

8	27364	92836	69428	61268	74982	46498	32764	31276
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
6	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58765	58765	58765	58765	58765	58765	58765	58765

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #279, December 2020

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.



-. ..- -- -... . -- -. -. --- -. -.. .. -



HNY card courtesy of <https://nl.freepik.com/vectoren/achtergrond>

CONTENT

CONTENT.....	2
FOREWORD.....	3
INTELLIGENCE NEWS.....	3
WRMI REPORT	4
VOICE STATIONS	4
MORSE STATIONS	13
DIGITAL MODES	40
DIPLOMATIC STATIONS.....	75
UTILITY ROUND-UP	75
EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES	78
RUSSIAN MILITARY.....	84
CONTRIBUTORS.....	93
LOGS SECTION.....	94
APPENDIX.....	159
COLOPHON	161

UDXF and Numbers & Oddities

wish you and your families a healthy and great new year

Welcome to the last N&O of 2020. It's New Years Eve when I'm writing this. The last day of a weird and sometimes frightening year. COVID and unrest are everywhere. We had two complete lock downs this year. With restrictions in place our holiday celebrations were different and I haven't seen most of my relatives and friends this year. I regret that very much. Vacations were cancelled and a number of my family and friends were infected by the virus and got sick and one of them died. Almost 30 people in my neighbourhood died from COVID, and there are still people who say that COVID doesn't exist. Yeah, right dream on ☹ It is a very nasty virus, so please, be careful !!!



On the bright side, many of us, including me, had more time for the radio because of all the lock downs and restrictions. So what did we hear in December?

- The mystery station that we heard in November on 8134 kHz, transmitted 5 more days in December and stopped.
- The “training” schedules of E06, G06 and M14 disappeared. They were last heard in November.
- Russian fixed daily F06 schedules (link 70202) were replaced by link 00000 and M14 during a couple of days and returned on December 10th.
- The fixed daily F01 schedules also skipped three days and returned on December 10th.
- HM01 was still in repeat mode, repeating the groups and files of October 9th.
- The Russian military were very active and Gwraspe logged many flash and monolith messages from the Western and Southern military district stations.
- WRMI (Radio Miami International) acted as a numbers station for one day.
- The Russian-Ukrainian radio war is still going on, mainly on 7055 kHz LSB.
- Although M51a, M41b and M22 are daily on the air we seen not many logs, so I included several messages this month.
- The PROMRÖ messages are still daily on the air. Who or what they are is still unknown. Further info is welcome!
- V28 was reported for the first time since September, so they are still active !
- As usual, the logs and many transcripts can be found in N&O.

I would like to thank everyone who contributed to Numbers & Oddities and UDXF in 2020. Thanks for sharing your logs and information. I am especially grateful to Jim, Ron and Paolo for their assistance.

By request of several listeners, who are new to the numbers stations hobby, I have included an Appendix with the designators and some additional information.

INTELLIGENCE NEWS

Russian spies in the Netherlands

Earlier this month the Dutch AIVD – Algemene Inlichtingen- en Veiligheidsdienst (General Intelligence and Security Service) disrupted Russian spy activities in the Netherlands. Two Russian SVR intelligence officers, who worked at the Russian Embassy in The Hague as diplomatic was active in the field of science and technology espionage. The AIVD has expelled both men. You can read the full article on the [AIVD website](#).

George Blake has passed away

George Blake (born George Behar, 11 November 1922 – 26 December 2020) was a British spy who worked as a double agent for the Soviet Union. He became a Communist and decided to work for the KGB while a prisoner during the Korean War. Discovered in 1961 and sentenced to 42 years in prison, he escaped from Wormwood Scrubs prison in 1966 and fled to the Soviet Union. He was not one of the Cambridge Five spies, although he associated with Donald Maclean and Kim Philby after reaching the Soviet Union. Blake died on December 26th. See further https://en.wikipedia.org/wiki/George_Blake

Jonathan Pollard

Former American naval analyst Jonathan Pollard arrived in Israel early Wednesday with his wife after spending 30 years in prison for spying for Israel, a case that caused friction for years between the two close allies. Mr. Pollard and his wife Esther were greeted at the tarmac by Israeli Prime Minister Benjamin Netanyahu, who handed them their national I.D. cards as they descended from the plane. Full story: <https://www.wsj.com/articles/jonathan-pollard-convicted-spy-in-u-s-arrives-in-israel-1160931197>

WRMI REPORT



WRMI report by MDK2

WRMI , Radio Miami International, broadcasted a one-day-only special to promote a new combat video game called Black Ops: Cold War (part of the Call of Duty series). The game's creators sent out promotional packages that included a Tecsun PL-880 portable receiver and instructions to tune it to 7570 and 17790 kHz on December 7th between 1300 and 1700 UTC. The transmissions included WRMI's shortened interval signal, station announcements in Russian and series of 5-figure groups in English and Russian.

Number groups came with repeats during the following times, with the first three notes of the interval being repeated three times between each reading by a female in English with a Russian accent:

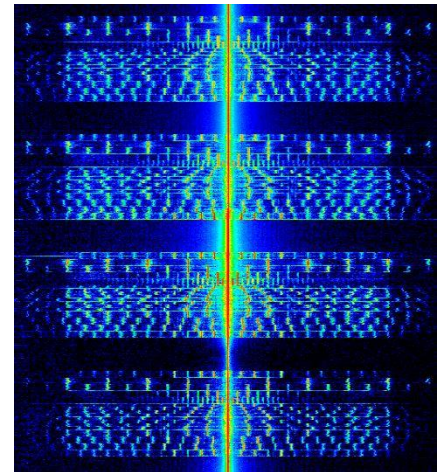
1500-1600	15868 55333 09677 759292
1600-1630	03023 24776 67317 99775 98652 01394
1630-1650	54003 46225 79659 07313 91490 37878
1650-1705	20831 49801 43606 54506 67124 16976
1705-1715	numbers in Russian: 14321 78598 98275 84361
1715-1720	numbers in Russian: 50737 50791 88377 70595 51082 08086
1720	WRMI station ID in Russian
1720-1759	Back to the interval, with final WRMI station ID in Russian

Related video's

<https://www.youtube.com/watch?v=8LZW85n8L1s&t=279s>

<https://www.youtube.com/watch?v=OKiaozWIY5g>

<https://www.youtube.com/watch?v=16LvcWBxbzc>



interval signal

Thanks to MDK2 I was able to make a [compilation of all the transmissions](#).

VOICE STATIONS

E06

14575 kHz, 03-12/04-12, 0600 UTC

17420 kHz, 03-12/04-12, 0700 UTC

923 574 61

32888 89374 36671 97125 42412 24758 45282 63006 07727 39779

07071 27529 19081 94451 40929 54268 14926 58929 62150 17325

28925 92332 95315 59500 49573 84563 02118 25175 53338 65787

47570 85083 97287 13336 53020 95171 82117 10514 09434 56718

21528 37340 49354 69923 78894 97570 01004 98131 57145 11887

72940 84893 52816 31879 42726 81041 10188 54522 48034 43981

36472

574 61 00000

14575 kHz, 17-12/18-12, 0600 UTC

17420 kHz, 17-12/18-12, 0700 UTC

923 854 61

64261 62147 77668 19754 53685 71348 77179 06210 37403 81812

62196 61482 98197 75426 15862 44815 24938 34790 17463 59057

38972 77170 80945 87010 94611 50662 04476 82948 55491 09745

16960 49005 95246 12415 32490 51112 95946 06101 48619 54169

42714 94517 49440 81148 37980 02685 99371 25801 83798 82259

38617 73692 05674 24403 16210 11169 16317 72341 21601 27070

42794 854 61 00000

E07

14364/14964/15964 kHz, 01-12/04-12, 0700/0720/0740 UTC

399 399 399 1 9417 92 9417 92
38221 25085 70727 77895 11972 20960 57200 15769 33931 64618
37398 15237 57926 00374 60711 63983 74701 55415 35040 66369
07904 90682 38507 88796 16234 87036 32015 08319 58782 45896
62200 15997 04059 68536 91803 25990 83306 99036 53402 18009
55739 23610 89964 85101 75935 12221 78784 66376 01599 73577
01235 17145 87589 48799 48971 18961 81977 12918 02393 66933
25635 49569 41296 68198 50932 73305 03595 08022 31185 03245
16725 73562 85095 85216 40615 09164 83293 07336 56885 58583
94147 23080 06253 85205 77898 63146 38220 65228 51807 83255
93171 29481 000 000

6823/5823/5123 kHz, 14-12/16-12, 2000/2020/2040 UTC

881 881 881 1 438 93 438 93
01260 54326 13926 03236 52868 54058 45280 79575 96279 37334
55340 30895 73926 42940 12733 66826 11176 90024 41935 39657
59499 53520 66104 63663 52844 13145 01139 63333 89031 34334
73298 88551 61693 51059 87497 23421 14383 72112 24938 62236
61628 41073 12855 73160 46161 66877 33695 34319 01332 64278
18840 80661 47841 20606 80845 09368 74716 13802 61429 72857
46665 54844 91730 73120 58643 02279 46539 24535 26721 80610
27286 49986 69625 62615 72754 09326 05622 77132 16798 61569
38704 78604 37053 01554 10967 53627 12913 28925 15531 84901
87719 68411 62096 000 000

14364/14964/15964 kHz, 15-12/18-12, 0700/0720/0740 UTC

399 399 399 1 137 58 137 58
62714 85751 26106 35511 17554 32879 47764 81842 39314 80705
88631 07799 38857 36308 19457 75947 72428 63544 34656 17962
01697 19268 72955 78679 16976 99263 23683 51716 80311 42037
93943 53474 52256 64798 60621 10915 89268 68108 03210 81141
35820 83013 43112 10538 34509 06538 82187 11924 24521 88259
58373 08065 10621 32767 29931 30171 37452 92961 000 000

10226.9/9226.9/8126 kHz, 17-12, 1410/1430/1450 UTC. 1410 and 1430 UTC were off frequency

10226/9226/8126 kHz, 19-12, 1410/1430/1450 UTC

674 674 674 1 381 25 381 25
30493 92925 57994 03968 33304 64403 65234 91332 45117 85804
77737 12223 89502 85375 38663 18039 22852 81868 51460 64443
52757 26389 91906 16608 54184 000 000
1410 and 1430 were off frequency

E11a

7840 kHz, 01-12, 0945 UTC

517/32 Attention
34165 38653 64847 84218 86652 22823 47246 48365 22746 76041
14235 15530 98475 26219 23415 38482 11873 36198 92099 39581
06240 93834 78515 94825 49882 07784 29961 90213 88849 89130
48134 21884
Attention (message repeated) Out

5344 kHz, 01-12/06-12, 1605 UTC

238/36 Attention
64444 71174 66674 74956 14726 74510 91571 48230 31267 32769
37874 66080 56019 96741 17975 03835 27358 95380 26676 82745
89449 98236 49516 89449 18186 86977 74253 03099 32551 20998
96596 56321 25573 75081 37871 16920
Attention (message repeated) Out

5779 kHz, 03-12, 0315 UTC

256/37 Attention

72630 82265 13260 85933 64434 58269 76325 35446 03154 33725
33026 43599 60734 40966 11975 67044 41477 37572 29311 38157
78403 66784 63859 36537 87617 26233 78836 30657 00340 82174
48958 02428 48434 44067 83853 55616 44096

Attention (message repeated) Out

7840 kHz, 03-12, 0645 UTC

517/32 Attention

34165 38653 64847 84218 86652 22823 47246 48365 22746 76041
14235 15530 98475 26219 23415 38482 11873 36198 92099 39581
06240 93834 78515 94825 49882 07784 29961 90213 88849 89130
48134 21884

Attention (message repeated) Out

5149 kHz, 03-12, 0820 UTC

432/40 Attention

04931 16525 89978 23659 23610 03677 39644 85673 92119 75900
88967 11649 47187 17166 42880 11628 67467 01215 21025 04581
51945 15461 14311 66006 66530 43512 37375 65481 15148 73793
00099 03047 79914 96606 75567 41174 91412 23982 63366 80145

Attention (message repeated) Out

10213 kHz, 07-12, 0745 UTC / 5409 kHz, 10-12, 1530 UTC

264/39 Attention

22901 54800 20028 97004 58874 92291 11951 02016 71538 61726
92062 41969 04734 19953 92850 86417 79207 91797 84338 10096
57292 66086 10402 62042 99046 92682 40548 61236 66798 89408
47544 97381 25308 38103 92733 33518 83742 47441 54633

Attention (message repeated) Out

12067 kHz, 07-12/09-12, 0845 UTC

718/38 Attention

67278 16944 74471 19771 50515 94914 61234 89052 01904 73188
55349 67532 11739 88074 95284 52121 68762 77561 35762 11122
58772 60498 31164 45318 05406 32830 77049 04914 74791 60924
91101 53871 99041 83912 51001 92882 12041 05816

Attention (message repeated) Out

8597 kHz, 07-12/09-12, 0900 UTC

536/35 Attention

77316 08191 72873 40905 48442 53453 64615 97568 82542 42895
45983 29021 91753 86989 67956 47725 25061 79833 40918 06544
04386 85941 23529 11264 54955 20857 54105 78583 71211 92913
27875 95750 04463 23782 88101

Attention (message repeated) Out

6849 kHz, 07-12/10-12, 1900 UTC

647/34 Attention

61756 74167 39681 31721 05167 35336 29824 34019 69605 20541
26794 00505 71177 27032 16582 15754 31438 58784 38783 23393
27884 82677 02872 66950 87504 26984 19830 33052 07275 08524
87548 06000 63935 91576

Attention (message repeated) Out

13908 kHz, 08-12/10-12, 0745 UTC

225/33 Attention

85787 19895 08532 07416 19545 82673 31473 96440 81982 29500
38246 80558 82981 67990 08675 75888 74280 24201 28748 18479
05299 41731 73077 42504 31423 18616 47079 15576 35070 86366
13784 08818 97150

Attention (message repeated) Out

14611 kHz, 08-12/09-12, 0820 UTC

132/31 Attention

13335 81037 56091 26853 38463 30469 55498 35476 46358 99842
59015 50129 07716 19457 87103 82912 89219 80092 14292 49402
58409 41157 93300 66481 72367 16516 58293 80095 74420 06456
77731

Attention (message repeated) Out

13363 kHz, 08-12/13-12, 1345 UTC

912/36 Attention

83254 54368 86731 30162 29232 44217 32690 49725 49326 98759
22666 20273 05105 81538 81432 50453 89731 39201 16315 88034
88908 62697 42122 96146 98449 43187 87834 23012 30835 00282
15648 47181 94903 01231 18065 64628

Attention (message repeated) Out

6849 kHz, 11-12/13-12, 1650 UTC

920/37 Attention

08321 26708 72864 88205 29109 87104 50518 46412 59558 71189
32285 13414 23418 50159 25941 51102 21396 10014 71135 30536
27315 12293 36772 47547 34731 55292 49166 21157 16898 22067
66875 13241 51563 02904 07948 32669 95108

Attention (message repeated) Out

4505 kHz, 12-12/13-12, 0710 UTC

492/37 Attention

03581 81780 60744 79812 00228 95532 26149 80168 79499 12811
97489 33140 13834 13523 78826 44500 64602 13419 60069 29578
17303 95496 44560 86694 73398 23581 29187 08250 32514 59222
03366 51623 55767 08916 98556 45952 14169

Attention (message repeated) Out

4909 kHz, 12-12/13-12, 1930 UTC

360/34 Attention

16237 38538 33573 30633 71874 65117 85657 08258 98804 38699
52404 61961 64502 38319 57547 30788 27049 84505 49436 30048
34684 28295 78395 16409 24166 02606 53288 90697 28216 94353
09472 31722 80957 28373

Attention (message repeated) Out

11450 kHz, 14-12/16-12, 0640 UTC

948/36 Attention

05307 61319 25295 43967 91302 77869 82139 17607 97373 23119
77904 14905 06382 05307 96165 56872 83637 01034 75210 27470
81195 25170 37831 68462 28163 37358 38148 31941 05609 29304
79618 39843 28335 30675 97299 31577

Attention (message repeated) Out

12424 kHz, 14-12/18-12, 0830 UTC

188/34 Attention

35771 75484 38771 08708 86840 95183 87681 49048 10138 09405
61711 03598 94772 63830 80214 75357 79279 47607 33521 95951
39762 64187 93259 13263 04945 60664 36943 86246 33547 30829
08248 08860 76862 34580

Attention (message repeated) Out

7984 kHz, 14-12/16-12, 1045 UTC

691/34 Attention

22143 72841 31490 83179 39172 39087 58359 18481 83431 69435
93745 94205 41467 94040 95956 26357 25284 06049 41839 10994
75527 73464 67701 28571 13552 78516 70292 29568 72944 91599
98288 08022 57417 47330

Attention (message repeated) Out

12924 kHz, 14-12/20-12, 1745 UTC

248/33 Attention

92954 97425 96374 41929 21980 34118 96532 16936 79848 88707
17475 86608 46283 95158 08696 85819 60471 17244 29729 57964
31131 78052 47923 00230 99497 05866 54655 50030 54768 21161
45372 02059 37941

Attention (message repeated) Out

9130 kHz, 15-12/18-12, 0715 UTC

630/32 Attention

96601 35814 85855 26825 83071 69111 34224 21211 71602 97650
58901 99298 09201 80488 62618 81537 40423 08169 64755 36773
48299 85734 29889 13455 28190 01932 87871 27252 27594 02937
01687 28725

Attention (message repeated) Out

8597 kHz, 15-12/18-12, 1000 UTC

306/32 Attention

87878 70143 11403 36668 74781 18601 08141 52081 59676 61754
56896 53949 62608 12873 90315 56717 58038 51693 55403 03968
75978 08531 82804 41114 18577 33394 44163 91234 01496 68461
37098 97415

Attention (message repeated) Out

6433 kHz, 15-12/16-12, 1205 UTC

461/34 Attention

17116 43613 46897 59800 57669 44856 69307 40977 64095 44568
10796 34403 60683 28905 76646 63773 54213 91087 49851 84805
31386 70296 66958 52981 50438 87379 83303 21662 90766 86231
89610 12831 10495 53467

Attention (message repeated) Out

17378 kHz, 16-12/18-12, 0745 UTC

343/34 Attention

22027 55177 93980 59195 60191 87401 50965 51461 54979 75538
80263 48841 22378 10554 42846 49792 58674 13564 77506 91540
95726 28531 70679 14902 29568 33849 10747 82184 87149 19784
77548 81881 95634 86434

Attention (message repeated) Out

4505 kHz, 16-12/19-12, 1705 UTC

395/39 Attention

85380 93509 54304 00179 35604 34266 14526 05455 71830 76360
91331 62898 79743 91463 74320 38788 51324 99764 39061 87118
65268 03563 82188 78553 01791 06459 75366 23381 84448 38759
23435 68197 41014 65100 13607 18151 74407 65267 26227

Attention (message repeated) Out

10487 kHz, 18-12/20-12, 1910 UTC

616/33 Attention

85338 19092 22514 73975 19793 98813 24406 03703 49212 32001
38145 99807 11868 55447 03548 87525 36384 75305 84968 06712
99899 70481 58238 02888 51893 18334 07440 81692 62246 18076
41680 95926 84517

Attention (message repeated) Out

5082 kHz, 21-12/25-12, 1530 UTC

522/33 Attention

88174 95501 45305 10633 57456 55318 89626 07529 26010 27024
79835 83803 19384 57586 51842 79476 60034 00249 96162 93997
62111 27795 59579 25615 73063 06940 40156 28819 85358 19463
12637 21545 38121

Attention (message repeated) Out

5779 kHz, 21-12/24-12, 1730 UTC

411/33 Attention

13454 87110 18874 28920 63720 13097 49175 81477 25729 26063
72591 90562 42935 85781 62534 74099 64747 97026 37514 76231
98841 62178 33499 12563 72913 23338 01045 59030 73714 45515
98634 96967 70969

Attention (message repeated) Out

6804 kHz, 22-12/25-12, 0700 UTC

571/32 Attention

15314 93517 86082 02770 72487 25853 36788 32426 73464 77028
84915 29922 71479 07644 72703 66670 81844 36303 43665 56227
77707 58155 94531 84229 36575 29612 90385 51981 09638 21362
04270 15064

Attention (message repeated) Out

12089 kHz, 22-12/24-12, 0845 UTC

150/30 Attention

43762 11690 78286 91892 12048 51161 39666 95850 15306 70824
03239 56919 69829 57866 10353 10219 30168 88936 63521 66469
91703 71094 48056 88195 53898 00973 22637 57734 99160 57055

Attention (message repeated) Out

7469 kHz, 23-12/24-12, 0930 UTC

271/36 Attention

85440 17850 51261 65616 28119 20599 91425 94971 33681 57911
27796 77047 69704 19262 11283 54987 22059 85970 61795 56960
38654 39743 44278 03817 74682 91565 23704 58323 07073 32142
71351 30743 95743 08060 55289 21295

Attention (message repeated) Out

5082 kHz, 23-12/27-12, 1625 UTC

974/40 Attention

06893 05646 53840 68105 96585 94617 89341 58618 17342 68517
66986 06595 70987 47964 98244 53823 22971 94168 22344 38717
26335 28224 97557 76847 73507 45725 47927 02103 10621 62275
35519 74419 22852 76352 93319 22761 42174 17085 54791 52962

Attention (message repeated) Out

4909 kHz, 26-12/27-12, 0805 UTC

310/39 Attention

35775 06254 15882 12830 59756 68920 96642 14718 42988 77252
53251 05073 07682 21242 32848 11013 71978 43050 14604 36209
06770 34901 80225 18420 10036 25672 43644 56471 70859 35913
67179 61380 83681 07407 64219 25088 96734 87844 52912

Attention (message repeated) Out

E17z

11170/9820 kHz, 03-12, 0800/0810 UTC

217 460 5 35820 78985 08200 27869 79444 460 5 00000

11170/9820 kHz, 17-12/24-12, 0800/0810 UTC

217 469 5 24236 84028 82278 06280 25826 469 5 00000

11170/9820 kHz, 31-12, 0800/0810 UTC

217 217 217 00000

S06

8014 kHz, 08-12, 1330 UTC / 6979 kHz, 08-12, 1400 UTC

910 785 13

10224 96676 12619 80576 35825 35574 07949 43358 40064 06777

05700 99282 48023

785 13 00000

7378 kHz, 18-12, 1900 UTC / 5097 kHz, 18-12, 2000 UTC

452 103 46

03841 34520 33440 49283 86437 85490 52700 90509 02571 83362

64368 22925 13578 04968 19987 59453 93487 64147 03932 74200

89150 27627 16410 14496 90060 73770 53695 31756 08272 06031

94561 21010 75520 58413 32806 14290 13543 40279 35839 64826

51436 11876 68411 27645 76007 76388

103 46 00000

6792 kHz, 26-12, 1300 UTC / 5380 kHz, 26-12, 1330 UTC

9463 kHz, 27-12, 0930 UTC / 7377 kHz, 27-12, 1000 UTC

480 135 44

38242 46045 16619 94601 82040 46795 69921 55941 15903 64313

91653 67421 97700 61483 28452 43208 78646 87173 43262 04309

72604 93390 46472 76509 47464 91755 34140 31170 87099 87476

50135 80378 77662 36926 77384 32258 43795 81190 22191 26184

16869 81013 09636 99271

135 44 00000

S06c

13509 kHz, 08-12, 1100 UTC 11031

11457 kHz, 08-12, 1110 UTC 11031

S06s

7490 kHz, 04-12, 0950 UTC 698 698 698 00000

7764 kHz, 04-12, 1000 UTC 698 698 698 00000

8076 kHz, 04-12, 1010 UTC 698 698 698 00000

9143 kHz, 04-12, 1020 UTC 698 698 698 00000

10128 kHz, 04-12, 1030 UTC 698 698 698 00000

S11a

9057 kHz, 07-12/08-12, 0510 UTC

654/37 Vnimanaye

23084 51800 93060 52747 81232 24979 45071 94269 26181 24775

89808 52734 61673 99404 36386 41419 40537 61872 70251 03010

37450 98567 45539 63170 94985 99926 15785 22010 50520 67251

36818 56332 77313 25873 83232 10786 84908

Vnimanaye (message repeated) Konets

12153 kHz, 07-12/09-12, 0715 UTC

381/32 Vnimanaye

91058 04799 11316 50810 07249 28424 17071 07422 15246 64013

18983 25422 92735 62708 32494 16007 84583 60158 26440 27004

64548 65689 68849 04639 44240 38579 39285 91418 99661 42408

82745 32876

Vnimanaye (message repeated) Konets

5371 kHz, 09-12, 1135 UTC

370/00 ended as usual, then restarted 370/00 370/00 3 then off

4242 kHz, 11-12, 0915 UTC

487/32 Vnimanije

34863 63278 48262 72606 71481 96265 16575 44284 51122 81411
26196 97102 11074 26564 48759 41596 43137 97839 12753 76713
07473 64339 13451 19304 17513 61645 16514 15404 28919 65961
10504 55097

Vnimanije (message repeated) Konets

9050 kHz, 14-12/17-12, 0700 UTC

471/33 Vnimanije

13351 36896 67883 26417 89245 79363 79720 08364 46767 88521
37046 56920 16554 15619 53077 71591 82151 61862 81697 34145
94740 94451 52036 25243 46688 37179 37429 72169 90557 71032
32723 34021 74370

Vnimanije (message repeated) Konets

11486 kHz, 16-12/19-12, 1850 UTC

288/37 Vnimanije

91468 49190 65496 24411 93822 80591 49282 83935 50634 98402
70877 93560 84685 40223 49404 76890 52869 78609 15709 53288
04479 50263 82562 91207 97204 15663 11066 34632 66636 25907
00714 47284 87988 65703 73624 09864 44627

Vnimanije (message repeated) Konets

8102 kHz, 22-12/25-12, 1020 UTC

421/35 Vnimanije

21603 63213 70864 36553 47472 59860 92117 22509 57946 53612
45965 62661 13432 48141 37905 69848 37674 44602 03368 54460
55380 02510 71751 12536 94085 17412 68402 45010 82906 73974
02452 36813 33675 23437 01743

Vnimanije (message repeated) Konets

5371 kHz, 23-12/25-12, 1135 UTC

373/33 Vnimanije

87063 13241 38217 70260 97868 95648 08343 25725 71078 59496
45556 77364 48856 31434 59807 51912 09155 63144 01458 28000
30259 87877 64990 05800 15222 12606 32001 32365 14325 62712
23501 69598 79202

Vnimanije (message repeated) Konets

V07**11594/10794/10194 kHz, 06-12, 0100/0120/0140 UTC**

571 571 571 1 5557 124 5557 124

71222 36430 37553 24985 67454 78524 86437 81945 23282 53605
09376 44414 21672 55954 54260 21379 14975 17327 41315 90564
62915 51990 45055 00287 84570 49335 54646 53091 85529 61885
56043 54279 45877 17069 61875 58424 58961 34255 97992 51307
40923 21158 35406 58400 40845 70451 51857 62603 63544 44408
72609 06393 70640 34896 79434 20617 02000 20899 83350 89388
94101 32001 08238 91299 83344 41465 41124 64998 70278 29909
12984 12070 60593 23719 42710 92583 12496 75984 14012 35410
55608 46353 22912 10052 19400 53953 96242 63183 45376 71163
52447 11577 06541 17752 87684 06412 44712 64002 43955 49683
12884 15211 05417 45049 02273 92875 83441 95140 94563 96415
53619 58380 43586 51046 20281 09291 13948 00177 06826 07366
13393 81111 14528 89840 000 000

11594/10794/10194 kHz, 13-12, 0100/0120/0140 UTC

571 571 571 1 9053 130 9053 130
 03062 49373 10475 30477 32444 94708 23345 90463 31705 01573
 32192 03829 90098 87501 61814 36279 69303 55828 89019 09809
 62789 24708 98263 34517 27318 08228 75513 36574 92512 82068
 77307 53806 32903 44467 92468 16152 01481 65525 93363 66381
 42515 46036 56152 34097 54049 75586 89814 02781 69589 05923
 04904 26310 97681 95639 77062 36527 02111 46231 28623 26194
 00422 32362 22442 99686 77144 84758 48320 12771 27912 27844
 68585 83170 97388 44882 24214 49318 85325 57166 88729 92214
 24321 78768 62747 11199 31757 99943 13375 73917 01863 27432
 90264 65742 77606 12070 74828 93133 11783 54913 50642 40288
 78842 43964 08115 12139 83310 96256 26190 20836 54041 87671
 20251 39580 07047 17513 50431 29575 13321 58367 50332 86638
 68390 18707 29830 70720 07210 89532 97558 55673 04831 78985
 000 000

11594/10794/10194 kHz, 20-12, 0100/0120/0140 UTC

571 571 571 1 345 116 345 116
 79924 21629 46853 51524 79480 75289 60161 83776 20185 80714
 12275 91954 13331 85003 75372 09143 49336 25297 40604 69416
 71359 23693 04675 12313 13340 32663 83919 56576 72335 94611
 54423 75844 72696 30249 07736 82837 87030 86520 51519 82939
 34050 31453 38407 86652 06835 78107 53231 44865 89921 59410
 49192 22233 15206 46008 39319 09134 56785 70521 71391 27072
 55646 59942 55657 31272 95519 00694 27472 24723 06441 50721
 22427 86590 26184 95467 45543 30168 36860 41025 44112 46318
 08560 24206 04060 70635 27428 93335 67379 81589 89545 39731
 04815 76216 46916 91556 99902 24335 03614 67528 26707 48417
 13635 15493 65928 07787 02279 28803 75454 51354 29634 93392
 41867 62125 08590 37358 38193 26293 000 000

11594/10794/10194 kHz, 27-12, 0100/0120/0140 UTC

571 571 571 1 7457 80 7457 80
 95019 37112 34441 83555 78678 18882 05377 09593 55738 76531
 53790 86233 83074 73542 86750 11044 05973 32207 57045 59654
 08234 20560 69622 93008 24073 43121 26120 36041 62637 22239
 69580 22150 55012 35517 56316 54656 16112 17389 29011 10770
 38453 30382 11201 17010 67200 90665 32875 97998 53927 09277
 82672 33016 74429 98374 69551 23253 76376 95825 82614 31657
 34411 46402 76552 26204 91060 56963 73411 95530 86833 95308
 26944 11490 30570 22040 20553 18846 45140 81531 87880 50425
 000 000

V28

2957 kHz, 10-12, 1304 UTC Parrot. Messages in Korean
 3048 kHz, 10-12, 1304 UTC Parrot. Messages in Korean
 3518 kHz, 10-12, 1304 UTC Parrot. Messages in Korean

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

7763 kHz, 24-12, 0734 UTC, USB Chinese Robot i.p.

MORSE STATIONS

M01

4490 kHz, 01-12, 2000 UTC

197 991 991 30 30
31068 53837 65955 31582 04672 18155 96942 60032 89479 25445
48278 54507 22512 18363 01410 88358 32458 85353 72134 08391
25638 63306 81769 82749 49501 50776 03687 09322 82416 34155
= = 991 991 30 30 000

4490 kHz, 03-12, 2000 UTC

197 449 449 30 30 = =
53723 05665 79702 72212 93943 32516 01978 80672 34164 28957
99448 22317 87176 99081 40784 79030 74906 38172 41996 75757
01362 54576 53780 78171 29038 86934 09684 17271 55967 85238
= 449 449 30 30 000

5465 kHz, 06-12, 0700 UTC

197 588 588 30 30 = =
62067 95934 40210 57724 65711 83991 06746 80419 20824 88345
66692 78878 13154 88741 78469 90489 16728 33857 28439 67204
03976 14936 35000 79945 03919 51667 08925 68013 80922 38916
= = 588 588 30 30 000

4490 kHz, 08-12, 2000 UTC

197 296 296 = 30 30 = =
89754 75706 87131 60440 20499 29428 92529 73205 74210 89626
34550 52373 84590 14591 74166 48258 72882 62016 82813 22552
26199 43579 68170 01465 03309 06110 73202 48749 50594 19881
= = 296 296 = 30 30 000

5465 kHz, 13-12, 0700 UTC

VVV VVV VVV at 0650z.
197 (R) stopped at 0702z. Restart at 0703z
The operator sent almost the complete message as one string. No spaces.
Errors in the preamble and postamble. Groups 5 and 6 were sent once.
197 371 30 = =
58519 36949 29492 33172 10914 27988 26864 62927 10034 98931
89536 50525 71306 59185 42934 73544 96399 89571 09493 52590
43174 55733 71833 92905 81047 21988 13553 67426 62269 88296
= 371 371 30 000

5320 kHz, 15-12, 1800 UTC

197 311 311 30 30 = =
65700 19198 05326 25375 91769 22411 56646 85502 95840 98754
02415 28096 65959 97837 83518 32287 91324 67643 75820 92814
99484 61038 93845 83262 87418 16852 39033 56994 38971 81132
= = 311 311 30 30 000

4490 kHz, 15-12, 2000 UTC

Group 22 was sent once
197 737 737 30 30 = =
22868 17133 12296 11202 01175 59502 18115 14515 17290 68172
65223 28403 52526 06778 81882 75349 16224 14554 63117 05863
39677 22882 91221 30748 16869 71065 92420 99977 25608 39463
= = 737 737 30 30 000

5230 kHz, 17-12, 1800 UTC

Errors, incomplete groups

197 541 541 30 30 = =
38333 24236 03393 92947 50146 71978 54352 84810 85033 46734
09072 32588 71981 50964 42215 01133 55623 67778 72130 27692
10019 37686 05053 12841 02886 80136 93435 83044 42419 06640
= = 541 541 30 30 000

4490 kHz, 17-12, 2000 UTC

Errors incomplete groups. Different repeat in red

197 532 532 30 30 = =
95459 19449 11476 58441 53266 96480 52815 86445 33026 36220
26831 13482 75173 22578 75691 78899 66220 05456 36288 20237
83391 38765 15603 94162 73014 74014 65506 04614 04210 20735 12483
= = 532 532 30 30 000

5810 kHz, 19-12, 1500 UTC

197 317 317 30 30 = =
20058 60558 82246 62625 00431 45833 26159 14771 17494 12856
55983 17968 90018 88636 86845 07537 43439 18940 89853 27870
35635 21002 04189 17270 53056 12981 91309 33189 18992 55835
= = 317 317 30 30 000

5320 kHz, 22-12, 1800 UTC

197 074 074 30 30 = =
98195 32415 93011 62325 63504 48412 72377 65750 11103 74162
44533 07741 08869 41699 46113 46745 77744 16992 94037 00220
14756 90850 09899 97389 55998 36170 66447 47971 14533 03148
= = 074 074 30 30 000

4490 kHz, 24-12, 2000 UTC

197 475 475 30 30 = =
52054 02294 43965 14253 52654 38336 12826 40249 86316 06712
41179 14420 14234 49568 74598 19351 66972 98385 54709 40887
21824 61841 61468 26594 58586 05065 36277 06678 05400 76097
= = 475 475 30 30 000

5810 kHz, 26-12, 1500 UTC. Error in red

197 926 926 30 30 = =
90940 98388 93132 80292 9617 96176 23219 64748 39903 33137 60838
45488 48299 37086 49375 36532 44347 26216 01890 66071 69876
39272 29683 35202 66737 13205 18879 75604 40506 90718 95258
= = 926 30 926 30 30 000

5465 kHz, 27-12, 0701 UTC

197 101 101 30 30 = =
90045 50019 42610 39610 52707 92306 49137 21387 52605 08609
51698 52798 09296 75054 89493 79957 81537 47902 76686 49618
15939 53490 81877 27822 94923 48876 57859 37404 70254 92529
= = 101 101 30 30 000

5320 kHz, 29-12, 1800 UTC

Errors in red. Group 15 was sent 1x. Group 25 was sent 3x

197 743 743 30 30 = =
45293 84437 50599 65133 19174 93112 95474 59778 46608 47670
45460 52191 298401 29401 30567 42009 18882 24550 47942 67503 61509
39348 00469 28448 35688 35668 24289 04210 00355 003555 68260 20743 96355
= = 743 743 30 30 000

4490 kHz, 29-12, 1959 UTC

197 764 764 30 30 = =
 00588 65072 81354 03651 29449 30207 56930 48703 54675 43356
 03487 72085 22853 29624 98004 90862 56589 87033 62739 69404
 84382 70618 95024 45953 41883 71631 99383 28398 72102 14339
 = = 764 764 30 30 000

4490 kHz, 31-12, 2000 UTC**Groups 12, 13, 14 and 16 were not repeated**

197 431 31 30 30 = =
 66820 62925 22070 96247 98923 23219 16652 17069 87929 67724
 49504 63261 88589 81280 51800 34492 35803 90536 31482 23456
 67709 51001 61389 96701 13130 77501 83541 07564 86494 17556
 = = 431 431 3 30 000

M01a

Note the five zero's vs the usual three zero's.

9051 kHz, 13-12, 1534 UTC, i.p.

00000 00009 = =
 54142 97164 30

809 809 809 65862 65862
 111 999

00990 00014 = =
 10695 75180 75522 60770 80659 03366 41813 47274 60704 40606
 43780 31633 46651 29857 = =
 00990 00014 00000

5757 kHz, 14-12, 0945 UTC

724 724 724 45109 45109 (repeated)

5757 kHz, 14-12, 0951 UTC

724 724 724 45434 45434 (repeated)

5757 kHz, 14-12, 1025 UTC

724 724 724 54345 54345 = =
 00150 00009 00000

M12**9317/10484/11552 kHz, 01-12, 0530/0550/0610 UTC**

135 135 135 1 6067 106 6067 106
 92916 29923 34724 10798 49186 06299 44924 76431 53561 22905
 28851 15849 74102 91988 89965 52311 89429 16749 94833 55938
 91556 92506 62426 29985 36490 40530 89123 40406 72151 10393
 03796 94043 79416 51102 97913 45954 65456 48730 75782 59704
 89497 16251 88112 34403 77969 04109 83978 69230 07557 92736
 34176 56412 15688 32857 48561 80479 53276 22592 04274 78364
 21123 28768 50645 54583 01308 53916 87950 22636 74920 24717
 65482 49217 08425 15721 32450 95351 86135 23210 73905 66900
 60783 65615 56721 08874 28314 68945 81322 24564 22736 21460
 27022 84164 72283 05921 59577 42055 78286 83263 36113 77891
 38755 68327 09946 45944 23194 000 000

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

317 317 317 1 5412 96 5412 96
81109 15210 20385 47940 04942 41535 47521 89090 34698 96964
15680 85120 47404 45365 27962 67394 96473 10595 53345 62629
51223 94344 14864 25734 07384 67830 08751 18348 15961 23989
87763 85626 70897 85081 17132 29759 38513 50155 00817 78233
85282 99097 54050 26291 86838 43622 15374 00986 44349 53626
34606 93832 71709 39211 95040 74826 36516 44829 39300 61266
98992 54111 73798 92756 58073 95694 52897 76329 32312 37704
00613 75787 43157 23214 55762 48469 42507 95188 33015 39629
67065 78245 11842 74759 97203 66504 89943 31010 60232 44124
33477 87773 55049 52921 82389 39174 000 000

16234/17434/18234 kHz, 02-12/06-12, 0800/0820/0840 UTC

242 242 242 1 8412 79 8412 79
46248 44383 44649 63405 31418 61405 43574 55366 83273 25844
67061 76026 89518 56735 01673 55373 47675 99698 63624 55461
75087 86758 31497 46450 10621 91234 51098 55847 76531 42259
70732 44576 63081 21630 37090 80181 32727 58683 71105 28158
13102 03324 10156 05022 05489 59857 54725 66186 20258 11436
32669 62913 22536 95039 96641 60687 24107 58794 54301 22417
57975 47146 27183 19172 81135 90160 81388 21483 35496 12577
26608 04700 28006 16922 82872 71772 78277 21208 49734 000 000

11435/10598/9327 kHz, 02-12, 1810/1830/1850 UTC

938 938 938 1 8137 74 8137 74
55305 61824 90411 25308 40870 28297 54567 32676 03258 33302
99972 10465 11840 53555 44731 40848 62532 94091 75658 35675
10080 52293 44583 97958 55070 80871 13417 35823 76094 81467
40414 36024 17043 42670 65870 38756 09659 07788 73733 50206
18512 73630 65955 35887 72343 02569 59939 34752 03581 96721
54104 44618 01196 20775 09924 39437 84494 83099 44392 98722
68464 55090 90601 88659 05878 84485 41950 60316 78493 39138
10124 51387 74673 76744 000 000

12162/11566/10711 kHz, 03-12, 1700/1720/1740 UTC

546 546 546 1 3386 111 3386 111
23729 08560 18841 17753 10419 61978 56350 11349 97796 11161
67003 13581 62646 33616 41836 12802 88482 31200 82999 82090
02554 69368 15664 01472 00372 44598 10949 01670 15642 56888
58403 56933 87608 39276 50046 50939 70559 01975 90717 15289
41122 71464 19189 29046 73219 32354 64032 95700 00266 78876
31693 51008 16727 81821 96320 78554 87534 36373 47963 18188
70518 37620 32999 70896 88731 56329 56646 74485 65832 21473
46070 30450 82399 74276 04459 57250 81317 40476 98780 79798
62883 48769 56593 34259 86481 72084 12224 46359 01336 92736
20729 64709 23095 76942 95189 44579 19801 00987 32200 31441
15315 41218 95131 00368 89158 21892 65474 22069 77869 32969
53761 000 000

12162/11566/10711 kHz, 03-12, 1800/1820/1840 UTC

546 546 546 1 1116 109 1116 109
91688 85183 56740 79063 96041 55831 95982 56470 77224 38020
71447 54872 65634 70883 07752 83962 17895 12840 54691 25445
11978 53597 77210 20705 81232 24624 59111 92430 80554 21480
07046 71692 10646 33585 18872 05197 77585 93137 27147 72414
91631 49559 44299 91069 08115 64851 23352 34528 80920 13060
52112 64742 89527 37132 57380 59855 21585 13427 55203 28554
92206 54464 72145 41185 86321 43627 74050 38408 61389 07423
47562 95706 61674 72968 63487 87986 86020 30922 13660 87165
10748 53829 74600 31360 80478 38336 07576 98880 78991 07245
39555 11649 62895 77125 42777 53818 72911 49689 30764 61076
21446 29822 33781 49508 37641 50907 54627 14706 67115 000 000

14388/13461/12114 kHz, 03-12, 2000/2020/2040 UTC

317 317 317 1 4955 103 4955 103
62695 95074 07892 59876 13089 20058 24832 32680 45834 76474
04695 05365 41345 21856 32643 61594 71988 42905 39700 13849
38600 53637 23678 41588 35031 74113 25670 56566 24147 58696
29617 71895 50780 03680 76918 12215 45994 18866 37901 61207
19217 86640 67909 44243 40704 63769 35102 09926 50946 89004
76131 02898 38798 72792 66382 94073 17159 78271 65727 46016
02594 85849 07610 36371 57312 95193 93244 63156 34252 13468
32152 45747 78031 96081 02810 42516 68401 05313 41634 28575
48978 03422 94459 79334 69852 65447 29953 90332 78516 08756
84431 95651 78649 47108 20085 54712 44749 61131 91461 44726
38565 21333 09878 000 000

6832/7532/8132 kHz, 04-12, 0030/0050/0110 UTC

851 851 851 1 5698 92 5698 92
52244 66967 26805 73102 55451 08190 31638 00327 78808 10464
15771 20432 71870 35199 10517 83744 56377 34921 03437 51340
13943 05449 94219 21190 65319 06595 59097 36381 62285 39034
85518 87454 14298 47607 10783 73814 55370 73067 25698 13847
18180 26751 05390 58866 94336 38039 28540 80619 85487 90770
67014 84183 22940 87321 69597 31093 23907 27858 76248 45126
64853 98227 25471 43159 94424 76853 48447 68712 85963 73992
14565 74183 31814 74693 00786 75940 25698 08715 30276 90283
78919 76165 77334 29818 31959 42373 26198 39838 91077 10942
67974 72416 000 000

9379/8179/7479 kHz, 06-12, 0110/0130/0150 UTC

314 314 314 1 9911 106 9911 106
48443 13908 65285 47572 97063 17882 87467 11949 63635 31621
78368 07428 54943 95655 62462 56421 52381 23924 28645 26592
46991 34086 74268 49141 49229 68672 20549 07510 19184 52800
95003 83089 82806 38726 41136 38560 97074 06573 33479 60783
47965 72684 54886 65810 10702 18671 54486 72637 34313 17184
98796 48483 05833 65380 10784 20792 25161 75593 33924 70588
48095 62648 90780 98601 07999 93788 04491 19170 33866 12784
65747 72556 00634 23848 21510 32446 20937 78495 68714 48518
33790 12378 63708 05338 57751 51361 74784 90602 73704 94881
80401 09294 47814 24362 73089 21628 60156 68848 77403 55310
47445 05907 62150 21221 75854 39321 000 000

14377/13461/12114 kHz, 07-12, 1300/1320/1340 UTC

317 317 317 1 7838 99 7838 99
50326 75812 11228 03613 38413 48541 19342 86300 98355 18275
78360 75191 99491 18800 30603 44952 55884 26735 25481 94344
30172 72225 26575 31558 40457 85793 00418 53057 04472 59637
88859 25694 14285 21489 90078 06732 99425 11926 07016 52529
34837 78079 67375 20033 02129 20912 70538 40047 30129 24254
52289 13645 78951 62991 19559 90926 77377 57647 14690 41613
04342 56689 03377 05275 85529 62554 84786 33841 90857 71920
98855 49145 21130 56404 66766 77942 53345 95232 32398 89441
16873 21297 69629 97680 94180 43878 82531 94512 83255 45199
02641 75979 92519 44300 42552 61536 81977 56114 45813 000 000

6937/5737/4537 kHz, 07-12/10-12, 2210/2230/2250 UTC

975 975 975 1 174 72 174 72
92456 82615 90979 25982 90224 64431 42946 43344 20617 61628
53704 01269 87131 24010 49454 86132 16844 30663 78371 14362
50246 83169 82911 89983 31530 24861 08130 68905 80384 56184
84767 57228 54321 89919 30178 13723 44934 30028 94590 64637
15720 20884 75014 68150 84687 69792 47711 97855 52907 70915
37249 87977 21874 18239 15591 50939 53114 73330 97157 14662
40806 90331 44324 15235 26194 67059 79800 67449 81176 94453
46260 71457 000 000

9134/8134/7534 kHz, 07-12/10-12, 2300/2320/2340 UTC

457 457 457 1 342 59 342 59
50569 13761 96961 57751 60515 28782 97423 52216 25004 45334
64899 35821 43020 74853 69654 15273 72751 89670 37987 68742
81988 69498 58522 13678 00067 84407 99248 19022 52043 36068
81248 47764 57439 11453 08785 19630 03022 32801 44808 79980
86967 75723 55985 22767 85233 39395 37837 62467 17929 15333
69984 24916 12851 17131 22809 37575 12201 15402 11575 000 000

9317/10484/11552 kHz, 08-12, 0530/0550/0610 UTC

135 135 135 1 1211 112 1211 112
24161 39645 47403 54230 62880 03351 46620 81795 96061 14895
27880 40276 74260 00173 90257 15899 06564 84669 77732 79811
47794 78406 99724 80482 70780 80861 10090 67704 07840 43580
22867 95679 67592 09171 47082 86018 22220 46589 39497 07853
36646 13598 44304 51934 16598 08645 24674 56069 60211 24707
22462 01686 08577 36957 95835 56820 64556 07144 34918 17477
22574 05348 37674 01707 12121 43098 17190 56061 39078 53146
85397 07950 49847 34977 28422 16636 81004 54578 13550 83893
50962 74765 98697 59721 19900 29270 76802 62446 50645 96962
11171 67995 23411 15901 48880 26005 56662 70265 60654 66878
72892 54941 40598 47550 14752 64749 65644 74664 89505 39620
95629 83877 000 000

14377/13461/12114 kHz, 08-12, 1200/1220/1240 UTC

317 317 317 1 5060 98 5060 98
21821 05532 94369 29367 84725 76776 64878 31753 74679 55687
60048 77525 39702 93682 53269 67289 83161 07440 70220 92873
47123 88199 14012 50101 67051 13797 54771 03998 94052 71803
49467 47589 48565 72812 73596 16922 91787 87039 95272 26632
67226 82760 74008 43027 27409 69946 86564 62031 03504 39168
02810 06211 19037 34844 01018 53210 29569 73466 17586 73375
99788 34377 17015 27184 70114 51178 49995 12545 44176 04083
03282 83545 76731 22475 19324 70071 41069 76544 39121 24594
29402 53911 37212 83500 80382 05126 77142 20328 47714 02124
78252 83787 26270 46583 95770 67211 87775 43350 000 000

11435/10598/9327 kHz, 09-12, 1810/1830/1850 UTC

938 938 938 1 2220 78 2220 78
39743 18423 59507 40278 92878 74706 15832 24831 61559 84551
03567 72744 93703 84616 85351 52587 82165 83535 98854 47559
45650 09505 09994 89920 41881 89801 74642 45163 80532 88793
76574 08795 66108 88817 06017 57529 61586 73582 61850 26781
43715 33185 77874 25591 22092 93934 45475 51906 37770 91853
97264 56310 91140 10772 36555 08175 20408 10654 45295 34658
01818 81943 31691 31200 02015 39662 14176 88358 94300 93158
47040 58990 15479 66734 18498 25090 44219 55782 000 000

10343/9264/8116 kHz, 09-12, 1830/1850/1910 UTC

124 124 124 1 9202 79 9202 79
05375 51659 74022 34398 48437 41371 37234 40278 70058 78972
24122 04416 77214 99857 87900 77352 74944 25578 45142 24873
24783 90921 65399 77133 80383 42645 49908 31562 40137 11488
40299 56276 11630 03955 24651 63231 98381 91392 53541 29196
45595 44325 60234 75715 65788 08073 90041 16034 29960 38554
78756 03462 79246 15036 08454 78273 11727 35479 94756 40089
70563 44536 36530 96026 14950 06246 72552 65901 66636 45180
40043 17387 58362 43274 95786 44208 67935 98035 39793 000 000

9379/8179/7479 kHz, 10-12/13-12, 0110/0130/0150 UTC

314 314 314 1 557 86 557 86
98380 87791 80522 74516 98687 65163 75111 96433 49311 67515
34243 22021 10032 99294 77924 48334 88226 23048 42220 51907
63536 77524 62450 61428 29193 09666 19621 02822 70057 11717
73905 11611 78227 55050 08449 56213 44739 39152 08317 73283
50376 62945 41204 95566 95413 63034 05305 48252 27996 72154
98776 27028 46375 32151 90674 61871 28986 40570 17463 62715
36383 61072 60757 18260 81931 73962 55280 80398 90208 47413
01365 39986 58992 17985 96759 52842 24427 85658 00112 70065
07953 89376 51106 85693 07838 17370 000 000

12162/11566/10711 kHz, 10-12, 1700/1720/1740 UTC

546 546 546 1 2801 111 2801 111
98025 36025 72097 13403 61559 52633 03086 12015 05164 06606
23280 51283 13352 21216 99098 25057 49645 93252 66442 94574
67398 82644 18865 40935 05487 93041 33247 56759 19410 18917
68223 81467 32542 82537 87193 44296 04273 55894 15180 35386
50963 56740 70880 23945 83454 57458 42577 73585 18637 32741
97564 21515 72548 32005 23275 66736 40504 98739 51715 19698
80040 12811 98331 15218 50852 56130 47046 20645 62821 22202
16260 69282 23092 54642 93470 41798 32642 96901 34198 62477
59367 09824 52337 80893 06598 28532 07228 45321 75176 46267
14533 77039 66816 80525 26889 25318 00802 37214 21394 50534
09280 74795 72314 33069 68789 95193 91965 12957 77073 55366
84572 000 000

12162/11566/10711 kHz, 10-12, 1800/1820/1840 UTC

546 546 546 1 7485 111 7485 111
60033 27718 33066 78153 28133 66443 73718 35260 66279 46771
72216 14211 26025 14657 40630 60064 88793 08932 57686 37133
04226 68367 32231 67892 17549 28012 03849 18310 91334 59868
36155 79495 69102 60463 37497 48498 75404 63852 99818 78599
43211 48758 03539 69116 48429 56623 74601 62281 99083 55486
36832 60535 11899 90764 33323 62126 10310 02509 75024 17159
33193 20614 15781 46329 64659 34247 38983 44087 00988 03718
67104 73423 28393 56269 82122 75121 86674 13157 36670 04035
37869 59320 45603 23051 92712 60279 40551 74151 95386 92894
50732 25349 78333 73542 83143 37622 52447 74483 49110 23971
68468 65269 84288 33953 91820 25622 09706 60742 41747 95681
15001 000 000

14377/13461/12114 kHz, 10-12, 2000/2020/2040 UTC

317 317 317 1 2982 109 2982 109
07263 54004 67392 28929 81156 26992 31284 99347 13867 26564
52098 32653 17737 02109 07574 72581 75823 36713 48648 48413
35765 65443 03002 10519 69891 65311 51869 63522 56579 23315
68723 91441 80803 97393 21768 91703 37872 75875 18520 65131
97348 24758 37007 14757 02927 68865 82068 55213 17995 62911
58172 23471 54036 95617 74620 20513 91915 58941 97108 59504
21653 96003 33222 52092 55432 83302 36814 38862 71445 35520
62745 10413 31275 68869 76658 20515 17853 49393 12850 21173
33674 41850 01835 93115 41747 94123 94145 28137 65430 11621
78403 60537 46453 64493 63577 18049 84531 96677 62418 63441
24490 88177 72797 17312 24886 65474 02424 15866 64003 000 000

14377/13461/12114 kHz, 14-12, 1300/1320/1340 UTC

317 317 317 1 4824 95 4824 95
81702 42036 45580 44193 06554 66496 15019 17883 82328 13610
38321 81399 94053 54304 62410 92704 70901 49840 28870 94102
28257 33241 69994 23438 05583 61884 17938 76867 51447 40410
32155 00664 02003 71536 98572 24453 45057 55876 48428 45602
26857 61584 95123 70071 83533 58900 44571 72474 99488 53447
37477 30829 01291 49419 01969 49058 48945 05837 18738 87142
30795 98012 23316 16269 97020 47634 61303 84428 90750 76288
40659 88527 97596 77771 09782 82709 96721 10470 91823 71394
04358 18810 03295 09526 42007 73467 27899 38714 50090 26895
00843 51319 61883 18645 85003 000 000

9317/10484/11552 kHz, 15-12, 0530/0550/0610 UTC

135 135 135 1 5435 110 5435 110
59000 41194 13987 23159 60997 84894 71880 89260 90872 38539
33149 67947 42825 39837 10149 07339 45891 29592 28126 21418
93610 12532 12343 12328 03995 82420 80690 03554 97501 39437
90721 33240 79180 46952 60515 30397 82532 12745 36265 79886
17997 17409 62372 08201 98492 12177 72604 46389 64423 97797
96476 63116 29047 81663 08335 14598 10814 33758 48076 15675
38231 61495 03643 55639 12431 46296 83689 37015 91324 85198
05404 49803 92039 66643 33742 53208 32015 41981 75804 32323
95563 51260 81247 91553 44132 80281 52337 65786 71225 16105
09752 86509 00670 32592 88345 01223 29977 31062 32622 23320
79007 39907 43526 38715 17875 88660 14135 92605 58233 64013
000 000

14377/13461/12114 kHz, 15-12, 1200/1220/1240 UTC

317 317 317 1 6530 97 6530 97
45572 66592 62137 08383 42276 99989 83557 93466 16093 33040
40424 79668 66886 36578 53870 44365 91020 65312 33038 44600
66514 23322 29744 13038 08930 07788 57083 48621 91552 85348
83642 03571 78520 63614 73032 42091 81420 49346 19875 45399
80366 93531 27723 47247 10232 29484 88750 70624 16230 44746
62893 30338 54904 74967 16596 66515 17155 84529 32263 21266
35344 79430 13118 69330 43021 03717 24277 87006 74351 71195
40812 20990 42251 23628 94981 76730 14845 83721 37021 41759
58376 48378 12085 86694 78649 84502 68530 76762 37964 94217
69164 53855 72300 00667 39407 48533 09364 000 000

16234/17434/18234 kHz, 16-12/20-12, 0800/0820/0840 UTC

242 242 242 1 197 137 197 137
54571 69817 33595 97741 45213 95981 43500 64826 26201 55186
72305 07225 79137 25962 72911 73462 97085 06059 98236 43883
02712 23144 82292 64799 42704 74893 57977 28076 94510 57203
46521 06571 06178 23299 15026 11907 04913 49690 33473 39384
92008 33010 45452 91032 04886 32574 26977 26620 59266 98782
41729 49031 09832 82588 82746 68581 61976 85219 00899 91049
86519 94313 06461 73537 49626 74758 11035 02791 67362 51986
54737 49050 23526 10853 31127 78821 03996 22924 58155 12085
71825 87546 51076 21414 85424 42565 34715 53557 31722 61917
24112 13688 62990 96244 36080 86449 72494 99390 47735 30103
14209 85846 68605 30528 33043 93038 33140 82377 72228 67307
50051 88803 09216 41025 78956 77050 20411 39454 56719 50137
46836 51434 85674 89528 05053 33519 00936 93857 87484 39131
11570 83411 20634 87952 75965 15208 03030 000 000

12162/11566/10711 kHz, 16-12, 1710/1730/1750 UTC

546 546 546 1 8855 112 8855 112
04378 05597 63113 68084 01910 83792 04600 12097 79258 49668
97402 72083 83272 94608 50480 94608 35773 66631 81867 03391
34105 40590 90834 41397 89411 52329 12666 91744 07105 73345
83098 86409 41564 64406 95589 86989 51297 90859 21795 05239
65712 56785 95345 66718 36540 29861 33995 41447 11157 73995
01807 57852 61058 44864 31560 20822 64923 67284 35755 72283
85041 64389 96198 09017 10455 79525 48720 69867 01660 32478
06716 64586 79348 71446 89240 69389 67099 88335 86847 75510
16243 33733 62262 24611 39102 57326 56314 53498 37867 45762
27816 72425 19538 65443 24381 80415 53014 52540 60187 94909
20305 33814 09751 26958 88368 30217 05749 73363 01397 35241
51652 59054 000 000

11435/10598/9327 kHz, 16-12, 1810/1830/1850 UTC

938 938 938 1 8640 70 8640 70
70114 39102 36416 58880 53144 99952 88921 09127 07802 01736
23342 63974 23491 51293 24014 11858 78489 18471 39233 43582
23409 08692 36053 82277 99747 84960 00265 78609 44340 30040
74145 03399 67726 99307 06847 30875 28880 56845 07941 71427
40383 53693 00211 64900 84024 27567 43877 05440 75120 81736
76883 89545 94706 08728 75616 99789 43496 51534 89088 58524
18903 33415 96552 28957 76165 50492 __ 909 18054 98905 67896
000 000

9379/8179/7479 kHz, 17-12/20-12, 0110/0130/0150 UTC

314 314 314 1 9479 90 9479 90
10412 74628 14547 06883 09805 19462 74212 59193 59983 58358
98485 82997 34469 30045 25944 87073 02550 97042 06603 70730
87275 83407 24871 07084 69871 65566 67184 57002 85215 55624
85623 20552 57323 10504 15693 63775 63260 58457 74618 29581
78265 56072 54157 27901 44504 56828 16822 77620 55165 56227
61747 27816 84268 67480 01813 47188 02465 87801 31121 33950
55117 66175 22170 26211 90846 81696 54381 17641 61916 83498
63613 27458 94025 43048 78854 14344 93576 41424 43117 01973
94320 00145 61131 26126 71272 28516 02128 81055 22501 88514
000 000

5832/6832/7732 kHz, 18-12/19-12/25-12/26-12, 2200/2220/2240 UTC

887 887 887 1 9725 56 9725 56
78546 21442 32246 20176 78800 14045 39346 33226 82406 67359
02960 59155 67793 56802 29152 54627 11573 01806 19189 52514
97405 26114 35405 97529 53982 43495 01136 96857 84804 98565
65521 54912 36749 38030 64206 10024 17046 10221 88080 29816
12180 27144 60257 80013 25276 37828 29157 51981 98960 00739
26306 15010 84479 57595 70560 18018 000 000

14377/13461/12114 kHz-12, 1300/1320/1340 UTC

317 317 317 1 7226 99 7226 99
26568 92910 49356 52592 20100 03629 80021 70275 45429 44839
19792 05449 43118 74528 21636 19446 66983 88695 95674 07254
10797 13883 51142 43597 47522 81348 46990 75229 84672 43650
14033 35831 92896 26166 04374 81547 60398 85301 73570 39622
49002 96866 37709 71515 15088 87992 78391 17512 50013 63277
07617 61430 85159 42148 43850 33783 32213 62830 71562 38441
76242 38387 87536 13511 51184 03536 71623 06392 37973 71838
66070 09008 06797 10048 33277 97365 21252 07028 38974 03956
89729 11739 72811 69430 13083 72758 68509 33441 16804 80696
78786 74417 07633 41148 31667 49779 30052 57123 64345 000 000

6937/5737/4537 kHz, 21-12/24-12, 2210/2230/2250 UTC

975 975 975 1 9508 81 9508 81
59093 05372 10857 82067 69196 05728 12272 68391 37454 57665
92000 36922 18469 92222 67683 45229 96725 52746 49282 97715
38261 22873 22268 81361 48949 13727 67324 59743 23457 88326
40112 89347 01398 91071 96719 63091 36692 53464 09316 82652
56380 59860 20454 31393 04282 08606 13872 97276 83949 80271
90824 02186 28893 12916 54088 06596 15485 83168 90442 44275
67773 50606 12983 63171 09619 77472 57969 72277 20084 81075
63833 86106 99136 28807 76794 67040 68850 91165 31157 77397
92547 000 000

9134/8134/7534 kHz, 21-12/24-12, 2300/2320/2340 UTC

457 457 457 1 3963 145 3963 145
54957 53736 49873 79636 25679 40841 47919 60639 15331 57553
62239 74709 67654 31071 46505 34859 82080 33069 83309 05592
58336 71790 79925 78728 38089 67304 05173 71819 53468 59423
86400 33415 26008 71161 10677 89886 60323 11993 52565 45642
66748 18976 49690 88821 07677 43844 68978 09880 52869 34080
06114 35383 19972 19146 95868 64898 13215 93094 61480 52948
84630 87609 95333 29271 66940 28892 52744 30838 18320 71058
83641 61044 23957 99456 47994 41826 52439 08200 70864 05433
91506 94419 52731 43579 56123 58949 97312 38449 66935 12832
00040 12726 32439 30685 94862 14948 55980 59307 70265 68363
18852 65800 88239 58160 87278 18867 35282 06511 47724 24690
15109 99538 49481 35933 32712 43507 96194 85456 36956 10066
40265 18144 12288 08405 36592 88389 26809 19621 84145 55793
70626 35569 01356 51220 51486 43221 89974 12142 69783 51922
10679 29047 59691 56967 76580 000 000

6832/7532/8132 kHz, 22-12/25-12, 0030/0050/0110 UTC

851 851 851 1 6117 106 6117 106
61339 95395 16602 75720 71818 02109 82050 95439 84815 54659
55256 64542 57237 66475 52673 40181 29667 01481 16789 91492
03953 18959 86424 59762 10042 37386 97447 35023 90472 22513
34037 93782 87012 42227 45046 64917 79262 80633 25181 68123
29077 23980 74081 70946 92897 79962 68156 56458 86921 49886
16203 98008 76733 47380 99956 90190 42965 75369 44886 29219
71178 27085 57227 52739 73333 36237 69739 49542 30713 92499
83381 55971 05920 93448 96386 79174 77051 99710 91577 21472
35278 58600 85053 44990 22101 93208 13332 37186 82695 81394
23676 31950 21679 55397 81876 82342 57730 22310 63665 62260
33143 74624 08110 15578 23244 01663 000 000

14377/13461/12114 kHz, 22-12, 1200/1220/1240 UTC

317 317 317 1 1524 95 1524 95
23800 72753 97836 08083 18440 89774 87286 55197 44129 36502
57415 36901 31915 97178 71016 04769 08460 74804 00911 90614
36979 32335 41591 70852 70550 62296 46371 45585 02494 88828
20565 34625 35215 14330 20423 88310 49083 57263 26267 03747
21507 69121 04564 99256 78058 21031 55581 05186 06567 54597
93814 24126 75266 81382 18124 11866 95758 28005 51133 14964
55413 25810 63888 73368 05917 60861 21158 56949 93826 36939
51658 23137 69790 78129 09711 79955 60641 68334 12916 73073
38519 22301 18703 06184 38189 10468 23974 62608 90977 53830
97777 53968 57275 07526 69380 000 000

10343/9264/8116 kHz, 23-12, 1830/1850/1910 UTC

124 124 124 1 3579 70 3579 70

73544 10147 44619 82418 45818 84378 26065 41866 74429 66100
66868 25426 44518 86767 00010 88830 72299 71705 83652 52180
67668 39063 98919 88062 49350 01201 73936 46781 45962 04232
67155 53160 28522 33538 65195 26442 44436 63650 83358 02307
65005 98072 14372 71055 67496 45910 43048 05145 47362 85382
74474 05537 00530 77928 12484 74611 61352 52511 69779 07915
58043 28865 90767 36121 43217 27803 86501 97451 47957 31044
000 000

12162/11566/10711 kHz, 24-12, 1700/1720/1740 UTC

546 546 546 1 1008 104 1008 104

49384 85707 58186 80706 44234 11691 24498 26982 32177 88206
12132 40503 22862 88855 36044 44745 92273 83992 21626 46908
44860 37206 06184 42234 66318 13968 25495 83785 62702 45043
71729 04122 16996 80553 73204 21776 34168 99589 71846 75314
83554 18368 82219 04843 05306 97702 03391 05146 37566 07408
48685 38343 24809 37311 76036 73860 26479 88413 35639 35684
43382 16741 40365 49681 88031 76049 50290 29135 89957 98813
91338 39659 99259 24357 64956 36199 93712 05316 30935 53991
63217 22668 48992 11277 06925 93503 78079 00843 86594 30264
09891 78720 99838 29362 88502 34712 73967 31120 83960 92702
75035 02743 23271 88085 000 000

12162/11566/10711 kHz, 24-12, 1800/1820/1840 UTC

546 546 546 1 8536 108 8536 108

05338 56961 76058 34043 88251 26152 75929 68846 09873 32022
52652 35252 34181 69054 66844 27951 82836 11633 55654 20133
60267 37774 33646 41318 36718 76841 69452 06909 29817 47080
42094 96696 60498 11381 09051 11181 11205 06431 33622 40854
87759 26106 61613 14571 38624 37738 99103 17299 34893 65642
85630 58792 28203 51176 85769 37629 33383 00854 31371 91907
24544 92098 47565 32798 26382 77586 06191 70368 76793 71934
23164 49567 07845 66658 60022 63832 41750 97727 94110 20404
84138 13203 19862 23301 17386 02946 31032 90501 13854 78807
56433 04737 13555 65937 99726 61232 59214 08878 54688 73822
53310 90261 44311 42624 10536 25725 04449 90054 000 000

14377/13461/12114 kHz, 28-12, 1300/1320/1340 UTC

317 317 317 1 9926 96 9926 96

42487 58724 75963 77756 74146 58595 83714 07525 63676 40512
27549 96429 03775 64602 59616 89311 87333 42634 65972 47708
19996 41207 67646 51160 15010 30301 52276 20809 91397 47150
83338 55129 89024 77837 36258 71106 15925 68953 88328 19394
05861 18002 80924 43043 64899 88662 55524 21654 66250 01782
99091 93953 49153 58404 34753 02502 23844 83608 74423 82939
52205 69337 92878 37320 15078 69861 92614 21792 41434 67538
11713 87098 92321 87403 24546 63689 41384 85670 36473 34903
05079 62353 72209 00977 10497 84818 68565 17966 76456 39383
45032 99265 93467 52519 84002 83253 000 000

9317/10484/11552 kHz, 29-12, 0530/0550/0610 UTC

135 135 135 1 779 111 779 111

27825 34894 57668 76588 09137 34518 00617 06748 44423 95788
84914 98347 53583 00915 80154 52836 01643 26525 61548 72780
62441 58632 75126 52619 03096 96193 15000 57566 78344 29883
97973 32399 96534 41532 04936 62361 36259 90394 88662 58801
31749 37213 57321 56098 84139 01350 58876 05304 21245 59349
64474 74157 30180 58063 47450 00597 69766 21119 94658 74326
29199 11683 22697 92062 55684 98934 58218 34396 42733 31773
09925 10700 10168 52146 48676 58631 04428 59329 21149 77641
92516 24851 76767 75731 49759 64355 06085 48444 18371 48777
10853 44455 99487 22682 24905 58901 72805 17266 72244 19869
45436 01627 27223 09958 26071 17912 11503 32756 05076 14309
25034 000 000

14377/13461/12114 kHz, 29-12, 1200/1220/1240 UTC

317 317 317 1 4954 99 4954 99
 19247 86602 44399 37656 84751 88625 96628 78351 43696 27638
 90649 76370 51337 89485 89280 84474 48848 49530 60437 78720
 37585 90362 14359 18700 91128 32138 63587 32922 95583 27434
 14997 33921 95808 98507 93415 62740 80369 81225 66516 12706
 48168 22904 67452 76748 90513 25012 04823 36719 91844 61040
 12376 51464 52160 76381 56770 23718 42951 89430 98979 44029
 08832 94863 26341 18949 64539 01205 95090 39301 69202 14906
 57393 77175 77808 65425 90541 73600 37282 32106 98098 30009
 94260 61264 21861 87445 77560 33727 11935 17659 46009 49893
 69638 51564 58533 00284 22065 41644 85322 79492 50110 000 000

12162/11566/10711 kHz, 30-12, 1710/1730/1750 UTC

546 546 546 1 1279 110 1279 110
 09669 83404 26455 70120 05201 57110 73650 41207 93580 56977
 02770 39388 06907 22048 08316 36769 04970 90994 06573 16861
 21720 63582 54681 83896 60013 24589 99299 35814 22740 45379
 93453 28738 90376 81407 22068 26141 31316 88136 00181 25652
 00682 98118 02778 36198 84707 22923 79275 83355 45296 83072
 52074 68813 68085 70055 30737 50966 01845 56665 78896 38164
 31187 70663 35605 14921 72678 37448 48960 17436 88616 84628
 25481 11642 33628 21191 82064 07231 07737 86647 87297 19466
 30620 43227 96651 01828 71961 96862 90587 34960 91220 26500
 35050 77560 32163 98080 99057 98379 72618 15562 15726 98104
 42010 77374 73836 87571 38818 74934 10987 51028 09775 62240
 000 000

11435/10598/9327 kHz, 30-12, 1810/1830/1850 UTC

938 938 938 1 4219 73 4219 73
 51227 94999 96600 29297 57560 12260 03252 61341 05554 31699
 07415 21279 40847 38913 73575 78264 56400 03996 91069 11757
 22720 51790 21330 38943 03659 79000 72797 31753 89430 33951
 30601 87933 68958 21400 57448 04923 78842 19743 19652 82591
 30389 60745 79736 26552 12996 73369 05309 81447 82332 09696
 95575 24792 86473 99462 58273 86715 09548 23652 41806 92831
 90735 19466 12751 38636 29219 20479 09655 52056 71334 57787
 67793 25007 58424 000 000

10343/9264/8116 kHz, 30-12, 1830/1850/1910 UTC

124 124 124 1 7448 71 7448 71
 68911 16366 91174 39236 53553 02573 68688 29151 66022 88154
 24326 81322 41192 63351 00668 26821 35541 85851 00253 95219
 46415 69405 60197 61836 72379 84602 60533 81778 81582 54931
 47573 46822 82086 83673 41892 50205 06834 15763 35486 42720
 48339 46329 10599 94238 08618 45902 98975 44262 93050 00628
 38071 92957 06692 55534 80763 67806 53832 35830 07457 83691
 07693 18051 47765 68055 42420 59174 10327 54869 57591 60756
 83100 000 000

M14**12214 kHz, 08-12, 0700 UTC. Replaced F06 link 70202**

910 326 326 45 45 = =
 01299 59208 60210 63919 08101 42969 40936 43066 11026 41499
 92853 97720 53276 65905 21961 85185 32963 39722 85849 68010
 10762 80963 22709 52735 72365 58096 49946 76765 31644 49630
 80883 85595 85475 62005 32955 67542 56174 85471 25844 38182
 82446 92642 92999 91693 44827
 = = 326 326 45 45 00000

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

3322 kHz, 27-12, 1951 UTC =92254??0?????

M22

6607 kHz, 19-12, 1816 UTC. Traffic list and messages

VVV DE 4XZ 4XZ = =
RQ9I QSL NR 96 / 8 = =
UT8J 692 / 792 QQL = =
RQ9I NR 003 NJ GR 05 = =
RQ3S NR 892 EG GR 23 = =
RQ6P NR 992 CJ GR 53 = =
RQ9I QSL NR 96 / 8 = =
UT8J NR 692 / 792 QQL = =
RQ9I NR 003 NJ GR 05 = =
RQ3S NR 892 EG GR E3 = =
RQ6P NR 992 CJ GR 53 = =
RQ9I QSL NR 96 / 8 = =
UT8J NR 692 / 792 QQL = =
RQ9I NR 003 NJ GR 05 = =
RQ3S NR 92 EG GR 23 = =
RQ6P NR 692 CJ GR 53 = =
RQ9I QSL NR 96 / 8 = =
UT8J NR 692 / 792 QQL = =
RQ9I NR 003 NJ GR 05 = =
RQ3S NR 892 EG GR 23 = =
RQ6P NR 992 CJ GR 53 = =
VVV DE 4XZ 4XZ = = AR AR

NW QTC 1 NR 003 = =
NR 003 NJ V WH8J 821291 RQ9I GR 05 = =
RIRIR JXESX SENXA KELAJ FGMBW IJDXA CWSUK NYFXH UGTQC OHHBM
ISQCO OSGMF FRNBY TMNSG XTTKS NFZPM HDEYU HIFTU ABPUE PSYYM
BUCRA ULRAF PMAKA BBQZO DNOFG CBUKE SZHCG KPYEJ HCUHY DYUHT
DQXLS YTPPX HFLWZ EGDYK EYCLT HLQPN ENKFN YURYB QPMXX GKDNN = =

AA GR 04 = =
SUGRT NLYTQ LFJZS TQTEM SNEUN EJICX DFHTI GOWIW OXTHF JXESX = =

NR 003 NJ V WH8J 821291 RQ9I GR 05 = =
RIRIR JXESX SENXA KELAJ FGMBW IJDXA CWSUK NYFXH UGTQC OHHBM
ISQCO OSGMF FRNBY TMNSG XTTKS NFZPM HDEYU HIFTU ABPUE PSYYM
BUCRA ULRAF PMAKA BBQZO DNOFG CBUKE SZHCG KPYEJ HCUHY DYUHT
DQXLS YTPPX HFLWZ EQDKY EYCLT HLQPN ENKFN YURYB QPMXX GKDNN = =

AA GR 04 = =
SUGRT NLYTQ LFJZS TQTEM SNEUM EJICX DFHTI GOWIW OXTHF JXESX = =

NR 003 NJ V WE8J 821291 RQ9I GR 05 = = AR AR

VVV DE 4XZ 4XZ = = AR AR

NW QTC 1 NR 892 = =
NR 892 EG V RQOG 837191 RQ3S GR 23 = =
RSRIR CPDPO TDNDL BDISB FLCZC LSRJD NNGEJ XSGDN DIRTN AWKBS
NYUYT AGELB FESMW DCQKJ SQOWO ZFNUU YMYDZ WNOYS XFJTX ATSIF
DYCAI CQZDD CMOKK NOPKC EELIC GFING ZMBOW JRDAB LQXKA CMAIC
DUEKZ CPDGO = =

NR 892 EG V RQOG 837191 RQ3S GR 23 = =
RSRSR CPDPO TDNDL BDISB FLCZC LSRJD NNGEJ XSGDN DIRTN AWKBS
NYUYT AGELB FESMW DCQKJ SQOWO ZFNUU YMYDZ WNOYS XFJTX ATIIF
DYCAI CQZDD CMOKK NOPKC EERIC GFING ZMBOW JRDAB LQXKA CMAIC
DUEKZ CPDPO = =

NR 892 EG V RQ0G 837191 RQ3S GR 23 = = AR AR

VVV DE 4XZ 4XZ = = AR AR

NW QTC 1 NR 992 = =

NR 992 CJ V WH8J 247191 RQ6P GR 53 = =

RPRPR QATER FAF0G RBEHT HJZWN PJIZM SDMAT IWAXF JDQSF AMQBA
UBFLG DOJJR NYWED JXULS WNCJD PCAOC BCPEA LZHLM IWRXJ YMMPQ
TMOHM WXIOO GKNWB ANNXU GUQBJ UJEQE GNRAL BBRMT SIZGB ZLZHX
ZSBKS GCKGT WWYZN FWXAS QATER = =

NR 992 CJ V WH8J 247191 RQ6P GR 53 = =

RPRPR QATER FAF0G RBEHT HPZWN PJIZM SDMAT IWAXF JDQSF AMQBA
UBFLG DOJJR NYWED JXULS WNCJD PCAOC BCPEA LZHLM IWRXJ YMMPQ
TMOHM WXIOO GKNWB ANNXU GUQBJ UJEQE GNRAL BBRMT SIZGB ZLZHX
ZSBKS GCKGT WWYZN FWXAS QATER = =

NR 992 CJ V WH8J 247191 RQ6P GR 53 = = AR AR

VVV DE 4XZ 4XZ = =

6607 kHz, 23-12, 1506 UTC, i.p.
--

NR 953 HR V QZ0B 016132 CN8R GR 08 = =

CLCLC NYETN EQGQK UZNYE AGODS EUIBY HYYHT CAGCT WBTHW MQFKW
IJPCE IXEPX RAIFK NGUJZ SEDIN KTITA QSTXK HXEMR FMKIC GREGL
KMWBL DYQMH ORDMT JGDBC FCRCN RQTTW MECVU PSSFG XDEXM GSDJB
UDZPI WQAWM KEBUL OETUC GGWTN PTOWN HZKPP LYIHR KNTLL WOMUH = =

AA GR 04 = =

SIZYC MJYLE XPAHD BRHLT KRQMB KDLXT NKXQS KINRV YRLXK WMRAK
QZUQS PSSMB OGGYD NCKNT LGQAS XWMVN HCZKO TPFKF HHOKV PZSCS
HHSYH YSAJB KMQXG JTKYY TPWBA ZJGGP FRT0J PBTDU BEXPY ETAFO
TYLFF YTRGB CWJWI XDWYN SFHRC NBJBM WNKRE MBCWC ZPCAL NYETN = =

NR 953 HR V QZ0B 016132 CN8R GR 08 = = AR AR

VVV DE 4XZ 4XZ = =

AR AR NW QTC 1 NR 853 = =

NR 853 SB V DU2S 145132 TS2Z GR 87 = =

TZTzt ECQST LETKT PNLDf ICIPM GZ0XY IHEGD GOWUI QOUKA CKRYE
AZKAT LGRFY TZNSY AURSK PTSHG WJAZD ZCFKE ZIBRL USXIL NZESU
YWKOW WJGMG GAIHW ADKCW LODAU XFCJL TBUQT YGJTS IAVBQ GWVKT
RDWNI NKTAZ BGGUG ZBNEL ILGCU QHMHD TBSRG GHCGD QUZIB AVLHQ = =

AA GR 04 = =

DVBDS IHXID IBYDX LAIXB ASNLP WZOKZ KTKJS IOXMI LWKNI NMFDA
XQSHR OWLYS PSFHI BYFBA YKYSK DTINL CQPZG KWHJJ XRHJA FNBPS
ADSNY POWQK RXQGC ZDOIU QIHUW ACPKT UBUFY IBGTQ QQESA LYWDG
HDBZO HJYPY APFUO HSCYB HBDRC CIDNA LMWIX ECQST = =

NR 853 SB V DU2S 145132 TS2Z GR 87 = =

TZTzt ECQST LETKT PNLDf ICIPM GZ0XY IHEGD GOWUI QOUKA CKRYE
AZKAT LGRFY TZNSY AURSK PTSHG WJAZD ZCFKE ZIBRL USXIL NZESU
YWKOW WJGMG GAIHW ADKCW LODAU XFCJL TBUQT YGJTS IAVBQ GWVKT
RDWNI NKTAZ BGGUG ZBNEL ILGCU QHMHD TBIRG GHCGD QUZIB AVLHQ = =

AA GR 04 = =

DVBDS IHXID IBYDX LAIXB ASNLP WZOKZ KTKJS IOXMI LWKNI NMFDA
XQSHR OWLYS PSFHI BYFBA YKYSK DTINL CQPZG KWHJJ XRHJA FNBPS
ADSNY POWQK RXQGC ZDOIU QIHUW ACPKT UBUFY IBGTQ QQESA LYWDG
HDBZO HJYPY APFUO HSCYB HBDRC CIDNA LMWIX ECQST = =

NR 853 SB V DU2S 145132 TS2Z GR 87 = = AR AR

VVV DE 4XZ 4XZ = =

AR AR NW QTC 1 NR 553 = =

NR 553 V JY1C 425132 KK8L GR 75 = =

KLKlK SWYOW FMBMO LZKSG TUABB EKNBM OIELB UGMRR YFIUT TSHTU
LAOZH GXOAK CJMNE ZBNFO MROTA YGEKB UDBYH EEZHI HKWST YHIRJ
ZONXK COASG UWABQ FQWGN OEJSP QOWTN MQAIY ASFMW ICNFP JMQRH

OKITZ XBKYQ KXOYE NNDLO QXOWA CGQKT CQRMI WLIYP JSAHZ KIBZY = =

AA GR 04 = =

PBXQT QFBCO YPAJZ RASHC BTKAE BUEQK OQDQZ EQSRJ KGFAP BTQZN
GOKAL PKJEJ NSHXD OBAZH HQEBI OQSSB SWYOW = =

NR 553 QH V JY1C 425132 KK8L GR 75 = =

KLKLL SWYOW FMBMO LZKSG TUABB EKNBM OIELB UGMRR YFIUT TSHTU
LAOZH GXOAK CJMNE ZBNFO MROTA YGEKB UDBYH EEZHI HKWST YHIRJ
ZONXK COASG UWABQ FQWGN OEJSP QOWTN MQAIY ASFMW ICNFP JMQRH
OKITZ XBKYQ KXOYE NNDLO QXOWA CGQKT CQRMI WLIYP JSAHZ KIBZY = =

AA GR 04 = =

PBXQT QFBCO YPAJZ RASHC BTKAE BUEQK OQDQZ EQSRJ KGFAP BTQZN
GOKAL PKJEJ NSHXD OBAZH HQEBI OQSSB SWYOW = =

NR 553 QH V JY1C 425132 KK8L GR 75 = = AR AR

VVV DE 4XZ 4XZ = =

AR AR NW QTC 1 NR 753 = =

NR 753 NL V ZH2K 725132 LQ8I GR 53 = =
LILIL AIKUB YXBZC CGYST IGPBB BSIPB IZFFM GEAYZ ZQLCL SWGRJ
WNCUK RMXJB ULCSB ADZUB NMIDT MTNSE DYMSA AGQUF OKCMP BXQRS
IRIIC SBXNU ZSIQI MLLCW KOGDL TAZLG SQPDC IWJLJ BEHJF TSSJA
TALGN BKXJR UACKH BKGZI AIKUB = =

NR 753 NL V ZH2K 725132 LQ8I GR 53 = =

LILIL AIKUB YXBZC CGYST IGPBB BSIPB IZFFM GEAYZ ZQLCL SWGRJ
WNCUK RMXJB ULCSB ADZUB NMIDT MTNSE DYMSA AGQUF OKCMP BXQRS
IRIIC SBXNU ZSIQI MLLCW KOGDL TAZLG SQPDC IWJLJ BEHJF TSSJA
TALGN BKXJR UACKH BKGZI AIKUB = =

NR 753 NL V ZH2K 725132 LQ8I GR 53 = = AR AR

VVV DE 4XZ 4XZ = =

AR AR NW QTC 1 NA 653 = =

NR 653 TB V HL5N 625132 AI8L GR 53 = =
ALALA DBEDY KGNEU GSMFH GSZXW XZSCN GQJQN ZFSWI QNEIO YIBJM
GEJHP YDNNN WLNLM AYWNH LCPFE CGLEK BQCYF BLYEN OOENL CERMG
ADZFC TQMAZ BPSUC FJLHN NXLXW ADFMU SCEIB NMUTE BWAUX DYPOO
FJWPM CWHRC GDLKX EFAYH DBEDY = =

NR 653 TB V HL5N 625132 AI8L GR 53 = =

ALALA DBEDY KGNEU GSMFH GSZXW XZSCN GQJQN ZFSWI QNEIO YIBJM
GEJHP YDNNN WLNLM AYWNH LCPFE CGLEK BQCYF BLYEN OOENL CERMG
ADZFC TQMAZ BPSUC FJLHN NXLXW ADFMU SCEIB NMUTE BWAUX DYPOO
FJWPM CWHRC GDLKX EFAYH DBEDY = =

NR 653 TB V HL5N 625132 AI8L GR 53 = = AR AR

VVV DE 4XZ 4XZ =

9318 kHz, 29-12, 1447 UTC, i.p.
--

NR 934 JP V JS9M 744192 NB2E GR 94 = =

ZXZXZ AASSA WRQSM PYHPM LHDKT QKLQJ KWEZH CPWFR DPERP EYFHG
KTTWM JLLNW BQEEB KYCRF JNRGH TNRLD JKQPJ YXBRH WGBBD HZDSL
KHULW ZBJFL GRSHO HUFFO FSKOA AOJLX SZZGK PCWIP IEJPJ FRAPR
WBPSN IXLNA IRTEX OCLAW ABPTU GUEGB IAFFF IOJJI EIDJX XYFLT = =

AA GR 04 = =

DUKJZ LLNSA EJWBT FUZHF DWYWB OAWSN PXRZB KPJQG AASSA = =

NR 934 JP V JS9M 744192 NB2E GR 94 = =

ZXZXZ AASSA WRQSM PYHPM LHDKT QKLQJ KWEZH CPWFR DPERP EYFHG
KTTWN JLLNW BQEEB KYCRF JNRGH TNRLD JKQPJ YXBRH WGBBD HZDSL
KHULW ZBJFL GRSHO HUFFM FSKOA AOJLX SZZGK PCWIP IEJPJ FRAPR
WBPSN IXLDA IRTEX OTLAW ABPTU GUEGB IAFFF IOJJI EIDJX XYFLT = =

AA GR 04 = =

DSKJZ LLNSA EJWBT FUZHF DWYWB OAWSN PXRZB KPJQG AASSA = =

NR 934 JP V JS9M 744192 NB2E GR 94 = = AR AR

VVV DE 4XZ 4XZ = =

M23

M23 returned probably on the 21st with two daily transmissions on 5345 kHz at 0856 and 1856 UTC. Both repeated for 20 minutes.

5345 kHz, 21-12/31-12, 0856 UTC ST3 (R 20)

5345 kHz, 21-12/31-12, 1856 UTC ST3 (R 20)

M51a / M51b

M51b: 3881//6825 kHz, 17-12, 1143 UTC

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

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

GDHSJ WNDHE AUJSK QQLAO NBGFV QLMAP JKDUR JSNWK EUIOK HNDTS
IKGCV 37628 AYSGX WBSUJ YHYTG DHSJQ BHDTR FJAIA 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 BWSNJ AKUJH DGVXT

GBXVD QJAUD WNQMA QPLHJ FGCVR QKJHF VXBET SFQGA JKWIR TGQLP
YHDJZ BWSNJ AUJQK 28765 01753 GBCHS WBSJA WNQJK AIKSL QMAPH
YUHDJ SJBSF VXHSF QHAUJ WNQKA IKDGV 63784 BGCJD XNSJR SJHQK
HBCJD WVSJZ 3764/ WNHSF QJHAU RTDGC XMLQI KDHSB XNDGR SHGIM
KJFHC XNWSK ZIJAK WKQLA YHDOL 67849 NXKDJ SHWBS IJDGZ WNBCH
UJDKL WNBCH DFZRS WBWNU ZHSGQ AJHJU 78356 WBXVD QJHND UJDHB
WCXVS QHAMQ WNHZI JQKAL HNBCH DUJXB VWGDT ZRFSX WNBHU UHFGC
VXHSD WXCSE ZYHQB WNBHX ZUJAL KNJUH BXHDF 65382 BXNSH JQHBX
WNBCH FGDHZ WJQKZ HBXKS IAJHF BXNDK SLKWH DYXHR SKZLF

BHCGF DUEJS QKALP MQLOI RTDHS WVXCD FSGQU JQKAO LQMNJ DBXVF
WNSJQ AUJTG HBCVD 45278 10945 SCXVN QNHJA ZUJDI QKALP MLIKH
UJHNB CGDTE SGQTA ZGWJQ AJQKL 23492 HBCGD XNWQJ SDZOL APMQJ
HGBCV KQLAO UJFGC XVDTR 45378 WBDGY 68642 DHBXJ QNJAK LWMQI
UJDOL IKHBV FGCUR SJNWK QKLAM PLATF RUDGC XVWSH QNBHJ DKJKI
XGDHS WHNDK QKAIU RTDFS XNHJD JKJHG QKLAM LPWOR DFZHW XVCHS
DUJQK YHWHQ XCVSH QNBHW 23528 6YERS XCWHQ HNGTR 65473 HSJQK
JQKHN XCDGZ 352// HNCVX SJQUA JQKLP MQJBG RTDFC XVWHQ YHTRF
VXCWD QHAUJ QKALP 45739 HBCGF RTSHQ AIKDG XVWBQ ZYAJK

FVXGQ AHWJQ AJKQL AMPOU HNXJD SHWBD RTSUA JQIKD XHSIR ZUQYH
CWVQH AJNWK QLAU 45723 ZUJDG XVWHQ 65107 DGSHA BWNDG OLAUH
BCHDF XVWHS 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 NWHDH 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 AJGVB 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 CHFVY 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

etc.

M51b: 3881//6825 kHz, 18-12, 0836 UTC

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

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

GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGRTC XVQJA JUHKD
VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO
YHDT C XVSFE ZHQJA KJQUH NWJFG HRTYU SKLOI MQPAZ BHPAK UJDGC
45270 37658 XVCBD WNQHA JKQLA MPLIK JNDGR VXGQJ HDKRT UJFHV
BCNXH WJQKZ KALMP OIRTD FHCXV 01878 DHNCJ SKRTZ SJWNQ HNGTR
XCWVS QNBHA JQKAL MQLKO PAOQL NCHFG RTDFX WBQJH GBDJX

GBCHX WNQJZ AKOLQ PMAIJ NBCVX GSHQJ BXJTG ERZUA QIKLA PMQJK
IKHNG 23401 HBCJD SUJET ZUJQH AOLQP MQNHB WJUTF CJDGR UJDOL
QPM AU DJSLS WBGCN JHDGX VGDUR HDFCV 74638 UJDGS WJNQU PMAKD
XLQUH FGCRZ SGQHA WKQJU YGHST 46329 OLDHC XBQKA UJQKL IKHNF
CVSGZ WHQYA BWHDT QJAIK QLMAP JGHDT VXHSY ZUHSQ JWNHZ KLQPM
HNDJS WVBXD QHAUJ TGDUR SJQKI 30187 HBCJF XJQKI HBWGD

etc.

M51a: 3881//6825 kHz, 18-12, 0920 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ
VENDREDI-LEÇON NUMÉRO 15-1/1 VITESSE 960 CODÉ =
HBCJX NWHSE ATSGQ JKWLA MQPOI AKOSL QJNUR DTGSF CXHWU ZJQKA
GDJSU 45632 ZIJSK XNBWJ 76018 HNDJX CHTYD QJKAL WNJKQ MALIK
IKJQN CXFDR WHNQJ AKJQL KIJDH BXVSF ZTAYH SJNHJ RYGDW DFSGD
JWNYH FKSQK LAMPO BHODF XHOSL EYTSF 35263 HSNWJ QKAJU OLAPM
HNDJS VWGRT SHQJA 6537/ HBXJD WNQJA UHGDG GDOLQ GBCHX WNQJU
CGDHA JQKAO LQMAO JNVGD XCWVQ HBWJA UHYGT RFSJQ GBCHX WNQJA
QGDJS WNHYR JKSLQ AOLKJ BCJFG XVDGR SYHZU OLQJH BCJOD XCSLA
WLWLW DGBUS 53762 QHNWJ AOLJK FGCHS GKQLZ OLQMW BXNDG ZRSDO
LAMPK HBCJD XIJXK UJSOK 65038 MAHDG XCFSK QLAIU HDJSK QMAPI
UJDGB XGDVR ZTGSU AJQKL PAMKF IAHOH DGXVS HNWOR ZTSFA KLQMA
OKIHU YGFTF 10964 BCNDH XJQKE SIKAP UJDLQ BWNER ZYHSI QKALM
WMAPL WNCVF PMAUJ YHTGR CGDTR 45393 NXHRT +

VENDREDI-LEÇON NUMÉRO 15-1/2 VITESSE 960 CLAIR =
POUR LES MILITAIRES DU RANG QUI SOUHAITENT DEVENIR SOUS-OFFICIER, IL Y A DEUX POSSIBILITÉS : PASSER PAR LA VOIE SEMI-DIRECTE, OU PAR LE RECRUTEMENT RANG. LA VOIE SEMI-DIRECTE EST AU CŒUR DU RECRUTEMENT DES SOUS-OFFICIERS CAR BIEN QUE PLUS EXIGEANTE EN DÉBUT DE PARCOURS, ELLE OUVRE LARGEMENT LES PERSPECTIVES DES CARRIÈRES JUSQU'AUX GRADES LES PLUS ÉLEVÉS DU CORPS DES SOUS-OFFICIERS. COMME DANS TOUS LES RECRUTEMENTS, PLUS ON EST RECRUTÉ JEUNE, PLUS ON A LA POSSIBILITÉ DE DÉROULER UN PARCOURS PROFESSIONNEL ATTRACTIF ET COMPLET, SOULIGNE LE LIEUTENANT-COLONEL, DU BPRH LA DRHAT. +

VENDREDI-LEÇON NUÉRMO 15-1/3 VITESSE 960 CODÉ =
GFCDX QHNWJ AUJDT 35627 9017/ HNXVW SHQJA ZUHDT SJKQM PLIKB
CGCFD XBWCD QHJAK QKOLA YHDGR HDFSU ZKQLP LSHGR PABHF PAHDF
XHBFG WNQJY TGDFC XHSYR 68393 BWJFY CHQJZ JWNHF UJAFQ LDKPD
HSPLB CHFTR WNHDU AJIDO SKQGR ZHQJC BXJQK WLAIJ UTYDF POGUT
OFGCR XOKQL SJUTC 65381 YHBIJ KQGTG 563// HBCJR QKALP GBCHR
QKAJU YHDOQ LPM AU HBCGV XNWSH QJHBT DUJZI QKAOH GBCOQ BWNHT
MLAUH VBDTR SGQHA HWJQK AKLPA BHCYT FGSUJ HWXCD SHVWC XJDUY
HBKLM MQNBH XHTGF SHQUJ HNVFR 54783 MPJUG HXCDY SJQIA NVGDY
QHWFV XHQJR SUJAO QMAHJ DHBVX WHFTR SJKAL OQFGO BXJGY 96740
YHDVC VVFRT /5637 HWBXI AKQLP MQBGT CVXJQ ZUJFK SKQMA MLGBH
DFXRS QHAUY DHSJR KLQTG VXHR 46387 VGDHU BJDTR WBQJH LMQHM
VBXHT DFSJH HSIES CWVXH CJHQL MPJKY HGBVT CFDJD +

VENDREDI-LEÇON NUMÉRO 15-1/4 VITESSE 960 CLAIR =
ORGANISÉE EN NORVÈGE TOUS LES 2 ANS, CETTE MANŒVRE MULTINATIONALE INTERARMÉES DE NIVEAU OTAN OFFRE UN CADRE D'ENTRAÎNEMENT ET DES CONDITIONS EXTRÊMES UNIQUES EN EUROPE. ENVIRON 15000 HOMMES ET PLUS DE 14 NATIONS Y PARTICIPENT. NORVÈGE, GRANDE-BRETAGNE, ALLEMAGNE, SUÈDE, FINLANDE, CANADA, BELGIQUE, ETC., TOUS ONT DÉTACHÉ POUR L'OCCASION DES UNITÉS SPÉCIALISÉES. C'EST CONFIRMÉ ET RECONFIRMÉ: LE PONT DE SKOGSTAD VIENT D'ÊTRE DÉTRUIT PAR L'ENNEMI. IL FAUT REVOIR NOTRE MANŒVRE, ANNONCE LE CHEF DE BATAILLON PIERRE LOKNER, CHEF DES OPÉRATIONS. DANS LA TENTE DU POSTE DE COMMANDEMENT, SOUS LA LUMIÈRE DES NÉONS, C'EST L'EFFERVESCENCE. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 18-12, 1023 UTC

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

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

YUTGD SGQHA ZBWHF QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCXV WNHYE XYCVJ DSHSR AYHSF QUJWC XLOKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCXV
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT
XBVXH SHNWJ QKALP MQJNH BCFVR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSCG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHMLD
VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFERS MFMFM

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

HNDJS XVBZ QKPAH DJNCJ RTSHZ UJQKZ 63829 UJDGC VVKZO ALKFG
JKDUJ NXVDG ZUJDL SMQOZ SBXCF DGHLR DGSZH WJQKR DGVFH CNXJR
UJDBC OLRYS WJQKA ZOKDL 46372 BXNWJ SJQKZ AOLPF GCBXJ SKZUY
PMJHF BCFRT DYKZP SKZPI KUJFH XVCGC XHNDJ RUGHS ZKQMP ZUJDG
OYHFG CBXKR SGZUJ SKQIK ZUJPS HXBCH NBVJT 84735 HBCJD XNSJR
PJBRL DMSKN WNKQP DHBCK RTDGS PLHJR DGCJZ SJZUC VVKJH

etc.

M51a: 3881//6825 kHz, 19-12, 0900 UTC

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

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

SAMEDI 2/LEÇON NIMÉRO 2/2 VITESSE 600 CLAIR =
LE PRIX DU GRAND JURY REVIENT À DANIEL GRENON POUR \ HARKIS SOLDATS ABANDONNÉS \. CE LIVRE RASSEMBLE DES
TÉMOIGNAGES DE CES SOLDATS ET AUSSI D'OFFICIERS, \ HOMMES D'HONNEUR \, 50 ANS APRÈS LES ACCORDS D'ÉVIAN. PRÉFACÉ
PAR LE ROMANCIER ET DOCUMENTARISTE PIERRE SCHÖNDERFFER, \ HARKIS, SOLDATS ABANDONNÉS \ DONNE LA PAROLE À SIX
HARKIS ET QUATRE \ HOMMES D'HONNEUR \. 50 ANS APRÈS LA GUERRE D'ALGÉRIE, DANS CES TÉMOIGNAGES INÉDITS, ILS
REVIENNENT SUR LEUR PASSÉ, OÙ HISTOIRE PERSONNELLE ET HISTOIRE SE SONT MÊLÉS. +

CQ DE FAV22 VA

M51b: 3881//6825 kHz, 19-12, 0950 UTC

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

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

GDFSQ BWCXV SDARF STYUI QLOMA YTGDF RTGSR ZCWVS QNHNB VCGFT
PMAIK NCVXG QJKIH KAUER SQFZR ATGDT 45273 KQLAP MOAUJ BCNGY
YHTGF DJSUY RTZXW QCAVB 20197 HNDVX RYEGH DKJBD CNBVX WJQUW
YHDGE ZUSHQ WNBXV ZUJAI KQLAP MQNHJ WKJIU YDHGF ETSFZ WMAPL
YHUGF XBWHZ QJAHU WKQLM 37265 WVSDA BWNJK QLAPM OLQJH NWJIO
TGETS WVXCQ AMPJU WNLQI KQLHJ 46276 WCXVD QGBNH AZUJK QLAMP
PMLKJ NWBVF CHERZ AYHSU WNBJU YHSDQ WGBDV 34269 WNBDO QJAKI
IKJHB CVXFE ZRSFQ AWNHJ QKALI NWBCG RTFSV 18056 XCDVF 25472
YHDGX WNBQJ AUJGD WJNKL QMAPO LUJKD XCWVS ZRFAT WHQJY BUHFS

YUTGD SGQHA ZBWHF QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCXV WNHYE XYCVJ DSHSR AYHSF QUJWC XLOKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCXV
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT

XBVXH SHNWJ QKALP MQJNH BCVFR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSCG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHML0
VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFERS MFMFM

GXBWH QJNAJ QKALO QMLKA UJSHD GBXJW SUZTQ AJHDK SOQMA IKDJS
37281 89374 AIKDH WNBSH APLDJ SKAMP DJSKZ QJAKI QOLAI PDJSH
WBSGZ 37628 QJNAK WJHSU AIKDM SIKAP QMALU QJNHD GDHSJ ZUHQJ
AKJQL IJWNB XKCVD QKAJM SPJHF XHNDJ SUJZO QKKAP WNBCH YHDNW
PLQJU ZIKSM QLKAO YHDGX 53728 10197 XBDGS QNWJR SJZKA PLAHJ
WVXBD QHAJE SKALP QMLAK JHSGD VXBWN QJHAU SJETS ZJHQB YHSLK
APMSH WVCGD FMAPL WNBXJ DYHEU 32763 WNBXH SJZKA ILSJH HJDKZ
WBXVS QJAHJ 28719 YGDHX HDGZU 6735/ WBJXU DGAPM WNQHZ HJSKA
WVXJE SJZHQ AIKSP QLKAU DGCXV WBSHZ QUJAG SJQKZ APMHF UALDP
WNBXJ ZYSGQ 37219 WBXHD YZIGH QKJNI AIKDL WMQPH BCHRT TGSCV
AUJDG WBVXH QKJAP OGDVX WGFRT SHAUJ 45287 BWNSH ZUJAP YHDKA
IOAHG VCFDC XBWHX ZJHNN QKAOL DHSUY //367 GBCJF XJSIK

etc.

M51b: 3881//6825 kHz, 23-12, 1443 UTC

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

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

GDFSQ BWCXV SDARF STYUI QLOMA YTGDF RTGSR ZCWVS QNHNH VCGFT
PMAIK NCVXG QJKIH KAUSER SQFZR ATGDT 45273 KQLAP MOAUJ BCNGY
YHTGF DJSUY RTZWX QCAVB 20197 HNDVX RYEGH DKJBD CNBVX WJQUW
YHDGE ZUSHQ WNBXV ZUJAI KQLAP MQNHJ WKJIU YDHGF ETSFZ WMAPL
YHUGF XBWHZ QJAHU WKQLM 37265 WVSDA BWNJK QLAPM OLQJH NWJIO
TGETS WVXCQ AMPJU WNLQI KQLHJ 46276 WCXVD QGBNH AZUJK QLAMP
PMLKJ NWBVF CHERZ AYHSU WNBJU YHSDQ WGBDV 34269 WNBGD QJAKI
IKJHB CVXFE ZRSFQ AWNHJ QKALI NWBCG RTFSV 18056 XCDVF 25472
YHDGX WNBQJ AUJGD WJNKL QMAPO LUJKD XCWVS ZRFAT WHQJY BUHFS

YUTGD SGQHA ZBWHF QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCXV WNHYE XYCJV DHSRZ AYHSF QUJWC XLOKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCXV
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT
XBVXH SHNWJ QKALP MQJNH BCVFR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSCG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHML0
VCGRT SDZJK AHNBX 36829 WNBGD RTSGZ 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFERS MFMFM

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

DHIQU VCGSH PELEO XAEZ NCBDG MVNBT PTOTI BVNVE SWREG 02589
NCDIE ,.VA'+ NCBDH MNLHK CXSDW ASQWE CVXBW LGRPO CBHYW NVVNR
45896 BCSHW .,?'/ BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKE
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 =.+?' 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

etc.

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

SAMEDI 3/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820
BCSMK ?VA,./ FPORE POPEW SBAVW BAVES FLRPO NVBDY LEORP LOPEY
/./,' BXAHQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ +?.AS VA FNDJE FLAME XVTG SHAME CNBEJ
SIZED ANDUE ZEPLI 12548 SAQWD .,?' JJFRU ASILE XVSGW ADIOS
WALTI XCWTG ALSPO XBNMK 11478 XZAYG /'AS?, LIUTO SFWTJ BADAM
BIPOL VAQGS BILBO FRODO PIPIN 04789 PGUTI ?.,' = CXSEF JGRDK
LGPRK +

SAMEDI 3/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
CETTE UNITÉ A DÉSIRÉ CONNAÎTRE LA FAISABILITÉ ET LE TEMPS POUR EFFECTUER UN RRT AVEC DEUX LIGNES EN SIMULTANÉE, UN ACCROCHEUR (POUR LE RÉSERVOIR PRINCIPAL DE L'AÉRONEF) ET UN PISTOLET D'AVITAILLEMENT ÉTANCHE À ARRÊT AUTOMATIQUE (POUR LES DEUX RÉSERVOIRS ADDITIONNELS). LE SEA A ACCEPTÉ DE RÉALISER CETTE ÉTUDE. LA DELPIA, EN CHARGE DE CE DOSSIER, A DEMANDÉ À LA DGA DE VENIR RÉALISER LES MESURES DE CHARGEMENT ÉLECTROSTATIQUE LORS DES ESSAIS ET AINSI VALIDER LA NOUVELLE PROCÉDURE. FIN JUIN, LES ACTEURS DE CETTE EXPÉRIMENTATION SE SONT DONC RETROUVÉS SUR LA BASE DE LANVÉOC.
+

CQ DE FAV22 VA



The DIRISI transmitter site of the 8ème Régiment de Transmissions in Vernon, home of FAV22. Picture © Google Earth.

M89 - Chinese Military

6576 kHz, 05-12, 1018 UTC, i.p.

NR QSL 1818 K
7G 7G NU5 NR 4367 CK 6916 220 . 18.0819 NMKS 1877431. 18773.. K
NR 6U QA EEE RO U GA K
NR .7G BT BT .6U.A 3 3U7D A5T ...

5516 kHz, 11-12, 1108 UTC, i.p.

UT6U 43DA 5D76 5U7D 4U5T
AR QSL ?
K
R U 7G GA
R GA K
R RPT 29W K
R QSL 1915 K
R QSL 1915 K
R QSL 1916 K
R HR WK NR 23 K
R NIL SK K

4220 kHz, 15-12, 1146 UTC, i.p.

RMKS 6D8V TO CM7B K
RPT K
R K
R TIME HR P.. TIME BT 1945 K
R OK
R BT BAB7 5D3T 76T4 6DUN D ...
RMKS CM7B TO 6D8V K
R

4847 kHz, 15-12, 1125 UT, i.p.

HR WK NR 522 AR
DE Z4HG QSL ..1922 HR WK NR 210 AR
DE .. QSL ..192. HR WK NR 120 K
R DE I..H 7 QSL DTG 1922 HR WK NR .. K
R DE X.FN QSL DTG 1923 HR WK NR 4.. K
QSL DTG 1923 HR WK NR 115 AR
DE 2F8D QSL DTG 1923 WK NR 6026 K
DE KY.3 QSL DTG 1923 WK NR ..10 AR
VVV BTF3 K
VVV BTF3 K
... QSL 1923 WK NR 120 K
NIL SK
R NIL SK PSE

4250 kHz, 28-12, 1149 UTC, i.p.

DE L25Q CL K
R HR MSG GA K
HR MSG GA K
HR MSG GA K
R HR MSG GA
NR 003 CK 99 67 1228 EEEE
KCL8 DE L2HQ CL K
HR FF GA K
R VVV FF NR 001/EX 1951 MM EEEE
FF NR 001/EX 1951 RMKS 5763 TO 5973 =
KC5/BBL
FF NR 001/EX 1951 RMKS 5763 TO 5973 =
KC5/B6L AR
FF NR 001/EX 1951 RMKS 5763 TO 5973 =
KC5/B6L AR K
RPT

U FF GA K
R GA

5133 kHz, 28-12, 1414 UTC, i.p.

R HR WK NR 7019 K
R HR WK NR NR 7223 K (Appears to be outstation frequency)
R DE NA8P R K
R QSA 2 K
R IEC = S4QN AR K
R HW WK NR 7878 K
R HR WK NR 7878 K

5315 kHz, 28-12, 1418 UTC, i.p.

R RPT K
R RPT K
R RPT K K
IEC = A5FG AR K
R U WK NR GA K
R RPT K
R DP VV 8OA DE K8VS K
R ZSA 3 ZSA ? K
R IEC = 4TDP K
R U WK NR GA K
R DP
VVV W9ZL DE K8VS K
VV W9ZL DE K8VS K
VVV T5CK DE K8VH K
VV T5CK DE K8VH K
VV T5CK DE K8VH K
HR WK NR 7..2 K
HR WK NR722 K
R HR F GA K
R HR
F NR 9811/EX 2224 RMKS CQ =
M..N/65DG AR

4667.75 kHz, 30-12, 1115 UTC, i.p.

C3U/R7 AR =
C3U/R7S AR K
N QSL 1910 K
R OK K
NHR MSG GA K
R GA K
R MSG NR NR 8166 CK 200 22 1230 1900 RMKS 7946 TO 7987 = =
U7T. TADU 5T46 43UD T4.5 3UND 63AN D7N3 D74T 5NU3 N65A 3U7T T7ND T573 ...

5029 kHz, 30-12, 1115 UTC, i.p.

8IC DE MPU7 K K
R R MSG GA K K
NR MSG NR 3239 CK 91 96 1230 1916 RMKS = 2420 TO 2986 AR K K
R R HR NR = 3239 K
R R = = 4N6D 43AD 4665 4736 6U7D 744A 7TA6 D7AT TA6T TTU4 UA7U 5U45 ...

7062 kHz, 30-12, 0847 UTC, i.p.

/F2697/F2686/F2627/F2600/F2668/F2664/F2651/F2603/F2671/Z0084/F2673/Z0267/F2681/F2602 AR
QSL ?
HR WK NR 01 (First time I've seen this format being used by M89)
R RPT 10W to 11W =
F2600/F2668 AR K (This was a 20 group message)

7889 kHz, 30-12, 0828 UTC, i.p.

QSA 2 QSA ? K

R = 8579 AR K

OK

R OK

R HR WK NR 08100 K

R 3=P DE 7VUF R QSA 2 QSA ? K

R OK K

R OK K

R OK K

R HR WK NR 0907 K

R HR WK NR 0907 K

R SK

R 3=P DE N5BA R QSA 2 QSA ? K

R OK

R OK

R HR WK NR 1002 K

R SK

N 3=P DE DFN1 R QSA 2 QSA ? K

R OK (Outstation frequency)

N HR WK NR 1108 K

R SK

M95 - Chinese Military

4243//9054 kHz, 03-12, 1156 UTC

AR A HR 7G GA

NR 023 CK 15 35 1203 1554 =

UT5 TT3 3U6 3A4 TTA TTU TT3 773 35U U4T

353 4A5 446 4D6 3DU AR MSG AGN

NR 023 CK 15 35 1203 1554 = (Repeats message)

AR A HR 7G GA

NR 06 CK 145 35 1203 1606 =

UTU TT3 3U6 3A4 TTU 773 35A U4T 353 4A6 ...

8073 kHz, 03-12, 1130 UTC, V26: USB. XSV85: callup in Chinese voice

8073 kHz, 03-12, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

8073 kHz, 03-12, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1119 CK 22 35 1203 1636 =

TAU N5U TT3 N53 TAD N54 7TT TU5 746 7T5

77T DN3 7T7 76U NUT UUD 773 7AN 7AD N47

3AN 7U5 AR A HR MSG GA

NR 1120 CK 381 35 1203 1637 =

TT3 336 3AN 3U7 TAU 773 TA7 773 ...

4243 kHz, 05-12, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 05-12, 1148 UTC, M95: CW

V HR 7G TO PSE CY

NR 10 CK 139 35 1205 1546 =

UTU TT5 3U6 3A4 TTU 773 35A N3D 353 33N N3U (Cont'd)

4364//8073 kHz, 05-12, 1139 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1127 CK 234 35 1205 1647 =

TT5 3U6 3AN 3U7 TAU 773 353 4T3 NN3 44D 3D6 (Cont'd)

4620 kHz, 05-12, 1009 UTC, i.p.

CK 31 33 1205 1855 RMKS 8986 TO 8908 =
U6DU N66N 3DNU 66D6 NUU6 3D3D UN36 (Cont'd)
AR K
05 05
VVV HR 7G GA K
HR 7G GA K
R 7G PSE SGA K (Other station also on this frequency)
R 7G NR 014/CCK CK 31 33 1205 1855 RMKS 8986 TO 8908 =
U6DU N66N 3DNU 66D6 NUU6 3D3D UN36 T75T TT3T
TTT5 4757 UDN3 3N.D NU66 D3NU A74A 75AT 44T4 5T57
3D6N DD36 D3UU N33N 4AA5 7454 T554 7A45 UN36 N6DN
D33D 3NDU AR K
R RPT .W K
R RPT 4W = 66D6 AR K
R RPT 09W K
R RPT 09W = TTT3 AR K
R QSL 1859 K
R U 7G GA K
R 7G GA NR 014/CCK CK 31 33 1205 1900 RMKS 8908 TO 8986 =
U6DU N66N 3DNU 66D6 (Repeats message previously sent) AR K
R QSL 1910 K
R HR NR PSE . 312 K
R HR WK NR 22370 K
R OK R SK SK
R SK

4243 kHz, 09-12, 1150 UTC, i.p.

PSE CY
NR 006 CK 56 35 1209 1531 =
5AA UTT TTN 3U6 3A4 5T7 5TD 75U 354 N3D 35U (Cont'd)
AR A HR 7G GA
NR 18 CK 162 35 1209 1558 =
UTU TTN 3U6 3A4 TTU 773 (Cont'd)

8073 kHz, 09-12, 1155 UTC, i.p. M95: CW

8073 kHz, 09-12, 1157 UTC, V26: USB. Message repeated in Chinese voice

NR 1144 CK 31 35 1209 1635 =
TAU N5U TTN N53 TAD N54 7TT T47 746 7T5
77T DN3 7T7 TAU 773 TA7 773 TAD 773 TU4
773 TU5 773 T56 773 756 7AT 7AD N47 3AN
7U5 AR AR A HR CM WK AHN CJ EEEE AHR 12 WK

4243 kHz, 11-12, 1150 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages i.p.

4243 kHz, 11-12, 1158 UTC, M95: CW

VVV MSG TO YR PSE CY
NR 047 CK 19 35 1211 1557 =
UT5 TAA 3U6 3A4 TTA TTU TT3 773 35U 33U
357 37D 4UT 336 N3D 4AD 445 4D6 3DA AR MSG AGN
NR 047 CK 19 35 1211 1557 = (Repeats message)
AR A HR MSG GA
NR 22 183 35 1211 15558 =
UTU TAA 3U6 3A4 TTU 773 35U N3D 353 34T (Cont'd)

8073 kHz, 11-12, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

8073 kHz, 11-12, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

8073 kHz, 11-12, 1143 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 1149 CK 418 35 1211 1642 =
TA. 3U6 3A. 3U7 TAU 773 353 4T3 NN3 (Cont'd)

4243//9054 kHz, 15-12, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 15-12, 1149 UTC, M95: CW

VVV MSG TO YR PSE CY

NR 018 CK 35 35 1215 1544 =

5AA UTT TA5 3U6 3A4 5T7 5TD 75U 357 377

4A5 446 3DU 4D6 75D 4D3 5TN 75U 357 377

4A5 447 3D4 4D6 75D 4D3 5AA 75U 35A U4T

353 4A5 445 3DA 4D6 AR 7G AGN

NR 018 CK 35 35 1215 1544 = (Repeats message)

AR A HR 7G

GA

NR 30 CK 138 35 1215 1615 =

UTU TA5 3U6 3A4 TTU 773 35A U4T 353 (Cont'd)

4364//8073 kHz, 15-12, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 15-12, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 15-12, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 1163 CK 232 35 1215 1625 =

TA5 .U6 3AN 3U7 TAU 773 TU4 773 TU5 773 TU6 773 756 (Cont'd)

4243//9054 kHz, 21-12, 1153 UTC, i.p.

AR MSG AGN

NR 030 CK 19 35 1221 1525 =

5AA UTT TUA 3U6 3A4 5T7 5TD N44 5TN N44

5AA 75U 35A U4T 353 4AA 445 3DA 4D3 AR A HR MSG GA

NR 42 CK 140 35 1221 1535 =

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

4364//8073 kHz, 21-12, 1130 UTC, V26: USB. Callup in Chinese voice

4364//8073 kHz, 21-12, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 21-12, 1144 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 1198 CK 419 35 1221 1643 =

.TA 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 NN3 (Cont'd)

4243//9054 kHz, 22-12, 1153 UTC, i.p.

VVV HR MSG TO YR PSE CY

NR 088 CK 23 35 1223 0627 =

UT5 TU3 3U4 3A4 TTA TTU TT3 773 353 N3D

35U 4AA 343 N3D 4A5 447 4D3 336 N3D 4D6

3DU N3D 3D3 AR 7G AGN

NR 088 CK 23 35 1223 0627 = (Repeats message)

AR A HR 7G GA

NR 033 CK 29 35 1223 0645 =

5AA UTT TU3 3U4 3A4 5T7 5TD N44 5TN N44

5AA 75U 353 N3D 35A 4AA 343 N3D 4A5 446

344 N3U 447 3DU N3D 3D3 4D3 N3D 4D6 AR MSG AGN

NR 033 CK 29 35 1223 0645 = (Repeats message)

AR A HR 7G GA

NR 45 CK 113 35 1223 0707 =

UTU TU3 3U4 3A4 TTU 773 353 N3D 35U 4AA (Cont'd)

4243 kHz, 23-12, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 23-12, 1149 UTC, M95: CW

VV HR 7G TO YR PSE CY

NR 034 CK 42 35 1223 1536 =

5AA UTT TU3 3U6 3A4 5T7 5TD 75U 35A U4T (Cont'd)

AR 7G AGN

NR 034 CK 42 35 1223 1536 = (Repeats message)

AR A HR 7G GA

NR 46 CK 155 35 1223 1546 =

UTU TU3 3U6 3A4 TTU 773 35A U4T 353 4A5 (Cont'd)

4364//8073 kHz, 23-12, 0001 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 23-12, 0005 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1206 CK 36 35 1223 0713 =

TAU N4A TU3 N53 TT7 N54T 7TT TUU 746 7T5

77T TN3 7T7 TAU 773 TAN 773 ..773 TTA 773

TTU 773 TU3 773 TU4 773 TU5 773 TU6 773

TT7A N 7AD N 73A 4 7U5 AR

A HR 7G GA

NR 1207 CK 110 35 1223 0714 =

TU3 3U5 3A4 TAU 773 353 (Cont'd)

4364//8073 kHz, 23-12, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 23-12, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1208 CK 445 35 1223 1638 =

TU3 3U6 3AN 3U7 TAU 773 353 4T3 NN3 446 (Cont'd)

4243//9054 kHz, 27-12, 1153 UTC, i.p.

AR MSG AGN

NR 042 CK 30 35 1227 1529 =

5AA UTT TU7 326 3A4 5T7 5TD N44 5TN 75U

353 N3D 354 36U 4.4 445 3DA 4D4 5AA 75U

353 N3D 354 36U 4T3 NAT 4T7 445 3DA 4D4 AR A HR MSG GA

NR 54 CK 147 35 1227 1611 =

UTU TU7 3U6 3A4 TTU 773 35A N3D 353 4T3 (Cont'd)

4364//8073 kHz, 27-12, 1153 UTC, M95 i.p.

4354//8073 kHz, 27-12, 1200 UTC, V26: USB. Messages in Chinese voice

3D5 34T N3D 4T3 NN3

AR A HR 7G GA

NR 1218 CK 34 35 1227 1618 =

TAU N5U TU7 N53 TAD N54 7TT TTA 746 7T5

77T BT6 4TA 7DT N.7 N65 7T5 4TN NAN 74D

NTN N53 336 T3U 7A3 777 764 NUU UUD 7N.

7AD 6T7 3.N 7U5 AR

4243 kHz, 28-12, 1157 UTC

VV 7225 DE 7227 7225 DE 7227 K

R 7227 DE 7225 K (Both stations on this frequency)

R QSA 2 QSA ? K

R QSA 2 IEC BT 7529 AR K

R IEC BT 1120 AR K

R U SB EEEEE R U 7G GA K

R HR MSG GA

R (1159z)

R HR 7G GA

NR 1001/CCK CK 30 78 0101 2000 RMKS 7227 TO 7225 BT

2AAU 4UTT TTTT 4T3N A6AT AUT7 TDUU U33U 7N4U 73U7 3U36

D336 U3UD 3T7N ND33 ...

AR QSL ?

R RPT CL K

R RPT CLS K

R HR RPT CL 1001/CCK K

R RPT CLS K

4364//8073 kHz, 28-12, 1133 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 28-12, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2) HR MSGS GA

PSE CY NR 1221 CK 349 45 1228 1611 =

TUD 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 ...

4243//9054 kHz, 30-12, 1144 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 30-12, 1149 UTC, M95: CW

VV VV V VV HR 7G TO YR PSE CY

NR 048 CK 57 35 1230 1543 =

5AA UTT T3T 3U6 7TA N44 3A4 5T7 5TD 75U 354 ...

AR 7G AGN

NR 048 CK 57 35 1230 1543 = (Repeats message)

AR A HR 7G GA

NR 020 CK 19 35 1230 1628 =

UT5 T3T 3U6 7TA TTA TTU 773 4UT 447 46D

TT3 773 44D 345 DA5 N34 447 DD7 NT6 AR 7G AGN

NR 020 CK 19 35 1230 1628 = (Repeats message)

AR A HR 7G GA

NR 021 CK 31 35 1230 1629 =

UT5 T3T 3U6 3A4 TTA TTU TT3 773 353 75D ...

AR 7G AGN

NR 021 CK 31 35 1230 1629 = (Repeats message)

AR A HR 7G GA (1215z)

NR 60 CK 181 35 1230 1629 =

UTU T3T 3U6 3T4 7TU 7TA NU6 N65 7T5 777 73U ...

4364//8073 kHz, 30-12, 1130 UTC, V26: USB. XSV85 Callup in Chinese voice

4364//8073 kHz, 30-12, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 30-12, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1229 CK 44 35 1230 1614 =

TAU N5U T3T N53 TAD N54 7TT TT7 746

7T5 77T DN3 7T7 TAU 773 TU7 773 TAD

773 TAN 773 TUT 773 TUA 773 TUU 773

TU3 773 TU4 773 TU5 773 TU6 773 TU7

773 TUN 773 7AN 7AD N47 3AN 7U5 AR

A HR MSG GA

NR 1230 CK 320 35 1230 1632 =

T3T 3U6 3AN 3U7 TAU 773 TA7 773 356 4T3 NN3 ...

4689 kHz, 30-12, 1130 UTC, i.p.

R H0R0 DE 5ZEF R QSA 2 QSA ? K

R QSA 2 IEC = 7617 AR K (Exercise related)

R = 1963 AR K

R HR F GA K

R GA K

R HR F GA NR 183/EX 1706 RMKS 5208 TO 5576 =

ABCJ/ZRQJ AR

AGN NR 183/EX 1706 RMKS 5208 TO 5576 =

ABCJ/ZRQJ AR QSL ? K

R HR L 170 EEE R QSL 1708 K

R U F GA K

R HR F GA NR 166/EX 1708 RMKS 5576 TO 5208 =

WFQ2 WF EEEEE = WFQ2/WFA2 AR AGN

NR 166/EX 1708 RMKS 5576 TO 5208 =

WFQ2/WFA2 AR QSL ? K

R QSL 1709 K

R OK K

R HR MSG GA K

R GA K

R HR MSG GA NR 184/CCK CK 99 73 1230 1700 RMKS 5208 TO 5576 K

R GA K

R = NAU3 7355 DN76 A7D4 6TA3 U6TU 5TU3 7T5U ATUN U5N3 7AD4 AUT7 T3AN ...

4364//8073 kHz, 31-12, 1138 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 31-12, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

JR MSGS GA PSE CY

NR 1233 CK 44 35 1231 1530 =

TAU N5U 63A N53 TAD N54 7TT TTN 746

7T5 77T DN3 7T7 TAU 773 TA7 773 TAD 773

TAN 773 TUT 773 TUA 773 TUU 773 TU3 773

TU4 773 TU5 773 TU6 773 TU7 773 TUN 773

7AN 7AD N47 3AN 7U4 AR

A HR MSG GA

NR 1234 CK 303 35 1231 1609 =

T3A 3U6 3AN 3U7 TAU 773 ...

(This should be last message for this year. Should revert back to message number 0001 next sked)

UM03 - Chinese X2M net

4339 kHz, 12-11, 1131 UTC, i.p.

OK MSG

NR 100 100 100 SO SO 11 12 11 12 1830 1830 =

DSUJM VKMBE TVKN CWZOQ ORGIX UJYBQ BQAIK (Cont'd)

8319 kHz, 30-12, 0825 UTC, i.p.

NSNST FDKWM TYHLA LWSFS KHUII ...

NR 944 PN .N 2.900. GR 43 = =

WZWZW LYXPB ..BOI FKFU. . WYPR ...

UM10 - 10-minutes net

3985 kHz, 03-12, 1953 UTC WORZ (R10)

3362 kHz, 21-12, 1929 UTC 6G5Y (R10)

5468 kHz, 23-12, 0029 UTC JZUN (R10)

DIGITAL MODES

HM01 - Dirección General de Inteligencia

The Cubans were still in repeat mode in December, sending the groups and files from October 9th.

Groups: 66012 17241 10803 16171 10125 67090

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

Files: <http://www.numbersoddities.nl/HM01-2020-10-09.zip>

9240 kHz, 23-12, 0958 UTC. Should be on 9155 kHz

9330 kHz, 28-12, 0758 UTC. Should be on 9065 kHz

9330 kHz, 28-12, 0858 UTC. Should be on 9240 kHz. Switched at 0903 UTC

9240 kHz, 28-12, 0957 UTC. Should be on 9155 kHz

9240 kHz, 28-12, 1054 UTC. Carrier till 1035 UTC

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

M42 – various modes

12108 kHz, 08-12, 1012 UTC, MFSK-80/250bd BPSK
6888 kHz, 21-12, 1357 UTC, 5xMFSK-16/250Bd BPSK
5060 kHz, 22-12, 1738 UTC, 5xMFSK-16/250Bd BPSK

F01 – FSK 200/500

7684/5326/4029 kHz, 02-12, 1940/1950/2000 UTC

Null message: 5761 00000

F01 – FSK 200/500 Mon-Fri schedule

12164/10336/8016 kHz, 01-12, 1015/1025/1035 UTC

13505 17244 92852 51681 55829 81993 41897 21718 21770 48984
55773 48107 50776 39366 34738 79672 99632 75422 56978 16207
86621 20112 70081 34594 65851 67495 36906 86890 61460 32476
78030 81333 16362 13290 77970 82183 35234 25192 47361 89358
26430 28775 58270 83788 72505 01344 94858 49431 84045 24802
86548 07885 16480 88481 15904 26538 54573 30343 18406 86186
94280 64996 16307 19070 76651 71981 53760 53246 53471 42729
25397 24255 89336 09660 15559 40007 29830 05844 90353 09830
90507 28667 09738 14083 00000

61130 74399 03682 05618 22141 10093 57126 56602 40309 39327
06099 69675 17730 41690 69126 15380 71648 01050 28702 96978
47351 63722 90897 92262 45983 71354 18511 63048 90758 85695
23687 62028 79981 47457 30948 91678 00319 36435 46575 94898
98767 25093 95269 82084 36753 42793 10040 24307 74785 92848
86247 67298 61131 89611 35754 45924 22917 07751 02096 03825
83114 60935 22643 47934 51848 52099 48653 92531 65445 62467
59188 15071 00000

12164/10336/8016 kHz, 02-12, 1015/1025/1035 UTC

80998 39268 38391 69679 13516 39711 80966 39756 26728 04199
16920 94009 05101 04933 31633 56302 27689 10893 13548 61499
07074 51268 15027 78508 98313 28972 63692 85761 70110 45196
28958 22578 55359 20937 73407 64838 23290 26438 43731 98420
40371 54469 80904 88818 12176 98398 54287 70397 23389 20987
49332 03707 18152 24837 63606 74308 87914 60449 90790 31536
59010 32801 97356 90639 97114 92411 21612 46742 70788 21806
49791 74052 41290 53331 48883 08773 70850 79261 60895 39127
66580 40118 88214 50962 02226 02157 24787 02353 84927 59945
12769 25642 59197 24985 29366 80371 65286 86297 33531 05514
94133 53925 27210 44472 06086 21281 10834 41261 05576 07274
37724 31327 88939 64174 97128 75422 07575 62120 80539 09992
13608 86237 11013 12502 80277 07281 40160 05140 14207 11761
42501 45341 01760 02473 61866 76559 56669 05375 89545 37737
61115 43752 78854 54896 17458 65603 25817 63304 52790 35186
70645 33640 43524 24665 99719 00598 52171 66785 52725 17374
93521 54532 64671 84473 72415 98685 97446 26262 60263 79235
40623 13715 02545 51574 86178 56793 74435 93415 06835 14890
26776 03372 92701 98773 89556 87129 25897 62476 25109 92160
97858 08566 48191 76904 99004 55223 55160 25365 35454 38586
29407 43046 52482 48772 15253 95181 69399 23043 77488 73186
55553 44522 88748 00260 02114 19930 11899 12096 69368 34747
69636 73626 14172 09269 18486 17733 27277 03965 69367 16872
35202 47601 21948 23550 46349 86549 04940 40578 46036 78729
39545 07051 70151 80606 68236 10993 12104 00711 16054 64590
42767 18082 76610 02969 48088 89100 39988 92433 14075 91134

04721 59133 13818 76439 41048 74057 76265 34750 97617 55328
41416 88000 68842 73708 31623 65611 65080 72278 93704 33781
52842 36203 91539 77214 57200 73533 53843 56739 43594 92987
06798 91232 21219 89636 46239 37296 35181 74438 29085 65138
39614 08561 88683 54068 68934 28420 03775 56068 49435 72386
75759 00864 18393 45085 93946 40940 42887 80231 93485 59928
55513 87937 35658 92820 49171 97431 65217 31429 98134 31126
24472 13542 97566 70967 28791 19204 38686 03009 33226 22569
61766 51147 44927 72750 54148 35952 61058 02119 85466 19535
36876 85469 97265 22387 13682 98522 89201 23131 61317 49157
69006 77115 14905 79850 58425 14801 10508 64743 72273 05862
49406 49770 12853 99954 45679 09291 46865 80079 36760 17671
57045 89477 61688 59232 85686 18006 36706 25027 12243 58910
82915 69862 32210 71965 85674 28017 29453 13878 90411 11085
59187 21927 64561 36390 83786 61765 80295 59398 28610 75306
97747 08581 50042 89657 53407 46143 32919 73021 83379 03083
59544 48508 36200 61991 17468 01796 54883 86057 38227 43575
32895 16431 00000

12164/10336/8016 kHz, 03-12, 1015/1025/1035 UTC

07110 79801 56480 64877 51451 30033 90379 48774 46344 98635
89551 52666 42208 41114 23485 58843 99677 81601 92702 44206
49719 82237 19401 52236 47220 79831 74523 47092 35213 75752
70937 98270 61933 89971 77422 69270 17905 15209 33140 08704
85218 32111 67278 67276 16216 71406 53567 89096 83750 33962
54334 50727 70222 04702 33810 46434 87565 21292 45349 43064
45378 83565 22270 52988 09395 14598 26995 98546 17467 09383
38177 66439 45255 32041 80504 75492 38818 47509 26867 06241
56279 98624 27573 65768 85766 64576 46305 86235 31805 61623
07503 80537 87361 17093 00000

20167 54567 73785 24146 63216 99641 35685 53285 92182 86104
02619 93361 81234 82822 84029 92153 47073 37341 12835 65201
97169 10815 88829 56573 52313 84521 79997 89167 16926 05142
17671 84269 95551 61001 46475 55025 78986 06452 14999 03527
48473 76584 18118 76204 71397 59473 26925 57206 86924 18107
67187 04448 05017 79231 32283 58029 67270 31270 41539 75706
43000 98506 79929 75091 59020 83733 80047 87290 86549 96542
32305 51642 33690 09446 34292 06268 16901 09014 15233 54104
09921 34230 96479 09112 93566 18085 00000

12164/10336/8016 kHz, 04-12, 1015/1025/1035 UTC

Null message: 5761 00000

07-12: no transmission

08-12: no transmission

09-12: no transmission

10-12: back but no log

12164/10336/8016 kHz, 11-12, 1015/1025/1035 UTC

Null message: 5761 00000

12164/10336/8016 kHz, 14-12, 1015/1025/1035 UTC

48362 47548 48288 67566 24483 49900 97201 39989 36333 10081
63982 09439 92056 84895 88103 25492 75651 49885 99975 78761
07931 22853 32349 26622 18900 44528 17349 47156 61253 64782
11349 32264 19669 07864 14861 55874 95595 15066 79636 78180
72206 88272 20158 71859 89229 82829 71711 81194 82312 23156
62235 50048 66646 39560 90118 79621 69490 49675 25149 01930
41334 32969 74788 79946 00343 71748 82973 70342 89799 57114
53619 09755 53222 83288 16018 10536 56842 78762 74318 76908
14131 47696 08281 77471 92074 20010 17482 34983 03865 33604
26168 19379 17703 97147 90936 54939 36415 06868 78445 77561
27542 15781 05320 03060 08616 78806 57458 92447 17294 22194

30921 25122 21044 10700 61586 15900 46070 10967 35765 36835
30164 74523 98956 29765 29166 88847 04947 20512 31731 69945
72406 70682 62082 94861 41219 28006 75435 97569 45688 61138
75798 76685 46830 89885 10804 88424 90938 46768 23298 23261
86604 30868 64344 89706 17383 39911 97342 53662 32285 91494
47950 06772 81298 69421 79491 62215 88112 56065 98542 01382
77228 36713 20379 19862 97667 86812 48973 46190 10436 78070
51235 31780 31953 64336 30172 35488 50621 33205 26663 51247
58730 34283 04541 52197 66879 20053 98654 49763 93105 60271
30610 91109 43912 15838 21874 43411 29368 83076 58930 38379
79490 44367 90173 75477 54072 86055 59225 07268 63161 69593
04371 55322 40373 66832 78786 30136 36214 95418 71268 53489
23620 15223 32124 06681 32886 71743 33933 53080 58180 97415
21864 08436 02827 06777 33215 57369 55538 46404 90898 39505
14808 85589 00522 53666 03620 58662 05782 53563 41685 94918
81841 33440 67385 97078 71381 27089 26608 54222 93019 68684
70664 00132 76774 88867 30480 52983 06276 44531 59239 97322
72394 05724 60673 94265 67985 48122 45184 30855 78435 24517
80984 44518 47697 13725 32447 83560 24496 70388 02849 89629
18407 24096 23692 13086 20476 01245 57801 97231 68083 68105
08377 92314 58731 18507 51186 85258 42443 54598 32096 56052
47467 34100 97117 96743 18968 82513 47163 53954 75388 93694
34693 80882 12183 67252 44448 09705 07596 56199 25451 80331
10179 23293 66462 86446 12739 29505 32085 24766 42388 03061
01696 58463 21410 62475 78402 30685 78600 92041 60201 89106
15795 93187 90535 07461 59247 60153 30431 14975 50572 53426
19404 69652 56915 69360 17324 36346 05058 29428 44423 55551
69126 37541 61638 13856 66608 78868 58469 51993 42356 58604
40544 71426 45265 04108 34085 25408 27314 78861 49450 05447
19657 81683 70945 59126 65457 29634 65097 00205 14144 48048
24565 96936 06776 16132 89890 49561 07220 41568 16261 92882
58805 62562 77486 84886 71159 00761 24363 67327 66905 13500
39628 21431 00000

12164/10336/8016 kHz, 15-12, 1015/1025/1035 UTC

44587 93638 86173 82118 37686 67235 60963 21654 21013 00687
55179 41876 39626 40162 79034 65709 42406 76327 92181 98024
61784 86745 34462 73164 20135 11580 23169 34991 98759 42282
15248 41645 30416 27960 57875 12186 01309 29108 75854 57333
73496 73383 69270 61460 63649 93127 19825 08055 39083 49310
29309 65819 17022 71584 38644 77609 78020 69146 00916 19383
29484 92082 06862 21364 80222 47890 86230 68596 11975 02864
33459 23083 58851 23031 31103 34691 30613 34328 69462 33018
40746 06700 85829 17397 25254 91810 71811 87240 63106 22089
00000

77317 07231 10337 91541 40812 02731 11856 88676 21350 15568
06001 05171 12661 16232 29360 19752 62266 86730 89035 28149
24961 56775 87263 84981 66005 88487 88722 59027 31213 95578
60199 50304 26121 07952 37303 42409 71424 17633 97926 88547
26874 67006 47126 54690 00816 65258 43111 68298 87562 43988
19048 46052 99786 87912 80338 99019 88114 01613 82080 38704
65124 98241 16395 32413 75917 21157 64291 81374 82464 34386
91788 20045 53907 42889 94947 60053 80003 28536 23523 27204
49905 23081 00000

12164/10336/8016 kHz, 16-12, 1015/1025/1035 UTC

12207 21191 90953 64859 89380 59535 35955 10851 97210 52797
96570 04125 07818 93306 68025 63650 05267 22550 38584 09923
62924 36729 11103 41483 69746 36949 47728 27138 35181 72476
79921 24858 27370 50496 51009 63259 24337 10816 83435 46632
82857 88940 87913 69433 54683 15976 56654 51194 04827 28770
07871 27772 11577 88763 73731 59890 52942 32952 48966 44901
09212 05431 42297 42706 36311 42929 97895 51773 89648 12795

79043 96195 03137 26857 31184 09716 53080 79599 66564 27663
61611 84097 37641 22739 19362 04137 91439 45588 32067 05966
22072 56089 20778 78114 63569 56309 30376 92716 90244 61053
26074 06771 16761 66951 82596 26786 15092 06016 95720 85240
90565 94608 70870 02291 84179 13760 68445 31179 93365 81768
10576 10764 28412 05026 78998 73620 46705 17999 58721 83145
31998 48313 07185 98100 10882 67870 53596 88034 23658 15936
58129 48024 91781 05142 85669 86169 49086 46328 73804 82278
28959 53185 99736 41179 24662 12598 75804 89103 64983 31669
28318 86569 72411 97330 39366 56208 96014 09488 56311 48968
36215 73646 98643 97136 03645 63938 16885 27616 79272 92503
83231 33889 67984 46152 18627 30112 62812 76253 85939 35783
61994 52777 03949 64400 06053 18444 61814 14575 27077 03901
38726 87015 27409 89875 58413 75827 29905 27236 33204 07576
66963 50905 77328 26525 00517 48550 94140 49522 90165 70003
66959 38938 51644 88340 08208 67114 72801 48555 46538 70748
79301 64768 56640 18669 67200 51915 61401 41409 44622 02837
61130 96053 49695 46717 69510 64763 36944 49819 60981 10432
49336 44423 59233 37914 18146 96942 21504 34250 57852 51129
98360 86338 48232 07314 73662 99481 20857 23623 14382 65255
92167 50101 84976 52122 10316 31685 06007 17246 07968 40962
61667 62928 78251 26647 85942 86115 16032 88726 82057 94408
91709 16193 54915 87014 49726 48321 61218 24072 48965 45414
06942 32804 87227 79955 46869 23913 76988 84116 65856 16675
64600 14546 46527 96157 10151 20375 53080 51011 70140 25398
85899 65254 50190 60335 86648 62511 19954 06138 98542 26118
07419 34269 11483 43554 14799 54887 46748 48620 23186 08883
60913 59814 78168 64697 73702 38331 73586 05868 49452 14131
75626 20228 86877 53513 54426 26708 96820 66625 15396 00673
72683 78362 47428 83730 83216 11068 30192 88947 42364 52501
67696 37416 35843 07493 40309 87109 09149 56721 92424 39950
46678 71069 97956 38046 96647 54972 70860 85025 21502 17216
12848 53399 78501 92607 15513 63903 60167 62969 59029 47748
49281 50877 74617 27713 68123 84600 62973 79034 26633 57664
85840 56006 99188 31481 72910 95247 84680 54484 11247 31565
29579 24421 00000

12164/10336/8016 kHz, 17-12, 1015/1025/1035 UTC

18255 07389 48914 50499 26581 64587 51715 43367 59341 41091
50770 86449 39466 93714 15963 33241 29825 88729 13301 62004
37809 18538 57011 79979 55168 94606 42981 34346 31545 08864
24480 34603 05126 80740 16116 16061 38871 32039 36938 99140
35739 56827 28647 24157 31359 78536 09836 66276 87576 11452
52205 60342 35321 68790 89685 90248 40225 84545 96414 22548
89431 41286 94489 88996 23036 21103 77450 47698 58590 21889
60420 77561 82113 06136 92840 85737 04042 74436 94748 32735
03558 80889 02521 04903 09740 32573 35028 88954 92957 40302
16141 28245 64968 12833 14518 65454 11134 25097 00000

38385 67717 19229 71865 89562 71247 73841 23376 07629 05476
70990 71896 27669 10733 11925 96586 85101 37243 88361 34040
27913 24998 75624 12704 32486 01699 16107 38953 77747 72207
60257 70769 57292 97929 57272 39951 34188 89586 12682 08796
68139 61794 55022 72193 69709 22908 78765 41071 61271 98543
55725 68112 49395 12242 32088 01714 38337 71686 53291 79088
39337 33939 83909 94476 55406 48105 14756 03386 46282 98881
74375 48804 03252 99425 87116 20328 88528 06971 44980 82132
18864 59635 85418 30731 98081 57867 92280 68450 28232 38946
62092 26091 00000

12164/10336/8016 kHz, 18-12, 1015/1025/1035 UTC

Null message: 5761 00000

12164/10336/8016 kHz, 21-12, 1015/1025/1035 UTC

99993 97214 77444 83926 41457 72039 51117 60094 11609 20818
42438 40454 65283 14085 60887 31460 05037 91062 09781 60705
98890 17127 17345 51038 44656 74184 32341 17431 48031 19892
63926 85039 06648 76664 70443 51895 17270 36405 26817 44655
48322 91899 25261 40867 44939 30797 88966 56166 58714 53139
03468 19860 19354 98354 95370 87318 90409 92662 13135 62628
76273 52829 89588 29934 72640 07206 90877 16906 77609 19990
81519 38781 05615 29646 60260 96399 71386 37428 46424 26690
36104 06929 21435 29030 32957 60611 55201 15922 14280 84245
72050 61427 87459 75191 35907 45786 31799 95469 59390 19670
13529 15555 66530 36503 41141 59828 63780 26278 28257 89629
99019 09327 56190 84838 13232 73456 53408 09940 14548 62910
34078 75484 29340 52583 62875 30911 10047 05923 38261 49644
04436 39959 11392 92422 15970 45913 82865 59776 09980 38792
44493 69615 45323 34436 58266 20842 36217 77442 89728 28944
73937 68408 37925 44490 63067 63917 29121 90482 51986 47734
66477 79485 62280 96609 52876 96479 46767 89169 29069 58385
30830 31292 94349 86162 16721 96437 01939 50474 55565 04357
46251 76792 16705 86601 84256 20940 09109 12312 58106 50966
34516 72673 11211 96306 77003 47519 14973 50176 58668 02488
48341 36110 16111 90190 97395 74611 77409 53818 67127 10831
44262 56626 22622 89213 09002 85740 01821 86071 61154 03710
67057 35981 63240 46255 87537 12989 00499 89647 69982 52522
34227 36151 79587 24972 13420 90965 18511 96863 24397 29122
54064 40572 83106 75744 13799 78502 99789 48137 89677 72683
70704 33120 18510 95710 76572 98057 30846 43970 92468 59019
85520 79091 38813 54500 32023 08551 28164 98153 67887 41382
87506 08958 83292 79920 60708 42265 10054 33512 20845 70166
17200 65140 47072 84612 20312 06901 45742 21721 96835 05257
20433 30718 24514 82020 20608 35943 85177 21991 23564 65358
01032 23196 29371 43999 95671 70661 73490 75804 96970 19660
86752 62265 24071 99365 57386 31319 25628 72859 74788 74947
61520 14413 59719 18893 45203 90007 10605 72947 88890 51999
20652 35241 18762 83892 45438 48977 52369 56140 25691 35042
55445 78926 94914 48932 20290 62849 26584 35435 32929 23457
00566 79502 21226 90567 93469 76753 01139 08315 22610 72042
63318 36845 98272 39528 67207 91623 63967 02691 34867 81267
29356 17720 61684 29854 25542 68730 86166 94639 37418 48216
86003 15126 92739 21213 92589 54411 12640 96573 41188 18765
53241 53824 98924 66359 93084 99009 37811 41105 46030 47996
44960 92516 04348 60641 87211 67548 41661 74283 72323 85351
30451 09985 73950 30864 53787 49970 12564 28198 15996 09689
09526 79744 81931 52945 56490 81936 99557 23535 67328 53613
85510 91817 04756 37920 78338 39674 98858 27437 00000

12164/10336/8016 kHz, 22-12, 1015/1025/1035 UTC

93273 83340 69931 96678 87011 84779 44665 27086 17949 10029
04105 92116 91552 66678 62452 19015 00169 72101 59764 49047
30096 32568 76297 03006 57819 68169 75862 91716 71339 63226
76619 63770 77542 46874 72751 07635 81540 33508 55453 50357
48917 77785 06679 20034 86829 23861 64071 64237 04887 53550
80531 41584 41758 63105 26846 28642 68438 23292 10824 09349
04110 02456 11369 39146 05538 57258 50939 01000 15948 20791
54817 95506 84301 42720 70630 32274 90927 61184 46572 14747
40433 11117 91749 35690 07844 98671 67086 25493 48898 96460
80250 20503 10441 39275 63514 28095 00000

22983 77025 48901 68559 53158 57137 54129 10539 04638 34442
00264 39553 42893 98977 25845 65085 74213 51495 56187 96493
34319 90293 56299 01371 48948 57920 83123 60500 77364 02414
10530 86573 74697 32799 25506 98865 34076 73493 18962 71057
94489 47335 19621 94389 25294 41913 44397 23332 23333 38875
63725 95967 83582 10927 05262 46263 29271 16182 44411 50427

12411 44565 55094 74534 20682 95959 19222 15612 51585 94775
18287 53359 39839 70628 55526 54717 48921 59826 82083 98438
62712 07342 25625 11880 38180 73955 44815 29087 00000

12164/10336/8016 kHz, 23-12, 1015/1025/1035 UTC

12477 96535 88702 14121 15120 69662 15139 56456 08321 97102
28560 49869 33014 39065 82717 01673 93505 30833 97761 06252
04862 38428 32285 74012 81397 19829 83187 99492 20975 65200
80571 04571 64787 14566 69840 17701 37318 76355 98190 75135
96164 95265 47687 55044 46410 42887 82107 80488 99239 29507
99742 52180 79473 60553 09345 96958 11720 86096 71404 42937
39829 16863 71948 57232 59330 05184 21042 07244 67549 14324
93193 31399 61088 24631 51829 30309 35354 49931 25050 14268
65828 62627 24833 68048 75758 50911 26889 18910 19971 56558
53345 18769 39473 66712 25449 76471 66552 58122 78476 01096
85049 17249 56042 42227 75492 84697 25983 38151 99783 97392
85016 07881 05124 26958 44357 47985 51860 37714 13470 20125
94956 12745 24164 40259 73751 21475 62204 05443 89712 27178
98625 19166 76866 57872 37946 01162 94589 89027 25458 92620
97450 11528 80796 92762 61791 83328 49955 87682 73732 88232
92951 57429 08296 50249 49326 72237 54322 76938 48658 13858
64882 30210 58284 82927 37861 47997 85425 78307 56404 65245
75877 59331 43918 07657 76487 26906 13310 56627 53576 84392
15143 08805 84511 64208 14419 78727 64611 31099 50656 17954
96563 97995 60946 49139 54559 15415 70706 38490 40314 20332
81772 55038 73175 55458 12564 90162 81500 94871 69969 35807
87484 36931 57670 44827 02641 50411 50571 21898 76110 84800
90035 18436 62991 80693 79602 29949 04870 41225 85888 19281
39758 50465 74346 14156 83601 49738 34576 52489 50561 07779
74872 73884 04255 45677 90706 80759 57140 02549 36807 17541
60227 52860 57555 41359 50319 11356 55358 82687 46948 86517
01707 19362 16216 68500 20588 12411 43714 62473 98955 77144
83705 03311 03937 87936 76776 12572 11458 40127 53124 83694
75996 17500 63678 06360 96123 38763 06241 65944 55536 81462
38838 79014 44270 06786 97459 50792 89770 33676 60385 65524
52518 35698 26282 45714 65887 59102 98249 41118 24940 85512
91021 33486 53820 87681 03493 67944 06461 51749 23763 46987
80270 64445 58897 48001 47503 88670 06571 50257 33983 75889
10802 82318 99888 88781 68952 25795 02268 32586 82186 36382
43983 18566 66571 68120 38772 08052 67010 11819 47099 10480
41202 83574 62508 33870 05795 24325 53142 11195 61946 96375
88125 51050 42460 87841 03507 86091 47692 60925 87428 17651
62415 04992 89229 79996 70825 80359 82157 72644 11887 63753
34385 34182 42188 31357 68009 56033 98512 40394 10734 59600
77294 95191 69908 85221 73170 08646 83623 66383 43787 95038
28536 87626 93071 55138 89132 49578 90148 39527 18096 89549
66087 01080 42474 31144 55666 72549 95343 61293 76344 30182
77640 58191 61637 29308 79859 18526 91056 22842 18303 57478
83835 98628 65568 79901 48607 96575 79960 46145 06219 91509
63517 80925 27891 52691 03338 98716 55889 15928 75896 44072
98899 29222 19035 70334 19307 57893 01314 05153 54551 60107
43422 30461 00000

12164/10336/8016 kHz, 24-12, 1015/1025/1035 UTC

12617 28310 93839 00591 73738 80795 69484 38944 36372 99366
44731 03987 89891 29891 18911 17340 42287 86706 10660 81937
31927 55178 89463 33455 53475 65061 61191 61766 33919 14342
06083 94605 19615 48259 92607 60621 60322 23199 15640 74012
01135 10118 32396 07938 18270 17230 94550 48879 59638 36595
99994 49148 76134 44345 12648 19730 54591 09188 23784 30641
88328 88913 53293 10998 46242 19577 14327 65977 26360 27033
89750 52860 04810 15533 93862 83346 16139 31077 00000

16748 40129 86428 44323 87858 11336 60090 97544 62414 45772

37730 98872 63898 73431 07183 51812 06503 23542 80969 25887
47388 04639 90413 95936 26938 24575 79447 79953 01690 73918
15336 61389 99621 21157 58457 06875 52500 93160 58380 15289
84958 39338 68372 59103 65002 02920 95570 03962 45631 47803
28979 17413 52259 14413 12482 02743 95621 02987 55069 18839
14865 07759 95451 72032 80486 50440 63267 90848 11842 86471
04042 19601 88877 82450 60123 91776 /2792 88202 24749 69140
95316 51906 11448 57501 81290 51731 05965 35075 34223 42413
92891 54379 39539 32093 00000

12164/10336/8016 kHz, 25-12, 1015/1025/1035 UTC

Null message: 5761 00000

12164/10336/8016 kHz, 28-12, 1015/1025/1035 UTC

35905 25940 69729 77688 92138 10739 25842 88646 48039 41396
62921 33155 66814 19860 95279 80596 59519 97089 31107 13890
25580 69410 23003 25891 53569 76140 24854 47536 80669 90672
16002 12416 34272 22200 78623 87449 04137 70279 39282 24377
18557 99406 10572 11724 22971 25805 93792 31950 84442 33601
28609 53462 70468 62594 00606 12174 75531 34783 42703 62304
93848 11857 91347 01106 61749 00828 83431 97197 18118 49997
04874 77212 56340 02441 26790 50419 66191 99200 90206 76027
89104 49372 25243 02853 35255 09274 15707 36039 35896 37880
45032 10510 29388 20726 84508 75848 04360 79436 09730 22301
48428 09107 56198 02562 75928 10689 50041 29065 33085 10592
74742 51441 04060 84675 59863 43839 66314 28821 02667 56802
68732 43281 58587 13380 30929 22979 61490 54163 87188 70953
59652 60940 23471 77137 78400 13645 80922 29658 45352 60294
24324 50836 39185 04614 98923 75092 47888 41006 24084 10922
47412 91587 97174 54148 36676 24955 06175 44631 89857 61378
74383 83619 11899 94110 85715 53932 08187 81493 63985 10165
04312 89554 04641 31102 76883 89781 82377 51520 81297 41755
83061 15573 87430 15336 33416 18954 59170 32089 26888 32007
38738 30636 69155 20986 21731 85616 91693 09643 33825 34953
06844 48341 45073 95104 02834 82872 82745 68993 02162 40166
28634 76298 31812 73084 11772 60797 78714 31486 32502 54447
28899 51745 78824 02892 13778 81917 20973 82078 11997 84736
95147 60682 80286 85629 12350 88015 11760 57941 53243 12109
45080 62552 35001 57660 72957 84079 61049 18537 23389 30843
89667 44508 12096 90795 82368 26911 89584 60591 18009 12926
31282 89991 83548 03152 44165 08784 77417 12174 88340 28415
86412 96802 37000 35512 22069 81679 23186 19493 27438 36931
46823 01438 90223 87561 40432 56422 23187 59274 16975 46498
97788 90402 48266 06500 41985 64642 47391 49873 38118 44273
53561 86713 81850 08559 42850 71191 88064 27004 13247 20573
54676 22168 17462 72992 20293 01711 41924 76200 76658 64374
55409 24440 21825 09566 75731 85665 64974 05251 27943 86278
18851 93825 92467 45568 40715 40678 66623 77048 07783 55098
87952 98877 38064 38249 92810 20546 92556 37871 08647 98018
19723 14415 03410 74530 28189 48284 40521 49204 98599 42883
12858 40692 70582 03152 54168 38024 65730 94268 51373 55855
32577 10236 06177 36282 24463 06989 19442 64445 46261 79770
96742 90077 30885 89412 98561 72198 31518 67237 83539 89144
40505 53262 18237 81118 70837 47385 51835 17439 61180 78256
79215 05694 90366 19504 40857 84969 12300 08014 32985 70353
47215 43950 26414 40890 90209 77198 17515 88181 23012 09921
59756 67828 39896 33423 00000

12164/10336/8016 kHz, 29-12, 1015/1025/1035 UTC

50389 51744 23613 86082 27361 69936 46365 84481 70961 88060
48053 00493 50099 85310 72856 71097 05126 15657 26746 81700
15769 16296 63444 14656 37531 58368 81805 54930 23731 25916
64307 01322 75369 33985 11354 56691 86026 21833 51050 95633
73956 82174 29169 33021 18582 12395 08973 41874 43571 98669

35583 93976 13676 68945 44599 21686 37540 75689 19631 24376
93643 94377 28450 67937 21576 48626 92444 50792 45841 97937
69060 34841 24358 48970 51911 64795 38859 76281 18263 24321
69374 63491 78561 02443 19978 00778 07703 68630 88002 99669
62723 80023 93883 34093 00000

57367 19236 37961 36728 72392 65565 59120 57553 89068 98714
08768 00592 54747 61863 09911 91411 24881 45333 54461 66095
37574 03104 04587 71798 85114 54206 18396 88881 93408 23652
73369 41821 45266 02612 85975 91073 08468 32513 50931 23083
54564 42756 48515 80620 79323 96728 93387 00647 60782 25806
23362 51877 15835 56030 51536 89243 41288 57154 30262 67440
50330 68731 00350 80734 40350 82949 23978 21239 53033 88882
24721 72823 12692 07866 83154 82865 53743 74663 61453 79013
73297 44128 55437 23164 69767 35085 00000

12164/10336/8016 kHz, 30-12, 1015/1025/1035 UTC

44630 92840 78046 00564 99123 64499 92765 58537 22109 01152
65416 72533 64838 73776 99492 78063 70090 97312 49950 26149
49190 84518 36210 67098 94675 78039 46281 89860 70794 71643
86682 90374 49019 56557 57846 67367 80769 53825 59708 69026
24535 18657 57153 38989 69569 27673 60014 35084 23365 85000
97308 19275 55073 08161 90403 42214 12082 79669 54788 70880
51915 75308 85155 32712 56657 04980 03462 74678 22079 27112
74673 60744 38668 22526 19867 56128 06728 38719 81384 71841
52758 40493 19731 67892 39289 27865 46886 38640 85352 07209
25746 28703 39797 26547 90345 52874 74613 10948 66590 18481
90471 58955 98147 73618 51652 85987 07207 29702 92558 25654
44794 31778 62996 24912 10319 75015 04415 94011 45051 90835
74291 97166 29209 51106 60843 94878 37349 63837 55267 73863
31742 58820 73678 25515 98428 86641 45948 58835 55636 79522
13624 58777 89242 47403 04115 25940 94988 07723 73338 58541
32102 72324 34012 62617 18048 39936 11770 01384 19072 67641
96311 19691 16237 19805 79743 04515 51628 17867 99325 67423
84429 39463 26795 59952 11546 40286 71462 57823 32468 97152
89260 74956 63055 95691 14942 93197 27942 11097 59607 18709
86236 55386 40753 00957 70210 89607 37025 75237 41668 24413
84868 14670 95673 57460 59258 02604 66329 21058 05702 61369
14297 38510 15694 98324 00742 12586 62821 55106 77386 94556
41695 71058 47373 07235 76908 96750 76609 20461 94191 18532
60286 02458 70972 80054 74269 95515 08510 11719 66031 89415
92805 03950 64829 91059 36464 85272 15803 13718 18702 91102
67686 34347 65688 34202 68829 92414 38408 12725 51192 28662
20226 16806 07029 87243 21346 19621 87928 29689 42361 63849
80904 34115 64062 79496 41231 78127 55710 93991 86692 28858
18948 20513 82960 88560 09553 35472 74760 69214 04196 81092
42531 94569 04421 54033 89258 53074 95009 65971 87176 50106
98933 87106 39013 32976 96069 08505 33479 87105 97881 84235
99679 26845 95238 39222 90141 29353 21567 53761 47139 84983
98525 60632 32011 62605 56385 15748 22147 13316 46298 28276
05350 60954 86662 61166 26232 52882 10740 38034 64364 69445
07743 17320 48842 15575 74561 19679 38971 42944 20323 19527
25747 76136 90966 36681 33827 41253 06037 89047 28682 20399
24857 92263 58599 80482 84295 17267 86251 49776 75296 41704
89489 40662 50369 56124 36073 42008 79220 10896 62006 29612
94723 14788 08178 +8149 96398 21143 94990 03059 03609 62591
39660 65814 75644 20227 45887 41003 40893 38209 20572 68667
02277 19699 97270 80334 11148 65087 71076 92168 26830 38444
74615 36411 00000

12164/10336/8016 kHz, 31-12, 1015/1025/1035 UTC

65992 29363 63970 70421 18014 99000 75714 26517 83322 39449
96218 63982 63637 97270 23105 70027 65489 32536 68815 42280
29145 82199 71222 10609 81457 43100 02390 49663 42331 23031

17663 93077 39482 33310 12277 85271 11197 21294 77678 31785
01754 66269 74731 34089 79221 87163 66016 19801 30298 35505
74388 04252 11890 72080 60002 44340 64124 50715 32973 70601
14463 57621 43878 08446 27625 79755 19265 24488 80998 00611
34386 58916 70222 46888 40305 29829 74632 34490 87605 20487
37267 37081 00000

09194 74328 73405 14743 70836 21598 68205 96928 02286 79399
49733 15895 97391 74575 15161 47314 58621 14950 56028 85978
20348 49506 77869 37654 76915 52484 39463 09098 01436 61098
60147 38395 66240 21547 68650 32817 00928 23018 91842 06392
48955 24366 06889 34365 08692 03158 05201 66742 69888 81757
41652 68105 81496 10166 67483 75875 11764 10271 70332 94238
86564 11218 69836 65883 16881 30585 42232 88771 51382 81037
72405 70109 15046 07163 56807 34720 19746 82172 05702 29986
57752 19145 18156 94576 14076 76517 28225 83117 58605 62497
45766 64016 03962 38093 00000

F06 – FSK 200/1000

Link 00000

12214/11073/9912 kHz, 07-12, 0700/0710/0720 UTC, F06a

11537/10358/9275 kHz, 07-12, 1200/1210/1220 UTC, F06a

File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009 replaced link 70202

Link 00052

19851/17464/15609 kHz, 09-12/10-12, 0900/0910/0920 UTC

11166 00052 15784 09074 01759
22786 69159 64485 17586 86485 78079 47018 49125 36120 00080
65628 34727 22878 81228 07561 70175 53157 18421 25538 35258
30251 40701 13088 14198 33154 07469 64355 38441 97686 65777
29323 06500 34461 33891 00373 60538 30533 03313 91140 24373
58183 76442 93587 32594 39271 82080 24238 05489 38583 35935
95507 49448 84631 38354 73071 87552 41326 26439 05204 50017
78964 22745 35029 79194 17975 47751 31618 28811 43852 88287
00870 62127 16725 39103 62116 78714 23981 59773 01392 24534
49404 14121 37292 65001 57253 84342 60374 25726 14712 77037
32024 30617 01162 63311 53745 92035 77707 20154 42778 32694
15398 65268 75020 43967 05561 02551 81161 10331 00727 20400
06980 54593 59536 10046 73732 83614 94100 96084 99593 39205
43238 96409 68047 83889 20026 53724 54208 76212 07106 05822
44973 15289 98182 86830 13973 59285 09152 76587 37236 47501
07289 40363 60519 80761 31953 26091 54229 39796 05219 11313
16889 46289 55898 17014 13067 96298 05372 30541 56719 20725
88676 04793 75887 52513 09287 25862 19668 05287 51019 66328
93412 93093 95510 74173 00000

19851/17464/15609 kHz, 23-12/24-12, 0900/0910/0920 UTC

11166 00052 78541 23075 02519
42640 75002 18311 18523 43907 47370 46920 78531 36120 28572
37679 96980 64405 91469 78398 05481 00076 78948 77729 93357
03284 52673 27659 13880 82038 36072 37193 46429 80009 56247
60673 31825 21876 14506 69154 22979 35345 40181 38292 18063
85767 07455 51166 68389 84278 19840 39487 78191 55426 92042
11617 38470 75199 83860 40843 62129 15406 65832 12348 12551
55335 21302 52301 42824 46649 14603 87522 87809 42424 80042
09150 76212 26299 11370 38742 54868 02651 56426 20268 42429
33750 46658 86410 54620 34821 16169 72617 68274 62952 90028
77356 16320 60793 46495 91983 30917 40970 82851 48695 76918
22163 39547 59968 42861 52782 62326 47952 81650 83181 07028
87233 18154 72337 16757 09423 65867 39946 26099 42990 19850

99862 72076 86795 18126 35827 16532 40745 88716 05414 09620
42016 24522 83141 49105 80287 53201 78680 15146 90405 94279
91091 85253 45937 20637 85044 59114 02029 66583 99939 47964
61031 49706 27882 08203 59306 98667 21437 23928 98669 04153
17115 68088 70891 35148 85505 96935 48708 87738 44022 57464
41775 58613 93167 12528 40995 60460 62289 13317 99664 21455
75726 73892 24872 36005 75317 27449 77592 58959 60190 69013
04907 60463 29772 14251 52787 83638 40961 29071 32893 72291
15395 09727 41793 60819 57756 18086 56087 43521 71051 01766
51829 65478 79793 53821 21707 02219 97040 91667 88416 20327
96215 59931 37665 36201 73648 86914 19237 15148 12777 49357
89568 77989 85951 25193 94256 07382 54767 38977 13956 71026
54872 29673 22087 03964 76191 95503 27795 17136 74484 75249
00000

Link 10053

9313/7928/6783 kHz, 01-12/02-12, 1650/1700/1710 UTC

11166 10053 85274 27072 01689
10746 24501 48488 47395 65937 92981 26586 22879 49859 52924
29325 72504 73556 92254 04392 09328 88565 02061 36525 13031
04689 72405 57715 79498 52988 45011 54447 80752 21326 62117
83891 65027 44727 34990 71118 99268 37676 73972 13801 73155
24871 30875 89632 38644 29368 54873 50511 42558 32714 03029
35770 79846 93523 38020 85061 52599 24456 09940 20430 60166
93546 02957 68617 31761 24346 84529 90378 12474 54079 79855
84589 78558 34848 56329 07705 66396 39124 94419 00775 60591
53038 06227 42135 51167 71152 03941 71045 22143 47178 34591
39821 18248 63624 88264 25161 55465 31653 91662 92308 74212
22811 72828 83473 39425 21383 74038 59491 67710 96480 91636
96635 30898 04902 25232 63682 73817 46449 22864 74435 88329
32134 81617 66403 38327 22269 22377 88299 11027 32220 57013
26141 65930 11696 80099 90014 28099 83239 37498 95172 57249
85149 48998 52291 80504 57381 87103 74238 59630 41035 81034
16311 01603 88404 02998 56156 13150 15028 38171 81496 63626
15457 42957 67113 42799 57482 51406 72166 00000

9313/7928/6783 kHz, 08-12, 1650/1700/1710 UTC

11166 10053 14789 08073 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 15-12, 1650/1700/1710 UTC

11166 10053 78541 15001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 22-12, 1650/1700/1710 UTC

11166 10053 78541 22001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 29-12, 1650/1700/1710 UTC

11166 10053 36987 29001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 06-12, 1530/1540/1550 UTC

11166 10053 79413 06001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 13-12, 1530/1540/1550 UTC

11166 10053 23698 13001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 20-12, 1530/1540/1550 UTC

11166 10053 45689 20021 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 27-12, 1530/1540/1550 UTC

11166 10053 78451 27001 00049 00000 00000 00000 00000

20157/18241/16204 kHz, 02-12/03-12, 0600/0610/0620 UTC

11166 40122 45081 28022 03729
91371 57499 94967 47647 18613 40707 59585 81507 81126 16117
34731 67137 55946 09399 26263 96396 90232 70690 31524 64284
75366 13802 79112 86512 28557 93014 56628 57021 74158 78422
31106 68865 41885 15732 91804 46929 24100 81486 70051 65888
59383 69632 15819 51858 34548 70366 35739 91184 22309 27215
22213 94787 96775 83261 28342 91518 93971 52486 68327 48950
09556 77126 48063 45055 50943 57019 55578 39194 86000 61850
66036 15856 55519 62254 40977 99601 41642 40691 26471 64619
09432 68057 79905 87359 63775 56949 80052 15670 88807 27523
00141 52871 62038 46900 48591 80208 60379 28029 07126 66126
00249 98974 20919 35795 78947 78541 20494 99320 09493 19188
80039 62097 66092 03168 41845 65716 82458 02820 61528 32881
70133 40965 53763 14767 49024 12340 43174 64252 07339 51992
50096 83477 33092 61596 65886 19148 84390 29614 97474 04030
90673 06237 85836 68080 02092 19057 28087 67640 29228 40392
57862 06129 40329 42214 63704 44684 08248 99606 50111 26180
24282 28700 70952 61059 21091 70015 89940 48423 71886 53155
47833 30807 58074 03777 41067 06091 22546 78797 41501 44973
50800 40749 11965 87449 47087 07234 97287 16732 97750 36421
95512 34045 38978 34508 38970 82746 71118 96095 39895 95190
86783 13410 80298 60792 04895 15313 50746 38714 27881 22027
67768 63622 64204 26533 24554 17947 83413 38552 54645 69080
95892 52069 13303 94963 74511 22334 06235 46475 60359 63261
20377 20083 19744 01188 36410 39189 44649 45909 27706 67599
13837 64944 75382 03555 56781 71952 54163 27782 87626 65257
68725 03966 01341 77397 45217 55116 49278 21658 07649 64244
36311 46501 93825 72793 06742 33859 90522 75261 11163 02197
92586 33455 71465 00310 15649 58802 86185 02775 17138 36183
43355 43002 05286 87682 33078 44816 40803 99743 76986 38521
60923 62117 16784 72364 80491 92080 29063 55355 49800 42338
58573 92363 73843 16055 87132 97447 22687 37458 80382 96332
87636 51437 79543 54000 62900 50591 30400 88296 57423 53150
66657 55529 66582 80218 89899 18965 58438 05765 13308 36174
54222 77808 61331 26166 07745 34235 42516 02244 13427 61676
37651 81519 97627 70895 70447 07028 72951 87111 52911 43373
60249 78703 22624 31851 07965 72735 14095 15978 63544 30727
31386 73372 76577 83124 14201 14918 38368 45892 14603 37147
22370 00000

20157/18241/16204 kHz, 09-12/10-12, 0600/0610/0620 UTC

11166 40122 04375 05023 03029
47652 37498 83498 60779 25576 76610 67448 27050 12491 03728
39484 38116 65518 73669 94768 50136 42195 32791 33419 80376
87213 71422 16435 55583 18083 70931 94768 26098 39405 93852
53726 56614 40450 90523 39893 29546 55727 20660 62763 21926
93216 13312 88261 41772 59983 13632 66351 34873 39824 89904
59909 97912 02667 99258 67059 58889 50385 35517 54149 10749
28735 07603 41560 09179 60083 21961 09535 70507 76633 67411
16216 30633 58819 25888 45071 50920 08568 57489 23913 82020
12110 33284 82672 21524 72028 14312 42147 26411 13237 00208
50877 66217 92563 95895 12364 27859 66646 69785 69805 08065
97803 01911 40537 54329 02596 45450 17372 40353 72733 50053
79012 86879 23052 20438 76746 63893 46213 08660 89587 35089
78840 63528 65067 30577 08760 85574 87852 58738 78046 61035
43395 93181 61561 73267 68772 95738 25657 15050 07933 61424
96754 50199 13523 96313 94464 97934 62480 64265 08951 38443
77581 63426 27215 63063 72146 18465 38004 17546 60056 99458
70004 11812 98311 03387 43038 94651 54278 59145 36927 16807
14840 42052 07720 30864 79630 08748 05976 01408 05534 88448
76780 23863 94641 91488 46190 75460 42854 21079 23790 46778

91316 99228 76052 27280 47872 42767 50183 43299 70723 50396
53141 71897 31487 86717 15528 79045 99830 74169 95022 55552
16883 28815 99054 49186 49593 00906 31406 16431 43243 06180
92424 42301 14286 58815 87536 01664 50706 41976 23754 60504
12091 76901 98847 40565 46583 76461 12893 95807 66935 94129
56858 74123 52813 04296 57940 62738 71574 74866 86318 40747
34678 18093 53025 87208 31931 30551 53614 18254 10758 58227
37324 51627 92674 47632 06409 22114 44151 68889 75337 96274
44066 21741 44545 59943 14925 60387 68415 76912 10038 98125
22195 42244 73835 77703 97523 78655 17530 18331 81255 49399
77282 75298 97275 86089 47081 73123 15996 54909 03522 98169
23300 00000

11166 40122 91372 05024 02489
61201 09633 64657 61677 68960 04893 50129 69147 78269 68158
34744 56999 58115 53821 12707 82459 00664 27862 14676 77609
35242 56514 44847 03529 42808 97373 30231 65473 75595 16383
99342 75030 11633 79131 32459 70178 98793 89917 50649 29198
68105 76993 35770 39365 20970 47438 98592 06374 20002 60107
37272 15408 38171 90075 53332 79819 45928 83027 17356 38341
41007 23024 01573 86766 50594 62083 21528 55043 60545 85025
54022 65720 51340 07994 23504 34665 45465 34117 74108 00020
95906 14735 69533 90305 70449 89621 87930 67635 11459 04660
03999 06949 75839 30387 75481 97230 84861 29863 76239 75635
38530 49284 43098 30461 74200 29799 28646 33901 74116 63944
77180 90532 51558 45150 65990 12449 70297 83752 79148 57003
77034 87940 06018 88080 51518 33090 81652 46841 04022 67907
11278 42880 74873 30828 46038 01728 15728 75114 02210 29640
57255 26068 41050 81611 92951 18823 51484 43542 33747 90132
02804 64512 13101 22605 59583 00084 47277 64811 75983 52579
80473 75715 11639 19265 69515 66851 36315 84391 87774 40703
15521 16011 53022 48698 94269 53517 08892 17282 21167 96854
14644 15488 80025 33314 22919 62449 21175 62869 50165 98293
09682 07986 69431 66849 32635 18840 80207 83611 32717 09886
35006 87392 60217 88703 27372 99107 60701 63075 70997 36122
40507 37220 24646 55607 77257 33124 42559 25332 67589 97907
55044 45339 29268 83165 08919 68934 99887 07218 22512 96427
99342 36205 34901 40073 48250 44971 54072 83631 59525 43670
33701 84998 45281 81030 33223 95340 24246 00000

20157/18241/16204 kHz, 16-12, 0600/0610/0620 UTC

11166 40122 15896 16069 00049 00000 00000 00000 00000

20157/18241/16204 kHz, 23-12/24-12, 0600/0610/0620 UTC

11166 40122 19437 19025 03189
93065 36548 24151 43407 22382 38191 84119 84354 44259 91366
59491 61301 92620 67242 88786 55303 90014 39852 23692 07388
29533 89483 14747 90734 54500 94836 40879 02106 34341 06139
43723 77191 60084 16401 52666 59577 07931 73009 11547 78006
44326 96834 42959 11633 70970 01051 11085 47948 33218 26844
69007 63079 40277 38212 01424 79122 70679 43019 98713 78229
61431 32524 23293 78114 04298 56538 54184 98671 97649 76429
20752 74396 27321 63132 61535 92294 74898 32375 69114 59967
76899 34295 06949 33559 83259 39643 09130 60256 88577 89745
98975 15025 34552 02440 87414 36271 07040 51136 37090 90120
76193 59230 03129 17994 53094 77015 86497 47170 61324 33323
60907 69031 46926 79038 59183 14664 75169 64711 30041 82513
87579 19429 01223 97781 17655 23151 09904 08241 88708 89686
86334 46169 42281 02503 01634 11083 70560 70553 15685 52958
51234 96315 86062 60628 08227 73220 23940 85043 46755 54664
07896 52082 36129 61790 91575 44603 38757 22232 66140 58414
08765 56989 63428 61871 08693 57650 10788 13758 17695 21124
73499 19167 29673 34083 45740 28056 64794 24298 76013 06161
42829 21061 37993 32965 91733 91869 82718 06404 89934 47571

33064 58998 65731 33160 06444 15098 02273 46390 76669 43926
21537 51422 10906 88117 45749 79670 42661 72424 59681 35044
66756 22291 22265 45776 67196 46975 00963 30013 13895 66913
27328 67370 89177 90008 97193 93626 30019 66527 63925 60751
96925 77308 98186 29453 05430 34946 12636 86434 81110 02659
75005 03542 24087 60520 58001 80993 93931 73738 99449 41884
50914 42671 71141 70142 14549 39274 79799 09129 25351 59656
48620 63074 20761 47438 52808 68533 61162 67597 07566 28045
66934 35493 31946 23186 52486 30750 37037 49210 68185 50694
11888 38457 86146 83030 05638 64711 90804 02439 29260 45717
60202 20789 25387 86012 48945 45659 79628 27294 08754 26831
71835 98482 07545 95475 90744 82685 32996 25691 60433 43237
91507 73094 52036 76017 38526 70157 25316 00000

20157/18241/16204 kHz, 30-12/31-12, 0600/0610/0620 UTC

11166 40122 04285 26026 03029
55250 08043 11960 21579 96155 07889 18166 39341 77893 77625
54009 64019 76930 92718 37512 64216 03722 17726 27874 92934
83322 53099 78200 44975 11097 57462 65672 01532 44454 50075
22595 79185 16571 23152 16764 25480 83008 18742 54582 28265
37192 49835 05370 30998 55660 70401 70307 71190 59055 24045
44436 84186 99753 25953 45172 39460 12111 57835 05755 01618
86232 80545 57075 33302 51217 94053 46326 82168 78819 99478
65900 19140 43446 42859 90981 20109 99448 45344 49266 08298
61635 49503 71247 99435 99940 36431 94510 16967 84196 93348
20462 69460 39936 36371 46940 07413 01171 18145 25144 01643
71074 75036 14315 10438 26526 93550 32609 27678 27422 00689
27598 29090 16722 07907 14838 58836 22152 63381 57941 23628
95505 92260 88591 86540 50477 29599 89932 77727 84971 75640
91780 64211 98824 28167 51084 45946 42866 71576 16080 70344
60272 27391 97576 82432 06139 95875 95800 52854 56219 43459
56253 50884 40751 15645 53001 54654 64325 80091 22857 15767
97726 29565 98858 20497 52683 99434 16526 14765 75461 79413
91284 85057 20253 24216 90537 12501 88273 92838 48792 42268
43537 71135 99296 35493 41211 57383 20614 95907 29517 15520
21579 88363 11103 25754 13068 91436 74824 87216 40024 51304
33870 52352 72176 29080 31179 97744 76878 58787 98073 61042
22531 58169 77061 98694 85985 59520 44724 44173 62412 52720
95647 71371 01029 57663 73330 92859 15156 68275 58987 47700
40023 35290 54213 58497 36768 79989 18430 62369 66060 56092
47051 45540 79796 01962 01312 36229 04297 50347 25692 35525
13443 87823 13879 90944 15198 81126 09202 42343 99934 12576
50470 94888 24031 91756 99172 98761 27140 35673 08947 40293
06606 34530 23280 74202 97432 45361 12370 51648 31268 80666
85079 23761 72815 84261 36932 25349 57140 11523 20071 68479
76280 56208 46138 00594 88615 91054 57995 06876 49430 14332
26300 00000

11166 40122 91082 26027 03009
31232 61534 86099 19530 91394 57710 66346 30398 57878 70672
33000 68484 50414 34013 03700 45393 19092 33509 58972 96935
83856 48356 67128 01359 94415 94444 19411 48846 46489 49378
73843 54477 15353 63922 31190 31830 92595 89556 91503 69412
37046 76833 64657 77117 75784 24230 33332 94885 16205 82160
91874 80761 55038 41874 09479 20525 95289 63878 91111 26104
07024 25624 34642 14938 92936 93099 07589 87483 44644 46047
91936 45057 00640 11478 70465 15196 41842 85169 53006 76722
85681 45852 66087 01709 64658 91743 54393 56516 00312 54146
67474 29115 08534 67776 30157 74849 97173 02520 20067 97854
41862 86302 00739 10301 50992 73761 83713 36664 55802 40405
18082 55197 86493 06943 30915 93797 20322 23491 66996 22456
12593 68313 01320 09480 46513 40815 22775 33664 62819 53450
12461 69620 55138 52252 65065 88420 41997 20656 26751 40777
51440 46319 47982 14918 79176 55608 74724 86362 06197 45453

26476 01779 86810 67256 34530 64107 43020 42530 38951 11145
26188 14972 67668 04771 31919 68640 46135 73008 79111 66944
10994 72102 89097 92110 26188 60802 25826 89832 24946 04050
83012 48781 26080 48233 29201 69663 98048 35224 46677 03525
69200 47367 25159 63974 07651 00609 96217 43022 19228 27968
19354 85220 36916 20520 55674 99786 00249 18084 90102 15416
48069 66816 88061 07436 73122 85877 97565 52035 11885 10366
32665 87213 68099 02719 99172 85164 93429 49748 48606 65768
73687 87515 71305 05893 94057 21223 64636 24171 81771 32306
37229 45967 49650 89935 35199 78192 88975 09086 01266 48687
85106 22381 02732 89825 54288 57900 89231 71057 25091 40116
66221 10059 12920 56180 95111 17181 61019 54716 56008 52896
46427 69325 33989 02910 74304 83988 14842 00640 09079 82541
01229 51746 15848 49433 85183 40401 10470 13926 37904 21985
41783 54953 02763 31886 54393 08803 02478 65118 27298 00000

Link 60070

10272/9075/7518 kHz, 01-12, 0030/0040/0050 UTC

11166 60070 14789 01075 00049 00000 00000 00000 00000

10272/9075/7518 kHz, 08-12, 0030/0040/0050 UTC

11166 60070 82306 04075 01979

79594 61079 00866 71262 37066 90355 77355 66055 40902 04576
58014 40463 76599 18500 10530 33585 13958 29220 64427 65796
63135 73339 45887 81047 86670 68287 20000 54119 97961 82971
09635 66752 38189 35868 33259 89143 94350 73265 62649 98717
97773 42486 78069 93190 43339 42755 98370 44842 78657 93113
44725 56025 10217 20862 71260 23983 38259 75868 05240 84851
59859 17202 72508 38479 65795 53446 02828 20161 29564 14364
78207 92613 91612 50259 57259 17145 88272 83406 12726 78461
16112 13727 52475 62709 77081 42075 54380 63083 03275 87845
31981 99342 21155 19535 02875 72099 50401 74164 50839 85863
52850 79251 58940 11670 63919 18636 87369 25411 78634 18718
90049 72477 64017 91912 20355 15976 61416 63321 12423 44352
02997 08888 69818 50578 84862 92554 93730 57258 00517 33850
28278 37191 97607 62966 89333 20423 82826 98349 55649 90870
54616 99291 41380 47551 14574 33423 57674 04878 55267 87641
47458 06705 22156 89089 86782 92218 08479 90418 20916 87644
39253 83677 73271 86215 18523 01143 76741 88307 96040 31327
65187 83380 76378 17070 30794 03948 72282 86109 86441 04658
74297 92684 04334 25092 08691 02586 59521 46186 20939 90025
32630 54312 05902 46979 57428 75195 00000

10272/9075/7518 kHz, 15-12, 0030/0040/0050 UTC

11166 60070 91235 15001 00049 00000 00000 00000 00000

10272/9075/7518 kHz, 22-12, 0030/0040/0050 UTC

11166 60070 78541 22001 00049 00000 00000 00000 00000

Link 70059

7379/6774/5463 kHz, 07-12, 0500/0510/0520 UTC

11166 70059 83124 07001 00049 00000 00000 00000 00000

7379/6774/5463 kHz, 21-12, 0500/0510/0520 UTC

11166 70059 45689 21021 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 01-12, 0700/0710/0720 UTC**13473/11109/9178 kHz, 01-12, 1200/1210/1220 UTC**

11166 70202 87541 30043 01839

69360 19699 14651 51421 98968 48367 44620 51892 41853 02455
98424 63037 34638 83994 55826 06677 76535 14616 27787 26670
07032 67698 35963 80094 30534 35378 66501 00010 98938 85113
71600 96989 88035 85476 17255 91608 28705 05889 00634 95079
78836 19951 85524 80214 46906 67088 29275 09915 03151 52173
99691 15359 39281 87834 05295 41090 62663 09120 87412 99188
35911 15214 47514 99705 97832 17895 08236 49559 26649 01418
31547 37076 31450 23506 42466 44363 82798 12149 31795 54696
18441 37884 36284 47120 85044 66260 19685 95444 01920 20158
03113 13814 57634 06664 18165 16053 75495 88181 81234 80972
08803 02472 12444 40810 51828 61300 47658 35011 77458 82395
16986 96525 37430 34381 88237 62813 86106 99398 98750 28742
13721 83081 24038 83569 00033 26591 56686 99193 24334 00377
93951 61862 92733 84378 57473 64519 68672 64328 93566 02000
17593 98861 27512 36222 01710 37112 70285 23606 85812 91484
01171 21878 40047 95290 74688 18455 50595 99932 25274 47603
74217 91333 68153 88553 97568 30281 19845 61758 87241 46395
86723 65483 41470 40392 95099 19915 79430 74336 61223 10981
29074 43181 00000

11166 70202 98532 30044 01539

32100 18855 21727 88323 41294 25172 60027 38311 08177 66867
17692 36531 68591 14629 80551 49125 13184 96371 36603 33142
87521 16574 66407 57282 39574 12418 17572 43052 69240 20192
30500 62274 59619 50382 07602 51866 94701 94894 43141 31862
93179 14838 55925 37577 13053 82318 92005 01880 06727 74670
89587 48497 31285 44566 23341 82288 43620 14446 70283 87436
35129 68696 64436 69480 85627 42026 32443 02135 41207 27467
27324 64834 45698 52439 02568 81936 80430 96327 93744 99520
91990 47992 99818 60726 12646 26663 81361 65557 03141 14644
17848 26104 72535 75281 91215 53110 54789 54616 87887 34818
46765 90162 36438 94050 37351 75264 23086 34441 82382 52444
52213 11764 05045 34197 44090 91302 26466 74667 86989 77193
56159 40636 85888 24669 97024 55267 74937 71159 44582 13041
85887 47171 85141 89317 89662 52899 22571 92970 53257 11485
88377 35519 79166 34884 14775 15205 19510 63261 75419 39446
82057 44151 00000

13496/11046/9065 kHz, 02-12, 0700/0710/0720 UTC**13473/11109/9178 kHz, 02-12, 1200/1210/1220 UTC**

11166 70202 89514 02045 02439

35712 35696 32141 33068 36495 99096 21880 21895 63630 61385
24479 81195 44305 48797 97651 07230 73271 77358 07840 38720
51736 66067 89847 23789 65796 47822 95251 30743 84111 76545
21765 63645 79507 53933 40742 68605 04186 24280 65024 41733
73244 10791 24295 74689 36172 91853 40151 98770 41033 40676
18063 13471 21010 76747 98415 10445 57987 02549 33829 28828
02894 23957 84918 02838 57451 77782 51718 87595 47047 14863
82922 74110 39404 12167 30157 29365 88739 12344 39445 22428
10102 14141 97084 22546 13566 62147 72089 80142 52983 09288
22414 26665 68968 50505 57130 54219 30813 51079 71744 60923
07009 18002 98853 72922 19080 87865 41319 79001 58393 29688
80140 38737 70650 86118 74237 50114 37744 01455 94301 87556
11661 09923 57920 46311 80125 82642 58164 54105 68670 56720
02812 36038 08816 94914 06410 43624 27056 49299 02350 83937
34330 27371 67157 09795 20665 84038 74169 56903 84693 87918
18801 38925 52709 35399 82570 36387 66968 10883 28096 40375
47916 16667 42222 36951 60023 20882 69492 43235 35927 96943
03129 31075 38558 52939 25726 99260 65943 74392 16838 80208

28377 28851 69647 92049 52629 05723 83902 72076 92912 89804
27313 52468 53255 91941 82591 64236 51000 85247 22321 80337
76099 20339 78850 33878 25899 18001 01392 72357 20097 62734
17514 33883 25568 45626 41213 56291 45735 29964 94764 55125
54185 38049 36517 31389 77204 82630 11845 95029 54928 91417
69421 15075 35795 98085 10019 32373 83988 98226 60012 95869
04549 45241 00000

13496/11046/9065 kHz, 03-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 03-12, 1200/1210/1220 UTC

11166 70202 96385 02046 01699
66274 82176 26275 04312 80191 02934 32698 83494 80880 77409
96089 34704 04181 10176 41135 65524 83801 23654 24358 55616
78265 86604 45292 56337 87797 92315 06196 33050 84592 03690
06230 79784 04899 07417 81057 60962 76356 44407 23781 59846
79026 08688 48171 38424 63548 31946 80112 38403 74862 95895
88216 78008 54943 39674 89524 24262 22962 54436 91253 45447
56343 82349 54507 73428 21123 62166 90902 30526 25072 88574
28044 00628 92002 77491 04776 49230 80712 54514 82168 22084
96985 08700 81155 77149 72104 78855 82769 29537 06300 64550
51921 14120 00583 79013 70641 95519 25386 86109 91736 80127
99469 88597 48793 09882 77510 59833 83469 42453 69821 36122
76002 47560 42638 11907 89880 74072 72413 04965 66616 67607
52544 83827 31548 43304 75988 74578 96613 43458 42186 89243
71046 34708 61745 42951 15901 24459 57315 52040 03381 01235
84084 30322 66873 28639 18351 25671 52662 47622 87595 64134
09218 66733 40492 93748 75040 45046 80302 45253 50966 97455
10086 51880 67882 77017 63156 95421 85799 46167 00000

11166 70202 74169 02047 01999
08663 98926 48660 32411 66536 38865 58141 13435 63097 95554
94528 77539 81865 17632 31151 17127 88638 28001 27139 25868
16884 94559 99778 54238 14167 06090 22753 94447 35556 83025
98688 36952 94932 77759 79465 65738 10154 44192 32714 84560
02993 81212 77943 91325 39810 79780 40731 42806 23883 28319
98423 76877 75325 56091 15771 84460 59553 19256 93948 48356
50218 59280 81387 91164 37547 88412 19864 99477 18036 81883
24278 16515 26427 81538 19559 20425 95904 40585 83143 30397
57458 64137 66454 07809 14335 25248 93815 44572 52536 61120
62254 55877 73278 79180 90614 19516 58369 27702 91427 28977
04430 10665 63971 52499 86903 51548 31958 15265 39784 35728
74293 46929 62007 86178 22333 61668 86439 52165 22084 62932
72398 15608 84784 90095 07653 44814 74304 49189 30824 50252
04787 94899 10143 22078 46997 56026 39489 54072 66790 21585
37648 83701 44148 29744 61739 02974 46221 26772 70728 19788
52809 88207 99988 74453 57721 19406 32821 41079 94457 77683
79898 68503 59636 83218 02546 40476 32621 10922 40810 59752
14766 80438 32257 85811 36740 86494 32421 80868 07348 36752
72853 43876 02289 89381 17715 37206 16304 07518 04827 35689
27136 72807 82144 52706 44735 25221 75571 47197 00000

13496/11046/9065 kHz, 04-12, 0700/0710/0720 UTC

11166 70202 93457 04053 00049 00000 00000 00000 00000

07-12: replaced by link 00000

08-12: replaced by M14

09-12: no transmissions

13496/11046/9065 kHz, 10-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 10-12, 1200/1210/1220 UTC

11166 70202 35412 09048 02739
39567 49427 64202 65968 41806 18846 32394 62312 49964 39401
71783 31291 99840 37816 29634 52456 80378 89741 13869 88746
97845 59403 85037 15045 62374 51054 07354 42147 51557 45692
26014 72080 30774 21461 62963 45701 34948 81184 48313 68521
41421 35465 29587 25692 88619 14790 25986 22086 20214 09072
19865 08412 59455 58075 02597 79307 43371 41154 17026 54337
71517 39749 63684 77839 48960 71068 62970 98558 28195 16407
90470 15006 79667 92522 27610 97464 45603 39524 94826 22614
56823 23695 59449 81667 17233 78697 35475 48001 85677 33599
17424 15182 09846 01139 15462 41345 91916 24702 83987 60859
90624 07412 60857 49215 89445 71791 59445 52066 85574 23431
80722 14378 79402 17093 37542 70608 69164 48700 08320 81853
80441 21637 62297 30918 85232 60806 23572 11219 90246 72876
66089 70481 99130 76159 56774 95159 78311 48552 88995 46513
81126 66986 73555 84281 09962 36813 79375 38895 21047 34574
41088 18159 01627 12582 75704 59347 74178 38759 75550 62643
07365 70170 69665 66864 38418 83672 70836 53414 36634 12149
50478 89389 62669 59729 08518 45788 03322 94465 30493 51750
86491 41874 49051 70771 06008 27807 52019 09832 10998 44068
04248 97363 39499 35223 75414 91011 01002 30038 90971 01114
37596 65987 48421 40838 18422 80261 66114 38925 47116 65719
56752 75957 86922 15216 42793 30108 33172 02750 55926 43296
87816 74864 87823 43688 15691 50737 84351 85490 87213 54401
00420 91957 37189 27535 57666 12566 94417 96245 72163 30281
61793 90310 44323 79864 51575 38279 28210 63149 05521 86909
22423 72229 54574 18343 49753 56488 97793 63478 17801 94428
05195 34975 77731 56207 74219 28323 23367 67841 94500 64408
97794 48271 00000

11166 70202 24786 09049 01759
39131 08635 36135 49818 05621 78920 28588 76497 57486 12516
77573 74803 57594 64455 36751 80483 96969 26264 20746 26699
16589 53681 37541 74731 04668 71839 08078 80722 74116 81306
90244 84389 49867 13449 49457 30650 20744 08559 42997 60097
35576 15156 10321 29251 48238 33930 86495 46544 41298 54749
80988 34961 82969 60164 88956 57274 97054 93864 27252 64819
50556 17504 12327 55739 88660 04349 22207 53643 71764 43177
09748 42605 94246 50874 59340 19459 89657 17146 04264 49303
52031 29811 46870 35181 27991 54092 48785 37841 59346 64343
83323 06546 80865 51665 67294 06849 02911 55831 14382 56283
33623 94970 77312 03893 20351 91436 70959 14555 14995 17313
93608 44023 92975 07982 88542 15629 80499 17190 13158 34583
69803 12072 07775 00811 27094 31532 81355 06260 22830 56461
56293 27622 39070 65195 39478 50393 33554 72670 11816 85231
65203 76705 53392 62527 10751 59852 46473 16137 27151 20247
23517 92215 39497 29909 52399 44087 59101 43909 76032 99078
61443 08862 48563 08272 78670 44172 35344 15103 86333 94466
68859 03742 89052 49173 00000

13496/11046/9065 kHz, 11-12, 0700/0710/0720 UTC

11166 70202 47501 11042 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 14-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 14-12, 1200/1210/1220 UTC

11166 70202 86423 11050 02359
97484 01400 68806 76752 54858 81328 38743 02795 91369 17946
04902 12917 58463 34940 93126 48334 97149 87059 00570 86871
31880 48190 29839 82457 11771 36251 07229 25034 53884 48347
52218 56805 68246 04609 90434 05783 69294 24162 27252 22539
03429 81665 24226 31135 47376 17855 45546 30138 57032 02519
66701 04676 71486 73364 62529 35463 01907 99194 16861 15740

59975 40836 20919 12055 05564 08267 52689 29838 18332 37364
54426 69691 22945 34723 50494 85341 22584 63982 72724 79191
20450 72083 85488 96405 33944 78913 27654 03470 31208 78765
13631 62155 44714 27051 60685 34841 41601 10703 34708 82110
55425 25709 31631 38577 09037 10213 36672 77869 83244 06613
28605 02709 10976 51112 21227 21034 01616 14139 59233 94081
25199 40087 10662 67393 11164 59809 23117 20660 41336 74305
35942 97352 41842 33032 65543 00083 03637 55288 06040 62612
86327 68095 12441 34468 84993 59027 58522 39094 64672 67409
86600 91467 92217 62346 91388 86129 20202 80995 05126 91569
02561 25528 76154 11882 46661 42232 58152 01657 31487 31170
52188 45026 46617 59845 68802 34808 31700 79311 02296 12685
21102 66153 34402 56356 23414 38795 09559 24602 90516 21553
48935 96190 55876 54885 95420 63574 46775 75267 06761 67309
00145 13137 39020 82131 36707 82338 87569 90630 73104 59511
77777 05466 76701 76862 22597 26042 92749 76742 89232 40610
98608 01490 42082 09706 64700 16956 54129 91872 26888 93163
03984 97615 99977 50233 00000

13496/11046/9065 kHz, 15-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 15-12, 1200/1210/1220 UTC

11166 70202 96357 14051 02199
93901 54555 98399 61163 20941 15845 26624 67705 63442 90897
82483 89336 80045 00034 78200 15273 32332 03676 53461 06813
16118 02562 95232 90173 94407 46259 99085 56857 67944 29671
70458 63714 44295 82207 89295 49905 91409 79334 86513 12947
86588 31163 05707 11022 96798 27779 48553 83751 51276 46003
27350 08611 92349 47256 73111 35174 15424 21236 72669 64382
34062 55069 33224 65013 31103 32651 97760 44555 81750 93842
59795 16652 59573 08218 50864 32325 61349 43051 99212 67147
11706 30231 83107 81570 33466 61787 27217 96567 94669 68713
15497 51817 68186 62787 19017 38573 64859 46059 62161 24446
26131 17707 75655 12256 87070 32939 09840 00158 45757 93639
06634 35226 99936 75440 53632 77679 36916 20897 68769 17945
87603 53474 88982 13730 80657 92022 61319 39313 57660 70417
59925 64224 35280 92075 77344 03507 25320 74014 63578 06745
48641 60149 11330 78060 03849 08523 10884 44242 76711 82141
23048 13209 01244 98114 43600 90000 08376 14784 57678 42465
23167 61524 07546 33849 96489 40913 22174 64463 82121 57946
82086 89622 95185 55993 17880 06041 12881 64181 65886 23871
03426 85889 29397 66576 94171 83041 18891 65822 14808 35893
69703 43574 76601 82990 60575 98590 73617 70993 81518 39499
16837 69048 24434 31640 37136 27401 94922 49867 18038 84935
68723 54495 44195 55323 41221 32577 76531 51217 00000

11166 70202 74163 14052 01999
70497 50264 89510 24172 96397 10915 69515 12947 08911 41205
82152 94851 75991 84203 34242 36383 67102 47159 36708 40577
14487 51615 73909 87407 83915 30893 09787 58272 65841 29619
04262 11738 22905 84991 38328 02754 54722 94479 71275 62497
65895 99626 78469 81065 48186 40658 43149 60172 12783 61582
00657 28065 33607 70457 58548 33825 87589 84530 41020 63260
02858 14923 31093 43556 50771 70551 08983 28894 42740 85986
10104 84209 17770 02908 51135 09281 31663 59873 97593 70340
83818 70069 71348 31393 42571 91742 21510 02424 54995 20986
07142 46695 52128 61588 65223 14311 85530 51609 62301 94232
56143 51389 53274 01949 21359 22668 95744 44966 91253 53506
93365 33332 49924 08692 66641 27355 62851 10330 74598 39722
56238 78283 35777 34199 79263 85179 21973 88102 85177 05642
23173 10721 92184 64454 07123 34890 10047 13338 21952 23898
43353 91026 15314 60901 07377 46333 68455 13059 17482 28893
68680 87555 37984 77261 68612 21708 01440 59074 05723 74341
34271 42941 80551 10620 49679 06762 17046 97525 93783 12161
53477 52170 55916 99716 37353 10117 79016 84691 22777 05923
31060 57918 93685 83068 23464 21568 61396 75468 87395 14461
09920 27752 43931 06610 87452 46507 29007 52197 00000

13496/11046/9065 kHz, 16-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 16-12, 1200/1210/1220 UTC

11166 70202 61547 15053 02539

98041 01795 35842 97370 60816 78748 05464 16905 51451 75940
07506 87520 06449 60037 71087 08692 67586 36969 86077 05915
18090 76549 44987 33906 67344 79786 98233 46680 70080 18544
71226 76727 90962 02260 16702 90445 50535 51404 00757 12041
13448 82360 46003 33061 04903 33420 80291 49771 66262 86573
64443 95547 85762 64802 97416 60470 65247 09534 22357 15320
08888 67964 81960 82150 44805 44933 96596 18638 15543 99037
63614 08374 98327 87665 01281 74321 41043 90650 85791 57585
24878 67223 54776 28714 89557 25951 75752 23701 82119 12353
02951 21887 15162 43879 70967 07941 45495 46943 98659 85106
09148 75688 01737 31918 73654 17183 37487 19544 93571 12725
30055 31975 80139 49953 49741 56230 21064 05444 44729 34765
11310 42479 48697 97276 80883 93688 12747 14093 30521 83227
35084 38328 11219 68211 86891 28999 08559 04056 57832 72278
17747 63447 69614 43093 20317 63606 31064 74228 98433 81537
33143 25146 47725 61961 07336 67698 74594 47604 95858 30919
88931 86538 07128 72088 28191 96270 54906 66253 73730 89237
04591 31391 45393 89437 75061 31407 85240 94840 69534 24150
66381 65306 33854 46638 87840 40661 65671 54672 41399 18651
22930 59040 61342 47440 05111 25487 93058 12344 05669 30634
41422 21497 59096 91059 84898 20126 31053 07696 66305 88127
25002 92751 96183 00633 03783 71347 29689 56250 49572 75031
02966 02668 10647 69393 39925 14308 08416 82933 65380 01723
03134 29403 85451 57413 41748 40772 21209 67757 36307 53049
06468 45748 46380 12101 85680 64215 63913 91694 72868 94215
23965 53251 00000

13496/11046/9065 kHz, 17-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 17-12, 1200/1210/1220 UTC

11166 70202 26487 16054 02339

85783 66392 67730 48520 61173 84011 01262 53805 27980 81187
09011 32668 76699 65847 82840 80534 40001 54049 41586 59331
41257 06374 81780 94862 00197 49966 56605 15312 44136 28407
93996 85534 98201 46603 89854 16840 53002 02888 37283 56954
33177 25512 77806 89841 15261 55721 85494 00078 68304 44596
19932 81465 15682 55858 08978 94565 41529 91814 47246 02855
90256 84635 21248 42175 32549 20151 97123 03174 96323 86358
31922 31418 86056 63819 94342 74876 38931 00140 05895 33449
91236 35725 38397 90234 53458 72982 28771 29223 17502 06179
97047 69107 44476 54119 78543 67887 06489 62855 06128 77967
80871 70593 03526 56431 20299 52003 75598 60173 47209 84101
06528 80587 45991 00911 01853 97492 51352 29074 35288 56979
56324 21611 86269 02876 88327 32011 79153 16515 26748 95844
60019 44481 60444 12075 72005 19043 08645 41274 15118 00944
53657 62916 01447 99244 58826 58940 41733 47904 70192 15769
24223 43786 25270 61975 71736 75779 17404 83778 87907 99716
89114 85563 28511 38785 52898 87596 58832 14113 62899 78151
83004 35212 85899 62206 56261 04984 45062 73911 16032 18948
34867 45018 92825 63413 30675 46449 86834 42248 41359 45200
21202 86961 78439 43766 07882 29766 40156 94265 87040 44315
33929 04470 25926 83817 85623 77907 88148 71181 09080 55237
09309 20914 34329 49086 39914 97437 17936 89523 41513 39527
83912 22367 46992 05535 68636 27521 20970 19118 68201 49501
81228 54231 00000

11166 70202 79457 16055 01899

68941 51014 75491 88100 25546 26081 26978 05902 14325 58590
81322 80242 17395 22083 96032 22771 88478 37589 13361 05163
63082 43261 02161 37193 92595 83619 97899 35529 32004 66871
82996 94179 35905 63733 74686 92551 42511 46196 12583 02028

50326 89665 63141 77034 17187 86920 83204 41502 36360 47327
09813 06686 69366 79743 68477 81264 40243 82549 17091 59665
20911 89248 67681 99550 62345 43071 53169 24396 51233 99017
31348 12107 96812 76784 43251 55612 77567 13002 68097 06362
02476 86227 42015 36671 66497 13136 32719 81859 04988 39325
87326 48101 76724 73205 95515 96941 30231 36379 35194 42411
33095 28968 92882 21673 68959 33316 75984 25143 31874 04514
59146 97023 72702 21173 31881 42177 77265 94889 39650 00296
80908 61844 35595 73284 49187 04960 85091 16809 79346 80071
90330 31938 02295 44529 27105 17824 89752 11688 10989 71357
96256 79706 35100 44725 90729 08107 46633 96823 57273 40520
54347 99451 69897 97066 84199 84227 70854 84792 25313 41171
07286 99623 33458 04876 05841 18249 84247 89218 89988 03392
93221 56547 69677 70890 45018 32269 58058 92036 98808 00795
94937 29606 62196 43766 81658 31016 50754 55187 00000

13496/11046/9065 kHz, 18-12, 0700/0710/0720 UTC

11166 70202 86217 18035 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 21-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 21-12, 1200/1210/1220 UTC

11166 70202 61897 18056 02439
96994 79557 11763 23100 23066 22924 65437 34562 90254 80416
21470 61797 82773 29706 26307 02436 90805 06845 60865 39366
95266 23812 97024 69211 75071 07677 76493 47455 73890 01990
60833 90266 81839 51605 60541 57724 17218 87653 79331 58290
22352 71488 22696 63273 23263 30642 65504 82417 95063 23271
61254 47401 67375 02615 52264 00415 54097 03616 90197 34293
42067 23486 26347 81433 22819 18108 80985 98088 01886 86055
51279 41186 70077 62254 66874 84286 70924 93072 52965 69723
48905 14734 09680 43784 12655 06887 67709 71664 97609 43309
29082 79355 62390 11515 52806 18934 03481 23185 94470 04620
22246 87298 59510 15978 29010 67864 79166 15539 18448 97981
68698 77489 00471 72473 77251 74370 21397 90346 88746 18685
59194 69690 82908 06217 27942 06279 16261 58035 75116 98047
32124 07956 06484 07382 59030 32431 23061 82802 07096 69705
04196 12177 21548 25009 21365 29296 02914 08882 17093 45576
53129 05319 33071 28847 56972 16647 22386 01095 58394 82086
29554 77058 40684 16849 73428 15419 70379 68468 16743 04710
13813 37582 57146 55513 86026 59720 23755 21111 41238 95131
13896 18232 64257 23514 54099 69955 72294 90468 19984 42450
86505 02604 99329 97689 82552 18194 32533 33654 79781 30108
15218 34342 78113 88103 96880 01044 02234 57199 60427 86955
62393 59087 16565 07133 91142 93385 97712 45341 65446 85686
85689 29928 73499 59202 57525 00537 35715 77011 83878 37445
39071 51516 64243 75593 94416 68295 33665 74887 75911 21126
24845 62410 00000

13496/11046/9065 kHz, 22-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 22-12, 1200/1210/1220 UTC

11166 70202 38294 21057 02199
31957 34463 29336 77704 37353 88508 53320 69813 75924 56956
00757 69237 65399 71866 41800 50940 76565 42040 69732 02799
31110 62402 66684 47937 82028 59827 51477 77702 47266 05072
58036 37477 07512 45502 17804 32503 04096 38321 44602 45921
97911 88964 45364 86202 75328 24357 05189 06158 11995 55731
20144 60718 30502 10670 76269 95681 12831 39085 98199 84586
53515 22807 15860 55936 64474 43471 22660 77928 67433 88398
23633 92899 34890 99146 96957 18659 65542 92428 17284 58913
05136 08080 14328 89948 48652 63761 65148 15778 84789 21096
43551 08933 68656 92908 75070 79082 33634 46277 70941 36675
78332 81061 39521 43790 89580 88614 98588 69377 87394 20357
36961 91080 02851 20899 98856 10838 24806 05405 89462 76428
76408 85876 25118 26168 07326 76059 76573 98941 12637 29642

78749 76748 14318 91445 05437 51952 66268 66290 32376 36440
68804 35228 37156 54844 03566 73816 09361 89048 24771 52140
69413 66144 67752 21257 19546 07033 60721 15752 75336 77857
50687 27096 51248 11465 79479 27496 98614 91053 70800 48911
19499 13244 14251 46943 04870 72700 57269 04270 70536 35554
40918 53321 89267 93751 40450 22880 42548 17578 96603 38292
40391 48483 48555 29987 82663 99455 04470 29974 60351 55077
10587 61024 20198 88496 04776 48214 41163 37461 65510 07511
96138 06641 92179 91113 97351 88389 77692 57217 00000

11166 70202 42317 21058 01939
12652 07188 48476 33640 56400 96635 63614 20582 06270 16213
84804 03898 13865 30257 40356 33207 42685 08299 13048 73069
43831 22317 20182 71976 44693 08945 18333 54871 55316 20047
50001 25148 22132 10116 74341 87051 83735 33921 49165 24440
08406 52852 56397 96814 18049 73390 88179 38590 28256 66142
35804 72507 59161 38881 48665 73160 96788 62033 55425 41543
09573 70034 64565 76585 49745 87007 86526 54583 94271 50197
44613 52487 05026 29590 66859 75968 12889 67166 76036 78219
55464 84221 19996 80396 23092 30183 09524 29680 92849 71376
55915 55852 55235 43168 25431 12361 63203 13924 52842 12787
58260 34221 81244 98656 53296 69752 20328 99549 76839 41359
40291 71417 08428 20632 43590 24067 59779 54510 81701 73749
81448 17332 09099 81769 99665 13753 91618 65078 13031 80990
11410 89773 03765 63813 35657 83446 43194 60731 41253 27312
96167 64803 12620 14070 54079 47527 54866 82413 51194 59213
89453 64146 43969 44321 24582 04831 58037 95155 17462 43905
32566 92393 70666 65219 16661 05857 29765 53911 97510 53978
74399 20572 64953 45397 20014 78627 42160 51126 72414 85892
37120 80707 02348 86210 94607 60829 32285 12132 53335 39806
52606 58191 00000

13496/11046/9065 kHz, 23-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 23-12, 1200/1210/1220 UTC

11166 70202 25468 22059 02719
64712 36543 44682 57686 46099 39324 57256 11074 51459 87437
50384 69489 57323 35187 28855 98263 72250 09923 27156 33478
69884 21049 73235 94531 20538 61697 15641 13603 07247 32774
62486 24193 37244 44046 05656 75942 84771 71978 28714 67895
26185 78985 21937 17420 53276 23804 52908 06951 75756 17665
66129 75757 48839 05946 10057 48920 86857 80014 15032 20693
48852 48919 70516 34455 07074 25643 75089 26434 34328 07589
57629 25378 71107 55988 93131 25378 58451 03937 61587 74021
47454 47712 23369 43065 21387 01093 09553 73812 91336 17350
50631 14392 51333 08600 92024 91108 03879 17211 69863 81073
91826 18945 45453 78284 97542 62527 21867 70354 95295 75328
91110 68068 67801 89847 85288 54966 22867 70685 30208 49126
71071 46690 24868 94344 50419 77966 95259 22900 08897 12439
95923 57083 80887 11652 57701 41690 18368 50493 05103 24650
62820 20534 91759 27995 68814 91666 27366 76344 15181 11735
94568 75095 64723 48833 79233 55511 58402 05980 62532 28890
49266 28274 82771 70015 16952 41242 39515 09834 80267 95927
88625 58803 66010 49242 78776 30173 40775 85781 41391 73908
67935 40618 92427 22621 25131 23919 42838 81616 41382 44169
02197 84512 63327 76901 09956 86768 09942 75893 78426 18640
25191 73401 82312 69726 87717 66787 78685 26649 87315 38009
92073 36095 27316 03006 49028 14855 62263 37868 96327 78803
30444 78628 87571 12695 90382 41565 72066 52697 20932 60885
70785 03469 94133 90663 73579 61658 80316 67913 42024 67774
94869 83672 52372 58205 45832 58973 62806 39333 92091 72542
39620 55620 70997 37178 26443 73404 05332 71614 91090 52565
48625 64730 34241 27565 78372 79138 94491 70139 96435 92690
00000

13496/11046/9065 kHz, 24-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 24-12, 1200/1210/1220 UTC

11166 70202 96357 23060 01859

17418 72382 43550 40913 59295 53795 87995 36272 32888 61510
04144 98916 25865 76236 82334 89515 61367 87664 16013 75271
50287 99658 46451 47277 46788 51565 88029 40694 17975 10320
07531 24964 63658 13044 55874 56213 47164 64818 75721 09062
23108 21317 33410 30008 73085 10996 48629 79590 85203 76513
20297 55494 38401 40084 72058 13818 77494 22442 65857 30658
89878 70103 57006 71221 19825 70619 89198 58642 81321 60508
52903 59695 55381 55543 55573 29586 82754 58093 77106 83015
88002 21210 09002 83704 95845 74131 00640 69549 25735 38898
61136 55629 75590 92780 90189 82215 30631 56182 36381 99994
58241 10729 06344 09694 74810 77212 73256 98271 95484 08094
58085 38892 02761 74234 82017 46851 94873 50568 13532 08649
99895 30366 58522 26388 66506 22823 66934 44701 67354 13617
54344 52378 75956 93151 61911 75891 03064 82163 03149 07001
03451 09373 70947 31630 89035 20877 03299 52200 09301 25973
31132 20605 84924 09089 56732 24024 05582 62511 36152 90746
27835 19618 64072 08211 34064 93263 84534 70432 38372 49046
75997 97020 50390 68120 84139 90953 32947 79240 00860 27325
14505 64740 12901 60183 00000

11166 70202 14768 23061 02099

91720 01431 06637 96449 91881 63207 27314 93464 18440 70129
66080 75566 07711 97307 41149 22084 72623 65805 14936 05608
53736 41479 07033 50648 81294 89005 83078 71692 34255 10761
67928 32843 07225 25265 56591 96223 21246 64849 21347 51342
39364 97261 38505 42602 72924 00876 83214 37140 89519 48209
65793 00188 58545 77425 07988 70137 95284 56511 82614 50507
89462 69816 65022 60979 29221 81652 69800 14720 56428 56618
71188 14142 14287 41356 30604 82325 73151 37425 79742 72262
45517 19972 32685 21125 26100 81885 25438 41734 17953 08136
06360 68432 30557 09969 25898 99532 60820 73658 99086 03537
92924 03491 39229 81311 77960 63679 86211 01412 79279 48889
77888 50730 94511 38064 37961 67675 90177 11244 78805 50044
09836 34053 42680 54802 41706 39554 29744 31938 56699 62157
86330 59587 52793 03259 51919 72616 66701 33312 88227 01852
38757 60009 38871 66135 41959 17268 93034 84406 11117 54697
51574 99987 33030 32249 19006 34263 83640 49724 69808 11943
23095 65840 62478 25095 84653 86524 99776 28132 18389 27145
58611 80947 75595 78343 37971 82380 44879 30179 98382 61199
75820 34255 91289 16796 51194 08521 01829 26773 93651 14440
53404 63607 17808 61206 47536 87596 63690 16705 37378 08246
72461 29884 58385 31314 90368 94259 64532 61207 00000

13496/11046/9065 kHz, 25-12, 0700/0710/0720 UTC

11166 70202 86217 25068 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 28-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 28-12, 1200/1210/1220 UTC

11166 70202 39461 25062 02199

63765 26823 76551 71361 70998 95874 72477 35488 69862 60147
37665 50748 43849 73899 02361 38179 22152 78086 21318 96420
97356 07581 03644 19724 59246 78961 45489 30123 99416 32304
32750 59706 66367 25409 05977 43918 75772 03921 04681 11837
05623 95744 33224 84364 30904 03240 15472 16259 77530 91581
30411 42953 00185 96769 45906 18101 13792 01695 92791 52778
33274 53710 46477 92283 01313 22145 08273 91474 08770 19195
03595 74573 37481 32637 39260 90391 80103 43785 87050 98887
16687 29146 85734 50027 52691 69206 78727 40848 48096 12777
29593 61704 92330 70349 82558 67588 04675 34887 60235 35503
64850 53503 15741 93803 03465 98448 81396 34440 07009 10855
81197 44061 17101 15671 99236 14895 28641 31227 21282 21352

16592 21865 91673 73294 46055 67071 52748 81894 45338 45558
58969 99038 46689 57711 82952 16193 24409 34867 55569 33685
84999 08833 07323 36337 89061 40109 03183 36373 09614 28230
88062 69560 56521 52675 85124 55505 21733 17791 14115 58044
24998 00142 21896 06679 64770 21748 42376 64972 03964 97640
28025 56866 45262 31163 20152 86835 75673 55475 50148 14840
85003 44674 88868 71984 87942 42990 86349 27855 04457 85483
69039 45438 78165 08685 86746 84582 37394 74605 26470 39935
28592 56582 35323 24282 76798 60353 19720 33240 52851 78847
13020 52235 52013 04084 28817 91698 13722 62217 00000

13496/11046/9065 kHz, 29-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 29-12, 1200/1210/1220 UTC

11166 70202 26457 28063 01699
94870 68046 29567 12964 21825 15109 99296 98440 57095 49526
54972 61069 23030 00886 08759 57837 60409 27257 96887 74276
93744 10456 99698 43403 19727 67020 40285 57720 61006 85852
16454 47728 52484 28455 45657 25378 52324 52706 27613 15898
94847 46105 54285 26440 27515 79428 21910 24984 99177 16732
24769 27924 91784 42640 35377 19792 12736 92860 00797 53543
90067 98849 09739 04849 37652 82589 10168 78824 82612 62385
82065 92646 72127 55647 95070 82473 01817 89573 05665 08134
32901 55690 73599 53994 90314 69167 02240 49461 58962 18864
32534 57553 20311 19029 45276 04968 96503 98604 51359 52099
94169 89057 74701 26429 65140 96693 57540 67731 26244 70369
42774 58544 05367 00564 13045 38313 05973 10727 91239 24683
07269 26854 32117 90340 42204 36220 59723 68873 20483 71212
30303 88061 88790 79194 25382 54049 45409 64349 04720 34839
51421 12430 73801 16534 05674 34350 45582 30773 75708 89573
01145 76793 01834 75218 78977 86563 16524 91818 47550 06418
46344 21690 40883 93631 88582 80829 61781 63167 00000

11166 70202 67134 28064 01939
82215 39635 02819 10592 90998 36996 93074 60282 37264 86181
72326 43375 87965 21247 82308 00842 84463 06500 07034 40123
75851 21844 93268 06263 18381 78696 23847 17207 95699 39896
10993 99195 39570 42067 01863 83194 55769 43852 13469 48293
84846 48464 39200 23023 52436 73994 94096 80512 88809 69909
91092 88435 22344 03178 65398 99675 76617 62465 89216 94657
25796 53826 43978 11270 88009 86349 42283 23326 61409 71170
16737 53501 32579 82305 17871 31671 12010 52742 88327 34605
76298 04216 05512 67942 21785 34118 09873 76393 59291 07972
61030 93094 04675 30909 88917 64067 44856 96589 32126 08710
84029 37003 80649 02263 99738 21579 65209 91182 63499 79059
60351 77364 05661 40558 93491 32149 29191 27249 77118 26054
02084 31122 06316 85162 83057 62244 88815 10116 60242 60960
99746 18630 07554 98468 78288 97495 88412 14223 08403 74983
61532 63579 50828 49599 68434 74139 18546 36119 07392 34218
12876 14854 23489 61884 62415 95068 69475 27998 31990 28505
17118 31694 93814 33933 23718 51745 78052 18679 83499 22236
44947 08062 18547 05997 45733 18681 88974 64225 64499 36483
27031 45737 58197 85555 24812 44289 36982 98580 30274 97393
52071 64191 00000

13496/11046/9065 kHz, 30-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 30-12, 1200/1210/1220 UTC

11166 70202 96347 29065 02319
54708 16421 02740 87219 19479 82238 89228 44462 18641 87620
88124 19465 99299 34280 13922 89366 45464 08832 07579 73381
00351 38082 31723 02596 84107 21377 51115 16027 42876 19675
96806 75147 90146 06062 37416 14048 26328 07365 05983 67434
47483 91575 55821 43645 79164 80759 43811 34872 96275 94137
64575 81781 14913 51039 83967 34712 67116 88396 45317 78643
94465 72482 46865 14128 21465 09577 13824 11354 94643 85236

13516 79553 98326 86879 86999 18927 82993 89343 95651 47268
67179 08131 06120 18490 98845 50012 62092 75231 87157 15680
16326 02733 40619 34142 21359 76168 72479 33545 02363 18626
59376 78097 60544 11910 64126 25815 80573 27379 58625 86729
40429 68973 07774 86297 47142 45652 00380 63651 46846 15401
37971 59415 82584 68016 17456 72757 98305 38845 68568 92358
12491 70666 32035 31004 09852 65907 89402 18477 24519 96379
80463 32428 13188 62719 69218 71934 41633 20726 44307 03418
33042 16780 64854 33606 51601 99532 87659 89243 19780 00047
36673 08222 92733 97591 00695 71825 38279 13263 70235 32773
95874 98622 49470 18758 13039 11550 04234 16154 82647 96483
31983 63587 29553 11243 64672 10064 19946 67629 40477 17328
91924 77972 05297 11153 30675 24827 29992 11241 36733 96003
54269 94423 60741 52114 93173 70856 03152 18824 67106 77878
02303 21008 41325 21247 59316 00974 85850 18416 73251 87969
91714 23551 84940 11136 04505 38980 52963 73114 61124 65229
00000

13496/11046/9065 kHz, 31-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 31-12, 1200/1210/1220 UTC

11166 70202 19436 31066 01839

11606 08591 29192 08353 98819 18924 55584 31038 51311 03964
29938 29733 85174 04031 28048 29377 29962 66166 56588 95649
50570 72355 87950 77886 05563 49866 05720 05213 71603 12165
02983 46845 88686 03830 00655 72478 05861 47909 78020 73724
32124 19160 32660 32504 22188 91596 11966 47370 51784 33797
83418 53656 62218 50405 35831 98430 78840 93251 28732 56160
33138 90553 32076 96038 43126 67603 23487 36911 31720 57416
35192 50736 87791 24740 67864 00521 99587 51893 13539 23660
15194 59850 54800 96630 09745 63022 32431 41967 64050 81164
98696 63460 84345 56851 98472 20516 17834 51952 45382 77614
43721 21554 85144 89797 44424 88757 63322 10138 86647 68794
39641 30111 67004 15895 16085 88819 01878 91347 70951 11999
66210 76190 16044 66748 10906 76965 19201 42922 13529 97976
59345 97115 41996 78493 06236 20192 35945 18329 42118 14272
35456 40238 67455 90148 11842 62564 57931 21031 80157 80584
64904 13592 98150 79977 76511 82224 81312 30863 81602 37462
88743 35839 03695 24505 59494 30468 97133 72766 04090 59633
22646 42404 80913 78222 44482 78759 12146 49552 16316 10636
18938 66181 00000

11166 70202 82931 31067 01759

87078 93822 50938 76271 40589 69914 77511 56793 66934 47564
31613 37723 29451 78297 20067 74150 83446 12941 43470 76359
91841 98591 74776 71492 77237 57707 48520 18438 40100 97773
02882 86873 97745 24965 41760 36413 23807 60255 09065 56787
92882 81403 92390 54992 60048 39254 98283 00354 29921 21797
66271 63438 94949 64411 13855 09746 47651 29745 29636 34127
96440 05657 56791 46866 39777 94661 34050 47350 78285 93323
86390 46284 69563 85019 82623 22370 55349 94523 02066 24407
15736 77845 77472 54725 30128 45757 06438 94916 49627 44455
48429 59782 10520 41781 49664 90444 43579 92452 63000 22547
58845 80730 55031 90504 10588 63968 17583 53712 72126 65480
25787 55671 75204 90154 09923 51964 93604 61267 33226 68008
75681 01922 92825 72539 55518 09554 86028 77751 97372 96938
09116 02031 53123 98145 80845 56234 37380 62866 07852 39434
49968 87560 34131 55072 00456 56857 41784 83463 14420 93645
95232 71587 26145 41294 46066 26098 87428 26442 40727 20493
47190 75782 98215 52389 81563 85303 50001 11820 79175 65391
59327 46517 11275 67173 00000

10968/9354/7963 kHz, 03-12, 1330/1340/1350 UTC

11166 80214 54139 03048 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 10-12, 1330/1340/1350 UTC

11166 80214 56987 10025 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 17-12, 1330/1340/1350 UTC

11166 80214 26547 17015 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 24-12, 1330/1340/1350 UTC

11166 80214 61587 24049 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 31-12, 1330/1340/1350 UTC

11166 80214 79153 31057 00049 00000 00000 00000 00000

F06a – FSK 200/1000

5185/4835/3796 kHz, 03-12/04-12, 0500/0515/0530 UTC	File 44451 (1280 bytes)
5185/4835/3796 kHz, 10-12/11-12, 0500/0515/0530 UTC	File 04452 (912 bytes)
5185/4835/3796 kHz, 17-12/18-12, 0500/0515/0530 UTC	File 04453 (1216 bytes)
5185/4835/3796 kHz, 24-12/25-12, 0500/0515/0530 UTC	File File 04454 (1200 bytes)
5185/4835/3796 kHz, 31-12, 0500/0515/0530 UTC	File 04455 (992 bytes)

18589/16248/14877 kHz, 05-12/06-12, 1500/1515/1530 UTC	File 04445 (1120 bytes)
18589/16248/14877 kHz, 12-12/13-12, 1500/1515/1530 UTC	File 04446 (1152 bytes)
18589/16248/14877 kHz, 19-12/20-12, 1500/1515/1530 UTC	File 04447 (976 bytes)
18589/16248/14877 kHz, 26-12/27-12, 1500/1515/1530 UTC	File 04448 (1088 bytes)

12214/11073/9912 kHz, 07-12, 0700/0710/0720 UTC	File 44402 (4128 bytes)
	Header: 44400 00000 00000 04002 00009 replaced link 70202
11537/10358/9275 kHz, 07-12, 1200/1210/1220 UTC	File 44402 (4128 bytes)
	Header: 44400 00000 00000 04002 00009 replaced link 70202

X06 - Mazielka

17475 kHz, 23-11, 0823 UTC	MFA Moscow clg 156234: Russian embassy Kampala
11537 kHz, 23-11, 0904 UTC	MFA Moscow clg 421635: Russian embassy Oslo
16117 kHz, 23-11, 0929 UTC	MFA Moscow clg 463125: Russian embassy Rabat
12224 kHz, 23-11, 0935 UTC	MFA Moscow clg 463125: Russian embassy Rabat
10372 kHz, 23-11, 1004 UTC	MFA Moscow clg 431625: Russian embassy Warsaw
14414 kHz, 29-11, 1046 UTC	MFA Moscow clg 145632: Russian embassy Algiers
12157 kHz, 01-12, 0903 UTC	MFA Moscow clg 165423: Russian embassy Brussels
14812 kHz, 01-12, 0918 UTC	MFA Moscow clg 246531: Russian embassy Accra
14942 kHz, 01-12, 1137 UTC	MFA Moscow clg 325614: Russian embassy Nairobi
17454 kHz, 01-12, 1153 UTC	MFA Moscow clg 325614: Russian embassy Nairobi
14631 kHz, 02-12, 0938 UTC	MFA Moscow clg 362154: Russian embassy Athens
13448 kHz, 03-12, 0817 UTC	MFA Moscow clg 162543: Russian embassy Nicosia
13369 kHz, 09-12, 0832 UTC	MFA Moscow clg 412356: Russian embassy Budapest
9197 kHz, 13-12, 0722 UTC	MFA Moscow clg 164532: Russian embassy Dublin
15810 kHz, 13-12, 1041 UTC	MFA Moscow clg 145632: Russian embassy Algiers
15710 kHz, 13-12, 1126 UTC	MFA Moscow clg 261453: Russian embassy Cairo
17475 kHz, 14-12, 0820 UTC	MFA Moscow clg 156234: Russian embassy Kampala
11537 kHz, 14-12, 0903 UTC	MFA Moscow clg 421635: Russian embassy Oslo
12224 kHz, 14-12, 0929 UTC	MFA Moscow clg 463125: Russian embassy Rabat
10372 kHz, 14-12, 0944 UTC	MFA Moscow clg 431625: Russian embassy Warsaw
12150 kHz, 16-12, 0744 UTC	MFA Moscow clg 256341: Russian embassy Beirut
7527 kHz, 17-12, 1820 UTC	MFA Moscow clg 164532: Russian embassy Dublin
18660 kHz, 10-12, 0954 UTC	MFA Moscow clg 621543: Russian embassy Lisbon
11492 kHz, 14-12, 1248 UTC	MFA Moscow clg 364152: Russian embassy New Delhi
12152 kHz, 21-12, 0838 UTC	MFA Moscow clg 432516: Russian embassy Bern
12199 kHz, 21-12, 0903 UTC	MFA Moscow clg 532614: Russian embassy Paris

17470 kHz, 22-12, 1010 UTC	MFA Moscow clg 216354: Russian embassy Chennai
13369 kHz, 23-12, 0846 UTC	MFA Moscow clg 412356: Russian embassy Budapest
10214 kHz, 23-12, 1005 UTC	MFA Moscow clg 263145: Russian embassy Prague
14414 kHz, 27-12, 1053 UTC	MFA Moscow clg 145632: Russian embassy Algiers
14871 kHz, 28-12, 0818 UTC	MFA Moscow clg 156234: Russian embassy Kampala
11537 kHz, 28-12, 0901 UTC	MFA Moscow clg 421635: Russian embassy Oslo
12224 kHz, 28-12, 0928 UTC	MFA Moscow clg 463125: Russian embassy Rabat
10372 kHz, 28-12, 0948 UTC	MFA Moscow clg 431625: Russian embassy Warsaw
11492 kHz, 28-12, 1240 UTC	MFA Moscow clg 364152: Russian embassy New Delhi

XPA1

11531/12137/13932 kHz, 01-12/03-12/07-12/10-12, 0810/0830/0850 UTC

395 395 395 1 395 395 395 1 395 395 395 1
00331 00080 86520 88136 07768 53478 06548 44230 62636 74181
67138 97013 30380 36714 95238 12476 30930 88474 18205 39925
40301 65743 87168 12395 43262 95323 34520 28264 65671 84038
14840 87236 35593 04466 24654 16966 47646 17638 47929 12494
00600 37413 84177 14431 79322 26008 98292 30869 36922 64411
64509 41960 99196 31831 11234 77609 86291 62728 33602 12588
50709 37495 50161 52490 87238 66197 04719 86602 72918 74284
24218 44573 39368 60754 04053 00107 79561 08832 73181 32036
85941 89287 20413

11531/12137/13932 kHz, 15-12, 0810/0830/0850 UTC

395 395 395 000
02446 00001 00000 36256

11531/12137/13932 kHz, 17-12, 0810/0830/0850 UTC

395 395 395 000
02669 00001 00000 40660

11531/12137/13932 kHz, 22-12, 0810/0830/0850 UTC

395 395 395 000
09608 00001 00000 40261

11531/12137/13932 kHz, 24-12, 0810/0830/0850 UTC

395 395 395 000
09407 00001 00000 36661

11531/12137/13932 kHz, 29-12, 0810/0830/0850 UTC

395 395 395 000
09692 00001 00000 35272

11531/12137/13932 kHz, 31-12, 0810/0830/0850 UTC

395 395 395 000
07637 00001 00000 37662

13465/12165/10265 kHz, 02-12, 1310/1330/1350 UTC

412 412 412 000
03682 00001 00000 35263

13465/12165/10265 kHz, 04-12, 1310/1330/1350 UTC

412 412 412 000
03348 00001 00000 36657

13465/12165/10265 kHz, 09-12, 1310/1330/1350 UTC

412 412 412 000
01704 00001 00000 36651

13465/12165/10265 kHz, 11-12, 1310/1330/1350 UTC

412 412 412 000

02592 00001 00000 34663

13465/12165/10265 kHz, 16-12/18-12/23-12/25-12, 1310/1330/1350 UTC

412 412 412 1 412 412 412 1 412 412 412 1

07855 00067 99110 20604 27366 90031 62719 49834 71958 25634

84811 42945 16475 85102 62456 76335 43058 95224 72499 68258

48312 29189 68894 63832 20330 28211 81311 14545 31738 20628

80706 35479 22074 84686 38509 57611 21947 30558 66550 15588

96530 34641 34499 69558 80699 01668 95264 43363 09954 69180

68994 97987 00257 89353 26587 44661 20434 57657 77375 38758

67466 41998 87542 89031 06863 38706 44243 38939 05500 37174

13465/12165/10265 kHz, 30-12, 1310/1330/1350 UTC

412 412 412 000

04130 00001 00000 31657

XPA2**9265/8165/7665 kHz, 01-12, 1100/1120/1140 UTC**

05168 00001 00000 35663

10807/12207/13507 kHz, 01-12/06-12, 1200/1220/1240 UTC

05672 00150 69476 08773 95586 15603 07295 87093 65330 27837

54469 39329 64249 73854 76550 03251 86204 27020 82543 30232

91860 01699 70492 84150 94165 46491 51990 17619 11656 21650

15985 38641 09797 27951 75289 83255 24246 24344 74439 46414

32778 04470 88168 46987 66646 35833 88508 04340 84318 07184

14184 57303 39961 05212 48502 17264 42970 18441 37713 11327

11042 65182 84842 45106 26989 96581 12823 32143 40205 96328

77307 61010 82367 98661 42718 40667 04311 25767 89126 87314

90377 86450 16945 55442 57046 95061 10278 05249 59984 45305

62191 38621 55643 10411 95023 70204 51744 16550 98527 34851

43365 47950 90336 86340 92323 16798 80511 01043 37652 36480

58860 54353 71126 01604 76134 40017 64759 62473 79574 08938

50333 97125 65364 03780 96018 38640 24077 60078 01727 29829

35353 06264 60216 32609 29128 55841 08264 61608 19492 09052

36485 30552 17428 43641 56064 95812 89435 72180 24174 07694

39067 71287 41632

8184/7684/6784 kHz, 01-12/03-12, 1600/1620/1640 UTC

08634 00274 88834 11223 43960 81792 56687 66793 46295 85260

21108 46041 53984 15598 76916 26208 51726 10259 39274 16689

89888 86886 69026 90114 79888 45896 81776 57397 90899 55178

32653 41408 36021 19539 98814 98726 86520 37497 18119 13482

89165 08970 53365 61877 01388 26116 18255 48696 34789 12257

91075 79037 37394 24479 04621 71777 48263 81727 40417 73044

83394 88312 29711 73006 15843 66795 22228 49366 73238 28866

00588 86167 56504 96725 69300 10058 41685 47670 98651 74380

70751 27866 52087 38150 08518 30976 70961 10991 16212 64696

79259 65597 40523 36013 75543 64501 28765 35146 97041 53608

79508 18155 65729 46591 97164 64281 70951 65592 20825 90149

47624 50610 94257 06483 38918 75967 11589 55142 34999 52943

89187 65111 60000 23842 75066 76666 86313 72833 64631 88126

33332 53937 98923 05167 05484 03423 07667 90356 56007 83706

80715 50926 31857 45731 65977 09140 38178 97369 64203 70817

18211 35796 09778 17981 20786 58886 22802 09719 29204 95575

02521 12112 64375 77775 71381 65518 82810 78733 40816 67013

88810 53974 92482 37056 45416 80444 89252 46077 85225 53292

50507 66918 70040 57426 46299 35466 65782 93156 81670 83657

00428 50798 32220 55968 68587 15369 14162 21773 81009 21964

12015 03699 92368 41042 84823 94794 73823 27190 27467 44277

52150 64554 04890 52544 49836 68615 20226 36848 12439 60732
18444 68749 39427 35264 30238 23734 32675 38848 31747 28999
51087 91718 61409 20215 22641 92139 59613 24681 63379 03987
86666 69638 66973 16871 66426 65274 80927 60044 69223 19119
59843 67099 14746 67141 00084 66683 08563 44079 79010 66731
73353 48255 86479 68331 59203 72124 40500 85458 59440 60504
30194 26634 73394 43512 28877 83761 10027

11493/13393/13993 kHz, 02-12/07-12/09-12, 0800/0820/0840 UTC

06198 00089 17144 08190 57349 22746 56725 74134 33740 98887
20042 61366 98350 42186 79646 07793 47619 20118 67178 39947
74123 37064 16353 60013 08885 17375 80856 30444 87136 55474
76700 63633 11767 88200 05693 81445 69758 11551 27961 76570
68121 15393 71276 55364 99194 10626 60111 40727 27273 24295
24126 88276 93929 70185 54454 85556 93663 53699 15344 57099
69957 81457 58917 71858 96738 01008 21967 68672 91245 69870
67125 55181 81581 45706 50247 45054 47220 23619 75728 81188
45628 27117 59995 24786 66284 91844 41704 18115 27558 69456
33380 06677

13562/11583/10281 kHz, 02-12, 0910/0930/0950 UTC

02908 00001 00000 41652

11579/10979/10279 kHz, 02-12/03-12/09-12/10-12, 1100/1120/1140 UTC

09599 00108 54175 29973 08352 99630 44296 75115 04461 92034
03228 89804 75221 57844 45771 09746 15644 80075 36262 85240
59811 16612 66237 15116 54584 29675 00676 79743 85554 93237
23751 17385 37635 93001 14694 40526 01274 10694 32371 83386
17618 24910 48565 73672 10286 79918 74027 52615 02737 98927
92993 76266 28847 47617 07170 71203 82540 90892 00195 21164
92572 12999 73726 47285 41605 91754 80288 62359 29418 44224
69583 73927 51556 80577 22899 73931 88569 00712 17333 27054
16522 85768 78969 69696 05334 84325 09026 60370 24164 65266
68203 10214 24757 65493 21302 18457 22704 17390 78116 57468
03021 08988 43727 27873 78838 66520 07945 88786 10607 58948
67311

9389/10289/11589 kHz, 02-12/04-12, 1200/1220/1240 UTC

07520 00136 06840 81295 92771 20446 60608 60232 60458 48324
32263 80508 82825 36308 60658 33826 14551 51143 01158 44378
62696 38148 33260 74690 20625 60007 38303 77103 40165 04253
00266 85077 52800 61285 68404 33626 63625 60643 21104 24495
67216 86540 58272 17687 35533 44306 39380 81058 19995 57711
25673 37405 86855 03266 50063 84495 98356 71323 12931 85456
73267 04673 34349 96004 75034 12266 74305 24163 94468 24231
79242 63587 06834 72860 93868 99734 67005 14673 82367 05350
38930 55371 55282 96055 79838 68125 69309 33440 92664 25055
22122 40690 08315 56273 89182 98121 24232 36262 76382 48275
95100 86225 53070 78256 06079 78087 32581 63962 33153 62516
95694 17410 15373 53876 08885 84431 48366 78366 93893 38936
93189 57954 11845 41289 93338 38816 50044 72274 93759 48001
37282 33388 85632 41247 92439 04091 44741 75797 04712

13919/11519/10719 kHz, 03-12, 0910/0930/0950 UTC

09382 00001 00000 33671

9265/8165/7665 kHz, 04-12, 1100/1120/1140 UTC

09277 00001 00000 35661

13919/11519/10719 kHz, 05-12, 0910/0930/0950 UTC

06799 00001 00000 41267

6984/5884/4784 kHz, 05-12, 1600/1620/1640 UTC

02894 00001 00000 37263

13562/11583/10281 kHz, 07-12/09-12/14-12/16-12, 0910/0930/0950 UTC

00153 00089 07796 06929 67316 88134 27133 36666 97449 06817
11988 70213 50599 34300 69817 73513 44486 77298 90608 48551
90024 67709 24561 43277 67641 38019 56802 72319 332253 9579
15538 33796 12185 24957 06183 06398 71026 65694 37056 30905
84466 87443 92327 86222 36732 04673 82689 62746 55400 02624
57411 85820 89684 42396 959577 7138 42444 79510 71479 16353
73114 23584 07523 65635 86651 60377 92703 79245 91166 35621
02373 11301 78152 29650 59707 48092 15337 82276 39045 45286
37645 19777 67850 00230 25323 60116 72772 66229 22278 77736
25795 65667

6984/5884/4784 kHz, 07-12/13-12, 1600/1620/1640 UTC

00577 00246 01059 70392 30268 49598 80489 71268 07862 36473
80009 86662 02864 30618 47493 33327 35805 17957 29873 02825
37974 77801 05386 82730 23298 49341 69984 62234 41490 94644
43502 88384 50452 66934 52104 72916 12180 96878 44702 98651
32610 61178 35654 26169 12897 97474 95183 65176 31112 00458
11176 41940 66677 62547 08245 31413 05570 63027 12050 10166
84358 31850 30164 51366 96692 45388 25915 48701 81003 42037
39526 33051 07541 82096 31597 45030 10491 21366 16557 42846
95047 50617 37342 23464 84985 13837 48743 88032 54895 39771
55106 83122 08009 49027 35178 03681 27515 34314 94556 43238
85104 15104 92214 95705 05369 46190 16048 96004 25288 35507
74530 89426 31098 52088 71266 03284 63896 43334 23837 39771
71449 49322 04639 88568 69001 95466 41413 64857 45649 19452
36889 97780 60939 43652 85985 00025 86699 03136 19385 05640
19002 32076 18030 00728 21156 30039 30818 88881 20714 69382
29514 92830 86413 55051 14014 61637 08948 03955 29072 40114
21402 14067 30360 54363 91269 42921 20178 91422 33587 64374
18591 19399 34731 66848 42510 30350 71041 38869 67145 75732
45673 42572 70740 13793 49690 50553 08373 42262 98451 96277
64395 93676 27424 22784 70483 39286 29189 44386 46038 99368
25861 83910 87231 79799 50803 50971 02278 88225 83764 16634
45794 11136 03349 41288 12411 39154 76161 04830 78132 94028
26845 04889 91882 36101 70231 15110 21471 64876 04627 50088
80662 52989 26920 57524 90549 40788 28118 72319 44386 48385
77062 77655 47581 69752 29946 08624 23276 39636 13225

9265/8165/7665 kHz, 08-12/11-12/15-12/18-12, 1100/1120/1140 UTC

No transmission at 1100 UTC on Dec 11th

09759 00151 91330 66838 29516 33710 95485 48744 79675 82564
69011 87032 05726 30517 16223 14074 23862 65311 54263 72453
46862 22053 98765 79314 60605 99731 26074 92742 88527 41876
03682 57112 21705 66960 35090 99731 95492 15854 30019 13538
79905 06137 47730 92078 65718 58555 62737 70019 46172 82264
10297 13880 97959 56374 93875 81593 02065 59470 90866 69900
92279 63747 48706 22153 32828 46750 73030 36045 52142 80614
19548 21344 91736 25186 70842 25524 11380 24531 13252 18576
40391 23686 10926 67548 43424 96726 96485 46443 35772 55370
54771 45584 06085 02047 63027 79262 18205 96266 05833 50073
49828 61906 49838 75726 70414 51966 47646 74732 81342 84928
88897 69923 55971 30988 12879 85631 71507 87047 63516 92442
49723 45427 27993 71291 37418 85777 43254 16540 20219 39411
98680 69284 09013 36377 36317 65617 33612 58995 60021 17709
49292 58223 20308 66720 77387 94543 08570 39278 97293 47814
79607 76598 81040 64261

8184/7684/6784 kHz, 08-12, 1600/1620/1640 UTC

04741 00001 00000 35260

10807/12207/13507 kHz, 08-12/13-12, 1200/1220/1240 UTC

00491 00158 16675 50774 53921 18799 21232 60344 78732 55984
91754 47542 82781 25098 81900 43294 01445 42236 49734 50025
28950 02345 08513 58485 26695 51071 98784 08410 70266 52698
58862 53829 06232 63385 07354 98496 43105 28931 16073 09019
98246 33091 28169 43366 56965 41038 50133 43607 35404 73138
19043 59088 45819 49751 06780 17851 84186 20984 55501 47411
57030 52703 13368 22432 97509 20361 74807 53165 77623 44613
47423 32395 82084 68805 89904 29912 31347 63471 74997 98959
86224 28544 19194 78949 22256 17426 92033 99662 52789 41059
47919 89556 05640 97902 47346 76569 75685 23124 72469 41582
42303 29367 15787 66489 62500 79965 36527 53931 92408 26955
40091 14953 49771 16880 22687 31000 35805 11947 35146 46141
53302 11482 86442 00394 42747 52099 39657 18747 57857 05787
80209 61201 53023 65275 58887 94266 46420 98216 77236 33009
35631 14890 51826 15860 36758 09081 42691 61463 02975 82258
13514 18331 30937 12602 54121 40791 18759 56556 80864 89143
05410

9389/10289/11589 kHz, 09-12/11-12, 1200/1220/1240 UTC

Stopped after 20 groups at 1200 UTC on Dec ^{11th}

00489 00148 21223 58622 51064 67521 96418 93188 22693 43645
20931 45642 55487 03360 66270 04525 10194 07648 71612 48845
67871 33986 17646 93128 08074 09007 04013 44898 58603 99184
96779 17696 53041 07263 03450 51120 36602 37546 76389 57913
37346 06235 28437 24792 80820 15822 88768 15538 20453 14831
31759 56596 11945 71866 82960 20090 15178 45502 18620 42019
87950 67163 54643 99721 90153 84891 25421 45316 09679 00182
81711 82647 71081 75216 41325 60972 15617 24096 47909 15300
11328 73095 28116 19791 57507 80350 36596 85762 07131 52727
96191 83651 00132 98334 25602 87558 43766 28346 88502 31119
09560 37210 72862 51411 32066 47000 29160 23620 44016 93152
90771 59601 68592 31401 75532 82868 29185 64410 71375 97818
69227 77136 00317 37598 78870 36702 08926 59813 46343 85335
04021 95484 98848 23380 11653 79642 95990 85736 46520 74706
94337 08956 57812 86380 52211 10041 51689 07151 33719 90172
62736

13919/11519/10719 kHz, 10-12/12-12/17-12/19-12, 0910/0930/0950 UTC

00164 00191 74807 05257 88128 17394 31087 55468 39419 35678
51639 06291 14350 30816 19008 62558 91404 00163 68799 20754
43564 16141 17120 45593 67915 07248 33959 54401 21585 81232
49102 62898 62875 60747 36944 07627 71234 90068 42983 00652
05864 69525 66211 75533 63206 37801 65427 83594 34150 01759
77427 05859 11922 02465 86538 08127 90438 77670 18948 21569
00422 06447 74662 69801 80573 51136 33923 46598 22296 49075
46450 78358 86063 59638 84050 83440 06938 83471 43305 12296
66793 91753 48261 10575 85821 20883 10137 45621 36562 46498
66773 68860 98292 84580 36235 25785 81699 78638 20427 00752
57700 99107 43953 78820 88656 46618 63860 96515 96550 18434
78053 90654 61472 41630 06865 44058 76589 01835 61357 93379
95926 88806 48955 11160 45756 87448 20572 92755 00584 60474
64814 53871 16225 97575 31737 01507 40052 52162 18127 92553
86503 06046 59105 54734 34386 96255 38118 66614 34609 69505
67119 56723 64891 90448 62868 50965 42668 58415 40932 06689
44593 47755 94502 12434 73974 59604 70373 81990 45199 37029
53522 68130 70469 23160 02333 43798 97781 56796 95428 97118
48132 86573 00314 80182 53363 28194 19464 77155 88087 46414
91638 09220 39831 22037

8184/7684/6784 kHz, 10-12, 1600/1620/1640 UTC

08589 00001 00000 40270

11493/13393/13993 kHz, 14-12, 0800/0820/0840 UTC

07382 00001 00000 33667

6984/5884/4784 kHz, 14-12, 1600/1620/1640 UTC

07045 00001 00000 33663

10807/12207/13507 kHz, 15-12/20-12, 1200/1220/1240 UTC

00136 00144 54451 22823 58772 52815 86213 73566 39479 59485
27573 82213 82719 94893 74225 46597 87491 21661 65835 80828
85539 35763 16716 75299 07883 37302 02091 01340 06244 18887
18040 34075 22173 34198 77298 92159 79983 38848 54899 98021
08222 80195 33217 90445 68438 49349 83204 87379 88621 69791
74547 50502 65339 55310 92098 73643 13820 30465 51800 09051
61976 94090 86102 22222 17835 73971 33721 03219 19286 23108
03375 36875 52795 71484 64101 64757 62181 66358 55547 15561
55009 47250 46383 38363 73897 25183 34420 33829 70265 80145
53143 64280 68182 74877 38369 00863 12348 75929 60229 79047
68745 49083 50005 01852 78538 07003 78060 09318 72776 74843
72859 90803 06749 87346 23310 58243 90954 15399 17195 94002
89014 00725 97475 60155 79580 10950 41415 15334 39523 03936
40786 42850 38714 70374 70419 81683 79962 50386 82035 99280
75761 37024 79573 92739 01128 40278 16046

8184/7684/6784 kHz, 15-12/17-12, 1600/1620/1640 UTC

00336 00188 50909 91626 73147 42013 51701 38566 33320 47574
54515 99105 87923 12929 92887 23866 10934 90933 94586 81225
51179 54580 05423 85264 65879 00254 95325 27154 68284 17904
13619 18168 56934 14849 02767 24284 80956 24363 28611 73355
40711 29382 52370 66776 14804 28228 87602 76511 65944 52386
48146 34339 22363 06714 88657 92489 48816 73210 10036 16415
72390 40784 79078 93924 05513 76379 58071 42481 96697 70963
31139 78078 00883 41551 89566 23268 45661 04910 60785 28495
64149 89284 12396 71369 70851 26187 62091 24541 61454 34430
45817 29352 21390 88991 53270 66385 64805 84185 47246 90079
73208 22820 98960 08748 15193 99656 94361 76058 40778 18433
93374 47416 92882 00499 53278 51729 50218 56830 99288 17180
93022 39315 38921 34507 10095 86889 25498 44713 06780 73646
75493 54449 22511 32323 20762 87675 90172 32371 59820 06647
42409 03362 26171 52696 21555 44502 68413 22724 72798 98018
38064 90172 35881 08954 78955 81102 78680 08623 73047 65723
85367 04306 61593 57735 34353 95554 18467 70676 73997 71425
68508 54091 72799 20842 53733 37390 78494 87936 36969 25600
64928 91013 88479 58375 64931 47674 79321 34911 57672 01694
12303

11493/13393/13993 kHz, 16-12, 0800/0820/0840 UTC

08903 00001 00000 37260

11579/10979/10279 kHz, 16-12, 1100/1120/1140 UTC

09197 00001 00000 35272

9389/10289/11589 kHz, 16-12/18-12, 1200/1220/1240 UTC

05928 00088 43083 94548 84304 17345 77930 80094 02094 68421
37176 01441 17993 52854 72816 35841 69988 67617 09745 76220
63375 90122 47725 41178 35649 82201 03675 60640 51699 13667
91508 98260 67274 17915 35157 01013 82358 36152 35021 57958
03117 80690 43903 18472 07547 26517 07747 28461 20286 97735
93126 47458 85239 96379 69828 72856 63356 35210 84032 05419
13732 55332 63568 29008 47616 31416 91578 39239 37561 61850
44162 04963 19662 76341 95508 75776 60546 67533 87259 00857
45676 69838 16978 15242 26264 08293 33851 74537 19332 52543
53101

11579/10979/10279 kHz, 17-12, 1100/1120/1140 UTC

05187 00001 00000 35265

6984/5884/4784 kHz, 19-12, 1600/1620/1640 UTC

09595 00001 00000 36272

11493/13393/13993 kHz, 21-12, 0800/0820/0840 UTC

09354 00001 00000 34666

13562/11583/10281 kHz, 21-12/23-12, 0910/0930/0950 UTC

00467 00133 21504 99624 34548 02013 90893 54148 13590 96066
21891 56681 37328 49734 88238 00168 49782 05416 40840 95489
45426 59619 79775 81773 22265 70196 66956 14298 41076 19068
94756 55363 80361 18625 27288 31651 78088 02293 59328 41763
35945 76589 00042 22686 00022 28083 83241 82039 18985 38857
12173 56595 29312 32838 44644 02711 44445 75079 18593 46070
61389 86458 53895 23016 85739 11878 52476 07881 45514 08497
44206 08438 22333 79888 33467 86565 59738 11513 88330 30005
49541 42702 71501 30265 47540 30591 61328 08867 76162 25774
86429 10384 55121 62458 44258 59795 32943 05884 33969 11501
65786 75705 37783 12498 51090 84468 61569 42975 09500 94730
82950 04552 63557 92489 38567 20871 54367 95163 62135 01540
19604 54710 25538 28290 12170 03869 56012 69651 05801 66744
17647 87429 91256 67963 61395 24126

6984/5884/4784 kHz, 21-12/25-12, 1600/1620/1640 UTC

05787 00196 60345 45286 48578 93507 92820 01292 91565 65541
79453 66062 13441 15427 42454 79734 62116 58066 87554 74272
62213 46016 19403 68818 65957 89399 15869 04811 53244 77632
12908 79862 58654 44105 06623 59492 87769 24080 46074 85776
24128 80862 77926 00981 35115 96720 18229 98884 53792 14574
67848 07580 38837 07623 60182 29009 20551 36908 71423 87392
52866 77350 93247 62840 91907 56921 66663 84163 15853 52479
39447 64551 29781 95708 52833 80673 20515 86841 99412 12889
60302 16461 88373 50116 83996 21388 59555 81810 45530 94662
97790 31622 75046 59428 45871 39866 36568 98960 58816 38400
67736 50642 90915 16822 67385 83230 01977 26383 71164 53805
58998 65389 33143 76260 55106 54140 67165 73134 56356 05417
46814 79216 45473 63744 37580 77636 13314 00277 07987 62772
34118 37114 01951 19322 94413 01803 43688 63953 97824 74593
66637 39730 14178 63111 68012 66199 99316 65775 19365 87523
96438 50899 06950 24938 08662 62975 84884 88561 45169 44208
87749 43134 37152 61285 49422 65416 06313 25543 40537 37526
99694 85509 64349 76648 92090 39260 04531 69247 15752 37865
78943 01198 24861 40051 53122 99234 32313 69575 43940 93239
90704 16838 55984 84266 52840 46192 34535 24209 42765

9265/8165/7665 kHz, 22-12, 1100/1120/1140 UTC

05138 00001 00000 35650

10807/12207/13507 kHz, 22-12/27-12, 1200/1220/1240 UTC

00161 00130 76181 07496 40976 01893 72060 75403 02619 19995
06203 96726 98145 18735 62157 23162 42914 12629 24829 81536
99465 62794 63240 00862 74617 83564 62273 82128 69387 42258
19057 07260 15551 59951 08629 78134 92420 07376 03299 83951
91008 05941 76818 64582 36911 98927 00586 81880 63750 80751
87509 25336 11011 31161 14743 94902 55307 18689 13381 75937
07416 88261 60049 43135 32091 26124 57388 70934 91072 37632
43343 77560 70481 22840 13316 76762 23059 43998 12799 08858
70785 85969 48606 87623 74837 74103 19704 11122 14566 68094
32274 26268 38767 46501 92611 65748 15216 34145 21685 87407
37900 66845 12992 63839 90926 42719 53008 32722 70580 19076
30712 02399 45997 70705 85538 96830 16892 77852 42161 75327
43009 36844 91057 98127 16545 12435 80728 17042 15270 67533
28215 08764 56316

8184/7684/6784 kHz, 22-12, 1600/1620/1640 UTC

08177 00001 00000 35267

11493/13393/13993 kHz, 23-12, 0800/0820/0840 UTC

06063 00001 00000 32664

11579/10979/10279 kHz, 23-12/24-12, 1100/1120/1140 UTC

09618 00168 06810 78107 31221 91507 46822 21435 66367 72230
93544 76511 45780 23398 50314 52775 55443 58672 92128 11409
77273 76871 34455 96389 48961 51589 63782 81173 37973 38665
73869 14325 79275 68652 29741 41281 45052 91900 10372 53340
38938 01451 76649 03353 47506 47973 21874 97415 66715 86459
26123 21642 03475 68132 48568 37681 83156 24039 08937 90856
63230 16802 86345 59241 92348 77225 77419 72561 06127 70455
68736 53207 53880 39965 88033 93125 74709 85031 49290 35101
59343 72522 57628 93485 62750 54950 19593 51488 74890 37623
13640 95151 90887 73404 71081 75295 95173 84231 06790 76805
66524 09376 62349 32863 86422 25959 91730 04709 51378 42806
77967 65244 37912 44043 08249 24517 87708 04141 03991 19671
48132 36395 11756 06477 44343 76437 36075 82501 89903 19942
53397 62928 52484 82376 50934 46001 32839 51392 97755 89983
16439 54251 93959 81850 42086 26471 62040 36553 33847 66380
15194 95857 96106 42894 73115 11441 67184 86979 34292 23332
65205 54602 65362 79440 36568 16576 86475 51644 73766 34258
04624

9389/10289/11589 kHz, 23-12/25-12, 1200/1220/1240 UTC

00243 00086 60815 18093 40671 47567 87807 32588 43633 29537
15380 99353 93864 61908 60696 77108 53217 45588 84119 68793
94972 19708 88600 25192 30283 80360 96488 01911 79983 02172
75857 25535 21355 27824 05989 61795 57739 05304 41340 30961
25000 01917 11036 12621 45646 02691 28280 59542 34179 03875
39689 97797 24323 45100 26402 08013 03815 12727 53526 25012
30078 47170 08347 71145 37594 25027 03431 17150 50314 27132
60051 06284 37413 76254 77895 64606 45941 02088 00949 59623
73177 85979 45501 06477 92511 24321 08132 91071 41325

13919/11519/10719 kHz, 24-12/25-12, 0910/0930/0950 UTC

05994 00140 22977 00396 33445 01710 28112 94592 71168 27578
00111 14411 22756 00050 61963 25359 08883 77123 85141 11197
80933 05736 63639 79937 47450 84480 75286 51335 53972 38588
93990 18518 90899 58864 70275 19757 91931 15175 93003 38531
34211 94615 04084 71955 71657 73548 93029 93204 19120 12818
88096 00332 24184 70311 53378 98205 01433 84827 12037 42009
67159 44099 89970 36103 80765 18540 48347 36206 36747 34653
99371 72577 66444 69493 00652 38454 57674 97966 84093 42205
44888 81469 64293 01315 68197 50256 94398 66960 83430 37344
90277 03273 96856 48839 00903 94799 17873 76589 65358 42111
84271 83536 06469 75607 51191 29763 88422 24939 86890 53518
61377 73194 91767 25896 05191 56580 04265 71339 83433 81624
62121 36274 65244 77673 12501 45761 70968 02491 09816 92426
42714 88238 99358 35437 40843 32760 42976 94324 74229 85267
35415 19071 17035

8184/7684/6784 kHz, 24-12, 1600/1620/1640 UTC

09676 00001 0000 37271

9265/8165/7665 kHz, 25-12, 1100/1120/1140 UTC

06185 00001 00000 34266

11493/13393/13993 kHz, 28-12, 0800/0820/0840 UTC

05824 00001 00000 37257

13562/11583/10281 kHz, 28-12, 0910/0930/0950 UTC
09402 00001 00000 34261

6984/5884/4784 kHz, 28-12, 1600/1620/1640 UTC
02833 00001 00000 36655

9265/8165/7665 kHz, 29-12, 1100/1120/1140 UTC
05107 00001 00000 35255

10807/12207/13507 kHz, 29-12, 1200/1220/1240 UTC
03512 00001 00000 34654

8184/7684/6784 kHz, 29-12, 1600/1620/1640 UTC
02348 00001 00000 36656

11493/13393/13993 kHz, 30-12, 0800/0820/0840 UTC
02397 00001 00000 36263

13562/11583/10281 kHz, 30-12, 0910/0930/0950 UTC
05201 00001 00000 32655

11579/10979/10279 kHz, 30-12, 1100/1120/1140 UTC
09137 00001 00000 35264

9389/10289/11589 kHz, 30-12, 1200/1220/1240 UTC
07143 00001 00000 33263

13919/11519/10719 kHz, 31-12, 0910/0930/0950 UTC
02516 00001 00000 36653

11579/10979/10279 kHz, 31-12, 1100/1120/1140 UTC
05148 00001 00000 35661

8184/7684/6784 kHz, 31-12, 1600/1620/1640 UTC
05082 00001 00000 32266

XPB1

12119 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0600 UTC
13419 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0610 UTC
13918 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0620 UTC
14418 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0630 UTC
14918 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0640 UTC
15918 kHz, 01-12/07-12/08-12/14-12/15-12/21-12/22-12/28-12/29-12, 0650 UTC

14483 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1100 UTC
13983 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1110 UTC
13483 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1130 UTC
12183 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1130 UTC
11583 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1140 UTC
10983 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/28-12, 1150 UTC

8058 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2000 UTC
7558 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2010 UTC
5858 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2020 UTC
5158 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2030 UTC
4858 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2040 UTC
4458 kHz, 01-12/06-12/08-12/13-12/15-12/20-12/22-12/27-12, 2050 UTC

XSL – Japanese Navy a.k.a. Slotmachine

4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8587.5 kHz, 04-12, 0952 UTC, QPSK 1500Bd
4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8587.5 kHz, 11-12, 1103 UTC, QPSK 1500Bd
4153, 4231.5, 4291, 6250, 6417, 6445, 8313, 8587.5 kHz, 30-12, 1340 UTC, QPSK 1500Bd

DIPLOMATIC STATIONS

Egyptian diplomatic stations

6785 kHz, 29-12, 1715 UTC, CODAN
99901: MFA Cairo wkg Egyptian embassy Baghdad

6786.7 kHz, 29-12, 1718 UTC, SITOR-A 170/100
MFA Cairo wkg TVVC: Egyptian embassy Baghdad

UTILITY ROUND-UP

Belarus military

5373 kHz, 03-12, 1303 UTC. Belarus military
Stazh-69 54286 TURIN 1389

<https://priyom.org/media/254282/stab69-5373usb-20201203-1303z-msg-bygwrasp.ogg>

5373 kHz, 10-12, 1334 UTC. Belarus military
Stazh-69 84268 PYeRGAMYeNT 1511

<https://priyom.org/media/254781/stazh-69-5373usb-20201210-1334z-msg-bygwrasp.ogg>

Unid

The mystery station was also on the air in December. It uses long zero's (5 dashes)

8134 kHz, 01-12, 1243 UTC	SALUT LES GARS C EST MOI 1234567890
8134 kHz, 02-12, 0825 UTC	SALUT LES GARS C EST MOI 1234567890
8134 kHz, 02-12, 1510 UTC	Changed during the day to 0055005
8134 kHz, 03-12, 0558 UTC	0055005
8134 kHz, 04-12, 0507 UTC	Changed during the early night to "O"
8134 kHz, 04-12, 1625 UTC	Changed in the afternoon to "S"
8134 kHz, 05-12, 0457 UTC	Back to "O"
8134 kHz, 06-12, 0747 UTC	"O"
Nothing heard after December 6 th .	

PROMRÖ

Unid Bulgarian station with a daily schedule on 4735 kHz at 0700 UTC (summertime) / 0800 UTC (wintertime).

The messages are hand-keyed. Depending on the operator it sends the date as = 0111 = or = 01 11 = and midnight as 2400 or 0000. Sometimes = ABV = but most of the time = ABV. ABV means "I repeat".

4735 kHz, 05-12, 0800 UTC VVV VVV PROMRÖ = 05 12 = 1000 0620 0250 0830 1240 1200 0660 0270 0880 1320 1400 0630 0260 0830 1240 1600 0620 0200 0830 1250 1800 0340 0200 0430 0630 2000 0340 0200 0420 0610 2200 0320 0200 0380 0530 0000 0330 0200 0390 0530 0200 0320 0200 0390 0530 0400 0350 0200 0420 0580 0600 0290 0200 0370 0540 0800 0540 0200 0730 1110 = ABV VVV VVV PROMRÖ = 05 12 = 1000 0620 0250 0830 1240 1200 0660 0270 0880 1320 1400 0630 0260 0830 1240 1600 0620 0200 0830 1250 1800 0340 0200 0430 0630 2000 0340 0200 0420 0610 2200 0320 0200 0380 0530 0000 0330 0200 0390 0530 0200 0320 0200 0390 0530 0400 0350 0200 0420 0580 0600 0290 0200 0370 0540 0800 0540 0200 0730 1110 = AR	4735 kHz, 09-12, 0800 UTC VVVVV PROMRÖ = 09 12 = 1000 0610 0250 0820 1230 1200 0670 0270 0890 1340 1400 0620 0260 0820 1230 1600 0620 0200 0830 1250 2800 0350 0200 0440 0620 2000 0340 0200 0420 0600 2200 0310 0200 0380 0520 0000 0300 0200 0390 0530 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0370 0540 0800 0520 0200 0710 1080 = ABV VVVVV PROMRÖ = 09 12 = 1000 0610 0250 0820 1230 1200 0670 0270 0890 1340 1400 0620 0260 0820 1230 1600 0620 0200 0830 1250 2800 0350 0200 0440 0620 2000 0340 0200 0420 0600 2200 0310 0200 0380 0520 0000 0300 0200 0390 0530 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0370 0540 0800 0520 0200 0710 1080 = AR Error: 2800 hrs for 1800 hrs	4735 kHz, 13-12, 0700 UTC VVV VVV PROMRÖ = 13 12 = 1000 0600 0250 0800 1210 1200 0670 0270 0890 1340 1400 0610 0260 0810 1220 1600 0600 0200 0810 1230 1800 0340 0200 0430 0630 2000 0330 0200 0410 0590 2200 0300 0200 0370 0510 0000 0330 0200 0390 0530 0200 0330 0200 0390 0530 0400 0340 0200 0410 0570 0600 0290 0200 0370 0530 0800 0510 0200 0690 1040 = ABV VVV VVV PROMRÖ = 13 12 = 1000 0600 0250 0800 1210 1200 0670 0270 0890 1340 1400 0610 0260 0810 1220 1600 0600 0200 0810 1230 1800 0340 0200 0430 0630 2000 0330 0200 0410 0590 2200 0300 0200 0370 0510 0000 0330 0200 0390 0530 0200 0330 0200 0390 0530 0400 0340 0200 0410 0570 0600 0290 0200 0370 0530 0800 0510 0200 0690 1040 = AR	4735 kHz, 17-12, 0800 UTC VVV VVV PROMRÖ = 17 12 = 1000 0600 0250 0810 1220 1200 0670 0270 0900 1350 1400 0600 0260 0800 1210 1600 0590 0200 0800 1210 1800 0240 0200 0440 0630 2000 0330 0200 0410 0590 2200 0300 0200 0370 0510 0000 0330 0200 0390 0530 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0380 0540 0800 0500 0200 0680 1020 = ABV VVV VVV PROMRÖ = 17 12 = 1000 0600 0250 0810 1220 1200 0670 0270 0900 1350 1400 0600 0260 0800 1210 1600 0590 0200 0800 1210 1800 0240 0200 0440 0630 2000 0330 0200 0410 0590 2200 0300 0200 0370 0510 0000 0330 0200 0390 0530 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0380 0540 0800 0500 0200 0680 1020 = AR
---	---	---	---

4735 kHz, 18-12, 0803 UTC VVV VVV PROMRÖ = 1812 = 1000 0620 0250 0820 1230 1200 0690 0270 0910 1370 1400 0620 0260 0810 1220 1600 0600 0200 1810 1220 1800 0350 0200 0440 0640 2000 0340 0200 0420 0600 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0380 0540 0800 0500 0200 0670 1010 = (no ABV) VVVV PROMRÖ = 1812= 1000 0620 0250 0820 1230 1200 0690 0270 0910 1370 1400 0620 0260 0810 1220 1600 0600 0200 1810 1220 1800 0350 0200 0440 0640 2000 0340 0200 0420 0600 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0330 0200 0390 0540 0400 0340 0200 0410 0570 0600 0300 0200 0380 0540 0800 0500 0200 0670 1010 = AR No ABV before the repeat.	4735 kHz, 20-12, 0801 UTC VVVVV PROMRÖ = 20 12 = 1000 0590 0250 0780 1220 1200 0660 0270 0890 1360 1400 0600 0260 0800 1210 1600 0580 0200 0790 1210 1800 0350 0200 0440 0650 2000 0330 0200 0420 0610 2200 0300 0200 0360 0510 2400 0330 0200 0390 0540 0200 0330 0200 0390 0500 0400 0340 0200 0400 0570 0600 0300 0200 0370 0530 0800 0490 0200 0660 1000 = ABV = VVVVV PROMRÖ 20 12 = 1000 0590 0250 0780 1220 1200 0660 0270 0890 1360 1400 0600 0260 0800 1210 1600 0580 0200 0790 1210 1800 0350 0200 0440 0650 2000 0330 0200 0420 0610 2200 0300 0200 0360 0510 2400 0330 0200 0390 0540 0200 0330 0200 0390 0500 0400 0340 0200 0400 0570 0600 0300 0200 0370 0530 0800 0490 0200 0660 1000 = AR Sent 4x instead of 2x	4735 kHz, 24-12, 0800 UTC VVVVV PROMRÖ = 2412 = 1000 0620 0260 0820 1230 1200 0680 0280 0900 1360 1400 0630 0270 0820 1220 1600 0590 0200 0800 1200 1800 0360 0200 0460 0660 2000 0360 0200 0440 0620 2200 0310 0200 0370 0510 0000 0340 0200 0400 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = ABV VVVVV PROMRÖ = 2412 = 1000 0620 0260 0820 1230 1200 0680 0280 0900 1360 1400 0630 0270 0820 1220 1600 0590 0200 0800 1200 1800 0360 0200 0460 0660 2000 0360 0200 0440 0620 2200 0310 0200 0370 0510 0000 0340 0200 0400 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = AR	4735 kHz, 26-12, 0800 UTC VVVVV PROMRÖ = 26 12 = 1000 0590 0250 0810 1220 1200 0650 0270 0880 1340 1400 0610 0260 0810 1210 1600 0580 0200 0780 1190 1800 0360 0200 0450 0650 2000 0350 0200 0440 0620 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = ABV = VVVVV PROMRÖ = 26 12 = 1000 0590 0250 0810 1220 1200 0650 0270 0880 1340 1400 0610 0260 0810 1210 1600 0580 0200 0780 1190 1800 0360 0200 0450 0650 2000 0350 0200 0440 0620 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = AR
---	--	---	---

4735 kHz, 27-12, 0801 UTC VVV VVV PROMRÖ = 27 12 = 1000 0590 0250 0810 1220 1200 0650 0270 0880 1340 1400 0610 0260 0810 1210 1600 0570 0200 0780 1180 1800 0360 0200 0450 0660 2000 0350 0200 0440 0630 2200 0310 0200 0370 0510 2400 0330 0200 0400 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = ABV VVV VVV PROMRÖ = 2712 = 1000 0590 0250 0810 1220 1200 0650 0270 0880 1340 1400 0610 0260 0810 1210 1600 0570 0200 0780 1180 1800 0360 0200 0450 0660 2000 0350 0200 0440 0630 2200 0310 0200 0370 0510 2400 0330 0200 0400 0540 0200 0340 0200 0400 0550 0400 0340 0200 0410 0570 0600 0310 0200 0380 0540 0800 0490 0200 0660 1000 = AR	4735 kHz, 28-12, 0800 UTC VVVVV PROMRÖ = 28 12 = 1000 0610 0260 0820 1230 1200 0610 0280 0890 1350 1400 0620 0270 0810 1230 1600 0580 0210 0780 1180 1800 0360 0200 0460 0660 2000 0360 0200 0440 0630 2200 0310 0200 0370 0510 2400 0340 0200 0400 0540 0200 0350 0200 0410 0560 0400 0340 0200 0410 0570 0600 0310 0200 0390 0550 0800 0500 0200 0670 1000 = ABV VVVVV PROMRÖ = 28 12 = 1000 0610 0260 0820 1230 1200 0610 0280 0890 1350 1400 0620 0270 0810 1230 1600 0580 0210 0780 1180 1800 0360 0200 0460 0660 2000 0360 0200 0440 0630 2200 0310 0200 0370 0510 2400 0340 0200 0400 0540 0200 0350 0200 0410 0560 0400 0340 0200 0410 0570 0600 0310 0200 0390 0550 0800 0500 0200 0670 1000 = AR	4735 kHz, 30-12, 0800 UTC VVVVV PROMRÖ = 30 12 = 1000 0600 0250 0820 1230 1200 0650 0270 0880 1340 1400 0620 0260 0810 1220 1600 0570 0200 0780 1180 1800 0360 0200 0460 0660 2000 0360 0200 0440 0630 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0350 0200 0410 0560 0400 0350 0200 0410 0580 0600 0310 0E00 0380 0550 0800 0490 0200 0560 1000 = ABV = VVVVV PROMRÖ = 30 12 = 1000 0600 0250 0820 1230 1200 0650 0270 0880 1340 1400 0620 0260 0810 1220 1600 0570 0200 0780 1180 1800 0360 0200 0460 0660 2000 0360 0200 0440 0630 2200 0310 0200 0370 0510 2400 0330 0200 0390 0540 0200 0350 0200 0410 0560 0400 0350 0200 0410 0580 0600 0310 0E00 0380 0550 0800 0490 0200 0560 1000 = AR	4735 kHz, 31-12, 0800 UTC VVVVV PROMRÖ = 3112 = 1000 0590 0250 0810 1230 1200 0640 0270 0870 1330 1400 0610 0260 0810 1210 1600 0560 0200 0770 1170 1800 0360 0200 0450 0650 2000 0350 0200 0440 0630 2200 0310 0200 0370 0510 2400 0340 0200 0400 0540 0200 0350 0200 0410 0560 0400 0350 0200 0420 0580 0600 0310 0200 0390 0550 0800 0490 0200 0660 1000 = ABV VVVVV PROMRÖ = 3112 = 1000 0590 0250 0810 1230 1200 0640 0270 0870 1330 1400 0610 0260 0810 1210 1600 0560 0200 0770 1170 1800 0360 0200 0450 0650 2000 0350 0200 0440 0630 2200 0310 0200 0370 0510 2400 0340 0200 0400 0540 0200 0350 0200 0410 0560 0400 0350 0200 0420 0580 0600 0310 0200 0390 0550 0800 0490 0200 0660 1000 = AR
--	---	---	---

Clandestine and targeted radio and jammers

Russian-Ukrainian radio war. Mainly anti-Russian

7055 kHz, 17-12, 1141 UTC, LSB
7050 kHz, 21-12, 0956 UTC, LSB
7055 kHz, 21-12, 0956 UTC, LSB
7055 kHz, 28-12, 0956 UTC, LSB

7050 kHz, 28-12, 0957 UTC, LSB
7050 kHz, 30-12, 0717 UTC, LSB
7055 kHz, 31-12, 1109 UTC, LSB

Target: Turkey

11530 kHz, 24-12, 1720 UTC, AM
9525 kHz, 24-12, 1730 UTC, AM
11530 kHz, 30-12, 0750 UTC, AM
11530 kHz, 30-12, 0920 UTC, AM
11480 kHz, 30-12, 0920 UTC, AM
11530 kHz, 30-12, 1100 UTC, AM
11450 kHz, 31-12, 0805 UTC, AM
9525 kHz, 31-12, 1836 UTC, AM

TRT Radio Recep Erdogan jamming Radio Dengé-Wela
Radio Dengé-Welat. Program in Kurdish targeted at Turkey
TRT Radio Recep Erdogan jamming Radio Dengé-Wela
Radio Dengé-Welat. Program in Kurdish targeted at Turkey
Radio Dengé-Welat. Spurious emission
TRT Radio Recep Erdogan. Jamming Radio Dengé-Wela
Radio Dengé-Welat. Program in Kurdish targeted at Turkey
Radio Dengé-Welat. Program in Kurdish targeted at Turkey



Target: Afghanistan and Pakistan

13860 kHz, 17-12, 1520 UTC, AM
7530 kHz, 17-12, 1751 UTC, AM
12110 kHz, 30-12, 0720 UTC, AM
12140 kHz, 30-12, 0730 UTC, AM
17880 kHz, 30-12, 1130 UTC, AM

Radio Ashna (Voice of America). Program in Dari targeted to Afghanistan
Deewa Radio (Voice of America). Program in Pashto targeted to Afghanistan & Pakistan
Mashaal Radio (RFE). Program Pashto targeted to Pakistan
Radio Azadi (Radio Free Afghanistan / RFE). Program in Dari targeted to Afghanistan
Mashaal Radio (RFE). Program Pashto targeted to Pakistan

Target: Iran

7605 kHz, 17-12, 1739 UTC, AM

Radio Rranginkaman (Radio Rainbow)
Program in Persian targeted to Iran.

7580 kHz, 17-12, 1748 UTC, AM
12005 kHz, 30-12, 0746 UTC, AM
17560 kHz, 30-12, 0950 UTC, AM

Radio Farda (RFE). Program in Persian targeted to Iran.
Radio Farda (RFE). Program in Persian targeted to Iran.
Radio Farda (RFE). Program in Persian targeted to Iran



Target: North Korea

7290 kHz, 21-12, 1450 UTC, AM
 7290 kHz, 21-12, 1500 UTC, AM
 9095 kHz, 30-12, 1140 UTC, AM

Furusato no Kaze (Wind from the Homeland). Program in Japanese targeted to North Korea
 Ilbon-Ui Baram (Wind from Japan) . Program in Korean targeted to North Korea
 Echo of Hope. Program in Korean targeted to North Korea

Target: Cuba

7355 kHz, 30-12, 1150 UTC, AM
 7435 kHz, 30-12, 1200 UTC, AM
 11860 kHz, 30-12, 1520 UTC, AM
 11930 kHz, 30-12, 1520 UTC, AM
 13820 kHz, 30-12, 1520 UTC, AM

Radio Marti. Program in Spanish targeted to Cuba
 Radio Marti. Program in Spanish targeted to Cuba
 Radio Marti. Program in Spanish targeted to Cuba
 Radio Marti. Program in Spanish targeted to Cuba
 Radio Marti. Program in Spanish targeted to Cuba



EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-12	1554	Midstream	30 chr EAM R3LW4S WE6NXQMEC2DXRCUEF44Z72M3
01-12	1639	Midstream	59 chr EAM R3XL7S L7G4YMXOTG3H3K5RCEI5RCOI5RC4ECLYQI5NUVIC5CLYEI3F5TE54
01-12	2033	Midstream	30 chr EAM for Pinup-04 R3VCV4 KQPQ6OQPZEPYV2SVRAJWCRU3
01-12	2042	Midstream	30 chr EAM NI26HW NRHTTSN6OSEKEOZMHHYWLQUT
02-12	0110	Gas Tube	36 chr EAM R3JLVE 7XJYUFHAEAADPEHY3HD2W2UF62CN4J
02-12	0123	Gas Tube	42 chr EAM R3JSRP WQMULH32PPKGUKC3NDGC3N2JUW274Y4GH6DK
02-12	0627	Gas Tube	30 chr EAM NIW4BZ RI64VWU2FTYPHP3WWELSH2U6
02-12	0633	Gas Tube	30 chr EAM NIW4BZ RI64VWU2FTYPHP3WWELSH2U6
02-12	0707	Gas Tube	30 chr EAM NIW4BZ RI64VWU2FTYPHP3WWELSH2U6
02-12	1301	Gas Tube	30 chr EAM NIUUEW KKVYRA7GFZ4CNBQWTBUGTEO4
02-12	1617	Gas Tube	30 chr EAM for Broka R3WVT2 VLPLNTE4GZ2Y6WWUPKVWLTG3
02-12	1620	Gas Tube	30 chr EAM for Broka R3WVT2 VLPLNTE4GZ2Y6WWUPKVWLTG3
02-12	1623	Gas Tube	30 chr EAM for Broka R33NU2 L763LMCB2ZDTCXJNUNQPIACY
02-12	1630	Gas Tube	30 chr EAM for Broka R33NU2 L763LMCB2ZDTCXJNUNQPIACY
02-12	1637	Gas Tube	30 chr EAM for Broka R34AOO KDZFVEAN7FO2KODWSLYJCQTT
02-12	1640	Gas Tube	30 chr EAM for Broka R34AOO KDZFVEAN7FO2KODWSLYJCQTT
02-12	1646	Gas Tube	30 chr EAM for Broka R3R2ID NA3RJVEXSJXUWEYC22VMTTMM
02-12	1650	Gas Tube	30 chr EAM for Broka R3R2ID NA3RJVEXSJXUWEYC22VMTTMM
02-12	1656	Gas Tube	30 chr EAM for Broka R3LRKE JBI47TAWCU24O4XBBV3XIH05
02-12	1659	Gas Tube	30 chr EAM for Broka R3LRKE JBI47TAWCU24O4XBBV3XIH05
02-12	1747	Gas Tube	30 chr EAM for David-07 R3SUJO OLYJNC6TY26LTND3BOFPWKEV
02-12	1750	Gas Tube	30 chr EAM for David-07 R3SUJO OLYJNC6TY26LTND3BOFPWKEV
02-12	1817	Gas Tube	30 chr EAM NIL3I4 6RTVICVT23JQZQ4TGAU2SGK
02-12	1821	Gas Tube	30 chr EAM NIL3I4 6RTVICVT23JQZQ4TGAU2SGK
02-12	1836	Gas Tube	30 chr EAM NI43MN PHQRTBBLZUW4IYK3C3H5TJEO
02-12	1920	Gas Tube	30 chr EAM NIF76W 2BUJG4EX2YCGRWQMKLQA4IZ2
02-12	1926	Gas Tube	30 chr EAM NIF76W 2BUJG4EX2YCGRWQMKLQA4IZ2
02-12	2033	Gas Tube	30 chr EAM NIO7A6 I3LJXB7YV6EW3V7US2GEWHKR
02-12	2036	Gas Tube	30 chr EAM NIO7A6 I3LJXB7YV6EW3V7US2GEWHKR
02-12	2103	Gas Tube	30 chr EAM NIB4NL 2W3QXR2ULK7KTMEGR3BRZW2C
02-12	2106	Gas Tube	30 chr EAM NIB4NL 2W3QXR2ULK7KTMEGR3BRZW2C
02-12	2317	Gas Tube	30 chr EAM NIVDBA 726DYQEXSYC6NEMAJ4MRX34J
02-12	2319	Gas Tube	30 chr EAM NIVDBA 726DYQEXSYC6NEMAJ4MRX34J
03-12	0040	Bedsread	41 chr EAM R3PDAX 7FG4BXNME7X35VLSFDP2WNIIWG5LE7P2BFJ
03-12	0045	Bedsread	41 chr EAM R3PDAX 7FG4BXNME7X35VLSFDP2WNIIWG5LE7P2BFJ
03-12	0058	Bedsread	43 chr EAM R3TPFE YDYT4CFPRRH4FNIAZ2JRRQEIROUIACIPESJVT
03-12	0101	Bedsread	43 chr EAM R3TPFE YDYT4CFPRRH4FNIAZ2JRRQEIROUIACIPESJVT
03-12	0206	Bedsread	30 chr EAM R3XU3X 7AHSROASGUABPNH5O3JOBA6J
03-12	0215	Bedsread	30 chr EAM R3XU3X 7AHSROASGUABPNH5O3JOBA6J
03-12	0227	Bedsread	30 chr EAM NIWA3I ZITRUWZCFPKKMNW2HTBPTF3M
03-12	0232	Bedsread	30 chr EAM NIX7PG LV7JXSJWEKSL36CQ2NKLTAQAS
03-12	0235	Bedsread	30 chr EAM NIX7PG LV7JXSJWEKSL36CQ2NKLTAQAS
03-12	0242	Bedsread	30 chr EAM NIWA3I ZITRUWZCFPKKMNW2HTBPTF3M
03-12	0253	Bedsread	30 chr EAM R3WD73 H4TON56LHLSCP7GVJ356QU3P
03-12	0257	Bedsread	30 chr EAM R3WD73 H4TON56LHLSCP7GVJ356QU3P
03-12	0300	Bedsread	30 chr EAM NIUI6A EQKHV4L3O5GU5FOD5TWZ4VLK
03-12	0304	Bedsread	30 chr EAM NIUI6A EQKHV4L3O5GU5FOD5TWZ4VLK

03-12	0307	Bedsread	30 chr EAM R3WD73 H4TON56LHLSCP7GVJ356QU3P
03-12	0311	Bedsread	30 chr EAM NIZJH2 HT2UIOIS5OWV7XSCT6Q7LS46
03-12	0315	Bedsread	30 chr EAM NIZJH2 HT2UIOIS5OWV7XSCT6Q7LS46
03-12	0648	Bedsread	30 chr EAM NIPKYU JWQOI3TCXNBLU64CQN4VOXIB
03-12	0657	Bedsread	30 chr EAM NI2YLT P7MFY6LPDNJF6YJQS3RV7HPN
03-12	0700	Bedsread	30 chr EAM NI2YLT P7MFY6LPDNJF6YJQS3RV7HPN
03-12	0702	Bedsread	30 chr EAM NIPKYU JWQOI3TCXNBLU64CQN4VOXIB
03-12	0705	Bedsread	30 chr EAM NIIPP4 B2QEW7U66CYTWCOWLMNLJ2D3
03-12	1246	Bedsread	30 chr EAM for Little Leak R3TW4Z UKAFV6FJO7IDA6ARBZBDIAW2
03-12	1306	Bedsread	30 chr EAM for Little Leak R3PTPF EZOCXT2G6QERNYTH7VLACRNQ
03-12	1322	Bedsread	30 chr EAM for Little Leak R3Z6XS VK546HI6RMMMFTYO35TZC4RB
03-12	1232	Bedsread	30 chr EAM for Little Leak R3R3P7 Q5AGRZP2PCKYUKAXWFUJLDI2
03-12	1652	Bedsread	30 chr EAM R3R6QR T6KYPN7OVJSZXM2K2CEFXESH
03-12	1701	Bedsread	30 chr EAM NIQAL6 SRWWIZJJQSGTD74CTNUDSRVA
03-12	1801	Bedsread	30 chr EAM for Nama? R3EPDB MAVRTXBAHCT5PC4NPABV4TMG
03-12	2103	Bedsread	30 chr EAM for Nama? R3UK55 J3Y52NIALAOQ3446YPYSNXBV
03-12	2117	Bedsread	30 chr EAM NISJSL CQVF3NWBDKU4EYPI7GDCN7I4
03-12	2132	Bedsread	30 chr EAM NI5NY3 VLUJJPV4LXCIYHIFBRNPJQCO
04-12	0159	Woodland	36 chr EAM R3TXXC SNRXGKEEBINIWSCSOJLT5R7ZOBVN7J
04-12	0202	Woodland	41 chr EAM R3YWCP AIXGGO5O6D7NPARNJVVDIBCGDHSMXOHBV2Q
04-12	0232	Woodland	30 chr EAM NIMRYD W7767K3Q4UFXPW4RMVFO37Z
04-12	0247	Woodland	30 chr EAM R3IBLB 75GZJO3VWRP45LIQCOOHV3JR
04-12	0257	Woodland	30 chr EAM NIZPKJ 3ZDUZJNPZBAQLGGYOT6MOT4W
04-12	0601	Woodland	120 chr EAM TIVBDU IENT2KPXQQIK5CHURHIPMXWJZZ6R4XRKYBKKKKXO4OLVZEAHNZRNTPN2222 AVIRTDDELHYQUTCCRXP5FYM3KTWVGK2Q4HHL4IIIIJGDGAI22S
04-12	0612	Woodland	120 chr EAM TIVBDU IENT2KPXQQIK5CHURHIPMXWJZZ6R4XRKYBKKKKXO4OLVZEAHNZRNTPN222 2AVIRTDDELHYQUTCCRXP5FYM3KTWVGK2Q4HHL4IIIIJGDGAI22S
04-12	0629	Woodland	120 chr EAM TIVBDU IENT2KPXQQIK5CHURHIPMXWJZZ6R4XRKYBKKKKXO4OLVZEAHNZRNTPN2222 AVIRTDDELHYQUTCCRXP5FYM3KTWVGK2Q4HHL4IIIIJGDGAI22S
04-12	0659	Woodland	120 chr EAM TIVBDU IENT2KPXQQIK5CHURHIPMXWJZZ6R4XRKYBKKKKXO4OLVZEAHNZRNTPN2222 AVIRTDDELHYQUTCCRXP5FYM3KTWVGK2Q4HHL4IIIIJGDGAI22S
04-12	0712	Woodland	30 chr EAM NIN3MP HJKW2WVVO726SC2HTHNU5WRJ
04-12	0729	Woodland	120 chr EAM TIVBDU IENT2KPXQQIK5CHURHIPMXWJZZ6R4XRKYBKKKKXO4OLVZEAHNZRNTPN2222 AVIRTDDELHYQUTCCRXP5FYM3KTWVGK2Q4HHL4IIIIJGDGAI22S
04-12	1617	Woodland	30 chr EAM for Upper Crust R3A2XR UTF6ZN5CJDGFFVIV3CWSMWN
04-12	1632	Woodland	30 chr EAM for Upper Crust R3EUDJ SNX3JL5XXJAXVWTU6RNB7J
04-12	1702	Woodland	30 chr EAM for Upper Crust R3Q6QQ MXZ65VB3P7RSYOMR2JJ37IGR
04-12	1722	Woodland	30 chr EAM for Upper Crust R3X6TY GAL77DC7NB5RIUZ3JPIWUKX6
04-12	1732	Woodland	30 chr EAM NIKYZD 7ZAYGPN7SZKSHV4BLFK2SAFO
04-12	1751	Woodland	30 chr EAM for Rust-19 R36FP7 A7W5NSKSJJC4YSWV7GGP577Q
04-12	1817	Woodland	30 chr EAM NIYZWI N43BBJXXOLSYPYWRYSQAQZHP
04-12	2033	Woodland	30 chr EAM NIRKXW BYQPMDS6CYOW3NEZ5X2CVEZK
04-12	2133	Woodland	30 chr EAM NIBZLZ PPY6XP6D6NH3DG7EA57X54GP
05-12	1703	Madeline	30 chr EAM for Bold R3RUR7 ZFLJHRIKR6QY2ARMHJB3TZFI
05-12	1803	Madeline	30 chr EAM for Absolution R3L7QR 34YJBUDOMCWL45TXQRNRJUQV
05-12	1903	Madeline	30 chr EAM for Bold R3C7RP VEMFNAPWCD6AZNDEMHNPPCLB
05-12	2132	Madeline	30 chr EAM NIVO2R SBBYUYP6YUJF5S5TYFKTLPHE
05-12	2145	Madeline	30 chr EAM NIXKS6 DK47HQFPPHJJODCIDM7PKTGU
05-12	2154	Madeline	30 chr EAM NIJPF6 IOJUUXJATS7WLTEWPAQFOAX3
05-12	2200	Madeline	30 chr EAM NIJPF6 IOJUUXJATS7WLTEWPAQFOAX3
05-12	2203	Madeline	30 chr EAM NIJPF6 IOJUUXJATS7WLTEWPAQFOAX3
05-12	2206	Madeline	30 chr EAM NIV5TJ 45NF3N433QOTAS7L6MOXCT7F
05-12	2208	Madeline	30 chr EAM NIXKS6 DK47HQFPPHJJODCIDM7PKTGU
05-12	2211	Madeline	30 chr EAM NI3EPD YFKFGNL67ZS6S3XKHS6GOUT7
05-12	2214	Madeline	30 chr EAM NI3EPD YFKFGNL67ZS6S3XKHS6GOUT7
05-12	2230	Madeline	30 chr EAM NI3EPD YFKFGNL67ZS6S3XKHS6GOUT7
05-12	2232	Madeline	30 chr EAM NIV5TJ 45NF3N433QOTAS7L6MOXCT7F
05-12	2234	Madeline	30 chr EAM NIJPF6 IOJUUXJATS7WLTEWPAQFOAX3
05-12	2315	Madeline	30 chr EAM NILP5A C4I2KG3XLZZNJF5A2CYXIKGP
06-12	2133	Trocadero	30 chr EAM NIWGOP FBABHZQDAJD7IPQSV4IBPMXJ
06-12	2242	Trocadero	30 chr EAM NID4JU ZPFN3ZB4U6ARUHFXVYOC2DJP
06-12	2252	Trocadero	30 chr EAM NIRMHG DNKXWBB6GEQ27DEYHOXBS4Z
06-12	2302	Trocadero	30 chr EAM NID4JU Z5FN3ZB4U6ARUHFXVYOC2DJP
06-12	2317	Trocadero	30 chr EAM NIGUHD V4EO3JHM6ZCSQPWQQFDGT3YN
06-12	2331	Trocadero	30 chr EAM NIDSD2 CHSEZA2VBX6UELZSQPUORIH
06-12	2333	Trocadero	30 chr EAM NID4JU Z5FN3ZB4U6ARUHFXVYOC2DJP
06-12	2353	Trocadero	30 chr EAM NIPHS3 KIULXZPTABJEPMX4QCZNOA7M
06-12	2355	Trocadero	30 chr EAM NIB7BU DUFOPOKIA5CO3BRNGBTWYIHC
07-12	0000	Rhetoric	30 chr EAM NIB7BU DUFOPOKIA5CO3BRNGBTWYIHC

07-12	0004	Rhetoric	30 chr EAM NI65SR NS3655DIAUZACQMZU4UHGKFC
07-12	0007	Rhetoric	30 chr EAM NIB7BU DUFOPOKIA5CO3BRNGBTWYHC
07-12	0009	Rhetoric	30 chr EAM NIPHS3 KIULXZPTABJEPMX4QCZNOA7M
07-12	0011	Rhetoric	30 chr EAM NIB7BU DUFOPOKIA5CO3BRNGBTWYHC
07-12	0014	Rhetoric	30 chr EAM NIPHS3 KIULXZPTABJEPMX4QCZNOA7M
07-12	0016	Rhetoric	30 chr EAM NIDSD2 CHSEZA2VBX6UELAZSQPUORIH
07-12	0233	Rhetoric	30 chr EAM NIP3WS TFFW6SRRJAIVZ4MYMTBQDRIW
07-12	1446	Rhetoric	30 chr EAM for Sham R35JBL NMHIIICR4DY4AGXXNELR36EQZ
07-12	1456	Rhetoric	30 chr EAM for Sham R3OJW7 F7QEGCIPDIXWAY523TGNZRO7
07-12	1629	Rhetoric	30 chr EAM NIJDK2 XXIXTR24KWGRZP6SLZSJY5OP
07-12	1635	Rhetoric	30 chr EAM for Sham R3LBW5 T557A4P2F3SQR4Z6UBNXHZT
07-12	1645	Rhetoric	30 chr EAM for Sham R3X7NJ NAMRXTEFD7XUIY242OWMDUX
07-12	1655	Rhetoric	30 chr EAM NIT5BM PLIGIGCIGRISTF4QD5YH7GRU
07-12	1707	Rhetoric	30 chr EAM NI7NKY 2N7TV23UNVGGPPACX7JSPKXC4
07-12	1732	Rhetoric	30 chr EAM NI76ZE WABDBMGX7KDYTCB56XNVQSO2
07-12	1746	Rhetoric	30 chr EAM NI2PRC 4ZZFWMSCTKNPK3YZGSAVWCT
07-12	1759	Rhetoric	30 chr EAM NIQJKE ZPF5E5IDD5JNIF7NTPWRCJ
07-12	2317	Rhetoric	30 chr EAM NIFYNZ WIOVILT77DQBNISJMEWJAXUC
08-12	0024	Tom Thumb	30 chr EAM R3NWWU GWFN2ZMSP5TCQIE3YEAQYV5Y
08-12	0034	Tom Thumb	30 chr EAM NIJNK5 4BCJOWY7BWYDYK6VSAPRUZDK
08-12	0103	Tom Thumb	30 chr EAM NIYEGJ DIEBED4FQ4C6J5YP7ASYIE6F
08-12	0302	Tom Thumb	30 chr EAM NIQPZG MAGYPC7RAQNEU5ONJOIATMDK
08-12	0310	Tom Thumb	30 chr EAM NIQPZG MAGYPC7RAQNEU5ONJOIATMDK
08-12	1545	Tom Thumb	30 chr EAM NIUE6D APOAD6VPPXOOWB2HVIRX5NHU
08-12	1557	Tom Thumb	30 chr EAM NI4PNP 726N4ZKRIOEPDYGMULNRHPJ
08-12	1602	Tom Thumb	36 chr EAM R3NOGC KPIW4UTM3JTXDJEXLHVT2GXNLHKC6G
08-12	1605	Tom Thumb	30 chr EAM NI5KTJ SUGW36LFOE7JNERRBCQW5BZN
08-12	1608	Tom Thumb	30 chr EAM NI5KTJ SUGW36LFOE7JNERRBCQW5BZN
08-12	1611	Tom Thumb	30 chr EAM NIUFVJ RLR23V7KYZIGIWHTPQIW7SJU
08-12	1613	Tom Thumb	30 chr EAM R3JT5R EXI3I4KPWE2XI2FO6N5SAWNU
08-12	1632	Tom Thumb	30 chr EAM NID7R5 DAF2XTNFIHBL4PMNMFY7Q2UA
08-12	1634	Tom Thumb	30 chr EAM NIOQRC 5D45NKH4KHDOAK55AKYSPV5Q
08-12	1645	Tom Thumb	30 chr EAM R3ECTW BRVJ7XRJ5IPKM4MAYCUZNA5O
08-12	1655	Tom Thumb	30 chr EAM NIBIXE RHJ2X2LJ32KQT7FY45RCNYU3
08-12	1842	Tom Thumb	30 chr EAM for Odor-36 R3V72O NJRPZTQAPT4UWLXGEX2PIU3
08-12	1917	Tom Thumb	30 chr EAM NIN2CV 67B2P2N6NP3DRKRNT7NT3JRF
08-12	2150	Tom Thumb	30 chr EAM NIXBZD HWA7GNIEPJRVNVAJSDY7JGUZ
08-12	2200	Tom Thumb	30 chr EAM NI62YY CQNNDERZBWTXVF42XAWERBF
08-12	2204	Tom Thumb	30 chr EAM NIXBZD HWA7GNIEPJRVNVAJSDY7JGUZ
08-12	2315	Tom Thumb	30 chr EAM R3MIYX PEOO3LLJMBMIO67ZCTLREYZM
08-12	2325	Tom Thumb	30 chr EAM NIRGVE V44J2CRODLXFVJL46DBWO6DU
08-12	2341	Tom Thumb	30 chr EAM NIGBDS BJLTACPYMVI6LZ72T2DDZXJS
09-12	0006	Seatrain	30 chr EAM NIIEPW 4XDKYG77U422APOBNAKR5QLC
09-12	0033	Seatrain	30 chr EAM for Stacy-50 R3LH5G VRB5CPIML2J2TXXSY2DCOGT7L
09-12	0553	Seatrain	30 chr EAM NIINXK YNKL7SRJ6ZFAKLFDXD6UFBCO
09-12	0600	Seatrain	30 chr EAM NIINXK YNKL7SRJ6ZFAKLFDXD6UFBCO
09-12	0629	Seatrain	30 chr EAM NIINXK YNKL7SRJ6ZFAKLFDXD6UFBCO
09-12	0650	Seatrain	30 chr EAM NISVN4 JBVQZ2F2CHFGJK4OQ5M3K2UV
09-12	0659	Seatrain	30 chr EAM NI5RYG B2FFQU3MJ33YID6CSB4BVXZY
09-12	0702	Seatrain	30 chr EAM NI5RYG B2FFQU3MJ33YID6CSB4BVXZY
09-12	0704	Seatrain	30 chr EAM NISVN4 JBVQZ2F2CHFGJK4OQ5M3K2UV
09-12	0707	Seatrain	30 chr EAM NIINXK YNKL7SRJ6ZFAKLFDXD6UFBCO
09-12	1746	Seatrain	30 chr EAM for Drilly-49 R3RJVK 622OOXYK4VPRU477IRGH6J2Q
09-12	1750	Seatrain	30 chr EAM for Drilly-49 R3RJVK 622OOXYK4VPRU477IRGH6J2Q
09-12	1817	Seatrain	30 chr EAM NIJ5OE 1NF2GZPNL77O5ITJM3DCHIO
09-12	2039	Seatrain	30 chr EAM for Abram? R3VAYY 3IQESW5C2BUPL3DAIMZ4OXXB
09-12	2057	Seatrain	30 chr EAM for Abram? R3QU2T JYIUAUUCRRD3SLBC77NNCPASD
09-12	2116	Seatrain	30 chr EAM NIKZ4X QIXLDRLSNURFWTGLAR7RXVJ3
10-12	1005	Abduction	30 chr EAM for Fish Story ZPDXQS QZK652WJO232HVO2YXQYPXLZ
10-12	1018	Abduction	30 chr EAM for Fish Story ZPKKKN 76T5VWWBGFJQ7NRMP2OUZLYQ
10-12	1131	Abduction	30 chr EAM for Fish Story ZP3Q6I 2ZY7FQN6NQOE6CU2C4X6AGDU
10-12	1244	Abduction	30 chr EAM for Fish Story ZPCIWP KFYE7WC3S6FMA3GW25L7MHTM
10-12	1404	Abduction	92 chr EAM TISY3X FNDBTXHZPBGA2EYO4ERGQATARFBTIBRBXJ6VVVVU2KDCAJ7OBLE3SHPADU72 XFUBXR2RDVPBBBBVPIEDE6GJ
10-12	1546	Abduction	30 chr EAM ZPVWN6 LGPAKOF04YWB2ETBPLGP7YB5
10-12	1635	Abduction	59 chr EAM ZPJ2ER HBTX5LFSYDRZ6BSZWQSSZWXLQE47KHPHWHCRCQE4YKLJ5KEHY
10-12	1727	Abduction	30 chr EAM ZPARML FSGV3O5XG2DOGIKPETN7LW6C
10-12	1730	Abduction	59 chr EAM ZPJ2ER HBTX5LFSYDRZ6BSZWQSSZWXLQE47KHPHWHCRCQE4YKLJ5KEHY
10-12	1753	Abduction	54 chr EAM ZP5H6V LLNYT6F2USJTE72VQ26AKA6JGAVYPR4FFKEPGFVBP7S44EQA

10-12	1756	Abduction	59 chr EAM ZPJ2ER HBTX5LFSYDRZ6BSZWOSSZWQSSZWXLQE47KHPHWHCRQE4YKLJ5KEHY
10-12	1815	Abduction	30 chr EAM for Scar? ZPANNY RX3L63DI75E6KVYQGWBDBMM
10-12	1838	Abduction	30 chr EAM for Add Up? ZPL36Q MWDABWPISG3YYP3CYMALVGWZ
10-12	2034	Abduction	30 chr EAM NIAFVY ANAEYMIEEGZHSECNEHOWC74
10-12	2104	Abduction	30 chr EAM for Suppertime ZPYWHK 2EXF67VUY38KBNAQMTXBBD20
10-12	2306	Abduction	30 chr EAM for Add Up? ZPSUEY UVP2UREHEKA4V3BVI63G5I4
10-12	2341	Abduction	30 chr EAM for Add Up? ZP5BS2 FZQCEQXNINC47LVFW432KVK6
11-12	0108	New Moon	66 chr EAM ZPGCXL 6OOK2SKGZR7V7ZXQCLFEAJQ7ZCP5SD6GCUJCZCPASNJ7GX2CDYC5SNLP25B4
11-12	0144	New Moon	30 chr EAM NI2JBB 7MTGEBKSIKGTIJ6MW7F7QSAJ
11-12	1533	New Moon	30 chr EAM for Shackelford ZPYNVU RCT4EQGTGZWYEEYCAEWRIITN
11-12	1633	New Moon	30 chr EAM for Shackelford ZPACWX VJYOUZGPQWNCTCQKWHHBU6LU
11-12	1647	New Moon	30 chr EAM for Elgar? ZPPRAT GC5UUAQRKES7HSJIVN7VQM7D
11-12	1719	New Moon	30 chr EAM NIIF6S NLX7HPTHTYNRUBFNJ3F34IBS
11-12	1818	New Moon	37 chr EAM ZPY2ZH HQUY273K2AQ5O4RPLJZICI6YXLQNQGU
11-12	1822	New Moon	30 chr EAM for Shackelford, for Cruet? ZPIOFB CNDFH6YFPMPRGOHF2KEU5OBZ
11-12	1834	New Moon	30 chr EAM for Cruet? ZPBCDG PQP4RAM3XTYH4754QQSR7V52
11-12	1933	New Moon	30 chr EAM for Shackelford, ZPYJUN ZZMPZPNPWWFWMGOKFVAQPN6QC
11-12	2044	New Moon	37 chr EAM ZPAJZS QWKALUYXKDALF3UAFHCP4BLHSBY2DCK
11-12	2117	New Moon	30 chr EAM NIES2S SP6KKJV63LFZWFRSG7XH2PAG
11-12	2133	New Moon	30 chr EAM NISGHL BELA2HV3TK7U7VCO3WL3WDJI
12-12	0147	Estimate	30 chr EAM ZPAOZ6 6YS7AZ4W52NLJFNQ5HAQWEQV
12-12	0159	Estimate	36 chr EAM ZPZDEL AP3K6QOOVDG2RAUZAGACSWXUDAEFVH
12-12	0212	Estimate	37 chr EAM ZPZ5TD RT4PJUH5OHRMRLOSP4D267HILYAM7DC
12-12	0232	Estimate	30 chr EAM NIS5RC WPFK6KRB64DTLZYL7IZP7NQ
12-12	0259	Estimate	30 chr EAM NIGWPL 2JZ2C2722VBYRIGM65UMQGKO
12-12	0308	Estimate	30 chr EAM NIWKUP 5C5JKJLYRWGR4FZRN6ATI6XJ
12-12	1557	Estimate	30 chr EAM NI75AI IOCJIRFHVR73KTNP332AIXH5
12-12	1600	Estimate	30 chr EAM NI75AI IOCJIRFHVR73KTNP332AIXH5
12-12	2040	Estimate	30 chr EAM NIL5ZX ZVBWWEEUOLZF6XTUBXFSN2PG
12-12	2043	Estimate	30 chr EAM NIZHDJ KI7S3XFCUISTTPCKB5AEKW3H
12-12	2047	Estimate	30 chr EAM NIA7QK EZPC37P3J2DS6L7W6XWTD2A
12-12	2101	Estimate	30 chr EAM NIWCQV HLQIY6DQYFJCUVWXJ5HO2Y4C
12-12	2103	Estimate	30 chr EAM NIA7QK EZPC37P3J2DS6L7W6XWTD2A
12-12	2106	Estimate	30 chr EAM NIZHDJ KI7S3XFCUISTTPCKB5AEKW3H
12-12	2109	Estimate	30 chr EAM NIL5ZX ZVBWWEEUOLZF6XTUBXFSN2PG
12-12	2119	Estimate	30 chr EAM NIQSSB 2LHTYQE4FUDBVMUZYNYDTZLQN
12-12	2130	Estimate	30 chr EAM NIQSSB 2LHTYQE4FUDBVMUZYNYDTZLQN
12-12	2134	Estimate	30 chr EAM NIA7QK EZPC37P3J2DS6L7W6XWTD2A
12-12	2137	Estimate	30 chr EAM NIZHDJ KI7S3XFCUISTTPCKB5AEKW3H
12-12	2140	Estimate	30 chr EAM NIL5ZX ZVBWWEEUOLZF6XTUBXFSN2PG
12-12	2142	Estimate	30 chr EAM NIS662 BPD43AUGIJJZEQOVCAIYZXS
13-12	0532	Creation	30 chr EAM NIVBMJ 6YJY5F4GSAMWXRTMTDKP3IVF
13-12	0536	Creation	30 chr EAM NIVBMJ 6YJY5F4GSAMWXRTMTDKP3IVF
13-12	0539	Creation	30 chr EAM NIP7CC YRTJYFZMHPDZH7JNRDSDTP
13-12	0543	Creation	30 chr EAM NI6ALR IBEC2SENOAQTZBHVEXJBHG37
13-12	0558	Creation	30 chr EAM NIHVU4 KQJSNOQOX3XENM42M7GPS57R
13-12	0601	Creation	30 chr EAM NIMSUI LEGB4UEQJTDJTKUYEBFZPOWU
13-12	0607	Creation	30 chr EAM NIHVU4 KQJSNOQOX3XENM42M7GPS57R
13-12	0609	Creation	30 chr EAM NI6ALR IBEC2SENOAQTZBHVEXJBHG37
13-12	0622	Creation	30 chr EAM G7IDSO DT2P5PJEV4DAIPMDEIV5S7PH
13-12	0626	Creation	30 chr EAM G7IDSO DT2P5PJEV4DAIPMDEIV5S7PH
13-12	1502	Creation	30 chr EAM for Tile-75 ZP3XHL GDUQC7LYHSZED2YOTQNKGNZ
13-12	1533	Creation	30 chr EAM G7QMNA TDN6UBVIIT6IS2Z5ENNE35FL
13-12	1553	Creation	30 chr EAM G7DL4M BXDWAKSTDKSTG5BFOE4J5Z4S
13-12	1556	Creation	30 chr EAM G7DUY6 BZMXJ6ZX27BA26KRLJZPX07H
13-12	1600	Creation	30 chr EAM G7DUY6 BZMXJ6ZX27BA26KRLJZPX07H
13-12	1602	Creation	30 chr EAM G7DL4M BXDWAKSTDKSTG5BFOE4J5Z4S
13-12	1605	Creation	30 chr EAM G7KC2V 7QS4UANAZZPU5MYXO4YA4V6J
13-12	1608	Creation	30 chr EAM G7ZM5Q LRJVIJDBOXDFTU2ED4BO2E6
13-12	1632	Creation	30 chr EAM G7ZT7O QPXTNFDEKAKAT5CTS6RA5F
13-12	1746	Creation	30 chr EAM G7PS7N 7IBIPX3NPQ27V6CRJ6GFYMSJ
13-12	2056	Creation	59 chr EAM ZPIU7X YBZ7GHZ4BNQFVBF3CGWF3CCWO3Y7FVVOE032BU45YBVOEY3M22VVLS
13-12	2130	Creation	59 chr EAM ZPIU7X YBZ7GHZ4BNQFVBF3CGWF3CCWO3Y7FVVOE032BU45YBVOEY3M22VVLS
13-12	2142	Creation	30 chr EAM G7RGHP JQ7PUYVJDZG66EGCUJNV3SCO
13-12	2147	Creation	30 chr EAM G7WVAE O4CR4L24C6TRL42LO2RTQSUW
13-12	2151	Creation	30 chr EAM G7GXD7 626WG2TO6TH4UXPDUAJX3GYI
13-12	2200	Creation	59 chr EAM ZPIU7X YBZ7GHZ4BNQFVBF3CGWF3CCWO3Y7FVVOE032BU45YBVOEY3M22VVLS
13-12	2209	Creation	30 chr EAM G76Z6Y OENVQQKAGO6LKFPI4BZKRC4
13-12	2214	Creation	30 chr EAM G7YZAH CWLWRMXPMWDI3ZKI4CUHDOP5

13-12	2302	Creation	30 chr EAM G7UV36 REJNC62ATW2FV6AWQRNVOI6H
14-12	0546	Black Eye	30 chr EAM G7BEQ2 DLWBShW634IS7IVOQ6UHW7IV
14-12	0559	Black Eye	30 chr EAM G7BEQ2 DLWBShW634IS7IVOQ6UHW7IV
14-12	0639	Black Eye	30 chr EAM G7W7HO OIKD4MXTKH5QX6QZKE74Q37U
14-12	1626	Black Eye	30 chr EAM G7XFTK LZ37I3T3C3SOYAV32ONYA7T4
14-12	1646	Black Eye	30 chr EAM G7VCYH HXXLV4KRPNGI5G4FPD67EARI
14-12	1710	Black Eye	30 chr EAM G7IGDN ORCOZBUOSBRZI5FJA4XD6KRL
14-12	1732	Black Eye	30 chr EAM G7STRZ NQLQJNK4CEVY4KKOYJGQ6HZ
14-12	2103	Black Eye	30 chr EAM G7I6YB I5AR2UURAYTCH6VXQ3FTQKG6
14-12	2112	Black Eye	37 chr EAM ZPDTZF PUVTPIBS6Z7V5NQPQWEWLXOJMEUTR2L
15-12	0022	Dark Moon	41 chr EAM ZP543J CNTTYNAOEAYGSSG4IELT7QSRZX6KJKRZ3VM
15-12	0029	Dark Moon	30 chr EAM for Region Charlie ZP73SK CDJXTVYFOI734VPIWA3OJLBV
15-12	0043	Dark Moon	30 chr EAM G7K6JP CVIV6TKAFYRY4BVRONEJ7G6Q
15-12	0049	Dark Moon	30 chr EAM G7KLDQ WPMCD4YSZRB3BLWQ5BGM6Z3Q
15-12	0102	Dark Moon	30 chr EAM G7Z6JT 45RAW6W4FYIDNAKXFFJWB3FG
15-12	0120	Dark Moon	30 chr EAM ZPFLU U7AA34QVHP7STZFJQX5QDQX3
15-12	0123	Dark Moon	30 chr EAM G7TZF7 AVGQKXJFRD3BUDL2ZTQNEOXJ
15-12	0136	Dark Moon	30 chr EAM G7UXHC UYHNQDAG7KP6FQU4MASTOJ7
15-12	0539	Dark Moon	120 chr EAM TIKADE UCPhPVZLWHV2QDj6LDATSLMLJDKNQI6QNSPPPPYTUYK4KZZ4E6O7OMO2HHHH 4NZU3G3TOGJL7D5B54GGGGKU67HLHL2YKEFZDUS56666GVCAGRUCH
15-12	0545	Dark Moon	120 chr EAM TIKADE UCPhPVZLWHV2QDj6LDATSLMLJDKNQI6QNSPPPPYTUYK4KZZ4E6O7OMO2HHHH 4NZU3G3TOGJL7D5B54GGGGKU67HLHL2YKEFZDUS56666GVCAGRUCH
15-12	0640	Dark Moon	30 chr EAM G7ZEV5 B6RE27OHI3UG25BOTKKLFG6B
15-12	1007	Dark Moon	30 chr EAM G7AMLZ U2ISSMGW6DVAYXZULIO2QNIY
15-12	1346	Dark Moon	30 chr EAM G7U5P2 ZOCELE2FCKS6RT6BBBD2NASI
15-12	1804	Dark Moon	30 chr EAM for Clip ZPZMLN AIYPXPJ5N6CDTKJ3MAHDAFSY (barely audible)
15-12	2043	Dark Moon	30 chr EAM G72NPV HXS2NWRXPLLHDMRU3KZSQJ2D
15-12	2107	Dark Moon	30 chr EAM for Aspirin ZPY736 4PJNISFHDMTVCZXMZRSTDVNM
16-12	0003	Moccasin	30 chr EAM for region Charlie ZPKO7Y U6TVSXPQDJR7QZZSBAEWJJB6
16-12	0011	Moccasin	30 chr EAM ZP3WBK TFCZB4557SRP2BLJF4GRW6M5
16-12	0114	Moccasin	44 chr EAM XPXHE4 ATAIH6DDEHPWA5JJWOCEHMDNSAHR3YIFHRBS7K
16-12	1318	Moccasin	30 chr EAM G7ZLDR XZEHFZ3QH7JOE7Y4UV6HBP2
16-12	1632	Moccasin	30 chr EAM for Heist ZPRGZ2 H7QTG6S5WDBEVK3S4PUYDDNQ
16-12	1747	Moccasin	30 chr EAM for Hanky-91 ZPE4KU IEEJR746XI472ES5LP3TQ3QV
16-12	1817	Moccasin	30 chr EAM G7RKOR DXH7EALP27EI3OV3NOHQLP7E
16-12	2117	Moccasin	30 chr EAM G7HELO P44NBTL5L4VFMSEPYZOMNH3B
16-12	2316	Moccasin	30 chr EAM G7UGUT NDTF2SC4C22LYDUQCPLPVHWU
17-12	0232	Raindrop	30 chr EAM G7IMYP T6DGPSSH6BZLWSE7UDKFHGXV
17-12	1419	Raindrop	30 chr EAM G7Q723 D33CGXLR6YKY7FXUXVK4GB7J
17-12	1422	Raindrop	30 chr EAM G7BQU6 5C65JN6V7KURCWI52SHSU5GX
17-12	1430	Raindrop	30 chr EAM G7YNYQ LZQ6ER66GYX6IR2UG2IRC3EP
17-12	1433	Raindrop	30 chr EAM G7YNYQ LZQ6ER66GYX6IR2UG2IRC3EP
17-12	1435	Raindrop	30 chr EAM G7BQU6 5C65JN6V7KURCWI52SHSU5GX
17-12	1437	Raindrop	30 chr EAM G7Q723 D33CGXLR6YKY7FXUXVK4GB7J
17-12	1501	Raindrop	30 chr EAM G7YNYQ LZQ6ER66GYX6IR2UG2IRC3EP
17-12	1503	Raindrop	30 chr EAM G7BQU6 5C65JN6V7KURCWI52SHSU5GX
17-12	1506	Raindrop	30 chr EAM G7Q723 D33CGXLR6YKY7FXUXVK4GB7J
17-12	1530	Raindrop	30 chr EAM G7YNYQ LZQ6ER66GYX6IR2UG2IRC3EP
17-12	1532	Raindrop	30 chr EAM G7BQU6 5C65JN6V7KURCWI52SHSU5GX
17-12	1535	Raindrop	30 chr EAM G7Q723 D33CGXLR6YKY7FXUXVK4GB7J
17-12	1556	Raindrop	30 chr EAM ZP72Y4 AS74C4EGBJDA4HLB6IEODF5S
17-12	1614	Raindrop	54 chr EAM ZPMGHT CNUPAJVLXA2SA2BXZN3BXZJQK6Z2TLXSMFACK6ZETBC4D4JS
17-12	1629	Raindrop	30 chr EAM ZP4YWX HNUH36T4A467OLGJ2NQ55BXS
17-12	1703	Raindrop	66 chr EAM ZPOTKF 3MFHUQJ7GI4RTHXBGFBXBGUKCJDC7VOIK26CCJD27ZLLBNRCCJD37R4CM6QQ
17-12	2316	Raindrop	30 chr EAM G7AJXZ ZMJ4ZWB4R56QRYVYNDQGP4
17-12	2351	Raindrop	30 chr EAM ZPZYPW 3VR4YOPAHOTJSSKEB5PSH4UN
18-12	0011	Swiss Boy	42 chr EAM ZPGBFI QWQHGPDOHY6WJTNLDE6NLD5SOJRQLC33PV22
18-12	0025	Swiss Boy	30 chr EAM ZP36HP 6F7RWU5WWJEW53WN2UT4W47B
18-12	0032	Swiss Boy	30 chr EAM G7MQD4 XVSCPSREBAV6YNLPWQUMYB6O
18-12	0055	Swiss Boy	59 chr EAM ZPZLUZ 5WTCCJ3PIUXRGWQU2QVNWQVNWPEENA6R5K34W46HNA635MU5FVLR
18-12	1134	Swiss Boy	35 chr EAM ZPHMX3 V3TAO7TSQ6S2GS5ZDP2JBN3OOZRHJ
18-12	1534	Swiss Boy	37 chr EAM 4OFDPF OOWZ3HRT7EQTWQDQWD6NKWM764AX23J
18-12	1616	Swiss Boy	30 chr EAM for Court ZPOAJS YGJAUFN2WNVTDTE6YJXU3GL
18-12	1632	Swiss Boy	30 chr EAM for Court ZPIJVS K3EZWT3Y4YXN4WP7AH4XARVD
18-12	1702	Swiss Boy	30 chr EAM for Court ZPBMHO JSWIJGLZTRQ6OLEMHKBUHE7R
18-12	1722	Swiss Boy	30 chr EAM for Court ZPB7ZU 7C2PLSOLKCTRAHSDOFW4RBN
18-12	1734	Swiss Boy	30 chr EAM G7SNQ6 CLG5X6HY42RO7VG4H2IAR2X6
18-12	1746	Swiss Boy	30 chr EAM for??-04 ZPYINY UK7EJV5HUFVRB224MIWX25FK
18-12	1816	Swiss Boy	30 chr EAM G7RVVP 7D2HDNNU7SSCYV2OQBZTLDK

18-12	2116	Swiss Boy	30 chr EAM G7QB6D ZB32OOTJSWPEWJ5QRDAWZGB7
19-12	0032	Advocate	30 chr EAM G7L3JN HX7V4SLTQYYB77LRAYJWGFC
19-12	0121	Advocate	30 chr EAM ZPP3QZ NSCWSRKSO6SGA4XB2FT2TPP
19-12	0140	Advocate	66 chr EAM ZPZKDQ ZRLG62UXKHBXTFKY3DACX3HUHOWI7HYV4YJWHOU17XOXXGGSWBSIK7YYJ3WHK
19-12	0153	Advocate	30 chr EAM ZP4MBH MXIAHCSBJVW4TGIAZ7G63VSP
19-12	0201	Advocate	30 chr EAM G7TRUC 2KBG57ZLVCGWIGLX65QEYYEX
19-12	0210	Advocate	30 chr EAM G7BGK4 NI7J6ET4DXA2Y32OFH2UC7I5
19-12	1323	Advocate	30 chr EAM G727II 2KNGKY2ADISFPQNGCRIZC4VU
19-12	2103	Advocate	78 chr EAM ZPMYEF NKG6Z3QAWNLF7YUUK- PMEUKPO4KPLB4DOZP3XTDPL44UNBD3STVV LX46PX4O5TY6PI4DOZP3XP
19-12	2133	Advocate	30 chr EAM G7LB5T D2GRSCROO7SOAYFON3WVOJ6A
19-12	2142	Advocate	37 chr EAM ZPWSHI KUHWD AHLYXRWIY337E6PHNPCQC52HMI
19-12	2203	Advocate	30 chr EAM G7XOEY YOD5374W4W3QS QLD7HFNQIVD
20-12	0441	Linotype	36 chr EAM ZP4B3H DMKL76ZNETGU67FNHGF5NADAF OE6B5
20-12	0538	Linotype	30 chr EAM G7WGS3 LNKHWWHC27NTTZBUGWZTXWMJ
20-12	1520	Linotype	164 chr EAM TIMMTD HT6U3VWLNFL7HTFIMFVWKW3HWGW7PD3PPA6JJJVW2G2IYC7ZFTC4CCZ N2222NWR3WRZBZ7BJ3RJCRCAAAJCYCMWWTPAN 72ENEBWWWWZCBFU2EQUWAY47NONWKKKK PV3G622OAAOQ776JQ4KKKKJ63UYDUD3
20-12	1630	Linotype	164 chr EAM TIISFO AJOK7ZD3LTK4JUBLHBV6VB2ZBYBURI4RRTNAAAA2OQJVG4AYCCBULBBZMXXXX Q64EON2V2CY3LB3MBMGGGGUJHA6HFFEMZASUKAKCTTTTUQBMLZRXW6R4JVVYGKKKKXO4ORLLZ AAHNZZ3SNP2222AVWOJHOHD
20-12	1634	Linotype	30 chr EAM G7OUMN 4SUSOQ3XF4IZNMMK5QBSEY4N
20-12	1700	Linotype	30 chr EAM G7OUMN 4SUSOQ3XF4IZNMMK5QBSEY4N
20-12	1730	Linotype	164 chr EAM TI3PHC 5IUEKFUNIM3YFRTNPTXZRT02THTQUTXUUCZPPPPFYM3K6A5EG2Q4XQQDBIIIIJGGQT KABAZIRPJRAJAVVVU2EDUO772BB2IVX2XKBBBVPFSLCML6LQSENANKPPP PVTUYZKKWIITOCZ7OAAH HH6N4ALVAVS
20-12	1739	Linotype	30 chr EAM G7OUMN 4SUSOQ3XF4IZNMMK5QBSEY4N
20-12	1802	Linotype	30 chr EAM G7OUMN 4SUSOQ3XF4IZNMMK5QBSEY4N
20-12	1831	Linotype	30 chr EAM G7OUMN 4SUSOQ3XF4IZNMMK5QBSEY4N
20-12	2108	Linotype	42 chr EAM ZPLVJX TI6DC5TAH65JSCGSR5MGSRSRSEP7ZSSZEMUGJ
20-12	2143	Linotype	30 chr EAM G7ECTP UBPSPCPMQFHWWPVPZSOQ4XY
20-12	2152	Linotype	30 chr EAM G7RBB3 LIOUH5X7ALUOE6DYLEAPCIJ5
20-12	2203	Linotype	30 chr EAM G7GGUY L2YZCMS6JTTNQTOTHOTKG7N
20-12	2254	Linotype	30 chr EAM G73A6S C7ILYDOY4ODSYBIHTU4XECLS
20-12	2306	Linotype	30 chr EAM G7YVEG VHLKDBOKQLOZZI3VLWXPRCVB
20-12	2314	Linotype	30 chr EAM G7ZKXH DPPVPM6BNAESNQVEPIRHIV5G
20-12	2320	Linotype	30 chr EAM G737SG M7YGXJXSZGLXPM3COMQYJLP4
20-12	2330	Linotype	30 chr EAM G737SG M7YGXJXSZGLXPM3COMQYJLP4
20-12	2337	Linotype	30 chr EAM G7YVEG VHLKDBOKQLOZZI3VLWXPRCVB
20-12	2342	Linotype	30 chr EAM G7U77Q JOGTHWE4SKPTH PEDN4RBDMCL
20-12	2346	Linotype	30 chr EAM G7Z3PE PJC4ISFP3CRC7OFH2BPGL7BS
20-12	2349	Linotype	30 chr EAM G74LCH S7BTD77WIWWTP6KWGWWDVKX32
21-12	0232	Base Pay	30 chr EAM G7ZUCZ GSJ2WFKI2XWHLME557KGLWJ6 this is Andrews (!) out
21-12	0235	Base Pay	30 chr EAM G7ZUCZ GSJ2WFKI2XWHLME557KGLWJ6
21-12	2205	Base Pay	56 chr EAM TI3VQS OGKETPPC7XZXGNNTANEXXA4DI42QNCWWT6ZUWJNV3AFZGSNXO6
21-12	2319	Base Pay	30 chr EAM G7OZ7G M6LZKJ4CPATC46GK47OEWKNP
21-12	2139	Base Pay	30 chr EAM G7OZ7G M6LZKJ4CPATC46GK47OEWKNP
22-12	0009	Restrain	30 chr EAM G7OZ7G M6LZKJ4CPATC46GK47OEWKNP
22-12	0103	Restrain	30 chr EAM G73UPU UYXYO6DQXSIPIJGT3F7ZQ2UX
22-12	0110	Cargate	30 chr EAM G7OZ7G M6LZKJ4CPATC46GK47OEWKNP
22-12	0206	Restrain	30 chr EAM G7HABC E2BC3FX26P5OGXAURZQDUHNI
22-12	0216	Restrain	30 chr EAM G7AID3 XHQZTQ3UCVTOQQK6QNTNLCEQ
22-12	0220	Restrain	30 chr EAM G7P75J QJFRPST7IESOFMC5XG3GWXN4
22-12	0224	Restrain	56 chr EAM TIEPHN VDWLQV6PXUXQJCL2VL4AWIF3QQ6ZUHEKDSSUEVHPPP43UBXZV3
22-12	0229	Restrain	56 chr EAM TIEPHN VDWLQV6PXUXQJCL2VL4AWIF3QQ6ZUHEKDSSUEVHPPP43UBXZV3
22-12	0233	Restrain	30 chr EAM G7AID3 XHQZTQ3UCVTOQQK6QNTNLCEQ
22-12	0235	Restrain	30 chr EAM G7HABC E2BC3FX26P5OGXAURZQDUHNI
22-12	1607	Restrain	30 chr EAM G7VAKH CIEYZZWNQDWAUPIOFUF62ID7
22-12	1613	Restrain	36 chr EAM ZPRFEU 7RCKNKJ6L52MZBIDU4PT4T4ZTRW2PR
22-12	2038	Restrain	30 chr EAM G7GYUV CSIII7DGAVWRBDZE34UODK25
22-12	2042	Restrain	30 chr EAM G7F2XY NV3SPYVRPQYREVVPY74T5AXD2
22-12	2046	Restrain	30 chr EAM G74X7I 6UUBMLUDHBMH2N7O7FMCJUW6
23-12	0153	Fruitful	30 chr EAM G7553S 7OOG54JJUDDDYRCSPM3PVCZ
23-12	0157	Fruitful	30 chr EAM ZPPPWT Y7MXNW2WHBLDSVTIXUC5APHX
23-12	0205	Fruitful	44 chr EAM ZPSAZC DOEL7TDYKRMFXSEFADAKR7SXS6R7NUBYLIYOPX
23-12	1618	Fruitful	30 chr EAM G7OKZA EQ5IWGK7BG26HLED2X6YHFQL
23-12	1746	Fruitful	30 chr EAM for Jerry-34 ZPBHXX DO5OF6IFM2VH7LOTQ2CGSMEU
23-12	1816	Fruitful	30 chr EAM G777PB FOTTFWQXZXSUYICODKAQVS2
23-12	2133	Fruitful	30 chr EAM G75ISN 7TE3Q3NS3P5V6X33D23KCPTW
23-12	2320	Fruitful	30 chr EAM G7KD7G AUBL4U66XL3QLK7OJPSRCQWZ

26-12	1642	Bracelet	54 chr EAM TIN5DN YAR5RY6AQXKTGUBLXBV6IA2LLBL5RO4IR4ZYACPNOPLLA2MD
27-12	2319	Ownership	30 chr EAM G7WVF2O FVP4EYJJVBLMHKBSG4UOC4XB
28-12	0232	Foxtrot	30 chr EAM G77VBU VZV4HTCTIVAWUHWFFVH2B6UR
28-12	0236	Foxtrot	30 chr EAM G77VBU VZV4HTCTIVAWUHWFFVH2B6UR
28-12	2133	Hockshop	30 chr EAM G7VVDU X22RVK2Z5EATOCKIX6DVKY6H
28-12	2147	Hockshop	30 chr EAM G7IIFE STKPJR4637LX2HBNTLNF246J
28-12	2319	Hockshop	30 chr EAM G7LZNC BO6IXKK6MVSA7KJ2XLSUWF4M
29-12	0103	Construct	30 chr EAM G7BIVX 5JTDIGSKAQ7EAUNUFJGRE5L7
29-12	0710	Construct	30 chr EAM G7CYK2 UV4AF6OXIJKOHMR3OFKXRS3F
29-12	2343	Construct	30 chr EAM G7KTJO WHXMZF2MSQJN24JNTYOKYIGP
30-12	0503	Longbow	30 chr EAM G7DE4I EP6GIXZODL4ILI4BJO2YLGMR
30-12	0520	Longbow	30 chr EAM G7A0OR 4BO2RJA7PNIPJUBBJ4QFV6K
30-12	0530	Longbow	30 chr EAM G7A0OR 4BO2RJA7PNIPJUBBJ4QFV6K
30-12	0534	Longbow	30 chr EAM G7A0OR 4BO2RJA7PNIPJUBBJ4QFV6K
30-12	0537	Longbow	30 chr EAM G7DE4I EP6GIXZODL4ILI4BJO2YLGMR
30-12	0540	Longbow	30 chr EAM G7CBMT GB34W3T4H4AEM77HCW6BHTVU
30-12	1533	Longbow	30 chr EAM for Firefly Guard ZP22GX UAVSA5DTRCN2VNO2VPWNBJRO
30-12	1633	Longbow	30 chr EAM for Firefly Guard ZPBKZH 6XL4VWRNUR753PMNZUIC5SV
30-12	1816	Longbow	30 chr EAM G75MCW ZOSTTDQFGGZZHZDWGYUBOS7W
30-12	1835	Longbow	30 chr EAM for Firefly Guard ZPIALX QM2CAWJKTXFZGR2KB5MVX7XP
30-12	1933	Longbow	30 chr EAM for Firefly Guard ZPG6NT 3T44JWWSTWTKIWQN357JPXT7
30-12	2143	Longbow	30 chr EAM G75NAJ B3AG2DCO3DFVR6HRVH3BQ5JY
30-12	2319	Longbow	30 chr EAM G7TI3B POAA2WVR7UFLPEQ7OC473HAO
31-12	0545	Skeptical	30 chr EAM G7R5G3 6Z3QWIKKGWPBVF5YHE6JBT5P
31-12	0603	Skeptical	30 chr EAM G7R5G3 6Z3QWIKKGWPBVF5YHE6JBT5P
31-12	0615	Skeptical	30 chr EAM G77JWW HNEVHSY7RHTLJ6ZSLVDZSRFP
31-12	0634	Skeptical	30 chr EAM G77JWW HNEVHSY7RHTLJ6ZSLVDZSRFP
31-12	0637	Skeptical	30 chr EAM G7R5G3 6Z3QWIKKGWPBVF5YHE6JBT5P
31-12	0643	Skeptical	30 chr EAM G7IUOW TGNS7ZYLPEYUSKDE4VOZVTJB
31-12	0646	Skeptical	30 chr EAM G7OA5L DZOCLRPUYVKDPQNSG7K6HIJB
31-12	0700	Skeptical	30 chr EAM G7OA5L DZOCLRPUYVKDPQNSG7K6HIJB
31-12	0702	Skeptical	30 chr EAM G7IUOW TGNS7ZYLPEYUSKDE4VOZVTJB
31-12	0705	Skeptical	30 chr EAM G77JWW HNEVHSY7RHTLJ6ZSLVDZSRFP
31-12	2319	Skeptical	30 chr EAM G7MOYV PWFJ7DUZCDLN24WRESH2E5US
31-12	2329	Skeptical	30 chr EAM G7MOYV PWFJ7DUZCDLN24WRESH2E5US

RUSSIAN MILITARY

Excerpts from messages submitted by Gwr, AB, WP3, JPL.

Strategic messages

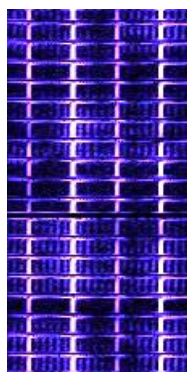
5387 kHz, 01-12, 1052 UTC	XXX XXX WEGI WEGI 22620 FATOMAYaK 0633 0093 K //5759 kHz
5759 kHz, 01-12, 1058 UTC	XXX XXX WEGI WEGI 22620 FATOMAYaK 0633 0093 K //5387 kHz
5387 kHz, 01-12, 1058 UTC	XXX XXX WEGI WEGI 92149 MAGAZINShchIK 6115 8291 FOKOGANG 6111 7966 K
5387 kHz, 01-12, 1104 UTC	XXX XXX N1D' N1D' F2ET F2ET 56047 59471 FONDOSHU 1082 5097 SOYuZOGLAZ 0300 0427 K
5759 kHz, 01-12, 1104 UTC	XXX XXX N1D' N1D' F2ET F2ET 56047 59471 FONDOSHU 1082 5097 SOYuZOGLAZ 0300 0427 K
5759 kHz, 01-12, 1108 UTC	XXX XXX 1ShchRF 1ShchRF 30406 SIGAROCNICA 7299 2657 K
5387 kHz, 01-12, 1110 UTC	XXX XXX WEGI WEGI 73538 AMBRAZURA 7182 8177 OTMETINA 4044 2852 K
5387 kHz, 01-12, 1113 UTC	XXX XXX WLHN WLHN 38918 38564 28856 01270 33958 TOLKOSHNEK 7366 1632 K
5387 kHz, 01-12, 1120 UTC	XXX XXX ONG4 ONG4 23512 GAKYuWORS 7470 6608 K
5387 kHz, 01-12, 1128 UTC	XXX XXX WEGI WEGI 34108 PUAZOSHAG 2291 5975 K
5387 kHz, 01-12, 1135 UTC	XXX XXX WLHN WLHN 36414 24093 08013 POKLONNICA 8074 5278 K
5387 kHz, 01-12, 1138 UTC	XXX XXX N1D' N1D' 22087 NEUSIDChIWYJ 8660 4831 K
5373 kHz, 01-12, 1152 UTC	XXX XXX ONG4 ONG4 34097 ODEROSHANS 6990 3043 AWIABENZIN 2626 7267 K
5387 kHz, 01-12, 1214 UTC	XXX XXX WEGI WEGI 87469 RANGOCHEt 8324 6784 K
5387 kHz, 01-12, 1244 UTC	XXX XXX WEGI WEGI 83439 ODEROKOD 7696 3486 K
5456.5 kHz, 02-12, 1021 UTC	XXX XXX WEGI WEGI 21085 KLUBOBOG 9955 1879 K
5456.5 kHz, 02-12, 1035 UTC	XXX XXX WEGI WEGI 83418 OBOLOChKOWYJ 7175 4285 K
5456.5 kHz, 02-12, 1040 UTC	XXX XXX WEGI WEGI 73072 SPASOMETR 6172 0353 RWAN'E 0734 0948 K
5759 kHz, 02-12, 1048 UTC	XXX XXX 1ShchRF 1ShchRF 20589 NATMOBORT 8298 7644 K
5456.5 kHz, 02-12, 1055 UTC	XXX XXX WEGI WEGI 12661 URONOBREST 8103 1094 K
5456.5 kHz, 02-12, 1040 UTC	XXX XXX WLHN WLHN 01795 34447 50498 53840 41951 PODROST 9650 7239 K
5456.5 kHz, 02-12, 1105 UTC	XXX XXX WEGI WEGI 14085 OBNAZHEN'E 0684 6029 K

5456.5 kHz, 02-12, 1107 UTC	XXX XXX WEGI WEGI 23801 DOCh' 8126 9910 K
5456.5 kHz, 02-12, 1114 UTC	XXX XXX WLHN WLHN 83724 07537 70455 TITROSYN 1857 5262 K
5456.5 kHz, 02-12, 1118 UTC	XXX XXX N1D' N1D' 45905 STULOHOR 6681 9151 K
5881.5 kHz, 02-12, 1219 UTC	XXX XXX DMSB DMSB 47340 OGURCOWA 4436 2824 K
12741 kHz, 03-12, 1255 UTC	XXX XXX WEGI WEGI 27252 39096 RYBOWEDENIE 5461 7297 K
5387 kHz, 03-12, 1003 UTC	XXX XXX WEGI WEGI 66022 POTREBA 8190 5980 K
4649 kHz, 03-12, 1006 UTC	XXX XXX 1ShchRF 1ShchRF 77939 POTREBA 8190 5980 K
4855 kHz, 03-12, 1013 UTC	XXX XXX VN9B VN9B 45609 RULEZhKA 0407 6539 K
5759 kHz, 03-12, 1016 UTC	XXX XXX WEGI WEGI 66022 POTREBA 8190 5980 K
5759 kHz, 03-12, 1023 UTC	XXX XXX WEGI WEGI 20832 AUOSRUB 9181 5299 K
5387 kHz, 03-12, 1027 UTC	XXX XXX WEGI WEGI 18105 DOLGOKLAN 6136 5720 PUDOGIMN 0705 1325 K
5759 kHz, 03-12, 1032 UTC	XXX XXX N1D' N1D' F2ET F2ET 45669 88331 PUHOZUB 5175 1867 FASOGERB 0827 5403 K
5759 kHz, 03-12, 1043 UTC	XXX XXX 1ShchRF 1ShchRF 56416 FARTODIM 8359 1708 K
4649 kHz, 03-12, 1044 UTC	XXX XXX 1ShchRF 1ShchRF 13096 FARTODIM 8359 1708 K
5387 kHz, 03-12, 1046 UTC	XXX XXX WEGI WEGI 56888 RADII 7143 8860 STAZhORUR 7898 9979 K
5387 kHz, 03-12, 1051 UTC	XXX XXX WLHN WLHN 30563 24398 61516 55846 80051 FADOGRAD 7952 6034 K
5387 kHz, 03-12, 1057 UTC	XXX XXX WEGI WEGI 39096 RYBOWEDENIE 5461 7297 K
5387 kHz, 03-12, 1101 UTC	XXX XXX WEGI WEGI 10747 KABOTAZhNIK 8136 8936 K
5387 kHz, 03-12, 1108 UTC	XXX XXX WLHN WLHN 49293 56430 36166 MEhROZWYaK 9135 6707 K
5387 kHz, 03-12, 1110 UTC	XXX XXX N1D' N1D' 49411 STAZOTOLK 0257 9379 K
5387 kHz, 03-12, 1213 UTC	XXX XXX WEGI WEGI 84416 SPIDOMOPS 8335 2113 K
5387 kHz, 03-12, 1231 UTC	XXX XXX WEGI WEGI 56187 TRUDOKRYM 3706 2743 K
12741 kHz, 04-12, 1249 UTC	XXX XXX WEGI WEGI 15689 75405 ROSSOPUAZ 7362 9205 K
5387 kHz, 04-12, 1000 UTC	XXX XXX WEGI WEGI 71382 NEONOKWIT 1308 3814 K
5387 kHz, 04-12, 1015 UTC	XXX XXX WEGI WEGI 05224 SLOMOLUN' 6384 6700 K
5387 kHz, 04-12, 1021 UTC	XXX XXX WEGI WEGI 09646 TAZOROD 6115 9845 RAPORTIchKA 3196 2771 K
5387 kHz, 04-12, 1026 UTC	XXX XXX N1D' N1D' F2ET F2ET 54839 53194 KAIROHOR 9098 7571 K
5374 kHz, 04-12, 1033 UTC	XXX XXX ONG4 ONG4 48094 BOREJ 4443 4553 K
4649 kHz, 04-12, 1035 UTC	XXX XXX 1ShchRF 1ShchRF 61039 ZASYHAN'E 9773 5747 K
5387 kHz, 04-12, 1040 UTC	XXX XXX WEGI WEGI 50252 OFISOFERT 7170 5100 ROWOSMYW 2535 7063 K
5387 kHz, 04-12, 1045 UTC	XXX XXX WLHN WLHN 10738 28125 63009 50424 95606 SAJTOSTOG 4792 8963 K
5374 kHz, 04-12, 1049 UTC	XXX XXX ONG4 ONG4 43028 ZhAROWOSK 0599 6859 K
5387 kHz, 04-12, 1053 UTC	XXX XXX WEGI WEGI 50620 SUSTAW 9454 0838 K
5374 kHz, 04-12, 1055 UTC	XXX XXX ONG4 ONG4 07272 ZAJMOREJD 5452 1176 K
5387 kHz, 04-12, 1056 UTC	XXX XXX WEGI WEGI 80569 TYRWA 8146 6287 K
5387 kHz, 04-12, 1059 UTC	XXX XXX WLHN WLHN 96912 25056 46818 LETOPIS' 7861 4278 K
5387 kHz, 04-12, 1103 UTC	XXX XXX N1D' N1D' 74805 PENICILLIN 2751 2060 K
5374 kHz, 04-12, 1123 UTC	XXX XXX ONG4 ONG4 83963 ZhiROFISK 1965 0268 K
5387 kHz, 04-12, 1206 UTC	XXX XXX WEGI WEGI 09030 WYGORANIE 8310 6828 K
5387 kHz, 04-12, 1238 UTC	XXX XXX WEGI WEGI 75405 ROSSOPUAZ 7362 9205 K
5374 kHz, 04-12, 1248 UTC	XXX XXX ONG4 ONG4 00646 BAULODWOR 0615 6957 K
5759 kHz, 07-12, 1026 UTC	XXX XXX N1D' N1D' F2ET F2ET 48872 07236 TREFNOJ 4554 2421 PIRSOP LIS 2835 4705 K
4649 kHz, 07-12, 1030 UTC	XXX XXX 1ShchRF 1ShchRF 45655 TREFNOJ 4554 2421 PIRSOP LIS 2835 4705 K
5387 kHz, 07-12, 1036 UTC	XXX XXX WEGI WEGI 99306 TRONOTMIN 7150 6993 PODShEFNYJ 8841 0045 K
5374 kHz, 07-12, 1045 UTC	XXX XXX ONG4 ONG4 57963 KIROWOGRAD 5530 5198 K
5456.5 kHz, 07-12, 1055 UTC	XXX XXX WEGI WEGI 61331 BURLIWYJ 7352 0493 K
5456.5 kHz, 07-12, 1100 UTC	XXX XXX WEGI WEGI 32074 IRANOSAZh 8185 4183 K
5456.5 kHz, 07-12, 1105 UTC	XXX XXX WLHN WLHN 07730 57454 26065 PLENONTON 1191 0980 K
5017 kHz, 07-12, 1109 UTC	XXX XXX RGT77 RGT77 55403 PERIGASTRIT 1618 8718 K
5017 kHz, 07-12, 1112 UTC	XXX XXX RGT77 RGT77 - 5fig radiogram
5456.5 kHz, 07-12, 1117 UTC	XXX XXX N1D' N1D' 40547 POKAZATEL' 4198 7660 K
5387 kHz, 08-12, 1022 UTC	XXX XXX WEGI WEGI 79202 UZOROZAYaC 3541 0806 K
4649 kHz, 08-12, 1025 UTC	XXX XXX 1ShchRF 1ShchRF 84681 UZOROZAYaC 3541 0806 K
5387 kHz, 08-12, 1025 UTC	XXX XXX WEGI WEGI 48325 MAZANKOWYJ 6161 0973 TRAKOZALP 5831 6795 K
5374 kHz, 08-12, 1029 UTC	XXX XXX ONG4 ONG4 21017 MNENIE 2583 0614 K
5456.5 kHz, 08-12, 1029 UTC	XXX XXX N1D' N1D' F2ET F2ET 17810 83303 MIDODYaDYa 4574 8482 OBRYWOChNYJ 3 605 6222 K
4923 kHz, 07-12, 1041 UTC	XXX XXX DMSB DMSB 30009 PESHchERISTYJ 9696 7090 NEWA 8121 4510 K
5456.5 kHz, 07-12, 1043 UTC	XXX XXX WEGI WEGI Ch0524 RAZMETRA 7156 5879 HAMOMUL 4394 3887 K ("Ch" at start of header group obviously should be 9)
5456.5 kHz, 07-12, 1048 UTC	XXX XXX WLHN WLHN 68110 85826 37893 99755 02142 ULAROSSET 9100 7314 K
5374 kHz, 07-12, 1051 UTC	XXX XXX ONG4 ONG4 98051 METAShchAZA 0062 9000 K
5456.5 kHz, 07-12, 1103 UTC	XXX XXX WEGI WEGI 45258 SLABEN'RIJ 0071 9944 K
5456.5 kHz, 07-12, 1105 UTC	XXX XXX WEGI WEGI 48664 USIKOTREF 8140 6762 K

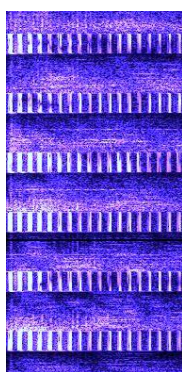
5456.5 kHz, 07-12, 1109 UTC	XXX XXX WLHN WLHN 41482 51688 36345 SYRORUMB 7271 9861 K (SYVORUMB used on 7-12 1036z as 3rd word in 3 word wheel message, one letter difference)
5374 kHz, 07-12, 1110 UTC	XXX XXX ONG4 ONG4 47473 MEhTROLAZ 0239 2891
5456.5 kHz, 07-12, 1113 UTC	XXX XXX N1D' N1D' 20393 PONGOShANS 0133 8215 K
5374 kHz, 07-12, 1122 UTC	XXX XXX ONG4 ONG4 82656 15166 NOZhOBEmR 9144 2240 K
5759 kHz, 07-12, 1225 UTC	XXX XXX RGT77 RGT77 23989 PLyASOMARS 7227 4028 UKOSOKRASH 3026 9525 K (only S28 responded with follow-up message, no southern district hubs)
5474 kHz, 07-12, 1229 UTC	XXX XXX ONG4 ONG4 99565 GRUZOPES 2117 1882 K
5456.5 kHz, 07-12, 1239 UTC	XXX XXX WEGI WEGI 74914 MEZDROWYJ 1670 7815 K
12741 kHz, 10-12, ??? UTC	XXX XXX WEGI WEGI 24946 34832 AZOCIAN 72985126 K
5759 kHz, 09-12, 1042 UTC	XXX XXX WEGI WEGI 40524 RAZMETKA 7156 5879 HAMOMUL 4396 3887 K (broadcast on 5759 kHz only, practice message)
5387 kHz, 09-12, 1058 UTC	XXX XXX WEGI WEGI 92315 GARMOShKA 4375 4493 K
4649 kHz, 09-12, 1101 UTC	XXX XXX 1ShchRF 1ShchRF 73525 GARMOShKA 4375 4493 K
5456.5 10-12-2020 1035 UTC	XXX XXX WEGI WEGI 58993 STEMOShLIF 8161 9071 SOKRUSHenIE 0008 0833 K
4649 kHz, 10-12, 1040 UTC	XXX XXX 1ShchRF 1ShchRF 74428 SOKRUSHenIE 0008 0833 K
5374 kHz, 10-12, 1049 UTC	XXX XXX ONG4 ONG4 00226 IRAKOLAOS 8108 8400 K
4649 kHz, 10-12, 1056 UTC	XXX XXX 1ShchRF 1ShchRF 84389 303 = DDDDD IUfYaN EShFKL NNBYO PKQZS NNBYO PKQZS NNBYO PKQZS BNFUB BRKJCh CDMFK OHBXC KQChKYu OMNHSh ADChEZh IXEIH ZDGNE AEJChYu NChDGM RYuUDO ZhGYaFI BTPBP KBYuQK HTYZhM YRSCT CEYuIE MZHyEX SWTUF YFTWX BOEXO QCAPB ChRZhRU YCRHE DXZhRJ NXCUS MZYaRD EITXS IGLBW TRZbBH BXyMU JGGRR GQPKU DChYuMQ GLPKE EXCGD ShNYaShA ILTChZh WZhOIQ WDBEA THAWF YuCJaJ SODBZ ShPGQU YSOChA MREGB LBYaRE LSASZ AZGDZ TUPSW ChQPRR EIDChZh MTUQX MORZhW HBOQK ZAGXY BDYuYK YChIiYu YZGJZ YaUWfYu HHBHYa KTIRCh UMYWU HWZhWyYa MJYKH YARHYu INHYaW YXTCA RUfJZh ZXZhYuI ShUAOJ FNYaEA YShLEZh GEYCSH JZONSh SCTGY DNBChC YaPZhXCh GOOPU YuShUGP RUYEO ZZFSHo UNRYuQ WEZhYaF ZhTPBW HAXTCh YuIMoch NWChSD FIJLCh RZYuYuZ YTHFN YaPYaPYa = K
5017 kHz, 10-12, 1241 UTC	XXX XXX WEGI WEGI 09008 HLaMOGREK 5277 5800 K (non-circular WEGI, leads to a WEGI 5LG radiogram some minutes later on same net)
5017 kHz, 10-12, 1246 UTC	XXX XXX WEGI WEGI 5LG radiogram (initiated by previous WEGI flash)

Monolith stations

Russian military station markers



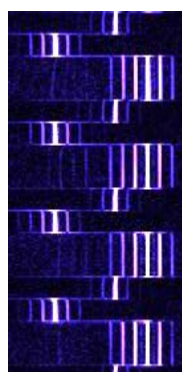
Alarm



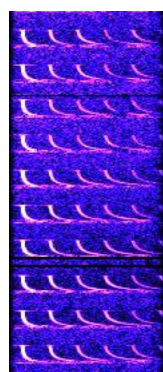
Buzzer



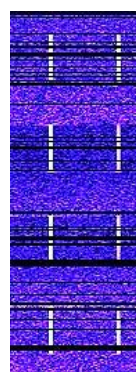
Pip



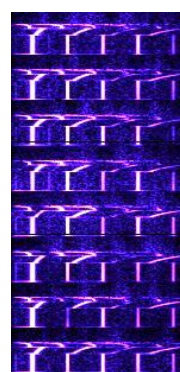
Squeaky Wheel



Air Horn



Dash marker



Goose

Western Military District stations.

The nicknames refer to the sound of the channel markers.

Buzzer	4625 kHz
D marker	5292 kHz. Not heard lately
Dash marker	4182 kHz
Air Horn	3510 kHz
Goose	4310 kHz (day), 3243 kHz (night)
Alarm	4770 kHz
Katok-65	4224 kHz (day), 3218.5 kHz (night). Not heard lately

Southern Military District stations.

The nicknames refer to the sound of the channel markers.

Pip	5448 kHz (day), 3756 kHz (night)
Squeaky Wheel	5473 kHz (day), 3828 kHz (night)
Vega-33	5372 kHz
Baron-78	3850 kHz (day), 4940 kHz (night)

Russian Western Military District

Freq	Date	UTC	Code	Details
4625	1-12	1055	S28	ANVF 88180 ISChYeRPANIYe 2567 1173
4625	1-12	1121	S28	ANVF 57359 BASOFAKT 4125 3799
4625	1-12	1134	S28	ANVF 06971 ZhGUTOPLYaS 8263 6001
4625	1-12	1138	S28	ANVF 22809 AMPYeRMYeTR 5674 9943
4625	1-12	1219	S28	ANVF 34156 LZHeCOCYeNT 1705 2257
4625	1-12	1252	S28	ANVF 66006 ZhITYeL' 8539 0054
4625	2-12	1026	S28	ANVF 84136 GORNOKAYuK 8592 8891
4625	2-12	1041	S28	ANVF 79604 GRIMOChYeRT 2152 8370
4625	2-12	1047	S28	ANVF 01871 IDZYeALIZACIYa 2499 5166 BUNDODAMP 5351 5627
4625	2-12	1059	S28	ANVF 38656 KANOMHAT 8526 1323 LIKOKNOP 5059 6881
4625	2-12	1123	S28	ANVF 35264 DYeShYeVYeN'KIJ 4520 9375
4625	3-12	1005	S28	ANVF 37292 GYeKTOGRAf 4797 1645
4625	3-12	1011	S28	ANVF 27879 VZAIMNYJ 3975 5750
4625	3-12	1032	S28	ANVF 04263 ZEHKOROV 0834 5860
4625	3-12	1035	S28	ANVF 91885 DRAKA 7858 8837 BONOHRUShch 3254 4627
4625	3-12	1100	S28	ANVF 65438 KLYeShchOFOST 6032 6012
4625	3-12	1112	S28	ANVF 88473 ZhMYHOVUZ 2158 6888
4625	3-12	1114	S28	ANVF 22516 GONGOLYaRD 6906 1668
4625	3-12	1217	S28	ANVF 37872 ANAPLAZMOZ 6059 2160
4625	3-12	1237	S28	ANVF 26070 VYMYeTAN'Ye 3034 4872
4625	4-12	1012	S28	ANVF 34245 ISSTUPLYeNIYe 0625 4654
4625	4-12	1026	S28	ANVF 58682 KYePLYeR 7487 7999
4625	4-12	1027	S28	ANVF 56238 BOLOFYeK 4372 7356 KYeBOSHLAG 9434 4997
4625	4-12	1045	S28	ANVF 47407 ZhAVORONOK 9838 1865 LAFA 3052 9507
4625	4-12	1050	S28	ANVF 01723 GOTOVYJ 8597 7049
4625	4-12	1059	S28	ANVF 17380 D'YaKOMAG 3717 8908
4625	4-12	1101	S28	ANVF 11800 BLINOLOR 2842 1959
4625	4-12	1106	S28	ANVF 05566 AZOTOLYeShch 7599 7420
4625	4-12	1215	S28	ANVF 01313 ATOMOVKUS 3785 0153
4625	4-12	1246	S28	ANVF 49341 BARKOBAS 1734 3428
4625	7-12	1033	S28	ANVF 55409 DOLOHUK 5528 6989 VHODONOH 3226 4768
4625	7-12	1042	S28	ANVF 67140 DAL'NOST' 6373 2890 BASKOPUL 9689 0975
4625	7-12	1049	S28	ANVF 64488 GUZhOMGU 9317 8248 BANTOHLYeV 1585 6817
4625	7-12	1054	S28	ANVF 95611 ATOMOHAN 4895 6841
4625	7-12	1100	S28	ANVF 19016 KRAH 8730 2048
4625	7-12	1110	S28	ANVF 91236 DINAMKA 2888 5408
4625	7-12	1116	S28	ANVF 17814 BUNTOZhLOB 0808 2023
4625	7-12	1228	S28	ANVF 85161 LAZhOChIN 0573 2683
4625	7-12	1244	S28	ANVF 67082 ZATYLOChYeK 5176 3559
4625	9-12	1105	S28	ANVF 64270 VOYaZhOShVYeD 1853 6582 (Pip had similar "VOYaZhOShchUP" msg on 8-12
4625	10-12	1041	S28	ANVF 77382 KON'YuNKCIYa 3119 6315 GRUZINSKIJ 6816 0243

Russian Southern Military District

Freq	Date	UTC	Code	Details
5448	1-12	1012	S30	8S1Shch 61744 GALIFE 4924 1766 VOROVATYJ 5365 3480
5473	1-12	1018	S32	Al'fa-45 66873 MOROShKA 5775 7151 BASKOHVAT 5748 9952
5448	1-12	1058	S30	8S1Shch 75377 DIOPTRIKA 0488 2200
5473	1-12	1102	S32	Al'fa-45 88906 MYeHOBRYaK 4778 8446
5448	1-12	1112	S30	8S1Shch 36202 KOMYeNDANT 8729 4860
5473	1-12	1114	S32	Al'fa-45 78102 BOBOPOL 4931 4625
5372	1-12	1118	---	N'ZhJ 42069 BORYeJ 1372 0027
5448	1-12	1122	S30	8S1Shch 61555 ZLORADNYJ 4728 3089
5473	1-12	1124	S32	Al'fa-45 03466 MURAShYeYeD 6372 4204
5372	1-12	1126	---	N'ZhJ 28914 NUKLON 5841 3411
5448	1-12	1141	S30	8S1Shch 63209 OBOLOKON 5328 1616
5372	1-12	1143	---	N'ZhJ 92621 NYeMIRNYJ 9792 7594
5473	1-12	1144	S32	Al'fa-45 04987 ZADOLZhNICA 1640 7059

5448	1-12	1145	S30	8S1Shch 57889 MYeNZUL'NYJ 6839 9724
5473	1-12	1148	S32	Al'fa-45 00510 ZAKROJShchICA 4374 7089
5448	1-12	1222	S30	8S1Shch 20973 ZAL 0069 5969 NADOMNIK 4345 3155
5473	1-12	1227	S32	Al'fa-45 25551 NAMORDNIK 8562 5135 NYePRILICHNYJ 0235 6395
5372	1-12	1246	---	N'ZhJ 47042 LIDSODAR 0170 3944
5448	1-12	1252	S30	8S1Shch 89530 KRYeSTIK 6353 9647 //5180 kHz CW
5180	1-12	1252	---	8S1Shch 89530 KRYeSTIK 6353 9647 (S30 morse channel)
4940	1-12	1255	---	Tros-28 ya Baron-78 - Vozduh, Baklan: 35164 STONAVA 8585 3193
5473	1-12	1255	S32	Al'fa-45 64443 KYeBOSLOT 5354 3357
5372	1-12	1312	---	N'ZhJ 78245 OBRAZOK 5989 8160
5448	2-12	1028	S30	8S1Shch 98306 ZAMOMEL 9963 7194
5473	2-12	1031	S32	Al'fa-45 33786 BRYeTYeR 8716 2162
5448	2-12	1038	S30	8S1Shch 66107 KLYKOSchUP 9542 5394
5473	2-12	1043	S32	Al'fa-45 23847 NADVORNYJ 8903 1808
5448	2-12	1045	S30	8S1Shch 00352 MIGOHLOP 2650 4028 BAYaNOKROT 8431 0579
5473	2-12	1050	S32	Alfa-45 47328 STOPOChKA 3735 1594
5448	2-12	1059	S30	8S1Shch 74007 KORZhOBRYeG 6076 8803 YeROPAH 3277 3674
5372	2-12	1102	---	N'ZhJ 37037 DRUGOPLYeS 3938 3326 DIMOTVIN 0055 5818
5448	2-12	1103	S30	8S1Shch 48930 BORACIT 8072 2720
5473	2-12	1103	S32	Al'fa-45 15634 KRIPTOFIT 3813 4630
5473	2-12	1107	S32	Al'fa-45 79784 ZALPOGRACH 1053 3338
5448	2-12	1110	S30	8S1Shch 46124 MORION 2116 1897
5473	2-12	1114	S32	Al'fa-45 60385 DOG 9734 4064 (WEGI heavily audible in background)
5448	2-12	1123	S30	8S1Shch 41453 KONYuShNYa 6281 2093 KARDANNYJ 9957 3508
5473	2-12	1128	S32	Al'fa-45 44761 NOZhOSchIT 6773 4386 ANODOLAZh 6179 8294
5372	2-12	1130	---	N'ZhJ 68829 KOMFORACIYa 2408 5132
5372	2-12	1130	---	N'ZhJ 10239 KAMPUS 4984 2240 very similar follow-up groups to following message
5372	2-12	1131	---	N'ZhJ 09224 IZYuMOPIRS 4934 2240 very similar follow-up groups to following message
5448	2-12	1249	S30	8S1Shch 95655 AMUROPAL 2377 9768 KARABAH 4525 9281
5473	2-12	1253	S32	Al'fa-45 90866 KARPORAB 0020 1178
4940	2-12	1254	---	Tros-28 ya Baron-78 - Baklan: 48550 BASYeLYeI 8668 8317
5448	2-12	1300	S30	C2ZA ShchGJP TZLM FY5Ye F61N 37CN MUDR 7VNSchh Zh7NZh YMA5
5448	3-12	1009	S30	8S1Shch 92059 GIPSOShLYeM 1270 2554 (1st repeat of header group read as "12059". "Moskovskaya vremya skolko?!" heard in background before timestamp read.
5473	3-12	1011	S32	Al'fa-45 48853 VRUNOTIF 1581 7029
5448	3-12	1027	S30	8S1Shch 72490 NYeUChYeN'Ye 1770 9664
5372	3-12	1029	---	N'ZhJ 73315 KINOZhURNAL 6562 1771
5473	3-12	1029	S32	Al'fa-45 58719 PRISKORBNYJ 0540 3243
4940	3-12	1031	---	Tros-28 ya Baron-78: Baklan - 02975 NAPAHAANNYJ 5377 1070
5448	3-12	1034	S30	8S1Shch 32198JOTOPLIS 1413 3213 NACHATOChNYJ 8031 6979
5473	3-12	1037	S32	Al'fa-45 45964 GIKOHRAP 6118 1345
5372	3-12	1048	---	N'ZhJ 12330 ZAPLAKANNYJ 4907 2046
5372	3-12	1049	---	N'ZhJ 84715 MOTOMS'Ye 8864 0922
5448	3-12	1053	S30	8S1Shch 52051 BRYeGOHRAM 8095 4811 BYKOPAH 4233 5552
5473	3-12	1056	S32	Al'fa-45 25966 MORGOChTYeC 1380 5426
5448	3-12	1059	S30	8S1Shch 80183 LYaZGOGROSh 5830 0928 (in the background a voice reading: XXX XXX WEGI WEGI 39096 RYBOWEDENIE 5461 7297 K)
5473	3-12	1102	S32	Al'fa-45 69034 PIKA 6650 5474
5448	3-12	1104	S30	8S1Shch 66986 GYeNYeTTIKA 9180 6924
5473	3-12	1106	S32	Al'fa-45 13025 OTYeKOPAKT 6025 9590
5448	3-12	1107	S30	8S1Shch 65464 LISTYeRSKIJ 9934 6553
5473	3-12	1110	S32	Al'fa-45 48385 POLYMYa 2292 3829
5448	3-12	1112	S30	8S1Shch 35402 KONDYeNSACIYa 7782 2320
5473	3-12	1115	S32	Al'fa-45 17890 VUZOZUB 8144 2753
5448	3-12	1220	S30	8S1Shch 17823 GASKONSKIJ 7714 3592
5473	3-12	1221	S32	Al'fa-45 66147 BOBODIYeT 8772 8335
4940	3-12	1223	---	Tros-28 ya Baron-78: Baklan - 37815 ZhYeRDYeVYeC 9250 6442 (unrelated network check audible in background)
5448	3-12	1237	S30	8S1Shch 14637 GUMUS 7546 4386
5473	3-12	1240	S32	Al'fa-45 13341 DIYeNOHYeR 2943 2366
5372	3-12	1249	---	N'ZhJ 27880 KOBAL'TIN 4542 4672
5372	3-12	1257	---	N'ZhJ 23627 MATINYe 6124 4367
5448	3-12	928	S30	8S1Shch ShchITONARY 160

5473	3-12	929	S32	Al'fa-45 ShchITONARY 160
4940	3-12	930	---	Tros-28 ya Baron-78 - Baklan: ShchITONARY 160
5372	3-12	945	---	Female operator counts the connection up, message read by male operator: N'ZhJ ShchITONARY 160 (followed by the S30 timestamp as usual despite 15 minute delay)
5448	4-12	1013	S30	8S1Shch 70917 MALAHAI 0850 0969
5473	4-12	1016	S32	Al'fa-45 34975 LYaRDOCIAK 0818 2852
4940	4-12	1021	---	Tros-28 ya Baron-78: Baklan - 34532 SPORIDIYa 4368 7024 - timestamp given corresponds to time initiating WEGI message was sent
5448	4-12	1021	S30	8S1Shch 09088 ZhYeMANNICA 6254 4959
5473	4-12	1024	S32	Al'fa-45 63998 PLYuShchYeN'Ye 6270 5745
5448	4-12	1027	S30	8S1Shch 46294 NARDOMYUL' 3693 7867
4940	4-12	1028	---	Tros-28 ya Baron-78: Baklan - 27480 SMYeHOTA 3969 6821
5473	4-12	1030	S32	Al'fa-45 21121 ChUMOTRAK 4854 2361
5448	4-12	1051	S30	8S1Shch 08873 APAShOZhLOB 8520 4710
5448	4-12	1054	S30	8S1Shch 08912 KOShOBLIN 9294 1702
5372	4-12	1057	---	N'ZhJ 77107 MEhROGLIF 2493 2842
5473	4-12	1100	S32	Al'fa-45 57773 BOGINYa 2854 2462
5448	4-12	1101	S30	8S1Shch 56772 DISKYeTKA 9686 6211
5473	4-12	1101	S32	Al'fa-45 20269 BRODOGRIB 7439 4673
5448	4-12	1104	S30	8S1Shch 66899 ZhMYHOVYJ 8037 2889
5473	4-12	1107	S32	Al'fa-45 93082 PUFOS'YeM 4663 7000
5473	4-12	1112	S32	Al'fa-45 92783 PRUTOVNOS 1907 9513 independent wheel message (not part of a chain), very uncommon
5448	4-12	1211	S30	8S1Shch 42405 GOLODNYJ 0276 0046
5473	4-12	1214	S32	Al'fa-45 58017 AULOBAL 6755 7647
5372	4-12	1233	---	N'ZhJ 93634 VISTROV 0089 5492
5448	4-12	1244	S30	8S1Shch 05378 IL'MYeN' 6976 5368
5473	4-12	1247	S32	Al'fa-45 50342 KLUBVYeST 6994 1385
4940	4-12	1252	---	Tros-28 ya Baron-78: Baklan - 05518 DAGAZACIYa 3274 7614
5448	7-12	1032	S30	8S1Shch 11586 GUGNIVYJ 4139 7667 ANUSOFAL 7392 1782 AZhURNYJ 0733 9229
5448	7-12	1033	S30	8S1Shch 76409 VOYaZhOShchUP 8591 4870
5473	7-12	1036	S32	Al'fa-45 80510 KLYeVOHAN 9803 5727
5473	7-12	1036	S32	Al'fa-45 82878 TRYeZVOST' 9065 4603 ShShOKOFR 2398 3706 SRYVORUMB 9007 8357
4940	7-12	1038	---	Tros-28 ya Baron-78: Bizon - 16672 RAZDYHANIYe 0470 0907 (first time hearing Bizon message type instead of Baklan message type)
4940	7-12	1040	---	Tros-28 ya Baron-78: Baklan - 91448 SOChYeL'NICA 9582 4593
5372	7-12	1048	---	N'ZhJ 83691 KOLOV'YuN 0710 8009 (ONG4 flash message audible on 5374 kHz)
5448	7-12	1049	S30	8S1Shch 92523 BYeSOPYeL 3370 4979 BOYeKOHRyUk 9925 4651 MYeChOTRYeP 7107 3806
5473	7-12	1053	S32	Al'fa-45 55854 KRYaZhOTYeST 4695 8406
5372	7-12	1057	---	N'ZhJ 07876 ZhYeSTKIJ 6570 9187
4940	7-12	1058	---	Tros-28 ya Baron-78: Baklan - 52110 DIYeTALAN 1082 6682
5448	7-12	1110	S30	8S1Shch 83738 DYaDYuShKIN 1148 7808 KAPOBRUS 4122 5783 KLYeKOT 0365 2357
5448	7-12	1113	S30	8S1Shch 22734 MASTIKA 7022 8656 ZAYaCOGORN 4455 1279
5473	7-12	1115	S32	Al'fa-45 57199 MAVROGAM 2049 5296
5473	7-12	1117	S32	Al'fa-45 35581 PIZhON 2483 6494
5473	7-12	1125	S32	Al'fa-45 60088 SYeR'YeZNOST' 0614 7791
5448	7-12	1128	S30	8S1Shch 25073 DYeRYeVNYa 3724 8245 KANDAGAR 7917 4539
5372	7-12	1141	---	N'ZhJ 8266 KRYePOPLASHch 8154 6633 (new format, 4fig header group)
5448	7-12	1249	S30	8S1Shch 28613 BYTOLYeS 1117 5390
5473	7-12	1253	S32	Al'fa-45 59055 IDYeOLOG 6432 3860
5448	9-12	1010	S30	AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1
6922	9-12	1035	S30	8S1Shch 56023 NORDOSYeT 5254 3403
5473	9-12	1039	S32	Al'fa-45 64332 EhTNOGRAFIYa 6640 8610
5372	9-12	1051	---	N'ZhJ 69080 BARDOFOT 4087 6180
5448	9-12	1104	S30	8S1Shch 53130 MYeTYeN'Ye 4862 8689
5473	9-12	1107	S32	Al'fa-45 34615 ROGATIN 0325 3816
5448	10-12	1020	S30	6I2Zh 8CSchJ 27Shch' NIDU 53OB 78MV DEAY JH'J 12CI 79AJ (8CSchJ read incorrectly as "8ShchShchJ", again someone with bad handwriting at pip!)
4940	10-12	1024	---	Tros-28 ya Baron-78: Vozduh Baklan - 98243 BOMBONA 5805 4421
5448	10-12	1042	S30	8S1Shch 80904 ZhLOBOKROT 0539 8707
4940	10-12	1047	---	Tros-28 ya Baron-78: Vozduh Baklan - 77812 BISKAYeC 1105 4203
5448	10-12	1112	S30	8S1Shch BYTOSTIH 6759
5473	10-12	1116	S32	Al'fa-45 BYTOSTIH 6759

4940	10-12	1118	---	Tros-28 ya Baron-78: Vozduh Baklan - BYTOSTIH 6759
5372	10-12	1133	---	N'ZhJ BYTOSTIH 6759
5448	10-12	1315	S30	pip off for several minutes but no modulation
5473	10-12	1318	S32	Al'fa-45 91283 SUHOTKA 0709 2272
4940	10-12	1320	---	Tros-28 ya Baron-78: Vozduh Baklan - 94950 PAOZYeRA 0780 7320
5372	10-12	1340	---	N'ZhJ 92511 KAYuKOKOVSh 7583 5149
5473	10-12	1944	S32	Al'fa-45 26441 UZHIMKA 1588 1790
5448	14-12	1049	S30	HCLF 61HZh ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P (same pool and order as March 2nd)

Recording: www.priyom.org/media/254627/baron-4940-20201208-1038z-bizon-bygwraspe.ogg

Russian military voice transmissions

Russian Military voice traffic

5260 kHz, 07-12, 1055 UTC

Gvozdika wkg stations Balkan, Borgia, Proton, Privit', Mustang and Masshif and passing initial info to work radiograms Rabotuyu 4510 Srezhu 5025 i 5

Recording: www.priyom.org/media/254644/gvozdika-5260usb-20201208-1055z-check-and-traffic-bygwraspe.ogg

4310 kHz, 14-12, 1001 UTC 1 2 3 4 5 6 7 8 9 10 Vozduh - Ohvat-98 14700 BLOKPOST 2087 7789

Russian Navy voice traffic

4940 kHz, 10-12, 1255 UTC. Russian navy, probably Black Sea Fleet

8303 1300 801 412 1400 801 421 1500 803 412 1600 800 416 / 8301 1600 801 415

Recording: www.priyom.org/media/254773/4940tochko5-20201210-1255z-bygwraspe.ogg

Russian Air Force / Naval Aviation voice traffic

5606 kHz, 03-12, 1210 UTC

Ground stations Marella (Moscow) and Sten (Saratov main) working flight 39210/receiving radiograms from flight 39210

Ground station "Limit" is Saratov-2 (Duga, Kedr, Limit etc. depending on season)

Recording: www.priyom.org/media/254327/lra-5606usb-20201203-1210z-marella-sten-39210-bygwraspe.ogg

5827 kHz, 04-12, 1245 UTC

Katolik (Saratov winter callsign) checking voice connection with flight 13743

Recording: <https://priyom.org/media/254484/katolik-5827usb-20201204-1245z-13743.ogg>

5827 kHz, 04-12, 1320 UTC

57147 calling Katolik & Balans

98888 calling Balans

5827 kHz, 04-12, 1453 UTC

57147 to Balans - 217 237 417 087 035

5827 kHz, 04-12, 1520 UTC

98888 to Balans - 731 110 789

5827 kHz, 04-12, 1530 UTC

57147 calling Dvojchatka (Moscow-2)

7 different flights speaking with Long Range Aviation grounds Katolik & Balans on Dec 9th : 98888, 30282, 30293, 13743, 85825, 09437, and 57141.

5827 kHz, 09-12, 1113 UTC

Ya Katolik ya Katolik, kto menya vyzivaet?

Ya Balans ya Balans, vas ne poluchayu

5827 kHz, 09-12, 1127 UTC

98888 to Katolik - 810 368 140 713 373 240

30293 to Balans - 042 214 373 207

5827 kHz, 09-12, 1132 UTC

57141 to Balans - 767 214 140 627 373 329

13743 to Balans - 042 237 373 651

5827 kHz, 09-12, 1139 UTC

85825 to Balans - 042 237 558

30292 to Balans - 042 214 373 558

5827 kHz, 09-12, 1212 UTC

Balans calling 33081, unanswered

98888 calling Balans, unanswered

5827 kHz, 09-12, 1230 UTC

85825 to Katolik - 380 160 931 343 838

5827 kHz, 09-12, 1455 UTC

09437 calls Balans and Katolik, Katolik responds

connection lost before information could be sent

8131 kHz, 09-12, 1502 UTC

09437 to Balans 810 565 872 790 468 643

connection reestablished but bad reception, message repeated 3 times before confirmed correct

Russian military morse transmissions**Russian military morse stations**

12741 kHz, 04-12, 1241 UTC

RDL RDL RDL 77956 56600 77956 56600 77956 56600 K

12741 kHz, 04-12, 1310 UTC

RDL RDL RDL 27401 00406 27401 00406 27401 00406 K

12741 kHz, 04-12, 1451 UTC

RDL RDL RDL 29631 72733 29631 72733 29631 72733 K

12152 kHz, 16-12, 0759 UTC, i.p.

WH2Y QTC

WH2Y QTC K

750 25 16 10 45 750 = ZYH 26 =

PPPPP LAAKP FZKKÖ WLJID DDPWE WLJID DDPWE WLJID DDPWE EVUTR 55995 TIC

WH2Y (restart group 11) HPPPH TICDO BKBD FALAV HCGRN MMLRW ÖBAKL TAVJL AIILL ESQAL BNBIC FEBUN ÄYPWW

RPT AL QLN K

MTZ4 MTZ4 MTZ4 QTC ++

MTZ4 MTZ4 MTZ4

376 23 16 11 02 376 = 492 =

DDDDD ESAEU ÖZOOP WÖLÖI ZGARM WÖLÖI ZGARM WÖLÖI ZGARM EDKHK

ÖJKCI SAPCE JVBVG SIMVÖ VRÖJN UPINV EDFFA EGLLH AAPFT VVEUF SVADC ÄYPWÄ K

RK RK RK RK

KCYO DE WH2Y K

RK RK

YGB8 K

WH2Y K

WH2Y QRV K

WH2Y R 324 K

DAF4 DE WH2Y K

WH2Y QSG2 ? K

WH2Y 27 24 16 11 27 = 826 =

PPPPP NRAOO KÖURL USBGL VCCSM USBGL VCCSM USBGL VCCSM KJMDO

WVÖAJ AEAWN FULQC CTNOP ÖRSDA GTKSL ZWQOR ILLTH HKBQU IVOLG ÄYPYW =

WH2Y RPT AA? K

WH2Y RPT AA ? K

VVV VVV WH2Y RPT AA

WH2Y (unreadable) = 32 3 16 11 19 832 = 826 =

00944 68600 12532 47050 87843 25500 63156 10226 44744 85537

23194 6T849 11058 48713 86369 24T2T 50081 99336 36993 77786 15443 160 K

M32a - Russian Navy

4635 kHz, 08-12, 1804 UTC, i.p.

595 = FOR RJH45 RJH74 RJD90 =

08 181 99657 10378 41498 52410 19020 40352 51000 70217 8 / / / 22232 00060 20101 08013 =

AR RAG58 K

9145 kHz, 11-12, 0952 UTC, i.p.

61703 71664 90913 51349 54429 85850 98385 81189 54923 00522

52115 59178 79491 48920 35720 74370 09069 33292 57017 67614

03084 9531 49073 62610 53611 00370 11851 =

RPT AL AR RIW K

OK AS K

RIW CK RCRE DE RIW K

RIW OK QYT4 QWH 6139 FOR RAA K

RCRE DE RIW K

RIW QYT4 QSA? K

RIW RK

M32b - Russian Naval Air Transport

8816 kHz, 12-12, 1035 UTC

RJF94 RJC38 DE 42119

QTO 1026 QRD XLMD XLLV QRE 1210 QBD 0500 K -

QTH 16554 13203 QTR 1130 QBD 0400 QBG 9750 QRE XLMD 1210 K

QQM XLMD 1208 SK

M32c - Russian Air Force

8112 kHz, 09-12, 1500 UTC

W marker

Russian Navy T600 traffic

6415 kHz, 29-12, 1743 UTC, T600

Sync 1414bebe952

Session Key 70 52 62 07 54 58 31 13 70 25 1c 64 68 34 23 64 51 68 25 07 19 54 2c 51 58 64

19 46 15 15 58 0b 15 0d 4c 0b 62 4c 58 51 58 34

23 23 70 1c 19 52 46 43 1a 4a 43 4c 32 26 0d 1a

70 15 2c 31 1a 1a 62 15 61 25 46 62 70 0d 32 51

2e 70 46 30 19 19 1a 46 43 25 52 0e 19 25 1a 07

70 16 23 38 70 23 2c 31 0b 68 2a 26 19 70 25 16

68 1a 34 26 31 32 13 1c 54 0e 23 13 70 12 58 16

13 46 64 52 0b 1c 62 0e 68 58 25 38 70 68 38 4a

51 70 64 4a 58 64 0d 25 46 19 1c 54 58 70 15 0e

51 25 61 23 0d 51 61 62 43 31 23 62 26 2c 68 23

0b 4c 70 2a 62 1a 62 0b 0d 2c 16 26 34 31 52 4c

64 2c 2c 15 43 19 52 15 38 19 0d 46 23 52 32 68

0b 0e 0d 52 15 23 58 0b 23 26 31 62 31 54 16 4a

2a 0e 52 2c 0b 32 0b 1c 52 54 32 1a 46 4a 13 23

0e 0d 25 46 38 1a 54 2c 62 0e 26 38 62 34 4c 54

51 51 64 58 0e 58 1c 32 0d 61 0b 2c 1a 64 68 62

62 70 58 26 23 51 38 19 68 25 25 61 46 25 07 26

13 32 26 2a 2a 1c 26 4a 64 0e 34 34 4c 2a 1a 51

70 51 31 38 26 51 34 64 23 61 1a 43 58 34 07 23

2c 31 25 26 32 4a 4c 61 25 16 64 1c 0d 1a 16 32

25 4a 38 54 52 25 54 4c 0b 54 70 64 25 31 1a 23

58 0d 0d 61 54 54 52 38 38 15 43 34 4c 32 32 46

64 25 70 23 15 07 31 62 34 4c 61 51 51 52 2a 70

0e 26 62 0e 38 1c 58 62 13 26 64 2c 64 19 4c 54

26 68 23 54 4a 0d 1a 1c 1c 1a 43 32 46 62 0e 25

23 43 2a 0d 31 13 46 2c 62 1c 32 2c 54 38 62 34

62 52 70 34 0d 46 1c 64 62 51 61 07 2c 1a 46 0b

38 61 31 31 0e 26 38 1c 15 70 4a 58 0b 31 51 38

26 68 62 28 00 04 15 13 12 62 2c 0a 52 19 62 0d

4c 26 23 1c 26 25 1a 52 54 07 64 25 16 4a 2c 46

19 34 0e 64 32 64 19 0b 46 70 4c 19 34 16 32 34

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

6415 kHz, 29-12, 1748 UTC, T600

Sync 1414bebe952

Session Key 4a 26 62 51 2c 43 0e 51 13 0b 52 0b 25 23 0e 51 70 62 04 52 15 15 68 23 32
62 1a 70 13 51 16 52 0b 34 23 64 43 1a 54 62 68
32 0d 31 51 62 19 23 51 2a 46 68 61 26 68 51 52
38 58 <EOM><EOM><EOM>

6415 kHz, 29-12, 1748 UTC, T600

Sync 1414bebe952

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

6415 kHz, 29-12, 1748 UTC, T600

Sync 1414bebe952

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

CONTRIBUTORS

AB	Ary Boender, Netherlands	FT-POL	Frank Thierry viz remote rx Poland
AB-FIN	Ary Boender via remote rx Finland	Geoff	Geoff
AB-GRC	Ary Boender via remote rx Greece	GHn	Gary Hagermann, UK
AB-J	Ary Boender via remote rx Japan	Gwr	Gwraspé
AB-KOR	Ary Boender via remote rx South Korea	HFD	Hans-Friedrich Dumrese, Germany
AB-KWT	Ary Boender via remote rx Kuwait	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-PHL	Ary Boender via remote rx Philippines	HK	Hiroyuki Komatsubara, Japan
AB-POL	Ary Boender via remote rx Poland	JPL	JPL, NB, Canada (and various remote rx)
AB-ROU	Ary Boender via remote rx Romania	JPL-HK	JPL via remote rx Hong Kong
AB-RUS	Ary Boender via remote rx Russia	JPL-RUS	JPL via remote rx Russia
AB-TWN	Ary Boender via remote rx Taiwan	MDK2	MDK2, USA
Dan	Daniel LU5EMM, Argentina	MPJ	Jim, SW England
Dan-CHN	Daniel LU5EMM via remote rx China	MPJ-AUT	Jim via remote rx Austria
Danix	Danix, Poland	MPJ-HNG	Jim via remote rx Hungary
Dan-J	Daniel LU5EMM via remote rx Japan	MPJ-HOL	Jim via remote rx Netherlands
DMS	Dave moonlight0551, Sydney, Australia	MPJ-POL	Jim via remote rx Poland
ER	Ernie Rice, OH, USA	MPJ-RUS	Jim via remote rx Russia
ER-HOL	Ernie Rice via remote rx the Netherlands	RL	Roberto Landolpho, Brazil
EW	Eddy Waters, Australia	RR2	Rich Ray, IL, USA
F50IH	Vincent Lecler, France	SP1	Sylvain, France
FT	Frank Thierry	Tom	Tom, Lincs, UK
FT-AUS	Frank Thierry viz remote rx Australia		

LOGS SECTION

The logs are sorted on designator, date and time.

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	5372	1-12	1118	Tue	N'ZhJ 42069 BORYeJ 1372 0027	USB	(Gwr)
---	5372	1-12	1126	Tue	N'ZhJ 28914 NUKLON 5841 3411	USB	(Gwr)
---	5372	1-12	1143	Tue	N'ZhJ 92621 NYeMIRNYJ 9792 7594	USB	(Gwr)
---	8134	1-12	1243	Tue	SALUT LES GARS C EST MOI 1234567890	CW	(AB)
---	5372	1-12	1246	Tue	N'ZhJ 47042 LIDSODAR 0170 3944	USB	(Gwr)
---	4940	1-12	1255	Tue	Tros-28 ya Baron-78 - Vozduh, Baklan: 35164 STONAVA 8585 3193	USB	(Gwr)
---	5372	1-12	1312	Tue	N'ZhJ 78245 OBRAZOK 5989 8160	USB	(Gwr)
---	8134	2-12	0825	Wed	SALUT LES GARS C EST MOI 1234567890	CW	(AB)
---	5372	2-12	1102	Wed	N'ZhJ 37037 DRUGOPLYeS 3938 3326 DIMOTVIN 0055 5818	USB	(Gwr)
---	5372	2-12	1130	Wed	N'ZhJ 10239 KAMPUS 4984 2240 very similar follow-up groups to following message	USB	(Gwr)
---	5372	2-12	1130	Wed	N'ZhJ 68829 KOMFORACIYa 2408 5132	USB	(Gwr)
---	5372	2-12	1131	Wed	N'ZhJ 09224 IZyUMOPIRS 4934 2240 very similar follow-up groups to following message	USB	(Gwr)
---	4940	2-12	1254	Wed	Tros-28 ya Baron-78 - Baklan: 48550 BASYeLYeI 8668 8317	USB	(Gwr)
---	8134	2-12	1510	Wed	0055005	CW	(AB)
---	8134	3-12	0558	Thu	0055005	CW	(AB)
---	5372	3-12	1029	Thu	N'ZhJ 73315 KINOZhURNAL 6562 1771	USB	(Gwr)
---	4940	3-12	1031	Thu	Tros-28 ya Baron-78: Baklan - 02975 NAPA HANNYJ 5377 1070	USB	(Gwr)
---	5372	3-12	1048	Thu	N'ZhJ 12330 ZAPLAKANNYJ 4907 2046	USB	(Gwr)
---	5372	3-12	1049	Thu	N'ZhJ 84715 MOTOMS'Ye 8864 0922	USB	(Gwr)
---	4940	3-12	1223	Thu	Tros-28 ya Baron-78: Baklan - 37815 ZhYeRDYeVYeC 9250 6442 (unrelated network check audible in back-ground)	USB	(Gwr)
---	5372	3-12	1249	Thu	N'ZhJ 27880 KOBAL'TIN 4542 4672	USB	(Gwr)
---	5372	3-12	1257	Thu	N'ZhJ 23627 MATINYe 6124 4367	USB	(Gwr)
---	4940	3-12	0930	Thu	Tros-28 ya Baron-78 - Baklan: ShchITONARY 160	USB	(Gwr)
---	5372	3-12	0945	Thu	Female operator counts the connection up, message read by male operator: N'ZhJ ShchITONARY 160 (followed by the S30 timestamp as usual despite 15 minute delay)	USB	(Gwr)
---	8134	4-12	0507	Fri	O	CW	(AB)
---	4940	4-12	1021	Fri	Tros-28 ya Baron-78: Baklan - 34532 SPORIDIYa 4368 7024 - timestamp given corresponds to time initiating WEGI message was sent	USB	(Gwr)
---	4940	4-12	1028	Fri	Tros-28 ya Baron-78: Baklan - 27480 SMYeHOTA 3969 6821	USB	(Gwr)
---	5372	4-12	1057	Fri	N'ZhJ 77107 MEhROGLIF 2493 2842	USB	(Gwr)
---	5372	4-12	1233	Fri	N'ZhJ 93634 VISTROV 0089 5492	USB	(Gwr)
---	4940	4-12	1252	Fri	Tros-28 ya Baron-78: Baklan - 05518 DAGAZACIYa 3274 7614	USB	(Gwr)
---	8134	4-12	1625	Fri	S	CW	(AB)
---	8134	5-12	0457	Sat	O	CW	(AB)
---	4735	5-12	0800	Sat	VVV VVV PROMRO = 05 12 = 1000 0620 0250 0830 1240 ... 0800 0540 0200 0730 1110 = AR	CW	(AB-ROU)
---	8134	6-12	0747	Sun	O	CW	(AB)
---	4940	7-12	1038	Mon	Tros-28 ya Baron-78: Bizon - 16672 RAZDYHANIYe 0470 0907 (first time hearing Bizon message type instead of Baklan message type)	USB	(Gwr)
---	4940	7-12	1040	Mon	Tros-28 ya Baron-78: Baklan - 91448 SOChYeL'NICA 9582 4593	USB	(Gwr)
---	5372	7-12	1048	Mon	N'ZhJ 83691 KOLOV'YuN 0710 8009 (ONG4 flash message audible on 5374 kHz)	USB	(Gwr)

---	5260	7-12	1055	Mon	Gvozhdika wkg Balkan, Borgia, Proton, Privit', Mustang and Masshif and passing initial info to work radio-grams Rabotuyu 4510 Srezhu 5025 i 5	USB	(Gwr)
---	5372	7-12	1057	Mon	N'ZhJ 07876 ZhYeSTKIJ 6570 9187	USB	(Gwr)
---	4940	7-12	1058	Mon	Tros-28 ya Baron-78: Baklan - 52110 DIYeTALAN 1082 6682	USB	(Gwr)
---	5372	7-12	1141	Mon	N'ZhJ 8266 KRYePOPLASHch 8154 6633 (new format, 4fig header group)	USB	(Gwr)
---	4640	7-12	1350	Mon	Perma-84: ZOK ZVG ZLS Grom 08 Variant 1	USB	(Gwr)
---	4735	9-12	0800	Wed	VVVVV PROMRO = 09 12 = 1000 0610 0250 0820 1230 ... 0800 0520 0200 0710 1080 = AR. Error in both runs: 2800 hrs instead of 1800 hrs	CW	(AB-ROU)
---	5372	9-12	1051	Wed	N'ZhJ 69080 BARDOFOT 4087 6180	USB	(Gwr)
---	4940	10-12	1024	Thu	Tros-28 ya Baron-78: Vozduh Baklan - 98243 BOMBONA 5805 4421	USB	(Gwr)
---	4940	10-12	1047	Thu	Tros-28 ya Baron-78: Vozduh Baklan - 77812 BISKAYeC 1105 4203	USB	(Gwr)
---	4940	10-12	1118	Thu	Tros-28 ya Baron-78: Vozduh Baklan - BYTOSTIH 6759	USB	(Gwr)
---	5372	10-12	1133	Thu	N'ZhJ BYTOSTIH 6759	USB	(Gwr)
---	4940	10-12	1320	Thu	Tros-28 ya Baron-78: Vozduh Baklan - 94950 PAOZYeRA 0780 7320	USB	(Gwr)
---	5372	10-12	1340	Thu	N'ZhJ 92511 KAYuKOKOVSh 7583 5149	USB	(Gwr)
---	4735	13-12	0800	Sun	VVV VVV PROMRO = 13 12 = 1000 0600 0250 0800 1210 ... 0800 0510 0200 0690 1040 = AR	CW	(AB-ROU)
---	4310	14-12	1001	Mon	1-10 Vozduh - Ohvat-98 14700 BLOKPOST 2087 7789	USB	(Gwr)
---	4735	17-12	0800	Thu	VVV VVV PROMRÍ = 17 12 = 1000 0600 0250 0810 1220 ... 0800 0500 0200 0680 1020 = AR	CW	(AB-GRC)
---	7055	17-12	1141	Thu	Russian-Ukrainian radio war	LSB	(AB)
---	4735	18-12	0803	Fri	Late start. Poor keying. No ABV sent. VVV VVV PROMRO = 1812 = 1000 0620 0250 0820 1230 ... 0800 0500 0200 0670 1010 = AR	CW	(AB-ROU)
---	4735	20-12	0801	Sun	Sent 4x instead of 2x. VVVVV PROMRO = 20 12 = 1000 0590 0250 0780 1220 ... 0800 0490 0200 0660 1000 = AR	CW	(AB-ROU)
---	7050	21-12	0956	Mon	Russian-Ukrainian radio war	LSB	(AB)
---	7055	21-12	0956	Mon	Russian-Ukrainian radio war	LSB	(AB)
---	4735	24-12	0800	Thu	VVVVV PROMRO = 2412 = 1000 0620 0260 0820 1230 ... 0800 0490 0200 0660 1000 = AR	CW	(AB-ROU)
---	4735	26-12	0800	Sat	VVVVV PROMRO = 26 12 = 1000 0590 0250 0810 1220 ... 0800 0490 0200 0660 1000 = AR	CW	(AB-ROU)
---	4735	27-12	0801	Sun	VVV VVV PROMRO = 27 12 = 1000 0590 0250 0810 1220 ... 0800 0490 0200 0660 1000 = AR	CW	(AB-ROU)
---	4735	28-12	0800	Mon	VVVVV PROMRO = 28 12 = 1000 0610 0260 0820 1230 ... 0800 0500 0200 0670 1000 = AR	CW	(AB-ROU)
---	7055	28-12	0956	Mon	Russian-Ukrainian radio war	LSB	(AB)
---	7050	28-12	0957	Mon	Russian-Ukrainian radio war	LSB	(AB)
---	4310	29-12	1214	Tue	Goose. Russian military channel marker	USB	(FT-POL)
---	7050	30-12	0717	Wed	Russian-Ukrainian radio war	LSB	(AB)
---	4735	30-12	0800	Wed	VVVVV PROMRO = 30 12 = 1000 0600 0250 0820 1230 ... 0800 0490 0200 0560 1000 = AR	CW	(AB-ROU)
---	4735	31-12	0800	Thu	VVVVV PROMRO = 3112 = 1000 0590 0250 0810 1230 ... 0800 0490 0200 0660 1000 = AR	CW	(AB-ROU)
---	7055	31-12	1109	Thu	Russian-Ukrainian radio war	LSB	(AB)
DPRK	10555	9-12	0844	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	11-12	0802	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	17-12	1307	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12100	17-12	1308	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	23-12	1233	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12223	24-12	1204	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	24-12	1205	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12208	24-12	1205	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12202	30-12	0740	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	30-12	0740	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	14575	3-12	0600	Thu	923 574 61 32888 89374 36671 ... 48034 43981 36472 574 61 00000	USB	(AB-RUS)

E06	17420	3-12	0700	Thu	923 574 61 32888 89374 36671 ... 48034 43981 36472 574 61 00000	USB	(AB-RUS)
E06	14575	4-12	0600	Fri	923 574 61 32888 89374 36671 ... 48034 43981 36472 574 61 00000	USB	(AB-RUS)
E06	17420	4-12	0700	Fri	923 574 61 32888 89374 36671 ... 48034 43981 36472 574 61 00000	USB	(AB-RUS/HFD)
E06	14654	17-12	0300	Thu	361 708 45 4013. ...	USB	(HFD)
E06	14575	17-12	0600	Thu	923 854 61 64261 62147 77668 ... 21601 27070 42794 854 61 00000	USB	(AB-POL)
E06	17420	17-12	0700	Thu	923 854 61 64261 62147 77668 ... 21601 27070 42794 854 61 00000	USB	(AB-POL)
E06	14575	18-12	0600	Fri	923 854 61 64261 62147 77668 ... 21601 27070 42794 854 61 00000	USB	(AB-RUS)
E06	17420	18-12	0700	Fri	923 854 61 64261 62147 77668 ... 21601 27070 42794 854 61 00000	USB	(AB-RUS)
E07	14364	1-12	0700	Tue	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB/HFD)
E07	14964	1-12	0720	Tue	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB/HFD)
E07	15964	1-12	0740	Tue	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB/HFD)
E07	6771	2-12	1800	Wed	785 785 785 000	USB	(AB)
E07	5871	2-12	1820	Wed	785 785 785 000	USB	(AB)
E07	6823	2-12	2000	Wed	881 881 881 000	USB	(AB/HFD)
E07	5823	2-12	2020	Wed	881 881 881 000	USB	(AB/HFD)
E07	10226	3-12	1410	Thu	674 674 674 000	USB	(AB/ER/GHn/MPJ)
E07	9226	3-12	1430	Thu	674 674 674 000	USB	(AB/ER/MPJ)
E07	14364	4-12	0700	Fri	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB)
E07	14964	4-12	0720	Fri	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB)
E07	15964	4-12	0740	Fri	399 399 399 1 9417 92 9417 92 38221 25085 70727 ... 83255 93171 29481 000 000	USB	(AB)
E07	9143	5-12	1400	Sat	116 116 116 000	USB	(AB/MPJ/HFD)
E07	10226	5-12	1410	Sat	674 674 674 000	USB	(AB/MPJ/HFD)
E07	8143	5-12	1420	Sat	116 116 116 000	USB	(AB/MPJ/HFD)
E07	9226	5-12	1430	Sat	674 674 674 000	USB	(AB/MPJ/HFD)
E07	9326	6-12	0700	Sun	345 345 345 000	USB	(AB/HFD)
E07	10426	6-12	0720	Sun	345 345 345 000	USB	(AB/HFD)
E07	6771	6-12	1800	Sun	785 785 785 000	USB	(AB/MPJ/HFD)
E07	5871	6-12	1820	Sun	785 785 785 000	USB	(AB/MPJ/HFD)
E07	6823	7-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	7-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	8-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	8-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	9-12	1800	Wed	785 785 785 000	USB	(AB)
E07	5871	9-12	1820	Wed	785 785 785 000	USB	(AB)
E07	6823	9-12	2000	Wed	881 881 881 000	USB	(AB)
E07	5823	9-12	2020	Wed	881 881 881 000	USB	(AB/RL)
E07	10226	10-12	1410	Thu	674 674 674 000	USB	(AB/MPJ)
E07	9226	10-12	1430	Thu	674 674 674 000	USB	(AB/MPJ)
E07	14364	11-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	11-12	0720	Fri	399 399 399 000	USB	(AB)
E07	9143	12-12	1400	Sat	116 116 116 000	USB	(AB/RL)
E07	10226	12-12	1410	Sat	674 674 674 000	USB	(AB)
E07	8143	12-12	1420	Sat	116 116 116 000	USB	(AB/RL)
E07	9226	12-12	1430	Sat	674 674 674 000	USB	(AB)
E07	9326	13-12	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	13-12	0720	Sun	345 345 345 000	USB	(AB)
E07	6771	13-12	1800	Sun	785 785 785 000	USB	(AB)

E07	5871	13-12	1820	Sun	785 785 785 000	USB	(AB)
E07	6823	14-12	2000	Mon	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	5823	14-12	2020	Mon	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	5123	14-12	2040	Mon	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	14364	15-12	0700	Tue	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB-KWT)
E07	14964	15-12	0720	Tue	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB)
E07	15964	15-12	0740	Tue	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB)
E07	6771	16-12	1800	Wed	785 785 785 000	USB	(AB)
E07	5871	16-12	1820	Wed	785 785 785 000	USB	(AB)
E07	6823	16-12	2000	Wed	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	5823	16-12	2020	Wed	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	5123	16-12	2040	Wed	881 881 881 1 438 93 438 93 01260 54326 13926 ... 87719 68411 62096 000 000	USB	(AB)
E07	10226.9	17-12	1410	Thu	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000. Off frequency	USB	(AB)
E07	9226.9	17-12	1430	Thu	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000. Off frequency	USB	(AB)
E07	8126	17-12	1450	Thu	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000	USB	(AB)
E07	14364	18-12	0700	Fri	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB)
E07	14964	18-12	0720	Fri	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB)
E07	15964	18-12	0740	Fri	399 399 399 1 137 58 137 58 62714 85751 26106 ... 30171 37452 92961 000 000	USB	(AB)
E07	9143	19-12	1400	Sat	116 116 116 000	USB	(AB/MPJ)
E07	10226	19-12	1410	Sat	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000	USB	(AB/MPJ)
E07	8143	19-12	1420	Sat	116 116 116 000	USB	(AB/MPJ)
E07	9226	19-12	1430	Sat	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000	USB	(AB/MPJ)
E07	8126	19-12	1450	Sat	674 674 674 1 381 25 381 25 30493 92925 57994 ... 91906 16608 54184 000 000	USB	(AB/MPJ)
E07	9326	20-12	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	20-12	0720	Sun	345 345 345 000	USB	(AB)
E07	6771	20-12	1800	Sun	785 785 785 000	USB	(AB)
E07	5871	20-12	1820	Sun	785 785 785 000	USB	(AB)
E07	6823	21-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	21-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	22-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	22-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	23-12	1800	Wed	785 785 785 000	USB	(AB/MPJ)
E07	5871	23-12	1820	Wed	785 785 785 000	USB	(AB/MPJ)
E07	6823	23-12	2000	Wed	881 881 881 000	USB	(AB)
E07	5823	23-12	2020	Wed	881 881 881 000	USB	(AB/RL)
E07	10226	24-12	1410	Thu	674 674 674 000	USB	(AB)
E07	9226	24-12	1430	Thu	674 674 674 000	USB	(AB)
E07	14364	25-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	25-12	0720	Fri	399 399 399 000	USB	(AB)
E07	9143	26-12	1400	Sat	116 116 116 000	USB	(AB)
E07	10226	26-12	1410	Sat	674 674 674 000	USB	(AB)
E07	8143	26-12	1420	Sat	116 116 116 000	USB	(AB)
E07	9226	26-12	1430	Sat	674 674 674 000	USB	(AB)
E07	9326	27-12	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	27-12	0720	Sun	345 345 345 000	USB	(AB)
E07	6771	27-12	1800	Sun	785 785 785 000	USB	(AB)
E07	5871	27-12	1820	Sun	785 785 785 000	USB	(AB)

E07	6823	28-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	28-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	29-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	29-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	30-12	1800	Wed	785 785 785 000	USB	(AB/MPJ)
E07	5871	30-12	1820	Wed	785 785 785 000	USB	(AB/MPJ)
E07	6823	30-12	2000	Wed	881 881 881 000	USB	(AB)
E07	5823	30-12	2020	Wed	881 881 881 000	USB	(AB)
E07	10226	31-12	1410	Thu	674 674 674 000	USB	(AB)
E07	9226	31-12	1430	Thu	674 674 674 000	USB	(AB)
E07a	5877	2-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	2-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	3-12	0530	Thu	198 198 198 000	USB	(AB)
E07a	5811	3-12	0550	Thu	198 198 198 000	USB	(AB)
E07a	5887	4-12	1610	Fri	830 830 830 000	USB	(AB/MPJ/HFD)
E07a	5387	4-12	1630	Fri	830 830 830 000	USB	(AB/MPJ/HFD)
E07a	11121	5-12	0900	Sat	124 124 124 000	USB	(AB/HFD)
E07a	12221	5-12	0920	Sat	124 124 124 000	USB	(AB/HFD)
E07a	5877	9-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	9-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	10-12	0530	Thu	198 198 198 000	USB	(AB)
E07a	5811	10-12	0550	Thu	198 198 198 000	USB	(AB)
E07a	5887	11-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	11-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	11121	12-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	12-12	0920	Sat	124 124 124 000	USB	(AB/RL)
E07a	5877	16-12	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	16-12	2120	Wed	825 825 825 000	USB	(AB/RL)
E07a	5111	17-12	0530	Thu	198 198 198 000	USB	(AB)
E07a	5811	17-12	0550	Thu	198 198 198 000	USB	(AB)
E07a	5887	18-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	18-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	11121	19-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	19-12	0920	Sat	124 124 124 000	USB	(AB)
E07a	5877	23-12	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	23-12	2120	Wed	825 825 825 000	USB	(AB/RL)
E07a	5111	24-12	0530	Thu	198 198 198 000	USB	(AB)
E07a	5811	24-12	0550	Thu	198 198 198 000	USB	(AB)
E07a	5887	25-12	1610	Fri	830 830 830 000	USB	(AB)
E07a	5387	25-12	1630	Fri	830 830 830 000	USB	(AB)
E07a	11121	26-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	26-12	0920	Sat	124 124 124 000	USB	(AB)
E07a	5877	30-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	30-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	31-12	0530	Thu	198 198 198 000	USB	(AB)
E07a	5811	31-12	0550	Thu	198 198 198 000	USB	(AB)
E11	6804	1-12	0700	Tue	576/00	USB	(AB)

E11	9130	1-12	0715	Tue	636/00	USB	(AB)
E11	13908	1-12	0745	Tue	228/00	USB	(AB)
E11	14611	1-12	0820	Tue	133/00	USB	(AB)
E11	12089	1-12	0845	Tue	155/00	USB	(AB)
E11	8597	1-12	1000	Tue	306/00	USB	(AB)
E11	6433	1-12	1205	Tue	468/00	USB	(AB)
E11	13363	1-12	1345	Tue	912/00	USB	(AB/MPJ)
E11	11450	2-12	0640	Wed	946/00	USB	(AB)
E11	17378	2-12	0745	Wed	343/00	USB	(AB-POL)
E11	14611	2-12	0820	Wed	133/00	USB	(AB-POL)
E11	12067	2-12	0845	Wed	716/00	USB	(AB)
E11	8597	2-12	0900	Wed	538/00	USB	(AB)
E11	7469	2-12	0930	Wed	270/00	USB	(AB)
E11	7984	2-12	1045	Wed	696/00	USB	(AB)
E11	6433	2-12	1205	Wed	469/00	USB	(AB/MPJ)
E11	5082	2-12	1625	Wed	974/00	USB	(AB/GHn/MPJ)
E11	4505	2-12	1705	Wed	391/00	USB	(AB/GHn/MPJ)
E11	13908	3-12	0745	Thu	228/00	USB	(AB-POL)
E11	12089	3-12	0845	Thu	159/00	USB	(AB)
E11	7469	3-12	0930	Thu	277/00	USB	(AB)
E11	5409	3-12	1530	Thu	268/00	USB	(AB/GHn/MPJ)
E11	5779	3-12	1730	Thu	410/00	USB	(MPJ)
E11	6849	3-12	1900	Thu	648/00	USB	(AB/MPJ)
E11	6280	4-12	0435	Fri	351/00	USB	(AB)
E11	6804	4-12	0700	Fri	574/00	USB	(AB)
E11	9130	4-12	0715	Fri	630/00	USB	(AB)
E11	17378	4-12	0745	Fri	349/00	USB	(AB-POL)
E11	12424	4-12	0830	Fri	182/00	USB	(AB)
E11	8597	4-12	1000	Fri	306/00	USB	(AB)
E11	5082	4-12	1530	Fri	521/00	USB	(AB/GHn/MPJ)
E11	6849	4-12	1650	Fri	926/00	USB	(AB/MPJ)
E11	10487	4-12	1910	Fri	612/00	USB	(MPJ)
E11	4505	5-12	0710	Sat	491/00	USB	(AB)
E11	4909	5-12	0805	Sat	319/00	USB	(AB)
E11	13363	5-12	1345	Sat	917/00	USB	(AB/MPJ)
E11	4505	5-12	1705	Sat	390/00	USB	(AB/MPJ)
E11	4909	5-12	1930	Sat	363/00	USB	(AB)
E11	4505	6-12	0710	Sun	497/00	USB	(AB)
E11	4909	6-12	0805	Sun	316/00	USB	(AB)
E11	5082	6-12	1625	Sun	970/00	USB	(AB/MPJ)
E11	6849	6-12	1650	Sun	920/00	USB	(AB/MPJ)
E11	12924	6-12	1745	Sun	249/00	USB	(AB-POL)
E11	10487	6-12	1910	Sun	611/00	USB	(AB-POL/MPJ-POL)
E11	4909	6-12	1930	Sun	365/00	USB	(AB/MPJ)
E11	4909	7-12	0450	Mon	415/00	USB	(AB)
E11	11450	7-12	0640	Mon	944/00	USB	(AB)
E11	12424	7-12	0830	Mon	184/00	USB	(AB)

E11	7984	7-12	1045	Mon	690/00	USB	(AB)
E11	5082	7-12	1530	Mon	525/00	USB	(AB)
E11	12924	7-12	1745	Mon	242/00	USB	(AB)
E11	7840	8-12	0645	Tue	510/00	USB	(AB)
E11	6804	8-12	0700	Tue	571/00	USB	(AB)
E11	9130	8-12	0715	Tue	630/00	USB	(AB)
E11	12089	8-12	0845	Tue	154/00	USB	(AB/HFD)
E11	8597	8-12	1000	Tue	300/00	USB	(AB)
E11	6433	8-12	1205	Tue	463/00	USB	(AB/MPJ)
E11	5344	8-12	1605	Tue	238/00	USB	(AB/GHn/MPJ)
E11	11450	9-12	0640	Wed	945/00	USB	(AB)
E11	17378	9-12	0745	Wed	342/00	USB	(AB-POL)
E11	7469	9-12	0930	Wed	270/00	USB	(AB)
E11	7984	9-12	1045	Wed	690/00	USB	(AB)
E11	6433	9-12	1205	Wed	465/00	USB	(AB)
E11	5082	9-12	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	4505	9-12	1705	Wed	396/00	USB	(AB/MPJ)
E11	7840	10-12	0645	Thu	519/00	USB	(AB)
E11	5149	10-12	0820	Thu	434/00	USB	(AB)
E11	12089	10-12	0845	Thu	151/00	USB	(AB)
E11	7469	10-12	0930	Thu	278/00	USB	(AB)
E11	5779	10-12	1730	Thu	416/00	USB	(AB/MPJ)
E11	6804	11-12	0700	Fri	575/00	USB	(AB)
E11	9130	11-12	0715	Fri	630/00	USB	(AB)
E11	17378	11-12	0745	Fri	344/00	USB	(AB-POL)
E11	5149	11-12	0820	Fri	434/00	USB	(AB)
E11	12424	11-12	0830	Fri	181/00	USB	(RL)
E11	8597	11-12	1000	Fri	300/00	USB	(AB)
E11	5082	11-12	1530	Fri	528/00	USB	(AB/MPJ)
E11	10487	11-12	1910	Fri	613/00	USB	(MPJ)
E11	4909	12-12	0805	Sat	319/00	USB	(AB)
E11	4505	12-12	1705	Sat	396/00	USB	(AB)
E11	4909	13-12	0805	Sun	313/00	USB	(AB)
E11	5344	13-12	1605	Sun	233/00	USB	(AB/MPJ)
E11	5082	13-12	1625	Sun	977/00	USB	(AB/MPJ)
E11	12924	13-12	1745	Sun	245/00	USB	(MPJ-POL)
E11	10487	13-12	1910	Sun	613/00	USB	(AB-POL/MPJ-POL)
E11	4909	14-12	0450	Mon	415/00	USB	(AB/HFD)
E11	10213	14-12	0745	Mon	267/00	USB	(AB)
E11	12067	14-12	0845	Mon	718/00	USB	(AB)
E11	8597	14-12	0900	Mon	538/00	USB	(AB)
E11	5082	14-12	1530	Mon	524/00	USB	(AB)
E11	6849	14-12	1900	Mon	647/00	USB	(AB/MPJ)
E11	7840	15-12	0645	Tue	514/00	USB	(AB)
E11	7840	15-12	0645	Tue	514/00	USB	(HFD)
E11	6804	15-12	0700	Tue	577/00	USB	(AB)
E11	13908	15-12	0745	Tue	227/00	USB	(AB)

E11	14611	15-12	0820	Tue	138/00	USB	(AB)
E11	12089	15-12	0845	Tue	155/00	USB	(AB)
E11	13363	15-12	1345	Tue	919/00	USB	(AB/MPJ)
E11	5344	15-12	1605	Tue	232/00	USB	(AB/GHn/MPJ)
E11	5779	16-12	0315	Wed	255/00	USB	(AB)
E11	5779	16-12	0315	Wed	255/00	USB	(HFD)
E11	14611	16-12	0820	Wed	131/00	USB	(AB-POL)
E11	12067	16-12	0845	Wed	719/00	USB	(AB)
E11	8597	16-12	0900	Wed	530/00	USB	(AB)
E11	7469	16-12	0930	Wed	270/00	USB	(AB)
E11	5082	16-12	1625	Wed	977/00	USB	(MPJ)
E11	5779	17-12	0315	Thu	250/00	USB	(AB)
E11	7840	17-12	0645	Thu	515/00	USB	(AB)
E11	13908	17-12	0745	Thu	228/00	USB	(AB)
E11	5149	17-12	0820	Thu	431/00	USB	(AB)
E11	12089	17-12	0845	Thu	157/00	USB	(AB)
E11	7469	17-12	0930	Thu	279/00	USB	(AB)
E11	5409	17-12	1530	Thu	264/00	USB	(AB/MPJ)
E11	5779	17-12	1730	Thu	416/00	USB	(AB)
E11	6849	17-12	1900	Thu	643/00	USB	(AB-POL/MPJ)
E11	6280	18-12	0435	Fri	358/00	USB	(AB)
E11	6804	18-12	0700	Fri	573/00	USB	(AB)
E11	5149	18-12	0820	Fri	434/00	USB	(AB)
E11	5082	18-12	1530	Fri	521/00	USB	(AB/MPJ)
E11	6849	18-12	1650	Fri	924/00	USB	(AB/MPJ)
E11	4505	19-12	0710	Sat	490/00	USB	(AB)
E11	4909	19-12	0805	Sat	315/00	USB	(AB)
E11	13363	19-12	1345	Sat	911/00	USB	(AB/MPJ)
E11	4909	19-12	1930	Sat	364/00	USB	(AB)
E11	6280	20-12	0435	Sun	358/00	USB	(AB)
E11	4505	20-12	0710	Sun	495/00	USB	(AB)
E11	4909	20-12	0805	Sun	310/00	USB	(AB)
E11	5344	20-12	1605	Sun	232/00	USB	(AB/MPJ)
E11	5082	20-12	1625	Sun	974/00	USB	(AB/MPJ)
E11	6849	20-12	1650	Sun	921/00	USB	(AB)
E11	4909	20-12	1930	Sun	365/00	USB	(AB/MPJ)
E11	11450	21-12	0640	Mon	944/00	USB	(AB)
E11	10213	21-12	0745	Mon	261/00	USB	(AB)
E11	12424	21-12	0830	Mon	188/00	USB	(AB)
E11	12067	21-12	0845	Mon	710/00	USB	(AB)
E11	8597	21-12	0900	Mon	532/00	USB	(AB)
E11	7984	21-12	1045	Mon	693/00	USB	(AB)
E11	12924	21-12	1745	Mon	242/00	USB	(AB/MPJ)
E11	6849	21-12	1900	Mon	647/00	USB	(AB/MPJ)
E11	7840	22-12	0645	Tue	517/00	USB	(AB)
E11	9130	22-12	0715	Tue	639/00	USB	(AB)
E11	13908	22-12	0745	Tue	221/00	USB	(AB)

E11	14611	22-12	0820	Tue	130/00	USB	(AB)
E11	8597	22-12	1000	Tue	300/00	USB	(AB)
E11	6433	22-12	1205	Tue	464/00	USB	(AB)
E11	13363	22-12	1345	Tue	917/00	USB	(AB/MPJ)
E11	5344	22-12	1605	Tue	238/00	USB	(AB/MPJ)
E11	5779	23-12	0315	Wed	256/00	USB	(AB)
E11	11450	23-12	0640	Wed	949/00	USB	(AB)
E11	17378	23-12	0745	Wed	342/00	USB	(AB-POL)
E11	14611	23-12	0820	Wed	136/00	USB	(AB-POL)
E11	12067	23-12	0845	Wed	719/00	USB	(AB)
E11	8597	23-12	0900	Wed	533/00	USB	(AB)
E11	7984	23-12	1045	Wed	698/00	USB	(AB)
E11	6433	23-12	1205	Wed	460/00	USB	(AB)
E11	4505	23-12	1705	Wed	399/00	USB	(AB)
E11	5779	24-12	0315	Thu	259/00	USB	(AB)
E11	7840	24-12	0645	Thu	515/00	USB	(AB)
E11	13908	24-12	0745	Thu	223/00	USB	(AB)
E11	5149	24-12	0820	Thu	434/00	USB	(AB)
E11	5409	24-12	1530	Thu	267/00	USB	(AB)
E11	6849	24-12	1900	Thu	646/00	USB	(AB-POL)
E11	6280	25-12	0435	Fri	353/00	USB	(AB)
E11	9130	25-12	0715	Fri	639/00	USB	(AB)
E11	17378	25-12	0745	Fri	348/00	USB	(AB-POL)
E11	8597	25-12	1000	Fri	306/00	USB	(AB)
E11	6849	25-12	1650	Fri	929/00	USB	(AB)
E11	10487	25-12	1910	Fri	61? unreadable	USB	(AB-POL)
E11	4505	26-12	0710	Sat	491/00	USB	(AB)
E11	13363	26-12	1345	Sat	918/00	USB	(AB)
E11	4505	26-12	1705	Sat	392/00	USB	(AB/GHn)
E11	4909	26-12	1930	Sat	368/00	USB	(AB)
E11	6280	27-12	0435	Sun	350/00	USB	(AB)
E11	4505	27-12	0710	Sun	495/00	USB	(AB)
E11	5344	27-12	1605	Sun	232/00	USB	(AB/GHn)
E11	6849	27-12	1650	Sun	921/00	USB	(AB)
E11	12924	27-12	1745	Sun	244/00	USB	(AB-POL)
E11	10487	27-12	1910	Sun	618/00	USB	(AB-POL)
E11	4909	27-12	1930	Sun	363/00	USB	(AB)
E11	4909	28-12	0450	Mon	413/00	USB	(AB)
E11	11450	28-12	0640	Mon	941/00	USB	(AB)
E11	10213	28-12	0745	Mon	262/00	USB	(AB)
E11	12424	28-12	0830	Mon	184/00	USB	(AB)
E11	12067	28-12	0845	Mon	711/00	USB	(AB)
E11	8597	28-12	0900	Mon	536/00	USB	(AB)
E11	7984	28-12	1045	Mon	694/00	USB	(AB)
E11	5082	28-12	1530	Mon	528/00	USB	(AB/GHn/MPJ)
E11	12924	28-12	1745	Mon	244/00	USB	(MPJ-POL)
E11	6849	28-12	1900	Mon	641/00	USB	(AB/MPJ)

E11	7840	29-12	0645	Tue	510/00	USB	(AB)
E11	6804	29-12	0700	Tue	570/00	USB	(AB)
E11	9130	29-12	0715	Tue	631/00	USB	(AB)
E11	13908	29-12	0745	Tue	228/00	USB	(AB)
E11	14611	29-12	0820	Tue	133/00	USB	(AB)
E11	12089	29-12	0845	Tue	154/00	USB	(AB)
E11	8597	29-12	1000	Tue	304/00	USB	(AB)
E11	6433	29-12	1205	Tue	465/00	USB	(AB/MPJ/FT)
E11	13363	29-12	1345	Tue	918/00	USB	(AB/MPJ)
E11	5344	29-12	1605	Tue	235/00	USB	(AB/RL/MPJ)
E11	5779	30-12	0315	Wed	255/00	USB	(AB)
E11	17378	30-12	0745	Wed	346/00	USB	(AB-POL)
E11	14611	30-12	0820	Wed	133/00	USB	(AB)
E11	12067	30-12	0845	Wed	714/00	USB	(AB)
E11	8597	30-12	0900	Wed	535/00	USB	(AB)
E11	7469	30-12	0930	Wed	279/00	USB	(AB)
E11	7984	30-12	1045	Wed	691/00	USB	(AB)
E11	6433	30-12	1205	Wed	464/00	USB	(AB/MPJ)
E11	5082	30-12	1625	Wed	975/00	USB	(AB/MPJ)
E11	4505	30-12	1705	Wed	396/00	USB	(AB/MPJ)
E11	7840	31-12	0645	Thu	514/00	USB	(AB)
E11	13908	31-12	0745	Thu	229/00	USB	(AB)
E11	5149	31-12	0820	Thu	436/00	USB	(AB)
E11	12089	31-12	0845	Thu	155/00	USB	(AB)
E11	7469	31-12	0930	Thu	276/00	USB	(AB)
E11	5409	31-12	1530	Thu	262/00	USB	(AB)
E11	5779	31-12	1730	Thu	415/00	USB	(AB/MPJ)
E11	6849	31-12	1900	Thu	640/00	USB	(AB)
E11a	7840	1-12	0645	Tue	517/32 Attention 34165 38653 64847 ... 89130 48134 21884 Attention (message repeated) Out	USB	(AB)
E11a	5344	1-12	1605	Tue	238/36 Attention 64444 71174 66674 ... 75081 37871 16920 Attention (message repeated) Out	USB	(GHn/MPJ)
E11a	5779	3-12	0315	Thu	256/37 Attention 72630 82265 13260 ... 83853 55616 44096 Attention (message repeated) Out	USB	(AB)
E11a	7840	3-12	0645	Thu	517/32 Attention 34165 38653 64847 ... 89130 48134 21884 Attention (message repeated) Out	USB	(AB)
E11a	5149	3-12	0820	Thu	432/40 Attention 04931 16525 89978 ... 23982 63366 80145 Attention (message repeated) Out	USB	(AB)
E11a	5149	4-12	0820	Fri	432/40 Attention 04931 16525 89978 ... 23982 63366 80145 Attention (message repeated) Out	USB	(AB)
E11a	5344	6-12	1605	Sun	238/36 Attention 64444 71174 66674 ... 75081 37871 16920 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10213	7-12	0745	Mon	264/39 Attention 22901 54800 20028 ... 83742 47441 54633 Attention (message repeated) Out	USB	(AB)
E11a	12067	7-12	0845	Mon	718/38 Attention 67278 16944 74471 ... 92882 12041 05816 Attention (message repeated) Out	USB	(AB/HFD)
E11a	8597	7-12	0900	Mon	536/35 Attention 77316 08191 72873 ... 04463 23782 88101 Attention (message repeated) Out	USB	(AB)
E11a	6849	7-12	1900	Mon	647/34 Attention 61756 74167 39681 ... 06000 63935 91576 Attention (message repeated) Out	USB	(AB)
E11a	13908	8-12	0745	Tue	225/33 Attention 85787 19895 08532 ... 13784 08818 97150 Attention (message repeated) Out	USB	(AB-POL)
E11a	14611	8-12	0820	Tue	132/31 Attention 13335 81037 56091 ... 74420 06456 77731 Attention (message repeated) Out	USB	(AB)
E11a	13363	8-12	1345	Tue	912/36 Attention 83254 54368 86731 ... 01231 18065 64628 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14611	9-12	0820	Wed	132/31 Attention 13335 81037 56091 ... 74420 06456 77731 Attention (message repeated) Out	USB	(AB-POL)
E11a	12067	9-12	0845	Wed	718/38 Attention 67278 16944 74471 ... 92882 12041 05816 Attention (message repeated) Out	USB	(AB)
E11a	8597	9-12	0900	Wed	536/35 Attention 77316 08191 72873 ... 04463 23782 88101 Attention (message repeated) Out	USB	(AB)
E11a	13908	10-12	0745	Thu	225/33 Attention 85787 19895 08532 ... 13784 08818 97150 Attention (message repeated) Out	USB	(AB-POL)
E11a	5409	10-12	1530	Thu	264/39 Attention 22901 54800 20028 ... 83742 47441 54633 Attention (message repeated) Out	USB	(AB/GHn/MPJ)

E11a	6849	10-12	1900	Thu	647/34 Attention 61756 74167 39681 ... 06000 63935 91576 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	6280	11-12	0435	Fri	359/34 too weak to copy	USB	(AB)
E11a	6849	11-12	1650	Fri	920/37 Attention 08321 26708 72864 ... 07948 32669 95108 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4505	12-12	0710	Sat	492/37 Attention 03581 81780 60744 ... 98556 45952 14169 Attention (message repeated) Out	USB	(AB)
E11a	13363	12-12	1345	Sat	912/36 Attention 83254 54368 86731 ... 01231 18065 64628 Attention (message repeated) Out	USB	(AB)
E11a	4909	12-12	1930	Sat	360/34 Attention 16237 38538 33573 ... 31722 80957 28373 Attention (message repeated) Out	USB	(AB)
E11a	6280	13-12	0435	Sun	359/34 Attention 56297 ...	USB	(HFD)
E11a	4505	13-12	0710	Sun	492/37 Attention 03581 81780 60744 ... 98556 45952 14169 Attention (message repeated) Out	USB	(AB)
E11a	6849	13-12	1650	Sun	920/37 Attention 08321 26708 72864 ... 07948 32669 95108 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	13-12	1930	Sun	360/34 Attention 16237 38538 33573 ... 31722 80957 28373 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11450	14-12	0640	Mon	948/36 Attention 05307 61319 25295 ... 30675 97299 31577 Attention (message repeated) Out	USB	(AB/HFD)
E11a	12424	14-12	0830	Mon	188/34 Attention 35771 75484 38771 ... 08860 76862 34580 Attention (message repeated) Out	USB	(AB)
E11a	7984	14-12	1045	Mon	691/34 Attention 22143 72841 31490 ... 08022 57417 47330 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	14-12	1745	Mon	248/33 Attention 92954 97425 96374 ... 45372 02059 37941 Attention (message repeated) Out	USB	(AB)
E11a	9130	15-12	0715	Tue	630/32 Attention 96601 35814 85855 ... 02937 01687 28725 Attention (message repeated) Out	USB	(AB)
E11a	8597	15-12	1000	Tue	306/32 Attention 87878 70143 11403 ... 68461 37098 97415 Attention (message repeated) Out	USB	(AB)
E11a	6433	15-12	1205	Tue	461/34 Attention 17116 43613 46897 ... 12831 10495 53467 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	11450	16-12	0640	Wed	948/36 Attention 05307 61319 25295 ... 30675 97299 31577 Attention (message repeated) Out	USB	(AB)
E11a	17378	16-12	0745	Wed	343/34 Attention 22027 55177 93980 ... 81881 95634 86434 Attention (message repeated) Out	USB	(AB-POL)
E11a	7984	16-12	1045	Wed	691/34 Attention 22143 72841 31490 ... 08022 57417 47330 Attention (message repeated) Out	USB	(AB)
E11a	6433	16-12	1205	Wed	461/34 Attention 17116 43613 46897 ... 12831 10495 53467 Attention (message repeated) Out	USB	(AB)
E11a	4505	16-12	1705	Wed	395/39 Attention 85380 93509 54304 ... 74407 65267 26227 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	9130	18-12	0715	Fri	630/32 Attention 96601 35814 85855 ... 02937 01687 28725 Attention (message repeated) Out	USB	(AB)
E11a	17378	18-12	0745	Fri	343/34 Attention 22027 55177 93980 ... 81881 95634 86434 Attention (message repeated) Out	USB	(AB-POL)
E11a	12424	18-12	0830	Fri	188/34 Attention 35771 75484 38771 ... 08860 76862 34580 Attention (message repeated) Out	USB	(RL)
E11a	8597	18-12	1000	Fri	306/32 Attention 87878 70143 11403 ... 68461 37098 97415 Attention (message repeated) Out	USB	(AB)
E11a	10487	18-12	1910	Fri	616/33 Attention 85338 19092 22514 ... 41680 95926 84517 Attention (message repeated) Out	USB	(AB-POL)
E11a	4505	19-12	1705	Sat	395/39 Attention 85380 93509 54304 ... 74407 65267 26227 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	20-12	1745	Sun	248/33 Attention 92954 97425 96374 ... 45372 02059 37941 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	10487	20-12	1910	Sun	616/33 Attention 85338 19092 22514 ... 41680 95926 84517 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	4909	21-12	0450	Mon	411/33 Attention 13454 87110 18874 ... 98634 96967 70969 Attention (message repeated) Out	USB	(AB)
E11a	5082	21-12	1530	Mon	522/33 Attention 88174 95501 45305 ... 12637 21545 38121 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6804	22-12	0700	Tue	571/32 Attention 15314 93517 86082 ... 21362 04270 15064 Attention (message repeated) Out	USB	(AB)
E11a	12089	22-12	0845	Tue	150/30 Attention 43762 11690 78286 ... 57734 99160 57055 Attention (message repeated) Out	USB	(AB)
E11a	7469	23-12	0930	Wed	271/36 Attention 85440 17850 51261 ... 08060 55289 21295 Attention (message repeated) Out	USB	(AB)
E11a	5082	23-12	1625	Wed	974/40 Attention 06893 05646 53840 ... 17085 54791 52962 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12089	24-12	0845	Thu	150/30 Attention 43762 11690 78286 ... 57734 99160 57055 Attention (message repeated) Out	USB	(AB)
E11a	7469	24-12	0930	Thu	271/36 Attention 85440 17850 51261 ... 08060 55289 21295 Attention (message repeated) Out	USB	(AB)
E11a	5779	24-12	1730	Thu	411/33 Attention 13454 87110 18874 ... 98634 96967 70969 Attention (message repeated) Out	USB	(AB)
E11a	6804	25-12	0700	Fri	571/32 Attention 15314 93517 86082 ... 21362 04270 15064 Attention (message repeated) Out	USB	(AB)
E11a	5082	25-12	1530	Fri	522/33 Attention 88174 95501 45305 ... 12637 21545 38121 Attention (message repeated) Out	USB	(AB)
E11a	4909	26-12	0805	Sat	310/39 Attention 35775 06254 15882 ... 96734 87844 52912 Attention (message repeated) Out	USB	(AB)
E11a	4909	27-12	0805	Sun	310/39 Attention 35775 06254 15882 ... 96734 87844 52912 Attention (message repeated) Out	USB	(AB)
E11a	5082	27-12	1625	Sun	974/40 Attention 06893 05646 53840 ... 17085 54791 52962 Attention (message repeated) Out	USB	(AB/GHn)
E17z	11170	3-12	0800	Thu	217 460 5 35820 78985 08200 27869 79444 460 5 00000	USB	(AB)
E17z	9820	3-12	0810	Thu	217 460 5 35820 78985 08200 27869 79444 460 5 00000	USB	(AB)
E17z	11170	10-12	0800	Thu	217 460 5 35820 78985 08200 27869 79444 460 5 00000	AM	(AB)

E17z	9820	10-12	0810	Thu	217 460 5 35820 78985 08200 27869 79444 460 5 00000	AM	(AB)
E17z	11170	17-12	0800	Thu	217 469 5 24236 84028 82278 06280 25826 469 5 00000	USB	(AB)
E17z	9820	17-12	0810	Thu	217 469 5 24236 84028 82278 06280 25826 469 5 00000	USB	(AB)
E17z	11170	24-12	0800	Thu	217 469 5 24236 84028 82278 06280 25826 469 5 00000	USB	(AB)
E17z	9820	24-12	0810	Thu	217 469 5 24236 84028 82278 06280 25826 469 5 00000	USB	(AB)
E17z	11170	31-12	0800	Thu	217 217 217 00000	USB	(AB)
E17z	9820	31-12	0810	Thu	217 217 217 00000	USB	(AB)
EGY	6785	29-12	1715	Tue	99901: MFA Cairo wkg 00006: Egyptian embassy Baghdad	CODAN	(AB)
EGY	6786.7	29-12	1718	Tue	MFA Cairo wkg TVVC: Egyptian embassy Baghdad	SITOR-A 170/100	(AB)
F01	12164	1-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	10336	1-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	8016	1-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	12164	2-12	1015	Wed	Russian diplo/intel. 80998 39268 38391 ... 43575 32895 16431 00000	FSK 200/500	(AB)
F01	10336	2-12	1025	Wed	Russian diplo/intel. 80998 39268 38391 ... 43575 32895 16431 00000	FSK 200/500	(AB)
F01	8016	2-12	1035	Wed	Russian diplo/intel. 80998 39268 38391 ... 43575 32895 16431 00000	FSK 200/500	(AB)
F01	7684	2-12	1940	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/MPJ/HFD)
F01	5326	2-12	1950	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/MPJ/HFD)
F01	4029	2-12	2000	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/MPJ/HFD)
F01	12164	3-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	3-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	3-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	4-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	4-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	4-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	11-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	11-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	11-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	14-12	1015	Mon	Russian diplo/intel. 48362 47548 48288 ... 13500 39628 21431 00000	FSK 200/500	(AB/MPJ)
F01	10336	14-12	1025	Mon	Russian diplo/intel. 48362 47548 48288 ... 13500 39628 21431 00000	FSK 200/500	(AB/MPJ)
F01	8016	14-12	1035	Mon	Russian diplo/intel. 48362 47548 48288 ... 13500 39628 21431 00000	FSK 200/500	(AB/MPJ)
F01	12164	15-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	15-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	15-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	16-12	1015	Wed	Russian diplo/intel. 12207 21191 90953 ... 31565 29579 24421 00000	FSK 200/500	(AB)
F01	10336	16-12	1025	Wed	Russian diplo/intel. 12207 21191 90953 ... 31565 29579 24421 00000	FSK 200/500	(AB)
F01	8016	16-12	1035	Wed	Russian diplo/intel. 12207 21191 90953 ... 31565 29579 24421 00000	FSK 200/500	(AB)
F01	12164	17-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	17-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	17-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	18-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	18-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	18-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	21-12	1015	Mon	Russian diplo/intel. 99993 97214 77444 ... 39674 98858 27437 00000	FSK 200/500	(AB)
F01	10336	21-12	1025	Mon	Russian diplo/intel. 99993 97214 77444 ... 39674 98858 27437 00000	FSK 200/500	(AB)
F01	8016	21-12	1035	Mon	Russian diplo/intel. 99993 97214 77444 ... 39674 98858 27437 00000	FSK 200/500	(AB)
F01	12164	22-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	22-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)

F01	8016	22-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	23-12	1015	Wed	Russian diplo/intel. 12477 96535 88702 ... 60107 43422 30461 00000	FSK 200/500	(AB)
F01	10336	23-12	1025	Wed	Russian diplo/intel. 12477 96535 88702 ... 60107 43422 30461 00000	FSK 200/500	(AB)
F01	8016	23-12	1035	Wed	Russian diplo/intel. 12477 96535 88702 ... 60107 43422 30461 00000	FSK 200/500	(AB)
F01	12164	24-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	24-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	24-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	25-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	25-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	25-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	28-12	1015	Mon	Russian diplo/intel. 35905 25940 69729 ... 67828 39896 33423 00000	FSK 200/500	(AB)
F01	10336	28-12	1025	Mon	Russian diplo/intel. 35905 25940 69729 ... 67828 39896 33423 00000	FSK 200/500	(AB)
F01	8016	28-12	1035	Mon	Russian diplo/intel. 35905 25940 69729 ... 67828 39896 33423 00000	FSK 200/500	(AB)
F01	12164	29-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	29-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	29-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	30-12	1015	Wed	Russian diplo/intel. 44630 92840 78046 ... 38444 74615 36411 00000	FSK 200/500	(AB)
F01	10336	30-12	1025	Wed	Russian diplo/intel. 44630 92840 78046 ... 38444 74615 36411 00000	FSK 200/500	(AB)
F01	8016	30-12	1035	Wed	Russian diplo/intel. 44630 92840 78046 ... 38444 74615 36411 00000	FSK 200/500	(AB)
F01	12164	31-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	31-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	31-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F03f	8800	3-12	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	3-12	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	10-12	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	10-12	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	14-12	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	14-12	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	17-12	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	17-12	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	21-12	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	21-12	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	24-12	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	24-12	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	28-12	0735	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	28-12	0740	Mon	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	31-12	0735	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03f	8800	31-12	0740	Thu	Polish intel.	FSK-2 400Bd/800Hz/496bp	(AB)
F03j	5946	2-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	2-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	2-12	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	2-12	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	3-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	3-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	7-12	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	7-12	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	9-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5946	9-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	9-12	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	9-12	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	10-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	10-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	16-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	16-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	16-12	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	16-12	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	17-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	17-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	21-12	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	21-12	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	23-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	23-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	23-12	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	23-12	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	24-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	24-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	28-12	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	28-12	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	30-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	30-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	30-12	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7837	30-12	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	31-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	31-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	4909	1-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4909	1-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	1-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	1-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13424	2-12	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13424	2-12	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8180	2-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8180	2-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5737	3-12	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	5737	3-12	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4909	3-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4909	3-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	3-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	3-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8180	7-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	8180	7-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4909	8-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	4909	8-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	8-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14415	8-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	13424	9-12	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	9-12	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	9-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	9-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	10-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	10-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	10-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	10-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	14-12	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	14-12	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	14-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	14-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	15-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	15-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	15-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	15-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	16-12	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	16-12	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	16-12	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	16-12	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	16-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	16-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	17-12	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	17-12	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	17-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	17-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	17-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	17-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	21-12	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	21-12	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	21-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	21-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	22-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	22-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	22-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	22-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	23-12	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	23-12	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	23-12	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	23-12	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	23-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	23-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	24-12	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	24-12	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	24-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	24-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	24-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	14415	24-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	28-12	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	28-12	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	28-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	28-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	29-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	29-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	29-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	29-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	30-12	0430	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	30-12	0435	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	30-12	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13424	30-12	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	30-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8180	30-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	31-12	0430	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5737	31-12	0435	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	31-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4909	31-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	31-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14415	31-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	10272	1-12	0030	Tue	Russian dipo/intel. 11166 60070 14789 01075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	1-12	0040	Tue	Russian dipo/intel. 11166 60070 14789 01075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7518	1-12	0050	Tue	Russian dipo/intel. 11166 60070 14789 01075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	1-12	0700	Tue	Russian dipo/intel. Headers: 11166 70202 87541 30043 01839 and 11166 70202 98532 30044 01539	FSK 200/1000	(AB)
F06	11046	1-12	0710	Tue	Russian dipo/intel. Headers: 11166 70202 87541 30043 01839 and 11166 70202 98532 30044 01539	FSK 200/1000	(AB)
F06	13473	1-12	1200	Tue	Russian diplo/intel. Headers: 11166 70202 87541 30043 01839 and 11166 70202 98532 30044 01539	FSK 200/1000	(AB)
F06	11109	1-12	1210	Tue	Russian diplo/intel. Headers: 11166 70202 87541 30043 01839 and 11166 70202 98532 30044 01539	FSK 200/1000	(AB)
F06	9178	1-12	1220	Tue	Russian diplo/intel. Headers: 11166 70202 87541 30043 01839 and 11166 70202 98532 30044 01539	FSK 200/1000	(AB)
F06	9313	1-12	1650	Tue	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB-RUS)
F06	7928	1-12	1700	Tue	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB)
F06	6783	1-12	1710	Tue	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB)
F06	20157	2-12	0600	Wed	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)
F06	18241	2-12	0610	Wed	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)
F06	16204	2-12	0620	Wed	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)
F06	13496	2-12	0700	Wed	Russian dipo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	11046	2-12	0710	Wed	Russian dipo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	9065	2-12	0720	Wed	Russian dipo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	13473	2-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	11109	2-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	9178	2-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 89514 02045 02439	FSK 200/1000	(AB)
F06	9313	2-12	1650	Wed	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB-RUS)
F06	7928	2-12	1700	Wed	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB)
F06	6783	2-12	1710	Wed	Russian diplo/intel. Header: 11166 10053 85274 27072 01689	FSK 200/1000	(AB)
F06	20157	3-12	0600	Thu	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)
F06	18241	3-12	0610	Thu	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)
F06	16204	3-12	0620	Thu	Russian diplo/intel. Header: 11166 40122 45081 28022 03729	FSK 200/1000	(AB-J)

F06	13496	3-12	0700	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB)
F06	11046	3-12	0710	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB)
F06	9065	3-12	0720	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB)
F06	13473	3-12	1200	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB/MPJ)
F06	11109	3-12	1210	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB/MPJ)
F06	9178	3-12	1220	Thu	Russian diplo/intel. Headers: 11166 70202 96385 02046 01699 and 11166 70202 74169 02047 01999	FSK 200/1000	(AB/MPJ)
F06	10968	3-12	1330	Thu	Russian diplo/intel. 11166 80214 54139 03048 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9354	3-12	1340	Thu	Russian diplo/intel. 11166 80214 54139 03048 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7963	3-12	1350	Thu	Russian diplo/intel. 11166 80214 54139 03048 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13496	4-12	0700	Fri	Russian diplo/intel. 11166 70202 93457 04053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	4-12	0710	Fri	Russian diplo/intel. 11166 70202 93457 04053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	4-12	0720	Fri	Russian diplo/intel. 11166 70202 93457 04053 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	6-12	1530	Sun	Russian diplo/intel. 11166 10053 79413 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	6-12	1540	Sun	Russian diplo/intel. 11166 10053 79413 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6785	6-12	1550	Sun	Russian diplo/intel. 11166 10053 79413 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7379	7-12	0500	Mon	Russian diplo/intel. 11166 70059 83124 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6774	7-12	0510	Mon	Russian diplo/intel. 11166 70059 83124 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5463	7-12	0520	Mon	Russian diplo/intel. 11166 70059 83124 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10272	8-12	0030	Tue	Russian diplo/intel. Header: 11166 60070 82306 04075 01979	FSK 200/1000	(AB)
F06	9075	8-12	0040	Tue	Russian diplo/intel. Header: 11166 60070 82306 04075 01979	FSK 200/1000	(AB)
F06	7518	8-12	0050	Tue	Russian diplo/intel. Header: 11166 60070 82306 04075 01979	FSK 200/1000	(AB)
F06	9313	8-12	1650	Tue	Russian diplo/intel. 11166 10053 14789 08073 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	7928	8-12	1700	Tue	Russian diplo/intel. 11166 10053 14789 08073 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6783	8-12	1710	Tue	Russian diplo/intel. 11166 10053 14789 08073 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20157	9-12	0600	Wed	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-TWN)
F06	18241	9-12	0610	Wed	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-J)
F06	16204	9-12	0620	Wed	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-J)
F06	19851	9-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB)
F06	17464	9-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB)
F06	15609	9-12	0920	Wed	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB)
F06	20157	10-12	0600	Thu	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-TWN)
F06	18241	10-12	0610	Thu	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-J)
F06	16204	10-12	0620	Thu	Russian diplo/intel. Headers: 11166 40122 04375 05023 03029 and 11166 40122 91372 05024 02489	FSK 200/1000	(AB-J)
F06	13496	10-12	0700	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	11046	10-12	0710	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	9065	10-12	0720	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	19851	10-12	0900	Thu	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB-RUS)
F06	17464	10-12	0910	Thu	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB)
F06	15609	10-12	0920	Thu	Russian diplo/intel. Header: 11166 00052 15784 09074 01759	FSK 200/1000	(AB)
F06	13473	10-12	1200	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	11109	10-12	1210	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	9178	10-12	1220	Thu	Russian diplo/intel. Headers: 11166 70202 35412 09048 02739 and 11166 70202 24786 09049 01759	FSK 200/1000	(AB)
F06	10968	10-12	1330	Thu	Russian diplo/intel. 11166 80214 56987 10025 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9354	10-12	1340	Thu	Russian diplo/intel. 11166 80214 56987 10025 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7963	10-12	1350	Thu	Russian diplo/intel. 11166 80214 56987 10025 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13496	11-12	0700	Fri	Russian diplo/intel. 11166 70202 47501 11042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	11-12	0710	Fri	Russian diplo/intel. 11166 70202 47501 11042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	9065	11-12	0720	Fri	Russian diplo/intel. 11166 70202 47501 11042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	13-12	1530	Sun	Russian diplo/intel. 11166 10053 23698 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7836	13-12	1540	Sun	Russian diplo/intel. 11166 10053 23698 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6785	13-12	1550	Sun	Russian diplo/intel. 11166 10053 23698 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	14-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	11046	14-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	9065	14-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	13473	14-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	11109	14-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	9178	14-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 86423 11050 02359	FSK 200/1000	(AB)
F06	10272	15-12	0030	Tue	Russian diplo/intel. 11166 60070 91235 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	15-12	0040	Tue	Russian diplo/intel. 11166 60070 91235 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7518	15-12	0050	Tue	Russian diplo/intel. 11166 60070 91235 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	15-12	0700	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	11046	15-12	0710	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	9065	15-12	0720	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	13473	15-12	1200	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	11109	15-12	1210	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	9178	15-12	1220	Tue	Russian diplo/intel. Headers: 11166 70202 96357 14051 02199 and 11166 70202 74163 14052 01999	FSK 200/1000	(AB)
F06	9313	15-12	1650	Tue	Russian diplo/intel. 11166 10053 78541 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	7928	15-12	1700	Tue	Russian diplo/intel. 11166 10053 78541 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6783	15-12	1710	Tue	Russian diplo/intel. 11166 10053 78541 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20157	16-12	0600	Wed	Russian diplo/intel. 11166 40122 15896 16069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	18241	16-12	0610	Wed	Russian diplo/intel. 11166 40122 15896 16069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	16204	16-12	0620	Wed	Russian diplo/intel. 11166 40122 15896 16069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	13496	16-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	11046	16-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	9065	16-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	13473	16-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	11109	16-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	9178	16-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 61547 15053 02539	FSK 200/1000	(AB)
F06	13496	17-12	0700	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB)
F06	11046	17-12	0710	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB)
F06	9065	17-12	0720	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB)
F06	13473	17-12	1200	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB/MPJ)
F06	11109	17-12	1210	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB/MPJ)
F06	9178	17-12	1220	Thu	Russian diplo/intel. Headers: 11166 70202 26487 16054 02339 and 11166 70202 79457 16055 01899	FSK 200/1000	(AB/MPJ)
F06	10968	17-12	1330	Thu	Russian diplo/intel. 11166 80214 26547 17015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	17-12	1340	Thu	Russian diplo/intel. 11166 80214 26547 17015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	17-12	1350	Thu	Russian diplo/intel. 11166 80214 26547 17015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	18-12	0700	Fri	Russian diplo/intel. 11166 70202 86217 18035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	18-12	0710	Fri	Russian diplo/intel. 11166 70202 86217 18035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	18-12	0720	Fri	Russian diplo/intel. 11166 70202 86217 18035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	20-12	1530	Sun	Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	20-12	1540	Sun	Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6785	20-12	1550	Sun	Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7379	21-12	0500	Mon	Russian diplo/intel. 11166 70059 45689 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	6774	21-12	0510	Mon	Russian diplo/intel. 11166 70059 45689 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5463	21-12	0520	Mon	Russian diplo/intel. 11166 70059 45689 21021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	21-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB)
F06	11046	21-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB)
F06	9065	21-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB)
F06	13473	21-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB/MPJ)
F06	11109	21-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB/MPJ)
F06	9178	21-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 61897 18056 02439	FSK 200/1000	(AB/MPJ)
F06	10272	22-12	0030	Tue	Russian diplo/intel. 11166 60070 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	22-12	0040	Tue	Russian diplo/intel. 11166 60070 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7518	22-12	0050	Tue	Russian diplo/intel. 11166 60070 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	22-12	0700	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	11046	22-12	0710	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	9065	22-12	0720	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	13473	22-12	1200	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	11109	22-12	1210	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	9178	22-12	1220	Tue	Russian diplo/intel. Headers: 11166 70202 38294 21057 02199 and 11166 70202 42317 21058 01939	FSK 200/1000	(AB)
F06	9313	22-12	1650	Tue	Russian diplo/intel. 11166 10053 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7928	22-12	1700	Tue	Russian diplo/intel. 11166 10053 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6783	22-12	1710	Tue	Russian diplo/intel. 11166 10053 78541 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20157	23-12	0600	Wed	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	18241	23-12	0610	Wed	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	16204	23-12	0620	Wed	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	13496	23-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	11046	23-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	9065	23-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	19851	23-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB-POL)
F06	17464	23-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB-FIN)
F06	15609	23-12	0920	Wed	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB-FIN)
F06	13473	23-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	11109	23-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	9178	23-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 25468 22059 02719	FSK 200/1000	(AB)
F06	20157	24-12	0600	Thu	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	18241	24-12	0610	Thu	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	16204	24-12	0620	Thu	Russian diplo/intel. Header: 11166 40122 19437 19025 03189	FSK 200/1000	(AB-TWN)
F06	13496	24-12	0700	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	11046	24-12	0710	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	9065	24-12	0720	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	19851	24-12	0900	Thu	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB)
F06	17464	24-12	0910	Thu	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB)
F06	15609	24-12	0920	Thu	Russian diplo/intel. Header: 11166 00052 78541 23075 02519	FSK 200/1000	(AB)
F06	13473	24-12	1200	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	11109	24-12	1210	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	9178	24-12	1220	Thu	Russian diplo/intel. Headers: 11166 70202 96357 23060 01859 and 11166 70202 14768 23061 02099	FSK 200/1000	(AB)
F06	10968	24-12	1330	Thu	Russian diplo/intel. 11166 80214 61587 24049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	24-12	1340	Thu	Russian diplo/intel. 11166 80214 61587 24049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	24-12	1350	Thu	Russian diplo/intel. 11166 80214 61587 24049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	13496	25-12	0700	Fri	Russian diplo/intel. 11166 70202 86217 25068 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	25-12	0710	Fri	Russian diplo/intel. 11166 70202 86217 25068 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	25-12	0720	Fri	Russian diplo/intel. 11166 70202 86217 25068 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	27-12	1530	Sun	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7836	27-12	1540	Sun	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6785	27-12	1550	Sun	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	28-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB)
F06	11046	28-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB)
F06	9065	28-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB)
F06	13473	28-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB/MPJ)
F06	11109	28-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB/MPJ)
F06	9178	28-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 39461 25062 02199	FSK 200/1000	(AB/MPJ)
F06	13496	29-12	0700	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB)
F06	11046	29-12	0710	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB)
F06	9065	29-12	0720	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB)
F06	13473	29-12	1200	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB/FT)
F06	11109	29-12	1210	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB)
F06	9178	29-12	1220	Tue	Russian diplo/intel. Headers: 11166 70202 26457 28063 01699 and 11166 70202 67134 28064 01939	FSK 200/1000	(AB/FT)
F06	9313	29-12	1650	Tue	Russian diplo/intel. 11166 10053 36987 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7928	29-12	1700	Tue	Russian diplo/intel. 11166 10053 36987 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6783	29-12	1710	Tue	Russian diplo/intel. 11166 10053 36987 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20157	30-12	0600	Wed	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	18241	30-12	0610	Wed	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	16204	30-12	0620	Wed	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	13496	30-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB)
F06	11046	30-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB)
F06	9065	30-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB)
F06	13473	30-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB/MPJ)
F06	11109	30-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB/MPJ)
F06	9178	30-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 96347 29065 02319	FSK 200/1000	(AB/MPJ)
F06	20157	31-12	0600	Thu	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	18241	31-12	0610	Thu	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	16204	31-12	0620	Thu	Russian diplo/intel. Headers: 11166 40122 04285 26026 03029 and 11166 40122 91082 26027 03009	FSK 200/1000	(AB-J)
F06	13496	31-12	0700	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB)
F06	11046	31-12	0710	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB)
F06	9065	31-12	0720	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB)
F06	13473	31-12	1200	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB/MPJ)
F06	11109	31-12	1210	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB/MPJ)
F06	9178	31-12	1220	Thu	Russian diplo/intel. Headers: 11166 70202 19436 31066 01839 and 11166 70202 82931 31067 01759	FSK 200/1000	(AB/MPJ)
F06	10968	31-12	1330	Thu	Russian diplo/intel. 11166 80214 79153 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9354	31-12	1340	Thu	Russian diplo/intel. 11166 80214 79153 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7963	31-12	1350	Thu	Russian diplo/intel. 11166 80214 79153 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06a	5185	3-12	0500	Thu	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)
F06a	4835	3-12	0515	Thu	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)
F06a	3796	3-12	0530	Thu	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)
F06a	5185	4-12	0500	Fri	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)
F06a	4835	4-12	0515	Fri	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)

F06a	3796	4-12	0530	Fri	Russian diplo/intel. File 44451 (1280 bytes)	FSK 200/1000	(AB)
F06a	18589	5-12	1500	Sat	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(MPJ)
F06a	16248	5-12	1515	Sat	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(MPJ)
F06a	14877	5-12	1530	Sat	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(MPJ)
F06a	18589	6-12	1500	Sun	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(AB/MPJ-HNG)
F06a	16248	6-12	1515	Sun	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(AB/MPJ-HNG)
F06a	14877	6-12	1530	Sun	Russian diplo/intel. File 04445 (1120 bytes)	FSK 200/1000	(AB/MPJ-HNG)
F06a	12214	7-12	0700	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	11073	7-12	0710	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	9912	7-12	0720	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	11537	7-12	1200	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	10358	7-12	1210	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	9275	7-12	1220	Mon	Russian diplo/intel. File 44402 (4128 bytes) Header: 44400 00000 00000 04002 00009	FSK 200/1000	(AB)
F06a	5185	10-12	0500	Thu	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	4835	10-12	0515	Thu	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	3796	10-12	0530	Thu	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	5185	11-12	0500	Fri	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	4835	11-12	0515	Fri	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	3796	11-12	0530	Fri	Russian diplo/intel. File 04452 (912 bytes)	FSK 200/1000	(AB)
F06a	18589	12-12	1500	Sat	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS)
F06a	16248	12-12	1515	Sat	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS)
F06a	14877	12-12	1530	Sat	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS)
F06a	18589	13-12	1500	Sun	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	16248	13-12	1515	Sun	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	14877	13-12	1530	Sun	Russian diplo/intel. File 04446 (1152 bytes)	FSK 200/1000	(AB-RUS/MPJ)
F06a	5185	17-12	0500	Thu	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	4835	17-12	0515	Thu	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	3796	17-12	0530	Thu	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	5185	18-12	0500	Fri	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	4835	18-12	0515	Fri	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	3796	18-12	0530	Fri	Russian diplo/intel. File 04453 (1216 bytes)	FSK 200/1000	(AB)
F06a	18589	19-12	1500	Sat	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	16248	19-12	1515	Sat	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	14877	19-12	1530	Sat	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	18589	20-12	1500	Sun	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	16248	20-12	1515	Sun	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	14877	20-12	1530	Sun	Russian diplo/intel. File 04447 (976 bytes)	FSK 200/1000	(AB-POL)
F06a	5185	24-12	0500	Thu	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	4835	24-12	0515	Thu	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	3796	24-12	0530	Thu	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	5185	25-12	0500	Fri	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	4835	25-12	0515	Fri	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	3796	25-12	0530	Fri	Russian diplo/intel. File 04454 (1200 bytes)	FSK 200/1000	(AB)
F06a	18589	26-12	1500	Sat	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)
F06a	16248	26-12	1515	Sat	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)
F06a	14877	26-12	1530	Sat	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)
F06a	18589	27-12	1500	Sun	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)

F06a	16248	27-12	1515	Sun	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)
F06a	14877	27-12	1530	Sun	Russian diplo/intel. File 04448 (1088 bytes)	FSK 200/1000	(AB-POL)
F06a	5185	31-12	0500	Thu	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
F06a	4835	31-12	0515	Thu	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
F06a	3796	31-12	0530	Thu	Russian diplo/intel. File 04455 (992 bytes)	FSK 200/1000	(AB)
HM01	11530	1-12	1700	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11530	1-12	1705	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(HFD)
HM01	9330	2-12	0658	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	2-12	0758	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	2-12	0858	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	2-12	0958	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	10715	2-12	2200	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11462	3-12	0858	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	12180	3-12	0958	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	3-12	1730	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	4-12	0658	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	4-12	0758	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	4-12	0858	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	4-12	0958	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11635	4-12	1800	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11435	5-12	1600	Sat	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	6-12	0658	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	6-12	0758	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	6-12	0858	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	6-12	0958	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11435	6-12	1600	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11530	7-12	1700	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB/RR2)
HM01	11530	8-12	1700	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	9-12	0658	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	9-12	0758	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	9-12	0858	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	9-12	0958	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	9-12	1700	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11462	10-12	0858	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	10-12	1700	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	11-12	0658	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	11-12	0758	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	11-12	0858	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	11-12	0958	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	11-12	1700	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11435	12-12	1600	Sat	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	10345	13-12	0516	Sun	i.p. 66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9330	13-12	0658	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	13-12	0758	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	13-12	0858	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11435	13-12	1630	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	10860	14-12	0500	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(HFD)

HM01	9330	14-12	0658	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	14-12	0758	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	14-12	0857	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	14-12	0957	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11635	14-12	1800	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11530	15-12	1700	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	16-12	0658	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	16-12	0758	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	16-12	0858	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	16-12	0958	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	16-12	1730	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11635	17-12	0758	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11462	17-12	0858	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	12180	17-12	0958	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	17-12	1700	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	18-12	0658	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	18-12	0758	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	18-12	0858	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	18-12	0958	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	18-12	1730	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	10715	18-12	2200	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(Dan)
HM01	11435	19-12	1600	Sat	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11435	20-12	1600	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	21-12	0658	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	21-12	0758	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	21-12	0857	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	21-12	0957	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11530	21-12	1700	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11530	22-12	1700	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	23-12	0658	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	23-12	0757	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	23-12	0900	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	23-12	0958	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct) Should be on 9155 kHz	AM/RDFT	(AB)
HM01	11530	23-12	1700	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11635	24-12	0801	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11462	24-12	0857	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	12180	24-12	0958	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11435	24-12	1600	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11435	25-12	1630	Fri	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	11435	26-12	1630	Sat	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	17480	26-12	2200	Sat	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(Dan)
HM01	9330	27-12	0658	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9065	27-12	0758	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	27-12	0858	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11435	27-12	1630	Sun	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9330	28-12	0658	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9330	28-12	0758	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9065 kHz	AM/RDFT	(AB)

HM01	9330	28-12	0858	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9240 kHz. Switched at 0903 UTC	AM/RDFT	(AB)
HM01	9240	28-12	0903	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	28-12	0957	Mon	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct). Should be on 9155 kHz	AM/RDFT	(AB)
HM01	9240	28-12	1054	Mon	Carrier till 1035 UTC	AM	(AB)
HM01	11435	29-12	1630	Tue	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(RR2)
HM01	9065	30-12	0757	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9240	30-12	0900	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	9155	30-12	0958	Wed	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	11462	31-12	0857	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	12180	31-12	0957	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(AB)
HM01	16180	31-12	2100	Thu	66012 17241 10803 16171 10125 67090 (repeat of 9 Oct)	AM/RDFT	(Dan)
M01	5320	1-12	1800	Tue	197 718 718 = 30 30 = = 76351 04159 19384 ... 42996 88935 97642 = = 718 718 = 30 30 000	CW	(MPJ)
M01	4490	1-12	2000	Tue	197 991 991 30 30 31068 53837 65955 ... 09322 82416 34155 = = 991 991 30 30 000	CW	(AB)
M01	5230	3-12	1800	Thu	197 425 425 30 30 = = unreadable	CW	(AB-FIN)
M01	4490	3-12	2000	Thu	197 449 449 30 30 = = 53723 05665 79702 ... 17271 55967 85238 = 449 449 30 30 000	CW	(AB)
M01	5810	5-12	1500	Sat	197 390 390 = = 30 30 = = 98942 66949 95630 ... 98208 23924 53750 = = 390 390 = 30 30 000	CW	(MPJ)
M01	5465	6-12	0700	Sun	197 588 588 30 30 = = 62067 95934 40210 ... 68013 80922 38916 = = 588 588 30 30 000	CW	(AB)
M01	5320	8-12	1800	Tue	197 unreadable	CW	(MPJ)
M01	4490	8-12	2000	Tue	197 296 296 = 30 30 = = 89754 75706 87131 ... 48749 50594 19881 = = 296 296 = 30 30 000	CW	(AB)
M01	5230	10-12	1800	Thu	197 unreadable	CW	(MPJ-RUS)
M01	5465	13-12	0700	Sun	VVV at 0650z. 197 (R) stopped at 0702z. Restart at 0703z. Contains errors. 197 371 30 = = 58519 36949 29492 ... 67426 62269 88296 = 371 371 30 000	CW	(AB)
M01	5320	15-12	1800	Tue	197 311 311 30 30 = = 65700 19198 05326 ... 56994 38971 81132 = = 311 311 30 30 000	CW	(AB-RUS/MPJ-HOL)
M01	4490	15-12	2000	Tue	197 737 737 30 30 = = 22868 17133 12296 ... 99977 25608 39463 = = 737 737 30 30 000	CW	(AB)
M01	5230	17-12	1800	Thu	197 541 541 30 30 = = 38333 24236 03393 ... 83044 42419 06640 = = 541 541 30 30 000 Error, incomplete groups	CW	(AB-RUS)
M01	4490	17-12	2000	Thu	197 532 532 30 30 = = 95459 19449 11476 ... 04210 20735 12483 = = 532 532 30 30 000 Errors incomplete groups. Different repeat	CW	(AB/SP1)
M01	5810	19-12	1500	Sat	197 317 317 30 30 = = 20058 60558 82246 ... 33189 18992 55835 = = 317 317 30 30 000	CW	(AB/MPJ)
M01	5320	22-12	1800	Tue	197 074 074 30 30 = = 98195 32415 93011 ... 47971 14533 03148 = = 074 074 30 30 000	CW	(AB-RUS)
M01	5230	24-12	1800	Thu	197 233 233 30 30 = = 02304 85923 ...	CW	(AB-RUS)
M01	4490	24-12	2000	Thu	197 475 475 30 30 = = 52054 02294 43965 ... 06678 05400 76097 = = 475 475 30 30 000	CW	(AB)
M01	5810	26-12	1500	Sat	197 926 926 30 30 = = 90940 98388 93132 ... 40506 90718 95258 = = 926 30 926 30 30 000	CW	(AB)
M01	5465	27-12	0701	Sun	197 101 101 30 30 = = 90045 50019 42610 ... 37404 70254 92529 = = 101 101 30 30 000	CW	(AB)
M01	5320	29-12	1800	Tue	197 743 743 30 30 = = 45293 84437 50599 ... 68260 20743 96355 = = 743 743 30 30 000	CW	(AB-RUS/MPJ-AUT)
M01	4490	29-12	1959	Tue	197 764 764 30 30 = = 00588 65072 81354 ... 28398 72102 14339 = = 764 764 30 30 000	CW	(AB)
M01	5230	31-12	1800	Thu	197 376 376 30 30 = = message	CW	(AB-RUS/MPJ)
M01	4490	31-12	2000	Thu	197 431 31 30 30 = = 66820 62925 22070 ... 07564 86494 17556 = = 431 431 3 30 000	CW	(AB)
M01a	9051	13-12	1534	Sun	i.p. 00000 00009 = = 54142 97164 30 809 809 809 65862 65862 111 999 00990 00014 = = 10695 75180 75522 ... 31633 46651 29857 = = 00990 00014 00000	CW	(Tom)
M01a	5757	14-12	0945	Mon	724 724 724 45109 45109 (rpt)	CW	(Gwr)
M01a	5757	14-12	0951	Mon	724 724 724 45434 45434 (rpt)	CW	(Gwr)
M01a	5757	14-12	1025	Mon	724 724 724 54345 54345 = = 00150 00009 00000	CW	(Gwr)
M12	9317	1-12	0530	Tue	135 135 135 1 6067 106 6067 106 92916 29923 34724 ... 09946 45944 23194 000 000	CW	(AB-RUS)
M12	10484	1-12	0550	Tue	135 135 135 1 6067 106 6067 106 92916 29923 34724 ... 09946 45944 23194 000 000	CW	(AB-RUS)
M12	11552	1-12	0610	Tue	135 135 135 1 6067 106 6067 106 92916 29923 34724 ... 09946 45944 23194 000 000	CW	(AB-RUS)
M12	14377	1-12	1200	Tue	317 317 317 1 5412 96 5412 96 81109 15210 20385 ... 52921 82389 39174 000 000	CW	(AB/MPJ/HFD)

M12	13461	1-12	1220	Tue	317 317 317 1 5412 96 5412 96 81109 15210 20385 ... 52921 82389 39174 000 000	CW	(AB/MPJ/HFD)
M12	12114	1-12	1240	Tue	317 317 317 1 5412 96 5412 96 81109 15210 20385 ... 52921 82389 39174 000 000	CW	(AB/MPJ/HFD)
M12	16234	2-12	0800	Wed	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	17434	2-12	0820	Wed	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	18234	2-12	0840	Wed	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	12162	2-12	1710	Wed	546 1 6334 104 92853 74861 19115 ... 95311 53901 76768 000 000	CW	(MPJ-POL)
M12	11566	2-12	1730	Wed	546 1 6334 104 92853 74861 19115 ... 95311 53901 76768 000 000	CW	(MPJ-POL)
M12	10711	2-12	1750	Wed	546 1 6334 104 92853 74861 19115 ... 95311 53901 76768 000 000	CW	(MPJ-POL)
M12	11435	2-12	1810	Wed	938 938 938 1 8137 74 8137 74 55305 61824 90411 ... 51387 74673 76744 000 000	CW	(AB-RUS)
M12	10598	2-12	1830	Wed	938 938 938 1 8137 74 8137 74 55305 61824 90411 ... 51387 74673 76744 000 000	CW	(AB-FIN)
M12	9327	2-12	1850	Wed	938 938 938 1 8137 74 8137 74 55305 61824 90411 ... 51387 74673 76744 000 000	CW	(AB-FIN)
M12	6908	2-12	2050	Wed	985 985 985 000	CW	(HFD)
M12	5808	2-12	2110	Wed	985 985 985 000	CW	(HFD)
M12	12162	3-12	1700	Thu	546 546 546 1 3386 111 3386 111 23729 08560 18841 ... 77869 32969 53761 000 000	CW	(AB-RUS)
M12	11566	3-12	1720	Thu	546 546 546 1 3386 111 3386 111 23729 08560 18841 ... 77869 32969 53761 000 000	CW	(AB-RUS)
M12	10711	3-12	1740	Thu	546 546 546 1 3386 111 3386 111 23729 08560 18841 ... 77869 32969 53761 000 000	CW	(AB-RUS)
M12	12162	3-12	1800	Thu	546 546 546 1 1116 109 1116 109 91688 85183 56740 ... 54627 14706 67115 000 000	CW	(AB-RUS)
M12	11566	3-12	1820	Thu	546 546 546 1 1116 109 1116 109 91688 85183 56740 ... 54627 14706 67115 000 000	CW	(AB-RUS)
M12	10711	3-12	1840	Thu	546 546 546 1 1116 109 1116 109 91688 85183 56740 ... 54627 14706 67115 000 000	CW	(AB-RUS)
M12	14377	3-12	2000	Thu	317 317 317 1 4955 103 4955 103 62695 95074 07892 ... 38565 21333 09878 000 000	CW	(AB-RUS)
M12	13461	3-12	2020	Thu	317 317 317 1 4955 103 4955 103 62695 95074 07892 ... 38565 21333 09878 000 000	CW	(AB-RUS)
M12	12114	3-12	2040	Thu	317 317 317 1 4955 103 4955 103 62695 95074 07892 ... 38565 21333 09878 000 000	CW	(AB-RUS)
M12	6937	3-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	3-12	2230	Thu	975 975 975 000	CW	(AB)
M12	6832	4-12	0030	Fri	851 851 851 1 5698 92 5698 92 52244 66967 26805 ... 10942 67974 72416 000 000	CW	(AB)
M12	7532	4-12	0050	Fri	851 851 851 1 5698 92 5698 92 52244 66967 26805 ... 10942 67974 72416 000 000	CW	(AB)
M12	8132	4-12	0110	Fri	851 851 851 1 5698 92 5698 92 52244 66967 26805 ... 10942 67974 72416 000 000	CW	(AB/ER-HOL)
M12	6908	4-12	2050	Fri	985 985 985 000	CW	(AB)
M12	5808	4-12	2110	Fri	985 985 985 000	CW	(AB)
M12	5832	4-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	4-12	2220	Fri	887 887 887 000	CW	(AB)
M12	5832	5-12	2200	Sat	887 887 887 000	CW	(AB)
M12	6832	5-12	2220	Sat	887 887 887 000	CW	(AB)
M12	9379	6-12	0110	Sun	314 314 314 1 9911 106 9911 106 48443 13908 65285 ... 21221 75854 39321 000 000	CW	(AB)
M12	8179	6-12	0130	Sun	314 314 314 1 9911 106 9911 106 48443 13908 65285 ... 21221 75854 39321 000 000	CW	(AB)
M12	7479	6-12	0150	Sun	314 314 314 1 9911 106 9911 106 48443 13908 65285 ... 21221 75854 39321 000 000	CW	(AB)
M12	16234	6-12	0800	Sun	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	17434	6-12	0820	Sun	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	18234	6-12	0840	Sun	242 242 242 1 8412 79 8412 79 46248 44383 44649 ... 78277 21208 49734 000 000	CW	(AB)
M12	14377	7-12	1300	Mon	317 317 317 1 7838 99 7838 99 50326 75812 11228 ... 81977 56114 45813 000 000	CW	(AB)
M12	13461	7-12	1320	Mon	317 317 317 1 7838 99 7838 99 50326 75812 11228 ... 81977 56114 45813 000 000	CW	(AB)
M12	12114	7-12	1340	Mon	317 317 317 1 7838 99 7838 99 50326 75812 11228 ... 81977 56114 45813 000 000	CW	(AB)
M12	6937	7-12	2210	Mon	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	5737	7-12	2230	Mon	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	4537	7-12	2250	Mon	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	9134	7-12	2300	Mon	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)
M12	8134	7-12	2320	Mon	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)

M12	7534	7-12	2340	Mon	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)
M12	9317	8-12	0530	Tue	135 135 135 1 1211 112 1211 112 24161 39645 47403 ... 39620 95629 83877 000 000	CW	(AB-RUS)
M12	10484	8-12	0550	Tue	135 135 135 1 1211 112 1211 112 24161 39645 47403 ... 39620 95629 83877 000 000	CW	(AB-RUS)
M12	11552	8-12	0610	Tue	135 135 135 1 1211 112 1211 112 24161 39645 47403 ... 39620 95629 83877 000 000	CW	(AB-RUS)
M12	14377	8-12	1200	Tue	317 317 317 1 5060 98 5060 98 21821 05532 94369 ... 67211 87775 43350 000 000	CW	(AB/MPJ)
M12	13461	8-12	1220	Tue	317 317 317 1 5060 98 5060 98 21821 05532 94369 ... 67211 87775 43350 000 000	CW	(AB/MPJ)
M12	12114	8-12	1240	Tue	317 317 317 1 5060 98 5060 98 21821 05532 94369 ... 67211 87775 43350 000 000	CW	(AB/MPJ)
M12	16234	9-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	9-12	0820	Wed	242 242 242 000	CW	(AB)
M12	12162	9-12	1710	Wed	546 1 8938 112 17226 42411 64381 ... 62465 83549 92597 000 000	CW	(MPJ-RUS)
M12	11566	9-12	1730	Wed	546 1 8938 112 17226 42411 64381 ... 62465 83549 92597 000 000	CW	(MPJ-RUS)
M12	10711	9-12	1750	Wed	546 1 8938 112 17226 42411 64381 ... 62465 83549 92597 000 000	CW	(MPJ-RUS)
M12	11435	9-12	1810	Wed	938 938 938 1 2220 78 2220 78 39743 18423 59507 ... 25090 44219 55782 000 000	CW	(AB-RUS)
M12	10343	9-12	1830	Wed	124 124 124 1 9202 79 9202 79 05375 51659 74022 ... 67935 98035 39793 000 000	CW	(AB)
M12	10598	9-12	1830	Wed	938 938 938 1 2220 78 2220 78 39743 18423 59507 ... 25090 44219 55782 000 000	CW	(AB-FIN)
M12	9264	9-12	1850	Wed	124 124 124 1 9202 79 9202 79 05375 51659 74022 ... 67935 98035 39793 000 000	CW	(AB)
M12	9327	9-12	1850	Wed	938 938 938 1 2220 78 2220 78 39743 18423 59507 ... 25090 44219 55782 000 000	CW	(AB-FIN)
M12	8116	9-12	1910	Wed	124 124 124 1 9202 79 9202 79 05375 51659 74022 ... 67935 98035 39793 000 000	CW	(AB)
M12	6908	9-12	2050	Wed	985 985 985 000	CW	(AB)
M12	5808	9-12	2110	Wed	985 985 985 000	CW	(AB)
M12	9379	10-12	0110	Thu	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)
M12	8179	10-12	0130	Thu	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)
M12	7479	10-12	0150	Thu	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)
M12	12162	10-12	1700	Thu	546 546 546 1 2801 111 2801 111 98025 36025 72097 ... 77073 55366 84572 000 000	CW	(AB-RUS)
M12	11566	10-12	1720	Thu	546 546 546 1 2801 111 2801 111 98025 36025 72097 ... 77073 55366 84572 000 000	CW	(AB-RUS)
M12	10711	10-12	1740	Thu	546 546 546 1 2801 111 2801 111 98025 36025 72097 ... 77073 55366 84572 000 000	CW	(AB-RUS)
M12	12162	10-12	1800	Thu	546 546 546 1 7485 111 7485 111 60033 27718 33066 ... 41747 95681 15001 000 000	CW	(AB-RUS)
M12	11566	10-12	1820	Thu	546 546 546 1 7485 111 7485 111 60033 27718 33066 ... 41747 95681 15001 000 000	CW	(AB-RUS)
M12	10711	10-12	1840	Thu	546 546 546 1 7485 111 7485 111 60033 27718 33066 ... 41747 95681 15001 000 000	CW	(AB-RUS)
M12	14377	10-12	2000	Thu	317 317 317 1 2982 109 2982 109 07263 54004 67392 ... 02424 15866 64003 000 000	CW	(AB-RUS)
M12	13461	10-12	2020	Thu	317 317 317 1 2982 109 2982 109 07263 54004 67392 ... 02424 15866 64003 000 000	CW	(AB-RUS)
M12	12114	10-12	2040	Thu	317 317 317 1 2982 109 2982 109 07263 54004 67392 ... 02424 15866 64003 000 000	CW	(AB-RUS)
M12	6937	10-12	2210	Thu	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	5737	10-12	2230	Thu	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	4537	10-12	2250	Thu	975 975 975 1 174 72 174 72 92456 82615 90979 ... 94453 46260 71457 000 000	CW	(AB)
M12	9134	10-12	2300	Thu	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)
M12	8134	10-12	2320	Thu	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)
M12	7534	10-12	2340	Thu	457 457 457 1 342 59 342 59 50569 13761 96961 ... 12201 15402 11575 000 000	CW	(AB)
M12	6832	11-12	0030	Fri	851 851 851 000	CW	(AB)
M12	7532	11-12	0050	Fri	851 851 851 000	CW	(AB)
M12	6908	11-12	2050	Fri	985 985 985 000	CW	(AB)
M12	5808	11-12	2110	Fri	985 985 985 000	CW	(AB)
M12	5832	11-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	11-12	2220	Fri	887 887 887 000	CW	(AB)
M12	5832	12-12	2200	Sat	887 887 887 000	CW	(AB)
M12	6832	12-12	2220	Sat	887 887 887 000	CW	(AB)
M12	9379	13-12	0110	Sun	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)

M12	8179	13-12	0130	Sun	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)
M12	7479	13-12	0150	Sun	314 314 314 1 557 86 557 86 98380 87791 80522 ... 85693 07838 17370 000 000	CW	(AB)
M12	16234	13-12	0800	Sun	242 242 242 000	CW	(AB)
M12	17434	13-12	0820	Sun	242 242 242 000	CW	(AB)
M12	14377	14-12	1300	Mon	317 317 317 1 4824 95 4824 95 81702 42036 45580 ... 61883 18645 85003 000 000	CW	(AB/MPJ)
M12	13461	14-12	1320	Mon	317 317 317 1 4824 95 4824 95 81702 42036 45580 ... 61883 18645 85003 000 000	CW	(AB/MPJ)
M12	12114	14-12	1340	Mon	317 317 317 1 4824 95 4824 95 81702 42036 45580 ... 61883 18645 85003 000 000	CW	(AB/MPJ)
M12	6937	14-12	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	14-12	2230	Mon	975 975 975 000	CW	(AB)
M12	9134	14-12	2300	Mon	457 457 457 000	CW	(AB)
M12	8134	14-12	2320	Mon	457 457 457 000	CW	(AB)
M12	6832	15-12	0030	Tue	851 851 851 000	CW	(AB)
M12	7532	15-12	0050	Tue	851 851 851 000	CW	(AB)
M12	9317	15-12	0530	Tue	135 135 135 1 5435 110 5435 110 59000 41194 13987 ... 92605 58233 64013 000 000	CW	(AB)
M12	10484	15-12	0550	Tue	135 135 135 1 5435 110 5435 110 59000 41194 13987 ... 92605 58233 64013 000 000	CW	(AB-RUS)
M12	11552	15-12	0610	Tue	135 135 135 1 5435 110 5435 110 59000 41194 13987 ... 92605 58233 64013 000 000	CW	(AB-RUS)
M12	14377	15-12	1200	Tue	317 317 317 1 6530 97 6530 97 45572 66592 62137 ... 39407 48533 09364 000 000	CW	(AB/MPJ)
M12	13461	15-12	1220	Tue	317 317 317 1 6530 97 6530 97 45572 66592 62137 ... 39407 48533 09364 000 000	CW	(AB/MPJ)
M12	12114	15-12	1240	Tue	317 317 317 1 6530 97 6530 97 45572 66592 62137 ... 39407 48533 09364 000 000	CW	(AB/MPJ)
M12	16234	16-12	0800	Wed	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	17434	16-12	0820	Wed	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	18234	16-12	0840	Wed	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	12162	16-12	1710	Wed	546 546 546 1 8855 112 8855 112 04378 05597 63113 ... 35241 51652 59054 000 000	CW	(AB-POL)
M12	11566	16-12	1730	Wed	546 546 546 1 8855 112 8855 112 04378 05597 63113 ... 35241 51652 59054 000 000	CW	(AB-POL)
M12	10711	16-12	1750	Wed	546 546 546 1 8855 112 8855 112 04378 05597 63113 ... 35241 51652 59054 000 000	CW	(AB-POL)
M12	11435	16-12	1810	Wed	938 938 938 1 8640 70 8640 70 70114 39102 36416 ... 18054 98905 67896 000 000	CW	(AB-POL)
M12	10343	16-12	1830	Wed	124 124 124 1 1600 70 1600 70 ...	CW	(AB)
M12	10598	16-12	1830	Wed	938 938 938 1 8640 70 8640 70 70114 39102 36416 ... 18054 98905 67896 000 000	CW	(AB-POL)
M12	9264	16-12	1850	Wed	124 124 124 1 1600 70 1600 70 ...	CW	(AB)
M12	9327	16-12	1850	Wed	938 938 938 1 8640 70 8640 70 70114 39102 36416 ... 18054 98905 67896 000 000	CW	(AB-POL)
M12	8116	16-12	1910	Wed	124 124 124 1 1600 70 1600 70 ...	CW	(AB)
M12	6908	16-12	2050	Wed	985 985 985 000	CW	(AB/RL)
M12	5808	16-12	2110	Wed	985 985 985 000	CW	(AB/RL)
M12	9379	17-12	0110	Thu	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	8179	17-12	0130	Thu	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	7479	17-12	0150	Thu	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	12162	17-12	1700	Thu	546 546 546 1 unreadable	CW	(AB-RUS/HFD)
M12	11566	17-12	1720	Thu	546 546 546 1 unreadable	CW	(AB-RUS/HFD)
M12	10711	17-12	1740	Thu	546 546 546 1 unreadable	CW	(AB-RUS/SP1/HFD)
M12	6937	17-12	2210	Thu	975 975 975 000	CW	(AB/HFD)
M12	5737	17-12	2230	Thu	975 975 975 000	CW	(AB/HFD)
M12	9134	17-12	2300	Thu	457 457 457 000	CW	(AB)
M12	8134	17-12	2320	Thu	457 457 457 000	CW	(AB/RL)
M12	6832	18-12	0030	Fri	851 851 851 000	CW	(AB/RL)
M12	7532	18-12	0050	Fri	851 851 851 000	CW	(AB/RL)
M12	6908	18-12	2050	Fri	985 985 985 000	CW	(AB/RL/SP1)
M12	5808	18-12	2110	Fri	985 985 985 000	CW	(AB/RL/SP1)

M12	5832	18-12	2200	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/RL)
M12	6832	18-12	2220	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/RL/SP1)
M12	7732	18-12	2240	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/RL)
M12	5832	19-12	2200	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/HFD)
M12	6832	19-12	2220	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/HFD)
M12	7732	19-12	2240	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB/HFD)
M12	9379	20-12	0110	Sun	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	8179	20-12	0130	Sun	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	7479	20-12	0150	Sun	314 314 314 1 9479 90 9479 90 10412 74628 14547 ... 81055 22501 88514 000 000	CW	(AB)
M12	16234	20-12	0800	Sun	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	17434	20-12	0820	Sun	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	18234	20-12	0840	Sun	242 242 242 1 197 137 197 137 54571 69817 33595 ... 75965 15208 03030 000 000	CW	(AB)
M12	14377	21-12	1300	Mon	317 317 317 1 7226 99 7226 99 26568 92910 49356 ... 30052 57123 64345 000 000	CW	(AB/MPJ)
M12	13461	21-12	1320	Mon	317 317 317 1 7226 99 7226 99 26568 92910 49356 ... 30052 57123 64345 000 000	CW	(AB/MPJ)
M12	12114	21-12	1340	Mon	317 317 317 1 7226 99 7226 99 26568 92910 49356 ... 30052 57123 64345 000 000	CW	(AB/MPJ)
M12	6937	21-12	2210	Mon	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB)
M12	5737	21-12	2230	Mon	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB/RL)
M12	4537	21-12	2250	Mon	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB/RL)
M12	9134	21-12	2300	Mon	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB/RL)
M12	8134	21-12	2320	Mon	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB/RL)
M12	7534	21-12	2340	Mon	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB/RL)
M12	6832	22-12	0030	Tue	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	7532	22-12	0050	Tue	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	8132	22-12	0110	Tue	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	9317	22-12	0530	Tue	Restart after 2 minutes 135 135 135 1 3094 107 3094 107 message unreadble	CW	(AB)
M12	10484	22-12	0550	Tue	135 135 135 1 3094 107 3094 107 message unreadble	CW	(AB-RUS)
M12	11552	22-12	0610	Tue	135 135 135 1 3094 107 3094 107 message unreadble	CW	(AB-RUS)
M12	14377	22-12	1200	Tue	317 317 317 1 1524 95 1524 95 23800 72753 97836 ... 57275 07526 69380 000 000	CW	(AB/MPJ)
M12	13461	22-12	1220	Tue	317 317 317 1 1524 95 1524 95 23800 72753 97836 ... 57275 07526 69380 000 000	CW	(AB/MPJ)
M12	12114	22-12	1240	Tue	317 317 317 1 1524 95 1524 95 23800 72753 97836 ... 57275 07526 69380 000 000	CW	(AB/MPJ)
M12	16234	23-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	23-12	0820	Wed	242 242 242 000	CW	(AB)
M12	12162	23-12	1710	Wed	546 546 546 1 8318 112 8318 112 53083 20337 03834 ... 28655 55212 54349 000 000	CW	(AB-POL/MPJ)
M12	11566	23-12	1730	Wed	546 546 546 1 8318 112 8318 112 53083 20337 03834 ... 28655 55212 54349 000 000	CW	(AB-POL/MPJ)
M12	10711	23-12	1750	Wed	546 546 546 1 8318 112 8318 112 53083 20337 03834 ... 28655 55212 54349 000 000	CW	(AB-POL/MPJ)
M12	11435	23-12	1810	Wed	938 938 938 1 ... unreadable	CW	(AB-POL)
M12	10343	23-12	1830	Wed	124 124 124 1 3579 70 3579 70 73544 10147 44619 ... 97451 47957 31044 000 000	CW	(AB)
M12	10598	23-12	1830	Wed	938 938 938 1 ... unreadable	CW	(AB-POL)
M12	9264	23-12	1850	Wed	124 124 124 1 3579 70 3579 70 73544 10147 44619 ... 97451 47957 31044 000 000	CW	(AB)
M12	9327	23-12	1850	Wed	938 938 938 1 ... unreadable	CW	(AB-POL)
M12	8116	23-12	1910	Wed	124 124 124 1 3579 70 3579 70 73544 10147 44619 ... 97451 47957 31044 000 000	CW	(AB/MPJ)
M12	6908	23-12	2050	Wed	985 985 985 000	CW	(AB/RL)
M12	5808	23-12	2110	Wed	985 985 985 000	CW	(AB/RL)
M12	9379	24-12	0110	Thu	314 314 314 000	CW	(AB)
M12	8179	24-12	0130	Thu	314 314 314 000	CW	(AB)
M12	12162	24-12	1700	Thu	546 546 546 1 1008 104 1008 104 49384 85707 58186 ... 02743 23271 88085 000 000	CW	(AB)
M12	11566	24-12	1720	Thu	546 546 546 1 1008 104 1008 104 49384 85707 58186 ... 02743 23271 88085 000 000	CW	(AB)

M12	10711	24-12	1740	Thu	546 546 546 1 1008 104 1008 104 49384 85707 58186 ... 02743 23271 88085 000 000	CW	(AB)
M12	12162	24-12	1800	Thu	546 546 546 1 8536 108 8536 108 05338 56961 76058 ... 25725 04449 90054 000 000	CW	(AB-POL)
M12	11566	24-12	1820	Thu	546 546 546 1 8536 108 8536 108 05338 56961 76058 ... 25725 04449 90054 000 000	CW	(AB)
M12	10711	24-12	1840	Thu	546 546 546 1 8536 108 8536 108 05338 56961 76058 ... 25725 04449 90054 000 000	CW	(AB)
M12	6937	24-12	2210	Thu	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB)
M12	5737	24-12	2230	Thu	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB)
M12	4537	24-12	2250	Thu	975 975 975 1 9508 81 9508 81 59093 05372 10857 ... 31157 77397 92547 000 000	CW	(AB)
M12	9134	24-12	2300	Thu	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB)
M12	8134	24-12	2320	Thu	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB)
M12	7534	24-12	2340	Thu	457 457 457 1 3963 145 3963 145 54957 53736 49873 ... 59691 56967 76580 000 000	CW	(AB)
M12	6832	25-12	0030	Fri	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	7532	25-12	0050	Fri	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	8132	25-12	0110	Fri	851 851 851 1 6117 106 6117 106 61339 95395 16602 ... 15578 23244 01663 000 000	CW	(AB)
M12	6908	25-12	2050	Fri	985 985 985 000	CW	(AB)
M12	5808	25-12	2110	Fri	985 985 985 000	CW	(AB)
M12	5832	25-12	2200	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	6832	25-12	2220	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	7732	25-12	2240	Fri	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	5832	26-12	2200	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	6832	26-12	2220	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	7732	26-12	2240	Sat	887 887 887 1 9725 56 9725 56 78546 21442 32246 ... 57595 70560 18018 000 000	CW	(AB)
M12	9379	27-12	0110	Sun	314 314 314 000	CW	(AB)
M12	8179	27-12	0130	Sun	314 314 314 000	CW	(AB)
M12	16234	27-12	0800	Sun	242 242 242 000	CW	(AB)
M12	17434	27-12	0820	Sun	242 242 242 000	CW	(AB)
M12	14947	28-12	0010	Mon	941 941 941 000	CW	(HFD)
M12	6832	28-12	0030	Mon	851 851 851 000	CW	(AB)
M12	13447	28-12	0030	Mon	941 941 941 000	CW	(HFD)
M12	14377	28-12	1300	Mon	317 317 317 1 9926 96 9926 96 42487 58724 75963 ... 52519 84002 83253 000 000	CW	(AB/RL)
M12	13461	28-12	1320	Mon	317 317 317 1 9926 96 9926 96 42487 58724 75963 ... 52519 84002 83253 000 000	CW	(AB/RL)
M12	12114	28-12	1340	Mon	317 317 317 1 9926 96 9926 96 42487 58724 75963 ... 52519 84002 83253 000 000	CW	(AB/RL)
M12	6937	28-12	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	28-12	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	7532	29-12	0050	Tue	851 851 851 000	CW	(AB)
M12	9317	29-12	0530	Tue	135 135 135 1 779 111 779 111 27825 34894 57668 ... 05076 14309 25034 000 000	CW	(AB-POL)
M12	10484	29-12	0550	Tue	135 135 135 1 779 111 779 111 27825 34894 57668 ... 05076 14309 25034 000 000	CW	(AB)
M12	11552	29-12	0610	Tue	135 135 135 1 779 111 779 111 27825 34894 57668 ... 05076 14309 25034 000 000	CW	(AB-RUS)
M12	14377	29-12	1200	Tue	317 317 317 1 4954 99 4954 99 19247 86602 44399 ... 85322 79492 50110 000 000	CW	(AB/MPJ/FT)
M12	13461	29-12	1220	Tue	317 317 317 1 4954 99 4954 99 19247 86602 44399 ... 85322 79492 50110 000 000	CW	(AB/RL/MPJ/FT)
M12	12114	29-12	1240	Tue	317 317 317 1 4954 99 4954 99 19247 86602 44399 ... 85322 79492 50110 000 000	CW	(AB/RL/MPJ)
M12	16234	30-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	30-12	0820	Wed	242 242 242 000	CW	(AB)
M12	12162	30-12	1710	Wed	546 546 546 1 1279 110 1279 110 09669 83404 26455 ... 51028 09775 62240 000 000	CW	(AB-POL)
M12	11566	30-12	1730	Wed	546 546 546 1 1279 110 1279 110 09669 83404 26455 ... 51028 09775 62240 000 000	CW	(AB-POL)
M12	10711	30-12	1750	Wed	546 546 546 1 1279 110 1279 110 09669 83404 26455 ... 51028 09775 62240 000 000	CW	(AB-POL)
M12	11435	30-12	1810	Wed	938 938 938 1 4219 73 4219 73 51227 94999 96600 ... 67793 25007 58424 000 000	CW	(AB-POL)
M12	10343	30-12	1830	Wed	124 124 124 1 7448 71 7448 71 68911 16366 91174 ... 57591 60756 83100 000 000	CW	(AB-POL)

M12	10598	30-12	1830	Wed	938 938 938 1 4219 73 4219 73 51227 94999 96600 ... 67793 25007 58424 000 000	CW	(AB-POL)
M12	9264	30-12	1850	Wed	124 124 124 1 7448 71 7448 71 68911 16366 91174 ... 57591 60756 83100 000 000	CW	(AB-POL)
M12	9327	30-12	1850	Wed	938 938 938 1 4219 73 4219 73 51227 94999 96600 ... 67793 25007 58424 000 000	CW	(AB-POL)
M12	8116	30-12	1910	Wed	124 124 124 1 7448 71 7448 71 68911 16366 91174 ... 57591 60756 83100 000 000	CW	(AB-POL)
M12	6908	30-12	2050	Wed	985 985 985 000	CW	(AB/RL)
M12	5808	30-12	2110	Wed	985 985 985 000	CW	(AB/RL)
M12	9379	31-12	0110	Thu	314 314 314 000	CW	(AB)
M12	8179	31-12	0130	Thu	314 314 314 000	CW	(AB)
M12	6937	31-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	31-12	2230	Thu	975 975 975 000	CW	(AB)
M12	9134	31-12	2300	Thu	457 457 457 000	CW	(AB)
M12	8134	31-12	2320	Thu	457 457 457 000	CW	(AB)
M14	12214	8-12	0700	Tue	Replaced F06 link 70202: 910 326 326 45 45 == 01299 59208 60210 ... 92999 91693 44827 == 326 326 45 45 00000	CW	(AB)
M14	17458	10-12	0930	Thu	617 617 617 00000	CW	(AB)
M14	17458	25-12	0930	Fri	617 617 617 00000	CW	(AB)
M21	3322	27-12	1951	Sun	=92254??0????	CW	(F5OIH)
M22	6607	19-12	1816	Sat	VVV DE 4XZ 4XZ = = followed by a traffic list and messages	CW	(AB)
M22	6607	23-12	1506	Wed	VVV DE 4XZ 4XZ = = NR 953 HR V QZ0B 016132 CN8R GR 08 = = etc	CW	(AB)
M22	9318	29-12	1447	Tue	4XZ messages i.p.	CW	(AB)
M22	4331	30-12	2123	Wed	VVV DE 4XZ 4XZ = = //6607, 9360 kHz	CW	(Tom)
M22	6607	30-12	2123	Wed	VVV DE 4XZ 4XZ = = //4331, 9360 kHz	CW	(Tom)
M22	9360	30-12	2123	Wed	VVV DE 4XZ 4XZ = = //4331, 6607 kHz	CW	(Tom)
M23	5345	21-12	1910	Mon	ST3 (R)	CW	(JPL-RUS)
M23	5345	28-12	1909	Mon	ST3 (R)	CW	(JPL-RUS)
M23	5345	29-12	0856	Tue	ST3 (R20)	CW	(AB)
M23	5345	29-12	1856	Tue	ST3 (R20)	CW	(AB/JPL)
M23	5345	30-12	0856	Wed	ST3 (R20)	CW	(AB)
M23	5345	30-12	1856	Wed	ST3 (R20)	CW	(AB/F5OIH)
M23	5345	31-12	0856	Thu	ST3 (R20)	CW	(AB)
M23	5345	31-12	1856	Thu	ST3 (R20)	CW	(AB)
M32	5387	1-12	1052	Tue	XXX XXX WEGI WEGI 22620 FATOMAYaK 0633 0093 K //5759 kHz	CW	(Gwr)
M32	5387	1-12	1058	Tue	XXX XXX WEGI WEGI 92149 MAGAZINShchIK 6115 8291 FOKOGANG 6111 7966 K	CW	(Gwr)
M32	5759	1-12	1058	Tue	XXX XXX WEGI WEGI 22620 FATOMAYaK 0633 0093 K //5387 kHz	CW	(Gwr)
M32	5387	1-12	1104	Tue	XXX XXX N1D' N1D' F2ET F2ET 56047 59471 FONDOSHU 1082 5097 SOYuzOGLAZ 0300 0427 K	CW	(Gwr)
M32	5759	1-12	1104	Tue	XXX XXX N1D' N1D' F2ET F2ET 56047 59471 FONDOSHU 1082 5097 SOYuzOGLAZ 0300 0427 K	CW	(Gwr)
M32	5759	1-12	1108	Tue	XXX XXX 1ShchRF 1ShchRF 30406 SIGAROChNICA 7299 2657 K	CW	(Gwr)
M32	5387	1-12	1110	Tue	XXX XXX WEGI WEGI 73538 AMBRAZURA 7182 8177 OTMETINA 4044 2852 K	CW	(Gwr)
M32	5387	1-12	1113	Tue	XXX XXX WLHN WLHN 38918 38564 28856 01270 33958 TOLKOSHNEK 7366 1632 K	CW	(Gwr)
M32	5387	1-12	1120	Tue	XXX XXX ONG4 ONG4 23512 GAKYuWORS 7470 6608 K	CW	(Gwr)
M32	5387	1-12	1128	Tue	XXX XXX WEGI WEGI 34108 PUAZOSHAG 2291 5975 K	CW	(Gwr)
M32	5387	1-12	1135	Tue	XXX XXX WLHN WLHN 36414 24093 08013 POKLONNICA 8074 5278 K	CW	(Gwr)
M32	5387	1-12	1138	Tue	XXX XXX N1D' N1D' 22087 NEUSIDChiWYJ 8660 4831 K	CW	(Gwr)
M32	5373	1-12	1152	Tue	XXX XXX ONG4 ONG4 34097 ODEROSHANS 6990 3043 AWIABENZIN 2626 7267 K	CW	(Gwr)
M32	5387	1-12	1214	Tue	XXX XXX WEGI WEGI 87469 RANGOChET 8324 6784 K	CW	(Gwr)
M32	5387	1-12	1244	Tue	XXX XXX WEGI WEGI 83439 ODEROKOD 7696 3486 K	CW	(Gwr)
M32	5180	1-12	1252	Tue	8S1Shch 89530 KRYeSTIK 6353 9647 //5448 kHz Voice	CW	(Gwr)

M32	5456.5	2-12	1021	Wed	XXX XXX WEGI WEGI 21085 KLUBOBOG 9955 1879 K	CW	(Gwr)
M32	5456.5	2-12	1035	Wed	XXX XXX WEGI WEGI 83418 OBOLOChKOWYJ 7175 4285 K	CW	(Gwr)
M32	5456.5	2-12	1040	Wed	XXX XXX WEGI WEGI 73072 SPASOMETR 6172 0353 RWAN'E 0734 0948 K	CW	(Gwr)
M32	5456.5	2-12	1040	Wed	XXX XXX WLHN WLHN 01795 34447 50498 53840 41951 PODROST 9650 7239 K	CW	(Gwr)
M32	5759	2-12	1048	Wed	XXX XXX 1ShchRF 1ShchRF 20589 NATMOBORT 8298 7644 K	CW	(Gwr)
M32	5456.5	2-12	1055	Wed	XXX XXX WEGI WEGI 12661 URONOBREST 8103 1094 K	CW	(Gwr)
M32	5456.5	2-12	1105	Wed	XXX XXX WEGI WEGI 14085 OBNAZhEN'E 0684 6029 K	CW	(Gwr)
M32	5456.5	2-12	1107	Wed	XXX XXX WEGI WEGI 23801 DOCh' 8126 9910 K	CW	(Gwr)
M32	5456.5	2-12	1114	Wed	XXX XXX WLHN WLHN 83724 07537 70455 TITROSYN 1857 5262 K	CW	(Gwr)
M32	5456.5	2-12	1118	Wed	XXX XXX N1D' N1D' 45905 STULOHOR 6681 9151 K	CW	(Gwr)
M32	5881.5	2-12	1219	Wed	XXX XXX DMSB DMSB 47340 OGURCOWA 4436 2824 K	CW	(Gwr)
M32	5387	3-12	1003	Thu	XXX XXX WEGI WEGI 66022 POTREBA 8190 5980 K	CW	(Gwr)
M32	4649	3-12	1006	Thu	XXX XXX 1ShchRF 1ShchRF 77939 POTREBA 8190 5980 K	CW	(Gwr)
M32	4855	3-12	1013	Thu	XXX XXX VN9B VN9B 45609 RULEZhKA 0407 6539 K	CW	(Gwr)
M32	5759	3-12	1016	Thu	XXX XXX WEGI WEGI 66022 POTREBA 8190 5980 K	CW	(Gwr)
M32	5759	3-12	1023	Thu	XXX XXX WEGI WEGI 20832 AULOSRUB 9181 5299 K	CW	(Gwr)
M32	5387	3-12	1027	Thu	XXX XXX WEGI WEGI 18105 DOLGOKLAN 6136 5720 PUDOGIMN 0705 1325 K	CW	(Gwr)
M32	5759	3-12	1032	Thu	XXX XXX N1D' N1D' F2ET F2ET 45669 88331 PUHOZUB 5175 1867 FASOGERB 0827 5403 K	CW	(Gwr)
M32	5759	3-12	1043	Thu	XXX XXX 1ShchRF 1ShchRF 56416 FARTODIM 8359 1708 K	CW	(Gwr)
M32	4649	3-12	1044	Thu	XXX XXX 1ShchRF 1ShchRF 13096 FARTODIM 8359 1708 K	CW	(Gwr)
M32	5387	3-12	1046	Thu	XXX XXX WEGI WEGI 56888 RADIJ 7143 8860 STAZhORUR 7898 9979 K	CW	(Gwr)
M32	5387	3-12	1051	Thu	XXX XXX WLHN WLHN 30563 24398 61516 55846 80051 FADOGRAD 7952 6034 K	CW	(Gwr)
M32	5387	3-12	1057	Thu	XXX XXX WEGI WEGI 39096 RYBOWEDENIE 5461 7297 K	CW	(Gwr)
M32	5387	3-12	1101	Thu	XXX XXX WEGI WEGI 10747 KABOTAZhNIK 8136 8936 K	CW	(Gwr)
M32	5387	3-12	1108	Thu	XXX XXX WLHN WLHN 49293 56430 36166 MEhROZWYak 9135 6707 K	CW	(Gwr)
M32	5387	3-12	1110	Thu	XXX XXX N1D' N1D' 49411 STAZOTOLK 0257 9379 K	CW	(Gwr)
M32	5387	3-12	1213	Thu	XXX XXX WEGI WEGI 84416 SPIDOMOPS 8335 2113 K	CW	(Gwr)
M32	5387	3-12	1231	Thu	XXX XXX WEGI WEGI 56187 TRUDOKRYM 3706 2743 K	CW	(Gwr)
M32	12741	3-12	1255	Thu	XXX XXX WEGI WEGI 27252 39096 RYBOWEDENIE 5461 7297 K	FSK CW	(AB)
M32	5387	4-12	1000	Fri	XXX XXX WEGI WEGI 71382 NEONOKWIT 1308 3814 K	CW	(Gwr)
M32	5387	4-12	1015	Fri	XXX XXX WEGI WEGI 05224 SLOMOLUN' 6384 6700 K	CW	(Gwr)
M32	5387	4-12	1021	Fri	XXX XXX WEGI WEGI 09646 TAZOROD 6115 9845 RAPORTichKA 3196 2771 K	CW	(Gwr)
M32	5387	4-12	1026	Fri	XXX XXX N1D' N1D' F2ET F2ET 54839 53194 KAIROHOR 9098 7571 K	CW	(Gwr)
M32	5374	4-12	1033	Fri	XXX XXX ONG4 ONG4 48094 BOREJ 4443 4553 K	CW	(Gwr)
M32	4649	4-12	1035	Fri	XXX XXX 1ShchRF 1ShchRF 61039 ZASYHAN'E 9773 5747 K	CW	(Gwr)
M32	5387	4-12	1040	Fri	XXX XXX WEGI WEGI 50252 OFISOFERT 7170 5100 ROWOSMYW 2535 7063 K	CW	(Gwr)
M32	5387	4-12	1045	Fri	XXX XXX WLHN WLHN 10738 28125 63009 50424 95606 SAJTOSTOG 4792 8963 K	CW	(Gwr)
M32	5374	4-12	1049	Fri	XXX XXX ONG4 ONG4 43028 ZhAROWOSK 0599 6859 K	CW	(Gwr)
M32	5387	4-12	1053	Fri	XXX XXX WEGI WEGI 50620 SUSTAW 9454 0838 K	CW	(Gwr)
M32	5374	4-12	1055	Fri	XXX XXX ONG4 ONG4 07272 ZAJMOREJD 5452 1176 K	CW	(Gwr)
M32	5387	4-12	1056	Fri	XXX XXX WEGI WEGI 80569 TYRWA 8146 6287 K	CW	(Gwr)
M32	5387	4-12	1059	Fri	XXX XXX WLHN WLHN 96912 25056 46818 LETOPIS' 7861 4278 K	CW	(Gwr)
M32	5387	4-12	1103	Fri	XXX XXX N1D' N1D' 74805 PENICILLIN 2751 2060 K	CW	(Gwr)
M32	5374	4-12	1123	Fri	XXX XXX ONG4 ONG4 83963 ZhiROFISK 1965 0268 K	CW	(Gwr)
M32	5387	4-12	1206	Fri	XXX XXX WEGI WEGI 09030 WYGORANIE 8310 6828 K	CW	(Gwr)
M32	5387	4-12	1238	Fri	XXX XXX WEGI WEGI 75405 ROSSOPUAZ 7362 9205 K	CW	(Gwr)
M32	12741	4-12	1241	Fri	RDL RDL RDL 77956 56600 77956 56600 77956 56600 K	FSK CW	(AB)

M32	5374	4-12	1248	Fri	XXX XXX ONG4 ONG4 00646 BAULODWOR 0615 6957 K	CW	(Gwr)
M32	12741	4-12	1249	Fri	XXX XXX WEGI WEGI 15689 75405 ROSSOPUAZ 7362 9205 K	FSK CW	(AB)
M32	12741	4-12	1310	Fri	RDL RDL RDL 27401 00406 27401 00406 27401 00406 K	FSK CW	(AB)
M32	12741	4-12	1451	Fri	RDL RDL RDL 29631 72733 29631 72733 29631 72733 K	FSK CW	(AB)
M32	5759	7-12	1026	Mon	XXX XXX N1D' N1D' F2ET F2ET 48872 07236 TREFNOJ 4554 2421 PIRSOPPLIS 2835 4705 K	CW	(Gwr)
M32	4649	7-12	1030	Mon	XXX XXX 1ShchRF 1ShchRF 45655 TREFNOJ 4554 2421 PIRSOPPLIS 2835 4705 K	CW	(Gwr)
M32	5387	7-12	1036	Mon	XXX XXX WEGI WEGI 99306 TRONOTMIN 7150 6993 PODShEFNYJ 8841 0045 K	CW	(Gwr)
M32	4923	7-12	1041	Mon	XXX XXX DMSB DMSB 30009 PESHchERISTYJ 9696 7090 NEWA 8121 4510 K	CW	(Gwr)
M32	5456.5	7-12	1043	Mon	XXX XXX WEGI WEGI Ch0524 RAZMETRA 7156 5879 HAMOMUL 4394 3887 K ("Ch" at start of header group obviously should be 9)	CW	(Gwr)
M32	5374	7-12	1045	Mon	XXX XXX ONG4 ONG4 57963 KIROWOGRAD 5530 5198 K	CW	(Gwr)
M32	5456.5	7-12	1048	Mon	XXX XXX WLHN WLHN 68110 85826 37893 99755 02142 ULAROSSET 9100 7314 K	CW	(Gwr)
M32	5374	7-12	1051	Mon	XXX XXX ONG4 ONG4 98051 METASHchAZA 0062 9000 K	CW	(Gwr)
M32	5456.5	7-12	1055	Mon	XXX XXX WEGI WEGI 61331 BURLIWYJ 7352 0493 K	CW	(Gwr)
M32	5456.5	7-12	1100	Mon	XXX XXX WEGI WEGI 32074 IRANOSAZh 8185 4183 K	CW	(Gwr)
M32	5456.5	7-12	1103	Mon	XXX XXX WEGI WEGI 45258 SLABEN'RIJ 0071 9944 K	CW	(Gwr)
M32	5456.5	7-12	1105	Mon	XXX XXX WEGI WEGI 48664 USIKOTREF 8140 6762 K	CW	(Gwr)
M32	5456.5	7-12	1105	Mon	XXX XXX WLHN WLHN 07730 57454 26065 PLENONTON 1191 0980 K	CW	(Gwr)
M32	5017	7-12	1109	Mon	XXX XXX RGT77 RGT77 55403 PERIGASTRIT 1618 8718 K	CW	(Gwr)
M32	5456.5	7-12	1109	Mon	XXX XXX WLHN WLHN 41482 51688 36345 SYRORUMB 7271 9861 K (SYVORUMB used on 7-12 1036z as 3rd word in 3 word wheel message, one letter difference)	CW	(Gwr)
M32	5374	7-12	1110	Mon	XXX XXX ONG4 ONG4 47473 MEhTROLAZ 0239 2891	CW	(Gwr)
M32	5017	7-12	1112	Mon	XXX XXX RGT77 RGT77 - 5fig radiogram	CW	(Gwr)
M32	5456.5	7-12	1113	Mon	XXX XXX N1D' N1D' 20393 PONGOSHANS 0133 8215 K	CW	(Gwr)
M32	5456.5	7-12	1117	Mon	XXX XXX N1D' N1D' 40547 POKAZATEL' 4198 7660 K	CW	(Gwr)
M32	5374	7-12	1122	Mon	XXX XXX ONG4 ONG4 82656 15166 NOZhObEhR 9144 2240 K	CW	(Gwr)
M32	5759	7-12	1225	Mon	XXX XXX RGT77 RGT77 23989 PLYaSOMARS 7227 4028 UKOSOKRASH 3026 9525 K (only S28 responded with follow-up message, no southern district hubs)	CW	(Gwr)
M32	5474	7-12	1229	Mon	XXX XXX ONG4 ONG4 99565 GRUZOPES 2117 1882 K	CW	(Gwr)
M32	5456.5	7-12	1239	Mon	XXX XXX WEGI WEGI 74914 MEZDROWYJ 1670 7815 K	CW	(Gwr)
M32	5387	8-12	1022	Tue	XXX XXX WEGI WEGI 79202 UZOROZAYaC 3541 0806 K	CW	(Gwr)
M32	4649	8-12	1025	Tue	XXX XXX 1ShchRF 1ShchRF 84681 UZOROZAYaC 3541 0806 K	CW	(Gwr)
M32	5387	8-12	1025	Tue	XXX XXX WEGI WEGI 48325 MAZANKOWYJ 6161 0973 TRAKOZALP 5831 6795 K	CW	(Gwr)
M32	5374	8-12	1029	Tue	XXX XXX ONG4 ONG4 21017 MNENIE 2583 0614 K	CW	(Gwr)
M32	5456.5	8-12	1029	Tue	XXX XXX N1D' N1D' F2ET F2ET 17810 83303 MIDODYaDYa 4574 8482 OBRYWOChNYJ 3605 6222 K	CW	(Gwr)
M32	5759	9-12	1042	Wed	XXX XXX WEGI WEGI 40524 RAZMETKA 7156 5879 HAMOMUL 4396 3887 K (broadcast on 5759 kHz only, practice message)	CW	(Gwr)
M32	5759	9-12	1049	Wed	RGT77 5LG radiogram w/o XXX preamble	CW	(Gwr)
M32	5387	9-12	1058	Wed	XXX XXX WEGI WEGI 92315 GARMOSHKA 4375 4493 K	CW	(Gwr)
M32	4649	9-12	1101	Wed	XXX XXX 1ShchRF 1ShchRF 73525 GARMOSHKA 4375 4493 K	CW	(Gwr)
M32	5456.5	10-12	1035	Thu	XXX XXX WEGI WEGI 58993 STEMOSHlIF 8161 9071 SOKRUSHENIE 0008 0833 K	CW	(Gwr)
M32	4649	10-12	1040	Thu	XXX XXX 1ShchRF 1ShchRF 74428 SOKRUSHENIE 0008 0833 K	CW	(Gwr)
M32	5374	10-12	1049	Thu	XXX XXX ONG4 ONG4 00226 IRAKOLAOS 8108 8400 K	CW	(Gwr)
M32	4649	10-12	1056	Thu	XXX XXX 1ShchRF 1ShchRF 84389 303 = DDDDD IUfYaN EShFKL NNBYO PKQZS NNBYO PKQZS NNBYO PKQZS BNFUB ...	CW	(Gwr)
M32	5017	10-12	1241	Thu	XXX XXX WEGI WEGI 09008 HLAGOGREK 5277 5800 K (non-circular WEGI, leads to a WEGI 5LG radiogram some minutes later on same net)	CW	(Gwr)

M32	5017	10-12	1246	Thu	XXXX XXX WEGI WEGI 5LG radiogram (initiated by previous WEGI flash)	CW	(Gwr)
M32a	4635	8-12	1804	Tue	i.p. 595 = FOR RJH45 RJH74 RJD90 = 08 181 99657 10378 41498 52410 19020 40352 51000 70217 8 / / / / 22232 00060 20101 08013 = AR RAG58 K	CW	(AB)
M32b	8816	12-12	1035	Sat	RJF94 RJC38 DE 42119 QTO 1026 QRD XLMD XLLV QRE 1210 QBD 0500 K	CW	(WP3)
M32c	8112	9-12	1500	Wed	W marker	CW	(Gwr)
M42	12108	8-12	1012	Tue	Russian intel i.p.	MFSK-80/250bd BPSK	(AB)
M42	6888	21-12	1357	Mon	Russian diplo/intel.	5xMFSK-16/250Bd BPSK	(AB)
M42	5060	22-12	1738	Tue	Russian diplo/intel.	5xMFSK-16/250Bd BPSK	(AB)
M51a	3881	18-12	0920	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by four messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	18-12	0920	Fri	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by four messages. Ended with CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	3881	19-12	0900	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	19-12	0900	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	3881	26-12	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	26-12	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages. Ended with CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	3881	28-12	0930	Mon	French Army, Vernon VVV DE FAV22 QLH 3881/6825 KHZ	CW	(F50IH)
M51a	6825	28-12	0930	Mon	French Army, Vernon VVV DE FAV22 QLH 3881/6825 KHZ	CW	(F50IH)
M51b	3881	17-12	1143	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	17-12	1143	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	18-12	0836	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	18-12	0836	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	18-12	1023	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	18-12	1023	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	19-12	0950	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	19-12	0950	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	23-12	1440	Wed	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	23-12	1440	Wed	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	6825	28-12	1959	Mon	i.p. djked axzvs nvlru ldpej mrshk 43269 hgkro ...	CW	(RL)
M89	3595	3-12	1115	Thu	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	4888	3-12	1115	Thu	V QYE2 (x3) DE 9WFFV (x2) //3595	CW	(JPL)
M89	3842	3-12	1116	Thu	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3850	3-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	3-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5457	3-12	1120	Thu	i.p. A4T6 7UNA U7DA D74A 5T63 5TDA T3AN ...	CW	(JPL)
M89	5640	3-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	3-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	3-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	4720	3-12	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	3-12	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	5666	3-12	1138	Thu	i.p. 3N4U 76A4 45TD 5U7A 3U43 TAUT 3DUD ...	CW	(JPL)
M89	3655	3-12	1943	Thu	i.p. AT6U D657 54D5 6D4A 4TNN NTDN ...	CW	(JPL)
M89	5156	3-12	1956	Thu	i.p. N45U UD67 T534 T3T3 DDTU 7U44 5747 5NUA ...	CW	(JPL)

M89	6576	5-12	1018	Sat	i.p. NR QSL 1818 K 7G 7G NU5 NR 4367 CK 6916 220 . 18.0819 NMKS 1877431. 18773.. K	CW	(JPL)
M89	5640	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6320 and 6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6320	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	5-12	1020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640 and 6320 and 6840 and 8290 and 8360	CW	(JPL)
M89	7620	5-12	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	5-12	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4888	5-12	1037	Sat	V QYE2 (x3) DE 9WFFV (x2)	CW	(JPL)
M89	3842	5-12	1118	Sat	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3595	5-12	1120	Sat	V QYE2 (x3) DE 9WFFV (x2) CK 91 43 1205 1920 RMKS 6323 TO 8644 669. 6863 = .577 N7D5 ... //4888	CW	(JPL)
M89	4888	5-12	1120	Sat	V QYE2 (x3) DE 9WFFV (x2) CK 91 43 1205 1920 RMKS 6323 TO 8644 669. 6863 = .577 N7D5 ... //3595	CW	(JPL)
M89	4720	5-12	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	5-12	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 JPL SAT	CW	(JPL)
M89	5516	11-12	1108	Fri	i.p. UT6U 43DA 5D76 5U7D 4U5T AR QSL ? K R U 7G GA	CW	(JPL)
M89	4888	11-12	1118	Fri	V QYE2 (x3) DE 9WFFV (x2)	CW	(JPL)
M89	3850	11-12	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	11-12	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	11-12	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	11-12	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	11-12	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	4847	11-12	1122	Fri	VVV BTF3 DE C4TX K (IP û 1122z)	CW	(JPL)
M89	4720	11-12	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	11-12	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3842	11-12	1210	Fri	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4355	11-12	1952	Fri	i.p. 6N4A NUAU 4DNT TU74 73D4 N654 445A ...	CW	(JPL)
M89	3842	15-12	1118	Tue	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	3850	15-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	15-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	15-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	15-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	15-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	4847	15-12	1125	Tue	HR WK NR 522 AR DE Z4HG QSL ..1922 HR WK NR 210 AR DE .. QSL ..192. HR WK NR 120 K	CW	(JPL)
M89	4720	15-12	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	15-12	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3596	15-12	1137	Tue	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	4888	15-12	1137	Tue	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	4220	15-12	1146	Tue	RMKS 6D8V TO CM7B K RPT K R K R TIME HR P.. TIME BT 1945 K	CW	(JPL)
M89	3842	18-12	2004	Fri	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3596	18-12	2006	Fri	V QYE2 (x3) DE 9WFFV (x2) //4888	CW	(JPL)
M89	4888	18-12	2006	Fri	V QYE2 (x3) DE 9WFFV (x2) //3596	CW	(JPL)
M89	3850	21-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	21-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	21-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	21-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	21-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)

M89	3596	21-12	1128	Mon	V QYE2 (x3) DE 9WFBV (x2) //4888	CW	(JPL)
M89	4888	21-12	1128	Mon	V QYE2 (x3) DE 9WFBV (x2) //3596	CW	(JPL)
M89	3842	21-12	1129	Mon	V GFDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4720	21-12	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	21-12	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	6824	23-12	0041	Wed	V QYE2 (x3) DE 9WFBV (x2) //8182	CW	(JPL)
M89	8182	23-12	0041	Wed	V QYE2 (x3) DE 9WFBV (x2) //6824	CW	(JPL)
M89	5858	23-12	0046	Wed	V GFDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3842	23-12	1119	Wed	V GFDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3850	23-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	23-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	23-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)
M89	6320	23-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	23-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	4720	23-12	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	23-12	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3596	23-12	1609	Wed	V QYE2 (x3) DE 9WFBV (x2) //4888	CW	(JPL)
M89	4888	23-12	1609	Wed	V QYE2 (x3) DE 9WFBV (x2) //3596	CW	(JPL)
M89	3786	23-12	1620	Wed	i.p. R HR NIL SK R NIL SK (Both stations on this frequency)	CW	(JPL)
M89	3596	27-12	1656	Sun	V QYE2 (x3) DE 9WFBV (x2) //4888	CW	(JPL)
M89	4888	27-12	1656	Sun	V QYE2 (x3) DE 9WFBV (x2) //3596	CW	(JPL)
M89	4250	28-12	1149	Mon	i.p. DE L25Q CL K R HR MSG GA K HR MSG GA K HR MSG GA K	CW	(JPL)
M89	3099	28-12	1402	Mon	i.p. 4637 563T 574N 475N 7NU3 4A76 NA7U ...	CW	(JPL)
M89	3509	28-12	1404	Mon	VVV EJR DE SAL	CW	(JPL)
M89	3610	28-12	1406	Mon	i.p. AT46 ATT5 ATAT T.U. NN5 3TUD 3U64 ...	CW	(JPL)
M89	3842	28-12	1409	Mon	V GFDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5133	28-12	1414	Mon	i.p. R HR WK NR 7019 K R HR WK NR NR 7223 K (Appears to be outstation frequency)	CW	(JPL)
M89	5315	28-12	1418	Mon	i.p. R RPT K R DP VV 80A DE K8VS K R ZSA 3 ZSA ? K	CW	(JPL)
M89	3596	28-12	1842	Mon	V QYE2 (x3) DE 9WFBV (x2) //4888	CW	(JPL)
M89	4888	28-12	1842	Mon	V QYE2 (x3) DE 9WFBV (x2) //3596	CW	(JPL)
M89	4859	28-12	1905	Mon	i.p. 3DAU 446T DD77 AD.U 476A TU65 6747 ...	CW	(JPL)
M89	6824	30-12	0828	Wed	V QYE2 (x3) DE 9WFBV (x2) //8182	CW	(JPL)
M89	7889	30-12	0828	Wed	i.p. QSA 2 QSA ? K R = 8579 AR K OK R OK R HR WK NR 08100 K R 3=P DE 7VUF R QSA 2 QSA ? K	CW	(JPL)
M89	8182	30-12	0828	Wed	V QYE2 (x3) DE 9WFBV (x2) //6824	CW	(JPL)
M89	7062	30-12	0847	Wed	i.p. /F2697/F2686/F2627/F2600/F2668/F2664/F2651/F2603/F2671/Z0084/F2673/Z0267/F2681/F2602 AR QSL ?	CW	(JPL)
M89	5479	30-12	0901	Wed	i.p. 6D6U 46AT TA75 UTA3 UT76 7T46 ...	CW	(JPL)
M89	4541	30-12	0912	Wed	i.p. = / 63A5 A5AT 43DN A6D4 4436 N4D5 4A5D ...	CW	(JPL)
M89	3596	30-12	1056	Wed	V QYE2 (x3) DE 9WFBV (x2) //4888	CW	(JPL)
M89	4888	30-12	1056	Wed	V QYE2 (x3) DE 9WFBV (x2) //3596	CW	(JPL)
M89	5858	30-12	1104	Wed	V GFDH (x3) DE 5J9K (x2) T576 TU75 N47D A763 D47N ANT4 6AUN ...	CW	(JPL)
M89	5750	30-12	1107	Wed	i.p. VVV MYP (x3) DE MHW (x3) II F II F DE 8BQ 8BQ 86Q 235 QSV K	CW	(JPL)
M89	4667.75	30-12	1115	Wed	i.p. C3U/R7 AR = C3U/R7S AR K N QSL 1910 K R OK K	CW	(JPL)
M89	5029	30-12	1115	Wed	i.p. 8IC DE MPU7 K K R R MSG GA K K NR MSG NR 3239 CK 91 96 1230 1916 RMKS = 2420 TO 2986 AR K K	CW	(JPL)
M89	3850	30-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5640 and 6320 and 6840	CW	(JPL)
M89	4860	30-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 5640 and 6320 and 6840	CW	(JPL)
M89	5640	30-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 6320 and 6840	CW	(JPL)

M89	6320	30-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6840	CW	(JPL)
M89	6840	30-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5640 and 6320	CW	(JPL)
M89	4720	30-12	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	30-12	1130	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M95	5479	3-12	1111	Thu	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	3-12	1111	Thu	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	8073	3-12	1142	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1119 CK 22 35 1203 1636 = TAU N5U TT3 N53 ...	CW	(JPL)
M95	4243	3-12	1156	Thu	i.p. AR A HR 7G GA NR 023 CK 15 35 1203 1554 = UT5 TT3 3U6 3A4 TTA ... //9054	CW	(JPL)
M95	9054	3-12	1156	Thu	i.p. AR A HR 7G GA NR 023 CK 15 35 1203 1554 = UT5 TT3 3U6 3A4 TTA ... //4243	CW	(JPL)
M95	3968	3-12	1935	Thu	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	3-12	1935	Thu	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4620	5-12	1009	Sat	i.p. CK 31 33 1205 1855 RMKS 8986 TO 8908 = U6DU N66N 3DNU 66D6 NUU6 3D3D UN36 ...	CW	(JPL)
M95	5479	5-12	1009	Sat	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	5-12	1009	Sat	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	5-12	1139	Sat	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1127 CK 234 35 1205 1647 = //8073	CW	(JPL)
M95	8073	5-12	1139	Sat	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1127 CK 234 35 1205 1647 = //4364	CW	(JPL)
M95	4243	5-12	1148	Sat	V HR 7G TO PSE CY NR 10 CK 139 35 1205 1546 = UTU TT5 3U6 3A4 ...	CW	(JPL)
M95	4243	9-12	1150	Wed	i.p. PSE CY NR 006 CK 56 35 1209 1531 = 5AA UTT TTN 3U6 3A4 5T7 5TD 75U 354 N3D 35U ...	CW	(JPL)
M95	8073	9-12	1155	Wed	i.p. NR 1144 CK 31 35 1209 1635 = TAU N5U TTN N53 TAD N54 7TT T47 746 7T5 ...	CW	(JPL)
M95	5479	11-12	1112	Fri	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	8073	11-12	1143	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 1149 CK 418 35 1211 1642 =	CW	(JPL)
M95	4243	11-12	1158	Fri	VVV MSG TO YR PSE CY NR 047 CK 19 35 1211 1557 = UT5 TAA 3U6 3A4 TTA ...	CW	(JPL)
M95	3968	11-12	1948	Fri	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	11-12	1948	Fri	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4364	15-12	1139	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 1163 CK 232 35 1215 1625 = //8073	CW	(JPL)
M95	8073	15-12	1139	Tue	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 1163 CK 232 35 1215 1625 = //4364	CW	(JPL)
M95	4243	15-12	1149	Tue	VVV MSG TO YR PSE CY NR 018 CK 35 35 1215 1544 = 5AA UTT TA5 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	15-12	1149	Tue	VVV MSG TO YR PSE CY NR 018 CK 35 35 1215 1544 = 5AA UTT TA5 3U6 3A4 ... //4243	CW	(JPL)
M95	3968	18-12	2000	Fri	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	18-12	2000	Fri	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4364	21-12	1144	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 1198 CK 419 35 1221 1643 = //8073	CW	(JPL)
M95	8073	21-12	1144	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 1198 CK 419 35 1221 1643 = //4364	CW	(JPL)
M95	4243	21-12	1153	Mon	i.p. AR MSG AGN NR 030 CK 19 35 1221 1525 = 5AA UTT TUA 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	21-12	1153	Mon	i.p. AR MSG AGN NR 030 CK 19 35 1221 1525 = 5AA UTT TUA 3U6 3A4 ... //4243	CW	(JPL)
M95	3968	21-12	1906	Mon	V YHDX (x3) DE SAQC (x2) (IP - Cont'd (// 6936) (Remote tuner Novosibirsk)] JPL MON	CW	(JPL)
M95	6936	21-12	1906	Mon	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4243	22-12	1153	Tue	i.p. VVV HR MSG TO YR PSE CY NR 088 CK 23 35 1223 0627 = UT5 TU3 3U4 3A4 TTA ... //9054	CW	(JPL)
M95	9054	22-12	1153	Tue	i.p. VVV HR MSG TO YR PSE CY NR 088 CK 23 35 1223 0627 = UT5 TU3 3U4 3A4 TTA ... //4243	CW	(JPL)
M95	4364	23-12	0005	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1206 CK 36 35 1223 0713 = //8073	CW	(JPL)
M95	8073	23-12	0005	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1206 CK 36 35 1223 0713 = //4364	CW	(JPL)
M95	3968	23-12	0014	Wed	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	23-12	0014	Wed	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	23-12	0037	Wed	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	23-12	0037	Wed	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	23-12	1142	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1208 CK 445 35 1223 1638 = //8073	CW	(JPL)
M95	8063	23-12	1142	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1208 CK 445 35 1223 1638 = //8073	CW	(JPL)
M95	4243	23-12	1149	Wed	VV HR 7G TO YR PSE CY NR 034 CK 42 35 1223 1536 = 5AA UTT TU3 3U6 3A4 ...	CW	(JPL)

M95	4243	27-12	1153	Sun	i.p. AR MSG AGN NR 042 CK 30 35 1227 1529 = 5AA UTT TU7 326 ... //9054	CW	(JPL)
M95	9054	27-12	1153	Sun	i.p. AR MSG AGN NR 042 CK 30 35 1227 1529 = 5AA UTT TU7 326 ... //4243	CW	(JPL)
M95	4364	27-12	1200	Sun	i.p. 3D5 34T N3D 4T3 NN3 AR A HR 7G GA NR 1218 CK 34 35 1227 1618 = //8073	CW	(JPL)
M95	8073	27-12	1200	Sun	i.p. 3D5 34T N3D 4T3 NN3 AR A HR 7G GA NR 1218 CK 34 35 1227 1618 = //4364	CW	(JPL)
M95	3968	27-12	1653	Sun	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	27-12	1653	Sun	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	28-12	1128	Mon	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	4364	28-12	1140	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1221 CK 349 45 1228 1611 = //8073	CW	(JPL)
M95	8073	28-12	1140	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1221 CK 349 45 1228 1611 = //4364	CW	(JPL)
M95	4243	28-12	1149	Mon	Messages //9054	CW	(JPL)
M95	9054	28-12	1149	Mon	Messages //4243	CW	(JPL)
M95	4243	28-12	1157	Mon	(i.p. VV 7225 DE 7227 7225 DE 7227 K R 7227 DE 7225 K	CW	(JPL)
M95	3968	28-12	1901	Mon	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	28-12	1901	Mon	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	30-12	0815	Wed	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	30-12	0815	Wed	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4689	30-12	1130	Wed	i.p. R H0R0 DE 5ZEF R QSA 2 QSA ? K R QSA 2 IEC = 7617 AR K (Exercise related)	CW	(JPL)
M95	4364	30-12	1140	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1229 CK 44 35 1230 1614 = //8073	CW	(JPL)
M95	8073	30-12	1140	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1229 CK 44 35 1230 1614 = //4364	CW	(JPL)
M95	4243	30-12	1149	Wed	VV VV V VV HR 7G TO YR PSE CY NR 048 CK 57 35 1230 1543 = //9054	CW	(JPL)
M95	9054	30-12	1149	Wed	VV VV V VV HR 7G TO YR PSE CY NR 048 CK 57 35 1230 1543 = //4243	CW	(JPL)
M95	8073	31-12	1138	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1233 CK 44 35 1231 1530 = TAU N5U 63A N53 ... //8073	CW	(JPL)
M95	8073	31-12	1140	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1233 CK 44 35 1231 1530 = TAU N5U 63A N53 ... //4364	CW	(JPL)
MX	7611	23-12	1108	Wed	Beacon V	CW	(EW)
MX	5154.1	27-12	1924	Sun	Beacon A, Astrakhan	CW	(F50IH)
MX	3227	27-12	1943	Sun	Beacon V	CW	(F50IH)
MX	5156.8	29-12	1241	Tue	Beacon L, St. Petersburg	CW	(FT-POL)
P03e	5082	1-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	1-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	4-12	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	4-12	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	6-12	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	6-12	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	6-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	6-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	8-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	8-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	11-12	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	11-12	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	13-12	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	13-12	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	13-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	13-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	15-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	15-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	18-12	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	18-12	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

P03e	10800	20-12	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	20-12	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	20-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	20-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	22-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	22-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	25-12	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	25-12	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	27-12	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	27-12	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	27-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	27-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5082	29-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5082	29-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03f	6280	2-12	1100	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	2-12	1105	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	9-12	1100	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	9-12	1105	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	16-12	1100	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	16-12	1105	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	23-12	1100	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	23-12	1105	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	30-12	1100	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03f	6280	30-12	1105	Wed	Polish intel.	QPSK 200Bd/496bp	(AB)
P03g	13046	2-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	2-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	4-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	4-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	9-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	9-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	11-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	11-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	16-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	16-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	18-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	18-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	23-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	23-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	30-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	30-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03h	9079	2-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	2-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	3-12	0530	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	3-12	0535	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	7-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	7-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	9-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)

P03h	9079	9-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	10-12	0530	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	10-12	0535	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	14-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	14-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	16-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	16-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	21-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	21-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	23-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	23-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	28-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	28-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	30-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	30-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9052	1-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	1-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	1-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	1-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	1-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	1-12	1810	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14656	2-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	2-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	8-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	8-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	8-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	8-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	8-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	8-12	1810	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14656	9-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	9-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	10-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	10-12	1810	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9052	15-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	15-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	15-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	15-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	15-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	15-12	1810	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14656	16-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	16-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	17-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	17-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	17-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	17-12	1810	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9052	22-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	22-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)

P03i	14656	22-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	22-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	22-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	22-12	1810	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	23-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	23-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	24-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	24-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	24-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	24-12	1810	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	29-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	29-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	29-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	29-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	29-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	29-12	1810	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	30-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	30-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	31-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	31-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	31-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	31-12	1810	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03j	6906	3-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	3-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	7-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	7-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	10-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	10-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	14-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	14-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	17-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	17-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	21-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	21-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	24-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	24-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	28-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	28-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	31-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	31-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	14415	1-12	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	1-12	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	2-12	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	2-12	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14975	2-12	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14975	2-12	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5409	4-12	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	5409	4-12	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	4-12	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	4-12	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	4-12	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	4-12	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	5-12	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	5-12	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	5-12	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	5-12	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	6-12	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	6-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	6-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	6-12	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	6-12	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	6-12	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	6-12	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	6-12	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	6-12	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	6-12	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	7-12	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	7-12	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	7-12	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	7-12	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	8-12	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	8-12	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	9-12	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	9-12	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	9-12	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	9-12	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	11-12	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	11-12	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	11-12	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	11-12	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	11-12	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	11-12	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	12-12	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	12-12	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	12-12	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	12-12	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	13-12	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	13-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	13-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	13-12	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	13-12	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)
P03k	13470	13-12	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB-POL)

P03k	8680	13-12	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	13-12	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	14-12	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	14-12	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	14-12	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	4356	14-12	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14415	15-12	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14415	15-12	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	16-12	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	16-12	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	16-12	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14975	16-12	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	8680	18-12	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	18-12	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	18-12	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	18-12	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	19-12	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	19-12	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	19-12	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	19-12	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	19-12	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	19-12	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	19-12	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	19-12	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	20-12	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	20-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	20-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	20-12	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	20-12	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	20-12	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13470	20-12	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	20-12	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	20-12	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	20-12	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	21-12	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	13470	21-12	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	4356	21-12	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	4356	21-12	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14415	22-12	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	22-12	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	23-12	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	23-12	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14975	23-12	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14975	23-12	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5409	25-12	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	25-12	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	25-12	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	8680	25-12	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-12	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-12	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	26-12	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	26-12	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1320	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1325	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	26-12	1500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	26-12	1505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	26-12	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	26-12	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	27-12	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	27-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	27-12	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5409	27-12	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	27-12	1320	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	27-12	1325	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	27-12	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	27-12	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	27-12	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8680	27-12	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	28-12	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13470	28-12	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	28-12	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ/RL)
P03k	4356	28-12	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14415	29-12	1140	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/FT)
P03k	14415	29-12	1145	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/FT)
P03k	4242	30-12	1500	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	30-12	1505	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	30-12	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14975	30-12	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	9079	2-12	1120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9079	2-12	1125	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5779	2-12	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	5779	2-12	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	5779	4-12	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	5779	4-12	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03l	4356	5-12	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4356	5-12	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4356	6-12	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4356	6-12	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9079	6-12	1120	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9079	6-12	1125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9079	9-12	1120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	9079	9-12	1125	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5779	9-12	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5779	9-12	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	5779	11-12	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	11-12	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	4356	12-12	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	12-12	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	13-12	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	13-12	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	16-12	1120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	16-12	1125	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	16-12	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	16-12	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	18-12	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	18-12	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	4356	19-12	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	19-12	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	20-12	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	20-12	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	20-12	1120	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	20-12	1125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	23-12	1120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	23-12	1125	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	23-12	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	23-12	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	25-12	1230	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	25-12	1235	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	26-12	0610	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	26-12	0615	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	27-12	0610	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4356	27-12	0615	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	27-12	1120	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	27-12	1125	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	30-12	1120	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	30-12	1125	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	30-12	1230	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	30-12	1235	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
Q26	8073	3-12	1131	Thu	XSV85 sending messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	5-12	1145	Sat	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	18051	8-12	0935	Tue	Messages for 9RVI	4+4 QPSK 75/3000 LSB	(EW)
Q26	8073	11-12	1132	Fri	XSV85 sending messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	11-12	1150	Fri	Messages i.p.	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	15-12	1132	Tue	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	15-12	1132	Tue	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	15-12	1143	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	15-12	1143	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	21-12	1132	Mon	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	21-12	1132	Mon	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	23-12	0001	Wed	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	23-12	0001	Wed	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)

Q26	4364	23-12	1132	Wed	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	23-12	1132	Wed	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	23-12	1146	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	28-12	1132	Mon	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	28-12	1132	Mon	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	28-12	1144	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	28-12	1144	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	30-12	1132	Wed	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	30-12	1132	Wed	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	30-12	1144	Wed	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	30-12	1144	Wed	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	31-12	1138	Thu	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	31-12	1140	Thu	XSV85 sending messages //4364U	4+4 QPSK 75/3000 LSB	(JPL)
S06	7378	4-12	1900	Fri	452 452 452 00000	USB	(AB/MPJ/HFD-RUS)
S06	5097	4-12	2000	Fri	452 452 452 00000	USB	(AB/HFD)
S06	8014	8-12	1330	Tue	910 785 13 10224 96676 12619 ... 05700 99282 48023 785 13 00000	USB	(Danix)
S06	6979	8-12	1400	Tue	910 785 13 10224 96676 12619 ... 05700 99282 48023 785 13 00000	USB	(Danix/Geoff)
S06	14375	18-12	0930	Fri	842 ...	USB	(HFD-RUS)
S06	7378	18-12	1900	Fri	452 103 46 03841 34520 33440 ... 27645 76007 76388 103 46 00000	USB	(MPJ)
S06	5097	18-12	2000	Fri	452 103 46 03841 34520 33440 ... 27645 76007 76388 103 46 00000	USB	(AB)
S06	6792	26-12	1300	Sat	480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000	USB	(Danix)
S06	5380	26-12	1330	Sat	480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000	USB	(Danix)
S06	9463	27-12	0930	Sun	480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000	USB	(Danix)
S06	7377	27-12	1000	Sun	480 135 44 38242 46045 16619 ... 81013 09636 99271 135 44 00000	USB	(Danix)
S06c	13509	8-12	1100	Tue	11031	USB	(Danix)
S06c	11457	8-12	1110	Tue	11031	USB	(Danix)
S06s	16145	1-12	0600	Tue	438 279 5 91943 06309 03380 31978 06365 279 5 00000	USB	(AB-POL)
S06s	14240	1-12	0610	Tue	438 279 5 91943 06309 03380 31978 06365 279 5 00000	USB	(AB-POL)
S06s	5250	1-12	0700	Tue	452 809 6 43912 76162 74983 08828 00897 87264 809 6 00000	USB	(AB)
S06s	6320	1-12	0710	Tue	452 809 6 43912 76162 74983 08828 00897 87264 809 6 00000	USB	(AB)
S06s	7410	1-12	0730	Tue	427 963 5 46692 63034 96502 00040 35152 963 5 00000	USB	(AB)
S06s	11532	1-12	0740	Tue	427 963 5 46692 63034 96502 00040 35152 963 5 00000	USB	(AB)
S06s	11945	1-12	0800	Tue	127 843 5 91943 58456 74439 59317 44671 843 5 00000	USB	(AB)
S06s	13195	1-12	0810	Tue	127 843 5 91943 58456 74439 59317 44671 843 5 00000	USB	(AB)
S06s	6440	1-12	1000	Tue	427 916 5 24236 84028 82278 06280 25826 916 5 00000	USB	(AB-POL)
S06s	5660	1-12	1010	Tue	427 916 5 24236 84028 82278 06280 25826 916 5 00000	USB	(AB-POL)
S06s	5035	1-12	1100	Tue	265 413 7 91943 58456 74439 59317 44671 77973 45424 413 7 00000	USB	(AB)
S06s	5975	1-12	1110	Tue	265 413 7 91943 58456 74439 59317 44671 77973 45424 413 7 00000	USB	(AB)
S06s	7062	2-12	0830	Wed	464 279 5 68772 98901 54009 72737 53021 279 5 00000	USB	(AB)
S06s	10532	2-12	0840	Wed	464 279 5 68772 98901 54009 72737 53021 279 5 00000	USB	(AB)
S06s	12365	2-12	1000	Wed	276 491 5 68858 32316 27128 60891 24122 491 5 00000 (technical problems during the callup)	USB	(AB)
S06s	14280	2-12	1010	Wed	276 491 5 68858 32316 27128 60891 24122 491 5 00000	USB	(AB)
S06s	11535	3-12	0830	Thu	172 469 5 60531 78010 82959 25177 45844 469 5 00000	USB	(Danix)
S06s	11830	3-12	0840	Thu	172 469 5 60531 78010 82959 25177 45844 469 5 00000	USB	(Danix)
S06s	8812	3-12	0930	Thu	698 432 5 41678 68787 34059 94168 91744 432 5 00000	USB	(AB)
S06s	9540	3-12	0940	Thu	698 432 5 41678 68787 34059 94168 91744 432 5 00000	USB	(AB)
S06s	12155	3-12	1200	Thu	175 293 6 33181 65644 54298 27522 31262 27954 293 6 00000	AM	(AB/MPJ)

S06s	10920	3-12	1210	Thu	175 293 6 33181 65644 54298 27522 31262 27954 293 6 00000	AM	(AB/MPJ)
S06s	11040	4-12	0830	Fri	156 298 7 52401 63919 92699 14623 74352 48754 42851 208 7 00000	USB	(AB)
S06s	12153	4-12	0840	Fri	156 298 7 52401 63919 92699 14623 74352 48754 42851 208 7 00000	USB	(AB)
S06s	5765	4-12	0900	Fri	239 486 5 62554 30112 37065 65600 71259 486 5 00000	USB	(AB)
S06s	6315	4-12	0910	Fri	239 486 5 62554 30112 37065 65600 71259 486 5 00000	USB	(AB)
S06s	7490	4-12	0950	Fri	698 698 698 00000	USB	(Danix)
S06s	7764	4-12	1000	Fri	698 698 698 00000	USB	(Danix)
S06s	8076	4-12	1010	Fri	698 698 698 00000	USB	(Danix)
S06s	9143	4-12	1020	Fri	698 698 698 00000	USB	(Danix)
S06s	10128	4-12	1030	Fri	698 698 698 00000	USB	(Danix)
S06s	8680	5-12	0800	Sat	132 478 5 62554 30112 37065 65600 71259 478 5 00000	USB	(AB)
S06s	8260	5-12	0810	Sat	132 478 5 62554 30112 37065 65600 71259 478 5 00000	USB	(AB)
S06s	13470	7-12	0630	Mon	462 913 5 55076 17106 65187 44343 22230 913 5 00000	USB	(AB-POL)
S06s	16515	7-12	0640	Mon	462 913 5 55076 17106 65187 44343 22230 913 5 00000	USB	(AB-POL)
S06s	8057	7-12	0830	Mon	764 219 5 66286 90057 66740 28636 26349 219 5 00000	USB	(AB)
S06s	8530	7-12	0840	Mon	764 219 5 66286 90057 66740 28636 26349 219 5 00000	USB	(AB)
S06s	14675	7-12	0900	Mon	232 801 5 03063 24122 33346 65132 02232 801 5 00000	USB	(AB)
S06s	12830	7-12	0910	Mon	232 801 5 03063 24122 33346 65132 02232 801 5 00000	USB	(AB)
S06s	8420	7-12	1300	Mon	149 278 5 81022 60891 72807 71010 47373 278 5 00000	USB	(AB)
S06s	10635	7-12	1310	Mon	149 278 5 81022 60891 72807 71010 47373 278 5 00000	USB	(AB)
S06s	16145	8-12	0600	Tue	438 279 5 91943 06309 03380 31978 06365 279 5 00000	USB	(AB-POL)
S06s	14240	8-12	0610	Tue	438 279 5 91943 06309 03380 31978 06365 279 5 00000	USB	(AB-POL)
S06s	5250	8-12	0700	Tue	452 809 6 43912 76162 74983 08828 00897 87264 809 6 00000	USB	(AB)
S06s	6320	8-12	0710	Tue	452 809 6 43912 76162 74983 08828 00897 87264 809 6 00000	USB	(AB)
S06s	7410	8-12	0730	Tue	427 963 5 46692 63034 96502 00040 35152 963 5 00000	USB	(AB)
S06s	11532	8-12	0740	Tue	427 963 5 46692 63034 96502 00040 35152 963 5 00000	USB	(AB)
S06s	11945	8-12	0800	Tue	127 843 5 91943 58456 74439 59317 44671 843 5 00000	USB	(AB)
S06s	13195	8-12	0810	Tue	127 843 5 91943 58456 74439 59317 44671 843 5 00000	USB	(AB)
S06s	6440	8-12	1000	Tue	427 916 5 24236 84028 82278 06280 25826 916 5 00000	USB	(AB-POL)
S06s	5660	8-12	1010	Tue	427 916 5 24236 84028 82278 06280 25826 916 5 00000	USB	(AB-POL)
S06s	5035	8-12	1100	Tue	265 413 7 91943 58456 74439 59317 44671 77973 45424 413 7 00000	USB	(AB)
S06s	5975	8-12	1110	Tue	265 413 7 91943 58456 74439 59317 44671 77973 45424 413 7 00000	USB	(AB)
S06s	7062	9-12	0830	Wed	464 279 5 68772 98901 54009 72737 53021 279 5 00000	USB	(AB)
S06s	10532	9-12	0840	Wed	464 279 5 68772 98901 54009 72737 53021 279 5 00000	USB	(AB)
S06s	12365	9-12	1000	Wed	276 491 5 68858 32316 27128 60891 24122 491 5 00000	USB	(AB)
S06s	14280	9-12	1010	Wed	276 491 5 68858 32316 27128 60891 24122 491 5 00000	USB	(AB)
S06s	11535	10-12	0830	Thu	172 469 5 60531 78010 82959 25177 45844 469 5 00000	AM	(AB)
S06s	11830	10-12	0840	Thu	172 469 5 60531 78010 82959 25177 45844 469 5 00000	AM	(AB)
S06s	8812	10-12	0930	Thu	698 432 5 41678 68787 34059 94168 91744 432 5 00000	USB	(AB)
S06s	9540	10-12	0940	Thu	698 432 5 41678 68787 34059 94168 91744 432 5 00000	USB	(AB)
S06s	12155	10-12	1200	Thu	175 293 6 33181 65644 54298 27522 31262 27954 293 6 00000	AM	(AB/MPJ)
S06s	10920	10-12	1210	Thu	175 293 6 33181 65644 54298 27522 31262 27954 293 6 00000	AM	(AB/MPJ)
S06s	11040	11-12	0830	Fri	156 298 7 52401 63919 92699 14623 74352 48754 42851 208 7 00000	USB	(AB)
S06s	12153	11-12	0840	Fri	156 298 7 52401 63919 92699 14623 74352 48754 42851 208 7 00000	USB	(AB)
S06s	5765	11-12	0900	Fri	239 486 5 62554 30112 37065 65600 71259 486 5 00000	USB	(AB)
S06s	6315	11-12	0910	Fri	239 486 5 62554 30112 37065 65600 71259 486 5 00000	USB	(AB)
S06s	13470	14-12	0630	Mon	462 913 5 55076 17106 65187 44343 22230 913 5 00000	USB	(AB-POL)

S06s	16515	14-12	0640	Mon	462 913 5 55076 17106 65187 44343 22230 913 5 00000	USB	(AB-POL)
S06s	8057	14-12	0830	Mon	764 219 5 66286 90057 66740 28636 26349 219 5 00000	USB	(AB)
S06s	8530	14-12	0840	Mon	764 219 5 66286 90057 66740 28636 26349 219 5 00000	USB	(AB)
S06s	14675	14-12	0900	Mon	232 801 5 03063 24122 33346 65132 02232 801 5 00000	USB	(AB)
S06s	12830	14-12	0910	Mon	232 801 5 03063 24122 33346 65132 02232 801 5 00000	USB	(AB)
S06s	8420	14-12	1300	Mon	149 278 5 81022 60891 72807 71010 47373 278 5 00000	USB	(AB/MPJ)
S06s	10635	14-12	1310	Mon	149 278 5 81022 60891 72807 71010 47373 278 5 00000	USB	(AB/MPJ)
S06s	16145	15-12	0600	Tue	438 905 6 67369 75799 36716 06612 26041 05563 905 6 00000	USB	(AB-POL)
S06s	14240	15-12	0610	Tue	438 905 6 67369 75799 36716 06612 26041 05563 905 6 00000	USB	(AB-POL)
S06s	5250	15-12	0700	Tue	452 917 6 00298 05988 52094 67832 05562 92200 917 6 00000	USB	(AB)
S06s	6320	15-12	0710	Tue	452 917 6 00298 05988 52094 67832 05562 92200 917 6 00000	USB	(AB)
S06s	7410	15-12	0730	Tue	427 810 5 42913 43496 72446 49973 33181 810 5 00000	USB	(AB)
S06s	11532	15-12	0740	Tue	427 810 5 42913 43496 72446 49973 33181 810 5 00000	USB	(AB)
S06s	11945	15-12	0800	Tue	127 803 5 65644 54298 27522 31262 27954 803 5 00000	USB	(AB)
S06s	13195	15-12	0810	Tue	127 803 5 65644 54298 27522 31262 27954 803 5 00000	USB	(AB)
S06s	6440	15-12	1000	Tue	427 803 5 77288 08481 65606 57322 31202 803 5 00000	USB	(AB)
S06s	5660	15-12	1010	Tue	427 803 5 77288 08481 65606 57322 31202 803 5 00000	USB	(AB)
S06s	5035	15-12	1100	Tue	265 810 7 24541 33941 56823 43884 85518 35628 05816 810 7 00000	USB	(AB)
S06s	5975	15-12	1110	Tue	265 810 7 24541 33941 56823 43884 85518 35628 05816 810 7 00000	USB	(AB)
S06s	7062	16-12	0830	Wed	464 208 5 88620 58069 61732 74537 57440 208 5 00000	USB	(AB)
S06s	10532	16-12	0840	Wed	464 208 5 88620 58069 61732 74537 57440 208 5 00000	USB	(AB)
S06s	12365	16-12	1000	Wed	276 904 5 42997 84116 53718 78927 34694 904 5 00000	USB	(AB)
S06s	14280	16-12	1010	Wed	276 904 5 42997 84116 53718 78927 34694 904 5 00000	USB	(AB)
S06s	11535	17-12	0830	Thu	172 483 5 91943 58346 74439 59317 44671 483 5 00000	AM	(AB)
S06s	11830	17-12	0840	Thu	172 483 5 91943 58346 74439 59317 44671 483 5 00000	AM	(AB)
S06s	8812	17-12	0930	Thu	698 243 5 91943 58456 74439 59317 44671 243 5 00000	USB	(AB)
S06s	9540	17-12	0940	Thu	698 243 5 91943 58456 74439 59317 44671 243 5 00000	USB	(AB)
S06s	12155	17-12	1200	Thu	175 234 6 18283 10094 73140 16277 43912 76162 234 6 00000	AM	(AB/MPJ)
S06s	10920	17-12	1210	Thu	175 234 6 18283 10094 73140 16277 43912 76162 234 6 00000	AM	(AB/MPJ)
S06s	11040	18-12	0830	Fri	156 432 7 77659 98587 76869 03428 60211 90727 72333 432 7 00000	USB	(AB)
S06s	12153	18-12	0840	Fri	156 432 7 77659 98587 76869 03428 60211 90727 72333 432 7 00000	USB	(AB)
S06s	5765	18-12	0900	Fri	239 415 6 91943 58456 74439 56317 44671 15811 415 6 00000	USB	(AB)
S06s	6315	18-12	0910	Fri	239 415 6 91943 58456 74439 56317 44671 15811 415 6 00000	USB	(AB)
S06s	13470	21-12	0630	Mon	462 839 5 91943 58456 74439 59317 44671 839 5 00000	USB	(AB-POL)
S06s	16515	21-12	0640	Mon	462 839 5 91943 58456 74439 59317 44671 839 5 00000	USB	(AB-POL)
S06s	8057	21-12	0830	Mon	764 983 5 18238 10094 73140 16277 43912 983 5 00000	USB	(AB)
S06s	8530	21-12	0840	Mon	764 983 5 18238 10094 73140 16277 43912 983 5 00000	USB	(AB)
S06s	14675	21-12	0900	Mon	232 478 5 75717 80332 65125 57051 43690 478 5 00000	USB	(AB)
S06s	12830	21-12	0910	Mon	232 478 5 75717 80332 65125 57051 43690 478 5 00000	USB	(AB)
S06s	8420	21-12	1300	Mon	149 287 5 74954 64839 17034 16239 33138 287 5 00000	USB	(AB/MPJ)
S06s	10635	21-12	1310	Mon	149 287 5 74954 64839 17034 16239 33138 287 5 00000	USB	(AB/MPJ)
S06s	16145	22-12	0600	Tue	438 905 6 67369 75799 36716 06612 26041 05563 905 6 00000	USB	(AB-POL)
S06s	14240	22-12	0610	Tue	438 905 6 67369 75799 36716 06612 26041 05563 905 6 00000	USB	(AB-POL)
S06s	5250	22-12	0700	Tue	452 917 6 00298 05988 52094 67832 05562 92200 917 6 00000	USB	(AB)
S06s	6320	22-12	0710	Tue	452 917 6 00298 05988 52094 67832 05562 92200 917 6 00000	USB	(AB)
S06s	7410	22-12	0730	Tue	427 810 5 42913 43496 72446 49973 33181 810 5 00000	USB	(AB)
S06s	11532	22-12	0740	Tue	427 810 5 42913 43496 72446 49973 33181 810 5 00000	USB	(AB)

S06s	11945	22-12	0800	Tue	127 803 5 65644 54298 27522 31262 27954 803 5 00000	USB	(AB)
S06s	13195	22-12	0810	Tue	127 803 5 65644 54298 27522 31262 27954 803 5 00000	USB	(AB)
S06s	6440	22-12	1000	Tue	427 803 5 77288 08481 65606 57322 31202 803 5 00000	USB	(AB-POL)
S06s	5660	22-12	1010	Tue	427 803 5 77288 08481 65606 57322 31202 803 5 00000	USB	(AB)
S06s	5035	22-12	1100	Tue	265 810 7 24541 33941 56823 43884 85518 35628 05816 810 7 00000	USB	(AB)
S06s	5975	22-12	1110	Tue	265 810 7 24541 33941 56823 43884 85518 35628 05816 810 7 00000	USB	(AB)
S06s	7062	23-12	0830	Wed	464 208 5 88620 58069 61732 74537 57440 208 5 00000	USB	(AB)
S06s	10532	23-12	0840	Wed	464 208 5 88620 58069 61732 74537 57440 208 5 00000	USB	(AB)
S06s	12365	23-12	1000	Wed	276 904 5 42997 84116 53718 78927 34694 904 5 00000	USB	(AB)
S06s	14280	23-12	1010	Wed	276 904 5 42997 84116 53718 78927 34694 904 5 00000	USB	(AB)
S06s	11535	24-12	0830	Thu	172 172 172 00000	AM	(AB)
S06s	11830	24-12	0840	Thu	172 172 172 00000	AM	(AB)
S06s	8812	24-12	0930	Thu	698 243 5 91943 58456 74439 59317 44671 243 5 00000	USB	(AB)
S06s	9540	24-12	0940	Thu	698 243 5 91943 58456 74439 59317 44671 243 5 00000	USB	(AB)
S06s	12155	24-12	1200	Thu	175 234 6 18283 10094 73140 16277 43912 76162 234 6 00000	AM	(AB)
S06s	10920	24-12	1210	Thu	175 234 6 18283 10094 73140 16277 43912 76162 234 6 00000	AM	(AB)
S06s	13470	28-12	0630	Mon	462 839 5 91943 58456 74439 59317 44671 839 5 00000	USB	(AB-POL)
S06s	16515	28-12	0640	Mon	462 839 5 91943 58456 74439 59317 44671 839 5 00000	USB	(AB-POL)
S06s	8057	28-12	0830	Mon	764 983 5 18238 10094 73140 16277 43912 983 5 00000	USB	(AB)
S06s	8530	28-12	0840	Mon	764 983 5 18238 10094 73140 16277 43912 983 5 00000	USB	(AB)
S06s	14675	28-12	0900	Mon	232 478 5 75717 80332 65125 57051 43690 478 5 00000	USB	(AB)
S06s	12830	28-12	0910	Mon	232 478 5 75717 80332 65125 57051 43690 478 5 00000	USB	(AB)
S06s	8420	28-12	1300	Mon	149 287 5 74954 64839 17034 16239 33138 287 5 00000	USB	(AB/MPJ)
S06s	10635	28-12	1310	Mon	149 287 5 74954 64839 17034 16239 33138 287 5 00000	USB	(AB/MPJ)
S06s	16145	29-12	0600	Tue	438 438 438 00000	USB	(AB-POL)
S06s	14240	29-12	0610	Tue	438 438 438 00000	USB	(AB-POL)
S06s	5250	29-12	0700	Tue	452 452 452 00000	USB	(AB)
S06s	6320	29-12	0710	Tue	452 452 452 00000	USB	(AB)
S06s	7410	29-12	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11532	29-12	0740	Tue	427 427 427 00000	USB	(AB)
S06s	11945	29-12	0800	Tue	127 127 127 00000	USB	(AB)
S06s	13195	29-12	0810	Tue	127 127 127 00000	USB	(AB)
S06s	6440	29-12	1000	Tue	427 427 427 00000	USB	(AB)
S06s	5660	29-12	1010	Tue	427 427 427 00000	USB	(AB)
S06s	5035	29-12	1100	Tue	265 265 265 00000	USB	(AB)
S06s	5975	29-12	1110	Tue	265 265 265 00000	USB	(AB)
S06s	7062	30-12	0830	Wed	464 464 464 00000	USB	(AB)
S06s	10532	30-12	0840	Wed	464 464 464 00000	USB	(AB)
S06s	12365	30-12	1000	Wed	276 276 276 00000	USB	(AB)
S06s	14280	30-12	1010	Wed	276 276 276 00000	USB	(AB)
S06s	11535	31-12	0830	Thu	172 172 172 00000	AM	(AB)
S06s	11830	31-12	0840	Thu	172 172 172 00000	AM	(AB)
S06s	8812	31-12	0930	Thu	698 698 698 00000	USB	(AB)
S06s	9540	31-12	0940	Thu	698 698 698 00000	USB	(AB)
S06s	12155	31-12	1200	Thu	175 175 175 00000	AM	(AB/MPJ/GHn)
S06s	10920	31-12	1210	Thu	175 175 175 00000	AM	(AB/MPJ)
S11a	8102	1-12	1020	Tue	424/00	USB	(AB)

S11a	9057	2-12	0510	Wed	651/00	USB	(AB)
S11a	12153	2-12	0715	Wed	380/00	USB	(AB)
S11a	5371	2-12	1135	Wed	377/00	USB	(AB)
S11a	11486	2-12	1850	Wed	288/00	USB	(AB/MPJ)
S11a	9050	3-12	0700	Thu	472/00	USB	(AB)
S11a	4242	4-12	0915	Fri	481/00	USB	(AB)
S11a	8102	4-12	1020	Fri	420/00	USB	(AB)
S11a	5371	4-12	1135	Fri	379/00	USB	(AB)
S11a	11486	5-12	1850	Sat	280/00	USB	(MPJ)
S11a	9057	7-12	0510	Mon	654/37 Vnimanije 23084 51800 93060 ... 83232 10786 84908 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	9050	7-12	0700	Mon	478/00	USB	(AB)
S11a	12153	7-12	0715	Mon	381/32 Vnimanije 91058 04799 11316 ... 42408 82745 32876 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	8102	8-12	1020	Tue	424/00	USB	(AB)
S11a	9057	9-12	0510	Wed	654/37 Vnimanije 23084 51800 93060 ... 83232 10786 84908 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	12153	9-12	0715	Wed	381/32 Vnimanije 91058 04799 11316 ... 42408 82745 32876 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	5371	9-12	1135	Wed	370/00 ended as usual, then restarted 370/00 370/00 3 then off	USB	(AB)
S11a	11486	9-12	1850	Wed	284/00	USB	(AB/MPJ)
S11a	9050	10-12	0700	Thu	471/00	USB	(AB)
S11a	4242	11-12	0915	Fri	487/32 Vnimanije 34863 63278 48262 ... 65961 10504 55097 Vnimanije (message repeated) Konets	USB	(AB)
S11a	8102	11-12	1020	Fri	421/00	USB	(AB)
S11a	5371	11-12	1135	Fri	378/00	USB	(AB/MPJ)
S11a	11486	12-12	1850	Sat	280/00	USB	(AB)
S11a	9057	14-12	0510	Mon	650/00	USB	(AB)
S11A	9057	14-12	0510	Mon	650/00	USB	(HFD)
S11a	9050	14-12	0700	Mon	471/33 Vnimanije 13351 36896 67883 ... 32723 34021 74370 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12153	14-12	0715	Mon	384/00	USB	(AB-POL)
S11a	4242	14-12	0915	Mon	486/00	USB	(AB)
S11a	8102	15-12	1020	Tue	421/00	USB	(AB)
S11a	12153	16-12	0715	Wed	382/00	USB	(AB)
S11a	5371	16-12	1135	Wed	372/00	USB	(AB)
S11a	11486	16-12	1850	Wed	288/37 Vnimanije 91468 49190 65496 ... 73624 09864 44627 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ-POL)
S11a	9050	17-12	0700	Thu	471/33 Vnimanije 13351 36896 67883 ... 32723 34021 74370 Vnimanije (message repeated) Konets	USB	(AB)
S11a	4242	18-12	0915	Fri	484/00	USB	(AB)
S11a	8102	18-12	1020	Fri	427/00	USB	(AB)
S11a	5371	18-12	1135	Fri	372/00	USB	(AB/MPJ)
S11a	11486	19-12	1850	Sat	288/37 Vnimanije 91468 49190 65496 ... 73624 09864 44627 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ)
S11a	9057	21-12	0510	Mon	651/00	USB	(AB)
S11a	9050	21-12	0700	Mon	477/00	USB	(AB)
S11a	12153	21-12	0715	Mon	383/00	USB	(AB-POL)
S11a	4242	21-12	0915	Mon	481/00	USB	(AB)
S11a	8102	22-12	1020	Tue	421/35 Vnimanije 21603 63213 70864 ... 33675 23437 01743 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	23-12	0510	Wed	656/00	USB	(AB)
S11a	12153	23-12	0715	Wed	381/00	USB	(AB)
S11a	5371	23-12	1135	Wed	373/33 Vnimanije 87063 13241 38217 ... 23501 69598 79202 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11486	23-12	1850	Wed	287/00	USB	(AB-POL/MPJ)
S11a	9050	24-12	0700	Thu	478/00	USB	(AB)
S11a	8102	25-12	1020	Fri	421/35 Vnimanije 21603 63213 70864 ... 33675 23437 01743 Vnimanije (message repeated) Konets	USB	(AB)

S11a	5371	25-12	1135	Fri	373/33 Vnimaniye 87063 13241 38217 ... 23501 69598 79202 Vnimaniye (message repeated) Konets	USB	(AB)
S11a	11486	26-12	1850	Sat	281/00	USB	(AB-POL)
S11a	9057	28-12	0510	Mon	659/00	USB	(AB)
S11a	9050	28-12	0700	Mon	476/00	USB	(AB)
S11a	12153	28-12	0715	Mon	383/00	USB	(AB-POL)
S11a	4242	28-12	0915	Mon	482/00	USB	(AB)
S11a	8102	29-12	1020	Tue	427/00	USB	(AB)
S11a	9057	30-12	0510	Wed	652/00	USB	(AB-POL)
S11a	12153	30-12	0715	Wed	380/00	USB	(AB)
S11a	5371	30-12	1135	Wed	373/00	USB	(AB/MPJ)
S11a	11486	30-12	1850	Wed	281/00	USB	(AB-POL)
S11a	9050	31-12	0700	Thu	478/00	USB	(AB)
S28	4625	1-12	1055	Tue	ANVF 88180 ISChYeRPANIYe 2567 1173	USB	(Gwr)
S28	4625	1-12	1121	Tue	ANVF 57359 BASOFAKT 4125 3799	USB	(Gwr)
S28	4625	1-12	1134	Tue	ANVF 06971 ZhGUTOPLYaS 8263 6001	USB	(Gwr)
S28	4625	1-12	1138	Tue	ANVF 22809 AMPYeRMYeTR 5674 9943	USB	(Gwr)
S28	4625	1-12	1219	Tue	ANVF 34156 LZhYeCOCYeNT 1705 2257	USB	(Gwr)
S28	4625	1-12	1252	Tue	ANVF 66006 ZhITYeL' 8539 0054	USB	(Gwr)
S28	4625	2-12	1026	Wed	ANVF 84136 GORNOKAYuK 8592 8891	USB	(Gwr)
S28	4625	2-12	1041	Wed	ANVF 79604 GRIMOCHeRT 2152 8370	USB	(Gwr)
S28	4625	2-12	1047	Wed	ANVF 01871 IDZYeALIZACIYa 2499 5166 BUNDODAMP 5351 5627	USB	(Gwr)
S28	4625	2-12	1059	Wed	ANVF 38656 KANOMHAT 8526 1323 LIKOKNOP 5059 6881	USB	(Gwr)
S28	4625	2-12	1123	Wed	ANVF 35264 DYeShYeVYeN'KIJ 4520 9375	USB	(Gwr)
S28	4625	3-12	1005	Thu	ANVF 37292 GYeKTOGRAf 4797 1645	USB	(Gwr)
S28	4625	3-12	1011	Thu	ANVF 27879 VZAIMNYJ 3975 5750	USB	(Gwr)
S28	4625	3-12	1032	Thu	ANVF 04263 ZehKOROV 0834 5860	USB	(Gwr)
S28	4625	3-12	1035	Thu	ANVF 91885 DRAKA 7858 8837 BONOHRUSHch 3254 4627	USB	(Gwr)
S28	4625	3-12	1100	Thu	ANVF 65438 KLYeShchOFOST 6032 6012	USB	(Gwr)
S28	4625	3-12	1112	Thu	ANVF 88473 ZhMYHOVUZ 2158 6888	USB	(Gwr)
S28	4625	3-12	1114	Thu	ANVF 22516 GONGOLYaRD 6906 1668	USB	(Gwr)
S28	4625	3-12	1217	Thu	ANVF 37872 ANAPLAZMOZ 6059 2160	USB	(Gwr)
S28	4625	3-12	1237	Thu	ANVF 26070 VYMYeTAN'Ye 3034 4872	USB	(Gwr)
S28	4625	4-12	1012	Fri	ANVF 34245 ISSTUPLYeNIYe 0625 4654	USB	(Gwr)
S28	4625	4-12	1026	Fri	ANVF 58682 KYePLYeR 7487 7999	USB	(Gwr)
S28	4625	4-12	1027	Fri	ANVF 56238 BOLOFYeK 4372 7356 KYeBOSHLAG 9434 4997	USB	(Gwr)
S28	4625	4-12	1045	Fri	ANVF 47407 ZhAVORONOK 9838 1865 LAFA 3052 9507	USB	(Gwr)
S28	4625	4-12	1050	Fri	ANVF 01723 GOTOVYJ 8597 7049	USB	(Gwr)
S28	4625	4-12	1059	Fri	ANVF 17380 D'YaKOMAG 3717 8908	USB	(Gwr)
S28	4625	4-12	1101	Fri	ANVF 11800 BLINOLOR 2842 1959	USB	(Gwr)
S28	4625	4-12	1106	Fri	ANVF 05566 AZOTOLYeShch 7599 7420	USB	(Gwr)
S28	4625	4-12	1215	Fri	ANVF 01313 ATOMOVKUS 3785 0153	USB	(Gwr)
S28	4625	4-12	1246	Fri	ANVF 49341 BARKOBAS 1734 3428	USB	(Gwr)
S28	4625	7-12	1033	Mon	ANVF 55409 DOLOHUK 5528 6989 VHODONOH 3226 4768	USB	(Gwr)
S28	4625	7-12	1042	Mon	ANVF 67140 DAL'NOST' 6373 2890 BASKOPUL 9689 0975	USB	(Gwr)
S28	4625	7-12	1049	Mon	ANVF 64488 GUZhOMGU 9317 8248 BANTOHLYeV 1585 6817	USB	(Gwr)
S28	4625	7-12	1054	Mon	ANVF 95611 ATOMOHAN 4895 6841	USB	(Gwr)
S28	4625	7-12	1100	Mon	ANVF 19016 KRAH 8730 2048	USB	(Gwr)

S28	4625	7-12	1110	Mon	ANVF 91236 DINAMKA 2888 5408	USB	(Gwr)
S28	4625	7-12	1116	Mon	ANVF 17814 BUNTOZhLOB 0808 2023	USB	(Gwr)
S28	4625	7-12	1228	Mon	ANVF 85161 LAZhOChIN 0573 2683	USB	(Gwr)
S28	4625	7-12	1244	Mon	ANVF 67082 ZATYLOChYeK 5176 3559	USB	(Gwr)
S28	4625	9-12	1105	Wed	ANVF 64270 VOYaZhOShVYeD 1853 6582 (Pip had similar "VOYaZhOShchUP" message yesterday)	USB	(Gwr)
S28	4625	10-12	1041	Thu	ANVF 77382 KON'YuNKCIYa 3119 6315 GRUZINSKIY 6816 0243	USB	(Gwr)
S28	4625	29-12	1217	Tue	Buzzer. Russian military channel marker	USB	(FT-POL)
S30	5448	1-12	1012	Tue	8S1Shch 61744 GALIFE 4924 1766 VOROVATYJ 5365 3480	USB	(Gwr)
S30	5448	1-12	1058	Tue	8S1Shch 75377 DIOPTRIKA 0488 2200	USB	(Gwr)
S30	5448	1-12	1112	Tue	8S1Shch 36202 KOMYeNDANT 8729 4860	USB	(Gwr)
S30	5448	1-12	1122	Tue	8S1Shch 61555 ZLORADNYJ 4728 3089	USB	(Gwr)
S30	5448	1-12	1141	Tue	8S1Shch 63209 OBOLOKON 5328 1616	USB	(Gwr)
S30	5448	1-12	1145	Tue	8S1Shch 57889 MYeNZUL'NYJ 6839 9724	USB	(Gwr)
S30	5448	1-12	1222	Tue	8S1Shch 20973 ZAL 0069 5969 NADOMNIK 4345 3155	USB	(Gwr)
S30	5448	1-12	1252	Tue	8S1Shch 89530 KRYeSTIK 6353 9647 //5180 kHz CW	USB	(Gwr)
S30	5448	2-12	1028	Wed	8S1Shch 98306 ZAMOMEL 9963 7194	USB	(Gwr)
S30	5448	2-12	1038	Wed	8S1Shch 66107 KLYKOShchUP 9542 5394	USB	(Gwr)
S30	5448	2-12	1045	Wed	8S1Shch 00352 MIGOHL0P 2650 4028 BAYaNOKROT 8431 0579	USB	(Gwr)
S30	5448	2-12	1059	Wed	8S1Shch 74007 KORZhOBRYeG 6076 8803 YeROPAH 3277 3674	USB	(Gwr)
S30	5448	2-12	1103	Wed	8S1Shch 48930 BORACIT 8072 2720	USB	(Gwr)
S30	5448	2-12	1110	Wed	8S1Shch 46124 MORION 2116 1897	USB	(Gwr)
S30	5448	2-12	1123	Wed	8S1Shch 41453 KONYuShNYa 6281 2093 KARDANNYJ 9957 3508	USB	(Gwr)
S30	5448	2-12	1249	Wed	8S1Shch 95655 AMUROPAL 2377 9768 KARABAH 4525 9281	USB	(Gwr)
S30	5448	2-12	1300	Wed	C2ZA ShchGJP TZLM FY5Ye F61N 37CN MUDR 7VNShch Zh7NZh YMA5	USB	(Gwr)
S30	5448	3-12	1009	Thu	8S1Shch 92059 GIPSOShLYeM 1270 2554 (1st repeat of header group read as "12059". "Moskovskaya vremya skolko?!" heard in background before timestamp read.	USB	(Gwr)
S30	5448	3-12	1027	Thu	8S1Shch 72490 NYeUChYeN'Ye 1770 9664	USB	(Gwr)
S30	5448	3-12	1034	Thu	8S1Shch 32198JOTOP LIS 1413 3213 NACHATOChNYJ 8031 6979	USB	(Gwr)
S30	5448	3-12	1053	Thu	8S1Shch 52051 BRYeGOHRAM 8095 4811 BYKOPAH 4233 5552	USB	(Gwr)
S30	5448	3-12	1059	Thu	8S1Shch 80183 LYaZGOGROSh 5830 0928 (in the background a voice reading: XXX XXX WEGI WEGI 39096 RYBOWEDENIE 5461 7297 K)	USB	(Gwr)
S30	5448	3-12	1104	Thu	8S1Shch 66986 GYeNYeTTIKA 9180 6924	USB	(Gwr)
S30	5448	3-12	1107	Thu	8S1Shch 65464 LISTYeRSKIY 9934 6553	USB	(Gwr)
S30	5448	3-12	1112	Thu	8S1Shch 35402 KONDYeNSACIYa 7782 2320	USB	(Gwr)
S30	5448	3-12	1220	Thu	8S1Shch 17823 GASKONSKIY 7714 3592	USB	(Gwr)
S30	5448	3-12	1237	Thu	8S1Shch 14637 GUMUS 7546 4386	USB	(Gwr)
S30	5448	3-12	928	Thu	8S1Shch ShchITONARY 160	USB	(Gwr)
S30	5448	4-12	1013	Fri	8S1Shch 70917 MALAHAJ 0850 0969	USB	(Gwr)
S30	5448	4-12	1021	Fri	8S1Shch 09088 ZhYeMANNICA 6254 4959	USB	(Gwr)
S30	5448	4-12	1027	Fri	8S1Shch 46294 NARDOMYuL' 3693 7867	USB	(Gwr)
S30	5448	4-12	1051	Fri	8S1Shch 08873 APAShOZhLOB 8520 4710	USB	(Gwr)
S30	5448	4-12	1054	Fri	8S1Shch 08912 KOShOBLIN 9294 1702	USB	(Gwr)
S30	5448	4-12	1101	Fri	8S1Shch 56772 DISKYeTKA 9686 6211	USB	(Gwr)
S30	5448	4-12	1104	Fri	8S1Shch 66899 ZhMYHOVYJ 8037 2889	USB	(Gwr)
S30	5448	4-12	1211	Fri	8S1Shch 42405 GOLODNYJ 0276 0046	USB	(Gwr)
S30	5448	4-12	1244	Fri	8S1Shch 05378 IL'MYeN' 6976 5368	USB	(Gwr)
S30	5448	7-12	1032	Mon	8S1Shch 11586 GUGNIVYJ 4139 7667 ANUSOFAL 7392 1782 AZhURNYJ 0733 9229	USB	(Gwr)

S30	5448	7-12	1033	Mon	8S1Shch 76409 VOYaZhOShchUP 8591 4870	USB	(Gwr)
S30	5448	7-12	1049	Mon	8S1Shch 92523 BYeSOPYeL 3370 4979 BOYeKOHRYuK 9925 4651 MYeChOTRYeP 7107 3806	USB	(Gwr)
S30	5448	7-12	1110	Mon	8S1Shch 83738 DYaDYuShKIN 1148 7808 KAPOBRUS 4122 5783 KLYeKOT 0365 2357	USB	(Gwr)
S30	5448	7-12	1113	Mon	8S1Shch 22734 MASTIKA 7022 8656 ZAYaCOGORN 4455 1279	USB	(Gwr)
S30	5448	7-12	1128	Mon	8S1Shch 25073 DYeRYeVNYa 3724 8245 KANDAGAR 7917 4539	USB	(Gwr)
S30	5448	7-12	1249	Mon	8S1Shch 28613 BYTOLYeS 1117 5390	USB	(Gwr)
S30	5448	9-12	1010	Wed	AGDT 'U1B OSOG BO6C F56Shch 9GSA ZhBZU 4RVZ 3VS' DKJ1	USB	(Gwr)
S30	6922	9-12	1035	Wed	8S1Shch 56023 NORDOSYeT 5254 3403	USB	(Gwr)
S30	5448	9-12	1104	Wed	8S1Shch 53130 MYeTYeN'Ye 4862 8689	USB	(Gwr)
S30	5448	10-12	1020	Thu	6I2Zh 8CShchJ 27Shch' NIDU 53OB 78MV DEAY JH'J 12CI 79AJ (8CShchJ read incorrectly as "8ShchShchJ", again someone with bad handwriting at pip!)	USB	(Gwr)
S30	5448	10-12	1042	Thu	8S1Shch 80904 ZhLOBOKROT 0539 8707	USB	(Gwr)
S30	5448	10-12	1112	Thu	8S1Shch BYTOSTIH 6759	USB	(Gwr)
S30	5448	10-12	1315	Thu	pip off for several minutes but no modulation	USB	(Gwr)
S30	5448	14-12	1049	Mon	HCLF 61Hzh ZBIL L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P (same pool and order as March 2nd)	USB	(Gwr)
S32	5473	1-12	1018	Tue	Al'fa-45 66873 MOROShKa 5775 7151 BASKOHVAT 5748 9952	USB	(Gwr)
S32	5473	1-12	1102	Tue	Al'fa-45 88906 MYeHOBRYaK 4778 8446	USB	(Gwr)
S32	5473	1-12	1114	Tue	Al'fa-45 78102 BOBOPOL 4931 4625	USB	(Gwr)
S32	5473	1-12	1124	Tue	Al'fa-45 03466 MURASHYeYeD 6372 4204	USB	(Gwr)
S32	5473	1-12	1144	Tue	Al'fa-45 04987 ZADOLZhNICA 1640 7059	USB	(Gwr)
S32	5473	1-12	1148	Tue	Al'fa-45 00510 ZAKROJShchICA 4374 7089	USB	(Gwr)
S32	5473	1-12	1227	Tue	Al'fa-45 25551 NAMORDNIK 8562 5135 NYePRILIchNYJ 0235 6395	USB	(Gwr)
S32	5473	1-12	1255	Tue	Al'fa-45 64443 KYeBOSLOT 5354 3357	USB	(Gwr)
S32	5473	2-12	1031	Wed	Al'fa-45 33786 BRYeTYeR 8716 2162	USB	(Gwr)
S32	5473	2-12	1043	Wed	Al'fa-45 23847 NADVORNYJ 8903 1808	USB	(Gwr)
S32	5473	2-12	1050	Wed	Alfa-45 47328 STOPOCHKA 3735 1594	USB	(Gwr)
S32	5473	2-12	1103	Wed	Al'fa-45 15634 KRIPTOFIT 3813 4630	USB	(Gwr)
S32	5473	2-12	1107	Wed	Al'fa-45 79784 ZALPOGRACH 1053 3338	USB	(Gwr)
S32	5473	2-12	1114	Wed	Al'fa-45 60385 DOG 9734 4064 (WEGI heavily audible in background)	USB	(Gwr)
S32	5473	2-12	1128	Wed	Al'fa-45 44761 NOZhOShchIT 6773 4386 ANODOLAZh 6179 8294	USB	(Gwr)
S32	5473	2-12	1253	Wed	Al'fa-45 90866 KARPORAB 0020 1178	USB	(Gwr)
S32	5473	3-12	1011	Thu	Al'fa-45 48853 VRUNOTIF 1581 7029	USB	(GWr)
S32	5473	3-12	1029	Thu	Al'fa-45 58719 PRISKORBNYJ 0540 3243	USB	(GWr)
S32	5473	3-12	1037	Thu	Al'fa-45 45964 GIKOHRAP 6118 1345	USB	(GWr)
S32	5473	3-12	1056	Thu	Al'fa-45 25966 MORGOChTYeC 1380 5426	USB	(GWr)
S32	5473	3-12	1102	Thu	Al'fa-45 69034 PIKA 6650 5474	USB	(GWr)
S32	5473	3-12	1106	Thu	Al'fa-45 13025 OTYeKOPAKT 6025 9590	USB	(GWr)
S32	5473	3-12	1110	Thu	Al'fa-45 48385 POLYMYa 2292 3829	USB	(GWr)
S32	5473	3-12	1115	Thu	Al'fa-45 17890 VUZOZUB 8144 2753	USB	(GWr)
S32	5473	3-12	1221	Thu	Al'fa-45 66147 BOBODIYeT 8772 8335	USB	(GWr)
S32	5473	3-12	1240	Thu	Al'fa-45 13341 DIYeNOHYeR 2943 2366	USB	(GWr)
S32	5473	3-12	929	Thu	Al'fa-45 ShchITONARY 160	USB	(GWr)
S32	5473	4-12	1016	Fri	Al'fa-45 34975 LYaRDOCIAK 0818 2852	USB	(Gwr)
S32	5473	4-12	1024	Fri	Al'fa-45 63998 PLYuShchYeN'Ye 6270 5745	USB	(Gwr)
S32	5473	4-12	1030	Fri	Al'fa-45 21121 ChUMOTRAK 4854 2361	USB	(Gwr)
S32	5473	4-12	1100	Fri	Al'fa-45 57773 BOGINYa 2854 2462	USB	(Gwr)
S32	5473	4-12	1101	Fri	Al'fa-45 20269 BRODOGRIB 7439 4673	USB	(Gwr)

S32	5473	4-12	1107	Fri	Al'fa-45 93082 PUFOS'YeM 4663 7000	USB	(Gwr)
S32	5473	4-12	1112	Fri	Al'fa-45 92783 PRUTOVNOS 1907 9513 independent wheel message (not part of a chain), very uncommon	USB	(Gwr)
S32	5473	4-12	1214	Fri	Al'fa-45 58017 AULOBAL 6755 7647	USB	(Gwr)
S32	5473	4-12	1247	Fri	Al'fa-45 50342 KLUBVYeST 6994 1385	USB	(Gwr)
S32	5473	7-12	1036	Mon	Al'fa-45 80510 KLYeVOHAN 9803 5727	USB	(Gwr)
S32	5473	7-12	1036	Mon	Al'fa-45 82878 TRYeZVOST' 9065 4603 ShShOKOFR 2398 3706 SRYVORUMB 9007 8357	USB	(Gwr)
S32	5473	7-12	1053	Mon	Al'fa-45 55854 KRYaZhOTYeST 4695 8406	USB	(Gwr)
S32	5473	7-12	1115	Mon	Al'fa-45 57199 MAVROGAM 2049 5296	USB	(Gwr)
S32	5473	7-12	1117	Mon	Al'fa-45 35581 PIZhON 2483 6494	USB	(Gwr)
S32	5473	7-12	1125	Mon	Al'fa-45 60088 SYeR'YeZNOST' 0614 7791	USB	(Gwr)
S32	5473	7-12	1253	Mon	Al'fa-45 59055 IDYeOLOG 6432 3860	USB	(Gwr)
S32	5473	9-12	1039	Wed	Al'fa-45 64332 EhTNOGRAFIYa 6640 8610	USB	(Gwr)
S32	5473	9-12	1107	Wed	Al'fa-45 34615 ROGATIN 0325 3816	USB	(Gwr)
S32	5473	10-12	1116	Thu	Al'fa-45 BYTOSTIH 6759	USB	(Gwr)
S32	5473	10-12	1318	Thu	Al'fa-45 91283 SUHOTKA 0709 2272	USB	(Gwr)
S32	5473	10-12	1944	Thu	Al'fa-45 26441 UZhIMKA 1588 1790	USB	(Gwr)
UM03	4339	11-12	1131	Fri	i.p. OK MSG NR 100 100 100 SO SO 11 12 11 12 1830 1830 = DSUJM VKMBE TVKN CWZOQ ...	CW	(JPL-HK)
UM03	4337	27-12	1149	Sun	i.p. DD5D7 N43D5 TNUU6 A43NN D7TU7 ...	CW	(JPL-HK)
UM03	8319	30-12	0825	Wed	i.p. NSNST FDKWM TYHLA LWSFS KHUII ... NR 944 PN .N 2.900. GR 43 = = WZWZW LYXPB ..BOI FKFU. . WYPR ...	CW	(JPL-RUS)
UM10	3985	3-12	1953	Thu	10-minutes net: WORZ	CW	(JPL-HK)
UM10	3362	21-12	1929	Mon	10-minutes net: 6G5Y	CW	(JPL-RUS)
UM10	5468	23-12	0029	Wed	10-minutes net: JZUN	CW	(JPL-RUS)
V07	11594	6-12	0100	Sun	571 571 571 1 5557 124 71222 36430 37553 24985 ... 14528 89840 000 000	USB	(Dan)
V07	10794	6-12	0120	Sun	571 571 571 1 5557 124 71222 36430 37553 24985 ... 14528 89840 000 000	USB	(Dan)
V07	10194	6-12	0140	Sun	571 571 571 1 5557 124 71222 36430 37553 24985 ... 14528 89840 000 000	USB	(Dan)
V07	11594	13-12	0100	Sun	571 571 571 1 9053 130 03062 49373 10475 30477..... 04831 78985 000 000	USB	(Dan-J)
V07	10794	13-12	0120	Sun	571 571 571 1 9053 130 03062 49373 10475 30477..... 04831 78985 000 000	USB	(Dan-J)
V07	10194	13-12	0140	Sun	571 571 571 1 9053 130 03062 49373 10475 30477..... 04831 78985 000 000	USB	(Dan-J)
V07	11594	20-12	0100	Sun	571 571 571 1 345 116 345 116 79924 21629 46853 ... 37358 38193 26293 000 000	USB	(Dan)
V07	10794	20-12	0120	Sun	571 571 571 1 345 116 345 116 79924 21629 46853 ... 37358 38193 26293 000 000	USB	(Dan)
V07	10194	20-12	0140	Sun	571 571 571 1 345 116 345 116 79924 21629 46853 ... 37358 38193 26293 000 000	USB	(Dan)
V07	11594	27-12	0100	Sun	571 571 571 1 7457 80 95019 37112 34441 83555 ... 87880 50425 000 000	USB	(Dan-CHN)
V07	10794	27-12	0120	Sun	571 571 571 1 7457 80 95019 37112 34441 83555 ... 87880 50425 000 000	USB	(Dan-CHN)
V07	10194	27-12	0140	Sun	571 571 571 1 7457 80 95019 37112 34441 83555 ... 87880 50425 000 000	USB	(Dan-CHN)
V26	8073	3-12	1130	Thu	XSV85: callup in Chinese voice	USB	(JPL)
V26	8073	9-12	1157	Wed	Messages in Chinese voice	USB	(JPL)
V26	8073	11-12	1130	Fri	XSV85 callup in Chinese voice	USB	(JPL)
V26	4364	15-12	1130	Tue	XSV85 calluop in Chinese voice //8073	USB	(JPL)
V26	8073	15-12	1130	Tue	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	4364	21-12	1130	Mon	Callup in Chinese voice //8073	USB	(JPL)
V26	8073	21-12	1130	Mon	Callup in Chinese voice //4364	USB	(JPL)
V26	4364	27-12	1206	Sun	Message in Chinese. Male operator //8073	USB	(JPL)
V26	8073	27-12	1206	Sun	Message in Chinese. Male operator //4364	USB	(JPL)
V26	4364	30-12	1130	Wed	XSV85 Callup in Chinese voice //8073	USB	(JPL)
V26	8073	30-12	1130	Wed	XSV85 Callup in Chinese voice //4364	USB	(JPL)
V28	2957	10-12	1304	Thu	Parrot. Messages in Korean	AM	(HK)

V28	3048	10-12	1304	Thu	Parrot. Messages in Korean	AM	(HK)
V28	3518	10-12	1304	Thu	Parrot. Messages in Korean	AM	(HK)
VC01	7763	24-12	0734	Thu	Chinese Robot i.p.	USB	(AB-KOR)
X06	17475	23-11	0823	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	11537	23-11	0904	Mon	MFA Moscow clg 421635 Russian embassy Oslo	MFSK-6	(DMS)
X06	16117	23-11	0929	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	12224	23-11	0935	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	10372	23-11	1004	Mon	MFA Moscow clg 431625 Russian embassy Warsaw	MFSK-6	(DMS)
X06	14414	29-11	1046	Sun	MFA Moscow clg 145632 Russian embassy Algiers	MFSK-6	(DMS)
X06	12157	1-12	0903	Tue	MFA Moscow clg 165423 Russian embassy Brussels	MFSK-6	(DMS)
X06	14812	1-12	0918	Tue	MFA Moscow clg 246531 Russian embassy Accra	MFSK-6	(DMS)
X06	14942	1-12	1137	Tue	MFA Moscow clg 325614 Russian embassy Nairobi	MFSK-6	(DMS)
X06	17454	1-12	1153	Tue	MFA Moscow clg 325614 Russian embassy Nairobi	MFSK-6	(DMS)
X06	14631	2-12	0938	Wed	MFA Moscow clg 362154 Russian embassy Athens	MFSK-6	(DMS)
X06	13448	3-12	0817	Thu	MFA Moscow clg 162543 Russian embassy Nicosia	MFSK-6	(DMS)
X06	13369	9-12	0832	Wed	MFA Moscow clg 412356 Russian embassy Budapest	MFSK-6	(DMS)
X06	18660	10-12	0954	Thu	MFA Moscow clg 621543: Russian embassy Lisbon	MFSK-6	(EW)
X06	9197	13-12	0722	Sun	MFA Moscow clg 164532 Russian embassy Dublin	MFSK-6	
X06	15810	13-12	1041	Sun	MFA Moscow clg 145632 Russian embassy Algiers	MFSK-6	(DMS)
X06	15710	13-12	1126	Sun	MFA Moscow clg 261453 Russian embassy Cairo	MFSK-6	(DMS)
X06	17475	14-12	0820	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	11537	14-12	0903	Mon	MFA Moscow clg 421635 Russian embassy Oslo	MFSK-6	(DMS)
X06	12224	14-12	0929	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	10372	14-12	0944	Mon	MFA Moscow clg 431625 Russian embassy Warsaw	MFSK-6	(DMS)
X06	11492	14-12	1248	Mon	MFA Moscow clg 364152 Russian embassy New Delhi	MFSK-6	(DMS)
X06	12150	16-12	0744	Wed	MFA Moscow clg 256341 Russian embassy Beirut	MFSK-6	(AB)
X06	7527	17-12	1820	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
X06	12152	21-12	0838	Mon	MFA Moscow clg 432516 Russian embassy Bern	MFSK-6	(DMS)
X06	12199	21-12	0903	Mon	MFA Moscow clg 532614 Russian embassy Paris	MFSK-6	(DMS)
X06	17470	22-12	1010	Tue	MFA Moscow clg 216354 Russian embassy Chennai	MFSK-6	(DMS)
X06	13369	23-12	0846	Wed	MFA Moscow clg 412356 Russian embassy Budapest	MFSK-6	(DMS)
X06	10214	23-12	1005	Wed	MFA Moscow clg 263145 Russian embassy Prague	MFSK-6	(DMS)
X06	14414	27-12	1053	Sun	MFA Moscow clg 145632 Russian embassy Algiers	MFSK-6	(DMS)
X06	14871	28-12	0818	Mon	MFA Moscow clg 156234 Russian embassy Kampala	MFSK-6	(DMS)
X06	11537	28-12	0901	Mon	MFA Moscow clg 421635 Russian embassy Oslo	MFSK-6	(DMS)
X06	12224	28-12	0928	Mon	MFA Moscow clg 463125 Russian embassy Rabat	MFSK-6	(DMS)
X06	10372	28-12	0948	Mon	MFA Moscow clg 431625 Russian embassy Warsaw	MFSK-6	(DMS)
X06	11492	28-12	1240	Mon	MFA Moscow clg 364152 Russian embassy New Delhi	MFSK-6	(DMS)
X06b	12168	20-11	1104	Fri	111666 before XPA2	MFSK-6	(DMS)
X06b	10968	20-11	1105	Fri	111666 before XPA2	MFSK-6	(DMS)
X06b	13894	21-11	1005	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	12194	21-11	1007	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	13394	21-11	1007	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	11494	21-11	1009	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	11094	21-11	1010	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	10494	21-11	1012	Sat	111666 before XPB	MFSK-6	(DMS)
X06b	10540	24-11	1245	Tue	111666	MFSK-6	(DMS)

X06b	13919	3-12	0802	Thu	111666 before XPA2	MFSK-6	(AB)
X06b	10289	4-12	1107	Fri	111666 before XPA2	MFSK-6	(Dan)
X06b	5831	13-12	0449	Sun	111666	MFSK-6	(DMS)
X06b	4962	13-12	0500	Sun	111666	MFSK-6	(DMS)
X06b	11493	14-12	0623	Mon	111666 before XPA2	MFSK-6	(DMS)
X06b	10650	14-12	0903	Mon	661111	MFSK-6	(DMS)
X0b	14483	14-12	1028	Mon	111666 before XPB	MFSK-6	(DMS)
X0b	12350	14-12	1234	Mon	666111	MFSK-6	(DMS)
X0b	11121	26-12	0655	Sat	166111	MFSK-6	(DMS)
X0b	13507	27-12	1055	Sun	166111	MFSK-6	(DMS)
XPA1	11531	1-12	0810	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB/HFD)
XPA1	12137	1-12	0830	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB/HFD)
XPA1	13932	1-12	0850	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB/HFD)
XPA1	13465	2-12	1310	Wed	412 412 412 000 03682 00001 00000 35263	MFSK-20/10Bd	(AB/HFD)
XPA1	12165	2-12	1330	Wed	412 412 412 000 03682 00001 00000 35263	MFSK-20/10Bd	(AB/HFD)
XPA1	11531	3-12	0810	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	12137	3-12	0830	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13932	3-12	0850	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13465	4-12	1310	Fri	412 412 412 000 03348 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	12165	4-12	1330	Fri	412 412 412 000 03348 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	10265	4-12	1350	Fri	412 412 412 000 03348 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	11531	8-12	0810	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	12137	8-12	0830	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13932	8-12	0850	Tue	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13465	9-12	1310	Wed	412 412 412 000 01704 00001 00000 36651	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	9-12	1330	Wed	412 412 412 000 01704 00001 00000 36651	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	9-12	1350	Wed	412 412 412 000 01704 00001 00000 36651	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	10-12	0810	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	12137	10-12	0830	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13932	10-12	0850	Thu	395 395 395 1 00331 00080 86520 ... 85941 89287 20413	MFSK-20/10Bd	(AB)
XPA1	13465	11-12	1310	Fri	412 412 412 000 02592 00001 00000 34663	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	11-12	1330	Fri	412 412 412 000 02592 00001 00000 34663	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	11-12	1350	Fri	412 412 412 000 02592 00001 00000 34663	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	15-12	0810	Tue	395 395 395 000 02446 00001 00000 36256	MFSK-20/10Bd	(AB)
XPA1	12137	15-12	0830	Tue	395 395 395 000 02446 00001 00000 36256	MFSK-20/10Bd	(AB)
XPA1	13932	15-12	0850	Tue	395 395 395 000 02446 00001 00000 36256	MFSK-20/10Bd	(AB)
XPA1	13465	16-12	1310	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	16-12	1330	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	16-12	1350	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	17-12	0810	Thu	395 395 395 000 02669 00001 00000 40660	MFSK-20/10Bd	(AB)
XPA1	12137	17-12	0830	Thu	395 395 395 000 02669 00001 00000 40660	MFSK-20/10Bd	(AB)
XPA1	13932	17-12	0850	Thu	395 395 395 000 02669 00001 00000 40660	MFSK-20/10Bd	(AB)
XPA1	13465	18-12	1310	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	18-12	1330	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	18-12	1350	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	22-12	0810	Tue	395 395 395 000 09608 00001 00000 40261	MFSK-20/10Bd	(AB)
XPA1	12137	22-12	0830	Tue	395 395 395 000 09608 00001 00000 40261	MFSK-20/10Bd	(AB)

XPA1	13932	22-12	0850	Tue	395 395 395 000 09608 00001 00000 40261	MFSK-20/10Bd	(AB)
XPA1	13465	23-12	1310	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	12165	23-12	1330	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	10265	23-12	1350	Wed	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	11531	24-12	0810	Thu	395 395 395 000 09407 00001 00000 36661	MFSK-20/10Bd	(AB)
XPA1	12137	24-12	0830	Thu	395 395 395 000 09407 00001 00000 36661	MFSK-20/10Bd	(AB)
XPA1	13932	24-12	0850	Thu	395 395 395 000 09407 00001 00000 36661	MFSK-20/10Bd	(AB)
XPA1	13465	25-12	1310	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	12165	25-12	1330	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	10265	25-12	1350	Fri	412 412 412 1 07855 00067 99110 ... 38939 05500 37174	MFSK-20/10Bd	(AB)
XPA1	11531	29-12	0810	Tue	395 395 395 000 09692 00001 00000 35272	MFSK-20/10Bd	(AB)
XPA1	12137	29-12	0830	Tue	395 395 395 000 09692 00001 00000 35272	MFSK-20/10Bd	(AB)
XPA1	13932	29-12	0850	Tue	395 395 395 000 09692 00001 00000 35272	MFSK-20/10Bd	(AB)
XPA1	13465	30-12	1310	Wed	412 412 412 000 04130 00001 00000 31657	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	30-12	1330	Wed	412 412 412 000 04130 00001 00000 31657	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	30-12	1350	Wed	412 412 412 000 04130 00001 00000 31657	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	31-12	0810	Thu	395 395 395 000 07637 00001 00000 37662	MFSK-20/10Bd	(AB)
XPA1	12137	31-12	0830	Thu	395 395 395 000 07637 00001 00000 37662	MFSK-20/10Bd	(AB)
XPA1	13932	31-12	0850	Thu	395 395 395 000 07637 00001 00000 37662	MFSK-20/10Bd	(AB)
XPA2	9265	1-12	1100	Tue	05168 00001 00000 35663	MFSK-16/20Bd	(AB/HFD)
XPA2	8165	1-12	1120	Tue	05168 00001 00000 35663	MFSK-16/20Bd	(AB/HFD)
XPA2	7665	1-12	1140	Tue	05168 00001 00000 35663	MFSK-16/20Bd	(AB/HFD)
XPA2	10807	1-12	1200	Tue	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	12207	1-12	1220	Tue	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13507	1-12	1240	Tue	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	8184	1-12	1600	Tue	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	7684	1-12	1620	Tue	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	6784	1-12	1640	Tue	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11493	2-12	0800	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB/HFD)
XPA2	13393	2-12	0820	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB/HFD)
XPA2	13993	2-12	0840	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB/HFD)
XPA2	13562	2-12	0910	Wed	02908 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	11583	2-12	0930	Wed	02908 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	10281	2-12	0950	Wed	02908 00001 00000 41652	MFSK-16/20Bd	(AB)
XPA2	11579	2-12	1100	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	10979	2-12	1120	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	10279	2-12	1140	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB/HFD-RUS)
XPA2	9389	2-12	1200	Wed	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	10289	2-12	1220	Wed	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11589	2-12	1240	Wed	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13919	3-12	0910	Thu	09382 00001 00000 33671	MFSK-16/29Bd	(AB)
XPA2	11519	3-12	0930	Thu	09382 00001 00000 33671	MFSK-16/29Bd	(AB)
XPA2	10719	3-12	0950	Thu	09382 00001 00000 33671	MFSK-16/29Bd	(AB)
XPA2	11579	3-12	1100	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10979	3-12	1120	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10279	3-12	1140	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	8184	3-12	1600	Thu	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ)

XPA2	7684	3-12	1620	Thu	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	3-12	1640	Thu	08634 00274 88834 ... 28877 83761 10027	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	4-12	1100	Fri	09277 00001 00000 35661	MFSK-16/20Bd	(AB/Dan)
XPA2	8165	4-12	1120	Fri	09277 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	7665	4-12	1140	Fri	09277 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	9389	4-12	1200	Fri	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ)
XPA2	10289	4-12	1220	Fri	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ)
XPA2	11589	4-12	1240	Fri	07520 00136 06840 ... 44741 75797 04712	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	5-12	0910	Sat	06799 00001 00000 41267	MFSK-16/29Bd	(AB/HFD)
XPA2	11519	5-12	0930	Sat	06799 00001 00000 41267	MFSK-16/29Bd	(AB/HFD)
XPA2	10719	5-12	0950	Sat	06799 00001 00000 41267	MFSK-16/29Bd	(AB/HFD)
XPA2	6984	5-12	1600	Sat	02894 00001 00000 37263	MFSK-16/20Bd	(MPJ/HFD)
XPA2	5884	5-12	1620	Sat	02894 00001 00000 37263	MFSK-16/20Bd	(MPJ/HFD)
XPA2	4784	5-12	1640	Sat	02894 00001 00000 37263	MFSK-16/20Bd	(MPJ/HFD)
XPA2	10807	6-12	1200	Sun	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	6-12	1220	Sun	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	6-12	1240	Sun	05672 00150 69476 ... 39067 71287 41632	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	7-12	0800	Mon	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13393	7-12	0820	Mon	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13993	7-12	0840	Mon	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13562	7-12	0910	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB/HFD)
XPA2	11583	7-12	0930	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB/HFD)
XPA2	10281	7-12	0950	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB/HFD)
XPA2	6984	7-12	1600	Mon	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	5884	7-12	1620	Mon	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	4784	7-12	1640	Mon	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	9265	8-12	1100	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	8165	8-12	1120	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	7665	8-12	1140	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	8-12	1200	Tue	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB)
XPA2	12207	8-12	1220	Tue	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB)
XPA2	13507	8-12	1240	Tue	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB)
XPA2	8184	8-12	1600	Tue	04741 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	8-12	1620	Tue	04741 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	8-12	1640	Tue	04741 00001 00000 35260	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	9-12	0800	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13393	9-12	0820	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13993	9-12	0840	Wed	06198 00089 17144 ... 69456 33380 06677	MFSK-16/20Bd	(AB)
XPA2	13562	9-12	0910	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	11583	9-12	0930	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	10281	9-12	0950	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	11579	9-12	1100	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10979	9-12	1120	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10279	9-12	1140	Wed	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	9389	9-12	1200	Wed	00489 00148 21223 ... 33719 90172 62736	MFSK-16/20Bd	(AB)
XPA2	10289	9-12	1220	Wed	00489 00148 21223 ... 33719 90172 62736	MFSK-16/20Bd	(AB)
XPA2	11589	9-12	1240	Wed	00489 00148 21223 ... 33719 90172 62736	MFSK-16/20Bd	(AB/RL)

XPA2	13919	10-12	0910	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11519	10-12	0930	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	10719	10-12	0950	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11579	10-12	1100	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10979	10-12	1120	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	10279	10-12	1140	Thu	09599 00108 54175 ... 10607 58948 67311	MFSK-16/20Bd	(AB)
XPA2	8184	10-12	1600	Thu	08589 00001 00000 40270	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	10-12	1620	Thu	08589 00001 00000 40270	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	10-12	1640	Thu	08589 00001 00000 40270	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	11-12	1100	Fri	no transmission (1120 and 1140 were on the air)	MFSK-16/20Bd	(AB/MPJ)
XPA2	8165	11-12	1120	Fri	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	7665	11-12	1140	Fri	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	9389	11-12	1200	Fri	00489 00148 21223 ... 33719 90172 62736 stopped after 20 groups	MFSK-16/20Bd	(AB/RL)
XPA2	10289	11-12	1220	Fri	00489 00148 21223 ... 33719 90172 62736	MFSK-16/20Bd	(AB/RL)
XPA2	11589	11-12	1240	Fri	00489 00148 21223 ... 33719 90172 62736	MFSK-16/20Bd	(AB/RL)
XPA2	13919	12-12	0910	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11519	12-12	0930	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	10719	12-12	0950	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	6984	12-12	1600	Sat	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	5884	12-12	1620	Sat	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	4784	12-12	1640	Sat	00577 00246 01059 ... 23276 39636 13225	MFSK-16/20Bd	(AB)
XPA2	10807	13-12	1200	Sun	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	13-12	1220	Sun	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB/RL/MPJ)
XPA2	13507	13-12	1240	Sun	00491 00158 16675 ... 80864 89143 05410	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	14-12	0800	Mon	07382 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	13393	14-12	0820	Mon	07382 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	13993	14-12	0840	Mon	07382 00001 00000 33667	MFSK-16/20Bd	(AB)
XPA2	13562	14-12	0910	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	11583	14-12	0930	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	10281	14-12	0950	Mon	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	6984	14-12	1600	Mon	07045 00001 00000 33663	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	14-12	1620	Mon	07045 00001 00000 33663	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	14-12	1640	Mon	07045 00001 00000 33663	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	15-12	1100	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB)
XPA2	8165	15-12	1120	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB)
XPA2	7665	15-12	1140	Tue	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB)
XPA2	10807	15-12	1200	Tue	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB)
XPA2	12207	15-12	1220	Tue	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB)
XPA2	13507	15-12	1240	Tue	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB)
XPA2	8184	15-12	1600	Tue	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB-POL)
XPA2	7684	15-12	1620	Tue	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB)
XPA2	6784	15-12	1640	Tue	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB)
XPA2	11493	16-12	0800	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13393	16-12	0820	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13993	16-12	0840	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13562	16-12	0910	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	11583	16-12	0930	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)

XPA2	10281	16-12	0950	Wed	00153 00089 07796 ... 77736 25795 65667	MFSK-16/20Bd	(AB)
XPA2	11579	16-12	1100	Wed	09197 00001 00000 35272	MFSK-16/20Bd	(AB)
XPA2	10979	16-12	1120	Wed	09197 00001 00000 35272	MFSK-16/20Bd	(AB)
XPA2	10279	16-12	1140	Wed	09197 00001 00000 35272	MFSK-16/20Bd	(AB)
XPA2	9389	16-12	1200	Wed	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	10289	16-12	1220	Wed	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	11589	16-12	1240	Wed	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	13919	17-12	0910	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11519	17-12	0930	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	10719	17-12	0950	Thu	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11579	17-12	1100	Thu	05187 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	10979	17-12	1120	Thu	05187 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	10279	17-12	1140	Thu	05187 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	8184	17-12	1600	Thu	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	17-12	1620	Thu	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	17-12	1640	Thu	00336 00188 50909 ... 57672 01694 12303	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	18-12	1100	Fri	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	8165	18-12	1120	Fri	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	7665	18-12	1140	Fri	09759 00151 91330 ... 76598 81040 64261	MFSK-16/20Bd	(AB/MPJ)
XPA2	9389	18-12	1200	Fri	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	10289	18-12	1220	Fri	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	11589	18-12	1240	Fri	05928 00088 43083 ... 19332 52543 53101	MFSK-16/20Bd	(AB)
XPA2	13919	19-12	0910	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	11519	19-12	0930	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	10719	19-12	0950	Sat	00164 00191 74807 ... 09220 39831 22037	MFSK-16/29Bd	(AB)
XPA2	6984	19-12	1600	Sat	09595 00001 00000 36272	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	19-12	1620	Sat	09595 00001 00000 36272	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	19-12	1640	Sat	09595 00001 00000 36272	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	20-12	1200	Sun	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	20-12	1220	Sun	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	20-12	1240	Sun	00136 00144 54451 ... 01128 40278 16046	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	21-12	0800	Mon	09354 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	13393	21-12	0820	Mon	09354 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	13993	21-12	0840	Mon	09354 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	13562	21-12	0910	Mon	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB)
XPA2	11583	21-12	0930	Mon	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB)
XPA2	10281	21-12	0950	Mon	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB)
XPA2	6984	21-12	1600	Mon	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	5884	21-12	1620	Mon	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	4784	21-12	1640	Mon	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	9265	22-12	1100	Tue	05138 00001 00000 35650	MFSK-16/20Bd	(AB)
XPA2	8165	22-12	1120	Tue	05138 00001 00000 35650	MFSK-16/20Bd	(AB)
XPA2	7665	22-12	1140	Tue	05138 00001 00000 35650	MFSK-16/20Bd	(AB)
XPA2	10807	22-12	1200	Tue	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	12207	22-12	1220	Tue	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	13507	22-12	1240	Tue	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	8184	22-12	1600	Tue	08177 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)

XPA2	7684	22-12	1620	Tue	08177 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	22-12	1640	Tue	08177 00001 00000 35267	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	23-12	0800	Wed	06063 00001 00000 32664	MFSK-16/20Bd	(AB)
XPA2	13393	23-12	0820	Wed	06063 00001 00000 32664	MFSK-16/20Bd	(AB)
XPA2	13993	23-12	0840	Wed	06063 00001 00000 32664	MFSK-16/20Bd	(AB)
XPA2	13562	23-12	0910	Wed	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB/RL)
XPA2	11583	23-12	0930	Wed	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB/RL)
XPA2	10281	23-12	0950	Wed	00467 00133 21504 ... 67963 61395 24126	MFSK-16/20Bd	(AB/RL)
XPA2	11579	23-12	1100	Wed	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB/RL)
XPA2	10979	23-12	1120	Wed	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB)
XPA2	10279	23-12	1140	Wed	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB)
XPA2	9389	23-12	1200	Wed	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB/RL)
XPA2	10289	23-12	1220	Wed	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB/RL)
XPA2	11589	23-12	1240	Wed	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB/RL)
XPA2	13919	24-12	0910	Thu	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	11519	24-12	0930	Thu	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	10719	24-12	0950	Thu	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	11579	24-12	1100	Thu	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB)
XPA2	10979	24-12	1120	Thu	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB)
XPA2	10279	24-12	1140	Thu	09618 00168 06810 ... 73766 34258 04624	MFSK-16/20Bd	(AB)
XPA2	8184	24-12	1600	Thu	09676 00001 0000 37271	MFSK-16/20Bd	(AB)
XPA2	7684	24-12	1620	Thu	09676 00001 0000 37271	MFSK-16/20Bd	(AB)
XPA2	6784	24-12	1640	Thu	09676 00001 0000 37271	MFSK-16/20Bd	(AB)
XPA2	9265	25-12	1100	Fri	06185 00001 00000 34266	MFSK-16/20Bd	(AB)
XPA2	8165	25-12	1120	Fri	06185 00001 00000 34266	MFSK-16/20Bd	(AB)
XPA2	7665	25-12	1140	Fri	06185 00001 00000 34266	MFSK-16/20Bd	(AB)
XPA2	9389	25-12	1200	Fri	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB)
XPA2	10289	25-12	1220	Fri	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB)
XPA2	11589	25-12	1240	Fri	00243 00086 60815 ... 08132 91071 41325	MFSK-16/20Bd	(AB)
XPA2	13919	26-12	0910	Sat	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	11519	26-12	0930	Sat	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	10719	26-12	0950	Sat	05994 00140 22977 ... 35415 19071 17035	MFSK-16/29Bd	(AB)
XPA2	6984	26-12	1600	Sat	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	5884	26-12	1620	Sat	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	4784	26-12	1640	Sat	05787 00196 60345 ... 34535 24209 42765	MFSK-16/20Bd	(AB)
XPA2	10807	27-12	1200	Sun	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	12207	27-12	1220	Sun	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	13507	27-12	1240	Sun	00161 00130 76181 ... 28215 08764 56316	MFSK-16/20Bd	(AB)
XPA2	11493	28-12	0800	Mon	05824 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	13393	28-12	0820	Mon	05824 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	13993	28-12	0840	Mon	05824 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	13562	28-12	0910	Mon	09402 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	11583	28-12	0930	Mon	09402 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	10281	28-12	0950	Mon	09402 00001 00000 34261	MFSK-16/20Bd	(AB/RL)
XPA2	6984	28-12	1600	Mon	02833 00001 00000 36655	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	28-12	1620	Mon	02833 00001 00000 36655	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	28-12	1640	Mon	02833 00001 00000 36655	MFSK-16/20Bd	(AB/MPJ)

XPA2	9265	29-12	1100	Tue	05107 00001 00000 35255	MFSK-16/20Bd	(AB/MPJ)
XPA2	8165	29-12	1120	Tue	05107 00001 00000 35255	MFSK-16/20Bd	(AB/MPJ)
XPA2	7665	29-12	1140	Tue	05107 00001 00000 35255	MFSK-16/20Bd	(AB/MPJ/FT)
XPA2	10807	29-12	1200	Tue	03512 00001 00000 34654	MFSK-16/20Bd	(AB)
XPA2	12207	29-12	1220	Tue	03512 00001 00000 34654	MFSK-16/20Bd	(AB/RL/FT)
XPA2	13507	29-12	1240	Tue	03512 00001 00000 34654	MFSK-16/20Bd	(AB/RL)
XPA2	8184	29-12	1600	Tue	02348 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	7684	29-12	1620	Tue	02348 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	6784	29-12	1640	Tue	02348 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	11493	30-12	0800	Wed	02397 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	13393	30-12	0820	Wed	02397 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	13993	30-12	0840	Wed	02397 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	13562	30-12	0910	Wed	05201 00001 00000 32655	MFSK-16/20Bd	(AB/RL)
XPA2	11583	30-12	0930	Wed	05201 00001 00000 32655	MFSK-16/20Bd	(AB)
XPA2	10281	30-12	0950	Wed	05201 00001 00000 32655	MFSK-16/20Bd	(AB)
XPA2	11579	30-12	1100	Wed	09137 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	10979	30-12	1120	Wed	09137 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	10279	30-12	1140	Wed	09137 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	9389	30-12	1200	Wed	07143 00001 00000 33263	MFSK-16/20Bd	(AB/RL)
XPA2	10289	30-12	1220	Wed	07143 00001 00000 33263	MFSK-16/20Bd	(AB/RL)
XPA2	11589	30-12	1240	Wed	07143 00001 00000 33263	MFSK-16/20Bd	(AB/RL)
XPA2	13919	31-12	0910	Thu	02516 00001 00000 36653	MFSK-16/29Bd	(AB)
XPA2	11519	31-12	0930	Thu	02516 00001 00000 36653	MFSK-16/29Bd	(AB)
XPA2	10719	31-12	0950	Thu	02516 00001 00000 36653	MFSK-16/29Bd	(AB)
XPA2	11579	31-12	1100	Thu	05148 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	10979	31-12	1120	Thu	05148 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	10279	31-12	1140	Thu	05148 00001 00000 35661	MFSK-16/20Bd	(AB)
XPA2	8184	31-12	1600	Thu	05082 00001 00000 32266	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	31-12	1620	Thu	05082 00001 00000 32266	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	31-12	1640	Thu	05082 00001 00000 32266	MFSK-16/20Bd	(AB/MPJ)
XPB1	12119	1-12	0600	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13419	1-12	0610	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13918	1-12	0620	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14418	1-12	0630	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14918	1-12	0640	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15918	1-12	0650	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8058	1-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	1-12	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5858	1-12	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5158	1-12	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4858	1-12	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4458	1-12	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14483	5-12	1100	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13983	5-12	1110	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13483	5-12	1120	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12183	5-12	1130	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11583	5-12	1140	Sat	Russian intel.	MFSK-16	(AB/HFD)

XPB1	10983	5-12	1150	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8058	6-12	2000	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7558	6-12	2010	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5858	6-12	2020	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5158	6-12	2030	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4858	6-12	2040	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4458	6-12	2050	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12119	7-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	7-12	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13918	7-12	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14418	7-12	0630	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14918	7-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	7-12	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14483	7-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	7-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	7-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	7-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	7-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	7-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12119	8-12	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13419	8-12	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13918	8-12	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14418	8-12	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	8-12	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15918	8-12	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8058	8-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	8-12	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5858	8-12	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5158	8-12	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4858	8-12	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4458	8-12	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14483	12-12	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	12-12	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13483	12-12	1120	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	12183	12-12	1130	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	11583	12-12	1140	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	10983	12-12	1150	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	8058	13-12	2000	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	7558	13-12	2010	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	5858	13-12	2020	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	5158	13-12	2030	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	4858	13-12	2040	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	4458	13-12	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12119	14-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	14-12	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13918	14-12	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14418	14-12	0630	Mon	Russian intel.	MFSK-16	(AB)

XPB1	14918	14-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	14-12	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14483	14-12	1100	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13983	14-12	1110	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13483	14-12	1120	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12183	14-12	1130	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11583	14-12	1140	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10983	14-12	1150	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12119	15-12	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13419	15-12	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13918	15-12	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14418	15-12	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	15-12	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15918	15-12	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8058	15-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	15-12	2010	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5858	15-12	2020	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5158	15-12	2030	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	4858	15-12	2040	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	4458	15-12	2050	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	14483	19-12	1100	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13983	19-12	1110	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13483	19-12	1120	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12183	19-12	1130	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11583	19-12	1140	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10983	19-12	1150	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8058	20-12	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7558	20-12	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5858	20-12	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5158	20-12	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4858	20-12	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4458	20-12	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12119	21-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	21-12	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13918	21-12	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14418	21-12	0630	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14918	21-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	21-12	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14483	21-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	21-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	21-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	21-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	21-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	21-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12119	22-12	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13419	22-12	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13918	22-12	0620	Tue	Russian intel.	MFSK-16	(AB)

XPB1	14418	22-12	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	22-12	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15918	22-12	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8058	22-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	22-12	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5858	22-12	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5158	22-12	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4858	22-12	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4458	22-12	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14483	26-12	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	26-12	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13483	26-12	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12183	26-12	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11583	26-12	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10983	26-12	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	27-12	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7558	27-12	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5858	27-12	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5158	27-12	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4858	27-12	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4458	27-12	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12119	28-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	28-12	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13918	28-12	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14418	28-12	0630	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14918	28-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	28-12	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14483	28-12	1100	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13983	28-12	1110	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13483	28-12	1120	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12183	28-12	1130	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11583	28-12	1140	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10983	28-12	1150	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12119	29-12	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13419	29-12	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13918	29-12	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14418	29-12	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14918	29-12	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15918	29-12	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8058	29-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	29-12	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5858	29-12	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5158	29-12	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4858	29-12	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4458	29-12	2050	Tue	Russian intel.	MFSK-16	(AB)
XSL	4153	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

XSL	4291	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8587.5	4-12	0952	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4153	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	8313	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	8587.5	11-12	1103	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	6250	29-12	0945	Tue	Japanese Navy a.k.a. Slot Machine	QPSK/1500Bd	(FT-AUS)
XSL	4153	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	4231.5	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	4291	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	6250	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	6417	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	6445	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	8313	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)
XSL	8587.5	30-12	1340	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-PHL)

Designators

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrids of analog and digital modes
M (C)	Morse code (Chinese)
P	QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	G06, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM10	Morse	?	

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

Figures and words used by the various numbers stations

Cut numbers

Several stations are using cut numbers. Often only the zero which is represented by the letter "T".

M89 and M95 cut numbers A U 3 4 5 6 7 D N T
 1 2 3 4 5 6 7 8 9 0

M08a cut numbers A N D U W R I G M T
 1 2 3 4 5 6 7 8 9 0

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itzien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	. . — — —	Hai	To	Dwojka	Twso	Two
3	. . . — —	Ba	Fwee	Trojka	Drei	Three
4 —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorika	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — . . .	Ba y	Seven	Siem	Sieben	Seven
8	— — — . .	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	—
Out	Out	Konets	

Note: M03 and M08a are defunct.

See for more information our [Numbers & Oddities website](#)

COLOPHON

"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.

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

Relevant mailing lists and websites:

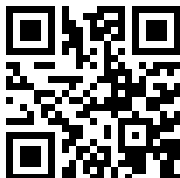
NUMBERS & ODDITIES	http://www.numbersoddities.nl
SPY NUMBERS ONLINE DATABASE	http://www.spynumbers.com/numbersDB
UDXF - UTILITY DXERS FORUM	http://www.udxf.nl
HF UNDERGROUND	http://www.hfunderground.com/board/
PRIYOM	http://priyom.org/
ENIGMA	http://www.signalshed.com/
NUMBERS STATIONS SCHEDULES	http://priyom.org/number-stations/station-schedule

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

976 27364 92886 89428 61288 14982 30498 32704 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 486
67 68768 68763 34234 34238 68768 62342 48273 48768 230
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
983 98798 98754 98754 98754 98754 29867 67543 67986 86
976 87698 69876 87698 69876 87612 12341 34867 86798 652
867 43298 65656 56756 56123 32143 14321 32143 14321 321
867 87287 58765 76587 58765 76587 58765 76587 58756 765
86743 76587 76587 76587 76587 76587 76587 76587 76587 76587

N&O



UDXF

