

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
707	58767	76587	58765	76587	58765	76587	58765	76587	58

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #259, April 2019

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)  
Numbers & Oddities <http://www.numbersoddities.nl>

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

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



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## FOREWORD

A new designator was assigned in April: XPB1. This is the Russian MFSK-16 mode mentioned last month, formerly logged under the generic Russian diplo/intel code M42.

Enigma 2000 has changed the designator for XPA, which is now XPA1. The numbers stations logs database and designator list will be updated accordingly.

We heard quite some E07 and E11a messages, and M12 and XPA2 were very active too. HM01 and M08a, on the other hand, were completely dead. HM01 still repeats the message of 22 February and M08a seems to be silent since late February.

The Ukrainian/Russia propaganda war on 7050/7055 kHz LSB is still going on. I was asked why N&O doesn't cover propaganda and clandestine stations. The answer is simple: no-one steps forward to edit a (bi)monthly column about these stations. As I said before:volunteers are welcome!!!

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## VOICE STATIONS

### E06

#### **15645/17470 kHz, 04-04/05-04, 0500/0600 UTC**

951 803 62  
70049 32865 70138 32471 48902 04482 22709 06330 66094 94323  
13104 73121 18571 71470 83477 02383 22833 37534 12466 15195  
98811 39807 49699 00513 70258 66942 62920 94477 80066 19326  
58627 27411 43981 71354 62197 68169 91115 67780 68417 20545  
64728 21390 98363 51413 81691 03982 23563 55299 74081 48198  
43380 85063 61346 02034 26567 03382 26469 03421 52904 34716  
94572 67019  
803 62 00000

#### **5186 kHz, 04-04, 2030 UTC**

891 472 52  
12265 10965 47839 38654 84677 93453 62217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92190 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
472 52 00000  
Windows shut down sound

#### **5197 kHz, 05-04, 2130 UTC**

#### **5195 kHz, 19-04, 2130 UTC**

634 967 42  
45678 68475 69385 39620 49385 58736 37233 65864 28376 29395  
48638 34693 23852 23468 34679 34689 32929 23658 24368 26722  
67564 69477 23725 24369 90453 78347 36125 21632 13258 23658  
65824 67893 79435 83478 32496 23582 29693 23682 23692 23648  
23936 26389  
967 42 0000

**15645/17470 kHz, 18-04, 0500/0600 UTC**

951 437 62  
91217 99013 67600 89312 10376 96426 46279 98230 20010 06817  
94387 44859 10038 73694 74085 78006 89609 43372 94747 08596  
08539 15866 86208 09600 25701 30651 46311 47549 35349 41975  
36212 52817 87273 63408 21883 20857 61743 86318 85233 61586  
85178 01959 53306 39102 97476 81857 18975 68917 06936 96197  
51581 64901 93717 74866 20951 53117 47782 40875 83231 94740  
52228 70826  
437 62 00000

**E07**

10 different E07 messages is not bad. Some were quite long.

**15819/14419/12219 kHz, 01-04/03-04, 1900/1920/1940 UTC**

842 827 142 827 142  
65226 59083 59225 28477 68875 34641 37787 85276 20258 33594  
68849 62983 97194 12438 54507 43107 21671 06134 52856 17478  
59456 04020 86217 53180 21363 42332 92618 42584 17796 89322  
94747 71440 85503 51546 62033 91892 83865 13165 07551 37237  
22124 53278 68197 45494 75194 30302 33507 61430 15516 87027  
21360 04876 43489 18711 99410 29960 40007 79526 21216 30780  
73907 76867 15185 70550 64633 93148 69716 99678 87875 00522  
14937 91338 85183 57109 76767 85015 94333 40643 41367 61086  
81356 01339 49241 91479 31802 35446 02485 77957 79909 71662  
27802 35886 02159 44651 43726 35362 85110 19522 93895 63049  
18069 82769 94970 56280 96072 14242 02549 99464 13193 39583  
78566 42073 50143 26511 68548 07474 52209 03215 32479 09091  
91453 33242 79205 38697 13848 75863 40790 86264 14374 69264  
28157 21014 72858 75819 55001 89962 49732 25814 73920 58716  
08532 17575 000 000

**17453/18453/19653 kHz, 05-04, 0700/0720/0740 UTC**

446 446 446 1 233 97 233 97  
11702 54565 77885 03815 75821 15190 13545 14005 22302 03970  
67481 47858 99283 53472 81177 24165 39460 65458 51137 61111  
05548 32071 00511 89556 59543 47194 52432 63237 65349 49199  
02402 80132 26277 27703 83287 42473 28909 61311 63992 79137  
33200 48704 49638 75885 14075 89255 68439 62679 71489 22630  
79732 76414 84858 97062 63500 38536 54999 88481 00676 80357  
39870 89979 61905 56535 61269 84029 20796 42871 36351 99290  
10643 43128 55802 88066 12991 70618 39913 60399 24862 19065  
39573 26919 92990 17301 42167 41694 04612 93359 65374 94207  
03840 60140 56415 16831 54740 72500 51943 000 000

**13417/12117/10717 kHz, 07-04/10-04, 1700/1732/1804 UTC**

**The 3rd transmission stopped at group 175, Resumed with group 166 after 417 417 417 1 (3x)**

417 417 417 1 6882 250 6882 250

34013 20389 57139 23647 43150 98189 62348 78078 32283 36523  
03830 53783 15777 19869 59337 18269 26417 61926 45613 81349  
72007 19779 21796 19084 89591 80837 75551 41392 32876 61032  
79343 52175 43719 70515 78143 31707 58081 54333 79068 01413  
34634 12676 53265 75461 42545 86722 99350 28333 78312 19930  
93354 84920 84555 53693 18721 33869 65793 33966 91823 93463  
19317 88201 43456 30677 01605 74551 95342 10515 59924 22407  
16360 93900 97084 65199 84112 09542 40364 92315 18102 57979  
93092 24501 47550 97886 50160 14560 01154 18282 26520 32860  
21632 40469 91695 43835 49280 84142 75171 99270 63914 87205  
98335 25330 95400 50922 97282 03936 05405 30799 14225 91880  
17032 15515 16970 07145 63302 43390 53644 81251 36147 39056  
25622 00599 91881 84414 95079 01584 25554 48867 52231 52883  
75749 21990 23858 86784 07566 36158 18617 04959 17976 93389  
47656 48988 41708 26275 00765 58251 17771 64266 60179 18535  
44453 61955 08984 94837 74435 07012 37320 74414 46938 99070  
85608 27633 89522 16022 85773 54073 57296 26197 26070 28512  
71598 77493 95250 18981 44421 86962 79192 96679 33501 55680  
02395 62232 68230 80499 23844 71668 15309 02141 68100 74854  
21496 69319 96995 25971 87804 91719 65978 17663 84922 14314  
17243 99019 04621 44364 07121 77429 64090 56717 55764 68222  
90645 11814 15986 31836 55476 52091 16751 99608 45844 74670  
63955 63576 22909 03593 25590 18917 06666 23677 11038 68178  
00021 80534 95380 10395 68252 17974 59740 42613 11460 90927  
88405 57180 34630 26044 83214 28333 29766 37678 27001 11466  
000 000

**20574/19074/17474 kHz, 09-04/12-04, 1100/1120/1140 UTC**

504 504 540 1 391 198 391 198

49332 05038 27074 40117 39514 53239 24841 62462 53901 84638  
85143 42515 19488 03591 61221 30018 19188 22175 71584 85095  
56451 34877 48148 69775 25495 90384 45592 84464 10423 11664  
02042 13667 45155 88381 17040 51352 92632 65293 64167 37294  
19650 42664 94141 69712 51915 73177 01928 51596 16076 41374  
18952 84343 61694 51008 49861 96681 38093 41103 96565 64799  
14959 45795 63573 06848 37679 29903 75913 84477 71127 07103  
39268 29583 56634 40011 20196 73708 98787 09270 76436 46505  
55599 84883 08501 46106 24898 76418 19195 68088 12139 45188  
87910 44565 78486 51364 15525 20769 43195 74560 36017 06191  
04904 09385 37681 16412 48568 14839 85378 53964 29043 50080  
69194 29451 87641 46458 49497 69161 38662 17423 78978 16891  
27589 94201 44610 77338 44767 73235 45912 11444 43515 07586  
68444 70693 63672 92766 41109 85934 69285 84989 37365 29304  
74542 63713 70962 86391 51675 34952 19188 31126 80951 19894  
13015 67197 74008 38325 13236 72490 75019 22534 88828 70904  
67522 84143 67802 02776 70555 87888 56040 39930 72399 55457  
67887 98214 72112 32025 39007 76244 68811 67083 61337 71784  
91624 03501 92344 10124 41595 80078 27300 47817 60131 91143  
43919 74029 51630 55908 98513 02139 77294 79487 000 000

**13417/12117/10717 kHz, 14-04/17-04, 1700/1732/1804 UTC**

417 417 417 1 358 153 358 153  
95208 92164 43476 03947 19651 59482 92005 71613 31304 45597  
83603 39351 67159 75600 74157 52672 74774 88077 83631 69509  
32071 01856 15355 94038 51074 97700 11826 03561 34540 09920  
98500 77552 36807 68704 03783 03449 33924 01112 02143 74965  
70653 01419 20854 04335 55695 28049 71566 10850 08610 78265  
47201 82457 27622 58866 14450 12765 59502 90811 63611 00007  
95603 33825 42434 25099 79843 32777 92243 32372 14002 96123  
38736 54097 30807 27122 38375 38216 24603 19170 83974 71055  
08585 60996 58560 93575 62983 87933 89184 23694 88841 90077  
44753 30382 90147 63273 29335 06411 35974 64506 91676 43524  
01404 90902 61841 83814 72942 65056 96046 87630 23790 94683  
90777 15681 71958 95517 47926 07744 46746 89857 63252 94235  
13309 37911 80497 56542 10096 10184 21521 30402 24715 78270  
37800 08474 10534 43721 81146 12140 87032 18144 83789 68583  
52270 92107 50465 42551 73183 31498 35842 24353 06934 67575  
60085 79174 98262 000 000

**17453/18453/19653 kHz, 16-04/19-04, 0700/0720/0740 UTC**

446 446 446 1 264 89 264 89  
46415 98054 81334 65588 83045 62981 99603 99417 31063 59011  
48660 66767 40820 75721 20745 73929 31206 11616 21243 87398  
51141 43371 00266 14118 90134 66552 74031 19178 62409 93200  
09529 68228 81955 29781 91781 71733 68874 00331 93883 66556  
43132 39413 22815 63662 42611 90083 82707 24496 00744 36062  
06644 80745 63342 23480 32691 61718 39160 56315 49646 29823  
34135 75738 89282 63004 44496 45698 23449 13166 41765 19625  
01286 15131 76832 16906 85148 56927 06019 77898 48333 26742  
10465 26485 89365 99823 38531 01770 00560 93423 99627 000 000

**20574/19074/17474 kHz, 16-04/19-04, 1100/1120/1140 UTC**

504 504 504 1 485 26 485 26  
41392 37701 90953 72408 19820 20980 39665 73758 03041 41399  
33728 36674 72897 22280 83375 15812 17938 97928 14928 71261  
39289 21687 63664 27701 57139 25593 000 000

**9064/10264/11464 kHz, 20-04/21-04/27-04/28-04/29-04, 0600/0620/0640 UTC**

**9064/10264/11464 kHz, 21-04/25-04/29-04, 1300/1320/1340 UTC**

024 024 024 1 297 73 297 73  
39552 61383 93531 18756 16186 58457 83626 89505 13621 71502  
49949 12343 12675 13340 36838 56752 69808 29217 60755 86344  
42185 25777 13183 03551 49591 89130 98597 74063 03535 14883  
93635 03192 43195 44606 08077 59435 76306 12275 09616 52634  
19183 41854 97668 89842 55170 01470 06559 24085 65925 08999  
02390 16492 03707 62342 64498 06016 71415 32364 43093 10365  
91102 62238 98637 97100 45256 96470 80236 47709 05889 66025  
78023 20081 09737 000 000

**13417/12117/10717 kHz, 24-04/29-04, 1700/1732/1804 UTC**

417 417 417 1 317 178 317 178

35618 71080 14151 10543 04107 87724 67743 90596 84734 29394  
71163 16066 57395 81014 23528 36564 55485 69555 03314 79136  
64333 36193 78499 50289 42637 91457 94716 58872 39223 63311  
39734 77531 91674 57915 83175 51792 22337 70878 45751 11797  
99510 96412 75745 46151 54545 80200 60697 82091 94611 74085  
41731 59388 80499 21266 91682 65327 97105 96634 42235 16865  
93819 49030 48083 91930 26199 92157 60551 30303 69890 00612  
05559 49487 70305 71049 95840 94886 92976 19541 58710 79829  
39727 85116 75502 13817 06915 23840 05995 05906 56774 45336  
00087 90078 31156 00282 09683 37496 30861 78804 31703 59151  
32042 91194 61035 92285 91744 14688 49525 81081 24634 37001  
27156 92599 87306 99685 57546 35270 83869 46384 85053 10713  
70734 83839 10192 91064 32734 87043 00558 95393 39925 58389  
23324 16086 89064 33668 54884 63790 04890 07648 40767 53861  
35604 35723 89283 63409 64766 02288 26311 57709 22090 46764  
71545 64029 96645 38938 85166 66562 72105 60948 21622 84773  
37014 24517 23620 35469 75832 35104 65569 92638 87391 66757  
25835 83446 90960 83635 39850 32013 81719 43787 000 000

**20574/19074/17474 kHz, 30-04, 1100/1120/1140 UTC**

504 504 504 1 252 40 252 40

51475 45887 65781 01362 34034 40125 72715 65764 46316 03790  
17547 69607 75702 31734 22747 65732 17783 30315 41750 67893  
77524 45493 41383 57931 53249 54251 29931 92887 78113 43493  
11008 53161 81763 74390 36358 16524 26159 90169 13737 69761  
000 000

**E11a**

**10213 kHz, 01-04, 0745 UTC**

**10330 kHz, 04-04, 1530 UTC**

269/37 Attention

06609 22127 11924 86200 90153 73091 44656 10394 11783 64162  
68067 94571 62678 27406 61368 58702 61974 36093 71353 10579  
21962 73602 19617 59142 74338 67612 54052 68505 72315 66734  
03570 55538 97219 99347 32691 14336 63947

Attention (message repeated) Out

**5941 kHz, 01-04/04-04, 0820 UTC**

436/33 Attention

05519 43750 16309 60988 81905 15608 32784 75866 16815 65420  
02817 73837 51684 43783 50360 26344 07010 34843 66894 94916  
48305 13230 78891 56584 84306 57440 35164 83776 11508 13291  
72929 97680 96782

Attention (message repeated) Out

**8180 kHz, 01-04/03-04, 0900 UTC**

532/37 Attention

29248 23543 72440 94018 26851 30242 99491 31193 89785 16310  
75811 76246 36418 10725 50279 68249 07245 67851 09048 43526  
14096 22988 33965 29435 81057 21985 19178 98365 55618 63939  
61934 69154 25447 62639 41205 39176 98627

Attention (message repeated) Out

**7317 kHz, 01-04/03-04, 1045 UTC**

694/30 Attention

52293 48765 99776 50247 29826 99222 69249 40949 30986 77100  
79260 28941 82026 59965 27104 68549 80808 85745 34177 05376  
05533 55376 80471 98939 50753 50887 41430 30364 32322 11556

Attention (message repeated) Out

**8180 kHz, 02-04/05-04, 0700 UTC**

579/35 Attention

87333 85517 67876 04784 89534 69003 26788 88784 37198 48532  
98299 04341 79709 20044 72494 18955 29327 81138 14085 82053  
46445 42095 53193 05895 37496 31259 64825 54352 88784 91977  
27022 11017 76465 43880 72429

Attention (message repeated) Out

**7840 kHz, 02-04/05-04, 1000 UTC**

305/22 Attention

94588 69617 53636 14337 45148 35830 55892 54578 93066 53189  
81524 33865 78926 44405 66513 40792 56930 56050 93695 18607  
35497 95507

Attention (message repeated) Out

**6923 kHz, 02-04, 1205 UTC**

468/47 Attention

87877 71991 33798 99917 34137 18799 16812 24882 32212 80848  
04069 09127 40516 06319 13277 90363 76012 61781 53298 74732  
00754 55602 40448 02334 71747 12086 83933 35302 59149 68230  
00069 78040 28819 77686 00296 93398 74106 52506 25613 80305  
79846 11572 72225 75148 45754 07362 73803

Attention (message repeated) Out

**13046 kHz, 02-04/06-04, 1345 UTC**

915/40 Attention

83420 34983 05698 37818 85861 04394 32359 29335 65186 65552  
91895 71381 62942 90346 30158 43312 95913 36625 55631 03901  
15158 62560 52545 67985 91215 49017 58897 87947 11246 64050  
22011 07712 99792 78960 49620 06600 48131 64846 95715 52014

Attention (message repeated) Out

**10620 kHz, 02-04/04-04, 1925 UTC**

550/32 Attention

54912 93226 65634 34526 08223 41306 27747 46852 26776 40229  
84739 07641 95226 82162 40125 40969 48077 38399 37398 58948  
29214 92183 15801 97578 69684 48981 80725 11645 21105 30831  
77025 36425

Attention (message repeated) Out

**8180 kHz, 03-04, 0900 UTC**

532/37 Attention

29248 23543 72440 94018 26851 30242 99491 31193 89785 16310  
75811 76246 36418 10725 50279 68249 07245 67851 09048 43526  
14096 22988 33965 29435 81057 21985 19178 98365 55618 63939  
61934 69154 25447 62639 41205 39176 98627

Attention (message repeated) Out

**6940 kHz, 03-04/04-04, 0930 UTC**

271/36 Attention

40872 68840 07927 73271 05414 97258 23926 87652 47026 20061  
74038 32327 44798 07679 73129 56274 19119 84387 84101 58303  
12161 54602 03719 16836 42814 61417 32859 09101 26440 32110  
67066 55426 28804 65102 17778 65969

Attention (message repeated) Out

**6923 kHz, 03-04, 1205 UTC**

**Note: repeat of 2 April but using a different id: 468 vs 467**

467/47 Attention

87877 71991 33798 99917 34137 18799 16812 24882 32212 80848  
04069 09127 40516 06319 13277 90363 76012 61781 53298 74732  
00754 55602 40448 02334 71747 12086 83933 35302 59149 68230  
00069 78040 28819 77686 00296 93398 74106 52506 25613 80305  
79846 11572 72225 75148 45754 07362 73803

Attention (message repeated) Out

**12089 kHz, 08-04/12-04, 0600 UTC**

189/33 Attention

00420 41097 97986 10363 35121 95532 02872 43931 62871 75146  
33950 66326 76844 52136 20558 18591 21063 45849 17028 15217  
95833 65325 54105 53687 30240 67348 37173 70756 74351 52866  
88554 27525 56890

Attention (message repeated) Out

**13470 kHz, 08-04, 1745 UTC**

246/39 Attention

40946 51563 89525 41744 00149 78261 17286 31755 11588 12536  
95028 67461 24265 28498 61420 85670 63584 03475 67803 99771  
95327 14497 86938 10508 11394 53646 64109 25200 03732 28649  
97407 23948 86103 67781 78677 18742 04758 98740 69489

Attention (message repeated) Out

**7317 kHz, 08-04, 1900 UTC**

647/40 Attention

68293 88876 01791 10574 87798 54671 91553 74483 73813 30767  
10817 91304 73797 20194 76899 88884 10583 90782 95404 20164  
80879 90793 91789 13506 12221 52931 16507 54919 44477 86126  
75200 09823 09603 70174 58998 98122 69223 57487 79691 09304

Attention (message repeated) Out

**10800 kHz, 09-04/11-04, 0645 UTC**

515/35 Attention

72745 80818 70106 39487 07835 93771 96503 13151 99125 21175  
39790 42062 79957 36046 75978 73116 08514 74917 54388 24532  
00542 11362 01640 82583 63597 60477 33489 61225 64570 91355  
91653 10332 89367 48898 48637

Attention (message repeated) Out

**9963 kHz, 09-04/12-04, 0715 UTC**

636/36 Attention

44951 03425 32045 07721 42140 73437 31367 93601 49171 57048  
35333 56516 50630 52292 08839 93327 74237 38956 70800 81040  
11246 53460 40643 95130 41399 66298 15824 10152 31983 56763  
52388 14805 10728 17902 18864 83766

Attention (message repeated) Out



**6923 kHz, 09-04/10-04, 1205 UTC**

461/39 Attention

21254 65584 99964 39232 16312 83873 96801 40598 41550 31131  
25719 03442 08070 50367 13479 71760 63494 03466 94497 13160  
05735 11955 17483 55243 77744 56562 31260 83057 30034 42402  
90019 26098 89850 08066 25866 08157 88353 79945 91695

Attention (message repeated) Out

**6397 kHz, 09-04,/14-04 1605 UTC**

237/31 Attention

47459 79964 02720 15649 49171 30316 77976 13787 75138 60129  
88977 86548 70038 79096 19574 86144 37285 87891 83674 26703  
94052 78423 42003 94542 72028 80216 52843 59753 04140 64058  
48959

Attention (message repeated) Out

**17410 kHz, 10-04/12-04, 0745 UTC**

344/38 Attention

79529 74688 49488 52848 61519 94073 86622 17555 06977 86681  
82061 50399 35926 13716 62533 97286 70931 29955 27819 32052  
88576 50418 17410 71156 25378 54686 64793 41725 38165 47269  
19990 31516 01626 37755 09352 19293 44303 58687

Attention (message repeated) Out

**7317 kHz, 11-04, 1900 UTC**

647/40 Attention

68293 88876 01791 10574 87798 54671 91553 74483 73813 30767  
10817 91304 73797 20194 76899 88884 10583 90782 95404 20164  
80879 90793 91789 13506 12221 52931 16507 54919 44477 86126  
75200 09823 09603 70174 58998 98122 69223 57487 79691 09304

Attention (message repeated) Out

**13470 kHz, 14-04, 1745 UTC**

246/39 Attention

40946 51563 89525 41744 00149 78261 17286 31755 11588 12536  
95028 67461 24265 28498 61420 85670 63584 03475 67803 99771  
95327 14497 86938 10508 11394 53646 64109 25200 03732 28649  
97407 23948 96103 67781 78677 18742 04758 98740 69489

Attention (message repeated) Out

**5371 kHz, 15-04, 0450 UTC**

418/34 Attention

65715 71066 01333 42523 62254 34336 63491 14829 43284 94919  
94894 72072 02225 75335 59076 92646 76200 08515 99669 56115  
54513 86110 59794 55350 84028 52330 83552 53090 93833 09036  
91535 12932 59071 24241

Attention (message repeated) Out

**7317 kHz, 15-04/17-04, 1045 UTC**

693/37 Attention

26210 10297 20336 94498 39089 78964 72914 06236 86453 88819  
94113 28808 29023 24661 03178 86160 33802 42098 51354 55890  
35048 29433 38801 93725 87463 12194 03212 85117 19200 98819  
15874 34726 89432 14342 89151 16116 26019

Attention (message repeated) Out

**10800 kHz, 16-04/18-04, 1645 UTC**

335/34 Attention

98308 19882 15852 98493 82133 54887 77577 92653 82875 90536  
29060 65879 97690 24505 47427 65475 31724 16740 05885 93465  
35344 51726 35960 75362 35728 74872 69011 22873 13002 32224  
93896 61495 76702 59196

Attention (message repeated) Out

**10448 kHz, 17-04/21-04, 1625 UTC**

976/38 Attention

45139 42634 16912 12465 43240 51515 39392 82209 79183 17047  
78469 24159 24875 92583 37878 58927 81032 21922 36011 66284  
03345 67475 18191 96347 29598 89163 67028 18601 52719 51325  
72065 98621 93137 37251 60427 83046 46472 53658

Attention (message repeated) Out

**8102 kHz, 20-04/21-04, 0710 UTC**

498/35 Attention

83010 62974 99270 56268 80707 22714 40672 98597 06071 58170  
58705 63074 01493 08563 78496 17175 82634 12964 69927 47894  
40386 14849 56176 70777 47247 92030 81637 26354 98925 34839  
98350 26856 18780 49018 02869

Attention (message repeated) Out

**5371 kHz, 20-04/21-04, 0805 UTC**

314/36 Attention

49399 08289 92631 73812 12929 37107 21938 99458 82849 27553  
88596 08528 31190 95500 17113 48121 01670 71100 43665 92992  
57485 84545 65793 75469 35891 19569 29984 40638 88080 77414  
71061 63914 67619 49818 36323 55680

Attention (message repeated) Out

**4505 kHz, 20-04/21-04, 1930 UTC**

369/32 Attention

98101 07174 32925 23881 92774 72006 30660 28996 13256 14482  
70124 50312 30641 43938 66766 43964 29061 32560 15223 84048  
15381 36040 11365 25222 63640 10689 85746 99404 53871 63645  
25419 09064

Attention (message repeated) Out

**5737 kHz, 22-04/26-04, 1530 UTC**

528/39 Attention

20640 91635 24151 90676 11396 62693 69445 03158 72974 04286  
78782 68827 64949 16893 77281 75962 31764 09644 10668 09194  
84417 97345 80700 22161 13694 98807 98081 17155 70208 52677  
05874 47421 96820 88688 05388 61514 34266 13639 77677

Attention (message repeated) Out

**19184 kHz, 23-04, 0820 UTC**

136/33 Attention

06514 20963 22301 67263 14316 72390 13805 16927 68528 03088  
62354 35014 52273 98987 09097 12273 28689 93038 91166 25699  
58563 29128 69360 78690 41243 74542 95275 10631 83598 77672  
26281 48925 91032

Attention (message repeated) Out

**12202 kHz, 23-04/25-04, 0845 UTC**

159/32 Attention

63807 70124 40558 86939 83793 08668 43582 47068 18455 71375  
72235 54044 83504 29259 20598 25773 51324 23409 45810 78277  
46790 68695 88078 25732 40272 64841 81618 22296 14828 38443  
93159 23779

Attention (message repeated) Out

**4181 kHz, 24-04/27-04, 1705 UTC**

399/33 Attention

54487 29355 92751 74503 16595 03408 71017 18228 37277 16991  
75904 22673 64119 03392 22780 82628 09246 77814 66513 45620  
42458 40537 32951 45801 79534 83764 19478 30493 54239 94838  
69853 98749 09369

Attention (message repeated) Out

**5844 kHz, 24-04/27-04, 1730 UTC**

404/33 Attention

47498 88474 11686 99907 61114 76693 76012 57106 57638 31243  
30243 98314 63386 95463 80627 82389 93318 78986 49551 29215  
16429 38936 55951 97611 14456 48011 84823 74550 50151 46877  
11512 83454 64987

Attention (message repeated) Out

**5941 kHz, 25-04, 0820 UTC**

432/30 Attention

96379 01464 72242 20186 63533 67585 50981 79708 02885 48523  
73256 15211 47767 73872 93514 23767 29174 69541 38819 61431  
37591 57955 78029 11120 07502 26210 12431 08535 48760 62896

Attention (message repeated) Out

**13873 kHz, 25-04, 1300 UTC**

581/36 Attention

79192 21075 66267 13747 40191 70696 51309 59161 17029 08522  
10712 60695 98457 91632 79872 66134 55729 26066 12412 39780  
68541 25389 54174 10338 05130 33939 52415 06046 62682 31825  
28265 76680 81594 12990 02350 96051

Attention (message repeated) Out

**7749 kHz, 25-04, 1925 UTC**

557/36 Attention

55168 16229 23237 70077 46754 73987 84713 42723 00746 26524  
79423 74562 08983 64564 90588 84797 67443 51423 69071 60300  
14840 50609 41984 34914 05376 95173 74224 98291 68653 41098  
75013 21214 27403 20914 13407 65727

Attention (message repeated) Out

**13873 kHz, 26-04/29-04, 1650 UTC**

924/37 Attention

56766 93732 41634 33091 71581 47764 81262 18536 59414 90610  
46452 40712 07554 71574 15073 28215 84074 01552 37569 45762  
30840 84894 39565 97377 10039 37152 56418 77528 37420 97828  
49167 71702 12664 63654 32338 59566 02547

Attention (message repeated) Out

**8530 kHz, 26-04/29-04, 1910 UTC**

613/33 Attention

33958 44101 55504 42267 60861 42085 12321 96032 59121 97920

81084 15266 89444 77055 41778 40566 75203 55961 35045 90010

06705 33582 22314 70599 01593 14174 49885 00164 62289 78896

05909 04516 94753

Attention (message repeated) Out

## **E17z**

**14260/12930 kHz, 04-04/11-04, 0800/0810 UTC**

674 932 5 04049 30193 55678 42961 86336 932 5 00000

**14260/12930 kHz, 18-04/25-04, 0800/0810 UTC**

674 931 5 34917 36991 38643 30996 35333 931 5 00000

## **G06**

**5934 kHz, 11-04, 1830 UTC**

579 968 43

43057 32409 32495 08950 27489 34752 98532 02934 28472 28402

32845 03285 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 03856 04582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

**5442 kHz, 12-04/26-04, 1930 UTC**

947 968 43

43057 32409 32495 08950 27489 34752 98532 02934 28472 28402

32845 03285 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 03856 04582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

**5186 kHz, 18-04, 2030 UTC. G06 instead of expected E06**

891 472 52

12265 10965 47839 38654 84677 93453 62217 84393 04673 97564

01824 75643 84221 95647 92112 94543 76577 43435 47322 84232

95674 87344 57438 45763 49325 57438 92190 96785 21244 05674

01765 76354 83645 21234 97564 82133 07564 83234 75312 71211

05674 65374 67321 94884 23483 82521 41212 57333 85331 53234

05124 95732

472 52 00000

Windows shut down sound

**5934 kHz, 25-04, 1830 UTC**

579 968 43

43057 32409 32495 08950 27489 34752 98532 02934 28472 28402

32845 03285 89802 08245 98562 08025 08265 65832 94726 74832

28490 92940 03856 04582 95832 84595 92053 85462 82659 45367

28750 08673 74624 87902 84375 89320 65244 33225 26583 82874

29384 88773 36125

968 43 00000

## S06

### 9123/5918 kHz, 25-04, 2130/2230 UTC

726 108 43

04251 49018 15166 21544 77059 24955 01861 27861 61831 59554  
52701 91886 34087 96619 92632 43004 39066 28915 93373 54237  
89028 28466 43627 87042 55977 53892 04540 62372 95722 14495  
48862 50194 64234 95760 07224 94657 12214 75981 69991 17901  
68832 88677 18112  
108 43 00000

## S11a

### 11493 kHz, 01-04/04-04, 1015 UTC

477/40 Vnimanaye

93929 47469 95946 17625 40641 05790 57583 86025 29232 69423  
35961 28277 82578 35998 58040 67892 53493 37308 87728 09161  
26028 90766 84421 24667 72833 05310 38429 17703 39572 29834  
40264 06036 97946 91099 67893 72224 67363 40227 63913 87635  
Vnimanaye (message repeated) Konets

### 7469 kHz, 02-04/05-04, 1020 UTC

424/37 Vnimanaye

67570 53267 09368 47977 02246 50107 08358 84485 26013 81730  
02086 05091 07636 49276 81612 60627 63432 60474 45843 66243  
96176 17555 01820 59528 70164 17493 90114 69041 78586 33388  
88108 71850 18792 98749 04480 10394 67997  
Vnimanaye (message repeated) Out

### 6433 kHz, 03-04/05-04, 1100 UTC

378/34 Vnimanaye

89727 82854 66699 74024 24178 49451 88967 38004 06082 15284  
71792 17891 22677 86029 34094 70094 97747 53579 08988 20643  
43951 25817 08343 59771 88388 87994 62382 67373 56560 12214  
74270 68646 39562 35869  
Vnimanaye (message repeated) Konets

### 10800 kHz, 10-04/13-04, 1540 UTC

565/38 Vnimanaye

71902 51954 57081 93526 87330 11365 52935 15629 30569 72722  
69886 08417 44444 68634 96043 92144 15596 39700 60178 82393  
85529 76928 54561 11993 87299 72428 56405 85351 61785 14234  
50949 90905 96508 90002 84451 23189 68040 78242  
Vnimanaye (message repeated) Konets

### 5371 kHz, 16-04/19-04, 0455 UTC

320/33 Vnimanaye

02071 93187 57653 27783 80288 57788 98539 19266 46616 03341  
63272 83280 88367 48431 23740 33467 62899 05063 56788 11842  
59403 99489 27002 39093 17976 00214 50698 38057 39248 57791  
62581 06236 11346  
Vnimanaye (message repeated) Konets

**10213 kHz, 17-04/21-04, 1850 UTC**

281/39 Vnimaliye

09107 94890 51526 75499 90933 01270 03712 87149 08657 48144

64256 44792 43197 66295 23119 05832 35257 28646 11110 63961

53986 03420 08093 33580 19157 21618 40292 89161 83758 67073

41407 49113 49775 26134 30221 68067 82398 67749 43152

Vnimaliye (message repeated) Konets

**4505 kHz, 22-04/26-04, 0915 UTC**

486/35 Vnimaliye

83963 07841 09614 54751 64038 40429 80204 47208 78153 74251

35841 87195 63618 49514 07568 63996 70268 30493 22277 80346

12179 86596 92132 44934 28208 00480 86657 95571 28974 35673

63039 05164 32321 82152 27828

Vnimaliye (message repeated) Konets

**V07****12218/11518/10418 kHz, 28-04, 0300/0320/0340 UTC**

254 254 254 1 269 88 269 88

39582 78846 09809 80127 18701 73974 10950 59233 55061 56115

43489 93788 57319 86889 44286 54656 42197 15916 63976 35503

18466 05467 31131 34041 80344 26475 20114 30920 26204 53120

35818 32101 82552 81762 80486 24365 40827 86482 63131 37010

21737 98220 02118 99736 00119 82502 66834 01697 88011 29657

14372 44005 34456 32360 44958 77342 28779 46601 11084 34557

42092 26573 89520 60823 00569 27437 16676 28781 34309 97363

40330 97625 64212 74667 61117 74792 50897 29905 09103 63020

14078 72553 27706 34512 15309

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

Still irregular transmissions. No fixed schedule.

**V15 via PBS Pyongyang Pansong**

North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean

3320 kHz, 06-04, 1445 UTC, AM

6400 kHz, 11-04, 1545 UTC, AM

6400 kHz, 20-04, 1443 UTC, AM

6400 kHz, 25-04, 1543 UTC, AM

**MORSE STATIONS****MX - Russian Military beacons**

Reported beacons in April:

A 4558.1 5154.1 7509.1 8495.1 10872.1 13528.1 16332.1

C 10872 13528

D 4557.7 5153.7 7508.7 10871.7 13527.7 16331.7

F 7039.2 10872.2 16332.2

L 3168.5 5156.8

M 10872.4 13528.4

S 10871.9 13527.9 16331.9

V 4031 5466

## M01

### 5020 kHz, 02-04, 2000 UTC

463 597 597 30 30 = = = =  
19574 72127 51921 74999 60318 19074 25032 84695 12668 70191  
56540 08683 54786 01374 45836 87074 00205 94430 43268 78548  
12648 10101 41286 25433 93723 25990 51977 06545 51063 66579  
= = = =  
597 597 30 30 000

### 5475 kHz, 04-04, 1800 UTC

463 121 121 = 30 30 = =  
03570 75891 59023 87736 80847 47845 90895 63951 77050 70156  
44051 95166 89649 71493 72191 09704 32423 04282 35548 41530  
24138 02462 48600 34597 24225 17141 27823 49790 50924 34125  
= = 121 121 = 30 30 000

### 5020 kHz, 04-04, 2000 UTC. Sent only 29 groups

463 117 117 = 30 30 = =  
54251 31001 28262 11395 25855 30931 57042 49469 61258 71805  
42031 59313 66433 23490 65225 79434 63676 45216 67718 12356  
18457 74829 65476 24091 59895 09080 46175 12990 65711  
= = 117 117 = 30 30 000

### 6510 kHz, 07-04, 0700 UTC

463 717 717 30 30 = =  
09454 49245 82126 32401 27541 72064 72733 11838 70261 39684  
47437 83481 22959 97482 54770 39301 69443 87742 16779 61608  
77872 59991 56380 78172 08298 344487 (34487) 091226 55525  
85754 69562  
= = 717 717 30 30 000

Errors like 6FGs, different repeat between brackets

### 5475 kHz, 09-04, 1800 UTC

463 509 509 30 30 = =  
65152 88347 88641 70622 17255 78937 69003 38443 34179 76450  
03063 17368 78592 86731 82825 11673 69508 64120 50382 36224  
86310 52321 76305 07526 71179 58947 85250 60665 56054 92573  
= = 509 509 30 30 000

### 5020 kHz, 09-04, 2000 UTC

463 603 603 30 30 = =  
61709 86177 66890 44481 20269 56572 27205 40333 82074 62756  
13916 36348 95328 54853 21245 76535 64547 12022 28195 37523  
79593 94688 53544 96308 01296 82497 05115 41515 43506 40321  
= = 603 603 30 30 000

### 5475 kHz, 11-04, 1800 UTC

463 521 521 30 30 = =  
26234 01039 11899 06401 92777 46018 04861 69298 20864 38736  
69781 44691 77953 64336 44556 51338 39458 11447 72936 40714  
10346 98553 78702 70099 15273 92899 72841 54403 77622 57183  
= = 521 521 30 30 000

**5475 kHz, 16-04, 1800 UTC**

463 127 127 = 30 30 = =  
 54276 48445 21305 36078 26152 95238 20109 73460 76609 89989  
 43752 17601 25343 85054 39174 64509 21908 -64509 21908- 52819  
 90103 65602 68219 52740 23660 59481 63573 17675 56368 99339  
 47276 00553  
 = = 127 127 = 30 30 000  
 groups 16 and 17 were sent twice

**5020 kHz, 16-04, 2000 UTC. Contains errors**

463 119 119 30 30  
 87540 48333 29634 26301 30555 79016 42719 43036 75021 91613  
 38014 82795 20406 89320 22994 43764 07506 27673 47476 84968  
 38736 00756 35044 28673 46630 05698 14105 29303 72158 89428 1  
 = = 119 119 = 30 30 000

**5475 kHz, 18-04, 1800 UTC**

463 328 328 30 30 = =  
 09818 23301 37195 18392 18727 54017 44012 39720 71020 80855  
 86934 69935 80693 89540 22945 74367 60819 22740 37353 01292  
 88891 25937 64796 50725 65961 98336 72041 94484 80207 39290  
 = = = 328 328 30 30 000

**5020 kHz, 11-04, 2000 UTC. Errors**

463 311 311 30 30  
 13624 74501 34418 21836 96097 71426 72446 81720 83570 14393  
 65648 91144 18354134 62510 620 40628 46172 34397 25286 08735  
 96507 93179 01449 83985 50803 83380 85097 74993 67613 55683  
 41908  
 = = = 311 311 30 30 000

**5475 kHz, 23-04, 1800 UTC. Many errors.**

463 771 771 30 30 = =  
 11344 78734 90814 13418 12461 pause 000 pause 13418 12461  
 73465 31584 57234 70849 49477 22100 02537 02377 06681 73660  
 77027 01072 67829 63688 77385 43214 74517 24365 03272 41230  
 26581 64020 06921 93249 36526 =  
 771 771 30 30 000

**5020 kHz, 23-04, 2000 UTC. Errors**

463 721 721 30 30 = =  
 30321 59384 58002 90143 40178 76038 47448 75708 60964 95959  
 06756 70815 02290 33139 07700 43363 81151 83837 90145 69613  
 89276 83955 57093 27800 60910 57469 09625 36370 57621 94301  
 = = 721 721 30 30 000

**5475 kHz, 30-04, 1750 UTC VVV VVV****5475 kHz, 30-04, 1800 UTC**

463 301 301 30 30 = = = =  
 48440 61983 07760 18028 55830 71334 32653 05240 02732 43905  
 06789 11939 87335 28825 37811 05277 89106 96069 45570 53269  
 64726 41238 16064 76630 11447 90286 35392 36751 00887 60798  
 = = = 301 301 30 30 000

**5020 kHz, 30-04, 2000 UTC**

463 311 311 30 30  
 44192 02800 19070 65606 72346 85629 03468 83546 49547 73516  
 61987 49419 52475 52405 15907 09609 75219 31446 65667 51026  
 21158 77317 15812 84927 28404 04337 54693 66703 11547 21543  
 = = = 311 311 30 30 000



## **M01b**

### **3510//4605 kHz, 11-04/18-04, 1832 UTC**

201 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

### **3625//4940 kHz, 01-04/05-04/12-04/19-04, 1902 UTC**

153 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

### **3520//4585 kHz, 05-04/12-04/19-04/26-04, 2010 UTC**

582 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

### **3535//4590 kHz, 01-04/08-04/22-04/29-04, 1810 UTC**

420 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

### **3645//4455 kHz, 08-04/22-04/29-04, 1915 UTC**

#### **3645//4455 kHz, 15-04, 1919 UTC. Late start**

771 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

### **4570 kHz, 11-04/18-04, 1942 UTC**

477 987 987 31 31 = =

21545 52619 15193 78619 77686 99356 09715 47136 19314 89752  
89314 60387 98101 80268 86800 80763 85085 84134 82180 14700  
01380 27323 40592 53498 54572 26882 67743 42232 75109 46364  
03809

= = 987 987 31 31 000

**8047/6802/5788 kHz, 01-04, 1800/1820/1840 UTC**

463 463 463 1 6036 98 6036 98  
17636 00899 70144 82835 51217 83742 93458 18808 62264 72632  
11346 82582 70000 91404 78451 92485 38683 01053 60640 97561  
28219 97801 96849 31451 17459 07409 48618 30185 52022 71433  
32626 24840 20192 52117 15408 87505 78395 34598 76506 65331  
25715 16841 77614 62189 39895 89410 91157 76872 78714 80474  
54943 06074 58116 02077 45091 07593 82175 33946 39301 58210  
97497 00894 48998 11409 27828 80321 04936 51423 77655 10114  
33380 88749 25757 32101 36142 45122 23771 44857 79551 75082  
23214 76137 25411 61428 40769 23810 88169 60924 35360 05497  
97087 79491 46440 44553 62555 20520 34591 31955 000 000

**10343/9264/8116 kHz, 01-04, 2000/2020/2040 UTC**

124 124 124 1 6232 106 6232 106  
32722 98232 58701 46059 45581 95909 29418 06010 07952 07865  
92890 06624 79311 37631 90278 47068 66563 32149 89205 19163  
33297 11481 85181 63951 60004 61818 71872 03821 23025 59226  
25439 26120 77753 38006 97321 42048 48257 49376 04865 48737  
91984 17684 01000 46857 27657 61824 95101 88107 15169 94583  
29241 56841 92149 26305 87325 71604 59660 49825 55113 70898  
02613 06511 85135 59878 02124 70788 09174 34713 54071 00982  
07898 25522 59181 10521 10227 74275 86323 71474 69734 31169  
23553 86015 86324 63375 87959 68028 18375 77278 24810 97712  
03481 47911 01554 14533 33178 54926 37383 59694 99096 76807  
97902 37534 55455 00679 50886 54747 000 000

**12174/11474/10974 kHz, 03-04/05-04, 1210/1230/1250 UTC**

149 149 149 1 244 200 244 200  
84863 56230 81577 53104 90327 94457 81391 21162 92447 03408  
05953 80018 66508 90611 04192 67176 30391 12457 60640 45194  
36385 24061 91368 80258 97944 37349 91862 05304 71901 21661  
39937 22458 31637 27862 49022 05755 56795 95420 76360 96036  
16481 59461 67933 53191 65325 09375 95778 68025 12367 17916  
47459 83160 68419 88982 72499 33769 01595 90121 60867 63299  
60089 45611 03006 02183 71016 44519 20639 28800 07266 34989  
88266 10843 23978 33579 59106 41302 89252 05563 55438 90898  
59933 18585 14670 41023 08700 81447 15075 16433 21915 56269  
45172 84534 42135 11948 83793 58309 62668 95127 79989 01885  
06714 30891 37472 17467 75824 40517 62802 16518 97171 35913  
13216 00820 79578 03226 93708 89307 52534 93165 85670 67867  
94037 69657 33973 08264 85549 49391 59697 63094 10484 04627  
01724 05749 62283 44304 42508 80420 34953 38242 30501 26631  
48385 54324 41230 63451 35424 60707 90188 66196 19588 46527  
33606 16614 97856 06349 20024 35837 96777 10222 63643 67736  
55979 76276 56792 90268 58668 92597 42990 60759 29960 26179  
26566 32911 13762 61750 16094 06490 54290 14692 40373 37466  
25331 67698 25280 85490 02673 12398 13385 39679 43082 87745  
41156 90532 40818 79010 85577 92735 64158 30449 20208 19267  
000 000

**7575 kHz, 06-04, 2100 UTC**

511 511 511 1 8610 29 8610 29  
25725 59626 49569 73564 59036 15985 91557 27532 29320 68321  
74752 81291 03742 48932 88555 68156 40912 03916 83985 05434  
89929 39791 27476 84990 24195 67105 83892 63935 88588 000 000

**8047/6802/5788 kHz, 08-04, 1800/1820/1840 UTC**

463 463 463 1 1135 97 1135 97  
77123 09203 03596 28884 17619 04550 81762 63330 88606 02840  
20254 35176 99633 14113 22492 40369 12019 07381 91201 05658  
27751 14394 81326 95384 79750 66139 22685 46002 23885 63621  
29598 95767 96127 85478 98920 18977 42783 69119 50310 26024  
86512 47243 93296 95879 81871 89772 64920 31308 95213 09267  
58540 52938 78443 01458 71891 34049 02036 73697 73970 30053  
67710 19952 93491 87486 12975 12057 56744 26322 84541 34955  
26507 38373 53260 80310 03049 69345 24196 40432 10189 70553  
49031 62174 74700 52977 03378 97210 00400 09019 10322 82384  
12077 85700 46758 89487 05244 47541 88759 000 000

**10343/9264/8116 kHz, 08-04, 2000/2020/2040 UTC**

124 124 124 1 9459 106 9459 106  
53602 82317 45588 49508 07843 35804 95402 89502 23900 96408  
92194 37868 70440 95820 30900 32503 89191 32596 70604 85020  
25612 98495 00571 34298 89791 94127 66917 06452 21701 79451  
86382 05877 19753 69747 77120 92134 32784 25232 51044 88239  
57817 03117 47004 87930 76805 42791 74316 99076 22492 30580  
79262 97724 46083 36944 35192 10464 03169 77315 80742 37514  
36598 51502 46608 81670 43820 10735 51752 70187 22299 69277  
75404 07290 75456 29423 82076 96609 91807 00957 69217 33477  
79180 41235 00811 47914 33337 93994 91462 79829 76459 31033  
72050 19564 78315 97820 50588 91046 40739 39191 69949 61977  
08644 56147 39506 87787 79628 35799 000 000

**9317/10484/11552 kHz, 09-04, 0530/0550/0610 UTC**

135 135 135 1 1553 104 1553 104  
17275 65666 55652 88492 43940 21209 57757 50184 46021 84879  
68732 22048 07766 40384 16731 86402 38090 55740 13953 52444  
63409 55298 26446 64197 72750 73685 37462 38630 51028 38647  
20864 35437 15520 66482 68079 00252 26377 91547 56321 21202  
06810 33893 21224 75576 57941 51613 40354 14028 40829 81800  
37823 63358 21294 56871 31599 63066 44694 13944 16795 85355  
22566 54945 20929 05629 17010 80762 56496 59047 55760 99901  
54851 77395 54586 43109 34521 555x7 25261 06210 74479 43823  
18619 01070 10676 89828 74685 20177 49922 19194 74011 20457  
13575 05322 21282 79723 98360 68033 48481 82439 08147 24523  
15919 14230 98520 74099 000 000

**12162/11566/10711 kHz, 10-04, 1710/1730/1750 UTC**

546 546 546 1 2882 107 2882 107  
05781 67005 20197 63355 62719 72419 10242 96043 42100 90911  
51157 00246 78366 32760 05910 14544 77158 25652 83061 18008  
72738 74286 32057 68332 95232 88290 13186 71042 81654 54870  
64300 06647 41569 04090 09941 53400 21881 59343 80979 48530  
41729 28844 96268 72777 91749 55343 28838 70264 55624 83051  
30552 95935 01788 46401 54856 38297 61474 25862 01970 11115  
22320 95803 01938 20218 98549 60873 52210 72433 15020 59632  
48197 74565 28961 31543 21172 18736 30299 42853 68762 10423  
39837 07732 93462 23422 90585 93454 02267 92330 33123 04710  
84205 72252 45553 97802 65280 15668 91258 07439 98876 48050  
08434 30639 49369 52438 96536 45712 53934 000 000

**10904/10204/9304 kHz, 11-04, 0700/0720/0740 UTC**

923 923 923 1 352 28 352 28  
66976 37966 89621 29014 10827 16630 60843 91184 69003 11842  
43517 85259 28429 71052 39346 35324 94229 97490 22186 68993  
28361 91456 76825 25353 59844 13197 55646 69617 000 000

**12162/11566/10711 kHz, 11-04, 1710/1730/1750 UTC**

546 546 546 1 2016 105 2016 105  
08688 86652 37574 42520 51428 04898 46209 27305 16972 20268  
88493 91837 74707 07481 44042 00193 44350 50629 00600 67823  
81976 82680 08562 09280 62967 39854 33645 55075 89150 89291  
40757 20688 22002 39033 51718 63715 49444 57492 24364 30853  
36147 59219 34553 75316 77135 87034 46324 46136 49566 00356  
54857 61454 14708 80882 12471 95311 50379 57407 09072 17129  
13049 63220 90504 57155 62530 13764 07375 02073 75068 20091  
88299 16987 42042 30328 70768 56972 95002 23207 37461 33169  
20399 78122 18717 33269 91086 53915 26476 12953 45557 77993  
18190 69957 62510 69433 91889 62504 13811 47377 11620 60422  
02984 39708 90177 48680 13930 000 000

**8047/6802/5788 kHz, 13-04, 1800/1820/1840 UTC**

463 463 463 1 3809 95 3809 95  
71965 93812 38652 74867 15586 17406 59849 42523 72288 52104  
96331 88513 53563 77539 16961 43075 78806 80362 60857 91212  
96671 59189 25178 67042 03778 88623 07002 81115 78271 57296  
69883 00676 82315 13583 27173 13037 16986 61376 67598 61801  
18154 99690 17137 18712 72896 77021 73137 97105 30056 90746  
92556 07578 99393 95493 08052 46376 95695 96861 62849 04828  
07198 48747 31994 83703 12299 91613 20395 35821 37916 37691  
96322 46919 96768 49214 56481 45045 05284 74643 77891 96664  
54740 25381 54885 55526 14618 96328 98933 90663 16686 58967  
67934 95189 05353 40635 63031 000 000

**18524/17424/15824 kHz, 15-04/17-04, 1400/1420/1440 UTC**

548 548 548 1 413 40 413 40  
08480 96258 89299 64205 02826 51425 57669 41944 31978 35287  
30414 78904 72609 20974 57214 13311 20460 96237 57129 84987  
80651 23195 24751 49195 66706 35623 55601 54453 69907 77107  
17537 47206 87052 10690 96516 79041 66716 80284 35146 53219  
000 000

**11435/10598/9327 kHz, 15-04, 1710/1730/1750 UTC**

938 938 938 1 3232 106 3232 106  
47465 52971 80075 35639 93507 35385 27768 39835 25347 19115  
21582 95022 28912 93224 64474 19130 75209 18860 94613 53162  
81044 23474 29473 29083 15149 20153 69578 37275 77377 34154  
23827 42934 89766 43738 13672 67263 41932 94576 82251 75111  
25873 72113 25272 66537 79064 70252 36857 33692 47884 86218  
51394 90307 45547 09554 56893 92080 38271 92066 74132 60476  
21006 89453 95409 39957 67913 17513 77494 85665 89545 15430  
20049 67075 74186 56673 53502 84683 03849 66968 03444 15771  
20941 62892 28714 11681 73012 21816 96198 01131 49170 82642  
46172 42953 95745 12519 16781 31285 83251 49429 43903 39625  
37862 09057 31454 03703 73030 61736 000 000

**8047/6802/5788 kHz, 15-04, 1800/1820/1840 UTC**

463 463 463 1 1832 91 1832 91  
93816 76043 64670 50306 83775 96797 44408 59782 65796 80128  
40812 89578 89645 62779 79769 04638 14516 05841 29784 18549  
70409 28227 42473 23087 28377 56132 05680 57740 32526 37452  
49324 29687 29530 54627 92024 01669 70954 50154 52104 43274  
03709 19325 36864 01333 38742 39216 35217 39920 87587 30858  
11354 68903 40774 96371 58540 68833 20971 30381 33312 63747  
61067 67265 98030 99320 73456 28157 79913 21378 73608 76214  
87802 37671 20974 87710 14344 75630 74504 19027 32030 05377  
22186 37447 21333 76696 99811 42071 82442 34593 48628 37840  
3819 000 000

**10343/9264/8116 kHz, 15-04, 2000/2020/2040 UTC**

124 124 124 1 1115 107 1115 107  
93970 02953 83489 24439 50495 78434 63654 69310 40886 58086  
69363 87148 89972 08878 62932 14143 51313 16135 54305 38155  
82034 08201 82130 40469 73434 32301 77745 68441 75947 58167  
98987 78009 55851 49298 05542 65844 81015 34467 74227 46249  
88114 89010 60237 40852 72036 97915 33660 22904 60985 93593  
91252 72292 08764 43712 47419 64862 90282 37522 08254 43869  
52277 23188 93853 98826 99664 21512 74194 81574 58028 48816  
35080 48681 84613 00879 05352 98516 69733 99476 06399 85652  
43674 20279 94323 77969 10448 25443 59344 93531 28392 26735  
09500 36577 65678 42907 90001 00177 41829 75741 29011 84861  
74076 94877 50495 12725 56461 70886 89106 000 000

**9317/10484/11552 kHz, 16-04, 0530/0550/0610 UTC**

135 135 135 1 7713 107 7713 107  
03809 59695 22676 93090 53548 47227 61258 33340 94190 18380  
41463 59252 98095 27541 31899 48204 34417 69723 03824 22876  
46525 21206 17699 57693 14669 61036 25215 27029 87477 74248  
68833 12757 48998 93445 90321 31562 31210 63087 71336 89856  
33382 32557 02164 74493 13321 78920 62003 56718 62029 41854  
69970 79508 05273 55576 32732 14075 52208 25503 12731 30520  
66358 94397 30969 46130 24633 88075 79191 00448 95939 70582  
93037 32759 41873 47808 80895 06115 35566 27631 43012 64832  
68665 87912 58583 50018 35872 86067 12444 66840 25051 72623  
85306 75691 41500 56153 11866 13916 73437 97879 71156 04271  
16102 42324 82741 30422 88061 25029 81662 000 000

**10904/10204/9304 kHz, 16-04/18-04, 0700/0720/0740 UTC**

923 923 923 1 145 88 145 88  
27085 86895 97349 79968 67772 14524 46138 25394 27714 63020  
13964 33439 02047 06727 15680 20384 20420 59995 10348 79729  
22785 21739 29452 98883 30687 42097 77456 48896 93328 73442  
96629 85290 92886 50226 13744 60524 56102 54028 02038 63775  
96702 91506 98963 18182 15015 04011 58687 22722 56078 43408  
35791 54936 17103 86497 96747 37430 78049 57976 26362 38954  
63190 87427 71888 02561 33409 21217 72236 83744 33833 88193  
08333 95134 52556 47976 91038 34225 17133 11294 17866 87105  
97795 14209 67932 76938 92731 65868 38598 35669 000 000

**12162/11566/10711 kHz, 17-04, 1710/1730/1750 UTC**

546 546 546 1 5213 108 5213 108  
87742 20895 32255 29195 29933 88014 60261 31478 97261 72120  
38333 70264 09397 20212 65544 17394 45459 40260 24734 68368  
15891 72317 20370 85208 40026 17810 43312 60654 32240 87777  
57715 49491 71590 46692 88938 69422 22509 71100 11526 89922  
97367 71677 80499 39816 45347 74220 23106 09190 72762 48877  
92839 72051 47189 17336 90712 35369 32779 86298 88670 16786  
30212 08609 82165 54951 16672 31408 99902 34448 59388 76446  
81437 26491 28706 03612 73339 11457 79377 79190 87016 29732  
27961 92863 96625 33768 24815 87862 58111 84407 91694 97104  
28807 58349 85378 24302 31829 25303 70445 55416 35947 69973  
06218 46202 35467 66375 10864 21784 00644 57433 000 000

**12162/11566/10711 kHz, 18-04, 1710/1730/1750 UTC**

546 546 546 1 4168 107 4168 107  
93017 61193 57235 40596 11605 84335 86797 19746 29760 31166  
93257 30127 81610 11321 13115 91546 16628 35204 44346 90685  
46936 09922 98454 12619 54348 56636 81307 83430 50844 97667  
33603 13628 70864 89328 18598 12922 31661 99350 56716 65480  
31283 52731 83185 73336 95583 41645 46063 21254 72847 38034  
25475 19650 13317 91661 07697 99953 94517 43990 77857 94922  
78562 08930 96882 72313 90273 03371 83081 80740 33631 78517  
96003 14220 75178 48575 23857 86354 15550 77621 66607 90336  
02911 43143 07451 52687 10175 79164 75660 63652 62134 72683  
29538 17550 84620 45398 46054 39381 36978 14395 03371 84542  
07813 21081 82112 44986 84503 85760 88867 000 000

**8047/6802/5788 kHz, 20-04, 1800/1820/1840 UTC**

463 463 463 1 4337 91 4337 91  
53978 55803 89748 47926 63187 69920 33610 00041 58672 94856  
16965 17091 91673 49963 69019 13582 38145 99420 84437 07910  
48943 12934 13044 30591 28198 89443 76472 34010 29586 37719  
78348 06723 95476 91331 78503 47841 22973 13238 72531 32916  
04788 86422 60450 63534 96536 00532 59007 16482 19363 77604  
87797 65406 93004 11891 17369 24791 92231 85507 58518 75098  
85277 31930 72967 15610 59458 06990 58398 09617 58892 08699  
69687 69480 99062 22131 35047 25471 31526 03569 17438 62818  
83844 92641 57796 87186 40270 12921 88670 71266 36144 95430  
66891 000 000

**11435/10598/9327 kHz, 22-04, 1710/1730/1750 UTC**

938 938 938 1 8869 110 8869 110  
87944 12823 99045 96492 51593 94431 44876 99276 85813 68881  
86872 80101 61128 56325 59304 87539 36421 06069 75700 29229  
02062 87032 02327 71546 54812 95256 02638 59648 96700 32090  
73521 50518 31541 64606 06437 74323 82388 75023 31192 91355  
43122 23154 82651 51760 65445 93250 48897 05030 54819 66619  
43074 34671 73982 05219 71260 30613 53133 23172 98446 30682  
50851 48879 12745 12495 78824 18035 46435 75894 83860 57631  
14630 89711 78384 90571 17011 35197 62291 69645 46792 68492  
80007 11681 89137 41349 09197 81686 67364 49256 37807 04781  
99927 27034 12165 07446 20203 46853 49361 92047 53727 24186  
85359 78907 95434 52025 59441 39506 37071 10236 68741 87921  
000 000

**8047/6802/5788 kHz, 22-04, 1800/1820/1840 UTC**

463 463 463 1 5160 97 5160 97  
99881 20854 64029 58778 79881 04640 08357 53070 99830 42571  
45873 55086 67145 99509 96433 99762 79031 63398 08862 63932  
13526 51139 58837 95083 24760 51629 92315 06770 78695 22673  
47979 47551 21049 48261 85522 13548 86907 21780 11516 94874  
28767 49852 34154 63974 02141 80803 41502 02707 86979 27106  
44500 69118 45335 80642 44964 09533 95310 85010 98624 98194  
58432 04106 05934 55306 60983 64594 68260 76037 80790 20983  
46059 04270 55942 52412 12987 56451 00255 22929 55871 83290  
62664 38816 80041 34060 66328 41189 60053 81914 13247 62616  
29156 69977 04677 18955 87089 71669 99814 000 000

**10343/9264/8116 kHz, 22-04, 2000/2020/2040 UTC**

124 124 124 1 6625 104 6625 104  
64836 12238 34307 73241 08036 15284 58998 69673 62783 41667  
98925 83587 87876 08861 75664 39727 82557 91102 26289 73122  
24915 62040 92659 31957 42280 48950 48576 13396 67080 11909  
18902 25233 63553 86175 97639 13520 99200 28637 98704 61451  
03026 76970 50453 21052 41124 22119 87808 60159 08922 60544  
48265 46970 57110 85996 68214 20331 88408 80356 11341 86812  
62885 99050 31066 82239 19583 66191 33692 87601 76904 95279  
55724 33360 96101 50538 02379 00544 90795 73550 89201 17206  
28954 06757 02124 78786 91082 41899 07616 73079 52735 31964  
81010 42829 20801 98456 52747 41990 04645 74068 63127 30317  
65300 12802 89911 08012 000 000

**10904/10204/9304 kHz, 23-04/25-04, 0700/0720/0740 UTC**

923 923 923 1 185 24 185 24  
90534 96697 64473 52952 35057 81925 53525 81229 67369 00253  
86114 44815 31908 93166 75544 67525 16810 98213 16174 51459  
30517 42783 76912 43596 000 000

**11435/10598/9327 kHz, 23-04, 1800/1820/1840 UTC**

938 938 938 1 1385 110 1385 110  
49930 42800 83411 32156 24617 94085 88945 64922 83928 55771  
88882 03561 24301 33412 98907 08394 35977 84870 94271 67507  
40083 42812 58558 64032 44984 90262 71913 12014 61788 49349  
18421 29756 25361 93455 88669 52741 48543 35169 65331 73765  
13347 47619 38136 80529 45206 08839 63639 30014 90852 35058  
02772 49328 29739 85054 82518 74132 87100 94747 04075 66921  
08066 18320 00783 77029 14570 95998 82050 75316 70479 12002  
15975 25786 54297 70195 05691 36862 61018 62192 15351 92090  
06763 69960 89092 61073 59703 18651 17634 54745 59313 x8777  
43134 26596 36573 61387 48469 87419 11295 78663 44825 43881  
16538 74880 06366 02983 80957 49445 11700 44634 90747 23106  
000 000

**12162/11566/10711 kHz, 24-04, 1710/1730/1750 UTC**

546 546 546 1 2970 106 2970 106  
11179 11540 04281 33047 07753 52449 93179 48581 86629 87752  
74921 18077 69604 00802 25739 65049 14803 89696 29853 30214  
70564 82498 25489 29134 95263 73437 43010 69130 49651 04614  
66373 42864 80693 98411 33743 68106 69476 20908 62535 76362  
97590 27346 42842 44371 05411 57493 95215 65182 62097 09614  
20379 90983 24935 55803 72810 03125 15716 52729 17380 06069  
61809 04587 54370 52005 67130 53744 18851 44183 06564 72881  
05019 45597 72177 31894 50034 01061 86226 12859 35427 86543  
33396 29700 92447 58122 81956 91592 84293 55178 21204 79135  
88513 43587 29205 73834 85049 16229 30191 34050 47379 20484  
25685 88707 95111 28926 02920 32107 000 000

**7575 kHz, 26-04/27-04, 2100 UTC**

511 511 511 1 145 20 145 20

43424 49933 81802 68787 75451 77139 96835 26723 50969 03468

52778 97875 76531 94208 71207 82246 39840 73620 27850 54030

000 000

**8047/6802/5788 kHz, 27-04, 1800/1820/1840 UTC**

463 463 463 1 4179 100 4179 100

??633 68827 49339 35034 81255 28005 86001 22384 74915 81487

60226 01364 57116 71306 96987 10604 33678 74691 00060 90262

34967 94524 46442 91721 73069 56462 46406 40656 36265 59282

09638 95810 55781 94928 19361 35907 00308 42166 99718 51330

46148 99994 52011 90671 49139 51542 52324 74375 84466 15516

21706 79359 95155 03288 86693 66028 85664 01566 36313 93137

12854 53683 73506 46706 42627 88671 68552 79187 71731 06029

77694 92579 42073 95504 07255 13933 92644 48874 56292 92109

77359 70099 62347 35401 79220 18648 42276 76596 18845 81293

37723 06599 53576 34113 50329 79510 52687 65708 27060 69455

000 000

**18524/17424/15824 kHz, 29-04, 1400/1420/1440 UTC**

548 548 548 1 223 266 223 266

85380 21718 15513 92376 47811 97551 65532 52971 94356 77257

60499 00830 82948 26461 04942 07295 45920 62602 68918 46737

92129 25503 01865 84941 88871 13024 20490 80830 92021 34869

62744 76471 00787 67059 46961 94531 58887 61053 06608 05840

29335 13347 18797 43660 08594 06292 07752 87462 14996 48075

02756 34385 54807 87584 90374 30089 83895 47653 73756 26652

25975 30498 73484 01174 57663 12800 49096 15605 25825 83954

57020 61643 65951 11409 01273 49276 91520 68117 41073 16945

98494 17695 63837 49894 98916 82746 09593 46588 22160 28254

01300 36806 93775 34786 64535 16770 14415 98238 89085 58252

30205 31739 48580 81509 64806 39996 68584 80373 40673 71894

29780 27933 79246 92786 80250 95884 05073 40076 98756 83491

62385 73942 89878 44283 12817 78960 98553 30217 09086 20605

22541 38694 88869 55769 11585 19165 75782 74725 45975 85127

38882 90499 40574 69804 13413 24696 99334 81067 88307 56012

81541 49362 92507 10912 54181 57409 41523 79871 06485 85341

32662 55242 05202 71550 39923 26062 28773 82314 06190 97332

04636 42331 24247 01854 44877 14762 90766 16476 25838 91328

87661 97061 42022 64376 63151 39289 62940 73309 42935 29767

44166 23270 93327 71950 23681 48297 63102 44893 73238 44110

09848 89466 43424 88763 25424 41294 76445 89410 49367 26350

90185 42834 51056 81473 84942 11996 22542 63718 62087 37484

89967 59304 51680 26791 49958 71373 87915 42778 98544 98485

07427 91026 86973 97565 35676 41844 29595 23581 09661 70060

21272 56226 99995 99538 66029 75742 36066 28478 67349 77094

74052 84803 55608 62474 73012 75586 56253 90079 35185 25301

15522 74306 70714 81934 54153 55267 000 000



**11435/10598/9327 kHz, 29-04, 1710/1730/1750 UTC**

938 938 938 1 3841 108 3841 108  
18395 74986 02465 65250 99684 73530 67192 16700 03394 22327  
65293 75270 78905 81542 62597 77452 47883 67842 18910 31474  
23744 07225 73983 61832 35759 52921 05317 16761 26740 24494  
59264 44929 14518 44077 02219 19143 89199 45004 28887 20943  
15448 78452 26780 35084 86290 48688 17558 93299 34849 94676  
49304 42419 01163 02554 83733 55571 34755 61246 02428 27580  
42936 04915 45380 04183 72450 57452 85827 99319 29656 29239  
85251 02004 32178 93666 21007 34450 12819 58542 94573 49188  
94070 05018 28637 23743 35357 17595 32621 51567 44763 55913  
48876 07410 46130 72231 44277 07483 98314 14016 80993 13028  
37041 82218 68620 90493 47209 81747 35642 79006 000 000

**8047/6802/5788 kHz, 29-04, 1800/1820/1840 UTC**

463 463 463 1 7350 94 7350 94  
95409 88239 84978 05419 16496 19466 37371 51811 81340 27428  
79400 09662 06619 69121 86911 88881 80093 49723 97458 07681  
46305 73752 72391 60899 81982 55137 29520 59785 56837 59841  
18074 40059 70202 52136 77215 59883 55598 74896 22086 76726  
49293 67605 37868 53066 38727 44367 59019 25097 75308 33874  
21050 07706 39711 07126 02041 62401 05176 90437 80129 62686  
71161 38576 50032 83236 04603 23122 48279 95357 71480 05220  
32961 74944 41522 00382 01958 11110 98987 17716 56071 84671  
27176 44556 67531 26676 19928 20930 50973 63694 24157 47529  
78076 60630 61002 70716 000 000

**10343/9264/8116 kHz, 29-04, 2000/2020/2040 UTC**

124 124 124 1 9639 107 9639 107  
54592 33358 73252 68196 73142 12651 42404 22892 83700 64461  
21897 12693 87077 95055 47453 70787 06584 70443 92184 28308  
95818 93075 90337 22116 95426 76592 22215 40909 88627 06495  
71126 08735 02944 86270 27201 91897 81930 36558 98443 72125  
64553 33476 45174 05810 28211 05914 72992 10565 76073 85636  
75100 31206 31354 96823 64108 62609 83598 32289 38595 54604  
22830 72391 88131 05517 30922 18734 14336 96460 08273 88548  
70120 72070 82768 88029 68556 49121 05546 42542 47323 65902  
18926 76756 11385 47831 69286 33153 38117 40498 85857 39868  
41260 47684 94878 67893 86213 87379 04457 93416 08239 51331  
50438 38958 73745 27377 44398 53646 97997 000 000

**9317/10484/11552 kHz, 30-04, 0530/0550/0610 UTC**

135 135 135 1 1402 10 1402 110  
89051 19353 91283 51767 63594 21392 11959 18790 36887 12637  
07006 62722 15617 55781 48179 15618 92883 37337 53049 26934  
98307 22536 93821 56092 23615 53000 37379 30550 82618 96559  
73549 65256 52834 02952 83022 11706 19515 26276 33170 54747  
17378 74561 02827 96518 25792 91973 93801 53355 77874 55932  
37071 41771 34611 35965 59503 73502 19442 46140 25804 85194  
77541 16898 25912 46753 58377 95649 76273 10666 22405 94826  
16394 45816 98275 86579 83678 75886 76715 99681 00115 34733  
61698 91661 79924 19215 50995 05969 71481 90076 84163 23520  
83009 98441 35802 05180 53513 61169 69188 47151 79203 19876  
29478 61738 48925 45161 13489 49692 66628 10196 38720 43915  
000 000

**11435/10598/9327 kHz, 30-04, 1800/1820/1840 UTC**

938 938 938 1 4853 108 4853 108  
19227 47100 65118 93187 17782 92022 31086 73102 92228 00939  
67296 68846 43258 98024 82487 99054 58x23 56653 63797 50302  
17451 00410 53348 36682 81025 72878 55162 47946 99192 04185  
31131 35474 09715 10675 22382 45631 62067 57302 55679 51852  
78285 85309 41493 88788 26788 43771 52592 25125 78457 47262  
08689 76278 30891 07469 71576 40812 80270 45540 43500 54059  
19505 32102 32556 32180 34728 77822 58721 91629 03141 94620  
71879 81995 43210 29248 08924 45692 32407 31187 03038 73126  
80700 45777 11471 45679 32409 77402 32118 32144 86130 46636  
38893 68364 08343 53131 91001 40133 74747 26627 97921 97710  
25576 13668 93590 00264 74075 67656 34395 65063 000 000

**M14****4730/4560 kHz, 06-04, 0800/0900 UTC**

523 130 130 45 45 = =  
34567 27654 19034 67894 90120 56230 43560 12765 90344 16754  
98456 20345 60876 13456 81256 45789 12474 90356 67230 91678  
43892 57145 96234 10567 82389 56438 80156 47823 95351 30457  
60789 40267 76892 40409 57623 20349 73890 12676 84658 39812  
63092 32461 39657 40934 48713  
= = 130 130 45 45 00000

**5938 kHz, 09-04, 1820 UTC**

346 673 673 42 42 = =  
90635 25146 78456 08726 14267 84561 32542 67231 46231 24741  
83416 90563 23167 74261 89461 67231 35279 90532 36714 54801  
42671 89518 36109 47210 90563 63289 70461 27362 86378 51280  
90463 21452 64720 85713 80451 67341 25389 80562 67341 22567  
78231 45279  
= = 673 673 42 42 00000

**5463 kHz, 10-04, 1920 UTC**

537 673 673 42 42 = =  
90635 25146 78456 08726 14267 84561 32542 67231 46231 24741  
83416 90563 23167 74261 89461 67231 35279 90532 36714 54801  
42671 89518 36109 47210 90563 63289 70461 27362 86378 51280  
90463 21452 64720 85713 80451 67341 25389 80562 67341 22567  
78231 45279  
= = 673 673 42 42 00000

**4730/4560 kHz, 13-04, 0800/0900 UTC**

523 32 352 36 36 = =  
35189 46276 90623 90372 22471 87153 41274 68351 99725 74285  
36289 84261 74290 14274 50631 57190 73185 90361 26439 78361  
64587 31462 90571 73281 09578 13527 78421 11439 82174 43612  
32907 67213 89142 56219 90451 64321  
= = 352 352 36 36 00000

**4730/4560 kHz, 20-04/27-04, 0800/0900 UTC**

523 676 676 41 41 = =  
25189 90461 16327 53180 63289 90164 36186 42751 33185 80541  
27153 88267 43190 90671 28431 74381 53290 84616 27453 47190  
73290 48210 37275 19562 30451 63274 48527 60531 85364 68318  
73517 57326 25389 60472 80572 56217 68231 90527 46286 33189  
56213  
= = 676 676 41 41 00000

**5945 kHz, 23-04, 1820 UTC**

946 673 673 42 42 = =

90635 25146 78456 08726 14267 84561 32542 67231 46231 24741

83416 90563 23167 74261 89461 67231 35279 90532 36714 54801

42671 89261 36109 47210 90563 63289 70461 27362 86378 51280

90463 21452 64720 85713 80451 67341 25389 80562 67341 22567

78231 45279

= = 673 673 42 42 00000

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

4416 kHz, 16-04, 1318 UTC =991618??0????? =991619??0????? =991620??0?????

8529 kHz, 21-04, 1123 UTC =991423??8????? =991424??8????? =991425??8?????

8081 kHz, 22-04, 0607 UTC 960 9835 and 590 65179170 350. 960 983585907. 960 98355818960 98355 60 9

6922 kHz, 22-04, 0656 UTC =1310 650 1010415 =1310 650 1312356 =1310 650 1312258 =1310 650 1312101  
=2310 650 1970233**M51b****6825 kHz, 23-04, 1248 UTC, i.p.**

GKDHY XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC

FVCHD FKSLR WCXVFNFLA PHFCT WVXHZ QJHAU 67354 BXHDY WBXHZ

GFCUJ SHRTF CJGUH 1096IA GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL

PMDHV BXGRT DFXCS JNCGV YHXJZ JWKAO KLVUY HNCRD XVCHZ YHWJZ

PLGCV TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL

VH DUJ VCXGR YHSPA ELDDU LWJDY GHFUC VXYRT DGSZH LKFHT KHDYT

XVDJK MVNDJ KAOI DJSOW JFEIS LPOID NCZMA XZAIU DWEAS XMCNS

92514 GATSW./.=, AQPDL CXMZK DIWFI XZNDH WIUYF VBFNS DIUWI

LODWI 25983 HDWYU ./,SA' HUH WUSHAJU BVBXM KSSUW AQLKD XNCGD

WZAKS JVMBN 62843 BDHWU ./, SK BCSGA XZAND BCYUW KULEO TJFNC

IQIWU CNMXX KXJCV 32691 HDJSO ./, SK DCGFJ SXCDA CBSHW

MCNVU LSOWU CNSXB MCDJE FKEIW 39648 HCSIO ./, BXSJA ZMXNC

VYBDH SKDJW /'?' JCSIW 20178 MVKOL SUWDF XZIAS BCNSU NCJSK

AQISJ NCDHW KZQHG 02301 BXAUD ./,+/ ZAMCK DSIJC BCCNS ZXIQE

IHGKF BCFGH LMGKT QAAED ASZXW VBRYT MBKTJ PLROI QESWF 58903

VCDSH ? SK ./, G W TBNGJ FGDHQ ZXASQ KBFHR RTYEU CXZVB MNFHG

32568 BXAHW ./, SK ' LKJGE ORUTI QEWRS BCVDS MKHJU ZSAWQ CVEYR

POIUY 25801 VXSJA ./, QWAES NCBFG PEYRH BDFSG ADSFW MBNGH

LKBXC RYFHB 65489 BSHLK '?, DKRIT VBFGR XCZDW LKUER QWAEW

CVDFE MVNGJ RUDHE 65987 NWPOE ./,/? FBEEB XCDFE SHDJE KEJRY

CBDNM DDNAJ LKEID XVDWF 20367 SJWYE 'SK,. JHGJL CWPDK MDNRB

QWADS XJSEI LFNVE ALQPX LPOSN 45280 KDSUE .SK'?. LGTOR VDTEU

QRSGW ZSLCX MDEYR VLRFI QUDGJ MCRJD 21036 BZAWU ./,?'SK PDLEO

ADQRW FJFKR CBDBD VLTPO SHSHX BCEYS AWLDO etc. etc etc.

**M89 - Chinese military****7433 kHz, 08-04, 0657 UTC, i.p.**

SN7C

FFF NR 1002/REEEE

NR 1002/EX 0903 =

MCX6/FLO5 AR

NU1002/EX 0903MCX6/FLO5 AR

NU 1002/EX 0903 =

MCXB/FLOH AR

NR 1002GEX T903 =

MCX6/FLO5 AR QSY 06 QSY 06 VVV

**8066 kHz, 08-04, 0657 UTC, i.p.**

7336 AR K  
03P 01W GA =  
TI EEEEE = 37UN 4354 N44U NNN3 TTAU 4ATA NNUT 3U45 T5NA TAN3 TA36 AR K  
R RPT 01W =  
37UN = 37UN AR K  
R SK

**4412 kHz, 09-04, 1111 UTC**

C2D AR  
FF NR 0641/EX 1910 =  
A1B/C2D AR  
F NR 0641/EX 1910 =  
A1B/C2D AR K K  
R OK U GA K  
R QSL 1915 QSL 1915 K  
R HR WK NR 169 169 K  
R OK NIL SK SK

**4131 kHz, 15-04, 1127 UTC, i.p.**

R QSL TIME 1922 HR WK NR 117 AR  
R DE ZX09 QSL TIME 1922 HR WK NR 159 AR  
AL3H QSL TIME 1923 WK NR 707 AR  
R DE GH7U QSL TIME 1923 WK NR 602 AR  
HR G2R6 QSL TIME 1923 HR WK NR 113 AR K  
XHUC DE .ZX09 K  
N DE AL3H QSL TIME 1923 WK NR 707 AR K  
R NIL SK  
OK NIL GB  
K4RU DE ZX09 K  
DE GH7U QSL TIME 1923 WK NR 602 HR K  
SK NIL SK  
R OK NIL SK

**5123 kHz, 15-04, 0845 UTC, i.p.**

R QSL 1646 K  
R OK R R  
A H  
FF NR 6082/EX 1646 =  
C5A3/SG2 AR  
FF NR 6082/EX 1646 =  
C5A3/HG2 AR  
FF NR 6082/EX 1646 =  
C5A3/HG2 AR K  
R QSL 1649 QSL 1649 K  
NR HR WK NR 108 K  
R HR WK NR 179 WK NR 179 SK SK  
SK

## **M95**

**4243 kHz, 09-04, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243 kHz, 09-04, 1150 kHz, M95: CW**

VVV HR MSG TO YR PSE CY  
NR 084 CK 42 35 0409 1537 =  
5AA UTT TTN 3U6 3A4 TTU TT3 773 354 365 N3D (Cont'd) AR  
7G AGN  
NR 084 CK 42 35 0409 1537 = (Repeats message) AR  
A HR 7G GA  
NR 096 CK 16 35 0409 1546 =

UT5 TT. 3U6 3A4 TTA TTU TT3 773 354  
AR  
7G AGN  
NR 096 CK 16 35 0409 1546 = (Repeats message) AR  
A HR 7G GA  
NR 18 CK 226 35 0409 15.. =  
U. TTN 3U6 3A4 7TU 7TA NU6 (Cont'd)

**5700 kHz, 09-04, 0706 UTC**

RMKS 7546 TO 8348 K  
R =  
N5TU 47D3 A65N A63U 4D7T NT4A U635 7D5N 63T7 A4UD (Cont'd) AR K  
R HR WK NR 1238 K  
R SK  
VVV .NLC DE GMQM K  
NRRF .. DE UPUK  
R QSA 2  
R QSA  
IEC = 1323 AR K (Normally associated with exercise)  
R R IEC = = 1849 AR K  
7G GA K (Both stations on this frequency)  
CCK/ CK 19 ..  
R NR 035/CCK CK 19 03 0409 1512 RMKS 7546 TO 8346 K  
R GA K (Message format indicates M95 family)  
R 7G =  
N5TU 47D3 A65N A63. 4D7T NT4A U635 7D5N 63T7 A4UD  
NT75 34AU D6NT UA47 536D DTUN 3A64 57.4 5ANT AR K  
R QSL ..16 K  
R RPT K  
R QSL 1516 K  
R HR WK NR 1238 K  
R R HR WK NR 21 K  
R SK  
R SK  
VVV W05X DE GMQM K  
.. K  
R QSA 2 K  
R QSA 2 K  
R IEC = 1323 AR K  
R IEC = 1849 AR K  
R 7G TO U K  
R GA K  
R 7G NR 036/CCK CK 19 03 0409 1518 RMKS 7546 TO 8341 K  
R GA K  
RPT NR 036/CCK K  
R GA K  
7G =  
N5TU 47D3 A65 A65N A63 = = =  
N5TU 47D3 A65N A63U 4D7T NT4A U635 7D5N 63T7 A4UD  
NT75 34.. D6.. ..A47 5.. 7D4 5ANT AR K  
NRPT 5W K  
R RPT 5W = = 4D7T AR K  
R QSL 1523 K  
R HR WK NR 1238 K  
R HR WK NR 53 K  
R SK  
VVV  
V SHCL DE GMQM K  
FM K  
R QSA 2 K  
R QSA 2 K

R IEC = 1323 AR K  
 R IEC = .849 AR K  
 R 7G TO U K  
 R OK GA K  
 R 7G NR 037/CCK CK 19 03 0409 1529 RMKS 7546 TO 7528 K  
 R GA K  
 R 7G ==  
 N5TU 47D3 A65N A6.. 4D7T NT4A U635 7D5N 63T7 A4UD  
 NT75 34AU D6NT ..47 536D DTUN 3A64 57D4 5ANT AR K  
 R K  
 R HR WK NR 1238 K  
 R HR WK NR 638 K  
 R RPT K  
 R HR WK NR 638 K  
 R SK  
 R SK (0733z)  
 VVV S5CL DE GMQM K  
 KBH5CL GUO..  
 R QSA 2 K  
 R QSA 2 K  
 R IEC = 1323 AR K  
 R ... K  
 R 7G TO U K  
 R OK GA  
 R 7G NR 038/CCK CK 19 03 0409 1537 RMKS 7546 TO 7585 K  
 R GA  
 7G =  
 N5TU 47D3 A65N A63U (Cont'd – Unable to monitor any longer – 0739z)

**4364//8073 kHz, 09-04, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4364//8073 kHz, 09-04, 1140 UTC, M95: CW**

V BNGC (x3) DE XSV85 (x2)  
 HR MSG GA PSE CY  
 NR 0284 CK 287 35 0409 1556 =  
 TTN 3U6 3AN 3U7 TAU 773 35U 4AA NN3 435 (Cont'd)

**4243//9054 kHz, 15-04, 1141 UTC, Q26: 4+4 QPSK 75/3000 LSB**

**4243//9054 kHz, 15-04, 1147 UTC, M95: CW**

VVV HR MSG TO YR PSE CY  
 NR 096 CK 32 35 0415 1508 =  
 5AA UTT TA5 3U6 3A4 TTU TT3 773 35A N3D (Cont'd) AR  
 7G AGN  
 NR 096 CK 32 35 0415 1508 = (Repeats message) AR  
 A HR 7G GA  
 NR 015 CK 16 35 0415 1607 =  
 UT5 TA5 3U6 3A4 TTA TTU TT3 773 356 4AA  
 446 467 4D6 N.D 4D3 3DU AR  
 7G AGN  
 NR 015 CK 16 35 0415 1607 = (Repeats message) AR  
 A HR 7G GA  
 NR 30 CK 185 35 0415 1617 =  
 UTU TA5 3U6 3A4 TTU 773 35A N3D 353 (Cont'd)

**4243//9054 kHz, 30-04, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243//9054 kHz, 30-04, 1147UTC, M95**

HR MSG TO YR PSE CY  
 NR 026 CK 51 35 0430 1534 =  
 5AA UTT T4T 3U6 3A4 TTU 773 353 4A5 445 346 (Cont'd) AR  
 MSG AGN  
 NR 026 CK 51 35 0430 1534 BT (Repeats message) AR  
 A HR MSG GA

NR 60 CK 177 35 0430 1543 =  
UTU T4T 3U6 3A4 TTU 773 35A U4T 353 4TA (Cont'd)

**4243 kHz, 30-04, 1211 UTC, i.p.**

**4243 kHz, 30-04, 1217 UTC, V26: Messages in Chinese. Female operator**

NR 064 CK 17 35 0430 1615 =

UT5 T3T 3U6 3A4 TTA TTU TT3 773 35U U4T

353 4UT 446 4D3 N3D 4D6 4DU AR

7G AGN

NR 064 CK 17 35 0430 1615 BT (Repeats message)

AR

A HR UP SB K

**4364//8073 kHz, 30-04, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4364//8073 kHz, 30-04, 1141 UTC, M95**

V BNGC (x3) DE XSV85 (x2)

A HR MSGS GA PSE CY

NR 0326 CK 2.. 35 0430 1559 =

T3T 3U6 3AN 3U7 TAU 773 354 374 4AA (Cont'd)

## DIGITAL MODES

### HM01 - Dirección General de Inteligencia

#### Oddities:

**16180 kHz, 09-04, 2058 UTC**

Radio Havana Cuba with music and then news. Replacing HM01

**17480 kHz, 09-04, 2155 UTC**

Radio Havana Cuba with news at 2155 UTC. Replacing HM01

**9330 kHz, 22-04, 0652 UTC**

Radio Habana Cuba followed by HM01 at 0656 UTC.

#### HM01 RDFT file log by MDK2

Date (DDMMYYYY):	Numbers:	File name or repeat:	Freq	UTC
01/04/2019	18253	50631825.f1c	11435	1600
	65311	74016531.txt		
	55104	04445510.txt		
	83886	22748388.txt		
	28556	76652855.txt		
	23037	47352303.txt		

HM01 has been transmitting these files and number sets every day since 22 February. There were no new sets or files sent any time in April (or March) 2019. Please see Numbers & Oddities #257 for more details about these files including a link where they may be downloaded. HM01 repeated all number sets and files throughout the month of April 2019. The date, time, and frequency of each observation follows.

Date	Freq. and time	Date	Freq. and time	Date	Freq. and time
02/04/2019	17480 2200	12/04/2019	11435 1600	22/04/2019	11635 1800
03/04/2019	11435 1600	13/04/2019	11435 1600	23/04/2019	17480 2200
04/04/2019	16180 2100	14/04/2019	11435 1600	24/04/2019	11435 1600
05/04/2019	11635 0800 (06 APR)	15/04/2019	11435 1600	25/04/2019	16180 2100
06/04/2019	11435 1600	16/04/2019	11635 1800	26/04/2019	11435 1600
07/04/2019	11435 1600	17/04/2019	11435 1600	27/04/2019	17480 2200
08/04/2019	11435 1600	18/04/2019	11635 1800	28/04/2019	11435 1600
09/04/2019	11530 1700	19/04/2019	11435 1600	29/04/2019	11435 1600
10/04/2019	11435 1600	20/04/2019	11435 1600	30/04/2019	16180 2100
11/04/2019	11635 1800	21/04/2019	11435 1600		

## File Reference

### Sort by file name

File Name:	Number group:	Date first logged (DDMMYYYY):
04445510.txt	5510#	18/02/2019
22748388.txt	8388#	18/02/2019
47352303.txt	2303#	18/02/2019
50631825.f1c	1825#	19/02/2019
74016531.txt	6531#	21/02/2019
76652855.txt	2855#	18/02/2019

### Sort by Date

Date (DDMMYYYY):	File name or repeat:	Numbers:
18/02/2019	04445510.txt	5510#
18/02/2019	22748388.txt	8388#
18/02/2019	76652855.txt	2855#
18/02/2019	47352303.txt	2303#
19/02/2019	50631825.f1c	1825#
21/02/2019	74016531.txt	6531#

### Sort by number group

Number group:	file name:	Date:
1825#	50631825.f1c	19/02/2019
2303#	47352303.txt	18/02/2019
2855#	76652855.txt	18/02/2019
5510#	04445510.txt	18/02/2019
6531#	74016531.txt	21/02/2019
8388#	22748388.txt	18/02/2019

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

### M42 – various modes

12152 kHz, 15-4, 0746 UTC, MFSK-6 MFA Moscow clg 432516: Russian embassy Bern. Followed by  
12148 kHz, 15-4, 0749 UTC, MFSK-66+8PSK Russian embassy Bern tfc to MFA Moscow  
13447 kHz, 7-4, 1900 UTC, MFSK-16 Russian intel.  
14655 kHz, 10-4, 0746 UTC, Serdolik MFSK MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 15762 kHz.  
No traffic noted  
12148 kHz, 15-4, 0749 UTC, MFSK-66+8PSK MFA Moscow msg to Russian embassy Bern  
18332 kHz, 22-4, 1300 UTC, MFSK-66/45Bd MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 16260 kHz  
14655 kHz, 23-4, 0833 UTC, MFSK-66/45Bd MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 15762 kHz  
12120 kHz, 23-4, 0922 UTC, MFSK-66/45Bd MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 18440 kHz

### M42b – FSK 50/500

#### **4032 kHz, 12-04, 0551 UTC, CW + FSK 50/500**

G5OP wkg SN7D. Opchat in CW. Messages in FSK 50/500

#### **6857 kHz, 12-04, 0511 UTC, CW + FSK 50/500**

G3WM wkg SK8I. Opchat in CW. Messages in FSK 50/500. QSX on 7891 kHz

#### **5471 kHz, 12-04, 0551 UTC, CW + FSK 50/500**

UOZG wkg WDAK. Opchat in CW. Messages in FSK 50/500. QSX on 5921 kHz



**12194/10581/8112 kHz, 03-04, 1840/1850/1900 UTC**

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

Link 00052

**16209/14363/12167 kHz, 11-04, 0800/0810/0820 UTC**

11166 00052 15987 09039 01829

68430 16119 45876 22078 79157 74804 69414 40426 91539 66286  
 04302 97356 50149 90886 07918 50450 26537 33110 24149 47040  
 08722 12382 71091 66233 08584 04880 13052 53918 05520 71714  
 78487 83375 08365 32539 52964 07070 47391 45402 07019 94829  
 92036 50071 51458 03815 91381 82178 69458 59879 38075 27523  
 35812 62741 75018 58425 12735 88295 15602 82596 66290 64077  
 48655 60273 54840 34025 85622 23804 09437 57925 98121 65959  
 00702 18948 13726 84718 26179 87324 20013 75939 48255 87983  
 59926 96449 91530 68444 85524 83589 08612 23403 21032 63964  
 66918 04965 95370 54881 10181 77343 03466 03565 05175 21514  
 94968 69991 06987 60463 30857 49536 27440 68329 49636 29103  
 92128 51247 84628 85126 70114 53654 02332 21262 64369 91812  
 28574 81308 07104 24429 63203 13806 77057 35726 26519 90555  
 69899 53920 82490 22193 87542 14541 17398 56853 36161 88215  
 76205 67171 84229 21793 64462 77373 32175 79699 05027 50908  
 16129 87065 83917 28699 66137 50779 21569 23604 22123 46076  
 46439 87684 18429 16694 65384 73172 52020 35505 84754 55454  
 55027 25228 06448 24414 53022 41296 11845 32204 24577 78580  
 39180 00000

**16209/14363/12167 kHz, 25-04, 0800/0810/0820 UTC**

11166 00052 15987 09039 01829

68430 16119 45876 22078 79157 74804 69414 40426 91539 66286  
 04302 97356 50149 90886 07918 50450 26537 33110 24149 47040  
 08722 12382 71091 66233 08584 04880 13052 53918 05520 71714  
 78487 83375 08365 32539 52964 07070 47391 45402 07019 94829  
 92036 50071 51458 03815 91381 82178 69458 59879 38075 27523  
 35812 62741 75018 58425 12735 88295 15602 82596 66290 64077  
 48655 60273 54840 34025 85622 23804 09437 57925 98121 65959  
 00702 18948 13726 84718 26179 87324 20013 75939 48255 87983  
 59926 96449 91530 68444 85524 83589 08612 23403 21032 63964  
 66918 04965 95370 54881 10181 77343 03466 03565 05175 21514  
 94968 69991 06987 60463 30857 49536 27440 68329 49636 29103  
 92128 51247 84628 85126 70114 53654 02332 21262 64369 91812  
 28574 81308 07104 24429 63203 13806 77057 35726 26519 90555  
 69899 53920 82490 22193 87542 14541 17398 56853 36161 88215  
 76205 67171 84229 21793 64462 77373 32175 79699 05027 50908  
 16129 87065 83917 28699 66137 50779 21569 23604 22123 46076  
 46439 87684 18429 16694 65384 73172 52020 35505 84754 55454  
 55027 25228 06448 24414 53022 41296 11845 32204 24577 78580  
 39180 00000

Link 10031

**17538 /14576/11639 kHz, 10-04, 0915/0925/0935 UTC**

11166 10031 17935 10001 00049 00000 00000 00000 00000

Link 10042

**19363/16349/13808 kHz, 11-04, 1010/1030/1050 UTC**

**Russian diplo/intel. Message to Russian embassy Addis Ababa.**

11166 10042 15624 10012 02219  
40833 97541 98057 23535 80464 13147 43322 85956 72580 71311  
09873 36297 07045 31585 21595 99722 13390 35059 26123 00222  
15621 97144 52426 17278 59381 62144 77473 87970 66169 93100  
69180 90410 94298 95317 97793 69472 11273 97021 32940 90737  
07289 35586 68492 33610 04524 22759 42464 59514 41924 87333  
44105 16147 40166 18696 25398 63683 76475 59688 59129 33907  
24003 22231 10737 58181 35436 24133 16111 25206 75535 70528  
82537 54496 32292 28383 54979 96526 61368 67503 14874 95467  
43550 66492 03635 75455 59854 07071 88054 36344 14011 05230  
09783 69856 56993 52630 86079 32088 93286 66692 54021 33301  
73582 72816 75352 30930 03583 67170 44174 36754 23613 33482  
64642 74170 38714 12268 90881 46495 03920 45948 46292 02241  
94384 48271 64432 08304 15078 71493 18682 67001 29704 69759  
32850 37888 13554 82094 89939 50300 59967 83479 81231 17561  
95101 77419 62900 88776 80676 28458 12328 99175 09411 58071  
01319 04916 22810 52372 28388 13302 06010 55078 77330 44354  
39353 44162 94236 84655 11406 15637 00162 19431 23066 22904  
81616 53778 37492 45105 26090 58999 55507 82921 94767 04970  
21190 05243 49655 64474 87313 95157 77272 00463 95351 68703  
76124 72141 49713 64790 00132 20858 90904 29779 75196 21709  
97307 45098 31108 11801 70254 71390 15967 31116 82092 07579  
85308 36910 91928 88328 83136 77583 58730 68316 57020 12219  
00000

Link 10053

**18726/16238/13378 kHz, 02-04, 1650/1700/1710 UTC**

11166 10053 14279 02069 00049 00000 00000 00000 00000

**18626/16235/13458 kHz, 07-04, 1530/1540/1550 UTC**

11166 10053 74523 07001 00049 00000 00000 00000 00000

**18726/16238/13378 kHz, 09-04, 1650/1700/1710 UTC**

11166 10053 12358 09001 00049 00000 00000 00000 00000

**18626/16235/13458 kHz, 14-04, 1530/1540/1550 UTC**

11166 10053 14279 14065 00049 00000 00000 00000 00000

**18726/16238/13378 kHz, 16-04, 1650/1700/1710 UTC**

11166 10053 13579 16001 00049 00000 00000 00000 00000

**18626/16235/13458 kHz, 21-04, 1530/1540/1550 UTC**

11166 10053 13579 21065 00049 00000 00000 00000 00000

**18726/16238/13378 kHz, 23-04, 1650/1700/1710 UTC**

11166 10053 79513 23012 00049 00000 00000 00000 00000

**18626/16235/13458 kHz, 28-04, 1530/1540/1550 UTC**

11166 10053 79631 28001 00049 00000 00000 00000 00000

**18726/16238/13378 kHz, 30-04, 1650/1700/1710 UTC**

11166 10053 14279 30069 00049 00000 00000 00000 00000

**16325/14724/12172 kHz, 03-04/04-04, 0600/0610/0620 UTC**

11166 40122 82041 30024 03449 92699  
12557 30377 90516 63138 94459 60231 00359 09627 85460 68867  
15904 70160 07153 97335 82806 50037 46148 54362 97991 75361  
15379 91585 29596 11502 40097 02334 54584 69918 85775 29868  
43728 51806 70090 96038 48636 01999 26170 86287 70522 71560  
09304 51940 15399 12501 64294 15715 65384 53071 95641 91392  
20814 27046 07746 53591 92833 55460 07320 18566 51172 04220  
85194 21987 56776 66027 19706 04630 34000 40065 68850 41906  
62025 07868 43402 78183 90216 28825 78168 51834 07080 03745  
43582 21932 17530 79933 64812 32554 08143 96200 40578 75617  
05084 91258 78864 38189 54399 23926 91713 45201 79357 78594  
16289 33517 94533 54379 54393 18288 81313 61404 47639 37520  
54511 72650 30437 85812 74796 04811 28021 73188 86595 26581  
91665 69962 86182 17838 88305 23579 49622 28127 86735 58364  
75274 07907 07584 94118 20526 10984 29229 44507 37456 91575  
66883 81156 37111 44444 66985 74426 37083 61529 84129 46771  
72075 03522 32690 99634 72138 09825 30351 99824 38283 95317  
75707 36294 70127 07385 27146 83267 25292 41634 75172 30656  
15224 39736 25392 67693 67121 17844 34318 30733 06674 99002  
65203 51142 41278 48009 56070 64230 48440 32149 17147 65156  
99031 56246 99876 22730 70103 45473 04701 87085 26935 74344  
19798 52114 79008 65346 07966 58641 39599 05630 83838 49249  
43662 55207 48623 10702 03715 45088 74538 64911 08385 88801  
56152 94364 93330 55726 70803 12972 39206 79678 15285 18255  
76370 01194 10995 85822 01016 66929 94719 92074 32412 34646  
37264 76056 65957 57181 57083 76416 01707 43867 21139 04398  
53083 22837 50138 38807 65454 52631 70359 53882 99248 56571  
79246 16021 57326 78321 16963 10284 61261 82071 61082 82629  
06243 45799 86622 08800 49278 21026 58587 25811 10387 57519  
49228 86975 91458 16372 97187 26399 42489 19898 50730 43886  
29858 11784 62248 46192 86343 25930 26216 05565 47575 87418  
77792 21505 04584 94055 94254 96685 27159 51904 66454 62976  
37704 63276 32477 18491 40248 90584 90696 61622 34337 44526  
34413 32971 68471 70011 75263 01139 12775 28285 47580 53293  
55601 98683 10903 76461 53741 48446 92816 40483 90944 44044  
39315 24342 00000

**16325/14724/12172 kHz, 10-04/11-04, 0600/0610/0620 UTC. Two messages**

11166 40122 46589 06025 02859  
59326 97249 40745 22385 50147 05535 84242 05992 77588 83830  
51376 70990 04601 05844 80470 32999 04269 86969 73386 00716  
92030 39149 38536 34727 38470 28553 48050 77115 36102 03282  
45053 31555 18610 83281 61962 98585 55949 29647 35765 95746  
73784 35508 31212 17265 70662 05689 07846 12977 31389 17319  
91821 91181 60031 78595 38454 75102 80981 27871 96416 67653  
81535 40266 09544 04187 94400 33982 17163 97930 43591 93517  
38910 07773 02136 51960 54942 83104 35039 99548 17504 65406  
25940 10694 54782 51247 10889 06646 52977 46410 67701 95987  
27538 65811 34310 60151 19494 58907 54558 76145 77821 65282  
74874 93667 13783 30094 40264 08810 38178 34074 63050 01523  
17441 17764 62810 29046 09521 04678 00940 92478 65490 53080  
58286 18679 07808 91060 29278 24693 21182 14600 31004 56877  
16970 53313 50668 21930 57049 33549 79859 51991 48095 93548  
09078 71022 42215 30341 80952 54638 04855 83054 25582 00582  
35943 82356 26454 52038 55182 20683 90351 40958 87446 22962  
19721 43598 09208 22508 10899 65450 41940 71785 26669 97752  
03433 42719 16568 12773 52946 96239 83381 90046 91161 25768

19276 90759 00846 04295 59984 22468 39182 89774 30509 61327  
17690 68502 80757 24040 30694 41167 34561 06689 18249 81268  
00507 32655 74489 20584 18026 76810 37318 41377 37176 58158  
20382 80024 55544 18125 73273 71765 60721 26684 80886 91243  
51787 83493 37877 68543 38221 06247 59150 85400 39706 23414  
12329 81271 35245 13570 83128 23960 35024 58483 09576 24480  
73476 02174 46020 00841 46971 33107 42861 20448 44571 31718  
52941 75808 45287 50463 00533 73218 80282 18576 73861 39131  
83453 88711 27099 73881 78822 67681 02776 07473 78192 98452  
10528 37090 87483 85608 23141 51045 45207 81443 75807 68835  
41502 74907 79552 25283 00000

11166 40122 63987 06026 02869  
55674 94094 61980 70976 42038 43999 93238 92488 58418 83560  
47227 82694 07545 03559 38464 92285 08374 01281 40961 04189  
14875 18236 95543 63909 36489 86171 58671 17394 96175 61072  
91200 48590 86999 49840 10530 33917 13190 59337 54555 55801  
26606 22476 30886 42495 94559 81052 49745 26345 59909 30002  
64006 37705 79386 52767 64790 76688 51082 02474 06070 29928  
67027 08583 56711 24552 51808 13729 03405 36555 73157 70419  
52896 95741 35453 52281 06987 54452 92068 59549 08717 12236  
37500 23475 83178 13672 65228 39361 21398 61524 02227 82878  
80719 12411 56082 89388 00132 47189 35636 00933 53972 33223  
31110 10585 92448 20745 64634 58855 42414 40478 47129 61839  
66831 94722 02464 75781 06375 59078 44849 27760 51583 37007  
20379 67168 19034 34411 48678 17689 29945 46420 25580 34439  
14663 73567 72777 95981 91462 09559 45387 85884 93110 67797  
33361 43526 39605 38881 17678 88811 80555 96225 67260 50520  
55628 92041 87557 52938 46490 10809 56718 40491 18698 72476  
10299 45045 76966 02547 60450 25573 82250 11243 60512 34873  
04086 48947 50949 93024 06615 30098 47582 72271 91745 42730  
58035 23011 47877 85843 37345 95596 77626 01797 18666 37618  
02999 95904 80015 71361 71437 60432 32986 81133 11186 45170  
44372 65132 09408 41774 26638 31564 11500 74075 58182 43676  
65028 11518 19311 43413 56733 47942 54883 08364 16043 12880  
99547 21704 83520 07560 26514 59813 67693 82807 05802 27251  
38706 01025 82891 93789 32210 49443 13736 13184 61964 96825  
17042 28358 64552 10830 29785 92720 24667 78178 76881 62272  
54404 94876 90954 38196 24995 18612 43143 64634 74413 00568  
70875 11325 39310 38806 13560 95785 84686 20426 92113 24737  
29773 44675 93291 59456 93528 44216 44720 34740 08208 46707  
91606 86167 74435 43917 26284 00000

**16325/14724/12172 kHz, 17-04, 0600/0610/0620 UTC**

11166 40122 67135 17037 00049 00000 00000 00000 00000

**16325/14724/12172 kHz, 24-04/25-04, 0600/0610/0620 UTC**

11166 40122 46310 20027 04019  
56913 49694 33329 76169 68701 23045 78300 22884 65372 90921  
85499 24027 27180 32297 13338 64397 16876 29652 92844 67288  
66616 97264 37869 89226 70439 37334 94439 10521 55743 91120  
65218 01296 32205 77292 69994 67698 41577 34674 28149 07976  
56807 11564 74028 33097 03901 68834 41168 31613 04988 88982  
76300 83446 66008 08322 69084 52294 57469 14517 08493 11328  
61701 76626 01807 81880 85064 99857 17134 89818 58524 22218  
35405 69269 75048 95247 22783 68397 37261 16013 59411 36928  
13777 02574 85459 00088 27678 30078 50377 48663 25548 69701  
76320 99856 00514 97595 71672 08640 67724 66057 55593 34266  
15719 54074 79549 91663 82097 39470 56751 42368 26956 59807  
35439 04698 02508 54252 76948 87853 42335 03586 24509 79636  
18708 10540 73693 42455 41406 87660 80468 97333 96482 44874

67784 00590 48405 93949 16625 42872 54016 12042 52485 25259  
61743 31503 63182 92084 94507 48156 08959 25199 39751 65209  
10804 29335 95040 15000 27941 63279 42668 25762 60409 96534  
51697 25603 37677 96148 30886 00866 79235 73418 80927 51084  
38096 45134 19443 07700 63138 89069 77167 08737 41243 98390  
88763 46627 05148 64689 26703 31360 17959 44301 51650 36157  
70270 87625 77789 17850 50808 36118 76528 29156 76549 16641  
67019 65034 93259 87870 66936 10309 82365 18441 01939 80755  
35119 01509 97268 74827 79989 35443 99911 78211 74203 25301  
04766 88412 95392 84803 83243 51535 94273 43482 37761 28467  
94296 88689 30542 32638 49214 97157 60169 06556 94482 35803  
84337 29290 53464 36445 12228 72112 84340 74151 14950 44458  
78692 03875 27492 97408 47676 35078 40606 76890 56732 49041  
06077 43756 94769 88526 03806 02957 88759 74496 44148 08975  
99674 29570 03941 39727 60718 12904 19663 56098 43774 96184  
86159 89315 65008 35431 34366 23339 65587 18271 86485 64460  
28409 91403 12030 15296 16824 97925 33187 95361 46258 79200  
52943 75417 24686 20972 04389 17769 22887 48402 44661 39712  
60426 99723 41946 42314 18296 33190 28990 71708 14151 47016  
21554 05101 01086 16995 25235 78668 75875 81476 79121 99538  
07636 28397 09687 09044 22825 64047 93385 89426 07535 68269  
51369 31192 12997 65760 24778 03294 75260 68183 04028 93335  
84958 66760 10544 09983 68110 80050 54373 64769 63904 86577  
16109 75484 10380 97023 26574 58328 73962 45651 42694 01028  
83789 05649 42998 34092 56746 58103 91186 42409 24172 69257  
41204 84349 96159 55764 82253 10587 24394 42617 47185 99808  
49455 43441 32711 53510 43540 17834 04862 17058 84531 27399  
00000

Link 40133

**19417/16286/14984 kHz, 13-04, 2100/2110/2120 UTC**

11166 40133 74123 13001 00049 00000 00000 00000 00000

**19417/16286/14984 kHz, 20-04, 2100/2110/2120 UTC**

11166 40133 16843 20001 00049 00000 00000 00000 00000

Link 50046

**14986/13366/11050 kHz, 06-04/07-04, 1100/1110/1120 UTC**

11166 50046 15987 05073 01249

64928 95296 14773 10366 56963 30891 67049 89267 04559 92765  
20693 09639 56754 80715 90467 81323 22411 72957 26547 63894  
41355 57908 91505 36905 20245 09857 74463 38616 80658 77973  
80678 00245 92069 08819 03176 60092 01938 64514 85339 60165  
00690 95137 93563 28329 26209 19701 20739 28507 34123 41704  
99542 16360 63362 65284 19784 01404 92773 00575 47531 89314  
44998 92707 58207 34732 34502 48656 76876 33904 44181 96741  
09653 75832 80734 41324 84686 41900 41980 38048 80188 47247  
68427 44548 83262 73959 76083 66080 89255 98370 34496 15883  
61862 59785 95584 17596 61566 75863 40579 64647 36511 26892  
85254 73482 54708 34775 73285 66121 69867 50991 16096 01425  
95244 74364 61502 04051 66525 59761 88089 46753 18063 01429  
96927 06572 73122 00000

**14986/13366/11050 kHz, 20-04/21-04, 1100/1110/1120 UTC**

11166 50046 87541 19074 00569  
27829 35200 14773 10366 19864 70805 67049 89267 67450 32779  
20693 09639 05879 58155 90806 08372 09663 12778 84724 01606  
16171 25711 35257 30683 77673 04617 91538 64606 41182 30129  
61073 17934 89988 70957 43901 14964 40210 88532 20910 46839  
41651 70667 04056 29797 54086 58639 23915 95336 80141 36019  
94766 28881 76697 47366 74054 00000

Link 60070

**9455/6863/5426 kHz, 09-04, 0030/0040/0050 UTC**

11166 60070 13579 09001 00049 00000 00000 00000 00000

**9455/6863/5426 kHz, 16-04, 0030/0040/0050 UTC**

11166 60070 79513 16012 00049 00000 00000 00000 00000

**9455/6863/5426 kHz, 23-04, 0030/0040/0050 UTC**

11166 60070 14279 23075 00049 00000 00000 00000 00000

**9455/6863/5426 kHz, 30-04, 0030/0040/0050 UTC**

11166 60070 53247 30075 00049 00000 00000 00000 00000

Link 70048

**11484/10185/9615 kHz, 03-04, 0800/0810/0820 UTC**

11166 70048 74569 03001 00049 00000 00000 00000 00000

**11484/10185/9615 kHz, 10-04, 0800/0810/0820 UTC**

11166 70048 87421 10001 00049 00000 00000 00000 00000

**11484/10185/9615 kHz, 17-04, 0800/0810/0820 UTC**

11166 70048 74123 17001 00049 00000 00000 00000 00000

**11484/10185/9615 kHz, 24-04, 0800/0810/0820 UTC**

11166 70048 13579 24001 00049 00000 00000 00000 00000

Link 70059

**9473/7556/5471 kHz, 15-04, 0400/0410/0420 UTC**

11166 70059 87421 15021 00049 00000 00000 00000 00000

Link 80214

**16351/14367/11483 kHz, 04-04, 1330/1340/1350 UTC**

11166 80214 15973 04001 00049 00000 00000 00000 00000

**16351/14367/11483 kHz, 11-04, 1330/1340/1350 UTC**

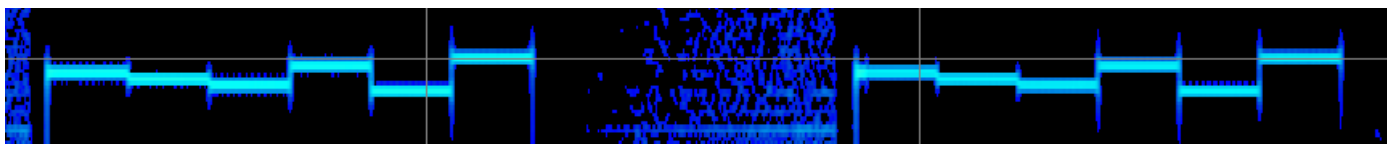
11166 80214 53617 11039 00049 00000 00000 00000 00000

**16351/14367/11483 kHz, 18-04, 1330/1340/1350 UTC**

11166 80214 82437 18045 00049 00000 00000 00000 00000

**16351/14367/11483 kHz, 25-04, 1330/1340/1350 UTC**

11166 80214 64973 25037 00049 00000 00000 00000 00000



MFA Moscow clg 432516: Russian embassy Geneva

Code	Freq	Date	UTC	Day	Details
X06	13411	2-4	0756	Tue	MFA Moscow clg 165423: Russian embassy Brussels
X06	11462	2-4	0804	Tue	MFA Moscow clg 165423: Russian embassy Brussels
X06	12152	15-4	0746	Mon	MFA Moscow clg 432516: Russian embassy Bern
X06b	13477	16-4	1819	Tue	Sequence: 111666 before XPB
X06b	12147	16-4	1826	Tue	Sequence: 111666 before XPB
X06b	13477	16-4	1827	Tue	Sequence: 111666 before XPB

## XPA1

### 10428/11431/13441 kHz, 02-04/04-04/25-04, 0710/0730/0750 UTC

486 486 486 1 486 486 486 1 486 486 486 1  
00239 00200 53279 62639 49452 54471 88557 83195 08812 87285  
82725 20725 24982 57515 37172 61684 22890 00996 28671 95900  
45544 80456 51800 97351 25750 33659 78395 72279 77500 26073  
92236 19359 45433 90507 23242 66009 57282 09461 45801 06156  
14866 83675 29286 02668 82427 05978 84000 34721 82825 62371  
58138 63914 36412 41947 65356 35136 00059 38656 46337 85464  
83656 18123 04260 04645 85316 54938 84790 40617 88819 91308  
20723 20285 03170 82626 43789 52342 42438 89093 76842 12524  
88178 55179 03064 39445 80154 20717 04463 86154 13402 19372  
94881 68707 89248 32132 39766 43870 14231 80191 75243 43154  
69695 97334 48154 29240 11671 54954 69364 26597 91020 26866  
73321 88065 21368 17507 97810 55003 32390 18089 17179 99320  
45116 94178 43821 26769 66874 41957 42532 06020 34666 06054  
05535 15739 01344 58435 04348 12117 75170 31987 11488 35365  
16266 46611 45210 31423 59147 96641 07643 70741 14674 42989  
11191 95837 63020 48503 01384 96795 76718 07039 54837 04673  
36259 23337 75291 66964 22319 45178 14305 60114 73491 51136  
73621 81392 81514 27671 03890 49298 91053 70556 13310 09285  
91465 96652 88868 06026 00627 80764 89978 64507 74647 21670  
07687 81499 29693 44589 33763 59074 34937 28676 65442 92397  
34617 58880 26007

### 10428/11431/13441 kHz, 09-04/11-04/16-04/18-04, 0710/0730/0750 UTC

486 486 486 1 486 486 486 1 486 486 486 1  
00259 00014 98137 03260 95315 09823 46193 15906 76950 08585  
44342 76514 63699 85703 09598 64194 37074

### 10428/11431/13441 kHz, 23-04/30-04, 0710/0730/0750 UTC

486 486 486 1 486 486 486 1 486 486 486 1  
00274 00200 46436 19372 92024 11970 83071 40206 64329 88372  
22213 63099 73828 49317 47981 85841 36280 17043 94147 88016  
95894 79816 30151 18515 20851 56186 78853 23279 66563 15178  
21579 92718 77702 14199 57290 21883 63613 58887 26529 74293  
90246 68791 83511 45530 28301 04967 02431 47787 20308 65876  
42539 32956 92413 87233 73292 78553 31061 91846 43603 31814  
14186 95414 73745 27507 71426 16528 11636 44295 64131 92537  
45521 48930 64202 85653 96973 38887 33964 98979 73579 57353  
05384 95143 77352 16431 42374 54100 39395 86658 62816 76478  
74884 80397 13644 32043 55439 47628 79077 98892 90419 75312

55680 49923 28142 89821 91586 96685 95334 72408 97403 10313  
26999 21337 53969 29889 58015 71646 51053 65509 09676 12061  
28013 21654 23461 56461 31900 30622 29660 17547 20567 70944  
58430 93667 86482 58130 31576 13402 35854 55314 66725 72609  
55748 98677 94918 72872 10772 43948 03331 66824 04752 40483  
11057 07046 50706 13008 87549 59329 95558 51094 61883 90631  
07007 59550 40492 67299 13859 61155 00910 39063 97235 29285  
33013 35212 55016 28987 85962 04085 01485 67223 58015 02186  
25122 90219 47799 10910 08023 46990 24123 41443 76592 17640  
88733 41179 20320 55900 54446 46693 90313 26494 24047 99107  
50633 18414 72305

## XPA2

### 11167/12167/13567 kHz, 01-04, 0700/0720/0740 UTC

05949 00001 00000 42261

### 14538/13538/12138 kHz, 02-04, 1800/1820/1840 UTC

04851 00102 56967 29860 47533 72151 41219 27322 91316 37936  
16486 38803 47101 51452 59900 14504 69919 20483 71851 14177  
52741 80139 58374 53559 36435 09382 79420 78141 24596 83571  
06534 46116 57029 13491 39982 95220 80894 86651 57189 29042  
86692 75592 57795 33701 85589 42104 33073 85066 00820 04088  
67606 19483 58618 96202 49689 02657 69509 75085 42835 35183  
57653 28236 66717 33394 34246 19390 72746 69234 73646 90160  
78313 04654 66479 14632 29204 56722 87579 32892 04150 48037  
03323 65888 04633 63218 66210 20286 76847 65366 32383 91283  
74028 67756 08113 10061 96106 71945 22987 65084 78265 87491  
65218 14346 43628 17350 52042

### 11167/12167/13567 kHz, 03-04, 0700/0720/0740 UTC

06115 00001 00000 34257

### 17474 kHz, 03-04, 0930 UTC

06667 00001 00000 37664

### 14538/13538/12138 kHz, 07-04/09-04, 1800/1820/1840 UTC

02698 00098 54060 56764 64750 22166 54978 07064 43813 68444  
41959 11413 82930 93134 26595 83433 11400 16610 87410 17113  
40781 84237 48460 10503 51181 90155 50174 58348 75788 65780  
83163 14465 17068 54708 56186 65138 50541 78693 39605 57508  
30671 09503 15016 98414 43769 75640 39179 51788 74974 94374  
11501 11183 71330 10854 54739 47857 89165 83114 55158 64446  
61110 71531 13776 51664 96481 50848 38703 31786 00691 74441  
11758 16700 10597 11961 79391 51313 31890 69618 45171 51960  
41491 41747 16194 64134 16989 35611 94559 70168 70111 91749  
40501 89443 98706 15305 56669 38491 91331 81651 11887 13916  
31600

### 11167/12167/13567 kHz, 08-04/10-04/15-04/17-04, 0700/0720/0740 UTC

00183 00185 19616 13066 29078 69858 38124 25807 36127 89428  
78045 76817 39253 09975 55116 20094 48644 65661 48556 38955  
32680 72252 06727 21280 53988 62038 66759 76820 29670 55422  
52401 47482 26005 72505 22370 29836 09945 82681 86088 47839  
37636 62805 19357 95899 12025 48775 00195 93629 76393 60706  
03050 64233 57964 15386 41737 05814 70185 41388 90158 03602  
11259 83391 04165 22517 51364 12057 74768 73688 21924 11164  
59436 46928 36393 88119 26659 79862 39881 76137 44943 68260  
83193 38187 34444 62141 59176 28966 52586 80332 06422 62504  
70323 25680 62491 98624 01448 93226 33187 10669 99886 76655



15011 33845 10456 50332 41014 62071 47696 54700 62632 44262  
42835 69622 27790 19817 42628 97045 41515 30158 89967 78868  
33460 54381 90862 69691 16511 19554 95500 33796 67643 15455  
96969 59807 33248 03083 43298 64232 21525 86299 12962 66677  
40450 61302 12914 58778 19857 53715 02761 17029 59670 80469  
02320 73765 43266 83293 63968 94151 44759 09079 47685 09461  
59200 48239 28688 20910 77439 93879 19966 02668 50708 67752  
10804 56151 08970 65082 03506 00588 12339 91641 59385 44248  
22887 65190 83198 57182 80792 34613 01377 4253

**18038/17474/16286 kHz, 08-04/10-04, 0910/0930/0950 UTC**

06006 00222 72753 51008 33363 56695 70381 35965 03397 25271  
13913 93491 43904 70050 42487 89280 78191 32155 88284 96193  
71672 06836 94622 06866 34804 35834 22751 14090 63934 89859  
47486 73164 87581 91964 44307 83855 21995 27222 36885 98209  
04852 69733 91480 70494 35803 90822 51745 02860 31444 44986  
10990 44371 31873 72828 82748 42820 63760 28086 95635 35751  
28745 64216 62169 96059 88373 70796 64659 42601 84960 22789  
90075 94221 67125 27953 65809 22454 88069 18050 18232 09364  
59747 84396 39352 80752 13828 75006 55944 42245 09825 86681  
91329 49527 41095 69957 94008 59242 14633 42494 92039 32073  
26140 84505 93359 25882 38793 97581 04299 29424 87724 63757  
92794 29302 69504 45824 96941 32496 56611 07606 22201 29917  
91591 50216 77404 09073 35369 41332 15808 93267 75873 02823  
64731 80342 10914 00791 98626 92835 00568 28248 86882 18963  
07548 78979 35112 99578 79971 91620 83101 15382 89264 31507  
24785 90955 93963 43139 73898 22032 18000 56140 25568 85206  
24772 62391 92133 77185 99429 68545 86912 16517 26500 56439  
69506 23371 66955 80515 46465 39135 86433 51957 92483 41791  
82861 35268 28630 39384 78407 10836 65927 57875 79592 68925  
18708 93286 80661 44397 92050 43148 72071 93738 60057 35894  
53971 61584 27100 18771 51436 22851 32341 89562 08920 25296  
59453 86465 85681 09457 74714 25694 93886 85789 86422 74445  
39674 83988 35424 62917 56166

**15819/14919/13919 kHz, 09-04, 1600/1620/1640 UTC**

09221 00001 00000 32663

**15859/14659/13459 kHz, 11-04/13-04, 0910/0930/0950 UTC**

09993 00244 62356 21330 28774 12381 96688 80221 17717 85070  
80646 28319 16584 37366 81816 32524 14744 13396 25955 73042  
21938 05900 82134 93817 36194 02522 37526 18886 02366 55844  
01805 46261 36633 81872 16326 50554 77153 27212 00564 02381  
70031 65723 72865 52954 66477 54951 62565 93555 88658 45549  
32002 61899 05947 38008 21774 48016 27030 47238 88053 51704  
91517 46245 66526 66679 25275 16059 31499 40880 31461 31733  
59261 76623 87362 25566 84191 26508 03883 25304 90005 62083  
52737 41666 43392 88892 00471 95809 83457 61809 57000 44673  
67787 96623 38002 99492 20967 59093 48703 13280 17386 73080  
26532 84689 88800 28931 50783 03311 77530 16853 08386 80675  
60547 68402 38178 00813 47514 91752 58329 39315 78265 83675  
41443 11868 74728 53087 32516 89279 04713 22382 32878 84589  
64094 92772 62281 37880 08745 30814 25998 00460 60051 06776  
34539 45757 78787 96999 62795 66007 12247 19051 92788 92572  
13005 88333 68113 51346 12773 80148 87466 95773 77865 70799  
00556 52616 44791 73625 56174 84809 70441 72788 50568 86669  
04892 05481 55041 56453 68650 19963 73945 05501 82738 38836  
70186 00160 15514 37935 25367 23115 48611 09370 13683 93305  
15100 23493 31822 72041 61588 18887 77500 52843 51017 08860  
00139 04687 87075 08724 84436 81933 69996 36267 80857 64772  
17457 70896 44942 69231 11134 03105 18450 70709 45883 75227

05663 47162 82392 27179 19934 13186 88585 32481 92220 78570  
88338 99170 79624 50147 61494 40159 41569 05603 51912 96500  
67906 47832 54715 00495 77160 28789 30633

**15819/14919/13919 kHz, 11-04, 1600/1620/1640 UTC**

01219 00001 00000 36652

**17462/16114/14828 kHz, 12-04/13-04, 1900/1920/1940 UTC**

09997 00068 51088 47568 14882 23953 32178 74166 18439 44150  
42994 26529 34512 58513 45743 87900 29474 22127 98354 62941  
71954 77756 52768 69313 61194 76427 29696 95343 10396 26703  
25412 26393 13494 26389 87568 59232 80234 90642 20941 74600  
65773 89431 84142 48148 73440 69402 54715 35073 54638 59806  
12766 46314 51444 35212 15011 88353 70816 83126 81251 46306  
56302 48856 34419 93934 12111 87440 61087 36680 01792 40757  
70352

**14538/13538/12138 kHz, 14-04/16-04, 1800/1820/1840 UTC**

07931 00080 68431 12499 82305 34117 10926 96963 60449 54379  
51221 82298 77923 28577 79663 31265 95693 11300 55158 21730  
32433 68145 14299 43331 44269 87102 01083 04613 58326 98123  
92967 77314 10011 17514 71581 56242 52346 56719 54915 12096  
11858 86274 16722 01047 73518 81261 12517 90026 13448 69557  
31192 62594 70825 25515 25019 92751 27470 58622 72965 62045  
48665 44301 44649 96096 88281 58054 32662 23406 74808 76233  
53844 74586 93494 06950 52961 88305 47778 72620 95929 52798  
47345 53410 42746

**18038/17474/16286 kHz, 15-04/17-04, 0910/0930/0950 UTC**

00347 00048 85649 15840 59017 23694 45266 44637 21140 52154  
48768 70098 65022 48629 90167 35198 25445 11668 25122 61888  
36479 02407 31108 56081 69396 32036 25189 92682 99203 44462  
61381 60468 60242 09327 12692 98994 64456 00440 35583 58048  
41257 68986 12510 14712 20129 84068 16640 28327 10133 85037  
07247

**15881/14481/13381 kHz, 15-04/20-04, 1500/1520/1540 UTC**

06756 00099 66593 31339 39662 47637 73420 35603 12957 93704  
46366 98823 90843 72550 03212 91931 91858 06798 24515 11867  
85182 11150 93380 90275 08843 48977 60550 44880 34943 05201  
96994 86718 13536 75440 36331 13175 47040 87502 47010 77110  
34574 51075 73857 41053 19330 98163 72609 12119 53929 07861  
26452 44200 64670 00844 35783 50403 43108 55954 03569 30305  
58681 79712 06542 30352 17802 29031 35394 98918 55820 63820  
09687 53551 47425 47879 18788 19183 43622 46218 60186 94436  
06921 48824 36591 26880 13980 12394 21065 28540 74725 04279  
63479 56393 05523 02625 62795 86809 52045 23489 57792 40723  
87965 45332

**15819/14919/13919 kHz, 16-04/18-04, 1600/1620/1640 UTC**

00921 00294 81653 79996 43891 15555 24019 18877 79103 81425  
87619 07829 30663 94653 03475 90749 48563 65130 10996 56593  
33450 98440 87916 83906 63999 76886 13581 53017 02600 86258  
38033 17600 90306 88976 68256 32496 63294 62824 60470 20026  
88416 64517 08356 69730 18857 59418 82182 62945 49032 68650  
27905 70364 40908 30838 12652 30306 57626 92136 71549 83414  
29694 19899 01265 66692 60035 72635 20016 59732 70566 47999  
83945 73944 21104 79487 67344 98657 83279 21477 18945 92349  
44197 47498 12831 43087 35879 98019 46332 31681 85167 68870  
88121 28445 60643 52591 77342 85426 51194 62087 12085 06067  
48408 25701 83685 43017 78495 53181 92487 95839 62354 58456

20680 22032 24669 92555 04091 02719 14638 74981 54862 60360  
25520 89736 69618 19321 85786 97496 19976 72777 68254 21814  
23669 70373 36779 18949 85730 38244 89260 69317 11870 94929  
21817 98515 04199 60072 23900 95298 09186 37391 17934 79587  
72748 95100 85341 69224 13575 23472 75310 11133 07270 05908  
51758 16230 75064 97108 61029 58331 89332 59307 86604 54610  
49332 62689 20984 06639 01776 75413 88992 14226 77538 57472  
41832 12587 07812 32327 09784 84880 43139 62744 62920 10923  
06421 99629 19536 17868 91366 76622 83180 08484 05492 34472  
10662 83871 24341 10887 98950 09306 75349 95355 33809 95661  
60933 52560 99877 24694 93493 02608 23015 21139 76800 74810  
50973 91846 15613 84750 31155 44493 04748 74619 64511 44629  
60038 66457 56332 03990 53534 87808 49777 94074 11778 44274  
72062 86765 33579 41052 25768 36535 34849 18033 00781 33134  
17921 99817 81609 50657 34284 56305 04773 43728 95147 76653  
71412 21594 56649 41691 23387 04460 87692 04158 88540 40722  
21131 34094 27456 64757 69507 19676 02291 30426 98209 48988  
28201 77344 67794 22332 64040 74812 30719 88190 79145 25855  
78875 41658 90688 77726 82024 92468 61755

**15859/14659/13459 kHz, 18-04, 0910/0930/0950 UTC**

07831 00187 04802 64071 54762 06087 83997 11966 42796 72004  
95794 59086 04079 29295 40539 96194 03755 74441 66200 09890  
87615 16309 74100 80159 94913 51330 56471 92802 71256 40401  
70981 65282 09822 09469 81162 09608 89156 94860 71504 00989  
75938 95678 15750 54151 31207 67378 72998 73789 41397 88828  
65631 13428 27713 07033 42020 84830 75845 90446 71856 39835  
92386 50152 50376 81654 04704 08132 20707 46466 15582 74123  
66000 97352 61568 26292 73983 07555 15743 86724 23406 21613  
48444 98736 93248 50023 46117 07179 77707 61075 03809 63036  
73731 90988 97459 68833 16611 08548 92967 90869 18617 11228  
92700 22642 81523 25082 13812 07316 74859 16775 27972 74150  
21311 59220 76246 90375 20892 42435 93138 13184 01106 38176  
50361 80456 88925 98593 68465 65951 98887 91283 66895 65037  
99741 16896 24158 01163 22159 54153 98603 77349 15553 34915  
87948 47761 05541 38593 98969 69118 25127 41273 25936 24452  
65715 73844 53101 12358 53575 09542 64755 38505 96314 07345  
47499 75579 19831 05284 53377 09959 46110 86580 35028 09487  
65292 77478 05476 70469 64884 28999 90821 14750 80674 90003  
84503 88655 57272 44437 19344 32497 97649 28972 47321 03711

**17462/16114/14828 kHz, 19-04/20-04, 1900/1920/1940 UTC**

00486 00100 18182 18441 04866 34674 19217 61991 64952 41647  
88655 11177 22664 98460 33847 70513 73010 08368 11681 68582  
98856 91621 80529 25241 23213 93465 15148 54279 63961 83190  
40893 03290 04220 71532 28538 50368 99034 06582 01613 74803  
68250 78558 19142 97408 09779 56752 24071 51964 50023 63332  
04656 33303 51080 46165 07973 22088 71628 00718 92071 55863  
95468 17204 44198 11708 06087 53724 75725 07313 48636 26003  
69407 23145 85330 33528 89231 01615 30013 98634 55299 08578  
75392 85058 47699 46257 56428 38709 46079 64900 36813 42329  
77061 05065 43116 05681 55892 51422 15333 14961 54047 63670  
66454 70649 15566

**14538/13538/12138 kHz, 21-04/23-04, 1800/1820/1840 UTC**

00478 00098 36636 38888 76920 94611 29879 02867 60997 92972  
57760 22255 29513 51609 34334 85682 47639 13594 75952 65137  
54239 70548 72718 78628 27952 25969 51650 74652 91010 27153  
93346 34703 86010 44193 92367 77307 89187 67088 26913 70190  
54323 74986 70761 24958 34314 17764 57417 12052 62503 13130  
87118 86656 79370 83955 82487 76976 74209 22810 70588 57937

30144 57222 72693 49282 01896 08281 88292 82453 44803 38593  
74193 37123 40653 72311 83273 48846 87944 63523 43585 87394  
48044 74577 17927 96471 38694 66827 91367 65670 92782 25525  
51243 39675 33425 04070 08979 61336 65665 74553 98304 31060  
47164

**11167/12167/13567 kHz, 22-04/24-04/29-04, 0700/0720/0740 UTC**

00389 00200 43548 23294 45520 24349 36792 01913 35565 12209  
29110 78676 77098 00441 96753 33787 95372 49390 13618 78741  
79052 04933 94581 99769 24521 76912 50960 95326 58294 30903  
62543 18125 42539 59162 97779 64311 99960 62309 82879 05401  
35091 38506 91299 35930 05472 69994 06697 94052 89391 39139  
53425 36702 26962 37752 61321 84387 85299 67882 74733 21528  
58172 97154 18534 90799 78304 36887 09099 86443 71019 20322  
16719 29727 14832 88807 01529 00270 02987 07774 47471 24009  
91146 53054 18172 74406 42188 59124 96285 63428 61594 33987  
63814 51736 76013 03792 78429 25355 69032 12912 24094 66942  
27849 02270 47527 03960 89754 78774 29576 31750 83902 22891  
14477 14645 41326 61330 72425 17681 01408 67349 92986 37259  
79465 21122 64821 52660 20045 38931 38864 46949 77686 58805  
47025 78477 01963 05363 55235 39138 92897 51736 15690 82907  
00552 25578 96920 25324 15462 69672 55525 07444 06532 77935  
19253 64336 40200 76813 26567 35355 93823 32593 72966 10774  
32590 54240 58643 27494 06329 67852 97030 09995 57608 36752  
01685 11937 33365 34560 53719 10284 99761 45915 24165 85410  
44588 92594 24952 85972 06388 69733 52521 02589 82629 38093  
78360 48966 26050 88825 26974 30991 64799 34287 79088 38373  
05438 95165 20072

**18038/17474/16286 kHz, 22-04, 0910/0930/0950 UTC**

09163 00001 00000 33267

**15881/14481/13381 kHz, 22-04, 1500/1520/1540 UTC**

01779 00001 00000 41260

**15819/14919/13919 kHz, 23-04, 1600/1620/1640 UTC**

03740 00001 00000 34657

**18038/17474/16286 kHz, 24-04, 0910/0930/0950 UTC**

09180 00001 00000 31671

**15859/14659/13459 kHz, 25-04/27-04, 0910/0930/0950 UTC**

00314 00046 64611 23448 41875 77562 84302 57959 81897 56213  
09589 67805 44260 88917 71101 55968 15888 72139 83028 18204  
41460 41516 04948 16376 28638 89541 99441 12629 87023 32510  
19722 77978 15643 92277 76917 16951 27421 97661 70856 07917  
52693 52296 26023 77995 52203 54551 20133 69876 30314

**15819/14919/13919 kHz, 25-04, 1600/1620/1640 UTC**

04976 00001 00000 40663

**15881/14481/13381 kHz, 27-04, 1500/1520/1540 UTC**

03941 00001 00000 36257

**17462/16114/14828 kHz, 27-04, 1900/1920/1940 UTC**

09009 00001 00000 36261

**14538/13538/12138 kHz, 28-04/30-04, 1800/1820/1840 UTC**

06738 00024 38033 90435 45013 48964 63406 91111 48075 95462  
15736 29643 08579 40199 30421 52431 26893 60547 66240 24387  
79776 13974 18723 46578 81080 39211 36147

**18038/17474/16286 kHz, 29-04, 0910/0930/0950 UTC**

09575 00066 30598 86573 78887 58659 55800 84148 57873 24906  
03707 57390 17429 26132 26959 29690 31205 90737 43696 50860  
34766 10679 39152 71448 65588 77854 28987 44194 59150 15880  
54427 89482 87037 96501 05505 68808 09687 71854 20222 38880  
40605 83853 59729 45166 12892 29522 51466 05844 77565 80650  
66884 85776 60017 82020 56610 51022 66895 30024 70615 25070  
38330 21905 17124 44371 69275 66494 81638 80765 15011

**15881/14481/13381 kHz, 29-04, 1500/1520/1540 UTC**

00149 00118 40009 97045 13721 43968 00770 13631 66507 55503  
79929 04185 83675 18004 28500 62005 72748 27396 79158 40052  
42439 16548 83390 80119 26186 23291 78830 68169 36221 38815  
57145 56160 74886 37395 76262 29604 80508 90130 73033 81025  
35858 11098 85931 00586 18768 68812 00490 23556 42199 51851  
00150 40388 79789 47196 78324 82870 22526 49400 39300 04060  
29483 61551 90483 19446 97325 08128 01605 52154 37998 63503  
10614 76718 44957 26243 36002 73923 74380 78795 34615 78122  
80894 79740 94712 50969 99437 21572 84642 35842 47066 87783  
94904 52495 06943 15052 65536 20644 14419 09820 19321 45953  
45359 05845 57695 37799 30587 57017 64434 03109 60943 96389  
20665 63912 61990 70192 42744 29017 69284 72570 21771 50079  
54551

**15819/14919/13919 kHz, 30-04, 1600/1620/1640 UTC**

02733 00001 00000 36255

**XPB1**

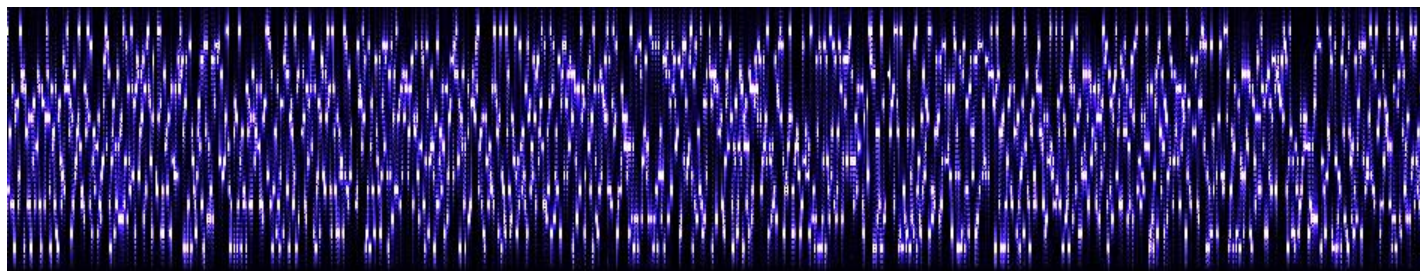
New designator: XPB1.

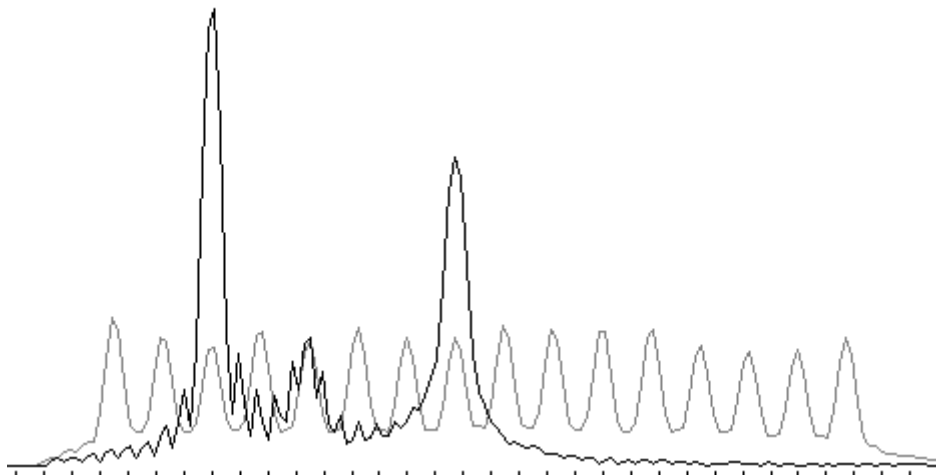
This is the Russian MFSK-16 mode mentioned last month, formerly logged under the generic Russian diplo/intel code M42.

Description (source Priyom.org)

- Russian Intel Multitone System MFSK-16
- Tones spaced by 175 Hz, ranging from 540 Hz to 3165 Hz.
- Four possible symbol rates: 16 Bd, 33 Bd, 66 Bd or 132 Bd (approximate).
- No outstanding intro or outro sequence, but the first minute of transmissions is always the same random-looking, LFSR-generated tone sequence.
- Unlike other stations in the family, transmissions are not 3 repeats spaced by 20 minutes, but can be for example 6 repeats spaced by 10 minutes.
- First noted circa 2014, first stable schedule noted in 2018.

Recording <http://numbersoddities.nl/XPB-2019-04-14-1930utc.mp3>





#### Logs:

13447, 12147 , 11547, 10447, 9347, 8147 kHz, 07-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16  
 13447, 12147 , 11547, 10447, 9347, 8147 kHz, 14-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16  
 13447, 12147 , 11547, 10447, 9347, 8147 kHz, 16-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16  
 13447, 12147 , 11547, 10447, 9347, 8147 kHz, 21-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16  
 13447, 12147 , 11547, 10447, 9347, 8147 kHz, 28-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16  
 13447, 12147 , 11547, 10447, 9347, 8147 kHz, 30-04, 1900, 1910, 1920, 1930, 1940, 1950 UTC, MFSK-16

## DIPLOMATIC STATIONS

### North Korean diplomatic stations

12203 kHz, 2-4, 0702 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
8308 kHz, 2-4, 0716 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
10849 kHz, 3-4, 1559 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
6952 kHz, 9-4, 1154 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12105 kHz, 18-4, 1203 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB
12203 kHz, 18-4, 1205 UTC	North Korean diplo i.p.	DPRK-ARQ 600 LSB

### Egyptian diplomatic stations

17416.7 kHz, 1-4, 1430 UTC, SITOR-A 100/170	Egyptian diplo i.p. Ended with HJKJ US KJG KDDR YKKKKKKK+
16223.7 kHz, 10-4, 0801 UTC, SITOR-A 100/170	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi
18051.7 kHz, 17-4, 0819 UTC, SITOR-A 100/170	MFA Cairo clg KKQT: unid Egyptian embassy
18050 kHz, 17-4, 0821 UTC, Codan Chirp/Codan-16-tone	99904: MFA Cairo msg to 33320: unid Egyptian embassy
16286.7 kHz, 17-4, 0947 UTC, SITOR-A 100/17	MFA Cairo i.p.
17416.7 kHz, 17-4, 1420 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
17415 kHz, 17-4, 1422 UTC, Codan Chirp/Codan-16-tone	99910: MFA Cairo msg to 66601: Egyptian embassy Washington

## UTILITY ROUND-UP

### Japanese Army

**2421 kHz, 16-04, 1321 UTC, CW**

PÛPÛ wkg 11 Outstations: PÛÂZ, PÇPÇ, PÂMP, PÂDÇ : PÛÛR, PÛVZ, RÛSÛ, PÛÇP, RÛÂM, RÛDÂ, RÛÛÇ.

PÂÂR is the Collective Callsign

## US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

Date	UTC	Callsign	Details
01-04	0527	Washburn	30 chr EAM for Part One YRXOZL FCK6YSU2ZVSRQTTFFHIW6HXS3
01-04	0555	Washburn	30 chr EAM LRJ6LT VTNQPL3HVDD5KWYGK76WLTYP
01-04	2117	Washburn	30 chr EAM LRAPBA 4GXCNMAGFUQUC3M4V6O7QYHL
02-04	1303	Ice House	65 chr EAM YR32RE DM2C3Z6G6SGFFIWWQACY5SMKQVI26DHH42BHJGYBHGHHYBHH4YBHJBYDHGDX
02-04	1548	Ice House	36 chr EAM YRPVWA DDONVDJYEE4B3OE4B3HQG5CRL76ES
02-04	1635	Ice House	43 chr EAM YRR5BU GKJAME6WQY6HRYOQBLHQY6HCVB6SQM3QZGAUU
02-04	1640	Ice House	30 chr EAM YRQ5JM RRRFFPATV3EWX27BHVW2QF6M
02-04	1706	Ice House	30 chr EAM LRPCIC UIEQAFYPMQFSALFHYLQFUTBI
02-04	1947	Ice House	30 chr EAM LRKFZ6 NN4N373W7Z3A2DXLXDWEFLI4
02-04	2150	Ice House	30 chr EAM LR2NNT PVSFMCCKW2UXGQV3KBIX2G7BY
03-04	0316	Big Play	30 chr EAM LRFNF4 JX3O56N6GCZTZW5MLHWEI47Y
03-04	0534	Big Play	30 chr EAM LRUQJO ELO6QSGHD4KZIW44S63GB24
03-04	0642	Big Play	30 chr EAM LR7YZD CSSPNJTVVO3NNTZND6CD3SKS
03-04	0706	Big Play	30 chr EAM LRRUIT QTJ53Y74VQYMURTPJC7YDUAS
03-04	0715	Big Play	30 chr EAM LRRUIT QTJ53Y74VQYMURTPJC7YDUAS
03-04	0951	Big Play	30 chr EAM LR2FBO TWPXINEKVOR6U3DALEACT23X
03-04	1449	Big Play	30 chr EAM LRCZFS TVUK7VVDNS2666TZUVMGVCJV
03-04	2216	Big Play	30 chr EAM LRDAO3 4MSQVP6EL7LYVRYKP4V5RZNU
04-04	0305	Keyring	Skyking msg: Nirvana time 05 auth GF
04-04	0605	Keyring	30 chr EAM LR43IC FKJNACFPB45NXB7WGE3OP2Q
04-04	0631	Keyring	30 chr EAM LRVP2J 7HCE6HG4ECXRKOSJKK6D7PLY
04-04	0635	Keyring	50 chr EAM YRITME G3MLNEBRZNHPHDXFDYWZNIY6BEZN666BONWX3ZWUUVLUW
04-04	0639	Keyring	30 chr EAM LRT3DL 44FIUNWKCKIWGPT3FXQHGPV3
04-04	0643	Keyring	30 chr EAM LRC55B BR7XJH5UKAJXYJUCSGLBJ7PN
04-04	1018	Keyring	30 chr EAM for Rotainer YRPWXG A5FHTNHHSBPVKYOO073P7Q3TS
04-04	1032	Keyring	30 chr EAM for Rotainer YRNZE5 UZ33R5HA3AADGAJU4B2F36G4
04-04	1043	Keyring	30 chr EAM for Rotainer YRRVE7 MOHO33AMF5Z15KXMFASIM7OK
04-04	1500	Keyring	52 chr EAM YRAPGZ K3VQ5ZSVETOZ23LGSLMLROHU4ZM75FLKI7EUGI56VGFOD7
04-04	1513	Keyring	52 chr EAM YRAPGZ K3VQ5ZSVETOZ23LGSLMLROHU4ZM75FLKI7EUGI56VGFOD7
04-04	1519	Keyring	30 chr EAM YRI4Q2 455NMWQB5V7DYOOXSY4Y4Y37
04-04	1530	Keyring	52 chr EAM YRAPGZ K3VQ5ZSVETOZ23LGSLMLROHU4ZM75FLKI7EUGI56VGFOD7
04-04	1551	Keyring	30 chr EAM LRMHC5 2S76ODCWKYC3SVUERHVBVAX2
04-04	1555	Keyring	30 chr EAM LRKE6C GKOEYEF4OU3BRIRYN3YRIOT6
04-04	1559	Keyring	52 chr EAM YRAPGZ K3VQ5ZSVETOZ23LGSLMLROHU4ZM75FLKI7EUGI56VGFOD7
04-04	1611	Keyring	30 chr EAM YRECGV YYPVREYV73XM4R2K7RK7VUAD
04-04	1615	Keyring	30 chr EAM LRIGX7 6RKHO2ATOLNTVC54OJ4COA3Z
04-04	1629	Keyring	52 chr EAM YRAPGZ K3VQ5ZSVETOZ23LGSLMLROHU4ZM75FLKI7EUGI56VGFOD7
04-04	1634	Keyring	30 chr EAM LR4QHU TOD3GAXLQHIFK7TANLAZH6WG
04-04	1703	Keyring	30 chr EAM for Hammeth YRYVGG LQAXLWHY5ENIRP33ZGPOGME6
04-04	1718	Keyring	30 chr EAM for Hammeth YRRK4F BQJICBLUP242N2RT3IXEEZS4
04-04	1747	Keyring	30 chr EAM for Third-19 YRBLAQ G6KR7UIJUNBQEOAM75J2RZHB
04-04	1804	Keyring	30 chr EAM for Hammeth YRQC25 7L6BEOREE7UHCPC3U6PDWDQG
04-04	1816	Keyring	30 chr EAM LROZ76 U4B6B4A6PNTUIKMC3TTYU3C6
04-04	1822	Keyring	30 chr EAM for Hammeth YR7VFP 4XRQSXH73E64HK64OUT5PXGQ
04-04	2016	Keyring	30 chr EAM LRZWIC I4FHQOPS3DFIWT45QPZ4P5G2
04-04	2127	Keyring	30 chr EAM LRNDMH DYGFCDP6LHQ6WCGKLVQPQ6
04-04	2145	Keyring	30 chr EAM LRBXO2 4WFBFDUP4AWMOTNTQCJXTVYN
04-04	2148	Keyring	30 chr EAM LR2L3C FSZFVO356KVCHT42AX4ACZLQ
04-04	2151	Keyring	30 chr EAM LRJRX5 BPKIYI7TQ3SRACQBMMYOJ6KW
04-04	2154	Keyring	30 chr EAM LRSX64 OOZV2JNWM7DTYP77HZ7H2XQU
05-04	0446	Subsonic	30 chr EAM LRPYZZ GLJDJQLOGLA337M3U3EPJ3IB
05-04	0455	Subsonic	30 chr EAM LRR5GU XKPJRTUWKE7YWYRVCQZGQHK4



05-04	0458	Subsonic	30 chr EAM LRR5GU XKPJRTUWKE7YWYRVCQZGQHK4
05-04	0502	Subsonic	30 chr EAM LRSX64 OOZV2JNWM7DTYP77HZ7H2XQU
05-04	0505	Subsonic	Skyking msg Corn time 05 auth UG
05-04	0521	Subsonic	30 chr EAM LRYH6W 2KZULZHI4JSC3271KU7KFSUW
05-04	0524	Subsonic	30 chr EAM LRDLOW GFIVRYQLJ6B2NTL7H5WJVPVSX
05-04	0528	Subsonic	30 chr EAM LRP4HX ABC2LQBUHFWY5UBJVODY24P7
05-04	0601	Subsonic	30 chr EAM LRP4HX ABC2LQBUHFWY5UBJVODY24P7
05-04	0631	Subsonic	30 chr EAM LRP4HX ABC2LQBUHFWY5UBJVODY24P7
05-04	0730	Subsonic	30 chr EAM LRP4HX ABC2LQBUHFWY5UBJVODY24P7
05-04	1633	Subsonic	30 chr EAM LRZSAI M6XIHBPUENPF4ISUTYZHOAC
05-04	2119	Subsonic	30 chr EAM for King Mackerel YRVF2G ANQIJHBJ2FIJILLC6DSHNFME
06-04	0134	Black Ink	30 chr EAM LRUDVC NUZ77LRDTL6HTMZD7UENG2OV
06-04	0347	Black Ink	30 chr EAM LRRHBT FYQCDHCAKHY5WMVFYWLW75AJN
06-04	1352	Black Ink	30 chr EAM for Work YREKVT TGGAZBM6YKPS67HDUQBFHRNQ
06-04	1424	Black Ink	30 chr EAM LRB2VC ZE2PICGGMN26ISLDE5CUVR6L. Started with the 25th character
06-04	1430	Black Ink	30 chr EAM LRQ34E DZQKSCIFSYLEVAE2M4VCKLH
06-04	1433	Black Ink	30 chr EAM LRQ34E DZQKSCIFSYLEVAE2M4VCKLH
06-04	1435	Black Ink	30 chr EAM LRB2VC ZE2PICGGMN26ISLDE5CUVR6L
06-04	1540	Black Ink	30 chr EAM LRM74T OPNH5BYFRR16HQYWTU3OBGLS
06-04	1452	Black Ink	30 chr EAM LR57YD 3EOY6E4BDOGD2VFSKKG7BWH
06-04	1456	Black Ink	30 chr EAM LRQW3A HDBHN7WP5Q73FD6OOUL4X6NE
06-04	1459	Black Ink	30 chr EAM LRQW3A HDBHN7WP5Q73FD6OOUL4X6NE
06-04	1502	Black Ink	30 chr EAM LR57YD 3EOY6E4BDOGD2VFSKKG7BWH
06-04	1504	Black Ink	30 chr EAM for King Mackerel YRA7CB ZYLKFSFMPSGWG2ES63Q2F5G3
06-04	1507	Black Ink	30 chr EAM LRQW3A HDBHN7WP5Q73FD6OOUL4X6NE
06-04	1509	Black Ink	30 chr EAM LR57YD 3EOY6E4BDOGD2VFSKKG7BWH
06-04	1513	Black Ink	30 chr EAM LRYPAL NXLIJQRC5BVV5HJYR3XHXYZCF
06-04	1516	Black Ink	30 chr EAM LR4IU4 UB32Q3FDOPSTQ4NM6616OHFQ
06-04	1519	Black Ink	30 chr EAM LRQW3A HDBHN7WP5Q73FD6OOUL4X6NE
06-04	1521	Black Ink	30 chr EAM LR57YD 3EOY6E4BDOGD2VFSKKG7BWH
06-04	1524	Black Ink	30 chr EAM LRM74T OPNH5BYFRR16HQYWTU3OBGLS
06-04	1532	Black Ink	30 chr EAM for Work, for King Mackerel YR7SNQ CPF27C3TIAFHTMH5TAY7PZS6
06-04	1548	Black Ink	30 chr EAM for Work YRYH4T SVBSDC7Q4I5TDA6AC6PBN4QB
06-04	1605	Black Ink	36 chr EAM YRBNT5 5AR7G2V2KI3IG5OBNXGPFEDZBEXUOW
06-04	1731	Black Ink	30 chr EAM for Work YRXL1W FYD3UFS65KCRKJHBJXB5CXMT
06-04	1747	Black Ink	30 chr EAM for King Mackerel YRQAPD 25EFRWZXAIQ6C4B5S2DFUV5A
06-04	1757	Black Ink	30 chr EAM for Work YRIQYC DF3TUMXIITIEMEY23J5WKTGS
06-04	1933	Black Ink	30 chr EAM for King Mackerel YRPJWG ZD2VHC6EFYMH2HZMNFVC4N55
06-04	1945	Black Ink	30 chr EAM for Work YRS44X JBAGJH6S7RD6ATQKKB2BSKRO
06-04	2009	Black Ink	30 chr EAM for Work YRHUX3 FZDGBVFLXQP7ROSM4XYYY32D
06-04	2153	Black Ink	30 chr EAM for Work YRTRA5 4XAXOYMQOGNKGZJTWJYABPML
06-04	2226	Black Ink	30 chr EAM for Work YRMTKE DJBJV7PNT45C5LYPXWXWNOZM
07-04	1350	Challenge	30 chr EAM for Absent YRRZQG PRDMZZ6SQGWIXMYVT5U6BZZ2
07-04	1428	Challenge	30 chr EAM for Absent YRTA2R 3KLBDAAJT2CTU4YWDTCUFGHA
07-04	1530	Challenge	30 chr EAM LRWKBE EEEHKETCQ7CHMQFD34GT7ZU2
07-04	1621	Challenge	30 chr EAM for Cantina UBX5VM SR2CAQIHVOR4KTD5G7VTL45X
07-04	1947	Challenge	30 chr EAM for Brick-37 UBSC2U ELDS5HCYOPPBKNKHORTZG2IK5
07-04	2016	Challenge	30 chr EAM LRHFXT GUF2IWIGAFFGADNBBSKZFUAUO
08-04	0220	Top Rider	30 chr EAM LRJQF6 BSITVPXGQSC4ZNQLI2NVOCE5
08-04	1545	Top Rider	30 chr EAM LR5TN5 E6LGQ4WT433U657KDREXJ2ID
08-04	1740	Top Rider	52 chr EAM UBFGK3 WKK4EYCAAV7LOR3E2K7PY67Y5ENNHUVHGKZ5ENYRMQLKDD
08-04	1822	Top Rider	36 chr EAM UBUKJP 3AUPU7YNZZG3U2W36UOUWQYOGNUCO4
08-04	1838	Top Rider	36 chr EAM UBEEI6 TXISFSL3Q3UMPLK6A7CBPSXLCPGEL4
08-04	2146	Top Rider	30 chr EAM LRYOGY EYATEJFEWPUVO45XA7KYUS6V
09-04	0115	Wire Barb	41 chr EAM UBE7LB 5TG62I2W2GTDQ4F7V3GF7C32XTLN5DZD23S
09-04	0149	Wire Barb	30 chr EAM UBKDU7 QL5YADHW5FEKUBTKGZFHYSFG
09-04	0158	Wire Barb	30 chr EAM LR3K4E WOR6K5K6ZEDISTJSI6A2JQSO
09-04	0200	Wire Barb	30 chr EAM LR3K4E WOR6K5K6ZEDISTJSI6A2JQSO
09-04	0633	Wire Barb	50 chr EAM UB7KEH M5HKQK4QLJDG5LZM4ZOLJWMVMXLI7TVMG6D6KHNQT7YL
09-04	0642	Wire Barb	30 chr EAM UB7KEH M5HKQK4QLJDG5LZM4ZOLJWMVMXLI7TVMG6D6KHNQT7YL



09-04	1347	Wire Barb	30 chr EAM UBD3BN no message heard
09-04	1404	Wire Barb	30 chr EAM UB2YH6 HASCCMQYE6UVZ23J6WZDNVFR
09-04	1442	Wire Barb	30 chr EAM LRBKZN BXEJN4G3ZUFDNSWZH3ERTKXU
09-04	1509	Wire Barb	30 chr EAM LR2W52 LLT2GQD4LZ2KVWUWPMNETQDH
09-04	1513	Wire Barb	30 chr EAM LRLGRX KDCBLDVLQDNWA2XDXBPSWEIR
09-04	1741	Wire Barb	30 chr EAM LRF5QH GGT4DKGLT5ZXPRTWQBFE6YI
09-04	1825	Wire Barb	36 chr EAM UBSUHS 7PCDHKN2EEOLQX7HDCFM4P66X2JY3F
09-04	2043	Wire Barb	30 chr EAM LR3VNO SX3RQIK2R4G6JXHQRGBAXDTY
09-04	2203	Wire Barb	30 chr EAM for Adjourn-51? UBPSIU LXIJBOAAKU3CPBWIP52WXOQQ
09-04	2216	Wire Barb	30 chr EAM LRPWBM EBAY2TN4HXEPT6CTPGE6YXRJ
09-04	2228	Wire Barb	30 chr EAM LRCWX6 QIJSXXOFLYV56QBMYNM6RUG
09-04	2233	Wire Barb	30 chr EAM LR47BV CFYD5YERQPESGTGU3NLZHDB4
09-04	2238	Wire Barb	30 chr EAM LRN72W MC6WIDZV3J33N7BJ3IF7JLPI
09-04	2249	Wire Barb	30 chr EAM LR5C45 IZ7TJDDYQL4D4GAMNDZ5RQBA
10-04	0532	Ben Hogan	30 chr EAM LRGN3A 5ZNTSXF2EI6ZLJCVCCKSO47NU
10-04	0541	Ben Hogan	30 chr EAM LR3LPR B6R5HT4LGEUSNR7OPZRIUNHG
10-04	1555	Ben Hogan	30 chr EAM LR7KWI LB4SY24EAL3NLK2JLAIU6LOW
10-04	1947	Ben Hogan	30 chr EAM LRKVH2 S3WVQTWLPSSIUICSHVZV2R7G
10-04	2233	Ben Hogan	30 chr EAM LRYKLG HUJQGTCTX7WETJMIZIVTRYW
11-04	0554	Rough Gem	30 chr EAM LRUS5G 5LHTEWRML3YEKX74XRLZ5ID
11-04	0601	Rough Gem	30 chr EAM LRCRG7 YIVE2RN4FBBU5EXASUHGZV2M
11-04	0613	Rough Gem	30 chr EAM LRNMX6 WNUPTTEFEIDMF6ZVWVHYS5QA4
11-04	0618	Rough Gem	30 chr EAM LRN6YA 2E6EGL7DU4U7LIG6ZF4GIHYA
11-04	1333	Rough Gem	36 chr EAM UBHUPC W3UIW6UJLYOO2NR3ZKTUQTQSO36542
11-04	1512	Rough Gem	52 chr EAM UB6Q2G E3SM3JVF3D3LCTEC33GW53JGGA5OKPPC33TWU7MAZ7BV4RW
11-04	1521	Rough Gem	30 chr EAM for Dizzy Dean UB5ILJ HQRUK6ZIKVTZX4XT4EWHJZ3P
11-04	1540	Rough Gem	30 chr EAM LRP75N 5FUJTTJTVRC3AKEN52TWA7S4
11-04	1544	Rough Gem	30 chr EAM LRJPXC AOJAMAO2ZCL6KGFZNPWIEQZS
11-04	1602	Rough Gem	30 chr EAM UB4HKE VN4LBVL67XLQGIUFWWWJ6GEF
11-04	1605	Rough Gem	30 chr EAM LRJPXC AOJAMAO2ZCL6KGFZNPWIEQZS
11-04	1607	Rough Gem	30 chr EAM LRFLF4 UMTA4MDBJXW22VTFJTAWJGHK
11-04	1610	Rough Gem	30 chr EAM LRP75N 5FUJTTJTVRC3AKEN52TWA7S4
11-04	1947	Rough Gem	30 chr EAM LRLYGI ZYQWGUURUN3YW62ACX7H4JZSN
11-04	2002	Rough Gem	30 chr EAM LRQJSE SL7UCVPNOSHV6XKZKP4PIRQS
11-04	2304	Rough Gem	30 chr EAM LRPH3P QO7N446PMG7L2MUBJWQ5WSRZ
11-04	2307	Rough Gem	30 chr EAM LRXNJI I2QGXA6XEXSMEAFUK7QN6LY
11-04	1623	Rough Gem	30 chr EAM LRADL4 BWJA3OVFI4GKU25N5CWPUPT6
12-04	0046	Jewel Box	47 chr EAM UBUICM IF7GZC7K35GUCBDSVZ4PZMVDB7IFQTPZMJGYMOW65
12-04	0131	Jewel Box	46 chr EAM UBYIMF AKPHY23R6DPCIJIRY5RKRTJTXEU62RKE3CGPGZSE
12-04	0145	Jewel Box	30 chr EAM LRA3GP 6BVNT3GRW2ZTCKIIXWYSUQC
12-04	0633	Jewel Box	30 chr EAM LRHDWS JYXRSXBMS43AWZVT7XYXSR5C
12-04	0640	Jewel Box	30 chr EAM LRBUB4 BATQEUWYEUN2ROPA6MXRMLAP
12-04	0717	Jewel Box	30 chr EAM LRQ6T2 RY2SVJCPJL7U4M3IHADST4QZ
12-04	1408	Jewel Box	30 chr EAM 2VPLNY V3QOEJGBIR4JWW76D3K3DY6T
12-04	1421	Jewel Box	30 chr EAM 2VVVKR GHRWWDAHBKWTM6CIN7J5Q3GD
12-04	1430	Jewel Box	30 chr EAM 2VVVKR GHRWWDAHBKWTM6CIN7J5Q3GD
12-04	1432	Jewel Box	30 chr EAM 2VPLNY V3QOEJGBIR4JWW76D3K3DY6T
12-04	1816	Jewel Box	30 chr EAM 2VMLJX 7EIZSBPXL66G6QRLPOSCQ5RF
12-04	2117	Jewel Box	30 chr EAM 2V3OSK PFL323EWH72S7V5LWLULXR3M
13-04	0023	Heckberry	40 chr EAM UBL5ZI QDJXILSLJ4TR5TMXGS4B6WXWLBTVWTX42
13-04	0032	Heckberry	30 chr EAM UBD6BZ BB727PY7JDGJMRFSJKWC6PP6
13-04	0058	Heckberry	30 chr EAM 2VJ2LO B2OJDUSF6JHXQUUZT5YVRCUP
13-04	0102	Heckberry	30 chr EAM 2VBJJG ADYCPGZ7FEQGRYJRTX7UFP6I
13-04	0122	Heckberry	30 chr EAM 2VZBAE DB6R6BPPSGYUV4KUREPTFI7C
13-04	0228	Heckberry	30 chr EAM 2VPSPY R7O2NW64ZK372U35A5N3HGYZ
13-04	0645	Heckberry	30 chr EAM 2VXGCL FA7BGL5BB3RDK3GXPH4HR6BT
13-04	1513	Heckberry	30 chr EAM 2VO3DD FCEENVWXRJFUTWDGXIQ5B2S
13-04	1605	Heckberry	30 chr EAM 2VDNJR RBIKTIOEYHGFSA3RGZ2YVMHU
13-04	1641	Heckberry	30 chr EAM 2VJ3NN LQRP2GGDVN5BXLQFHSTVYEFK
13-04	1815	Heckberry	30 chr EAM 2VZIWW FRDF45HV6MLA2ZPGZCJZKO7W

13-04	1818	Heckberry	30 chr EAM 2V5VXQ ZZOCXDOUOS4XACHG6U3TCFI6
13-04	2032	Heckberry	30 chr EAM 2VGOZT XYGZ45XISI5ZLLMEHOU4ROJ3
14-04	0642	Coupling	30 chr EAM 2V36L7 STIE6M2CNO6CVME3UZD4X2FP
14-04	0658	Coupling	30 chr EAM 2VZNGV YUDQXPWXQ3VWCMF7RTXNE2UI
14-04	0701	Coupling	30 chr EAM 2VGPSS XIUU6QRU6XVMJ57OXEI4Z7S
14-04	2206	Coupling	30 chr EAM 2VYIX5 FXRN2NRFDAXRYRZOSNZXRIY
14-04	2232	Coupling	30 chr EAM 2VUARW VLEHCLOTTCDIBVGNBCERH2IS
14-04	2302	Coupling	30 chr EAM 2V6A6J Y3H35HWPOEUSZAYF3SKFUPL6
15-04	2116	Corn Stalk	30 chr EAM 2VPQNG KEIZAEW7BQDMMOFUBICP2QNU
15-04	2145	Corn Stalk	30 chr EAM 2VA6EM GVJKBPVUXNYXGOSX3VTZPW72
15-04	2158	Corn Stalk	30 chr EAM 2V354S 4RWHGVCFRTFC7GQDQ47XQPA6
15-04	2221	Corn Stalk	30 chr EAM 2VMC7V FCDHWUHZ77DAZNYSQ67FCUPK
16-04	1405	Gold Rush	30 chr EAM UBNKWG N4MB6A6VKYRO2FWOALK74CTM
16-04	1442	Gold Rush	30 chr EAM 2VQDZC XKTTDKHFV7LPSCFNNIY5NEIC
16-04	2216	Gold Rush	30 chr EAM 2VVBG2 E3QYJAGZSUZI5LBXDWIOH4BE
17-04	0136	Infatuate	30 chr EAM UBO2HK 2SFOMVNBND7A65ST7UJSYV7
17-04	0217	Infatuate	30 chr EAM 2VU3WW THF6IF6JTSSWNDHCF3NLEXTZ
17-04	0224	Infatuate	30 chr EAM for Force-73, for Force-273 UB6625 EQFXG4N2IP5WQ6LAJWZQYEUF
17-04	1902	Infatuate	30 chr EAM 2VXLPN PTPEORM7HLSLM7I5TQEZXH2
17-04	1935	Infatuate	30 chr EAM 2VMXFG TLSKAY7MQWZT5SIF4LN7HA4Q
17-04	1938	Infatuate	30 chr EAM 2VF7HP 3XWKUA6FEEIXLIABIDRIUZB
17-04	2000	Infatuate	30 chr EAM 2VPZTZ VZLIGWKNIUGEPE5LU4NHCK7Y
17-04	2228	Infatuate	164 chr EAM LJEGVA AKVWEHD4FKSV7FA6CAZUAXCU4XETV666YXYFFFFYUUS3BQ2QE3SJJJORRIIIN2WUL2K2K DJHAA6IAA555XHC3ZIIUJUSGFFFL3F4444WASF7GTPSXXCWWWCCCCJJJJOSE3Q4AHHRRJYR RRYRBHHHHE3TOAZOID
18-04	0044	Colossal	54 chr EAM UBA7W FLVGTWW4KVXVTUSPNFJITYDP4JT757EA7FTYSZ7YHO77EQAK
18-04	0056	Colossal	30 chr EAM UBF63 DPBHABYCKSI2JPCBPVPPYPRZV
18-04	0101	Colossal	30 chr EAM UBRFAU IZVF23YAJMUTITAYYAQS47Y5
18-04	0125	Colossal	30 chr EAM 2V3G73 YBXOTADM4EYUUF2MD3EUFDP
18-04	0134	Colossal	30 chr EAM 2V7I7B HEK3SJ6GX4BAP53KZUBXEJ7P
18-04	0158	Colossal	30 chr EAM 2VPRBT TSSNQHRWAHTG6YG4KW5QHY76
18-04	0201	Colossal	30 chr EAM 2VYMPN ROCC5UPYIR2Z6HNOXTWDNAU7
18-04	1019	Colossal	30 chr EAM for Happy World UBQF42 LFHH3OMSHI636MJLGGVQYRF
18-04	1032	Colossal	30 chr EAM for Happy World UBDIOM OVRNQIZR44U6HT3AM32PZDDL
18-04	1747	Colossal	30 chr EAM for Done-74 UBXERK T4NC426OFWOZDS66TAOCVF6A
18-04	1816	Colossal	30 chr EAM 2VQQLF POFZA6IQVM4EGTUFPPWYLFJ6
18-04	1958	Colossal	30 chr EAM 2VLKZ6 ROLSK3CBWPLYSRJAXM3CFHUO
18-04	2028	Colossal	30 chr EAM 2VOYEK NDBIZS52YNHG3AH64EPYAXFZ
18-04	2041	Colossal	30 chr EAM 2V43QM 6YLUGVVZ344Q6S62AI6JHG2S
18-04	2114	Colossal	30 chr EAM 2VJ7W2 GFYSF6SJHCHYAIXZLHOP4UEB
18-04	2117	Colossal	30 chr EAM 2VHBGF CZRZ3FJQOGMZ3EFZ3H5SU2T4
19-04	0040	Race Track	36 chr EAM UB3DZS L6O2YVEDE6DPVYU37H7NZYHT5JO7DI
19-04	0112	Race Track	30 chr EAM 2VDRB6 VZYDWIXXDJ47ZYA5WXXSFQVG
19-04	0115	Race Track	30 chr EAM 2VM3IW UTRG3YRAIHQUKO5VSLQBVDAS
19-04	0129	Race Track	30 chr EAM UBEOV7 QHWA36POET7UEWSHMBL6TBVL
19-04	0132	Race Track	30 chr EAM 2VQRAN S6UVG46FFP5CHUJANXX2WUDL
19-04	0142	Race Track	30 chr EAM 2V26GD FQWBNHIMBLUOMS52BUILHU2S
19-04	0346	Race Track	30 chr EAM 2VATWN PHM2IG5MD24W7J4BE46XPUHK
19-04	1817	Race Track	30 chr EAM 2VI7X4 37AKDNRU7XQITFNRPKGL6FH
19-04	2017	Race Track	30 chr EAM 2VDC5N OYLLIMC42ITOGB2WTOIJ6SYQ
19-04	2250	Race Track	30 chr EAM 2VIO5B EYX3PHOZO5TQOQ2UC636KFNL
19-04	2253	Race Track	30 chr EAM 2VYERE IPSSY45DBQDQUFMIUTCERN2YK
19-04	2255	Race Track	30 chr EAM 2VFSQU TC6VNNRYS5ZDK3PGNHJNEU2
20-04	0050	Fly Fish	41 chr EAM UBHA4R 6SL3UZLHCP4LZ4ETPL4ETPODGGFWFIE26LV
20-04	0103	Fly Fish	30 chr EAM UBND02 IRERL7BZABYTU5P5LXN6QWDF
20-04	0113	Fly Fish	30 chr EAM UBYTGD P6OULKOTIFMHNER3T5346NU2
20-04	0132	Fly Fish	30 chr EAM 2VJCIW HYJLE2YQNANIPT6COZ4E6YNI
20-04	0159	Fly Fish	68 chr EAM UBKKA K2LFWQY5LJ7YPCVULCFHLPVF755HDNCQCDGV33VBNCBFX3JH2IBNCDHUCRPW5V

20-04	0224	Fly Fish	30 chr EAM 2VZ26R Q246DOZUZ2AFSQY3DGBNPILH
20-04	2002	Fly Fish	30 chr EAM 2VP7AM P2VQHCNR74BU7XPEV5SHPUWR
20-04	2112	Fly Fish	45 chr EAM UBCW56 OC2JPOZZGJFN4FVSTXBMAKBULYPLTN3B4TN3FO
21-04	1635	Surfside	36 chr EAM UB5744 5YSYK6AST5HZLWAMQFKZRJCHCNFQTW
21-04	1707	Surfside	36 chr EAM UBCRRX WSHUUDLU4T3FQ2U7UOYXQYI6CFRLUT
21-04	2056	Surfside	30 chr EAM 2VTPDL ALAPT4DMZVMEZ24DP4WX63C7
21-04	2215	Surfside	30 chr EAM 2VEEAZ WQHVVUJUJE4Q5OLRDWWCXI7KU
21-04	2218	Surfside	30 chr EAM 2VEEAZ WQHVVUJUJE4Q5OLRDWWCXI7KU
21-04	2346	Surfside	30 chr EAM 2VXE4 27X6ANAQKMAYPTB4MBOQACY
22-04	0216	Curly Top	30 chr EAM 2V3QRR 6GJOB4OGDOXHX4DDX3SL5XJ7
22-04	0219	Curly Top	30 chr EAM 2V3QRR 6GJOB4OGDOXHX4DDX3SL5XJ7
22-04	0222	Curly Top	Skyking msg: Corn time 22 aut RA
22-04	1433	Curly Top	30 chr EAM 2VWPYG NNKWARQKNLANF6JBDQZ2XVWU
22-04	1540	Curly Top	30 chr EAM 2V63I5 PMSK4HYN6BHLR76CQTKELHG
22-04	1946	Curly Top	30 chr EAM 2V5AC4 O2N4274U4GCDATIZUTHRUY4
22-04	2116	Curly Top	30 chr EAM 2VLDOB NPQ3Y6DINKEZAGD7HNVWKOBOQ
22-04	2311	Curly Top	30 chr EAM 2VKOYK NNREUDGDFXY4SFZMVG7ROEFB
23-04	0111	Bad Girl	41 chr EAM UBFOTX RNJIKGNWNBHDT7YAFXP5GBAX7BZ6RYL3LMN
23-04	0141	Bad Girl	30 chr EAM UBFFRJ 2U4COLBQ2W2WU6S6XPYI5EW
23-04	0146	Bad Girl	30 chr EAM 2VXWOF JKPVBOSN43NBW235NHHVYQG4
23-04	0155	Bad Girl	30 chr EAM 2V7F4T X6AQUOQ7LLITABA6YUOJ2TQR
23-04	0215	Bad Girl	30 chr EAM 2V6GVO NB4J47WFE6PW7REFJ3PUSMKR
23-04	1400	Bad Girl	30 chr EAM UBI6II V2YHAPOFLCR7W5KTV4NNDCS2
23-04	1403	Bad Girl	30 chr EAM UBRQY3 WIWDSWEZDZX6SW45T2F2FM47
23-04	1407	Bad Girl	30 chr EAM UBUYEW IADRGOT72RULSNWZ4CIWUT2
23-04	1832	Bad Girl	30 chr EAM 2VWEPF ZPZRKFAZ2RN2YZ44VBB7TJO4
23-04	2113	Bad Girl	30 chr EAM 2V4WWT I7QLJRM3KFRTZ5EXJUGJEOCT
23-04	2116	Bad Girl	30 chr EAM 2VSDTS RRASJNQTNW23NQFWL3HFVTS
23-04	2119	Bad Girl	30 chr EAM 2VWMFV E3GRULRQKQ2I26I7SYZ473B6
23-04	2135	Bad Girl	30 chr EAM 2VO7FL AF5U67FO67VFISGFJ7NHTUFR
23-04	2138	Bad Girl	30 chr EAM 2VRFXJ RJN6YQDJWVEIEWSSKB7FWT3A
23-04	2145	Bad Girl	30 chr EAM 2V4JN6 BE4SMFDYS27Z5M2UGC5GUAKP
23-04	2232	Bad Girl	214 chr EAM LJ4DTP 2A5K6LXQU7D3C2W62AVBH4EWW3EET6WDGCCCCR6ELEIGREGYQQ733QODDD4UYQ SKYYLWETT6V6XVVVVVIAFGXWSEETB4436P6EHHHHZ4PRY2J4KE46SOWIO5TORGIZH7Z2I EBZWWTSXNHOFV2O4L44447YD3TTVZTTCZ3IU3UIHHHHUKTSUUEQLNCESGQQGQHHHHI R2UIVAMY
23-04	2252	Bad Girl	30 chr EAM 2VPWTC EDDGRNU3IQGTGNBYGHX6O4NU
24-04	0051	Off-Hand	36 chr EAM UBKSY AGHERVTM3TMGZWRVIS3M37DS6GYQQ2
24-04	0112	Off-Hand	30 chr EAM for Picknick UB4SAF OBWDAALKLSSAQ57TGJRHYAG
24-04	0155	Off-Hand	30 chr EAM UBPKKH R2BEL3IJ4TY6DJDDHLDACNVC
24-04	0217	Off-Hand	30 chr EAM 2VFL3I UWGDNYJLR7S73DBEBBMFNATR
24-04	0412	Andrews	Skyking msg: Waterboys time 12 auth DF
24-04	0547	Andrews	Skyking msg: Corn time 47 auth AG
24-04	1034	Off-Hand	128 chr EAM LJY4CK JAIDSCUDPDEIA47DC7GWTIDDGSKWYFJ4GPAZHAXCCMXXTXVBVBVYFFFFVUDJ5ZAUST4L VBAGBPXQT2CND7HCF62BMG2LSF7R75TGXKCGJG47JJJDS2YZZCC6
24-04	2116	Off-Hand	30 chr EAM 2VQGWV Y2KENJSPEST3AZ7PDFAMX6TW
24-04	2217	Off-Hand	30 chr EAM 2VFMUZ 2W6LVN53TC2IRPUGSYRD2VX6
25-04	0032	Tank Car	52 chr EAM UBPJKR 4YVDKI7CKN37RE5UEIMCJ7TKXYHDSA5UERM77T5JKM5GM
25-04	0128	Tank Car	Skyking msg: Waterboys time 28 auth EA
25-04	0130	Tank Car	30 chr EAM 2V3ZJV CGKINEVIHXONYAJAXC4WZ3NI
25-04	0134	Tank Car	30 chr EAM 2VOMMS 7LJNQYBHMW7KJDXFUZCXNWPS
25-04	0208	Tank Car	30 chr EAM 2VDVJ5 WEGRRXHQMONT3JTALGVPO2EG
25-04	0535	Tank Car	40 chr EAM UBNX6M OI3I3N6WKLYBAW12W3B56FDGLNYQNRNDVW
25-04	0544	Tank Car	30 chr EAM UB6TIQ ANKACI3NSL74DE5N2H7QX4PO
25-04	0547	Tank Car	30 chr EAM UB6TIQ ANKACI3NSL74DE5N2H7QX4PO
25-04	0554	Tank Car	30 chr EAM 2VCGW5 4VTFQJGCEJYMHV5CCYEDTPX
25-04	0557	Tank Car	30 chr EAM 2VZOOW QGEQY6GOBLCX6GEGVK6ZJNFL
25-04	0615	Tank Car	30 chr EAM 2VC3DJ G63ASN6LKS2WPSF2YBE4Y3WM

25-04	0626	Tank Car	30 chr EAM 2VUVQF XRAVI6W447XDIOMZGMRE436C
25-04	1307	Tank Car	30 chr EAM for Bush Glory UBTI5P MT5JV5UMRXLWQJ3EZBSAOXJ
25-04	1358	Tank Car	30 chr EAM 2VT4QM GPIV3HBZBGQQ35M3DHJKROPF
25-04	1445	Tank Car	52 chr EAM UBVMPK AZFOO7AIQIKHRHLU2NU2F7NBVCQS53LU27UIDIKZ7YHIVX
25-04	1509	Tank Car	30 chr EAM UBZZGM BYK77WMWMKG2FWI5YLD5KYOF
25-04	1533	Tank Car	30 chr EAM 2VK2ZX Z23ZHEX75J2UC6URM5VHD4XY
25-04	1537	Tank Car	30 chr EAM 2VOHBY NCJZSRUOYIIH244BOLRB6ES7
25-04	1545	Tank Car	30 chr EAM UBE4AU ZRLSSBETUAV2X5A2ID4PHDTW
25-04	1551	Tank Car	30 chr EAM 2VHNKA CCOJW22OQASRJFAXNR2VSZDY
25-04	1706	Tank Car	30 chr EAM for Bush Glory UBRTG4 LFB5PBZ2ZCYUXCZ5K2VATLHS
25-04	1710	Tank Car	30 chr EAM 2VJUKU 5QYPUHBGOQW5EINWQVU2D4KO
25-04	1739	Tank Car	30 chr EAM 2VJUKU 5QYPUHBGOQW5EINWQVU2D4KO
25-04	1746	Tank Car	30 chr EAM for Amused-46 UB7NK6 W32UZ53OGLU6UDOZ7N3HBKMC
25-04	1758	Tank Car	30 chr EAM 2VG7WY 7KURX77U5D5NENVBS6NCTXGF
25-04	1801	Tank Car	30 chr EAM 2V52JV PVAHKINXG22D62I66U3VBH6N
25-04	1805	Tank Car	30 chr EAM 2VJUKU 5QYPUHBGOQW5EINWQVU2D4KO
25-04	1818	Tank Car	30 chr EAM 2VOJFQ ODLI3PU44BGBTAGZYFUIDF2X
25-04	2012	Tank Car	30 chr EAM 2VEVLI 7VJACKC6QBCY6GVFYJQK4DX7
26-04	1429	Star Day	30 chr EAM 2VXRVA AUDOSPUZMZKV3A3NLFJAHBSH
26-04	1443	Star Day	30 chr EAM 2V4DS2 VHSEE7OSBHA6NPTWA4OAEHW
26-04	2116	Star Day	30 chr EAM 2V4XNT VSNNL46FKZVC2R5EVCZRUGW6
28-04	1430	Courtland	30 chr EAM 2VOEG3 CRTQA6OW33WSG7J24GAYW4BX
28-04	1441	Courtland	30 chr EAM 2VYQNM FLFPWRZDMYJTTE4YAOZQTEF6
28-04	1455	Courtland	30 chr EAM 2VA243 24MIQH2ZFC3L37PUJA7S4BAN
28-04	1459	Courtland	30 chr EAM 2VA243 24MIQH2ZFC3L37PUJA7S4BAN
28-04	1503	Courtland	30 chr EAM for Boss-64 UB2HRU 7T5EWAELV5GXKOQQ3NT36HQQ
28-04	1506	Courtland	30 chr EAM 2VYQNM FLFPWRZDMYJTTE4YAOZQTEF6
28-04	1508	Courtland	30 chr EAM 2VOEG3 CRTQA6OW33WSG7J24GAYW4BX
28-04	1532	Courtland	30 chr EAM 2VSMMLD 34O2HLEPYOZWPU2EGA7UF634
28-04	1713	Courtland	38 chr EAM LJAFW 7KBJSTQF2KFCZRLBNLGNJPZZTTOG6UAD
28-04	1948	Courtland	30 chr EAM for Enzo-64 UBXAYW Z4U3IZQ2PBGPTTJQRE3WZQZS
28-04	2123	Courtland	30 chr EAM 2V46L3 JNHPVLC6JWJQCJ44S24ITXPM
28-04	2134	Courtland	30 chr EAM 2VTFW3 JK2DKHON2PF2NLSICFK6P3ML
28-04	2156	Courtland	30 chr EAM 2VQMVV AV2TQDK6VJ4TPNJIIFRJAN5e
28-04	2159	Courtland	30 chr EAM 2VFENN YIU27B2U3AKHMT6VBMSOFNMU
28-04	2237	Courtland	30 chr EAM 2VPYRU U2ZX6CXE3E7EYAIMTNW6URGK
28-04	2240	Courtland	30 chr EAM 2VSWD3 YCJDQUQVWSZPPIOEKOGTUNES
28-04	2246	Courtland	30 chr EAM 2VOBGH 26RE3QEPBE6ATIJXXZBTZ6XG
29-04	0216	Mercator	30 chr EAM 6MZCB6 L3EO6JQNC2KYX3VOT7RTGMK2
29-04	0248	Mercator	Skyking msg: South Beach time 48 auth ER
29-04	0419	Mercator	Skyking msg: Pink Floyd time 19 auth TY
29-04	0457	Mercator	30 chr EAM 6MVDL2 OO6GOYGCQ3Z7GJNJIWOKHNMA
29-04	0509	Mercator	30 chr EAM 6MBDTZ 4C6SWWPV6H3WFQBNVZYJ623X
29-04	0518	Mercator	30 chr EAM 6M7XH7 HY7HESFV53PUZEQX53ICER3X
29-04	0522	Mercator	30 chr EAM 6MMHOU 2XIXVRGXT4TYC3BJ2KRAE34K
29-04	0546	Mercator	Skyking msg: The Cure time 46 auth NS
29-04	1513	Mercator	30 chr EAM 6MQXUR LFNQ2MJMLG6OOMMFP34JCSPL
29-04	1530	Mercator	30 chr EAM 6MQXUR LFNQ2MJMLG6OOMMFP34JCSPL
29-04	1545	Mercator	30 chr EAM 6MRUP7 ECVODLD6BHDJVB0E3GHW7AQ
29-04	1657	Mercator	52 chr EAM UBIHLO YVFEFOAU6V2MGI3KNC23KN7XLEHDJZKKCBGLE2DJYJVPR6
30-04	0133	Dockyard	30 chr EAM 6MKD34 WYRXYRMVFOYPO5MWDXHN7YGA
30-04	0345	Dockyard	30 chr EAM 6MZZ7A VIC6XQJJNYRQVDL4EDU7TMEG
30-04	0415	Dockyard	30 chr EAM 6MUXF4 63UT7SYF276DYIGPQ24EMPHT
30-04	0428	Dockyard	30 chr EAM 6MU7XQ VJLK4MATZPF6ATMKK73OFSQP
30-04	0431	Dockyard	30 chr EAM 6METOC LZIITGDVJJ6727WNGPDCMGBV
30-04	0448	Dockyard	30 chr EAM 6M5OIS 3CH2DQJBPN2PGJDGEQBSFKU
30-04	0454	Dockyard	30 chr EAM 6MSQEH NFGXAX4CGZAY2MAH7Q2NEY6X
30-04	0505	Dockyard	30 chr EAM 6MNOFS 56HOKGLHNXVBC2F66MBY4R7W
30-04	0507	Dockyard	30 chr EAM 6M2LLB IZRQKQ3HLIRXUO543XWDYTLX
30-04	0511	Dockyard	30 chr EAM 6M2CZ7 EOD77VFQBTLMZZOYIAXOLRQ



30-04	0829	Dockyard	84 chr EAM LJWHO 76SJY3LVDJD7CJPBURE4EW7F26QE7EHNOXG55QQR77773KKRBLLWAHL674GP6T2LCHD C7EPR7DNN2
30-04	1154	Dockyard	30 chr EAM 6MAK5T XBYCLC7YZM3KEDDKKGCJE6HT
30-04	1202	Dockyard	30 chr EAM for Storage UBRXM6 BILDP6LC2CSIE3TYR5JEC7XA
30-04	1222	Dockyard	30 chr EAM for Storage UBMZED F3HMMHKR6C57NUZCNVEIB77F
30-04	1242	Dockyard	30 chr EAM for Storage UBLYBD 4RAEE6ZQV2POVDKSHKVTAYTA
30-04	1322	Dockyard	30 chr EAM 6MLJ2P Y6YKVLBH3AIUFY764I5JOF6A
30-04	1442	Dockyard	30 chr EAM 6MV2CV 7NDK5EYT7KX3JIBRJNOA2B2N
30-04	1459	Dockyard	30 chr EAM 6MV2CV 7NDK5EYT7KX3JIBRJNOA2B2N
30-04	1511	Dockyard	30 chr EAM 6M4RUD YSJTOEOCJIDTHM4BQOU7KSLJ
30-04	1529	Dockyard	30 chr EAM 6M4RUD YSJTOEOCJIDTHM4BQOU7KSLJ
30-04	1715	Dockyard	30 chr EAM for Storage UMBUR XPSDEQLR4YK44KVS7KXFC5W
30-04	1730	Dockyard	30 chr EAM for Storage UBA2TY HUZNWG556TFRTMRT2CHJ2VYY
30-04	1748	Dockyard	30 chr EAM for Storage UBHLTL URMZRZSUWVDBU5W5OV2ZFNIH
30-04	1905	Dockyard	30 chr EAM UBTZLF 45P3UE6NDHAF6XE4OUPQ4JSW
30-04	1932	Dockyard	30 chr EAM 6MJWDG BFSSZAOPE3BUGH33HF4XRWMB
30-04	1937	Dockyard	30 chr EAM 6MJWDG BFSSZAOPE3BUGH33HF4XRWMB
30-04	1941	Dockyard	30 chr EAM 6M5QNM S7TERZPCJ4X6Y7UF4ZXHUFBJ
30-04	1957	Dockyard	30 chr EAM 6M5QNM S7TERZPCJ4X6Y7UF4ZXHUFBJ

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AB, JPL, F5JBR, WP3, Gwr.

### Strategic messages

#### Russian Air Force

5293 kHz, 09-04, 0959 UTC	XXX XXX 1ShchRF 1ShchRF 34101 POMADNYJ 2227 6163
5293 kHz, 09-04, 1003 UTC	XXX XXX 1ShchRF 1ShchRF 65058 MOLOChES 0834 5995 DOZhOHARCh 8767 4565
5293 kHz, 09-04, 1019 UTC	XXX XXX MSK7 MSK7 89647 OFITOGUMA 1696 9785
5293 kHz, 09-04, 1032 UTC	XXX XXX MSK7 MSK7 54646 ZNAKOKRAT 5188 9626
5293 kHz, 09-04, 1033 UTC	XXX XXX MSK7 MSK7 64626 MINNYJ 9324 1828
5293 kHz, 09-04, 1034 UTC	XXX XXX MSK7 MSK7 78469 RAMOSHIFR 6114 0761
5293 kHz, 09-04, 1036 UTC	XXX XXX MSK7 MSK7 16963 SULA 2661 5793
5293 kHz, 09-04, 1038 UTC	XXX XXX MSK7 MSK7 03098 ROVREMENNYJ 3944 0814
5293 kHz, 09-04, 1053 UTC	XXX XXX MSK7 MSK7 39808 RAZREZhEN'E 6853 6393
5293 kHz, 09-04, 1100 UTC	XXX XXX 1ShchRF 1ShchRF 15616 SPIRITOVAN'E 0378 7161
5293 kHz, 11-04, 1034 UTC	XXX XXX 1ShchRF 1ShchRF 22202 SUDOWOJ 1020 3678 K
5293 kHz, 11-04, 1137 UTC	XXX XXX 1ShchRF 1ShchRF 14696 TONChAJShIJ 9218 6682 K
5293 kHz, 11-04, 1157 UTC	XXX XXX 1ShchRF 1ShchRF 58713 REKRUTSKIJ 1129 3804 K
10653.5 kHz, 17-04, 0924 UTC	XXX XXX 1ShchRF 1ShchRF 88668 WIZOWYJ 5804 7858 K
10653.5 kHz, 17-04, 0930 UTC	XXX XXX 1ShchRF 1ShchRF 97982 OBODOLEP 6189 6373 MEDOGRACH 6481 8475 K
10653.5 kHz, 17-04, 0940 UTC	XXX XXX 1ShchRF 1ShchRF 04912 PACIFIZM 1263 5409 K
10653.5 kHz, 17-04, 0944 UTC	XXX XXX 1ShchRF 1ShchRF 83878 TONOSH LAM 2699 6205 K
10653.5 kHz, 17-04, 0955 UTC	XXX XXX 1ShchRF 1ShchRF 03510 UDAROTREK 0792 0505 EWISHchODOG 0194 5829 K
10653.5 kHz, 17-04, 1014 UTC	XXX XXX 1ShchRF 1ShchRF 42551 ZhOROSNOP 4834 2424 SWINCEWAN'E 4209 8664
	TERNOLUCK 8591 4799 SKATOROK 7063 5381 K
10653.5 kHz, 17-04, 1019 UTC	XXX XXX 1ShchRF 1ShchRF 60226 LOBOMAI 7832 2166 K
10653.5 kHz, 17-04, 1038 UTC	XXX XXX 1ShchRF 1ShchRF 52016 PUTChOGERC 8326 3802 K
10653.5 kHz, 17-04, 1053 UTC	XXX XXX 1ShchRF 1ShchRF 96342 MOTOHREN 6954 8048 K
10653.5 kHz, 17-04, 1115 UTC	XXX XXX 1ShchRF 1ShchRF 49846 WYGIBAN'E 5382 4034 IKSOSheJH 3712 3781 K
10653.5 kHz, 17-04, 1125 UTC	XXX XXX 1ShchRF 1ShchRF 61135 TIBROPLYaZh 9819 5161 K
7515.5 kHz, 17-04, 1218 UTC	XXX XXX 1ShchRF 1ShchRF 06027 TYaNUSchchIJ 8332 5130 K
7515.5 kHz, 17-04, 1237 UTC	XXX XXX 1ShchRF 1ShchRF 31641 WEEROSKAL 6949 0664 K
10653.5 kHz, 30-04, 0859 UTC	XXX XXX 1ShchRF 1ShchRF 34676 POSTOFRA 9817 5332 K
10653.5 kHz, 30-04, 0903 UTC	XXX XXX 1ShchRF 1ShchRF 1ShchRF 97320 WALAAMOW 0106 3358
	LUBOWOPO 4968 1454 K
10653.5 kHz, 30-04, 0917 UTC	XXX XXX MSK7 MSK7 00349 SOUSOROW 1011 4733 K

10653.5 kHz, 30-04, 0923 UTC	XXX XXX MSK7 MSK7 40894 SORBIT 3806 5377 K
10653.5 kHz, 30-04, 0933 UTC	XXX XXX MSK7 MSK7 44082 RIFOSAP 1758 4490 K
10653.5 kHz, 30-04, 0935 UTC	XXX XXX MSK7 MSK7 58942 NAGRADA 3150 2889 K
10653.5 kHz, 30-04, 0936 UTC	XXX XXX MSK7 MSK7 29109 NESPEshNOST' 6995 0793 K
10653.5 kHz, 30-04, 0938 UTC	XXX XXX MSK7 MSK7 36554 OTITOMAYaK 8066 7032 K
10653.5 kHz, 30-04, 0944 UTC	XXX XXX MSK7 MSK7 08195 WUZOGALS 7141 6595 SPOLZANIE 3650 2889
	TWERSKOJ 6995 0793 MNOGOLE 8066 7032 K
10653.5 kHz, 30-04, 0948 UTC	XXX XXX MSK7 MSK7 03599 SNOBOZhaR 2948 3969 K
10653.5 kHz, 30-04, 0957 UTC	XXX XXX 1ShchRF 1ShchRF 30382 DWUHLETOK 1275 0172 K

#### Russian Navy

7815 kHz, 10-04, 0800 UTC	XXX LR43 TEHNIÔESKAÂ PROWERKA 592 K
7815 kHz, 10-04, 0804 UTC	RBL88: XXX LR43 TEHNIÔESKAÂ PROWERKA 592 K
	RFN77 and RGR99 acknowledge receipt
4384 kHz, 11-04, 0917 UTC	XXX RLO ÉLASTÖNYJ 0310 9536 0043 1212 K K
7457 kHz, 22-04, 0727 UTC	RIT: XXX RLO WETER 3 PO RAJONAM 67 672 673 674 675 OTMENÄETSÄ K

#### Russian Army

8417 kHz, 10-04, 1245 UTC	XXX TRHD ...49 LITOCIRK 7282 2876 K
4376 kHz, 11-04, 1145 UTC	XXX ANWF 73263 EWTINIÄ 9131 7265 K
3362 kHz, 16-04, 1333 UTC	XXX 9DWY FTYV 15421 INOKOBAKS 4455 4065 K
3362 kHz, 16-04, 1352 UTC	XXX 9DW7 FTYV 05276 KORTOPIK 8379 2552 K

## Monolith Stations

### S30 Pip

5448 kHz, 11-04, 1144 UTC	8S1Shch 64038 ANORTIT 1576 0155
5448 kHz, 11-04, 1337 UTC	Dlya: ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC
5448 kHz, 17-04, 1103 UTC	8S1Shch 05547 INOKOBLYuM 4529 6195
5448 kHz, 17-04, 1117 UTC	8S1Shch 61453 IMBIR' 3277 4237
5448 kHz, 17-04, 1220 UTC	8S1Shch 09517 KUMOVATT 0350 5140
5448 kHz, 24-04, 1400 UTC	8S1Shch PRILYeZhNYJ SYeYaTYeL' (the code words refer to a light system)
5448 kHz, 25-04, 1234 UTC	8S1Shch Proverka vyzova 4321 1234
	<a href="http://priyom.org/media/217242/s30-5448usb-20190425-1234z-proverkavyzova-bygwraspe.ogg">priyom.org/media/217242/s30-5448usb-20190425-1234z-proverkavyzova-bygwraspe.ogg</a>
5448 kHz, 30-04, 0904 UTC	8S1Shch 19946 66747 83548 44212 GYeRCOBUR 4325 5523 LOBOK 2528 2712
5448 kHz, 30-04, 1117 UTC	8S1Shch 72636 VPUTYVANIYe 8830 4149
5448 kHz, 30-04, 1214 UTC	8S1Shch 19242 BAL'ZAMNYJ 3795 2902

### S32 Squeaky Wheel

5473 kHz, 11-04, 1148 UTC	Al'fa-45 79425 OBUHORUL' 2773 9405
5473 kHz, 17-04, 1107 UTC	Al'fa-45 97367 IDIShOKVIT 4336 3719
5473 kHz, 17-04, 1122 UTC	Al'fa-45 42637 KLIKOSYeKS 0616 2294
5473 kHz, 17-04, 1224 UTC	Al'fa-45 84637 OBLADAN'E 4562 6658
5473 kHz, 24-04, 1404 UTC	Al'fa-45 PRILYeZhNYJ SYeYaTYeL'
5473 kHz, 25-04, 1240 UTC	Al'fa-45 Proverka vyzova 4321 1234
	<a href="http://priyom.org/media/217245/s32-5473usb-20190425-1240z-proverkavyzova-bygwraspe.ogg">priyom.org/media/217245/s32-5473usb-20190425-1240z-proverkavyzova-bygwraspe.ogg</a>
5473 kHz, 30-04, 1122 UTC	Al'fa-45 99007 KOZYR' 9885 7841
5473 kHz, 30-04, 1219 UTC	Al'fa-45 58577 AFONIYa 6876 3110

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

### RMv – Russian Military

6296.5 kHz, 22-04, 0732 UTC PRAKOS-39 clg PARIS-04 TAMAR-29 BAROK-28 ALGON-09 GRANIT-68 (comms checks)

RNV – Russian Navy

6866 kHz, 28-04, 0730 UTC PIGMENT clg MALBIRT (only calling)

RADV – Russian Air Defense

4380 kHz, 10-04, 0714 UTC Tracking net

4449 kHz, 22-04, 0649 UTC Tracking net

4124 kHz, 11-04, 0908 UTC Tracking net

## ***M32 - Russian / CIS Military CW Stations***

**13404 kHz, 13-04, 0813-0835 UTC, i.p.**

31100 496 = 877 =

11111 26464 93588 28962 34969 84739 99532 06302 83487 60883 17566 40339 59135 67477 76881 48310 80440 13017 K

Q92D DE QUV7 K

QUV7 = 96191 31100 496 K

QUV7 QUV7 = 877 K

RK RK RK RK RK RK

QUV7 K

QUV7 QRV K

QUV7 R 483 SK

HQWA DE QUV7 K

QUV7 Q0CK

721 16 13 1120 721 = 499 704 = 3155 3209 8226 2101 3625 6643 5161 0117 7383 2152 6172 3648 0588 13 13 K

3SOS DE QUV7 K

QUV7 Q0CK

QUV7 67220 13 1126 575 = 266 = 58150 14635 74256

QUV7 = 57520 31126 575 K

QUV7 = 266 K

58150 14635 74256 33878 90362 46846 12744 66089 25712 82195 38679 10853 64199 23821 83442 39927 99548 56032 13018

Y92D DE QUV7 K

QUV7 Q0CK

QUV7 121 24 13 1130 121 = 309 =

PPPPP BGSER UIMSR ÖMAUS RGLRP ÖMAUS GGLRP ÖMAUS RGLRP TNHAV QNLPK CETNZ

HWINM BJTSA GWDSB ENRBF QNAUO OLLKG GWPQL ZNUEW QÖJUM QHEZÖ ÄEPWW

QUV7 QRV K

**5157.5 kHz, 14-04, 0844 UTC, i.p.**

JZD9 DE K78K SK

OCVH DE K78K K

K78K DE OCVH K (Both stations on this frequency)

QSA 1

QSA 1 QSA ? K

QSA 1 K

QTC K

QRV K

K78K 697 20 13 1145 697 =

043 =

11111 00970 809

BK ... BCRPT AA 2 K

K78K =

00970 80859 82928 98196 59852 ...

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

### **8816 kHz, 08-04, 0612 UTC**

RJF94 RJC38 DE 52955 QTH 16638 13539 QTR 0608 QBG 5800 QRE XLAA 0700 K  
QQM XLAA 0702 SK

### **8816 kHz, 08-04, 0811 UTC**

RJF94 RJC38 DE 52955 QTO 0800 QRD  
XLWF XLAA QRE 0940 QBD 0445 K  
QTH 16132 13857 QTR 0853 QBG 5500 QRE XLWF 0945 K  
QQM XLWF 0940 SK

### **8816 kHz, 08-04, 1133 UTC**

RJF94 RJC38 DE 52955 QTO 1124 QRD  
XRRC XLWF QRE 1520 QBD 0450 K  
QTH 15559 13748 QTR 1228 QBG 5500 K  
QTH 15223 13855 QTR 1329 QBG 5800 K  
QTH 14949 14109 QTR 1416 QRE XRRC 1520 K  
QQM XRRC 1534 SK

### **8816 kHz, 08-04, 1140 UTC**

RJF94 RJC38 DE 52955 QTO 1122 QRD  
XUMO XLMD QBD 1115 QRE 1422 K  
QQL ULPE 1217 QBG 8550 K  
QAY XLPB 1253 QBD 0830 K  
QQL ULWC 1322 QBG 7300 QRE XUMO 1420 K

### **8816 kHz, 10-04, 0845 UTC**

RJF94 RJC38 DE 52956 QTO 0831 QRD XUMO XLMD QRE 1230 QBD 0450 K  
QQL ULPE 0947 QBG 5800 K  
... QQL ULWC 1149 QRE XUMO 1335  
QQM XUMO 1235 SK

### **8816 kHz, 10-04, 1444 UTC**

RJF94 RJC38 DE 52956 QTO 1431 QRD XLMD XUMO QRE 1815 QBD 0450 K  
QQL ULWC 1532 QBG 6100 K  
QAY XLPB 1612 K  
QQL ULPE 1656 QRE XLMD 1810 K  
QQM XLMD 1815 SK

### **8816 kHz, 10-04, 1828 UTC**

RJF94 RJC38 DE 45385 QTO 1800 QRD XLMD XLLV QBD 0500 QRE 1945 K  
QTH 16619 13336 QTR 1910 QBG 9150 QRE XLMD 1945 K  
QQM XLMD 1945 SK

### **8816 kHz, 12-04, 0638 UTC**

RJF94 RJC38 DE 52955 QTO 0600 QRE XUMO XRKE QRE 0900 QBD 0450 K  
QTH 14949 14109 QTR 0714 QBG 5500 K  
QTH 15222 13855 QTR 0801 QRE XUMO 0905 K  
QQM XUMO 0858 SK

### **8816 kHz, 12-04, 1024 UTC**

RJF94 RJC38 DE 52955 QTO 1013 QRD XLAA XUMO QRE 1315 QBD 0450 K  
QAY ULWC 1112 QBG 5800 K  
QTH 16132 13857 QTR 1149 QRE XLAA 1250 K  
QQM XLAA 1254 SK



**8816 kHz, 12-04, 1418 UTC**

RJC38 RJF94 DE 09919 QQM XRKE 1418 SK

**8816 kHz, 12-04, 1410 UTC**

RJF94 RJC38 DE 52955 QTO 1353 QRD XLMD XLAA QRE 1550 QBD 0450 K  
QTH 16617 13652 QTR 1436 QBG 5500 QRE XLMD 1600 K  
QQL XLMF 1519 K  
QQM XLMD 1602 SK

**8816 kHz, 16-04, 0835 UTC**

RJF94 RJC38 DE 54485 QQL XRRM 0743 QBD 7300 K  
QQL UUOL 0832 QBD 0740 K  
QQL XUMU 0908 QBG 8550 K  
QQL ULWC 0946 QBD 0700 K  
QQL ULPE 1100 QBD 0600 QRE XLMD 1210 K  
QQM XLMD 1208 SK

**8816 kHz, 16-04, 1215 UTC**

RJF94 RJC38 DE 45385 QTO 1203 QRD XLWF XRKE QBD 0500 QRE 1430 K  
QTH 15250 13938 QTR 1320 QBG 8550 QRE XLWF 1420 K  
QQM XLWF 1433 SK

**8816 kHz, 16-04, 1550 UTC**

RJF94 RJC38 DE 52955 QTO 1543 QRD  
XLAA XLMD QRE 1735 QBD 0430 K  
QTH 16635 13814 QTR 1635 QBG 5800 QRE XLAA 1715 K  
QQM XLAA 1708 SK

**8816 kHz, 16-04, 1600 UTC**

RJF94 RJC38 DE 45385 QTO 1543 QRD XLMD XLWF QBD 0500 QRE 1720 K  
QTH 16324 13536 QTR 1630 QBG 9150 QRE XLMD 1720 K  
QQM XLMD 1743 SK

**8816 kHz, 19-04, 0828 UTC**

RJF94 RJC38 DE 54485 QTO 0817 QRD XRKE XRFI QBD 0615 QRE 0925 K  
QQM XRKE 0920 SK

**8816 kHz, 19-04, 1217 UTC**

RJF94 RJC38 DE 54485 QTO 1210 QRD XLMD XRKE QBD 1030 QRE 1725 K  
QQL XRRM 1253 QBG 7300 K  
QQL XUOI 1323 QBD 0800 K  
QQL UUDD 1418 QBG 8550 K  
QQL ULWC 1504 QBD 0645 K  
QAY XLPB 1536 QBG 7300 K  
QQL ULPE 1614 QBD 0545 QRE XLMD 1720 K

**8816 kHz, 19-04, 1715 UTC**

RJF94 RJC38 DE 54483 QTO 1700 QRD XLWF XLMD QRE 1920 QBD 0800 K  
QQL ULPE 1759 QBD 0620 K  
QAY XLPB 1829 QBD 0530 QRE 1915 K  
QQM XLWF 1907 SK

**8816 kHz, 30-04, 0804 UTC**

RJF94 RJC38 DE 54483 QTO 0800 QRD XLMD XLAA QRE 0920 QBD 0420 K  
QQM XLMD 0925 SK

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

**8029 kHz, 08-04, 0620 UTC** Bear net: W-marker, also at 0640 UTC

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	6309	10-4	0733	Wed	North Korean military i.p. 975. 2 15278 86870 73468 45721 AR ABV NR 06 CK ..K6 = 4.29 9.592 15278 86870 73468 45721 AR .6870 NIL SK	CW	(JPL-CHN)
---	4933	16-4	1312	Tue	North Korean Military i.p. 6W3 de 53G QRU SK	CW	(F5JBR)
DPRK	12203	2-4	0702	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	8308	2-4	0716	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	10849	3-4	1559	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	6952	9-4	1154	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12105	18-4	1203	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	18-4	1205	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	15645	4-4	0500	Thu	951 803 62 70049 32865 70138 ... 34716 94572 67019 803 62 00000	USB	(AB-RUS/HFD-RUS)
E06	17470	4-4	0600	Thu	951 803 62 70049 32865 70138 ... 34716 94572 67019 803 62 00000	USB	(AB-RUS/HFD-RUS)
E06	5186	4-4	2030	Thu	891 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB)
E06	15645	5-4	0500	Fri	951 803 62 70049 32865 70138 ... 34716 94572 67019 803 62 00000	USB	(AB-RUS)
E06	17470	5-4	0600	Fri	951 803 62 70049 32865 70138 ... 34716 94572 67019 803 62 00000	USB	(AB-RUS)
E06	5197	5-4	2130	Fri	634 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 0000	USB	(AB/RL-HOL)
E06	15645	18-4	0500	Thu	951 437 62 91217 99013 67600 ... 94740 52228 70826 437 62 00000	USB	(AB-RUS)
E06	17470	18-4	0600	Thu	951 437 62 91217 99013 67600 ... 94740 52228 70826 437 62 00000	USB	(AB-RUS)
E06	5195	19-4	2130	Fri	634 967 42 45678 68475 69385 ... 23648 23936 26389 967 42 0000	USB	(AB)
E06	11454	22-4	0210	Mon	537 608 42 92245 ...	USB	(HFD)
E06	14456	22-4	0310	Mon	537 608 42 92245 ...	USB	(HFD)
E07	15819	1-4	1900	Mon	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB-RUS/MPJ)
E07	14419	1-4	1920	Mon	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB-RUS/MPJ)
E07	12219	1-4	1940	Mon	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB-RUS/BW3)
E07	17453	2-4	0700	Tue	446 1 233 97 11702 ...	USB	(HFD)
E07	18453	2-4	0720	Tue	446 1 233 97 11702 ...	USB	(HFD)
E07	19653	2-4	0740	Tue	446 1 233 97 11702 ...	USB	(HFD)
E07	20574	2-4	1100	Tue	504 504 504 000	USB	(AB-RUS/MPJ- RUS/HFD-RUS)
E07	19074	2-4	1120	Tue	504 504 504 000	USB	(AB-RUS/MPJ/HFD)
E07	15819	3-4	1900	Wed	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB- RUS/MPJ/RL/HFD)
E07	14419	3-4	1920	Wed	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/MPJ/RL/HFD)
E07	12219	3-4	1940	Wed	842 827 142 827 142 65226 59083 59225 ... 58716 08532 17575 000 000	USB	(AB/RL/HFD)
E07	9064	4-4	1300	Thu	024 024 024 000	USB	(HFD)
E07	10264	4-4	1320	Thu	024 024 024 000	USB	(HFD)
E07	17453	5-4	0700	Fri	446 446 446 1 233 97 233 97 11702 54565 77885 ... 54740 72500 51943 000 000	USB	(AB-RUS)

E07	18453	5-4	0720	Fri	446 446 446 1 233 97 233 97 11702 54565 77885 ... 54740 72500 51943 000 000	USB	(AB-QAT)
E07	19653	5-4	0740	Fri	446 446 446 1 233 97 233 97 11702 54565 77885 ... 54740 72500 51943 000 000	USB	(AB-QAT)
E07	20574	5-4	1100	Fri	504 504 504 000	USB	(AB-RUS/MPJ)
E07	19074	5-4	1120	Fri	504 504 504 000	USB	(AB-RUS/MPJ)
E07	9064	6-4	0600	Sat	024 024 024 000	USB	(AB/HFD)
E07	10264	6-4	0620	Sat	024 024 024 000	USB	(AB/HFD)
E07	15831	6-4	1430	Sat	893 893 893 000	USB	(MPJ)
E07	9064	7-4	0600	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	7-4	0620	Sun	024 024 024 000	USB	(AB/MPJ)
E07	9064	7-4	1300	Sun	024 024 024 000	USB	(AB)
E07	10264	7-4	1320	Sun	024 024 024 000	USB	(AB)
E07	13417	7-4	1700	Sun	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000	USB	(AB/MPJ/HFD)
E07	12117	7-4	1732	Sun	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000	USB	(AB/MPJ/HFD)
E07	10717	7-4	1804	Sun	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000 stopped at group 175, resumed with group 166	USB	(AB/MPJ/HFD)
E07	15819	8-4	1900	Mon	842 842 842 000	USB	(AB-RUS/MPJ)
E07	14419	8-4	1920	Mon	842 842 842 000	USB	(AB/MPJ)
E07	17453	9-4	0700	Tue	446 446 446 000	USB	(AB-AUT)
E07	18453	9-4	0720	Tue	446 446 446 000	USB	(AB-AUT)
E07	20574	9-4	1100	Tue	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-AUT/MPJ)
E07	19074	9-4	1120	Tue	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-AUT/MPJ)
E07	17474	9-4	1140	Tue	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-AUT/MPJ)
E07	13417	10-4	1700	Wed	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000	USB	(AB/MPJ/BW3)
E07	12117	10-4	1732	Wed	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000	USB	(AB/MPJ)
E07	10717	10-4	1804	Wed	417 417 417 1 6882 250 6882 250 34013 20389 57139 ... 37678 27001 11466 000 000	USB	(AB/MPJ)
E07	15819	10-4	1900	Wed	842 842 842 000	USB	(AB-RUS/MPJ)
E07	14419	10-4	1920	Wed	842 842 842 000	USB	(AB/MPJ)
E07	9064	11-4	1300	Thu	024 024 024 000	USB	(AB/MPJ/RL)
E07	10264	11-4	1320	Thu	024 024 024 000	USB	(AB/MPJ/RL)
E07	16331	11-4	1410	Thu	893 893 893 000	USB	(AB-AUT/MPJ)
E07	15831	11-4	1430	Thu	893 893 893 000	USB	(AB-AUT/MPJ)
E07	17453	12-4	0700	Fri	446 446 446 000	USB	(AB-RUS)
E07	18453	12-4	0720	Fri	446 446 446 000	USB	(AB-RUS)
E07	20574	12-4	1100	Fri	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-RUS/MPJ)
E07	19074	12-4	1120	Fri	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-RUS/MPJ)
E07	17474	12-4	1140	Fri	504 504 540 1 391 198 391 198 49332 05038 27074 ... 02139 77294 79487 000 000	USB	(AB-RUS/MPJ)
E07	9064	13-4	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	13-4	0620	Sat	024 024 024 000	USB	(AB)
E07	16331	13-4	1410	Sat	893 893 893 000	USB	(MPJ)
E07	15831	13-4	1430	Sat	893 893 893 000	USB	(MPJ)

E07	9064	14-4	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	14-4	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	14-4	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	14-4	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	13417	14-4	1700	Sun	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	12117	14-4	1720	Sun	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	10717	14-4	1740	Sun	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	15819	15-4	1900	Mon	842 842 842 000	USB	(AB-RUS/MPJ/RL)
E07	14419	15-4	1920	Mon	842 842 842 000	USB	(AB/MPJ/RL)
E07	17453	16-4	0700	Tue	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-RUS)
E07	18453	16-4	0720	Tue	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-RUS)
E07	19653	16-4	0740	Tue	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-RUS)
E07	20574	16-4	1100	Tue	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-QAT/MPJ)
E07	19074	16-4	1120	Tue	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-FIN/MPJ)
E07	17474	16-4	1140	Tue	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-RUS/MPJ)
E07	13417	17-4	1700	Wed	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	12117	17-4	1720	Wed	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	10717	17-4	1740	Wed	417 417 417 1 358 153 358 153 95208 92164 43476 ... 60085 79174 98262 000 000	USB	(AB/MPJ)
E07	15819	17-4	1900	Wed	842 842 842 000	USB	(AB-RUS/MPJ/RL)
E07	14419	17-4	1920	Wed	842 842 842 000	USB	(AB/MPJ/RL)
E07	9064	18-4	1300	Thu	024 024 024 000	USB	(AB/MPJ)
E07	10264	18-4	1320	Thu	024 024 024 000	USB	(AB/MPJ)
E07	16331	18-4	1410	Thu	893 1 331 49 72152 58705 10645 ... 90798 19829 02560 000 000	USB	(MPJ)
E07	15831	18-4	1430	Thu	893 1 331 49 72152 58705 10645 ... 90798 19829 02560 000 000	USB	(MPJ)
E07	17453	19-4	0700	Fri	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-QAT)
E07	18453	19-4	0720	Fri	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-QAT)
E07	19653	19-4	0740	Fri	446 446 446 1 264 89 264 89 46415 98054 81334 ... 00560 93423 99627 000 000	USB	(AB-QAT)
E07	20574	19-4	1100	Fri	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-RUS/MPJ)
E07	19074	19-4	1120	Fri	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-RUS/MPJ)
E07	17474	19-4	1140	Fri	504 504 504 1 485 26 485 26 41392 37701 90953 ... 27701 57139 25593 000 000	USB	(AB-RUS/MPJ)
E07	9064	20-4	0600	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	10264	20-4	0620	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	11464	20-4	0640	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	16331	20-4	1410	Sat	893 1 331 49 72152 58705 10645 ... 90798 19829 02560 000 000	USB	(MPJ)
E07	15831	20-4	1430	Sat	893 1 331 49 72152 58705 10645 ... 90798 19829 02560 000 000	USB	(MPJ)
E07	14831	20-4	1450	Sat	893 1 331 49 72152 58705 10645 ... 90798 19829 02560 000 000	USB	(MPJ)
E07	9064	21-4	0600	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	10264	21-4	0620	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	11464	21-4	0640	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	9064	21-4	1300	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)

E07	10264	21-4	1320	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	11464	21-4	1340	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	13417	21-4	1700	Sun	417 417 417 000	USB	(AB/MPJ)
E07	12117	21-4	1720	Sun	417 417 417 000	USB	(AB/MPJ)
E07	15819	22-4	1900	Mon	842 842 842 000	USB	(AB/MPJ/RL)
E07	14419	22-4	1920	Mon	842 842 842 000	USB	(AB/MPJ/RL)
E07	17453	23-4	0700	Tue	446 446 446 000	USB	(AB-RUS)
E07	18453	23-4	0720	Tue	446 446 446 000	USB	(AB-RUS)
E07	20574	23-4	1100	Tue	504 504 504 000	USB	(AB-RUS/MPJ-RUS)
E07	19074	23-4	1120	Tue	504 504 504 000	USB	(AB-RUS/MPJ)
E07	13417	24-4	1700	Wed	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB/MPJ)
E07	12117	24-4	1725	Wed	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB/MPJ)
E07	10717	24-4	1750	Wed	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB/MPJ)
E07	15819	24-4	1900	Wed	842 842 842 000	USB	(AB/MPJ/RL)
E07	14419	24-4	1920	Wed	842 842 842 000	USB	(AB/MPJ/RL)
E07	9064	25-4	1300	Thu	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	10264	25-4	1320	Thu	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	11464	25-4	1340	Thu	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB/MPJ)
E07	16331	25-4	1410	Thu	893 893 893 000	USB	(MPJ)
E07	15831	25-4	1430	Thu	893 893 893 000	USB	(MPJ)
E07	17453	26-4	0700	Fri	446 446 446 000	USB	(AB-RUS)
E07	18453	26-4	0720	Fri	446 446 446 000	USB	(AB-RUS)
E07	20574	26-4	1100	Fri	504 504 504 000	USB	(AB-RUS/MPJ)
E07	19074	26-4	1120	Fri	504 504 504 000	USB	(AB-RUS/MPJ)
E07	9064	27-4	0600	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	10264	27-4	0620	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	11464	27-4	0640	Sat	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	16331	27-4	1410	Sat	893 893 893 000	USB	(MPJ)
E07	15831	27-4	1430	Sat	893 893 893 000	USB	(MPJ)
E07	9064	28-4	0600	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	10264	28-4	0620	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	11464	28-4	0640	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	9064	28-4	1300	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	10264	28-4	1320	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	11464	28-4	1340	Sun	024 024 024 1 297 73 297 73 39552 61383 93531 ... 66025 78023 20081 09737 000 000	USB	(AB)
E07	13417	28-4	1700	Sun	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB)
E07	12117	28-4	1725	Sun	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB)
E07	10717	28-4	1750	Sun	417 417 417 1 317 178 317 178 35618 71080 14151 ... 32013 81719 43787 000 000	USB	(AB)
E07	15819	29-4	1900	Mon	842 842 842 000	USB	(AB/MPJ/RL)
E07	14419	29-4	1920	Mon	842 842 842 000	USB	(AB/GHn/MPJ/RL)

<b>E07</b>	17453	30-4	0700	Tue	446 446 446 000	USB	(AB-RUS)
<b>E07</b>	18453	30-4	0720	Tue	446 446 446 000	USB	(AB-RUS)
<b>E07</b>	20574	30-4	1100	Tue	504 504 504 1 252 40 252 40 51475 45887 65781 ... 90169 13737 69761 000 000	USB	(AB-RUS/MPJ-RUS)
<b>E07</b>	19074	30-4	1120	Tue	504 504 504 1 252 40 252 40 51475 45887 65781 ... 90169 13737 69761 000 000	USB	(AB-RUS/MPJ-RUS)
<b>E07</b>	17474	30-4	1140	Tue	504 504 504 1 252 40 252 40 51475 45887 65781 ... 90169 13737 69761 000 000	USB	(AB-RUS/MPJ-RUS)
<b>E07a</b>	8144	3-4	2000	Wed	197 197 197 000	USB	(AB/RL/HFD)
<b>E07a</b>	6944	3-4	2020	Wed	197 197 197 000	USB	(AB/RL/HFD)
<b>E07a</b>	6788	4-4	0430	Thu	741 741 741 000	USB	(AB/HFD)
<b>E07a</b>	7488	4-4	0450	Thu	741 741 741 000	USB	(AB/HFD)
<b>E07a</b>	12174	5-4	1510	Fri	102 102 102 000	USB	(AB/GHn/MPJ/RL- HOL/HFD)
<b>E07a</b>	11074	5-4	1530	Fri	102 102 102 000	USB	(AB/GHn/MPJ/RL- HOL/HFD)
<b>E07a</b>	12218	6-4	0800	Sat	244 244 244 000	USB	(AB)
<b>E07a</b>	13418	6-4	0820	Sat	244 244 244 000	USB	(AB)
<b>E07a</b>	8144	10-4	2000	Wed	197 197 197 000	USB	(AB/RL)
<b>E07a</b>	6944	10-4	2020	Wed	197 197 197 000	USB	(AB)
<b>E07a</b>	6788	11-4	0430	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	7488	11-4	0450	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	12174	12-4	1510	Fri	102 102 102 000	USB	(AB/MPJ)
<b>E07a</b>	11074	12-4	1530	Fri	102 102 102 000	USB	(AB/GHn/MPJ)
<b>E07a</b>	12218	13-4	0800	Sat	244 244 244 000	USB	(AB)
<b>E07a</b>	13418	13-4	0820	Sat	244 244 244 000	USB	(AB)
<b>E07a</b>	8144	17-4	2000	Wed	197 197 197 000	USB	(AB/RL)
<b>E07a</b>	6944	17-4	2020	Wed	197 197 197 000	USB	(AB/RL)
<b>E07a</b>	6788	18-4	0430	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	7488	18-4	0450	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	12174	19-4	1510	Fri	102 102 102 000	USB	(AB/MPJ)
<b>E07a</b>	11074	19-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
<b>E07a</b>	12218	20-4	0800	Sat	244 244 244 000	USB	(AB/HFD)
<b>E07a</b>	13418	20-4	0820	Sat	244 244 244 000	USB	(AB/HFD)
<b>E07a</b>	8144	24-4	2000	Wed	197 197 197 000	USB	(AB/RL)
<b>E07a</b>	6944	24-4	2020	Wed	197 197 197 000	USB	(AB/RL)
<b>E07a</b>	6788	25-4	0430	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	7488	25-4	0450	Thu	741 741 741 000	USB	(AB)
<b>E07a</b>	12174	26-4	1510	Fri	102 102 102 000	USB	(AB/MPJ)
<b>E07a</b>	11074	26-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
<b>E07a</b>	12218	27-4	0800	Sat	244 244 244 000	USB	(AB)
<b>E07a</b>	13418	27-4	0820	Sat	244 244 244 000	USB	(AB)
<b>E11</b>	5371	1-4	0450	Mon	414/00	USB	(AB)

E11	12089	1-4	0600	Mon	183/00	USB	(AB/HFD)
E11	12153	1-4	0640	Mon	941/00	USB	(AB)
E11	20286	1-4	1225	Mon	528/00	USB	(AB-POL)
E11	13470	1-4	1745	Mon	240/00	USB	(AB/MPJ)
E11	7317	1-4	1900	Mon	646/00	USB	(AB/MPJ)
E11	10800	2-4	0645	Tue	511/00	USB	(AB)
E11	9963	2-4	0715	Tue	634/00	USB	(AB)
E11	19184	2-4	0820	Tue	134/00	USB	(AB)
E11	10800	2-4	1645	Tue	333/00	USB	(AB/GHn/MPJ)
E11	17410	3-4	0745	Wed	340/00	USB	(AB)
E11	19184	3-4	0820	Wed	131/00	USB	(AB-POL)
E11	10448	3-4	1625	Wed	972/00	USB	(AB/MPJ)
E11	4181	3-4	1705	Wed	395/00	USB	(AB/MPJ)
E11	5844	3-4	1730	Wed	406/00	USB	(AB/MPJ)
E11	10800	4-4	0645	Thu	511/00	USB	(AB)
E11	13873	4-4	1300	Thu	588/00	USB	(AB/MPJ/RL/HFD)
E11	10800	4-4	1645	Thu	330/00	USB	(MPJ)
E11	7864	4-4	1730	Thu	414/00	USB	(AB/MPJ)
E11	7317	4-4	1900	Thu	646/00	USB	(AB/MPJ)
E11	12089	5-4	0600	Fri	182/00	USB	(AB)
E11	9963	5-4	0715	Fri	631/00	USB	(AB)
E11	17410	5-4	0745	Fri	346/00	USB	(AB-POL)
E11	20286	5-4	1225	Fri	521/00	USB	(AB-POL)
E11	13873	5-4	1650	Fri	929/00	USB	(MPJ)
E11	8530	5-4	1910	Fri	614/00	USB	(MPJ/RL)
E11	8102	6-4	0710	Sat	497/00	USB	(AB)
E11	13873	6-4	1300	Sat	583/00	USB	(MPJ)
E11	4181	6-4	1705	Sat	399/00	USB	(MPJ)
E11	8102	7-4	0710	Sun	490/00	USB	(AB)
E11	5371	7-4	0805	Sun	310/00	USB	(AB)
E11	6397	7-4	1605	Sun	233/00	USB	(AB/MPJ)
E11	10448	7-4	1625	Sun	974/00	USB	(AB/MPJ)
E11	13873	7-4	1650	Sun	922/00	USB	(AB/MPJ)
E11	8530	7-4	1910	Sun	612/00	USB	(AB)
E11	4505	7-4	1930	Sun	360/00	USB	(AB/MPJ)
E11	5371	8-4	0450	Mon	411/00	USB	(AB)
E11	10213	8-4	0745	Mon	266/00	USB	(AB)
E11	8180	8-4	0900	Mon	536/00	USB	(AB)
E11	7317	8-4	1045	Mon	690/00	USB	(AB/MPJ)
E11	8180	9-4	0700	Tue	571/00	USB	(AB)



E11	19184	9-4	0820	Tue	131/00	USB	(AB-POL)
E11	12202	9-4	0845	Tue	156/00	USB	(AB-POL)
E11	7840	9-4	1000	Tue	308/00	USB	(AB/MPJ)
E11	13046	9-4	1345	Tue	914/00	USB	(AB)
E11	10800	9-4	1645	Tue	334/00	USB	(AB/MPJ)
E11	19184	10-4	0820	Wed	131/00	USB	(AB-POL)
E11	8180	10-4	0900	Wed	538/00	USB	(AB)
E11	7317	10-4	1045	Wed	693/00	USB	(AB)
E11	10448	10-4	1625	Wed	974/00	USB	(AB/MPJ)
E11	4181	10-4	1705	Wed	392/00	USB	(AB/MPJ)
E11	5844	10-4	1730	Wed	404/00	USB	(AB/GHn)
E11	5941	11-4	0820	Thu	436/00	USB	(AB)
E11	12202	11-4	0845	Thu	159/00	USB	(AB)
E11	6940	11-4	0930	Thu	279/00	USB	(AB)
E11	13873	11-4	1300	Thu	585/00	USB	(AB)
E11	10330	11-4	1530	Thu	262/00	USB	(AB/GHn/MPJ)
E11	10800	11-4	1645	Thu	334/00	USB	(AB/MPJ)
E11	7864	11-4	1730	Thu	412/00	USB	(AB/MPJ)
E11	8180	12-4	0700	Fri	576/00	USB	(AB)
E11	7840	12-4	1000	Fri	300/00	USB	(AB/MPJ)
E11	13873	12-4	1650	Fri	929/00	USB	(AB/MPJ)
E11	8530	12-4	1910	Fri	611/00	USB	(AB)
E11	8102	13-4	0710	Sat	495/00	USB	(AB)
E11	5371	13-4	0805	Sat	315/00	USB	(AB)
E11	13873	13-4	1300	Sat	583/00	USB	(MPJ)
E11	13046	13-4	1345	Sat	910/00	USB	(MPJ/RL)
E11	4181	13-4	1705	Sat	393/00	USB	(AB/MPJ)
E11	5844	13-4	1730	Sat	402/00	USB	(AB/MPJ)
E11	4505	13-4	1930	Sat	369/00	USB	(AB)
E11	8102	14-4	0710	Sun	496/00	USB	(AB)
E11	5371	14-4	0805	Sun	310/00	USB	(AB)
E11	10448	14-4	1625	Sun	978/00	USB	(AB/GHn/MPJ)
E11	13873	14-4	1650	Sun	927/00	USB	(AB)
E11	8530	14-4	1910	Sun	614/00	USB	(AB/MPJ)
E11	4505	14-4	1930	Sun	369/00	USB	(AB)
E11	12089	15-4	0600	Mon	184/00	USB	(AB)
E11	12153	15-4	0640	Mon	946/00	USB	(AB)
E11	10213	15-4	0745	Mon	269/00	USB	(AB)
E11	8180	15-4	0900	Mon	537/00	USB	(AB)
E11	5737	15-4	1530	Mon	520/00	USB	(AB/MPJ)



E11	13470	15-4	1745	Mon	247/00	USB	(AB/MPJ)
E11	7317	15-4	1900	Mon	646/00	USB	(AB)
E11	10800	16-4	0645	Tue	518/00	USB	(AB)
E11	8180	16-4	0700	Tue	574/00	USB	(AB)
E11	9963	16-4	0715	Tue	635/00	USB	(AB)
E11	12202	16-4	0845	Tue	155/00	USB	(AB)
E11	7840	16-4	1000	Tue	305/00	USB	(AB/MPJ)
E11	6923	16-4	1205	Tue	461/00	USB	(AB/MPJ)
E11	13046	16-4	1345	Tue	912/00	USB	(AB/MPJ)
E11	6397	16-4	1605	Tue	235/00	USB	(AB/GHn/MPJ)
E11	7749	16-4	1925	Tue	558/00	USB	(AB)
E11	12153	17-4	0640	Wed	949/00	USB	(AB)
E11	17410	17-4	0745	Wed	342/00	USB	(AB-POL)
E11	19184	17-4	0820	Wed	138/00	USB	(AB-POL)
E11	8180	17-4	0900	Wed	535/00	USB	(AB)
E11	6940	17-4	0930	Wed	270/00	USB	(AB)
E11	6923	17-4	1205	Wed	464/00	USB	(AB/MPJ)
E11	4181	17-4	1705	Wed	392/00	USB	(AB/MPJ)
E11	5844	17-4	1730	Wed	409/00	USB	(AB)
E11	10800	18-4	0645	Thu	519/00	USB	(AB)
E11	5941	18-4	0820	Thu	438/00	USB	(AB)
E11	12202	18-4	0845	Thu	156/00	USB	(AB)
E11	6940	18-4	0930	Thu	273/00	USB	(AB)
E11	13873	18-4	1300	Thu	588/00	USB	(AB-POL/MPJ)
E11	10330	18-4	1530	Thu	266/00	USB	(AB/GHn/MPJ)
E11	7317	18-4	1900	Thu	647/00	USB	(AB/MPJ)
E11	7749	18-4	1925	Thu	558/00	USB	(AB)
E11	5779	19-4	0435	Fri	359/00	USB	(AB)
E11	8180	19-4	0700	Fri	576/00	USB	(AB)
E11	9963	19-4	0715	Fri	639/00	USB	(AB)
E11	17410	19-4	0745	Fri	346/00	USB	(AB-POL)
E11	7840	19-4	1000	Fri	308/00	USB	(AB/MPJ)
E11	5737	19-4	1530	Fri	520/00	USB	(AB/MPJ)
E11	13873	19-4	1650	Fri	929/00	USB	(AB/MPJ)
E11	8530	19-4	1910	Fri	616/00	USB	(AB/MPJ/RL)
E11	13873	20-4	1300	Sat	587/00	USB	(AB)
E11	13046	20-4	1345	Sat	917/00	USB	(MPJ)
E11	4181	20-4	1705	Sat	396/00	USB	(AB)
E11	5844	20-4	1730	Sat	403/00	USB	(MPJ/GHn)
E11	5779	21-4	0435	Sun	352/00	USB	(AB)

E11	6397	21-4	1605	Sun	237/00	USB	(AB/GHn/MPJ)
E11	13873	21-4	1650	Sun	929/00	USB	(AB/MPJ)
E11	13470	21-4	1745	Sun	240/00	USB	(AB-POL/MPJ)
E11	8530	21-4	1910	Sun	611/00	USB	(AB/MPJ)
E11	5371	22-4	0450	Mon	412/00	USB	(AB)
E11	12089	22-4	0600	Mon	189/00	USB	(AB)
E11	12153	22-4	0640	Mon	946/00	USB	(AB)
E11	8180	22-4	0900	Mon	530/00	USB	(AB)
E11	7317	22-4	1045	Mon	697/00	USB	(AB/MPJ)
E11	13470	22-4	1745	Mon	248/00	USB	(AB-POL/MPJ)
E11	7317	22-4	1900	Mon	648/00	USB	(AB/MPJ)
E11	10800	23-4	0645	Tue	514/00	USB	(AB)
E11	8180	23-4	0700	Tue	577/00	USB	(AB)
E11	9963	23-4	0715	Tue	631/00	USB	(AB)
E11	7840	23-4	1000	Tue	302/00	USB	(AB)
E11	6923	23-4	1205	Tue	462/00	USB	(AB)
E11	13046	23-4	1345	Tue	911/00	USB	(AB-POL)
E11	6397	23-4	1605	Tue	231/00	USB	(AB/MPJ)
E11	10800	23-4	1645	Tue	332/00	USB	(AB/MPJ)
E11	12153	24-4	0640	Wed	944/00	USB	(AB)
E11	8180	24-4	0900	Wed	537/00	USB	(AB)
E11	6940	24-4	0930	Wed	278/00	USB	(AB)
E11	7317	24-4	1045	Wed	696/00	USB	(MPJ)
E11	6923	24-4	1205	Wed	466/00	USB	(MPJ)
E11	10448	24-4	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	10800	25-4	0645	Thu	518/00	USB	(AB)
E11	6940	25-4	0930	Thu	276/00	USB	(AB)
E11	10330	25-4	1530	Thu	268/00	USB	(AB/MPJ)
E11	10800	25-4	1645	Thu	332/00	USB	(MPJ)
E11	7864	25-4	1730	Thu	411/00	USB	(AB/MPJ)
E11	7317	25-4	1900	Thu	643/00	USB	(AB/GHn/MPJ)
E11	5779	26-4	0435	Fri	350/00	USB	(AB)
E11	12089	26-4	0600	Fri	183/00	USB	(AB)
E11	8180	26-4	0700	Fri	576/00	USB	(AB)
E11	17410	26-4	0745	Fri	342/00	USB	(AB-POL)
E11	7840	26-4	1000	Fri	305/00	USB	(AB)
E11	8102	27-4	0710	Sat	498/00	USB	(AB)
E11	5371	27-4	0805	Sat	311/00	USB	(AB)
E11	13046	27-4	1345	Sat	917/00	USB	(MPJ)
E11	4505	27-4	1930	Sat	368/00	USB	(AB/MPJ)

<b>E11</b>	5779	28-4	0435	Sun	353/00	USB	(AB)
<b>E11</b>	8102	28-4	0710	Sun	495/00	USB	(AB/F5JBR)
<b>E11</b>	5371	28-4	0805	Sun	310/00	USB	(AB)
<b>E11</b>	6397	28-4	1605	Sun	236/00	USB	(AB/LA6LU)
<b>E11</b>	10448	28-4	1625	Sun	974/00	USB	(AB)
<b>E11</b>	13470	28-4	1745	Sun	245/00	USB	(AB-POL)
<b>E11</b>	4505	28-4	1930	Sun	363/00	USB	(AB/LA6LU)
<b>E11</b>	5371	29-4	0450	Mon	413/00	USB	(AB)
<b>E11</b>	12089	29-4	0600	Mon	181/00	USB	(AB)
<b>E11</b>	12153	29-4	0640	Mon	949/00	USB	(AB)
<b>E11</b>	10213	29-4	0745	Mon	264/00	USB	(AB)
<b>E11</b>	8180	29-4	0900	Mon	535/00	USB	(AB/LA6LU)
<b>E11</b>	7317	29-4	1045	Mon	691/00	USB	(AB)
<b>E11</b>	5737	29-4	1530	Mon	528/00	USB	(AB/MPJ)
<b>E11</b>	13470	29-4	1745	Mon	249/00	USB	(AB/MPJ)
<b>E11</b>	7317	29-4	1900	Mon	648/00	USB	(AB/GHn/MPJ/LA6LU)
<b>E11</b>	10800	30-4	0645	Tue	517/00	USB	(AB)
<b>E11</b>	8180	30-4	0700	Tue	570/00	USB	(AB)
<b>E11</b>	9963	30-4	0715	Tue	637/00	USB	(AB)
<b>E11</b>	19184	30-4	0820	Tue	136/00	USB	(AB-POL)
<b>E11</b>	12202	30-4	0845	Tue	159/00	USB	(AB)
<b>E11</b>	7840	30-4	1000	Tue	308/00	USB	(AB)
<b>E11</b>	6923	30-4	1205	Tue	465/00	USB	(AB)
<b>E11</b>	13046	30-4	1345	Tue	910/00	USB	(AB-POL/MPJ)
<b>E11</b>	6397	30-4	1605	Tue	238/00	USB	(AB/MPJ)
<b>E11</b>	10800	30-4	1645	Tue	338/00	USB	(MPJ)
<b>E11a</b>	10213	1-4	0745	Mon	269/37 Attention 06609 22127 11924 ... 32691 14336 63947 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5941	1-4	0820	Mon	436/33 Attention 05519 43750 16309 ... 72929 97680 96782 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8180	1-4	0900	Mon	532/37 Attention 29248 23543 72440 ... 41205 39176 98627 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7317	1-4	1045	Mon	694/30 Attention 52293 48765 99776 ... 30364 32322 11556 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8180	2-4	0700	Tue	579/35 Attention 87333 85517 67876 ... 76465 43880 72429 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7840	2-4	1000	Tue	305/22 Attention 94588 69617 53636 ... 18607 35497 95507 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6923	2-4	1205	Tue	468/47 Attention 87877 71991 33798 ... 45754 07362 73803 Attention (message repeated) Out	USB	(AB/MPJ)

<b>E11a</b>	13046	2-4	1345	Tue	915/40 Attention 83420 34983 05698 ... 64846 95715 52014 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	10620	2-4	1925	Tue	550/32 Attention 54912 93226 65634 ... 30831 77025 36425 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	8180	3-4	0900	Wed	532/37 Attention 29248 23543 72440 ... 41205 39176 98627 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6940	3-4	0930	Wed	271/36 Attention 40872 68840 07927 ... 65102 17778 65969 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7317	3-4	1045	Wed	694/30 Attention 52293 48765 99776 ... 30364 32322 11556 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6923	3-4	1205	Wed	467/47 Attention 87877 71991 33798 ... 45754 07362 73803 Attention (message repeated) Out. Note: repeat of 2 April but using a different id: 468 vs 467	USB	(AB/MPJ)
<b>E11a</b>	5941	4-4	0820	Thu	436/33 Attention 05519 43750 16309 ... 72929 97680 96782 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6940	4-4	0930	Thu	271/36 Attention 40872 68840 07927 ... 65102 17778 65969 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10330	4-4	1530	Thu	269/37 Attention 06609 22127 11924 ... 99347 32691 14336 63947 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	10620	4-4	1925	Thu	550/32 Attention 54912 93226 65634 ... 30831 77025 36425 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8180	5-4	0700	Fri	579/35 Attention 87333 85517 67876 ... 76465 43880 72429 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7840	5-4	1000	Fri	305/22 Attention 94588 69617 53636 ... 18607 35497 95507 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	13046	6-4	1345	Sat	915/40 Attention 83420 34983 05698 ... 64846 95715 52014 Attention (message repeated) Out	USB	(MPJ)
<b>E11a</b>	12089	8-4	0600	Mon	189/33 Attention 00420 41097 97986 ... 88554 27525 56890 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	12153	8-4	0640	Mon	949/28 Attention ...	USB	(AB)
<b>E11a</b>	13470	8-4	1745	Mon	246/39 Attention 40946 51563 89525 ... 04758 98740 69489 Attention (message repeated) Out	USB	(AB/MPJ-I)
<b>E11a</b>	7317	8-4	1900	Mon	647/40 Attention 68293 88876 01791 ... 57487 79691 09304 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	10800	9-4	0645	Tue	515/35 Attention 72745 80818 70106 ... 89367 48898 48637 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	9963	9-4	0715	Tue	636/36 Attention 44951 03425 32045 ... 17902 18864 83766 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6923	9-4	1205	Tue	461/39 Attention 21254 65584 99964 ... 88353 79945 91695 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6397	9-4	1605	Tue	237/31 Attention 47459 79964 02720 ... 04140 64058 48959 Attention (message repeated)	USB	(AB/MPJ)

[illegible]

<b>E11a</b>	5371	21-4	0805	Sun	314/36 Attention 49399 08289 92631 ... 49818 36323 55680 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10448	21-4	1625	Sun	976/38 Attention 45139 42634 16912 ... 83046 46472 53658 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	4505	21-4	1930	Sun	369/32 Attention 98101 07174 32925 ... 63645 25419 09064 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5737	22-4	1530	Mon	528/39 Attention 20640 91635 24151 ... 34266 13639 77677 Attention (message repeated) Out	USB	(AB/MPJ-I/BW3)
<b>E11a</b>	19184	23-4	0820	Tue	136/33 Attention 06514 20963 22301 ... 26281 48925 91032 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	12202	23-4	0845	Tue	159/32 Attention 63807 70124 40558 ... 38443 93159 23779 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4181	24-4	1705	Wed	399/33 Attention 54487 29355 92751 ... 69853 98749 09369 Attention (message repeated) Out	USB	(MPJ)
<b>E11a</b>	5844	24-4	1730	Wed	404/33 Attention 47498 88474 11686 ... 11512 83454 64987 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5941	25-4	0820	Thu	432/30 Attention 96379 01464 72242 ... 08535 48760 62896 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12202	25-4	0845	Thu	159/32 Attention 63807 70124 40558 ... 38443 93159 23779 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13873	25-4	1300	Thu	581/36 Attention 79192 21075 66267 ... 12990 02350 96051 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	7749	25-4	1925	Thu	557/36 Attention 55168 16229 23237 ... 20914 13407 65727 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5737	26-4	1530	Fri	528/39 Attention 20640 91635 24151 ... 34266 13639 77677 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	13873	26-4	1650	Fri	924/37 Attention 56766 93732 41634 ... 32338 59566 02547 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	8530	26-4	1910	Fri	613/33 Attention 33958 44101 55504 ... 05909 04516 94753 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	4181	27-4	1705	Sat	399/33 Attention 54487 29355 92751 ... 69853 98749 09369 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5844	27-4	1730	Sat	404/33 Attention 47498 88474 11686 ... 11512 83454 64987 Attention (message repeated) Out	USB	(AB/MPJ/GHn)
<b>E11a</b>	13873	28-4	1650	Sun	924/37 Attention 56766 93732 41634 ... 32338 59566 02547 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8530	28-4	1910	Sun	613/33 Attention 33958 44101 55504 ... 05909 04516 94753 Attention (message repeated) Out	USB	(AB/LA6LU)
<b>E17z</b>	14260	4-4	0800	Thu	674 932 5 04049 30193 55678 42961 86336 932 5 00000	USB	(AB-G)
<b>E17z</b>	12930	4-4	0810	Thu	674 932 5 04049 30193 55678 42961 86336 932 5 00000	USB	(AB)

<b>E17z</b>	14260	11-4	0800	Thu	674 932 5 04049 30193 55678 42961 86336 932 5 00000	USB	(AB-G)
<b>E17z</b>	12930	11-4	0810	Thu	674 932 5 04049 30193 55678 42961 86336 932 5 00000	USB	(AB)
<b>E17z</b>	14260	18-4	0800	Thu	674 931 5 34917 36991 38643 30996 35333 931 5 00000	USB	(AB-G/HFD)
<b>E17z</b>	12930	18-4	0810	Thu	674 931 5 34917 36991 38643 30996 35333 931 5 00000	USB	(AB/HFD)
<b>E17z</b>	14260	25-4	0800	Thu	674 931 5 34917 36991 38643 30996 35333 931 5 00000	USB	(AB)
<b>E17z</b>	12930	25-4	0810	Thu	674 931 5 34917 36991 38643 30996 35333 931 5 00000	USB	(AB)
<b>EGY</b>	17416.7	1-4	1430	Mon	Egyptian diplo i.p. Ended with HJKJ US KJG KDDR YKKKKKKK+?	SITOR-A 100/170	(AB)
<b>EGY</b>	16223.7	10-4	0801	Wed	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi	SITOR-A 100/170	(AB)
<b>EGY</b>	18051.7	17-4	0819	Wed	MFA Cairo clg KKQT: unid Egyptian embassy	SITOR-A 100/170	(AB)
<b>EGY</b>	18050	17-4	0821	Wed	99904: MFA Cairo msg to 33320: unid Egyptian embassy	Codan Chirp/Codan-16-tone	(AB)
<b>EGY</b>	16286.7	17-4	0947	Wed	MFA Cairo i.p.	SITOR-A 100/170	(AB)
<b>EGY</b>	17416.7	17-4	1420	Wed	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
<b>EGY</b>	17415	17-4	1422	Wed	99910: MFA Cairo msg to 66601: Egyptian embassy Washington	Codan Chirp/Codan-16-tone	(AB)
<b>F01</b>	12194	3-4	1840	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ/RL/HFD)
<b>F01</b>	10581	3-4	1850	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ/RL/HFD)
<b>F01</b>	8112	3-4	1900	Wed	Russian diplo/intel. )576 100000+++++++	FSK 200/500	(AB/MPJ/RL/HFD)
<b>F03a</b>	7377	1-4	1030	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7377	1-4	1035	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	1-4	1830	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	1-4	1835	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	10728	2-4	0945	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	10728	2-4	0950	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	2-4	1800	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	2-4	1805	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7377	3-4	1030	Wed	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7377	3-4	1035	Wed	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	4-4	1800	Thu	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	4-4	1805	Thu	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	4-4	1830	Thu	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	4-4	1835	Thu	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7377	8-4	1030	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7377	8-4	1035	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	8-4	1830	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7798	8-4	1835	Mon	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	10728	9-4	0945	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	10728	9-4	0950	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	9-4	1800	Tue	Polish intel.	BFSK 100/200	(AB)
<b>F03a</b>	7840	9-4	1805	Tue	Polish intel.	BFSK 100/200	(AB)



F03a	7377	10-4	1030	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	7377	10-4	1035	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	7840	11-4	1800	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7840	11-4	1805	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7798	11-4	1830	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7798	11-4	1835	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	10728	12-4	0945	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	10728	12-4	0950	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	7377	15-4	1030	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	7377	15-4	1035	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	10728	16-4	0945	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	10728	16-4	0950	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	7840	16-4	1800	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	7840	16-4	1805	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	18030	17-4	0800	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	18030	17-4	0805	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	7377	17-4	1030	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	7377	17-4	1035	Wed	Polish intel.	BFSK 100/200	(AB)
F03a	7840	18-4	1800	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7840	18-4	1805	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7798	18-4	1830	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7798	18-4	1835	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	10728	19-4	0945	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	10728	19-4	0950	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	7377	22-4	1030	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	7377	22-4	1035	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	7798	22-4	1830	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	7798	22-4	1835	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	18030	23-4	0800	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	18030	23-4	0805	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	10728	23-4	0945	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	10728	23-4	0950	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	7840	23-4	1800	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	7840	23-4	1805	Tue	Polish intel.	BFSK 100/200	(AB)
F03a	7840	25-4	1800	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	7840	25-4	1805	Thu	Polish intel.	BFSK 100/200	(AB)
F03a	10728	26-4	0945	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	10728	26-4	0950	Fri	Polish intel.	BFSK 100/200	(AB)
F03a	7377	29-4	1030	Mon	Polish intel.	BFSK 100/200	(AB)
F03a	7377	29-4	1035	Mon	Polish intel.	BFSK 100/200	(AB)



<b>F03a</b>	7798	29-4	1830	Mon	Polish intel.		BFSK 100/200	(AB)
<b>F03a</b>	7798	29-4	1835	Mon	Polish intel.		BFSK 100/200	(AB)
<b>F03a</b>	18030	30-4	0800	Tue	Polish intel.		BFSK 100/200	(AB-POL)
<b>F03a</b>	18030	30-4	0805	Tue	Polish intel.		BFSK 100/200	(AB-POL)
<b>F03a</b>	10728	30-4	0945	Tue	Polish intel.		BFSK 100/200	(AB)
<b>F03a</b>	10728	30-4	0950	Tue	Polish intel.		BFSK 100/200	(AB)
<b>F03a</b>	7840	30-4	1800	Tue	Polish intel.		BFSK 100/200	(AB)
<b>F03a</b>	7840	30-4	1805	Tue	Polish intel.		BFSK 100/200	(AB)
<b>F06</b>	18726	2-4	1650	Tue	Russian diplo/intel. 11166 10053 14279 02069 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16238	2-4	1700	Tue	Russian diplo/intel. 11166 10053 14279 02069 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	13378	2-4	1710	Tue	Russian diplo/intel. 11166 10053 14279 02069 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
<b>F06</b>	16325	3-4	0600	Wed	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	14724	3-4	0610	Wed	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	12172	3-4	0620	Wed	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	11484	3-4	0800	Wed	Russian diplo/intel. 11166 70048 74569 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	10185	3-4	0810	Wed	Russian diplo/intel. 11166 70048 74569 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	9615	3-4	0820	Wed	Russian diplo/intel. 11166 70048 74569 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	16325	4-4	0600	Thu	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	14724	4-4	0610	Thu	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	12172	4-4	0620	Thu	Russian diplo/intel. Header: 11166 40122 82041 30024 03449 92699		FSK 200/1000	(AB-J)
<b>F06</b>	16351	4-4	1330	Thu	Russian diplo/intel. 11166 80214 15973 04001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
<b>F06</b>	14367	4-4	1340	Thu	Russian diplo/intel. 11166 80214 15973 04001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
<b>F06</b>	11483	4-4	1350	Thu	Russian diplo/intel. 11166 80214 15973 04001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
<b>F06</b>	14986	6-4	1100	Sat	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	13366	6-4	1110	Sat	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	11050	6-4	1120	Sat	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	14986	7-4	1100	Sun	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	13366	7-4	1110	Sun	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	11050	7-4	1120	Sun	Russian diplo/intel. Header: 11166 50046 15987 05073 01249		FSK 200/1000	(AB/MPJ)
<b>F06</b>	18626	7-4	1530	Sun	Russian diplo/intel. 11166 10053 74523 07001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16235	7-4	1540	Sun	Russian diplo/intel. 11166 10053 74523 07001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	13458	7-4	1550	Sun	Russian diplo/intel. 11166 10053 74523 07001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	9455	9-4	0030	Tue	Russian diplo/intel. 11166 60070 13579 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	6863	9-4	0040	Tue	Russian diplo/intel. 11166 60070 13579 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	5426	9-4	0050	Tue	Russian diplo/intel. 11166 60070 13579 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
<b>F06</b>	18726	9-4	1650	Tue	Russian diplo/intel. 11166 10053 12358 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16238	9-4	1700	Tue	Russian diplo/intel. 11166 10053 12358 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	13378	9-4	1710	Tue	Russian diplo/intel. 11166 10053 12358 09001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16325	10-4	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869		FSK 200/1000	(AB-NZL)

<b>F06</b>	14724	10-4	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869	FSK 200/1000	(AB-NZL)
<b>F06</b>	12172	10-4	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869	FSK 200/1000	(AB-NZL)
<b>F06</b>	11484	10-4	0800	Wed	Russian diplo/intel. 11166 70048 87421 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	10185	10-4	0810	Wed	Russian diplo/intel. 11166 70048 87421 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9615	10-4	0820	Wed	Russian diplo/intel. 11166 70048 87421 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-HNG)
<b>F06</b>	17538	10-4	0915	Wed	Russian diplo/intel. 11166 10031 17935 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	14576	10-4	0925	Wed	Russian diplo/intel. 11166 10031 17935 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	11639	10-4	0935	Wed	Russian diplo/intel. 11166 10031 17935 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	16325	11-4	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869	FSK 200/1000	(AB-NZL)
<b>F06</b>	14724	11-4	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869	FSK 200/1000	(AB-NZL)
<b>F06</b>	12172	11-4	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 46589 06025 02859 and 11166 40122 63987 06026 02869	FSK 200/1000	(AB-NZL)
<b>F06</b>	16209	11-4	0800	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB-RUS)
<b>F06</b>	14363	11-4	0810	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB)
<b>F06</b>	12167	11-4	0820	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB)
<b>F06</b>	19363	11-4	1030	Thu	Russian diplo/intel. Message to Russian embassy Addis Ababa. Header: 11166 10042 15624 10012 02219	FSK 200/1000	(Danix)
<b>F06</b>	16349	11-4	1040	Thu	Russian diplo/intel. Message to Russian embassy Addis Ababa. Header: 11166 10042 15624 10012 02219	FSK 200/1000	(AB/Danix)
<b>F06</b>	13808	11-4	1050	Thu	Russian diplo/intel. Message to Russian embassy Addis Ababa. Header: 11166 10042 15624 10012 02219	FSK 200/1000	(AB/Danix)
<b>F06</b>	16351	11-4	1330	Thu	Russian diplo/intel. 11166 80214 53617 11039 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	14367	11-4	1340	Thu	Russian diplo/intel. 11166 80214 53617 11039 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	11483	11-4	1350	Thu	Russian diplo/intel. 11166 80214 53617 11039 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/RL)
<b>F06</b>	19417	13-4	2100	Sat	Russian diplo/intel. 11166 40133 74123 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	16286	13-4	2110	Sat	Russian diplo/intel. 11166 40133 74123 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	14984	13-4	2120	Sat	Russian diplo/intel. 11166 40133 74123 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	18626	14-4	1530	Sun	Russian diplo/intel. 11166 10053 14279 14065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16235	14-4	1540	Sun	Russian diplo/intel. 11166 10053 14279 14065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-G/MPJ)
<b>F06</b>	13458	14-4	1550	Sun	Russian diplo/intel. 11166 10053 14279 14065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-G/MPJ)
<b>F06</b>	9473	15-4	0400	Mon	Russian diplo/intel. 11166 70059 87421 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7556	15-4	0410	Mon	Russian diplo/intel. 11166 70059 87421 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5471	15-4	0420	Mon	Russian diplo/intel. 11166 70059 87421 15021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9455	16-4	0030	Tue	Russian diplo/intel. 11166 60070 79513 16012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6863	16-4	0040	Tue	Russian diplo/intel. 11166 60070 79513 16012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5426	16-4	0050	Tue	Russian diplo/intel. 11166 60070 79513 16012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	18726	16-4	1650	Tue	Russian diplo/intel. 11166 10053 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16238	16-4	1700	Tue	Russian diplo/intel. 11166 10053 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	13378	16-4	1710	Tue	Russian diplo/intel. 11166 10053 13579 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16325	17-4	0600	Wed	Russian diplo/intel. 11166 40122 67135 17037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	14724	17-4	0610	Wed	Russian diplo/intel. 11166 40122 67135 17037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	12172	17-4	0620	Wed	Russian diplo/intel. 11166 40122 67135 17037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	11484	17-4	0800	Wed	Russian diplo/intel. 11166 70048 74123 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10185	17-4	0810	Wed	Russian diplo/intel. 11166 70048 74123 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9615	17-4	0820	Wed	Russian diplo/intel. 11166 70048 74123 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-HNG)
F06	16351	18-4	1330	Thu	Russian diplo/intel. 11166 80214 82437 18045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14367	18-4	1340	Thu	Russian diplo/intel. 11166 80214 82437 18045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11483	18-4	1350	Thu	Russian diplo/intel. 11166 80214 82437 18045 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14986	20-4	1100	Sat	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	13366	20-4	1110	Sat	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	11050	20-4	1120	Sat	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	19417	20-4	2100	Sat	Russian diplo/intel. 11166 40133 16843 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16286	20-4	2110	Sat	Russian diplo/intel. 11166 40133 16843 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14984	20-4	2120	Sat	Russian diplo/intel. 11166 40133 16843 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	14986	21-4	1100	Sun	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	13366	21-4	1110	Sun	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	11050	21-4	1120	Sun	Russian diplo/intel. Header: 11166 50046 87541 19074 00569	FSK 200/1000	(AB/MPJ)
F06	18626	21-4	1530	Sun	Russian diplo/intel. 11166 10053 13579 21065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16235	21-4	1540	Sun	Russian diplo/intel. 11166 10053 13579 21065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	13458	21-4	1550	Sun	Russian diplo/intel. 11166 10053 13579 21065 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	9455	23-4	0030	Tue	Russian diplo/intel. 11166 60070 14279 23075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6863	23-4	0040	Tue	Russian diplo/intel. 11166 60070 14279 23075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5426	23-4	0050	Tue	Russian diplo/intel. 11166 60070 14279 23075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18726	23-4	1650	Tue	Russian diplo/intel. 11166 10053 79513 23012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16238	23-4	1700	Tue	Russian diplo/intel. 11166 10053 79513 23012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13378	23-4	1710	Tue	Russian diplo/intel. 11166 10053 79513 23012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16325	24-4	0600	Wed	Russian diplo/intel. Header: 11166 40122 46310 20027 04019	FSK 200/1000	(AB-J)
F06	14724	24-4	0610	Wed	Russian diplo/intel. Header: 11166 40122 46310 20027 04019	FSK 200/1000	(AB-J)
F06	12172	24-4	0620	Wed	Russian diplo/intel. Header: 11166 40122 46310 20027 04019	FSK 200/1000	(AB-J)
F06	11484	24-4	0800	Wed	Russian diplo/intel. 11166 70048 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10185	24-4	0810	Wed	Russian diplo/intel. 11166 70048 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9615	24-4	0820	Wed	Russian diplo/intel. 11166 70048 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16209	25-4	0800	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB)
F06	14363	25-4	0810	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB)
F06	12167	25-4	0820	Thu	Russian diplo/intel. Header: 11166 00052 15987 09039 01829	FSK 200/1000	(AB)
F06	16351	25-4	1330	Thu	Russian diplo/intel. 11166 80214 64973 25037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

<b>F06</b>	14367	25-4	1340	Thu	Russian diplo/intel. 11166 80214 64973 25037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	11483	25-4	1350	Thu	Russian diplo/intel. 11166 80214 64973 25037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	18626	28-4	1530	Sun	Russian diplo/intel. 11166 10053 79631 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	16235	28-4	1540	Sun	Russian diplo/intel. 11166 10053 79631 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
<b>F06</b>	13458	28-4	1550	Sun	Russian diplo/intel. 11166 10053 79631 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	9455	30-4	0030	Tue	Russian diplo/intel. 11166 60070 53247 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6861	30-4	0040	Tue	Russian diplo/intel. 11166 60070 53247 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	5426	30-4	0050	Tue	Russian diplo/intel. 11166 60070 53247 30075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	18726	30-4	1650	Tue	Russian diplo/intel. 11166 10053 14279 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	16238	30-4	1700	Tue	Russian diplo/intel. 11166 10053 14279 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	13378	30-4	1710	Tue	Russian diplo/intel. 11166 10053 14279 30069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>G06</b>	6810	1-4	0800	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
<b>G06</b>	4792	1-4	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	4792	1-4	1705	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	4877	1-4	1708	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	4877	1-4	1749	Mon	Windows sound, then 11	USB	(AB)
<b>G06</b>	4877	1-4	1759	Mon	145 145 145 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	5234	3-4	1149	Wed	111	USB	(AB)
<b>G06</b>	5234	3-4	1200	Wed	145:0	USB	(HFD)
<b>G06</b>	5234	3-4	1211	Wed	111 111 111 00000	USB	(AB)
<b>G06</b>	5412	3-4	1259	Wed	145 145 145 00000	USB	(AB-RUS/MPJ/HFD)
<b>G06</b>	4598	4-4	1241	Thu	111 111 111 00000	USB	(AB)
<b>G06</b>	4598	4-4	1259	Thu	329 329 329 00000 Windows shut down sound	USB	(AB/HFD)
<b>G06</b>	4792	8-4	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	4792	8-4	1705	Mon	111 111 111 00000	USB	(AB)
<b>G06</b>	4877	8-4	1800	Mon	145 145 145 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	5234	10-4	1200	Wed	145 145 145 00000	USB	(AB-POL/MPJ)
<b>G06</b>	5234	10-4	1205	Wed	111 111 111	USB	(AB-POL)
<b>G06</b>	5412	10-4	1300	Wed	145 145 145 00000 Windows shut down sound	USB	(AB-POL/MPJ)
<b>G06</b>	5934	11-4	1830	Thu	579 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000	USB	(AB/MPJ/HFD)
<b>G06</b>	5442	12-4	1930	Fri	947 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000	USB	(AB)
<b>G06</b>	6810	15-4	0800	Mon	329 329 329 00000	USB	(AB)
<b>G06</b>	5186	18-4	2030	Thu	G06 instead of expected E06. 891 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB/HFD)
<b>G06</b>	5934	25-4	1830	Thu	579 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000	USB	(AB/MPJ/GHn)
<b>G06</b>	5442	26-4	1930	Fri	947 968 43 43057 32409 32495 ... 29384 88773 36125 968 43 00000	USB	(AB)
<b>HM01</b>	9065	1-4	0758	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
<b>HM01</b>	11435	1-4	1558	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
<b>HM01</b>	11635	2-4	0800	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb) mixing with S06s	AM/RDFT	(AB)
<b>HM01</b>	11435	2-4	1557	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)

HM01	16180	2-4	2057	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	17480	2-4	2157	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	3-4	1557	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11530	4-4	1658	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	17480	4-4	2157	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	5-4	1557	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	10715	5-4	2157	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	6-4	1557	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	7-4	1557	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9155	8-4	0957	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	8-4	1557	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11635	8-4	2057	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	9-4	1557	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	9-4	2058	Tue	Radio Habana Cuba with music and then news, instead of HM01	AM	(RL)
HM01	17480	9-4	2155	Tue	Radio Habana Cuba with music and then news, instead of HM01	AM	(RL)
HM01	11435	10-4	1558	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11635	10-4	2057	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	10715	10-4	2157	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	11-4	1557	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	11-4	2057	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	17480	11-4	2207	Thu	i.p. 18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11530	12-4	1657	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	13-4	1557	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	13-4	2057	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	17480	13-4	2157	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	14-4	1558	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	9065	15-4	0758	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9240	15-4	0858	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	11435	15-4	1557	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	10715	15-4	2157	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	16-4	1557	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	17-4	1558	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	18-4	1558	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	18-4	2057	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11530	19-4	1658	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	11435	20-4	1558	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	16180	20-4	1801	Sat	i.p. 18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RL)
HM01	11435	21-4	1557	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(RR2)
HM01	10345	22-4	0558	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)	AM/RDFT	(AB)
HM01	9330	22-4	0652	Mon	Radio Habana Cuba followed by HM01 at 0656 UTC: 18253 65311 55104 83886 28556	AM/RDFT	(AB)



					23037 (repeating the groups of 22 Feb)					
HM01	9065	22-4	0756	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	9240	22-4	0857	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	11435	22-4	1556	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2/BW3)	
HM01	11435	23-4	1556	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	16180	23-4	2057	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RL)	
HM01	9330	24-4	0657	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	11435	24-4	1558	Wed	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	11435	25-4	1558	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	16180	25-4	2057	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RL)	
HM01	17480	25-4	2157	Thu	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RL)	
HM01	9330	26-4	0658	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	9065	26-4	0758	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	9240	26-4	0858	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	11435	26-4	1558	Fri	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	11435	27-4	1558	Sat	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	9330	28-4	0658	Sun	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	11435	28-4	1628	Sun	i.p. 18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	9330	29-4	0656	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(AB)	
HM01	11435	29-4	1557	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
HM01	10715	29-4	2157	Mon	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RL)	
HM01	11435	30-4	1558	Tue	18253 65311 55104 83886 28556 23037 (repeating the groups of 22 Feb)			AM/RDFT	(RR2)	
M01	5475	2-4	1800	Tue	463 521 521 30 30 = = = 39262 22859 98638 ... 34340 62629 44626 = = = 521 521 30 30 000			CW	(AB)	
M01	5020	2-4	2000	Tue	463 597 597 30 30 = = = 19574 72127 51921... 06545 51063 66579 = = = 597 597 30 30 000			CW	(AB)	
M01	5475	4-4	1800	Thu	463 121 121 = 30 30 = = 03570 75891 59023 ... 49790 50924 34125 = = 121 121 = 30 30 000			CW	(AB/MPJ)	
M01	5020	4-4	2000	Thu	463 117 117 = 30 30 = = 54251 31001 28262 ... 46175 12990 65711 = = 117 117 = 30 30 000 Sent only 29 groups			CW	(AB)	
M01	6260	6-4	1500	Sat	463 738 738 30 30 = = = 40627 26732 24706 .. 26230(?) 99547(?) 12718(?) 738 738 = = = 30 30 000			CW	(MPJ)	
M01	6510	7-4	0700	Sun	463 717 717 30 30 = = 09454 49245 82126 ... 55525 85754 69562 = = 717 717 30 30 000 Errors like 6FGs, different repeat between brackets			CW	(AB)	
M01	5475	9-4	1800	Tue	463 509 509 30 30 = = 65152 88347 88641 ... 60665 56054 92573 = = 509 509 30 30 000			CW	(AB/MPJ)	
M01	5020	9-4	2000	Tue	463 603 603 30 30 = = 61709 86177 66890 ... 41515 43506 40321 = = 603 603 30 30 000			CW	(AB)	
M01	5475	11-4	1800	Thu	463 521 521 30 30 = = 26234 01039 11899 ... 54403 77622 57183 = = 521 521 30 30 000			CW	(AB/MPJ)	
M01	5020	11-4	2000	Thu	463 778 778 30 30 = = 41469 20574 45467 ... 50469 86583 32554 = = 778 778 30 30 000			CW	(AB)	
M01	6260	13-4	1500	Sat	463 375 375 30 30 = = 13794 15872 76474 ... 84232 24810 65145 = = 375 375 30 30 000			CW	(MPJ)	
M01	6510	14-4	0659	Sun	463 409 409 30 30 = = = 03008 34587 36082 ... 02884 79109 00967 = = = 409 409 30 30 000			CW	(AB)	

<b>M01</b>	5475	16-4	1800	Tue	463 127 127 = 30 30 = = 54276 48445 21305 ... 99339 47276 00553 = = 127 127 = 30 30 000 groups 16 and 17 were sent twice	CW	(AB/MPJ)
<b>M01</b>	5020	16-4	2000	Tue	463 119 119 30 30 87540 48333 29634 ... 29303 72158 89428 1 = = 119 119 = 30 30 000 Errors	CW	(AB)
<b>M01</b>	5475	18-4	1800	Thu	463 328 328 30 30 = = 09818 23301 37195 ... 94484 80207 39290 = = = = 328 328 30 30 000	CW	(AB/MPJ)
<b>M01</b>	6260	20-4	1500	Sat	463 13 131 = 30 30 = = 04456 04881 45135 ... 41629 59128 70691 = = 131 131 = 30 30 000	CW	(MPJ)
<b>M01</b>	5475	23-4	1800	Tue	463 771 771 30 30 = = 11344 78734 90814 ... 06921 93249 36526 = 771 771 30 30 000 Many errors.	CW	(AB/MPJ)
<b>M01</b>	5020	23-4	2000	Tue	463 721 721 30 30 = = 30321 59384 58002 ... 36370 57621 94301 = = 721 721 30 30 000 Errors	CW	(AB)
<b>M01</b>	5475	25-4	1800	Thu	463 441 441 30 30 = = 54592 36849 53440 ... 29285 11669 51857 = = 441 441 30 30 0000	CW	(MPJ)
<b>M01</b>	6260	27-4	1500	Sat	463 521 521 330 30 = = 0074333 00743 71809 71809 49416 41416 ... 24682 24682 26794 274 = 521 21 30 30 0 0 0 (Errors!)	CW	(MPJ)
<b>M01</b>	5475	30-4	1750	Tue	VVV VVV	CW	(AB)
<b>M01</b>	5475	30-4	1800	Tue	463 301 301 30 30 = = = = 48440 61983 07760 ... 36751 00887 60798 = = = = 301 301 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5020	30-4	2000	Tue	463 311 311 30 30 44192 02800 19070 ... 66703 11547 21543 = = = = 311 311 30 30 000	CW	(AB)
<b>M01b</b>	3535	1-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4950 kHz	MCW	(MPJ)
<b>M01b</b>	4950	1-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3535 kHz	MCW	(AB/MPJ/HFD)
<b>M01b</b>	3645	1-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4455 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	4455	1-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3645 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3625	5-4	1902	Fri	153 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4940 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	4940	5-4	1902	Fri	153 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3625 kHz	MCW	(MPJ-HOL/HFD)
<b>M01b</b>	3520	5-4	2010	Fri	582 987 987 31 31 = = 21545 52619 15193 ... 42232 75109 46364 03809 = = 987 987 31 31 000 //4585 kHz	MCW	(HFD)
<b>M01b</b>	4585	5-4	2010	Fri	582 987 987 31 31 = = 21545 52619 15193 ... 42232 75109 46364 03809 = = 987 987 31 31 000 //3520 kHz	MCW	(HFD)
<b>M01b</b>	3535	8-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4950 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	4950	8-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3535 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3645	8-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4455 kHz	MCW	(MPJ-HOL/HFD)
<b>M01b</b>	4455	8-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000	MCW	(MPJ-HOL/HFD)

<b>M01b</b>	3510	11-4	1832	Thu	//3645 kHz 201 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL/HFD)
<b>M01b</b>	4605	11-4	1832	Thu	//4605 kHz 201 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL/HFD)
<b>M01b</b>	3715	11-4	1942	Thu	//3510 kHz 477 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(HFD)
<b>M01b</b>	4570	11-4	1942	Thu	//4570 477 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(HFD)
<b>M01b</b>	3625	12-4	1902	Fri	//3715 153 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	4940	12-4	1902	Fri	//4940 kHz 153 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	3520	12-4	2010	Fri	//3625 kHz 582 987 987 31 31 == 21545 52619 15193 ... 42232 75109 46364 03809 == 987 987 31 31 000	MCW	(AB-POL)
<b>M01b</b>	4585	12-4	2010	Fri	//4585 kHz 582 987 987 31 31 == 21545 52619 15193 ... 42232 75109 46364 03809 == 987 987 31 31 000	MCW	(AB-POL)
<b>M01b</b>	3645	15-4	1919	Mon	//3520 kHz 771 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	4455	15-4	1919	Mon	//4455 kHz Late start 771 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	3510	18-4	1832	Thu	//3645 kHz Late start 201 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	4605	18-4	1832	Thu	//4605 kHz 201 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	4570	18-4	1942	Thu	//3510 kHz 477 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(AB)
<b>M01b</b>	3625	19-4	1810	Fri	//4570 153 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	4940	19-4	1810	Fri	//4940 kHz 153 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)
<b>M01b</b>	3520	19-4	2010	Fri	//3625 kHz 582 987 987 31 31 == 21545 52619 15193 ... 42232 75109 46364 03809 == 987 987 31 31 000	MCW	(AB-POL)
<b>M01b</b>	4585	19-4	2010	Fri	//4585 kHz 582 987 987 31 31 == 21545 52619 15193 ... 42232 75109 46364 03809 == 987 987 31 31 000	MCW	(AB-POL)
<b>M01b</b>	3535	22-4	1810	Mon	//3520 kHz 420 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ)
<b>M01b</b>	4590	22-4	1810	Mon	//4590 kHz 420 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(AB/MPJ)
<b>M01b</b>	3645	22-4	1915	Mon	//3535 kHz 771 987 987 31 31 == 21545 52619 15193 ... 75109 46364 03809 == 987 987 31 31 000	MCW	(MPJ-HOL)



<b>M01b</b>	4455	22-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3645 kHz	MCW	(MPJ-HOL)
<b>M01b</b>	3520	26-4	2010	Fri	582 987 987 31 31 = = 21545 52619 15193 ... 42232 75109 46364 03809 = = 987 987 31 31 000 //4585 kHz	MCW	(AB-POL)
<b>M01b</b>	4585	26-4	2010	Fri	582 987 987 31 31 = = 21545 52619 15193 ... 42232 75109 46364 03809 = = 987 987 31 31 000 //3520 kHz	MCW	(AB-POL)
<b>M01b</b>	3535	29-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4590 kHz	MCW	(AB-POL/MPJ-HOL)
<b>M01b</b>	4590	29-4	1810	Mon	420 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3535 kHz	MCW	(AB-POL/MPJ-HOL)
<b>M01b</b>	3645	29-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //4455 kHz	MCW	(AB-POL/MPJ-HOL)
<b>M01b</b>	4455	29-4	1915	Mon	771 987 987 31 31 = = 21545 52619 15193 ... 75109 46364 03809 = = 987 987 31 31 000 //3645 kHz	MCW	(AB-POL/MPJ-HOL)
<b>M12</b>	18524	1-4	1400	Mon	548 548 548 000	CW	(AB-RUS/MPJ-RUS)
<b>M12</b>	17424	1-4	1420	Mon	548 548 548 000	CW	(AB-RUS/MPJ)
<b>M12</b>	8047	1-4	1800	Mon	463 463 463 1 6036 98 6036 98 17636 00899 70144 ... 20520 34591 31955 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	1-4	1820	Mon	463 463 463 1 6036 98 6036 98 17636 00899 70144 ... 20520 34591 31955 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	1-4	1840	Mon	463 463 463 1 6036 98 6036 98 17636 00899 70144 ... 20520 34591 31955 000 000	CW	(AB/MPJ)
<b>M12</b>	10343	1-4	2000	Mon	124 124 124 1 6232 106 6232 106 32722 98232 58701 ... 00679 50886 54747 000 000	CW	(AB)
<b>M12</b>	9264	1-4	2020	Mon	124 124 124 1 6232 106 6232 106 32722 98232 58701 ... 00679 50886 54747 000 000	CW	(AB)
<b>M12</b>	8116	1-4	2040	Mon	124 124 124 1 6232 106 6232 106 32722 98232 58701 ... 00679 50886 54747 000 000	CW	(AB)
<b>M12</b>	12174	3-4	1210	Wed	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(HFD)
<b>M12</b>	11479	3-4	1230	Wed	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(HFD)
<b>M12</b>	10974	3-4	1250	Wed	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(HFD)
<b>M12</b>	18524	3-4	1400	Wed	548 548 548 000	CW	(AB-RUS/MPJ-RUS)
<b>M12</b>	17424	3-4	1420	Wed	548 548 548 000	CW	(AB-RUS/MPJ-RUS)
<b>M12</b>	13453	3-4	1950	Wed	414 414 414 000	CW	(AB/HFD)
<b>M12</b>	12153	3-4	2010	Wed	414 414 414 000	CW	(AB/HFD)
<b>M12</b>	10572	4-4	2110	Thu	531 531 531 000	CW	(RL)
<b>M12</b>	9372	4-4	2130	Thu	531 531 531 000	CW	(RL)
<b>M12</b>	12174	5-4	1210	Fri	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(AB/MPJ)
<b>M12</b>	11474	5-4	1230	Fri	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(AB)
<b>M12</b>	10974	5-4	1250	Fri	149 149 149 1 244 200 244 200 84863 56230 81577 ... 30449 20208 19267 000 000	CW	(AB)
<b>M12</b>	13453	5-4	1950	Fri	414 414 414 000	CW	(AB)
<b>M12</b>	7575	6-4	2100	Sat	511 511 511 1 8610 29 8610 29 25725 59626 49569 ... 83892 63935 88588 000 000	CW	(AB)
<b>M12</b>	18524	8-4	1400	Mon	548 548 548 000	CW	(AB-RUS)
<b>M12</b>	17424	8-4	1420	Mon	548 548 548 000	CW	(AB-RUS/MPJ-RUS)
<b>M12</b>	8047	8-4	1800	Mon	463 463 463 1 1135 97 1135 97 77123 09203 03596 ... 05244 47541 88759 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	8-4	1820	Mon	463 463 463 1 1135 97 1135 97 77123 09203 03596 ... 05244 47541 88759 000 000	CW	(AB/MPJ)

M12	5788	8-4	1840	Mon	463 463 463 1 1135 97 1135 97 77123 09203 03596 ... 05244 47541 88759 000 000	CW	(AB/MPJ)
M12	10343	8-4	2000	Mon	124 124 124 1 9459 106 9459 106 53602 82317 45588 ... 87787 79628 35799 000 000	CW	(AB)
M12	9264	8-4	2020	Mon	124 124 124 1 9459 106 9459 106 53602 82317 45588 ... 87787 79628 35799 000 000	CW	(AB)
M12	8116	8-4	2040	Mon	124 124 124 1 9459 106 9459 106 53602 82317 45588 ... 87787 79628 35799 000 000	CW	(AB)
M12	10572	8-4	2110	Mon	531 531 531 000	CW	(RL)
M12	9372	8-4	2130	Mon	531 531 531 000	CW	(RL)
M12	9317	9-4	0530	Tue	135 135 135 1 1553 104 1553 104 17275 65666 55652 ... 14230 98520 74099 000 000	CW	(AB)
M12	10484	9-4	0550	Tue	135 135 135 1 1553 104 1553 104 17275 65666 55652 ... 14230 98520 74099 000 000	CW	(AB)
M12	11552	9-4	0610	Tue	135 135 135 1 1553 104 1553 104 17275 65666 55652 ... 14230 98520 74099 000 000	CW	(AB)
M12	12174	10-4	1210	Wed	149 149 149 000	CW	(AB/MPJ)
M12	11474	10-4	1230	Wed	149 149 149 000	CW	(AB/MPJ)
M12	18524	10-4	1400	Wed	548 548 548 000	CW	(AB-RUS/MPJ)
M12	17424	10-4	1420	Wed	548 548 548 000	CW	(AB-RUS/MPJ)
M12	12162	10-4	1710	Wed	546 546 546 1 2882 107 2882 107 05781 67005 20197 ... 96536 45712 53934 000 000	CW	(AB/MPJ)
M12	11566	10-4	1730	Wed	546 546 546 1 2882 107 2882 107 05781 67005 20197 ... 96536 45712 53934 000 000	CW	(AB/MPJ)
M12	10711	10-4	1750	Wed	546 546 546 1 2882 107 2882 107 05781 67005 20197 ... 96536 45712 53934 000 000	CW	(AB/MPJ)
M12	13453	10-4	1950	Wed	414 414 414 000	CW	(AB-RUS)
M12	12153	10-4	2010	Wed	414 414 414 000	CW	(AB)
M12	10904	11-4	0700	Thu	923 923 923 1 352 28 352 28 66976 37966 89621 ... 13197 55646 69617 000 000	CW	(AB-J)
M12	10204	11-4	0720	Thu	923 923 923 1 352 28 352 28 66976 37966 89621 ... 13197 55646 69617 000 000	CW	(AB-J)
M12	9304	11-4	0740	Thu	923 923 923 1 352 28 352 28 66976 37966 89621 ... 13197 55646 69617 000 000	CW	(AB-J)
M12	12162	11-4	1700	Thu	546 546 546 1 2016 105 2016 105 08688 86652 37574 ... 90177 48680 13930 000 000	CW	(AB/MPJ)
M12	11566	11-4	1720	Thu	546 546 546 1 2016 105 2016 105 08688 86652 37574 ... 90177 48680 13930 000 000	CW	(AB/MPJ)
M12	10711	11-4	1740	Thu	546 546 546 1 2016 105 2016 105 08688 86652 37574 ... 90177 48680 13930 000 000	CW	(AB/MPJ)
M12	10572	11-4	2110	Thu	531 531 531 000	CW	(RL)
M12	10572	11-4	2110	Thu	531 531 531 000	CW	(RL)
M12	9372	11-4	2130	Thu	531 531 531 000	CW	(RL)
M12	9372	11-4	2130	Thu	531 531 531 000	CW	(RL)
M12	12174	12-4	1210	Fri	149 149 149 000	CW	(AB/MPJ/RL)
M12	11474	12-4	1230	Fri	149 149 149 000	CW	(AB/MPJ)
M12	13453	12-4	1950	Fri	414 414 414 000	CW	(AB)
M12	12153	12-4	2010	Fri	414 414 414 000	CW	(AB)
M12	7575	12-4	2100	Fri	511 511 511 000	CW	(AB/RL)
M12	8175	12-4	2120	Fri	511 511 511 000	CW	(AB/RL)
M12	8047	13-4	1800	Sat	463 463 463 1 3809 95 3809 95 71965 93812 38652 ... 05353 40635 63031 000 000	CW	(AB)
M12	6802	13-4	1820	Sat	463 463 463 1 3809 95 3809 95 71965 93812 38652 ... 05353 40635 63031 000 000	CW	(AB)
M12	5788	13-4	1840	Sat	463 463 463 1 3809 95 3809 95 71965 93812 38652 ... 05353 40635 63031 000 000	CW	(AB)
M12	7575	13-4	2100	Sat	511 511 511 000	CW	(AB/RL)
M12	8175	13-4	2120	Sat	511 511 511 000	CW	(AB/RL)
M12	18524	15-4	1400	Mon	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-RUS)

M12	17424	15-4	1420	Mon	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-RUS)
M12	15824	15-4	1440	Mon	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-RUS)
M12	11435	15-4	1710	Mon	938 938 938 1 3232 106 3232 106 47465 52971 80075... 03703 73030 61736 000 000	CW	(AB/MPJ)
M12	10598	15-4	1730	Mon	938 938 938 1 3232 106 3232 106 47465 52971 80075... 03703 73030 61736 000 000	CW	(AB/MPJ)
M12	9327	15-4	1750	Mon	938 938 938 1 3232 106 3232 106 47465 52971 80075... 03703 73030 61736 000 000	CW	(AB/MPJ)
M12	8047	15-4	1800	Mon	463 463 463 1 1832 91 1832 91 93816 76043 64670 ... 48628 37840 3819 000 000	CW	(AB/MPJ)
M12	6802	15-4	1820	Mon	463 463 463 1 1832 91 1832 91 93816 76043 64670 ... 48628 37840 3819 000 000	CW	(AB/MPJ)
M12	5788	15-4	1840	Mon	463 463 463 1 1832 91 1832 91 93816 76043 64670 ... 48628 37840 3819 000 000	CW	(AB/MPJ)
M12	10343	15-4	2000	Mon	124 124 124 1 1115 107 1115 107 93970 02953 83489 ... 56461 70886 89106 000 000	CW	(AB/RL)
M12	9264	15-4	2020	Mon	124 124 124 1 1115 107 1115 107 93970 02953 83489 ... 56461 70886 89106 000 000	CW	(AB)
M12	8116	15-4	2040	Mon	124 124 124 1 1115 107 1115 107 93970 02953 83489 ... 56461 70886 89106 000 000	CW	(AB)
M12	10572	15-4	2110	Mon	531 531 531 000	CW	(AB/RL)
M12	9372	15-4	2130	Mon	531 531 531 000	CW	(AB/RL)
M12	9317	16-4	0530	Tue	135 135 135 1 7713 107 7713 107 03809 59695 22676 ... 88061 25029 81662 000 000	CW	(AB)
M12	10484	16-4	0550	Tue	135 135 135 1 7713 107 7713 107 03809 59695 22676 ... 88061 25029 81662 000 000	CW	(AB)
M12	11552	16-4	0610	Tue	135 135 135 1 7713 107 7713 107 03809 59695 22676 ... 88061 25029 81662 000 000	CW	(AB)
M12	10904	16-4	0700	Tue	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS/HFD)
M12	10204	16-4	0720	Tue	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS/HFD)
M12	9304	16-4	0740	Tue	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS/HFD)
M12	12174	17-4	1210	Wed	149 149 149 000	CW	(AB/MPJ)
M12	11474	17-4	1230	Wed	149 149 149 000	CW	(AB/MPJ)
M12	18524	17-4	1400	Wed	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-QAT/MPJ/HFD)
M12	17424	17-4	1420	Wed	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-QAT/MPJ/HFD-QAT)
M12	15824	17-4	1440	Wed	548 548 548 1 413 40 413 40 08480 96258 89299 ... 80284 35146 53219 000 000	CW	(AB-QAT/MPJ/HFD)
M12	12162	17-4	1710	Wed	546 546 546 1 5213 108 5213 108 87742 20895 32255 ... 21784 00644 57433 000 000	CW	(AB/MPJ)
M12	11566	17-4	1730	Wed	546 546 546 1 5213 108 5213 108 87742 20895 32255 ... 21784 00644 57433 000 000	CW	(AB/MPJ)
M12	10711	17-4	1750	Wed	546 546 546 1 5213 108 5213 108 87742 20895 32255 ... 21784 00644 57433 000 000	CW	(AB/MPJ)
M12	13453	17-4	1950	Wed	414 414 414 000	CW	(AB-RUS/RL)
M12	12153	17-4	2010	Wed	414 414 414 000	CW	(AB/RL)
M12	10904	18-4	0700	Thu	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS)
M12	10204	18-4	0720	Thu	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS)
M12	9304	18-4	0740	Thu	923 923 923 1 145 88 145 88 27085 86895 97349 ... 65868 38598 35669 000 000	CW	(AB-RUS)
M12	12162	18-4	1710	Thu	546 546 546 1 4168 107 4168 107 93017 61193 57235 ... 84503 85760 88867 000 000	CW	(AB/MPJ)
M12	11566	18-4	1730	Thu	546 546 546 1 4168 107 4168 107 93017 61193 57235 ... 84503 85760 88867 000 000	CW	(AB/MPJ)
M12	10711	18-4	1750	Thu	546 546 546 1 4168 107 4168 107 93017 61193 57235 ... 84503 85760 88867 000 000	CW	(AB/MPJ)
M12	10572	18-4	2110	Thu	531 531 531 000	CW	(AB/RL/HFD)
M12	9372	18-4	2130	Thu	531 531 531 000	CW	(RL/HFD)
M12	12174	19-4	1210	Fri	149 149 149 000	CW	(AB)
M12	11474	19-4	1230	Fri	149 149 149 000	CW	(AB)

M12	13453	19-4	1950	Fri	414 414 414 000	CW	(AB/RL)
M12	12153	19-4	2010	Fri	414 414 414 000	CW	(AB/RL)
M12	7575	19-4	2100	Fri	511 511 511 000	CW	(AB/RL)
M12	8175	19-4	2120	Fri	511 511 511 000	CW	(AB/RL)
M12	8047	20-4	1800	Sat	463 463 463 1 4337 91 4337 91 53978 55803 89748 ... 36144 95430 66891 000 000	CW	(AB)
M12	6802	20-4	1820	Sat	463 463 463 1 4337 91 4337 91 53978 55803 89748 ... 36144 95430 66891 000 000	CW	(AB)
M12	5788	20-4	1840	Sat	463 463 463 1 4337 91 4337 91 53978 55803 89748 ... 36144 95430 66891 000 000	CW	(AB)
M12	7575	20-4	2100	Sat	511 511 511 000	CW	(AB/RL)
M12	8175	20-4	2120	Sat	511 511 511 000	CW	(AB/RL)
M12	11012	20-4	2210	Sat	923 923 923 1 5684 80 20988 39870 62929 86971 ... 46094 56379 24486 06651 000 000	CW	(RL/HFD)
M12	10212	20-4	2230	Sat	923 923 923 1 5684 80 20988 39870 62929 86971 ... 46094 56379 24486 06651 000 000	CW	(HFD)
M12	9312	20-4	2250	Sat	923 923 923 1 5684 80 20988 39870 62929 86971 ... 46094 56379 24486 06651 000 000	CW	(HFD)
M12	18524	22-4	1400	Mon	548 548 548 000	CW	(AB-RUS/MPJ)
M12	17424	22-4	1420	Mon	548 548 548 000	CW	(AB-RUS/MPJ)
M12	11435	22-4	1710	Mon	938 938 938 1 8869 110 8869 110 87944 12823 99045 ... 10236 68741 87921 000 000	CW	(AB/MPJ)
M12	10598	22-4	1730	Mon	938 938 938 1 8869 110 8869 110 87944 12823 99045 ... 10236 68741 87921 000 000	CW	(AB/MPJ)
M12	9327	22-4	1750	Mon	938 938 938 1 8869 110 8869 110 87944 12823 99045 ... 10236 68741 87921 000 000	CW	(AB/MPJ)
M12	8047	22-4	1800	Mon	463 463 463 1 5160 97 5160 97 99881 20854 64029 ... 87089 71669 99814 000 000	CW	(AB/MPJ)
M12	6802	22-4	1820	Mon	463 463 463 1 5160 97 5160 97 99881 20854 64029 ... 87089 71669 99814 000 000	CW	(AB/MPJ)
M12	5788	22-4	1840	Mon	463 463 463 1 5160 97 5160 97 99881 20854 64029 ... 87089 71669 99814 000 000	CW	(AB/MPJ)
M12	10343	22-4	2000	Mon	124 124 124 1 6625 104 6625 104 64836 12238 34307 ... 12802 89911 08012 000 000	CW	(AB)
M12	9264	22-4	2020	Mon	124 124 124 1 6625 104 6625 104 64836 12238 34307 ... 12802 89911 08012 000 000	CW	(AB/RL)
M12	8116	22-4	2040	Mon	124 124 124 1 6625 104 6625 104 64836 12238 34307 ... 12802 89911 08012 000 000	CW	(AB/RL)
M12	10572	22-4	2110	Mon	531 531 531 000	CW	(AB/RL)
M12	9372	22-4	2130	Mon	531 531 531 000	CW	(AB/RL)
M12	10904	23-4	0700	Tue	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-J)
M12	10204	23-4	0720	Tue	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-J)
M12	9304	23-4	0740	Tue	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-J)
M12	11435	23-4	1800	Tue	938 938 938 1 1385 110 1385 110 49930 42800 83411 ... 44634 90747 23106 000 000	CW	(AB)
M12	10598	23-4	1820	Tue	938 938 938 1 1385 110 1385 110 49930 42800 83411 ... 44634 90747 23106 000 000	CW	(AB)
M12	9327	23-4	1840	Tue	938 938 938 1 1385 110 1385 110 49930 42800 83411 ... 44634 90747 23106 000 000	CW	(AB)
M12	12174	24-4	1210	Wed	149 149 149 000	CW	(MPJ)
M12	11474	24-4	1230	Wed	149 149 149 000	CW	(MPJ)
M12	18524	24-4	1400	Wed	548 548 548 000	CW	(AB-RUS/MPJ)
M12	17424	24-4	1420	Wed	548 548 548 000	CW	(AB-RUS/MPJ)
M12	12162	24-4	1710	Wed	546 546 546 1 2970 106 2970 106 11179 11540 04281 ... 28926 02920 32107 000 000	CW	(AB/MPJ)
M12	11566	24-4	1730	Wed	546 546 546 1 2970 106 2970 106 11179 11540 04281 ... 28926 02920 32107 000 000	CW	(AB/MPJ/RL)
M12	10711	24-4	1750	Wed	546 546 546 1 2970 106 2970 106 11179 11540 04281 ... 28926 02920 32107 000 000	CW	(AB/MPJ)
M12	13453	24-4	1950	Wed	414 414 414 000	CW	(AB/RL)
M12	12153	24-4	2010	Wed	414 414 414 000	CW	(AB/RL)

M12	11012	24-4	2210	Wed	923 923 923 000	CW	(RL)
M12	10212	24-4	2230	Wed	923 923 923 000	CW	(RL)
M12	10904	25-4	0700	Thu	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-RUS)
M12	10204	25-4	0720	Thu	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-RUS)
M12	9304	25-4	0740	Thu	923 923 923 1 185 24 185 24 90534 96697 64473 ... 42783 76912 43596 000 000	CW	(AB-RUS)
M12	12162	25-4	1710	Thu	546 1 8189 108 46893 05921 53652 ... 56762 90846 74923 000 000	CW	(MPJ)
M12	11566	25-4	1730	Thu	546 1 8189 108 46893 05921 53652 ... 56762 90846 74923 000 000	CW	(MPJ)
M12	10711	25-4	1750	Thu	546 1 8189 108 46893 05921 53652 ... 56762 90846 74923 000 000	CW	(MPJ)
M12	10572	25-4	2110	Thu	531 531 531 000	CW	(RL)
M12	9372	25-4	2130	Thu	531 531 531 000	CW	(RL)
M12	12174	26-4	1210	Fri	149 149 149 000	CW	(AB/MPJ)
M12	11474	26-4	1230	Fri	149 149 149 000	CW	(AB/MPJ)
M12	13453	26-4	1950	Fri	414 414 414 000	CW	(AB/RL)
M12	12153	26-4	2010	Fri	414 414 414 000	CW	(AB/RL)
M12	7575	26-4	2100	Fri	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL/HFD)
M12	8175	26-4	2120	Fri	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL/HFD)
M12	9175	26-4	2140	Fri	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL/HFD)
M12	8047	27-4	1800	Sat	463 463 463 1 4179 100 4179 100 ??633 68827 49339 ... 65708 27060 69455 000 000	CW	(AB)
M12	6802	27-4	1820	Sat	463 463 463 1 4179 100 4179 100 ??633 68827 49339 ... 65708 27060 69455 000 000	CW	(AB)
M12	5788	27-4	1840	Sat	463 463 463 1 4179 100 4179 100 ??633 68827 49339 ... 65708 27060 69455 000 000	CW	(AB)
M12	7575	27-4	2100	Sat	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL)
M12	8175	27-4	2120	Sat	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL)
M12	9175	27-4	2140	Sat	511 511 511 1 145 20 145 20 43424 49933 81802 ... 73620 27850 54030 000 000	CW	(AB/RL)
M12	11012	27-4	2210	Sat	923 923 923 000	CW	(AB)
M12	10212	27-4	2230	Sat	923 923 923 000	CW	(AB/RL)
M12	18524	29-4	1400	Mon	548 548 548 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW	(AB-RUS/MPJ-RUS)
M12	17424	29-4	1420	Mon	548 548 548 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW	(AB-RUS/MPJ-RUS)
M12	15824	29-4	1440	Mon	548 548 548 1 223 266 223 266 85380 21718 15513 ... 81934 54153 55267 000 000	CW	(AB-RUS/MPJ-RUS)
M12	11435	29-4	1710	Mon	938 938 938 1 3841 108 3841 108 18395 74986 02465 ... 81747 35642 79006 000 000	CW	(AB/MPJ)
M12	10598	29-4	1730	Mon	938 938 938 1 3841 108 3841 108 18395 74986 02465 ... 81747 35642 79006 000 000	CW	(AB/MPJ)
M12	9327	29-4	1750	Mon	938 938 938 1 3841 108 3841 108 18395 74986 02465 ... 81747 35642 79006 000 000	CW	(AB/MPJ)
M12	8047	29-4	1800	Mon	463 463 463 1 7350 94 7350 94 95409 88239 84978 ... 60630 61002 70716 000 000	CW	(AB)
M12	6802	29-4	1820	Mon	463 463 463 1 7350 94 7350 94 95409 88239 84978 ... 60630 61002 70716 000 000	CW	(AB)
M12	5788	29-4	1840	Mon	463 463 463 1 7350 94 7350 94 95409 88239 84978 ... 60630 61002 70716 000 000	CW	(AB)
M12	10343	29-4	2000	Mon	124 124 124 1 9639 107 9639 107 54592 33358 73252 ... 44398 53646 97997 000 000	CW	(AB/RL)
M12	9264	29-4	2020	Mon	124 124 124 1 9639 107 9639 107 54592 33358 73252 ... 44398 53646 97997 000 000	CW	(AB/RL)
M12	8116	29-4	2040	Mon	124 124 124 1 9639 107 9639 107 54592 33358 73252 ... 44398 53646 97997 000 000	CW	(AB/RL)
M12	10572	29-4	2110	Mon	531 531 531 000	CW	(AB/RL)
M12	9372	29-4	2130	Mon	531 531 531 000	CW	(AB/RL)
M12	9317	30-4	0530	Tue	135 135 135 1 1402 10 1402 110 89051 19353 91283 ... 10196 38720 43915 000 000	CW	(AB)

<b>M12</b>	10484	30-4	0550	Tue	135 135 135 1 1402 10 1402 110 89051 19353 91283 ... 10196 38720 43915 000 000	CW	(AB)
<b>M12</b>	11552	30-4	0610	Tue	135 135 135 1 1402 10 1402 110 89051 19353 91283 ... 10196 38720 43915 000 000	CW	(AB)
<b>M12</b>	11435	30-4	1800	Tue	938 938 938 1 4853 108 4853 108 19227 47100 65118 ... 67656 34395 65063 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	30-4	1820	Tue	938 938 938 1 4853 108 4853 108 19227 47100 65118 ... 67656 34395 65063 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	30-4	1840	Tue	938 938 938 1 4853 108 4853 108 19227 47100 65118 ... 67656 34395 65063 000 000	CW	(AB/MPJ/LA6LU)
<b>M14</b>	5775	2-4	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
<b>M14</b>	5275	5-4	1900	Fri	735 735 735 00000	MCW	(AB)
<b>M14</b>	4874	5-4	2000	Fri	735 735 735 00000	MCW	(AB)
<b>M14</b>	4730	6-4	0800	Sat	523 130 130 45 45 = = 34567 27654 19034 ... 39657 40934 48713 = = 130 130 45 45 00000	MCW	(AB)
<b>M14</b>	4650	6-4	0900	Sat	523 130 130 45 45 = = 34567 27654 19034 ... 39657 40934 48713 = = 130 130 45 45 00000	MCW	(AB)
<b>M14</b>	5938	9-4	1820	Tue	346 673 673 42 42 = = 90635 25146 78456 ... 22567 78231 45279 = = 673 673 42 42 00000	MCW	(AB/HFD)
<b>M14</b>	5463	10-4	1920	Wed	537 673 673 42 42 = = 90635 25146 78456 ... 22567 78231 45279 = = 673 673 42 42 00000	MCW	(AB)
<b>M14</b>	4730	13-4	0800	Sat	523 32 352 36 36 = = 35189 46276 90623 ... 56219 90451 64321 = = 352 352 36 36 00000	MCW	(AB-FIN)
<b>M14</b>	4650	13-4	0900	Sat	523 32 352 36 36 = = 35189 46276 90623 ... 56219 90451 64321 = = 352 352 36 36 00000	MCW	(AB-FIN)
<b>M14</b>	5775	16-4	1600	Tue	239 239 239 00000	MCW	(AB)
<b>M14</b>	5275	19-4	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
<b>M14</b>	5275	19-4	1905	Fri	932 86526 68687 24048 56	MCW	(AB)
<b>M14</b>	5275	19-4	1907	Fri	37715 04315 82270 64164 76146	MCW	(AB)
<b>M14</b>	4874	19-4	2000	Fri	735 735 735 00000	MCW	(AB)
<b>M14</b>	4730	20-4	0800	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL)
<b>M14</b>	4730	20-4	0816	Sat	Test: 82 32952 80045 78625 99929	MCW	(AB-POL)
<b>M14</b>	4650	20-4	0900	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL)
<b>M14</b>	5945	23-4	1820	Tue	946 673 673 42 42 = = 90635 25146 78456 ... 22567 78231 45279 = = 673 673 42 42 00000	MCW	(AB/MPJ/RL)
<b>M14</b>	5470	24-4	1920	Wed	537 903 903 3333 (!) = = 18142 35271 ... 26713 33678 90351 = = 903 903 43 43 00000. Problems with transmission.	MCW	(MPJ)
<b>M14</b>	4730	27-4	0800	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL)
<b>M14</b>	4650	27-4	0900	Sat	523 676 676 41 41 = = 25189 90461 16327 ... 46286 33189 56213 = = 676 676 41 41 00000	MCW	(AB-POL)
<b>M21</b>	4416	16-4	1318	Tue	=991618??0???? =991619??0???? =991620??0????	CW	(F5JBR)
<b>M21</b>	8529	21-4	1123	Sun	=991423??8???? =991424??8???? =991425??8????	CW	(F5JBR)
<b>M21</b>	8081	22-4	0607	Mon	960 9835 and 590 65179170 350. 960 983585907. 960 98355818960 98355 60 9	CW	(F5JBR)
<b>M21</b>	6922	22-4	0656	Mon	1310 650 1010415 = 1310 650 1312356 = 1310 650 1312258 = 1310 650 1312101 = 2310 650 1970233 = ...	CW	(F5JBR)
<b>M22</b>	9377	8-4	1640	Mon	VVV DE 4XZ 4XZ = =	CW	(AB)
<b>M22</b>	4331	9-4	1648	Tue	VVV DE 4XZ 4XZ = = on 4331, 6607, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	6607	9-4	1648	Tue	VVV DE 4XZ 4XZ = = on 4331, 6607, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	8319	9-4	1648	Tue	VVV DE 4XZ 4XZ = = on 4331, 6607, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	9377	9-4	1648	Tue	VVV DE 4XZ 4XZ = = on 4331, 6607, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	9377	11-4	2115	Thu	4XZ i.p. qxxml ktrrl gwgkm trbwe d aa phwuz madko rykpt uanbq = = nae 82 om v rw9n 03321 ... vvv de 4xz 4xz = =	CW	(RL)
<b>M22</b>	8319	12-4	2028	Fri	i.p. tmnrh iqdkz mugeh ywycm = = nr 992 ol v qn2l 112221 bc2q gr 02 = = ar ar vvv de 4xz	CW	(RL)



					4xz = =		
<b>M22</b>	6607	19-4	0514	Fri	VVV DE 4XZ 4XZ = = on 6607, 7352, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	7352	19-4	0514	Fri	VVV DE 4XZ 4XZ = = on 6607, 7352, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	8319	19-4	0514	Fri	VVV DE 4XZ 4XZ = = on 6607, 7352, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	9377	19-4	0514	Fri	VVV DE 4XZ 4XZ = = on 6607, 7352, 8319, 9377 kHz	CW	(F5JBR)
<b>M22</b>	6607	29-4	2340	Mon	VVV DE 4XZ 4XZ = =	CW	(LA6LU)
<b>M22</b>	4331	30-4	0102	Tue	VVV DE 4XZ 4XZ == N AR NW QTC 1 NR 696 == NR 696 ...(LA6LU-NOR1)	CW	(LA6LU)
<b>M23</b>	14100	1-4	1658	Mon	051 (R12) Long zeros	CW	(AB)
<b>M23</b>	14100	2-4	1658	Tue	051 (R12) Long zeros	CW	(AB/RL)
<b>M23</b>	14100	3-4	0858	Wed	548 (R12)	CW	(AB)
<b>M23</b>	14100	3-4	1658	Wed	051 (R12) Long zeros	CW	(AB/MPJ/RL)
<b>M23</b>	14100	4-4	0858	Thu	548 (R12)	CW	(AB)
<b>M23</b>	14100	4-4	1658	Thu	051 (R12) Long zeros	CW	(AB/CK/MPJ/RL)
<b>M23</b>	14100	5-4	0858	Fri	548 (R12)	CW	(AB/CK)
<b>M23</b>	14100	5-4	1658	Fri	051 (R12) Long zeros	CW	(MPJ/RL)
<b>M32</b>	6520	19-4	0906	Fri	i.p. 20093 77714 00877 19027 878 QLN K	CW	(AB)
<b>M32b</b>	8816	8-4	0612	Mon	Russian Naval Air rjf94 rjc38 de 52955 qth 16638 13539 qtr 0608 qbg 5800 qre XLAA 0700 k. qqm XLAA 0702 sk	CW	(WP3)
<b>M32b</b>	8816	8-4	0811	Mon	Russian Naval Air rjf94 rjc38 de 52955 qto 0800 qrd XLWF XLAA qre 0940 qbd 0445 k -	CW	(WP3)
<b>M32c</b>	8029	8-4	0620	Mon	Russian Air Force Bear net: W-marker, also at 0640 UTC	CW	(WP3)
<b>M32c</b>	5293	9-4	0959	Tue	XXX XXX 1ShchRF 1ShchRF 34101 POMADNYJ 2227 6163	CW	(Gwr)
<b>M32c</b>	5293	9-4	1003	Tue	XXX XXX 1ShchRF 1ShchRF 65058 MOLOChES 0834 5995 DOZhOHARCh 8767 4565	CW	(Gwr)
<b>M32c</b>	5293	9-4	1019	Tue	XXX XXX MSK7 MSK7 89647 OFITOGUMA 1696 9785	CW	(Gwr)
<b>M32c</b>	5293	9-4	1032	Tue	XXX XXX MSK7 MSK7 54646 ZNAKOKRAT 5188 9626	CW	(Gwr)
<b>M32c</b>	5293	9-4	1033	Tue	XXX XXX MSK7 MSK7 64626 MINNYJ 9324 1828	CW	(Gwr)
<b>M32c</b>	5293	9-4	1034	Tue	XXX XXX MSK7 MSK7 78469 RAMOSHIFR 6114 0761	CW	(Gwr)
<b>M32c</b>	5293	9-4	1036	Tue	XXX XXX MSK7 MSK7 16963 SULA 2661 5793	CW	(Gwr)
<b>M32c</b>	5293	9-4	1038	Tue	XXX XXX MSK7 MSK7 03098 ROVREMENNYJ 3944 0814	CW	(Gwr)
<b>M32c</b>	5293	9-4	1053	Tue	XXX XXX MSK7 MSK7 39808 RAZREZhEN'E 6853 6393	CW	(Gwr)
<b>M32c</b>	5293	9-4	1100	Tue	XXX XXX 1ShchRF 1ShchRF 15616 SPIRITOVAN'E 0378 7161	CW	(Gwr)
<b>M32c</b>	5293	11-4	1034	Thu	XXX XXX 1ShchRF 1ShchRF 22202 SUDOWOJ 1020 3678 K	CW	(Gwr)
<b>M32c</b>	5293	11-4	1137	Thu	XXX XXX 1ShchRF 1ShchRF 14696 TONChAJShIJ 9218 6682 K	CW	(Gwr)
<b>M32c</b>	5293	11-4	1157	Thu	XXX XXX 1ShchRF 1ShchRF 58713 REKRUTSKIJ 1129 3804 K	CW	(Gwr)
<b>M42</b>	13447	7-4	1900	Sun	Russian intel.	MFSK-16	(AB)
<b>M42</b>	14655	10-4	0746	Wed	MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 15762 kHz. No traffic noted	Serdolik MFSK	(Danix)
<b>M42</b>	12148	15-4	0749	Mon	MFA Moscow msg to Russian embassy Bern	MFSK-66+8PSK	(AB)
<b>M42</b>	18332	22-4	1300	Mon	MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 16260 kHz	MFSK-66/45Bd	(Danix)
<b>M42</b>	14655	23-4	0833	Tue	MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 15762 kHz	MFSK-66/45Bd	(Danix)
<b>M42</b>	12120	23-4	0922	Tue	MFA Moscow wkg Russian embassy Addis Ababa ETH, QSX 18440 kHz	MFSK-66/45Bd	(Danix)
<b>M42b</b>	6857	12-4	0511	Fri	G3WM wkg SK8I. Opchat in CW. Messages in FSK 50/500. QSX on 7891 kHz	CW + FSK 50/500	(F5JBR)

<b>M42b</b>	4032	12-4	0551	Fri	G5OP wkg SN7D. Opchat in CW. Messages in FSK 50/500	CW + FSK 50/500	(F5JBR)
<b>M42b</b>	5471	12-4	0551	Fri	UOZG wkg WDAK. Opchat in CW. Messages in FSK 50/500. QSX on 5921 kHz	CW + FSK 50/500	(F5JBR)
<b>M51b</b>	6825	23-4	1248	Tue	i.p. GKDHY XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC ...	CW	(AB)
<b>M89</b>	3156	3-4	1509	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	3-4	1509	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	3642	3-4	1857	Wed	V DKG6 de 3A8D	CW	(MPJ)
<b>M89</b>	3156	4-4	2232	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	4-4	2232	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	4-4	2251	Thu	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	4-4	2251	Thu	V N72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
<b>M89</b>	4131	4-4	2257	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	4192	5-4	1219	Fri	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
<b>M89</b>	3156	5-4	1220	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	5-4	1220	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	5691	8-4	0619	Mon	V D72H (x3) DE 1HM4 (x2) Note: New frequency for this round slip	CW	(JPL)
<b>M89</b>	4980	8-4	0641	Mon	i.p. 75U7 AU73 UD74	CW	(JPL)
<b>M89</b>	6913	8-4	0641	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	8-4	0641	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	7433	8-4	0657	Mon	i.p. SN7C NR 1002/EX 0903 = MCX6/FLO5 AR NU1002/EX 0903MCX6/FLO5 AR	CW	(JPL)
<b>M89</b>	8066	8-4	0657	Mon	i.p. 7336 AR K. 03P 01W GA = TI EEEEE = 37UN 4354 N44U NNN3 TTAU 4ATA NNUT 3U45 T5NA TAN3 TA36 AR K	CW	(JPL)
<b>M89</b>	6046	8-4	0704	Mon	i.p. NR 1003/EX 0906 = BCR5/BAY3 AR QSY 02 QSY 02 QSY 02 VVV	CW	(JPL)
<b>M89</b>	6565	8-4	0706	Mon	i.p. R GA R 1P 1W = N4AN 476T 6A3D N4TU UATU ...	CW	(JPL)
<b>M89</b>	4131	8-4	1508	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	8-4	1510	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	8-4	1510	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	8-4	1511	Mon	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	8-4	1511	Mon	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
<b>M89</b>	4620	8-4	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
<b>M89</b>	4720	8-4	1520	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	4860	8-4	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 6840	CW	(JPL)
<b>M89</b>	5150	8-4	1520	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	6840	8-4	1520	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
<b>M89</b>	6913	9-4	0657	Tue	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	9-4	0657	Tue	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	5691	9-4	0741	Tue	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
<b>M89</b>	4412	9-4	1111	Tue	i.p. C2D AR FF NR 0641/EX 1910 = A1B/C2D AR F NR 0641/EX 1910 =	CW	(JPL)
<b>M89</b>	7620	9-4	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	9-4	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	5544	10-4	0724	Wed	i.p. 75N4 DATU 4T57 UND3 6A4T 57NU	CW	(JPL)



<b>M89</b>	5691	10-4	0741	Wed	V D72H (x3) DE 1HM4 (x2) //6881 (new frequencies)	CW	(JPL)
<b>M89</b>	6881	10-4	0741	Wed	V D72H (x3) DE 1HM4 (x2) //5691 (new frequencies)	CW	(JPL)
<b>M89</b>	6913	10-4	0742	Wed	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	10-4	0742	Wed	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	5880	10-4	0747	Wed	i.p. NDN7 A63A T7DU N6N3 7D6N	CW	(JPL)
<b>M89</b>	5233	10-4	0749	Wed	i.p. D444 37UN 4766 65AD 576N	CW	(JPL)
<b>M89</b>	4131	10-4	1640	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	10-4	1641	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	10-4	1641	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	10-4	1642	Wed	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	10-4	1642	Wed	i.p. = 15485 /4005/2 ? /0200/117//3915 AR Y = 15485/3? /4005/0200/117//3915 AR. V D72H DE 1HM4 //4192	CW	(JPL)
<b>M89</b>	4131	11-4	1450	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	11-4	1451	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	11-4	1451	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	11-4	1453	Thu	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	11-4	1453	Thu	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
<b>M89</b>	6913	13-4	0859	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	13-4	0859	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	5691	13-4	0920	Sat	V HFL2 (x3) DE M6NY (x2) Note: New frequency for this round slip	CW	(JPL)
<b>M89</b>	4131	13-4	1515	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	13-4	1516	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	13-4	1516	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	4192	13-4	1518	Sat	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	13-4	1518	Sat	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)
<b>M89</b>	4620	13-4	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 AND 6840	CW	(JPL)
<b>M89</b>	4720	13-4	1520	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
<b>M89</b>	4860	13-4	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 AND 6840	CW	(JPL)
<b>M89</b>	5150	13-4	1520	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
<b>M89</b>	6840	13-4	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860	CW	(JPL)
<b>M89</b>	5920	14-4	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
<b>M89</b>	6840	14-4	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
<b>M89</b>	10640	14-4	0820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
<b>M89</b>	7620	14-4	0830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	14-4	0830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	6913	14-4	0839	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	14-4	0839	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	5691	14-4	0841	Sun	V D72H (x3) DE 1HM4 (x2)	CW	(JPL)
<b>M89</b>	4192	14-4	1308	Sun	V D72H (x3) DE 1HM4 (x2) //4489	CW	(JPL)
<b>M89</b>	4489	14-4	1308	Sun	V D72H (x3) DE 1HM4 (x2) //4192	CW	(JPL)

M89	3156	14-4	1309	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	14-4	1309	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5691	15-4	0841	Mon	V D72H (x3) DE 1HM4 (x2) Note: Sending 1HK4 vice IHM4	CW	(JPL)
M89	5123	15-4	0845	Mon	i.p. R QSL 1646 K R OK R R A H FF NR 6082/EX 1646 =	CW	(JPL)
M89	5219	15-4	0852	Mon	i.p. CK 99 .3 0415 1600 RMKS = .575 TO 0335 /9750/0525/0225 TO 0575 AR K = = ..N35 5D47 366T 3...	CW	(JPL)
M89	3156	15-4	0915	Mon	V 3JWV (x3) DE QH4P (x2) //3597 and 6913 and 7397	CW	(JPL)
M89	3597	15-4	0915	Mon	V 3JWV (x3) DE QH4P (x2) //3156 and 6913 and 7397	CW	(JPL)
M89	6913	15-4	0915	Mon	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 7397	CW	(JPL)
M89	7397	15-4	0915	Mon	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 6913	CW	(JPL)
M89	4131	15-4	1127	Mon	i.p. R QSL TIME 1922 HR WK NR 117 AR R DE ZXO9 QSL TIME 1922 HR WK NR 159 AR	CW	(JPL)
M89	4131	15-4	1736	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3597	16-4	1300	Tue	3JWV de QH4P V //3156 kHz	CW	(F5JBR)
M89	4192	16-4	1307	Tue	2B7D de 3GR1 V	CW	(F5JBR)
M89	4489	16-4	1315	Tue	D72H de 1HK4 V	CW	(F5JBR)
M89	4886	16-4	1612	Tue	JKDJ de SLBC V	CW	(F5JBR)
M89	4131	23-4	1913	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	23-4	1915	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	23-4	1915	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	23-4	1921	Tue	V 2B7D (x3) DE 3GR1 (x2) //4489 sending different round slip	CW	(JPL)
M89	4489	23-4	1921	Tue	V D72H (x3) DE 1HM4 (x2) //4192 sending different round slip	CW	(JPL)
M89	5177	30-4	0207	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5691	30-4	0211	Tue	V D72H (x3) DE 1HK4 (x2)	CW	(JPL)
M89	6913	30-4	0214	Tue	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	30-4	0214	Tue	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	3156	30-4	1205	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	30-4	1205	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4186	30-4	1207	Tue	V D72H (x3) DE 1HM4 (x2) //4489 sending 1HK4 vice IHM4.	CW	(JPL)
M89	4489	30-4	1207	Tue	V D72H (x3) DE 1HK4 (x2) //4186 sending 1HM4 vice IHK4.	CW	(JPL)
M95	3642	3-4	1506	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	3-4	1506	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	4-4	2230	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	8-4	0611	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	8-4	0611	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	8-4	1506	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	8-4	1506	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	9-4	0652	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	9-4	0652	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5700	9-4	0706	Tue	i.p. RMKS 7546 TO 8348 K R = N5TU 47D3 A65N A63U 4D7T NT4A U635 7D5N 63T7 A4UD ... AR K	CW	(JPL)

M95	8073	9-4	1140	Tue	BNGC DE XSV85 HR MSG GA PSE CY NR 0284 CK 287 35 0409 1556 = TTN 3U6 3AN 3U7 TAU 773 35U 4AA NN3 435 ... //4364	CW	(JPL)
M95	4243	9-4	1142	Tue	VVV HR MSG TO YR PSE CY NR 084 CK 42 35 0409 1537 = 5AA UTT TTN 3U6 3A4 TTU TT3 773 354 365 N3D ... AR	CW	(JPL)
M95	5801	10-4	0717	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	10-4	0717	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	10-4	1638	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	10-4	1638	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	11-4	1448	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	11-4	1448	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	13-4	0843	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	13-4	0843	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4243	13-4	0901	Sat	i.p. DU 5AA 75U 354 373 N44 36T N3D III = .53 4TN 346 UUT N3D 4A5 446 ... AR A HR UP SB WK //7345 (replaces 4243//9054)	CW	(JPL)
M95	7345	13-4	0901	Sat	i.p. DU 5AA 75U 354 373 N44 36T N3D III = .53 4TN 346 UUT N3D 4A5 446 ... AR A HR UP SB WK //4243 (replaces 4243//9054)	CW	(JPL)
M95	3642	13-4	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	13-4	1513	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	14-4	0816	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	14-4	0816	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4243	14-4	0832	Sun	i.p. 446 3D. 4D3 AR A HR MSG GA NR 28 CK 164 35 0414 1555 = UTU TA4 3U6 3A4 TTU 773 3.A N3D ... //90540	CW	(JPL)
M95	7345	14-4	0832	Sun	i.p. 446 3D. 4D3 AR A HR MSG GA NR 28 CK 164 35 0414 1555 = UTU TA4 3U6 3A4 TTU 773 3.A N3D ... //4243	CW	(JPL)
M95	5801	15-4	1122	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-4	1122	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	15-4	1131	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0296 CK 188 35 0415 1623 = //8073	CW	(JPL)
M95	8073	15-4	1131	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0296 CK 188 35 0415 1623 = //4364	CW	(JPL)
M95	4243	15-4	1147	Mon	VVV HR MSG TO YR PSE CY NR 096 CK 32 35 0415 1508 = 5AA UTT TA5 3U6 3A4 TTU TT3 773 35A N3D ... //9054	CW	(JPL)
M95	9054	15-4	1147	Mon	VVV HR MSG TO YR PSE CY NR 096 CK 32 35 0415 1508 = 5AA UTT TA5 3U6 3A4 TTU TT3 773 35A N3D ... //4243	CW	(JPL)
M95	3642	15-4	1738	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-4	1738	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3640	23-4	1909	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-4	1909	Tue	V DKG6 (x3) DE 3A7D (x2) //3640	CW	(JPL)
M95	3642	30-4	0205	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	30-4	0205	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	30-4	1141	Tue	V BNGC (x3) DE XSV85 (x2) A HR MSGS GA PSE CY NR 0326 CK 2.. 35 0430 1559 = T3T 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)

<b>M95</b>	8073	30-4	1141	Tue	V BNGC (x3) DE XSV85 (x2) A HR MSGS GA PSE CY NR 0326 CK 2.. 35 0430 1559 = T3T 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)
<b>M95</b>	4243	30-4	1147	Tue	HR MSG TO YR PSE CY NR 026 CK 51 35 0430 1534 = 5AA UTT T4T 3U6 3A4 ... //9054	CW	(JPL)
<b>M95</b>	9054	30-4	1147	Tue	HR MSG TO YR PSE CY NR 026 CK 51 35 0430 1534 = 5AA UTT T4T 3U6 3A4 ... //4243	CW	(JPL)
<b>M95</b>	5801	30-4	1157	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	30-4	1157	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>MX</b>	5466	4-4	1811	Thu	Beacon V	CW	(AB)
<b>MX</b>	16331.7	10-4	1439	Wed	Beacon D, Sevastopol	CW	(MPJ)
<b>MX</b>	16331.7	11-4	1417	Thu	Beacon D, Sevastopol	CW	(MPJ)
<b>MX</b>	3168.5	12-4	0631	Fri	Beacon L, St Petersburg	CW	(F5JBR)
<b>MX</b>	5466	12-4	1928	Fri	Beacon V	CW	(AB)
<b>MX</b>	13538.7	13-4	1928	Sat	Beacon D, Sevastopol	CW	(MPJ)
<b>MX</b>	13527.1	15-4	1604	Mon	Beacon A, Astrakhan	CW	(MPJ)
<b>MX</b>	13527.7	15-4	1604	Mon	Beacon D, Sevastopol	CW	(MPJ)
<b>MX</b>	13527.9	15-4	1604	Mon	Beacon S, Severomorsk	CW	(MPJ)
<b>MX</b>	13528	15-4	1604	Mon	Beacon C, Moscow	CW	(MPJ)
<b>MX</b>	16332.2	18-4	0553	Thu	Beacon F, Vladivostok	CW	(AB-J)
<b>MX</b>	13527.7	28-4	1924	Sun	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	13527.7	28-4	1924	Sun	Beacon S, Sevoromorsk	CW	(AB)
<b>MX</b>	13528.1	28-4	1924	Sun	Beacon A, Astrakhan	CW	(AB)
<b>MX</b>	4030	28-4	2010	Sun	Beacon V	CW	(LA6LU)
<b>MX</b>	5153.7	28-4	2010	Sun	Beacon D, Sevastopol	CW	(LA6LU)
<b>MX</b>	5154.1	28-4	2010	Sun	Beacon A, Astrakhan	CW	(LA6LU)
<b>MX</b>	5156.8	28-4	2010	Sun	Beacon L, St Petersburg	CW	(LA6LU)
<b>MX</b>	7039.2	29-4	0642	Mon	Beacon F, Vladivistok	CW	(AB-J)
<b>MX</b>	10871.2	29-4	0642	Mon	Beacon F, Vladivistok	CW	(AB-J)
<b>MX</b>	10871.4	29-4	0642	Mon	Beacon M, Magadan	CW	(AB-J)
<b>MX</b>	4558	30-4	2010	Tue	Beacon S, Sevoromorsk	CW	(LA6LU)
<b>MX</b>	4558	30-4	2010	Tue	Beacon D, Seveastopol	CW	(LA6LU)
<b>P03a</b>	13873	1-4	1410	Mon	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	13873	1-4	1415	Mon	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	9902	1-4	1635	Mon	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	9902	1-4	1640	Mon	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	13873	2-4	1140	Tue	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	13873	2-4	1145	Tue	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	15800	2-4	1415	Tue	Polish intel.	BPSK-62.5	(AB-POL)
<b>P03a</b>	15800	2-4	1420	Tue	Polish intel.	BPSK-62.5	(AB-POL)
<b>P03a</b>	5946	2-4	1725	Tue	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	5946	2-4	1730	Tue	Polish intel.	BPSK-62.5	(AB)
<b>P03a</b>	10728	3-4	1225	Wed	Polish intel.	BPSK-62.5	(AB)

P03a	10728	3-4	1230	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	3-4	1435	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	3-4	1440	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	3-4	1600	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	3-4	1605	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	15800	4-4	1415	Thu	Polish intel.	BPSK-62.5	(AB-POL)
P03a	15800	4-4	1420	Thu	Polish intel.	BPSK-62.5	(AB-POL)
P03a	13575	5-4	1440	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	13575	5-4	1445	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	5-4	1500	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	5-4	1505	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	9902	5-4	1635	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	9902	5-4	1640	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	7469	6-4	0500	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	7469	6-4	0505	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	6-4	1435	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	6-4	1440	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	13575	7-4	1440	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13575	7-4	1445	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	7-4	1500	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	7-4	1505	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	5946	7-4	1725	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	5946	7-4	1730	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	8-4	1410	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	8-4	1415	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	9-4	1140	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	13873	9-4	1145	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	9-4	1725	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	9-4	1730	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	10728	10-4	1225	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	10728	10-4	1230	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	10-4	1435	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	10-4	1440	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	10-4	1600	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	10-4	1605	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	13575	12-4	1440	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	13575	12-4	1445	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	12-4	1500	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	12-4	1505	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	7469	13-4	0500	Sat	Polish intel.	BPSK-62.5	(AB)

P03a	7469	13-4	0505	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	10728	13-4	1225	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	10728	13-4	1230	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	13873	14-4	1410	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	14-4	1415	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13575	14-4	1440	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13575	14-4	1445	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	14-4	1500	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	14-4	1505	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	15-4	1410	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	15-4	1415	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	16-4	1140	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	13873	16-4	1145	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	16-4	1725	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	16-4	1730	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	10728	17-4	1225	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	10728	17-4	1230	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	17-4	1435	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	17-4	1440	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	17-4	1600	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	17-4	1605	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	13575	19-4	1440	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	13575	19-4	1445	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	19-4	1500	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	19-4	1505	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	7469	20-4	0500	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	7469	20-4	0505	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	13873	20-4	1140	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	13873	20-4	1145	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	10728	20-4	1225	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	10728	20-4	1230	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	20-4	1435	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	20-4	1440	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	14865	20-4	1600	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	14865	20-4	1605	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	7469	21-4	0500	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	7469	21-4	0505	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	21-4	1410	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	21-4	1415	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13575	21-4	1440	Sun	Polish intel.	BPSK-62.5	(AB)



P03a	13575	21-4	1445	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	21-4	1500	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	10302	21-4	1505	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	5946	21-4	1725	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	5946	21-4	1730	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	22-4	1410	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	22-4	1415	Mon	Polish intel.	BPSK-62.5	(AB)
P03a	13873	23-4	1140	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	13873	23-4	1145	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	23-4	1725	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	23-4	1730	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5779	24-4	1435	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	5779	24-4	1440	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	24-4	1600	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	14865	24-4	1605	Wed	Polish intel.	BPSK-62.5	(AB)
P03a	13575	26-4	1440	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	13575	26-4	1445	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	26-4	1500	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10302	26-4	1505	Fri	Polish intel.	BPSK-62.5	(AB)
P03a	10728	27-4	1225	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	10728	27-4	1230	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	27-4	1435	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5779	27-4	1440	Sat	Polish intel.	BPSK-62.5	(AB)
P03a	5946	28-4	1725	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	5946	28-4	1730	Sun	Polish intel.	BPSK-62.5	(AB)
P03a	13873	30-4	1140	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	13873	30-4	1145	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	30-4	1725	Tue	Polish intel.	BPSK-62.5	(AB)
P03a	5946	30-4	1730	Tue	Polish intel.	BPSK-62.5	(AB)
P03b	11107	3-4	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	3-4	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	10-4	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	10-4	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	14-4	1120	Sun	Polish intel.	QPSK-63	(AB)
P03b	11107	14-4	1125	Sun	Polish intel.	QPSK-63	(AB)
P03b	11107	17-4	1120	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	17-4	1125	Wed	Polish intel.	QPSK-63	(AB)
P03b	11107	21-4	1120	Sun	Polish intel.	QPSK-63	(AB)
P03b	11107	21-4	1125	Sun	Polish intel.	QPSK-63	(AB)
Q26	8073	9-4	1132	Tue	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)

<b>Q26</b>	4243	9-4	1142	Tue	Messages i.p.	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	15-4	1131	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	15-4	1131	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	15-4	1141	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	15-4	1141	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	30-4	1131	Tue	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	30-4	1131	Tue	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	30-4	1143	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	30-4	1143	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>RADv</b>	6880	2-4	1214	Tue	Russian Air Defense tracking net	USB	(AB)
<b>RADv</b>	2462	9-4	1733	Tue	Russian Air Defence. Tracking	LSB	(F5JBR)
<b>S06</b>	8191	5-4	1900	Fri	627 627 627 00000	USB	(AB/MPJ/HFD)
<b>S06</b>	5943	5-4	2000	Fri	627 627 627 00000	USB	(AB/RL-HOL/HFD)
<b>S06</b>	19078	18-4	0830	Thu	842-163/32=61179 via GT Hongkong	USB	(HFD-HK)
<b>S06</b>	16318	18-4	0930	Thu	842 via GT Hongkong	USB	(HFD-HK)
<b>S06</b>	8191	19-4	1900	Fri	627 627 627 00000	USB	(AB)
<b>S06</b>	5943	19-4	2000	Fri	627 627 627 00000	USB	(AB)
<b>S06</b>	9123	25-4	2130	Thu	726 108 43 04251 49018 15166 ... 68832 88677 18112 108 43 00000	USB	(AB)
<b>S06</b>	5918	25-4	2230	Thu	726 108 43 04251 49018 15166 ... 68832 88677 18112 108 43 00000	USB	(AB)
<b>S06s</b>	9220	1-4	0830	Mon	371 984 5 36806 37188 48254 44053 33023 984 5 00000	USB	(AB)
<b>S06s</b>	8270	1-4	0840	Mon	371 984 5 36806 37188 48254 44053 33023 984 5 00000	USB	(AB)
<b>S06s</b>	14580	1-4	0900	Mon	872 913 5 40774 43983 48882 31151 32860 913 5 00000	USB	(AB)
<b>S06s</b>	13165	1-4	0910	Mon	872 913 5 40774 43983 48882 31151 32860 913 5 00000	USB	(AB)
<b>S06s</b>	9145	1-4	1200	Mon	831 907 5 33365 97501 84517 48694 47423 907 5 00000	USB	(AB/MPJ)
<b>S06s</b>	11460	1-4	1210	Mon	831 907 5 33365 97501 84517 48694 47423 907 5 00000	USB	(AB/MPJ)
<b>S06s</b>	5760	2-4	0700	Tue	374 859 6 40639 33180 48007 37230 46446 43475 859 6 00000	USB	(AB-POL)
<b>S06s</b>	6930	2-4	0715	Tue	374 859 6 40639 33180 48007 37230 46446 43475 859 6 00000	USB	(AB)
<b>S06s</b>	7425	2-4	0730	Tue	427 850 6 32617 86067 25487 44036 36806 37188 850 6 00000	USB	(AB)
<b>S06s</b>	11560	2-4	0740	Tue	427 850 6 32617 86067 25487 44036 36806 37188 850 6 00000	USB	(AB)
<b>S06s</b>	11635	2-4	0800	Tue	352 409 6 38084 32030 34002 36870 39553 35530 409 6 00000 Mixing with HM01	USB	(AB)
<b>S06s</b>	10420	2-4	0810	Tue	352 409 6 38084 32030 34002 36870 39553 35530 409 6 00000 Mixing with HM01	USB	(AB)
<b>S06s</b>	6410	2-4	1000	Tue	893 465 7 47552 43630 40846 30519 33363 32521 39131 465 7 00000	USB	(AB/MPJ)
<b>S06s</b>	7340	2-4	1010	Tue	893 465 7 47552 43630 40846 30519 33363 32521 39131 465 7 00000	USB	(AB/MPJ)
<b>S06s</b>	6190	2-4	1100	Tue	754 6 46632 35401 34072 83030 32154 89762 931 6 00000	USB	(AB-POL/MPJ)
<b>S06s</b>	7230	2-4	1110	Tue	754 6 46632 35401 34072 83030 32154 89762 931 6 00000	USB	(AB/MPJ)
<b>S06s</b>	6464	2-4	1500	Tue	537 420 6 30588 36112 38323 45445 44008 38453 420 6 00000	USB	(AB-AUT/MPJ)
<b>S06s</b>	7242	2-4	1510	Tue	537 420 6 30588 36112 38323 45445 44008 38453 420 6 00000	USB	(AB-POL/MPJ)
<b>S06s</b>	8630	3-4	0820	Wed	471 471 5 36914 46467 36973 37967 42149 471 5 00000	USB	(AB)
<b>S06s</b>	9082	3-4	0830	Wed	464 912 5 40639 33180 48007 37230 45231 912 5 00000	USB	(AB)
<b>S06s</b>	9255	3-4	0830	Wed	471 471 5 36914 46467 36973 37967 42149 471 5 00000	USB	(AB)



S06s	11530	3-4	0830	Wed	745 923 6 44475 30322 36034 45445 44008 38453 923 6 00000	USB	(AB)
S06s	9952	3-4	0840	Wed	464 912 5 40639 33180 48007 37230 45231 912 5 00000	USB	(AB)
S06s	12140	3-4	0840	Wed	745 923 6 44475 30322 36034 45445 44008 38453 923 6 00000	USB	(AB)
S06s	13365	3-4	1000	Wed	729 804 5 43334 30147 30494 43014 36892 804 5 00000	USB	(AB/MPJ)
S06s	14505	3-4	1010	Wed	729 804 5 43334 30147 30494 43014 36892 804 5 00000	USB	(AB/MPJ)
S06s	9081	4-4	0930	Thu	314 876 5 98202 49075 42467 89331 28922 876 5 00000	USB	(AB)
S06s	10514	4-4	0940	Thu	314 876 5 98202 49075 42467 89331 28922 876 5 00000	USB	(AB)
S06s	12415	4-4	1200	Thu	425 893 6 37184 36129 22892 83322 85204 33529 893 6 00000	USB	(AB/MPJ/RL)
S06s	14212	4-4	1210	Thu	425 893 6 37184 36129 22892 83322 85204 33529 893 6 00000	USB	(AB/MPJ/RL)
S06s	5744	5-4	0900	Fri	624 810 5 36194 36107 34650 43773 46792 810 5 00000	USB	(AB-AUT)
S06s	6524	5-4	0910	Fri	624 810 5 36194 36107 34650 43773 46792 810 5 00000	USB	(AB-AUT)
S06s	12140	5-4	0930	Fri	516 937 8 85518 83939 78340 30054 40909 39394 35083 42571 937 8 00000	USB	(AB)
S06s	13515	5-4	0940	Fri	516 937 8 85518 83939 78340 30054 40909 39394 35083 42571 937 8 00000	USB	(AB)
S06s	10350	6-4	0800	Sat	254 873 6 31315 36184 36194 37650 43773 46793 873 6 00000	USB	(AB)
S06s	8520	6-4	0810	Sat	254 873 6 31315 36184 36194 37650 43773 46793 873 6 00000	USB	(AB)
S06s	9220	8-4	0830	Mon	371 984 5 36806 37188 48254 44053 33023 984 5 00000	USB	(AB)
S06s	8270	8-4	0840	Mon	371 984 5 36806 37188 48254 44053 33023 984 5 00000	USB	(AB)
S06s	14580	8-4	0900	Mon	872 913 5 40774 43983 48882 31151 32860 913 5 00000	USB	(AB-G)
S06s	13165	8-4	0910	Mon	872 913 5 40774 43983 48882 31151 32860 913 5 00000	USB	(AB)
S06s	9145	8-4	1200	Mon	831 907 5 33365 97501 84517 48694 47423 907 5 00000	USB	(AB/MPJ)
S06s	11460	8-4	1210	Mon	831 907 5 33365 97501 84517 48694 47423 907 5 00000	USB	(AB/MPJ)
S06s	5760	9-4	0700	Tue	374 859 6 40639 33180 48007 37230 46446 43475 859 6 00000	USB	(AB)
S06s	6930	9-4	0715	Tue	374 859 6 40639 33180 48007 37230 46446 43475 859 6 00000	USB	(AB)
S06s	7425	9-4	0730	Tue	427 850 6 32617 86067 25487 44036 36806 37188 850 6 00000	USB	(AB)
S06s	11560	9-4	0740	Tue	427 850 6 32617 86067 25487 44036 36806 37188 850 6 00000	USB	(AB)
S06s	11635	9-4	0800	Tue	352 409 6 38084 32030 34002 36870 39553 35530 409 6 00000 Mixing with HM01	USB	(AB)
S06s	10420	9-4	0810	Tue	352 409 6 38084 32030 34002 36870 39553 35530 409 6 00000 Mixing with HM01	USB	(AB)
S06s	6410	9-4	1000	Tue	893 465 7 47552 43630 40846 30519 33363 32521 39131 465 7 00000	USB	(AB/MPJ)
S06s	7340	9-4	1010	Tue	893 465 7 47552 43630 40846 30519 33363 32521 39131 465 7 00000	USB	(AB/MPJ)
S06s	6190	9-4	1100	Tue	754 6 46632 35401 34072 83030 32154 89762 931 6 00000	USB	(AB-AUT)
S06s	7230	9-4	1110	Tue	754 6 46632 35401 34072 83030 32154 89762 931 6 00000	USB	(AB)
S06s	6464	9-4	1500	Tue	537 420 6 30588 36112 38323 45445 44008 38453 420 6 00000	USB	(AB-AUT/MPJ)
S06s	7242	9-4	1510	Tue	537 420 6 30588 36112 38323 45445 44008 38453 420 6 00000	USB	(AB-POL/MPJ)
S06s	8630	10-4	0820	Wed	471 471 5 36914 46467 36973 37967 42149 471 5 00000	USB	(AB)
S06s	9082	10-4	0830	Wed	464 912 5 40639 33180 48007 37230 45231 912 5 00000	USB	(AB)
S06s	9255	10-4	0830	Wed	471 471 5 36914 46467 36973 37967 42149 471 5 00000	USB	(AB)
S06s	11530	10-4	0830	Wed	745 923 6 44475 30322 36034 45445 44008 38453 923 6 00000	USB	(AB)
S06s	9952	10-4	0840	Wed	464 912 5 40639 33180 48007 37230 45231 912 5 00000	USB	(AB)
S06s	12140	10-4	0840	Wed	745 923 6 44475 30322 36034 45445 44008 38453 923 6 00000	USB	(AB)
S06s	13365	10-4	1000	Wed	729 804 5 43334 30147 30494 43014 36892 804 5 00000	USB	(AB)

S06s	14505	10-4	1010	Wed	729 804 5 43334 30147 30494 43014 36892 804 5 00000	USB	(AB)
S06s	9081	11-4	0930	Thu	314 876 5 98202 49075 42467 89331 28922 876 5 00000	USB	(AB)
S06s	10514	11-4	0940	Thu	314 876 5 98202 49075 42467 89331 28922 876 5 00000	USB	(AB)
S06s	12415	11-4	1200	Thu	425 893 6 37184 36129 22892 83322 85204 33529 893 6 00000	USB	(AB)
S06s	14212	11-4	1210	Thu	425 893 6 37184 36129 22892 83322 85204 33529 893 6 00000	USB	(AB)
S06s	5744	12-4	0900	Fri	624 810 5 36194 36107 34650 43773 46792 810 5 00000	USB	(AB-AUT)
S06s	6524	12-4	0910	Fri	624 810 5 36194 36107 34650 43773 46792 810 5 00000	USB	(AB-AUT)
S06s	12140	12-4	0930	Fri	516 937 8 85518 83939 78340 30054 40909 39394 35083 42571 937 8 00000	USB	(AB)
S06s	13515	12-4	0940	Fri	516 937 8 85518 83939 78340 30054 40909 39394 35083 42571 937 8 00000	USB	(AB)
S06s	9220	15-4	0830	Mon	371 289 5 01405 15003 24357 60583 54545 289 5 00000	USB	(AB)
S06s	8270	15-4	0840	Mon	371 289 5 01405 15003 24357 60583 54545 289 5 00000	USB	(AB)
S06s	14580	15-4	0900	Mon	872 904 5 47665 94092 48521 63888 92606 904 5 00000	USB	(AB)
S06s	13165	15-4	0910	Mon	872 904 5 47665 94092 48521 63888 92606 904 5 00000	USB	(AB)
S06s	9145	15-4	1200	Mon	831 247 6 21767 53672 11834 81022 36903 41412 247 6 00000	USB	(AB/MPJ)
S06s	11460	15-4	1210	Mon	831 247 6 21767 53672 11834 81022 36903 41412 247 6 00000	USB	(AB/MPJ)
S06s	15855	16-4	0600	Tue	438 210 5 46062 68672 97478 39685 30485 210 5 00000	USB	(AB-UKR)
S06s	16485	16-4	0610	Tue	438 210 5 46062 68672 97478 39685 30485 210 5 00000	USB	(AB-UKR)
S06s	5760	16-4	0700	Tue	374 581 6 29049 37562 09225 30711 96782 39557 581 6 00000	USB	(AB-POL)
S06s	6930	16-4	0715	Tue	374 581 6 29049 37562 09225 30711 96782 39557 581 6 00000	USB	(AB)
S06s	7425	16-4	0730	Tue	427 893 5 16091 98335 20107 46692 39225 893 5 00000	USB	(AB)
S06s	11560	16-4	0740	Tue	427 893 5 16091 98335 20107 46692 39225 893 5 00000	USB	(AB)
S06s	11635	16-4	0800	Tue	352 871 6 42613 47545 24535 49598 08142 53225 871 6 00000	USB	(AB)
S06s	10420	16-4	0810	Tue	352 871 6 42613 47545 24535 49598 08142 53225 871 6 00000	USB	(AB)
S06s	6410	16-4	1000	Tue	893 546 7 84523 60542 61462 84040 39493 91458 83723 546 7 00000	USB	(AB-POL/MPJ)
S06s	7340	16-4	1010	Tue	893 546 7 84523 60542 61462 84040 39493 91458 83723 546 7 00000	USB	(AB/MPJ)
S06s	6190	16-4	1100	Tue	754 802 6 87655 75855 07443 51240 62434 54159 802 6 00000	USB	(AB-POL/MPJ-HNG)
S06s	7230	16-4	1110	Tue	754 802 6 87655 75855 07443 51240 62434 54159 802 6 00000	USB	(AB/MPJ-HNG)
S06s	6464	16-4	1500	Tue	537 401 6 42990 33000 32968 35222 36880 22582 401 6 00000	USB	(AB-POL/MPJ)
S06s	7242	16-4	1510	Tue	537 401 6 42990 33000 32968 35222 36880 22582 401 6 00000	USB	(AB/MPJ)
S06s	8630	17-4	0820	Wed	471 208 5 37830 31641 35401 34042 84574 208 5 00000	USB	(AB)
S06s	9082	17-4	0830	Wed	464 928 5 85518 83939 48340 30054 40909 928 5 00000	USB	(AB)
S06s	9255	17-4	0830	Wed	471 208 5 37830 31641 35401 34042 84574 208 5 00000	USB	(AB)
S06s	11530	17-4	0830	Wed	745 201 6 40244 36012 38323 47552 43630 40846 201 6 00000	USB	(AB)
S06s	9952	17-4	0840	Wed	464 928 5 85518 83939 48340 30054 40909 928 5 00000	USB	(AB)
S06s	12140	17-4	0840	Wed	745 201 6 40244 36012 38323 47552 43630 40846 201 6 00000	USB	(AB)
S06s	13365	17-4	1000	Wed	729 810 5 32517 31641 65610 34072 83060 810 5 00000	USB	(AB/MPJ)
S06s	14505	17-4	1010	Wed	729 810 5 32517 31641 65610 34072 83060 810 5 00000	USB	(AB/MPJ)
S06s	9081	18-4	0930	Thu	314 826 5 62725 14535 58231 53602 28014 826 5 00000	USB	(AB)
S06s	10514	18-4	0940	Thu	314 826 5 62725 14535 58231 53602 28014 826 5 00000	USB	(AB)
S06s	12415	18-4	1200	Thu	425 913 6 38030 32030 34002 36870 39553 35530 913 6 00000	USB	(MPJ)

S06s	14212	18-4	1210	Thu	425 913 6 38030 32030 34002 36870 39553 35530 913 6 00000	USB	(AB/MPJ)
S06s	5744	19-4	0900	Fri	624 983 5 46962 68672 97478 39685 30485 983 5 00000	USB	(AB-POL)
S06s	6524	19-4	0910	Fri	624 983 5 46962 68672 97478 39685 30485 983 5 00000	USB	(AB-POL)
S06s	12140	19-4	0930	Fri	516 834 7 88620 68069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	13515	19-4	0940	Fri	516 834 7 88620 68069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	22185	22-4	0630	Mon	524 873 ... unreadable	USB	(AB-AUT)
S06s	20050	22-4	0640	Mon	524 873 ... unreadable	USB	(AB-AUT)
S06s	9220	22-4	0830	Mon	371 289 5 01405 15003 24357 60583 54545 289 5 00000	USB	(AB)
S06s	8270	22-4	0840	Mon	371 289 5 01405 15003 24357 60583 54545 289 5 00000	USB	(AB)
S06s	14580	22-4	0900	Mon	872 904 5 47665 94092 48521 63888 92606 904 5 00000	USB	(AB)
S06s	13165	22-4	0910	Mon	872 904 5 47665 94092 48521 63888 92606 904 5 00000	USB	(AB)
S06s	9145	22-4	1200	Mon	831 247 6 21767 53672 11834 81022 36903 41412 247 6 00000	USB	(AB/MPJ)
S06s	11460	22-4	1210	Mon	831 247 6 21767 53672 11834 81022 36903 41412 247 6 00000	USB	(AB/MPJ)
S06s	15855	23-4	0600	Tue	438 210 5 46062 68672 97478 39685 30485 210 5 00000	USB	(AB-UKR)
S06s	16485	23-4	0610	Tue	438 210 5 46062 68672 97478 39685 30485 210 5 00000	USB	(AB-UKR)
S06s	5760	23-4	0700	Tue	374 581 6 29049 37562 09225 30711 96782 39557 581 6 00000	USB	(AB)
S06s	6930	23-4	0715	Tue	374 581 6 29049 37562 09225 30711 96782 39557 581 6 00000	USB	(AB)
S06s	7425	23-4	0730	Tue	427 893 5 16091 98335 20107 46692 39225 893 5 00000	USB	(AB)
S06s	11560	23-4	0740	Tue	427 893 5 16091 98335 20107 46692 39225 893 5 00000	USB	(AB)
S06s	11635	23-4	0800	Tue	352 871 6 42613 47545 24535 49598 08142 53225 871 6 00000	USB	(AB)
S06s	10420	23-4	0810	Tue	352 871 6 42613 47545 24535 49598 08142 53225 871 6 00000	USB	(AB)
S06s	6410	23-4	1000	Tue	893 546 7 84523 60542 61462 84040 39493 91458 83723 546 7 00000	USB	(AB-POL/MPJ)
S06s	7340	23-4	1010	Tue	893 546 7 84523 60542 61462 84040 39493 91458 83723 546 7 00000	USB	(AB/MPJ)
S06s	6190	23-4	1100	Tue	754 802 6 87655 75855 07443 51240 62434 54159 802 6 00000	USB	(AB-AUT)
S06s	7230	23-4	1110	Tue	754 802 6 87655 75855 07443 51240 62434 54159 802 6 00000	USB	(AB)
S06s	6464	23-4	1500	Tue	537 401 6 42990 33000 32968 35222 36880 22582 401 6 00000	USB	(AB/MPJ)
S06s	7242	23-4	1510	Tue	537 401 6 42990 33000 32968 35222 36880 22582 401 6 00000	USB	(AB/MPJ)
S06s	8630	24-4	0820	Wed	471 208 5 37830 31641 35401 34042 84574 208 5 00000	USB	(AB)
S06s	9082	24-4	0830	Wed	464 928 5 85518 83939 48340 30054 40909 928 5 00000	USB	(AB)
S06s	9255	24-4	0830	Wed	471 208 5 37830 31641 35401 34042 84574 208 5 00000	USB	(AB)
S06s	11530	24-4	0830	Wed	745 201 6 40244 36012 38323 47552 43630 40846 201 6 00000	USB	(AB)
S06s	9952	24-4	0840	Wed	464 928 5 85518 83939 48340 30054 40909 928 5 00000	USB	(AB)
S06s	12140	24-4	0840	Wed	745 201 6 40244 36012 38323 47552 43630 40846 201 6 00000	USB	(AB)
S06s	13365	24-4	1000	Wed	729 810 5 32517 31641 65610 34072 83060 810 5 00000	USB	(AB/MPJ)
S06s	14505	24-4	1010	Wed	729 810 5 32517 31641 65610 34072 83060 810 5 00000	USB	(AB/MPJ)
S06s	9081	25-4	0930	Thu	314 826 5 62725 14535 58231 53602 28014 826 5 00000	USB	(AB)
S06s	10514	25-4	0940	Thu	314 826 5 62725 14535 58231 53602 28014 826 5 00000	USB	(AB)
S06s	12415	25-4	1200	Thu	425 913 6 38030 32030 34002 36870 39553 35530 913 6 00000	USB	(AB/MPJ)
S06s	14212	25-4	1210	Thu	425 913 6 38030 32030 34002 36870 39553 35530 913 6 00000	USB	(AB/MPJ)
S06s	5744	26-4	0900	Fri	624 983 5 46962 68672 97478 39685 30485 983 5 00000	USB	(AB-POL)

<b>S06s</b>	6524	26-4	0910	Fri	624 983 5 46962 68672 97478 39685 30485 983 5 00000	USB	(AB-POL)
<b>S06s</b>	12140	26-4	0930	Fri	516 834 7 88620 68069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
<b>S06s</b>	13515	26-4	0940	Fri	516 834 7 88620 68069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
<b>S06s</b>	9220	29-4	0830	Mon	371 371 371 00000	USB	(AB)
<b>S06s</b>	8270	29-4	0840	Mon	371 371 371 00000	USB	(AB)
<b>S06s</b>	14580	29-4	0900	Mon	872 872 872 00000	USB	(AB)
<b>S06s</b>	13165	29-4	0910	Mon	872 872 872 00000	USB	(AB)
<b>S06s</b>	9145	29-4	1200	Mon	831 831 831 00000	USB	(AB/MPJ)
<b>S06s</b>	11460	29-4	1210	Mon	831 831 831 00000	USB	(AB/MPJ)
<b>S06s</b>	15855	30-4	0600	Tue	438 438 438 00000	USB	(AB-KWT)
<b>S06s</b>	16485	30-4	0610	Tue	438 438 438 00000	USB	(AB-KWT)
<b>S06s</b>	5760	30-4	0700	Tue	374 374 374 00000	USB	(AB)
<b>S06s</b>	6930	30-4	0715	Tue	374 374 374 00000	USB	(AB)
<b>S06s</b>	7425	30-4	0730	Tue	427 427 427 00000	USB	(AB)
<b>S06s</b>	11560	30-4	0740	Tue	427 427 427 00000	USB	(AB)
<b>S06s</b>	11635	30-4	0800	Tue	352 352 352 00000	USB	(AB)
<b>S06s</b>	10420	30-4	0810	Tue	352 352 352 00000	USB	(AB)
<b>S06s</b>	6410	30-4	1000	Tue	893 893 893 00000	USB	(AB)
<b>S06s</b>	7340	30-4	1010	Tue	893 893 893 00000	USB	(AB)
<b>S06s</b>	6190	30-4	1100	Tue	754 754 754 00000	USB	(AB)
<b>S06s</b>	7230	30-4	1110	Tue	754 754 754 00000	USB	(AB)
<b>S06s</b>	6464	30-4	1500	Tue	537 537 537 00000	USB	(AB/MPJ)
<b>S06s</b>	7242	30-4	1510	Tue	537 537 537 00000	USB	(AB/MPJ)
<b>S11a</b>	11493	1-4	1015	Mon	477/40 Vnimanije 93929 47469 95946 ... 40227 63913 87635 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	5371	2-4	0455	Tue	327/00	USB	(AB)
<b>S11a</b>	7469	2-4	1020	Tue	424/37 Vnimanije 67570 53267 09368 ... 04480 10394 67997 Vnimanije (message repeated) Out	USB	(AB/MPJ)
<b>S11a</b>	6433	3-4	1100	Wed	378/34 Vnimanije 89727 82854 66699 ... 68646 39562 35869 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	10800	3-4	1540	Wed	561/00	USB	(AB/MPJ)
<b>S11a</b>	10213	3-4	1850	Wed	288/00	USB	(AB/MPJ)
<b>S11a</b>	11493	4-4	1015	Thu	477/40 Vnimanije 93929 47469 95946 ... 40227 63913 87635 Vnimanije (message repeated) Konets	USB	(AB/MPJ-I)
<b>S11a</b>	5371	5-4	0455	Fri	320/00	USB	(AB)
<b>S11a</b>	7469	5-4	1020	Fri	424/37 Vnimanije 67570 53267 09368 ... 04480 10394 67997 Vnimanije (message repeated) Out	USB	(AB/MPJ)
<b>S11a</b>	6433	5-4	1100	Fri	378/34 Vnimanije 89727 82854 66699 ... 68646 39562 35869 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	10800	6-4	1540	Sat	566/00	USB	(AB/MPJ)

<b>S11a</b>	11493	8-4	1015	Mon	475/00	USB	(MPJ/RL)
<b>S11a</b>	5371	9-4	0455	Tue	322/00	USB	(AB)
<b>S11a</b>	7469	9-4	1020	Tue	420/00	USB	(AB/MPJ/RL)
<b>S11a</b>	6433	10-4	1100	Wed	377/00	USB	(AB)
<b>S11a</b>	10800	10-4	1540	Wed	565/38 Vnimanaye 71902 51954 57081 ... 23189 68040 78242 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	10213	10-4	1850	Wed	281/00	USB	(AB/MPJ)
<b>S11a</b>	11493	11-4	1015	Thu	479/00	USB	(AB)
<b>S11a</b>	5371	12-4	0455	Fri	325/00	USB	(AB)
<b>S11a</b>	4505	12-4	0915	Fri	482/00	USB	(AB-POL)
<b>S11a</b>	7469	12-4	1020	Fri	421/00	USB	(AB/MPJ)
<b>S11a</b>	6433	12-4	1100	Fri	377/00	USB	(AB/RL)
<b>S11a</b>	10800	13-4	1540	Sat	565/38 Vnimanaye 71902 51954 57081 ... 23189 68040 78242 Vnimanaye (message repeated) Konets	USB	(MPJ)
<b>S11a</b>	10213	13-4	1850	Sat	280/00	USB	(AB/MPJ/RL)
<b>S11a</b>	4505	15-4	0915	Mon	483/00	USB	(AB)
<b>S11a</b>	11493	15-4	1015	Mon	476/00	USB	(AB/MPJ)
<b>S11a</b>	5371	16-4	0455	Tue	320/33 Vnimanaye 02071 93187 57653 ... 62581 06236 11346 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	7469	16-4	1020	Tue	425/00	USB	(AB/MPJ)
<b>S11a</b>	6433	17-4	1100	Wed	372/00	USB	(AB/MPJ)
<b>S11a</b>	10800	17-4	1540	Wed	566/00	USB	(AB/MPJ)
<b>S11a</b>	10213	17-4	1850	Wed	281/39 Vnimanaye 09107 94890 51526 ... 82398 67749 43152 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
<b>S11a</b>	11493	18-4	1015	Thu	471/00	USB	(AB)
<b>S11a</b>	5371	19-4	0455	Fri	320/33 Vnimanaye 02071 93187 57653 ... 62581 06236 11346 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	4505	19-4	0915	Fri	480/00	USB	(AB-POL)
<b>S11a</b>	7469	19-4	1020	Fri	421/00	USB	(AB)
<b>S11a</b>	6433	19-4	1100	Fri	370/00	USB	(AB)
<b>S11a</b>	10800	20-4	1540	Sat	561/00	USB	(MPJ)
<b>S11a</b>	10213	20-4	1850	Sat	281/39 Vnimanaye 09107 94890 51526 ... 82398 67749 43152 Vnimanaye (message repeated) Konets	USB	(MPJ)
<b>S11a</b>	4505	22-4	0915	Mon	486/35 Vnimanaye 83963 07841 09614 ... 32321 82152 27828 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	11493	22-4	1015	Mon	477/00	USB	(AB/MPJ)
<b>S11a</b>	5371	23-4	0455	Tue	329/00	USB	(AB)
<b>S11a</b>	7469	23-4	1020	Tue	422/00	USB	(AB)
<b>S11a</b>	6433	24-4	1100	Wed	371/00	USB	(MPJ)
<b>S11a</b>	10800	24-4	1540	Wed	560/00	USB	(AB/MPJ)

<b>S11a</b>	10213	24-4	1850	Wed	282/00	USB	(AB/MPJ)
<b>S11a</b>	11493	25-4	1015	Thu	471/00	USB	(AB)
<b>S11a</b>	5371	26-4	0455	Fri	322/00	USB	(AB)
<b>S11a</b>	4505	26-4	0915	Fri	486/35 Vnimaniye 83963 07841 09614 ... 39321 82152 27828 Vnimaniye (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	7469	26-4	1020	Fri	422/00	USB	(AB)
<b>S11a</b>	6433	26-4	1100	Fri	378/00	USB	(AB/MPJ)
<b>S11a</b>	10800	27-4	1540	Sat	564/00	USB	(MPJ)
<b>S11a</b>	10213	27-4	1850	Sat	285/00	USB	(MPJ)
<b>S11a</b>	11493	29-4	1015	Mon	478/00	USB	(AB)
<b>S11a</b>	5371	30-4	0455	Tue	325/00	USB	(AB)
<b>S11a</b>	7469	30-4	1020	Tue	424/00	USB	(AB)
<b>S11a</b>	4505	29-4	0915	Mon	483/00	USB	(LA6LU)
<b>S30</b>	5448	11-4	1144	Thu	8S1Shch 64038 ANORTIT 1576 0155	USB	(Gwr)
<b>S30</b>	5448	11-4	1337	Thu	Dlya: ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA INNC	USB	(Gwr)
<b>S30</b>	5448	17-4	1103	Wed	8S1Shch 05547 INOKOBLYuM 4529 6195	USB	(Gwr)
<b>S30</b>	5448	17-4	1117	Wed	8S1Shch 61453 IMBIR' 3277 4237	USB	(Gwr)
<b>S30</b>	5448	17-4	1220	Wed	8S1Shch 09517 KUMOVATT 0350 5140	USB	(Gwr)
<b>S30</b>	5448	24-4	1400	Wed	8S1Shch PRILYeZhNYJ SYeYatYeL'	USB	(Gwr)
<b>S30</b>	5448	25-4	1234	Thu	8S1Shch Proverka vyzova 4321 1234	USB	(Gwr)
<b>S30</b>	5448	30-4	0904	Tue	8S1Shch 19946 66747 83548 44212 GYeRCOBUR 4325 5523 LOBOK 2528 2712	USB	(Gwr)
<b>S30</b>	5448	30-4	1117	Tue	8S1Shch 72636 VPUTYVANIYe 8830 4149	USB	(Gwr)
<b>S30</b>	5448	30-4	1214	Tue	8S1Shch 19242 BAL'ZAMNYJ 3795 2902	USB	(Gwr)
<b>S32</b>	5473	11-4	1148	Thu	Al'fa-45 79425 OBUHORUL' 2773 9405	USB	(Gwr)
<b>S32</b>	5473	17-4	1107	Wed	Al'fa-45 97367 IDIShOKVIT 4336 3719	USB	(Gwr)
<b>S32</b>	5473	17-4	1122	Wed	Al'fa-45 42637 KLIKOSYeKS 0616 2294	USB	(Gwr)
<b>S32</b>	5473	17-4	1224	Wed	Al'fa-45 84637 OBLADAN'E 4562 6658	USB	(Gwr)
<b>S32</b>	5473	24-4	1404	Wed	Al'fa-45 PRILYeZhNYJ SYeYatYeL'	USB	(Gwr)
<b>S32</b>	5473	25-4	1240	Thu	Al'fa-45 Proverka vyzova 4321 1234	USB	(Gwr)
<b>S32</b>	5473	30-4	1122	Tue	Al'fa-45 99007 KOZYR' 9885 7841	USB	(Gwr)
<b>S32</b>	5473	30-4	1219	Tue	Al'fa-45 58577 AFONIYa 6876 3110	USB	(Gwr)
<b>UM10</b>	5860	9-4	0658	Tue	10-minutes net: MIBH //7380 kHz	CW	(JPL-Sib)
<b>UM10</b>	7380	9-4	0658	Tue	10-minutes net: MIBH //5860 kHz (7380 kHz is a new freq)	CW	(JPL-Sib)
<b>UM10</b>	5755	9-4	0746	Tue	10-minutes net: NTQN //6776 kHz	CW	(JPL-CHN)
<b>UM10</b>	6776	9-4	0746	Tue	10-minutes net: NTQN //5755 kHz	CW	(JPL-CHN)
<b>UM10</b>	4310	11-4	1457	Thu	10-minutes net: QK4S //3525 kHz	CW	(JPL-Sib)
<b>UM10</b>	5860	15-4	0927	Mon	10-minutes net: MIBH //7380 kHz	CW	(JPL-Sib)
<b>UM10</b>	7380	15-4	0927	Mon	10-minutes net: MIBH //5860 kHz	CW	(JPL-Sib)
<b>UM10</b>	3280	16-4	1320	Tue	10-minutes net: HUU4	CW	(F5JBR)
<b>UM10</b>	4310	16-4	1325	Tue	10-minutes net: QK4S	CW	(F5JBR)



V07	12218	14-4	0300	Sun	254 254 254 1 789 56 6???? 44??7 ..... ??197 000 000	USB	(Dan)
V07	11518	14-4	0320	Sun	254 254 254 1 789 56 6???? 44??7 ..... ??197 000 000	USB	(Dan)
V07	10418	14-4	0340	Sun	254 254 254 1 789 56 6???? 44??7 ..... ??197 000 000	USB	(Dan)
V07	12218	21-4	0300	Sun	254 254 254 1 9367 80 48756 77325 76265 .... 57619 69715 000 000	USB	(Dan/HFD-USA)
V07	11518	21-4	0320	Sun	254 254 254 1 9367 80 48756 77325 76265 .... 57619 69715 000 000	USB	(Dan/HFD-USA)
V07	10418	21-4	0340	Sun	254 254 254 1 9367 80 48756 77325 76265 .... 57619 69715 000 000	USB	(Dan/HFD-USA)
V07	10418	28-4	0300	Sun	254 254 254 1 269 88 39582 78846 09809 .... 65822 18323 000 000	USB	(Dan)
V07	11518	28-4	0300	Sun	254 254 254 1 269 88 39582 78846 09809 .... 65822 18323 000 000	USB	(Dan)
V07	12218	28-4	0300	Sun	254 254 254 1 269 88 39582 78846 09809 .... 65822 18323 000 000	USB	(Dan)
V15	3320	6-4	1445	Sat	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(CM2)
V15	6400	11-4	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(SDX)
V15	6400	11-4	1545	Thu	North Korean Intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(SDX)
V15	6400	20-4	1443	Sat	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(SDX)
V15	6400	25-4	1543	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(SDX)
V24	6310	1-4	1530	Mon	Music followed by a message in Korean	AM	(MDK2-J)
V24	6310	3-4	1530	Wed	Music followed by a message in Korean	AM	(MDK2-J)
V24	6215	5-4	1500	Fri	K-popsong followed by a message in Korean	AM	(SDX)
V24	6215	7-4	1500	Sun	K-popsong followed by a message in Korean	AM	(SDX)
V24	6310	8-4	1530	Mon	K-popsong followed by a message in Korean	AM	(SDX)
V24	6215	9-4	1500	Tue	K-popsong followed by a message in Korean	AM	(AB/SDX)
V24	5715	19-4	1500	Fri	K-popsong followed by a message in Korean	AM	(MKD2)
V24	5715	21-4	1500	Sun	K-popsong followed by a message in Korean	AM	(AB-J/SDX)
V26	4243	13-4	0911	Sat	Messages in Chinese. Female operator //7345 (replaces 4243//9054)	USB	(JPL)
V26	7345	13-4	0911	Sat	Messages in Chinese. Female operator //4243 (replaces 4243//9054)	USB	(JPL)
V26	4243	30-4	1217	Tue	Messages in Chinese //9054	USB	(JPL)
V26	9054	30-4	1217	Tue	Messages in Chinese //4243	USB	(JPL)
V28	3518	3-4	0929	Wed	Parrot. Microphone test. Male operator	AM	(HK)
V28	2931	3-4	1000	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	3-4	1000	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4623	3-4	1000	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5152	3-4	1000	Wed	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	5-4	1001	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4631	5-4	1001	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2926	5-4	1003	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5146	5-4	1006	Fri	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	3518	9-4	1009	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4628	9-4	1009	Tue	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	10-4	0940	Wed	Parrot. Tests. Male operator	AM	(HK)
V28	3518	10-4	0958	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2930	10-4	0959	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)

V28	4628	10-4	1002	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5150	10-4	1002	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2931	17-4	1006	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	17-4	1006	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4621.5	17-4	1006	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5143	17-4	1006	Wed	Parrot. Messages in Korean. Female operator. Male coughing in the background	AM	(HK)
V28	2931	19-4	1006	Fri	Parrot. Messages in Korean	AM	(HK)
V28	3518	19-4	1006	Fri	Parrot. Messages in Korean	AM	(HK)
V28	4631	19-4	1006	Fri	Parrot. Messages in Korean	AM	(HK)
V28	5149	19-4	1006	Fri	Parrot. Messages in Korean	AM	(HK)
V28	3518	23-4	1006	Tue	Parrot. Message in Korean	AM	(HK)
V28	4624.5	23-4	1006	Tue	Parrot. Message in Korean	AM	(HK)
V28	5157	23-4	1006	Tue	Parrot. Message in Korean	AM	(HK)
VC01	5285	7-4	1425	Sun	Chinese Robot i.p.	USB	(AB)
VC01	5285	13-4	1627	Sat	Chinese Robot i.p.	USB	(BW3-J)
VC01	5285	16-4	1523	Tue	Chinese Robot i.p.	USB	(BW3-J)
VC01	7705	18-4	0555	Thu	Chinese Robot i.p.	USB	(AB-J)
X06	13411	2-4	0756	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB)
X06	11462	2-4	0804	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(ES-HOL)
X06	12152	15-4	0746	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB)
X06b	13477	16-4	1819	Tue	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	12147	16-4	1826	Tue	Sequence: 111666 before XPB1	MFSK-6	(AB)
X06b	13477	16-4	1827	Tue	Sequence: 111666 before XPB1	MFSK-6	(AB)
XPA1	10428	2-4	0710	Tue	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB/HFD)
XPA1	11431	2-4	0730	Tue	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB/HFD)
XPA1	13441	2-4	0750	Tue	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB/HFD)
XPA1	10428	4-4	0710	Thu	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB)
XPA1	11431	4-4	0730	Thu	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB)
XPA1	13441	4-4	0750	Thu	486 486 486 1 00239 00200 53279 ... 34617 58880 26007	MFSK-20/10Bd	(AB)
XPA1	10428	9-4	0710	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	11431	9-4	0730	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	13441	9-4	0750	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	10428	11-4	0710	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	11431	11-4	0730	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	13441	11-4	0750	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	10428	16-4	0710	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	11431	16-4	0730	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	13441	16-4	0750	Tue	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	10428	18-4	0710	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	11431	18-4	0730	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)



XPA1	13441	18-4	0750	Thu	486 486 486 1 00259 00014 98137 ... 09598 64194 37074	MFSK-20/10Bd	(AB)
XPA1	10428	23-4	0710	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	11431	23-4	0730	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	13441	23-4	0750	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	10428	25-4	0710	Thu	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	11431	25-4	0730	Thu	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	13441	25-4	0750	Thu	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	10428	30-4	0710	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	11431	30-4	0730	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA1	13441	30-4	0750	Tue	486 486 486 1 00274 00200 46436 ... 50633 18414 72305	MFSK-20/10Bd	(AB)
XPA2	11167	1-4	0700	Mon	05949 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	12167	1-4	0720	Mon	05949 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	13567	1-4	0740	Mon	05949 00001 00000 42261	MFSK-16/20Bd	(AB/HFD)
XPA2	14538	2-4	1800	Tue	04851 00102 56967 ... 43628 17350 52042	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	2-4	1820	Tue	04851 00102 56967 ... 43628 17350 52042	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	12138	2-4	1840	Tue	04851 00102 56967 ... 43628 17350 52042	MFSK-16/20Bd	(AB)
XPA2	11167	3-4	0700	Wed	06115 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	12167	3-4	0720	Wed	06115 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	13567	3-4	0740	Wed	06115 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	17474	3-4	0930	Wed	06667 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	15859	4-4	0910	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	14659	4-4	0930	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	13459	4-4	0950	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	15819	4-4	1600	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	14919	4-4	1620	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	13919	4-4	1640	Thu	msg	MFSK-16/20Bd	(HFD)
XPA2	17462	5-4	1900	Fri	98755 00103 86682 33884 77885 ... 01661 59908 35623 48012 44612 (faulty decode)	MFSK-16/20Bd	(MPJ/HFD)
XPA2	16114	5-4	1920	Fri	98755 00103 86682 33884 77885 ... 01661 59908 35623 48012 44612 (faulty decode)	MFSK-16/20Bd	(MPJ/HFD)
XPA2	14828	5-4	1940	Fri	msg	MFSK-16/20Bd	(HFD)
XPA2	14538	7-4	1800	Sun	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB/MPJ/Dan/HFD)
XPA2	13538	7-4	1820	Sun	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB/GHn/MPJ/Dan/HFD)
XPA2	12138	7-4	1840	Sun	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB/MPJ/Dan/HFD)
XPA2	11167	8-4	0700	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	12167	8-4	0720	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	13567	8-4	0740	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	18038	8-4	0910	Mon	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	8-4	0930	Mon	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	8-4	0950	Mon	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB/RL)
XPA2	15819	9-4	1600	Tue	09221 00001 00000 32663	MFSK-16/20Bd	(AB-AUT)

XPA2	14919	9-4	1620	Tue	09221 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	13919	9-4	1640	Tue	09221 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	14538	9-4	1800	Tue	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB-RUS)
XPA2	13538	9-4	1820	Tue	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	12138	9-4	1840	Tue	02698 00098 54060 ... 11887 13916 31600	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	11167	10-4	0700	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	12167	10-4	0720	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	13567	10-4	0740	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	18038	10-4	0910	Wed	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	10-4	0930	Wed	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	10-4	0950	Wed	06006 00222 72753 ... 35424 62917 56166	MFSK-16/20Bd	(AB)
XPA2	15859	11-4	0910	Thu	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	14659	11-4	0930	Thu	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	13459	11-4	0950	Thu	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	15819	11-4	1600	Thu	01219 00001 00000 36652	MFSK-16/20Bd	(AB-AUT/MPJ)
XPA2	14919	11-4	1620	Thu	01219 00001 00000 36652	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13919	11-4	1640	Thu	01219 00001 00000 36652	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	12-4	1900	Fri	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	16114	12-4	1920	Fri	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB-RUS/RL)
XPA2	14828	12-4	1940	Fri	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB/RL)
XPA2	15859	13-4	0910	Sat	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	14659	13-4	0930	Sat	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	13459	13-4	0950	Sat	09993 00244 62356 ... 77160 28789 30633	MFSK-16/20Bd	(AB)
XPA2	17462	13-4	1900	Sat	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	13-4	1920	Sat	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	13-4	1940	Sat	09997 00068 51088 ... 01792 40757 70352	MFSK-16/20Bd	(AB/RL)
XPA2	14538	14-4	1800	Sun	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	13538	14-4	1820	Sun	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	12138	14-4	1840	Sun	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	11167	15-4	0700	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	12167	15-4	0720	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	13567	15-4	0740	Mon	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	18038	15-4	0910	Mon	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB-RUS/HFD)
XPA2	17474	15-4	0930	Mon	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB-RUS/HFD)
XPA2	16286	15-4	0950	Mon	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB/HFD)
XPA2	15881	15-4	1500	Mon	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14481	15-4	1520	Mon	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13381	15-4	1540	Mon	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB/MPJ)
XPA2	15819	16-4	1600	Tue	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14919	16-4	1620	Tue	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB-POL/MPJ)

XPA2	13919	16-4	1640	Tue	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	16-4	1800	Tue	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	16-4	1820	Tue	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/MPJ)
XPA2	12138	16-4	1840	Tue	07931 00080 68431 ... 47345 53410 42746	MFSK-16/20Bd	(AB/MPJ)
XPA2	11167	17-4	0700	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	12167	17-4	0720	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	13567	17-4	0740	Wed	00183 00185 19616 ... 34613 01377 42537	MFSK-16/20Bd	(AB)
XPA2	18038	17-4	0910	Wed	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	17-4	0930	Wed	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	17-4	0950	Wed	00347 00048 85649 ... 10133 85037 07247	MFSK-16/20Bd	(AB)
XPA2	15859	18-4	0910	Thu	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	14659	18-4	0930	Thu	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	13459	18-4	0950	Thu	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	15819	18-4	1600	Thu	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB-AUT/MPJ)
XPA2	14919	18-4	1620	Thu	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	18-4	1640	Thu	00921 00294 81653 ... 82024 92468 61755	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	19-4	1900	Fri	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB-RUS/MPJ/RL)
XPA2	16114	19-4	1920	Fri	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	19-4	1940	Fri	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB/RL)
XPA2	15859	20-4	0910	Sat	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	14659	20-4	0930	Sat	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	13459	20-4	0950	Sat	07831 00187 04802 ... 28972 47321 03711	MFSK-16/20Bd	(AB)
XPA2	15881	20-4	1500	Sat	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB/MPJ)
XPA2	14481	20-4	1520	Sat	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB/MPJ)
XPA2	13381	20-4	1540	Sat	06756 00099 66593 ... 40723 87965 45332	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	20-4	1900	Sat	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB-RUS/RL)
XPA2	16114	20-4	1920	Sat	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	14828	20-4	1940	Sat	00486 00100 18182 ... 66454 70649 15566	MFSK-16/20Bd	(AB/RL)
XPA2	14538	21-4	1800	Sun	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB-RUS/Dan/MPJ)
XPA2	13538	21-4	1820	Sun	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	12138	21-4	1840	Sun	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB/Dan/MPJ)
XPA2	11167	22-4	0700	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	12167	22-4	0720	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	13567	22-4	0740	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	18038	22-4	0910	Mon	09163 00001 00000 33267	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	22-4	0930	Mon	09163 00001 00000 33267	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	22-4	0950	Mon	09163 00001 00000 33267	MFSK-16/20Bd	(AB)
XPA2	15881	22-4	1500	Mon	01779 00001 00000 41260	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14481	22-4	1520	Mon	01779 00001 00000 41260	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13381	22-4	1540	Mon	01779 00001 00000 41260	MFSK-16/20Bd	(AB/MPJ/BW3)

XPA2	15819	23-4	1600	Tue	03740 00001 00000 34657	MFSK-16/20Bd	(AB-RUS)
XPA2	14919	23-4	1620	Tue	03740 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	13919	23-4	1640	Tue	03740 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	14538	23-4	1800	Tue	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13538	23-4	1820	Tue	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	12138	23-4	1840	Tue	00478 00098 36636 ... 98304 31060 47164	MFSK-16/20Bd	(AB/MPJ)
XPA2	11167	24-4	0700	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	12167	24-4	0720	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	13567	24-4	0740	Wed	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	18038	24-4	0910	Wed	09180 00001 00000 31671	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	24-4	0930	Wed	09180 00001 00000 31671	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	24-4	0950	Wed	09180 00001 00000 31671	MFSK-16/20Bd	(AB)
XPA2	15859	25-4	0910	Thu	00314 00046 64611 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	14659	25-4	0930	Thu	00314 00046 64611 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	13459	25-4	0950	Thu	00314 00046 64611 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	15819	25-4	1600	Thu	04976 00001 00000 40663	MFSK-16/20Bd	(MPJ)
XPA2	14919	25-4	1620	Thu	04976 00001 00000 40663	MFSK-16/20Bd	(MPJ)
XPA2	13919	25-4	1640	Thu	04976 00001 00000 40663	MFSK-16/20Bd	(MPJ)
XPA2	17462	26-4	1900	Fri	01091 00001 00000 31662	MFSK-16/20Bd	(AB-RUS/MPJ/RL)
XPA2	16114	26-4	1920	Fri	01091 00001 00000 31662	MFSK-16/20Bd	(AB-RUS/MPJ/RL)
XPA2	14828	26-4	1940	Fri	01091 00001 00000 31662	MFSK-16/20Bd	(AB/RL)
XPA2	15859	27-4	0910	Sat	00303 00046 64600 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	14659	27-4	0930	Sat	00303 00046 64600 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	13459	27-4	0950	Sat	00303 00046 64600 ... 20133 69876 30314	MFSK-16/20Bd	(AB)
XPA2	15881	27-4	1500	Sat	03941 00001 00000 36257	MFSK-16/20Bd	(MPJ)
XPA2	14481	27-4	1520	Sat	03941 00001 00000 36257	MFSK-16/20Bd	(MPJ)
XPA2	13381	27-4	1540	Sat	03941 00001 00000 36257	MFSK-16/20Bd	(MPJ)
XPA2	17462	27-4	1900	Sat	09009 00001 00000 36261	MFSK-16/20Bd	(MPJ/RL)
XPA2	16114	27-4	1920	Sat	09009 00001 00000 36261	MFSK-16/20Bd	(MPJ/RL)
XPA2	14828	27-4	1940	Sat	09009 00001 00000 36261	MFSK-16/20Bd	(MPJ/RL)
XPA2	14538	28-4	1800	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	28-4	1820	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	12138	28-4	1840	Sun	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/Dan)
XPA2	11167	29-4	0700	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	12167	29-4	0720	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	13567	29-4	0740	Mon	00389 00200 43548 ... 05438 95165 20072	MFSK-16/20Bd	(AB)
XPA2	18038	29-4	0910	Mon	09575 00066 30598 ... 81638 80765 15011	MFSK-16/20Bd	(AB-RUS)
XPA2	17474	29-4	0930	Mon	09575 00066 30598 ... 81638 80765 15011	MFSK-16/20Bd	(AB)
XPA2	16286	29-4	0950	Mon	09575 00066 30598 ... 81638 80765 15011	MFSK-16/20Bd	(AB)
XPA2	15881	29-4	1500	Mon	00149 00118 40009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/MPJ)

<b>XPA2</b>	14481	29-4	1520	Mon	00149 00118 40009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	13381	29-4	1540	Mon	00149 00118 40009 ... 21771 50079 54551	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	15819	30-4	1600	Tue	02733 00001 00000 36255	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	14919	30-4	1620	Tue	02733 00001 00000 36255	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	13919	30-4	1640	Tue	02733 00001 00000 36255	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14538	30-4	1800	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	13538	30-4	1820	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	12138	30-4	1840	Tue	06738 00024 38033 ... 81080 39211 36147	MFSK-16/20Bd	(AB/MPJ)
<b>XPB1</b>	12147	7-4	1910	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11547	7-4	1920	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10447	7-4	1930	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9347	7-4	1940	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8147	7-4	1950	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13447	14-4	1900	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12147	14-4	1910	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11547	14-4	1920	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10447	14-4	1930	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9347	14-4	1940	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8147	14-4	1950	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13447	16-4	1900	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12147	16-4	1910	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11547	16-4	1920	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10447	16-4	1930	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9347	16-4	1940	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8147	16-4	1950	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13447	21-4	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12147	21-4	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11547	21-4	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	10447	21-4	1930	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9347	21-4	1940	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8147	21-4	1950	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13447	23-4	1900	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12147	23-4	1910	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11547	23-4	1920	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10447	23-4	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9347	23-4	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	8147	23-4	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	13447	28-4	1900	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	12147	28-4	1910	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	11547	28-4	1920	Sun	Russian intel.	MFSK-16	(AB/RL)

<b>XPB1</b>	10447	28-4	1930	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	9347	28-4	1940	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	8147	28-4	1950	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	13447	30-4	1900	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	12147	30-4	1910	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	11547	30-4	1920	Tue	Russian intel.	MFSK-16	(AB/MPJ)
<b>XPB1</b>	10447	30-4	1930	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9347	30-4	1940	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	8147	30-4	1950	Tue	Russian intel.	MFSK-16	(AB)

## CONTRIBUTORS

AB	Ary Boender, Netherlands	Gwr	Gwraspe (via Priyom)
AB-AUT	Ary Boender via remote rx Austria	HFD	Hans-Friedrich Dumrese, Germany
AB-FIN	Ary Boender via remote rx Finland	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-G	Ary Boender via remote rx UK	HFD-QAT	Hans-Friedrich Dumrese via remote rx Qatar
AB-HNG	Ary Boender via remote rx Hungary	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-J	Ary Boender via remote rx Japan	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-KWT	Ary Boender via remote rx Kuwait	HK	Hiroyuki Komatsubara, Japan
AB-NZL	Ary Boender via remote rx New Zealand	JPL	JPL, NB, Canada (and various remote rx)
AB-POL	Ary Boender via remote rx Poland	JPL-CHN	JPL via remote rx China
AB-QAT	Ary Boender via remote rx Qatar	JPL-Sib	JPL via remote rx Siberia
AB-RUS	Ary Boender via remote rx Russia	LA6LU	Geir Laastad, Norway
AB-UKR	Ary Boender via remote rx Ukraine	MDK2	MDK2, USA
BW3	Barry Williams, AL, USA	MPJ	Jim, SW England
BW3-J	Barry Williams via remote rx Japan	MPJ-HNG	Jim via remote rx Hungary
CK	Costas, Southern Europe	MPJ-HOL	Jim via remote rx Netherlands
CM2	Chris Malboef	MPJ-I	Jim via remote rx Italy
Dan	Daniel LU5EMM, Argentina	MPJ-RUS	Jim via remote rx Russia
Danix	Danix111, Poland	RL	Roberto Landolpho, Brazil
ES-HOL	Edward Smith via remote rx Netherlands	RL-HOL	Landolpho via remote rx Netherlands
F5JBR	F5JBR André, France	SDX	Sat Dxr
GHn	Gary Hagermann, UK	WP3	Wolfgang Palmberger



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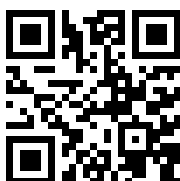
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**UDXF - UTILITY DXERS FORUM** <http://www.udxf.nl>  
**HF UNDERGROUND** <http://www.hfunderground.com/board/>  
**PRIYOM** <http://priyom.org/>  
**ENIGMA** <http://www.signalshed.com/>

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710 27364 92886 89428 61286 13982 38598 32794 31276 81  
86 88932 78987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 78  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 18  
591 87364 87265 96718 27638 12673 84769 28743 98127 56  
8 63298 75698 27465 87326 49876 28376 81273 98615 56  
87 87432 74328 78674 29867 32867 67867 86786 43286 48  
57 68768 68763 34234 34238 68768 62342 48273 48768 238  
936 98432 32432 86743 43286 43286 43286 43286 43286 43  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
741 86743 86743 86743 86743 86743 86743 86743 86743 48  
983 98798 98754 98754 98754 98754 29867 67543 67986 86  
76 87698 69876 87698 69876 87612 12345 34867 86798 86  
867 43298 65656 54756 56123 32143 14321 32143 14321 321  
98 32787 58765 76587 58765 76587 58765 76587 58756 765  
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