

6	27364	92836	89428	61298	71282	36198	32764	31277	
86	48932	78987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98678	27681	56781	57681	73648	1
1	87364	87265	96718	27638	12673	84769	28743	98127	2
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	48
43	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	2
99	98798	98754	98754	98754	98754	29867	67543	67986	87
8	87698	69876	87698	69876	87612	12341	34867	86798	6
3298	65656	56756	56123	32143	14321	32143	14321	32143	37
787	58765	76587	58765	76587	58765	76587	58765	76587	8

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #248, May 2018

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

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

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



FOREWORD

Due to my vacation N&O is a bit late, but here it is: Numbers & Oddities #248. I hope that you will enjoy it.

VOICE STATIONS

E06

16032/13489 kHz, 02-05, 1600/1700 UTC

216 509 43
19127 43853 05439 72485 75109 09189 29448 30256 70416 07972
04421 70684 44853 63196 83538 09060 84150 64265 49188 25842
45813 36618 07631 83767 75626 44715 33777 95447 01952 31890
26987 46137 68330 77156 63851 01375 90413 73596 58873 54166
10648 67594 95843
509 43 00000

Activity page: <http://priyom.org/number-stations/english/e06/216>

Recording: <http://priyom.org/media/193347/e06-16032usb-20180502-1600z-byqsr711.wav>

These type of E06/S06 "schedules" have been very prolific on recent years. They follow a very characteristic and sometimes erratic pattern. They work as it follows:

- Time: Always fixed, no DST adjustments observed.
- Frequency: Fixed per month, may vary up to ± 10 kHz for unknown reasons.
- Day: The previous year's day minus one. For example, if last year a certain schedule transmitted on the 15th day of the month, the following year it will likely transmit on the 14th. Transmissions often repeat one hour later and the next day at the same times/frequencies, but not always. They also reset the day to the end of the month when they're approaching the beginning of the month (e.g. if they transmit on the 2nd day of the month, they may transmit the 30th/31st day of the month the following year).
- Month: They send only on fixed months, and may not always transmit as expected (hence the erratic behaviour).
- Higher chance of E06a/S06b than usual on some schedules.

The following is a list of IDs that follow this pattern:

- E06: IDs 158, 216, 346, 759 (ID 759 maybe has some relation with the former scheduled ID 759? It returned on one instance in March on its old schedule)
- S06: IDs 387, 409, 583, 726 (ID 726 has some minor differences in the transmission day that have to be determined yet)

Apart from that, there is a bunch of other IDs that transmitted during March that I believe that follow a similar pattern, but due to the lack of any logs I can't confirm whether they belong to this list or not:

- E06: 192, 729, 337
- S06: 348

For now, that's all I can say about this series of IDs. More time and monitoring is required to have a proper profile on these. 73, qsr711

14565/16125 kHz, 03-05/04-05, 0500/0600 UTC

460 389 52
73293 57070 84265 84372 45063 62809 35598 95241 74044 06340
61127 34996 12003 10336 68431 90691 84068 02183 78110 55662
13586 81968 82470 26796 26741 89393 98842 59852 22922 99300
65956 46120 21730 00496 56830 70589 22596 37569 06596 44827
37927 20383 78701 31756 85728 30928 17935 04509 52631 82225
63697 06553
389 52 0000

5731 kHz, 04-05, 2130 UTC

315 183 77

73413 48673 92659 68289 43584 32573 24589 34134 65918 95946
 19647 87484 25986 28546 59196 27324 59872 48247 28485 96176
 87475 92763 83465 14592 56293 28983 29384 98329 21839 32874
 93284 98324 59693 25932 15959 61893 26498 23128 96197 12387
 13249 76324 76743 43656 87962 28763 54872 35812 54871 63248
 64726 56295 91262 52864 52765 43532 47274 12636 32127 63163
 47263 47623 76275 26543 76437 36437 64236 43764 28976 49276
 42897 73428 34563 92473 91242 17492 27491
 183 77 00000

14565/16125 kHz, 17-05/18-05, 0500/0600 UTC

460 237 51

88483 63671 21003 89273 36844 21657 84717 91120 84240 08318
 10858 08165 12011 14113 45568 65088 89147 36903 17601 78740
 38059 54536 20256 10063 12938 60405 07652 40716 51655 66692
 29835 41606 87132 04972 54517 75489 29121 78866 49103 00848
 52336 48439 21406 69222 51862 51014 42493 33194 51798 88108
 00098
 237 51 00000

5933 kHz, 17-05, 2030 UTC

724 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848
 36457 38491 82713 43143 65689 28756 42351 73145 32424 67857
 83273 56425 34245 23246 76879 87435 28184 61547 93671 75364
 72825 34732 53426 47589 73647 58326 15264 37485 63542 43557
 64536 47586 67453 45684 65783 74859 82736 47382 74651 27631
 72361 74827 36452 35263 72813 26743 84732
 134 57 00000

5731 kHz, 18-05, 2128 UTC. Early start.

315 134 57

69834 91020 28974 71856 74832 89648 73282 64825 48142 73848
 36457 38491 82713 43143 65689 28756 42351 73145 32424 67857
 83273 56425 34245 23246 76879 87435 28184 61547 93671 75364
 72825 34732 53426 47589 73647 58326 15264 37485 63542 43557
 64536 47586 67453 45684 65783 74859 82736 47382 74651 27631
 72361 74827 36452 35263 72813 26743 84732
 134 57 00000

E07**19659/17459/16159 kHz, 01-05/04-05, 1100/1120/1140 UTC**

641 641 641 1 127 109 127 109

39899 33155 82262 83561 25664 42513 15030 96314 50521 84229
 88994 14469 15397 94302 18464 24580 33827 61821 20981 99870
 77424 04323 64559 83875 77805 84642 28419 35659 39105 70126
 24115 16040 15755 18211 88470 59731 18909 06913 00791 98251
 45832 53767 71420 23205 84419 24606 88793 78717 50230 93437
 47521 83684 73996 92743 06953 84333 70073 86998 22130 76890
 18133 70217 02251 98608 95783 77922 94553 86161 68024 73558
 13519 29537 54506 22511 66032 66238 17807 50445 26308 62325
 53080 14920 30310 30021 12538 96197 53819 53477 45503 76139
 84839 11424 17981 51059 38574 08870 15269 11436 48226 33461
 11965 21373 37664 08521 71843 28688 10866 78935 59613 000 000

14763/13363/12163 kHz, 02-05, 1700/1720/1744 UTC

731 731 731 1 110 168 110 168
47387 64979 45256 56817 14940 84377 49903 09016 51026 67101
44191 11839 27610 96834 80490 85784 55332 73153 06029 67820
43749 23160 36065 09097 36683 47730 32172 71721 21850 79111
91376 89135 00163 32691 05237 25614 61201 07077 84771 40144
31113 45301 27931 46919 80870 18178 93521 86552 18589 82134
80777 06667 90851 64234 85257 29522 30775 79788 56139 83680
04416 95055 92185 58008 83753 72144 56592 51849 96983 79606
87410 22585 77729 26548 30933 50137 90061 77442 24604 35813
75502 44262 15771 03396 95317 78672 06328 09540 12175 84311
89955 71046 48570 17765 68284 48306 53099 85231 33202 62457
71782 29413 11639 89366 71598 26835 93194 21451 62590 34104
01797 08288 85078 76929 18020 84267 50783 45449 49809 50812
42200 22915 80561 19770 28860 98880 44123 07097 56173 83558
97586 20121 64562 76389 25045 71192 86195 51540 01482 29866
01364 79867 43300 49976 29653 16848 24835 66431 90871 07854
54192 71878 64797 30594 03607 83973 02462 45752 40581 63447
74185 94266 22993 61538 39891 24019 15464 69944 000 000

11539/10547/9388 kHz, 10-05, 2010/2030/2050 UTC

553 553 553 1 8779 61 8779 61
29922 11699 72177 68190 46453 59992 54249 91247 21512 27479
88028 55985 44556 00174 84320 89489 09455 42714 25627 71461
83002 73947 70441 20314 23335 48148 62039 10185 92859 02097
02390 01353 85398 35558 41476 65882 24952 90931 93493 27985
57045 88996 85168 28166 96051 23568 42454 92711 06926 63858
52759 05754 00056 92468 77751 71413 45977 98880 71802 29239
97395 000 000

17472/15872/14372 kHz, 14-05/16-05, 1900/1920/1940 UTC

483 483 483 1 351 130 351 130
39226 00588 99021 01177 38539 65534 22579 03107 20038 73710
78058 88956 61381 52188 49728 80374 28951 54130 45976 68014
64614 42815 06194 74827 53390 57162 54450 66151 13590 48399
54743 37614 04247 88824 88726 94785 49947 81451 35582 67676
63499 22711 60861 18397 55892 32570 86596 43002 06898 86611
29973 88227 31299 16176 49626 48481 65138 06452 85426 68395
68015 79661 45986 39693 03835 28251 98995 45227 75075 03196
56242 79338 08736 75190 23812 16101 02255 83857 67379 96797
64185 63285 30142 02904 35583 45400 75095 63719 32727 47256
50246 55482 19144 71488 56373 04021 59797 99119 73130 53384
00360 76845 82934 16316 89249 52217 29964 25128 39256 89764
63352 52635 59760 05148 32911 68782 62485 50546 63836 66027
61630 90834 41729 52746 43410 44616 01708 06695 45107 54322
000 000

14763/13363/12163 kHz, 20-05/23-05, 1700/1720/1744 UTC

731 731 731 1 265 134 265 134
60972 22202 08232 08252 72782 37134 35371 74002 90360 05253
44241 07941 83013 49846 48148 51144 70320 31534 97870 51895
58765 63745 49032 28943 54831 49470 48069 12488 59003 20281
29085 09697 38606 99504 55810 33979 90524 92288 33796 35210
38941 93699 08992 67336 78584 55036 28239 99145 84683 03393
61359 08303 73643 35054 26499 30470 96851 44631 38551 71693
47462 07737 55995 37096 77244 24094 84712 95174 05665 36820
41955 14058 40382 64205 18904 94479 13212 94304 31955 75115
30768 52251 52314 67524 68618 15086 34211 99885 47388 12657
68297 02466 52801 29099 26112 31088 69833 39442 27570 13728
62512 81113 43361 84766 40293 03321 77822 08830 78118 03761
62620 73759 74221 24358 45899 65241 65189 02282 68570 26843

03110 83237 43779 66778 40040 04709 04457 17037 62804 03197
48694 08046 94782 43610 000 000

17472/15872/14372 kHz, 21-05/23-05, 1900/1920/1940 UTC

483 483 483 1 888 122 888 122
00774 83915 83219 55622 90458 74950 41877 36865 87391 00889
18635 56208 86011 23526 17265 72219 85479 91015 84786 26215
37298 52951 48017 47305 53215 08628 07668 54564 53653 51864
91146 14606 02646 21344 40800 78416 59117 76818 29715 74013
31473 29643 50097 07428 20302 20804 65716 26011 89470 89435
02936 48393 19535 39662 04634 60643 14622 92022 80065 15591
21140 90093 69744 41211 32453 45924 59140 77516 42740 35795
52527 72565 56331 72494 79918 11417 63223 55864 42776 25336
11765 27325 31436 62060 71143 91200 17263 42845 87793 63185
71468 84768 88693 08549 11403 82241 96388 30237 46169 39730
21678 52710 03023 07981 36526 18423 28995 00829 94633 56934
73222 84512 73165 54381 54234 86603 57282 59737 96719 35540
62417 58117 000 000

19659/17459/16159 kHz, 22-05/25-05, 1100/1120/1140 UTC

641 641 641 1 282 125 282 125
36648 58911 84150 40482 05186 56725 30593 32094 15908 75269
05423 26859 02642 22153 03712 13077 66625 54558 27478 46324
20834 98749 29698 63571 47695 41441 61734 55362 49295 16110
63369 94892 31103 40527 76858 97390 21902 97248 11904 28832
10959 35908 12513 65410 83142 89321 18009 34163 35094 20461
17361 08778 45113 28136 70961 39980 17121 66505 83258 11800
77886 85890 51390 90869 04868 22528 02977 67736 32101 57150
99070 80133 40696 82169 28202 87118 94812 38387 85842 77728
63423 17639 97699 07814 04497 42309 98797 79840 80272 42202
10832 19262 74329 36732 36219 38136 09339 53615 24875 66410
58570 72874 42303 97801 37492 81366 06276 51859 72151 84602
76418 48556 84609 58077 90118 87192 42687 59165 60873 58080
21638 79475 46812 73611 14604 000 000

14763/13363/12163 kHz, 27-05/30-05, 1700/1720/1740 UTC

731 731 731 1 8978 59 8978 59
48115 74957 43296 99398 20424 42934 47434 81327 33847 72880
06104 16387 44968 12180 96682 60747 52553 82900 45083 72181
10160 53589 31790 23450 49818 71290 79214 43779 86486 09203
03345 79272 02547 48448 13097 38955 42507 75578 36823 84691
60596 97131 64523 63473 81823 80672 00334 27179 39444 84073
08734 84214 74422 88689 30836 61452 53162 60276 91360 000 000

11539/10547/9388 kHz, 31-05, 2010/2030/2050 UTC

553 553 553 1 1082 49 1082 49
97372 10486 40038 34371 21505 49579 33916 98759 16996 40715
62041 59805 60581 71650 08396 90780 17557 41277 47358 82276
12606 06186 04129 15863 88206 09475 04616 48239 96109 35894
21708 30030 25084 84807 09067 56592 90590 88147 21491 54918
23160 18005 35397 76037 27201 66791 43546 21642 36399 000 000

E07a

12166/10766/9266 kHz, 02-05, 2000/2020/2040 UTC

172 172 172 1 31905 6143 57 6143 57
52230 20775 52324 07068 59150 62897 11656 19607 22033 47012
99925 66068 44992 38158 05412 97863 62721 64466 27153 71855
16581 05430 80312 85475 89802 34308 21356 98713 84602 79866
73356 53061 18124 15054 98781 48991 10235 90351 77351 01645
17493 70763 12033 99886 15927 52537 34916 10505 41224 87629
77399 17394 55499 68701 75646 48156 09247 000 000

7933/9133/10233 kHz, 03-05, 0430/0450/0510 UTC

912 912 912 1 31905 6143 57 6143 57
52230 20775 52324 07068 59150 62897 11656 19607 22033 47012
99925 66068 44992 38158 05412 97863 62721 64466 27153 71855
16581 05430 80312 85475 89802 34308 21356 98713 84602 79866
73356 53061 18124 15054 98781 48991 10235 90351 77351 01645
17493 70763 12033 99886 15927 52537 34916 10505 41224 87629
77399 17394 55499 68701 75646 48156 09247 000 000

12166/10766/9266 kHz, 30-05, 2000/2020/2040 UTC

172 172 172 1 12612 8508 73 8508 73
27897 16254 36093 95102 85025 89403 27980 37297 43727 89957
55322 71328 14366 03112 99965 07327 40100 29731 67343 45369
28647 90432 11323 15502 27211 25222 04817 49979 06655 17340
96242 86974 84632 79107 42375 58647 39393 77954 30202 74813
58069 64025 55863 46622 08541 16593 76221 46078 20394 22460
33935 23645 46911 08106 83677 16897 23471 61300 66004 30832
91500 26465 79834 05718 36484 43189 07642 91921 65727 93526
57828 46105 67386 000 000

E11a

13424 kHz, 01-05/03-05, 0645 UTC

518/40 Attention
50109 33196 11679 60063 54912 49352 38644 94646 22550 81854
53413 68400 62017 57096 49689 65541 56694 81453 10328 81933
03037 52995 57823 58344 02695 11460 49135 72235 27852 29390
60936 65254 57542 09677 57952 20819 45194 59114 71946 37511
Attention (message repeated) Out

7984 kHz, 02-05/05-05, 1730 UTC

408/34 Attention
86010 72883 20883 21171 61982 25155 89124 44307 73703 87714
68459 18591 76833 53390 95218 05601 83683 27804 66361 88611
81364 21036 05198 46179 98330 26690 86684 18977 57403 71216
14497 02371 64980 69055
Attention (message repeated) Out

11581 kHz, 03-05/05-05, 1300 UTC

585/33 Attention
28209 37694 41070 72025 21441 06738 47797 25530 46548 74446
75140 17599 97656 02069 69342 72254 82031 88288 85020 12869
47618 37823 09188 96596 66218 73320 33962 32984 79473 38452
64391 72382 36434
Attention (message repeated) Out

6849 kHz, 04-05, 0700 UTC

576/32 Attention

40678 70449 59113 88592 78621 15453 83401 86434 48620 22592
88737 01380 87394 06760 60035 75654 55079 08172 19523 46315
80480 98924 60772 42391 45747 45392 56967 80347 32973 18556
14357 80055

Attention (message repeated) Out

9610 kHz, 04-05/06-05, 1910 UTC

618/36 Attention

59219 41157 79396 67820 36400 79655 90670 06545 39669 16005
94532 36012 59001 74843 03377 53308 87372 47918 13038 81144
54886 73523 27497 69209 99850 20458 43149 51156 08445 23313
48002 99945 97084 64564 63849 54671

Attention (Message repeated) Out

15800 kHz, 07-05, 0640 UTC

942/31 Attention

41605 93698 66740 37774 58153 62318 31940 79300 76600 84495
27723 01736 58416 48968 34517 30326 94350 03113 77173 81557
42554 89753 82511 83607 34382 57236 07845 12672 03386 91340
28516

Attention (message repeated) Out

13427 kHz, 07-05, 0900 UTC

538/36 Attention

66778 95637 09299 40806 05063 39197 60257 68759 08994 75899
28837 07526 06909 91285 08432 89070 95959 21292 22935 30720
85381 51152 52678 92327 06907 88066 76257 98820 31058 06303
99201 75992 31264 96198 47146 52646

Attention (message repeated) Out

10429 kHz, 08-05/10-05, 0715 UTC

639/36 Attention

17276 46772 08363 65203 65281 03858 24063 04390 67968 59911
14695 77373 45766 19141 23649 71215 56366 05754 89458 43575
38984 38307 97116 32717 96950 20715 44167 47969 45467 38531
84619 56484 89103 97885 23578 17253

Attention (message repeated) Out

12202 kHz, 08-05/10-05, 0845 UTC

151/35 Attention

95194 39655 37485 26008 44152 87281 39915 63031 26947 16236
38681 08977 28081 05855 44363 30567 90622 55509 20991 73718
11686 67648 64840 25020 47793 64122 33351 65587 92391 32380
37929 44281 62545 31404 16091

Attention (message repeated) Out

8186 kHz, 08-05, 1100 UTC. No id mentioned.

/10 Attention

16091 31404 62545 44281 37929 65587 33351 92391 20991 47793

Attention (message repeated) Out

Recording <http://priyom.org/media/193464/e11-8186usb-20180508-1100z-noid-byqsr711.wav>

8186 kHz, 08-05, 1120 UTC. No id mentioned

/20 Attention

17267 46772 77373 38307 97116 19141 26649 71215 20715 44167
05754 89458 43458 44575 17253 23578 97885 89103 56484 84619
Attention (message repeated) Out

Recording <http://priyom.org/media/193467/e11-8186usb-20180508-1120z-noid-byqsr711.wav>

6304 kHz, 08-05/09-05, 1205 UTC

461/36 Attention

45355 57487 02587 53387 56846 56205 74790 45091 80608 61852
73102 96120 56121 48161 39628 08254 48570 77311 07947 88302
04418 65983 27281 70516 37353 12757 98542 09165 80011 72282
69162 71804 44567 24242 36169 19223
Attention (message repeated) Out

11581 kHz, 08-05/10-05, 1925 UTC

551/36 Attention

54726 26800 25456 93112 59756 40375 00551 27139 08007 22421
07273 52691 31182 25204 55333 51703 31585 56359 07833 00408
49119 63810 92234 29285 14303 09919 04001 12667 76271 58916
00534 69271 12772 13663 80687 03054
Attention (message repeated) Out

15795 kHz, 09-05/13-05, 1625 UTC

976/35 Attention

80018 90183 30473 42338 40162 88556 48495 28649 65459 35402
02843 19305 60250 88880 62685 80552 26492 57591 79261 17123
93067 31111 79950 26012 25011 72319 98974 59807 37924 10509
53293 18611 16592 88687 28744
Attention (message repeated) Out

9130 kHz, 12-05/13-05, 2005 UTC

364/32 Attention

70273 39256 84869 08539 11850 78047 14662 41911 66676 37970
01971 83273 57999 07139 35148 78653 00159 85524 32032 13028
07599 06267 46395 36934 05939 10702 60601 05010 49564 81538
49930 87414
Attention (message repeated) Out

8545 kHz, 13-05, 1045 UTC

698/24 Attention

51612 31433 71288 90819 92700 21322 71274 69027 08601 10746
17815 59860 69804 06699 53766 61471 17607 16999 13078 48018
97728 01984 02772 26287
Attention (message repeated) Out

15800 kHz, 14-05/18-05, 0600 UTC

188/21 Attention

65659 69481 42418 58077 28048 51891 80200 04607 94679 20230
51585 81297 95648 11633 64925 50171 32856 76106 73910 01662
56981
Attention (message repeated) Out

14410 kHz, 14-05/20-05, 1745 UTC

249/35 Attention

86891 96401 11912 93114 13762 95596 04889 95120 84008 27154
47287 67161 15225 50596 42318 43756 22502 20994 03552 97855
77386 55411 53323 10895 34846 87531 66333 45864 28285 28140
61711 83844 14106 61304 87094

Attention (message repeated) Out

4783 kHz, 15-05/20-05, 1605 UTC

237/33 Attention

07531 37018 91569 77195 73641 88767 68647 53673 70437 93605
66897 72727 37600 18341 88442 55058 28703 13048 92688 90832
14386 23423 98166 43955 23632 64674 59839 59302 65141 29920
01903 61848 55121

Attention (message repeated) Out

14940 kHz, 18-05/20-05, 1650 UTC

929/31 Attention

70263 48674 03079 67157 29853 00876 76586 36580 12196 83933
81454 61658 16389 79413 26403 62577 16766 55544 40230 94928
39548 78620 19487 05649 32753 06787 80416 92714 94712 20270
05240

Attention (message repeated) Out

7469 kHz, 21-05, 0450 UTC

8088 kHz, 24-05, 1730 UTC

414/32 Attention

29779 77443 99575 17045 80118 08223 21380 14766 15497 30223
30613 95439 97929 22231 70603 67860 31779 77413 19915 15845
81644 59019 17942 99307 99610 84969 53675 52132 88844 30285
03965 94428

Attention (message repeated) Out

13537 kHz, 21-05/25-05, 1225 UTC

521/31 Attention

15588 94750 58430 22304 70910 76582 09198 70322 40036 40611
32635 37068 72784 09469 79806 91661 44500 70057 50803 99565
07785 70171 00063 93658 84768 59206 27895 46322 79028 69104
98622

Attention (message repeated) Out

12397 kHz, 22-05, 1000 UTC

306/25 Attention

07181 05259 16709 41183 93548 33129 52868 96843 61209 79999
06801 47540 05382 47706 36852 96968 38575 32598 84731 34635
71902 81560 80258 92772 71703

Attention (message repeated) Out

15720 kHz, 23-05, 0745 KUTC

342/33 Attention

66033 66988 88023 62878 28322 45633 10558 31785 58455 83488
56591 74225 90908 82725 20233 98244 05167 52328 15782 03415
50112 11294 98645 29246 27088 23972 99901 68818 62313 00294
50362 40987 62077

Attention (message repeated) Out

6304 kHz, 23-05/24-05, 0930 UTC

278/35 Attention

16956 99598 35184 99593 36270 80680 67105 39293 75819 85165
50274 30164 99271 07576 29578 88858 36068 42695 36061 76703
31703 90021 88895 02049 96251 65546 33935 44696 08632 29466
19004 34227 93440 89226 73372

Attention (message repeated) Out

14865 kHz, 23-05/26-05, 1705 UTC

393/33 Attention

59401 32213 61877 30744 96042 47759 26967 00932 00562 70901
89352 03913 51538 74184 69879 90907 90959 97183 69959 42457
25152 16676 08670 28633 19153 75830 96492 37750 19333 52074
92877 04342 05789

Attention (message repeated) Out

7600 kHz, 28-05/31-05, 1900 UTC

643/36 Attention

03177 33557 22460 59359 32069 53619 92802 15827 69342 35385
16048 42166 73086 34439 53751 86197 17372 73928 88304 50217
94581 81749 34514 44113 05777 23340 11452 92861 77459 09872
97225 01588 34653 37395 12072 76962

Attention (message repeated) Out

E17z**16870/12850 kHz, 03-05/10-05, 0800/0810 UTC**

674 812 5 56574 41823 97733 35063 69831 812 5 00000

16870/12850 kHz, 17-05/24-05, 0800/0810 UTC

674 921 5 42997 84116 53718 78927 34694 921 5 00000

16870/12850 kHz, 31-05, 0800/0810 UTC

674 674 674 00000

G06**6887 kHz, 10-05, 1830 UTC**

842 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832
74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
84538 85937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85914 38539 34752 75392 83482 75637 73892 95736 64612
84759 76491

273 62 00000

5935 kHz, 11-05, 1930 UTC

218 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832
74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
84538 85937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85914 38539 34752 75392 83482 75637 73892 95736 64612
84759 76491

273 62 00000

7320 kHz, 21-05, 0759 UTC. Early start

3 followed by Windows sounds.

Restart at 0801 UTC: 329 329 329 00000

Windows shut down sound

Recording: <http://www.numbersoddities.nl/G06-2018-05-21-0759z-7320khz.mp3>

6887 kHz, 24-05, 1830 UTC

842 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

5953 kHz, 25-05, 1930 UTC

218 273 62

64537 27364 28374 34736 39291 27384 37438 28372 27480 94832

74563 38458 83492 29310 18237 74391 37281 17283 84032 72362

84393 67482 56464 69738 26491 32642 13794 83842 23810 47131

95437 82683 73913 74592 43618 74932 74924 74297 43621 94724

84538 85937 34021 83929 90184 72641 84829 74826 48231 83732

72642 85914 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

S06**10755 kHz, 04-05, 1515 UTC. Test i.p. with errors and breaks.**

975 123 28

61852 57903 44584 46659 08147 34839 08043 15187 93583 09111

80370 09313 64826 59324 56039 83596 80693 84630 31065 94464

80026 37797 37135 14579 72203 72053 44575 91451

123 28 00000

Recording: <http://priyom.org/media/193373/s06-10755usb-20180504-1515z-byqsr711.ogg>

14736 kHz, 11-05, 0930 UTC

842 679 50

79767 84520 28427 72425 58535 63534 05142 43047 40915 92003

81408 49349 74123 50806 60613 78269 17771 37874 06801 96950

17465 04952 72233 09379 81246 08523 95743 66824 26040 10827

51590 30876 86316 91911 53469 12285 02151 58666 43410 34152

28856 61750 20203 92851 35390 56385 87078 15158 83724 67923

679 50 00000

10423 kHz, 13-05, 1800 UTC / 8167 kHz, 13-05, 1830 UTC

058 913 50

85955 42658 48987 18940 06473 89052 31933 48224 23995 23866

00516 56191 51504 11793 52106 74203 43342 87207 46925 20142

47788 60821 60091 52389 45679 56519 84543 78185 60997 08059

33278 58588 54373 70316 14346 77186 35426 24776 77037 64779

54906 83941 52695 97197 62541 24363 38596 08453 41557 02964

913 50 00000

14736 kHz, 18-05, 0930 UTC

842 571 30
 53954 78691 23590 10320 61037 54373 16892 19142 56075 80976
 90870 13293 45274 05043 30754 56481 10049 22974 40210 50324
 49860 63985 99862 45665 32577 10657 13791 93840 44542 18016
 571 30 00000

10423 kHz, 19-05, 1800 UTC / 8167 kHz, 19-05, 1830 UTC

058 734 50
 50910 46397 87167 80558 84607 62219 21608 22678 11099 05673
 51572 24573 23799 99664 45777 75696 74352 99275 38869 20549
 16577 05200 67405 82321 43463 42527 32494 19855 90687 72039
 25035 97575 05064 26217 74486 73111 01372 87133 07118 32273
 56001 48442 24663 26082 10859 28622 39320 89542 85950 27690
 734 50 00000

10423 kHz, 23-05, 1800 UTC / 8167 kHz, 23-05, 1830 UTC

058 324 50
 78993 79022 88916 20352 78520 54986 93888 38468 72963 32531
 38346 44719 00307 33014 76181 44094 38701 85230 01672 09515
 35254 13181 57088 13650 34818 23713 64628 82293 15470 27703
 56091 36531 68052 81481 98753 15846 80489 52186 40870 99381
 12831 36721 25244 67532 73955 89025 44296 71051 35871 35324
 324 50 00000

17475 kHz, 24-05, 0830 UTC / 14736 kHz, 24-05, 0930 UTC

842 605 31
 66604 09440 41676 56744 44510 85431 25331 50432 74695 68420
 17290 78790 76779 67709 95094 59678 65820 62376 48058 84258
 95645 86669 47981 89347 14388 76435 25054 55660 49411 62525
 78616
 605 31 00000

15721 kHz, 28-05, 0400 UTC. Sent in LSB !!

480 312 60
 77504 55880 77726 02070 50625 09091 12184 68214 09928 44869
 69343 55039 97524 91924 58462 12320 54757 94236 60835 28535
 09049 89096 38772 69505 35864 60641 22016 04242 56702 73565
 95047 35189 59059 16691 33692 75053 49302 11092 64494 37392
 74396 62461 45277 33166 73405 62390 90330 90440 44729 68277
 88665 39408 39989 16525 88776 29936 20516 48732 48342 73825
 312 60 00000

10423 kHz, 23-05, 1800 UTC / 8167 kHz, 27-05, 1830 UTC

058 419 50
 94359 24657 67280 93894 08645 86710 03236 64897 33763 32639
 83692 66870 70095 86791 17586 55399 25143 09496 95683 05003
 49893 22658 37358 36739 45603 87420 97611 47079 76926 13554
 32793 30239 52328 05276 48443 11162 57724 73184 77703 31321
 54271 66993 63737 54554 76266 08748 44586 85096 90074 31226
 419 50 00000

S06s**6766/7744 kHz, 22-05, 1500/1510 UTC. Wrong repeat of the first group.**

537 206 8 35944 (35933) 64372 13078 10915 84613 77148 25162 33425 206 8 00000

Recording: <http://www.numbersoddities.nl/S06s-2018-05-22-1510utc.mp3>

5149 kHz, 01-05, 0455 UTC

320/35 Vnimanaye

21135 03321 78316 54684 56611 03678 11252 50617 47324 87539
06801 67627 21335 54077 64169 55484 83025 67740 81043 73515
03363 42139 23907 82781 81963 49335 57942 12991 44172 15786
73031 09834 11320 72262 92156

Vnimanaye (message repeated) Konets

11092 kHz, 02-05/05-05, 1540 UTC

569/35 Vnimanaye

54740 18473 68736 04671 16964 40301 87915 02266 18220 74711
46028 84352 34362 07249 00818 53774 81788 45219 79954 33080
24054 94116 63009 72116 91621 32927 33430 55450 21086 97263
10083 01763 31032 40356 43850

Vnimanaye (message repeated) Konets

4870 kHz, 16-05, 1955 UTC

378/35 Vnimanaye

23474 94723 28328 24602 72960 72906 55216 75275 36679 45858
64670 60739 63549 90856 25173 84561 09010 42507 03062 10777
85255 84891 77578 28240 11356 00265 24433 53560 15029 74393
05517 83439 22477 36052 80068

Vnimanaye (message repeated) Konets

10210 kHz, 21-05/24-05, 1015 UTC

471/38 Vnimanaye

00193 86200 70834 98064 50057 20524 44143 76455 91670 32466
42730 38708 38086 84919 08598 66186 09365 58431 70938 15092
78070 74082 68763 85032 26311 60749 67141 87155 98381 14270
04049 71509 43309 35012 70721 34896 41684 37870

Vnimanaye (message repeated) Konets

8800 kHz, 22-05, 1020 UTC

427/37 Vnimanaye

00568 32066 10557 41495 67116 15911 43483 39713 34270 74811
90768 98514 36563 59736 05319 12784 97349 91358 79346 39859
29687 75228 87648 97399 66030 77144 63506 62283 59108 63141
35586 68895 38494 36493 49591 53011 38523

Vnimanaye (message repeated) Konets

12457 kHz, 23-05/26-05, 1850 UTC

286/38 Vnimanaye

40452 26772 11129 00652 48943 56208 49059 46277 63036 16760
48881 01558 06832 51853 85477 39381 38495 06882 15708 17092
58093 15699 02626 09613 75018 50315 90857 09862 09335 61189
49614 58577 66822 17903 31145 00604 91060 62947

Vnimanaye (message repeated) Konets

5737 kHz, 23-05/27-05, 2050 UTC

486/40 Vnimanaye

91458 23709 43102 33635 90623 80169 92361 40404 57525 51827
38210 12069 56401 51646 57361 97486 70654 01443 67916 54123
28817 51535 43576 77533 02916 39684 32984 74463 55425 88758
03801 89641 52069 66992 48841 58541 06059 06064 24524 60782

Vnimanaye (message repeated) Konets

S28 - The Buzzer

On May 20th I got a note from JM5 who mentioned that for a couple of weeks S28 is operating with two transmitters from two sites: on 4625 kHz J3E (site near S. Peterburg) and 4625.07 kHz R3E (site near Moscow).

V02a - Dirección General de Inteligencia

8135 kHz, 22-05, 2300 UTC: V02a instead of M08a

V07

14482 kHz, 06-05, 0500 UTC

435 435 435 1 378 61 378 61
86864 14077 21540 89726 88059 37644 49085 666?7 75957 08700
16336 31978 54322 85832 74908 07347 92586 33375 28966 ?9482
00821 48974 30214 78961 75061 70293 33377 64482 66676 62791
41105 76158 65737 70638 53246 3?510 06397 41717 69853 91852
85514 25807 58377 64243 51009 58333 24732 88722 89965 18574
14373 74459 32248 66771 26083 93567 03929 02990 21745 03347
24552 000 000

14482/13382/11582 kHz, 20-05, 0500/0520/0540 UTC

435 435 435 1 331 57 331 57
04791 40861 02969 46278 05008 20223 68966 34906 41852 36916
20213 49363 05105 58602 03071 77241 72800 65202 99387 29503
19843 86967 27011 75427 81955 35489 58608 82157 35020 83071
84802 02118 94769 65426 23180 89660 58798 05886 59008 78627
29668 41272 44822 91809 65055 05033 37866 60392 31193 99224
76905 79995 58081 73927 84442 56948 29650 000 000

V15 via PBS Pyongyang Pansong

3320 kHz, 05-05, 1445 UTC

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

V15 analysis by Amano

New Pyongyang standard time started from 1500 on May 4, 2018.

Along with that, the starting time of V15 was also 30 minutes earlier.

May 05 Sat, 1445'14"-1448'32"

* No. 214 explorer / Physics review task

* <http://radio.chobi.net/bbsasia/img/4224.mp3>

- 3320 kHz, received in Saitama, Japan. (02:00 editing audio)

* Physics is translated as "mullihag" in Korean.

* Start page and the number : 251, #01

* End page and the number : 557, #90

* She reads 24 pages and numbers and repeats it twice.

6400 kHz, 10-05, 1545 UTC

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

Recording: <http://www.numbersoddities.nl/V15-2018-05-10-1545utc-6400khz.mp3>

657, 3320, 6400 UTC, 24-05, 1545 UTC

North Korean intelligence via PBS Pyongyang Pansong. Message in Korean

V28

Thanks to Hiroyuki Komatsubara for the following notes and his V28 logs.

Frequencies:

- Frequencies are not fixed and are often drifting
- Morning transmissions (2000-2300z) : mostly around 4200-5700 kHz. Last used: 4494, 4630, 4980, 5160 kHz
- Night time frequencies (0900-1400z) : mostly around 2900-3700 kHz. Last used: 2930, 3001, 3050, 3518 kHz

Mode: AM

Operators: Both male and female operators

Latest logs: V28 "The Parrot" (03) : <http://radio.chobi.net/DX/SPYnumBBS/#989>

Past Logs: V28 "The Parrot" (01) : <http://radio.chobi.net/DX/SPYnumBBS/?res:6>

V28 "The Parrot" (02) : <http://radio.chobi.net/DX/SPYnumBBS/?res:761>

Broadcasting times:

Annual schedule forecast. New schedule since May/05/2018

Jan	2100-2110/2200-2210, 0900-0910	Jul	2100-2110, 1200-1210	Note: Broadcasting times changed with North Korea's standard time change.
Feb	2200-2210, 0900-0910	Aug	2100-2110, 1200-1210	
Mar	2200-2210, 0900-0910	Sep	2100-2110, 1200-1210	
Apr	2200-2210, 1000-1010	Oct	2200-2210, 1300-1310	
May	2200-2210, 1000-1010	Nov	2200-2210, 1300-1310	
Jun	2200-2210, 1000-1010	Dec	2200-2210, 1300-1310	

MORSE STATIONS

MX - Russian Military beacons

8821 kHz, 05-05

S-marker (R5) at 0630, 0700, 0730, 0800, 0830, 0900, 0930, 1000, 1030, 1100, 1130, 1200, 1230, 1330, 1400, 1430, 1500z. No transmission at 1300z

M01

5280 kHz, 03-05, 1800 UTC

025 133 133 30 30 = =

72231 71370 71073 45573 19813 29665 74701 25381 08551 14804

09985 44666 14025 22188 77442 99930 53140 78870 52114 95858

87046 90836 02780 34090 54758 17129 36146 46563 37219 19352

= = 133 133 30 30 000

6435 kHz, 05-05, 1456 UTC VVV VVV VVV

6435 kHz, 05-05, 1500 UTC

025 110 110 30 30 = =

49248 22061 56762 76158 40113 09986 50825 96909 44417 18195

71823 78416 41154 45112 79951 19022 81514 44772 61591 05588

22640 42222 931662 9598 10089 24230 11071 19053 58711 60216

= 110 110 30 30 000

5280 kHz, 08-05, 1803 UTC, i.p. As sent:

913 5925559255 41099 41099 825468254 419915 764674 20771075813358133 115631163833923 9809878671386713
38730387007221022119083190830174017 171473 034603463593135931 6182461824 388203882
180671807196481964870297702 65068 67399797198471784 038910811266912669
= = 728 728 30 30 000

6435 kHz, 12-05, 1500 UTC. Partly unreadable due to deep fading. As sent:

025 415 451 30 30
2840428404 7499275992 4699246992 8824888248 9588095880 5945159451 99214992145591591 3229369955895581
2035520355 76656652 9687496874 3674036740 5853158531 4780547805 8769587695 7238772387 9413694136 9223292232
6023660236 3917139171 8871688716 8269382693 4xx20xx03483 8227582275 2252422524 7834978349 5150451504
= = 451 451 <SK> 000

6788 kHz, 13-05, 0700 UTC. On 6788 instead of 6780 kHz

025 454 454 30 30 = =
10315 23156 36097 34864 98791 46908 20215 61290 08721 08391
53302 38914 12170 01623 51877 72261 71231 07450 06183 93411
69695 62337 65899 44957 28748 60057 07966 62003 28335 47794
= = 454 454 30 000

6788 kHz, 20-05, 0700 UTC. As sent:

025 301 301 30 30 = =
018020 1802 0731807318 9677196771 1189811898 1719217192 0320312 288186 88768873213433 9258028 612496124
6168611689789797897 98872987 78987878013220122 07808778 70714714 5259352593 460409 029480248 401954019
51577157 658336583926392630 6313263132 7192871928 045100451 182848283 2310823108
= = 301301 3030 000

5280 kHz, 22-05, 1800 UTC

025 159 159 = = 30 30 = =
29505 42626 03773 67348 22924 07049 92558 01175 96002 58007
72810 86839 37146 99708 24034 64047 34387 48048 05976 98748
62355 98775 74470 46355 13030 42509 38456 49162 63669 43666
= = 159 159 = = 30 30 00000

M12

9241/7541/6841 kHz, 02-05, 2100/2120/2140 UTC

258 258 258 1 8307 165 8307 165
67775 36507 48119 49521 68815 65955 57314 23382 12866 94715
46127 43431 86894 14129 76928 13835 35170 18961 38292 47357
25718 38291 84870 54631 27950 72913 79206 05706 81772 09279
77297 88545 61265 48657 42508 33659 08712 22394 66507 15996
00960 68926 86861 71331 42649 19786 52155 23344 28736 31687
59075 23516 34758 44626 59975 54823 03297 35898 81075 91568
90525 09167 32028 03917 40969 47414 88184 69163 07687 75007
87872 07456 70896 66975 40938 60673 80431 18102 29980 14566
17091 62329 62288 26112 26611 26594 72685 59777 18362 37448
00767 85114 36521 47053 71986 23818 29312 07810 77256 25558
36918 22028 61069 23110 84940 34182 30766 84626 34990 03480
27659 39934 32303 14835 53904 76432 82283 82879 05215 99147
67903 09555 87856 71181 50065 06540 81039 63438 52239 15136
59237 03797 11857 02367 20801 45434 72513 05020 75043 82690
86977 15459 74955 09669 76360 33055 07194 45634 69577 92257
51739 02573 65630 71407 15528 61897 95618 59328 70008 65491
14772 42761 53983 10436 67211 000 000

13926/12126/10926 kHz, 03-05/05-05, 1310/1330/1350 UTC

919 919 919 1 9890 49 9890 49
56553 47145 06454 85269 84456 85678 05494 53509 19090 84691
56706 49422 29136 86330 10542 46183 91584 32469 71302 05911
15391 78722 12438 64266 23681 55456 84462 10791 58095 93648
98068 52923 94618 89838 09587 77406 38781 89891 28490 21141
34815 62230 57638 09296 98966 53944 58758 60601 20615 000 000

9167/10267/11567 kHz, 05-05, 0500/0520/0540 UTC

125 125 125 1 8307 165 8307 165
67775 36507 48119 49521 68815 65955 57314 23382 12866 94715
46127 43431 86894 14129 76928 13835 35170 18961 38292 47357
25718 38291 84870 54631 27950 72913 79206 05706 81772 09279
77297 88545 61265 48657 42508 33659 08712 22394 66507 15996
00960 68926 86861 71331 42649 19786 52155 23344 28736 31687
59075 23516 34758 44626 59975 54823 03297 35898 81075 91568
90525 09167 32028 03917 40969 47414 88184 69163 07687 75007
87872 07456 70896 66975 40938 60673 80431 18102 29980 14566
17091 62329 62288 26112 26611 26594 72685 59777 18362 37448
00767 85114 36521 47053 71986 23818 29312 07810 77256 25558
36918 22028 61069 23110 84940 34182 30766 84626 34990 03480
27659 39934 32303 14835 53904 76432 82283 82879 05215 99147
67903 09555 87856 71181 50065 06540 81039 63438 52239 15136
59237 03797 11857 02367 20801 45434 72513 05020 75043 82690
86977 15459 74955 09669 76360 33055 07194 45634 69577 92257
51739 02573 65630 71407 15528 61897 95618 59328 70008 65491
14772 42761 53983 10436 67211 000 000

17451/15951/14451 kHz, 07-05/09-05, 1400/1420/1440 UTC

494 494 494 1 964 77 964 77
21311 86085 56935 89198 34186 48339 69007 24567 74575 97749
44102 31685 33227 45548 06861 44974 64346 20945 45163 94959
41321 41072 69330 52218 84357 36967 98843 00952 59434 69045
52292 43661 50034 78352 29768 64654 39911 37122 06506 13203
21842 87184 64843 66125 61019 82051 83806 16466 63609 55293
53127 53441 98044 46240 42310 49932 91874 08058 72256 58246
45835 78844 67087 94998 87178 54799 24335 13187 85656 24624
71658 29691 66045 85854 81853 23841 31333 000 000

10343/9264/8116 kHz, 14-05, 2000/2020/2040 UTC

124 124 124 1 9384 110 9084 110
54431 71824 69400 59616 32259 99591 52100 65068 82535 12903
44819 67874 95721 35172 14352 79989 64939 28594 25378 52311
92368 55505 96245 43695 96679 80522 66014 32181 86959 47495
42148 01853 17275 12873 61668 36043 83219 99706 24580 45976
88962 40041 44683 24088 42269 00075 41787 48832 16226 38173
25790 13404 76380 66266 78191 66720 78165 44440 02018 96164
77114 53066 80944 49870 02244 53405 23380 90559 74174 36051
87644 67972 30660 35044 48874 61326 25221 37656 76383 31596
95617 57050 74867 64763 99512 40795 97102 07348 46367 52826
85988 57440 40456 40885 82101 15121 14521 95337 49850 48834
26822 06510 30070 81717 40260 05710 67369 73958 01357 80033
000 000

9241/7541/6841 kHz, 16-05, 2100/2120/2140 UTC

258 258 258 1 6792 141 6792 141
56768 42327 36952 60965 24861 20030 25700 43117 25120 06777
95432 08295 29314 95365 00450 08414 69032 47408 11714 51676
68111 73042 45926 27968 33067 56956 42061 65364 02268 53966
53987 66738 23375 85501 76893 64285 55669 46893 17057 02386
42523 30062 76142 93847 36478 11718 31667 10709 90226 35605
27242 73500 32182 82481 95763 92708 14436 55982 28981 53268
68027 66521 90856 63679 92758 33565 61791 70602 03685 21049
49409 55203 70953 62009 50433 79540 68207 16581 16345 77127
46248 93347 10694 24611 81851 95574 77884 74258 48464 42610
21859 43168 62939 28780 45453 82435 18964 03698 22675 83172
15406 46576 06976 97108 12592 46764 40225 85773 39826 77330
23040 42571 47584 87350 62423 06386 87948 65939 46378 02927
46045 37617 44261 48417 07685 26427 92995 54145 53312 66516
10751 99394 82390 19040 75282 99224 86337 37953 71327 16707
78076 000 000

13926/12126/10926 kHz, 17-05/19-05, 1310/1330/1350 UTC

919 919 919 1 6600 55 6600 55
33758 99053 07449 78562 16994 87769 91297 07451 36121 99454
23572 86464 86772 87762 07678 94004 25540 73261 19010 25537
75111 15812 73238 22521 21690 56484 74098 69254 22997 41773
00216 70573 16147 20854 18521 57307 52280 78321 89468 50824
74597 55835 61035 85361 55912 39209 03981 62755 07249 18632
24835 99496 49856 09226 46517
000 000

9167/10267/11567 kHz, 19-05, 0500/0520/0540 UTC

125 125 125 1 6792 141 6792 141
56768 42327 36952 60965 24861 20030 25700 43117 25120 06777
95432 08295 29314 95365 00450 08414 69032 47408 11714 51676
68111 73042 45926 27968 33067 56956 42061 65364 02268 53966
53987 66738 23375 85501 76893 64285 55669 46893 17057 02386
42523 30062 76142 93847 36478 11718 31667 10709 90226 35605
27242 73500 32182 82481 95763 92708 14436 55982 28981 53268
68027 66521 90856 63679 92758 33565 61791 70602 03685 21049
49409 55203 70953 62009 50433 79540 68207 16581 16345 77127
46248 93347 10694 24611 81851 95574 77884 74258 48464 42610
21859 43168 62939 28780 45453 82435 18964 03698 22675 83172
15406 46576 06976 97108 12592 46764 40225 85773 39826 77330
23040 42571 47584 87350 62423 06386 87948 65939 46378 02927
46045 37617 44261 48417 07685 26427 92995 54145 53312 66516
10751 99394 82390 19040 75282 99224 86337 37953 71327 16707
78076 000 000

10343/9264/8116 kHz, 21-05, 2000/2020/2040 UTC

124 124 124 1 9264 110 9264 110
64829 18535 88269 41582 25171 35692 17464 44537 55177 85235
99162 22476 05514 48476 79627 58511 42734 62177 35639 34302
96615 73389 48289 24250 47440 47562 30376 59540 21819 12148
77260 20338 07959 67199 72100 94471 73899 38104 65493 65959
56641 11202 13611 08194 61799 06119 21480 79019 18272 11788
98176 65754 31134 95103 58502 85826 63953 47467 55557 14706
24695 18805 48595 61823 09920 14134 49587 62558 27206 71192
85000 15657 87998 19972 76530 99388 62593 27093 49866 16677
96082 90812 67789 25684 21189 51027 77325 24991 11525 39135
26783 59076 89954 32444 66488 21899 76076 67657 66613 66126
63775 80723 14211 59245 21102 32264 59500 60021 93127 31491
000 000

9241/7541/6841 kHz, 23-05, 2100/2120/2140 UTC

258 258 258 1 6810 69 6810 69
 88750 32698 40863 23388 47994 50380 30443 87309 89601 63107
 21136 63900 44366 99440 24808 43299 72843 49959 25508 88385
 10937 99840 70382 37779 02518 15847 97064 23170 75045 45966
 65310 60567 28116 70533 01282 97831 46846 75612 23050 46954
 33234 03192 45928 52175 89276 24404 49573 36768 72813 84803
 08475 18790 93104 44705 23792 16959 35438 12674 05613 21937
 47695 74432 00333 33985 60060 49800 14261 35804 24182 000 000

10343/9264/8116 kHz, 28-05, 2000/2020/2040 UTC

124 124 124 1 5295 107 5295 107
 88666 30564 71388 60006 02907 57476 50240 89685 14077 47903
 86786 38624 32720 38945 18031 79272 53421 20669 58468 25360
 49603 50822 31463 40845 35394 70252 33845 04577 96731 76854
 66777 72158 59054 98323 04999 10892 30029 08044 15545 23119
 43112 56083 27778 10799 25993 82007 22765 46739 57199 84910
 39311 39252 21872 39462 93099 40905 37831 02966 52084 47369
 42731 81265 71253 28388 50221 88585 24652 14396 47511 20194
 49566 58333 38086 99500 94255 36473 60057 69411 14117 91464
 65747 12654 21291 26282 17644 97157 28434 37562 36740 15517
 42541 98080 44722 21284 33232 83257 47409 34999 58904 78239
 40666 33421 32772 96164 39330 47237 48662 000 000

17451/15951/14451 kHz, 28-05/30-05, 1400/1420/1440 UTC

494 494 494 1 502 133 502 133
 16230 43234 45482 20167 05854 34003 56713 28114 74294 31152
 24977 94519 55365 43565 38154 83561 70126 02864 19864 83675
 73004 79822 53759 60519 50859 80595 15864 65425 31760 44283
 86972 83459 65163 18950 23720 85941 32081 77196 19214 75117
 47051 24825 03340 34204 89210 71090 01598 35976 09270 50698
 47946 73111 59705 06874 54982 97171 81457 74891 45432 24069
 84124 52826 16364 78867 29274 92369 46013 14769 19079 92686
 56594 63108 22676 41970 49979 94600 62761 10418 88043 58642
 99030 03369 41013 41842 72114 11013 78695 60103 82445 46667
 32304 76380 84657 14507 07006 18293 54632 99244 08698 60500
 51059 79762 64831 55758 53054 39838 89461 33221 35432 57926
 59877 45964 69955 70452 53665 50662 74277 17222 15279 14836
 42049 08911 67343 79505 81564 24136 94528 64717 09625 37081
 31294 32760 51835 000 000

M14**4730 kHz, 05-05, 0800 UTC / 4650 kHz, 05-05, 0900 UTC**

523 273 273 55 55 = =
 74653 26354 93746 27364 18263 72635 28716 81235 73654 87534
 16324 32543 17365 56374 82534 08743 17425 93764 37215 72543
 53645 27321 87364 25341 89765 74653 27345 46372 10763 36572
 17145 28364 37281 73764 82736 73652 18972 37485 83674 18902
 36452 63542 17453 63463 72831 36425 16723 97463 18234 92764
 73865 27354 52132 48736 91023
 = = 273 273 55 55 00000

18041 kHz, 07-05, 0500 UTC

952 743 743 50 50 = =
74026 28357 29000 00622 43083 13718 66243 89333 50586 28246
12880 02666 40871 25439 53535 93636 80480 20210 87783 70186
08378 88711 14688 78244 25067 32706 05274 98583 35512 80183
91853 49610 42190 82894 94502 13319 37973 52500 18565 26568
32866 10033 20666 04876 41451 28325 39658 90925 94211 400132
= = 743 743 50 50 00000

18041 kHz, 10-05, 0500 UTC

952 738 738 50 50 = =
50634 28337 58406 94205 13755 05787 20027 99833 57950 49154
59257 60200 42072 87338 68814 54965 19850 41207 89140 41894
32828 57036 19370 30394 71763 82238 39703 12168 23664 69310
74903 97440 46662 18942 53596 30187 39903 98225 43049 80800
00646 94894 64131 39644 85750 93539 16140 59912 19773 84733
= = 738 738 50 50 00000

18041 kHz, 11-05, 0500 UTC

952 104 104 55 55 = =
09437 00177 50819 67654 89618 11626 23939 28550 50160 92622
10112 14097 94969 20301 57972 57294 13136 35591 24590 80569
77214 78394 70088 62638 46297 46681 71897 03521 59803 09209
07072 29874 32935 26531 76114 07857 89726 60003 66738 55697
94628 73462 81008 73152 68571 57266 74302 30052 00425 29386
79522 81113 89824 93238 14997
= = 104 104 55 55 00000

18041 kHz, 14-05, 0500 UTC

952 38 638 50 50 = =
52408 32011 00243 92885 40611 62181 11603 25980 56189 33866
55302 52393 35577 05971 84530 06424 66936 77679 62081 11376
88538 24118 57405 58629 52872 60630 86749 02047 67405 90355
69787 34893 47951 14793 01196 41466 45564 12042 60609 40620
32911 12407 09394 63374 61054 26055 47668 31785 22577 02404
= = 638 638 50 50 00000

18041 kHz, 16-05, 0500 UTC. Late start.

952 630 630 55 55 = =
42303 02311 24501 21251 34122 69685 56592 26872 33265 46659
78128 69723 82640 65521 14288 69419 23949 27909 13952 48856
39130 55802 23429 96585 30973 38323 39183 24205 78825 54019
38006 10954 30334 73320 08062 52711 15157 70865 29256 57567
91590 02373 76349 55169 62044 25755 43274 12021 18292 71155
12067 69930 02459 89598 14881
= = 630 630 55 55 00000

18041 kHz, 17-05, 0500 UTC

952 784 784 50 50 = =
15777 12136 80657 35951 95978 39625 28940 23629 26148 51605
05747 48332 33776 14124 59252 15657 45454 28171 09628 77505
50951 68839 38560 48443 28723 31606 14417 00266 62529 34177
95244 45736 03860 47346 76783 47417 59837 53287 77690 12536
11305 54729 79158 59827 90773 83442 61116 6927974922 81488
= = 784 784 50 50 00000

18041 kHz, 18-05, 0500 UTC

952 310 310 60 60 = =
 25193 45844 57428 11313 57166 76611 89888 87344 08985 09148
 95461 08074 69052 45200 24966 42031 27166 65007 05582 43056
 17235 16240 46308 71358 91387 96484 27121 33040 86227 94547
 95252 55257 67506 63917 17044 39220 63807 35184 58797 58207
 25389 53945 95067 92791 69048 48898 67841 20454 94965 59779
 45024 01787 86450 79869 51682 30464 28540 92727 72482 39162
 = = 310 310 60 60 00000

4730 kHz, 19-05, 0800 UTC / 4650 kHz, 19-05, 0900 UTC

523 707 707 23 23
 34256 76845 89056 76834 89723 56723 78923 10201 78912 89032
 89034 56775 89034 12367 89326 89008 34512 76675 10101 78934
 56564 89043 77277
 707 707 23 23 00000

18041 kHz, 21-05, 0500 UTC

952 786 786 50 50 = =
 49107 25530 54659 82684 96163 62573 75940 05628 74720 80316
 18251 29216 73046 74957 11886 26383 38120 67890 71299 81875
 31045 26516 17950 00225 35681 51178 33710 66556 31451 82898
 18287 27424 66225 11594 49075 83838 90255 89476 66895 13704
 37076 79312 36043 65826 62317 92234 52101 92698 76364 94792
 = = 786 786 50 50 00000

18041 kHz, 22-05, 0500 UTC

952 104 104 60 60 = =
 04397 38609 84729 39004 95564 63400 48286 28918 76388 76830
 27111 07093 15941 60062 81096 18380 40404 28667 86306 09185
 87249 72210 76691 54804 35668 75204 92545 20453 05470 80322
 40389 79428 41621 79857 93960 36828 26619 46326 91014 32280
 87881 38176 04507 20114 92343 41532 00550 50410 45454 33902
 89739 99359 36750 80811 65028 22391 99195 01269 67336 28473
 = = 104 104 60 60 00000

M89 - Chinese military**4873 kHz, 01-05, 1114 UTC, i.p.**

Format used is similar to that used by DP91 stations

QRJ U LL TO HR QRJ U LL TO EN K
 NR QSL 0913 R K
 U LL TO HR K
 U LL TO HR U LL TO HR
 U L F. AS AS

8800 kHz, 03-05, 0654 UTC, i.p.

HR SR WK NR 03 K K
 NR HR WK O EEEE HR WK
 RHR NH RM RR R HR QSA 1 QSA ? K K
 R R HR QSA ? (Both stations on this frequency)
 R R HR QSA EEEEE HR QSA 2
 NR HR IEC = CK K (Normally used during exercises)
 R R HR IEC = CKM K
 RR P EEEE NHR WK NR 03 K K
 R R HR WK NR 03 K K K K K K K K
 RR . NR M E R 7G GA ?
 7G NR 7G GA
 GA GA
 R 7G NR

7G NR 1005 CK
7G NR 1005 CK 61 26 0502 0910 K K K
7G NR
7G NR 100
7G NR 1005 CK 61 26 0502 091N EEEEE
7G NR 10 7G NR 1005 CK 61 26 0502 0910
7G NR 1NE
7G NR 1005 CK 61 EEEEE
7G NR 1005 CK 61 26 0502 0910 K K K K K K
7G NR 1005 CK 61 26 0502 0910 K K
R GA
01W = =
5D53 U4TT 3T4. (Cont'd) AR K K
R GA 7G NR 2005 CK EEEEEEE
7G NR 2005 CK 61 2A 11 0502 0910 K K
R R GA
01W = ANU4 43AD ND76 4UD3 DT54 (Cont'd) AR K K K
QSL 0922 K K
QSL 0922 QSL 0922 QSL 0922 K K
R R GA
7G NR .00. CK 61 26 0502 0910 K K
R R GA

5556 kHz, 10-05, 1023 UTC

AD73 3TN5 4AT6 UND4 63UD (Cont'd) AR
= = 4N73 7UT6 D3A7 6AN5
= = N = AU34
V V V UV V VVV = 4N73 7UT6 D3A7 6AN5 (Cont'd)

8797 kHz, 10-05, 1046 UTC

6TU7 46A3 4A4N 6T7U UT3A TND7 ... AR K
R RPT W. R RPT 1.3
R RPT 38W TO 40W = = 3ADN U74. U4A .. K
R ...
3ADN AR K
R R (Cont'd repeat groups)
R R QSL 2/. 1 K
R R OK GA K
R 7G GA NR 004 1 7 0510 0850 RMKS ..26 TO .5. K
R GA K
= .TU463 A5N6 T... (Cont'd)

3224 kHz, 17-05, 1701 UTC, i.p.

39 TO 89.9 /8649/.97./8699/8669/8660/8989/5398EE
RMKS = 8939 TO 8919/8649/8979/8699/.569/8660/8989/5398/8119/.41./8939 AR K
MSG NR 1.. = =
5TN. D3U4 4U7N 7645 5DUA T743 A54N NTDU TA3N TTU5 563U ANDT (Cont'd)

5790 kHz, 18-05, 0732 UTC, i.p.

R GA
R HR MSG 01W = (Both stations on this frequency)
5D7T UAU7 N44N 443. 35DU 4U73 4N76 AN6T UDA7 36D3 A4D6 (Cont'd)
RR RPT 21W TO 23W K
R HR RPT 21W TO 23W K
= U.5DA UNTUT AR
HR RPT 21W TO 23W = 5DAU NTUT 45UA AR K
R R OK QSL 15..
R R HR WK NR 1070 K
R HR WK NR ..40. K
R R SK
SK SK

RPT .23W = ..U NTUT 5DUA AR K
IEC = 025. Q.. AR K

10332 kHz, 20-05, 1023 UTC, i.p.

VV LFQC DE HVDK = YR NR 05 7G QSL TIME 1803 AR
VVV LFQC DE HVDK = = YR NR 05 MGS QSL TIME 1803 AR

5678 kHz, 24-05, 0900 UTC

7A37 U5N3 53A5 N5DT 76DA (Cont'd) AR K
RPT 1W = A47N AR
R RPT 1W = A47N K (Cont'd repeat groups)
R HR WK NR 11 SK
VA VA

M95

5897 kHz, 02-05, 0750 kHz, i.p.

05 05 05
443U6 5NTU 46DU T4TA (Cont'd)
505 BT 4D7A 4T5D 6N3A 3U5T 6T7U T3U7 A6D5 N4U6 A73D (Cont'd)
R R VA VA VA DE FFJM II
505 VVV IE VV FF 1M DE B. R ..II
R BVAE DE FFJM QSA 3 QSA ?
R IEC = 12345678 (Normally used during Exercise)
R IEC = 09123456 AR OK HR I ? HR WK NR .. 61.
R HR WK NR IS.09 K (Both stations appear to be on this frequency)
OK QSU VA SK SK

4364//8073 kHz, 03-05, 1140 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7G GA PSE CY
NR 0375 CK 209 35 0504 1615 =
TT3 3U6 3AN 3U7 (Cont'd)

4243//9054 kHz, 03-05, 1147 UTC

VV HR MSG TO YR PSE CY
NR 001 CK 22 35 0503 1500 =
5TD UTT TT3 3U6 7TA N44 3A4 35U 4A5 34A
N3D 4AA U7U N4A 446 3DA TTU TT3 773 447 3D3 4D6 AR
MSG AGN
NR 001 CK 22 35 0503 1500 = (Repeats message) AR
A HR MSG GA
NR 083 CK 18 35 0503 1602 =
UT5 TT3 3U6 3A4 TTA TTU TT3 773 35U U4T
353 4AU 446 467 4D6 N3D 4D3 3DU AR
MSG AGN
NR 083 CK 18 35 0503 1602 = (Repeats message) AR
A HR MSG GA
NR 06 CK 162 35 0503 1617 =
UTU TT3 3U6 3A4 TTU 773 N44 5AA 75U 35A (Cont'd) AR
7G GAN
NR 06 CK 162 35 0503 1617 = (Repeats message) AR
A HR UP SB WK

10180 kHz, 03-05, 0628 UTC

V DKG6 DE 3A7D
HR SVC GA NR 046 1430 RMKS 5.1.2 TO 5526 -
CL/1500/ZBT/A202/5526 AR QSL ? HR WK NR 050
V DKG6 DE 3A7D

4243//9054 kHz, 10-05, 1149 UTC

HR 7G TO YR PSE CY
NR 015 CK 22 35 0510 1506 =
5TD UTT TAT 3U6 3A4 35U N3D 353 4T. 34U
N3D 4T7 U7U N4A 445 3DA TTU TT3 773 446
3DU 4D3 AR
7G AGN
NR 015 CK 22 35 0510 1506 = (Repeats message) AR
A HR MSG GA
NR 005 CK 13 35 0510 1636 =
UT5 TAT 3U6 3A4 TTA TTU TT3 773 353 4AD 446 4D3 3DU AR
MSG AGN
NR 005 CK 13 35 0510 1636 = (Repeats message) AR
A HR MSG GA
NR 20 CK 140 35 0510 1650 =
UTU TAT 3U6 3A4 TTU 773 357 4TN 446 336 (Cont'd) AR
MSG AGN
NR 20 CK 140 35 0510 1650 = (Repeats message)
AR A HR UP SB WK

4364//8073 kHz, 10-05, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0389 CK 150 35 0510 1308 =
TAT 3U6 3AN 3U7 TAU 773 TA7 773 357 (Cont'd)

5700 kHz, 18-05, 0756 UTC, i.p.

V 7UG2 DE GMQM K
R QSA 2 K
R QSA 3 K (Both stations on this frequency)
R IEC = 1323 AR K (Normally associated with exercise)
R HR 7G K
R OK GA
R 7G NR 044/CCK CK 19 03 0518 1555 RMKS 7546 TO 7588 K
R OK GA
R = =
.5D 3TA7 .4N6 53D A7U4 6NT5 3D.A 4U53 (Cont'd) AR
R R QSL 155. K
R HR WK NR 1241 K
R NR .05 AR
R VA
R SK AR
V YQ1N DE GMQM K
R IEC = 1323 AR K
R 7G NR 045/CCK CK 1. 03 0518 15.. RMKS 7546 TO 7515 K
R RPT NR 045/CCK CK
= = 6N4A UD3. T76A 4N.. (Cont'd) AR
R HR WK NR 1241 K
R SK
V AA. DE GMQM K
V 4AE DE GMQM K
V VV VV .LFH DE GMQM K
R QSA 2 K (Other station also on this frequency but mostly unreadable)
R ICE = 1323 AR K
R 7G TO K
R 7G NR 048/CCK CK 19 03 0518 1615 RMKS 7546 TO 7522 K
R GA
R = 4T.7 U..3 6A4T 57NU 3... (Cont'd) AR
RPT
R HR WK NR 1241 K
R SK

4243 kHz, 23-05, 1147 UTC

VV HR MSG TO YR PSE CY

NR 041 CK 18 35 0523 1515 =

5TD UTT TU3 3U6 3A4 35U 4AA U7U N4A 447

3DU TTU TT3 773 447 46D 3D4 4D3 AR

MSG AGN

NR 041 CK 18 35 0523 1515 = (Repeats message) AR

A HR MSG GA

NR 46 CK 126 35 0523 1625 =

UTU TU3 3U6 3A4 TTU N44 TT3 773 35A N3D (Cont'd)

4364//8073 kHz, 23-05, 1136 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0413 CK 106 35 0523 1743 =

TU3 3U6 3AN 3U7 TAU 773 353 (Cont'd)

4243 kHz, 25-05, 1145 UTC

VV HR MSG TO YR PSE CY

NR 045 CK 20 35 0525 1530 =

5TD UTT TU5 3U6 3A4 353 N3D 35U 36T 4TD

U7U N4A 444 3DA TTU TT3 773 435 3DU 4D4 AR

MSG AGN

NR 045 CK 20 35 0525 1530 = (Repeats message) AR

A HR MSG GA

NR 050 CK 15 35 0525 1642 =

UT5 TU5 3U6 3A4 TTA TTU TT3 773 353 N3D

35U 4AD 446 4D3 3DU AR

MSG AGN

NR 050 CK 15 35 0525 1642 = (Repeats message) AR

A HR MSG GA

NR 50 CK 097 35 0525 1712 =

UTU TU5 3U6 3A4 TTU N4. TT3 773 357 4TN (Cont'd)

UM10 - 10-minutes net

5755 kHz, 02-05, 0748 UTC NTQN

6810 kHz, 03-05, 0725 UTC 7NPA //7368 kHz (new freq and callsign)

6825 kHz, 03-05, 0730 UTC L4BN (new frequency and callsign)

4129 kHz, 10-05, 1122 UTC HSN5 (new callsign and frequency)

3720 kHz, 10-05, 1127 UTC NJ6A

4129 kHz, 14-05, 1825 UTC HSN5

6825 kHz, 17-05, 0752 UTC L4BN

3350 kHz, 17-05, 1248 UTC HSN5 //4129 kHz

HM01 - Dirección General de Inteligencia

A nice log from Chris: **6165 kHz, 20-05, 0502 UTC**

Radio Habana Cuba's English service got cut off after 2 minutes and was replaced by HM01.

HM01 RDFT file log by MDK2 - Updated 31 May 2018

Date (DDMMYYYY): Numbers: File name or repeat: Frequency (kHz) and time(UTC):

01/05/2018	84871	14188487.txt *	11435 1600
	64914	80776491.txt *	
	32032	06513203.txt *	
	11348	77521134.txt *	
	03537	14350353.txt *	
	43008	24464300.txt *	

* First transmitted in April 2018. None of these are new as of 01 MAY.

02/05/2018	84872	repeat	11435 1600
	64915	repeat	
	32033	repeat	
	11349	repeat	
	03538	repeat	
	43009	repeat	

03/05/2018	84873	repeat	17480 2200
	64916	repeat	
	32034	repeat	
	46331	36444633.f1g	
	03539	repeat	
	60521	36336052.f1g	

04/05/2018	84874	repeat	11435 1600
	64917	repeat	
	32035	repeat	
	46331	repeat	
	03361	50230336.f1c	
	60521	repeat	

05/05/2018	84875	repeat	11435 1600
	64918	repeat	
	32036	repeat	
	46332	repeat	
	03361	repeat	
	60522	repeat	

06/05/2018	84876	repeat	11435 1600
	64919	repeat	
	32037	repeat	
	46333	repeat	
	03362	repeat	
	60523	repeat	

07/05/2018	84877	repeat	11435 1600
	75571	36267557.f1g	
	32038	repeat	
	46334	repeat	
	03363	repeat	
	60524	repeat	

08/05/2018	84878	repeat	11435 1600
	75571	repeat	
	15431	23501543.txt	
	46335	repeat	
	03364	repeat	
	60525	repeat	

09/05/2018	84879	repeat	11435 1600
	75572	repeat	
	15431	repeat	
	46336	repeat	
	03365	repeat	
	60526	repeat	

10/05/2018	07221	81220722.txt	17480 2200
	75573	repeat	
	15432	repeat	
	46337	repeat	
	03366	repeat	
	60527	repeat	

Except for the new number group 0722#, all the groups advanced the final digit +2 rather than +1 today.

11/05/2018	07221	repeat	11435 1600
	75574	repeat	
	15433	repeat	
	46338	repeat	
	03367	repeat	
	60528	repeat	

12/05/2018	07222	repeat	11435 1600
	75575	repeat	
	15434	repeat	
	43621	30514362.txt	
	03368	repeat	
	60529	repeat	

13/05/2018	07223	repeat	11435 1600
	75576	repeat	
	15435	repeat	
	43621	repeat	
	03369	repeat	
	85741	24368574.txt	

14/05/2018	07224	repeat	11435 1600
	75577	repeat	
	15436	repeat	
	43622	repeat	
	37621	48013762.txt	
	85741	repeat	

15/05/2018	07225	repeat	11435 1600
	38351	80783835.txt	
	15437	repeat	
	43623	repeat	
	37621	repeat	
	85742	repeat	

16/05/2018	07226	repeat	11435 1600
	38351	repeat	
	15438	repeat	
	43624	repeat	
	37622	repeat	
	85743	repeat	

17/05/2018	07227	repeat	17480 2200
	38352	repeat	
	58431	50455843.f1c	
	43625	repeat	
	37623	repeat	
	85744	repeat	

18/05/2018	31031	38463103.txt	11530 1700
	38353	repeat	
	58431	repeat	
	43626	repeat	
	37624	repeat	
	85745	repeat	

19/05/2018	31031	repeat	11435 1600
	38354	repeat	
	58432	repeat	
	43627	repeat	
	37625	repeat	
	85746	repeat	

20/05/2018	31032	repeat	11530 1700
	38355	repeat	
	58433	repeat	
	04061	60230406.txt	
	37626	repeat	
	85747	repeat	

21/05/2018	31033	repeat	11435 1600
	94630	85769463.txt	
	58434	repeat	
	04061	repeat	
	37627	repeat	
	22181	15132218.txt	

Two notable things today. One, a number group that had only preceded to a final digit of 5 was replaced by a new number group, one with the rare ending of 0 rather than 1. Second, file 15132218.txt APPEARS TO BE UNENCRYPTED, but in Chinese.

22/05/2018	31034	repeat	11435 1600
	94631	repeat	
	58435	repeat	
	04062	repeat	
	37628	repeat	
	22181	repeat	

23/05/2018	31035	repeat	11435 1600
	94632	repeat	
	58436	repeat	
	04063	repeat	
	37629	repeat	
	22182	repeat	

24/05/2018	31036	repeat	17480 2200
	94633	repeat	
	58437	repeat	
	04064	repeat	
	32811	12163281.txt	
	22183	repeat	

25/05/2018	31037	repeat	11435 1600
	94634	repeat	
	58438	repeat	
	04065	repeat	
	32811	repeat	
	22184	repeat	

26/05/2018	31038	repeat	11435 1600
	94635	repeat	
	58439	repeat	
	04066	repeat	
	32812	repeat	
	22185	repeat	

27/05/2018	74051	31247405.txt	11435 1600
	94636	repeat	
	08681	81530868.txt	
	04067	repeat	
	32813	repeat	
	22186	repeat	

NOTE: both new files appear to be in Chinese and unencrypted, as was the case with 15132218.txt (first sent on May 21).

28/05/2018	74051	repeat	11435 1600
	94637	repeat	
	08681	repeat	
	04068	repeat	
	32814	repeat	
	22187	repeat	

29/05/2018	74052	repeat	11435 1600
	13061	50421306.f1c	
	08682	repeat	
	87581	36738758.f1g	
	32815	repeat	
	57441	24405744.txt	

Three new number sets and files today. 24405744.txt appears to be in unencrypted Chinese, like some other .txt files sent earlier in the month.

30/05/2018	74053	repeat	11435 1600
	13061	repeat	
	08683	repeat	
	87581	repeat	
	32816	repeat	
	37441	repeat	

31/05/2018	74054	repeat	11530 1700
	13062	repeat	
	08684	repeat	
	87582	repeat	
	32817	repeat	
	37442	repeat	

All May RDFT files have been logged, all copies of received files are online and may be viewed or downloaded here:
<https://www.dropbox.com/sh/kk9w605n4rsnvj4/AACViApoCLDcpB8avyswy6a8a?dl=0>

HM01 RDFT file reference

Sort by file name

File Name:	Number	Date first transmitted	File Name:	Number	Date first transmitted
group: (DDMMYYYY):			group: (DDMMYYYY):		
06513203.txt	3203#	29/04/2018 *	36738758.f1g	8758#	29/05/2018
12163281.txt	3281#	24/05/2018	38463103.txt	3103#	18/05/2018
14188487.txt	8487#	30/04/2018 *	48013762.txt	3762#	14/05/2018
14350353.txt	0353#	24/04/2018 *	50230336.f1c	0336#	04/05/2018
15132218.txt	2218#	21/05/2018	50421306.f1c	1306#	29/05/2018
23501543.txt	1543#	08/05/2018	50455843.f1c	5843#	17/05/2018
24368574.txt	8574#	13/05/2018	60230406.txt	0406#	20/05/2018
24405744.txt	5744#	29/05/2018	77521134.txt	1134#	23/04/2018 *
24464300.txt	4300#	23/04/2018 *	80776491.txt	6491#	28/04/2018 *
30514362.txt	4362#	12/05/2018	80783835.txt	3835#	15/05/2018
31247405.txt	7405#	27/05/2018	81220722.txt	0722#	10/05/2018
36267557.f1g	7557#	07/05/2018	81530868.txt	0868#	27/05/2018
36336052.f1g	6052#	03/05/2018	85769463.txt	9463#	21/05/2018
36444633.f1g	4366#	03/05/2018			

Sort by Date

Date	File name or	Numbers:	Date	File name or	Numbers:
(DDMMYYYY): repeat:			(DDMMYYYY): repeat:		
23/04/2018	77521134.txt	1134# *	14/05/2018	48013762.txt	3762#
23/04/2018	24464300.txt	4300# *	15/05/2018	80783835.txt	3835#
24/04/2018	14350353.txt	0353# *	17/05/2018	50455843.f1c	5843#
28/04/2018	80776491.txt	6491# *	18/05/2018	38463103.txt	3103#
29/04/2018	06513203.txt	3203# *	20/05/2018	60230406.txt	0406#
30/04/2018	14188487.txt	8487# *	21/05/2018	85769463.txt	9463#
03/05/2018	36444633.f1g	4633#	21/05/2018	15132218.txt	2218#
03/05/2018	36336052.f1g	6052#	24/05/2018	12163281.txt	3281#
04/05/2018	50230336.f1c	0336#	27/05/2018	31247405.txt	7405#
07/05/2018	36267557.f1g	7557#	27/05/2018	81530868.txt	0868#
08/05/2018	23501543.txt	1543#	29/05/2018	50421306.f1c	1306#
10/05/2018	81220722.txt	0722#	29/05/2018	36738758.f1g	8758#
12/05/2018	30514362.txt	4362#	29/05/2018	24405744.txt	5744#
13/05/2018	24368574.txt	8574#			

Sort by number group

Number	File name:	Date:	Number	File name:	Date:
group:			group:		
0336#	50230336.f1c	04/05/2018	4300#	24464300.txt	23/04/2018 *
0353#	14350353.txt	24/04/2018 *	4362#	30514362.txt	12/05/2018
0406#	60230406.txt	20/05/2018	4633#	36444633.f1g	03/05/2018
0722#	81220722.txt	10/05/2018	5744#	24405744.txt	29/05/2018
0868#	81530868.txt	27/05/2018	5843#	50455843.f1c	07/05/2018
1134#	77521134.txt	23/04/2018 *	6052#	36336052.f1g	03/05/2018
1306#	50421306.f1c	29/05/2018	6491#	80776491.txt	28/04/2018 *
1543#	23501543.txt	08/05/2018	7405#	31247405.txt	27/05/2018
2218#	15132218.txt	21/05/2018	7557#	36267557.f1g	07/05/2018
3103#	38463103.txt	18/05/2018	8487#	14188487.txt	30/04/2018 *
3203#	06513203.txt	29/04/2018 *	8574#	24368574.txt	13/05/2018
3281#	12163281.txt	24/05/2018	8758#	36738758.f1g	29/05/2018
3762#	48013762.txt	14/05/2018	9463#	85769463.txt	21/05/2018
3835#	80783835.txt	15/05/2018			

* These files were first transmitted in April 2018. To access, please visit:
<https://www.dropbox.com/sh/428cuj8zsv4r0f5/AABIX2u72eJ32Sfl5VwOgiv7a?dl=0>

F01, F06, F06a, M42, M42a, M42b & X06

Russian Government & Intelligence



F01 – FSK 200/500

14363/12189/10346 kHz, 02-05, 1840/1850/1900 UTC

Null message: J576 100000+++++++162

F06 – FSK 200/1000

Link 00052

17488/15623/12226 kHz, 01-05, 1500/1510/1520 UTC

11166 00052 59873 01046 00049 00000 00000 00000

17488/15623/12226 kHz, 08-05, 1500/1510/1520 UTC

11166 00052 69172 08057 00049 00000 00000 00000

17488/15823/13459 kHz, 09-05/10-05, 0800/0810/0820 UTC

11166 00052 17543 08028 01889

18900 06118 46866 22078 29627 64803 60404 40426 41009 56285
05392 97356 89611 01016 71678 11588 55982 19444 76208 03387
12149 51268 84301 44316 39771 09852 22690 80914 59259 25810
93718 65877 64508 47585 52849 53169 87026 40587 24101 35161
61836 54018 10067 70347 09322 78129 13663 56189 46040 91646
03709 49026 21157 05739 82559 35828 46376 98487 78025 35572
52447 18389 88837 63219 31273 69569 67549 48005 27466 64237
72453 39450 01766 51542 63276 55109 16192 51460 99187 24335
72778 00593 67196 71746 80017 50902 46000 23773 83976 38336
44798 84919 92498 10756 71917 70235 25105 37965 65733 38281
28901 69427 77085 51224 88935 66566 64364 80991 59555 69006
49172 82561 36188 39312 80921 07694 39087 82422 42914 53332
68247 43572 83174 75847 18063 09675 15968 29393 95814 76513
06309 63891 47844 21174 24876 55298 89219 67738 77262 84791
01276 34318 93332 00948 43927 87390 78224 65557 07347 50576
28332 26215 51773 54074 38161 61116 35115 22432 07675 98657
88606 83152 11420 36317 08524 41837 54189 10388 54744 39400
04745 44818 13927 26840 12932 61407 58690 25019 75602 17812
86291 88186 70391 39759 63566 84422 28186 00000

17488/15623/12226 kHz, 15-05, 1500/1510/1520 UTC

11166 00052 59873 15894 00049 00000 00000

17488/15623/12226 kHz, 22-05, 1500/1510/1520 UTC

11166 00052 45678 22088 00049 00000 00000 00000

17488/15823/13459 kHz, 23-05/24-05, 0800/0810/0820 UTC

11166 00052 17543 08028 01889

18900 06118 46866 22078 29627 64803 60404 40426 41009 56285
05392 97356 89611 01016 71678 11588 55982 19444 76208 03387
12149 51268 84301 44316 39771 09852 22690 80914 59259 25810
93718 65877 64508 47585 52849 53169 87026 40587 24101 35161
61836 54018 10067 70347 09322 78129 13663 56189 46040 91646
03709 49026 21157 05739 82559 35828 46376 98487 78025 35572
52447 18389 88837 63219 31273 69569 67549 48005 27466 64237
72453 39450 01766 51542 63276 55109 16192 51460 99187 24335
72778 00593 67196 71746 80017 50902 46000 23773 83976 38336
44798 84919 92498 10756 71917 70235 25105 37965 65733 38281
28901 69427 77085 51224 88935 66566 64364 80991 59555 69006
49172 82561 36188 39312 80921 07694 39087 82422 42914 53332
68247 43572 83174 75847 18063 09675 15968 29393 95814 76513
06309 63891 47844 21174 24876 55298 89219 67738 77262 84791
01276 34318 93332 00948 43927 87390 78224 65557 07347 50576
28332 26215 51773 54074 38161 61116 35115 22432 07675 98657
88606 83152 11420 36317 08524 41837 54189 10388 54744 39400
04745 44818 13927 26840 12932 61407 58690 25019 75602 17812
86291 88186 70391 39759 63566 84422 28186 00000

17488/15623/12226 kHz, 29-05, 1500/1510/1520 UTC

11166 00052 74561 29009 00049 00000 00000 00000 00000

Link 10031

14638/12156/10164 kHz, 09-05, 0915/0925/0935 UTC

11166 10031 91735 09001 00049 00000 00000 00000 00000

14638/12156/10164 kHz, 23-05, 0915/0925/0935 UTC

11166 10031 13579 23001 00049 00000 00000 00000 00000

Link 10053

19214/17419/14443 kHz, 01-05, 1650/1700/1710 UTC

11166 10053 17935 01001 00049 00000 00000 00000 00000

19323/17536/14356 kHz, 06-05, 1530/1540/1550 UTC

11166 10053 24680 06063 00049 00000 00000 00000 00000

19214/17419/14443 kHz, 08-05, 1650/1700/1710 UTC

11166 10053 13579 08001 00049 00000 00000 00000 00000

19323/17536/14356 kHz, 13-05, 1530/1540/1550 UTC

11166 10053 17935 13063 00049 00000 00000 00000 00000

19214/17419/14443 kHz, 15-05, 1650/1700/1710 UTC

11166 10053 96725 15067 01749
94446 64599 32365 47395 49637 32979 10463 22879 23559 92912
13202 72504 63480 89151 41624 48276 54414 73584 42846 93717
87960 54701 84692 40981 61847 03967 86839 54262 61240 03408
56062 72924 72427 88602 03146 94467 82902 21201 22577 28550
99608 04122 47876 58008 21622 69464 05251 22303 82235 64035
65506 09466 02932 43799 92470 96707 70009 21576 13769 25218
54135 18613 65078 19096 66910 99809 92233 42045 94021 28382
93034 67652 67779 25959 63411 53895 68657 44034 52418 72497
38810 74726 86750 60256 91878 19555 86193 17281 02043 10197
09220 91570 59534 80430 64420 26376 71401 18355 98984 90429
49842 20106 56746 64858 24840 21206 52213 46729 39961 97298
49994 47047 15266 58786 61804 69170 15903 01776 16895 04592
77807 66147 55963 11849 32666 64414 03675 46510 28809 69116
50810 80340 04439 82863 14673 13547 07506 87437 81975 22811
33504 64350 44301 90219 14755 69942 85484 11359 58216 54357
67018 09482 16605 04106 72228 20082 42003 94750 12622 85040
70714 78640 91731 04527 44072 89913 59003 79599 67587 36816
93528 45156 67172 00000

19323/17536/14356 kHz, 20-05/21-05, 1530/1540/1550 UTC

11166 10053 36987 16063 01609
72742 93842 29400 54585 52566 41528 71295 28521 89282 70007
31166 32671 72818 37399 18324 41749 63465 25229 00831 76731
28094 87946 29161 51607 47376 51126 81916 35423 57715 25297
58333 75305 06612 44681 24370 53663 23445 30526 82267 76918
73418 48889 08045 47108 66190 09887 48480 52054 52884 94601
20392 55993 10516 01825 44968 09919 83208 83887 57909 98300
37279 42060 92140 78712 58074 53679 71860 31909 57070 19164
29187 07392 12549 17459 33741 05332 66697 88267 88554 66259
10285 00248 31550 45548 72533 59880 21291 22592 62833 28609
88642 18273 13110 37084 24689 89034 40270 96525 25524 86095
72473 96289 73915 75525 94034 44742 67626 31221 82707 70374
12872 35116 35840 08884 61993 84269 88033 72027 99279 45870
27952 81315 25509 55724 03564 62205 97894 01001 51204 46539
65747 38476 56240 43223 23543 68223 16186 67571 75938 53978
52232 82338 08767 64389 76213 19445 07779 44803 51277 92407
51628 31238 16680 65957 44365 75445 20740 11748 63158 00000

19214/17419/14443 kHz, 22-05, 1650/1700/1710 UTC

11166 10053 36987 22001 00049 00000 00000 00000 00000

19214/17419/14443 kHz, 29-05, 1650/1700/1710 UTC

11166 10053 13579 29001 00049 00000 00000 00000 00000

Link 40122

15673/13361 kHz, 02-05/03-05, 0610/0620 UTC

11166 40122 64821 28071 03359
44961 37594 36315 09389 05527 32177 80779 53427 54117 16228
02142 43791 13825 04897 49556 68313 09149 22312 26850 37029
19722 88980 23256 04574 36093 19440 95413 48946 97245 28596
92827 67538 14538 70192 43965 76405 11765 55853 45198 23679
36013 28118 19749 53092 19009 85927 38858 78532 93641 85982
22335 55569 95344 68423 60697 60887 03039 80259 26079 15580
99297 94993 64092 13209 54458 51871 83836 38605 64326 63202
88240 88317 96195 63181 11919 28667 22846 96649 58745 52326
49228 71238 56308 19384 61500 21329 69456 93809 53122 57265
40115 11274 07688 98254 45551 39243 43177 12404 92292 15311

47332 12320 87872 74676 58822 79708 57595 02730 73908 17422
98513 73666 83270 52382 87790 61078 68713 37822 87656 31454
14411 28276 14121 56524 12393 25768 61655 05397 66961 20626
01011 02410 27712 75360 92373 61649 05865 25049 81033 34057
53579 92665 67768 28087 10941 42782 71117 89818 50321 22089
23731 53493 72778 60175 70007 98388 36204 28988 57167 72984
19890 84435 36981 72350 55210 38542 20334 79691 77105 35617
51800 07989 76056 30865 96430 02687 55225 94865 55932 91336
22473 92379 56429 91167 71915 08907 75000 10488 34724 23429
97162 04886 03855 50792 22505 74144 62382 02145 60659 10822
70139 36890 84777 36426 88348 04567 34732 86123 46923 00126
87194 27924 84132 81006 34810 27276 13323 19479 41635 93004
96369 88668 67029 65539 28562 05720 75198 33364 64597 80513
72564 88624 40373 43404 40157 57834 70278 50379 53215 68621
24644 89116 05175 38436 17074 34344 78246 96182 56314 25961
27761 72685 42367 68347 72469 20951 11528 74302 07988 52147
60036 02054 85578 98240 01029 58761 23445 37239 34479 68974
42739 41963 34811 31454 45458 38290 85883 12829 76423 83811
18016 51485 36540 02838 26757 70166 39495 38686 78081 20690
29113 09192 29693 09233 99542 76378 23138 75626 85459 66231
26397 25085 14473 99497 31661 35818 38938 19465 37964 90959
89339 27650 73368 08247 16447 63332 36394 65892 14432 87872
61365 48091 42126 59758 37373 58582 84611 11307 35546 75723
22329 62961 24293 71333 00000

17420/15673/13361 kHz, 09-05/10-05, 0600/0610/0620 UTC

11166 40122 75391 05072 03039
55422 90884 89634 19983 26815 21904 54352 88445 77376 35395
22379 17296 94409 30441 77009 37338 78578 18645 92631 77419
33674 91695 66336 91236 44369 28882 49237 82672 46643 67988
94680 15597 20576 88000 65537 19094 60187 77067 67771 24022
00024 84159 02452 91868 03160 77847 53427 21822 42484 15902
45291 86803 16077 84753 42721 82240 31860 65452 81647 00714
79512 40691 52255 81391 83134 30441 59572 66383 22048 12662
73288 69799 22209 73291 97735 09392 61134 43744 84111 86718
49530 67074 70310 79416 91364 17105 70348 57056 06937 32508
38496 70547 23613 89255 25296 01003 63935 59895 67674 79025
85774 33070 80315 10336 54222 91741 40494 68680 49914 73528
83551 41977 43458 61624 51206 42602 90668 79708 59883 17795
28290 89307 81250 21076 74892 13028 52145 30660 66629 32111
56090 25760 82554 31737 43578 56751 39168 92526 83302 70115
58891 51661 61549 74107 42157 82084 71907 56085 97800 63191
62507 87433 11432 41472 32960 77025 56493 04527 98195 59156
77677 16901 61381 26886 01390 91170 63111 46729 52960 92722
99049 15635 85269 01666 23220 46183 48498 80297 79130 90944
55668 19592 25912 41937 23682 63110 51668 66117 94528 31807
91217 62847 66355 98139 90418 54266 89094 82938 84264 44515
04328 73471 80934 08744 34067 86125 68990 97841 48160 22171
89903 69826 64992 90011 43104 83832 65177 92394 15734 17636
22920 01986 54296 94648 84749 73763 20389 31325 50296 67675
97699 40917 34811 79974 42472 54508 18112 06692 94601 45281
09637 87670 91569 66936 84305 04612 40058 27840 41677 61557
73987 87330 53474 32240 05827 84041 67761 55773 98787 33053
47432 95075 39391 53306 18764 21498 17488 59556 58048 04072
91103 81263 84235 70829 41780 08043 29952 82625 37433 72718
00499 46898 94924 32904 25531 94814 59518 37068 33102 70229
43426 85997 00755 03896 90624 25614 63350 71368 60119 32079
82328 72301 00000

11166 40122 30784 05073 02359
27144 57574 58655 68771 68326 63036 06658 27012 24390 36334
81296 57257 42427 68273 88327 21955 78000 28338 08550 66976
44817 81828 27222 87432 37556 72711 92085 36558 70015 83137
54691 51090 95787 05556 74719 91601 03637 88358 91961 21198
04777 41006 95683 71044 54226 09554 46027 66137 73429 58536
27151 09774 66345 20123 36806 50146 46174 96512 42010 77501
14911 26476 55537 25310 62932 52000 12885 73872 80775 45968
54425 79803 00325 86813 42411 79839 07569 91079 67542 42387
94134 39828 24759 65277 39779 59839 62974 43141 43017 45526
38407 52850 42092 32513 26223 30467 93458 58810 70163 38128
99975 74526 74848 44320 05993 86050 70443 65954 01517 45648
04375 45711 02656 22397 39788 63064 00507 15419 65431 02442
95700 95325 46643 26950 60775 84829 72155 31100 97559 14450
76375 70980 81780 14253 41842 95300 12050 27572 11554 25765
05442 57623 65838 60179 06839 82988 43467 96773 04228 02865
11693 03133 67153 98046 14900 78204 50489 18570 56557 80811
30741 33945 94155 23098 67047 06935 51830 52363 04082 76793
80330 69706 59030 62931 19060 58924 59846 24911 39836 24109
26957 39743 77089 59361 15613 82388 74171 99082 61075 20441
00459 22264 93819 58887 18951 09217 16945 95916 09047 74186
62982 75696 74173 22279 72278 49058 88977 04142 60153 78035
65747 66835 65019 45182 44764 24339 94632 53613 38264 96115
12688 28712 82705 87183 32926 57427 79020 08133 12957 26111
25542 58512 64962 73233 00000

17420/15673/13361 kHz, 23-05, 0600/0610/0620 UTC

15673/13361 kHz, 24-05, 0610/0620 UTC

11166 40122 75392 19074 03799
60740 46393 93690 82502 98945 21897 59524 82826 04289 07005
75732 10873 47815 82394 48031 81820 13385 82296 97150 22238
23481 42236 91320 01290 38928 16415 26911 02645 62234 13149
99390 48061 99229 21820 31816 08557 58695 29763 53022 64124
94664 52533 42710 97908 21092 25987 85613 35809 53568 33625
01942 67411 57779 67617 46268 09219 09384 46961 92076 96102
95012 41209 44130 11908 09061 73191 45860 95159 25973 99192
73968 80810 52705 89994 37421 63947 91041 61242 23017 96423
64477 26566 54739 52325 89320 71889 59053 23233 94738 74367
53354 29201 21405 14394 99743 56396 53453 54110 91327 57338
63413 80858 63221 74669 74832 39006 45449 74406 72251 98598
99925 99588 13237 34253 08706 80289 22145 12756 05691 60899
70322 12780 68983 30639 72406 25171 16073 68234 53440 07239
69036 36681 66461 89492 81948 89048 65283 58247 47692 71264
62121 62554 26339 32792 24787 18880 62314 81173 93107 11983
82503 41344 19277 15410 92516 05679 61822 80070 13273 85691
87866 64303 25117 01340 63378 03893 11633 68858 36105 45460
20356 73065 40863 91671 82566 35085 81879 31705 59353 11412
71871 55396 06133 85260 32557 74531 72817 36142 86271 99687
81808 98598 93389 46093 51012 46030 15234 66917 54069 60569
07160 37448 34964 74913 71502 38576 19230 97079 25077 13047
88919 53998 60915 92887 13528 14900 08930 21478 54064 80416
25185 18677 82458 48349 64481 62458 83478 92028 15915 85488
31364 12217 06120 10078 58347 48476 99875 69954 57265 60950
52757 92288 85426 18493 95530 38408 61951 54080 54974 26648
75747 73450 40806 85755 46315 27900 53422 12313 04582 87173
92115 30589 85935 73398 68472 78278 52654 41984 54633 66555
87918 04362 11098 78742 85974 10144 38206 99742 89802 81788
50829 95027 26672 67567 81916 37067 47818 17707 03098 36324
17040 58680 33473 72658 05179 52733 75149 60427 53418 02294
72382 31917 27522 08374 41320 73134 34698 42460 66992 96641
25026 41352 14618 85647 49402 84056 52092 93713 95740 60438

30495 34566 75374 90754 19290 46279 81533 05646 43565 64247
91816 45677 19654 87374 36375 90159 36434 71720 03913 74361
78952 36163 07179 04559 41238 14190 79934 30351 25427 36568
27224 83591 73638 78850 00884 43233 29999 58444 22013 35550
79239 15381 22577 29140 59016 61280 27598 33979 92679 30861
50241 63904 39482 20342 21393 72044 09037 43770 00000

Link 40133

18751/16174/14563 kHz, 05-05, 2100/2110/2120 UTC

11166 40133 13579 05001 00049 00000 00000 00000 00000

18751/16174/14563 kHz, 12-05, 2100/2110/2120 UTC

11166 40133 56248 12001 00049 00000 00000 00000 00000

18751/16174/14563 kHz, 19-05, 2100/2110/2120 UTC

11166 40133 15987 19038 00049 00000 00000 00000 00000

18751/16174/14563 kHz, 26-05, 2100/2110/2120 UTC

11166 40133 13579 26001 00049 00000 00000 00000 00000

Link 50046

13598/11524/9479 kHz, 05-05, 1100/1110/1120 UTC

11166 50046 36987 04037 00789

38939 49071 92913 40530 95006 33686 57106 63673 33154 90167
70912 82228 62450 59645 85815 20627 82105 19743 12434 51369
35158 44816 64101 61440 41905 93116 89694 81030 22061 45113
20994 98934 54047 96987 90288 67116 68438 81688 04964 79300
16452 82300 27969 85077 54056 01159 46095 02231 04257 68064
70511 80085 17425 77853 74095 17351 70334 81019 73477 95791
60719 67863 86480 59051 20290 95256 65131 53643 93846 25679
92906 70435 72985 32205 64700 93870 37076 00000

13598/11524/9479 kHz, 12-05/13-05, 1100/1110/1120 UTC

11166 50046 91732 11038 01029

17839 99088 92913 40530 74906 83693 57106 63673 12054 40174
70912 82228 98807 82198 90796 01246 63958 70695 94021 51318
68454 73331 50330 21185 01517 45436 50270 99989 65051 91362
22396 30520 07883 78997 14686 38668 32399 45985 07157 26864
40644 31205 53310 89283 54992 83446 42478 08934 11444 95924
72423 94700 75299 80981 84369 42755 11471 83474 74732 89664
75617 14544 78065 07435 63090 24455 03358 29976 16000 87679
69743 41420 33573 78158 01836 34937 69307 97097 59308 03094
15307 34066 79482 54544 86194 02300 29523 90761 46628 70413
66524 62393 38431 04305 52566 69392 03891 74800 77418 63241
38100 00000

13598/11524/9479 kHz, 19-05/20-05, 1100/1110/1120 UTC

11166 50046 42791 18039 01249

51079 79085 92913 40530 18146 63690 57106 63673 56294 20171
70912 82228 82857 97011 95384 13348 29397 48160 76858 60381
35730 85563 25346 74315 56116 04592 03256 92043 23918 37493
44041 72443 10026 27274 87935 15192 85521 66559 18184 75808
15391 96525 36515 03437 50838 91047 80804 57190 33896 00585
26271 38230 21550 45146 22916 66766 34474 60077 26422 15877
88691 03024 44323 18376 48721 72809 52270 75828 36742 66934
97179 09367 17872 48541 02435 76898 14920 40921 34382 31821
28688 98451 62595 42105 22417 18904 33005 26784 38015 60389
46143 40488 78584 21142 43239 52370 23802 54765 59113 06271

29156 66965 67136 33647 50702 65896 20249 24283 03319 30857
55206 74089 84020 13712 50699 16476 96068 82260 05718 18555
88500 03132 39122 00000

Link 60070

10548/9144/7978 kHz, 15-05, 0030/0040/0050 UTC

11166 60070 60070 15012 00049 00000 00000 00000 00000

10548/9144/7978 kHz, 22-05, 0030/0040/0050 UTC

60070 35297 22074 00049 00000 00000 00000 00000

Link 70004

17426/15818/13396 kHz, 12-05/13-05, 0900/0910/0920 UTC

11166 70004 39875 11007 00679

73581 74653 49627 66810 50582 38493 18134 38242 12634 93454
43115 26487 49030 58490 00776 95809 10975 09650 29517 72999
44495 46974 09090 48358 48105 14056 18322 48668 55737 57558
38161 94194 15647 51435 97850 55253 65514 54667 52415 71691
27795 16054 34152 16665 89852 12014 88159 20992 35820 16075
10738 72980 29930 08351 85547 70269 85751 31258 09703 42743
35951 40797 64882 27523 46628 07065 00000

17426/15818/13396 kHz, 27-05, 0900/0910/0920 UTC

11166 70004 39875 11007 00679

73581 74653 49627 66810 50582 38493 18134 38242 12634 93454
43115 26487 49030 58490 00776 95809 10975 09650 29517 72999
44495 46974 09090 48358 48105 14056 18322 48668 55737 57558
38161 94194 15647 51435 97850 55253 65514 54667 52415 71691
27795 16054 34152 16665 89852 12014 88159 20992 35820 16075
10738 72980 29930 08351 85547 70269 85751 31258 09703 42743
35951 40797 64882 27523 46628 07065 00000

Link 70048

14694/12223/10163 kHz, 02-05, 0800/0810/0820 UTC

11166 70048 96752 02083 00059 00000 00000 00000 00000

14694/12223/10163 kHz, 09-05, 0800/0810/0820 UTC

11166 70048 84153 09034 00049 00000 00000 00000 00000

14694/12223/10163 kHz, 16-05, 0800/0810/0820 UTC

11166 70048 82653 16038 00049 00000 00000 00000 00000

14694/12223/10163 kHz, 23-05, 0800/0810/0820 UTC

11166 70048 74829 23062 00049 00000 00000 00000 00000

Link 70059

11414/10169/8169 kHz, 07-05, 0400/0410/0420 UTC

11166 70059 13579 07020 00049 00000 00000 00000 00000

11414/10169/8169 kHz, 21-05, 0400/0410/0420 UTC

11166 70059 45789 21014 00049 00000 00000 00000 00000

Link 70147

11645/9494/7655 kHz, 12-05/13-05, 0800/0810/0820 UTC

11166 70147 76513 11081 00829
64665 43197 97688 58128 40231 23974 80480 94306 56025 17305
85744 84902 30221 50626 75620 75404 20729 65140 79828 43622
91690 13068 87044 53539 53263 93777 98001 35151 82658 45451
19256 94950 29200 97457 14141 82448 21439 10402 01401 15391
09086 82101 44516 25444 02149 51860 38796 10043 74657 31994
24569 10037 88368 36043 10255 39102 16404 35528 11214 77607
90360 69641 62748 53519 26354 83749 52624 57772 64986 42104
47037 71007 57824 02084 02353 02694 83085 37038 40311 96848
10800 00000

11645/9494/7655 kHz, 27-05, 0800/0810/0820 UTC

11166 70147 92573 24082 00789
52705 03100 97687 58128 38371 83987 80489 94306 44165 77318
85743 84902 46283 93151 39304 30464 65719 30515 79440 57263
27290 54780 66312 13990 73296 82311 20980 47058 85209 25295
46048 70296 45496 41573 55704 47807 70670 23299 59242 22660
98960 31667 51228 14603 16204 11744 27575 89048 35563 21522
03924 59930 66355 85343 15792 22662 04466 68135 67720 80531
11176 22012 52025 87706 11961 88924 36804 14993 92120 14581
73613 27082 47436 68421 35377 20182 82076 00000

Link 80214

16328/14358/11146 kHz, 03-05, 1330/1340/1350 UTC

11166 80214 58931 03056 00049 00000 00000 00000 00000

16328/14358/11146 kHz, 10-05, 1330/1340/1350 UTC

11166 80214 58931 10084 00049 00000 00000 00000 00000

16328/14358/11146 kHz, 17-05, 1330/1340/1350 UTC

11166 80214 82465 17063 00049 00000 00000 00000 00000

16328/14358/11146 kHz, 24-05, 1330/1340/1350 UTC

11166 80214 82465 24075 00049 00000 00000 00000 00000

16328/14358/11146 kHz, 31-05, 1330/1340/1350 UTC

11166 80214 83156 31053 00049 00000 00000 00000 00000

X06 - Mazielka

17139 kHz, 08-05, 1025 UTC

Mazielka-like signal. Space between tones: 200Hz

Either an error or another station

Logs:

Code	Freq	Date	UTC	Day	Sequence
------	------	------	-----	-----	----------

X06	12055	5-5	1420	Sat	Mazielka. Sequence: 256134
X06	15828	5-5	1428	Sat	Mazielka. Sequence: 256134
X06	12055	5-5	1435	Sat	Mazielka. Sequence: 256134
X06	17463	5-5	1448	Sat	Mazielka. Sequence: 256134
X06	11093	5-5	1457	Sat	Mazielka. Sequence: 256134
X06	11093	5-5	1502	Sat	Mazielka. Sequence: 256134
X06	15828	5-5	1510	Sat	Mazielka. Sequence: 256134
X06b	17451	7-5	1316	Mon	Mazielka. Sequence: 666666 before M12. Ends at 1318z
X06b	5474	7-5	1746	Mon	Mazielka. Sequence: 116666. Ended at 1825z

Code	Freq	Date	UTC	Day	Sequence
X06b	17462	11-5	1750	Fri	Mazielka. Sequence: 111666 before XPA2
X06b	14538	15-5	1851	Tue	Mazielka. Sequence: 116611
X06b	17467	18-5	0624	Fri	Mazielka. Sequence: 111666 before XPA2
X06b	14538	20-5	1907	Sun	Mazielka. Sequence: 111666 before XPA2
X06b	14538	20-5	1913	Sun	Mazielka. Sequence: 251166 before XPA2
X06b	13538	22-5	1903	Tue	Mazielka. Sequence: 111666 before XPA2
X06b	14538	22-5	1903	Tue	Mazielka. Sequence: 111666 before XPA2
X06b	11541	23-5	0647	Wed	Mazielka. Sequence: 1111666 before XPA2
X06b	17462	25-5	1832	Fri	Mazielka. Sequence: 111666 before XPA2

XPA

10868/12168/13368 kHz, 02-05, 0600/0620/0640 UTC

355 355 355 000

06812 00001 00000 36257

10868/12168/13368 kHz, 07-05/09-05, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1

00464 00073 41560 91491 23193 25542 67353 06031 06959 56076

38228 64410 99976 12170 23037 60343 17114 77206 07579 02922

32163 45766 04368 30592 29607 01499 41544 57924 57929 84752

91642 50391 88778 10029 45717 90469 77600 74286 06412 18990

02164 03104 35589 91724 82221 74393 97659 45268 69093 93323

12837 82666 59706 44538 21639 60957 73899 15058 86002 72363

60626 85933 13203 29629 46478 93390 16771 91492 04457 18002

10171 73705 45664 70165 18687 07564

10868/12168/13368 kHz, 13-05, 0600/0620/0640 UTC

813 813 813 000

06232 00001 00000 33261

10868/12168/13368 kHz, 16-05, 0600/0620/0640 UTC

813 813 813 000

04664 00001 00000 36262

10868/12168/13368 kHz, 21-05/23-05, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1

09930 00059 25670 80582 61613 65837 06394 03388 95681 39116

93561 71047 65756 55817 12891 55458 94146 87078 64010 40878

60643 60014 87371 86269 15294 89396 68013 16937 81754 89801

77194 05196 86306 44826 05050 57689 03401 87357 98754 26492

12091 43347 34025 60306 80164 36778 75175 64910 15226 94330

76201 97559 40042 11197 24876 42300 76303 87294 84808 94771

82107 52544

XPA2

19667/18767/17467 kHz, 01-05, 0700/0720/0740 UTC

05702 00001 00000 35655

14538/13538/12138 kHz, 01-05/06-05, 2000/2020/2040 UTC

08953 00095 81062 82053 05910 26680 49348 31665 56602 00314
05924 21823 14224 90910 66895 75461 55060 37674 64172 77567
30761 92735 34055 86511 55492 21231 18521 78143 41420 99007
21417 95046 78244 92689 69909 99773 92291 89581 70902 39209
12110 50284 47324 75897 13632 44979 34080 70658 62433 76956
29453 59302 29064 02590 75141 82351 61765 70087 65571 50450
84464 31108 52008 89321 22686 19521 75382 50969 60411 76106
78785 78792 07979 21138 54779 92376 58036 02156 98951 57848
97844 94048 42851 15309 93516 60915 77252 56447 94967 72800
45934 11319 96809 86504 31405 50870 30424 40745

11541/13441/14941 kHz, 02-05, 0700/0720/0740 UC

01769 00001 00000 41257

19667/18767/17467 kHz, 04-05, 0700/0720/0740 UTC

05457 00001 00000 36662

17462/16114/14828 kHz, 04-05/05-05, 1900/1920/1940 UTC

00244 00075 65823 50332 52842 30530 68328 85088 33836 07043
38689 58253 02676 35598 42072 08629 65341 10240 00622 60258
68091 79779 69175 26601 28838 13319 88240 72738 03755 94512
01068 40028 63025 70653 13884 06607 17663 18268 78963 70604
99270 07822 93306 33352 45132 58330 24811 47633 07520 00698
03321 31349 73536 46703 37440 16188 76023 72068 80686 88898
99270 16025 29183 64115 18365 30408 62231 30035 96366 78526
20333 48874 62498 72352 06211 75283 35190 51637

11541/13441/14941 kHz, 07-05/09-05, 0700/0720/0740 UC

00355 00211 80555 46072 68045 97709 40399 85544 88729 77945
27408 69020 96705 72042 96535 57816 77831 57250 96726 20246
72851 85423 89813 72684 89342 11241 25203 75659 02229 66598
80260 99019 49914 56016 11013 60692 41102 11302 88610 44209
13246 22872 01577 56208 32384 59039 45839 64427 26547 92906
30959 15646 23877 92982 63400 72139 98871 03585 97937 44720
57586 59180 51014 23898 17220 91560 84912 07661 57466 69107
47904 08984 70970 18650 07310 62621 97084 71568 78705 73979
88599 63471 50018 49606 91431 26367 23022 59036 58409 50060
85275 66991 80102 57498 56985 27616 39909 20278 07817 20819
48379 85758 39183 96871 47069 77672 49902 67932 84612 13078
80756 27728 53482 44299 09846 18066 68915 27640 39991 65091
15907 23820 66172 30891 77941 92557 10378 75774 53621 52486
62248 24764 94163 27299 00026 67243 70645 39210 31632 03148
16240 08299 11500 12070 97714 72851 87204 08068 53985 76502
01550 30856 17555 28574 05470 24698 17614 94834 17758 94008
23275 51577 59314 07159 03997 24699 39042 64644 20099 47851
99076 25887 08876 36921 20112 44604 57856 96890 96621 30393
80069 08813 26634 73915 16273 35355 71071 91577 64736 77538
16119 21595 28654 03382 00682 50537 16009 59228 47211 75026
45110 00772 79584 31274 89993 30760 05766 63557 56906 20650
37214 70173 18413 50571

19667/18767/17467 kHz, 08-05/10-05, 0700/0720/0740 UTC

00139 00137 55835 65065 67097 61394 39998 14610 49175 75509
64290 07113 57986 04393 39518 76336 68099 17018 30921 21925
99151 74450 61621 69492 26902 34918 98345 15944 95199 04849
11318 99179 58801 17455 46161 32060 72432 89862 20177 55606
85799 11953 33446 70920 29531 08894 18660 40760 26691 40420
49320 57984 79883 78262 86869 66499 25635 58323 04399 45789
96907 43737 88441 80803 81188 27958 90233 18019 90029 42193
71446 51708 20089 01377 51373 70926 17318 06260 14543 77911
80420 85492 85118 38789 16659 74777 64671 86019 64870 77102
51520 32593 00779 43713 95361 41817 66996 84179 41520 33220
83874 98967 43215 73068 82395 11882 11348 68848 53011 87834
27273 18367 28562 35567 99390 13055 41317 33003 21383 02914
92496 80838 13377 80929 59360 06056 59264 70372 56385 91698
96435 58013 29978 94205 21925 65825 11740 43156 78091 02717

14538/13538/12138 kHz, 08-05, 2000/2020/2040 UTC

08720 00001 00000 34662

17462/16114/14828 kHz, 11-05, 1900/1920/1940 UTC

05395 00001 00000 35266

17462/16114/14828 kHz, 12-05, 1900/1920/1940 UTC

01674 00001 00000 36260

14538/13538/12138 kHz, 13-05, 2000/2020/2040 UTC

03194 00001 00000 33664

11541/13441/14941 kHz, 13-05, 0700/0720/0740 UC

07946 00001 00000 40663

14538/13538/12138 kHz, 15-05/20-05, 2000/2020/2040 UTC

08778 00113 13910 59975 45144 08146 45297 97672 11275 99549
35981 31630 53853 36156 86400 92382 97774 82878 07960 88674
29051 00366 01985 95832 72645 35422 20213 61869 74539 57245
63925 59033 49522 39137 27986 40894 66510 44956 37814 23188
31231 53813 78858 18149 08632 27060 45498 97526 25881 97138
80271 73252 20250 62857 67580 19542 65470 06585 67101 16592
80709 83454 60367 60952 57098 65373 59131 77963 31546 91815
17749 68229 56124 54255 48178 78932 66833 37216 93710 92198
43311 28167 05502 74506 60183 32151 56254 12043 15674 43022
70464 20823 84460 78828 86206 57872 56035 52510 08318 27678
45287 16275 67540 30565 35005 55804 76396 61059 51477 84831
72021 13197 46132 21788 31668 17046

11541/13441/14941 kHz, 16-05, 0700/0720/0740 UC

08452 00001 00000 34265

10559/9372 kHz, 17-05, 1840/1850 UTC

02298 00074 22919 70678 34335 99258 35640 98178 38229 90920
36104 45822 05047 57120 10188 66844 37392 17505 48941 26296
63952 91124 67053 41976 71526 50048 10883 58446 37483 90935
32007 14902 29940 16506 43990 49420 31400 20015 49296 56761
52219 10480 70377 67128 31975 27298 42949 25248 77873 87114
98040 51683 77026 98734 79149 78465 65814 76968 51563 56865
74261 73625 41555 07126 58040 61375 22936 73053 84174 93926
82445 41003 00124 18985 48554 05853 70045

19667/18767/17467 kHz, 18-05, 0700/0720/0740 UTC

04452 00001 00000 33662

17462/16114/14828 kHz, 18-05/19-05, 1900/1920/1940 UTC

00511 00121 34757 56312 91130 03450 54676 76778 64925 50772
20278 69797 13511 55687 68967 10806 19428 10078 55808 32464
00268 99136 60394 58442 06734 98017 80604 71332 71386 95120
08114 78671 01099 16378 88099 98921 63516 84512 66133 22866
36570 14890 71997 48103 73400 17241 57619 63135 34566 52296
35609 90805 98397 18748 94397 14002 11554 32865 34359 28420
94961 87420 01537 54682 63234 67077 42038 77040 99830 21849
08679 38698 69170 83587 08070 54847 32619 13067 89451 62852
26801 11148 10399 95836 58835 20367 76941 77658 36900 89318
78799 67670 34544 98871 34637 02747 24936 20789 44328 48174
70759 19833 28583 69317 67858 89722 75246 23759 39211 11876
96131 66497 89215 43637 39864 93477 97530 11825 08634 80955
53045 38200 70129 21525

11541/13441/14941 kHz, 21-05/23-05, 0700/0720/0740 UC

00246 00135 92431 69546 28143 87876 23614 46193 04246 33019
41781 17855 87994 76879 32411 35125 66526 57545 29737 54210
48868 72804 12503 64960 39605 09473 35809 22983 81963 74960
63679 99753 63393 21919 65182 83109 40305 49797 89815 10157
66192 22004 18957 37750 68115 04039 40715 23378 00752 81459
40659 02184 15524 25835 46151 28334 56512 00482 15122 29771
37915 57801 74318 45017 01226 88310 28251 44253 71314 67643
88300 59047 11115 49280 06333 37677 75899 88093 83355 96571
49878 44692 12834 34804 17236 49794 91280 81301 20024 32879
22237 84941 72182 06457 38474 25860 45346 41927 59230 14556
95673 16882 43128 25080 45795 72760 27853 96697 41710 95575
08737 67949 79568 38395 71584 79080 73270 47964 90291 34054
83135 32063 24755 56446 72551 20236 30576 60863 39075 65951
03748 26927 97434 83744 85928 52925 01166 33502

19667/18767/17467 kHz, 22-05, 0700/0720/0740 UTC

0700 UTC transmission stops after 62nd group

08524 00129 73211 29482 39084 12397 75598 84341 28069 07999
41453 20866 32071 22677 61405 76955 30342 59999 65703 56155
50010 21848 33527 83799 26293 87334 50737 93455 93519 30630
42070 53277 14741 61034 52014 66298 92296 60624 48876 97797
19943 56152 09983 45994 61154 54986 43010 78744 03026 22061
07019 40729 71576 80447 97853 61496 76653 83792 10183 29051
69548 94017 26474 24796 74815 18337 23137 83518 99140 80973
25495 71673 80264 15472 58747 47917 97108 29137 91759 52968
62213 21542 23483 11647 99536 94330 12142 01192 49728 14936
06204 40383 34159 44945 04697 64856 71809 91051 16693 76700
13255 84177 83686 36678 18208 87066 74549 82679 62926 83107
03266 64119 80586 19427 31680 40419 55663 60709 47401 86551
09322 46117 39929 77025 76636 08575 41378 07006 14706 06129
77368 65177

14538/13538/12138 kHz, 22-05, 2000/2020/2040 UTC

09964 00057 90619 48549 03095 42958 03579 82776 80693 88473
40202 73452 70813 93280 06739 71800 53867 83035 91413 41937
68429 31388 49593 67096 02769 08791 58010 80419 18023 19586
63803 94194 06640 12901 33489 89715 69626 36553 74368 28571
95255 33415 89167 42966 30192 25639 24783 84899 34172 57511
30873 95672 53723 47176 92211 00347 17132 22572 10924 72503

17462/16114/14828 kHz, 25-05, 1900/1920/1940 UTC

07478 00001 00000 37266

17462/16114/14828 kHz, 26-05, 1900/1920/1940 UTC

04681 00001 00000 34664

14538/13538/12138 kHz, 27-05, 2000/2020/2040 UTC

09964 00057 90619 48549 03095 42958 03579 82776 80693 88473
40202 73452 70813 93280 06739 71800 53867 83035 91413 41937
68429 31388 49593 67096 02769 08791 58010 80419 18023 19586
63803 94194 06640 12901 33489 89715 69626 36553 74368 28571
95255 33415 89167 42966 30192 25639 24783 84899 34172 57511
30873 95672 53723 47176 92211 00347 17132 22572 10924 72503

14538/13538/12138 kHz, 29-05, 2000/2020/2040 UTC

07415 00001 00000 35660

F11

13424 kHz, 07-05, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 66778 95637 09299 40806 05063 39197 60257 68759
08994 75899 28837 07526 06909 91285 08432 89070 95959 21292
22935 30720 85381 51152 52678 92327 06907 88066 76257 98820
31058 06303 99201 75992 31264 96198 47146 52646 88888 88888
00040 00040

6280 kHz, 08-05/09-05, 1150/1155 UTC

0325 0325 0325 0325 0325

88888 88888 45355 57487 02587 53387 56846 56205 74790 45091
80608 61852 73102 96120 56121 48161 39628 08254 48570 77311
07947 88302 04418 65983 27281 70516 37353 12757 98542 09165
80011 72282 69162 71804 44567 24242 36169 19223 88888 88888
00040 00040

POL

New mode:

5779 kHz, 06-05, 1945 UTC, MFSK-4

New schedule, unid mode:

10210 kHz, 10-05, 1000-1005 UTC

10210 kHz, 21-05, 1000-1005 UTC

10210 kHz, 24-05, 1000-1005 UTC

DIPLOMATIC STATIONS

North Korean propaganda stations

Echo of Unification

0430-0632 UTC, 3970, 5905, 6250 kHz

1230-1432 UTC, 3970, 5905, 6250 kHz

2230-0032 UTC, 3970, 5905, 6250 kHz

South Korean propaganda stations

National Unity Radio (Gugmin tong-il Bangsong)

<http://www.rfchosun.org>

1200-1300 UTC, 9565, 7530 kHz

1300-1400 UTC, 9530, 7530 kHz

1400-1500 UTC, 9700, 7530 kHz

Free North Korea Radio (Jayu Bukhan Bangsong)

<http://www.fnkradio.com>

2000-2100 UTC, 15630 kHz

North Korea Reform Radio (Joseo Gaehyeok Bangsong)

<http://www.nkreform.com>

1400-1500 UTC, 11550 kHz

2000-2100 UTC, 7595 kHz

Voice of Martyrs (Sung-yoja ui soli Bangsong)

<http://vomkorea.co.kr>

1530-1700 UTC, 7510 kHz

Voice of Wilderness (Gwang-ya ui soli Bangsong)

<http://www.cornerstone.or.kr>

Daily 1000-1200 UTC, 7620 UTC

Sunday 0400-0500 UTC, 1566 kHz

Echo of Hope / Voice of Hope

0555-2400 UTC, 3985, 4885, 6003, 6250, 6348, 9100 kHz

Voice of Freedom (Jayu-e soli bangsong)

1551-2006 UTC, 5920, 6045 kHz. FM 101.7,103.1,107.3 MHz

2058-0206 UTC, 5920, 6045 kHz. FM 101.7,103.1,107.3 MHz

0258-0806 UTC, 5920, 6045 kHz. FM 101.7,103.1,107.3 MHz

0858-1506 UTC, 5920, 6045 kHz. FM 101.7,103.1,107.3 MHz

North Korean diplomatic stations

Freq	Date	UTC	Day	Details	Mode
11320	1-5	0736	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB
18033	10-5	0500	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14255	11-5	1314	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB
14466	30-5	1439	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB
16335	31-5	1349	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB

Egyptian diplomatic stations

Freq	Date	UTC	Day	Details	Mode
13414.7	1-5	0738	Tue	Egyptian diplo i.p.	SITOR-A 100/170
11154.7	5-5	0733	Sat	22205: Egyptian Embassy Moscow wkg 99903: MFA Cairo: 99903	Codan chirp
12221.7	5-5	0733	Sat	22205: Egyptian Embassy Moscow wkg 99903: MFA Cairo: 99903	Codan chirp
12349.7	5-5	0752	Sat	99903: MFA Cairo wkg 22205: Egyptian embassy Moscow	Codan chirp

UTILITY ROUND-UP

JCS Foxtrot Messages & Emergency Action Messages

Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

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

21-05, 1823 UTC	Immortal	30 chr EAM YZIKOQ N3WTLCI5BNUQPP5SGZQHFI4
21-05, 1837 UTC	Immortal	30 chr EAM YZFK4V WBB5ZQOY4E6VJIHJ2XYLOER2
21-05, 1900 UTC	Immortal	30 chr EAM YZFK4V WBB5ZQOY4E6VJIHJ2XYLOER2
21-05, 1938 UTC	Immortal	30 chr EAM YZ2W7X 4PIF6B3ZH7KAAMCN7KSP3Q4
21-05, 1950 UTC	Immortal	30 chr EAM YZJTJV FKGOS5MFDNAWVWGZA24P2QSY
21-05, 1952 UTC	Immortal	30 chr EAM YZJBZC A6VSJ3KXASBXY23BNXM4ZLFY
21-05, 2032 UTC	Immortal	30 chr EAM YZJBZC A6VSJ3KXASBXY23BNXM4ZLFY
21-05, 2035 UTC	Immortal	30 chr EAM YZJTJV FKGOS5MFDNAWVWGZA24P2QSY
21-05, 2046 UTC	Immortal	30 chr EAM for Dinty Moore KMQTHJ YKFO4DBZEFVKYTITWFK7IEY
21-05, 2056 UTC	Immortal	30 chr EAM for Dinty Moore KM7OOI GGNR5PF2U462W3DPLIPSWJO4
22-05, 0032 UTC	Dignitary	30 chr EAM YZ3CKI UAJGKK2LOFIF4DD63VUER72S
22-05, 0151 UTC	Dignitary	30 chr EAM Skyking msg: Kinks Time 50 Auth MG disregard this transmission
22-05, 0151 UTC	Dignitary	30 chr EAM Skyking msg: Kinks Time 51 Auth MG
22-05, 0506 UTC	Dignitary	30 chr EAM YZZY6H 253SK2RFCM6TM43EZMFVLO6M
22-05, 0508 UTC	Dignitary	30 chr EAM YZHXOI R3A3UQ55JRECOLGDGGYJ62AV
22-05, 0512 UTC	Dignitary	30 chr EAM YZZY6H 253SK2RFCM6TM43EZMFVLO6M
22-05, 0519 UTC	Dignitary	30 chr EAM YZHHCU POR7PUWVBF4GBPBWNMPGUKW4
22-05, 0534 UTC	Dignitary	30 chr EAM YZOUVE JM2PCGUTYWBOV2GE7HKAS7G2
22-05, 0544 UTC	Dignitary	30 chr EAM YZOMDI SI3FR7FJQW2OB5HOL2ATZFW4
22-05, 1601 UTC	Dignitary	30 chr EAM KMNRZQ F474SX2KNZJ7TH4ZUS3BWLLH
23-05, 1644 UTC	Chip Shot	30 chr EAM for Flores KMQ4LN K35CAL2WC6YUHRZ4A6J4EHP7
23-05, 1656 UTC	Chip Shot	30 chr EAM for Flores KMCC5T 7SN3OMWYFGXEHIPENJYXIRLQ
23-05, 1702 UTC	Chip Shot	30 chr EAM for Flores KMHW5G 73X4MKY6KJHLV7ZMDAWDNWOS
23-05, 1717 UTC	Chip Shot	30 chr EAM YZ54ZC 6EOD5K7RIT4O7LUJKAEG4QIW
23-05, 1727 UTC	Chip Shot	30 chr EAM YZERX6 NURYGVDJMOCXHABGV33HU2J6
23-05, 2030 UTC	Chip Shot	30 chr EAM YZTKBB LSNKFLMMBY4FUMRGEJY52ZQ7
23-05, 2032 UTC	Chip Shot	30 chr EAM YZVO2X LXI6CF6G5CCH2JOOHT7HYVRU
24-05, 1233 UTC	Iron Gate	30 chr EAM for Sacrifice Fly KMFUSD IKJOMEBJYWMUTP54QDPITAUJ
24-05, 1245 UTC	Iron Gate	30 chr EAM for Sacrifice Fly KMCO4U SMGJMN3XDKLW2CYG265L3LHF
24-05, 1301 UTC	Iron Gate	30 chr EAM for Sacrifice Fly KM5U42 AFEOISP2OUBHSA7QWX3IMKV7
24-05, 1425 UTC	Iron Gate	48 chr EAM YSHRNQ 3B4UHSZXPVCMJEC44IJG65NIN44SX67K5FFF2BF2W3
24-05, 1530 UTC	Iron Gate	47 chr EAM KMJTXW JDCY2LMJA7NALPUUJSL24SUC6KQTJE24SBR7ZG63C
24-05, 1533 UTC	Iron Gate	48 chr EAM YSHRNQ 3B4UHSZXPVCMJEC44IJG65NIN44SX67K5FFF2BF2W3
24-05, 1543 UTC	Iron Gate	52 chr EAM KM4MXP URSRK6FPPBTQYFWFUXGCZXIR36M2FC6PRTKBTNIII6QZOX
24-05, 1600 UTC	Iron Gate	52 chr EAM KM4MXP URSRK6FPPBTQYFWFUXGCZXIR36M2FC6PRTKBTNIII6QZOX
24-05, 1603 UTC	Iron Gate	47 chr EAM KMJTXW JDCY2LMJA7NALPUUJSL24SUC6KQTJE24SBR7ZG63C
24-05, 1629 UTC	Iron Gate	52 chr EAM KM4MXP URSRK6FPPBTQYFWFUXGCZXIR36M2FC6PRTKBTNIII6QZOX
24-05, 1633 UTC	Iron Gate	47 chr EAM KMJTXW JDCY2LMJA7NALPUUJSL24SUC6KQTJE24SBR7ZG63C
24-05, 1637 UTC	Iron Gate	30 chr EAM YZED3V QDFO24JGJ2XSSI4B3OLTZ5AB
24-05, 1640 UTC	Iron Gate	52 chr EAM KM4MXP URSRK6FPPBTQYFWFUXGCZXIR36M2FC6PRTKBTNIII6QZOX
24-05, 1643 UTC	Iron Gate	47 chr EAM KMJTXW JDCY2LMJA7NALPUUJSL24SUC6KQTJE24SBR7ZG63C
24-05, 1646 UTC	Iron Gate	48 chr EAM YSHRNQ 3B4UHSZXPVCMJEC44IJG65NIN44SX67K5FFF2BF2W3
24-05, 1817 UTC	Iron Gate	30 chr EAM for Beeno-40 for Apron-40 KMWOED 2LPRIWSQJCRMAM5YMXZNUSU
24-05, 1746 UTC	Iron Gate	30 chr EAM YZ7F2L ALPQCVLSI3UJ42WF2VLHFIVY

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by WP3, JU, JPL, Nige.

M32 - Russian / CIS Military CW Stations

6846 kHz, 14-05, 1832 UTC

Z1NO DE MED5 R 939 ? K
Z1NO DE MED5 R 939 ? K
XWMF DE MED5
M4W8 DE MED5 R 939 ? K
2..K DE MED5 QTA 939 K
MED5 R K
RPT K
MED5 R K
RPT K

10164 kHz, 21-05, 0940 UTC

XXX XXX WEGI WEGI 10630 48442 SULXFIDNYJ 6255 7583 K

10164 kHz, 21-05, 0947 UTC

UUUUU XXX XXX 2V8I 2V8I 22282 82520 AWTOFURGON 7910 8583

18.1//17460 kHz, 29-05, 1119 UTC

RDL RDL RDL 34732 40410 34732 40410 K
RDL RDL RDL 80230 48516 80230 48516 80230 48516 K

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

12464 kHz, 07-05, 0621 UTC. RKO81: Russian Navy AO Lena

RCV DE RKO81 136 19 7 0900 136 = SML FOR RJH45 RJE73 =
07061 99353 10174 41999 00901 10185 40136 54002 70100 80000 22222 00166 22200 88000 80000 07015 =
+ RKO81 K

12464 kHz, 07-05, 15xx UTC. RCJE: Russian Navy Tug SB5

RCV DE RCJE QSA? K QSA2 QRV K
NR 254 RPT 1 K
RCJE 254 25 7 1946 254 =
FIAÜÄ QOKÖÄ ZAVKL AODÖN OAKVO

8460 kHz, 07-05, 1622 UTC. RFH61: Russian Navy Ship Perekop (310)

RJH25 DE RFH61 446 19 7 1800 446 = SML FOR RJD38 RJH45 RJH48 RIF4 =
07151 99087 31160 41698 30004 10271 40110 53018 70200 83600 22200 00250 20000 07013 =
+ RFH61 K

8460 kHz, 07-05, 1805 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy

RJH25 DE RHO62 508 17 7 2101 508 = SML FOR RJH45 RJD38 RJH48 =
07181 99089 10680 42598 22401 10294 40089 52011 82201 22262 00305 299// 07012 =
+ RHO62 K

12464 kHz, 19-05, 0601 UTC. RKO81: Russian Navy AO Lena

RCV DE RKO81 169 19 19 0900 169 = SML FOR RJH45 RJE73 =
19061 99345 10304 41997 13202 10202 40079 54003 70200 81006 22200 00224 22200 88000 80000 19015 =
+ RKO81 K

12464 kHz, 19-05, 0608 UTC. RMGB: Russian Navy Tanker Iman

RCV DE RMGB 642 19 19 0900 642 = SML FOR RJH45 RJE73 =
19061 99349 103.. ... 12002 10260 40090 54020 70222 82020 22263 00170 20202 88000 80000 19015 =
+ RMGB K

12464 kHz, 19-05, 0611 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy

RCV DE RHO62 549 18 19 0901 549 = SML FOR RJH45 RJD38 RJE73 =
19061 99345 10241 42698 33601 10218 40106 52010 81131 22263 00220 2//// 88000 19013 =
+ RHO62 K

12464 kHz, 19-05, 1206 UTC. RJI48: Russian Navy SB-739

RCV DE RJI48 230 17 19 1502 230 SML FOR RJH45 RJE73 =
19151 99344 10359 44998 23108 10238 40091 57040 70000 80000 22212 00217 20000 19013 =
+ RJI48 K

12464 kHz, 19-05, 1208 UTC. RCJE: Russian Navy Tug SB5

RCV DE RCJE 643 19 19 1505 643 = SML FOR RJH45 RJE73 =
19121 99399 10256 41598 80902 10025 40119 54000 70222 88000 22200 00020 20000 88000 80000 19015 =
+ RCJE K

12464 kHz, 19-05, 1546 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy

RCV DE RHO62 RPT RHO62 1300/ 13456 02304 88881 000 32134

12464 kHz, 19-05, 1553 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy

RCV DE RHO62 103 52 19 1745 103 = FOR RJH45 RJD38 =RJE73 =
KKHH 19058 1400/ 13457 02303 88881 20000 32171 43887

8345 kHz, 19-05, 0605 UTC. RCJE: Russian Navy Tug SB5

RCV DE RCJE 486 19 19 0903 486 = SML FOR RJH45 RJE73 =
19061 99399 10256 41597 70511 10022 40119 53079 70211 87000 22200 00020 20000 88000 80000 19015 =
+ RCJE K

8345 kHz, 19-05, 1800 UTC. RJI48: Russian Navy SB-739

RCV DE RJI48 947 17 19 2101 947 = SML OR RJE73 RJH45 =
19211 99347 10344 44998 22505 10264 41092 54000 70000 80000 22252 00243 20000 19013 =
RJI48 K

8345 kHz, 19-05, 1805 UTC. RKO81: Russian Navy AO Lena

RCV DE RKO81 975 19 19 2100 975 = SML FOR RJH45 RJE73 =
19181 99343 10305 41/98 93203 10263 40075 54005 70000 89/// 22200 00231 22200 88000 80000 19015 =
+ RKO81 K

8345 kHz, 19-05, 1807 UTC. RMGB: Russian Navy Tanker Iman

RCV DE RMGB 154 17 19 2100 154 = SML FOR RJH45 RJE73 =
19181 99344 10341 41798 52903 10250 40100 51000 70222 86020 22263 00180 20101 19013 =
+ RMGB K

8345 kHz, 19-05, 1808 UTC. RCJE: Russian Navy Tug SB5

RCV DE RCJE 943 19 19 2103 943 = SML FOR RJH45 RJE73 =
19181 99399 10256 41997 03601 10023 40119 54000 70200 80000 22200 00020 20000 88000 80000 19015 =
+ RCJE K

8345 kHz, 19-05, 1815 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy

RCV DE RHO62 611 17 19 2101 611 = SML FOR RJH45 RJD38 RJE73 =
99352 10223 42898 33503 10208 40101 57009 83030 22273 00216 2//// 19012 =
+ RHO62 K

8345 kHz, 19-05, 1824 UTC. RCJE: Russian Navy Tug SB5

RCV DE RCJE 137 19 19 1715 137 =

56175 81171 11027 60838 24961 09578 33969 06561 7063 50656 68856 70237 65259 31633 13182 05926 30715 71159 19018
= + RCJE K**8345 kHz, 19-05, 2010 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy**

RCV DE RHO62 297 52 19 2306 297 = FOR RJH45 RJD38 RJE73 =

KKHH 19058 2000/ 13523 02155 88881 20000 32126 43901 20010 32101 43879 19048 =
+ RHO62 K**8345 kHz, 19-05, 2104 UTC. RHO62: Russian Navy Ship Admiral Vladimirskiy**

RCV DE RHO62 561 17 19 0001 561 = SML FOR RJH45 RJD38 RJE73 =

19211 99354 10217 42898 20304 10205 40096 57005 82031 22273 00212 2//// 20012 =
+ RHO62 K COR PBL RPT 561 17 20 0001 561 K***M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)*****8816 kHz, 20-05**0913 UTC 71877 QTO 0905 QRD XLLV XLMV QRE 1200 QBD 0500
1010 UTC 71877 QQL ULPE 1008 QBD 0400 QBG 5800
1105 UTC 71877 QTH 16112 13223 QTR 1105 QBD 0300 QRE XLLV 1140
1135 UTC 71877 QTC QQM XLLV 1137
1242 UTC 71877 QTO 1230 QRD XLWF XLLV QRE 1400 QBD 0500
1322 UTC 71877 QTH 15958 13549 QTR 1320 QBD 0400 QBG 5200 QRE XLWF 1400
1355 UTC 71877 QTC QQM XLWF 1355
1545 UTC 71877 QTO 1530 QRD XRKE XLWF QRE 1940 QBD 0500
1643 UTC 71877 QTH 15555 13844 QTR 1640 QBD 0400 QBG 6400
1744 UTC 71877 QTH 15223 13855 QTR 1740 QBD 0300
1847 UTC 71877 QTH 14901 14128 QTR 1844 QBD 0200 QRE XRKE 1955**8816 kHz, 22-05**0716 UTC 71877 QTO 0710 QRD XLWF XRKE QRE 1100 QBD 0500
0806 UTC 71877 QAY XRRM 0805 QBD 0400 QBG 6100
0909 UTC 71877 QTH 15223 13855 QTR 0907 QBD 0300
0959 UTC 71877 QTH 15551 13751 QTR 0957 QBD 0200 QRE XLWF 1050
1051 UTC 71877 QTC QQM XLWF 1052
1201 UTC 71877 QTO 1152 QRD XLPB XLWF QRE 1300 QBD 0500
1255 UTC 71877 QTC QQM XLPB 1255
1444 UTC 71877 QTO 1433 QRD XLAA XLPB QRE 1550 QBD 0400
1538 UTC 71877 QTC QQM XLAA 1537
1741 UTC 71877 QTO 1735 QRD XLMV XLAA QRE 1940 QBD 0500
1840 UTC 71877 QTH 16651 13456 QTR 1844 QBD 0400 QBG 4900
1934 UTC 71877 QTC QQM XLMV 1935**8816 kHz, 23-05**0746 UTC 08128 QTO 0740 QRD XLAP XLMV QRE 0920 QBD 0530
0841 UTC 08128 QTH 16451 13611 QTR 0840 QBG 6400
0912 UTC 54545 QTO 0900 QRD XLLV XLMV QBD 0500 QRE 1120
0920 UTC 08128 QTC QQM XLAP 0920
0952 UTC 54545 QQL ULPE 0952 QBD 0400 QRE 1100
1100 UTC 54545 QTC QQM XLLV 1100
1410 UTC 54545 QTO 1400 QRD XLMV XLLV QBD 0500 QRE 1615
1500 UTC 08128 QTO 1451 QRD XLMV XLAP QRE 1651 QBD 0500
1550 UTC 08128 QTH 16600 13733 QTR 1550 QBG 6700
1614 UTC 54545 QTC QQM XLMV 1614
1659 UTC 08128 QTC QQM XLMV 1659

8816 kHz, 24-05

0616 UTC 26892 QTO 0610 QRD XLLV XLMV QRE 0845 QBD 0500
0717 UTC 26892 QQL ULPE 0713 QBD 0400 QBG 5800
0809 UTC 26892 QTH 16112 13223 QTR 0807 QBD 0300 QRE XLLV 0830
0836 UTC 26892 QTC QQM XLLV 0835
1258 UTC 26892 QTO 1245 QRD XLMV XLLV QRE 1550 QBD 0500
1349 UTC 26892 QAY XLPB 1346 QBD 0400 QBG 5800
1414 UTC 54545 QTO 1404 QRD XUMO XLMV QBD 0600 QRE 1705
1500 UTC 26892 QTH 16557 13350 QTR 1458 QBD 0300 QRE XLMV 1610
1612 UTC 26892 QTC QQM XLMV 1614
1832 UTC 54545 QTO 1822 QRD XLLV XUMO QBD 0600 QRE 1950
2252 UTC 54545 QQL ULPE 2250 QBD 0400 QRE 0005

8816 kHz, 25-05

0706 UTC 09779 QTO 0700 QRD XLLP XLMV QRE 0920 QBD 0600
0712 UTC 71877 QTO 0703 QRD XLWF XLMV QRE 1000 QBD 0500
0802 UTC 09779 QTH 16414 13322 QTR 0800 QBG 6700
0814 UTC 71877 QQL ULPE 0808 QBD 0400 QBG 5800
0857 UTC 71877 QTH 16117 13700 QTR 0856 QBD 0300 QRE XLWF 0930
0913 UTC 09779 QTC QQM XLLP 0911
0935 UTC 71877 QTC QQM XLWF 0935
1113 UTC 71877 QTO 1100 QRD XRKE XLWF QRE 1450 QBD 0500
1211 UTC 71877 QTH 15500 13747 QTR 1209 QBD 0400 QBG 6100
1241 UTC 54545 QTO 1228 QRD XUMO XLMV QBD 0600 QRE 1520
1311 UTC 71877 QTH 15143 14011 QTR 1309 QBD 0300
1410 UTC 71877 QQL XRRM 1405 QBD 0200 QRE XRKE 1500
1458 UTC 71877 QTC QQM XRKE 1458
1509 UTC 09779 QTO 1500 QRD XLAA XLLP QRE 1650 QBD 0700
1602 UTC 09779 QTH 16243 13529 QTR 1600 QBG 6400
1610 UTC 71877 QTO 1600 QRD XRFI XRKE QRE 1730 QBD 0500
1634 UTC 71877 QTH 14538 13610 QTR 1635 QRE XRFI 1710
1648 UTC 09779 QTC QQM XLAA 1647
1718 UTC 71877 QTC QQM XRFI 1720
1810 UTC 09779 QTO 1800 QRD XLMV XLAA QRE 1925 QBD 0700
1822 UTC 71877 QTO 1800 QRD XRKE XRFI QRE 1920 QBD 0330
1903 UTC 09779 QTH 16709 13344 QTR 1901 QBG 6100
1910 UTC 54545 QTO 1850 QRD XLMV XUMO QBD 0600 QRE 2210
1947 UTC 09779 QTC QQM XLMV 1946
1954 UTC 54545 QQL ULWC 1955 QBG 7300 QBD 0500
2105 UTC 54545 QQL ULPE 2103 QBD 0400 QRE 2205
2207 UTC 54545 QTC QQM 2206

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

8029 kHz, 04-05, 0600, 0720, 0740, 0800, 0820, 0840, 0900, 0940, 1000, 1020 UTC, W-marker
8029 kHz, 04-05, 0920 UTC. Short extremely fast message

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	5106	2-5	0737	Wed	i.p. VVV 2RN 2RN 2RN DE 7PB 7PB 7PB QRU 9691 9691 VA VA TT	CW	(JPL-KOR)
---	17139	8-5	1025	Tue	Mazielka-like signal. Sequence: 116666. Space between tones: 200Hz	MFSK	(SP1)
DPRK	11320	1-5	0736	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	18033	10-5	0500	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-KOR)
DPRK	14255	11-5	1314	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(Phi)
DPRK	14466	30-5	1439	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16335	31-5	1349	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	16032	2-5	1600	Wed	216 509 43 19127 43853 05439 ... 10648 67594 95843 509 43 00000	USB	(qsr711/Au)
E06	13489	2-5	1700	Wed	216 509 43 19127 43853 05439 ... 10648 67594 95843 509 43 00000	USB	(qsr711)
E06	14565	3-5	0500	Thu	460 389 52 73293 57070 84265 ... 82225 63697 06553 389 52 0000	USB	(AB-RUS)
E06	16125	3-5	0600	Thu	460 389 52 73293 57070 84265 ... 82225 63697 06553 389 52 0000	USB	(AB-RUS)
E06	16032	3-5	1600	Thu	216 509 43 19127 43853 05439 ... 10648 67594 95843 509 43 00000	USB	(qsr711)
E06	13489	3-5	1700	Thu	216 509 43 19127 43853 05439 ... 10648 67594 95843 509 43 00000	USB	(qsr711)
E06	14565	4-5	0500	Fri	460 389 52 73293 57070 84265 ... 82225 63697 06553 389 52 0000	USB	(AB/HFD)
E06	16125	4-5	0600	Fri	460 389 52 73293 57070 84265 ... 82225 63697 06553 389 52 0000	USB	(AB/HFD)
E06	5731	4-5	2130	Fri	315 183 77 73413 48673 92659 ... 91242 17492 27491 183 77 00000	USB	(AB/RL/HFD)
E06	14565	17-5	0500	Thu	460 237 51 88483 63671 21003 ... 51798 88108 00098 237 51 00000	USB	(AB)
E06	16125	17-5	0600	Thu	460 237 51 88483 63671 21003 ... 51798 88108 00098 237 51 00000	USB	(AB)
E06	5933	17-5	2030	Thu	724 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000	USB	(AB)
E06	14565	18-5	0500	Fri	460 237 51 88483 63671 21003 ... 51798 88108 00098 237 51 00000	USB	(AB)
E06	16125	18-5	0600	Fri	460 237 51 88483 63671 21003 ... 51798 88108 00098 237 51 00000	USB	(AB)
E06	5731	18-5	2128	Fri	Early start. 315 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000	USB	(BW3-RUS)
E07	19659	1-5	1100	Tue	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB-RUS)
E07	19659	1-5	1100	Tue	641 1 127 109 39899	USB	(HFD-RUS)
E07	17459	1-5	1120	Tue	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB/MPJ/HFD)
E07	16159	1-5	1140	Tue	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB/RL/MPJ/HFD)
E07	14763	2-5	1700	Wed	731 731 731 1 110 168 110 168 47387 64979 45256 ... 24019 15464 69944 000 000	AM	(AB/MPJ/HFD)
E07	13363	2-5	1720	Wed	731 731 731 1 110 168 110 168 47387 64979 45256 ... 24019 15464 69944 000 000	AM	(AB/MPJ/HFD)
E07	12163	2-5	1744	Wed	731 731 731 1 110 168 110 168 47387 64979 45256 ... 24019 15464 69944 000 000	AM	(AB/MPJ/HFD)
E07	17472	2-5	1900	Wed	483 483 483 000	USB	(AB/MPJ/HFD)
E07	15872	2-5	1920	Wed	483 483 483 000	USB	(AB/MPJ/HFD)

E07	11539	3-5	2010	Thu	553 553 553 000	AM	(AB/HFD)
E07	10547	3-5	2030	Thu	553 553 553 000	AM	(AB/HFD)
E07	19659	4-5	1100	Fri	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB-RUS/MPJ-AUT)
E07	17459	4-5	1120	Fri	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB/MPJ-AUT)
E07	16159	4-5	1140	Fri	641 641 641 1 127 109 127 109 39899 33155 82262 ... 10866 78935 59613 000 000	USB	(AB/MPJ-AUT)
E07	9064	5-5	0600	Sat	024 024 024 000	USB	(AB/HFD)
E07	10264	5-5	0620	Sat	024 024 024 000	USB	(AB/HFD)
E07	9064	6-5	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	6-5	0620	Sun	024 024 024 000	USB	(AB)
E07	14763	6-5	1700	Sun	731 731 731 000	AM	(AB/MPJ)
E07	13363	6-5	1720	Sun	731 731 731 000	AM	(AB/MPJ)
E07	17472	7-5	1900	Mon	483 483 483 000	USB	(AB/MPJ)
E07	15872	7-5	1920	Mon	483 483 483 000	USB	(AB)
E07	19659	8-5	1100	Tue	641 641 641 000	USB	(AB-RUS)
E07	17459	8-5	1120	Tue	641 641 641 000	USB	(AB)
E07	14763	9-5	1700	Wed	731 731 731 000	AM	(AB)
E07	13363	9-5	1720	Wed	731 731 731 000	AM	(AB)
E07	17472	9-5	1900	Wed	483 483 483 000	USB	(AB/MPJ)
E07	15872	9-5	1920	Wed	483 483 483 000	USB	(AB/MPJ)
E07	11539	10-5	2010	Thu	553 553 553 1 8779 61 8779 61 29922 11699 72177 ... 71802 29239 97395 000 000	AM	(AB/RL)
E07	10547	10-5	2030	Thu	553 553 553 1 8779 61 8779 61 29922 11699 72177 ... 71802 29239 97395 000 000	AM	(AB)
E07	9388	10-5	2050	Thu	553 553 553 1 8779 61 8779 61 29922 11699 72177 ... 71802 29239 97395 000 000	AM	(AB)
E07	19659	11-5	1100	Fri	641 641 641 000	USB	(AB/LA6LU)
E07	17459	11-5	1120	Fri	641 641 641 000	USB	(AB/LA6LU)
E07	9064	12-5	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	12-5	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	13-5	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	13-5	0620	Sun	024 024 024 000	USB	(AB)
E07	14763	13-5	1700	Sun	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB/MPJ)
E07	13363	13-5	1720	Sun	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB/MPJ)
E07	12163	13-5	1740	Sun	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB/MPJ)
E07	17472	14-5	1900	Mon	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB)
E07	15872	14-5	1920	Mon	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB)
E07	14372	14-5	1940	Mon	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB)
E07	17459	15-5	1120	Tue	641 641 641 000	USB	(MPJ)
E07	14763	16-5	1700	Wed	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB)
E07	13363	16-5	1720	Wed	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB)
E07	12163	16-5	1740	Wed	731 1 263 129 33486 16566 12871 ... 77896 47506 31259 000 000	AM	(AB)
E07	17472	16-5	1900	Wed	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB-RUS/MPJ)

E07	15872	16-5	1920	Wed	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB/MPJ)
E07	14372	16-5	1940	Wed	483 483 483 1 351 130 351 130 39226 00588 99021 ... 06695 45107 54322 000 000	USB	(AB/RL)
E07	11539	17-5	2010	Thu	553 553 553 000	AM	(AB)
E07	10547	17-5	2030	Thu	553 553 553 000	AM	(AB)
E07	19659	18-5	1100	Fri	641 641 641 000	USB	(AB/MPJ)
E07	17459	18-5	1120	Fri	641 641 641 000	USB	(AB/MPJ)
E07	9064	19-5	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	19-5	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	20-5	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	20-5	0620	Sun	024 024 024 000	USB	(AB)
E07	14763	20-5	1700	Sun	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ)
E07	13363	20-5	1720	Sun	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ)
E07	12163	20-5	1740	Sun	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ)
E07	17472	21-5	1900	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB)
E07	15872	21-5	1920	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB)
E07	14372	21-5	1940	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB)
E07	19659	22-5	1100	Tue	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(AB-RUS/MPJ)
E07	17459	22-5	1120	Tue	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(AB/MPJ)
E07	16159	22-5	1140	Tue	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(AB/MPJ)
E07	14763	23-5	1700	Wed	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ)
E07	13363	23-5	1720	Wed	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ)
E07	12163	23-5	1740	Wed	731 731 731 1 265 134 265 134 60972 22202 08232 ... 08046 94782 43610 000 000	AM	(AB/MPJ/BW3-HOL)
E07	17472	23-5	1900	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	15872	23-5	1920	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	14372	23-5	1940	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/RL/MPJ/BW3-HOL)
E07	11539	24-5	2010	Thu	553 553 553 000	AM	(AB)
E07	10547	24-5	2030	Thu	553 553 553 000	AM	(AB)
E07	19659	25-5	1100	Fri	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(MPJ)
E07	17459	25-5	1120	Fri	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(MPJ)
E07	16159	25-5	1140	Fri	641 641 641 1 282 125 282 125 36648 58911 84150 ... 46812 73611 14604 000 000	USB	(MPJ)
E07	14763	27-5	1700	Sun	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB)
E07	13363	27-5	1720	Sun	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB)
E07	12163	27-5	1740	Sun	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB)
E07	17472	28-5	1900	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	15872	28-5	1920	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	14372	28-5	1940	Mon	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	17459	29-5	1120	Tue	641 641 641 00000	USB	(MPJ)
E07	16159	29-5	1140	Tue	641 641 641 00000	USB	(MPJ)

E07	14763	30-5	1700	Wed	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB/MPJ)
E07	13363	30-5	1720	Wed	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB/MPJ)
E07	12163	30-5	1740	Wed	731 731 731 1 8978 59 8978 59 48115 74957 43296 ... 53162 60276 91360 000 000	AM	(AB/MPJ)
E07	17472	30-5	1900	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	15872	30-5	1920	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	14372	30-5	1940	Wed	483 483 483 1 888 122 888 122 00774 83915 83219 ... 35540 62417 58117 000 000	USB	(AB/MPJ)
E07	11539	31-5	2010	Thu	553 553 553 1 1082 49 1082 49 97372 10486 40038 ... 43546 21642 36399 000 000	AM	(AB)
E07	10547	31-5	2030	Thu	553 553 553 1 1082 49 1082 49 97372 10486 40038 ... 43546 21642 36399 000 000	AM	(AB)
E07	9388	31-5	2050	Thu	553 553 553 1 1082 49 1082 49 97372 10486 40038 ... 43546 21642 36399 000 000	AM	(AB)
E07a	12166	2-5	2000	Wed	172 172 172 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB/HFD)
E07a	10766	2-5	2020	Wed	172 172 172 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB/HFD)
E07a	9266	2-5	2040	Wed	172 172 172 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB/HFD)
E07a	7933	3-5	0430	Thu	912 912 912 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB)
E07a	9133	3-5	0450	Thu	912 912 912 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB)
E07a	10233	3-5	0510	Thu	912 912 912 1 31905 6143 57 6143 57 52230 20775 52324 ... 75646 48156 09247 000 000	USB	(AB)
E07a	12182	4-5	1510	Fri	101 101 101 000	USB	(AB/MPJ/HFD)
E07a	11082	4-5	1530	Fri	101 101 101 000	USB	(AB/MPJ/HFD)
E07a	12177	5-5	0800	Sat	148 148 148 000	USB	(AB/HFD)
E07a	13477	5-5	0820	Sat	148 148 148 000	USB	(AB/HFD)
E07a	12166	9-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	9-5	2020	Wed	172 172 172 000	USB	(AB/ER-HOL/RL)
E07a	7933	10-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	10-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	11-5	1510	Fri	101 101 101 000	USB	(AB/RL)
E07a	11082	11-5	1530	Fri	101 101 101 000	USB	(AB/RL/LA6LU)
E07a	12177	12-5	0800	Sat	148 148 148 000	USB	(AB)
E07a	13477	12-5	0820	Sat	148 148 148 000	USB	(AB/RL)
E07a	12166	16-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	16-5	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	17-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	17-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	18-5	1510	Fri	101 101 101 000	USB	(AB/MPJ)
E07a	11082	18-5	1530	Fri	101 101 101 000	USB	(AB/MPJ/BW3-J)
E07a	12177	19-5	0800	Sat	148 148 148 000	USB	(AB/RL)
E07a	13477	19-5	0820	Sat	148 148 148 000	USB	(AB/RL)
E07a	12166	23-5	2000	Wed	172 172 172 000	USB	(AB/RL)
E07a	10766	23-5	2020	Wed	172 172 172 000	USB	(AB)
E07a	7933	24-5	0430	Thu	912 912 912 000	USB	(AB)
E07a	9133	24-5	0450	Thu	912 912 912 000	USB	(AB)
E07a	12182	25-5	1510	Fri	101 101 101 000	USB	(MPJ)

E07a	11082	25-5	1530	Fri	101 101 101 000	USB	(MPJ)
E07a	12166	30-5	2000	Wed	172 172 172 1 12612 8508 73 8508 73 27897 16254 36093 ... 57828 46105 67386 000 000	USB	(AB)
E07a	10766	30-5	2020	Wed	172 172 172 1 12612 8508 73 8508 73 27897 16254 36093 ... 57828 46105 67386 000 000	USB	(AB)
E07a	9266	30-5	2040	Wed	172 172 172 1 12612 8508 73 8508 73 27897 16254 36093 ... 57828 46105 67386 000 000	USB	(AB)
E11	10429	1-5	0715	Tue	635/00	USB	(AB/HFD)
E11	13911	1-5	0820	Tue	132/00	USB	(AB/HFD)
E11	12202	1-5	0845	Tue	150/00	USB	(A/HFDB)
E11	12397	1-5	1000	Tue	307/00	USB	(AB/HFD)
E11	6304	1-5	1205	Tue	461/00	USB	(AB/MPJ)
E11	4783	1-5	1605	Tue	237/00	USB	(AB/MPJ/HFD)
E11	14575	1-5	1645	Tue	330/00	USB	(AB/MPJ/HFD)
E11	11581	1-5	1925	Tue	558/00	USB	(AB/HFD)
E11	15800	2-5	0640	Wed	944/00	USB	(AB/HFD)
E11	13911	2-5	0820	Wed	132/00	USB	(AB)
E11	13427	2-5	0900	Wed	535/00	USB	(AB/HFD)
E11	6304	2-5	0930	Wed	273/00	USB	(AB/HFD)
E11	6304	2-5	1205	Wed	465/00	USB	(AB/HFD)
E11	15795	2-5	1625	Wed	976/00	USB	(AB/MP/HFDJ)
E11	14865	2-5	1705	Wed	391/00	USB	(MPJ)
E11	12202	3-5	0845	Thu	152/00	USB	(AB/RL)
E11	6304	3-5	0930	Thu	278/00	USB	(AB/HFD)
E11	10356	3-5	1530	Thu	268/00	USB	(AB/MPJ/HFD)
E11	14575	3-5	1645	Thu	332/00	USB	(AB/RL)
E11	8088	3-5	1730	Thu	414/00	USB	(AB/MPJ/HFD)
E11	7600	3-5	1900	Thu	649/00	USB	(AB/MPJ/RL/HFD)
E11	11581	3-5	1925	Thu	556/00	USB	(AB)
E11	15800	4-5	0600	Fri	183/00	USB	(AB/HFD)
E11	10429	4-5	0715	Fri	634/00	USB	(AB)
E11	15720	4-5	0745	Fri	344/00	USB	(HFD)
E11	12397	4-5	1000	Fri	305/00	USB	(AB)
E11	13537	4-5	1225	Fri	525/00	USB	(AB/MPJ/RL)
E11	14940	4-5	1650	Fri	924/00	USB	(AB/MPJ/RL/HFD)
E11	6480	5-5	0710	Sat	490/00	USB	(AB/HFD)
E11	14865	5-5	1705	Sat	394/00	USB	(AB/MPJ/HFD)
E11	9130	5-5	2005	Sat	360/00	USB	(AB/HFD)
E11	6480	6-5	0710	Sun	492/00	USB	(AB)
E11	4783	6-5	1605	Sun	235/00	USB	(AB/MPJ)
E11	15795	6-5	1625	Sun	978/00	USB	(AB/MPJ)

E11	14940	6-5	1650	Sun	921/00	USB	(AB/MPJ)
E11	14410	6-5	1745	Sun	246/00	USB	(AB)
E11	9130	6-5	2005	Sun	365/00	USB	(AB)
E11	7469	7-5	0450	Mon	415/00	USB	(HFD)
E11	15800	7-5	0600	Mon	185/00	USB	(AB)
E11	8545	7-5	1045	Mon	694/00	USB	(AB)
E11	13537	7-5	1225	Mon	521/00	USB	(AB)
E11	14410	7-5	1745	Mon	244/00	USB	(AB/MPJ)
E11	7600	7-5	1900	Mon	643/00	USB	(AB/MPJ)
E11	13424	8-5	0645	Tue	514/00	USB	(AB)
E11	6849	8-5	0700	Tue	574/00	USB	(AB/HFD)
E11	13911	8-5	0820	Tue	135/00	USB	(AB/RL)
E11	12397	8-5	1000	Tue	308/00	USB	(AB/RL)
E11	15825	8-5	1345	Tue	911/00	USB	(HFD)
E11	4783	8-5	1605	Tue	238/00	USB	(AB)
E11	14575	8-5	1645	Tue	338/00	USB	(AB)
E11	14865	9-5	1705	Wed	393/00	USB	(AB)
E11	7984	9-5	1730	Wed	400/00	USB	(AB/GHn/RL)
E11	13424	10-5	0645	Thu	514/00	USB	(AB)
E11	11581	10-5	1300	Thu	583/00	USB	(AnEur)
E11	8088	10-5	1730	Thu	412/00	USB	(AB/RL)
E11	7600	10-5	1900	Thu	648/00	USB	(AB/RL)
E11	15800	11-5	0600	Fri	180/00	USB	(AB)
E11	6849	11-5	0700	Fri	573/00	USB	(AB)
E11	12397	11-5	1000	Fri	302/00	USB	(AB/LA6LU)
E11	13537	11-5	1225	Fri	528/00	USB	(AB/RL)
E11	14940	11-5	1650	Fri	922/00	USB	(AB/RL)
E11	9610	11-5	1910	Fri	611/00	USB	(AB/RL)
E11	6480	12-5	0710	Sat	497/00	USB	(AB)
E11	9079	12-5	0805	Sat	315/00	USB	(AB)
E11	11581	12-5	1300	Sat	581/00	USB	(AB)
E11	14865	12-5	1705	Sat	391/00	USB	(AB)
E11	7984	12-5	1730	Sat	402/00	USB	(AB/RL)
E11	6480	13-5	0710	Sun	495/00	USB	(AB)
E11	9079	13-5	0805	Sun	314/00	USB	(AB)
E11	4783	13-5	1605	Sun	235/00	USB	(AB/MPJ)
E11	14940	13-5	1650	Sun	920/00	USB	(MPJ)
E11	14410	13-5	1745	Sun	249/00	USB	(MPJ)
E11	9610	13-5	1910	Sun	611/00	USB	(AB/MPJ)
E11	7469	14-5	0450	Mon	416/00	USB	(AB)

E11	15800	14-5	0640	Mon	940/00	USB	(AB)
E11	9610	14-5	0745	Mon	267/00	USB	(AB)
E11	13427	14-5	0900	Mon	536/00	USB	(AB)
E11	13537	14-5	1225	Mon	528/00	USB	(AB/MPJ/RL)
E11	7600	14-5	1900	Mon	649/00	USB	(AB/MPJ/RL)
E11	13424	15-5	0645	Tue	519/00	USB	(AB/RL)
E11	6849	15-5	0700	Tue	573/00	USB	(AB)
E11	10429	15-5	0715	Tue	639/00	USB	(RL)
E11	12202	15-5	0845	Tue	152/00	USB	(RL)
E11	13427	15-5	0900	Tue	537/00	USB	(AB)
E11	12397	15-5	1000	Tue	306/00	USB	(RL)
E11	6304	15-5	1205	Tue	463/00	USB	(MPJ)
E11	15825	15-5	1345	Tue	919/00	USB	(MPJ)
E11	11581	15-5	1925	Tue	558/00	USB	(AB)
E11	8565	16-5	0315	Wed	256/00	USB	(BW3-GRC)
E11	13427	16-5	0900	Wed	537/00	USB	(RL)
E11	6304	16-5	0930	Wed	271/00	USB	(AB)
E11	6304	16-5	1205	Wed	464/00	USB	(AB/MPJ)
E11	15795	16-5	1625	Wed	975/00	USB	(MPJ)
E11	14865	16-5	1705	Wed	396/00	USB	(MPJ)
E11	7984	16-5	1730	Wed	408/00	USB	(MPJ)
E11	12202	17-5	0845	Thu	151/00	USB	(AB/RL)
E11	6304	17-5	0930	Thu	275/00	USB	(AB)
E11	11581	17-5	1300	Thu	587/00	USB	(MPJ/RL)
E11	10356	17-5	1530	Thu	260/00	USB	(MPJ/RL)
E11	8088	17-5	1730	Thu	416/00	USB	(AB/GHn/MPJ)
E11	7600	17-5	1900	Thu	640/00	USB	(AB/MPJ/RL)
E11	11581	17-5	1925	Thu	556/00	USB	(BW3-POL)
E11	10429	18-5	0715	Fri	633/00	USB	(AB)
E11	15720	18-5	0745	Fri	342/00	USB	(AB)
E11	12397	18-5	1000	Fri	306/00	USB	(AB)
E11	13537	18-5	1225	Fri	520/00	USB	(AB/MPJ)
E11	9610	18-5	1910	Fri	611/00	USB	(AB/ER-HOL)
E11	6480	19-5	0710	Sat	496/00	USB	(AB)
E11	9079	19-5	0805	Sat	312/00	USB	(RL)
E11	11581	19-5	1300	Sat	585/00	USB	(MPJ)
E11	14865	19-5	1705	Sat	393/00	USB	(MPJ/GHn/RL)
E11	14865	19-5	1705	Sat	393/00	USB	(MPJ)
E11	7984	19-5	1730	Sat	409/00	USB	(AB/RL)
E11	9130	19-5	2005	Sat	360/00	USB	(AB)

E11	6480	20-5	0710	Sun	497/00	USB	(AB)
E11	9079	20-5	0805	Sun	314/00	USB	(AB)
E11	15795	20-5	1625	Sun	976/00	USB	(AB/MPJ)
E11	9610	20-5	1910	Sun	612/00	USB	(AB/MPJ)
E11	9130	20-5	2005	Sun	369/00	USB	(AB)
E11	15800	21-5	0600	Mon	184/00	USB	(AB)
E11	15800	21-5	0640	Mon	949/00	USB	(AB)
E11	9610	21-5	0745	Mon	266/00	USB	(RL)
E11	13427	21-5	0900	Mon	532/00	USB	(AB)
E11	8545	21-5	1045	Mon	698/00	USB	(AB)
E11	14410	21-5	1745	Mon	244/00	USB	(AB/MPJ)
E11	7600	21-5	1900	Mon	648/00	USB	(AB/RL/MPJ)
E11	13424	22-5	0645	Tue	517/00	USB	(AB)
E11	6849	22-5	0700	Tue	575/00	USB	(AB)
E11	10429	22-5	0715	Tue	636/00	USB	(AB)
E11	13911	22-5	0820	Tue	136/00	USB	(AB)
E11	12202	22-5	0845	Tue	154/00	USB	(AB)
E11	6304	22-5	1205	Tue	463/00	USB	(AB/MPJ)
E11	15825	22-5	1345	Tue	919/00	USB	(AB/MPJ)
E11	4783	22-5	1605	Tue	238/00	USB	(AB/MPJ)
E11	14575	22-5	1645	Tue	330/00	USB	(AB/MPJ)
E11	11581	22-5	1925	Tue	553/00	USB	(AB)
E11	13911	23-5	0820	Wed	132/00	USB	(AB/RL)
E11	13427	23-5	0900	Wed	533/00	USB	(AB/RL)
E11	8545	23-5	1045	Wed	697/00	USB	(AB)
E11	6304	23-5	1205	Wed	466/00	USB	(AB/MPJ)
E11	15795	23-5	1625	Wed	978/00	USB	(MPJ/BW3-HOL)
E11	7984	23-5	1730	Wed	400/00	USB	(AB/RL/MPJ/BW 3-HOL)
E11	8565	24-5	0315	Thu	252/00	USB	(BW3-GRC)
E11	12202	24-5	0845	Thu	156/00	USB	(AB)
E11	11581	24-5	1300	Thu	583/00	USB	(AB/MPJ)
E11	10356	24-5	1530	Thu	260/00	USB	(AB/MPJ)
E11	14575	24-5	1645	Thu	334/00	USB	(AB)
E11	7600	24-5	1900	Thu	643/00	USB	(AB/MPJ)
E11	11581	24-5	1925	Thu	552/00	USB	(AB)
E11	14940	25-5	1650	Fri	924/00	USB	(MPJ)
E11	9610	25-5	1910	Fri	614/00	USB	(AB/MPJ)
E11	11581	26-5	1300	Sat	586/00	USB	(MPJ)
E11	15825	26-5	1345	Sat	911/00	USB	(MPJ-I)

E11	9130	26-5	2005	Sat	365/00				USB	(AB)
E11	9079	27-5	0805	Sun	315/00				USB	(AB)
E11	9160	27-5	1910	Sun	611/00				USB	(AB)
E11	9130	27-5	2005	Sun	365/00				USB	(AB)
E11	13537	28-5	1225	Mon	521/00				USB	(MPJ)
E11	14410	28-5	1745	Mon	244/00				USB	(AB)
E11	6304	29-5	1205	Tue	461/00				USB	(MPJ)
E11	15825	29-5	1345	Tue	912/00				USB	(MPJ)
E11	14575	29-5	1645	Tue	330/00				USB	(MPJ)
E11	11581	29-5	1925	Tue	553/00				USB	(AB)
E11	6304	30-5	1205	Wed	465/00				USB	(MPJ)
E11	15795	30-5	1625	Wed	976(?) /00				USB	(MPJ)
E11	14865	30-5	1705	Wed	391/00				USB	(AB)
E11	7984	30-5	1730	Wed	406/00				USB	(AB/MPJ)
E11	11581	31-5	1300	Thu	580/00				USB	(AB/MPJ)
E11	8088	31-5	1730	Thu	413/00				USB	(AB/MPJ)
E11	11581	31-5	1925	Thu	553/00				USB	(AB/MPJ)
E11	11581	31-5	1925	Thu	553/00				USB	(AB)
E11a	13424	1-5	0645	Tue	518/40	Attention 50109 33196 11679 ... 59114 71946 37511	Attention (message repeated) Out		USB	(AB)
E11a	15825	1-5	1345	Tue	919/40	Attention ...			USB	(AB-RUS)
E11a	7984	2-5	1730	Wed	408/34	Attention 86010 72883 20883 ... 02371 64980 69055	Attention (message repeated) Out		USB	(AB/MPJ/HFD)
E11a	13424	3-5	0645	Thu	518/40	Attention 50109 33196 11679 ... 59114 71946 37511	Attention (message repeated) Out		USB	(AB/HFD)
E11a	11581	3-5	1300	Thu	585/33	Attention 28209 37694 41070 ... 64391 72382 36434	Attention (message repeated) Out		USB	(AB/HFD)
E11a	6849	4-5	0700	Fri	576/32	Attention 40678 70449 59113 ... 18556 14357 80055	Attention (message repeated) Out		USB	(AB)
E11a	9610	4-5	1910	Fri	618/36	Attention 59219 41157 79396 ... 64564 63849 54671	Attention (Message repeated) Out		USB	(AB/MPJ/RL/HFD)
E11a	11581	5-5	1300	Sat	585/33	Attention 28209 37694 41070 ... 64391 72382 36434	Attention (message repeated) Out		USB	(MPJ)
E11a	7984	5-5	1730	Sat	408/34	Attention 86010 72883 20883 ... 02371 64980 69055	Attention (message repeated) Out		USB	(AB/ER-HOL)
E11a	9079	6-5	0805	Sun	314/39	Attention 89976 ...			USB	(HFD)
E11a	9610	6-5	1910	Sun	618/36	Attention 59219 41157 79396 ... 64564 63849 54671	Attention (Message repeated) Out		USB	(AB/MPJ)
E11a	15800	7-5	0640	Mon	942/31	Attention 41605 93698 66740 ... 03386 91340 28516	Attention (message repeated) Out		USB	(AB-AUT)
E11a	9610	7-5	0745	Mon	264/34	Attention 05563 ...			USB	(HFD)
E11a	13427	7-5	0900	Mon	538/36	Attention 66778 95637 09299 ... 96198 47146 52646	Attention (message repeated) Out		USB	(AB-AUT)
E11a	10429	8-5	0715	Tue	639/36	Attention 17276 46772 08363 ... 97885 23578 17253	Attention (message repeated) Out		USB	(AB/RL)
E11a	12202	8-5	0845	Tue	151/35	Attention 95194 39655 37485 ... 62545 31404 16091	Attention (message repeated) Out		USB	(AB/RL)
E11a	8186	8-5	1100	Tue	No ID /10	Attention 16091 31404 62545 ... 92391 20991 47793	Attention (message repeated) Out		USB	(qsr711)
E11a	8186	8-5	1120	Tue	No ID /20	Attention 17267 46772 77373 ... 89103 56484 84619	Attention (message repeated) Out		USB	(qsr711)
E11a	6304	8-5	1205	Tue	461/36	Attention 45355 57487 02587 ... 24242 36169 19223	Attention (message repeated) Out		USB	(AnEur)
E11a	11581	8-5	1925	Tue	551/36	Attention 54726 26800 25456 ... 13663 80687 03054	Attention (message repeated) Out		USB	(AB)
E11a	6304	9-5	1205	Wed	461/36	Attention 45355 57487 02587 ... 24242 36169 19223	Attention (message repeated) Out		USB	(AnEur)

E11a	15795	9-5	1625	Wed	976/35 Attention 80018 90183 30473 ... 16592 88687 28744 Attention (message repeated) Out	USB	(AB-G)
E11a	12202	10-5	0845	Thu	151/35 Attention 95194 39655 37485 ... 62545 31404 16091 Attention (message repeated) Out	USB	(AB)
E11a	10356	10-5	1530	Thu	264/34 Attention ...	USB	(AB/BW3-GRC)
E11a	11581	10-5	1925	Thu	551/36 Attention 54726 26800 25456 ... 13663 80687 03054 Attention (message repeated) Out	USB	(AB)
E11a	10429	11-5	0715	Fri	639/36 Attention 17276 46772 08363 ... 97885 23578 17253 Attention (message repeated) Out	USB	(AB)
E11a	9130	12-5	2005	Sat	364/32 Attention 70273 39256 84869 ... 81538 49930 87414 Attention (message repeated) Out	USB	(AB/RL)
E11a	15795	13-5	1625	Sun	976/35 Attention 80018 90183 30473 ... 16592 88687 28744 Attention (message repeated) Out	USB	(MPJ)
E11a	9130	13-5	2005	Sun	364/32 Attention 70273 39256 84869 ... 81538 49930 87414 Attention (message repeated) Out	USB	(AB/RL)
E11a	15800	14-5	0600	Mon	188/21 Attention 65659 69481 42418 ... 73910 01662 56981 Attention (message repeated) Out	USB	(AB)
E11a	8545	14-5	1045	Mon	698/24 Attention 51612 31433 71288 ... 01984 02772 26287 Attention (message repeated) Out	USB	(AB/HFD)
E11a	14410	14-5	1745	Mon	249/35 Attention 86891 96401 11912 ... 14106 61304 87094 Attention (message repeated) Out	USB	(AB/ER-HOL/MPJ)
E11a	13911	15-5	0820	Tue	136/33 Attention 85356 49093 89527 74003 35995 ... 15773 83850 48343 88995 55100 out	USB	(RL)
E11a	4783	15-5	1605	Tue	237/33 Attention 07531 37018 91569 ... 01903 61848 55121	USB	(MPJ)
E11a	14575	15-5	1645	Tue	334/36 Attention 48360 54121 59159 ... 74952 94853 30514	USB	(MPJ-HOL)
E11a	15800	18-5	0600	Fri	188/21 Attention 65659 69481 42418 ... 73910 01662 56981 Attention (message repeated) Out	USB	(AB)
E11a	14940	18-5	1650	Fri	929/31 Attention 70263 48674 03079 ... 94712 20270 05240 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4783	20-5	1605	Sun	237/33 Attention 07531 37018 91569 ... 01903 61848 55121 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14940	20-5	1650	Sun	929/31 Attention 70263 48674 03079 ... 94712 20270 05240 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	14410	20-5	1745	Sun	249/35 Attention 86891 96401 11912 ... 14106 61304 87094 Attention (message repeated) Out	USB	(AB/MPJ/HFD)
E11a	7469	21-5	0450	Mon	414/32 Attention 29779 77443 99575 ... 30285 03965 94428 Attention (message repeated) Out	USB	(AB)
E11a	13537	21-5	1225	Mon	521/31 Attention 15588 94750 58430 ... 79028 69104 98622 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12397	22-5	1000	Tue	306/25 Attention 07181 05259 16709 ... 80258 92772 71703 Attention (message repeated) Out	USB	(AB)
E11a	15720	23-5	0745	Wed	342/33 Attention 66033 66988 88023 ... 50362 40987 62077 Attention (message repeated) Out	USB	(AB)
E11a	6304	23-5	0930	Wed	278/35 Attention 16956 99598 35184 ... 34227 93440 89226 73372 Attention (message repeated) Out	USB	(AB)
E11a	14865	23-5	1705	Wed	393/33 Attention 59401 32213 61877 ... 92877 04342 05789 Attention (message repeated) Out	USB	(AB/MPJ-AUT)
E11a	6304	24-5	0930	Thu	278/35 Attention 16956 99598 35184 ... 34227 93440 89226 73372 Attention (message repeated) Out	USB	(AB)
E11a	8088	24-5	1730	Thu	414/32 Attention 29779 77443 99575 ... 30285 03965 94428 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13537	25-5	1225	Fri	521/31 Attention 15588 94750 58430 ... 79028 69104 98622 Attention (message repeated) Out	USB	(GHn/MPJ)
E11a	14865	26-5	1705	Sat	393/33 Attention 59401 32213 61877 ... 92877 04342 05789. Rpts. Out	USB	(MPJ)
E11a	7600	28-5	1900	Mon	643/36 Attention 03177 33557 22460 ... 37395 12072 76962 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7600	31-5	1900	Thu	643/36 Attention 03177 33557 22460 ... 37395 12072 76962 Attention (message repeated) Out	USB	(AB/MPJ)
E17z	16870	3-5	0800	Thu	674 812 5 56574 41823 97733 35063 69831 812 5 00000	USB	(AB/HFD)
E17z	12850	3-5	0810	Thu	674 812 5 56574 41823 97733 35063 69831 812 5 00000	USB	(AB/HFD)
E17z	16870	10-5	0800	Thu	674 812 5 56574 41823 97733 35063 69831 812 5 00000	USB	(AB)
E17z	12850	10-5	0810	Thu	674 812 5 56574 41823 97733 35063 69831 812 5 00000	USB	(AB)
E17z	16870	17-5	0800	Thu	674 921 5 42997 84116 53718 78927 34694 921 5 00000	USB	(W9SPY)
E17z	12850	17-5	0810	Thu	674 921 5 42997 84116 53718 78927 34694 921 5 00000	USB	(W9SPY)
E17z	16870	24-5	0800	Thu	674 921 5 42997 84116 53718 78927 34694 921 5 00000	USB	(AB)
E17z	12850	24-5	0810	Thu	674 921 5 42997 84116 53718 78927 34694 921 5 00000	USB	(AB)

[illegible]

F03a	6304	17-5	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	17-5	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	11531	18-5	0945	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	11531	18-5	0950	Fri	Polish Intel.	FSK 100/200	(AB)
F03a	8423	21-5	1030	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	8423	21-5	1035	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	21-5	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	21-5	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	12385	22-5	0835	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	22-5	0840	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	22-5	0945	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	11531	22-5	0950	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	22-5	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	22-5	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	8423	23-5	1030	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	8423	23-5	1035	Wed	Polish Intel.	FSK 100/200	(AB)
F03a	12385	24-5	0835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	24-5	0840	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	24-5	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	24-5	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	24-5	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	24-5	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	28-5	1830	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	6304	28-5	1835	Mon	Polish Intel.	FSK 100/200	(AB)
F03a	12385	29-5	1800	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	29-5	1805	Tue	Polish Intel.	FSK 100/200	(AB)
F03a	12385	31-5	1800	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	12385	31-5	1805	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	31-5	1830	Thu	Polish Intel.	FSK 100/200	(AB)
F03a	6304	31-5	1835	Thu	Polish Intel.	FSK 100/200	(AB)
F03b	12424	1-5	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	1-5	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	7670	3-5	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	3-5	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	12424	4-5	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	4-5	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	8-5	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	8-5	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	7670	10-5	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	10-5	0920	Thu	Polish Intel.	FSK 200/400	(AB)

F03b	12424	11-5	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	11-5	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	7670	16-5	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	16-5	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	12424	18-5	0843	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	18-5	0848	Fri	Polish Intel.	FSK 200/400	(AB)
F03b	12424	22-5	0808	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	12424	22-5	0813	Tue	Polish Intel.	FSK 200/400	(AB)
F03b	7670	23-5	0915	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	23-5	0920	Wed	Polish Intel.	FSK 200/400	(AB)
F03b	7670	24-5	0915	Thu	Polish Intel.	FSK 200/400	(AB)
F03b	7670	24-5	0920	Thu	Polish Intel.	FSK 200/400	(AB)
F03c	10210	14-5	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	14-5	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	21-5	0940	Mon	Polish Intel.	FSK 400/960	(AB)
F03c	10210	21-5	0945	Mon	Polish Intel.	FSK 400/960	(AB)
F06	17488	1-5	1500	Tue	Russian diplo/intel. 11166 00052 59873 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15623	1-5	1510	Tue	Russian diplo/intel. 11166 00052 59873 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12226	1-5	1520	Tue	Russian diplo/intel. 11166 00052 59873 01046 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19214	1-5	1650	Tue	Russian diplo/intel. 11166 10053 17935 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	17419	1-5	1700	Tue	Russian diplo/intel. 11166 10053 17935 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	14443	1-5	1710	Tue	Russian diplo/intel. 11166 10053 17935 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	15673	2-5	0610	Wed	Russian diplo/intel. 11166 40122 64821 28071 03359	FSK 200/1000	(AB-KOR)
F06	13361	2-5	0620	Wed	Russian diplo/intel. 11166 40122 64821 28071 03359	FSK 200/1000	(AB-KOR)
F06	14694	2-5	0800	Wed	Russian diplo/intel. 11166 70048 96752 02083 00059 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12223	2-5	0810	Wed	Russian diplo/intel. 11166 70048 96752 02083 00059 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10163	2-5	0820	Wed	Russian diplo/intel. 11166 70048 96752 02083 00059 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	3-5	0610	Thu	Russian diplo/intel. 11166 40122 64821 28071 03359	FSK 200/1000	(AB-KOR)
F06	13361	3-5	0620	Thu	Russian diplo/intel. 11166 40122 64821 28071 03359	FSK 200/1000	(AB-KOR)
F06	16328	3-5	1330	Thu	Russian diplo/intel. 11166 80214 58931 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	3-5	1340	Thu	Russian diplo/intel. 11166 80214 58931 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	3-5	1350	Thu	Russian diplo/intel. 11166 80214 58931 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13598	5-5	1100	Sat	Russian diplo/intel. Header: 11166 50046 36987 04037 00789	FSK 200/1000	(AB)
F06	11524	5-5	1110	Sat	Russian diplo/intel. Header: 11166 50046 36987 04037 00789	FSK 200/1000	(AB)
F06	9479	5-5	1120	Sat	Russian diplo/intel. Header: 11166 50046 36987 04037 00789	FSK 200/1000	(AB)
F06	18751	5-5	2100	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16174	5-5	2110	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	14563	5-5	2120	Sat	Russian diplo/intel. 11166 40133 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19323	6-5	1521	Sun	Russian diplo/intel. Test: 464646464644646464646464646446	FSK 200/1000	(AB-RUS)
F06	19323	6-5	1530	Sun	Russian diplo/intel. 11166 10053 24680 06063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	17536	6-5	1540	Sun	Russian diplo/intel. 11166 10053 24680 06063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	14356	6-5	1550	Sun	Russian diplo/intel. 11166 10053 24680 06063 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	11414	7-5	0400	Mon	Russian diplo/intel. 11166 70059 13579 07020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10169	7-5	0410	Mon	Russian diplo/intel. 11166 70059 13579 07020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8169	7-5	0420	Mon	Russian diplo/intel. 11166 70059 13579 07020 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17488	8-5	1500	Tue	Russian diplo/intel. 11166 00052 69172 08057 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15623	8-5	1510	Tue	Russian diplo/intel. 11166 00052 69172 08057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12226	8-5	1520	Tue	Russian diplo/intel. 11166 00052 69172 08057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19214	8-5	1650	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17419	8-5	1700	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14443	8-5	1710	Tue	Russian diplo/intel. 11166 10053 13579 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	9-5	0610	Wed	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-CHN)
F06	17420	9-5	0610	Wed	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-CHN)
F06	13361	9-5	0620	Wed	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-CHN)
F06	14694	9-5	0800	Wed	Russian diplo/intel. 11166 70048 84153 09034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17488	9-5	0800	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB-RUS)
F06	12223	9-5	0810	Wed	Russian diplo/intel. 11166 70048 84153 09034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15823	9-5	0810	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	10163	9-5	0820	Wed	Russian diplo/intel. 11166 70048 84153 09034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13459	9-5	0820	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	14638	9-5	0915	Wed	Russian diplo/intel. 11166 10031 91735 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12156	9-5	0925	Wed	Russian diplo/intel. 11166 10031 91735 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	9-5	0935	Wed	Russian diplo/intel. 11166 10031 91735 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	10-5	0610	Thu	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-KOR)
F06	17420	10-5	0610	Thu	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-KOR)
F06	13361	10-5	0620	Thu	Russian diplo/intel. Headers: 11166 40122 75391 05072 03039 and 11166 40122 30784 05073 02359	FSK 200/1000	(AB-KOR)
F06	17488	10-5	0800	Thu	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	15823	10-5	0810	Thu	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	13459	10-5	0820	Thu	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	16328	10-5	1330	Thu	Russian diplo/intel. 11166 80214 58931 10084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14358	10-5	1340	Thu	Russian diplo/intel. 11166 80214 58931 10084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11146	10-5	1350	Thu	Russian diplo/intel. 11166 80214 58931 10084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11645	12-5	0800	Sat	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)
F06	9494	12-5	0810	Sat	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)

F06	7655	12-5	0820	Sat	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)
F06	17426	12-5	0900	Sat	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	15818	12-5	0910	Sat	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	13396	12-5	0920	Sat	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	13598	12-5	1100	Sat	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	11524	12-5	1110	Sat	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	9479	12-5	1120	Sat	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	18751	12-5	2050	Sat	Russian diplo/intel. Test: 46464646464646464646464646464646	FSK 200/1000	(AB-RUS)
F06	18751	12-5	2100	Sat	Russian diplo/intel. 11166 40133 56248 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16174	12-5	2110	Sat	Russian diplo/intel. 11166 40133 56248 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14563	12-5	2120	Sat	Russian diplo/intel. 11166 40133 56248 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11645	13-5	0800	Sun	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)
F06	9494	13-5	0810	Sun	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)
F06	7655	13-5	0820	Sun	Russian diplo/intel. Header: 11166 70147 76513 11081 00829	FSK 200/1000	(AB)
F06	17426	13-5	0900	Sun	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	15818	13-5	0910	Sun	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	13396	13-5	0920	Sun	Russian diplo/intel. Header: 11166 70004 39875 11007 00679	FSK 200/1000	(AB)
F06	13598	13-5	1100	Sun	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	11524	13-5	1110	Sun	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	9479	13-5	1120	Sun	Russian diplo/intel. Header: 11166 50046 91732 11038 01029	FSK 200/1000	(AB)
F06	19323	13-5	1530	Sun	Russian diplo/intel. 11166 10053 17935 13063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	17536	13-5	1540	Sun	Russian diplo/intel. 11166 10053 17935 13063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14356	13-5	1550	Sun	Russian diplo/intel. 11166 10053 17935 13063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10548	15-5	0030	Tue	Russian diplo/intel. 11166 60070 60070 15012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9144	15-5	0040	Tue	Russian diplo/intel. 11166 60070 60070 15012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7978	15-5	0050	Tue	Russian diplo/intel. 11166 60070 60070 15012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17488	15-5	1500	Tue	Russian diplo/intel. 11166 00052 59873 15894 00049 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15623	15-5	1510	Tue	Russian diplo/intel. 11166 00052 59873 15894 00049 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12226	15-5	1520	Tue	Russian diplo/intel. 11166 00052 59873 15894 00049 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19214	15-5	1650	Tue	Russian diplo/intel. Header: 11166 10053 96725 15067 01749	FSK 200/1000	(AB/MPJ)
F06	17419	15-5	1700	Tue	Russian diplo/intel. Header: 11166 10053 96725 15067 01749	FSK 200/1000	(AB/MPJ)
F06	14443	15-5	1710	Tue	Russian diplo/intel. Header: 11166 10053 96725 15067 01749	FSK 200/1000	(AB/MPJ)
F06	14694	16-5	0800	Wed	Russian diplo/intel. 11166 70048 82653 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12223	16-5	0810	Wed	Russian diplo/intel. 11166 70048 82653 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10163	16-5	0820	Wed	Russian diplo/intel. 11166 70048 82653 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16328	17-5	1330	Thu	Russian diplo/intel. 11166 80214 82465 17063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14358	17-5	1340	Thu	Russian diplo/intel. 11166 80214 82465 17063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11146	17-5	1350	Thu	Russian diplo/intel. 11166 80214 82465 17063 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13598	19-5	1100	Sat	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)
F06	11524	19-5	1110	Sat	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)

F06	9479	19-5	1120	Sat	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)
F06	18751	19-5	2100	Sat	Russian diplo/intel. 11166 40133 15987 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16174	19-5	2110	Sat	Russian diplo/intel. 11166 40133 15987 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14563	19-5	2120	Sat	Russian diplo/intel. 11166 40133 15987 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13598	20-5	1100	Sun	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)
F06	11524	20-5	1110	Sun	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)
F06	9479	20-5	1120	Sun	Russian diplo/intel. Header: 11166 50046 42791 18039 01249	FSK 200/1000	(AB/MPJ)
F06	19323	20-5	1530	Sun	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB/MPJ-RUS)
F06	17536	20-5	1540	Sun	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB/MPJ-RUS)
F06	14356	20-5	1550	Sun	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB/MPJ-RUS)
F06	11414	21-5	0400	Mon	Russian diplo/intel. 11166 70059 45789 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10169	21-5	0410	Mon	Russian diplo/intel. 11166 70059 45789 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8169	21-5	0420	Mon	Russian diplo/intel. 11166 70059 45789 21014 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19323	21-5	1530	Mon	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB-RUS/MPJ)
F06	17536	21-5	1540	Mon	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB-RUS/MPJ)
F06	14356	21-5	1550	Mon	Russian diplo/intel. 11166 10053 36987 16063 01609	FSK 200/1000	(AB/MPJ)
F06	10548	22-5	0030	Tue	Russian diplo/intel. 11166 60070 35297 22074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9144	22-5	0040	Tue	Russian diplo/intel. 11166 60070 35297 22074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7978	22-5	0050	Tue	Russian diplo/intel. 11166 60070 35297 22074 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17488	22-5	1500	Tue	Russian diplo/intel. 11166 00052 45678 22088 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	15623	22-5	1510	Tue	Russian diplo/intel. 11166 00052 45678 22088 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12226	22-5	1520	Tue	Russian diplo/intel. 11166 00052 45678 22088 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	19214	22-5	1650	Tue	Russian diplo/intel. 11166 10053 36987 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17419	22-5	1700	Tue	Russian diplo/intel. 11166 10053 36987 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14443	22-5	1710	Tue	Russian diplo/intel. 11166 10053 36987 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	23-5	0610	Wed	Russian diplo/intel. Header: 11166 40122 75392 19074 03799	FSK 200/1000	(AB-J)
F06	17420	23-5	0610	Wed	Russian diplo/intel. Header: 11166 40122 75392 19074 03799	FSK 200/1000	(AB-J)
F06	13361	23-5	0620	Wed	Russian diplo/intel. Header: 11166 40122 75392 19074 03799	FSK 200/1000	(AB-J)
F06	14694	23-5	0800	Wed	Russian diplo/intel. 11166 70048 74829 23062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17488	23-5	0800	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB-RUS)
F06	12223	23-5	0810	Wed	Russian diplo/intel. 11166 70048 74829 23062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15823	23-5	0810	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	10163	23-5	0820	Wed	Russian diplo/intel. 11166 70048 74829 23062 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13459	23-5	0820	Wed	Russian diplo/intel. Header: 11166 00052 17543 08028 01889	FSK 200/1000	(AB)
F06	14638	23-5	0905	Wed	Russian diplo/intel. Test: 464646464646464646464646464646	FSK 200/1000	(AB)
F06	14638	23-5	0915	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12156	23-5	0925	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10164	23-5	0935	Wed	Russian diplo/intel. 11166 10031 13579 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15673	24-5	0610	Thu	Russian diplo/intel. Header: 11166 40122 75392 19074 03799	FSK 200/1000	(AB-J)
F06	13361	24-5	0620	Thu	Russian diplo/intel. Header: 11166 40122 75392 19074 03799	FSK 200/1000	(AB-J)

[illegible]

F11	6280	9-5	1150	Wed	0325 88888 88888 45355 57487 02587 ... 24242 36169 19223 88888 88888 00040 00040	FSK 100/620	(AnEur)
F11	6280	9-5	1155	Wed	0325 88888 88888 45355 57487 02587 ... 24242 36169 19223 88888 88888 00040 00040	FSK 100/620	(AnEur)
F11	13424	14-5	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	14-5	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	15-5	0845	Tue	0353 00000	FSK 100/620	(AB)
F11	13424	15-5	0850	Tue	0353 00000	FSK 100/620	(AB)
F11	6280	15-5	1150	Tue	0325 00000	FSK 100/620	(MPJ)
F11	6280	15-5	1155	Tue	0325 00000	FSK 100/620	(MPJ)
F11	6280	16-5	1150	Wed	0325 00000	FSK 100/620	(AB/MPJ)
F11	6280	16-5	1155	Wed	0325 00000	FSK 100/620	(AB/MPJ)
F11	13424	21-5	0845	Mon	0353 00000	FSK 100/620	(AB)
F11	13424	21-5	0850	Mon	0353 00000	FSK 100/620	(AB)
F11	6280	22-5	1150	Tue	0325 00000	FSK 100/620	(AB)
F11	6280	22-5	1155	Tue	0325 00000	FSK 100/620	(AB/MPJ)
F11	13424	23-5	0845	Wed	0353 00000	FSK 100/620	(AB)
F11	13424	23-5	0850	Wed	0353 00000	FSK 100/620	(AB)
F11	6280	23-5	1150	Wed	0325 00000	FSK 100/620	(AB/MPJ)
F11	6280	23-5	1155	Wed	0325 00000	FSK 100/620	(AB)
F11	6280	29-5	1150	Tue	0325 00000	FSK 100/620	(MPJ)
F11	6280	29-5	1155	Tue	0325 00000	FSK 100/620	(MPJ)
F11	6280	30-5	1150	Wed	0325 00000	FSK 100/620	(MPJ)
F11	6280	30-5	1155	Wed	0325 00000	FSK 100/620	(MPJ)
G06	7320	7-5	0759	Mon	329 329 329 00000 Early start	USB	(AB/HFD)
G06	4935	7-5	1800	Mon	938 938 938 00000 Windows shut down sound	USB	(AB/HFD)
G06	5890	10-5	1300	Thu	329 329 329 00000	USN	(AB)
G06	6887	10-5	1830	Thu	842 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/HFD)
G06	5935	11-5	1930	Fri	218 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/GHn/HFD)
G06	5287	14-5	1700	Mon	938 938 938 00000	USB	(AB/MPJ/HFD)
G06	4935	14-5	1800	Mon	938 938 938 00000	USB	(AB/ER- HOL/MPJ/HFD)
G06	6978	16-5	1200	Wed	938 938 938 00000	USB	(MPJ)
G06	7423	16-5	1300	Wed	938 938 938 00000	USB	(AB/MPJ)
G06	7320	21-5	0759	Mon	3 followed by Windows sounds. Restart at 0801 UTC: 329 329 329 00000 Windows shut down sound	UAB	(AB)
G06	5890	24-5	1259	Thu	329 329 329 00000. Windows shut down sound	USB	(AB-POL/MPJ)
G06	6887	24-5	1830	Thu	842 273 62 64537 27364 ... 64612 84759 76491 273 62 00000	USB	(AB/MPJ)
G06	5953	25-5	1930	Fri	218 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB)
HM01	11435	1-5	1557	Tue	84871 64914 32032 11348 03537 43008	AM/RDFT	(RR2)
HM01	9240	2-5	0856	Wed	84871 64914 32032 11348 03537 43008	AM/RDFT	(AB)
HM01	11435	2-5	1603	Wed	84872 64915 32033 11349 03538 43009	AM/RDFT	(RR2)
HM01	11462	3-5	0854	Thu	84872 64915 32033 11349 03538 43009	AM/RDFT	(AB)

HM01	11435	3-5	1559	Thu	84873 64916 32034 46331 03539 60521	AM/RDFT	(RR2)
HM01	11530	3-5	1720	Thu	84873 64916 32034 46331 03539 60521	AM/RDFT	(BW3)
HM01	9330	4-5	0655	Fri	84873 64916 32034 46331 03539 60521	AM/RDFT	(AB)
HM01	11435	4-5	1559	Fri	84874 64917 32035 46331 03361 60521	AM/RDFT	(RR2/BW3)
HM01	11435	5-5	1558	Sat	84875 64918 32036 46332 03361 60522	AM/RDFT	(RR2)
HM01	11635	5-5	1808	Sat	i.p. 84875 64918 32036 46332 03361 60522	AM/RDFT	(BW3)
HM01	17480	5-5	2200	Sat	i.p. 84875 64918 32036 46332 03361 60522	AM/RDFT	(Dan)
HM01	11435	6-5	1600	Sun	84876 64919 32037 46333 03362 60523	AM/RDFT	(RR2)
HM01	10715	6-5	2230	Sun	i.p. 84876 64919 32037 46333 03362 60523	AM/RDFT	(BW3)
HM01	11435	7-5	1558	Mon	84877 75571 32038 46334 03363 60524	AM/RDFT	(RR2)
HM01	11435	8-5	1555	Tue	84878 75571 15431 46335 03364 60525	AM/RDFT	(RR2)
HM01	9330	9-5	0731	Wed	i.p. 84879 75572 15431 46336 03365 60526	AM/RDFT	(EW)
HM01	11435	9-5	1628	Wed	i.p. 84879 75572 15431 46336 03365 60526	AM/RDFT	(RR2)
HM01	13435	10-5	0656	Thu	84879 75572 15431 46336 03365 60526	AM/RDFT	(AB)
HM01	11635	10-5	0756	Thu	84879 75572 15431 46336 03365 60526	AM/RDFT	(AB)
HM01	11435	10-5	1554	Thu	07221 75573 15432 46337 03366 60527	AM/RDFT	(RR2/BW3)
HM01	9330	11-5	0655	Fri	07221 75573 15432 46337 03366 60527	AM/RDFT	(AB)
HM01	11435	11-5	1554	Fri	07221 75574 15433 46338 03367 60528	AM/RDFT	(RR2/BW3)
HM01	11635	11-5	2057	Fri	07221 75574 15433 46338 03367 60528	AM/RDFT	(BW3-GRC)
HM01	10715	11-5	2157	Fri	07221 75574 15433 46338 03367 60528	AM/RDFT	(LA6LU)
HM01	11435	12-5	1557	Sat	07222 75575 15434 43621 03368 60529	AM/RDFT	(AB)
HM01	9330	13-5	0655	Sun	07222 75575 15434 43621 03368 60529	AM/RDFT	(AB)
HM01	9065	13-5	0755	Sun	07222 75575 15434 43621 03368 60529	AM/RDFT	(AB)
HM01	9240	13-5	0755	Sun	07222 75575 15434 43621 03368 60529	AM/RDFT	(AB)
HM01	11435	13-5	1555	Sun	07223 75576 15435 43621 03369 85741	AM/RDFT	(AB)
HM01	11435	14-5	1554	Mon	07224 75577 15436 43622 37621 85741	AM/RDFT	(AB)
HM01	11435	15-5	1554	Tue	07225 38351 15437 43623 37621 85742	AM/RDFT	(RR2)
HM01	11635	15-5	1554	Tue	07225 38351 15437 43623 37621 85742	AM/RDFT	(BW3)
HM01	17480	15-5	2157	Tue	07225 38351 15437 43623 37621 85742	AM/RDFT	(BW3)
HM01	11435	16-5	1558	Wed	07226 38351 15438 43624 37622 85743	AM/RDFT	(RR2)
HM01	11635	16-5	1754	Wed	07226 38351 15438 43624 37622 85743	AM/RDFT	(BW3)
HM01	11435	17-5	1558	Thu	07227 38352 58431 43625 37623 85744	AM/RDFT	(RR2)
HM01	11530	18-5	1701	Fri	31031 38353 58431 43626 37624 85745	AM/RDFT	(RR2)
HM01	10715	18-5	2134	Fri	31031 38353 58431 43626 37624 85745	AM/RDFT	(BW3)
HM01	11435	19-5	1555	Sat	31031 38354 58432 43627 37625 85746	AM/RDFT	(RR2)
HM01	6165	20-5	0502	Sun	Radio Habana Cuba's English service got cut off after 2 minutes and was replaced by HM01.	AM/RDFT	(CM2)
HM01	10345	20-5	0556	Sun	31031 38354 58432 43627 37625 85746	AM/RDFT	(AB)
HM01	9330	20-5	0656	Sun	31031 38354 58432 43627 37625 85746	AM/RDFT	(AB)
HM01	9065	20-5	0806	Sun	i.p. 31031 38354 58432 43627 37625 85746	AM/RDFT	(AB)
HM01	11435	20-5	1555	Sun	31032 38355 58433 04061 37626 85747	AM/RDFT	(RR2)

HM01	10345	21-5	0554	Mon	31032 38355 58433 04061 37626 85747	AM/RDFT	(AB)
HM01	9065	21-5	0754	Mon	31032 38355 58433 04061 37626 85747	AM/RDFT	(AB)
HM01	9240	21-5	0856	Mon	31032 38355 58433 04061 37626 85747	AM/RDFT	(AB)
HM01	11435	21-5	1556	Mon	31033 94630 58434 04061 37627 22181	AM/RDFT	(RR2)
HM01	11435	22-5	1556	Tue	31034 94631 58435 04062 37628 22181	AM/RDFT	(RR2/BW3)
HM01	11530	22-5	1657	Tue	31034 94631 58435 04062 37628 22181	AM/RDFT	(AB-ATN)
HM01	11435	23-5	1556	Wed	31035 94632 58436 04063 37629 22182	AM/RDFT	(RR2/ER)
HM01	11462	24-5	0459	Thu	31035 94632 58436 04063 37629 22182. Late start	AM/RDFT	(AB)
HM01	11435	24-5	1553	Thu	31036 94633 58437 04064 32811 22183	AM/RDFT	(RR2/BW3)
HM01	11435	25-5	1555	Fri	31037 94634 58438 04065 32811 22184	AM/RDFT	(RR2)
HM01	11435	26-5	1558	Sat	31038 94635 58439 04066 32812 22185	AM/RDFT	(RR2)
HM01	16180	26-5	2107	Sat	i.p. 31038 94635 58439 04066 32812 22185	AM/RDFT	(AB)
HM01	11435	27-5	1555	Sun	74051 94636 08681 04067 32813 22186	AM/RDFT	(RR2)
HM01	11435	28-5	1554	Mon	74051 94637 08681 04068 32814 22187	AM/RDFT	(RR2)
HM01	11435	29-5	1553	Tue	74052 13061 08682 87581 32815 57441	AM/RDFT	(RR2)
HM01	11435	30-5	1557	Wed	74053 13061 08683 87581 32816 57441	AM/RDFT	(RR2)
HM01	11435	31-5	1554	Thu	74054 13062 08684 87582 32817 57442	AM/RDFT	(RR2)
HM01	11635	31-5	1840	Thu	74054 13062 08684 87582 32817 57442	AM/RDFT	(Josh)
M01	5280	1-5	1800	Tue	025 860 8888886 Es 860 860 30 30 = = 96554 96554 42275 ... 75639 40542 29651 = = 860 860 30 30 000	CW	(MPJ/HFD)
M01	4905	1-5	2000	Tue	025 884 30 = 76?75	CW	(HFD)
M01	5280	3-5	1800	Thu	025 133 133 30 30 = = 72231 71370 71073 ... 46563 37219 19352 = = 133 133 30 30 000	CW	(AB/MPJ)
M01	6435	5-5	1456	Sat	VVV VVV VVV. At 1500z: 025 110 110 30 30 = = 49248 22061 56762 ... 19053 58711 60216 = 110 110 30 30 000	CW	(AB)
M01	5280	8-5	1800	Tue	i.p. As sent: 913 5925559255 41099 41099 825468254 419915 764674 20771075813358133 115631163833923 ... 038910811266912669 = = 728 728 30 30 000	CW	(AB-FIN)
M01	6435	12-5	1456	Sat	As sent: 025 415 451 30 30 2840428404 7499275992 4699246992 ... 5150451504 = = 451 451 000	CW	(AB)
M01	6788	13-5	0700	Sun	025 454 454 30 30 = = 10315 23156 36097 ... 62003 28335 47794 = = 454 454 30 000	CW	(AB)
M01	5280	15-5	1800	Tue	025 137 = 30 137 = 30 94829 54565 90228 ... 29332? 25943? 20967? 137 = 30 137 3 = 30 0000 (Postamble as sent)	CW	(MPJ)
M01	5280	17-5	1800	Thu	025 932 932 30 30 = = 58828 85902 11649 ... 47318 69035 51772 = = 932 932 30 30 000. Errors in text	CW	(MPJ)
M01	6435	19-5	1500	Sat	025 140 140 30 30 = = 25876 30487 71768 ... 90916 07484 63197 = = 140 140 30 30 000	CW	(MPJ/HFD)
M01	6788	20-5	0700	Sun	025 301 301 30 30 = = 018020 1802 0731807318 ... 045100451 182848283 2310823108 = = 301301 3030 000	CW	(AB)
M01	5280	22-5	1800	Tue	025 159 159 = = 30 30 = = 29505 42626 03773 ... 49162 63669 43666 = = 159 159 = = 30 30 00000	CW	(AB-RUS/MPJ)
M01	5280	24-5	1800	Thu	025 234 234 30 30 = = 22322 03844 88591 (?) ... 41607 30944 87657 = = 234 234 30 30 000	CW	(MPJ)
M01	6435	26-5	1500	Sat	025 997 997 997 Es 30 30 = = 53758 70720 09117 ... 97758 81185 60473 = = 997 997 30 30 00 0	CW	(MPJ)
M01	5280	29-5	1800	Tue	025 112 112 30 30 = = ...59 06.23 98206 ...	CW	(MPJ)
M01	5280	31-5	1800	Thu	025 143 143 30 30 (GRs long zeros) 98662 43444 84017 ... 47342 49078 13306 = = 143 143 30 30 (short 0s) 000	CW	(MPJ)
M01b	5065	3-5	1942	Thu	936 937 31 = 33025 //5805	CW	(HFD)

M01b	5805	3-5	1942	Thu	936 937 31 = 33025 //5065	CW	(HFD)
M01b	5075	4-5	1902	Fri	336 937 31 = 33025 //5465	CW	(HFD)
M01b	5465	4-5	1902	Fri	336 967 31 = = 33056 63189 35986 (?) ... 24836 01345 96241 = = 967 31 000	MCW	(MPJ)
M01b	5465	4-5	1902	Fri	336 937 31 = 33025 //5075	CW	(HFD)
M01b	4895	4-5	2010	Fri	467 937 31 = 33025 //5340	CW	(HFD)
M01b	5340	4-5	2010	Fri	467 937 31 33025 //4895	CW	(HFD)
M01b	5125	7-5	1810	Mon	364 937 31 = 33025	CW	(HFD/MPJ)
M01b	5150	7-5	1915	Mon	858 937 31 = 33025 //5475	CW	(HFD)
M01b	5475	7-5	1915	Mon	858 937 31 = 33025 //5150	CW	(HFD)
M01b	5095	10-5	1832	Thu	815 937 31 = 33025 //5760	CW	(HFD)
M01b	5760	10-5	1832	Thu	815-937/31 = 33025 //5095	CW	(HFD)
M01b	5150	14-5	1915	Mon	858 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	14-5	1915	Mon	858 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5150 kHz	MCW	(MPJ)
M01b	5095	17-5	1832	Thu	(Callup missed-prob 815) Traffic very poor copy but usual monthly message for May	MCW	(MPJ)
M01b	5075	18-5	1902	Fri	336 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	18-5	1902	Fri	336 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5075 kHz	MCW	(MPJ)
M01b	5125	21-5	1810	Mon	364 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5735 kHz	MCW	(MPJ-NOR)
M01b	5735	21-5	1810	Mon	364 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5125 kHz	MCW	(MPJ-NOR)
M01b	5095	24-5	1832	Thu	Carrier present. Note absent/inaudible.	MCW	(MPJ)
M01b	5075	25-5	1902	Fri	336 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5465 kHz	MCW	(MPJ)
M01b	5465	25-5	1902	Fri	336 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5075 kHz	MCW	(MPJ)
M01b	5150	28-5	1915	Mon	858 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5475 kHz	MCW	(MPJ)
M01b	5475	28-5	1915	Mon	858 937 31 = = 33025 64188 45896 ... 24836 01346 96341 = = 937 31 000 //5150 kHz	MCW	(MPJ)
M12	17451	2-5	1400	Wed	494 494 494 000	CW	(MPJ/HFD)
M12	15951	2-5	1420	Wed	494 494 494 000	CW	(MPJ/HFD)
M12	9241	2-5	2100	Wed	258 258 258 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB/HFD)
M12	7541	2-5	2120	Wed	258 258 258 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB/HFD)
M12	6841	2-5	2140	Wed	258 258 258 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB/HFD)
M12	13926	3-5	1310	Thu	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(AB/MPJ/HFD)
M12	12126	3-5	1330	Thu	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(AB/MPJ/HFD)
M12	10926	3-5	1350	Thu	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(AB/MPJ/HFD)
M12	12114	3-5	1700	Thu	317 1	CW	(HFD)
M12	14377	3-5	1700	Thu	317 1	CW	(HFD)
M12	13461	3-5	1720	Thu	317 1	CW	(HFD)
M12	10343	3-5	1900	Thu	124 1	CW	(HFD)
M12	9264	3-5	1920	Thu	124 1	CW	(HFD)
M12	8116	3-5	1940	Thu	124:1	CW	(HFD)
M12	16194	4-5	1950	Fri	173 173 173 000	CW	(AB/HFD)
M12	14794	4-5	2010	Fri	173 173 173 000	CW	(AB/HFD)
M12	9167	5-5	0500	Sat	125 125 125 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB)

M12	10267	5-5	0520	Sat	125 125 125 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB)
M12	11567	5-5	0540	Sat	125 125 125 1 8307 165 8307 165 67775 36507 48119 ... 53983 10436 67211 000 000	CW	(AB)
M12	13926	5-5	1310	Sat	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(MPJ)
M12	12126	5-5	1330	Sat	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(MPJ)
M12	10926	5-5	1350	Sat	919 919 919 1 9890 49 9890 49 56553 47145 06454 ... 58758 60601 20615 000 000	CW	(MPJ)
M12	17451	7-5	1400	Mon	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB-RUS-MPJ)
M12	15951	7-5	1420	Mon	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB-RUS-MPJ)
M12	14451	7-5	1440	Mon	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB-RUS-MPJ)
M12	10343	7-5	2000	Mon	124 1	CW	(HFD)
M12	9264	7-5	2020	Mon	124 1	CW	(HFD)
M12	17451	9-5	1400	Wed	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB)
M12	15951	9-5	1420	Wed	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB)
M12	14451	9-5	1440	Wed	494 494 494 1 964 77 964 77 21311 86085 56935 ... 81853 23841 31333 000 000	CW	(AB)
M12	16194	9-5	1950	Wed	173 173 173 000	CW	(AB)
M12	14794	9-5	2010	Wed	173 173 173 000	CW	(AB)
M12	9241	9-5	2100	Wed	258 258 258 000	CW	(AB/RL)
M12	7541	9-5	2120	Wed	258 258 258 000	CW	(AB)
M12	12193	10-5	0500	Thu	122 122 122 000	CW	(AB-J)
M12	10233	10-5	0520	Thu	122 122 122 000	CW	(AB-J)
M12	16194	11-5	1950	Fri	173 173 173 000	CW	(AB)
M12	14794	11-5	2010	Fri	173 173 173 000	CW	(AB/LA6LU)
M12	9167	12-5	0500	Sat	125 125 125 000	CW	(AB)
M12	10267	12-5	0520	Sat	125 125 125 000	CW	(AB)
M12	13926	12-5	1310	Sat	919 919 919 000	CW	(AB)
M12	12126	12-5	1330	Sat	919 919 919 000	CW	(AB)
M12	17451	14-5	1400	Mon	494 494 494 000	CW	(AB/MPJ)
M12	15951	14-5	1420	Mon	494 494 494 000	CW	(AB/MPJ)
M12	8047	14-5	1800	Mon	463:1	CW	(HFD)
M12	6802	14-5	1820	Mon	463 1	CW	(HFD)
M12	5788	14-5	1840	Mon	463 1	CW	(HFD)
M12	10343	14-5	2000	Mon	124 124 124 1 9384 110 9084 110 54431 71824 69400 ... 73958 01357 80033 000 000	CW	(AnEur)
M12	9264	14-5	2020	Mon	124 124 124 1 9384 110 9084 110 54431 71824 69400 ... 73958 01357 80033 000 000	CW	(AnEur)
M12	8116	14-5	2040	Mon	124 124 124 1 9384 110 9084 110 54431 71824 69400 ... 73958 01357 80033 000 000	CW	(AnEur)
M12	17451	16-5	1400	Wed	494 494 494 000	CW	(MPJ)
M12	15951	16-5	1420	Wed	494 494 494 000	CW	(MPJ)
M12	16194	16-5	1950	Wed	173 173 173 000	CW	(AB)
M12	14794	16-5	2010	Wed	173 173 173 000	CW	(AB/RL)
M12	9241	16-5	2100	Wed	258 258 258 1 6792 141 6792 141 56768 42327 36952 ... 71327 16707 78076 000 000	CW	(AB)
M12	7541	16-5	2120	Wed	258 258 258 1 6792 141 6792 141 56768 42327 36952 ... 71327 16707 78076 000 000	CW	(AB)
M12	6841	16-5	2140	Wed	258 258 258 1 6792 141 6792 141 56768 42327 36952 ... 71327 16707 78076 000 000	CW	(AB)

M12	13926	17-5	1310	Thu	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	12126	17-5	1330	Thu	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	10926	17-5	1350	Thu	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	13381	17-5	2110	Thu	317 317 317 000	CW	(AB)
M12	16194	18-5	1950	Fri	173 173 173 000	CW	(AB)
M12	14794	18-5	2010	Fri	173 173 173 000	CW	(AB)
M12	9167	19-5	0500	Sat	125 125 125 1 6792 141 6792 141 56768 42327 36952 ... 37953 71327 16707 78076 000 000	CW	(AB)
M12	10267	19-5	0520	Sat	125 125 125 1 6792 141 6792 141 56768 42327 36952 ... 37953 71327 16707 78076 000 000	CW	(AB)
M12	11567	19-5	0540	Sat	125 125 125 1 6792 141 6792 141 56768 42327 36952 ... 37953 71327 16707 78076 000 000	CW	(AB)
M12	13926	19-5	1310	Sat	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	12126	19-5	1330	Sat	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	10926	19-5	1350	Sat	919 919 919 1 6600 55 6600 55 33658 99053 07449 ... 49856 09226 46517 000 000	CW	(AB/MPJ)
M12	17451	21-5	1400	Mon	494 494 494 000	CW	(AB/MPJ)
M12	15951	21-5	1420	Mon	494 494 494 000	CW	(AB/MPJ)
M12	10343	21-5	2000	Mon	124 124 124 1 9264 110 9264 110 64829 18535 88269 ... 60021 93127 31491 000 000	CW	(AB)
M12	9264	21-5	2020	Mon	124 124 124 1 9264 110 9264 110 64829 18535 88269 ... 60021 93127 31491 000 000	CW	(AB)
M12	8116	21-5	2040	Mon	124 124 124 1 9264 110 9264 110 64829 18535 88269 ... 60021 93127 31491 000 000	CW	(AB)
M12	11093	22-5	0520	Tue	122 122 122 000	CW	(AB-J)
M12	17451	23-5	1400	Wed	494 494 494 000	CW	(AB/MPJ)
M12	15951	23-5	1420	Wed	494 494 494 000	CW	(AB/MPJ)
M12	16194	23-5	1950	Wed	173 173 173 000	CW	(AB)
M12	14794	23-5	2010	Wed	173 173 173 000	CW	(AB)
M12	9241	23-5	2100	Wed	258 258 258 1 6810 69 6810 69 88750 32698 40863 ... 14261 35804 24182 000 000	CW	(AB)
M12	7541	23-5	2120	Wed	258 258 258 1 6810 69 6810 69 88750 32698 40863 ... 14261 35804 24182 000 000	CW	(AB)
M12	6841	23-5	2140	Wed	258 258 258 1 6810 69 6810 69 88750 32698 40863 ... 14261 35804 24182 000 000	CW	(AB)
M12	13381	24-5	2110	Thu	317 317 317 000	CW	(AB)
M12	12181	24-5	2130	Thu	317 317 317 000	CW	(AB)
M12	16194	25-5	1950	Fri	173 173 173 000	CW	(AB)
M12	14794	25-5	2010	Fri	173 173 173 000	CW	(AB)
M12	17451	28-5	1400	Mon	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(MPJ)
M12	15951	28-5	1420	Mon	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(MPJ)
M12	14451	28-5	1440	Mon	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(MPJ)
M12	10343	28-5	2000	Mon	124 124 124 1 5295 107 5295 107 88666 30564 71388 ... 39330 47237 48662 000 000	CW	(AB)
M12	9264	28-5	2020	Mon	124 124 124 1 5295 107 5295 107 88666 30564 71388 ... 39330 47237 48662 000 000	CW	(AB)
M12	8116	28-5	2040	Mon	124 124 124 1 5295 107 5295 107 88666 30564 71388 ... 39330 47237 48662 000 000	CW	(AB)
M12	17451	30-5	1400	Wed	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(AB/MPJ)
M12	15951	30-5	1420	Wed	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(AB/MPJ)
M12	14451	30-5	1440	Wed	494 1 502 133 16230 43224 45482 ... 31294 32760 51835 000 000	CW	(AB/MPJ)
M12	16194	30-5	1950	Wed	173 173 173 000	CW	(AB)
M12	14794	30-5	2010	Wed	173 173 173 000	CW	(AB)

M12	9241	30-5	2100	Wed	258 258 258 000	CW	(AB)
M12	7541	30-5	2120	Wed	258 258 258 000	CW	(AB)
M12	13381	31-5	2110	Thu	317 317 317 000	CW	(AB)
M12	12181	31-5	2130	Thu	317 317 317 000	CW	(AB)
M14	4730	5-5	0800	Sat	523 273 273 55 55 == 74653 26354 93746 ... 52132 48736 91023 == 273 273 55 55 00000	MCW	(AB-RUS)
M14	4650	5-5	0900	Sat	523 273 273 55 55 == 74653 26354 93746 ... 52132 48736 91023 == 273 273 55 55 00000	MCW	(AB-RUS)
M14	18041	7-5	0500	Mon	952 743 743 50 50 == 74026 28357 29000 ... 90925 94211 400132 == 743 743 50 50 00000	CW	(AB-CHN)
M14	18041	7-5	0500	Mon	952 743 30 79026	CW	(HFD-CHN)
M14	18041	8-5	0500	Tue	52 952 106 106 55 55 == 78060 99769 43897 22350 28224 ...	CW	(AB)
M14	18041	10-5	0500	Thu	952 738 738 50 50 == 50634 28337 58406 ... 59912 19773 84733 == 738 738 50 50 00000	CW	(AB-KOR)
M14	16347	10-5	0930	Thu	617 617 617 00000	CW	(AB/HFD)
M14	18041	11-5	0500	Fri	952 104 104 55 55 == 09437 00177 50819 ... 89824 93238 14997 == 104 104 55 55 00000	CW	(AB-KOR)
M14	18041	14-5	0500	Mon	952 38 638 50 50 == 52408 32011 00243 ... 31785 22577 02404 = 638 638 50 50 00000	CW	(AB-KOR)
M14	18041	16-5	0502	Wed	Late start. 952 630 630 55 55 == 42303 02311 24501 ... 02459 89598 14881 = 630 630 55 55 00000	CW	(AB)
M14	18041	17-5	0500	Thu	952 784 784 50 50 == 15777 12136 80657 ... 69279 74922 81488 = 784 784 50 50 00000	CW	(AB-KOR)
M14	7615	17-5	1900	Thu	735 735 735 00000	CW	(HFD)
M14	6876	17-5	2000	Thu	735 735 735 00000	CW	(HFD)
M14	18041	18-5	0500	Fri	952 310 310 60 60 == 25193 45844 57428 ... 92727 72482 39162 == 310 310 60 60 00000	CW	(AB-CHN)
M14	4730	19-5	0800	Sat	523 707 707 23 23 34256 76845 89056 ... 56564 89043 77277 707 707 23 23 00000	MCW	(AB-RUS)
M14	4650	19-5	0900	Sat	523 707 707 23 23 34256 76845 89056 ... 56564 89043 77277 707 707 23 23 00000	MCW	(AB-RUS)
M14	18041	21-5	0500	Mon	952 786 786 50 50 == 49107 25530 54659 ... 92698 76364 94792 == 786 786 50 50 00000	CW	(AB-KOR)
M14	18041	22-5	0500	Tue	952 104 104 60 60 == 04397 38609 84729 ... 01269 67336 28473 == 104 104 60 60 00000	CW	(AB-J)
M14	18041	23-5	0500	Wed	Stopped at 0505 UTC. Restarted at 0506 UTC. 952 367 367 55 55 == 68870 63817 52452 ...	CW	(AB)
M32	4103.5	2-5	1505	Wed	i.p. 3FFM QTC K. 3EFFM DE TIJW QRV K. 3FFM QTC = 012 33 2 2100 012 = 633 = 11111 59868 78778 ...	CW	(JPL-Sib)
M32	17470	8-5	1124	Tue	i.p. 67320 91190 67320 91190 K	FSK-CW	(AB)
M32	6846	14-5	1832	Mon	Z1NO DE MED5 R 939 ? K. XWMF DE MED5 M4W8 DE MED5 R 939 ? K	CW	(JPL-CHN)
M32	10164	21-5	0940	Mon	XXX XXX WEGI WEGI 10630 48442 SULXFIDNYJ 6255 7583 K	CW	(JU)
M32	10164	21-5	0947	Mon	UUUUU XXX XXX 2V8I 2V8I 22282 82520 AWTOFURGON 7910 8583	CW	(JU)
M32	18.1	29-5	1119	Tue	RDL RDL RDL 34732 40410 34732 40410 K. RDL RDL RDL 80230 48516 80230 48516 80230 48516 K //17460 kHz	CW	(MPJ)
M32	17460	29-5	1119	Tue	RDL RDL RDL 34732 40410 34732 40410 K. RDL RDL RDL 80230 48516 80230 48516 80230 48516 K //18.1 kHz	CW	(MPJ)
M32a	5775	2-5	0651	Wed	i.p. WOTO ETOT NR 01 2100 IUNX = RIC87 RIC87 RIC87 DE RCV RCV QTC 209 39 4 0008 209 = NAWIP 031 447 KARTA 35111 UKRAINA ST RELXBY ARTILLERIJSKIE ...	CW	(JPL-UKR)
M32a	11096	3-5	0640	Thu	i.p. DE RJS QTC 211 24 3 0925 211 = GOK\AQ PPP..	CW	(JPL-KOR)
M32a	12464	7-5	0621	Mon	RKO81: Russian Navy AO Lena. rcv de rko81 136 19 7 0900 136 = sml for rjh45 rje73 = 07061 99353 10174 41999 00901 10185 ...	CW	(WP3)
M32a	8460	7-5	0622	Mon	RFH61: Russian Navy Ship Perekop (310). rjh25 de rfh61 446 19 7 1800 446 = sml for rjd38 rjh45 rjh48 rif4 = 07151 99087 ...	CW	(WP3)
M32a	12464	19-5	0601	Sat	RKO81: Russian Navy AO Lena. rcv de rko81 169 19 19 0900 169 = sml for rjh45 rje73 = 19061 99345	CW	(WP3)

					10304 41997 ...		
M32a	8345	19-5	0605	Sat	RCJE: Russian Navy Tug SB5. rcv de rcje 486 19 19 0903 486 = sml for rjh45 rje73 = 19061 99399 10256 41597 ...	CW	(WP3)
M32b	8816	20-5	0913	Sun	71877 QTO 0905 QRD XLLV XLMV QRE 1200 QBD 0500	CW	(NH2)
M32b	8816	22-5	0716	Tue	71877 QTO 0710 QRD XLWF XRKE QRE 1100 QBD 0500	CW	(NH2)
M32b	8816	23-5	0746	Wed	08128 QTO 0740 QRD XLAP XLMV QRE 0920 QBD 0530	CW	(NH2)
M32b	8816	24-5	0616	Thu	26892 QTO 0610 QRD XLLV XLMV QRE 0845 QBD 0500	CW	(NH2)
M32b	8816	25-5	0706	Fri	09779 QTO 0700 QRD XLLP XLMV QRE 0920 QBD 0600	CW	(NH2)
M32c	8029	4-5	0600	Fri	Russian Air Force W-marker	CW	(WP3)
M32c	8029	4-5	0720	Fri	Russian Air Force W-marker. Also at 0740, 0800, 0820, 0840, 0900z	CW	(AB)
M32c	8029	4-5	0920	Fri	Russian Air Force. Short extremely fast message	CW	(AB)
M32c	8029	4-5	0940	Fri	Russian Air Force W-marker. Also at 1000, 1020z	CW	(AB)
M42	12175	14-5	1230	Mon	Russian diplo/intel i.p.	MFSK-66	(AB)
M51a	6825	4-5	1807	Fri	FAV22: French Morse Lessons. Mixed: MVIEW 49635 VXQAU ,/? ...	CW	(MPJ)
M51a	6825	18-5	1801	Fri	French Morse practice: ... SLWOD CBZMA 32698 LFOTP ./ ...	CW	(MPJ)
M51a	6825	23-5	1518	Wed	i.p. wasps lucky swaps 32598 ...	CW	(EB4APL)
M89	3378	1-5	1111	Tue	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	1-5	1111	Tue	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	3238	1-5	1113	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	1-5	1113	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4873	1-5	1114	Tue	i.p. QRJ U LL TO HR QRJ U LL TO EN K. NR QSL 0913 R K. U LL TO HR K. U LL TO HR U LL TO HR U L F. AS AS	CW	(JPL)
M89	6840	1-5	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	1-5	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	4131	1-5	1808	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10378	2-5	0659	Wed	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	6874	2-5	0701	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	2-5	0701	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	3238	2-5	1459	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	2-5	1459	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3378	2-5	1501	Wed	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	2-5	1501	Wed	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	4131	2-5	1504	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10378	3-5	0648	Thu	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	8800	3-5	0654	Thu	i.p. HR SR WK NR 03 K K NR HR WK 0 EEEE HR WK RHR NH RM RR R HR QSA 1 QSA ? K K	CW	(JPL)
M89	6874	3-5	0716	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	3-5	0716	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	3238	3-5	1219	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	3-5	1219	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	6840	3-5	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	3-5	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)

M89	10378	7-5	0536	Mon	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	7602	7-5	1905	Mon	V DKG6 de 3A7D repeating	CW	(MPJ)
M89	3642	9-5	1748	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	9-5	1748	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	10378	10-5	1012	Thu	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	5556	10-5	1023	Thu	i.p. AD73 3TN5 4AT6 UND4 63UD ... AR = = 4N73 7UT6 D3A7 6AN5	CW	(JPL)
M89	3238	10-5	1034	Thu	V M8JF (x3) DE RIS9 (x2) //4870, 6874, an 8157	CW	(JPL)
M89	4870	10-5	1034	Thu	V M8JF (x3) DE RIS9 (x2) //3238, 6874, an 8157	CW	(JPL)
M89	4870	10-5	1034	Thu	V M8JF (x3) DE RIS9 (x2) //3238, 6874, an 8157	CW	(JPL)
M89	6874	10-5	1034	Thu	V M8JF (x3) DE RIS9 (x2) //3238, 4870, and 8157	CW	(JPL)
M89	8157	10-5	1034	Thu	V M8JF (x3) DE RIS9 (x2) //3238, 4870, and 8157	CW	(JPL)
M89	4393	10-5	1040	Thu	VVV L2T DE 5MK QRU 7622 7622 K	CW	(JPL)
M89	8797	10-5	1046	Thu	i.p. 6TU7 46A3 4A4N 6T7U UT3A TND7 ... AR	CW	(JPL)
M89	10378	11-5	1055	Fri	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	4870	11-5	1057	Fri	V M8JF (x3) DE RIS9 (x2) //6874, and 8157	CW	(JPL)
M89	6874	11-5	1057	Fri	V M8JF (x3) DE RIS9 (x2) //4870, and 8157	CW	(JPL)
M89	8157	11-5	1057	Fri	V M8JF (x3) DE RIS9 (x2) //4870, and 6874	CW	(JPL)
M89	6874	14-5	0622	Mon	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	14-5	0622	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	14-5	1813	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	14-5	1813	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3378	14-5	1817	Mon	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	4620	14-5	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4860	14-5	1820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620	CW	(JPL)
M89	7602	14-5	1852	Mon	V DKG6 de 3A7D	CW	(MPJ)
M89	10378	17-5	0934	Thu	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	6874	17-5	0938	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	17-5	0938	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	4131	17-5	1657	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	17-5	1659	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	17-5	1659	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3224	17-5	1701	Thu	i.p. 39 TO 89.9 /8649/.97/.8699/8669/8660/8989/5398EE ...	CW	(JPL)
M89	3378	17-5	1707	Thu	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	17-5	1707	Thu	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	3238	18-5	1211	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	10378	20-5	1022	Sun	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	10332	20-5	1023	Sun	i.p. VVV LFQC DE HVDK = YR NR 05 7G QSL TIME 1803 AR	CW	(JPL)
M89	3238	20-5	1044	Sun	V M8JF (x3) DE RIS9 (x2) //4870 and 6874 and 8157	CW	(JPL)
M89	4870	20-5	1044	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 6874 and 8157	CW	(JPL)
M89	6874	20-5	1044	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 8157	CW	(JPL)

M89	8157	20-5	1044	Sun	V M8JF (x3) DE RIS9 (x2) //3238 and 4870 and 6874	CW	(JPL)
M89	4870	23-5	1117	Wed	V M8JF (x3) DE RIS9 (x2) //6874 and 8157	CW	(JPL)
M89	6874	23-5	1117	Wed	V M8JF (x3) DE RIS9 (x2) //4870 and 8157	CW	(JPL)
M89	8157	23-5	1117	Wed	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
M89	4783	23-5	1119	Wed	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	6840	23-5	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	23-5	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	10378	24-5	0837	Thu	V C4TY (x3) DE NSF5 (x2) Note: Having problems with roundslip. Sending C4TY (x4) DE NSFUUA (x2)	CW	(JPL)
M89	6874	24-5	0851	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	24-5	0851	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5678	24-5	0900	Thu	7A37 U5N3 53A5 N5DT 76DA ... AR K. RPT 1W = A47N AR	CW	(JPL)
M89	3238	25-5	1133	Fri	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 4870	CW	(JPL)
M89	4870	25-5	1133	Fri	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 3238	CW	(JPL)
M89	6874	25-5	1133	Fri	V M8JF (x3) DE RIS9 (x2) //8157 and 4870 and 3238	CW	(JPL)
M89	8157	25-5	1133	Fri	V M8JF (x3) DE RIS9 (x2) //6874 and 4870 and 3238	CW	(JPL)
M89	7602	28-5	1855	Mon	V DKG6 de 3A7D repeating	CW	(MPJ)
M89	10378	29-5	0738	Sat	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	6874	29-5	0739	Sat	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	29-5	0739	Sat	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	3378	29-5	1209	Sat	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	29-5	1209	Sat	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M89	4870	29-5	1211	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	6874	30-5	0912	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	30-5	0912	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	10378	30-5	0918	Wed	V C4TY (x3) DE NSF5 (x2)	CW	(JPL)
M89	6840	30-5	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //10640	CW	(JPL)
M89	10640	30-5	0920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3238	30-5	1651	Wed	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 4870	CW	(JPL)
M89	4870	30-5	1651	Wed	V M8JF (x3) DE RIS9 (x2) //8157 and 6874 and 3238	CW	(JPL)
M89	6874	30-5	1651	Wed	V M8JF (x3) DE RIS9 (x2) //8157 and 4870 and 3238	CW	(JPL)
M89	8157	30-5	1651	Wed	V M8JF (x3) DE RIS9 (x2) //6874 and 4870 and 3238	CW	(JPL)
M89	3378	30-5	1656	Wed	V C4TY (x3) DE NSF5 (x2) //4783	CW	(JPL)
M89	4783	30-5	1656	Wed	V C4TY (x3) DE NSF5 (x2) //3378	CW	(JPL)
M95	5801	1-5	1108	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-5	1108	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	1-5	1807	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-5	1807	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	2-5	0657	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5897	2-5	0750	Wed	i.p. 05 05 05 443U6 5NTU 46DU T4TA ... OK QSU VA SK SK	CW	(JPL)
M95	3642	2-5	1447	Wed	i.p. AR QSL ? HR WK NR 050 V DKG6 DE 3A7D //7602	CW	(JPL)

M95	7602	2-5	1447	Wed	i.p. AR QSL ? HR WK NR 050 V DKG6 DE 3A7D //3642	CW	(JPL)
M95	10180	3-5	0628	Thu	V DKG6 DE 3A7D HR SVC GA NR 046 1430 RMKS 5.1.2 TO 5526 =	CW	(JPL)
M95	4364	3-5	1140	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0375 CK 209 35 0504 1615 = TT3 3U6 3AN 3U7 ... //8073	CW	(JPL)
M95	8073	3-5	1140	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0375 CK 209 35 0504 1615 = TT3 3U6 3AN 3U7 ... //4364	CW	(JPL)
M95	4243	3-5	1147	Thu	VV HR MSG TO YR PSE CY NR 001 CK 22 35 0503 1500 = 5TD UTT TT3 3U6 7TA ... //9054	CW	(JPL)
M95	9054	3-5	1147	Thu	VV HR MSG TO YR PSE CY NR 001 CK 22 35 0503 1500 = 5TD UTT TT3 3U6 7TA ... //4243	CW	(JPL)
M95	5801	5-5	0909	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-5	0909	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	6-5	1010	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	6-5	1010	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	10180	7-5	0533	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	10-5	1136	Thu	BNGC DE XSV85 HR MSG GA PSE CY NR 0389 CK 150 35 0510 1308 = TAT 3U6 3AN 3U7 TAU 773 ... //8073	CW	(JPL)
M95	8073	10-5	1136	Thu	BNGC DE XSV85 HR MSG GA PSE CY NR 0389 CK 150 35 0510 1308 = TAT 3U6 3AN 3U7 TAU 773 ... //4364	CW	(JPL)
M95	4243	10-5	1149	Thu	HR 7G TO YR PSE CY NR 015 CK 22 35 0510 1506 = 5TD UTT TAT 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	10-5	1149	Thu	HR 7G TO YR PSE CY NR 015 CK 22 35 0510 1506 = 5TD UTT TAT 3U6 3A4 ... //4243	CW	(JPL)
M95	10180	10-5	1748	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	11-5	1049	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	14-5	0616	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	17-5	0945	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	17-5	1652	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	17-5	1652	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	19-5	0732	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	19-5	1205	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	19-5	1205	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	19-5	1828	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	19-5	1828	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	20-5	1019	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-5	1019	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	21-5	1647	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-5	1647	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	22-5	1144	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	23-5	1107	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	23-5	1136	Wed	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0413 CK 106 35 0523 1743 = TU3 3U6 3AN 3U7 TAU 773 353 ... //8073	CW	(JPL)
M95	8073	23-5	1136	Wed	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0413 CK 106 35 0523 1743 = TU3 3U6 3AN 3U7 TAU 773 353 ... //4364	CW	(JPL)
M95	4243	23-5	1147	Wed	VV HR MSG TO YR PSE CY NR 041 CK 18 35 0523 1515 = 5TD UTT TU3 3U6 3A4 ...	CW	(JPL)
M95	10180	24-5	0833	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	25-5	1111	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	25-5	1111	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M95	4243	25-5	1145	Fri	VV HR MSG TO YR PSE CY NR 045 CK 20 35 0525 1530 = 5TD UTT TU5 3U6 3A4 ...	CW	(JPL)
M95	10180	30-5	0900	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
MX	7509.1	4-5	1808	Fri	Beacon A, Astrakhan/Baku	CW	(MPJ)
MX	7508.9	4-5	1809	Fri	Beacon S, Severomorsk	CW	(MPJ)
MX	7508.7	4-5	1810	Fri	Beacon D, Sevastopol	CW	(MPJ)
MX	8821	5-5	0630	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0700	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0730	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0800	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0830	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0900	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	0930	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1000	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1030	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1100	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1130	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1200	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1230	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1330	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1400	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1430	Sat	S-marker (R5)	CW	(AB)
MX	8821	5-5	1500	Sat	S-marker (R5)	CW	(AB)
MX	5156.8	8-5	0501	Tue	Beacon L, St Petersburg	CW	(AB)
MX	4150	14-5	2355	Mon	Beacon V, Khiva	CW	(DK8OK)
MX	16331.2	23-5	0513	Wed	Beacon F, Vladivostok	CW	(AB)
MX	13528.4	23-5	0514	Wed	Beacon M, Magadan	CW	(AB)
MX	7038.8	30-5	1651	Wed	Beacon P, Kaliningrad	CW	(AB)
P03a	4840	1-5	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	1-5	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	7840	2-5	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	2-5	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	14769	4-5	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14769	4-5	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	4-5	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	4-5	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	7840	5-5	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	5-5	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	6-5	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	6-5	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	6-5	1500	Sun	Polish Intel.	BPSK-63	(AB)

P03a	9130	6-5	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	6-5	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	6-5	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	7-5	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	7-5	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	4840	8-5	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	8-5	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	7840	9-5	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	9-5	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	9-5	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	9-5	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	14769	11-5	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14769	11-5	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	11-5	1500	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	11-5	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	11-5	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	11-5	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	11107	12-5	1225	Sat	Polish Intel.	BPSK-63	(AB)
P03a	11107	12-5	1230	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	12-5	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	12-5	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	15800	13-5	1120	Sun	Polish Intel.	BPSK-63	(AB)
P03a	15800	13-5	1125	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	13-5	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	13-5	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	13-5	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	13-5	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	13-5	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	13-5	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	17504	14-5	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	14-5	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	4840	15-5	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	15-5	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	7840	16-5	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	16-5	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	16-5	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	16-5	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	14769	18-5	1440	Fri	Polish Intel.	BPSK-63	(AB)
P03a	14769	18-5	1445	Fri	Polish Intel.	BPSK-63	(AB)
P03a	9130	18-5	1500	Fri	Polish Intel.	BPSK-63	(AB)

P03a	9130	18-5	1505	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	18-5	1635	Fri	Polish Intel.	BPSK-63	(AB)
P03a	17504	18-5	1640	Fri	Polish Intel.	BPSK-63	(AB)
P03a	7840	19-5	1435	Sat	Polish Intel.	BPSK-63	(AB)
P03a	7840	19-5	1440	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12530	19-5	1500	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12530	19-5	1505	Sat	Polish Intel.	BPSK-63	(AB)
P03a	12385	20-5	1410	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	20-5	1415	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	20-5	1440	Sun	Polish Intel.	BPSK-63	(AB)
P03a	14769	20-5	1445	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	20-5	1500	Sun	Polish Intel.	BPSK-63	(AB)
P03a	9130	20-5	1505	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	20-5	1725	Sun	Polish Intel.	BPSK-63	(AB)
P03a	4840	20-5	1730	Sun	Polish Intel.	BPSK-63	(AB)
P03a	12385	21-5	1410	Mon	Polish Intel.	BPSK-63	(AB)
P03a	12385	21-5	1415	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	21-5	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	21-5	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	4840	22-5	1725	Tue	Polish Intel.	BPSK-63	(AB)
P03a	4840	22-5	1730	Tue	Polish Intel.	BPSK-63	(AB)
P03a	11107	23-5	1225	Wed	Polish Intel.	BPSK-63	(AB)
P03a	11107	23-5	1230	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	23-5	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	23-5	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	23-5	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	23-5	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03a	17504	28-5	1635	Mon	Polish Intel.	BPSK-63	(AB)
P03a	17504	28-5	1640	Mon	Polish Intel.	BPSK-63	(AB)
P03a	7840	30-5	1435	Wed	Polish Intel.	BPSK-63	(AB)
P03a	7840	30-5	1440	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	30-5	1500	Wed	Polish Intel.	BPSK-63	(AB)
P03a	12530	30-5	1505	Wed	Polish Intel.	BPSK-63	(AB)
P03b	15800	2-5	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	2-5	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	11107	2-5	1220	Wed	Polish Intel.	QPSK-63	(AB)
P03b	11107	2-5	1225	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	2-5	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	2-5	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	4-5	2035	Fri	Polish Intel.	QPSK-63	(AB)

P03b	5231	4-5	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	9-5	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	9-5	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	16-5	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	16-5	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	18-5	2035	Fri	Polish Intel.	QPSK-63	(AB)
P03b	5231	18-5	2040	Fri	Polish Intel.	QPSK-63	(AB)
P03b	15800	23-5	1120	Wed	Polish Intel.	QPSK-63	(AB)
P03b	15800	23-5	1125	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	23-5	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	23-5	2040	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	30-5	2035	Wed	Polish Intel.	QPSK-63	(AB)
P03b	5231	30-5	2040	Wed	Polish Intel.	QPSK-63	(AB)
POL	5779	6-5	1945	Sun	Polish intel.	200Bd/400Hz MFSK-4	(Danix)
POL	10210	10-5	1000	Thu	Polish Intel.	Unid mode	(AB)
POL	10210	10-5	1005	Thu	Polish Intel.	Unid mode	(AB)
POL	10210	14-5	1000	Mon	Polish Intel.	Unid mode	(AB)
POL	10210	14-5	1005	Mon	Polish Intel.	Unid mode	(AB)
POL	10210	21-5	1000	Mon	Polish Intel.	Unid mode	(AB)
POL	10210	21-5	1005	Mon	Polish Intel.	Unid mode	(AB)
POL	10210	24-5	1000	Thu	Polish Intel.	Unid mode	(AB)
POL	10210	24-5	1005	Thu	Polish Intel.	Unid mode	(AB)
Q26	4364	3-5	1138	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	3-5	1138	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	3-5	1142	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	3-5	1142	Thu	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8694	4-5	1831	Fri	NIJT clg LUAP. HR MSG GA NR 01 18 0502 0231 ...	4+4 QPSK 75/3000 LSB	(DK8OK)
Q26	4364	10-5	1130	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	10-5	1130	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	10-5	1141	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	10-5	1141	Thu	Messages //4243	4+4 QPSK	(JPL)

						75/3000 LSB	
Q26	4364	23-5	1130	Wed	Messages //8073	4+4 QPSK (JPL)	
						75/3000 LSB	
Q26	8073	23-5	1130	Wed	Messages //4364	4+4 QPSK (JPL)	
						75/3000 LSB	
Q26	4243	23-5	1142	Wed	Messages	4+4 QPSK (JPL)	
						75/3000 LSB	
Q26	4243	25-5	1143	Fri	Messages	4+4 QPSK (JPL)	
						75/3000 LSB	
Q26	13090	31-5	0520	Thu	4-cipher groups	4+4 QPSK (DK8OK)	
						75/3000 LSB	
S06	11565	2-5	0830	Wed	464 827 5 67453	USB (HFD)	
S06	12560	2-5	0840	Wed	464	USB (HFD)	
S06	17475	3-5	0830	Thu	842 103 49 57828	USB (HFD)	
S06	14736	3-5	0930	Thu	842	USB (HFD-RUS)	
S06	10755	4-5	1515	Fri	Test i.p. with errors and breaks. 975 123 28 61852 57903 44584 ... 72053 44575 91451 123 28 00000	USB (qsr711)	
S06	9492	4-5	1900	Fri	263 263 263 00000	USB (HFD)	
S06	7528	4-5	2000	Fri	263 263 263 00000	USB (HFD)	
S06	14736	11-5	0930	Fri	842 679 50 79767 84520 28427 ... 15158 83724 67923 679 50 00000	USB (AB-RUS)	
S06	10423	13-5	1800	Sun	058 913 50 85955 42658 48987 ... 08453 41557 02964 913 50 00000	USB (kalv)	
S06	8167	13-5	1830	Sun	058 913 50 85955 42658 48987 ... 08453 41557 02964 913 50 00000	USB (kalv)	
S06	14736	18-5	0930	Fri	842 571 30 53954 78691 23590 ... 93840 44542 18016 571 30 00000	USB (AB-RUS)	
S06	9492	18-5	1900	Fri	483 483 483 00000	USB (AB/HFD)	
S06	7528	18-5	2000	Fri	483 483 483 00000	USB (AB/HFD)	
S06	10423	19-5	1800	Sat	058 734 50 50910 46397 87167 ... 89542 85950 27690 734 50 00000	USB (kalv)	
S06	8167	19-5	1830	Sat	058 734 50 50910 46397 87167 ... 89542 85950 27690 734 50 00000	USB (kalv)	
S06	6773	19-5	1900	Sat	263 263 263 00000	USB (AB)	
S06	5773	19-5	2000	Sat	263 263 263 00000	USB (AB/RL)	
S06	10423	23-5	1800	Wed	058 324 50 78993 79022 88916 ... 71051 35871 35324 324 50 00000	USB (kalv)	
S06	8167	23-5	1830	Wed	058 324 50 78993 79022 88916 ... 71051 35871 35324 324 50 00000	USB (kalv)	
S06	17475	24-5	0830	Thu	842 605 31 66604 09440 41676 ... 49411 62525 78616 605 31 00000	USB (AB-AUT)	
S06	14736	24-5	0930	Thu	842 605 31 66604 09440 41676 ... 49411 62525 78616 605 31 00000	USB (AB)	
S06	10423	25-5	1800	Fri	058 172 50 35081 99871 46548 ... 29863 88770 23682 172 50 00000	USB (MPJ)	
S06	8168	25-5	1810	Fri	058 172 50 35081 99871 46548 ... 29863 88770 23682 172 50 00000	USB (MPJ)	
S06	10423	27-5	1800	Sun	058 419 50 94359 24657 67280 ... 85096 90074 31226 419 50 00000	USB (AB)	
S06	8167	27-5	1830	Sun	058 419 50 94359 24657 67280 ... 85096 90074 31226 419 50 00000	USB (AB)	
S06	15721	28-5	0400	Mon	Sent in LSB: 480 312 60 77504 55880 77726 ... 48732 48342 73825 312 60 00000	LSB (kalv)	
S06	10423	29-5	1800	Tue	058 943 50 63899 15011 00033 ... 77236 43983 09726 943 50 00000	USB (MPJ)	
S06	8167	29-5	1830	Tue	058 943 50 63899 15011 00033 ... 77236 43983 09726 943 50 00000	USB (MPJ)	
S06a	10290	4-5	0930	Fri	516 934 7 34203	USB (HFD)	

S06s	5430	1-5	0700	Tue	374 821 5 36444 37144 96123 84434 39808 821 5 00000	USB	(AB-RUS/HFD)
S06s	6780	1-5	0715	Tue	374 821 5 36444 37144 96123 84434 39808 821 5 00000	USB	(AB/HFD)
S06s	7365	1-5	0730	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6 00000	USB	(AB/HFD)
S06s	11655	1-5	0740	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6 00000	USB	(AB/HFD)
S06s	14373	1-5	0800	Tue	352 470 6 31315 36194 36194 37650 43773 46793 470 6 00000	USB	(AB/HFD)
S06s	12935	1-5	0810	Tue	352 470 6 31315 36194 36194 37650 43773 46793 470 6 00000	USB	(AB/HFD)
S06s	4820	1-5	1000	Tue	893 416 5 40385 33596 46625 40431 41933 416 5 00000	USB	(AB-POL/HFD-POL)
S06s	5660	1-5	1010	Tue	893 416 5 40385 33596 46625 40431 41933 416 5 00000	USB	(AB-POL/HFD-POL)
S06s	6810	1-5	1100	Tue	754 830 6 43079 36914 46467 36973 37977 89762 830 6 00000	USB	(AB-RUS/MPJ-I/HFD)
S06s	7560	1-5	1110	Tue	754 830 6 43079 36914 46467 36973 37977 89762 830 6 00000	USB	(AB-RUS/MPJ-RUS/HFD)
S06s	6766	1-5	1500	Tue	537 410 6 83030 32030 34002 36870 39553 35530 410 6 00000	USB	(AB-RUS/HFD-RUS)
S06s	7744	1-5	1510	Tue	537 410 6 83030 32030 34002 36870 39553 35530 410 6 00000	USB	(AB/MPJ/HFD)
S06s	12110	2-5	0730	Wed	745 210 6 83208 37829 47458 42867 39654 42387 210 6 00000	AM	(AB/HFD)
S06s	14977	2-5	0740	Wed	745 210 6 83208 37829 47458 42867 39654 42387 210 6 00000	USB	(AB>HFD)
S06s	9485	2-5	0820	Wed	471 826 5 45032 39366 87471 31487 30130 826 5 00000	USB	(AB/HFD)
S06s	11085	2-5	0830	Wed	471 826 5 45032 39366 87471 31487 30130 826 5 00000	USB	(AB/HFD)
S06s	11565	2-5	0830	Wed	464 827 5 67453 12317 89564 34265 67534 827 5 00000	USB	(AB)
S06s	12560	2-5	0840	Wed	464 827 5 67453 12317 89564 34265 67534 827 5 00000	USB	(AB)
S06s	14580	2-5	1000	Wed	729 401 5 57423 13217 89645 45328 08431 401 5 00000	USB	(AB/MPJ/HFD)
S06s	16020	2-5	1010	Wed	729 401 5 57423 13217 89645 45328 08431 401 5 00000	USB	(AB/MPJ/HFD)
S06s	9255	3-5	0930	Thu	314 920 5 86513 64963 32793 29373 03653 920 5 00000	USB	(AB/HFD)
S06s	10325	3-5	0940	Thu	314 920 5 86513 64963 32793 29373 03653 920 5 00000	USB	(AB/HFD)
S06s	13145	3-5	1200	Thu	425 987 6 71737 12852 52422 36152 84167 21648 987 6 00000	USB	(AB/MPJ/HFD)
S06s	14535	3-5	1210	Thu	425 987 6 71737 12852 52422 36152 84167 21648 987 6 00000	USB	(AB/MPJ/HFD)
S06s	6844	4-5	0900	Fri	624 970 5 36461 36956 35478 36583 36053 970 5 00000	USB	(AB)
S06s	6844	4-5	0900	Fri	970 5 36461	USB	(HFD)
S06s	7161	4-5	0910	Fri	624 970 5 36461 36956 35478 36583 36053 970 5 00000	USB	(AB/HFD)
S06s	10290	4-5	0930	Fri	516 934 7 34203 80585 85362 02507 34465 29833 44420 934 7 00000	USB	(AB)
S06s	9655	4-5	0940	Fri	516 934 7 34203 80585 85362 02507 34465 29833 44420 934 7 00000	USB	(AB/HFD)
S06s	12460	5-5	0800	Sat	254 930 6 15009 34140 78386 91497 82963 24162 930 6 00000	USB	(AB/HFD)
S06s	10250	5-5	0810	Sat	254 930 6 15009 34140 78386 91497 82963 24162 930 6 00000	USB	(AB/HFD)
S06s	8221	7-5	0830	Mon	371 504 6 72558 59575 25225 85342 51116 64485 504 6 00000	USB	(AB/HFD)
S06s	9353	7-5	0840	Mon	371 504 6 72558 59575 25225 85342 51116 64485 504 6 00000	USB	(AB/HFD)
S06s	16380	7-5	0900	Mon	872 546 9 32441 35786 83110 38611 33218 45503 44449 37631 37158 546 9 00000	USB	(AB/HFD)
S06s	14835	7-5	0910	Mon	872 546 9 32441 35786 83110 38611 33218 45503 44449 37631 37158 546 9 00000	USB	(AB/HFD)

S06s	10230	7-5	1200	Mon	831 906 5 58202 44206 39565 25473 03882 906 5 00000	USB	(AB/HFD)
S06s	12165	7-5	1210	Mon	831 906 5 58202 44206 39565 25473 03882 906 5 00000	USB	(AB/HFD)
S06s	15945	8-5	0600	Tue	438 290 5 40244 36012 38323 47552 43630 290 5 00000	USB	(AB)
S06s	16945	8-5	0610	Tue	438 290 5 40244 36012 38323 47552 43630 290 5 00000	USB	(AB)
S06s	5430	8-5	0700	Tue	374 821 5 36444 37144 96123 84434 39808 821 5 00000	USB	(AB-AUT)
S06s	6780	8-5	0715	Tue	374 821 5 36444 37144 96123 84434 39808 821 5 00000	USB	(AB)
S06s	7365	8-5	0730	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6 00000	USB	(AB)
S06s	11655	8-5	0740	Tue	427 985 6 33699 39998 30667 35947 83964 40774 985 6 00000	USB	(AB)
S06s	14373	8-5	0800	Tue	352 470 6 31315 36194 36194 37650 43773 46793 470 6 00000	USB	(AB)
S06s	12935	8-5	0810	Tue	352 470 6 31315 36194 36194 37650 43773 46793 470 6 00000	USB	(AB)
S06s	4820	8-5	1000	Tue	893 416 5 40385 33596 46625 40431 41933 416 5 00000	USB	(AB-POL)
S06s	5660	8-5	1010	Tue	893 416 5 40385 33596 46625 40431 41933 416 5 00000	USB	(AB-POL)
S06s	6810	8-5	1100	Tue	754 830 6 43079 36914 46467 36973 37977 89762 830 6 00000	USB	(AB-RUS)
S06s	7560	8-5	1110	Tue	754 830 6 43079 36914 46467 36973 37977 89762 830 6 00000	USB	(AB-RUS)
S06s	6766	8-5	1500	Tue	537 410 6 83030 32030 34002 36870 39553 35530 410 6 00000	USB	(AB-RUS)
S06s	7744	8-5	1510	Tue	537 410 6 83030 32030 34002 36870 39553 35530 410 6 00000	USB	(AB-RUS)
S06s	12110	9-5	0730	Wed	745 210 6 83208 37829 47458 42867 39654 42387 210 6 00000	AM	(AB)
S06s	14977	9-5	0740	Wed	745 210 6 83208 37829 47458 42867 39654 42387 210 6 00000	USB	(AB)
S06s	9485	9-5	0820	Wed	471 826 5 45032 39366 87471 31487 30130 826 5 00000	USB	(AB)
S06s	11085	9-5	0830	Wed	471 826 5 45032 39366 87471 31487 30130 826 5 00000	USB	(AB)
S06s	11565	9-5	0830	Wed	464 827 5 67453 12317 89564 34265 67534 827 5 00000	USB	(AB)
S06s	12560	9-5	0840	Wed	464 827 5 67453 12317 89564 34265 67534 827 5 00000	USB	(AB)
S06s	14580	9-5	1000	Wed	729 401 5 57423 13217 89645 45328 08431 401 5 00000	USB	(AB)
S06s	16020	9-5	1010	Wed	729 401 5 57423 13217 89645 45328 08431 401 5 00000	USB	(AB)
S06s	9255	10-5	0930	Thu	314 920 5 86513 64963 32793 29373 03653 920 5 00000	USB	(AB)
S06s	10325	10-5	0940	Thu	314 920 5 86513 64963 32793 29373 03653 920 5 00000	USB	(AB)
S06s	13145	10-5	1200	Thu	425 987 6 71737 12852 52422 36152 84167 21648 987 6 00000	USB	(AB)
S06s	14535	10-5	1210	Thu	425 987 6 71737 12852 52422 36152 84167 21648 987 6 00000	USB	(AB)
S06s	6844	11-5	0900	Fri	624 970 5 36461 36956 35478 36583 36053 970 5 00000	USB	(AB)
S06s	7161	11-5	0910	Fri	624 970 5 36461 36956 35478 36583 36053 970 5 00000	USB	(AB)
S06s	10290	11-5	0930	Fri	516 934 7 34203 80585 85362 02507 34465 29833 44420 934 7 00000	USB	(AB)
S06s	9655	11-5	0940	Fri	516 934 7 34203 80585 85362 02507 34465 29833 44420 934 7 00000	USB	(AB/LA6LU)
S06s	8221	14-5	0830	Mon	371 504 6 72558 59575 25225 85342 51116 64485 504 6 00000	USB	(AB)
S06s	9353	14-5	0840	Mon	371 504 6 72558 59575 25225 85342 51116 64485 504 6 00000	USB	(AB)
S06s	16380	14-5	0900	Mon	872 546 9 32441 35786 83110 38611 33218 45503 44449 37631 37158 546 9 00000	USB	(AB)
S06s	14835	14-5	0910	Mon	872 546 9 32441 35786 83110 38611 33218 45503 44449 37631 37158 546 9 00000	USB	(AB)
S06s	10230	14-5	1200	Mon	831 906 5 58202 44206 39565 25473 03882 906 5 00000	USB	(AB/MPJ)
S06s	12165	14-5	1210	Mon	831 906 5 58202 44206 39565 25473 03882 906 5 00000	USB	(AB/MPJ)
S06s	15945	15-5	0600	Tue	438 259 6 46062	USB	(HFD-RUS)
S06s	16945	15-5	0610	Tue	438	USB	(HFD-UKR)

S06s	6810	15-5	1100	Tue	754 236 8 87378 20647 21464 30750 42433 25620 27292 36923 236 8 00000	USB	(MPJ-RUS)
S06s	7560	15-5	1110	Tue	754 236 8 87378 20647 21464 30750 42433 25620 27292 36923 236 8 00000	USB	(MPJ-RUS)
S06s	6766	15-5	1500	Tue	537 206 8 35944 64372 13078 10915 84613 77148 25162 33425 206 8 00000	USB	(MPJ-AUT)
S06s	7744	15-5	1510	Tue	537 206 8 35944 64372 13078 10915 84613 77148 25162 33425 206 8 00000	USB	(MPJ-AUT)
S06s	12110	16-5	0730	Wed	745 902 6 07931 98755 84638 45752 54544 53202 902 6 00000	AM	(AnEur)
S06s	14977	16-5	0740	Wed	745 902 6 07931 98755 84638 45752 54544 53202 902 6 00000	USB	(AnEur)
S06s	9485	16-5	0820	Wed	471 536 8 07628 61154 97511 24047 58195 66625 48646 32977 536 8 00000	USB	(AB/RL)
S06s	11085	16-5	0830	Wed	471 536 8 07628 61154 97511 24047 58195 66625 48646 32977 536 8 00000	USB	(AB)
S06s	11565	16-5	0830	Wed	464 582 5 ...	USB	(AnEur)
S06s	12560	16-5	0840	Wed	464 827 5 ...	USB	(AnEur)
S06s	14580	16-5	1000	Wed	729 580 6 33445 69424 38167 05423 76458 59421 580 6 00000	USB	(AnEur)
S06s	16020	16-5	1010	Wed	729 580 6 33445 69424 38167 05423 76458 59421 580 6 00000	USB	(AnEur)
S06s	13145	17-5	1200	Thu	425 837 6 62314 52745 52894 03527 82419 73429 837 6 00000	USB	(AB/MPJ)
S06s	14535	17-5	1210	Thu	425 837 6 62314 52745 52894 03527 82419 73429 837 6 00000	USB	(AB/MPJ)
S06s	6844	18-5	0900	Fri	624 837 5 88620 58069 61732 74537 57440 837 5 00000	USB	(AB)
S06s	7161	18-5	0910	Fri	624 837 5 88620 58069 61732 74537 57440 837 5 00000	USB	(AB)
S06s	10290	18-5	0930	Fri	516 298 7 01405 15003 24357 60583 54545 84116 53718 298 7 00000	USB	(AB)
S06s	9655	18-5	0940	Fri	516 298 7 01405 15003 24357 60583 54545 84116 53718 298 7 00000	USB	(AB)
S06s	8221	21-5	0830	Mon	371 428 5 84035 62317 83422 84537 04538 428 5 00000	USB	(AB)
S06s	9353	21-5	0840	Mon	371 428 5 84035 62317 83422 84537 04538 428 5 00000	USB	(AB)
S06s	16380	21-5	0900	Mon	872 469 5 39394 35083 42571 32785 37331 469 5 00000	USB	(AB)
S06s	14835	21-5	0910	Mon	872 469 5 39394 35083 42571 32785 37331 469 5 00000	USB	(AB)
S06s	10230	21-5	1200	Mon	831 420 5 36806 37188 48254 44053 33023 420 5 00000	USB	(AB/ER-HOL/MPJ)
S06s	12165	21-5	1210	Mon	831 420 5 36806 37188 48254 44053 33023 420 5 00000	USB	(AB/MPJ)
S06s	15945	22-5	0600	Tue	438 259 6 46062 68672 97478 39585 30485 96632 259 6 00000	USB	(AB)
S06s	16945	22-5	0610	Tue	438 259 6 46062 68672 97478 39585 30485 96632 259 6 00000	USB	(AB)
S06s	5430	22-5	0700	Tue	374 582 6 17111 58346 70728 32160 63522 08288 582 6 00000	USB	(AB-POL)
S06s	6780	22-5	0715	Tue	374 582 6 17111 58346 70728 32160 63522 08288 582 6 00000	USB	(AB-POL)
S06s	7365	22-5	0730	Tue	427 851 6 10996 38829 06674 12532 79501 04475 851 6 00000	USB	(AB)
S06s	11655	22-5	0740	Tue	427 851 6 10996 38829 06674 12532 79501 04475 851 6 00000	USB	(AB)
S06s	14373	22-5	0800	Tue	352 417 6 60956 01745 63302 01371 45588 82045 417 6 00000	USB	(AB)
S06s	12935	22-5	0810	Tue	352 417 6 60956 01745 63302 01371 45588 82045 417 6 00000	USB	(AB)
S06s	4820	22-5	1000	Tue	893 517 6 28263 22321 21223 22690 85428 21987 517 6 00000	USB	(AB-POL)
S06s	5660	22-5	1010	Tue	893 517 6 28263 22321 21223 22690 85428 21987 517 6 00000	USB	(AB-POL)
S06s	6810	22-5	1100	Tue	754 236 8 87378 20647 21464 30750 42433 25620 27292 36923 236 8 00000	USB	(AB-POL/MPJ)
S06s	7560	22-5	1110	Tue	754 236 8 87378 20647 21464 30750 42433 25620 27292 36923 236 8 00000	USB	(AB-RUS/MPJ)
S06s	6766	22-5	1500	Tue	537 206 8 35944 (35933) 64372 13078 10915 84613 77148 25162 33425 206 8 00000	USB	(AB-AUT)
S06s	7744	22-5	1510	Tue	537 206 8 35944 (35933) 64372 13078 10915 84613 77148 25162 33425 206 8 00000	USB	(AB-AUT/MPJ)
S06s	12110	23-5	0730	Wed	745 902 6 07931 98755 84638 45752 54544 53202 902 6 00000	USB	(AB)

S06s	14977	23-5	0740	Wed	745 902 6 07931 98755 84638 45752 54544 53202 902 6 00000	USB	(AB)
S06s	9485	23-5	0820	Wed	471 536 8 07628 61154 97511 24047 58195 66625 48646 32977 536 8 00000	USB	(AB)
S06s	11085	23-5	0830	Wed	471 536 8 07628 61154 97511 24047 58195 66625 48646 32977 536 8 00000	USB	(AB)
S06s	11565	23-5	0830	Wed	464 582 5 30309 39342 35474 35493 582 5 00000	USB	(AB)
S06s	12560	23-5	0840	Wed	464 582 5 30309 39342 35474 35493 582 5 00000	USB	(AB)
S06s	14580	23-5	1000	Wed	729 580 6 33445 69424 38167 05423 76458 59421 580 6 00000	USB	(AB)
S06s	16020	23-5	1010	Wed	729 580 6 33445 69424 38167 05423 76458 59421 580 6 00000	USB	(AB)
S06s	9255	24-5	0930	Thu	314 268 5 81413 94073 83531 94063 63156 268 5 00000	USB	(AB)
S06s	10325	24-5	0940	Thu	314 268 5 81413 94073 83531 94063 63156 268 5 00000	USB	(AB)
S06s	13145	24-5	1200	Thu	425 837 6 62314 52745 52894 03527 82419 73429 837 6 00000	USB	(AB/MPJ)
S06s	14535	24-5	1210	Thu	425 837 6 62314 52745 52894 03527 82419 73429 837 6 00000	USB	(AB/MPJ)
S06s	10230	28-5	1200	Mon	831 420 5 36806 37188 48254 44053 33023 420 5 00000	USB	(MPJ)
S06s	12165	28-5	1210	Mon	831 420 5 36806 37188 48254 44053 33023 420 5 00000	USB	(MPJ)
S06s	6810	29-5	1100	Tue	754 754 754 00000	USB	(MPJ)
S06s	7560	29-5	1110	Tue	754 754 754 00000	USB	(MPJ)
S06s	13145	31-5	1200	Thu	425 425 425 00000	USB	(MPJ)
S06s	14535	31-5	1210	Thu	425 425 425 00000	USB	(MPJ)
S11a	5149	1-5	0455	Tue	320/35 Vnmaniye 21135 03321 78316 ... 11320 72262 92156 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	17378	1-5	0735	Tue	383/00	USB	(HFD-QAT)
S11a	8800	1-5	1020	Tue	426/00	USB	(AB/MPJ/HFD)
S11a	11092	2-5	1540	Wed	569/35 Vnmaniye 54740 18473 68736 ... 31032 40356 43850 Vnmaniye (message repeated) Konets	USB	(AB/MPJ/HFD)
S11a	12457	2-5	1850	Wed	287/00	USB	(MPJ/HFD)
S11a	4870	2-5	1955	Wed	370/00	USB	(AB/HFD)
S11a	17378	3-5	0735	Thu	383/00	USB	(AB)
S11a	10210	3-5	1015	Thu	470/00	USB	(HFD)
S11a	5149	4-5	0455	Fri	320/00	USB	(AB/HFD)
S11a	8800	4-5	1020	Fri	421/00	USB	(AB)
S11a	4870	4-5	1955	Fri	376/00	USB	(AB/RL)
S11a	11092	5-5	1540	Sat	569/35 Vnmaniye 54740 18473 68736 ... 31032 40356 43850 Vnmaniye (message repeated) Konets	USB	(AB/MPJ)
S11a	12457	5-5	1850	Sat	287/00	USB	(AB)
S11a	5737	6-5	2050	Sun	483/00	USB	(AB/HFD)
S11a	5149	8-5	0455	Tue	321/00	USB	(AB)
S11a	8800	8-5	1020	Tue	421/00	USB	(AB)
S11a	11092	9-5	1540	Wed	569/00	USB	(AB/HFD)
S11a	4870	9-5	1955	Wed	378/00	USB	(AB)
S11a	5737	9-5	2050	Wed	484/00	USB	(AB/RL)
S11a	17378	10-5	0735	Thu	384/00	USB	(AB)
S11a	10210	10-5	1015	Thu	476/00	USB	(AB)
S11a	8800	11-5	1020	Fri	421/00	USB	(AB/LA6LU)
S11a	4870	11-5	1955	Fri	370/00	USB	(AB/RL/LA6LU/G)

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S11a	12457	12-5	1850	Sat	284/00		USB	(AB)
S11a	5737	13-5	2050	Sun	482/00		USB	(AB/BW3-GRC)
S11a	10210	14-5	1015	Mon	476/00		USB	(AB)
S11a	5149	15-5	0455	Tue	322/00		USB	(AB)
S11a	11092	16-5	1540	Wed	561/00		USB	(MPJ)
S11a	12457	16-5	1850	Wed	280/00		USB	(AB/MPJ/RL)
S11a	4870	16-5	1955	Wed	378/35 Vnimanije 23474 94723 28328 ... 22477 36052 80068 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	5737	16-5	2050	Wed	486/00		USB	(AB)
S11a	5149	18-5	0455	Fri	320/00		USB	(AB)
S11a	8800	18-5	1020	Fri	420/00		USB	(AB)
S11a	4870	18-5	1955	Fri	zie 16-5		USB	(AB)
S11a	11092	19-5	1540	Sat	564/00		USB	(ER-HOL/MPJ)
S11a	12457	19-5	1850	Sat	286/00		USB	(AB/MPJ/RL)
S11a	5737	20-5	2050	Sun	483/00		USB	(AB)
S11a	10210	21-5	1015	Mon	471/38 Vnimanije 00193 86200 70834 ... 34896 41684 37870 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	5149	22-5	0455	Tue	322/00		USB	(AB)
S11a	17378	22-5	0735	Tue	381/00		USB	(AB)
S11a	8800	22-5	1020	Tue	427/37 Vnimanije 00568 32066 10557 ... 49591 53011 38523 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	11092	23-5	1540	Wed	567/00		USB	(AB/GHn/MPJ/B W3-HOL)
S11a	12457	23-5	1850	Wed	286/38 Vnimanije 40452 26772 11129 ... 00604 91060 62947 Vnimanije (message repeated)	Konets	USB	(AB/MPJ)
S11a	4870	23-5	1955	Wed	371/00		USB	(AB)
S11a	5737	23-5	2050	Wed	486/40 Vnimanije 91458 23709 43102 ... 06064 24524 60782 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	17378	24-5	0735	Thu	380/00		USB	(AB-AUT)
S11a	10210	24-5	1015	Thu	471/38 Vnimanije 00193 86200 70834 ... 34896 41684 37870 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	4870	25-5	1955	Fri	370/00		USB	(AB)
S11a	11092	26-5	1540	Sat	569/00		USB	(MPJ)
S11a	12457	26-5	1850	Sat	286/38 Attention 40452 26772 11128 ... 00604 81060 62847. Rpts. Konets		USB	(MPJ)
S11a	5737	27-5	2050	Sun	486/40 Vnimanije 91458 23709 43102 ... 06064 24524 60782 Vnimanije (message repeated)	Konets	USB	(AB)
S11a	11092	30-5	1540	Wed	569/00		USB	(AB/MPJ)
S11a	12457	30-5	1850	Wed	282/00		USB	(AB/MPJ)
S11a	4870	30-5	1955	Wed	377/00		USB	(AB)
S11a	5737	30-5	2050	Wed	483/00		USB	(AB)
S28	4625	20-5	1007	Sun	Buzzer on 2 transmitter sites: 4625 (site near S. Peterburg) and 4625.07 (site near Moscow)		USB	(AB)
UM01	6825	17-5	0752	Thu	10-minutes net: L4BN		CW	(JPL-Sib)
UM01	3350	17-5	1248	Thu	10-minutes net: HSN5 //4129 kHz		CW	(JPL-Sib)
UM01	4129	17-5	1248	Thu	10-minutes net: HSN5 //3350 kHz		CW	(JPL-Sib)
UM03	4617	2-5	0716	Wed	poss UM03 i.p. A6A66 DD543 3U576 6ND5T 6T734 U644T ... QRU QRU QRU QRU 9749 9749 SK SK		CW	(JPL-KOR)
UM10	5755	2-5	0748	Wed	10-minutes station: NTQN		CW	(JPL-KOR)

UM10	6810	3-5	0725	Thu	10-minutes net: 7NPA //7368 kHz (new freq and callsign)	CW	(JPL-KOR)
UM10	7368	3-5	0725	Thu	10-minutes net: 7NPA //6810 kHz (new freq and callsign)	CW	(JPL-KOR)
UM10	6825	3-5	0730	Thu	10-minutes net: L4BN (new frequency and callsign)	CW	(JPL-KOR)
UM10	4129	10-5	1122	Thu	10-minutes net: HSN5 (new callsign and frequency)	CW	(JPL-CHN)
UM10	3720	10-5	1127	Thu	10-minutes net: NJ6A	CW	(JPL-CHN)
UM10	4129	14-5	1825	Mon	10-minutes net: HSN5	CW	(JPL-CHN)
UM10	6810	24-5	0846	Thu	7NPA //7368 kHz	CW	(JPL-Sib)
UM10	7368	24-5	0846	Thu	7NPA //6810 kHz	CW	(JPL-Sib)
V02a	8135	22-5	2300	Tue	V02a instead of M08a	USB	(KA1IIC)
V07	14482	6-5	0500	Sun	435 435 435 1 378 61 378 61 86864 14077 21540 ... 21745 03347 24552 000 000	USB	(Dan)
V07	14482	13-5	0500	Sun	435 435 435 000	USB	(Dan)
V07	13382	13-5	0520	Sun	435 435 435 000	USB	(Dan)
V07	14482	20-5	0500	Sun	435 435 435 1 331 57 331 57 04791 40861 02969 ... 84442 56948 29650 000 000	USB	(rizla)
V07	13382	20-5	0520	Sun	435 435 435 1 331 57 331 57 04791 40861 02969 ... 84442 56948 29650 000 000	USB	(rizla)
V07	11582	20-5	0540	Sun	435 435 435 1 331 57 331 57 04791 40861 02969 ... 84442 56948 29650 000 000	USB	(rizla)
V07	13382	27-5	0500	Sun	435 435 435 000	USB	(SDX)
V07	14482	27-5	0500	Sun	435 435 435 000	USB	(SDX)
V07	14482	27-5	0500	Sun	435 0	USB	(HFD-USA)
V07	13385	27-5	0520	Sun	435 0	USB	(HFD-USA)
V13	13974	1-5	1314	Tue	New Star Broadcasting i.p.	AM	(phi-CHN)
V13	18040	23-5	0500	Wed	New Star Broadcasting	AM	(AB-CHN)
V13	9725	31-5	0400	Thu	New Star Broadcasting	AM	(Nico)
V13	9725	31-5	0500	Thu	New Star Broadcasting	AM	(Nico)
V15	6400	10-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean	AM	(BW3-J)
V15	3320	19-5	1448	Sat	Tentative V15	AM	(BW3-J)
V15	657	24-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //3320, 6400 kHz	AM	(BW3-J)
V15	3320	24-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //675, 6400 kHz	AM	(BW3-J)
V15	6400	24-5	1545	Thu	North Korean intelligence via PBS Pyongyang Pansong. Message in Korean //675, 3320 kHz	AM	(BW3-J)
V24	6310	8-5	1530	Tue	Music followed by a message in Korean	AM	(AB-KOR)
V24	5900	15-5	1609	Tue	Message in Korean	AM	(BW3-J)
V24	5150	18-5	1400	Fri	Pop song followed by a message in Korean. Male operator	AM	(AB-KOR)
V24	5900	18-5	1600	Fri	Pop song followed by a message in Korean. Male operator	AM	(AB-KOR/BW3-J)
V24	5900	22-5	1600	Tue	Pop music followed by a message in Korean	AM	(AB-J)
V26	4364	3-5	1130	Thu	Callup in Chinese. Male operator //8073	USB	(JPL)
V26	8073	3-5	1130	Thu	Callup in Chinese. Male operator //4364	USB	(JPL)
V26	4243	3-5	1216	Thu	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	9054	3-5	1216	Thu	Messages in Chinese. Female operator //4243	USB	(JPL)
V26	4243	10-5	1212	Thu	Messages in Chinese. Female operator //9054	USB	(JPL)
V26	9054	10-5	1212	Thu	Messages in Chinese. Female operator //4243	USB	(JPL)
V28	2970	3-5	1035	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)

V28	2998	3-5	1035	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3047	3-5	1035	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2996	4-5	1033	Fri	Parrot. Messages in Korean	AM	(HK)
V28	3049	4-5	1033	Fri	Parrot. Messages in Korean	AM	(HK)
V28	3518	4-5	1033	Fri	Parrot. Messages in Korean	AM	(HK)
V28	4494	4-5	2159	Fri	Parrot. Messages in Korean	AM	(HK)
V28	4630	4-5	2200	Fri	Parrot. Messages in Korean	AM	(HK)
V28	5162	4-5	2202	Fri	Parrot. Messages in Korean	AM	(HK)
V28	4962	4-5	2204	Fri	Parrot. Messages in Korean	AM	(HK)
V28	2929	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	2929	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	3050	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	3050	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	3518	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	3518	5-5	1000	Sat	Parrot. Messages in Korean	AM	(HK)
V28	2998	5-5	1002	Sat	Parrot. Messages in Korean	AM	(HK)
V28	2998	5-5	1002	Sat	Parrot. Messages in Korean	AM	(HK)
V28	2998	13-5	1000	Sun	Parrot. Message in Korean	AM	(HK)
V28	3048	13-5	1000	Sun	Parrot. Message in Korean	AM	(HK)
V28	3518	13-5	1000	Sun	Parrot. Message in Korean	AM	(HK)
V28	2930	13-5	1006	Sun	Parrot. Message in Korean. Moved to 2934 kHz	AM	(HK)
V28	2934	13-5	1006	Sun	Parrot. Message in Korean. Comes from 2930 kHz	AM	(HK)
V28	4622	29-5	2200	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4950	29-5	2200	Tue	Parrot. Messages in Korean	AM	(HK)
V28	5215	29-5	2200	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4480	29-5	2202	Tue	Parrot. Messages in Korean. Moves 4482 kHz	AM	(HK)
V28	4482	29-5	2202	Tue	Parrot. Messages in Korean. Moved from 4480 kHz	AM	(HK)
V28	4494	29-5	2202	Tue	Parrot. Messages in Korean. Moved from 4480 to 4482 to 4494 kHz	AM	(HK)
V28	3518	30-5	1009	Wed	Parrot. Messages in Korean. Female operator	AM	(HK)
VC01	6886.5	7-5	2006	Mon	Chinese Robot	LSB	(Phi-CHN)
VC01	4203	10-5	1515	Thu	Chinese Robot i.p.	USB	(BW3-J)
VC01	4203	11-5	1422	Fri	Chinese Robot i.p.	USB	(AB)
VC01	8012	17-5	2030	Thu	Chinese Robot	USB	(Nico)
VC01	8012	17-5	2041	Thu	Chinese Robot	USB	(Phi)
VC01	8012	17-5	2111	Thu	Chinese Robot i.p.	USB	(LA6LU)
VC01	8806	19-5	0402	Sat	Chinese Robot i.p.	USB	(BW3-J)
VC01	4203	22-5	1609	Tue	Chinese Robot i.p.	USB	(AB-J)
VC01	6887	22-5	1609	Tue	Chinese Robot i.p.	LSB	(AB-J)
VC01	4770	23-5	0511	Wed	Chinese Robot i.p.	LSB	(AB)
VC01	8012	23-5	0511	Wed	Chinese Robot i.p.	USB	(AB)

X06	12055	5-5	1420	Sat	Mazielka. Sequence: 256134	MFSK-6	(phi)
X06	15828	5-5	1428	Sat	Mazielka. Sequence: 256134	MFSK-6	(phi)
X06	12055	5-5	1435	Sat	Mazielka. Sequence: 256134	MFSK-6	(Phi)
X06	17463	5-5	1448	Sat	Mazielka. Sequence: 256134	MFSK-6	(phi)
X06	11093	5-5	1457	Sat	Mazielka. Sequence: 256134	MFSK-6	(phi)
X06	11093	5-5	1502	Sat	Mazielka. Sequence: 256134	MFSK-6	(Phi)
X06	15828	5-5	1510	Sat	Mazielka. Sequence: 256134	MFSK-6	(phi)
X06b	17451	7-5	1316	Mon	Mazielka. Sequence: 666666 before M12. Ends at 1318z	MFSK-6	(AB)
X06b	5474	7-5	1746	Mon	Mazielka. Sequence: 116666. Ended at 1825z	USB	(AB)
X06b	17462	11-5	1750	Fri	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14538	15-5	1851	Tue	Mazielka. Sequence: 116611	MFSK-6	(Dan)
X06b	17467	18-5	0624	Fri	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	14538	20-5	1907	Sun	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
X06b	14538	20-5	1913	Sun	Mazielka. Sequence: 251166 before XPA2	MFSK-6	(Dan)
X06b	13538	22-5	1903	Tue	Mazielka. Sequence: 111666 before XPA2	MFSK-3	(Dan)
X06b	14538	22-5	1903	Tue	Mazielka. Sequence: 111666 before XPA2	MFSK-3	(Dan)
X06b	11541	23-5	0647	Wed	Mazielka. Sequence: 1111666 before XPA2	MFSK-6	(AB)
X06b	17462	25-5	1832	Fri	Mazielka. Sequence: 111666 before XPA2	MFSK-6	(Dan)
XPA	10868	2-5	0600	Wed	355 355 355 000 06812 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA	12168	2-5	0620	Wed	355 355 355 000 06812 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA	13368	2-5	0640	Wed	355 355 355 000 06812 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA	10868	7-5	0600	Mon	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB/HFD)
XPA	12168	7-5	0620	Mon	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB/HFD)
XPA	13368	7-5	0640	Mon	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB/HFD)
XPA	10868	9-5	0600	Wed	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB)
XPA	12168	9-5	0620	Wed	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB)
XPA	13368	9-5	0640	Wed	813 813 813 1 00464 00073 41560 ... 70165 18687 07564	MFSK-20/10Bd	(AB)
XPA	10868	14-5	0600	Mon	813 813 813 000 06232 00001 00000 33261	MFSK-20/10Bd	(AB)
XPA	12168	14-5	0620	Mon	813 813 813 000 06232 00001 00000 33261	MFSK-20/10Bd	(AB)
XPA	13368	14-5	0640	Mon	813 813 813 000 06232 00001 00000 33261	MFSK-20/10Bd	(AB)
XPA	10868	16-5	0600	Wed	813 813 813 000 04664 00001 00000 36262	MFSK-20/10Bd	(AB)
XPA	12168	16-5	0620	Wed	813 813 813 000 04664 00001 00000 36262	MFSK-20/10Bd	(AB)
XPA	13368	16-5	0640	Wed	813 813 813 000 04664 00001 00000 36262	MFSK-20/10Bd	(AB)
XPA	10868	21-5	0600	Mon	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA	12168	21-5	0620	Mon	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA	13368	21-5	0640	Mon	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA	10868	23-5	0600	Wed	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA	12168	23-5	0620	Wed	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA	13368	23-5	0640	Wed	813 813 813 1 09930 00059 25670 ... 94771 82107 52544	MFSK-20/10Bd	(AB)
XPA2	19667	1-5	0700	Tue	05702 00001 00000 35655	MFSK-16/20Bd	(AB-RUS/HFD)

XPA2	18767	1-5	0720	Tue	05702 00001 00000 35655	MFSK-16/20Bd	(AB-RUS/HFD)
XPA2	17467	1-5	0740	Tue	05702 00001 00000 35655	MFSK-16/20Bd	(AB/HFD)
XPA2	14828	1-5	1940	Tue	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB)
XPA2	14538	1-5	2000	Tue	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS/Dan/HFD)
XPA2	13538	1-5	2020	Tue	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS/Dan/HFD)
XPA2	12138	1-5	2040	Tue	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS/Dan/HFD)
XPA2	11541	2-5	0700	Wed	01769 00001 00000 41257	MFSK-16/20Bd	(Danix)
XPA2	13441	2-5	0720	Wed	01769 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	14941	2-5	0740	Wed	01769 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	19667	4-5	0700	Fri	05457 00001 00000 36662	MFSK-16/20Bd	(AB-RUS)
XPA2	18767	4-5	0720	Fri	05457 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	17467	4-5	0740	Fri	05457 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	17462	4-5	1900	Fri	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB/HFD)
XPA2	16114	4-5	1920	Fri	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB/HFD)
XPA2	14828	4-5	1940	Fri	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(HFD)
XPA2	17462	5-5	1900	Sat	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB)
XPA2	16114	5-5	1920	Sat	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB/BW3-RUS)
XPA2	14828	5-5	1940	Sat	00244 00075 65823 ... 75283 35190 51637	MFSK-16/20Bd	(AB)
XPA2	14538	6-5	2000	Sun	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS)
XPA2	13538	6-5	2020	Sun	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS)
XPA2	12138	6-5	2040	Sun	08953 00095 81062 ... 50870 30424 40745	MFSK-16/20Bd	(AB-RUS)
XPA2	11541	7-5	0700	Mon	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	13441	7-5	0720	Mon	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	14941	7-5	0740	Mon	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	19667	8-5	0700	Tue	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB-RUS)
XPA2	18767	8-5	0720	Tue	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB-RUS)
XPA2	17467	8-5	0740	Tue	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB)
XPA2	14538	8-5	2000	Tue	08720 00001 00000 34662	MFSK-16/20Bd	(AB-RUS)
XPA2	13538	8-5	2020	Tue	08720 00001 00000 34662	MFSK-16/20Bd	(AB-RUS)
XPA2	12138	8-5	2040	Tue	08720 00001 00000 34662	MFSK-16/20Bd	(AB-RUS)
XPA2	11541	9-5	0700	Wed	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	13441	9-5	0720	Wed	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	14941	9-5	0740	Wed	00355 00211 80555 ... 70173 18413 50571	MFSK-16/20Bd	(AB)
XPA2	19667	11-5	0700	Fri	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB-RUS)
XPA2	18767	11-5	0720	Fri	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB-RUS)
XPA2	17467	11-5	0740	Fri	00139 00137 55835 ... 43156 78091 02717	MFSK-16/20Bd	(AB)
XPA2	17462	11-5	1900	Fri	05395 00001 00000 35266	MFSK-16/20Bd	(AB/Dan)

XPA2	16114	11-5	1920	Fri	05395 00001 00000 35266	MFSK-16/20Bd	(AB/Dan)
XPA2	14828	11-5	1940	Fri	05395 00001 00000 35266	MFSK-16/20Bd	(AB/Dan)
XPA2	17462	12-5	1900	Sat	01674 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	16114	12-5	1920	Sat	01674 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	14828	12-5	1940	Sat	01674 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	14538	13-5	2000	Sun	03194 00001 00000 33664	MFSK-16/20Bd	(AB)
XPA2	13538	13-5	2020	Sun	03194 00001 00000 33664	MFSK-16/20Bd	(AB)
XPA2	12138	13-5	2040	Sun	03194 00001 00000 33664	MFSK-16/20Bd	(AB)
XPA2	11541	14-5	0700	Mon	07946 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	13441	14-5	0720	Mon	07946 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	14941	14-5	0740	Mon	07946 00001 00000 40663	MFSK-16/20Bd	(AB)
XPA2	14538	15-5	2000	Tue	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB-RUS/Dan)
XPA2	13538	15-5	2020	Tue	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB-RUS/Dan)
XPA2	12138	15-5	2040	Tue	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB-RUS/Dan)
XPA2	11541	16-5	0700	Wed	08452 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	13441	16-5	0720	Wed	08452 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	14941	16-5	0740	Wed	08452 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	11504	17-5	1810	Thu	04817 00072 18987 08563 ... 38639 09290 53402 30753	MFSK-16/20Bd	(MPJ)
XPA2	10751	17-5	1820	Thu	04817 00072 18987 08563 ... 38639 09290 53402 30753	MFSK-16/20Bd	(MPJ)
XPA2	10559	17-5	1840	Thu	02298 00074 22919 ... 48554 05853 70045	MFSK-16/20Bd	(AB)
XPA2	9372	17-5	1850	Thu	02298 00074 22919 ... 48554 05853 70045	MFSK-16/20Bd	(AB)
XPA2	19667	18-5	0700	Fri	04452 00001 00000 33662	MFSK-16/20Bd	(AB-AUT)
XPA2	18767	18-5	0720	Fri	04452 00001 00000 33662	MFSK-16/20Bd	(AB-AUT)
XPA2	17467	18-5	0740	Fri	04452 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	17462	18-5	1900	Fri	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	16114	18-5	1920	Fri	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14828	18-5	1940	Fri	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	17462	19-5	1900	Sat	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	19-5	1920	Sat	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	19-5	1940	Sat	00511 00121 34757 ... 38200 70129 21525	MFSK-16/20Bd	(AB/MPJ)
XPA2	14538	20-5	2000	Sun	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	20-5	2020	Sun	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	20-5	2040	Sun	08778 00113 13910 ... 21788 31668 17046	MFSK-16/20Bd	(AB/Dan)
XPA2	11541	21-5	0700	Mon	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	13441	21-5	0720	Mon	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	14941	21-5	0740	Mon	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	19667	22-5	0700	Tue	Stops after 62nd group. 08524 00129 73211 ... 22061 07019 40729	MFSK-16/20Bd	(AB-RUS)
XPA2	18767	22-5	0720	Tue	08524 00129 73211 ... 06129 77368 65177	MFSK-16/20Bd	(AB-AUT)
XPA2	17467	22-5	0740	Tue	08524 00129 73211 ... 06129 77368 65177	MFSK-16/20Bd	(AB)
XPA2	14538	22-5	2000	Tue	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB-RUS/Dan)

XPA2	13538	22-5	2020	Tue	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB-RUS/Dan/BW3)
XPA2	12138	22-5	2040	Tue	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB/Dan/BW3)
XPA2	11541	23-5	0700	Wed	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	13441	23-5	0720	Wed	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	14941	23-5	0740	Wed	00246 00135 92431 ... 52925 01166 33502	MFSK-16/20Bd	(AB)
XPA2	17462	25-5	1900	Fri	07478 00001 00000 37266	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	16114	25-5	1920	Fri	07478 00001 00000 37266	MFSK-16/20Bd	(AB/Dan)
XPA2	14828	25-5	1940	Fri	07478 00001 00000 37266	MFSK-16/20Bd	(AB/BW3-HOL/Dan)
XPA2	17462	26-5	1900	Sat	04681 00001 00000 34664	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	26-5	1920	Sat	04681 00001 00000 34664	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	26-5	1940	Sat	04681 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	14538	27-5	2000	Sun	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	27-5	2020	Sun	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	27-5	2040	Sun	09964 00057 90619 ... 22572 10924 72503	MFSK-16/20Bd	(AB/Dan)
XPA2	14538	29-5	2000	Tue	07415 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	13538	29-5	2020	Tue	07415 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	12138	29-5	2040	Tue	07415 00001 00000 35660	MFSK-16/20Bd	(AB)
XSL	8313	31-5	1630	Thu	Japanese Maritime Self Defense Forces station a.k.a. slot machine	QPSK-1500	(BW3-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-AUT	Ary Boender via remote rx Austria	HK	Hiroyuki Komatsubara, Japan
AB-CHN	Ary Boender via remote rx China	Josh	Josh
AB-FIN	Ary Boender via remote rx Finland	JPL-CHN	JPL via remote rx China
AB-G	Ary Boender via remote rx UK	JPL-KOR	JPL via remote rx South Korea
AB-J	Ary Boender via remote rx Japan	JPL-Sib	JPL via remote rx Siberia
AB-KOR	Ary Boender via remote rx South Korea	JPL-UKR	JPL via remote rx Ukraine
AB-POL	Ary Boender via remote rx Poland	JU	Jay Updike, W. Europe
AB-RUS	Ary Boender via remote rx Russia	KA1IIC	KA1IIC, Vince, USA
AnEur	Anonymous Europe	Kalv	Kalvados
Au	Aurora	LA6LU	Geir Laastad, Norway
BW3	Barry Williams, AL, USA	MPJ	Jim, SW England
BW3-GRC	Barry Williams via remote rx Greece	MPJ-AUT	Jim via remote rx Austria
BW3-HOL	Barry Williams via remote rx Netherlands	MPJ-HOL	Jim via remote rx Netherlands
BW3-J	Barry Williams via remote rx Japan	MPJ-I	Jim via remote rx Italy
BW3-POL	Barry Williams via remote rx Poland	MPJ-NOR	Jim via remote rx Norway
BW3-RUS	Barry Williams via remote rx Russia	MPJ-RUS	Jim via remote rx Russia
CM2	Chris Malboef	NH2	Nige, UK
Dan	Daniel, Argentina	Nico	Nico, near Paris, France
DK8OK	DK8OK Nils Schiffhaur, D	Phi	Philby
EB4APL	EB4APL Ignacio	Phi-CHN	Philby via remote rx China
ER-HOL	Ernie Rice via remote rx the Netherlands	qsr711	QSR711
EW	Eddy Waters, Australia	Rizla	Rizla, AZ, USA
GHn	Gary Hagermann, UK	RL	Roberto Landolpho, Brazil
HFD	Hans-Friedrich Dumrese, Germany	RR2	Rich Ray, IL, USA
HFD-CHN	Hans-Friedrich Dumrese via remote rx China	SDX	Sat Dxer
HFD-POL	Hans-Friedrich Dumrese via remote rx Poland	SP1	Sylvain, France
HFD-QAT	Hans-Friedrich Dumrese via remote rx Qatar	W9SPY	Curt
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia	WP3	Wolfgang Palmberger
HFD-UKR	Hans-Friedrich Dumrese via remote rx Ukraine		

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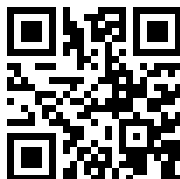
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148 57054 92636 89428 43286 10385 18878 16644 31277
48 40932 76987 22123 49817 26385 81287 65481 87384 31
721 75654 55656 12737 72727 72727 91918 63473 67867 2
723 87629 37677 22612 53498 71296 28756 18276 98716 8
269 76329 74698 78857 98678 27881 58781 57681 73648 1
81 87384 87385 96710 27630 12673 84769 28743 98127
3 63298 75698 27685 87326 49876 28376 81273 98615
47 67432 74326 78674 29867 32867 67867 86786 83286 8
37 68768 68768 34234 34238 88768 62342 48272 68768 2
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