s32-5473usb-20190828-1437z-msg-bygwraspe.ogg>
<http://priyom.org/media/228876/s32-5473usb-20190828-1451z-msg-bygwraspe.ogg>

Vega-33

5372 kHz, 15-08, 0907 UTC Vega-33 58288 LITyEJShchIK 6305 3705 (actually given at 0917z)
5372 kHz, 15-08, 0917 UTC Vega-33 41028 KYZYL 7453 8345 (actually given at 0926z)
5372 kHz, 15-08, 0947 UTC Vega-33 32719 ZYKOKRYeM 7615 9671 (actually given at 0954z)
5372 kHz, 15-08, 1018 UTC Vega-33 24148 MYeMUARIST 0170 3756 (actually given at 1024z)
5372 kHz, 15-08, 1103 UTC Vega-33 ZhYeLOUD 2308 (actually given at 11:10z)
5372 kHz, 15-08, 1302 UTC Vega-33 88309 OGRANICHYeN'Ye 8413 1921
5372 kHz, 15-08, 1350 UTC Vega-33 70600 LOGOSIM 6250 7189 (actually read at 1406z)
5372 kHz, 28-08, 1140 UTC Vega-33 96608 MEhROGLIF 1493 2842 ZAMochKA 1020 7824 BYeSShYeRSTNYJ 0536 83
(timestamp given 1118z)
5372 kHz, 28-08, 1315 UTC Vega-33 41502 MARYeL' 5809 0991
5372 kHz, 28-08, 1355 UTC Vega-33 50339 KONFORMACIYa 2808 5132 Read 20 minutes late. Test tones before and after this transmission and since transmission ended there is now channel marker which is a continuous tone
5372 kHz, 28-08, 1432 UTC Vega-33 63662 KORDOPAB 9426 3389 LYeHsOSHtOF 8505 9515 Channel marker which began after previous transmission has ceased after this transmission

Vega-33 recordings by Gwraspe

<http://priyom.org/media/228785/vega33-5372usb-20190828-1140z-msg-bygwraspe.ogg>

<http://priyom.org/media/228824/vega33-5372usb-20190828-1315z-msg-bygwraspe.ogg>

<http://priyom.org/media/228846/vega33-5372usb-20190828-1355z-msg-bygwraspe.ogg>

<http://priyom.org/media/228867/vega33-5372usb-20190828-1432z-msg-bygwraspe.ogg>

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

RNv – Russian Navy

8237 kHz, 08-08, 1459 UTC

BUKSOL: Russian Navy Black Sea Fleet HQ clg TURK, STOR

M32 - Russian / CIS Military CW Stations

8830 kHz, 08-08

0854 UTC QMF6 QMF6 de JC2S QTC 06 06 1150 = 6875 1077 8885 0954 8639 8734 K
0900 UTC QMF6 de 6W7A QTC 05 03 1203 = 4578 5010 5391 K
0920 UTC QMF6 de 4BSL QTC 06 09 1220 = 6243 5286 0095 4608 4000 3858 6002 7115 0218 K
0923 UTC QMF6 de JC2S QTC K 07 10 1221 = 1108 3003 7115 1082 1404 1460 9064 7519 2633 7825 K
0928 UTC QMF6 de 4BSL QTC 07 12 1223 = 5354 0811 0205 0010 1200 0300 6000 0002 4406 0013 5157 9919 K
0935 UTC QMF6 de 6W7A QTC 06 03 1237 = 2539 5014 2506 K) in Duplex 08/08/19 :
0943 UTC QMF6 de 6W7A QTC 06 21 1236 =
6777 3216 0010 3049 0003 1302 4784 8769 1581 9921 5235 2402 2349 9616 8685 ...
1002 UTC QMF6 de 6W7A QTC 07 08 1303 = 6744 4659 3343 6490 1416 7466 0219 4919 K
1008 UTC QMF6 de JC2S QTC 039 05 1301 = 9539 2204 7188 5985 6184 K
1012 UTC QMF6 de 6W7A QTC 04 09 1306 = 5188 6103 2349 6473 6490 4504 8735 7102 7837 K
1312 UTC QMF6 de 6W7A QTC 07 08 1612 = 2539 5733 4771 3045 4596 8735 5359 1362 K
1325 UTC QMF6 de 6W7A QTC 11 09 1625 = 0057 5286 7889 9091 7203 3867 0709 7235 7563 K

8345 kHz, 08-08, 0857 UTC. RJI51 wkg unid station.

QTC SML 08121 99568 10206 41593 82002 10190 40039 54052 70211

06232 22252 00119 00100 08014 = AR

RJI51 K

13225 kHz, 12-08, 1627 UTC

792 727 1792 727 1792 727

792 728 1792 728 1792 728

792 729 1792 729 1792 729

792 730 1792 730 1792 730

6328 kHz, 01-08, 2355 UTC	RDL RDL RDL 14822 64163 14822 64163 14822 64163 K
14411 kHz, 26-08, 1747 UTC	RDL i.p. 90663 35331 58982 97200 91049 73448 31638 84621 56387 94603 66253 40473 26037 K
14411 kHz, 26-08, 1748 UTC	RDL RDL RDL 26526 22188 26526 22188 26526 22188 K
14411 kHz, 27-08, 1210 UTC	RDL RDL RDL 95645 12662 95645 12662 95645 12662 K
14411 kHz, 27-08, 1334 UTC	RDL RDL RDL 52691 62505 52691 62505 52691 62505 K
14411 kHz, 27-08, 1339 UTC	RDL RDL RDL 10267 06550 10267 06550 10267 06550 K

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

5882 kHz, 24-08, 0600 UTC. RAI44 wkg RJD93

SML RAI44 813 15 24 0900 813 = FM RAI44 FOR RJH45 RJH48 RJZ4 =
24060 99528 11412 44/98 40303 40093 54000 70011 22200 24009 =
RAI44 K

Location: <https://goo.gl/maps/bjfJ8Dm144ta1b2X7>

5882 kHz, 24-08, 0609 UTC. RJQ50 wkg RJD93

SML 346 16 24 0900 346 = FM RJQ50 FOR RJH45 RJH48 RJE60 =
24061 99447 11471 41/96 91015 10140 40020 57000 70025 89000 22200 00130 =
AR RJQ50 K

Location: <https://goo.gl/maps/D4bN4AltE1tDbraq5>

3719 kHz, 24-09, 1459 UTC. RAI44 wkg RJD93

SML RAI44 813 15 24 0900 813 = FM RAI44 FOR RJH45 RJH48 RJZ4 =
24060 99528 11412

Location: <https://goo.gl/maps/bjfJ8Dm144ta1b2X7>

5054 kHz, 24-08, 1505 UTC. RLP69 wkg RCC

SML 478 16 24 1800 478 = FM RLP69 FOR RJH45 RJH48 RJE60 =
24151 99544 1158 41/98 95001 20100 00 ... =

5882 kHz, 25-08, 0600 UTC. RAI44 wkg RJD93

SML RAI44 813 15 24 0900 813 = FM RAI44 FOR RJH45 RJH48 RJZ4 =
25060 99528 11412

Location: <https://goo.gl/maps/bjfJ8Dm144ta1b2X7>

5882 kHz, 25-08, 0602 UTC. RJI99 wkg RJD93

SML 347 14 25 0900 347 = FM RJI99 FOR RJH48 =
25061 99466 11426 41/97 /02081015
Location: <https://goo.gl/maps/Tu6fiTk8kv8XXMgP6>

5882 kHz, 25-08, 0604 UTC. RCQZ wkg RJD93

QTC SM FM RCQZ FOR RJH45 RJH48 25061 99504 11420
Location: <https://goo.gl/maps/B6Yd6NkufR31p6j37>

5882 kHz, 25-09, 0608 UTC. RJQ50 wkg RJD93

SML 862 16 25 0900 862 = FM RJQ50 FOR RJH45 RJH48 RJE60 =
25061 99443 11467 41/96 93210 10140 40060 52020 70012 89000 22222 00130 =
AR RJQ50 K

Location: <https://goo.gl/maps/kaKkmE8bPdxfs15G8>

7765 kHz, 25-08, 0817 UTC. RCC wkg RFH72

RFH72 de RCC QTC 874 25 25 0955 874 = FM RCC FOR RFH72 =
00483 43568 33576 24826 53811 11878 46601 10475 38038 03481
86155 17178 58103 37164 46026 45005 52567 62443 48027 00344
37185 23623 25022 AR

8248.5 kHz, 25-08, 0740 UTC, i.p.

28830 02834 13860 88555 73571 13666 85992 61239 68265
38807 69152 83896 01272 88395 05304 11214 86638 16910
55526 25033 K

8167 kHz, 28-08, 0559 UTC. RJI99 wkg RJS

QTC SML 576 14 28 0900 576 = FM RJI99 FOR RJH48 =
28061 99466 11426 41/97 /1107 1018 40140 54000 70200 22200 00170 2//// =
AR RJI99 K

Location: <https://goo.gl/maps/prkDvzFVK7gqyixv9>

5882 kHz, 28-08, 0601 UTC. RJQ50 wkg RJD93

QTC SML FM RJI60 FOR RJH45 RJH48 RJE60 =
28061 99455 11444 41/98 61307 10180 40110 54020 70211 8//// 22233 =
AR RJI60 K

Location: <https://goo.gl/maps/zHKyo497Kx1YGfdy7>

3719 kHz, 28-08, 1200 UTC. RJQ50 wkg RJD93

QTC SML FM RJI60 FOR RJH45 RJH48 RJE60 =
28061 99450 11457

5054 kHz, 28-08, 1201 UTC. RJQ75 wkg RCC

QTC SML FM RJQ75 FOR RJH45/RJH/48/RJE60 =
28121 99800 11660

Location: <https://goo.gl/maps/9ZqBqobcuCMGWLBr8>

3719 kHz, 28-08, 1200 UTC. RCQZ wkg RJD93

QTC FM RCQZ FOR RJH45 RJH48 28121 99445 11491

Location: <https://goo.gl/maps/PK5eX9Vs81natQsA6>

5054 kHz, 28-08, 1211 UTC. RJQ50 wkg RCC

QTC SML 837 16 28 1500 837 = FM RJQ50 FOR RJH45 RJH48 RJE60 =
28121 99453 11490 40/97 50902 10130 40140 54030 70111 80000 22212 00130 =
AR RJQ50 K

Location: <https://goo.gl/maps/g6uhZZeLedDEx5Ab7>

5054 kHz, 28-08, 1200 UTC, RCQD wkg RCC

QTC SML 876 15 29 1500 876 = FM RCQD FOR RJD45 RJH48 RJE60 =
29121 99529 11598 41/98 41410 10220 40100 54000 70210 22200 00080 =
AR RCQD K

Location: <https://goo.gl/maps/koCViosq4M4ZX3oj8>

5054 kHz, 28-08, 1205 UTC. RJQ75 wkg RCC

QTC SML 178 15 29 1500 178 = FM RJQ75 FOR RJH45 RJH48 RJE60 =
29121 99706 11621 41/97 /0809 10040 40210 54000 75055 22200 00020 =
AR RJQ75 K

Location: <https://goo.gl/maps/cgvh33SBLibxvqv4A>

5054 kHz, 28-08, 1210 UTC. RJP42 wkg RJC60

QTC SML 341 14 29 1502 341 = FM RJP42 FOR RJH45 RJH48 =
29121 99435 11333 41/98 90909 10200 40050 53013 70222 8//// 22212 =
AR RJP42 K

5054 kHz, 28-08, 1213 UTC. RJQ50 wkg RCC

QTC SML 467 16 29 1500 467 = FM RJQ50 FOR RJH45 RJH48 RJE60 =
29121 99461 11512 41/96 91408 10110 40090 54000 70226 89000 22200 00110 =
AR RJQ50 K

Location: <https://goo.gl/maps/TkV9d9axAAy4hhDn7>

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

8816 kHz, 02-08, 1730 UTC

RJC38 RJF94 DE 71567 QTO 1720 QRD XLMD XLWF QRE 2040 QBD 0500 K
QTH 16258 13556 QTR 1831 QBG 5500 QBD 0400 K
QTH 16557 13350 QTR 1924 QBG 5500 QBD 0300 QRE XLMD 2030 K
QQM XLMD 2030 SK

8816 kHz, 02-08, 0806 UTC

RJC38 RJF94 DE 71567 QTH 16727 13247 QTR 0804 QBG 5800 QRE XLAA 0908 K
QQM XLAA 0904 SK

8816 kHz, 02-08, 1211 UTC

RJC38 RJF94 DE 71567 QTO 1200 QRD XLLJ XLAA QRE 1340 QBD 0500 K
QTH 16320 13636 QTR 1244 QBG 5500 QRE XLLJ 1345 K
QQM XLLJ 1350 SK

8816 kHz, 02-08, 1502 UTC

RJC38 RJF94 DE 71567 QTO 1450 QRD XLWF XLLJ QRE 1620 QBD 0500 K
QM XLWF 1617 SK

8816 kHz, 02-08, 1518 UTC

RJC38 RJF94 DE 54585 QTO 1508 QRD XUMO XLMD QBD 0600 QRE 1830 K
QQQ ULPE 1559 QBG 270 K
QQQ ULWC 1700 QBD 0400 K
QQM XUMO 1750 SK

8816 kHz, 09-08, 1120 UTC

RJF94 RJC38 DE 10565 QTO 1107 QRD XLMD XLAA QRE 1245 QBD 0630 K
QTH 16742 13243 QTR 1200 QBG 5500 K
QQM XLMD 1239 SK

8816 kHz, 19-08, 1111 UTC

RJF94 RJC38 DE 10563 QTO 1105 QRD XLWF XRAP QRE 1440 QBD 0900 K
QRH 14924 14321 QTR 1209 QBG 6700 K
QTH 15223 13855 QTR 1303 QBG 6700 K
QQM XLWF 1435 SK

8816 kHz, 19-08, 1545 UTC

RJF94 RJC38 DE 10563 QTO 1530 QRD XUBW XLWF QRE 1630 QBD 0500 K
QQM XUBW 1638 SK

8816 kHz, 19-08, 1722 UTC

RJC38 RJF94 DE 54585 QTO 1710 QRD XLMD XUMO QBD 0600 QRE 2010 K
QQQ ULWB 1816 QBG 220 K
QQQ ULPE 1918 QBD 0400 QRE XLMD 2020 K

8816 kHz, 19-08, 1750 UTC

RJF94 RJC38 DE 10563 QTO 1738 QRD XLWF XUBW QRE 1848 QBD 0400 K
QQM XLWF 1839 SK

8816 kHz, 23-08, 0855 UTC

RJC38 RJF94 DE 71565 QTO 0842 QRD XLMD XLWF QRE 1145 QBD 0500 K
QAY XLPB 0942 QBD 0400 QBG 5500K
QTH 16557 13350 QTR 1048 QBD 0300 QRE XLMD 1150 K
QQM XLMD 1150 SK

8816 kHz, 27-08-2019 1618 UTC

RJF94 RJC38 DE 42880 QTO 1600 QRD XLWF XLMD 0430 QRE 1800 K
QQM XLWF 1743 SK

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	5806	24-08	0559	Sat	North Korean Military FSG wkg FWP 7HP MJ6	CW	(F5JBR-J)
---	4116.5	25-08	2202	Sun	i.p. VVV DE AJ54 AJ54 QRK 3 ? QTH 42AAA03/130AAA43/25 K QSL ? QRU VVV AJ52 AJ52 AJ52 DE AJ54 AJ54 QRK ?	CW	(JPL-Sib)
---	4116.5	27-08	1002	Tue	North Korean navy (tentative) AJ54 QRK 2? QTH 42AAA04/130AAA47/27 K QSL ? QTC .A QTH ? ..2 DE AJ54 AJ54 QRK ?	CW	(JPL)
---	4165	28-08	0900	Wed	North Korean Navy (tentative) HOP = QRU 1 QTH 4156/13040?? QRU NIL SK Location: https://goo.gl/maps/a13X9N8rPFmh2S3p9	CW	(F5JBR)
---	4117.75	28-08	1001	Wed	North Korean navy (tentative) QRK 5 GA ...AAA58/130AAA56/27 K QSL ? VVV AJ51 AJ51 DE AJ54 AJ54 QRK ? K	CW	(JPL)
DPRK	14416	1-08	1431	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	1-08	1431	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16225	1-08	1431	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12102	2-08	0830	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(SP1)
DPRK	13376	3-08	1233	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14410	10-08	1303	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13372	21-08	0712	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14410	27-08	1353	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14416	27-08	1353	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16750	28-08	0835	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	13540	1-08	0500	Thu	210 846 53 06734 20102 93794 ... 13405 48123 92168 846 53 00000	USB	(AB-FIN)
E06	16115	1-08	0600	Thu	210 846 53 06734 20102 93794 ... 13405 48123 92168 846 53 00000	USB	(AB)
E06	5940	1-08	2030	Thu	724 741 41 53178 61135 61345 ... 23392 23328 34789 741 41 00000. Windows shut down sound	USB	(AB)
E06	13540	2-08	0500	Fri	210 846 53 06734 20102 93794 ... 13405 48123 92168 846 53 00000	USB	(AB-RUS)
E06	16115	2-08	0600	Fri	210 846 53 06734 20102 93794 ... 13405 48123 92168 846 53 00000	USB	(AB)
E06	5731	2-08	2031	Fri	Late start. 315 741 41 53178 61135 61345 ... 23392 23328 34789 741 41 00000. Windows shut down sound	USB	(AB)
E06	14648	15-08	0300	Thu	361 428 39 94558 ...	USB	(HFD)
E06	12084	15-08	0400	Thu	361 428 39 94558 ...	USB	(HFD-RUS)
E06	13540	15-08	0500	Thu	210 346 57 65462 ...	USB	(HFD)
E06	16115	15-08	0600	Thu	210 346 57 65462 ...	USB	(HFD)
E06	16115	16-08	0600	Fri	210 346 57 65462 63563 44673 ... 63498 18787 53256 346 57 00000	USB	(AB-RUS)
E07	13519	1-08	1410	Thu	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB/HFD)
E07	14819	1-08	1430	Thu	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB)/HFD
E07	15919	1-08	1450	Thu	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB-AUT/HFD)

E07	15919	1-08	1450	Thu	288 1	USB	(HFD)
E07	18446	2-08	0720	Fri	242 242 242 1 7571 87 7571 87 88619 22659 66729 ... 25923 69229 17717 000 000	USB	(AB-FIN/HFD)
E07	19246	2-08	0740	Fri	242 242 242 1 7571 87 7571 87 88619 22659 66729 ... 25923 69229 17717 000 000	USB	(AB-FIN/HFD)
E07	20146	2-08	1100	Fri	123 123 123 1 7362 91 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(AB-FIN/MPJ/HFD)
E07	18246	2-08	1120	Fri	123 123 123 1 7362 91 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(AB-AUT/MPJ/HFD)
E07	16346	2-08	1140	Fri	123 123 123 1 7362 91 7362 91 83440 62938 64695 ... 89678 79220 87160 000 000	USB	(AB/MPJ/HFD)
E07	9064	3-08	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	3-08	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	3-08	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	3-08	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	13519	3-08	1410	Sat	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB/MPJ)
E07	14819	3-08	1430	Sat	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB/MPJ)
E07	15919	3-08	1450	Sat	288 288 288 1 9530 78 9530 78 43872 12588 06915 ... 48062 83837 17904 000 000	USB	(AB-AUT/MPJ)
E07	9064	4-08	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	4-08	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	4-08	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	4-08	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	13397	4-08	1700	Sun	316 316 316 000	USB	(AB/MPJ/HFD)
E07	12197	4-08	1720	Sun	316 316 316 000	USB	(AB/HFD)
E07	16147	5-08	1900	Mon	164 164 164 000	USB	(AB/MPJ/RL/HFD)
E07	14547	5-08	1920	Mon	164 164 164 000	USB	(AB/MPJ/HFD)
E07	16246	6-08	0700	Tue	242 242 242 000	USB	(AB)
E07	18446	6-08	0720	Tue	242 242 242 000	USB	(AB)
E07	20146	6-08	1100	Tue	123 123 123 000	USB	(AB-FIN)
E07	18246	6-08	1120	Tue	123 123 123 000	USB	(AB-FIN)
E07	13397	7-08	1700	Wed	316 316 316 000	USB	(AB/MPJ)
E07	12197	7-08	1720	Wed	316 316 316 000	USB	(AB/MPJ)
E07	16147	7-08	1900	Wed	164 164 164 000	USB	(AB-RUS/MPJ)
E07	14547	7-08	1920	Wed	164 164 164 000	USB	(AB/MPJ)
E07	13519	8-08	1410	Thu	288 288 288 000	USB	(AB)
E07	14819	8-08	1430	Thu	288 288 288 000	USB	(AB)
E07	16246	9-08	0700	Fri	242 242 242 000	USB	(AB-FIN)
E07	18446	9-08	0720	Fri	242 242 242 000	USB	(AB-FIN)
E07	20146	9-08	1100	Fri	123 123 123 000	USB	(AB-FIN/MPJ)
E07	18246	9-08	1120	Fri	123 123 123 000	USB	(AB/MPJ)
E07	9064	10-08	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	10-08	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	10-08	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	10-08	1320	Sat	024 024 024 000	USB	(AB/MPJ)

E07	13519	10-08	1410	Sat	288 288 288 000	USB	(AB/MPJ)
E07	14819	10-08	1430	Sat	288 288 288 000	USB	(AB/MPJ)
E07	9064	11-08	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	11-08	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	11-08	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	11-08	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	13397	11-08	1700	Sun	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	12197	11-08	1720	Sun	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	10697	11-08	1740	Sun	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	16147	12-08	1900	Mon	164 164 164 000	USB	(AB/MPJ)
E07	14547	12-08	1920	Mon	164 164 164 000	USB	(AB/MPJ/RL)
E07	20146	13-08	1100	Tue	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	18246	13-08	1120	Tue	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	16346	13-08	1140	Tue	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	13397	14-08	1700	Wed	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	12197	14-08	1720	Wed	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	10697	14-08	1740	Wed	316 316 316 1 231 57 231 57 23539 26001 15484 ... 35807 43638 35731 000 000	USB	(AB/MPJ)
E07	16147	14-08	1900	Wed	164 164 164 000	USB	(AB/MPJ/RL)
E07	14547	14-08	1920	Wed	164 164 164 000	USB	(AB/MPJ/RL)
E07	13519	15-08	1410	Thu	288 288 288 000	USB	(AB/MPJ)
E07	14819	15-08	1430	Thu	288 288 288 000	USB	(AB/MPJ)
E07	16246	16-08	0700	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	18446	16-08	0720	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	19246	16-08	0740	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	20146	16-08	1100	Fri	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	18246	16-08	1120	Fri	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	16346	16-08	1140	Fri	123 123 123 1 211 54 211 54 33280 94727 48002 ... 68438 12839 80502 000 000	USB	(AB-FIN/MPJ)
E07	9064	17-08	0600	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	10264	17-08	0620	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	11464	17-08	0640	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	9064	17-08	1300	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	10264	17-08	1320	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	11464	17-08	1340	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	13519	17-08	1410	Sat	288 288 288 000	USB	(MPJ)
E07	14819	17-08	1430	Sat	288 288 288 000	USB	(MPJ)
E07	9064	18-08	0600	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	10264	18-08	0620	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	11464	18-08	0640	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	9064	18-08	1300	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)

E07	10264	18-08	1320	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	11464	18-08	1340	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	13397	18-08	1700	Sun	316 316 316 1 207 30 207 30 74510 48550 88542 ... 37499 76801 17170 000 000	USB	(AB/MPJ)
E07	12197	18-08	1720	Sun	316 316 316 1 207 30 207 30 74510 48550 88542 ... 37499 76801 17170 000 000	USB	(AB/MPJ)
E07	10697	18-08	1740	Sun	316 316 316 1 207 30 207 30 74510 48550 88542 ... 37499 76801 17170 000 000	USB	(AB/MPJ)
E07	16147	19-08	1900	Mon	164 164 164 000	USB	(AB/MPJ)
E07	14547	19-08	1920	Mon	164 164 164 000	USB	(AB/MPJ)
E07	16246	20-08	0700	Tue	242 242 242 000	USB	(AB)
E07	18446	20-08	0720	Tue	242 242 242 000	USB	(AB)
E07	20146	20-08	1100	Tue	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB-AUT/MPJ)
E07	18246	20-08	1120	Tue	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB/MPJ)
E07	16346	20-08	1140	Tue	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB/MPJ)
E07	13397	21-08	1700	Wed	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	12197	21-08	1720	Wed	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	10697	21-08	1740	Wed	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	16147	21-08	1900	Wed	164 164 164 000	USB	(AB/MPJ)
E07	14547	21-08	1920	Wed	164 164 164 000	USB	(AB/MPJ)
E07	13519	22-08	1410	Thu	288 288 288 000	USB	(AB/MPJ)
E07	14819	22-08	1430	Thu	288 288 288 000	USB	(AB/MPJ)
E07	16246	23-08	0700	Fri	242 242 242 000	USB	(AB)
E07	18446	23-08	0720	Fri	242 242 242 000	USB	(AB)
E07	20146	23-08	1100	Fri	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB-FIN/MPJ)
E07	18246	23-08	1120	Fri	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB-FIN/MPJ)
E07	16346	23-08	1140	Fri	123 123 123 1 6802 98 6802 98 42960 51224 53437 ... 88258 64260 43581 000 000	USB	(AB/MPJ)
E07	9064	24-08	0600	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	10264	24-08	0620	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	11464	24-08	0640	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	9064	24-08	1300	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	10264	24-08	1320	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	11464	24-08	1340	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	13519	24-08	1410	Sat	288 288 288 000	USB	(AB/MPJ)
E07	14819	24-08	1430	Sat	288 288 288 000	USB	(AB/MPJ)
E07	9064	25-08	0600	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	10264	25-08	0620	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	11464	25-08	0640	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	9064	25-08	1300	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	10264	25-08	1320	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	11464	25-08	1340	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	13397	25-08	1700	Sun	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)

E07	12197	25-08	1720	Sun	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	10697	25-08	1740	Sun	316 316 316 1 536 139 536 239 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	16147	26-08	1900	Mon	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	14547	26-08	1920	Mon	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	13447	26-08	1940	Mon	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	16246	27-08	0700	Tue	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	18446	27-08	0720	Tue	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	19246	27-08	0740	Tue	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	20146	27-08	1100	Tue	123 123 123 000	USB	(AB/MPJ)
E07	18246	27-08	1120	Tue	123 123 123 000	USB	(AB/MPJ)
E07	13397	28-08	1700	Wed	316 316 316 000	USB	(AB/MPJ)
E07	12197	28-08	1720	Wed	316 316 316 000	USB	(AB/MPJ)
E07	16147	28-08	1900	Wed	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/MPJ/RL)
E07	14547	28-08	1920	Wed	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/MPJ/RL)
E07	13447	28-08	1940	Wed	164 164 164 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	13519	29-08	1410	Thu	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(AB/MPJ)
E07	14819	29-08	1430	Thu	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(AB/MPJ)
E07	15919	29-08	1450	Thu	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(AB/MPJ)
E07	16246	30-08	0700	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	18446	30-08	0720	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	19246	30-08	0740	Fri	242 242 242 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	20146	30-08	1100	Fri	123 123 123 000	USB	(AB/MPJ)
E07	18246	30-08	1120	Fri	123 123 123 000	USB	(AB)
E07	9064	31-08	0600	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	10264	31-08	0620	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	11464	31-08	0640	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB)
E07	9064	31-08	1300	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	10264	31-08	1320	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	11464	31-08	1340	Sat	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/MPJ)
E07	13519	31-08	1410	Sat	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(MPJ)
E07	14819	31-08	1430	Sat	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(MPJ)
E07	15919	31-08	1450	Sat	228 288 288 1 8366 84 8366 84 12642 55091 15306 ... 63781 08735 01659 000 000	USB	(MPJ)
E07a	7933	1-08	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	1-08	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	2-08	1510	Fri	241 241 241 000	USB	(AB/GHn/MPJ/HFD)
E07a	11413	2-08	1530	Fri	241 241 241 000	USB	(AB/GHn/MPJ/HFD)
E07a	12177	3-08	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	3-08	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	7-08	2000	Wed	172 172 172 000	USB	(AB/RL)

E07a	10766	7-08	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	8-08	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	8-08	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	9-08	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	9-08	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	10-08	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	10-08	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	14-08	2000	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB/RL)
E07a	10766	14-08	2020	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB/RL)
E07a	9266	14-08	2040	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB/RL)
E07a	7933	15-08	0430	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	9133	15-08	0450	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	10233	15-08	0510	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	12213	16-08	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	16-08	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	17-08	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	17-08	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	21-08	2000	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	10766	21-08	2020	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	9266	21-08	2040	Wed	172 172 172 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	7933	22-08	0430	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	9133	22-08	0450	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	10233	22-08	0510	Thu	912 912 912 1 30894 338 77 338 77 29466 23553 56552 ... 59310 77164 24957 000 000	USB	(AB)
E07a	12213	23-08	1510	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	11413	23-08	1530	Fri	241 241 241 000	USB	(AB/MPJ)
E07a	12177	24-08	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	24-08	0820	Sat	148 148 148 000	USB	(AB)
E07a	12166	28-08	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	28-08	2020	Wed	172 172 172 000	USB	(AB/RL)
E07a	7933	29-08	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	29-08	0450	Thu	912 912 912 000	USB	(AB)
E07a	12213	30-08	1510	Fri	241 241 241 000	USB	(AB/GHn)
E07a	11413	30-08	1530	Fri	241 241 241 000	USB	(AB)
E07a	12177	31-08	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	31-08	0820	Sat	148 148 148 000	USB	(AB)
E11	13424	1-08	0645	Thu	517/00	USB	(AB)
E11	4909	1-08	0820	Thu	430/00	USB	(AB)
E11	12153	1-08	0845	Thu	151/00	USB	(AB)
E11	6923	1-08	0930	Thu	273/00	USB	(AB)

E11	11092	1-08	1300	Thu	589/00	USB	(AB)
E11	10356	1-08	1530	Thu	260/00	USB	(AB/MPJ)
E11	14575	1-08	1645	Thu	336/00	USB	(AB/MPJ)
E11	8088	1-08	1730	Thu	412/00	USB	(AB/MPJ)
E11	7600	1-08	1900	Thu	647/00	USB	(AB/GHn/MPJ)
E11	6849	2-08	0435	Fri	352/00	USB	(AB)
E11	11559	2-08	0600	Fri	184/00	USB	(AB)
E11	8680	2-08	0700	Fri	574/00	USB	(AB)
E11	10429	2-08	0715	Fri	639/00	USB	(AB)
E11	15720	2-08	0745	Fri	342/00	USB	(AB-POL)
E11	8180	2-08	1000	Fri	307/00	USB	(AB)
E11	5409	2-08	1530	Fri	522/00	USB	(AB)
E11	12229	2-08	1650	Fri	927/00	USB	(AB/MPJ)
E11	9610	2-08	1910	Fri	616/00	USB	(AB-POL)
E11	5737	3-08	0805	Sat	315/00	USB	(AB)
E11	11092	3-08	1300	Sat	589/00	USB	(AB/MPJ)
E11	12984	3-08	1345	Sat	914/00	USB	(MPJ)
E11	4783	3-08	1705	Sat	390/00	USB	(AB/MPJ)
E11	7984	3-08	1730	Sat	405/00	USB	(AB/MPJ)
E11	5082	3-08	1930	Sat	363/00	USB	(AB)
E11	5737	4-08	0805	Sun	311/00	USB	(AB)
E11	5371	4-08	1605	Sun	232/00	USB	(AB/MPJ)
E11	7863	4-08	1625	Sun	976/00	USB	(AB/MPJ)
E11	12229	4-08	1650	Sun	921/00	USB	(AB/MPJ)
E11	14410	4-08	1745	Sun	240/00	USB	(AB/MPJ)
E11	9610	4-08	1910	Sun	617/00	USB	(AB)
E11	5082	4-08	1930	Sun	367/00	USB	(AB)
E11	11559	5-08	0600	Mon	185/00	USB	(AB)
E11	15800	5-08	0640	Mon	941/00	USB	(AB)
E11	9610	5-08	0745	Mon	266/00	USB	(AB)
E11	7449	5-08	0900	Mon	532/00	USB	(AB)
E11	8545	5-08	1045	Mon	693/00	USB	(AB)
E11	5409	5-08	1530	Mon	525/00	USB	(AB/MPJ)
E11	14410	5-08	1745	Mon	247/00	USB	(AB/MPJ)
E11	13424	6-08	0645	Tue	515/00	USB	(AB)
E11	8680	6-08	0700	Tue	570/00	USB	(AB)
E11	17378	6-08	0820	Tue	138/00	USB	(AB)
E11	12153	6-08	0845	Tue	157/00	USB	(AB)
E11	8180	6-08	1000	Tue	305/00	USB	(AB)

E11	6304	6-08	1205	Tue	465/00	USB	(AB)
E11	12984	6-08	1345	Tue	910/00	USB	(AB)
E11	5371	6-08	1605	Tue	233/00	USB	(AB)
E11	14575	6-08	1645	Tue	333/00	USB	(AB-POL/MPJ)
E11	15720	7-08	0745	Wed	349/00	USB	(AB)
E11	17378	7-08	0820	Wed	134/00	USB	(AB)
E11	7449	7-08	0900	Wed	538/00	USB	(AB)
E11	6923	7-08	0930	Wed	270/00	USB	(AB)
E11	8545	7-08	1045	Wed	690/00	USB	(AB)
E11	6304	7-08	1205	Wed	462/00	USB	(AB/MPJ)
E11	7863	7-08	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	4783	7-08	1705	Wed	396/00	USB	(AB/MPJ)
E11	13424	8-08	0645	Thu	510/00	USB	(AB)
E11	4909	8-08	0820	Thu	431/00	USB	(AB)
E11	12153	8-08	0845	Thu	150/00	USB	(AB)
E11	6923	8-08	0930	Thu	273/00	USB	(AB)
E11	10356	8-08	1530	Thu	267/00	USB	(AB/MPJ)
E11	14575	8-08	1645	Thu	335/00	USB	(AB/MPJ)
E11	6849	9-08	0435	Fri	354/00	USB	(AB)
E11	11559	9-08	0600	Fri	185/00	USB	(AB)
E11	8680	9-08	0700	Fri	573/00	USB	(AB)
E11	10429	9-08	0715	Fri	634/00	USB	(AB)
E11	15720	9-08	0745	Fri	346/00	USB	(AB-POL)
E11	8180	9-08	1000	Fri	309/00	USB	(AB)
E11	5409	9-08	1530	Fri	520/00	USB	(AB/MPJ)
E11	9610	9-08	1910	Fri	616/00	USB	(MPJ)
E11	6480	10-08	0710	Sat	492/00	USB	(AB)
E11	5737	10-08	0805	Sat	310/00	USB	(AB)
E11	12984	10-08	1345	Sat	914/00	USB	(AB/MPJ)
E11	4783	10-08	1705	Sat	395/00	USB	(AB/MPJ)
E11	5082	10-08	1930	Sat	365/00	USB	(AB)
E11	6849	11-08	0435	Sun	352/00	USB	(HFD)
E11	6480	11-08	0710	Sun	498/00	USB	(AB)
E11	5737	11-08	0805	Sun	316/00	USB	(AB)
E11	5371	11-08	1605	Sun	236/00	USB	(AB)
E11	7863	11-08	1625	Sun	976/00	USB	(AB/MPJ)
E11	14410	11-08	1745	Sun	240/00	USB	(AB/MPJ)
E11	9610	11-08	1910	Sun	611/00	USB	(AB)
E11	5082	11-08	1930	Sun	364/00	USB	(AB)

E11	15800	12-08	0640	Mon	944/00	USB	(AB)
E11	9610	12-08	0745	Mon	269/00 Technical problems	USB	(AB)
E11	5409	12-08	1530	Mon	520/00	USB	(AB)
E11	14410	12-08	1745	Mon	244/00	USB	(AB/MPJ)
E11	7600	12-08	1900	Mon	647/00	USB	(AB/MPJ)
E11	8680	13-08	0700	Tue	579/00	USB	(AB)
E11	6304	13-08	1205	Tue	465/00	USB	(MPJ)
E11	12984	13-08	1345	Tue	910/00	USB	(AB/MPJ)
E11	14575	13-08	1645	Tue	335/00	USB	(AB/MPJ)
E11	15800	14-08	0640	Wed	948/00	USB	(AB/HFD)
E11	15720	14-08	0745	Wed	348/00	USB	(AB)
E11	6304	14-08	1205	Wed	463/00	USB	(AB)
E11	7863	14-08	1625	Wed	974/00	USB	(AB/MPJ)
E11	8565	15-08	0315	Thu	252/00	USB	(HFD)
E11	4909	15-08	0820	Thu	439/00	USB	(AB)
E11	12153	15-08	0845	Thu	150/00	USB	(AB)
E11	6923	15-08	0930	Thu	270/00	USB	(AB)
E11	14575	15-08	1645	Thu	Active but unreadable	USB	(MPJ)
E11	8088	15-08	1730	Thu	418/00	USB	(MPJ)
E11	7600	15-08	1900	Thu	646/00	USB	(AB/MPJ)
E11	6849	16-08	0435	Fri	358/00	USB	(AB)
E11	11559	16-08	0600	Fri	182/00	USB	(AB)
E11	8680	16-08	0700	Fri	575/00	USB	(AB)
E11	15720	16-08	0745	Fri	342/00	USB	(AB)
E11	5409	16-08	1530	Fri	521/00	USB	(AB/MPJ)
E11	12229	16-08	1650	Fri	920/00	USB	(AB/MPJ)
E11	9610	16-08	1910	Fri	610/00	USB	(AB-POL/MPJ)
E11	6480	17-08	0710	Sat	498/00	USB	(AB)
E11	12984	17-08	1345	Sat	914/00	USB	(MPJ)
E11	6480	18-08	0710	Sun	491/00	USB	(AB)
E11	7863	18-08	1625	Sun	970/00	USB	(AB/MPJ)
E11	12229	18-08	1650	Sun	925/00	USB	(AB/MPJ)
E11	14410	18-08	1745	Sun	242/00	USB	(AB/MPJ)
E11	9610	18-08	1910	Sun	612/00	USB	(GHn/MPJ)
E11	11559	19-08	0600	Mon	189/00	USB	(AB)
E11	9610	19-08	0745	Mon	264/00	USB	(AB)
E11	7449	19-08	0900	Mon	539/00	USB	(AnEur)
E11	8545	19-08	1045	Mon	691/00	USB	(AB)
E11	7600	19-08	1900	Mon	647/00	USB	(AB/MPJ)

E11	13424	20-08	0645	Tue	519/00	USB	(AB)
E11	8680	20-08	0700	Tue	576/00	USB	(AB)
E11	10429	20-08	0715	Tue	631/00	USB	(AB)
E11	17378	20-08	0820	Tue	131/00	USB	(AB)
E11	8180	20-08	1000	Tue	302/00	USB	(AB)
E11	12984	20-08	1345	Tue	914/00	USB	(MPJ)
E11	5371	20-08	1605	Tue	230/00	USB	(AB)
E11	8565	21-08	0315	Wed	251/00	USB	(AB)
E11	17378	21-08	0820	Wed	130/00	USB	(AB)
E11	7449	21-08	0900	Wed	534/00	USB	(AB)
E11	8545	21-08	1045	Wed	696/00	USB	(AB)
E11	4783	21-08	1705	Wed	392/00	USB	(MPJ)
E11	8565	22-08	0315	Thu	259/00	USB	(AB)
E11	13424	22-08	0645	Thu	512/00	USB	(AB)
E11	10356	22-08	1530	Thu	269/00	USB	(AB/MPJ)
E11	8088	22-08	1730	Thu	413/00	USB	(AB/MPJ)
E11	7600	22-08	1900	Thu	643/00	USB	(AB)
E11	11559	23-08	0600	Fri	181/00	USB	(AB)
E11	8680	23-08	0700	Fri	571/00	USB	(AB)
E11	10429	23-08	0715	Fri	634/00	USB	(AB)
E11	12229	23-08	1650	Fri	926/00	USB	(AB/MPJ)
E11	6480	24-08	0710	Sat	496/00	USB	(AB)
E11	5737	24-08	0805	Sat	312/00	USB	(AB)
E11	12984	24-08	1345	Sat	911/00	USB	(MPJ)
E11	4783	24-08	1705	Sat	390/00	USB	(AB/MPJ)
E11	5082	24-08	1930	Sat	367/00	USB	(AB)
E11	6480	25-08	0710	Sun	491/00	USB	(AB)
E11	5737	25-08	0805	Sun	313/00	USB	(AB)
E11	5371	25-08	1605	Sun	230/00	USB	(MPJ)
E11	12229	25-08	1650	Sun	929/00	USB	(AB/MPJ)
E11	7469	26-08	0450	Mon	413/00	USB	(HFD)
E11	7469	26-08	0450	Mon	413/00	USB	(AB)
E11	15800	26-08	0640	Mon	945/00	USB	(AB)
E11	7449	26-08	0900	Mon	532/00	USB	(AB)
E11	8545	26-08	1045	Mon	692/00	USB	(AB)
E11	5409	26-08	1530	Mon	520/00	USB	(AB/MPJ)
E11	14410	26-08	1745	Mon	248/00	USB	(AB/MPJ)
E11	7600	26-08	1900	Mon	649/00	USB	(AB/MPJ)
E11	13424	27-08	0645	Tue	515/00	USB	(AB)

E11	10429	27-08	0715	Tue	633/00	USB	(AB)
E11	12153	27-08	0845	Tue	157/00	USB	(AB)
E11	8180	27-08	1000	Tue	308/00	USB	(AB/MPJ)
E11	6304	27-08	1205	Tue	461/00	USB	(AB/MPJ)
E11	5371	27-08	1605	Tue	235/00	USB	(AB/MPJ)
E11	14575	27-08	1645	Tue	338/00	USB	(AB)
E11	8565	28-08	0315	Wed	253/00	USB	(AB)
E11	15800	28-08	0640	Wed	942/00	USB	(AB)
E11	15720	28-08	0745	Wed	343/00	USB	(AB)
E11	7449	28-08	0900	Wed	534/00	USB	(AB)
E11	6923	28-08	0930	Wed	276/00	USB	(AB)
E11	8545	28-08	1045	Wed	691/00	USB	(AB)
E11	6304	28-08	1205	Wed	460/00	USB	(AB)
E11	7863	28-08	1625	Wed	972/00	USB	(AB/MPJ)
E11	4783	28-08	1705	Wed	390/00	USB	(AB/MPJ)
E11	13424	29-08	0645	Thu	514/00	USB	(AB)
E11	4909	29-08	0820	Thu	434/00	USB	(AB)
E11	12153	29-08	0845	Thu	150/00	USB	(AB)
E11	6923	29-08	0930	Thu	273/00	USB	(AB)
E11	14575	29-08	1645	Thu	334/00	USB	(AB)
E11	8088	29-08	1730	Thu	410/00	USB	(AB)
E11	7600	29-08	1900	Thu	640/00	USB	(AB)
E11	10429	30-08	0715	Fri	636/00	USB	(AB)
E11	15720	30-08	0745	Fri	343/00	USB	(AB)
E11	4909	30-08	0820	Fri	432/00	USB	(AB)
E11	8180	30-08	1000	Fri	302/00	USB	(AB)
E11	5409	30-08	1530	Fri	525/00	USB	(AB/GHn/MPJ
E11	12229	30-08	1650	Fri	924/00	USB	(AB/MPJ)
E11	9610	30-08	1910	Fri	616/00	USB	(AB-POL/MPJ)
E11	6480	31-08	0710	Sat	495/00	USB	(AB)
E11	5737	31-08	0805	Sat	314/00	USB	(AB)
E11	4783	31-08	1705	Sat	394/00	USB	(AB/MPJ)
E11	5082	31-08	1930	Sat	365/00	USB	(AB)
E11a	6480	3-08	0710	Sat	497/35 Attention 35066 66605 81154 ... 98495 48355 36503 Attention (message repeated) Out	USB	(AB)
E11a	6480	4-08	0710	Sun	497/35 Attention 35066 66605 81154 ... 98495 48355 36503 Attention (message repeated) Out	USB	(AB)
E11a	7469	5-08	0450	Mon	413/38 Attention 88101 29280 06709 ... 22901 98394 94655 Attention (message repeated) Out	USB	(AB)
E11a	7600	5-08	1900	Mon	644/35 Attention 69956 59963 14637 ... 84146 33609 00395 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10429	6-08	0715	Tue	634/31 Attention 43101 99995 13580 ... 93056 70805 71562 Attention (message repeated) Out	USB	(AB)
E11a	5149	7-08	1130	Wed	Exercise traffic. 121/23 Attention 33256 35565 23458 ... 53839 73643 536.3 Attention (message	USB	(AB)

					repeated) Out		
E11a	7984	7-08	1730	Wed	403/32 Attention 71409 37755 80717 ... 84393 74755 50880 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8088	8-08	1730	Thu	413/38 Attention 88101 29280 06709 ... 22901 98394 94655 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7600	8-08	1900	Thu	644/35 Attention 69956 59963 14637 ... 84146 33609 00395 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	12229	9-08	1650	Fri	927/34 Attention 04268 27869 93745 ... 12346 45478 84643 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7984	10-08	1730	Sat	403/32 Attention 71409 37755 80717 ... 84393 74755 50880 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12229	11-08	1650	Sun	927/34 Attention 04268 27869 93745 ... 12346 45478 84643 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7449	12-08	0900	Mon	535/37 Attention 94110 31869 86313597 57467 01084 Attention (message repeated) Out. Technica problems. Disappearing digits.	USB	(AB)
E11a	8545	12-08	1045	Mon	696/25 Attention 88174 46220 69710 ... 76095 79873 57961 Attention (message repeated) Out	USB	(AB)
E11a	13424	13-08	0645	Tue	519/31 Attention 34598 14612 53277 ... 29767 51974 57460 Attention (message repeated) Out	USB	(AB)
E11a	8180	13-08	1000	Tue	309/31 Attention 16372 46242 88586 ... 53304 89718 82744 Attention (message repeated) Out	USB	(AB)
E11a	5371	13-08	1605	Tue	231/38 Attention 17072 63118 02164 ... 43539 13678 59847 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8545	14-08	1045	Wed	696/25 Attention 88174 46220 69710 ... 76095 79873 57961 Attention (message repeated) Out	USB	(AB)
E11a	4783	14-08	1705	Wed	394/38 Attention 00303 88659 39159 ... 34132 88996 41662 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13424	15-08	0645	Thu	519/31 Attention 34598 14612 53277 ... 29767 51974 57460 Attention (message repeated) Out	USB	(AB)
E11a	8180	16-08	1000	Fri	309/31 Attention 16372 46242 88586 ... 53304 89718 82744 Attention (message repeated) Out	USB	(AB)
E11a	5737	17-08	0805	Sat	316/33 Attention 85935 98851 54851 ... 00491 32843 44195 Attention (message repeated) Out	USB	(AB)
E11a	4783	17-08	1705	Sat	394/38 Attention 00303 88659 39159 ... 34132 88996 41662 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5737	18-08	0805	Sun	316/33 Attention 85935 98851 54851 ... 00491 32843 44195 Attention (message repeated) Out	USB	(AB)
E11a	5371	18-08	1605	Sun	231/38 Attention 17072 63118 02164 ... 43539 13678 59847 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5082	18-08	1930	Sun	363/36 Attention 48145 37646 71241 ... 79914 43601 36266 Attention (message repeated) Out	USB	(AB/GHn)
E11a	5409	19-08	1530	Mon	522/31 Attention 94061 82054 49018 ... 81594 26522 96274 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14410	19-08	1745	Mon	246/35 Attention 92603 58104 34287 ... 80559 34573 77840 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12153	20-08	0845	Tue	150/27 Attention 06875 68243 75805 ... 57417 46599 41509 Attention (message repeated) Out	USB	(AB)
E11a	6304	20-08	1205	Tue	463/35 Attention 07354 84603 27433 ... 56101 26474 92444 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14575	20-08	1645	Tue	338/36 Attention 52954 66832 38600 ... 67554 47308 42436 Attention (message repeated) Out	USB	(AB-POL/MPJ-AUT)
E11a	15800	21-08	0640	Wed	948/35 Attention 78012 81585 36864 ... 88595 88845 74320 Attention (message repeated) Out	USB	(AB/F5JBR)
E11a	15720	21-08	0745	Wed	349/38 Attention 51418 22656 57953 ... 97910 56757 22150 Attention (message repeated) Out	USB	(AB)
E11a	6923	21-08	0930	Wed	275/36 Attention 36130 85187 02852 ... 30631 35207 86694 Attention (message repeated) Out	USB	(AB)
E11a	6304	21-08	1205	Wed	463/35 Attention 07354 84603 27433 ... 56101 26474 92444 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7863	21-08	1625	Wed	976/31 Attention 11445 95037 82657 ... 37594 99071 00066 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	22-08	0820	Thu	432/37 Attention 38151 24092 38577 ... 50491 71139 91103 Attention (message repeated) Out	USB	(AB)
E11a	12153	22-08	0845	Thu	150/27 Attention 06875 68243 75805 ... 57417 46599 41509 Attention (message repeated) Out	USB	(AB)
E11a	6923	22-08	0930	Thu	275/36 Attention 36130 85187 02852 ... 30631 35207 86694 Attention (message repeated) Out	USB	(AB)
E11a	14575	22-08	1645	Thu	338/36 Attention 52954 66832 38600 ... 67554 47308 42436 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	6849	23-08	0435	Fri	353/33 Attention 95383 13540 63013 ... 46473 98249 52113 Attention (message repeated) Out	USB	(AB/HFD)
E11a	15720	23-08	0745	Fri	349/38 Attention 51418 22656 57953 ... 97910 56757 22150 Attention (message repeated) Out	USB	(AB-POL)
E11a	4909	23-08	0820	Fri	432/37 Attention 38151 24092 38577 ... 50491 71139 91103 Attention (message repeated) Out	USB	(AB-POL)

E11a	5409	23-08	1530	Fri	522/31 Attention 94061 82054 49018 ... 81594 26522 96274 Attention (message repeated) Out	USB	(AB)
E11a	9610	23-08	1910	Fri	612/31 Attention 52418 34959 62988 17880 ...	USB	(AB-POL/MPJ)
E11a	7863	25-08	1625	Sun	976/31 Attention 11445 95037 82657 ... 37594 99071 00066 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14410	25-08	1745	Sun	246/35 Attention 92603 58104 34287 ... 80559 34573 77840 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	9610	25-08	1910	Sun	612/31 Attention ...	USB	(AB-POL/MPJ)
E11a	5082	25-08	1930	Sun	363/36 Attention 48145 37646 71241 ... 79914 43601 36266 Attention (message repeated) Out	USB	(AB)
E11a	11559	26-08	0600	Mon	185/26 Attention 55200 18889 58533 ... 06453 32686 88389 Attention (message repeated) Out	USB	(AB)
E11a	9610	26-08	0745	Mon	269/40 Attention 55223 33497 70362 ... 02906 85239 84988 Attention (message repeated) Out	USB	(AB)
E11a	8680	27-08	0700	Tue	574/36 Attention 22283 56351 85791 ... 56380 86857 39334 Attention (message repeated) Out	USB	(AB)
E11a	17378	27-08	0820	Tue	133/31 Attention 69376 53485 00962 ... 31901 05737 76053 Attention (message repeated) Out	USB	(AB)
E11a	12984	27-08	1345	Tue	918/35 Attention 76333 62926 36631 ... 81988 01289 79754 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	17378	28-08	0820	Wed	133/31 Attention 69376 53485 00962 ... 31901 05737 76053 Attention (message repeated) Out	USB	(AB)
E11a	10356	29-08	1530	Thu	269/40 Attention 55223 33497 70362 ... 02906 85239 84988 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11559	30-08	0600	Fri	185/26 Attention 55200 18889 58533 ... 06453 32686 88389 Attention (message repeated) Out	USB	(AB)
E11a	8680	30-08	0700	Fri	574/36 Attention 22283 56351 85791 ... 56380 86857 39334 Attention (message repeated) Out	USB	(AB)
E11a	12984	31-08	1345	Sat	918/35 Attention 76333 62926 36631 ... 81988 01289 79754 Attention (message repeated) Out	USB	(MPJ)
E17z	16781	1-08	0800	Thu	217 948 5 46062 68672 97478 36685 30485 948 5 00000	AM/USB	(AB/HFD)
E17z	12851	1-08	0810	Thu	217 948 5 46062 68672 97478 36685 30485 948 5 00000	AM/USB	(AB)
E17z	16781	8-08	0800	Thu	217 948 5 46062 68672 97478 36685 30485 948 5 00000	AM/USB	(AB-G)
E17z	12851	8-08	0810	Thu	217 948 5 46062 68672 97478 36685 30485 948 5 00000	AM/USB	(AB)
E17z	10240	13-08	1402	Tue	Test i.p. 274 (Rpt) 510 25 47665 94092 48521 63888 9206...	USB	(ES-HOL)
E17z	16781	15-08	0800	Thu	217 958 6 40614 77249 40678 17976 21816 42997 958 6 00000	AM/USB	(AB)
E17z	12851	15-08	0810	Thu	217 958 6 40614 77249 40678 17976 21816 42997 958 6 00000	AM/USB	(AB)
E17z	10240	19-08	1339	Mon	Exercise i.p. 274 (Rpt) 88620 58069 61732 74537 57440 20597 23521à Test Tones. 274 (Rpt) 57440 20597 23521 47660 ...	AM	(ES-HOL)
E17z	16781	22-08	0800	Thu	217 958 6 40614 77249 40678 17976 21816 42997 958 6 00000	AM/USB	(AB)
E17z	12851	22-08	0810	Thu	217 958 6 40614 77249 40678 17976 21816 42997 958 6 00000	AM/USB	(AB)
E17z	16781	29-08	0800	Thu	217 217 217 00000	AM/USB	(AB)
E17z	12851	29-08	0810	Thu	217 217 217 00000	AM/USB	(AB)
EGY	16223.7	8-08	0635	Thu	MFA Cairo clg OOVF: Egyptian embassy Pyongyang	SITOR-A 100/170	(SP1)
EGY	14716.7	28-08	1432	Wed	71: Egyptian Military Intelligence Cairo encrypted msg to TVVX: Egyptian embassy Algiers	SITOR-A 100/170	(AB)
F01	15854	7-08	1830	Wed	Russian diplo/intel. Test: 6464646464646464	FSK 200/500	(AB)
F01	15854	7-08	1840	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB-RUS/MPJ/HFD)
F01	13543	7-08	1850	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/HFD)
F01	11126	7-08	1900	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/HFD)
F01	14373	19-08	0135	Mon	Russian diplo/intel. Header: 11177 00117 68891 15039 02879	FSK 200/500	(AB-USA)
F01	14373	26-08	0135	Mon	Russian diplo/intel.	FSK 200/500	(AB-USA)
F03a	12385	1-08	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	1-08	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)

F03a	6304	1-08	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	1-08	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	2-08	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	2-08	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	5-08	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	5-08	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	5-08	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	5-08	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	6-08	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	6-08	0805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	6-08	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	6-08	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	7-08	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	7-08	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	7-08	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	7-08	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	7-08	1330	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	7-08	1335	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	8-08	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	8-08	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	8-08	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	8-08	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	9-08	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	9-08	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	12-08	0630	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	12-08	0635	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	12-08	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	12-08	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	14-08	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	14-08	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	14-08	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	14-08	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	14-08	1330	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	14-08	1335	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	15-08	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	15-08	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	15-08	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	15-08	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	16-08	1330	Fri	Polish Intel.	FSK-2 100/200	(AB)

F03a	16335	16-08	1335	Fri	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	19-08	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	19-08	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	20-08	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	20-08	0805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	21-08	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	21-08	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	21-08	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	21-08	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	21-08	1330	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	16335	21-08	1335	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	22-08	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	22-08	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	22-08	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	22-08	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	26-08	1830	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	26-08	1835	Mon	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	27-08	0800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	27-08	0805	Tue	Polish Intel.	FSK-2 100/200	(AB/DPC)
F03a	12385	27-08	1800	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	27-08	1805	Tue	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	28-08	0630	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	17410	28-08	0635	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	28-08	0800	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	18030	28-08	0805	Wed	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	29-08	1800	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	12385	29-08	1805	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	29-08	1830	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03a	6304	29-08	1835	Thu	Polish Intel.	FSK-2 100/200	(AB)
F03c	10210	2-08	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	2-08	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	5-08	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	5-08	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	9-08	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	9-08	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	12-08	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	12-08	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	16-08	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	16-08	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)

F03c	10210	23-08	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	23-08	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	26-08	0940	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	26-08	0945	Mon	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	30-08	0940	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03c	10210	30-08	0945	Fri	Polish Intel.	FSK-2 400/960	(AB)
F03f	10210	1-08	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	1-08	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	5-08	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	5-08	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	8-08	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	8-08	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	12-08	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	12-08	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	22-08	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	22-08	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	26-08	1000	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	26-08	1005	Mon	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	29-08	1000	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03f	10210	29-08	1005	Thu	Polish Intel.	FSK-2 400/800 ACF 992	(AB)
F03g	17410	1-08	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	1-08	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	6-08	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	6-08	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	8-08	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	8-08	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	15-08	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	15-08	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	20-08	0725	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	20-08	0730	Tue	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	22-08	0725	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	22-08	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03g	17410	29-08	0725	Thu	Polish Intel.	FSK-4 100/200	(AB/DPC)
F03g	17410	29-08	0730	Thu	Polish Intel.	FSK-4 100/200	(AB)
F03i	6433	6-08	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	6-08	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	7-08	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	7-08	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	14-08	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)

F03i	6433	14-08	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	20-08	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	20-08	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	21-08	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	21-08	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB)
F03i	6433	27-08	1100	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	27-08	1105	Tue	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	28-08	1100	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03i	6433	28-08	1105	Wed	Polish Intel.	FSK-2 100Bd/800Hz	(AB/MPJ)
F03j	8803	1-08	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	1-08	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	1-08	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	1-08	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	2-08	0620	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	2-08	0625	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	2-08	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	2-08	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	5-08	0620	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	5-08	0625	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	5-08	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	5-08	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	6-08	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	6-08	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	6-08	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	6-08	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	6-08	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	6-08	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	7-08	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	7-08	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	7-08	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	7-08	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	8-08	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	8-08	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	8-08	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	8-08	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	8-08	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	8-08	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	9-08	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	9-08	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)

F03j	13911	12-08	0620	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	12-08	0625	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	12-08	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	12-08	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	13-08	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	13-08	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	14-08	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	14-08	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	15-08	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	15-08	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	15-08	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	15-08	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	15-08	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	15-08	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	16-08	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	16-08	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	19-08	0620	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	19-08	0625	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	20-08	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	20-08	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	20-08	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	20-08	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	20-08	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	20-08	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	21-08	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	21-08	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	21-08	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	21-08	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	22-08	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	22-08	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	22-08	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	22-08	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	22-08	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	22-08	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	23-08	0620	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	23-08	0625	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	23-08	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	23-08	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	26-08	0620	Mon	Polish Intel.	FSK-4 100/400	(AB)

F03j	13911	26-08	0625	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	26-08	1030	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	26-08	1035	Mon	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	27-08	0615	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	27-08	0620	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	27-08	0835	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	27-08	0840	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	27-08	0945	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	27-08	0950	Tue	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	28-08	0915	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	28-08	0920	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	28-08	1030	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8423	28-08	1035	Wed	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	29-08	0615	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	8803	29-08	0620	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	29-08	0835	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	12385	29-08	0840	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	29-08	0915	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	6304	29-08	0920	Thu	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	30-08	0620	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	13911	30-08	0625	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	30-08	0945	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03j	11450	30-08	0950	Fri	Polish Intel.	FSK-4 100/400	(AB)
F03k	8545	1-08	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	1-08	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	5-08	1100	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB/MPJ)
F03k	8545	5-08	1105	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB/MPJ)
F03k	8545	8-08	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	8-08	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	12-08	1100	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	8545	12-08	1105	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	8545	19-08	1100	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(MPJ)
F03k	8545	19-08	1105	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(MPJ)

F03k	8545	22-08	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	22-08	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB)
F03k	8545	26-08	1100	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	8545	26-08	1105	Mon	Polish Intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	8545	29-08	1100	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB/MPJ)
F03k	8545	29-08	1105	Thu	Polish intel.	FSK-2 400/800 ACF 896	(AB/MPJ)
F06	16346	1-08	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-CHN)
F06	14847	1-08	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-CHN)
F06	12223	1-08	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 36921 27042 03029 and 11166 40122 53781 27043 02409	FSK 200/1000	(AB-CHN)
F06	11484	1-08	0800	Thu	Russian diplo/intel. 11166 70048 36987 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9328	1-08	0810	Thu	Russian diplo/intel. 11166 70048 36987 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7813	1-08	0820	Thu	Russian diplo/intel. 11166 70048 36987 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14978	1-08	1330	Thu	Russian diplo/intel. 11166 80214 49875 01015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	1-08	1340	Thu	Russian diplo/intel. 11166 80214 49875 01015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	1-08	1350	Thu	Russian diplo/intel. 11166 80214 49875 01015 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17428	4-08	1530	Sun	Russian diplo/intel. 11166 10053 14279 04066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15786	4-08	1540	Sun	Russian diplo/intel. 11166 10053 14279 04066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12228	4-08	1550	Sun	Russian diplo/intel. 11166 10053 14279 04066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17532	6-08	1650	Tue	Russian diplo/intel. 11166 10053 13579 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	15613	6-08	1700	Tue	Russian diplo/intel. 11166 10053 13579 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	12215	6-08	1710	Tue	Russian diplo/intel. 11166 10053 13579 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	7-08	0600	Wed	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	14847	7-08	0610	Wed	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	12223	7-08	0620	Wed	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	16346	8-08	0600	Thu	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	14847	8-08	0610	Thu	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	12223	8-08	0620	Thu	Russian diplo/intel. Header: 11166 40122 68591 03044 03779	FSK 200/1000	(AB-CHN)
F06	11484	8-08	0750	Thu	Russian diplo/intel. Test: 21683539705420886726956421683539700000	FSK 200/1000	(AB)
F06	11484	8-08	0800	Thu	Russian diplo/intel. 11166 70048 17935 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9328	8-08	0810	Thu	Russian diplo/intel. 11166 70048 17935 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7813	8-08	0820	Thu	Russian diplo/intel. 11166 70048 17935 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14978	8-08	1330	Thu	Russian diplo/intel. 11166 80214 79123 08045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12216	8-08	1340	Thu	Russian diplo/intel. 11166 80214 79123 08045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	8-08	1350	Thu	Russian diplo/intel. 11166 80214 79123 08045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	6957	9-08	1600	Fri	Russian diplo/intel. Header: 11100 00000 59632 09023 02529	FSK 200/1000	(AB)
F06	17503	10-08	2100	Sat	Russian diplo/intel. 11166 40133 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	15763	10-08	2110	Sat	Russian diplo/intel. 11166 40133 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13926	10-08	2120	Sat	Russian diplo/intel. 11166 40133 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	17428	11-08	1530	Sun	Russian diplo/intel. 11166 10053 78963 11001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	15786	11-08	1540	Sun	Russian diplo/intel. 11166 10053 78963 11001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	12228	11-08	1550	Sun	Russian diplo/intel. 11166 10053 78963 11001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	10268	13-08	0030	Tue	Russian diplo/intel. 11166 60070 14279 13075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	13-08	0040	Tue	Russian diplo/intel. 11166 60070 14279 13075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	13-08	0050	Tue	Russian diplo/intel. 11166 60070 14279 13075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16275	13-08	1400	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	14923	13-08	1410	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	12156	13-08	1420	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	16275	13-08	1500	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	14923	13-08	1510	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	12156	13-08	1520	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 00030 84310 12001 02379	FSK 200/1000	(Danix)
F06	13569	13-08	1520	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 90017 12587 12006 00589	FSK 200/1000	(Danix)
F06	11154	13-08	1530	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 90017 12587 12006 00589	FSK 200/1000	(Danix)
F06	9218	13-08	1540	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 90017 12587 12006 00589	FSK 200/1000	(Danix)
F06	13974	13-08	1600	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 40034 17935 12005 02379	FSK 200/1000	(Danix)
F06	12059	13-08	1610	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 40034 17935 12005 02379	FSK 200/1000	(Danix)
F06	10165	13-08	1620	Tue	Russian diplo/intel via Orenburg txm site. Header: 11166 40034 17935 12005 02379	FSK 200/1000	(Danix)
F06	17534	13-08	1650	Tue	Russian diplo/intel. 11166 10053 36987 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15613	13-08	1700	Tue	Russian diplo/intel. 11166 10053 36987 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12215	13-08	1710	Tue	Russian diplo/intel. 11166 10053 36987 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	14-08	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)
F06	14847	14-08	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)
F06	12223	14-08	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)
F06	16046	14-08	0800	Wed	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	14354	14-08	0810	Wed	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	12228	14-08	0820	Wed	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	17434	14-08	0915	Wed	Russian diplo/intel. 11166 10031 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14369	14-08	0925	Wed	Russian diplo/intel. 11166 10031 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11163	14-08	0935	Wed	Russian diplo/intel. 11166 10031 13579 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16346	15-08	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)

F06	14847	15-08	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)
F06	12223	15-08	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 58741 10045 03339 and 11166 40122 37458 10046 02529	FSK 200/1000	(AB-RUS)
F06	11484	15-08	0800	Thu	Russian diplo/intel. 11166 70048 78451 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16046	15-08	0800	Thu	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	9328	15-08	0810	Thu	Russian diplo/intel. 11166 70048 78451 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14354	15-08	0810	Thu	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	7813	15-08	0820	Thu	Russian diplo/intel. 11166 70048 78451 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12228	15-08	0820	Thu	Russian diplo/intel. Header: 11166 00052 74963 14042 02619	FSK 200/1000	(AB)
F06	14978	15-08	1330	Thu	Russian diplo/intel. 11166 80214 49875 15037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	15-08	1340	Thu	Russian diplo/intel. 11166 80214 49875 15037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	15-08	1350	Thu	Russian diplo/intel. 11166 80214 49875 15037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17428	18-08	1530	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	15786	18-08	1540	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	12228	18-08	1550	Sun	Russian diplo/intel. 11166 10053 13579 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10268	20-08	0030	Tue	Russian diplo/intel. 11166 60070 36987 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	20-08	0040	Tue	Russian diplo/intel. 11166 60070 36987 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6934	20-08	0050	Tue	Russian diplo/intel. 11166 60070 36987 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17534	20-08	1650	Tue	Russian diplo/intel. 11166 10053 14279 20070 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	15613	20-08	1700	Tue	Russian diplo/intel. 11166 10053 14279 20070 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	12215	20-08	1710	Tue	Russian diplo/intel. 11166 10053 14279 20070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	21-08	0600	Wed	Russian diplo/intel. 11166 40122 15487 21069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14847	21-08	0610	Wed	Russian diplo/intel. 11166 40122 15487 21069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12223	21-08	0620	Wed	Russian diplo/intel. 11166 40122 15487 21069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11484	22-08	0800	Thu	Russian diplo/intel. 11166 70048 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9328	22-08	0810	Thu	Russian diplo/intel. 11166 70048 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7813	22-08	0820	Thu	Russian diplo/intel. 11166 70048 13579 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14978	22-08	1330	Thu	Russian diplo/intel. 11166 80214 49875 01122 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	22-08	1340	Thu	Russian diplo/intel. 11166 80214 49875 01122 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	22-08	1350	Thu	Russian diplo/intel. 11166 80214 49875 01122 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17503	24-08	2100	Sat	Russian diplo/intel. 11166 40133 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15763	24-08	2110	Sat	Russian diplo/intel. 11166 40133 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13926	24-08	2120	Sat	Russian diplo/intel. 11166 40133 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17428	25-08	1530	Sun	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15786	25-08	1540	Sun	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12228	25-08	1550	Sun	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10268	27-08	0030	Tue	Russian diplo/intel. 11166 60070 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8155	27-08	0040	Tue	Russian diplo/intel. 11166 60070 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	6934	27-08	0050	Tue	Russian diplo/intel. 11166 60070 13579 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17534	27-08	1650	Tue	Russian diplo/intel. 11166 10053 36987 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	15613	27-08	1700	Tue	Russian diplo/intel. 11166 10053 36987 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	12215	27-08	1710	Tue	Russian diplo/intel. 11166 10053 36987 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16346	28-08	0600	Wed	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-NZL)
F06	14847	28-08	0610	Wed	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-CHN)
F06	12223	28-08	0620	Wed	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-RUS)
F06	16046	28-08	0800	Wed	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	14354	28-08	0810	Wed	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	12228	28-08	0820	Wed	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	17434	28-08	0915	Wed	Russian diplo/intel. 11166 10031 14279 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14369	28-08	0925	Wed	Russian diplo/intel. 11166 10031 14279 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11163	28-08	0935	Wed	Russian diplo/intel. 11166 10031 14279 28026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16346	29-08	0600	Thu	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-NZL)
F06	14847	29-08	0610	Thu	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-CHN)
F06	12223	29-08	0620	Thu	Russian diplo/intel. Header: 11166 40122 79642 24047 03579	FSK 200/1000	(AB-RUS)
F06	11484	29-08	0800	Thu	Russian diplo/intel. 11166 70048 78963 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16046	29-08	0800	Thu	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	9328	29-08	0810	Thu	Russian diplo/intel. 11166 70048 78963 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14354	29-08	0810	Thu	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	7813	29-08	0820	Thu	Russian diplo/intel. 11166 70048 78963 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12228	29-08	0820	Thu	Russian diplo/intel. Header: 11166 00052 17935 28043 01519	FSK 200/1000	(AB)
F06	14978	29-08	1330	Thu	Russian diplo/intel. 11166 80214 25893 29029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12216	29-08	1340	Thu	Russian diplo/intel. 11166 80214 25893 29029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10164	29-08	1350	Thu	Russian diplo/intel. 11166 80214 25893 29029 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17503	31-08	2100	Sat	Russian diplo/intel. 11166 40133 36987 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15763	31-08	2110	Sat	Russian diplo/intel. 11166 40133 36987 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13926	31-08	2120	Sat	Russian diplo/intel. 11166 40133 36987 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
G06	7320	5-08	0800	Mon	329 329 329 00000. Windows shut down sound	USB	(AB)
G06	5344	5-08	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	7531	7-08	1200	Wed	145 145 145 00000	USB	(AB)
G06	6977	7-08	1300	Wed	145 145 145 00000. Off at 1301 UTC. Back at 1303 UTC. Windows shut down sound at 1310 UTC	USB	(AB)
G06	6887	8-08	1830	Thu	842 978 44 11532 37595 68553 ... 78203 80329 38780 978 44 00000 Windows shut down sound	USB	(AB)
G06	5936	9-08	1930	Fri	218 978 44 11532 37595 68553 ... 78203 80329 38780 978 44 00000. Windows shut down sound	USB	(AB)
G06	5344	12-08	1700	Mon	145 145 145 00000	USB	(MPJ)
G06	7531	14-08	1200	Wed	145 145 145 00000	USB	(MPJ)
G06	6981	14-08	1300	Wed	145 145 145 00000	USB	(AB/MPJ)
G06	5890	22-08	1259	Thu	329 329 329 00000 Windows shut down sound	USB	(AB-POL/MPJ)

G06	6887	22-08	1830	Thu	842 978 44 11532 37595 68553 ... 78203 80329 38780 978 44 00000 Windows shut down sound	USB	(AB/MPJ)
G06	5943	23-08	1930	Fri	218 978 48 90874 56432 12456 ... 56546 45442 45678 978 48 00000 Windows shut down sound	USB	(AB)
HM01	11435	1-08	1552	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	17480	1-08	2154	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	2-08	1603	Fri	Started already i.p. 71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	3-08	1600	Sat	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11635	3-08	1754	Sat	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	17480	3-08	2154	Sat	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	4-08	1559	Sun	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	5-08	1559	Mon	Started while already i.p. 71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11635	5-08	2054	Mon	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	10715	5-08	2154	Mon	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	6-08	1600	Tue	Started already i.p. 71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	16180	6-08	2054	Tue	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	17480	6-08	2154	Tue	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	7-08	1603	Wed	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	10715	7-08	2153	Wed	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	8-08	1554	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	9-08	1559	Fri	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	10-08	1600	Sat	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	11-08	1600	Sun	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	10715	11-08	2220	Sun	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(BW3)
HM01	11435	12-08	1559	Mon	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	13-08	1599	Tue	Started already i.p. 71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	14-08	1600	Wed	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11435	15-08	1558	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	16180	15-08	2100	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	17480	15-08	2200	Thu	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	16-08	1559	Fri	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RR2)
HM01	11635	16-08	2100	Fri	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	10715	16-08	2200	Fri	71875 36551 86325 55633 85266 35553 (repeating 31 July's groups)	AM/RDFT	(RL)
HM01	11435	17-08	1600	Sat	57531 34027 82834 27131 21821 51477	AM/RDFT	(RR2)
HM01	11435	18-08	1600	Sun	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	22-08	1600	Thu	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	23-08	1600	Fri	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	24-08	1600	Sat	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	25-08	1600	Sun	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11635	25-08	2100	Sun	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RL)
HM01	10715	25-08	2200	Sun	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RL)

HM01	11435	26-08	1600	Mon	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11635	26-08	2100	Mon	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RL)
HM01	11435	27-08	1630	Tue	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	28-08	1630	Wed	i.p. 57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	29-08	1600	Thu	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	16180	29-08	2100	Thu	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RL)
HM01	11530	30-08	1700	Thu	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
HM01	11435	31-08	1600	Sat	57531 34027 82834 27131 21821 51477 (repeating 17 August's groups)	AM/RDFT	(RR2)
M01	5280	1-08	1800	Thu	025 317 317 = 30 30 = = 85748 43477 81813 ... 58300 02118 34071 = = 317 317 = 30 30 000	CW	(AB/MPJ)
M01	4905	1-08	2000	Thu	025 179 179 = 30 30 = = 80996 (80906) 97754 07208 ... 96145 81664 03393 = = 179 179 = 30 30 000	CW	(AB)
M01	6435	3-08	1500	Sat	025 211 211 30 30 = = 17808 20242 79587 ... 36420 55675 50664 = = 211 211 30 30 000	CW	(AB)
M01	6780	4-08	0700	Sun	025 271 271 30 30 = = 65172 13817 09319 ... 68099 06673 06673 = = 271 271 3030 0 0 0	CW	(AB)
M01	5280	6-08	1800	Tue	025 456 456 30 30 = = 36808 50640 24909 ... 20998 41665 76756 = = 456 456 30 30 000	CW	(AB-RUS/MPJ)
M01	5280	8-08	1800	Thu	025 523 523 30 30 = = 33951 61027 69685 ... 88026 66163 faded to nil = = 523 523 30 30 000	CW	(AB)
M01	4905	8-08	2000	Thu	025 (off for 3 minutes) 511 511 30 30 19457 19518 60782 ... 35143 56013 56816 = = 511 511 30 30 000	CW	(AB)
M01	6435	10-08	1500	Sat	025 765 765 30 30 = = 98543 45242 88298 ... 99040 35320 93459 = = 765 765 30 30 000	CW	(AB-RUS/MPJ)
M01	6780	11-08	0659	Sun	025 895 30 = 78321 50640 à... 41665 64290 = 895 30 0 0 0	CW	(ES-HOL)
M01	5280	13-08	1800	Tue	025 084 084 = 30 30 = = 08974 88498 55893 ... 87459 83052 27151 = = 084 084 = 30 30 000	CW	(AB/MPJ)
M01	5280	15-08	1800	Thu	025 692 692 30 30 = = 36899 15428 78943 ... 53223 (53224) 32449 (33449) 54051 = = 693 693 (as sent) 30 30 0 0 0 0	CW	(MPJ)
M01	6435	17-08	1500	Sat	025 351 351 = 30 30 = = 46615 62582 19612 ... 06343 68099 52512 = = 351 351 = 30 30 000	CW	(AB/MPJ)
M01	6780	18-08	0700	Sun	VVV at 0654 UTC. 025 181 181 30 30 = = 71927 25851 42345 ... 66711 65640 69144 = = 181 181 30 30 000	CW	(AB/ES-HOL)
M01	5280	20-08	1800	Tue	025 602 602 30 30 = = 60563 09008 46773 ... 70177 87544 68564 = = 602 602 30 30 000	CW	(MPJ)
M01	4905	20-08	2000	Tue	025 900 900 30 30 = = 25729 14644 56374 ... 68459 62864 95128 = = 900 900 30 30 000 Errors	CW	(AB)
M01	5280	22-08	1800	Thu	025 839 839 30 30 = = = = 09515 21024 91033 ... 01604 06251 29760 = = = = 839 839 30 30 000	CW	(AB/MPJ)
M01	4905	22-08	2002	Thu	025 549 549 30 30 = = = = 79149 90534 17697 ... 55693 55207 83648 = = = = 549 549 30 30 000	CW	(AB)
M01	6435	24-08	1500	Sat	025 707 707 30 30 = = 31244 29268 57693 ... 66285 57086 97741 = = 7070 707 30 30 000 Small error at the end: 7070 vs 707	CW	(AB/MPJ)
M01	6780	25-08	0700	Sun	025 123 30 = 93965 74654 ... 89560 28298 = 123 30 000	CW	(ES-HOL)
M01	5280	27-08	1800	Tue	025 231 231 30 30 = = 16833 42722 09814 ... 64719 59597 35347 = = 231 231 30 30 000	CW	(AB/MPJ)
M01	4905	27-08	2000	Tue	025 904 904 30 30 = = 70859 90337 90119 ... 27184 21587 92024 = = 904 904 30 30 000 Errors. Group 10 was a 4-digit group.	CW	(AB)
M01	5280	29-08	1800	Thu	025 722 722 30 30 = = 28260 75568 19440 ... 30740 79656 85945 = = 722 722 30 30 000	CW	(AB)
M01	4905	29-08	2000	Thu	025 382 382 30 30 = = 82702 17924 57819 ... 08499 97052 20551 = = 382 382 30 30 000	CW	(AB)
M01	6435	31-08	1500	Sat	025 855 855 30 30 = = 90386 98851 96451 ... 92188 48151 17408 = = 855 855 30 (x1) 000	CW	(MPJ)
M01a	4489	20-08	0619	Tue	111 08788 333 111 08788 20410 75353 84882 65872 111 08788 111 52572 111 000	CW	(F5JBR)

M01a	5317	20-08	0830	Tue	i.p. 111 999 470 10 = 57093 24894 65231 49x56 40878 65413 218x7 40651 69540 31874 = 470 10 111 = 40651 111 000	CW	(ES-POL)
M01aá	10228	21-08	0547	Wed	712 721 712 10115 10115 10115 712 712 712 10217 10217 10217	CW	(F5JBR)
M01b	5095	1-08	1830	Thu	815 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5760 kHz	MCW	(AB/MPJ)
M01b	5760	1-08	1830	Thu	815 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5095 kHz	MCW	(AB/MPJ)
M01b	5065	1-08	1940	Thu	936 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5805 kHz	MCW	(AB)
M01b	5805	1-08	1940	Thu	936 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5065 kHz	MCW	(AB)
M01b	5075	2-08	1902	Fri	336 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	2-08	1902	Fri	336 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5075 kHz	MCW	(MPJ)
M01b	4895	2-08	2010	Fri	467 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5340 kHz	MCW	(AB)
M01b	5340	2-08	2010	Fri	467 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //4895 kHz	MCW	(AB)
M01b	5125	5-08	1808	Mon	364 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5735 kHz	MCW	(AB/MPJ)
M01b	5735	5-08	1808	Mon	364 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5125 kHz	MCW	(AB/MPJ)
M01b	5150	5-08	1915	Mon	858 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5475 kHz	MCW	(AB)
M01b	5475	5-08	1915	Mon	858 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5150 kHz	MCW	(AB)
M01b	5095	8-08	1830	Thu	815 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5760 kHz	MCW	(AB/MPJ)
M01b	5760	8-08	1830	Thu	815 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5095 kHz	MCW	(AB/MPJ)
M01b	5065	8-08	1940	Thu	936 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5805 kHz	MCW	(AB)
M01b	5805	8-08	1940	Thu	936 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 717 717 31 31 000 //5065 kHz	MCW	(AB)
M01b	5075	9-08	1902	Fri	336 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	9-08	1902	Fri	336 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5075 kHz	MCW	(AB/MPJ)
M01b	4895	9-08	2010	Fri	467 717 717 31 31 = = 85610 84072 83326 ... 87914 78448 07398 = = 317 317 31 31 000 //5340 kHz	MCW	(AB)

					kHz		
M01b	5340	9-08	2010	Fri	467 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //4895 kHz	MCW	(AB)
M01b	5125	12-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5735 kHz	MCW	(AB)
M01b	5735	12-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5125 kHz	MCW	(AB)
M01b	5150	12-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5475 kHz	MCW	(AB/MPJ)
M01b	5475	12-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5150 kHz	MCW	(AB/MPJ)
M01b	5095	15-08	1830	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5760 kHz	MCW	(AB/MPJ)
M01b	5760	15-08	1830	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5095 kHz	MCW	(AB/MPJ)
M01b	5065	15-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5805 kHz	MCW	(AB)
M01b	5805	15-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5065 kHz	MCW	(AB)
M01b	5075	16-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	16-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5075 kHz	MCW	(AB/MPJ)
M01b	4895	16-08	2010	Fri	467 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5340 kHz	MCW	(AB)
M01b	5340	16-08	2010	Fri	467 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //4895 kHz	MCW	(AB)
M01b	5125	19-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5735 kHz	MCW	(AB/MPJ)
M01b	5735	19-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5125 kHz	MCW	(AB/MPJ)
M01b	5150	19-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5475 kHz	MCW	(AB/MPJ)
M01b	5475	19-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5150 kHz	MCW	(AB/MPJ)
M01b	5095	22-08	1836	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5760 kHz. Late start	MCW	(AB/MPJ)
M01b	5760	22-08	1836	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5095 kHz. Late start	MCW	(AB/MPJ)
M01b	5065	22-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5805	MCW	(AB)

					kHz		
M01b	5805	22-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5065 kHz	MCW	(AB)
M01b	5075	23-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	23-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5075 kHz	MCW	(AB/MPJ)
M01b	5125	26-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5735 kHz	MCW	(AB/MPJ)
M01b	5735	26-08	1808	Mon	364 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5125 kHz	MCW	(AB/MPJ)
M01b	5150	26-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5475 kHz	MCW	(AB/MPJ)
M01b	5475	26-08	1915	Mon	858 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5150 kHz	MCW	(AB/MPJ)
M01b	5095	29-08	1836	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5760 kHz. Late start	MCW	(AB/MPJ)
M01b	5760	29-08	1836	Thu	815 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5095 kHz. Late start	MCW	(AB/MPJ)
M01b	5065	29-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5805 kHz	MCW	(AB)
M01b	5805	29-08	1940	Thu	936 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 717 717 31 31 000 //5065 kHz	MCW	(AB)
M01b	5075	30-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5465 kHz	MCW	(AB/MPJ)
M01b	5465	30-08	1901	Fri	336 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5075 kHz	MCW	(AB/MPJ)
M01b	4895	30-08	2010	Fri	467 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //5340 kHz	MCW	(AB)
M01b	5340	30-08	2010	Fri	467 717 717 31 31 == 85610 84072 83326 ... 87914 78448 07398 == 317 317 31 31 000 //4895 kHz	MCW	(AB)
M12	11148	1-08	0700	Thu	161 1 ...	CW	(HFD)
M12	10648	1-08	0720	Thu	161 1 ...	CW	(HFD)
M12	9148	1-08	0740	Thu	161 1 ...	CW	(HFD)
M12	12162	1-08	1700	Thu	546 546 546 1 7406 107 7406 107 26422 00184 68408 ... 13994 31393 13454 000 000	CW	(AB/MPJ/HFD)
M12	11566	1-08	1720	Thu	546 546 546 1 7406 107 7406 107 26422 00184 68408 ... 13994 31393 13454 000 000	CW	(AB/MPJ/HFD)
M12	10711	1-08	1740	Thu	546 546 546 1 7406 107 7406 107 26422 00184 68408 ... 13994 31393 13454 000 000	CW	(AB/MPJ/HFD)
M12	12162	1-08	1800	Thu	546 546 546 1 3672 106 3672 106 20315 98086 48061 ... 19281 30954 46473 000 000	CW	(AB/MPJ/HFD)
M12	11566	1-08	1820	Thu	546 546 546 1 3672 106 3672 106 20315 98086 48061 ... 19281 30954 46473 000 000	CW	(AB/MPJ/HFD)

M12	10711	1-08	1840	Thu	546 546 546 1 3672 106 3672 106 20315 98086 48061 ... 19281 30954 46473 000 000	CW	(AB/MPJ)
M12	14377	1-08	2000	Thu	317 317 317 1 7296 109 7296 109 97261 52930 27155 ... 93906 53881 46847 000 000	CW	(AB)
M12	13461	1-08	2020	Thu	317 317 317 1 7296 109 7296 109 97261 52930 27155 ... 93906 53881 46847 000 000	CW	(AB)
M12	12114	1-08	2040	Thu	317 317 317 1 7296 109 7296 109 97261 52930 27155 ... 93906 53881 46847 000 000	CW	(AB)
M12	12214	1-08	2110	Thu	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB)
M12	11014	1-08	2130	Thu	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB/RL)
M12	8136	1-08	2150	Thu	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB/RL)
M12	12178	2-08	1210	Fri	155 155 155 000	CW	(HFD)
M12	11578	2-08	1230	Fri	155 155 155 000	CW	(HFD)
M12	16148	2-08	1950	Fri	174 174 174 000	CW	(RL)
M12	14748	2-08	2010	Fri	174 174 174 000	CW	(RL)
M12	10314	2-08	2100	Fri	310 310 310 000	CW	(HFD)
M12	9114	2-08	2120	Fri	310 310 310 000	CW	(HFD)
M12	8047	3-08	2000	Sat	463 463 463 1 3472 91 3472 91 75586 95174 93636 ... 96901 06454 41929 000 000	CW	(AB/HFD)
M12	6802	3-08	2020	Sat	463 463 463 1 3472 91 3472 91 75586 95174 93636 ... 96901 06454 41929 000 000	CW	(AB/HFD)
M12	5788	3-08	2040	Sat	463 463 463 1 3472 91 3472 91 75586 95174 93636 ... 96901 06454 41929 000 000	CW	(AB/HFD)
M12	10314	3-08	2100	Sat	310 310 310 000	CW	(AB/RL)
M12	9114	3-08	2120	Sat	310 310 310 000	CW	(AB/RL)
M12	9052	3-08	2210	Sat	992 992 992 000	CW	(RL)/HFD
M12	8052	3-08	2230	Sat	992 992 992 000	CW	(RL)/HFD
M12	15983	5-08	1400	Mon	963 963 963 000	CW	(AB/MPJ)
M12	14683	5-08	1420	Mon	963 963 963 000	CW	(AB/MPJ)
M12	11435	5-08	1710	Mon	938 938 938 1 2497 109 2497 109 52285 97997 75267 ... 84651 35059 47463 000 000	CW	(AB/MPJ)
M12	10598	5-08	1730	Mon	938 938 938 1 2497 109 2497 109 52285 97997 75267 ... 84651 35059 47463 000 000	CW	(AB/MPJ)
M12	9327	5-08	1750	Mon	938 938 938 1 2497 109 2497 109 52285 97997 75267 ... 84651 35059 47463 000 000	CW	(AB/MPJ)
M12	8047	5-08	1800	Mon	463 463 463 1 7905 97 7905 97 56184 28115 30683 ... 72807 22611 84983 000 000	CW	(AB/MPJ)
M12	6802	5-08	1820	Mon	463 463 463 1 7905 97 7905 97 56184 28115 30683 ... 72807 22611 84983 000 000	CW	(AB/MPJ)
M12	5788	5-08	1840	Mon	463 463 463 1 7905 97 7905 97 56184 28115 30683 ... 72807 22611 84983 000 000	CW	(AB/MPJ)
M12	12214	5-08	2110	Mon	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB/RL)
M12	11014	5-08	2130	Mon	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB/RL)
M12	9914	5-08	2150	Mon	209 209 209 1 613 73 613 73 86467 04302 69331 ... 39835 88671 99683 000 000	CW	(AB/RL)
M12	9317	6-08	0530	Tue	135 135 135 1 8419 105 8419 105 65603 26341 48813 ... 48922 72098 45479 000 000	CW	(AB/ES-HOL/HFD)
M12	10484	6-08	0550	Tue	135 135 135 1 8419 105 8419 105 65603 26341 48813 ... 48922 72098 45479 000 000	CW	(AB/HFD)
M12	11552	6-08	0610	Tue	135 135 135 1 8419 105 8419 105 65603 26341 48813 ... 48922 72098 45479 000 000	CW	(AB/HFD)
M12	11148	6-08	0700	Tue	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	10648	6-08	0720	Tue	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	9148	6-08	0740	Tue	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	11435	6-08	1800	Tue	938 938 938 1 9053 106 9053 106 76863 31695 15513 ... 18784 08427 70496 000 000	CW	(AB/MPJ/HFD)
M12	10598	6-08	1820	Tue	938 938 938 1 9053 106 9053 106 76863 31695 15513 ... 18784 08427 70496 000 000	CW	(AB/MPJ/HFD)

M12	9327	6-08	1840	Tue	938 938 938 1 9053 106 9053 106 76863 31695 15513 ... 18784 08427 70496 000 000	CW	(AB/MPJ/HFD)
M12	12178	7-08	1210	Wed	155 155 155 000	CW	(AB)
M12	11578	7-08	1230	Wed	155 155 155 000	CW	(AB)
M12	15983	7-08	1400	Wed	963 963 963 000	CW	(AB/MPJ/HFD)
M12	14683	7-08	1420	Wed	963 963 963 000	CW	(AB/MPJ/HFD)
M12	12162	7-08	1700	Wed	546 546 546 1 6354 108 6354 108 86825 33185 76792 ... 98651 20105 92677 000 000	CW	(AB/MPJ)
M12	11566	7-08	1720	Wed	546 546 546 1 6354 108 6354 108 86825 33185 76792 ... 98651 20105 92677 000 000	CW	(AB/MPJ)
M12	10711	7-08	1740	Wed	546 546 546 1 6354 108 6354 108 86825 33185 76792 ... 98651 20105 92677 000 000	CW	(AB/MPJ)
M12	16148	7-08	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	7-08	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	9052	7-08	2210	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	8052	7-08	2230	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	6952	7-08	2250	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	11148	8-08	0700	Thu	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	10648	8-08	0720	Thu	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	9148	8-08	0740	Thu	161 161 161 1 6291 92 6291 92 26206 09078 65317 ... 16843 78557 34587 000 000	CW	(AB-RUS)
M12	12162	8-08	1700	Thu	546 546 546 1 5709 107 5709 107 75844 80986 06936 ... 24057 33233 31336 000 000	CW	(AB/MPJ)
M12	11566	8-08	1720	Thu	546 546 546 1 5709 107 5709 107 75844 80986 06936 ... 24057 33233 31336 000 000	CW	(AB/MPJ)
M12	10711	8-08	1740	Thu	546 546 546 1 5709 107 5709 107 75844 80986 06936 ... 24057 33233 31336 000 000	CW	(AB/MPJ)
M12	12162	8-08	1800	Thu	546 546 546 1 558 43 558 43 94626 97636 04190 ... 50776 12866 37108 000 000	CW	(AB/MPJ)
M12	11566	8-08	1820	Thu	546 546 546 1 558 43 558 43 94626 97636 04190 ... 50776 12866 37108 000 000	CW	(AB/MPJ)
M12	10711	8-08	1840	Thu	546 546 546 1 558 43 558 43 94626 97636 04190 ... 50776 12866 37108 000 000	CW	(AB/MPJ)
M12	14377	8-08	2000	Thu	317 317 317 1 6514 107 6514 107 80174 91989 53569 ... 88552 28797 03221 000 000	CW	(AB/RL)
M12	13461	8-08	2020	Thu	317 317 317 1 6514 107 6514 107 80174 91989 53569 ... 88552 28797 03221 000 000	CW	(AB/RL)
M12	12114	8-08	2040	Thu	317 317 317 1 6514 107 6514 107 80174 91989 53569 ... 88552 28797 03221 000 000	CW	(AB/RL)
M12	12214	8-08	2110	Thu	209 209 209 000	CW	(AB/HFD)
M12	11014	8-08	2130	Thu	209 209 209 000	CW	(AB/RL/HFD)
M12	12178	9-08	1210	Fri	155 155 155 000	CW	(AB/MPJ)
M12	11578	9-08	1230	Fri	155 155 155 000	CW	(AB/MPJ)
M12	16148	9-08	1950	Fri	174 174 174 000	CW	(AB/RL)
M12	14748	9-08	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	10314	9-08	2100	Fri	310 310 310 000	CW	(AB/RL)
M12	9114	9-08	2120	Fri	310 310 310 000	CW	(AB/RL)
M12	8047	10-08	2000	Sat	463 463 463 1 9344 100 9344 100 40708 40478 95456 ... 37184 64892 89650 000 000	CW	(AB)
M12	6802	10-08	2020	Sat	463 463 463 1 9344 100 9344 100 40708 40478 95456 ... 37184 64892 89650 000 000	CW	(AB)
M12	5788	10-08	2040	Sat	463 463 463 1 9344 100 9344 100 40708 40478 95456 ... 37184 64892 89650 000 000	CW	(AB)
M12	10314	10-08	2100	Sat	310 310 310 000	CW	(AB/RL)
M12	9114	10-08	2120	Sat	310 310 310 000	CW	(AB/RL)
M12	9052	11-08	2210	Sun	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)

M12	8052	11-08	2230	Sun	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	6952	11-08	2250	Sun	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	15983	12-08	1400	Mon	963 1 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(MPJ/ES-HOL)
M12	14683	12-08	1420	Mon	963 1 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(MPJ/ES-HOL)
M12	13383	12-08	1440	Mon	963 1 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(MPJ/ES-HOL)
M12	11435	12-08	1710	Mon	938 938 938 1 5382 106 5382 106 72638 21533 57980 ... 55620 55315 63266 000 000	CW	(AB/MPJ/HFD)
M12	10598	12-08	1730	Mon	938 938 938 1 5382 106 5382 106 72638 21533 57980 ... 55620 55315 63266 000 000	CW	(AB/MPJ/HFD)
M12	9327	12-08	1750	Mon	938 938 938 1 5382 106 5382 106 72638 21533 57980 ... 55620 55315 63266 000 000	CW	(AB/MPJ/HFD)
M12	8047	12-08	1800	Mon	463 463 463 1 4396 96 4396 96 54737 92681 54266 ... 33884 24354 63032 000 000	CW	(AB/MPJ)
M12	6802	12-08	1820	Mon	463 463 463 1 4396 96 4396 96 54737 92681 54266 ... 33884 24354 63032 000 000	CW	(AB/MPJ)
M12	5788	12-08	1840	Mon	463 463 463 1 4396 96 4396 96 54737 92681 54266 ... 33884 24354 63032 000 000	CW	(AB/MPJ)
M12	12214	12-08	2110	Mon	209 209 209 000	CW	(AB/RL)
M12	11014	12-08	2130	Mon	209 209 209 000	CW	(AB)
M12	9317	13-08	0530	Tue	135 135 135 1 3087 112 3087 112 79969 45551 46770 ... 82124 89879 59284 000 000	CW	(AB)
M12	10484	13-08	0550	Tue	135 135 135 1 3087 112 3087 112 79969 45551 46770 ... 82124 89879 59284 000 000	CW	(AB)
M12	11552	13-08	0610	Tue	135 135 135 1 3087 112 3087 112 79969 45551 46770 ... 82124 89879 59284 000 000	CW	(AB)
M12	11435	13-08	1800	Tue	938 938 938 1 1967 106 1967 106 27830 80200 74768 ... 94354 20006 53023 000 000	CW	(AB/MPJ)
M12	10598	13-08	1820	Tue	938 938 938 1 1967 106 1967 106 27830 80200 74768 ... 94354 20006 53023 000 000	CW	(AB/MPJ)
M12	9327	13-08	1840	Tue	938 938 938 1 1967 106 1967 106 27830 80200 74768 ... 94354 20006 53023 000 000	CW	(AB/MPJ)
M12	12178	14-08	1210	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	11578	14-08	1230	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	10578	14-08	1250	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	15983	14-08	1400	Wed	963 963 963 1 9789 66 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(AB/MPJ)
M12	14683	14-08	1420	Wed	963 963 963 1 9789 66 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(AB/MPJ)
M12	13383	14-08	1440	Wed	963 963 963 1 9789 66 9789 66 64946 98197 90439 ... 54182 99027 16090 000 000	CW	(AB/MPJ)
M12	12162	14-08	1710	Wed	546 546 546 1 2864 106 2864 106 77372 55206 03425 ... 46881 21700 75965 000 000	CW	(AB/MPJ/HFD)
M12	11566	14-08	1730	Wed	546 546 546 1 2864 106 2864 106 77372 55206 03425 ... 46881 21700 75965 000 000	CW	(AB/MPJ/HFD)
M12	10711	14-08	1750	Wed	546 546 546 1 2864 106 2864 106 77372 55206 03425 ... 46881 21700 75965 000 000	CW	(AB/MPJ/HFD)
M12	16148	14-08	1950	Wed	174 174 174 000	CW	(AB/RL/HDS)
M12	14748	14-08	2010	Wed	174 174 174 000	CW	(AB/RL/HFD)
M12	9052	14-08	2210	Wed	992 992 992 000	CW	(AB/RL)
M12	8052	14-08	2230	Wed	992 992 992 000	CW	(AB/RL)
M12	11148	15-08	0700	Thu	161 161 161 1 348 100 348 100 02112 90307 85177 ... 92312 35219 75725 000 000	CW	(AB-RUS)
M12	10648	15-08	0720	Thu	161 161 161 1 348 100 348 100 02112 90307 85177 ... 92312 35219 75725 000 000	CW	(AB-RUS)
M12	9148	15-08	0740	Thu	161 161 161 1 348 100 348 100 02112 90307 85177 ... 92312 35219 75725 000 000	CW	(AB-RUS)
M12	12162	15-08	1700	Thu	546 1 2452 112 78039 45227 09346 ... 02561 05443 57809 000 000	CW	(MPJ)
M12	11566	15-08	1720	Thu	546 1 2452 112 78039 45227 09346 ... 02561 05443 57809 000 000	CW	(MPJ)
M12	10711	15-08	1740	Thu	546 1 2452 112 78039 45227 09346 ... 02561 05443 57809 000 000	CW	(MPJ)
M12	12162	15-08	1800	Thu	546 546 546 1 7136 108 7136 108 81644 64804 37820 ... 29650 28159 17450 000 000	CW	(AB/MPJ)

M12	11566	15-08	1820	Thu	546 546 546 1 7136 108 7136 108 81644 64804 37820 ... 29650 28159 17450 000 000	CW	(AB/MPJ)
M12	10711	15-08	1840	Thu	546 546 546 1 7136 108 7136 108 81644 64804 37820 ... 29650 28159 17450 000 000	CW	(AB/MPJ)
M12	14377	15-08	2000	Thu	317 317 317 1 5857 102 5857 102 22404 97359 76144 ... 18106 19360 10218 000 000	CW	(AB/RL)
M12	13461	15-08	2020	Thu	317 317 317 1 5857 102 5857 102 22404 97359 76144 ... 18106 19360 10218 000 000	CW	(AB/RL)
M12	12114	15-08	2040	Thu	317 317 317 1 5857 102 5857 102 22404 97359 76144 ... 18106 19360 10218 000 000	CW	(AB/RL)
M12	12214	15-08	2110	Thu	209 209 209 000	CW	(AB/RL)
M12	11014	15-08	2130	Thu	209 209 209 000	CW	(AB/RL)
M12	12178	16-08	1210	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	11578	16-08	1230	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	10578	16-08	1250	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	16148	16-08	1950	Fri	174 174 174 000	CW	(AB)
M12	14748	16-08	2010	Fri	174 174 174 000	CW	(AB/RL)
M12	10314	16-08	2100	Fri	310 310 310 000	CW	(AB/RL)
M12	9114	16-08	2120	Fri	310 310 310 000	CW	(AB/RL)
M12	10314	17-08	2100	Sat	310 310 310 000	CW	(AB/RL)
M12	9114	17-08	2120	Sat	310 310 310 000	CW	(AB/RL)
M12	9052	17-08	2210	Sat	992 992 992 000	CW	(AB/RL)
M12	8052	17-08	2230	Sat	992 992 992 000	CW	(AB/RL)
M12	15983	19-08	1400	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ/ES-HOL)
M12	14683	19-08	1420	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ/ES-HOL)
M12	13383	19-08	1440	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ/ES-HOL)
M12	11435	19-08	1710	Mon	938 938 938 1 7248 107 7248 107 80537 23361 42003 ... 82219 92234 82913 000 000	CW	(AB/MPJ)
M12	10598	19-08	1730	Mon	938 938 938 1 7248 107 7248 107 80537 23361 42003 ... 82219 92234 82913 000 000	CW	(AB/MPJ)
M12	9327	19-08	1750	Mon	938 938 938 1 7248 107 7248 107 80537 23361 42003 ... 82219 92234 82913 000 000	CW	(AB/MPJ)
M12	8047	19-08	1800	Mon	463 463 463 1 3840 100 3840 100 25028 18679 28300 ... 27960 99150 88307 000 000	CW	(AB/MPJ)
M12	6802	19-08	1820	Mon	463 463 463 1 3840 100 3840 100 25028 18679 28300 ... 27960 99150 88307 000 000	CW	(AB/MPJ)
M12	5788	19-08	1840	Mon	463 463 463 1 3840 100 3840 100 25028 18679 28300 ... 27960 99150 88307 000 000	CW	(AB/MPJ)
M12	12214	19-08	2110	Mon	209 209 209 000	CW	(AB)
M12	11014	19-08	2130	Mon	209 209 209 000	CW	(AB)
M12	9317	20-08	0530	Tue	135 135 135 1 6501 106 6501 106 74749 73104 27576 ... 49306 82288 35623 000 000	CW	(AB/ES-HOL)
M12	10484	20-08	0550	Tue	135 135 135 1 6501 106 6501 106 74749 73104 27576 ... 49306 82288 35623 000 000	CW	(AB/ES-HOL)
M12	11552	20-08	0610	Tue	135 135 135 1 6501 106 6501 106 74749 73104 27576 ... 49306 82288 35623 000 000	CW	(AB/ES-HOL)
M12	11148	20-08	0700	Tue	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-J)
M12	10648	20-08	0720	Tue	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-J)
M12	9148	20-08	0740	Tue	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-J)
M12	11435	20-08	1800	Tue	938 938 938 1 4373 109 4370 109 00285 36400 13109 ... 47049 49075 52637 000 000	CW	(AB/MPJ)
M12	10598	20-08	1820	Tue	938 938 938 1 4373 109 4370 109 00285 36400 13109 ... 47049 49075 52637 000 000	CW	(AB/MPJ)
M12	9327	20-08	1840	Tue	938 938 938 1 4373 109 4370 109 00285 36400 13109 ... 47049 49075 52637 000 000	CW	(AB/MPJ)
M12	12178	21-08	1210	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)

M12	11578	21-08	1230	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	10578	21-08	1250	Wed	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	15983	21-08	1400	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	14683	21-08	1420	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	13383	21-08	1440	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	12162	21-08	1710	Wed	546 546 546 1 3306 112 3306 112 57597 02678 06148 ... 99969 49192 25147 000 000	CW	(AB/MPJ)
M12	11566	21-08	1730	Wed	546 546 546 1 3306 112 3306 112 57597 02678 06148 ... 99969 49192 25147 000 000	CW	(AB/MPJ)
M12	10711	21-08	1750	Wed	546 546 546 1 3306 112 3306 112 57597 02678 06148 ... 99969 49192 25147 000 000	CW	(AB/MPJ)
M12	16148	21-08	1950	Wed	174 174 174 000	CW	(AB)
M12	14748	21-08	2010	Wed	174 174 174 000	CW	(AB)
M12	9052	21-08	2210	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB)
M12	8052	21-08	2230	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB)
M12	6952	21-08	2250	Wed	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB)
M12	11148	22-08	0700	Thu	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-RUS)
M12	10648	22-08	0720	Thu	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-RUS)
M12	9148	22-08	0740	Thu	161 161 161 1 8709 96 8709 96 10590 82746 68172 ... 93067 75096 56175 000 000	CW	(AB-RUS)
M12	12162	22-08	1700	Thu	546 546 546 1 2291 107 2291 107 50698 42458 95361 ... 81140 95551 57063 000 000	CW	(AB/MPJ)
M12	11566	22-08	1720	Thu	546 546 546 1 2291 107 2291 107 50698 42458 95361 ... 81140 95551 57063 000 000	CW	(AB/MPJ)
M12	10711	22-08	1740	Thu	546 546 546 1 2291 107 2291 107 50698 42458 95361 ... 81140 95551 57063 000 000	CW	(AB/MPJ)
M12	12162	22-08	1800	Thu	546 546 546 1 3493 113 3493 113 00957 71280 80607 ... 32610 05369 38037 000 000	CW	(AB/MPJ)
M12	11566	22-08	1820	Thu	546 546 546 1 3493 113 3493 113 00957 71280 80607 ... 32610 05369 38037 000 000	CW	(AB/MPJ)
M12	10711	22-08	1840	Thu	546 546 546 1 3493 113 3493 113 00957 71280 80607 ... 32610 05369 38037 000 000	CW	(AB/MPJ)
M12	14377	22-08	2000	Thu	317 317 317 11962 103 1962 103 10365 98565 86171 ... 16039 58438 91782 000 000	CW	(AB)
M12	13461	22-08	2020	Thu	317 317 317 11962 103 1962 103 10365 98565 86171 ... 16039 58438 91782 000 000	CW	(AB)
M12	12114	22-08	2040	Thu	317 317 317 11962 103 1962 103 10365 98565 86171 ... 16039 58438 91782 000 000	CW	(AB)
M12	12214	22-08	2110	Thu	209 209 209 000	CW	(AB)
M12	11014	22-08	2130	Thu	209 209 209 000	CW	(AB)
M12	12178	23-08	1210	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	11578	23-08	1230	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	10578	23-08	1250	Fri	155 155 155 1 309 100 309 100 08607 57288 92109 ... 46484 72771 22248 000 000	CW	(AB/MPJ)
M12	16148	23-08	1950	Fri	174 174 174 000	CW	(AB)
M12	14748	23-08	2010	Fri	174 174 174 000	CW	(AB)
M12	10314	23-08	2100	Fri	310 310 310 000	CW	(AB)
M12	9114	23-08	2120	Fri	310 310 310 000	CW	(AB)
M12	8047	24-08	2000	Sat	463 463 463 1 1055 91 1055 91 62840 72061 08795 ... 76484 87816 50703 000 000	CW	(AB)
M12	6802	24-08	2020	Sat	463 463 463 1 1055 91 1055 91 62840 72061 08795 ... 76484 87816 50703 000 000	CW	(AB)
M12	5788	24-08	2040	Sat	463 463 463 1 1055 91 1055 91 62840 72061 08795 ... 76484 87816 50703 000 000	CW	(AB)
M12	10314	24-08	2100	Sat	310 310 310 000	CW	(AB/RL)
M12	9114	24-08	2120	Sat	310 310 310 000	CW	(AB/RL)

M12	9052	24-08	2210	Sat	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	8052	24-08	2230	Sat	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	6952	24-08	2250	Sat	992 992 992 1 453 84 453 84 30608 54286 70009 ... 00148 46823 51158 000 000	CW	(AB/RL)
M12	15983	26-08	1400	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	14683	26-08	1420	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	13383	26-08	1440	Mon	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/MPJ)
M12	11435	26-08	1710	Mon	938 938 938 1 8325 108 8325 108 57462 02120 77585 ... 12983 61156 03362 000 000	CW	(AB/MPJ)
M12	10598	26-08	1730	Mon	938 938 938 1 8325 108 8325 108 57462 02120 77585 ... 12983 61156 03362 000 000	CW	(AB/MPJ)
M12	9327	26-08	1750	Mon	938 938 938 1 8325 108 8325 108 57462 02120 77585 ... 12983 61156 03362 000 000	CW	(AB/MPJ)
M12	8047	26-08	1800	Mon	463 463 463 1 3981 95 3981 95 15329 18858 28223 ... 60334 34539 68529 000 000	CW	(AB/MPJ)
M12	6802	26-08	1820	Mon	463 463 463 1 3981 95 3981 95 15329 18858 28223 ... 60334 34539 68529 000 000	CW	(AB/MPJ)
M12	5788	26-08	1840	Mon	463 463 463 1 3981 95 3981 95 15329 18858 28223 ... 60334 34539 68529 000 000	CW	(AB/MPJ)
M12	12214	26-08	2110	Mon	209 209 209 000	CW	(AB)
M12	11014	26-08	2130	Mon	209 209 209 000	CW	(AB)
M12	9317	27-08	0530	Tue	135 135 135 1 6763 106 6763 106 53408 78246 79056 ... 46860 00538 75704 000 000	CW	(AB/ES-HOL)
M12	10484	27-08	0550	Tue	135 135 135 1 6763 106 6763 106 53408 78246 79056 ... 46860 00538 75704 000 000	CW	(AB/ES-HOL)
M12	11552	27-08	0610	Tue	135 135 135 1 6763 106 6763 106 53408 78246 79056 ... 46860 00538 75704 000 000	CW	(AB/ES-HOL)
M12	11148	27-08	0700	Tue	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-RUS)
M12	10648	27-08	0720	Tue	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-RUS)
M12	9148	27-08	0740	Tue	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-RUS)
M12	11435	27-08	1800	Tue	938 938 938 1 5904 109 5904 109 65950 15611 71675 ... 12163 33189 29348 000 000	CW	(AB/MPJ)
M12	10598	27-08	1820	Tue	938 938 938 1 5904 109 5904 109 65950 15611 71675 ... 12163 33189 29348 000 000	CW	(AB/MPJ)
M12	9327	27-08	1840	Tue	938 938 938 1 5904 109 5904 109 65950 15611 71675 ... 12163 33189 29348 000 000	CW	(AB/MPJ)
M12	12178	28-08	1210	Wed	155 155 155 000	CW	(AB/MPJ)
M12	11578	28-08	1230	Wed	155 155 155 000	CW	(AB/MPJ)
M12	15983	28-08	1400	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/ES-HOL)
M12	14683	28-08	1420	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/ES-HOL)
M12	13383	28-08	1440	Wed	963 963 963 1 163 90 163 90 71137 45184 21596 ... 92581 12874 45887 000 000	CW	(AB/ES-HOL)
M12	12162	28-08	1710	Wed	546 546 546 1 5564 105 5564 105 59174 49092 36051 ... 03110 65631 70464 000 000	CW	(AB/MPJ)
M12	11566	28-08	1730	Wed	546 546 546 1 5564 105 5564 105 59174 49092 36051 ... 03110 65631 70464 000 000	CW	(AB/MPJ)
M12	10711	28-08	1750	Wed	546 546 546 1 5564 105 5564 105 59174 49092 36051 ... 03110 65631 70464 000 000	CW	(AB/MPJ)
M12	16148	28-08	1950	Wed	174 174 174 000	CW	(AB/RL)
M12	14748	28-08	2010	Wed	174 174 174 000	CW	(AB/RL)
M12	9052	28-08	2210	Wed	992 992 992 000	CW	(RL)
M12	8052	28-08	2230	Wed	992 992 992 000	CW	(RL)
M12	11148	29-08	0700	Thu	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-J)
M12	10648	29-08	0720	Thu	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-J)
M12	9148	29-08	0740	Thu	161 161 161 1 120 90 120 90 05480 64396 66521 ... 50813 33432 18442 000 000	CW	(AB-J)
M12	12162	29-08	1700	Thu	546 546 546 1 6114 109 6114 109 32552 28185 89469 ... 99239 02534 78595 000 000	CW	(AB)

M12	11566	29-08	1720	Thu	546 546 546 1 6114 109 6114 109 32552 28185 89469 ... 99239 02534 78595 000 000	CW	(AB)
M12	10711	29-08	1740	Thu	546 546 546 1 6114 109 6114 109 32552 28185 89469 ... 99239 02534 78595 000 000	CW	(AB)
M12	12162	29-08	1800	Thu	546 546 546 3701 107 3701 107 58927 70118 54639 ... 94694 92053 84284 000 000	CW	(AB)
M12	11566	29-08	1820	Thu	546 546 546 3701 107 3701 107 58927 70118 54639 ... 94694 92053 84284 000 000	CW	(AB)
M12	10711	29-08	1840	Thu	546 546 546 3701 107 3701 107 58927 70118 54639 ... 94694 92053 84284 000 000	CW	(AB)
M12	14377	29-08	2000	Thu	317 317 317 1 9013 106 9013 106 26577 03902 41538 11565 ... 46701 95262 25507 16646 000 000	CW	(AB/RL)
M12	13461	29-08	2020	Thu	317 317 317 1 9013 106 9013 106 26577 03902 41538 11565 ... 46701 95262 25507 16646 000 000	CW	(AB/RL)
M12	12114	29-08	2040	Thu	317 317 317 1 9013 106 9013 106 26577 03902 41538 11565 ... 46701 95262 25507 16646 000 000	CW	(AB/RL)
M12	12214	29-08	2110	Thu	209 209 209 1 266 102 266 102 26356 60162 36861 70415 ... 31429 95236 38696 98756 000 000	CW	(AB/RL)
M12	9914	29-08	2130	Thu	209 209 209 1 266 102 266 102 26356 60162 36861 70415 ... 31429 95236 38696 98756 000 000	CW	(AB/RL)
M12	11014	29-08	2130	Thu	209 209 209 1 266 102 266 102 26356 60162 36861 70415 ... 31429 95236 38696 98756 000 000	CW	(AB/RL)
M12	12178	30-08	1210	Fri	155 155 155 000	CW	(AB/MPJ)
M12	11578	30-08	1230	Fri	155 155 155 000	CW	(AB/MPJ)
M12	16148	30-08	1950	Fri	174 174 174 000	CW	(AB)
M12	14748	30-08	2010	Fri	174 174 174 000	CW	(AB)
M12	10314	30-08	2100	Fri	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	9114	30-08	2120	Fri	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	8014	30-08	2140	Fri	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	10314	31-08	2100	Sat	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	9114	31-08	2120	Sat	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	8014	31-08	2140	Sat	310 310 310 1 483 120 483 120 82376 29394 04941 ... 59958 93011 24545 000 000	CW	(AB/RL)
M12	9052	31-08	2210	Sat	992 992 992 000	CW	(AB/RL)
M12	8052	31-08	2230	Sat	992 992 992 000	CW	(AB/RL)
M14	7605	2-08	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	6876	2-08	2000	Fri	735 735 735 00000	MCW	(AB)
M14	4730	3-08	0800	Sat	735 104 104 40 40 = = 55511 99059 21202 ... 22571 78909 55454 104 104 40 40 = = 00000	MCW	(AB-POL)
M14	4650	3-08	0900	Sat	735 104 104 40 40 = = 55511 99059 21202 ... 22571 78909 55454 104 104 40 40 = = 00000	MCW	(AB-POL)
M14	6953	6-08	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
M14	7390	7-08	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	4730	10-08	0800	Sat	Errors. 523 101 101 40 40 = = 12345 45678 09890 ... 553565565655 7865 58654 = = 1	MCW	(AB-RUS)
M14	4650	10-08	0900	Sat	523 101 101 40 40 = = 12345 45678 09890 ... 76543 65655 78654 = = 101 101 40 40 00000	MCW	(AB-RUS)
M14	16347	10-08	0930	Sat	617 617 617 00000	CW	(AB/ES-HOL)
M14	6856	13-08	1820	Tue	163 123 123 38 38 = = 23456 56789 09098 ... 85859 (67899) 95654 (55654) = = 123 123 38 38 00000 Different repeats between brackets	MCW	(AB/JPL)
M14	5938	14-08	1920	Wed	417 556 556 43 43 = = 32456 76545 87456 ... 21435 67754 54327 = = 556 556 43 43 00000	MCW	(MPJ)
M14	7608	16-08	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)

M14	6876	16-08	2000	Fri	735 735 735 00000	MCW	(AB)
M14	4730	17-08	0800	Sat	523 102 102 35 35 == 78787 65456 43543 ... 56765 89098 00777 102 102 35 35 == 00000	MCW	(AB-RUS)
M14	4650	17-08	0900	Sat	523 102 102 35 35 == 78787 65456 43543 ... 56765 89098 00777 102 102 35 35 == 00000	MCW	(AB-RUS)
M14	6953	20-08	1521	Tue	Test: B27 38966 14915 44186 45755 62085 52098 40042 9078M	MCW	(AB)
M14	6953	20-08	1523	Tue	Test: 01453 38720 30788 68416 76341 58906 3764	MCW	(AB)
M14	6953	20-08	1546	Tue	Test: 877	MCW	(AB)
M14	6953	20-08	1558	Tue	Test: 239 239 239 000 23	MCW	(AB)
M14	6953	20-08	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
M14	7390	21-08	1505	Wed	Test. Single groups: 169 22305 23597 57498 45702 37279 04953 81276 27427 70587 87305 408	MCW	(AB)
M14	7390	21-08	1544	Wed	Test. Single groups: 278	MCW	(AB)
M14	7390	21-08	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	4730	24-08	0800	Sat	523 105 105 30 30 == 77781 45671 11331 ... 18190 22816 14880 32145 105 105 30 30 == 00000	MCW	(AB-FIN)
M14	4650	24-08	0900	Sat	523 105 105 30 30 == 77781 45671 11331 ... 18190 22816 14880 32145 105 105 30 30 == 00000	MCW	(AB-FIN)
M14	16347	25-08	0930	Sun	617 617 617 00000	CW	(AB)
M14	6860	27-08	1820	Tue	163 123 123 38 38 == 23456 56789 09098 ... 12367 67899 99654 == 123 123 38 38 00000	MCW	(AB/MPJ)
M14	5938	28-08	1920	Wed	417 123 123 38 38 == 23456 56789 09098 ... 12367 67899 99654 == 123 123 38 38 00000	MCW	(AB/MPJ)
M14	4730	31-08	0800	Sat	523 674 674 42 42 == 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 == 00000	MCW	(AB-POL)
M14	4650	31-08	0900	Sat	523 674 674 42 42 == 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 == 00000	MCW	(AB-POL)
M21	6421.5	6-08	1651	Tue	Russian Air Defense =991951??8???? =991952??8???? =991953??8????	CW	(F5JBR)
M21	7249	7-08	0617	Wed	Russian Air Defense =990921??0???? =990922??0???? =990923??0????	CW	(F5JBR)
M21	8576	7-08	0631	Wed	Russian Air Defense =990931??8???? =990932??8???? =990933??8????	CW	(F5JBR)
M21	8606	8-08	1606	Thu	Russian Air Defense =991906??8???? =13126378781905 =23126901840227 =13124378507405 =13125378607205 //8576 kHz	CW	(F5JBR)
M21	8576	9-08	0605	Fri	Russian Air Defense =13154378509904 =990905??8???? =23154901090810 =	CW	(WP3)
M21	8576	9-08	1755	Fri	Russian Air Defense =992056??8???? =17476378707500 =27476701100100 =27476701100100	CW	(WP3)
M21	8747	9-08	1758	Fri	Russian Air Defense =99?2058?9???? =99?2100?9???? =99?2102?9????	CW	(WP3)
M21	8747	24-08	0430	Sat	=99?0730?9???? =99?0732?9???? =99?0734?9????	CW	(F5JBR-J)
M21	6843.5	24-08	0448	Sat	=990748??0???? =990749??0???? =990750??0????	CW	(F5JBR-J)
M21	6440.5	24-08	0452	Sat	=990752??8???? =990753??8???? =990754??8????	CW	(F5JBR-J)
M21	3691.5	24-08	1510	Sat	=991810??8???? =991811??8???? =991812??8????	CW	(F5JBR-J)
M21	6440.5	25-08	0729	Sun	=991029??8???? =991030??8????	CW	(JPL-Sib)
M21	6990.5	28-08	0753	Wed	=991053??8???? =991054??8???? =991055??8????	CW	(F5JBR-J)
M21	4582	28-08	0823	Wed	=991123??0???? =991124??0???? =991125??0????	CW	(F5JBR-J)
M21	4385.5	28-08	1251	Wed	=99?1551?9???? =99?1553?9???? =99?1555?9????	CW	(F5JBR-J)
M21	3691.5	28-08	1308	Wed	=991608??8???? =991609??8???? =991610??8????	CW	(F5JBR-J)
M22	6607	26-08	2053	Mon	VVV DE 4XZ 4XZ = =	CW	(RL)

M22	6607	30-08	1559	Fri	VVV DE 4XZ 4XZ == EL8F NR 317 TO NR 717 QQL = = SB7M NR 227 GH GR 42 = = OK0Q NR 127 EP GR 32 = = MT9W NR 027 BP GR 22 = =	CW	(AB)
M32	8508	5-08	1616	Mon	RDL: XXX XXX M7A2 M7A2 62127 87778 AMILOFON 8081 8175	CW	(JU)
M32	14842	8-08	1020	Thu	RGT77: XXX XXX WEGI WEGI 04095 PROPITÍIK 9182 5452	CW	(JU)
M32	7942	8-08	1023	Thu	REA4: 27213 PROPITÍIK 9182 5452	CW	(JU)
M32	14411	8-08	1037	Thu	XXX XXX WEGI WEGI 43922 04095 PROPITÍIK 9182 5452	CW	(JU)
M32	13225	12-08	1627	Mon	792 727 1792 727 1792 727. 792 728 1792 728 1792 728. 792 729 1792 729 1792 729. 792 730 1792 730 1792 730	CW	(FT)
M32	3719	20-08	1343	Tue	i.p. 10018 40100 54010 70004 8//// 22215 00160 = AR RCQZ K. (13 RJD93 R 122 K. OK QRU SK	CW	(JPL-Sib)
M32	14411	26-08	1747	Mon	RDL i.p. 90663 35331 58982 97200 91049 73448 31638 84621 56387 94603 66253 40473 26037 K	FSK CW	(AB)
M32	14411	27-08	1210	Tue	RDL RDL RDL 95645 12662 95645 12662 95645 12662 K	FSK CW	(AB)
M32	14411	27-08	1334	Tue	RDL RDL RDL 52691 62505 52691 62505 52691 62505 K	FSK CW	(AB)
M32	14411	27-08	1339	Tue	RDL RDL RDL 10267 06550 10267 06550 10267 06550 K	FSK CW	(AB)
M32	5359	28-08	1041	Wed	XXX XXX ZhZLShch ZhZLShch 89187 WINChESTER 1621 6102 K	CW	(Gwr)
M32	5436	28-08	1108	Wed	XXX XXX WEGI WEGI 72038 SMANIWAN'E 4793 3682 ZUBROBORShch 1176 0651 K	CW	(Gwr)
M32	5359	28-08	1126	Wed	XXX XXX ZhZLShch ZhZLShch 48681 MASTEROK 2145 9856 K	CW	(Gwr)
M32	5436	28-08	1146	Wed	XXX XXX WLHN WLHN 40988 SLOGOKRYaZh 1827 3924 K	CW	(Gwr)
M32	5436	28-08	1349	Wed	XXX XXX G5CX G5CX 62286 OChAGOPAYuS 0356 0179 K	CW	(Gwr)
M32b	8816	2-08	1730	Fri	rjc38 rjf94 de 71567 qto 1720 qrd XLMD XLWF qre 2040 qbd 0500 k	CW	(WP3)
M41	4134.5	28-08	1233	Wed	VKM8 wkg 7 outstations QSA WZD QRJ ?	CW	(F5JBR-J)
M42	8024	4-08	1916	Sun	Russian diplo/intel.	Serdolik	(AB)
M42	16043	28-08	0808	Wed	Russian diplo/intel.	MFSK-66	(AB)
M42b	7562	6-08	1325	Tue	4KSA wkg 3DBA. QTC 1 NW 138 50 06 1325 1344 = 44505 51956 10424 48023 ... CFM NIL SK	CW	(F5JBR)
M42b	9120	6-08	1338	Tue	SONG wkg UL2G. QSY 04856.QSA2 QTC 1 ZTH NW = 789 30 6 1335 1223 K. CFM QRU QRU ? K. R 914 1352 K. NIL SK	CW	(F5JBR)
M42b	12220	24-08	0411	Sat	i.p. QRU? QRV K K QSL 2 K NIL K SK	CW	(F5JBR-J)
M42b	6923	25-08	0617	Sun	L7DR wkg W2OU. Traffic in FSK 50Bd/500Hz	CW	(F5JBR-J)
M51a	3881	22-08	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
M51a	6825	22-08	1130	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
M51a	3881	31-08	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //6825 kHz	CW	(AB)
M51a	6825	31-08	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //3881 kHz	CW	(AB)
M51a	3881	31-08	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //6825 kHz	CW	(AB)
M51a	6825	31-08	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //3881 kHz	CW	(AB)
M51b	6825	10-08	1305	Sat	Non-stop 5-character groups composed of M51a messages	CW	(AB)
M51b	3881	21-08	0703	Wed	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	21-08	0703	Wed	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	22-08	1037	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	22-08	1037	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)

M51b	3881	22-08	1332	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	22-08	1332	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	22-08	1400	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	22-08	1400	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	30-08	1558	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	30-08	1558	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	31-08	0742	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	31-08	0742	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	4131	1-08	1649	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	1-08	1651	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	1-08	1651	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	2-08	1014	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	2-08	1014	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10383	2-08	1017	Fri	V 2B7D (x3) DE 3GR1 (x2) //5691 sending different roundslip	CW	(JPL)
M89	5691	2-08	1017	Fri	V HFL2 (x3) DE M6NY (x2) //10383 sending different roundslip	CW	(JPL)
M89	10640	2-08	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	2-08	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	6840	2-08	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
M89	7620	2-08	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	2-08	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7540	2-08	1031	Fri	i.p. VVV 7G NR 005 VVV RK RK V M8KG DE BNC3 K R QSA 2 K	CW	(JPL)
M89	4131	2-08	1435	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	2-08	1437	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	2-08	1437	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	6-08	2207	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	6-08	2213	Tue	V 3JWV (x3) DE QH4P (x2) //3597 and 6913 and 7397	CW	(JPL)
M89	3597	6-08	2213	Tue	V 3JWV (x3) DE QH4P (x2) //3156 and 6913 and 7397	CW	(JPL)
M89	6913	6-08	2213	Tue	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 7397	CW	(JPL)
M89	7397	6-08	2213	Tue	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 6913	CW	(JPL)
M89	4192	6-08	2216	Tue	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	6-08	2216	Tue	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	6840	6-08	2220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	4197	9-08	1210	Fri	i.p. 53A3 NA56 74U7 7647 4UUA	CW	(JPL)
M89	4192	9-08	1215	Fri	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	9-08	1215	Fri	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3156	9-08	1220	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	9-08	1220	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	9-08	1453	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	10-08	1220	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)

M89	3597	10-08	1220	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	10-08	1232	Sat	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	10-08	1232	Sat	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip. Sending HFLU vice HFL2.	CW	(JPL)
M89	4131	10-08	1346	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4143	10-08	1357	Sat	R/1Y AR K. R HR RPT = MSG RI. MEEEE	CW	(JPL)
M89	4860	10-08	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	10-08	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	10-08	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	4740	10-08	1927	Sat	R KP VV VV O5WY DE JBYA K R QSA 2 QSA ? K	CW	(JPL)
M89	6913	10-08	2226	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	10-08	2226	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4192	10-08	2233	Sat	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	10-08	2233	Sat	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip. Sending HFLU vice HFL2.	CW	(JPL)
M89	4860	16-08	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920	CW	(JPL)
M89	5920	16-08	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3156	16-08	1228	Fri	V 3JWV (x3) DE QH4P (x2) //3597 and 6913 and 7397	CW	(JPL)
M89	3597	16-08	1228	Fri	V 3JWV (x3) DE QH4P (x2) //3156 and 6913 and 7397	CW	(JPL)
M89	6913	16-08	1228	Fri	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 7397	CW	(JPL)
M89	7397	16-08	1228	Fri	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 6913	CW	(JPL)
M89	8350	16-08	1230	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	10383	16-08	1237	Fri	V D72H (x3) DE 1HM4 (x2) //5691 Note: sending same round slip, but not synchronized	CW	(JPL)
M89	5691	16-08	1237	Fri	V D72H (x3) DE 1HM4 (x2) //10383 Note: sending same round slip, but not synchronized	CW	(JPL)
M89	4131	16-08	17	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	17-08	1327	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	17-08	1327	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	17-08	1329	Sat	V D72H (x3) DE 1HM4 (x2) //4489 Note: sending same round slip, but not synchronized	CW	(JPL)
M89	4489	17-08	1329	Sat	V D72H (x3) DE 1HM4 (x2) //4192 Note: sending same round slip, but not synchronized	CW	(JPL)
M89	4720	17-08	1330	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	17-08	1330	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	5177	19-08	1209	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	19-08	1210	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	19-08	1210	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	19-08	1213	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip: UB7D DE 3GRA vice 2B7D DE 3GR1 - using cut numbers for 2 and 1 in roundslip.	CW	(JPL)
M89	4489	19-08	1213	Mon	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip sending different roundslip	CW	(JPL)
M89	4860	19-08	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	19-08	1920	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3156	20-08	1324	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	20-08	1324	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)

M89	4192	20-08	1329	Tue	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip: UB7D DE 3GRA vice 2B7D DE 3GR1 - using cut numbers for 2 and 1	CW	(JPL)
M89	4489	20-08	1329	Tue	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	4720	20-08	1330	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	4244	20-08	1339	Tue	i.p. D735 73DN 753U AT6U UNDT 3TNA	CW	(JPL)
M89	4250	20-08	1350	Tue	i.p. R WK NR K R WK NR KROO EEEEE R OK SK SK VA R VA VA VA K	CW	(JPL)
M89	4305	20-08	1352	Tue	VV 5TBY DE M2QX K. VVV 7U8P DE M2QX K. R QSA 2 WK NR K. WK NR OK AS KS KP KP	CW	(JPL)
M89	4131	20-08	2029	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	20-08	2246	Tue	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	20-08	2246	Tue	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4860	20-08	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	20-08	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	20-08	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	7620	20-08	2330	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	20-08	2330	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4131	23-08	1944	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	23-08	1946	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	23-08	1946	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	23-08	1948	Fri	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	23-08	1948	Fri	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	7397	24-08	0500	Sat	3JWV de QH4P V	CW	(F5JBR-J)
M89	6913	24-08	0616	Sat	3JWV de QH4P V	CW	(F5JBR-J)
M89	5691	24-08	0906	Sat	HFLU de M6NY V	CW	(F5JBR-J)
M89	3156	24-08	1434	Sat	3JWV de QH4P V //3597 kHz	CW	(F5JBR-J)
M89	4131	25-08	1740	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	25-08	1741	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	25-08	1741	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	25-08	1743	Sun	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip. Having technical problems with roundslip. Mostly garbled.	CW	(JPL)
M89	4489	25-08	1743	Sun	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	10383	25-08	717	Sun	V 2B7D (x3) DE 3GR1 (x2)	CW	(JPL)
M89	6913	25-08	719	Sun	i.p. 4D4N 4DTN NA4N AR MSG NR 0817 CK 94 24 0825 1515 RMKS 9546 TO 0922 9386 93.5 = 7536 545T 5TD4 6NUN 56DN T3TA (Cont'd) AR. V 3JWV DE QH4P	CW	(JPL)
M89	6913	25-08	756	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	25-08	756	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10383	25-08	758	Sun	V 2B7D (x3) DE 3GR1 (x2) //5691 sending different roundslip	CW	(JPL)
M89	5691	25-08	758	Sun	V HFL2 (x3) DE M6NY (x2) //10383 sending different roundslip	CW	(JPL)
M89	5566	25-08	800	Sun	i.p. R RPT 13W = 636A AR K. RPT 15 TO 17W K K (Both stations on this frequency) R RPT 15 TO 17W = 6.4U 53UU UA.A AR K	CW	(JPL)

M89	4279	25-08	811	Sun	i.p. 3952 AR K. = UAT17 = HR SVC GA K. VVV D3WC DE DEATT K K	CW	(JPL)
M89	4192	26-08	1641	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different roundslip	CW	(JPL)
M89	4489	26-08	1641	Mon	V HFL2 (x3) DE M6NY (x2) //4192 sending different roundslip	CW	(JPL)
M89	3156	26-08	1643	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	26-08	1643	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	26-08	1647	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	27-08	1515	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	27-08	1517	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	4597	27-08	1517	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	27-08	1518	Tue	V 2B7D (x3) DE 3GR1 (x2) //4489 sending same roundslip which rarely happens.	CW	(JPL)
M89	4489	27-08	1518	Tue	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip which rarely happens.	CW	(JPL)
M89	5177	28-08	1051	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10383	28-08	1053	Wed	V 2B7D (x3) DE 3GR1 (x2) //5691 sending same roundslip which rarely happens.	CW	(JPL)
M89	5691	28-08	1053	Wed	V 2B7D (x3) DE 3GR1 (x2) //10383 sending same roundslip which rarely happens.	CW	(JPL)
M89	3156	28-08	1056	Wed	V 3JWV (x3) DE QH4P (x2) //3597 and 6913 and 7397	CW	(JPL)
M89	3597	28-08	1056	Wed	V 3JWV (x3) DE QH4P (x2) //3156 and 6913 and 7397	CW	(JPL)
M89	6913	28-08	1056	Wed	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 7397	CW	(JPL)
M89	7397	28-08	1056	Wed	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 6913	CW	(JPL)
M89	4392	28-08	1103	Wed	i.p. 6363 NA4A NA43 7745 7NN7 III R 17W (Other station also on this frequency)	CW	(JPL)
M89	4860	28-08	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	28-08	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	28-08	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	4489	28-08	1238	Wed	2B7D de 3GR1 V //4192 kHz	CW	(F5JBR-J)
M89	3156	28-08	1240	Wed	3JWV de QH4P V //3597 kHz	CW	(F5JBR-J)
M89	5801	28-08	1300	Wed	DKG6 de 3A7D V	CW	(F5JBR-J)
M89	5691	29-08	1040	Thu	V 2B7D 2B7D 2B7D de 3GR1 3GR1	CW	(EW)
M89	7645	29-08	1045	Thu	V YDGR YDGR YDGR DE REN9 REN9	CW	(EW)
M89	7645	29-08	1053	Thu	V YDGR YDGR YDGR DE REN9 REN9 MSG QSL 1801	CW	(EW)
M90	4133	8-08	0630	Thu	DEQJ DEQJ DEQJ AR = QTR 0831 DEQJ DEQJ DEQJ AR DEQJ DEQJ DEQJ AR	CW	(F5JBR-AUT)
M90	4133	8-08	0638	Thu	QTC 628 = 628 20 08 0838 628 = DEQJ = DNFVZ KADQS FKEIU YMISI IRFBP QWXTY RZBNM BGMNX QRKRK JEYCR ...	CW	(F5JBR-AUT)
M90	4133	8-08	0641	Thu	DEQJ DEQJ DEQJ AR = QTR 0848 DEQJ DEQJ DEQJ AR DEQJ DEQJ DEQJ AR DEQJ 768 435 035 530 DEQJ AR	CW	(F5JBR-AUT)
M95	3642	1-08	1640	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-08	1640	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	2-08	1009	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	2-08	1009	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	8073	2-08	1141	Fri	V BNGC DE XSV85 HR MSGS GA PSE CY NR 0590 CK 261 35 0802 1 = ...	CW	(JPL)
M95	10180	2-08	1433	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M95	5801	2-08	1433	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	3642	6-08	2205	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	6-08	2205	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	9-08	1139	Fri	BNGC DE XSV85 HR MSGS GA PSE CY NR 0623 CK 25.. //8073	CW	(JPL)
M95	8073	9-08	1139	Fri	BNGC DE XSV85 HR MSGS GA PSE CY NR 0623 CK 25.. //4364	CW	(JPL)
M95	4243	9-08	1150	Fri	HR 7G TO YR PSE CY NR 028 CK 31 35 0809 1543 = 5AA UTT TTN 3U6 3A4 ... //4243	CW	(JPL)
M95	9054	9-08	1150	Fri	HR 7G TO YR PSE CY NR 028 CK 31 35 0809 1543 = 5AA UTT TTN 3U6 3A4 ... //4243	CW	(JPL)
M95	10180	9-08	1156	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	9-08	1156	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	4129	9-08	1203	Fri	QSA 1 QSA 1 U QSY NR 04 QSY NR 04 K. VV PG/J DE DEKP35 K. QSA2 K	CW	(JPL)
M95	10180	10-08	1210	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	10-08	1210	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	4243	10-08	1214	Sat	365 4T6 454 336 N3U 77A 44A III = = 3UN 354 373 N3D 353 (Cont'd) //9054	CW	(JPL)
M95	9054	10-08	1214	Sat	365 4T6 454 336 N3U 77A 44A III = = 3UN 354 373 N3D 353 (Cont'd) //4243	CW	(JPL)
M95	10180	10-08	1340	Sat	i.p. A4U3 567N DTA4 AR QSL ? HR WK NR 190 V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	10-08	1340	Sat	i.p. A4U3 567N DTA4 AR QSL ? HR WK NR 190 V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	4364	11-08	1139	Sun	BNGC DE XSV85 HR MSGS GA PSE CY NR 0631 CK 46 35 0811 1631 = //8053	CW	(JPL)
M95	8073	11-08	1139	Sun	BNGC DE XSV85 HR MSGS GA PSE CY NR 0631 CK 46 35 0811 1631 = //4364	CW	(JPL)
M95	4243	11-08	1144	Sun	HR 7G TO YR PSE CY NR 22 CK 242 35 0811 1544 = UTU TAA 3U6 3A4 7TU ...	CW	(JPL)
M95	10180	11-08	1156	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	11-08	1156	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	9054	15-08	2347	Thu	HR 7G TO YR PSE CY NR 027 CK 22 35 0816 0626 =	CW	(JPL)
M95	8073	16-08	1135	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0651 CK 48 35 0816 1526 =	CW	(JPL)
M95	4243	16-08	1150	Fri	i.p. VV HR MSG TO YR PSE CY NR 040 CK 26 35 0816 1546 = 5AA UTT TA6 3U6 3A4 ...	CW	(JPL)
M95	4243	16-08	1220	Fri	i.p.	CW	(JPL)
M95	10180	16-08	1225	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	16-08	1225	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	3642	16-08	15	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	16-08	15	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	8073	16-08	6	Fri	BNGC DE XSV85 HR MSGS GA PSE CY NR 0649 CK .. 35 0816 0656 =	CW	(JPL)
M95	10180	17-08	1322	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	17-08	1322	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	3642	17-08	1444	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	17-08	1444	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	19-08	1130	Mon	BNGC DE XSV85 //8073	CW	(JPL)
M95	8073	19-08	1130	Mon	BNGC DE XSV85 //4364	CW	(JPL)
M95	4364	19-08	1136	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY //8073	CW	(JPL)
M95	8073	19-08	1136	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY //4364	CW	(JPL)
M95	4243	19-08	1147	Mon	VV HR MSG TO YR PSE CY NR 047 CK 32 35 0819 1550 = 5AA UTT TAN 3U6 3A4 ... //9054	CW	(JPL)

M95	9054	19-08	1147	Mon	VV HR MSG TO YR PSE CY NR 047 CK 32 35 0819 1550 = 5AA UTT TAN 3U6 3A4 ... //4243	CW	(JPL)
M95	10180	19-08	1206	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	19-08	1206	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	3642	19-08	1919	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	19-08	1919	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4283	20-08	1330	Tue	i.p. probably XSV70 4D3 TAT 773 3AD 357 37U 4AD III 445 4D6 75D 4D3 3AN 354 ...//7553	CW	(JPL)
M95	7553	20-08	1330	Tue	i.p. probably XSV70 4D3 TAT 773 3AD 357 37U 4AD III 445 4D6 75D 4D3 3AN 354 ...//4283	CW	(JPL)
M95	3642	20-08	2030	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-08	2030	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	20-08	2347	Tue	VV HR 7G TO YR PSE CY NR 042 CK 17 35 0821 0607 = //9054	CW	(JPL)
M95	9054	20-08	2347	Tue	VV HR 7G TO YR PSE CY NR 042 CK 17 35 0821 0607 = //4243	CW	(JPL)
M95	3642	23-08	1942	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-08	1942	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	25-08	1737	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	25-08	1737	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	25-08	751	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	26-08	1648	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	26-08	1648	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	27-08	1512	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	27-08	1512	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	28-08	1043	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	28-08	1043	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	4243	28-08	1147	Wed	VV HR 7G TO YR PSE CY NR 56 CK 159 35 0828 1555 = UTU TUD 3U6 3A4 TTU ... //9054	CW	(JPL)
M95	9054	28-08	1147	Wed	VV HR 7G TO YR PSE CY NR 56 CK 159 35 0828 1555 = UTU TUD 3U6 3A4 TTU ... //4243	CW	(JPL)
MX	7586	6-08	1315	Tue	Beacon P, Kaliningrad	CW	(F5JBR)
MX	13527.7	8-08	1405	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	8-08	1405	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	13528.1	8-08	1405	Thu	Beacon A, Astrakhan	CW	(AB)
MX	8497.8	9-08	0603	Fri	Beacon L, St. Petersburg	CW	(WP3)
MX	8497.8	10-08	0953	Sat	Beacon L, St. Petersburg	CW	(AB)
MX	10876.5	21-08	0640	Wed	Beacon P, Kaliningrad	CW	(F5JBR)
MX	10876.8	22-08	0520	Thu	Beacon P, Kaliningrad	CW	(ES-HOL)
MX	5156.8	22-08	0723	Thu	Beacon L, St Petersburg	CW	(ES-POL)
MX	7508.7	25-08	1105	Sun	Beacon D, Sevastapol	CW	(ES-POL)
MX	10872.1	29-08	0800	Thu	Beacon A, Astrakahn	CW	(ES-RUS)
P03a	12153	1-08	1515	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	1-08	1520	Thu	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	2-08	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	2-08	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)

P03a	9130	2-08	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	2-08	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	2-08	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	2-08	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	3-08	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	3-08	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	3-08	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	3-08	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	3-08	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	3-08	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	3-08	1515	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12153	3-08	1520	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	3-08	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	3-08	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6304	4-08	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	4-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	4-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	4-08	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	4-08	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	9130	4-08	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5779	5-08	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	5-08	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	7-08	1435	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	7-08	1440	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	7-08	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	7-08	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	7-08	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	7-08	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	9-08	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	9-08	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	9-08	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	9-08	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	9-08	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	9-08	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	10-08	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	10-08	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	10-08	1435	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	7840	10-08	1440	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	10-08	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)

P03a	5344	10-08	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	10-08	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	10-08	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6304	11-08	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	11-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	11-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	11-08	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	11-08	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	11-08	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	12-08	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	12-08	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	14-08	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	14-08	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	14-08	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	14-08	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	16-08	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	16-08	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	16-08	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	16-08	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	16-08	1635	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	16-08	1640	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	17-08	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	17-08	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	17-08	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	17-08	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	17-08	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	17-08	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6304	18-08	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	18-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	18-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	18-08	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	18-08	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	18-08	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	19-08	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5779	19-08	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	21-08	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	21-08	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	21-08	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	21-08	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	9130	23-08	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	23-08	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	5779	23-08	1635	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	5779	23-08	1640	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	6304	24-08	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	24-08	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	24-08	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	24-08	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	24-08	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	24-08	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6304	25-08	0500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	25-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	25-08	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	25-08	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	25-08	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	9130	25-08	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5779	26-08	1635	Mon	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5779	26-08	1640	Mon	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5344	28-08	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	28-08	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	28-08	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	16125	28-08	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	6940	30-08	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6940	30-08	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	9130	30-08	1500	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	9130	30-08	1505	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	5779	30-08	1635	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	5779	30-08	1640	Fri	Polish Intel.	BPSK-62.5Bd	(AB)
P03a	6304	31-08	0500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	6304	31-08	0505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	31-08	1500	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	31-08	1505	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	31-08	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	16125	31-08	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03b	8597	4-08	1120	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	4-08	1125	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	7-08	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	11-08	1120	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	11-08	1125	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)

P03b	8597	14-08	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	14-08	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	18-08	1120	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	18-08	1125	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	21-08	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	21-08	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	5409	24-08	0610	Sat	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	5409	24-08	0615	Sat	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	25-08	1120	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	25-08	1125	Sun	Polish Intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	8597	28-08	1120	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	8597	28-08	1125	Wed	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	5409	31-08	0610	Sat	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	5409	31-08	0615	Sat	Polish Intel.	QPSK 62.5Bd	(AB)
P03c	6849	1-08	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	1-08	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	8-08	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	8-08	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	14-08	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	14-08	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	21-08	0430	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	21-08	0435	Wed	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	22-08	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	22-08	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	29-08	0430	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03c	6849	29-08	0435	Thu	Polish Intel.	BPSK 125Bd	(AB)
P03e	14415	2-08	1440	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	2-08	1445	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	4-08	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	4-08	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	5149	4-08	1725	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	4-08	1730	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	6-08	1725	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	5149	6-08	1730	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	9-08	1440	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	9-08	1445	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	11-08	1440	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	11-08	1445	Sun	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	5149	11-08	1725	Sun	Polish Intel.	QPSK 100Bd	(AB)

P03e	5149	11-08	1730	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	13-08	1725	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	5149	13-08	1730	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	16-08	1440	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	16-08	1445	Fri	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	18-08	1440	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	18-08	1445	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	18-08	1725	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	18-08	1730	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	20-08	1725	Tue	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	20-08	1730	Tue	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	23-08	1440	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	23-08	1445	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	25-08	1440	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	14415	25-08	1445	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	25-08	1725	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	25-08	1730	Sun	Polish Intel.	QPSK 100Bd	(AB)
P03e	5149	27-08	1725	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	5149	27-08	1730	Tue	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	30-08	1440	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03e	14415	30-08	1445	Fri	Polish Intel.	QPSK 100Bd	(AB/MPJ)
P03f	13537	5-08	0530	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	5-08	0535	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	7-08	0530	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	7-08	0535	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	12-08	0530	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	12-08	0535	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	14-08	0530	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	14-08	0535	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	19-08	0530	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	19-08	0535	Mon	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	21-08	0530	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	21-08	0535	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	28-08	0530	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	13537	28-08	0535	Wed	Polish Intel.	QPSK 200Bd	(AB)
Q26	8073	2-08	1135	Fri	XSV85 sending messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	9-08	1131	Fri	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	9-08	1131	Fri	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	9-08	1145	Fri	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)

Q26	9054	9-08	1145	Fri	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	11-08	1131	Sun	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	11-08	1131	Sun	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	11-08	1144	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	15-08	2342	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	16-08	1135	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	16-08	4	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	19-08	1129	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	19-08	1129	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	19-08	1142	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	19-08	1142	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	20-08	2342	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	20-08	2342	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	28-08	1143	Wed	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	28-08	1143	Wed	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
RMv	5372	15-08	0907	Thu	Vega-33 58288 LITYeJShchIK 6305 3705 (actually given at 0917z)	USB	(Gwr)
RMv	5372	15-08	0917	Thu	Vega-33 41028 KYZYL 7453 8345 (actually given at 0926z)	USB	(Gwr)
RMv	5372	15-08	0947	Thu	Vega-33 32719 ZYKOKRYeM 7615 9671 (actually given at 0954z)	USB	(Gwr)
RMv	5372	15-08	1018	Thu	Vega-33 24148 MYeMUARIST 0170 3756 (actually given at 1024z)	USB	(Gwr)
RMv	5372	15-08	1103	Thu	Vega-33 ZhYeLOUD 2308 (actually given at 11:10z)	USB	(Gwr)
RMv	5372	15-08	1302	Thu	Vega-33 88309 OGRANICHYeN'Ye 8413 1921	USB	(Gwr)
RMv	5372	15-08	1350	Thu	Vega-33 70600 LOGOSIM 6250 7189 (actually read at 1406z)	USB	(Gwr)
RMv	5372	28-08	1140	Wed	Vega-33 96608 MEhROGLIF 1493 2842 ZAMOCkKA 1020 7824 BYeSShYeRSTNYJ 0536 83 (timestamp given 1118z)	USB	(Gwr)
RMv	5372	28-08	1315	Wed	Vega-33 41502 MARYeL' 5809 0991	USB	(Gwr)
RMv	5372	28-08	1355	Wed	Vega-33 50339 KONFORMACIYa 2808 5132. Read 20 minutes late.	USB	(Gwr)
RMv	5372	28-08	1432	Wed	Vega-33 63662 KORDOPAB 9426 3389 LYuEhSOShTOF 8505 9515	USB	(Gwr)
S06	16327	1-08	0830	Thu	842-750/38=19457	USB	(HFD)
S06	13875	1-08	0930	Thu	842 via KiwiSDR	USB	(HFD)
S06	16327	2-08	0830	Fri	842 750 38 19457 81221 47038 ... 03978 23777 01062 750 38 00000	USB	(AB-J)
S06	13875	2-08	0930	Fri	842 750 38 19457 81221 47038 ... 03978 23777 01062 750 38 00000	USB	(AB-J)
S06	9336	2-08	1900	Fri	627 627 627 00000	USB	(AB/MPJ/HFD)
S06	7314	2-08	2000	Fri	627 627 627 00000	USB	(HFD)
S06	16327	9-08	0830	Fri	842 136 42 56999 56898 52375 ... 14977 51903 77169 136 42 00000	USB	(AB-RUS)
S06	13875	9-08	0930	Fri	842 136 42 56999 56898 52375 ... 14977 51903 77169 136 42 00000	USB	(AB-J)
S06	9336	16-08	1900	Fri	627 941 36 90891 74535 50170 ... 63301 42812 46021 941 941 36 36 00000	USB	(AB)
S06b	16327	30-08	0830	Fri	842 517 2 11111 00060 517 2 00000	USB	(AB)
S06b	13875	30-08	0930	Fri	842 517 2 11111 00060 517 2 00000	USB	(AB)
S06s	9255	1-08	0930	Thu	698 213 5 33796 13577 74526 46647 79302 213 5 00000	USB	(AB)

S06s	10325	1-08	0940	Thu	698 213 5 33796 13577 74526 46647 79302 213 5 00000	USB	(AB)
S06s	13145	1-08	1200	Thu	175 892 6 88620 58069 61732 74537 57440 10597 892 6 00000	USB	(AB/MPJ)
S06s	14535	1-08	1210	Thu	175 892 6 88620 58069 61732 74537 57440 10597 892 6 00000	USB	(AB/MPJ)
S06s	10290	2-08	0630	Fri	156 870 9 84523 60543 61462 84040 39493 91458 83723 92688 45952 870 9 00000	USB	(AB)
S06s	9655	2-08	0640	Fri	156 870 9 84523 60543 61462 84040 39493 91458 83723 92688 45952 870 9 00000	USB	(AB)
S06s	6844	2-08	0900	Fri	239 864 5 87655 75855 07443 51240 62343 864 5 00000	USB	(AB)
S06s	7161	2-08	0910	Fri	239 864 5 87655 75855 07443 51240 62343 864 5 00000	USB	(AB)
S06s	12460	3-08	0800	Sat	132 940 5 64385 82707 06123 78927 34694 940 5 00000	USB	(AB)
S06s	10250	3-08	0810	Sat	132 940 5 64385 82707 06123 78927 34694 940 5 00000	USB	(AB)
S06s	16320	5-08	0630	Mon	462 837 5 88569 89617 25757 77159 95225 837 5 00000	USB	(AB)
S06s	14875	5-08	0640	Mon	462 837 5 88569 89617 25757 77159 95225 837 5 00000	USB	(AB)
S06s	8221	5-08	0830	Mon	764 281 5 40614 77249 40678 17976 21816 281 5 00000	USB	(AB)
S06s	9353	5-08	0840	Mon	764 281 5 40614 77249 40678 17976 21816 281 5 00000	USB	(AB)
S06s	16381	5-08	0900	Mon	232 417 5 96320 36793 53038 76342 14009 417 5 00000	AM/USB	(AB)
S06s	14836	5-08	0910	Mon	232 417 5 96320 36793 53038 76342 14009 417 5 00000	AM/USB	(AB)
S06s	10230	5-08	1200	Mon	149 268 5 05899 50387 55847 23013 89758 268 5 00000	USB	(AB/MPJ)
S06s	12165	5-08	1210	Mon	149 268 5 05899 50387 55847 23013 89758 268 5 00000	USB	(AB/MPJ)
S06s	15945	6-08	0600	Tue	438 926 5 46062 68672 97478 39685 30485 926 5 00000	USB	(AB)
S06s	16945	6-08	0610	Tue	438 926 5 46062 68672 97478 39685 30485 926 5 00000	USB	(AB)
S06s	5430	6-08	0700	Tue	452 903 6 13857 34369 36395 45524 46421 83447 903 6 00000	USB	(AB-POL)
S06s	6780	6-08	0710	Tue	452 903 6 13857 34369 36395 45524 46421 83447 903 6 00000 (started 5 minutes early)	USB	(AB-POL)
S06s	7365	6-08	0730	Tue	427 583 6 38024 43233 30906 33558 32330 96724 583 6 00000	USB	(AB)
S06s	11655	6-08	0740	Tue	427 583 6 38024 43233 30906 33558 32330 96724 583 6 00000	USB	(AB)
S06s	14374	6-08	0800	Tue	127 503 6 42196 31015 36233 38250 91354 41532 503 6 00000	AM/USB	(AB)
S06s	12936	6-08	0810	Tue	127 503 6 42196 31015 36233 38250 91354 41532 503 6 00000	AM/USB	(AB)
S06s	4820	6-08	1000	Tue	427 905 6 49807 33684 35116 40210 34753 47606 905 6 00000	AM	(AB-POL)
S06s	5660	6-08	1010	Tue	427 905 6 49807 33684 35116 40210 34753 47606 905 6 00000	AM	(AB-POL)
S06s	6810	6-08	1100	Tue	265 403 7 47140 84300 44936 38010 30729 40210 49696 403 7 00000	USB	(AB)
S06s	7560	6-08	1110	Tue	265 403 7 47140 84300 44936 38010 30729 40210 49696 403 7 00000	USB	(AB)
S06s	6766	6-08	1500	Tue	914 203 6 44028 43453 82027 36575 46373 31059 203 6 00000	USB	(AB-POL/MPJ)
S06s	7744	6-08	1510	Tue	914 203 6 44028 43453 82027 36575 46373 31059 203 6 00000	USB	(AB/MPJ)
S06s	11530	7-08	0730	Wed	172 890 5 39534 17228 15636 47891 23247 890 5 00000	USB	(AB)
S06s	14977	7-08	0740	Wed	172 890 5 39534 17228 15636 47891 23247 890 5 00000	USB	(AB)
S06s	11565	7-08	0830	Wed	464 810 5 88620 58069 61732 74537 54440 810 5 00000	USB	(AB)
S06s	12560	7-08	0840	Wed	464 810 5 88620 58069 61732 74537 54440 810 5 00000	USB	(AB)
S06s	14580	7-08	1000	Wed	276 819 5 47665 94092 48321 63888 92060 819 5 00000	AM	(AB)
S06s	16020	7-08	1010	Wed	276 819 5 47665 94092 48321 63888 92060 819 5 00000	AM	(AB)
S06s	9255	8-08	0930	Thu	698 213 5 33796 13577 74526 46647 79302 213 5 00000	USB	(AB)
S06s	10325	8-08	0940	Thu	698 213 5 33796 13577 74526 46647 79302 213 5 00000	USB	(AB)

S06s	13145	8-08	1200	Thu	175 892 6 88620 58069 61732 74537 57440 10597 892 6 00000	USB	(AB)
S06s	14535	8-08	1210	Thu	175 892 6 88620 58069 61732 74537 57440 10597 892 6 00000	USB	(AB)
S06s	10290	9-08	0630	Fri	156 870 9 84523 60543 61462 84040 39493 91458 83723 92688 45952 870 9 00000	USB	(AB)
S06s	9655	9-08	0640	Fri	156 870 9 84523 60543 61462 84040 39493 91458 83723 92688 45952 870 9 00000	USB	(AB)
S06s	6844	9-08	0900	Fri	239 864 5 87655 75855 07443 51240 62343 864 5 00000	USB	(AB-POL)
S06s	7161	9-08	0910	Fri	239 864 5 87655 75855 07443 51240 62343 864 5 00000	USB	(AB-POL)
S06s	16320	12-08	0630	Mon	462 837 5 88569 89617 25757 77159 95225 837 5 00000	USB	(AB)
S06s	14875	12-08	0640	Mon	462 837 5 88569 89617 25757 77159 95225 837 5 00000	USB	(AB)
S06s	8221	12-08	0830	Mon	764 281 5 40614 77249 40678 17976 21816 281 5 00000	USB	(AB)
S06s	9353	12-08	0840	Mon	764 281 5 40614 77249 40678 17976 21816 281 5 00000	USB	(AB)
S06s	16381	12-08	0900	Mon	232 417 5 96320 36793 53038 76342 14009 417 5 00000	AM/USB	(AB)
S06s	14836	12-08	0910	Mon	232 417 5 96320 36793 53038 76342 14009 417 5 00000	AM/USB	(AB)
S06s	10230	12-08	1200	Mon	149 268 5 05899 59387 55847 23013 89758 268 5 00000	USB	(AB/MPJ)
S06s	12165	12-08	1210	Mon	149 268 5 05899 59387 55847 23013 89758 268 5 00000	USB	(AB/MPJ)
S06s	15945	13-08	0600	Tue	438 926 5 46062 68672 97478 39685 30485 926 5 00000	USB	(AB)
S06s	16945	13-08	0610	Tue	438 926 5 46062 68672 97478 39685 30485 926 5 00000	USB	(AB)
S06s	7365	13-08	0730	Tue	427 583 6 38024 43233 30906 33558 32330 96724 583 6 00000	USB	(AB)
S06s	11655	13-08	0740	Tue	427 583 6 38024 43233 30906 33558 32330 96724 583 6 00000	USB	(AB)
S06s	14374	13-08	0800	Tue	127 503 6 42196 31015 36233 38250 91354 41532 503 6 00000	AM/USB	(AB)
S06s	12936	13-08	0810	Tue	127 503 6 42196 31015 36233 38250 91354 41532 503 6 00000	AM/USB	(AB)
S06s	4820	13-08	1000	Tue	427 905 6 49807 33684 35116 40210 34753 47606 905 6 00000	AM	(AB-POL)
S06s	5660	13-08	1010	Tue	427 905 6 49807 33684 35116 40210 34753 47606 905 6 00000	AM	(AB-POL)
S06s	6810	13-08	1100	Tue	265 403 7 47140 84300 44936 38010 30729 40210 49696 403 7 00000	USB	(AB)
S06s	7560	13-08	1110	Tue	265 403 7 47140 84300 44936 38010 30729 40210 49696 403 7 00000	USB	(AB)
S06s	6766	13-08	1500	Tue	914 203 6 44028 43453 82027 36575 46373 31059 203 6 00000	USB	(AB/MPJ)
S06s	7744	13-08	1510	Tue	914 203 6 44028 43453 82027 36575 46373 31059 203 6 00000	USB	(AB/MPJ)
S06s	11530	14-08	0730	Wed	172 890 5 39534 17228 15636 47891 23247 890 5 00000	USB	(AB)
S06s	14977	14-08	0740	Wed	172 890 5 39534 17228 15636 47891 23247 890 5 00000	USB	(AB)
S06s	14580	14-08	1000	Wed	276 819 5 47665 94092 48321 63888 92060 819 5 00000	AM	(AB)
S06s	16020	14-08	1010	Wed	276 819 5 47665 94092 48321 63888 92060 819 5 00000	AM	(AB)
S06s	9255	15-08	0930	Thu	698 217 5 20534 11160 43494 37638 16070 217 5 00000	USB	(AB)
S06s	10325	15-08	0940	Thu	698 217 5 20534 11160 43494 37638 16070 217 5 00000	USB	(AB)
S06s	10290	16-08	0630	Fri	156 234 7 88620 58069 61732 74537 57440 10597 23521 235 7 00000	USB	(AB/HFD)
S06s	9655	16-08	0640	Fri	156 234 7 88620 58069 61732 74537 57440 10597 23521 235 7 00000	USB	(AB/HFD)
S06s	6844	16-08	0900	Fri	239 416 5 52401 76911 75155 92918 97067 416 5 00000	USB	(AB)
S06s	7161	16-08	0910	Fri	239 416 5 52401 76911 75155 92918 97067 416 5 00000	USB	(AB)
S06s	16320	19-08	0630	Mon	462 830 5 36944 64381 13078 10915 84612 830 5 00000	USB	(AB)
S06s	14875	19-08	0640	Mon	462 830 5 36944 64381 13078 10915 84612 830 5 00000	USB	(AB)
S06s	8221	19-08	0830	Mon	764 890 5 28571 15277 59881 64604 49656 890 5 00000	USB	(AnEur)

S06s	9353	19-08	0840	Mon	764 890 5 28571 15277 59881 64604 49656 890 5 00000	USB	(AnEur)
S06s	16381	19-08	0900	Mon	232 870 5 99446 90809 53182 34203 80686 870 5 00000	AM/USB	(AnEur)
S06s	14836	19-08	0910	Mon	232 870 5 99446 90809 53182 34203 80686 870 5 00000	AM/USB	(AnEur)
S06s	10230	19-08	1200	Mon	149 860 5 42881 54814 38884 24421 40239 860 5 00000	USB	(MPJ)
S06s	12165	19-08	1210	Mon	149 860 5 42881 54814 38884 24421 40239 860 5 00000	USB	(MPJ)
S06s	15945	20-08	0600	Tue	438 572 6 87378 30647 31464 40750 42433 35630 572 6 00000	USB	(AB)
S06s	16945	20-08	0610	Tue	438 572 6 87378 30647 31464 40750 42433 35630 572 6 00000	USB	(AB)
S06s	5430	20-08	0700	Tue	452 830 6 85418 31896 36053 33779 32814 47565 830 6 00000	USB	(AB-POL)
S06s	6780	20-08	0710	Tue	452 830 6 85418 31896 36053 33779 32814 47565 830 6 00000	USB	(AB)
S06s	7365	20-08	0730	Tue	427 859 6 35943 64372 13078 10915 84612 76148 859 6 00000	USB	(AB)
S06s	11655	20-08	0740	Tue	427 859 6 35943 64372 13078 10915 84612 76148 859 6 00000	USB	(AB)
S06s	14374	20-08	0800	Tue	127 430 5 42881 54814 38884 24421 40239 430 5 00000	AM/USB	(AB)
S06s	12936	20-08	0810	Tue	127 430 5 42881 54814 38884 24421 40239 430 5 00000	AM/USB	(AB)
S06s	4820	20-08	1000	Tue	427 906 5 82308 37829 47458 35478 36583 906 5 00000	AM	(AB-POL)
S06s	5660	20-08	1010	Tue	427 906 5 82308 37829 47458 35478 36583 906 5 00000	AM	(AB-POL)
S06s	6810	20-08	1100	Tue	265 981 7 76148 25163 22415 25821 73717 65962 57057 981 7 00000	USB	(AB-POL)
S06s	7560	20-08	1110	Tue	265 981 7 76148 25163 22415 25821 73717 65962 57057 981 7 00000	USB	(AB-POL/MPJ-AUT)
S06s	6766	20-08	1500	Tue	914 832 5 53623 02507 34465 29833 44233 832 5 00000	USB	(AB-AUT/MPJ)
S06s	7744	20-08	1510	Tue	914 832 5 53623 02507 34465 29833 44233 832 5 00000	USB	(AB/MPJ)
S06s	11530	21-08	0730	Wed	172 934 5 35944 64372 13078 10915 84612 934 5 00000	USB	(AB)
S06s	14977	21-08	0740	Wed	172 934 5 35944 64372 13078 10915 84612 934 5 00000	USB	(AB)
S06s	11565	21-08	0830	Wed	464 510 7 28571 15277 59881 64604 49656 65962 57057 510 7 00000	USB	(AB)
S06s	12560	21-08	0840	Wed	464 510 7 28571 15277 59881 64604 49656 65962 57057 510 7 00000	USB	(AB)
S06s	14580	21-08	1000	Wed	276 409 5 07414 62694 84843 81185 08844 409 5 00000	AM	(AB)
S06s	16020	21-08	1010	Wed	276 409 5 07414 62694 84843 81185 08844 409 5 00000	AM	(AB)
S06s	9255	22-08	0930	Thu	698 217 5 20534 11160 43494 37638 16070 217 5 00000	USB	(AB)
S06s	10325	22-08	0940	Thu	698 217 5 20534 11160 43494 37638 16070 217 5 00000	USB	(AB)
S06s	13145	22-08	1200	Thu	175 942 6 52401 63919 92699 14600 74248 48754 942 6 00000	USB	(AB/MPJ)
S06s	14535	22-08	1210	Thu	175 942 6 52401 63919 92699 14600 74248 48754 942 6 00000	USB	(AB/MPJ)
S06s	10290	23-08	0630	Fri	156 234 7 88620 58069 61732 74537 57440 10597 23521 235 7 00000	USB	(AB)
S06s	9655	23-08	0640	Fri	156 234 7 88620 58069 61732 74537 57440 10597 23521 235 7 00000	USB	(AB)
S06s	6844	23-08	0900	Fri	239 416 5 52401 76911 75155 92918 97067 416 5 00000	USB	(AB)
S06s	7161	23-08	0910	Fri	239 416 5 52401 76911 75155 92918 97067 416 5 00000	USB	(AB)
S06s	16320	26-08	0630	Mon	462 830 5 36944 64381 13078 10915 84612 830 5 00000	USB	(AB)
S06s	14875	26-08	0640	Mon	462 830 5 36944 64381 13078 10915 84612 830 5 00000	USB	(AB)
S06s	8221	26-08	0830	Mon	764 890 5 28571 15277 59881 64604 49656 890 5 00000	USB	(AB)
S06s	9353	26-08	0840	Mon	764 890 5 28571 15277 59881 64604 49656 890 5 00000	USB	(AB)
S06s	16381	26-08	0900	Mon	232 870 5 99446 90809 53182 34203 80686 870 5 00000	AM/USB	(AB)
S06s	14836	26-08	0910	Mon	232 870 5 99446 90809 53182 34203 80686 870 5 00000	AM/USB	(AB)

S06s	10230	26-08	1200	Mon	149 860 5 42881 54814 38884 24421 40239 860 5 00000	USB	(AB/MPJ)
S06s	12165	26-08	1210	Mon	149 860 5 42881 54814 38884 24421 40239 860 5 00000	USB	(AB/MPJ)
S06s	15945	27-08	0600	Tue	438 572 6 87378 30647 31464 40750 42433 35630 572 6 00000	USB	(AB)
S06s	16945	27-08	0610	Tue	438 572 6 87378 30647 31464 40750 42433 35630 572 6 00000	USB	(AB)
S06s	5430	27-08	0700	Tue	452 830 6 85418 31896 36053 33779 32814 47565 830 6 00000	USB	(AB-POL)
S06s	6780	27-08	0710	Tue	452 830 6 85418 31896 36053 33779 32814 47565 830 6 00000	USB	(AB)
S06s	7365	27-08	0730	Tue	427 859 6 35943 64372 13078 10915 84612 76148 859 6 00000	USB	(AB)
S06s	11655	27-08	0740	Tue	427 859 6 35943 64372 13078 10915 84612 76148 859 6 00000	USB	(AB)
S06s	14374	27-08	0800	Tue	127 430 5 42881 54814 38884 24421 40239 430 5 00000	AM/USB	(AB)
S06s	12936	27-08	0810	Tue	127 430 5 42881 54814 38884 24421 40239 430 5 00000	AM/USB	(AB)
S06s	4820	27-08	1000	Tue	427 906 5 82308 37829 47458 35478 36583 906 5 00000	AM	(AB-POL)
S06s	5660	27-08	1010	Tue	427 906 5 82308 37829 47458 35478 36583 906 5 00000	AM	(AB-POL)
S06s	6810	27-08	1100	Tue	265 981 7 76148 25163 22415 25821 73717 65962 57057 981 7 00000	USB	(AB-FIN/MPJ)
S06s	7560	27-08	1110	Tue	265 981 7 76148 25163 22415 25821 73717 65962 57057 981 7 00000	USB	(AB-FIN/MPJ)
S06s	6766	27-08	1500	Tue	914 832 5 53623 02507 34465 29833 44233 832 5 00000	USB	(AB/MPJ)
S06s	7744	27-08	1510	Tue	914 832 5 53623 02507 34465 29833 44233 832 5 00000	USB	(AB/MPJ)
S06s	11530	28-08	0730	Wed	172 934 5 35944 64372 13078 10915 84612 934 5 00000	USB	(AB)
S06s	14977	28-08	0740	Wed	172 934 5 35944 64372 13078 10915 84612 934 5 00000	USB	(AB)
S06s	11565	28-08	0830	Wed	464 510 7 28571 15277 59881 64604 49656 65962 57057 510 7 00000	USB	(AB)
S06s	12560	28-08	0840	Wed	464 510 7 28571 15277 59881 64604 49656 65962 57057 510 7 00000	USB	(AB/DPC)
S06s	14580	28-08	1000	Wed	276 409 5 07414 62694 84843 81185 08844 409 5 00000	AM	(AB)
S06s	16020	28-08	1010	Wed	276 409 5 07414 62694 84843 81185 08844 409 5 00000	AM	(AB)
S06s	9255	29-08	0930	Thu	698 698 698 00000	USB	(AB)
S06s	10325	29-08	0940	Thu	698 698 698 00000	USB	(AB)
S06s	13145	29-08	1200	Thu	175 175 175 00000	USB	(AB/MPJ)
S06s	14535	29-08	1210	Thu	175 175 175 00000	USB	(AB/MPJ)
S06s	10290	30-08	0630	Fri	156 156 156 00000	USB	(AB)
S06s	9655	30-08	0640	Fri	156 156 156 00000	USB	(AB)
S06s	6844	30-08	0900	Fri	239 239 239 00000	USB	(AB)
S06s	7161	30-08	0910	Fri	239 239 239 00000	USB	(AB)
S11a	10210	1-08	1015	Thu	470/00	USB	(AB)
S11a	6977	2-08	1020	Fri	425/00	USB	(AB)
S11a	5149	2-08	1100	Fri	378/00	USB	(AB)
S11a	12457	3-08	1850	Sat	288/00	USB	(AB/MPJ)
S11a	5082	5-08	0915	Mon	480/00	USB	(AB)
S11a	10210	5-08	1015	Mon	476/00	USB	(AB)
S11a	6977	6-08	1020	Tue	427/00	USB	(AB)
S11a	5149	7-08	1100	Wed	371/00	USB	(AB/MPJ)
S11a	12457	7-08	1850	Wed	287/34 Vnmaniye 67282 03940 91430 ... 84184 28590 52124 Vnmaniye (message repeated)	USB	(AB)

					Konets		
S11a	10210	8-08	1015	Thu	479/00	USB	(AB)
S11a	6977	9-08	1020	Fri	429/00	USB	(AB)
S11a	5149	9-08	1100	Fri	371/00	USB	(AB/MPJ)
S11a	12457	10-08	1850	Sat	287/34 Vnimanije 67282 03940 91430 ... 84184 28590 52124 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	10210	12-08	1015	Mon	477/32 Vnimanije 43730 65545 69655 ... 13100 89960 96599 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6977	13-08	1020	Tue	427/31 Vnimanije 93912 44969 02249 ... 92652 38551 62930 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5149	14-08	1100	Wed	378/00	USB	(AB)
S11a	12457	14-08	1850	Wed	286/00	USB	(MPJ)
S11a	5082	16-08	0915	Fri	487/40 Vnimanije 07975 19828 01990 ... 65142 88793 13587 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6977	16-08	1020	Fri	427/31 Vnimanije 93912 44969 02249 ... 92652 38551 62930 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5149	16-08	1100	Fri	370/00	USB	(AB/MPJ)
S11a	12457	17-08	1850	Sat	285/00	USB	(MPJ)
S11a	10210	19-08	1015	Mon	477/00	USB	(AB)
S11a	6977	20-08	1020	Tue	420/00	USB	(AB)
S11a	5149	21-08	1100	Wed	378/00	USB	(AB/MPJ)
S11a	12457	21-08	1850	Wed	284/00	USB	(AB/MPJ)
S11a	10210	22-08	1015	Thu	479/00	USB	(AB)
S11a	6977	23-08	1020	Fri	425/00	USB	(AB)
S11a	5149	23-08	1100	Fri	377/00	USB	(AB)
S11a	12457	24-08	1850	Sat	284/00	USB	(AB)
S11a	10210	26-08	1015	Mon	477/00	USB	(AB)
S11a	6977	27-08	1020	Tue	422/00	USB	(AB/MPJ)
S11a	13537	28-08	0510	Wed	???/40 Vnimanije 45188 94465 82115 ... 03277 50349 27537 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5149	28-08	1100	Wed	372/34 Vnimanije 33809 86502 75436 ... 85936 27975 78804 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12457	28-08	1850	Wed	288/00	USB	(AB/MPJ)
S11a	10210	29-08	1015	Thu	478/00	USB	(AB)
S11a	5082	30-08	0915	Fri	482/00	USB	(AB)
S11a	6977	30-08	1020	Fri	427/00	USB	(AB)
S11a	5149	30-08	1100	Fri	372/34 Vnimanije 33809 86502 75436 ... 85936 27975 78804 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12457	31-08	1850	Sat	287/00	USB	(AB)

S28	4625	11-08	1741	Sun	Buzzer channel marker	USB	(ChPa)
S30	3756	11-08	1742	Sun	Pip channel marker	USB	(ChPa)
S30	5448	15-08	0907	Thu	8S1Shch 27756 INDOL 4337 2530	USB	(Gwr)
S30	5448	15-08	0916	Thu	8S1Shch 01525 LUBOBAS 4292 8524 VZOROGRA 8163 3867	USB	(Gwr)
S30	5448	15-08	0946	Thu	8S1Shch 13257 BINORMAL' 4511 6032	USB	(Gwr)
S30	5448	15-08	1017	Thu	8S1Shch 74264 INTYeRYeSNYJ 5401 2997	USB	(Gwr)
S30	5448	15-08	1100	Thu	8S1Shch DYMOVOR 2308	USB	(Gwr)
S30	5448	15-08	1251	Thu	8S1Shch 53277 ISPYTUYeMYJ 7977 1376 BARKOPLAV 5699 9706	USB	(Gwr)
S30	5448	15-08	1349	Thu	8S1Shch 81240 NYeSKLADNYJ 4898 6944 NAPISANIYe 2891 4448	USB	(Gwr)
S30	5448	15-08	1400	Thu	dIya CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR	USB	(Gwr)
S30	5448	28-08	0853	Wed	8S1Shch 63004 VANILIN 8087 9152	USB	(Gwr)
S30	5448	28-08	1035	Wed	8S1Shch 78010 KRAYeVYeD 1959 7357	USB	(Gwr)
S30	5448	28-08	1115	Wed	8S1Shch 67081 NUTOKRIP 6618 3063	USB	(Gwr)
S30	5448	28-08	1117	Wed	8S1Shch 30535 DROChYeNA 1501 7560	USB	(Gwr)
S30	5448	28-08	1122	Wed	8S1Shch 76506 DOMOChADEC 1386 5237	USB	(Gwr)
S30	5448	28-08	1208	Wed	DMC3 49FT 8MUO 66952 32030 14214 KARABAH 1827 6833 DROSSYeL' 1827 1250 KOMYeNDANT 1827 9838	USB	(Gwr)
S30	5448	28-08	1215	Wed	8S1Shch 31214 BAZOMAK 8955 6446	USB	(Gwr)
S30	5448	28-08	1226	Wed	8S1Shch 08145 KRIPOZYuZYa 5864 8483	USB	(Gwr)
S30	5448	28-08	1309	Wed	8S1Shch 51020 INOKOZhYeZL 7546 7031	USB	(Gwr)
S30	5448	28-08	1334	Wed	8S1Shch 73313 GODOROG 9183 7716	USB	(Gwr)
S30	5448	28-08	1400	Wed	8S1Shch 70676 BUYaNOSKIF 9426 3384	USB	(Gwr)
S30	5448	28-08	1403	Wed	8S1Shch 00749 VOROVATYJ 8505 9515	USB	(Gwr)
S30	5448	28-08	1420	Wed	8S1Shch 44956 94896 91330 20594 DUNGOGIMN 1618 7351 BARSOVYJ 7154 5123 KONDYeNSACIYa 5737 5168 KONYuShNYa 7576 7821	USB	(Gwr)
S30	5448	28-08	1446	Wed	8S1Shch 57845 KYeTChUP 4880 1187	USB	(Gwr)
S32	5473	15-08	0911	Thu	Al'fa-45 85737 KRYePOPLAC 0701 4452	USB	(Gwr)
S32	5473	15-08	0921	Thu	Al'fa-45 93431 VYeTROTRUS 5904 3905	USB	(Gwr)
S32	5473	15-08	0950	Thu	Al'fa-45 55722 KARTOShKA 6465 4865	USB	(Gwr)
S32	5473	15-08	1021	Thu	Al'fa-45 41390 KISYeLYeT 1231 2545	USB	(Gwr)
S32	5473	15-08	1104	Thu	Al'fa-45 MARUN 2308	USB	(Gwr)
S32	5473	15-08	1257	Thu	Al'fa-45 43791 KORTODYeK 5171 8797	USB	(Gwr)
S32	5473	15-08	1351	Thu	Al'fa-45 25850 GASHeNYJ 0113 9772	USB	(Gwr)
S32	5473	28-08	0859	Wed	Al'fa-45 78104 ZYuJDOLOR 0639 3344	USB	(Gwr)
S32	5473	28-08	1040	Wed	Al'fa-45 89187 VINChYeSTYeR 1621 6102	USB	(Gwr)
S32	5473	28-08	1116	Wed	Al'fa-45 07895 MOTOZYeBU 3893 2946	USB	(Gwr)
S32	5473	28-08	1123	Wed	Al'fa-45 50448 ZAJMORYeJD 4323 5436	USB	(Gwr)
S32	5473	28-08	1125	Wed	Al'fa-45 48681 MASTYeROK 2145 9856	USB	(Gwr)
S32	5473	28-08	1216	Wed	Al'fa-45 41780 GLOBOID 7845 3256	USB	(Gwr)

S32	5473	28-08	1231	Wed	Al'fa-45 64664 OBYeSCYeNYeN'Ye 1124 9975	USB	(Gwr)
S32	5473	28-08	1313	Wed	Al'fa-45 93347 ZUBRYeNIYe 1221 6549	USB	(Gwr)
S32	5473	28-08	1339	Wed	Al'fa-45 72951 MOROShKA 5775 7151	USB	(Gwr)
S32	5473	28-08	1409	Wed	Al'fa-45 41921 BASKOHVAT 5748 9952	USB	(Gwr)
S32	5473	28-08	1410	Wed	Al'fa-45 35566 MEHOBRYaK 4778 8446	USB	(Gwr)
S32	5473	28-08	1435	Wed	Al'fa-45 65704 89984 BOBOPOL 4931 4621 MURAShYeYeD 6372 4204	USB	(Gwr)
S32	5473	28-08	1437	Wed	Al'fa-45 81348 22554 ZADOLZhNICA 1640 7059	USB	(Gwr)
S32	5473	28-08	1451	Wed	Al'fa-45 74862 ZAKROJShchICA 4374 7089 Same codeword and number groups as transmission from 19th August at 1252z, identifier group (27341 previously)	USB	(Gwr)
UM10	3205	10-08	1256	Sat	10-minutes net: EM4x //4075 kHz	CW	(JPL-Sib)
UM10	4075	10-08	1256	Sat	10-minutes net: EM4x //3205 kHz	CW	(JPL-Sib)
UM10	3205	10-08	1902	Sat	10-minutes net: EM4x //4075 kHz	CW	(JPL-Sib)
UM10	4075	10-08	1902	Sat	10-minutes net: EM4x //3205 kHz	CW	(JPL-Sib)
UM10	4075	20-08	2033	Tue	10-minutes net: EM4X	CW	(JPL-Sib)
UM10	3287	23-08	1959	Fri	10-minutes net: LEQA	CW	(JPL-Sib)
UM10	3287	23-08	2022	Fri	10-minutes net: LEQA	CW	(JPL-Sib)
UM10	3205	23-08	2203	Fri	10-minutes net: EM4X	CW	(JPL-KOR)
UM10	3205	24-08	1425	Sat	10-minutes net: EM4X	CW	(F5JBR-J)
UM10	3287	24-08	1500	Sat	10-minutes net: LEQA	CW	(F5JBR-J)
UM10	3205	28-08	1125	Wed	10-minutes net: EM4X	CW	(F5JBR-J)
UM10	3287	28-08	1125	Wed	10-minutes net: LEQA	CW	(F5JBR-J)
V07	13464	4-08	0300	Sun	415 415 415 1 237 90 237 90 95823 24615 79722 ... 93037 41567 96381 000 000	USB	(kalv)
V07	12164	4-08	0320	Sun	415 415 415 1 237 90 237 90 95823 24615 79722 ... 93037 41567 96381 000 000	USB	(kalv)
V07	11564	4-08	0340	Sun	415 415 415 1 237 90 237 90 95823 24615 79722 ... 93037 41567 96381 000 000	USB	(kalv)
V07	13464	11-08	0300	Sun	415 1-401/92=051	USB	(HFD)
V07	12164	11-08	0320	Sun	415 1	USB	(HFD)
V07	11564	11-08	0340	Sun	415 1	USB	(HFD)
V13	18040	22-08	0701	Thu	New Star Broadcasting station #3	USB	(AB-J)
V13	18040	23-08	0701	Fri	New Star Broadcasting Station #3. Flute tune followed by a message in Chinese	USB	(AB-J)
V24	5290	3-08	1430	Sat	K-popsong followed by a message in Korean	USB	(AB-J)
V24	5290	5-08	1430	Mon	K-popsong followed by a message in Korean	AM	(AB)
V24	5290	7-08	1430	Wed	K-popsong followed by a message in Korean	USB	(AB-J)
V26	4243	16-08	1150	Fri	Messages, Chinese voice	USB	(JPL)
V26	4243	19-08	1140	Mon	Chinese voice, callup //9054	USB	(JPL)
V26	9054	19-08	1140	Mon	Chinese voice, callup //4243	USB	(JPL)
V26	4243	19-08	1159	Mon	Chinese voice, messages //9054	USB	(JPL)
V26	9054	19-08	1159	Mon	Chinese voice, messages //4243	USB	(JPL)
V26	4243	28-08	1140	Wed	Callup in Chinese voice //9054	USB	(JPL)
V26	9054	28-08	1140	Wed	Callup in Chinese voice //4243	USB	(JPL)

V26	4243	28-08	1219	Wed	Repeat of Q26 and M95 messages in Chinese voice //9054	USB	(JPL)
V26	9054	28-08	1219	Wed	Repeat of Q26 and M95 messages in Chinese voice //4243	USB	(JPL)
V26	4243	10-08	1255	Sat	Messages in Chinese voice //9054	USB	(JPL)
V26	9054	10-08	1255	Sat	Messages in Chinese voice //4243	USB	(JPL)
VC01	4790	13-08	1910	Tue	Chinese Robot i.p.	LSB	(Phi-CHN)
VC01	4450	13-08	1940	Tue	Chinese Robot i.p. mixing with the Voice of the People and jamming	USB	(Phi-CHN)
VC01	4283	20-08	2338	Tue	Chines Robot. Freq is approx.	USB	(JPL)
VC05	4157	6-08	1920	Tue	Chinese timestamp station	USB	(MJ)
X06	9065	8-08	0741	Thu	MFA Moscow clg 561243: Russian embassy Helsinki	MFSK-6	(ES-HOL)
X06	14720	16-08	0757	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(ES-HOL)
X06	19405	16-08	0827	Fri	MFA Moscow clg 352416: Unid Russian embassy	MFSK-6	(ES-HOL)
X06	12094	16-08	0830	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(ES-HOL)
X06	10653	23-08	0844	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(ES-HOL)
X06b	9064	3-08	1242	Sat	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	9064	3-08	1244	Sat	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	10559	13-08	2003	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	10559	13-08	2005	Tue	Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	11450	21-08	0850	Wed	Sequence: 11166	MFSK-6	(ES-HOL)
X06b	12450	21-08	0946	Wed	Sequence: 11166	MFSK-6	(ES-HOL)
X06b	11450	21-08	0948	Wed	Sequence: 11166	MFSK-6	(ES-HOL)
X06b	11450	21-08	1133	Wed	Sequence: 11166	MFSK-6	(ES-HOL)
XM	4902	3-08	2201	Sat	Feedback sounds	USB	(CM2-HOL)
XPA1	10234	1-08	0710	Thu	829 829 829 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB/HFD)
XPA1	11511	1-08	0730	Thu	829 829 829 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB/HFD)
XPA1	12117	1-08	0750	Thu	829 829 829 1 00589 00102 41976 ... 79745 11882 33562	MFSK-20/10Bd	(AB/HFD)
XPA1	10234	6-08	0710	Tue	829 829 829 000 06256 00001 00000 35263	MFSK-20/10Bd	(AB)
XPA1	11511	6-08	0730	Tue	829 829 829 000 06256 00001 00000 35263	MFSK-20/10Bd	(AB)
XPA1	12117	6-08	0750	Tue	829 829 829 000 06256 00001 00000 35263	MFSK-20/10Bd	(AB)
XPA1	10234	8-08	0710	Thu	829 829 829 000 03605 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	11511	8-08	0730	Thu	829 829 829 000 03605 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	12117	8-08	0750	Thu	829 829 829 000 03605 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	10234	13-08	0710	Tue	829 829 829 000 08690 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	11511	13-08	0730	Tue	829 829 829 000 08690 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	12117	13-08	0750	Tue	829 829 829 000 08690 00001 00000 34271	MFSK-20/10Bd	(AB)
XPA1	10234	15-08	0710	Thu	829 829 829 000 08668 00001 00000 40266	MFSK-20/10Bd	(AB)
XPA1	11511	15-08	0730	Thu	829 829 829 000 08668 00001 00000 40266	MFSK-20/10Bd	(AB)
XPA1	12117	15-08	0750	Thu	829 829 829 000 08668 00001 00000 40266	MFSK-20/10Bd	(AB)
XPA1	10234	20-08	0710	Tue	829 829 829 000 06402 00001 00000 34256	MFSK-20/10Bd	(AB)
XPA1	11511	20-08	0730	Tue	829 829 829 000 06402 00001 00000 34256	MFSK-20/10Bd	(AB)

XPA1	12117	20-08	0750	Tue	829 829 829 000 06402 00001 00000 34256	MFSK-20/10Bd	(AB)
XPA1	10234	22-08	0710	Thu	829 829 829 000 01830 00001 00000 35254	MFSK-20/10Bd	(AB)
XPA1	11511	22-08	0730	Thu	829 829 829 000 01830 00001 00000 35254	MFSK-20/10Bd	(AB)
XPA1	12117	22-08	0750	Thu	829 829 829 000 01830 00001 00000 35254	MFSK-20/10Bd	(AB)
XPA1	10234	27-08	0710	Tue	829 829 829 000 04631 00001 00000 34657	MFSK-20/10Bd	(AB/DPC)
XPA1	11511	27-08	0730	Tue	829 829 829 000 04631 00001 00000 34657	MFSK-20/10Bd	(AB/Josh)
XPA1	12117	27-08	0750	Tue	829 829 829 000 04631 00001 00000 34657	MFSK-20/10Bd	(AB)
XPA1	10234	29-08	0710	Thu	829 829 829 000 04408 00001 00000 37254	MFSK-20/10Bd	(AB)
XPA1	11511	29-08	0730	Thu	829 829 829 000 04408 00001 00000 37254	MFSK-20/10Bd	(AB)
XPA1	12117	29-08	0750	Thu	829 829 829 000 04408 00001 00000 37254	MFSK-20/10Bd	(AB)
XPA2	14372	1-08	0910	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB/HFD)
XPA2	13372	1-08	0930	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB/HFD)
XPA2	12172	1-08	0950	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB/HFD)
XPA2	14864	1-08	1600	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	14364	1-08	1620	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	13464	1-08	1640	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	14372	3-08	0910	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	13372	3-08	0930	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	12172	3-08	0950	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	13825	3-08	1500	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	12125	3-08	1520	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	11025	3-08	1540	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	16167	3-08	1900	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	14663	3-08	1920	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	13923	3-08	1940	Sat	msg	MFSK-16/20Bd	(HFD)
XPA2	10278	5-08	0700	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	12178	5-08	0720	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	13478	5-08	0740	Mon	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	18059	5-08	0910	Mon	msg	MFSK-16/20Bd	(HFD)
XPA2	16093	5-08	0930	Mon	msg	MFSK-16/20Bd	(HFD)
XPA2	14874	5-08	0950	Mon	msg	MFSK-16/20Bd	(HFD)
XPA2	13825	5-08	1500	Mon	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB)
XPA2	12125	5-08	1520	Mon	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB)
XPA2	11025	5-08	1540	Mon	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB)
XPA2	14864	6-08	1600	Tue	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	6-08	1620	Tue	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	6-08	1640	Tue	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	6-08	2100	Tue	00153 00096 04838 59907 ... 03858 11871 55684 61210	MFSK-16/20Bd	(AB/HFD)
XPA2	11559	6-08	2120	Tue	00153 00096 04838 59907 ... 03858 11871 55684 61210	MFSK-16/20Bd	(AB/RL/HFD)

XPA2	10559	6-08	2140	Tue	00153 00096 04838 59907 ... 03858 11871 55684 61210	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	10278	7-08	0700	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	12178	7-08	0720	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	13478	7-08	0740	Wed	06163 00100 63542 ... 56059 34727 55173	MFSK-16/20Bd	(AB)
XPA2	18059	7-08	0910	Wed	00400 00200 58405 ... 85079 48978 61767	MFSK-16/20Bd	(AB)
XPA2	16093	7-08	0930	Wed	00400 00200 58405 ... 85079 48978 61767	MFSK-16/20Bd	(AB)
XPA2	14874	7-08	0950	Wed	00400 00200 58405 ... 85079 48978 61767	MFSK-16/20Bd	(AB)
XPA2	16219	7-08	1240	Wed	08378 00078 36820 ... 82285 24260 17025	MFSK-16/20Bd	(SP1)
XPA2	14372	8-08	0910	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	13372	8-08	0930	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	12172	8-08	0950	Thu	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	14864	8-08	1600	Thu	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	8-08	1620	Thu	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	8-08	1640	Thu	08798 00201 63738 ... 93997 91356 70777	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	10-08	0910	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	13372	10-08	0930	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	12172	10-08	0950	Sat	09173 00045 24602 ... 60801 01718 52375	MFSK-16/10Bd	(AB)
XPA2	13825	10-08	1500	Sat	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	10-08	1520	Sat	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	10-08	1540	Sat	08883 00250 34100 ... 87033 84566 70635	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	11-08	2100	Sun	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB)
XPA2	11559	11-08	2120	Sun	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB/RL)
XPA2	10559	11-08	2140	Sun	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB/RL)
XPA2	10278	12-08	0700	Mon	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	12178	12-08	0720	Mon	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	13478	12-08	0740	Mon	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	18059	12-08	0910	Mon	00506 00035 04141 ... 97471 21335 23363	MFSK-16/20Bd	(AB)
XPA2	16093	12-08	0930	Mon	00506 00035 04141 ... 97471 21335 23363	MFSK-16/20Bd	(AB)
XPA2	14874	12-08	0950	Mon	00506 00035 04141 ... 97471 21335 23363	MFSK-16/20Bd	(AB)
XPA2	13825	12-08	1500	Mon	02243 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	12-08	1520	Mon	02243 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	12-08	1540	Mon	02243 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	13-08	1600	Tue	04209 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	13-08	1620	Tue	04209 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	13-08	1640	Tue	04209 00001 00000 36654	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	13-08	2100	Tue	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB/RL)
XPA2	11559	13-08	2120	Tue	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB/RL)
XPA2	10559	13-08	2140	Tue	00143 00100 55807 ... 27846 38822 61135	MFSK-16/20Bd	(AB/RL)
XPA2	10278	14-08	0700	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB/HFD)

XPA2	12178	14-08	0720	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB/HFD)
XPA2	13478	14-08	0740	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB/HFD)
XPA2	13919	14-08	1200	Wed	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	14-08	1220	Wed	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	14-08	1240	Wed	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	15-08	0910	Thu	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	13372	15-08	0930	Thu	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	12172	15-08	0950	Thu	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	14864	15-08	1600	Thu	04036 00001 00000 34257	MFSK-16/20Bd	(MPJ)
XPA2	14364	15-08	1620	Thu	04036 00001 00000 34257	MFSK-16/20Bd	(MPJ)
XPA2	13646	15-08	1640	Thu	04036 00001 00000 34257	MFSK-16/20Bd	(MPJ)
XPA2	13919	16-08	1200	Fri	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	16-08	1220	Fri	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	16-08	1240	Fri	00404 00096 93384 ... 28587 64016 56573	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	17-08	0910	Sat	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	13372	17-08	0930	Sat	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	12172	17-08	0950	Sat	00642 00051 40881 ... 26580 40220 57751	MFSK-16/10Bd	(AB)
XPA2	13825	17-08	1500	Sat	01445 00001 00000 35655	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	17-08	1520	Sat	01445 00001 00000 35655	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	17-08	1540	Sat	01445 00001 00000 35655	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	18-08	2100	Sun	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	11559	18-08	2120	Sun	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB/Dan)
XPA2	10559	18-08	2140	Sun	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB/Dan)
XPA2	13825	19-08	1500	Mon	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	19-08	1520	Mon	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	19-08	1540	Mon	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	20-08	1600	Tue	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	20-08	1620	Tue	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	20-08	1640	Tue	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	20-08	2100	Tue	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB)
XPA2	11559	20-08	2120	Tue	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB)
XPA2	10559	20-08	2140	Tue	00339 00096 71715 ... 51517 26886 37074	MFSK-16/20Bd	(AB)
XPA2	12152	21-08	0700	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	13552	21-08	0720	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	13952	21-08	0740	Wed	00501 00096 67555 ... 06691 37049 73673	MFSK-16/20Bd	(AB)
XPA2	18059	21-08	0910	Wed	01052 00001 00000 32256	MFSK-16/20Bd	(AB)
XPA2	16093	21-08	0930	Wed	01052 00001 00000 32256	MFSK-16/20Bd	(AB)
XPA2	14874	21-08	0950	Wed	01052 00001 00000 32256	MFSK-16/20Bd	(AB)
XPA2	13919	21-08	1200	Wed	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)

XPA2	14719	21-08	1220	Wed	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	21-08	1240	Wed	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	22-08	0910	Thu	08498 00001 00000 37271	MFSK-16/10Bd	(AB)
XPA2	13372	22-08	0930	Thu	08498 00001 00000 37271	MFSK-16/10Bd	(AB)
XPA2	12172	22-08	0950	Thu	08498 00001 00000 37271	MFSK-16/10Bd	(AB)
XPA2	14864	22-08	1600	Thu	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	22-08	1620	Thu	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	22-08	1640	Thu	06596 00294 97343 ... 08767 50228 47154	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	23-08	1200	Fri	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	23-08	1220	Fri	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	23-08	1240	Fri	00451 00100 94860 ... 13670 76839 11125	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	24-08	0910	Sat	04198 00001 00000 35665	MFSK-16/10Bd	(AB)
XPA2	13372	24-08	0930	Sat	04198 00001 00000 35665	MFSK-16/10Bd	(AB)
XPA2	12172	24-08	0950	Sat	04198 00001 00000 35665	MFSK-16/10Bd	(AB)
XPA2	13825	24-08	1500	Sat	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB-FIN)
XPA2	12125	24-08	1520	Sat	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB-FIN)
XPA2	11025	24-08	1540	Sat	09161 00124 51255 ... 25161 24751 23570	MFSK-16/20Bd	(AB)
XPA2	12159	25-08	2100	Sun	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/Dan)
XPA2	11559	25-08	2120	Sun	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/Dan)
XPA2	10559	25-08	2140	Sun	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	12152	26-08	0700	Mon	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	13552	26-08	0720	Mon	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	13952	26-08	0740	Mon	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	18059	26-08	0910	Mon	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)
XPA2	16093	26-08	0930	Mon	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)
XPA2	14874	26-08	0950	Mon	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)
XPA2	13825	26-08	1500	Mon	02277 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	12125	26-08	1520	Mon	02277 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	11025	26-08	1540	Mon	02277 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ)
XPA2	14864	27-08	1600	Tue	02836 00001 00000 40255	MFSK-16/20Bd	(AB/MPJ)
XPA2	14364	27-08	1620	Tue	02836 00001 00000 40255	MFSK-16/20Bd	(AB/MPJ)
XPA2	13646	27-08	1640	Tue	02836 00001 00000 40255	MFSK-16/20Bd	(AB/MPJ)
XPA2	12159	27-08	2100	Tue	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/RL)
XPA2	11559	27-08	2120	Tue	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/RL)
XPA2	10559	27-08	2140	Tue	00639 00090 07578 ... 21325 73030 27624	MFSK-16/20Bd	(AB/RL)
XPA2	12152	28-08	0700	Wed	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	13552	28-08	0720	Wed	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	13952	28-08	0740	Wed	00186 00065 59701 ... 58146 58320 06206	MFSK-16/20Bd	(AB)
XPA2	18059	28-08	0910	Wed	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)

XPA2	16093	28-08	0930	Wed	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)
XPA2	14874	28-08	0950	Wed	07157 00042 62331 ... 64136 67179 34266	MFSK-16/20Bd	(AB)
XPA2	13919	28-08	1200	Wed	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	28-08	1220	Wed	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	28-08	1240	Wed	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	29-08	0910	Thu	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB)
XPA2	13372	29-08	0930	Thu	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB)
XPA2	12172	29-08	0950	Thu	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB)
XPA2	14864	29-08	1600	Thu	07626 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	14364	29-08	1620	Thu	07626 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	13646	29-08	1640	Thu	07626 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	13919	30-08	1200	Fri	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	14719	30-08	1220	Fri	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	16219	30-08	1240	Fri	00312 00096 73414 ... 31605 35867 00533	MFSK-16/20Bd	(AB/MPJ)
XPA2	14372	31-08	0910	Sat	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB)
XPA2	13372	31-08	0930	Sat	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB/DPC)
XPA2	12172	31-08	0950	Sat	07990 00093 04704 ... 76245 77498 62442	MFSK-16/10Bd	(AB)
XPA2	13825	31-08	1500	Sat	05528 00001 00000 37657	MFSK-16/20Bd	(MPJ)
XPA2	12125	31-08	1520	Sat	05528 00001 00000 37657	MFSK-16/20Bd	(MPJ)
XPA2	11025	31-08	1540	Sat	05528 00001 00000 37657	MFSK-16/20Bd	(MPJ)
XPB1	14918	4-08	1900	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13918	4-08	1910	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12218	4-08	1920	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11118	4-08	1930	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10218	4-08	1940	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9118	4-08	1950	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14918	6-08	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	6-08	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	6-08	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	6-08	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	6-08	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	6-08	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	14918	11-08	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13918	11-08	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12218	11-08	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11118	11-08	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10218	11-08	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9118	11-08	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14918	13-08	1900	Tue	Russian intel.	MFSK-16	(AB/Dan/RL/MPJ)

XPB1	13918	13-08	1910	Tue	Russian intel.	MFSK-16	(AB/Dan/RL/MPJ)
XPB1	12218	13-08	1920	Tue	Russian intel.	MFSK-16	(AB/Dan/RL/MPJ)
XPB1	11118	13-08	1930	Tue	Russian intel.	MFSK-16	(AB/Dan/RL)
XPB1	10218	13-08	1940	Tue	Russian intel.	MFSK-16	(AB/Dan/RL)
XPB1	9118	13-08	1950	Tue	Russian intel.	MFSK-16	(AB/Dan/RL)
XPB1	14918	18-08	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	13918	18-08	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	12218	18-08	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	11118	18-08	1930	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	10218	18-08	1940	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	9118	18-08	1950	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	14918	20-08	1900	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13918	20-08	1910	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12218	20-08	1920	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11118	20-08	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10218	20-08	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9118	20-08	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	25-08	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13918	25-08	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12218	25-08	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11118	25-08	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10218	25-08	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9118	25-08	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14918	27-08	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	13918	27-08	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12218	27-08	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11118	27-08	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10218	27-08	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9118	27-08	1950	Tue	Russian intel.	MFSK-16	(AB)
XSL	8588	2-08	0211	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	4153	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	3-08	1420	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

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AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-J	Ary Boender via remote rx Japan
AB-NZL	Ary Boender via remote rx New Zealand
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
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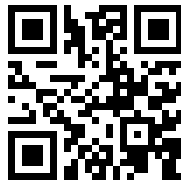
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723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98670 27601 56701 57601 73648 1
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67 87432 74328 78674 29867 32867 67867 86786 43286 86
57 68768 68763 34234 34238 68768 62342 48273 48768 23
436 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
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843 98798 98754 98754 98754 98754 29867 67543 67986 86
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