

0	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	40
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
99	98798	98754	98754	98754	98754	29867	67543	67986	90
0	87698	69876	87698	69876	87612	12341	34867	86798	60
7	43298	65656	56756	56123	32143	14321	32143	14321	30
707	58767	76587	58765	76587	58765	76587	76587	58756	50

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #265, October 2019

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

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

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



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## FOREWORD

Welcome to the 265<sup>th</sup> edition of **Numbers & Oddities**.

The Russians revived three old F01 and F06 (70202) schedules. The results are in the relevant sections. Russian military stations were more active than usual because of a drill. Some unscheduled E06 transmissions were found and we jotted down a number of messy M01 and M14 messages. HK logged quite some V28 traffic from North Korea and HM01 is still a mess.

Thanks to the 19 contributors. Please keep your logs coming !

### **Secret Communications exhibition in Duivendrecht, The Netherlands.**

Organised by the Foundation for German Technology and the Crypto Museum.

Open from 1000 to 1700 hours local time (0800-1500 UTC) on the following dates:

Saturday 16 November 2019

Saturday 23 November 2019

Saturday 7 December 2019

Saturday 21 December 2019

Sunday 12 January 2020



*The events are to be held:*  
*Kloosterstraat 23-25*  
*1115BJ Duivendrecht*  
*The Netherlands*  
*www.cdvandt.org*

**Crypto Museum**  
cryptomuseum.com

*On Sats.*  
*16 and 23 Nov 2019*  
*07 and 21 Dec 2019*  
*On Sun. 12 Jan 2020*  
*Opening time from*  
*10.00 to 17.00 h.*

**SECRET**

**COMMUNICATIONS 3**

More about the exhibition and how to get there can be found on the Crypto Museum website.

<https://www.cryptomuseum.com/events/2019/sc/index.htm>

Foundation for German Technology

<https://www.cdvandt.org>

<http://www.cdvandt.org/secret-comms-3-flyer-2.htm>



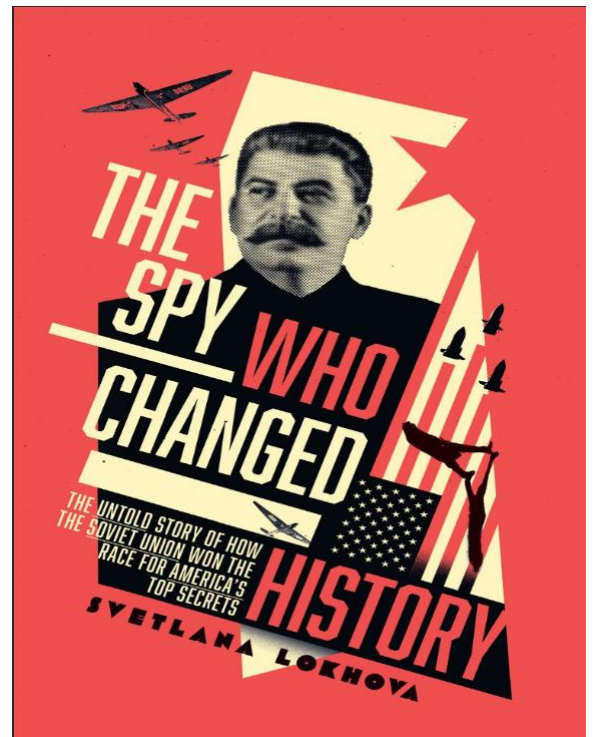

**Encyclopedia of Espionage, Intelligence, and Security volume 1**  
[http://www.lander.odessa.ua/doc/Encyclopedia\\_of\\_Espionage\\_Intelligence\\_Security\\_Vol\\_I\\_By\\_Lee\\_Lerner\\_Brenda\\_Lerner.pdf](http://www.lander.odessa.ua/doc/Encyclopedia_of_Espionage_Intelligence_Security_Vol_I_By_Lee_Lerner_Brenda_Lerner.pdf)

*Encyclopedia of Espionage, Intelligence, and Security volume 2*  
[http://www.lander.odessa.ua/doc/Encyclopedia\\_of\\_Espionage\\_Intelligence\\_Security\\_Vol\\_II\\_By\\_Lee\\_Lerner\\_Brenda\\_Lerner.pdf](http://www.lander.odessa.ua/doc/Encyclopedia_of_Espionage_Intelligence_Security_Vol_II_By_Lee_Lerner_Brenda_Lerner.pdf)

The book cover is a collage of various elements related to American espionage. At the top, a magnifying glass with a wooden handle is positioned over the title. The title itself is 'Spies, Wiretaps, and SECRET Operations', with 'SECRET' in a large, red, stamped font. Below the title is the subtitle 'AN ENCYCLOPEDIA OF AMERICAN ESPIONAGE'. The background is a dark, textured purple. Various images are scattered across the cover: a circular seal of the Central Intelligence Agency on the left; a black and white portrait of Dwight D. Eisenhower; a photograph of a jet airplane in flight; a photograph of a woman in a historical, ornate dress; a photograph of a man in a military uniform; and the official seal of the Federal Bureau of Investigation (FBI) at the bottom center. In the center, there is a collection of espionage-related items, including a watch, a camera, a microphone, and a small box labeled 'Marlboro'. The editor's name, 'GLENN P. HASTEDT, EDITOR', is printed at the bottom right.

***The spy who changed history*** by Svetlana Lokhova  
<http://willzuzak.ca/cl/bookreview/Lokhova2018SpyWhoChangedHistory.pdf>

ENCYCLOPEDIA OF  
Espionage, Intelligence, and Security



***Spies, Wiretaps and Secret Operations*** by Glenn P. Hastedt,  
<https://pdfs.semanticscholar.org/814b/89f86566fd44931aba45e7fc6012dcd2bab6.pdf>

## VOICE STATIONS

### E06

**18425 kHz, 03-10/04-10, 0600 UTC**

**20230 kHz, 03-10/04-10, 0700 UTC**

186 724 50

91170 58519 84373 37056 31774 58398 63680 11180 80511 43290  
47586 95016 56681 86325 59914 73571 89795 32401 86845 61224  
44110 39582 77671 74229 24889 29196 88999 20501 71105 68049  
89607 92632 64243 31218 68124 75059 07910 18834 10739 01334  
57926 25321 41107 22428 07607 84505 39660 72012 57889 39040  
724 50 00000

**5197 kHz, 04-10, 2130 UTC**

634 472 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92192 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
472 52 00000

Windows shut down sound

**18425 kHz, 17-10/18-10, 0600 UTC**

**20230 kHz, 17-10/18-10, 0700 UTC**

186 932 57

95250 82789 58896 69587 89378 22765 00661 63912 68906 61772  
11823 46736 50014 61043 84168 57621 08720 69355 53043 73078  
01477 10781 49839 12736 14776 35450 79574 70996 42193 94026  
84510 78874 12311 71978 79744 25693 15958 19520 71705 95333  
06205 45339 95503 96719 69548 66270 32063 93236 91725 30116  
90975 60749 66595 53798 70017 28934 21522  
932 57 00000

**5186 kHz, 17-10, 2030 UTC**

891 472 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92192 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
472 52 00000

**5197 kHz, 18-10, 2130 UTC**

634 972 42

45671 65736 96930 23572 72375 23672 92358 23653 29359 23659  
12345 23582 23692 60232 23658 23689 13245 23682 03956 01956  
69382 23765 83726 96874 27165 96844 43837 34572 28716 65896  
23876 26372 90684 76845 27252 13945 76845 94038 37265 57693  
48690 03856  
972 42 00000

**13457 kHz, 19-10/20-10, 1740 UTC**

**10204 kHz, 19-10/20-10, 1840 UTC**

634 219 50

62731 51192 35605 50188 20459 57557 91512 27359 80713 61976  
85097 31547 77015 90521 14086 63174 45446 68406 03544 17569  
87609 03523 67321 10927 94230 73202 85608 86851 71591 25141  
53296 76899 37984 28411 78818 13554 82372 35524 38181 19093  
02449 41453 13838 18764 64266 50569 73137 51715 50652 87430  
219 50 00000

**9067 kHz, 24-10, 0900 UTC. Probably an exercise**

910 783 82

10704 62153 32823 82897 89969 99190 91378 91628 59001 99239  
06202 39321 68772 21728 72261 64960 09890 73088 63687 24026  
58953 07286 80169 39270 26177 32703 25109 10181 96479 86294  
20178 04579 81201 60981 86010 80777 22673 97195 43680 13752  
18789 74520 16673 23743 59794 64375 38036 30747 94466 29666  
92388 83312 67877 82344 47477 35103 97923 34823 54983 67640  
82818 06165 25243 82684 56722 69006 05591 12673 35709 48132  
16993 22671 21254 06651 28678 02261 53423 80704 75443 70802  
30960 48656  
743 82 00000

## **E07**

**11156/9356/8056 kHz, 02-10/06-10/09-10, 1700/1720/1740 UTC**

130 130 130 1 659 121 659 121

78926 52608 50985 25597 47562 48126 67599 28876 41995 15223  
80003 12476 19109 24267 37455 72368 66278 45562 64604 47160  
49135 46759 66579 09341 11268 29707 19062 27545 64357 23794  
75658 11838 91859 64838 65275 79524 12236 86675 36452 88898  
87928 43066 52052 34397 50945 69107 12081 14813 75779 27354  
80363 88807 30072 80923 91299 01801 82340 08167 35578 19014  
65095 07582 01374 89988 88206 59154 53167 09145 88246 44859  
26584 63304 47586 25665 42304 89553 44959 56219 17786 46968  
92437 88862 95401 55210 16718 77988 08059 32347 49375 63404  
90713 35182 21538 77189 68777 69693 52275 53691 72040 99892  
38101 85435 65807 56193 35741 94512 01291 28562 97126 86957  
22241 01157 16572 50476 88604 48927 45825 06134 98393 50307  
40256 000 000

**11539/10139/8139 kHz, 07-10/09-10/14-10/16-10, 1900/1920/1940 UTC**

511 511 511 1 103 56 103 56

37284 71404 17793 28552 07171 52789 87220 64141 71384 58100  
22034 63765 20950 96214 85839 47012 87470 39408 27672 27423  
40821 03339 10240 34134 57590 97147 38572 31339 38763 05330  
89755 28787 11508 28614 42100 72289 75787 46324 85481 84357  
08310 43736 48436 75570 78648 64548 07681 18401 39142 01535  
35759 41567 40585 98048 64398 97946 000 000

**15962/17462/18542 kHz, 08-10/11-10, 0700/0720/0740 UTC**

945 945 945 1 596 182 596 182  
93925 96816 44105 95657 49786 33041 30140 10503 05531 00384  
35377 14607 35844 97071 44286 26738 61648 62050 07153 55587  
47887 30432 00617 19257 81018 10550 28706 07005 03577 97761  
41161 41998 91265 87779 68535 25863 51712 41693 89931 59525  
77173 46409 88436 45135 30482 43379 99439 69833 27960 06356  
33835 59027 60013 77841 91543 21061 95343 61180 08011 69365  
82914 41971 98590 79044 55616 02086 45665 84175 63131 00104  
28556 38319 57248 25599 98124 09231 82620 19936 97992 59066  
29730 89859 53831 76101 75030 44875 31342 76309 90067 25472  
48915 70850 39109 28029 49614 95719 92334 19222 05154 07895  
70742 05138 94727 60260 47082 50326 87988 14065 05933 03048  
46571 16906 44303 47392 32763 22503 09110 49364 87212 20592  
04582 31954 80160 83847 63476 16064 61783 79073 31621 76955  
23247 06096 07890 25724 59488 28841 50945 06488 87722 37943  
88889 67154 25086 52669 03879 00946 18992 18502 77272 50848  
61537 75527 09783 12467 79274 15504 34508 16813 66448 51593  
70179 66269 13847 29068 97261 78244 98703 11267 34414 44706  
11379 74540 98102 56190 56083 91390 75273 41424 89341 18658  
79233 42855 000 000

**17471/15871/13971 kHz, 08-10/11-10, 1100/1120/1140 UTC**

489 489 489 1 402 116 402 116  
08364 36615 02031 15620 66323 09511 43319 56680 50195 68736  
15588 45860 88194 35642 56958 73352 58295 63028 80255 15370  
33201 60925 28471 95662 23972 43237 82673 20769 14106 67821  
43749 13638 84469 45146 03030 06360 27788 60689 61125 61532  
80655 83236 63791 33587 57101 27816 42156 33117 18276 38785  
71294 85798 91440 38734 70182 88162 94026 77124 26521 01650  
35218 83214 52606 94655 08405 77858 39713 36998 64115 91503  
48749 62268 51371 70836 91169 62131 33795 88079 03621 56784  
17404 99015 77649 46472 49228 20691 55617 12040 15011 05714  
72658 51615 32808 38770 24072 08243 52135 24853 30623 11874  
25683 26123 14603 32971 33183 75169 65617 12818 10633 89769  
87154 20500 36980 64435 45577 28782 000 000

**17471/15871/13971 kHz, 15-10/18-10, 1100/1120/1140 UTC**

489 489 489 1 654 88 654 88  
48709 06531 99707 89160 22642 92889 53530 02910 15103 04511  
64749 98621 37609 47404 12812 75752 41816 29649 74057 96601  
79076 47889 40913 77638 20135 69236 87122 08878 01306 93072  
04336 32332 13012 57733 24193 02749 09674 41617 55942 93059  
23846 59353 26148 52980 56008 70873 00405 65569 40598 39101  
31230 06220 34902 51605 20330 80216 66329 42039 49790 09100  
51317 20328 19823 82647 48899 75435 20443 24805 87751 85979  
16911 95276 27371 45030 87274 49265 78800 25021 39287 73624  
42980 78786 69386 20248 98356 95027 41529 70384 000 000

**15962/17462/18542 kHz, 22-10/25-10, 0700/0720/0740 UTC**

945 945 945 1 9685 132 9685 132  
58489 42044 89826 81827 25859 65720 34630 07413 15465 69391  
90173 67930 61789 94179 87185 57285 09123 29136 31171 09337  
35428 82830 19767 01828 13230 83127 09235 92150 94530 16239  
35234 49284 76151 16696 07935 23225 94882 88223 35973 07964  
00500 82787 47586 34124 43857 85248 87858 09899 51267 24070  
19198 54623 47870 58372 29393 03718 86592 64974 13086 27151  
23523 68066 67998 89819 88684 02006 55080 12591 41909 10443  
28790 74003 89669 80717 37655 92383 19222 90228 31766 21632  
54065 39505 32007 22892 99992 69862 13996 83281 70786 51391  
40805 26018 60432 66644 56065 48897 92967 19443 49116 32582  
60433 76004 08180 97351 31868 55288 43398 54435 08225 76537  
73860 68994 76169 01137 71593 70911 22889 97866 12895 44706  
00143 71031 38970 07823 88276 02848 43461 00747 07410 09985  
43496 34836 000 000

**11156/9356/8056 kHz, 20-10/23-10, 1700/1720/1740 UTC**

130 130 130 1 5980 75 5980 75  
22192 83204 04746 69682 98216 21832 25559 52381 59719 36987  
62551 67952 67892 00407 22876 90515 53008 88107 10329 28356  
41774 98631 84144 68602 68754 90962 86610 54369 53212 11334  
54904 82147 70782 03571 40537 23185 42830 96574 70685 11528  
54150 89392 05995 07329 75489 68954 85725 18882 42269 31249  
36527 48559 51436 93826 13984 07199 63686 59608 82605 12603  
60371 82805 34318 85702 71280 87464 07882 45197 42643 45749  
18944 08750 35994 94781 11839 000 000

**15849/14849/13449 kHz, 24-10/26-10, 1410/1430/1450 UTC**

746 746 746 1 620 60  
81249 58707 29844 54027 73466 29987 19015 34655 76082 28314  
20800 17278 44365 19580 49289 62112 24022 15766 43663 48886  
22971 02786 50451 31768 48784 39401 51909 12155 52800 28125  
04471 42810 07598 56907 56398 64960 53118 38565 03258 18704  
15287 47202 63095 15710 54826 05064 87901 68536 75097 92501  
12730 70572 57655 47152 70037 03417 50399 13723 21261 17094  
000 000

**17471/15871/13971 kHz, 29-10, 1100/1120/1140 UTC**

489 489 489 1 302 66 302 66  
93706 17392 02018 54418 02186 66746 94004 39430 60064 47110  
76448 70538 83770 77037 52406 64891 95092 47098 38764 45576  
38712 59313 62246 78237 22051 58712 19884 27246 87919 36920  
87507 35887 28764 47772 02861 86139 16382 14872 99016 94257  
19965 29671 43537 98833 64210 91936 50616 69974 50256 07466  
35895 99523 25701 25767 81607 43592 77986 53370 84876 73769  
33982 14813 85958 46136 11381 80332 000 000

**E11a****6823 kHz, 02-10/06-10, 1625 UTC**

970/38 Attention  
88395 29059 64742 92267 10233 55716 42955 40726 55111 41330  
16325 83290 59626 95894 97190 97489 17420 58766 89231 85716  
39925 72983 07096 17644 24500 51485 62124 39517 82870 07296  
59590 20356 45190 56845 51847 97021 64846 18846  
Attention (message repeated) Out

**8530 kHz, 04-10/06-10, 1910 UTC**

617/37 Attention

04971 82815 99947 07922 90625 90105 68370 04194 19474 11159  
73229 84303 18962 07141 66290 57798 05294 78035 00553 11086  
35694 44206 19391 52398 65368 11546 79627 25547 51807 39906  
81809 34898 59178 99360 46878 35477 81520

Attention (message repeated) Out

**8102 kHz, 05-10/06-10, 0710 UTC**

497/33 Attention

54968 74347 32073 14869 18387 78550 50208 72015 51163 44507  
61410 44978 77024 37062 54114 77683 25437 56367 23644 49527  
38111 65473 00460 41808 64597 06343 09098 35641 02345 56970  
01190 31048 03059

Attention (message repeated) Out

**12153 kHz, 07-10/09-10, 0640 UTC**

942/39 Attention

99006 49097 20054 94798 39110 27058 71647 56578 84903 10637  
15634 30911 09570 96424 94495 85882 10136 94929 46911 89686  
15678 99723 15327 05677 54005 28892 41270 16241 93699 54958  
79446 63088 21874 14869 28451 22803 35275 04914 04192

Attention (message repeated) Out

**10213 kHz, 07-10/10-10, 0745 UTC**

260/38 Attention

40380 90645 91763 18505 53704 85157 59912 01646 93527 66967  
90323 61316 33026 48134 76182 74879 27500 81491 21738 01438  
58081 33615 02820 45390 01156 27954 65913 31044 62564 79771  
26589 04767 93426 31662 72920 13054 93819 05767

Attention (message repeated) Out

**13470 kHz, 07-10, 1745 UTC**

242/31 Attention

81528 91039 81152 40382 61137 94385 97761 84871 05229 72247  
00633 08600 20287 78693 64250 91756 67002 95513 94530 56424  
29844 32517 79895 68868 04514 41018 86461 34550 56028 55470  
06645

Attention (message repeated) Out

**8180 kHz, 08-10, 0700 UTC**

575/34 Attention

01306 56770 83834 47886 44864 08791 42558 74376 94352 32438  
39299 43281 48948 79357 08986 06863 93787 29121 97922 93922  
80034 02383 61684 14060 24092 68172 37849 97423 17191 67986  
79611 45021 55925 21680

Attention (message repeated) Out

**19184 kHz, 08-10/09-10, 0820 UTC**

133/34 Attention

48565 60329 97066 14917 04275 32259 35429 72812 20754 27533  
85505 72253 98237 40651 40731 86884 16129 99186 53997 49738  
76290 50470 27706 91066 11414 20329 59571 11507 56286 38811  
27615 81713 58717 32309

Attention (message repeated) Out



**5082 kHz, 08-10/13-10, 1605 UTC**

235/39 Attention

76398 60187 02515 31529 25603 95482 29009 75907 55367 97820  
26888 65495 32341 55249 30747 25306 20797 13705 62152 04342  
94232 82766 41401 23097 41602 09985 43687 64907 08819 11059  
80902 63104 48429 75030 18519 77908 70540 96955 90268

Attention (message repeated) Out

**17410 kHz, 09-10/11-10, 0745 UTC**

348/32 Attention

85574 07846 84236 60958 90942 21871 39538 35933 27594 07953  
16197 89645 38707 74564 45761 62235 88216 64001 20759 19099  
20071 24269 94189 98372 05415 53877 64506 28817 45061 18196  
79031 53678

Attention (message repeated) Out

**6940 kHz, 09-10/10-10, 0930 UTC**

276/40 Attention

61308 25108 35351 60335 81510 70463 81936 53990 47240 08883  
65302 17602 76432 06589 26745 65805 30822 75436 66788 10247  
97785 14329 06466 41864 36178 58699 76615 31209 56633 76857  
20437 23495 60091 23033 78164 64720 97284 35145 29115 80927

Attention (message repeated) Out

**4181 kHz, 09-10/12-10, 1705 UTC**

399/32 Attention

42200 89390 57883 12996 67305 77691 38180 89859 22119 46084  
82221 28145 91573 94720 77216 48439 42822 44278 40287 80305  
97532 10601 86551 51400 98852 87574 11510 92694 41749 39411  
14613 66651

Attention (message repeated) Out

**5941 kHz, 10-10/11-10, 0820 UTC**

430/32 Attention

36546 06437 71834 69763 22810 13720 11839 03450 22575 27612  
21881 90187 95151 17414 82447 39506 97563 18456 15552 06220  
98010 93793 82946 50508 69555 25570 65836 64308 75235 21954  
76032 33730

Attention (message repeated) Out

**5371 kHz, 12-10/13-10, 0805 UTC**

312/37 Attention

10378 65085 80892 45065 83105 34301 81463 19251 57556 80740  
25039 17071 19217 81630 07757 10171 83076 96734 29981 85284  
85102 81217 38359 84372 58419 45585 22383 72759 19742 17598  
61527 32618 27741 62942 75951 85302 96563

Attention (message repeated) Out

**4505 kHz, 12-10/13-10, 1930 UTC**

368/37 Attention

05788 04959 79258 69243 84412 60451 70234 09250 85850 66475  
69833 80973 01713 77384 46889 91031 22768 88953 16283 75576  
00289 71542 02896 22593 38110 82954 48910 03743 68252 73973  
62530 27567 27884 09949 68149 38044 89229

Attention (message repeated) Out

**13873 kHz, 14-10/18-10, 0600 UTC**

185/34 Attention

03587 34722 94951 62610 98353 92454 90820 19462 56003 37864  
58667 16507 66360 57565 14957 54337 87867 71717 45362 08363  
51402 95407 95468 54478 15106 89323 86023 69563 52617 53091  
17366 22435 31472 26147

Attention (message repeated) Out

**8180 kHz, 14-20, 0900 UTC**

536/33 Attention

31255 89763 53212 43529 33268 42907 72053 03840 41352 11950  
75967 05181 99374 46923 18572 26330 51390 24662 36306 85422  
32778 43822 73697 03765 81071 26163 20042 65059 23274 00286  
38181 43196 02705

Attention (message repeated) Out

**7317 kHz, 15-10/18-10, 1000 UTC**

300/35 Attention

56794 75373 18663 53185 28786 48113 65414 95172 92636 35063  
39816 90619 77035 61648 18630 84548 46519 76384 23928 22287  
75248 74106 25893 72380 70828 27772 79570 10688 09055 97960  
93964 16949 75624 26836 47515

Attention (message repeated) Out

**6923 kHz, 15-10/16-10, 1205 UTC**

469/39 Attention

06050 45306 10729 75400 28684 51949 21421 84469 72930 57695  
59944 83310 55288 67659 22163 14856 84062 38113 86957 00898  
19082 63279 36374 47513 03255 20823 96149 09919 85923 65611  
22026 24319 41055 44324 73134 24246 78325 97899 58117

Attention (message repeated) Out

**5371 kHz, 21-10, 0450 UTC**

**7864 kHz, 24-10, 1730 UTC**

418/32 Attention

90524 00086 66287 32297 01059 03512 14919 67158 25925 26605  
30298 51365 94816 06510 66455 89258 87454 41938 31584 37539  
98864 14101 74338 97453 19133 35337 40181 15480 36335 84743  
55053 96275

Attention (message repeated) Out

**5737 kHz, 21-10, 1530 UTC**

527/34 Attention

33542 73995 48162 37336 64056 95553 40363 18339 60945 43676  
84776 03654 29323 10671 02585 42943 50683 16870 51546 90409  
80739 18848 33472 63049 24346 05200 15111 00151 87472 67855  
86762 61629 70169 81151

Attention (message repeated) Out

**7317 kHz, 21-10/24-10, 1900 UTC**

646/35 Attention

19600 52409 06619 14495 60548 64993 82261 08409 25719 84530  
67859 42137 34349 95831 63596 79973 07914 93632 58561 60990  
35233 45133 89021 27192 02187 51751 37071 50963 56479 50928  
86700 92817 87271 66013 01355

Attention (message repeated) Out

**9963 kHz, 22-10/25-10, 0715 UTC**

635/32 Attention

67343 65299 89041 57123 11193 04645 07820 77227 08450 82841  
91797 01430 11247 55693 14014 45152 05200 13966 65703 51837  
81483 73799 09017 69354 94069 09876 92770 90849 38348 01951  
50693 78963

Attention (message repeated) Out

**12202 kHz, 22-10/24-10, 0845 UTC**

157/39 Attention

63865 29131 04825 43737 89817 65880 25330 50555 26552 79238  
29241 87765 80334 77697 26721 63394 63549 47070 81491 14237  
35365 75050 16701 49229 89253 86259 57643 39504 68036 87881  
98615 75461 19163 33997 03000 54229 68432 49381 32109

Attention (message repeated) Out

**14972 kHz, 22-10/26-10, 1345 UTC**

919/34 Attention

75470 69370 63684 73319 07056 80725 92478 55535 24869 84984  
13289 12386 83496 66137 90208 65928 60854 74073 88651 79244  
79853 01406 88403 65166 45868 37945 11592 43536 97157 43700  
08057 08106 06218 01740

Attention (message repeated) Out

**7317 kHz, 24-10, 1900 UTC**

646/35 Attention

19600 52409 06619 14495 60548 64993 82261 08409 25719 84530  
67859 42137 34349 95831 63596 79973 07914 93632 58561 60990  
35233 45133 89021 27192 02187 51751 37071 50963 56479 50928  
86700 92817 87271 66013 01355

Attention (message repeated) Out

**5737 kHz, 25-10, 1530 UTC**

527/34 Attention

33542 73995 48162 37336 64056 05553 40363 18339 60945 43676  
84776 03654 29323 10671 02585 42943 50683 16870 51546 90409  
80739 18848 33472 63049 24346 05200 15111 00151 87472 67855  
86762 61629 70169 81151

Attention (message repeated) Out

**11116 kHz, 25-10/27-10, 1650 UTC**

925/32 Attention

84498 53191 25222 03114 29586 91777 27717 57619 13384 84035  
00376 73173 79204 61258 50076 53519 63295 66635 16446 97941  
37594 37154 55597 78128 63751 30260 70489 10648 91361 71451  
87864 25245

Attention (message repeated) Out

**7317 kHz, 28-10/30-10, 1045 UTC**

691/23 Attention

07804 44151 57572 00560 56647 85206 31455 87774 51866 18901  
65505 91709 21824 63194 76880 28040 59317 37444 28397 79289  
84179 23344 76654

Attention (message repeated) Out

**10800 kHz, 29-10/31-10, 0645 UTC**

511/34 Attention

63681 52332 82213 89073 11680 70294 11888 17729 76233 21279  
54471 19084 10317 06537 78054 29192 36227 02455 51496 07477  
83564 34859 49403 32582 72491 85403 40813 07710 47665 30837  
03815 68824 60177 94297

Attention (message repeated) Out

**E17z**

**14261/12931 kHz, 03-10/10-10, 0800/0810 UTC**

217 503 6 65962 57057 54661 01212 01586 49656 503 6 00000

**14261/12931 kHz, 17-10/24-10, 0800/0810 UTC**

217 935 6 88569 89617 25757 77159 95225 84090 935 6 00000

**14261/12931 kHz, 31-10, 0800/0810 UTC**

217 217 217 00000

**G06**

**5186 kHz, 03-10, 2030 UTC. G06 instead of the expected E06 transmission**

891 472 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92192 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
472 52 00000

**5934 kHz, 10-10, 1830 UTC**

579 472 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564  
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232  
95674 87344 57438 45763 49325 57438 92192 96785 21244 05674  
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211  
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234  
05124 95732  
472 52 00000

Windows shut down sound

**5442 kHz, 11-10/25-10, 1930 UTC**

947 273 62

64537 27354 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 84937 34021 83929 90184 72641 84829 74826 48231 83732  
72642 85913 38539 34752 75392 83482 75637 73892 95736 64612  
84759 76491  
273 62 00000

25-10: ends with Windows shut down sound

**5934 kHz, 24-10, 1830 UTC**

579 273 62

64537 27354 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 84937 34021 83929 90184 72641 84829 74826 48231 83732  
 72642 85913 38539 34752 75392 83482 75637 73892 95736 64612  
 84759 76491  
 273 62 00000

**S06s****9220 kHz, 07-10, 0830 UTC**

764 932 5 98058 44693 07628 61154 97511 off

**Repeated on 8270 kHz, 07-10, 0840 UTC**

764 932 5 98058 44693 07628 61154 97511 then at 0846 UTC 764 (R) 932 5 00000

**S11a****7469 kHz, 01-10/04-10, 1020 UTC**

420/35 Vnimanaye

69409 03937 28946 46343 33324 78186 61029 60752 63846 45074  
 71343 19449 67023 26069 84623 04100 42963 18705 42612 26022  
 05223 94123 10021 51681 03280 26996 77011 07146 40617 09084  
 05179 95901 79181 56058 29229  
 Vnimanaye (message repeated) Konets

**6344 kHz, 16-10/18-10, 1100 UTC**

379/36 Vnimanaye

01115 44384 91626 26432 21461 60532 60610 69222 67601 41084  
 25936 37103 77769 11723 22732 64556 14995 34532 56349 23714  
 15718 18637 05762 75553 74715 06248 11046 73310 88466 29749  
 07810 65214 78564 61377 26685 63260  
 Vnimanaye (message repeated) Vnimanaye

**10213 kHz, 16-10/19-10, 1850 UTC**

281/36 Vnimanaye

45767 78188 06032 15404 09163 97679 54383 51193 82250 40668  
 46751 91553 59308 32704 17027 75170 30722 07985 33545 02340  
 05244 30446 76921 18725 83107 40613 92480 55040 72348 59965  
 38045 48573 90683 04930 67946 04367  
 Vnimanaye (message repeated) Konets

**11116 kHz, 21-10/23-10, 0510 UTC**

656/31 Vnimanaye

02676 96904 25488 61608 16848 46342 48128 89648 42188 48614  
 24964 16849 32191 58586 89415 17051 64351 69807 23940 51614  
 80127 17241 33657 05751 69695 58563 45349 43048 57824 87950  
 88767  
 Vnimanaye (message repeated) Konets



**4505 kHz, 21-10/25-10, 0915 UTC**

484/34 Vnimanaye

57134 85448 92892 84834 38942 28545 71812 20123 26656 29020

76102 51583 64590 63908 05892 52538 94955 35383 65195 98751

22300 57521 27986 50920 79915 24954 93716 89466 87848 89574

23453 23670 38139 92749

Vnimanaye (message repeated) Konets

**V07****15925/14725/13425 kHz, 06-10, 0100/0120/0140 UTC**

974 974 974 1 6394 92 6394 92

67479 15231 73325 35218 51391 15871 55166 67622 47204 01652

44376 30971 36772 65947 82810 63437 11039 18984 98519 62078

66729 56014 37436 09564 31025 83714 65930 49576 12236 77721

15906 87840 75558 18554 17587 13594 02193 10866 50013 37960

58508 25198 08397 12309 59196 92840 36871 08767 55056 77791

20154 32638 58247 40823 05700 61682 74357 02809 35811 42116

27826 63195 20391 70254 29036 69712 78591 59573 15306 08632

25233 70874 84392 83053 72781 35364 13512 54224 96083 08110

39257 53713 35740 69181 87476 39777 32027 04167 63158 13966

05304 05001 000 000

**15925/14725/13425 kHz, 13-10, 0100/0120/0140 UTC**

974 974 974 1 2776 30

91025 82772 91386 80916 14976 99229 92337 73259 59027 20232

93724 89197 49527 19257 42801 68165 38101 97621 00767 54053

18461 32984 29121 31690 81703 63858 01504 47548 13367 42294

000 000

**15925/14725/13425 kHz, 20-10, 0100/0120/0140 UTC**

974 974 974 1 544 32 544 32

30239 68972 26147 12792 06171 91968 50823 39295 50417 54919

83346 40432 19749 81977 40203 92659 55707 35699 32119 71890

17322 57400 21099 17688 78815 75763 16147 26729 06646 67566

50013 22764 000 000

**V28**

All logs heard by HK in Japan

Freq	Date	UTC	Details
2930	3-10	1300	Parrot. Messages in Korean. Female operator
3518	3-10	1300	Parrot. Messages in Korean. Female operator
5157	3-10	1302	Parrot. Messages in Korean. Female operator
4620	3-10	1303	Parrot. Messages in Korean. Female operator
3050	3-10	2200	Parrot. Messages in Korean.
4494	3-10	2200	Parrot. Messages in Korean.
3518	5-10	1300	Parrot. Messages in Korean.
4646	5-10	1300	Parrot. Messages in Korean.
5141	5-10	1300	Parrot. Messages in Korean. Male operator
2932	5-10	1302	Parrot. Messages in Korean.
3049	11-10	2204	Parrot. Messages in Korean. Female operator
4974	11-10	2204	Parrot. Messages in Korean. Female operator
4497	11-10	2215	Parrot. Messages in Korean. Female operator
2994	15-10	2200	Parrot. Messages in Korean. Male and female operators
3050	15-10	2200	Parrot. Messages in Korean

Freq	Date	UTC	Details
4494	15-10	2200	Parrot. Messages in Korean
4494	15-10	2200	Parrot. Messages in Korean. Comes from 4972 kHz
4497	15-10	2200	Parrot. Messages in Korean. Spur
4504	15-10	2200	Parrot. Messages in Korean. Spur
4508	15-10	2200	Parrot. Messages in Korean. Spur
4971	15-10	2200	Parrot. Messages in Korean. Moves to 4972 and then to 4494 kHz
4972	15-10	2200	Parrot. Messages in Korean. Comes from 4971 kHz
2996	18-10	2205	Parrot. Messages in Korean. Male and female operators
3049	18-10	2205	Parrot. Messages in Korean. Female operator
4495	18-10	2205	Parrot. Messages in Korean. Female operator
4982.5	18-10	2205	Parrot. Messages in Korean. Female operator
3518	21-10	1304	Parrot. Message in Korean.
4644	21-10	1304	Parrot. Message in Korean.
3050	23-10	2200	Parrot. Message in Korean.
4492	23-10	2200	Parrot. Message in Korean.
2996	23-10	2203	Parrot. Message in Korean.
2995	27-10	2208	Parrot. Message in Korean.
3049	27-10	2208	Parrot. Message in Korean. Female operator
4494	27-10	2208	Parrot. Message in Korean. Female operator
2995	31-10	2200	Parrot. Messages in Korean
3048	31-10	2200	Parrot. Messages in Korean
4494	31-10	2200	Parrot. Messages in Korean
4981	31-10	2200	Parrot. Messages in Korean

## MORSE STATIONS

### M01

#### 5475 kHz, 01-10, 1800 UTC

463 761 761 30 30 = =  
69259 97459 58391 79346 59339 58957 54727 39627 51573 61364  
88656 00645 16271 19509 12784 81011 84309 71043 70376 31389  
77203 67376 47300 73464 84213 75577 81096 18591 19871 60065  
= = 761 761 30 30 000

#### 5020 kHz, 03-10, 2000 UTC

463 713 713 = 30 30 = =  
51456 94611 89816 47334 90762 47426 07981 29906 52691 79421  
98579 74401 07307 44270 93101 62778 49608 62413 15784 57700  
17380 34526 75995 48503 76189 73542 75758 12030 11879 44755  
= = 713 713 30 30 000

#### 6260 kHz, 05-10, 1700 UTC. Messy transmission

463 712 712 30 30 = =  
36444 36444 98334 98334 54539 54539 71456 71456 3373 33339134  
93447881 7815026 09617 07 3734 39734 99095 99095 15783 1583  
7623 723 2356425670384 70384 9552 95552181 5211 600 8004 595855  
86040 86040 93864 93864 58802 58802 46954 46954 05469 05469 51661  
516 04071 04071 10910 10910 46737 4737 0827 0847 37036 37036  
= = 712 712 30 30 000

**6510 kHz, 06-10, 0700 UTC**

463 861 861 30 30 = =  
25144 96788 53052 83166 81182 51603 27895 31192 15041 71880  
59224 10832 81697 08666 18232 28876 73981 51534 69003 26687  
08076 82717 83362 23274 18229 38521 65972 96687 17103 49536  
= = 861 861 30 30 000

**5475 kHz, 08-10, 1800 UTC**

463 643 407 407 30 30 = =  
57514 57514 56815 56815 87375 87375 33109 33109 50098 50098  
79318 79318 01394 01394 57801 57801 2124 21214 05877 05 65773  
6577 69236 6923 45643 4569720796705 96705 58001 58001 19861  
19861 21688 21688 52234 52234 43443 43443 00271 00271 00271  
23919 23919 06101 06101 13926 13926 61875 61875 86968 86968  
40395 40395 39832 39832 92532 82532 82532 82532 07546 07546  
= = 407 407 30 30 000

**5020 kHz, 08-10, 2000 UTC**

463 810 810 30 30 = =  
37431 37431 96333 96333 16414 16414 09188 09188 37544 37544  
56051 56006638 06638 04404 04404 81901 81901 12104 12104  
85648 85648 10331 10331 66753 66753 06298 0629 52362 5232  
12291 12291 96319 96319 16804 168078147 78147 2349 23 35796  
3576 67483 67483 20502 20502 00208 00208 98325 98325 46126  
46126 72485 7248 6485 648 26206 26206 64111 64111  
= = 810 810 30 30 000

**5475 kHz, 10-10, 1800 UTC**

463 489 489 30 30 = =  
19980 39202 (193234) 19234 24338 69553 20380 52171 81572 06139 00108  
50952 99508 16262 71536 95394 94395 27578 36537 20966 97063  
07182 24307 92023 22120 99984 20975 13884 07074 65555 81206 (81206)  
= = 489 489 30 30 000

**6260 kHz, 12-10, 1500 UTC**

463 335 335 30 30 = =  
71193 54558 72609 76399 97548 22151 38441 20427 04325 81000  
58715 33270 92813 72934 46024 47184 77228 88011 23763 75572  
20069 33637 39335 23998 99244 28562 64734 41283 23268 55563  
= = 335 335 30 30 000

**6510 kHz, 13-10, 0700 UTC. Transcript as sent**

463 373 373 30 30 = =  
55212 55212 17274 17274 35844 35841 34366 34366 89800 89800  
85128 85128 44353 44353 60310 60310 13277 13277 96543 96543  
71441 71441 99727 9977 3148341 74877 24482483983397 9343  
5931967 61937 3 403 016556667531 35 37923 37923 65 65814 64  
08 0181 358 then off

**5020 kHz, 15-10, 2000 UTC**

463 205 205 = 30 30 = =  
87062 63000 15302 95486 43552 22138 03232 91940 93801 54828  
39041 93797 78564 87458 10034 28841 78171 58421 67707 70370  
24071 20125 53564 36212 59108 33635 69339 51953 22382 85273  
= = 205 205 = 30 30 000

**5020 kHz, 17-10, 2000 UTC. Transcript as sent**

463 521 521 30 30 = =  
48883 48883 55033 55033 66987 66987 24795 24795 16716 16716  
07741 07741 35694 35694 76302 76302 20545 20545 76129 76129  
052115 05215 28659 28659 97872 97872 71387 71387 03898 03898  
83069 83069 25903 25903 74672 74672 27292 27292 40613 40613  
372 327390031 03112108 12108 2961 32961 5252 51EE52152 52152  
12839 86546 93760 01836 50689  
= = 521 521 30 300 000

**6510 kHz, 20-10, 0700 UTC. Error at the end**

463 611 30 611 30 =  
43241 34645 35817 99770 29832 92065 10373 71773 04958 84908  
41407 98356 18392 92113 39158 34438 42495 32873 46692 00955  
21005 13438 48503 76312 50994 64283 25827 11524 35162 48652  
= 6 AAA AAA = 611 3929 HH 611 30 000

**5475 kHz, 22-10, 1800 UTC**

463 281 281 30 30 = =  
18724 51894 07661 07461 27818 04230 11080 59223 54342 38746  
30944 07538 01643 05394 24237 42669 28210 18335 94576 25300  
20998 64060 87856 99348 20598 81771 80960 10775 89456 60805  
= = 281 281 30 30 000

**5020 kHz, 22-10, 2000 UTC. Different repeats between brackets**

463 716 716 30 30 = = =  
87916 54366 39224 24374 53190 48538 92748 33594 (33549) 29142  
00597 48826 (48827) 36349 95408 94174 28524 79662 66822 88801  
67206 58498 67198 01178 94585 02038 56321 37367 91722 39953  
51188 21329  
= = 716 716 30 30 000

**5475 kHz, 24-10, 1800 UTC**

463 329 329 393 30 / = =  
70500 47059 38734 31122 66094 69608 72000 32988 62370 50264  
84958 20404 96194 94714 41339 46587 24846 27193 36652 36691  
67719 95778 71614 06725 88845 79277 17726 04765 30691 50343  
= = 329 329 30 30 000

**6960 kHz, 26-10, 1500 UTC. Differences between brackets**

463 147 147 30 30 = =  
40851 83449 0833310 (08310) 10611 00667 09430 73374 70820  
29133 30463 63677 09890 77889 93235 39058 27234 36283 28208  
17360 45015 12095 18437 75213 96985 28119 38193 74191 72125  
59022 20358  
= = 147 147 30 30 000

**6510 kHz, 27-10, 0700 UTC**

463 250 250 = 30 30 = =  
55026 72857 38790 13193 65802 17289 35479 71490 05862 10298  
35923 39564 68658 74613 12017 75760 97349 81230 68932 54022  
11270 83745 70157 81095 48646 34391 96402 89424 54449 25235  
= = 250 250 = 30 30 000

**5475 kHz, 29-10, 1800 UTC. One 4-figure group**

463 411 411 30 30 = =  
13755 21211 04569 26938 39421 21265 11030 39888 65568 86634  
81654 13203 28297 17677 35687 76554 53230 4095 84639 79481  
60297 50700 75820 74588 16698 86390 19126 73617 64511 72777  
= = 411 411 30 30 000

**5020 kHz, 29-10, 2000 UTC**

463 438 438 30 30 = =  
 36856 95614 88770 97645 75448 57605 76736 72461 78263 38248  
 74770 94371 04365 40453 60757 35210 42879 13808 92612 62380  
 35431 94819 23326 65076 11924 91715 07764 38929 96735 10729  
 = = 438 438 30 30 000

**5475 kHz, 31-10, 1800 UTC**

463 211 211 = 30 30 = =  
 84608 01761 79832 23518 13187 32425 51163 25236 50060 01295  
 40068 97168 78698 66563 62788 76012 94109 09038 09213 26091  
 39515 59030 67538 57967 82573 83002 46490 38009 60476 70337  
 = = 211 211 = 30 30 000

**5020 kHz, 31-10, 2000 UTC**

463 617 617 = 30 30 = =  
 54767 57018 81568 52428 05677 38242 48556 34393 71766 51886  
 92527 17237 50845 94049 57390 09107 23805 40412 92088 91602  
 64555 56603 73664 06548 75104 60273 44753 69601 17952 47491  
 = = 617 617 30 30 000

**M01a**

Late M01a logs from ES.

**4961 kHz, 11-09, 1205 UTC**

327 327 327  
 617 617 10 10 = =  
 45646 45646 85021 85021 65847 65847 92468 92468 01643 01643  
 24094 24094 85465 85465 41850 41850 74498 74498  
 = = 617 617 10 10 000  
 Only nine groups repeated.

**4036 kHz, 17-09, 0726 UTC**

618 618 618 90414 90414 (Repeated)  
 618 618 618 90964 90964 (Repeated)

**4976 kHz, 17-09, 1238 UTC**

109 (Repeated)  
 498 10 10 = = 46549 46549 84740 84740 13478 13478 96045 96046 40698 40698  
 70466 70466 31873 31873 54076 54076 84579 84579 84105 84105 = = 498 498  
 10 10 000

**4905 kHz, 17-09, 1240 UTC**

986 (Repeated)

**4883 kHz, 18-09, 0851UTC**

153 (Repeated)

**4076 kHz, 19-09, 0740 UTC, i.p.**

849 41560 41560 54535 54535 84709 84709 84750 84750 13654  
 13654 84035 84035 46841 46841 35498 35498  
 = = 958 958 10 10 000

**5278 kHz, 25-09, 0721 UTC, i.p.**

48 42666 20599 14979 34230 46833 60938 05124 81945 11107  
 81154 87189 79955 44714 07759 96064 91799 44265 46206 41745 19297  
 = 569 35  
 111 000



**5315 kHz, 2509, 0801 UTC, i.p. Partly unreadable due to deep fading**

... 38216 30947 38800

= 124 33

111 999

611 999

... 58789 52014 06244 10222 58546 80068

= 125 30

111 000

**5804 kHz, 25-09, 0805 UTC**

623 623 623 77438 77438 (Repeated)

111

000

623 623 623 77272 77272 (Repeated)

**4555 kHz, 26-09, 0717 UTC, i.p.**

694 34479 45170 51905 57731 47578 61044 77985 03097 82964 99185

31704 96399 47348 93093 98179 27972 72651 923xx 03334 80204 68441

28608 30333 31228

= 223 34

111 999

439 32 =

72276 99165 30364 63394 04520 92303 41667 31252 37xxx xxx97

72060 49240 44137 16233 29683 18463 45765 70385 25654 01614

47800 47721 04907 71535 47779 80291 83797 33607 51030 40967

19982 2199x

= 439 32

111 999

127 31 =

52777 66322 68288 90780 74306 97660 21828 63090 81537 05942 10780

58898 84813 37173 88418 94798 77215 88842 22694 99016 98005 08535

00093 92078 19172 77478 43814 62452 94405 72070 90069

= 127 31

111 999

933 37 =

32125 59007 36237 41734 41142 37155 13844 48645 54457 14981 23950

96696 79402 16736 52620 93635 77312 39670 61656 41354 68469 77429

68056 46650 71502 12877 79636 8465x x8454 27525 84602 27249 83418

71905 44397 76889 45979

= 933 37

111 000

**4614 kHz, 15-10, 0737 UTC**

333 67018 67018 (R3)

333 67318 67318 (R3)

111 000

**4614 kHz, 15-10, 1051 UTC**

513 513 513 333 67492 67492 (R3)

333 67679 67679 (R2)

111 000

**4614 kHz, 15-10, 1105 UTC**

513 513 513 67367 (R2)

333 67679 67679 (R2)

111 111 000

**5390 kHz, 24-10, 1427 UTC**

929 929 929 88505 88505

**4442 kHz, 24-10, 0658UTC, i.p.**

29935 = 132 30  
111 132 30  
111 33  
333 211 33 29935  
000

**3882 kHz, 23-10, 1403 UTC**

598 598 598 79068 79068  
111 000

**3882 kHz, 23-10, 1411 UTC**

598 598 598 79163 79153  
598 598 598 79013 79013  
598 598 598 000

**5390 kHz, 23-10, 1427 UTC**

929 929 929 88505 88505

**4442 kHz, 24-10, 0658 UTC, i.p.**

29935 = 132 30  
111 132 30  
111 33  
333 211 33 29935  
000

**4337 kHz, 22-10, 0955 UTC, i.p.**

333 03

**4337 kHz, 22-10, 0955 UTC**

451 451 451 50640 50640 (R2)  
451  
111 000  
111 000

**5859 kHz, 22-10, 1017 UTC, i.p..**

64281 000

**4788 kHz, 22-10, 1152 UTC, i.p.**

10519 10519  
628 628 628 10519 10519  
628 628 628 10009 10009 (R4)  
628 628 628 11549 11549 (R6)  
628 628 628 12299 12299 (R4)  
628 628 628 628 12299  
628 628 628 11533 11533 (R2)  
111 111  
1 999  
617 10 = 45646 85021 65847 92468 01643 10483 24094 85465 41850 74498 = 617 10  
111 000  
33

**6781 kHz, 22-10, 1222 UTC, i.p.**

812 812 812 22730 22730 (R7)  
812 812 812 000

**5360 kHz, 29-10, 1009 UTC**

747 747 747 41052 41052 (R5)

111 999

523 12 = 96492 86220 39296 79493 81691 40541 37444 44044 88734 95882 88770 01740 = 523 12

111 523 12 = 96492 86220 39296 79493 81691 40541 37444 44044 88734 95882 88770 01740 = 523 12

111 000

333 333 000

**4476 kHz, 30-10, 0820 UTC, i.p.**

929 9

929 929 929 98857 98857

**4476 kHz, 30-10, 1318 UTC, i.p.**

Test Tone/9 (Digit sent over tone)

929

929 929 929 99712 99712 (R3)

333 90911 90911

111 000

**4454 kHz, 30-10, 0847 UTC, i.p.**

346 346 346 81846 81846 (R3)

346 346 346 81956 81956 (R4)

346 346 346 81956 81956

000

**4454 kHz, 30-10, 0946 UTC**

702 7

346 346 346 81246 81246 (R4)

346 346 346 81246 8124

111 000

**4454 kHz, 30-10, 1040 UTC**

346 346 346 82385 82385 (R4)

346 3

346 346 346 82385 82385 (R3)

346 346 346 8238

000

**4454 kHz, 30-10, 1054 UTC**

346 346 346 82375 82375

346 346 346 82375

111 000

46 (R1m15s)

**4454 kHz, 30-10, 1136 UTC**

346 346 346 82352 82352

346 346 346 82352

82352

346 346 346 82352

346 346

346 346 346 82352 82352 (R5)

346 346 346 82452 82452 (R3)

34

000

## **M01b**

### **3510//4605 kHz, 03-10/10-10/17-10/24-10, 1832 UTC \*)**

201 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

\*) 03-10: 4605 kHz off during the callup

### **3715//4570 kHz, 03-10/10-10/17-10/24-10, 1940 UTC**

477 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

### **3625//4940 kHz, 04-10/11-10/25-10, 1902 UTC**

153 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

### **3520//4585 kHz, 04-10/11-10/18-10, 2010 UTC**

582 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

### **3535//4590 kHz, 07-10/14-10/21-10, 1810 UTC**

420 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

### **3645//4455 kHz, 07-10/14-10/21-10, 1915 UTC**

771 391 391 31 31 = =

60044 96307 55158 97872 59068 28494 14912 50285 72443 17686

65475 97095 66072 99508 81678 87409 71755 51546 23720 06646

74201 99518 26389 46282 19205 47853 23236 04337 48613 90392

64918

= = 391 391 31 31 000

**11435/10598/9327 kHz, 01-10, 1800/1820/1840 UTC**

938 938 938 1 2714 105 2714 105  
09684 31143 14027 44639 26742 27026 56875 01781 26668 93099  
58868 34506 65954 62073 22713 91275 46427 01866 07461 25072  
82640 50277 24316 03270 62005 57438 35965 94213 81254 97877  
68814 88767 05938 10270 09840 30211 17771 48357 92157 45259  
26614 72785 84384 55710 65571 20861 34182 J6040 52621 40316  
29748 77768 57419 70628 25482 01151 48165 53289 11917 01313  
97062 58121 70923 66629 90669 47131 68224 62133 42746 01595  
91059 93232 45771 73198 46976 26423 12355 77639 09913 36654  
15821 65666 13380 11071 84456 93582 64714 23002 40197 90387  
26043 67979 61133 22384 92085 84919 13417 92496 55619 85774  
41482 98186 26256 72497 75830 000 000

**18639/17439/15839 kHz, 02-10, 1400/1420/1440 UTC**

648 648 648 1 366 79 366 79  
89567 88940 77703 77796 00611 61452 84187 58860 24910 24162  
65097 66990 49941 09470 78912 31566 36914 64863 57080 22618  
69855 03296 30066 26151 02519 35831 92684 28854 10933 18784  
40368 75947 39830 14584 26450 01437 10120 74318 59623 29809  
45030 96405 18071 45237 33962 97877 80904 21115 70869 19727  
29576 17751 71568 46436 42195 19375 70095 49116 37961 95360  
76535 33868 24598 38343 56359 57355 81837 18948 84988 07548  
71695 74852 92918 40623 72253 62697 25562 96375 89493 000 000

**12162/11566/10711 kHz, 02-10, 1710/1730/1750 UTC**

546 546 546 1 7084 107 7084 107  
98985 66976 09014 94227 61790 32972 27592 286E0 96226 94242  
34885 43311 29102 27490 84649 79737 07575 56205 76094 20561  
32797 85916 00227 71375 00772 91140 86123 93334 00207 71885  
57666 03242 33991 91204 97221 53599 36127 01524 83908 98637  
78631 77486 54515 03215 42027 49344 15268 65786 52857 29898  
83464 96863 72659 76255 23944 96967 78192 83269 53341 06044  
35245 81876 09584 29078 47976 99496 93371 59748 81798 97964  
64561 82635 87267 16542 86137 38845 41638 59871 45067 79604  
81842 72364 23770 15575 39312 60371 62063 29492 70478 94015  
95039 41609 22711 09324 57873 45551 83738 60883 90075 75922  
58968 90545 93039 30929 62939 93427 96352 000 000

**12162/11566/10711 kHz, 03-10, 1700/1720/1740 UTC**

546 546 546 1 8119 111 8119 111  
64812 61187 18733 79661 64302 67787 02568 92728 74179 32993  
99782 23167 30772 02342 29617 09280 88019 22973 31874 85550  
65619 81447 60664 85384 64934 72340 98661 17181 92098 62876  
88146 80405 71868 39346 67155 13790 45581 93421 32230 08531  
80716 03816 19140 99096 02829 73931 73520 79292 83792 55627  
16668 58588 12415 22115 21809 32020 47974 60691 15264 87154  
45733 74828 26013 56791 82469 01876 16548 09532 00130 53443  
87256 48784 66214 43617 86077 97775 33396 64023 98397 99404  
71189 82210 82573 20327 93537 92690 43937 49923 65532 58155  
51672 76469 61208 05824 68330 81129 21145 77952 13324 91412  
77064 51356 09774 35628 53306 83832 20813 85008 16621 66963  
25133 000 000



**12162/11566/10711 kHz, 03-10, 1800/1820/1840 UTC**

546 546 546 1 9088 112 9088 112  
17181 54121 04667 19007 18914 53549 45463 33605 10168 78205  
10137 61792 54341 91733 37319 40052 18723 38317 79F59 98872  
86202 41486 15366 68158 39992 14361 53321 47783 43926 95511  
06022 82946 76342 78033 66371 10975 80171 53055 79305 36276  
79357 44393 49566 50797 53822 07639 01827 69451 98056 71803  
23120 74085 06808 89794 81547 98556 76391 80730 86316 11586  
97712 75504 44740 53123 73422 08904 93172 17046 20985 47419  
53489 00027 44821 99281 50321 53591 09542 03939 57389 88148  
51585 72463 82246 78025 68994 05044 39028 21896 41369 99800  
16274 15194 73116 52919 24155 06102 07275 53365 35637 09087  
53448 12130 76851 93149 10050 65078 02064 61306 51787 36858  
99300 02714 000 000

**14377/13461/12114 kHz, 03-10, 2000/2020/2040 UTC**

317 317 317 317 1 6164 103 6164 103  
69301 89947 07087 97440 27374 76529 29003 87787 07106 43937  
45685 47516 80803 73167 01845 36866 81959 74651 23659 42049  
32342 87814 03001 11514 46701 32315 38117 09648 23602 71217  
46145 14971 69848 33487 48603 40441 72331 73657 59257 29873  
30755 47581 55034 31966 33812 99838 28504 14835 08723 77842  
24373 30860 16880 97783 92120 59609 20851 55073 17285 71790  
17551 79816 94925 07147 84034 32093 80858 63854 45538 23080  
26516 45540 01633 92857 84167 47618 26232 58600 74752 94507  
16995 30079 94569 38352 66327 25887 54878 50113 24225 21939  
24423 82486 54835 87741 68072 13878 25673 02784 47732 74871  
68923 48011 03151 000 000

**5794/6794/8094 kHz, 04-10, 2100/2120/2140 UTC**

770 770 770 1 235 140 235 140  
05083 70025 41842 57116 75011 88428 58054 74470 25035 38992  
81856 98230 91410 66080 07874 40454 34657 42574 37761 57439  
00004 32505 43489 20151 77553 94056 07762 00396 51742 39111  
07304 32565 08973 94742 14528 08744 80357 83861 32563 45776  
78072 35450 06888 57621 50267 41896 24849 34118 58254 21816  
72218 47074 16689 30610 96086 94377 69811 14870 27822 88464  
20692 41630 91174 96305 33823 88298 38830 89195 45956 90344  
95565 72616 22993 94594 10513 43438 81603 18014 05136 91864  
35582 20772 04046 07689 94135 66267 75328 96110 37339 26892  
36556 76929 55307 25555 86758 20895 22519 24717 59779 61268  
15223 54199 82969 04881 28423 54782 64974 68231 76508 10414  
08085 28062 83497 83574 13170 44938 75317 58735 99031 60919  
23467 08009 56492 81924 26426 80410 35510 63574 22816 05539  
55482 80968 86766 25049 69686 18039 08218 33736 00816 94192  
000 000

**8047/6802/5788 kHz, 05-10, 2000/2020/2040 UTC**

463 8635 95 8635 95  
43551 86536 64235 82448 43378 16404 27940 85361 65792 18695  
29370 10869 21584 85837 28821 95357 29451 23248 77669 49943  
50222 30150 56287 27071 53349 52226 96922 27137 22632 15796  
79127 16737 18880 97964 55699 36027 94359 94650 59866 43833  
45141 22134 46557 64280 40459 56034 98683 43947 73305 83289  
90928 31546 51784 69622 35813 17300 14245 88490 27481 55E08  
97065 32787 57544 19336 85619 61008 53811 43591 60525 52930  
52190 30869 21701 19439 73319 70464 41693 31817 45999 43413  
67633 18992 35115 00778 00255 14424 45337 65361 42983 83738  
05733 64181 74748 82729 51053 000 000

**5794/6794/8094 kHz, 04-10/05-10, 2100/2120/2140 UTC**

770 770 770 1 235 140 235 140  
05083 70025 41842 57116 75011 88428 58054 74470 25035 38992  
81856 98230 91410 66080 07874 40454 34657 42574 37761 57439  
00004 32505 43489 20151 77553 94056 07762 00396 51742 39111  
07304 32565 08973 94742 14528 08744 80357 83861 32563 45776  
78072 35450 06888 57621 50267 41896 24849 34118 58254 21816  
72218 47074 16689 30610 96086 94377 69811 14870 27822 88464  
20692 41630 91174 96305 33823 88298 38830 89195 45956 90344  
95565 72616 22993 94594 10513 43438 81603 18014 05136 91864  
35582 20772 04046 07689 94135 66267 75328 96110 37339 26892  
36556 76929 55307 25555 86758 20895 22519 24717 59779 61268  
15223 54199 82969 04881 28423 54782 64974 68231 76508 01414  
08085 28062 83497 84574 13170 44938 75317 58735 99031 60919  
23467 08009 56492 81924 26426 80410 35510 63574 22816 05539  
55482 80968 86766 25049 69686 18039 08218 33736 00816 94192  
000 000

**11435/10698/9327 kHz, 07-10, 1710/1730/1750 UTC**

938 938 938 2259 107 2259 107  
10056 50486 31272 01115 23557 91877 34906 90419 78536 95176  
33589 54011 02262 84315 29462 10871 05736 07086 67451 22600  
85337 86679 88960 85240 91666 96175 43194 86868 87635 13961  
95368 25288 43645 75042 11426 17956 06336 56496 81844 24650  
20173 98063 56248 84133 67837 75148 95572 72090 99979 18634  
46852 14294 36765 47236 51291 60036 55153 03080 48797 88593  
83323 32536 15266 51690 69059 31128 84903 97583 06232 92829  
11624 25766 17960 60247 40324 29138 46960 29794 63054 08054  
21991 10211 34009 11302 17294 10306 29697 28676 05581 69709  
86268 04507 41198 72904 67001 77525 56775 52210 49802 28577  
91313 98964 41799 86854 62322 20312 12940 000 000

**8047/6802/5788 kHz, 07-10, 1800/1820/1840 UTC**

463 463 463 1 4633 95 4633 95  
20251 45895 31488 30115 38364 81052 26595 72129 93000 95049  
31396 83162 04452 26637 14677 60908 40352 88666 31336 04337  
90239 96445 38964 44277 24095 63210 598x3 95569 28528 33106  
19575 37451 61653 34866 70919 69567 63940 64201 72827 57309  
81137 34724 29632 87366 39596 76245 81984 13322 52712 25845  
45664 25649 31631 13803 26590 57728 70022 43137 29665 90132  
05871 15846 02430 36862 31566 51218 47350 70942 90087 92475  
84280 39052 27511 04880 18382 39075 60758 59272 69028 80795  
45769 37236 56801 70054 76261 39377 15557 33925 97329 74782  
06707 61037 25329 99012 49342 000 000

**8164/6964/5764 kHz, 07-10/10-10, 2110/2130/2150 UTC**

197 197 197 1 5642 81 5642 81  
87718 44306 51752 51692 07986 77423 43275 79621 22592 95554  
74620 50262 74753 06599 67154 11208 50776 76674 75571 39495  
68553 83672 88227 40031 17195 09009 06196 51476 63153 22069  
67243 54083 12835 43022 99137 00141 46131 02578 46737 71554  
09299 68354 07124 39156 67525 89338 19321 89684 82084 34896  
78470 45603 35264 86413 66018 04948 61779 26860 59994 36484  
33666 21759 36919 52641 74003 02691 44077 73998 21309 51677  
14002 38978 19783 61655 89769 74335 32220 68205 43379 85358  
57281 000 000

**7464/8164/9364 kHz, 08-10/13-10, 0500/0520/0540 UTC**

413 413 413 1 189 119 189 119  
23640 65433 85661 57492 35257 77176 62864 57161 77639 23785  
59147 31914 72918 64322 78631 25540 61427 06918 09986 56305  
73586 66643 65266 56547 16406 93261 21066 94689 04241 05899  
63922 00754 01044 21876 04264 78000 07161 24404 89559 44925  
93200 78182 32017 22235 82759 05156 90826 85404 00377 58096  
92542 74963 28874 71469 27930 13777 45596 74425 79564 64182  
50459 76382 24918 80209 67925 32458 58628 52314 32179 50213  
40554 37151 28671 55262 70119 24668 63945 89053 56508 07902  
64864 99886 71863 84997 98870 12422 45552 22067 20461 92555  
58759 79765 87310 91361 45984 19304 65427 33513 29458 88630  
09217 09177 72254 73011 56853 11217 55535 60710 98002 29328  
88752 65982 07182 34597 92954 00470 09724 86429 17864 000 000

**9317/10484/11552 kHz, 08-10, 0530/0550/0610 UTC**

135 135 135 1 4512 107 4512 107  
87837 08229 76196 57322 53708 27702 03590 49429 29054 76480  
29221 89574 73093 71014 03093 26295 22205 78019 40709 25786  
45615 16767 64438 87741 30353 90931 77879 46836 72068 04073  
57611 74802 02826 31952 14466 00257 49571 25798 80170 99685  
65210 80057 51815 62738 25290 30848 76569 28615 13053 10486  
96899 33422 00123 80608 59814 12888 52712 15580 65579 49306  
88315 04962 73936 43257 05663 77651 83868 23990 78628 82053  
62388 68737 17253 35228 77873 09986 66406 21071 90077 62183  
67688 89671 98664 25639 24490 53567 21934 53650 53882 98417  
59699 81919 89756 08568 08022 19754 44238 01318 61533 31256  
79203 29932 39716 89829 38845 66553 03447 000 000

**11435/10598/9327 kHz, 08-10, 1800/1820/1840 UTC**

938 938 938 1 5702 105 5702 105  
25190 64537 71994 13913 93849 42109 99707 85747 22150 32329  
93055 53313 44606 72286 39769 97477 27439 75101 74446 30670  
65188 92884 55427 30064 47143 87640 02866 20777 65445 16195  
79133 18060 95288 73817 15379 40976 96334 41361 24216 75632  
15968 22727 00950 52770 92433 67983 31197 80427 49398 37495  
58355 76037 04046 57326 71445 88396 67842 18040 22260 76078  
50682 40781 14268 46215 34361 60398 96228 05773 44963 01773  
23268 01525 41253 63380 68123 52515 27027 75886 38910 24294  
76063 82341 98048 93153 49919 85244 29289 67549 48073 46949  
83386 96203 85291 62999 00932 06979 42178 07394 25497 56852  
57720 79825 38629 15729 10447 000 000

**11416/13416/12216 kHz, 09-10/16-10, 1210/1230/1250 UTC**

442 442 442 1 254 56 254 56  
29249 12262 52413 23274 80397 40115 23294 14298 42563 47911  
32223 72841 81385 21528 43205 60026 61834 44761 86564 23742  
36642 42294 79364 11157 00628 85174 86739 23887 70166 51489  
03236 51933 82383 58413 00488 67741 30555 86066 49071 33856  
63276 03789 83191 48915 89091 29406 84767 70007 21629 23061  
00361 84721 04452 36615 74463 67689 000 000

**12162/11566/10711 kHz, 09-10, 1710/1730/1750 UTC**

546 546 546 1 7624 105 7624 105  
85245 15789 68095 17149 71852 43420 80129 05793 35156 09919  
88986 52613 12244 46943 42992 82572 27337 10604 90479 83903  
27028 55819 29945 85585 04869 32054 13237 51190 85043 01974  
94883 34720 17552 47254 12429 29148 42261 73073 63974 53003  
26463 34033 11915 54590 63637 41346 72810 79797 14171 22995  
26644 76412 86951 12508 36395 65926 46282 44280 62471 51101  
24047 51449 00116 46209 28568 25202 38793 44114 61557 55348  
84445 32736 08422 82081 25191 35293 79597 99375 83120 04711  
58351 84491 34339 24622 07301 09198 97843 88452 99308 85551  
09423 45636 16295 23449 76162 51749 69692 30398 01549 52621  
60669 62803 38705 20022 76740 000 000

**10936/9336/8136 kHz, 09-10/12-10, 2210/2230/2250 UTC**

931 931 931 1 626 70 626 70  
58301 23522 61771 74158 40285 47459 88063 17867 01649 31810  
81926 93531 78274 36515 41314 28164 53596 25397 08126 45356  
14119 29329 38852 35116 35486 19016 63734 62702 10662 25804  
58146 67527 43458 14100 45084 27815 88275 75117 70734 25598  
94021 85469 60242 69814 29245 33651 09897 08162 95164 55594  
74804 13714 49999 82105 49892 51235 93174 67990 99089 35419  
22851 58816 14422 42066 69512 85827 34229 83106 18848 32872  
000 000

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

546 546 546 1 8257 108 8257 108  
39797 22885 83991 98935 60480 39472 11026 45088 84117 37383  
86886 37411 52320 67068 21670 38214 70916 96342 68283 60273  
30344 15337 05518 91420 45786 08556 85207 31823 74630 63166  
21335 42076 96611 98076 43203 34606 08068 64676 57088 85686  
19573 64149 08928 99556 20608 17067 73447 09814 12471 37079  
52665 25708 67928 27252 73572 67567 01386 06665 15874 70323  
61568 63745 91137 56624 95368 60392 59463 07932 07336 83772  
01020 52163 80454 94148 94306 88468 60707 80268 95545 34064  
00528 35387 02333 84949 39681 19134 08339 90274 88667 95971  
27720 35480 15501 23020 36892 55686 93418 88340 12392 07288  
72348 58171 96850 45950 45104 48462 14823 31666 000 000

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

546 546 546 1 8830 104 8830 104  
71001 00515 80345 58732 39466 71752 45560 35154 55026 47774  
89169 07471 30006 02663 96621 45017 26154 72523 00366 91558  
59633 51599 62012 99088 03028 21831 70294 07424 81415 21723  
57831 16000 33736 44557 31590 10946 64088 59882 75876 27715  
76590 59064 26342 26311 39050 73949 60556 46339 05600 47897  
27273 70968 82437 60552 31335 78508 71862 99956 88481 70548  
87885 54163 77880 27533 84768 82713 55175 83406 41302 51323  
99099 77395 58976 15143 76054 73320 91234 18981 69434 29337  
40609 12329 23298 34980 96823 04696 41653 59323 00340 33945  
38610 19342 17279 68873 14523 27174 61544 98821 42016 82157  
26639 34375 83344 65130 000 000

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

317 317 317 1 7327 104 7327 104  
20179 22052 06593 29919 96348 37633 40049 02915 06566 31673  
19973 08891 32964 02654 45055 71344 18706 16092 14674 67027  
76238 05263 93162 38477 28029 34007 43448 06542 09278 75524  
08366 31361 21878 49343 45074 19795 15225 62730 25576 40275  
19307 92374 72880 88441 80646 61434 26662 74284 98411 55460  
48111 27723 79138 57156 39889 10426 70487 01180 65737 37825  
55375 16623 94660 39432 47766 53070 15342 25390 70630 60468  
66854 48403 06796 07675 12756 53044 94426 14291 68596 99543  
37269 62161 63540 16912 63715 29017 06465 88927 01877 23265  
21473 40173 10978 22045 76508 96246 80417 03084 76125 31417  
61982 38516 15664 55775 000 000

**14416/13416/12216 kHz, 11-10, 1210/1230/1250 UTC**

442 442 442 1 254 56 254 56  
29249 12262 52413 23274 80397 40115 23294 14298 42563 47911  
32223 72841 81385 21528 43205 60026 61834 44761 86564 23742  
36642 42294 79364 11157 00628 85174 86739 23887 70166 51489  
03236 51933 82383 58413 00488 67741 30555 86066 49071 33856  
63276 03789 83191 48915 89091 29406 84767 70007 21629 23061  
00361 84721 04452 36615 74463 67689 000 000

**8047/6802/5788 kHz, 12-10, 2000/2020/2040 UTC**

463 463 463 1 3687 100 3687 100  
71676 99333 84403 13607 05887 96521 50760 99371 10049 93767  
58601 23432 72854 56762 80776 87233 94950 68352 14283 86762  
93375 34527 90897 28524 81182 12917 41856 20525 35865 98460  
59941 75184 37006 14657 26382 66949 05725 05212 43370 91320  
11184 38024 82314 12334 58648 39170 64580 72540 39359 84221  
82848 37742 29546 95321 80788 31939 84450 10799 06713 67865  
56071 51228 27947 09003 00855 26545 64725 28248 88611 90595  
34829 78734 02723 65374 33610 04212 64498 66117 74777 71620  
25649 07584 55956 19290 17779 35394 79998 69442 39735 52823  
84504 96096 00113 66251 35534 69696 66188 55952 04363 95469  
000 000

**18639/17439/15839 kHz, 14-10/16-10, 1400/1420/1440 UTC**

648 648 648 1 188 59 188 59  
42720 95648 51353 42149 76758 13743 48062 30697 82155 25556  
22693 14212 23627 20071 03210 65530 33876 40127 18412 15918  
42294 81105 30301 79153 66573 40264 88821 71624 78581 85587  
23442 62495 27605 01973 42206 39963 35811 54536 27652 56523  
96258 86124 08139 01048 09385 91864 58868 37403 34022 38922  
75987 90980 46911 88576 68741 13016 19280 92638 38098 000 000

**11435/10698/9327 kHz, 14-10, 1710/1730/1750 UTC**

938 938 938 1 3909 105 3909 105  
93574 57097 58156 73526 00802 59172 80651 58855 18433 82408  
97065 26653 61790 77587 90878 87974 39272 20074 01460 12239  
65067 71613 00830 31436 73092 68764 97786 39289 67878 99029  
33103 72070 17792 32648 98598 73529 80740 17471 95255 75560  
63589 88160 62485 43468 24584 22980 33022 21143 69223 35035  
23706 17922 07982 46076 59321 47718 74442 77915 05236 61454  
75042 90977 37196 19525 05433 54055 67674 90519 95359 40424  
70339 55982 02081 01192 64400 60955 38105 84515 75410 39093  
19852 15049 23960 75836 81652 52108 36705 62526 33245 37087  
18751 90365 35037 25687 18535 85360 74937 26375 12335 84770  
89639 50226 54341 01519 48294 000 000



**8047/6802/5788 kHz, 14-10, 1800/1820/1840 UTC**

463 463 463 1 4951 91 4951 91  
59349 25455 92360 47337 32529 86777 48249 11620 30823 43787  
29157 23331 38526 01498 37651 00787 93172 19390 80463 75891  
74969 28971 26004 97484 56869 67919 29777 58010 93272 51990  
59123 93215 14525 84072 45237 84618 36661 28253 18321 02826  
48271 54166 05110 04983 51427 14314 50745 27770 06322 60386  
72094 92855 45069 69601 36845 19227 08046 14532 71066 54393  
06569 95346 95450 30660 14003 89555 70699 63085 74194 93542  
75252 00912 56920 85121 33505 77959 32153 98319 46480 15333  
56296 24363 66970 73621 34787 52364 02517 02712 56686 07799  
88216 000 000

**9317/10484/11552 kHz, 15-10, 0530/0550/0610 UTC**

135 135 135 1 5409 105 5409 105  
11957 77908 35118 23017 46661 36939 04941 27895 81393 59122  
88302 35095 62695 76429 05974 77797 57438 06910 93121 40789  
22104 88780 57520 94459 24176 61729 18830 97244 17743 88349  
11970 01679 37920 91635 19072 10137 54828 59519 89456 42611  
20454 41496 18118 09397 29824 48873 00994 14259 48671 70353  
35953 82554 25819 62008 47994 64945 27004 92116 49230 52714  
86834 90034 25299 88763 47782 49473 15817 59712 91274 93537  
91554 85716 22584 11241 28673 47277 37816 97172 08391 82065  
39386 28952 89289 64538 32543 38038 27112 31685 19793 43614  
06420 34880 55317 05831 11805 65117 99213 34862 24288 59065  
22520 43460 14667 94218 91240 000 000

**11435/10598/9327 kHz, 15-10, 1800/1820/1840 UTC**

938 938 938 1 3012 112 3012 112  
60305 84207 11304 52618 11496 52666 32372 74689 51638 65250  
00290 47712 85497 70323 05645 01402 75934 71357 20236 97372  
78250 57024 56589 90187 85483 23145 76387 51081 49366 06130  
59097 24349 92616 85046 96870 39501 18750 08658 65335 45577  
06201 32522 08177 45121 40236 92515 54102 51866 42456 48356  
09207 37340 69910 08969 43706 16006 66857 44495 15853 00903  
90415 31202 56942 06907 81311 05808 47864 59739 27257 87484  
38543 81638 20247 55875 93900 55745 31396 18594 05154 35369  
33124 30018 50455 28735 17768 10782 87340 35742 30603 75367  
19611 27004 63787 98370 77730 10579 54908 08348 81528 72340  
29334 29891 97955 43019 48812 52129 74736 60264 82858 90156  
04965 44655 000 000

**12162/11566/10711 kHz, 16-10, 1710/1730/1750 UTC**

546 546 546 1 5823 109 5823 109  
87316 13923 54708 61123 30947 50052 83520 00129 02059 59762  
36333 28047 76697 00394 74011 88113 42827 83995 54832 52540  
46607 98043 62769 76626 72291 97374 17483 94575 53004 29093  
09022 78078 11260 69979 76210 43851 23385 69725 04501 86126  
20665 35958 99376 45198 59846 28791 78605 17208 53163 88249  
08763 92127 88186 65329 53160 63114 43295 13432 20864 30179  
11267 01049 60770 30187 67152 76340 05023 54179 26181 92221  
16348 02597 83045 15664 78920 09360 22305 99405 10566 10652  
72907 96677 69745 09330 57600 49251 20161 02239 66081 76053  
46984 91346 02397 86098 98680 24853 88870 20025 49877 03064  
59409 22853 49297 68969 59525 33540 56825 78466 76668 000 000

**12162/11566/10711 kHz, 17-10, 1700/1720/1740 UTC**

546 546 546 1 1448 110 1448 110  
41267 68095 05462 70336 92977 64183 19279 58786 22530 87690  
19063 55938 96045 23609 22791 62980 31813 42400 19007 50551  
42150 33217 80998 05615 76298 97399 38308 19568 19534 33707  
70015 38026 82994 17652 92359 84267 31194 02043 97987 62142  
32054 19590 70773 75443 66176 53624 87292 12964 73702 25904  
78482 03842 32543 45348 79332 06583 12665 86539 12130 94856  
56287 32632 85172 62654 00646 00948 55227 24863 63779 20086  
72774 02160 60137 06270 89294 69265 67325 58398 84303 62502  
11078 53815 07278 51842 18945 68219 92541 75585 63706 54613  
73330 50981 33109 77359 13715 15890 46656 51798 04749 09074  
30337 61336 56065 04426 30695 61574 04265 76690 57655 42934  
000 000

**12162/11566/10711 kHz, 17-10, 1800/1820/1840 UTC**

546 546 546 1 4243 104 4243 104  
23126 71797 86565 91231 52105 82481 32212 60776 15115 25036  
06968 63466 29921 07358 60673 14577 12912 09794 74633 66410  
35070 55590 63081 36893 56725 47895 51694 11256 95473 42689  
99861 77975 84965 56078 64497 88556 61757 84512 83077 99583  
49488 45627 14926 86329 39408 86332 27816 07261 97893 28211  
09362 62496 19038 91336 14343 80683 86429 17513 30031 69498  
55592 51086 45447 25645 96703 45290 53311 19390 13486 46018  
93980 37087 80059 63628 36568 21354 29612 17511 72317 84807  
13661 12542 83636 63550 60984 92445 45837 08757 03712 92183  
82997 86548 83088 98606 82392 95276 12064 01318 51021 32482  
37627 25778 20236 25522 000 000

**14377/13461/12114 kHz, 17-10, 2000/2020/2040 UTC**

317 317 317 1 3392 105 3392 105  
38318 42791 28767 02179 55450 32107 58354 63510 57002 90394  
32297 44015 96642 71741 58002 72139 31513 86848 79888 77949  
19968 21758 58196 60088 87322 79774 66157 10926 96669 65481  
69058 39737 38561 73748 19985 20539 28869 97559 60601 82163  
36007 30055 36995 53103 56748 50971 47205 64135 02510 12646  
71313 25111 80190 05292 63837 98254 38648 23048 82932 81070  
36736 10337 00918 75951 35739 14117 35021 39637 95953 94828  
40958 14262 43473 72964 69488 98088 21082 77051 87331 63668  
84666 48721 68632 48681 55607 80703 07151 96135 68391 70174  
65114 48558 31026 32901 22045 74952 29765 20951 37306 29000  
80679 59360 46634 78480 51752 000 0000

**14416/13416/12216 kHz, 18-10, 1210/1230/1250 UTC**

442 442 442 1 254 56 254 56  
29249 12262 52413 23274 80397 40115 23294 14298 42563 47911  
32223 72841 81385 21528 43205 60026 61834 44761 86564 23742  
36642 42294 79364 11157 00628 85174 86739 23887 70166 51489  
03236 51933 82383 58413 00488 67741 30555 86066 49071 33856  
63276 03789 83191 48915 89091 29406 84767 70007 21629 23061  
00361 84721 04452 36615 74463 67689 000 000

**11435/10698/9327 kHz, 21-10, 1710/1730/1750 UTC**

938 938 938 1 3719 107 3719 107  
77703 42685 81626 93110 16518 69107 02457 92041 86921 32848  
36824 02517 40505 67026 63792 26305 41723 43216 77866 70964  
61372 08801 49462 33361 34889 84035 27668 37902 54102 72143  
37251 12473 67559 62888 63235 82851 52691 44146 12166 88616  
53367 04802 83967 31644 11417 32676 96796 19920 06117 73592  
72264 39193 88133 26995 41334 50239 06649 73052 27082 15785  
13638 59903 36893 11636 95463 61402 02487 69353 73768 59040  
08326 69902 44908 12917 28098 57777 60991 18211 60339 34777  
39878 28331 21225 34987 29800 24604 00904 72219 40480 48186  
85804 31866 71381 72177 02894 81766 33836 42861 63542 00995  
16306 67955 23192 33026 53561 66336 81815 000 000

**8047/6802/5788 kHz, 21-10, 1800/1820/1840 UTC**

463 463 463 1 4325 93 4325 93  
93467 96126 30144 40330 45964 13319 98746 69145 42391 86962  
42377 33725 73026 52787 68985 11055 44684 84062 21888 12125  
69086 62416 23270 26187 01064 40004 80798 54828 60990 99175  
41255 58442 61478 16295 88991 92054 49249 77242 69302 45119  
37117 62335 27897 78081 33769 84976 41961 67162 44880 81325  
55205 99529 13661 18180 97366 85960 70610 88801 72870 18168  
99515 81646 40811 06463 39063 79554 03780 75453 71547 73759  
53534 98988 95196 17004 51935 15696 32959 77930 86663 10475  
83614 34273 41014 65608 48695 95204 11837 05805 34106 76526  
64391 06665 81232 000 000

**9317/10484/11552 kHz, 22-10, 0530/0550/0610 UTC**

135 135 135 1 838 112 8838 112  
50839 49361 71917 93061 41854 76756 78166 81165 12083 22006  
03164 42292 81793 90249 71300 10012 45795 37522 68247 94144  
29608 99062 32178 34830 24923 99930 69570 48606 46809 47554  
56741 70479 99765 36373 48875 55929 24385 01152 44907 48255  
73729 77085 10187 45804 14748 98790 72371 86198 21391 32133  
90203 36330 80178 87468 74922 01834 67361 70337 23789 20512  
68445 40982 27083 16451 74196 46029 05708 82816 61405 42958  
55995 26580 89682 60004 88394 69032 17534 55755 17008 64588  
32800 72048 26159 04346 03543 07308 23259 98537 35263 56417  
21117 06460 99966 83569 29073 50817 32135 12188 34827 45604  
20825 30471 98286 77614 62775 70799 04875 34972 08369 51960  
68557 93067 000 000

**Unscheduled M12. 9178 kHz, 22-10, 0740 UTC**

816 816 816 1 9229 36 9229 36  
84901 25181 47048 05792 39145 72406 33929 76566 33954 35943  
71569 92453 00017 08840 30038 99502 13079 18229 41925 22873  
46439 61279 06432 70215 25646 10876 61867 58772 06529 77607  
29611 90978 62403 88757 83595 59358 000 000

**11435/10598/9327 kHz, 22-10, 1800/1820/1840 UTC**

938 938 938 1 2791 111 2791 111  
43961 47196 52109 25521 74063 17808 12628 49432 12258 04521  
28319 92320 78014 35925 30199 42582 62695 39528 26135 32005  
55268 26325 76503 42061 30633 68745 21527 19913 66371 51100  
11481 58931 38962 51231 52925 76927 57734 07612 30599 77745  
39885 82134 88755 61512 85018 56937 09564 69985 85273 42043  
61527 78709 22863 83019 72664 23373 26591 84386 81883 57635  
12845 45974 44967 57845 40141 53728 57022 07037 34532 32217  
78170 10330 17699 64747 87471 95827 30651 66211 04635 68545  
94749 04361 52167 00183 02636 40025 19378 93250 12605 82065  
66704 77375 93110 68478 78571 85688 10469 41321 19400 81499  
98287 70096 11584 98425 45166 83562 61699 28691 31350 93661  
96244 000 000

**12162/11566/10711 kHz, 23-10, 1710/1730/1750 UTC**

546 546 546 1 8980 111 8980 111  
58692 76707 32118 40908 85984 94727 85925 19193 36985 83467  
81328 09842 38538 33966 59965 25035 69159 76634 20670 41691  
53701 81666 58596 37041 66613 53261 08119 32130 50978 45617  
61275 87566 59055 67393 16636 67839 97094 96361 56575 69411  
72685 05818 18266 78116 03787 51880 62612 71234 47170 73807  
78351 34710 86012 81139 65762 21989 12802 79109 23125 76051  
52411 10638 15919 58084 80046 34514 51464 97690 73727 73039  
96102 41047 75482 00370 71087 53879 03115 90339 77212 18890  
69235 75337 12257 33332 17082 09955 74803 01808 36067 54648  
85565 99411 76709 63217 24359 56406 52467 19154 07780 61260  
12466 32970 25345 41108 71676 57443 64704 37804 99441 53235  
46183 000 000

**5794/6794/8094 kHz, 25-10/26-10, 2100/2120/2140 UTC**

770 770 770 1 330 95 330 95  
62471 98754 59121 40044 41117 94286 06840 94697 89084 61877  
46062 85667 95395 68844 23758 29778 04045 47831 12072 43530  
91794 45310 69696 51143 61487 11582 36869 18172 36541 28722  
12785 94328 86739 27549 73124 23457 33540 32527 75294 98746  
60671 44346 95182 67382 52353 50381 23916 30968 42113 80955  
79927 13893 70817 19125 97721 29894 83279 96589 31620 13186  
40113 67336 17261 88971 57514 66148 67258 01993 80330 38489  
19693 41214 50255 70498 28060 52956 81747 46164 41694 98512  
15549 08627 59161 06350 70799 19088 04354 59203 97932 19471  
19940 39161 39820 47326 33578 000 000

**8047/6802/5788 kHz, 26-10, 2000/2020/2040 UTC**

463 463 463 1 4296 98 4296 98  
82847 74546 89137 68334 42404 81398 77988 94703 96777 61274  
45972 67798 51568 00247 21204 85727 79554 28152 16828 80087  
68891 32934 00521 65026 28716 62015 84851 80630 99811 00612  
29824 71625 02776 62012 59716 30506 56993 86503 64370 71055  
70587 32661 75660 32747 97986 16019 10048 41020 69985 17766  
44685 90725 71560 75276 22530 08124 38344 73288 34863 43288  
55994 28275 19471 88122 32383 83806 76238 89301 81537 39044  
62955 31065 80118 57183 84004 27019 83350 46685 68742 89451  
68116 11812 51977 56503 90326 07676 23592 01298 37550 59977  
13312 65945 45159 16946 44529 14721 17805 90376 000 000

**18639/17439/15839 kHz, 28-10/30-10, 1400/1420/1440 UTC**

648 648 648 1 5675 42 5675 42  
35430 79721 80639 12678 46943 57308 29562 83010 04813 43897  
55665 87011 60948 43763 33650 31318 86051 95480 86615 58887  
59857 24441 76004 29636 04637 74879 74387 85807 94779 35800  
59927 19006 54966 67230 35189 23013 24631 03584 71463 80643  
05073 39277 000 000

**8047/6802/5788 kHz, 28-10, 1800/1820/1840 UTC**

463 463 463 1 9409 96 9409 96  
83661 99924 95348 75727 59993 75143 38412 68432 80195 21325  
79876 23727 85687 73504 13169 53409 09511 21990 94955 21237  
80580 55013 57497 35029 90209 23825 39722 47520 86514 40166  
80049 20308 46638 08258 26864 26584 75996 44725 24011 97804  
14765 08645 30373 30547 41230 79725 22379 98519 31937 52380  
80188 89613 49964 36616 58387 97147 44702 37363 90988 89535  
36709 99596 72788 70091 45706 34450 76437 29013 14682 92695  
26700 85395 98362 86261 49465 22623 63322 05920 73119 61570  
58689 86532 04062 74919 96567 89801 89885 73687 91801 30116  
30179 22405 15950 75815 88362 06736 000 000

**8164/6964/5764 kHz, 28-10/31-10, 2110/2130/2150 UTC**

197 197 197 1 169 102 169 102  
05504 42991 74502 14266 61804 76342 22291 79033 67642 65818  
54910 40005 68430 37768 33345 24070 32748 94629 51745 52928  
10048 67856 21020 92263 73469 90668 72039 46580 06054 35503  
86356 74836 02570 88022 23725 82640 54539 00940 11071 90499  
57586 74262 83016 54477 26608 07478 40657 10245 48017 54476  
20718 88201 94001 31139 11725 54620 62656 13338 94339 02127  
10438 49604 32721 48877 32371 37124 06602 92355 83608 62662  
48931 27663 10901 37270 39856 04782 24197 39512 29671 48086  
08576 11841 69292 00265 27889 15928 65925 16859 20697 23965  
83663 89373 76642 55565 21059 67213 83459 43405 23004 57745  
00599 62724 000 000

**9317/10484/11552 kHz, 29-10, 0530/0550/0610 UTC**

135 135 135 1 3692 113 3692 113  
95775 32536 50587 53792 29696 29049 14804 12597 46990 60304  
51964 43367 51204 29689 66859 70234 90223 52828 42083 92933  
24827 48665 30501 82720 68976 00251 65648 61907 70559 23963  
24900 13294 49920 95788 37142 15312 60954 10631 03475 03651  
41720 89611 81910 16975 66519 40915 63762 24068 94904 84776  
27887 33975 47747 92787 87373 57937 13488 05454 86736 45759  
70833 64212 79720 87083 24783 54405 34778 54938 26634 49813  
88824 37185 83360 61824 03680 58311 13527 17222 85798 33865  
73616 68351 28468 37298 02843 12810 07232 34463 38924 28180  
77074 74057 96910 63231 81180 09082 37209 50071 14097 77332  
57787 66490 39933 38600 20875 12025 77037 31851 17268 72045  
68547 28420 02277 000 000

**12162/11566/10711 kHz, 30-10, 1710/1730/1750 UTC**

546 546 546 1 1319 104 1319 104  
 69900 84869 52567 23339 67979 99693 54702 61792 84447 14722  
 53435 18877 74335 73687 12501 85757 88858 20820 28066 35209  
 58761 72041 45094 80012 12285 93719 87373 94155 31747 42319  
 35561 81863 09879 84378 99335 63913 08911 53434 51680 70801  
 52593 57259 41937 33696 36688 06627 34148 71194 75909 67215  
 54291 55387 23768 06098 67902 69922 92866 69734 97718 65261  
 82329 16566 48543 52641 28042 93279 53456 65088 20286 27541  
 75269 27618 04107 47696 21464 10004 06798 19841 27826 78941  
 65502 41921 45878 14339 54327 54183 78516 29836 99835 17250  
 98286 70308 30960 61293 62349 32045 52397 33003 49769 96363  
 60434 90832 87352 31306 000 000

**M14**

M14 had big problems on 5 Oct. The first transmission at 0700, which repeats at 0800, was a mess but the second one was really bad.

**4370 kHz, 05-10, 0800 UTC**

Lots of problems. Error in preamble. Several stops. Deep fading. Partly unreadable. Sign off halfway the message.

523 43 43 = = 89016 56790 41235 17236 21060 ...

The second transmission was even worse. What a mess.

**4650 kHz, 05-10, 0900 UTC. Transcript as sent.**

523 53 253 433 = =  
 89012 89012 56790 56790 41235 41235 17236 17236 21060 210?0 (12 secs pause)  
 2617 17845 17845 24060 24060 62340 62340 45210 45210 47321  
 47321 93476 93476 93164 9316? (6 secs pause) 032 83032 62752  
 62552 52174 92174 59356 5935? 10561556 123552535 5?525 56720  
 35?5356553412 5322525552550 (4 secs pause) 0?552555?3223?1  
 225251401013?3253325255355 (5 secs pause)  
 1255522565505?555 225225152261523525?5522560 (5 secs pause)  
 555 5553222 52232?2532?252 5258520215 3255?2340225  
 225 53215322 253 253 433 88 00000

**5950 kHz, 08-10, 1820 UTC. Transcript as sent**

346 312 312 27 27 = =  
 48385 48385 94732 94732 63832 63832 45170 45170 75841 75841 53060  
 535?5?3217 63217 1515252068320 68320 3450 34450 9512 89012  
 567505?5552235 1235 172325236 21060 21060 84590 555335253512  
 3261732625 255274525?5520?5 ?230623552555255532253213555?7693164  
 931?4 353283032 62552 62752  
 312 32227 27 = = 00000

**5463 kHz, 09-10, 1920 UTC. Transcript as sent.**

537 512 312 2726= =  
 48385 48385 94732 94732 63832 63832 45170 45170 75841 75841  
 5306055?5?3227 63217 10145252568320 68320 34450 34455 55225022  
 5?7555?55542235 12351723625236 2106521060 85558555352234512  
 32617326272585175206525?0 (6 secs pause) 623562355225522 (20 secs pause)  
 53225325355335693164 9316 552 83032 62752 62752  
 3123122727= = 000

**4370 kHz, 12-10, 0800 UTC**

523 ... Messy transmission. Mostly unreadable. Strong RTTY interference

**4650 kHz, 12-10, 0900 UTC. Transcript as sent.**

523 721 721 36 36 = =  
89012 89012 56790 56795 41235 41235 17236 17236 21060 21060  
84590 84590 34512 34512 32617 32617 17845 17845 24060 24060  
62340 62340 45210 45210 47321 47321 53476 93476 93164 93164  
83032 83032 62752 62752 5217 5217 59356 55356205?105?  
123452235565555?720 34569 345695525 5322 12045 125553 5?0 530  
?063217 63217 1510 101068320 6832033450 34450 89012 855125?7955?790  
41235 41235 17236 17236 21060 215?5 590 84590  
721 721 36 36 = = 00000

**5947 kHz, 22-10, 1820 UTC. Transcript as sent.**

346 346 346 00000

346 312 312 27 27 = =  
48385 48385 94732 94732 63832 63832 45170 45170 75841 75841  
53060 535.--..?5.--..3217 63217 1010 1010 68320 68320 34450  
34450 85012 89012 56790 56750 41235 41235 17236 17236 21060  
21060 84590 8590 345?3 24512 3261532627 15845 17845 24060  
24060 62345 62340 45215521553215321?3456 93164 93164 83032  
83032 62752 62752  
312 312 27 27 = = 00000

**5463 kHz, 23-10, 1920 UTC. Transcript as sent.**

346 312 312 27 27 = =  
48385 48385 94732 94732 68382 68382 45170 45170 53060 53160  
217 1010 10140 68320 34450 34450 85012 89012 56750 56750 41235  
41235 17236 17236 21060 21060 84590 8550 34512 34512 3261732617  
17745 17845 24065 24060 62340 62340 452105210 73214732153553476  
93164 93164 032 8303262752 62752  
312 312 27 27 = = 00000

**4730 kHz, 26-10, 0700 UTC. Transcript as sent.**

523 312 312 27 27 = =  
48385 48385 94732 94732 63832 63832 45170 45170 75841 75841  
53060 53215 ?3217 63217 10140 1025 68320 68320 34450 34450  
(32 secs pause) 089012 56790 56750 41235 41235 17236 17236  
21060 21060 84590 8550 34512 34512 32617 32617 17845 17845  
24060 24060 62340 62340 452105215 47321 4532155?53476 93164  
93164 83032 83032 62752 62752  
312 312 27 27 = = 00000

**4650 kHz, 26-10, 0800 UTC. Transcript as sent.**

523 312 312 27 27 = =  
48385 48385 94732 94732 63832 63832 45170 45170 7541 75841  
53060 53?55 63217 63217 1010 10140 ?8320 68320 34450 34450  
(9 secs pause) 89012 56790 56790 41235 41235 17236 17236  
21060 21060 84590 84550 34512 34512 32617 32617 17845 17845  
24060 24060 62340 62340 452105215 47321 45321555? 53476  
93164 93164 83032 83032 62752 62752  
312 312 27 27 = = 00000

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

6911 kHz, 11-10, 0534 UTC	=990835??8?????
6231 kHz, 11-10, 0541 UTC	=990846??0?????
5201 kHz, 11-10, 1720 UTC	=992023??0?????
4274 kHz, 24-10, 0706 UTC	=991006??8?????
4639.5 kHz, 25-10, 1422 UTC	=991724??0?????
5789 kHz, 26-10, 0649 UTC	=990949??0?????
7949.5 kHz, 26-10, 0730 UTC	=99?1003?9?????
4613 kHz, 26-10, 0752 UTC	=991052??0?????

### **6911.5 kHz, 23-10, 1300 UTC**

=991600??8????? =991602??8????? =1334953122502 =13335730151102

### **4888.5 kHz, 24-10, 1133 UTC**

=23322902060827 =13323730356132 =23323902040727 =991434??8????? =1332730859434 =23332903070727  
=13322735329834 =991435??8????? =23322902030730 =4332233222??00 =13333730856734 =23333902070827  
=991436??8????? =23323902040730 =13323735329835 =4332333232??000 =13332730859536 =233332903070727

### **6911.5 kHz, 24-10, 1145 UTC**

=13333730856844 =23333902070827 =991446??8????? =13332730854846 =991447??8????? =23332903080827  
=13333730856746 =23333902070827

### **4913.5 kHz, 25-10, 0715 UTC**

=8500938631715 =51785007180513800 =8500939631616 =19285001017 K

## **M23**

5345 kHz, 15-10, 1710 UTC	444 (R15)
5345 kHz, 16-10, 1010 UTC	444 (R15)
5345 kHz, 16-10, 1710 UTC	444 (R15)
5345 kHz, 17-10, 1010 UTC	444 (R15)
5345 kHz, 17-10, 1710 UTC	444 (R15)
5345 kHz, 18-10, 1010 UTC	444 (R15)
5345 kHz, 18-10, 1710 UTC	444 (R15)

## **M51a & M51b / FAV22**

### **M51a: 3881//6825 kHz, 17-10, 0830 UTC**

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

JEUDI-LEÇON 14-1/1 VITESSE 840 CODÉ =  
GFDTE XVWBQ ABNHU EJLQP AMLIK WNQHZ SJQHS DGRTC XVQJA JUHKD  
VCGFY RHQJA KWLQO ZTDFS 35271 WNDGR JQKIL PMAIU 67349 NWJDO  
YHDTG XVSFE ZHQA KJQUH NWJFG HRTYU SKLOI MQPAZ BHPAK UJDGC  
45270 37658 XVCBD WNQHA JKQLA MPLIK JNDGR VXGQJ HDKRT UJFHV  
BCNXH WJQKZ KALMP OIRTD FHCXV 01878 DHNCJ SKRTZ SJWNQ HNGTR  
XCWVS QNBHA JQKAL MQLKO PAOQL NCHFG RTDFX WBQJH GBDJX +

JEUDI-LEÇON 14-1/2 VITESSE 840 CLAIR =

LÉGALEMENT, RIEN NE VOUS OBLIGE À DÉNONCER LE RESPONSABLE (ARTICLE 121 DU CODE DE LA ROUTE).CONTENTEZ VOUS  
DONC DE LA RAPPELER ET NE LÂCHEZ RIEN. DÈS LORS QUE VOTRE CULPABILITÉ N'EST PAS ÉTABLIE, VOUS ÉCHAPPEREZ AU  
RETRAIT DE POINTS, MAIS PAS À L'AMENDE (PRINCIPE DU PROPRIÉTAIRE PAYEUR) SAUF SI VOUS PARVENEZ À DÉMONTREZ QUE  
VOUS... +



JEUDI-LEÇON 14-1/3 VITESSE 840 CODÉ =  
BHC GF DUEJS QKALP MQL OI RTDHS WVXCD FSGQU JQKAO LQMNJ DBXVF  
WNSJQ AUJTG HBCVD 45278 10945 SCXVN QNHJA ZUJDI QKALP MLIKH  
UJHNB CGDTE SGQTA ZGWJQ AJQKL 23492 HBCGD XNWQJ SDZOL APMQJ  
HGBCV KQLAO UJFGC XVDTR 45378 WBDGY 68642 DHBXJ QNJAK LWMQI  
UJDOL IKHBV FGCUR SJNWK QKLAM PLATF RUDGC XVWSH QNBHJ DKJKI  
XGDHS WHNDK QKAIU RTDFS XNHJD JKJHG QKLAM LPWOR DFZHW XVCHS  
DUJQK YHWH D XCVSH QNBHW 23528 6YERS XCWHQ HNGTR 65473 HSJQK  
JQKH N XCDGZ 352// HNCVX SJQUA JQKLP MQJBG RTDFC XVWHQ YHTRF  
VXCWD QHAUJ QKALP 45739 HBCGF RTSHQ AIKDG XVWBQ ZYAJK +

JEUDI-LEÇON 14-1/4 VITESSE 840 CLAIR =

LES FORCES DE L'ORDRE NE SONT PAS HABILITÉES À SE SAISIR DE VOTRE TÉLÉPHONE, NAVIGATEUR OU AVERTISSEUR POUR S'ASSURER QU'IL EST CONFORME À LA NOUVELLE RÉGLEMENTATION. SON CONTENU EST STRICTEMENT PRIVÉ (TOUT COMME L'INTÉRIEUR DE VOTRE AUTO, D'AILLEURS, DANS LAQUELLE ILS NE PEUVENT PÉNÉTRER). ET SI PAR EXCÈS DE ZÈLE, L'AGENT VOUS DEMANDE DE LA FAIRE FONCTIONNER À SA PLACE... +

CQ DE FAV22 VA

### M51b: 3881//6825 kHz, 17-10, 0930 UTC

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

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

XMNAI LPOQI CBSNH ZAQID VNFJE MBKIR NVBDH MXKSI LFPRO 20189  
XAQEF .,=?' EIRCJ ZNSJQ LFEOD CXNSM ZAWIJ XNBSQ AQPOE CNDJW  
45203 LBKPR .,AS VA? XSJWL SMWID LSPOW AQNXH XWOSD NCBSH MLPOJ  
ZWUDH 78391 XARSH ?. /VA' BCDHJ AQBXU XVWUH NCMSJ SWIEU XZNAK  
LPJAJ MZNQD 45501 CJFKL ?. /AS' AQPOC ZXMSK SWPOI AQLPM CBSHW  
XBSUA ZALQO CNEUH 17890 NCGDI .? /ARVA ZAQLP EIUNJ XZASQ NCBSW  
., /'? NVUEI 25631 CNDJW LBPOD XNAHQ ZQLDO NCJDS XMCKD ALODW  
XNSGW 36479 VFKEN .VA /'? ZALJV CNWBH SWPLD XBSJA

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

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

SHDJE SHQLA ZOLDH XVCJS WNXHF CVRTD XKALP DLMSH BCJTG FHBCN  
XJQKZ PMHGB CNXJD RTGFO NCKSK WLSUZ QKAZP HBCNJ XBFGT 56382  
BWNHZ USKWL ZLDGC VJRYD XBSJZ QHWPB AMLKF 56820 18362 LWNCD  
DJSKZ IKDHC VXSJ AKLSM WNQKD HNCJF KXLSI JQNWK ZUJDO ALDMP  
IKFHC BXJZU SHQKZ 3872/ 01853 DHNCB XJSUR ZLKS H WNSJZ AKPDH  
UJDGB CNXJS ZUJQK ALMDP IKFHC BXNFT RGS HZ JWNQK ALPDG CPAJB  
PMFHC EYSUZ 36280 UJSHN BCJRT 4628/ JNCJD SKAIU DHSVC XNWPC  
MZUJG MQJNC BXJRT DGS HZ QJNBH XKWNZ UJQKA ZOLGH CBVUT YHFC D  
XBSJZ IKFHC XBDJS ETDGZ APLSJ NKXVC WKLDU 46289 RUJFH CBXND  
RYGFV PDFCO KNVJF CHVJR SHNCJ XNWJZ AUJDH XVQBO KLDJS UJDGC  
XBSUA PLFHC ZUJHC XBSJZ 37286 AIKDH BXS NH ETSYZ QJAKO LDHCT  
XBSKP

ASJSK WKQNZ AIKDL XBCPR SJQHZ NXCSJ QKZIJ QKPAM LHNFG NXJRY  
 UJDMZ JNPDM XBDGR 37658 29816 YGDBC VXJSU RTGFJ SNXJS AKPQM  
 OLFHD VXBRY SUJZK QLAPM KNGDJ CBTYR FHCVS SJZIK QLAPQ MAUJF  
 KGKSJ BCNXJ DKRTS ZUJSK 5728/ JNCHD XVSJR UJSOZ PLAUJ HNCKF  
 MSHDM NLRUG BCNFH CKXLS KKDJU YHFGC VLSPM XBDGR YSHZI ZJSKA  
 UJSIL 637/8 TGDJS BXNWJ QKAOL DJFGT SHJSK QKALP MQKGB CVDGR  
 SJRTD XVSZK KWLQO YHDKL SLPSM HSHSH ERDCX ZUJQM OAMPH 20178  
 YHUUJ CBXJR SUJZO QKAHJ 45372 DFXVC HWNQK OLDGR YHDKZ IKSLA  
 YHDKS VXBWK SKQLR SIZKP ALMDJ NCJTY BGCBD XNSJZ QJAKL DJNHY  
 PLKGH YUDGC XBDGT 47382 683/0 NCJFH TYDGS XWVJS KALPM KIJYH  
 DGCYX OLFHC BXNDJ SKERD SGZUJ QKALP MQJNH BCKFT RGSZH UJSKZ  
 WNQJZ YHNBV HDKLS PAHFJ CBXJF DGFED KFGCB TYAFJ 47387 NJCBF  
 XJSKM

ETC, ETC, ETC.

## ***M89 - Chinese military***

### **3045 kHz, 12-10, 2239 UTC, i.p.**

6UAD U473 A4TD T576 (Cont'd) AR  
 4A EEEE QSL ? K E E E A EEEEEEE R RPT 1W K  
 R RPT 1W 7352 7352 K (Both stations on this frequency)  
 R RPT 10W K  
 R RPT 10W 0002 0002 K (sent long zeros) (Cont'd to ask/send repeats)  
 R QSL 0647 K  
 R R HR WK NR 00210 K  
 R HR WK NR 00210 K  
 R IA EEEEE R HR NIL SK  
 R HR NIL SK

### **4102 kHz, 21-10, 1207 UTC, i.p.**

SE1T  
 FFF NR 003/EX 1936 =  
 Z1L3/X9B8  
 FF NR 003/EX 1936 =  
 Z1L3/X9B6  
 FF NR 003/EX 1936 =  
 Z1L3/X9B6  
 FFF NR 003/EX 1936 =  
 Z1L3/X9B6 AR  
 QSY 13M

### **4059 kHz, 27-10, 1406 UTC**

VV KCBA DE ADCX K  
 VV KCBA DE ADCX K  
 DE ADCX K  
 QSA ? K  
 QSA 3 IEC 7.. K  
 R IEC .. K (Normally associated with exercise)  
 R AH  
 VV ADCX DE KCBA R K  
 VV ADCX DE KCBA R K  
 HR... PSE ...

**4542 kHz, 27-10, 1345 UTC**

U COM 5131 K  
 R HR WK NR 130 K  
 R OK K  
 RPT K  
 R RPT K  
 R RPT K  
 R U KP IHR EEEEE R U KT EEEEE  
 R U KP SR K  
 R VV BIOX EEEE  
 VV BIOX DE OKOQ K  
 ... QSA 2 IEC BT 5322 AR K (Normally associated with exercise)  
 R U ....  
 R HR WK NR 130 K  
 R RPT K  
 U RPT K

**M90****4852 kHz, 24-10, 0711 UTC, i.p.**

PJP6 wkg CQXJ, XVSQ, K6ZJ, SVN, K6ZJ, SVN, MWV5, SFL7, AZDT.  
 Collective Callsign: HR3H. Traffic consists of Comms checks and short messages

**M95****4243 kHz, 07-10, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages****4243 kHz, 07-10, 1153 UTC, M95: CW**

VV HR MSG TO YR PSE CY  
 NR 024 CK 23 35 1007 1522 =  
 UT5 TT7 3U6 3A4 TTA TTU TT3 773 35U U4T  
 353 4AN 446 336 N3D 4TA 437 77A 44N 4D6  
 3DU N3D 3D4 AR  
 MSG AGN  
 NR 024 CK 23 35 1007 1522 = (Repeats message) AR  
 A HR MSG GA  
 NR 045 CK 37 35 1007 153U = EEEEEEEE NR 045 CK 37 35 1007 1532 =  
 5AA UTT TT7 3U6 7TA N44 3A4 TTU TT3 773  
 353 N3D 35U 37U 4TA 446 346 447 46D 34A  
 446 3DU 3D4 3DU 4D6 TT4 773 353 N3D 35U  
 4TA 445 346 446 3DA 3DU 4D6 AR  
 MSG AGN  
 NR 045 CK 37 35 1007 1532 = (Repeats message) AR  
 A HR MSG GA  
 NR 14 CK 212 35 1007 1545 =  
 UTU TT7 3U6 3A4 7TU 7TA NU6 7T5 777 33A (Cont'd)

**4364//8073 kHz, 07-10, 1130 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages****4364//8073 kHz, 07-10, 1137 UTC, M95: CW**

V BNGC (x3) DE XSV85 (x2)  
 HR MSGS GA PSE CY HR MSGS GA PSE CY  
 NR 0825 CK 37 35 A007 A555 =  
 TAT N5U TT7 N53 TAD N54 7TT TT7 746 7T5  
 77T DN3 7T7 TAU 773 TA7 773 TAD 773 TAN  
 773 TUT 773 TU4 773 TT5 773 TU6 773 N35  
 446 DTU 77T 7AD N47 3AN 7U5  
 HR MSG GA  
 NR 0826 CK 218 35 A007 A555 =  
 TT7 3U6 3AN 3U7 TAU 773 356 4T3 NN3 436 (Cont'd)

**4243//9054 kHz, 22-10, 1148 UTC, M95: CW**

**4243//9054 kHz, 22-10, 1212 UTC, V26: Chinese voice. Female operator sends the same messages as M95**

V HR MSG TO YR PSE CY

NR 075 CK 15 35 1022 1526 =

5AA UTT TUU 3U6 3A4 TTU TT3 TT4 773 353

36T 4T3 445 3DA 4D4 AR

MSG AGN

NR 075 CK 15 35 1022 1526 = (Repeats message) AR

A HR MSG GA

NR 44 CK 123 35 1022 1545 =

UTU TUU 3U6 3A4 TTU 773 35A N3D 353 4TN (Cont'd) AR

MSG AGN

NR 44 CK 123 35 1022 1545 = (Repeats message) AR

A HR MSG GA

NR 069 CK 14 35 1022 1610 =

UT5 TUU 3U6 3A4 TTA TTU TT3 773 356 36U

4AD 445 4D4 3DA AR

MSG AGN

NR 069 CK 14 35 1022 1610 = (Repeats message) AR

A HR UP SB WK

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## ***DIGITAL MODES***

### ***HM01 - Dirección General de Inteligencia***

Again a weird HM01 month. I really wonder why they are still on the air. V02a and M08a are gone and HM01 mostly repeats old stuff and when they have new groups it is often impossible to decode them because they are sending two different files at the same time. Complete nonsense.

#### **1-2 Oct:**

66012 17241 10803 16171 10125 67090. Repeating the groups of 17 Sept

#### **3-7 Oct:**

New groups on 3 Oct: 15314 71771 65503 38017 47835 34252. Often mixing with the groups of 17 Sept: 66012 17241 10803 16171 10125 67090

#### **8-29 Oct:**

66012 17241 10803 16171 10125 67090. Repeating the groups of 17 Sept

#### **30-31 Oct:**

New groups on 30 Oct: 77231 60159 01302 43608 76835 73649. Often mixing with the groups of 17 Sept or only the groups of 17 Sept.

#### **Oddities:**

##### **11435 kHz, 03-10, 1556 UTC**

New groups: 15314 71771 65503 38017 47835 34252

Then at 1600 UTC simultaneously the new groups and repeating of 17 Sept. groups preamble: 66012 17241 10803 16171 10125 67090 (no RDFT until 1602 UTC but still a mix of both sets of groups then once data mode started it was a mix of the data modes and the groups) !

##### **11635 kHz, 03-10, 1830 UTC**

New groups: 15314 71771 65503 38017 47835 34252 mixing with 17 Sept. groups 66012 17241 10803 16171 10125 67090. After 8 minutes they only sent the old groups and files.

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

<http://www.numbersoddities.nl/HM01-files-17sep2019.zip>

**10860 kHz, 04-10, 0530 UTC**

Finally back to normal. Groups: 15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)  
 Files sent: 78884783.TXT 37433801.TXT 45736550.TXT 31607177.TXT 58121531.TXT 36243425.F1G  
<http://www.numbersoddities.nl/HM01-files-3oct2019.zip>

**9065 kHz, 06-10, 0800 UTC**

15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct. Two transmissions mixing

**11635 kHz, 30-10, 1800/2100 UTC**

Mixing old and new groups: 66012 17241 10803 16171 10125 67090 and 77231 60159 01302 43608 76835 73649

**12180 kHz, 31-10, 1000 UTC**

Back to the old groups again. 66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)

**11635 kHz, 31-10, 1800 UTC**

Mixing old and new groups: 66012 17241 10803 16171 10125 67090 and 77231 60159 01302 43608 76835 73649

See further the Logs Section for all the logs.

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

The Russians revived three old F01 and F06 (70202) schedules. Both sent from Orenburg.

**M42 – various modes**

11164 kHz, 09-10, 0743 UTC, MFSK  
 13411 kHz, 15-10, 0755 UTC, MFSK-66  
 9357 kHz, 25-10, 0910 UTC, MFSK-66

**F01 – FSK 200/500**
**11136/9074/7723 kHz, 02-10, 1840/1850/1900 UTC**

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

**11129/9082/7344 kHz, 24-10, 1015/1025/1035 UTC. Two messages.**

40279 35305 66286 20410 11834 21633 02324 30668 54010 89588  
 40640 80878 27779 19971 40001 13665 65281 43588 79913 28885  
 52398 97819 62183 85159 05153 52411 58667 32359 00912 09205  
 28641 92242 50297 05474 54252 29421 20770 75564 67459 79840  
 47801 50523 66927 28978 94586 00398 48286 56924 46226 48909  
 96222 92553 49319 15164 11815 43966 32906 62112 73561 97376  
 71694 56431 55538 01659 77507 69514 51123 80715 29892 74275  
 75729 40869 81828 70073 00000

07909 25144 66921 70745 74142 85489 03907 78717 63122 45417  
 25847 35777 64410 27803 97493 92512 40108 63937 54185 95023  
 42751 01724 36580 27340 71182 03814 75100 02389 69109 59125  
 41268 87421 96018 56178 08124 74866 25142 91680 86914 34508  
 48166 12806 32241 07974 91360 16605 32844 31427 72826 54978  
 30230 97429 55536 18652 32308 91894 75875 98601 14242 67082  
 52346 48349 23693 36564 04141 95575 32643 03093 34269 76495  
 02989 55333 56917 91410 58095 94361 73737 04904 77490 75900  
 28749 39092 56895 79208 96536 33387 00768 71087 00000

**11129/9082/7344 kHz, 25-10, 1015/1025/1035 UTC**

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

**11129/9082/7344 kHz, 28-10, 1015/1025/1035 UTC**

67228 38940 72254 80870 00600 39652 47729 31000 80965 19673  
86715 60105 96070 36731 47955 87342 44011 67917 24879 94792  
84774 36092 21413 25207 22727 91081 01705 49389 37242 31594  
43456 51632 03674 78802 49569 06670 71836 37514 97768 46562  
94196 05884 32908 40967 20964 19599 31639 39217 04255 41468  
94120 47665 78536 32370 42485 40706 09516 64470 30711 28941  
28684 62680 95625 32897 95684 85257 03693 35758 55710 79518  
73304 13533 84094 73577 77233 66105 35310 90061 54964 97598  
38539 92738 89556 19494 07024 01983 28769 74940 53362 40039  
55086 07696 27956 92000 34378 24130 22789 93449 97847 21736  
07727 80692 36971 82581 91516 64537 16116 55138 24692 13539  
32517 72924 86548 57652 78312 83412 23399 48239 84304 85613  
30278 35352 50158 99800 93297 48255 90707 17799 34828 90083  
53065 07268 28703 82623 84214 68444 77633 22112 53789 66744  
70007 32010 61700 89694 58280 23700 85328 01615 26135 01009  
45946 94489 36590 69539 99069 58467 78262 36703 78420 20434  
51955 13430 48191 24080 64770 53466 43295 49916 23926 91208  
02303 98664 47462 64017 22723 86469 34045 29929 93353 25359  
59019 16727 83359 87396 88936 63290 92775 75968 31714 39170  
94135 52630 64637 53320 19883 92960 07372 87932 75284 69856  
32188 18302 81517 87704 28580 04666 78612 15875 64464 66953  
42954 94963 11151 78387 99020 14225 24267 38859 30043 83638  
97830 14042 17284 49042 33653 51148 62610 23761 93261 07302  
74066 35186 24528 51425 19107 09730 80192 25622 75204 44598  
70474 76948 32506 39812 16941 95548 28222 88926 99845 20062  
17452 51877 16101 96266 10108 58388 90093 99870 28658 15394  
04508 59410 66338 16889 43364 40176 50557 79670 64447 75117  
41150 53388 43322 53653 18198 78348 56114 04331 39066 89517  
93247 32276 69392 90142 21328 97355 17666 43449 35363 44006  
28119 55836 68492 18663 11609 50012 51428 35715 19166 51518  
38801 77944 87911 37056 44567 42365 14031 18081 53706 67418  
32469 58075 02361 02444 08071 46960 43627 05383 67824 81068  
41178 79636 28902 22126 57905 86021 02200 33664 31766 90762  
76043 18326 56025 35457 09764 04478 06084 39950 91818 55578  
80067 74055 42157 00740 45387 59067 63504 09914 08424 84985  
71266 62152 49566 54406 56727 80364 90754 89014 63245 31016  
87733 59604 80114 12212 64204 25573 83793 78590 30055 94830  
81189 76474 50859 40052 34672 87712 60838 32214 73521 05651  
36459 77360 21484 91667 72870 67520 95127 85715 30357 81730  
52693 69302 43001 98086 98113 04354 06734 02773 69901 96391  
88979 06997 69580 55462 27055 07777 09367 53261 07541 53511  
83765 99883 43784 00270 94783 88646 93742 69750 85447 82404  
85343 44822 61301 72423 00000

11129/9082/7344 kHz, 29-10, 1015/1025/1035 UTC. Two messages.  
42111 65400 91999 27927 08076 65725 35088 95516 30900 24820  
58470 67121 38065 84763 70862 52891 88205 53151 57377 89106  
91312 97883 22242 95521 14199 68233 62870 89443 69651 34364  
36208 61243 12716 62495 03308 40971 92545 67900 63067 10778  
33255 12919 11056 42827 42212 42187 84384 67375 69216 72247  
78545 00724 64984 77757 47160 87715 12396 41449 20579 38470  
28929 60066 04260 64053 63724 23427 42879 40746 37715 08831  
61093 57623 00264 57979 16902 27123 00734 28609 28547 63281  
98446 73081 00000

94404 43881 72421 09891 41031 90438 04659 29965 43934 58145  
11788 21767 49658 49915 34325 92646 93748 12490 26078 87100  
51013 56506 98202 25832 24553 70398 32508 90998 65756 89101  
68676 81087 42424 03465 95103 83859 97244 21327 98041 40796  
63771 16199 48721 01489 32120 24467 33159 91401 81549 77081  
54322 41463 22139 76649 61346 52897 12717 55871 85493 95753  
47264 78273 87531 64568 26949 67154 46228 39585 60000 73691  
42649 26988 56598 74073 00000

11129/9082/7344 kHz, 30-10, 1015/1025/1035 UTC  
14067 83120 93454 15191 22978 26199 32596 85417 25509 89901  
76565 83620 63661 93197 40006 57010 18478 41279 23754 59158  
79762 67912 95350 96305 96371 80624 83715 44468 80498 75907  
23916 17040 64406 16625 12967 87557 33046 88823 62614 97338  
80975 80114 60019 02672 67044 46837 72293 41235 65268 62166  
55817 22450 35329 62374 56284 71445 61141 33421 10407 81318  
30928 05066 85211 53391 57231 44680 15878 30138 60304 67963  
28044 50476 63322 08736 55531 82108 72843 15000 89402 10606  
42966 63462 19319 89910 46604 09698 53112 83961 02347 16147  
25517 54108 30302 25132 32008 72026 35398 69079 48659 62795  
41555 35140 23991 07855 25174 26387 53713 62495 21379 86784  
74329 67600 01459 82117 36514 60308 44924 54061 44219 13286  
54642 89581 70440 57310 88469 72862 85580 66828 05831 11932  
59346 13203 52668 57187 22120 15312 33218 54003 96740 42208  
42033 96602 36632 47510 54701 75396 31217 40221 00687 34954  
64553 21663 66747 84816 38132 43206 04346 30325 93768 64495  
39511 15656 97535 16845 08571 96251 70663 01497 68204 82832  
78352 77435 53250 24180 12432 18437 80706 20874 28808 44042  
23352 87178 25628 54147 01442 03255 73112 21891 65906 24900  
30975 24537 71487 42983 14388 17021 63254 09790 94412 77872  
24944 74434 43847 82179 62538 94550 64410 81297 21555 16438  
56226 93975 61443 40849 15516 38607 35570 16614 71462 61272  
50189 29279 98162 39273 00867 76958 62623 64841 09775 50574  
94723 38713 12312 60681 90088 28254 66467 78065 81814 69818  
83383 80288 41976 20039 02547 21393 98853 85725 60037 66921  
80826 87071 23296 61469 22860 33839 90820 20939 96528 19229  
80247 66687 49512 61107 53245 43759 65501 45286 50668 90384  
80452 50542 36397 50940 16124 60061 73308 49550 16839 88995  
79811 66518 00411 82820 40390 84787 59155 66182 68584 98593  
71950 46921 45852 01527 13260 04954 84743 96165 70074 20713  
89836 92483 02694 22820 14860 87218 10297 59684 39440 41373  
87234 24722 13924 98059 80984 89864 45698 07864 87700 27062  
25454 53904 46297 22465 16830 93799 17009 12966 57868 60709  
55357 99787 47731 90649 17472 18818 17101 68260 57686 72364  
05716 08226 04363 52025 95467 14512 24880 07361 72507 84642  
15711 40048 16788 51166 78542 28222 42485 77526 68363 10668  
37744 50513 24463 85573 77169 36479 20283 03514 05508 93518  
93045 59367 15968 56786 39110 12836 71598 39153 85989 92279  
43170 14378 76962 61527 62007 74985 29221 54365 11185 82042  
51491 06398 03559 49014 32067 38947 20035 26887 33185 74699  
06535 82754 52691 89771 53097 89043 38926 31897 03535 65574  
69771 59405 69100 41637 31795 80694 44596 30282 60428 98880  
50358 31993 27122 91304 48562 09958 84405 75427 00000

**11129/9082/7344 kHz, 31-10, 1015/1025/1035 UTC. Two messages.**

09139 03439 43205 46565 27068 78268 53711 33132 91303 62626  
22160 62495 42757 88291 18562 15250 12109 22220 20443 67769  
99954 36019 03975 66617 42595 03645 76223 08516 05658 38264  
03191 99329 72734 04209 13349 90483 21236 64969 81353 16261  
02633 53158 21612 80417 69275 73387 46411 65552 14996 73987  
68278 63668 21655 48514 51266 51360 28840 52986 40859 58068  
68892 49764 27171 00843 34453 14050 21136 84039 70722 63901  
48375 87404 09603 99731 90428 90967 87936 64218 28030 10191  
17001 58550 66127 39814 95468 75970 45329 29825 83010 38537  
69458 41990 76729 48047 03913 60405 57612 87051 24511 54466  
99194 30912 21514 17743 55611 56827 88511 31144 71238 76109  
00000

21548 65681 47295 90877 65286 39472 44364 79990 45600 94372  
83485 88424 00658 77748 59076 51241 95585 39334 15291 41622  
33378 54516 06191 90490 46756 52406 79843 25767 88178 34631  
16041 79681 60183 95786 72309 37599 53245 81489 17916 26784  
83346 44960 60544 68540 46435 88084 95336 42171 31970 97879  
30988 34191 62734 14310 72575 71230 53105 90392 65815 60067  
02970 30515 32432 83229 69471 17925 51330 23596 83772 67307  
65254 16441 05036 63407 17621 52358 28785 71612 49217 79501  
91856 31458 09452 78578 41122 68972 61839 09035 58161 77089  
00000

F06 – FSK 200/1000

Link 00052

**19986/17549/15654 kHz, 09-10/10-10, 0800/0810/0820 UTC**

11166 00052 49671 09046 01519  
36786 22530 12130 79614 14783 05923 96052 33531 36120 32336  
32816 35662 29775 13058 84601 00598 10186 22188 07718 13965  
18182 29221 84287 34588 63988 40719 99337 23716 09374 18247  
99243 80967 66187 64767 92450 91719 52011 96684 78430 15600  
51386 43711 15783 70784 56041 43762 65446 93777 82561 25054  
69941 79375 90938 92595 54578 30489 52434 61263 61592 72513  
40198 02647 53107 11946 41082 97851 43897 43918 12076 13442  
49864 38354 29812 42719 63182 59413 06582 79523 90031 97939  
71275 16734 11876 21570 38722 86669 56204 72219 15832 85570  
87687 65607 17995 49349 55685 72527 94172 72795 59033 86541  
84123 89432 14051 07787 56182 54201 36719 97582 99057 96159  
74945 83530 66059 33397 51870 19783 95211 67340 06143 32180  
53682 98640 40109 02938 79957 31826 11848 74567 22225 60923  
31988 77731 96364 53210 51253 12704 12027 73310 49664 39136  
40197 14800 63340 53809 20711 31525 09834 61062 33149 46149  
00000



**19986/17549/15654 kHz, 23-10/24-10, 0800/0810/0820 UTC**

11166 00052 83590 23047 01029  
00003 29419 32002 87959 35727 03249 53257 35147 36120 56300  
71503 23255 62658 97790 63463 64092 64517 57841 78073 83496  
07343 02462 12408 33438 17760 73634 41333 31564 16795 15428  
06349 51622 65742 72088 92527 13204 08619 69040 28722 44230  
78377 12731 30547 14648 59089 70265 42293 64732 21262 14763  
07455 76479 72492 47367 22553 61480 90641 31864 53956 63752  
31709 02831 22366 00944 29615 33250 84674 92354 30050 72548  
67868 47209 25602 90970 34673 11628 84341 91245 85619 97717  
89048 73471 27230 43236 29267 64162 60998 75257 13391 45394  
72861 76278 92944 44982 27849 76207 16266 73633 99592 18662  
47100 00000

Link 10031

**19476/17458/15885 kHz, 09-10, 0915/0925/0935 UTC**

11166 10031 13579 09001 00049 00000 00000 00000 00000

**19476/17458/15885 kHz, 23-10, 0915/0925/0935 UTC**

11166 10031 17935 23001 00049 00000 00000 00000 00000

Link 10053

**12215/10814/9046 kHz, 01-10, 1650/1700/1710 UTC**

11166 10053 13579 01001 00049 00000 00000 00000 00000

**12215/10814/9046 kHz, 08-10, 1650/1700/1710 UTC**

11166 10053 36987 08001 00049 00000 00000 00000 00000

**12215/10814/9046 kHz, 15-10, 1650/1700/1710 UTC**

11166 10053 73951 15070 01649  
73435 44599 37375 47395 28626 12979 15473 22879 02548 72912  
18212 72504 43874 73826 20330 57432 12209 52996 50228 46258  
67742 95152 93407 60278 09381 59146 95448 89729 91915 61802  
99091 97351 18731 53970 26080 92736 13653 30461 54840 94672  
96358 99266 80612 94041 73082 06242 10281 49521 90894 42135  
64854 87903 53335 13544 53874 95374 61499 06335 35155 37145  
96325 80293 71830 98456 98606 93430 53349 67005 57832 61206  
00628 02301 00431 32338 36776 46722 17242 48593 97205 56169  
13811 87510 08383 84801 81426 53670 46932 91773 35998 21525  
61485 47388 54102 99696 22338 18358 62117 12736 80547 88591  
65649 55471 60159 48647 48570 90703 13499 50641 67200 08835  
08351 32270 15844 28299 13696 48871 00051 65228 89831 50796  
00781 82620 75831 90748 30521 00577 71304 00196 58478 96819  
20266 27820 90825 19160 87177 19367 60636 81013 67385 05039  
53346 92333 07871 01284 28793 52607 20926 06698 56972 68885  
27658 59968 28834 38447 13382 55114 97720 60698 68484 87152  
68095 73270 70162 00000

**12215/10814/9046 kHz, 22-10, 1650/1700/1710 UTC**

11166 10053 13579 22071 00049 00000 00000 00000 00000

**12215/10814/9046 kHz, 29-10, 1650/1700/1710 UTC**

10053 56248 29001 00049 00000 00000 00000 00000

**12189/10734/9129 kHz, 06-10, 1530/1540/1550 UTC**

11166 10053 97531 06066 00049 00000 00000 00000 00000

**12189/10734/9129 kHz, 13-10, 1530/1540/1550 UTC**

11166 10053 13579 13001 00049 00000 00000 00000 00000

**12189/10734/9129 kHz, 20-10, 1530/1540/1550 UTC**

11166 10053 93457 18066 01789

98612 13844 24412 54585 78436 61520 76207 28521 05152 90009  
36178 32671 38307 81041 61023 06623 16110 54638 37268 22537  
21855 05092 90682 96952 91902 33039 32666 58567 50328 08634  
55246 27637 50214 95352 85239 68018 45073 82490 60124 68902  
04138 64274 05294 91808 79703 87786 48201 00141 74239 87557  
56015 05823 60526 09533 22725 92899 43463 30810 12827 64008  
42114 59660 82268 41656 74784 24584 15941 27561 67683 73408  
81524 55607 89574 37009 20768 64321 97036 02433 48780 02943  
65861 71834 69946 50199 47103 09556 29557 80129 34794 19944  
61504 51191 95151 30718 48892 44822 32758 32286 98082 00026  
22708 29725 80982 08197 06334 17408 79368 75009 30036 88622  
30429 25929 09662 63997 31313 13974 08046 28779 75672 23642  
05200 95014 49500 81906 40511 00997 47394 68840 87188 94203  
19562 75992 93484 21257 61532 71751 76715 81671 10422 62393  
03994 53515 03569 14086 69399 33244 96692 49477 92151 24611  
41384 86775 14747 77954 92788 54989 51149 03000 77994 92455  
55796 25768 44274 26211 72406 77033 34707 49472 58901 92166  
93687 70126 86727 96658 51313 06299 66176 00000

**12189/10734/9129 kHz, 27-10, 1530/1540/1550 UTC**

10053 14279 27067 00049 00000 00000 00000 00000

Link 40122

**19268/17548/15779 kHz, 02-10/03-10, 0600/0610/0620 UTC**

11166 40122 36972 28052 03709

94311 18177 53790 96628 76285 35017 21583 97197 05417 03427  
33929 93132 69706 15824 90010 40778 28002 27061 42180 67390  
19092 18668 10962 14928 24431 31178 40397 85505 39141 37944  
60904 24448 31025 58906 51843 01871 92238 37731 20977 78740  
13336 30773 43020 68343 34357 81284 24448 29103 52666 77322  
86764 49678 92201 16778 85423 12291 63847 27979 06573 45207  
71607 19294 08818 00321 44260 56171 02198 16768 97194 89069  
81552 56521 54108 80692 56474 22884 83258 05986 45026 97842  
27943 23321 23416 59194 35922 40310 48820 63406 17436 22688  
97539 05132 86536 19691 85664 89317 65402 04392 64461 76856  
56325 52396 07643 89708 11074 07370 32726 86431 52286 06809  
23658 44055 26623 66509 46896 07254 94334 47164 78140 90723  
84939 51521 81887 45735 73710 25551 11013 26777 58646 62052  
18554 19232 42618 30143 98893 14033 50379 79055 00523 40221  
35129 89698 77567 91362 54309 72403 72283 06736 19331 34301  
45687 93252 48914 64761 98521 99037 80724 12348 49742 74602  
21003 51699 64706 82555 36870 63799 50264 41785 20990 78060  
58923 17056 83289 49663 69290 89947 49417 70580 34964 72080  
70616 37742 19074 46567 74728 26752 56658 48620 12986 44622  
12047 21258 82292 59941 23465 07048 27692 33921 52025 61821  
54678 00762 77301 01297 06082 70772 06677 16555 83173 54681  
90638 19292 15706 32573 61229 02805 10564 15897 35825 29627  
33714 75974 53430 81769 05152 37451 35684 34495 11507 60124  
89759 39559 66033 57593 95342 28870 70631 26158 42888 74493  
59620 82406 15321 65936 29931 32943 30392 90662 87413 24666  
85864 28763 63944 49067 74712 97727 85024 98959 62535 08243  
92552 01088 44364 16978 52454 73057 23044 87263 01878 78015  
76398 93633 15610 75523 05337 31141 96433 92060 80115 15402  
19084 59589 26930 84299 82519 95628 22023 37283 50172 23266

85500 73202 82875 54554 92046 12620 94153 85713 40715 15526  
82571 77601 50994 30408 20809 19859 77323 35597 06167 02201  
59263 58848 02194 41260 49487 86067 26099 36445 86803 95150  
61666 53228 06373 75844 02337 57326 04329 21591 54157 48188  
98978 04273 53278 65236 55774 67813 77693 65303 68232 01560  
57899 94697 12013 79386 16174 04335 14317 75460 89151 81368  
05811 92607 13390 95767 47259 64205 78610 85272 48043 15558  
78300 27168 18771 95676 12374 70301 25151 15407 52368 00000

**19268/17548/15779 kHz, 09-10/10-10, 0600/0610/0620 UTC. Two messages**

11166 40122 64075 05053 03029  
57269 12215 08901 40130 50332 71933 59499 53047 14062 83874  
73442 32928 59124 11588 94635 05041 15539 98611 82921 54404  
12486 86230 96661 07478 30473 93067 84410 59249 80549 29917  
52849 81679 90265 48275 03184 74425 01054 45997 53185 43793  
06721 78522 87057 20845 87746 49104 00335 54605 21066 76475  
31973 41304 70030 63400 00851 75590 84228 14540 88834 34657  
63862 77068 37634 31216 68357 02485 51594 96250 73900 53052  
23647 77500 09596 01303 26587 64600 26907 96048 36871 76816  
82106 93331 83119 74322 36388 75753 36520 78942 03346 08621  
85304 15311 98502 06348 60501 08373 70583 07547 05145 98172  
19204 82247 04124 57868 28680 19683 16872 25900 72637 70086  
80063 88262 69107 38915 72530 71805 90796 56968 59568 34515  
60224 74809 58817 63699 84410 54950 94925 18021 08799 60226  
35161 74319 95103 61792 23169 65156 52780 15195 53065 18014  
78785 77943 51041 32095 85327 67022 56687 53663 20302 79786  
21202 35851 10077 26667 64682 93870 79336 49133 59693 91591  
27667 21351 33282 20383 67555 58961 04647 56190 53516 83430  
00633 05772 57006 15407 16248 78028 66839 95511 12385 41369  
19767 56014 67942 53054 90927 91819 28524 71439 98845 04217  
18903 87082 04668 15811 11458 33615 10327 80087 67734 64354  
85316 34046 95355 05570 76771 67330 87438 22341 82526 06306  
36730 57957 91864 36516 41624 32792 23615 11953 46275 13581  
16313 24582 81967 89050 50091 32558 01952 12832 04997 70571  
26922 99599 85427 90760 43323 85363 65363 07625 21682 87869  
34086 45386 47142 28024 47079 11222 79392 98295 11788 42818  
84184 89032 62928 03676 03610 08617 07040 24609 57339 58413  
40957 14873 92010 48435 73904 91353 20940 64672 07877 99267  
21358 24019 56027 22801 81352 77729 03712 09124 13706 49356  
41909 54225 78812 18094 27693 24003 83866 83463 51429 09040  
50509 72298 15413 36514 68116 73935 53614 87668 74921 14578  
53300 00000

11166 40122 96341 05054 02899  
47221 94297 34158 06751 15672 12659 97406 34795 87870 98274  
72335 62330 83254 30050 37031 72628 57420 57135 68087 77837  
91987 66992 74661 57992 33381 98079 55665 15737 10241 45612  
22298 57723 84114 33815 53090 38594 13155 53130 73660 28507  
33481 85793 78364 90134 87910 68229 36025 76061 56738 63704  
46934 82546 70255 43667 43309 20559 07692 01220 50398 90037  
12276 45152 50409 68315 77090 47984 16470 48636 81421 46450  
08784 89712 82276 17857 50189 62248 90776 80761 23293 03381  
88084 93404 56380 14961 60585 48331 90279 66628 58986 86643  
43367 89600 11026 80318 16911 72123 42495 56031 07929 92530  
86231 58915 21760 50819 83808 79708 01518 84714 09566 93710  
16644 81136 71710 84994 77713 19014 70144 54311 69709 04392  
15720 34124 20936 83747 40611 59206 49767 46480 54484 66243  
56410 52491 26158 20883 51881 45801 95434 95651 41372 40139  
44803 47200 04201 87440 85680 66293 37531 65201 38909 98997  
56049 43601 14159 62497 64783 18365 17960 03969 47258 20278  
45029 75973 36168 37294 32584 26776 58755 10192 82331 29054

74084 87687 79825 95416 44398 51970 65872 54182 07746 50581  
39670 83843 44062 95572 98382 29660 51897 15903 42818 50827  
77974 73973 03914 71634 66771 82280 69706 35078 22302 81089  
17482 82343 99301 63091 80783 06611 65985 55962 05973 54608  
05583 98772 78031 74362 48825 73186 20285 32574 54581 75371  
97740 50059 80821 39586 78731 28702 13100 49350 34535 68334  
42753 97153 81685 97011 11982 78643 96638 63093 68020 32217  
57484 62577 93576 59961 92407 00134 05726 90880 39569 07261  
40450 72344 48097 66010 65013 00699 74890 11714 85346 26968  
56890 13155 40653 98604 63554 53614 02396 23198 59166 61239  
19877 65097 29721 62159 79577 10892 54027 54796 70464 64661  
23752 28807 72431 58959 42069 77085 10080 54287 00000

**19268/17548/15779 kHz, 16-10, 0600/0610/0620 UTC**

11166 40122 12368 16014 00049 00000 00000 00000 00000

**19268/17548/15779 kHz, 23-10/24-10, 0600/0610/0620 UTC**

11166 40122 34652 19055 04139

79063 12194 08500 10047 76477 20182 11942 39182 53950 27390  
51399 74552 26191 90443 00408 10860 76836 53176 81430 51895  
57243 09366 23297 16496 09998 89010 36322 32866 34315 54072  
34782 69732 35516 14634 61448 77739 25782 01401 93852 39541  
68361 55493 36982 52023 82422 21455 32087 89087 50736 54426  
36289 18448 97380 77412 52677 70853 27653 49589 15580 85207  
47374 31578 60700 77995 03776 58636 34804 10457 15159 57688  
24642 51971 81504 69149 09803 63047 93236 59465 69173 46401  
80309 35318 95705 39521 68819 95424 99168 47187 37319 80870  
01577 37357 90035 09925 54983 48881 89155 08251 36319 84458  
13395 70477 98976 87298 35018 14050 85816 24898 32500 11299  
33284 28391 81024 10684 21335 60905 88002 83115 48841 13357  
65792 54328 39173 51118 58819 09217 05656 60014 67275 79090  
31557 65063 34589 47764 44334 20415 90851 37447 88789 93909  
69388 60342 28852 94713 38659 46917 32650 17452 16686 86762  
20580 01283 60178 42995 81043 27356 45559 26123 83554 03082  
84071 38331 43894 06655 38153 24107 21004 90272 31270 88157  
50302 65482 68391 66543 43120 19089 09304 61973 06933 33073  
61936 79205 66081 06950 87896 21469 87671 06002 37401 33872  
42330 83833 55791 04709 54520 52675 28811 60625 22090 99885  
58846 16560 09746 74074 89312 66413 46144 89295 19364 25373  
79277 20746 76135 59845 69855 90404 36679 65910 27357 66046  
16805 82256 18445 22081 68995 48525 02436 35634 56599 45003  
73507 16333 96471 74595 14326 93209 87265 73026 90792 07177  
65554 58197 42592 82508 56975 54647 49224 75754 14571 54040  
76210 25544 61539 97631 31173 51699 80555 91643 84455 77101  
16867 91486 33985 70754 87344 15767 19058 35474 12678 76018  
12748 88640 14906 33090 47598 09462 47461 16138 54320 51172  
49928 65144 18155 41612 44689 82915 82603 20625 17657 07488  
55206 87707 50276 40882 95061 58352 94978 95140 86773 52514  
11290 41588 30502 63653 04758 74258 02828 81770 35912 23407  
68092 68891 91420 80069 44927 10428 34650 17588 57634 90857  
77797 21047 27125 67148 42800 60561 81092 38391 03201 69344  
88114 35042 24152 12498 45363 76246 42764 57470 74624 68659  
55956 82105 06298 45207 08031 81224 56074 67235 95131 57690  
23979 38459 28787 08871 70465 04182 25727 44458 49242 34200  
16147 96568 01534 12830 87631 08070 41448 84512 06892 10059  
87148 28417 86538 24448 17510 60480 89052 52583 58958 86337  
85153 35828 32162 53554 08748 99070 13290 76627 75653 13066  
89487 33168 58270 36569 13300 54712 33404 24191 85689 60608  
45420 10916 22369 08395 51914 09212 83112 59131 44093 79678  
68751 55411 00000

**19268/17548/15779 kHz, 30-10/31-10, 0600/0610/0620 UTC. Two messages**

11166 40122 13498 26056 02029  
74749 18012 31830 34254 67174 31396 53775 12765 71903 57238  
00503 66690 06565 73591 86855 68182 96543 05507 03699 74563  
18463 61165 92298 68991 47266 86067 09036 52787 61610 08730  
47647 25365 87245 76326 11161 12686 83061 03703 50738 30199  
99513 84212 13590 91176 64081 35804 67164 96414 73480 80798  
91793 66198 97291 82797 58983 00513 22707 89160 37533 78391  
95073 52481 94679 32380 33929 29505 84444 59025 29211 80931  
40377 51342 47331 20527 14878 64183 01796 86993 32297 48469  
68070 37032 47980 15189 47368 83026 30471 15132 09048 23804  
09034 45282 66320 41892 53702 17802 64935 65719 80037 52557  
89545 20198 95774 79112 17444 14117 31551 59136 74334 37792  
22914 65156 71854 69411 35772 76599 31520 13501 52502 79047  
24783 19966 60878 77667 83884 57126 13033 60721 63209 37204  
46610 74129 55801 17683 85326 92989 94751 26982 61107 01022  
94135 87893 24990 13846 09185 37200 38995 07059 20391 64931  
66128 35022 71216 21676 00723 51315 14111 67409 06302 66789  
44512 60255 53143 06150 27526 08627 72742 49016 46967 35185  
71355 66389 31451 26056 69812 88470 37228 63728 61787 64759  
92434 67090 07714 02378 32469 87028 06532 93557 81157 31031  
12452 68220 57415 15232 88931 32592 12081 67334 17043 79797  
56200 00000

11166 40122 69871 26057 02849  
24615 28851 00420 83354 14346 30099 33979 09527 45961 36384  
28599 09453 33919 88812 08937 77001 75470 88178 26584 83288  
66994 95341 55738 23791 83302 46555 63582 38991 24639 07172  
72561 94500 61031 12166 56733 31591 28695 66905 39402 24072  
58176 06621 84193 02456 38922 37998 96786 31341 49966 11346  
79471 50964 11404 96754 05729 18841 36370 62708 07015 12443  
88186 80569 88943 78855 72368 03380 19046 42336 18188 92419  
53306 05727 29475 89952 93647 06646 09338 61606 93565 14409  
88510 56809 54098 78604 11981 60746 77304 65271 63628 36239  
69461 41607 33522 79018 11148 95154 57587 34805 36416 98391  
84326 51649 88226 54674 48272 65959 42347 86465 54870 45659  
16889 51778 06472 38914 09680 99790 24134 01856 30658 01548  
44898 03756 21466 16707 99254 33072 79446 82253 98462 52814  
28217 34119 86424 78662 02015 97660 35798 78278 35995 07917  
93035 15243 79683 45585 02034 86063 75746 99665 61083 23683  
71294 92695 92814 65929 53885 29527 31810 12349 29421 55568  
59583 17847 84133 35444 41608 96594 97829 87993 46092 34615  
00604 38567 49165 34506 90188 74529 56187 40728 52137 14937  
93861 18892 50032 30306 52824 87494 77889 73413 85423 25526  
91969 07081 88347 04401 64162 39854 24817 17638 24147 05544  
66007 06733 82498 47543 56398 06659 51956 93870 32740 59437  
09008 33874 51313 69209 63000 32529 03187 97246 24959 43277  
22142 20347 93298 05333 14968 01039 98615 36400 68801 43051  
74752 56744 15209 30459 48318 05537 55692 73973 63852 35434  
78310 12786 86823 96307 20097 45423 51643 44080 54972 88045  
46891 35590 11828 83614 54931 95428 52470 10386 88114 65694  
64126 63153 88745 74590 46175 05686 85012 84801 95812 17786  
20054 07605 22329 85427 96363 93632 44682 07385 02716 36236  
52067 16812 57282 00000

Link 40133

**20875/17511/15747 kHz, 12-10, 1500/1510/1520 UTC**

11166 40133 79513 12012 00049 00000 00000 00000 00000

**20875/17511/15747 kHz, 19-10, 1500/1510/1520 UTC**

11166 40133 14279 19038 00049 00000 00000 00000 00000

**20875/17511/15747 kHz, 26-10, 1500/1510/1520 UTC**

11166 40133 97531 26038 00049 00000 00000 00000 00000

Link 60070

**9166/7310/5969 kHz, 15-10, 0030/0040/0050 UTC**

11166 60070 24680 15075 00049 00000 00000 00000 00000

**9166/7310/5969 kHz, 22-10, 0030/0040/0050 UTC**

11166 60070 56248 22001 00049 00000 00000 00000 00000

**9166/7310/5969 kHz, 29-10, 0030/0040/0050 UTC**

11166 60070 74123 29001 00049 00000 00000 00000 00000

Link 70202

**11173/9246 kHz, 23-10, 1210/1220 UTC**

11166 70202 75492 21024 02219

52285 64313 84565 44713 56496 78764 72544 06855 96711 18710  
23134 96842 45431 24053 97945 08158 72167 27989 66054 76671  
83805 77504 00255 30697 18557 21945 13656 42686 48232 43085  
03791 18534 68488 25149 96428 85411 81761 88194 06293 64075  
02554 33326 56851 36587 39779 73157 26381 45378 35844 45964  
12486 84601 67153 36967 32265 69705 35730 55184 00307 96169  
06637 39279 51707 23332 70881 90859 02292 44261 38509 58649  
63234 27593 91541 21978 52255 42282 51482 47028 68593 01198  
41050 14265 23933 84505 44844 40506 46471 28775 98618 44046  
00323 92746 61858 26298 87444 35687 53349 68365 24264 69297  
54413 65995 10202 69076 09515 51354 30280 56104 78918 75049  
58997 85173 23078 46847 57659 00199 23457 58518 82362 42854  
69464 37248 44794 25374 66180 03057 93069 03440 42587 28651  
04764 10118 64958 25163 09343 36754 85122 02203 82174 71791  
78275 75664 77314 33428 50029 21724 91240 57060 17385 00465  
74741 23454 93323 97571 35126 38570 29698 57531 95963 00992  
98105 06764 06524 17881 13444 90144 18114 55419 29827 69337  
69497 34644 63556 56382 48582 08643 22820 80973 22565 82031  
48830 14868 53723 58648 98066 01860 43034 28418 20319 66759  
68818 29306 12226 01811 12588 45310 50979 53992 89287 26427  
37903 61630 24123 41523 06573 13771 43150 00065 75177 30736  
69833 03615 47812 89314 44735 13074 94373 41018 12589 24219  
00000

**12169/10541 kHz, 24-10, 0700/0710 UTC. Two messages**  
**13521/11173/9246 kHz, 24-10, 1200/1210/1220 UTC. Two messages**

11166 70202 65203 23025 01779  
47760 59364 03491 59169 60374 43389 82979 26380 10015 83262  
72489 87659 62539 88830 88568 97738 66332 99680 26757 30920  
56228 33083 33198 59403 75627 93020 37748 57149 92748 87664  
91591 06713 28537 37621 52217 42882 68634 04582 70452 06585  
26640 76334 59229 07479 50811 69046 48780 18668 91418 32781  
57943 51997 70931 71163 36270 87333 24219 11154 56626 54306  
00963 83852 62959 89915 47463 02274 02936 20458 10023 47035  
00127 41209 27109 95892 45435 92297 02463 58058 12441 54205  
76361 99247 26372 11337 37207 68377 41360 57090 40636 61870  
05701 38870 28338 86485 19777 66480 63764 06635 16355 32336  
26928 87093 17921 16921 35460 67069 50770 77944 84133 26556  
20506 46624 20027 30905 78662 79534 95522 64557 35125 39462  
66321 89882 96042 03698 26666 92036 31905 23212 98961 95809  
05499 81141 19973 65368 14400 24041 90792 22861 27715 64309  
82772 46793 21741 77259 16591 36138 44244 41245 56655 51097  
62036 94300 88029 66468 71536 05713 68057 98539 77017 85974  
69889 91463 66205 83561 60092 74036 37939 41952 77518 22826  
01698 70952 24375 70519 37829 25175 00000

11166 70202 84251 23026 01899  
95369 36152 24337 88879 66039 30831 08570 85234 28750 73963  
96646 10243 89694 22177 74995 87519 99351 64855 50474 26037  
50992 85412 00486 89451 21076 32043 70460 02250 93733 08872  
73383 66150 36517 23459 71064 85195 19608 51594 41830 22969  
95671 05302 64334 40384 82536 15014 72161 87478 15902 61841  
58928 47640 64249 20879 38554 57721 23146 01477 90394 52465  
31131 95436 43929 06691 74377 69038 82686 73659 72299 59864  
72094 43084 61317 64342 40943 67188 18943 26945 71149 28288  
95394 66996 75508 46298 44909 04000 68127 49625 73958 67454  
57208 57881 48538 02068 14899 49842 27737 04322 03868 15101  
15751 51331 65316 12854 49551 07909 98092 86248 64381 22803  
83616 05737 04272 50033 36287 39869 69765 56250 84065 76969  
20034 00082 08927 46123 71577 94376 01857 10925 60696 87306  
12089 34408 61913 23249 95264 38613 79551 69387 90215 07220  
54629 18982 79035 04675 54289 07230 10147 10276 35926 00664  
89042 90619 03207 46024 66388 58878 96183 89538 78180 94321  
82665 02550 17637 20534 43051 74432 43517 65761 65807 58727  
54553 53820 95779 83437 84686 99016 02516 61425 98785 03501  
60809 61838 93543 80504 60622 28514 33242 26187 00000

**12169/10541 kHz, 25-10, 0700/0710 UTC.**

**I was unable to find the 3<sup>rd</sup> frequency**

11166 70202 74569 25035 00049 00000 00000 00000 00000

**12169/10541/8113 kHz, 28-10, 0700/0710/0720 UTC**

**13521/11173/9246 kHz, 28-10, 1200/1210/1220 UTC**

11166 70202 54682 25027 02539

77389 88686 73711 66950 25787 68560 77244 79165 28277 31344  
59155 10214 98709 98028 58061 96517 10867 70898 27256 88894  
15595 62945 00525 75382 23657 55896 01022 19388 65252 41536  
66658 80362 62125 26027 90425 09183 73216 01898 99103 35419  
99782 17398 18779 88699 60925 97903 00620 21329 75476 99058  
05345 24376 11152 96345 69818 54397 86948 40770 04209 13002  
39682 35338 93159 46421 90637 12032 99392 57305 73246 13959  
93195 45896 07737 12356 56224 22792 33698 13157 33058 60479  
36492 32787 28952 75824 28444 47893 77205 60701 70763 48677  
24615 02963 47122 50542 08412 64924 24828 43712 23159 11552  
64536 85542 01010 05555 64432 65180 53801 11552 49827 95289  
50384 76507 44097 10500 27654 78629 81911 77290 58710 61908  
50678 44987 26583 98489 71155 92556 76953 46063 53160 50889  
48332 92465 87307 05258 03102 04667 58723 07646 07887 24352  
93674 53616 36666 77260 75038 03424 95091 88490 87557 52055  
89418 20946 78826 77880 88518 79109 46925 24602 52385 45346  
90662 96196 25584 40904 83345 69530 19088 28815 56029 54340  
28915 00877 01168 55263 65037 15901 32623 15601 88967 81422  
62949 47518 83477 96053 83908 78351 02891 94663 61137 67710  
77370 63588 78922 75080 69649 18036 95997 82594 07647 58895  
98327 02664 41388 51124 59792 25169 97693 90902 46721 83882  
31046 53750 27215 46821 94096 40784 71185 60204 76229 65306  
52062 00727 83635 46921 86092 15802 59324 05344 70173 56499  
66520 71116 04163 32827 83866 55404 08600 46085 85890 46052  
73767 77936 07157 22112 01044 40917 13551 04001 22480 20060  
29129 27251 00000

**12169/10541/8113 kHz, 29-10, 0700/0710/0720 UTC. Two messages**

**13521/11173/9246 kHz, 29-10, 1200/1210/1220 UTC. Two messages**

11166 70202 25896 28028 01539

85390 56527 86207 91424 60782 44948 82794 32603 87104 24728  
52495 85027 18344 74068 02706 42587 83487 10636 60402 08392  
14277 49071 53454 70113 65635 21885 08841 59786 58465 12164  
09942 09033 99481 71535 80101 35626 57800 21820 84650 22342  
02941 63815 68567 74034 33948 41645 71978 63866 54311 36112  
90672 04644 72375 85495 73824 06183 31922 57218 76113 04651  
02622 18845 06424 74809 85030 81818 40312 61121 09825 16402  
88436 88626 35970 61236 38125 39548 77492 75976 10280 06560  
13554 10423 98801 58648 61524 88597 84717 80509 17716 31202  
42202 71424 95489 64881 78692 14534 15413 91759 76252 52469  
27148 17647 26416 30270 67774 62389 75656 91515 86220 00782  
23702 38624 88498 07481 41858 93244 83420 04364 03552 17691  
33502 33764 44253 83339 40718 06025 92993 96942 21818 94802  
42646 20791 52870 78569 51164 47653 87743 51734 90965 16450  
80190 53840 88647 79577 64240 90261 22223 57835 72573 42838  
68060 28151 00000

11166 70202 26987 28029 01639

72971 06059 85772 42651 78302 36295 67254 63575 60552 85974  
59276 99140 02269 47113 93285 38392 82732 61404 79183 13038  
46506 56708 56540 97278 21295 30128 78722 72174 58571 44856  
65861 34260 95381 32972 87614 53084 60785 21393 61643 07356  
75361 23148 78751 54402 17219 61177 90630 12604 52946 16836  
21124 61512 56942 20296 86979 89332 67560 25023 39003 42447  
53512 33532 59559 56689 88956 66588 77366 75034 60719 93069  
85503 81409 56083 62639 73584 05297 04574 08458 10023 76838  
72199 12094 35343 37100 31553 47823 52452 33211 56246 48523  
24829 53050 13090 60326 18560 79169 50462 78233 49155 66645



06317 79875 19099 74540 84248 99600 57043 05671 71061 10088  
94614 34355 94288 03661 41750 26847 43080 90499 46500 84125  
00915 55939 50253 61733 63559 44027 74296 46366 40725 59545  
98672 93870 64850 05677 19251 58369 55450 99500 93959 67180  
12468 32509 14121 21226 37072 68330 61816 25617 03328 94845  
39228 80100 29189 72893 80885 84062 20241 48732 84764 35757  
84635 29161 00000

**12169/10541/8113 kHz, 30-10, 0700/0710/0720 UTC**

**13521/11173/9246 kHz, 30-10, 1200/1210/1220 UTC**

11100 70202 86412 29030 02219  
15629 43191 72389 89216 21984 26256 61250 86649 02045 27278  
51096 65333 71522 99002 51633 78646 96599 43810 07056 84063  
22151 48545 38964 01479 82084 29994 42501 37632 40258 33197  
46646 31346 35391 49773 74613 99248 28423 48459 65276 86664  
75749 35041 41576 53384 76776 83860 36826 48967 69222 08104  
14879 57296 70622 61037 45068 15052 89447 85390 17875 33799  
54303 53074 12259 80378 34627 62412 50581 95286 51321 85087  
02067 53721 00776 79974 20737 99008 40698 16062 28754 03063  
11206 71637 81108 33595 89599 01937 72600 32745 02275 92428  
73038 36825 42196 39942 01593 91865 65374 28802 76257 44652  
64787 94182 99343 13931 45176 89848 64936 71481 47163 02479  
99279 87746 94117 79759 69989 21688 60222 64443 25067 59575  
83152 51535 47628 32391 69841 10829 37291 66528 68735 41947  
54170 47481 06993 54104 86390 01216 16068 87747 27091 22890  
94106 20296 71828 07646 78592 23133 72329 63115 27693 62071  
07532 08373 33729 58451 57842 88991 17209 53076 93562 62898  
74872 40166 13407 36720 80171 63520 94054 57311 59631 92067  
36681 88134 93529 17012 21389 25198 14324 37730 05501 32230  
01278 28646 26623 99779 94713 04228 96442 57932 78327 24338  
96174 97320 03012 07090 09621 78127 50619 41412 54747 31767  
61107 16517 99747 84926 71492 10436 74510 60655 40068 04840  
13436 36197 54304 18305 90533 62250 45881 75229 32752 30219  
00000

**12169/10541/8113 kHz, 31-10, 0700/0710/0720 UTC. Two messages**

**13521/11173/9246 kHz, 31-10, 1200/1210/1220 UTC. Two messages**

11166 70202 61890 30031 01939  
79072 47963 05234 79433 33445 62425 46302 07371 80133 01106  
16983 02537 41645 21346 02985 63480 35696 11605 20991 20559  
23813 03219 21211 67474 62766 96322 60741 46816 26024 35869  
27413 88042 87412 98686 18811 21341 84174 77500 06162 15807  
01604 72875 37768 15372 46451 28997 61685 70931 01293 74244  
72320 92095 77034 52480 10646 67001 05755 56007 72713 23642  
41065 96113 06160 31127 58174 72164 99381 64325 70853 25155  
93076 80322 07477 86682 68841 80134 13339 59263 94496 54114  
71418 88928 30846 34478 58801 16054 29547 03413 80919 15341  
76779 30173 50824 60900 62405 35629 05653 77367 79305 07691  
77502 62993 82572 16043 60877 95641 63267 99645 43907 57640  
16397 25416 95525 40410 07836 41542 25791 14824 69846 73863  
61539 78217 79908 38760 04555 14007 02534 70970 64454 24832  
98755 89802 83455 25183 32987 52155 95238 04426 31921 65787  
85067 96185 75177 61291 43376 15007 22369 46185 29994 46241  
06288 89573 91204 00095 46884 10817 96826 65771 65741 70633  
89498 26655 05719 88091 63359 22454 85468 31908 14309 69274  
43492 59503 29045 73520 51439 02255 05047 00595 01337 20368  
18712 84315 96426 75822 83819 87989 00302 96819 67518 53097  
24037 31191 00000

11166 70202 30917 30032 02399  
11376 23828 20966 63368 95684 67504 46387 07614 12273 75599  
54330 93159 11649 43115 07083 42854 40056 36294 86029 89464  
65608 92076 32680 99601 91643 53590 69881 98515 74465 27619  
32893 44210 87666 74975 65007 24314 00224 69721 57411 74141  
60552 88178 37978 39376 03697 13658 38667 31834 23864 67849  
96220 51718 79467 04809 65861 74821 22885 28485 52656 28105  
72102 19712 90240 02098 66451 83614 21606 73540 73608 53367  
61613 36735 40046 11226 45937 67009 02147 12795 96127 64753  
00127 25445 55462 53466 61994 16835 75296 30232 49713 54466  
56585 92084 84753 02208 76267 86682 95229 24734 53202 60743  
51810 35812 33346 04663 84580 51369 98849 16770 98050 33286  
30773 35644 26497 34850 80101 13936 96819 83806 26744 32132  
91112 63944 31218 75695 26127 81149 08686 24027 91809 24884  
80047 24678 16118 60989 79775 51249 48294 16799 25169 68431  
77774 44455 76720 52599 30942 73396 44294 41415 12885 87938  
18776 10878 86377 90889 33916 03242 05245 39143 88020 54256  
44313 62176 80205 93164 93129 99394 40881 13886 05636 17270  
61162 40829 22995 92189 50902 37773 11740 69979 80011 33256  
84445 38007 82776 60893 95112 70838 29851 38089 26440 35356  
97609 31556 11178 66287 89553 83086 54757 48086 89450 94025  
51370 64096 50911 91860 10702 98937 53061 27386 37482 05053  
77036 75870 31070 69351 82942 40661 97240 40888 92009 82669  
89358 05517 03603 24177 21149 18454 01779 00389 18224 30684  
31089 57182 00573 70157 46305 18486 13197 32237 00000

Link 70048

**10473/8123/6874 kHz, 03-10, 0800/0810/0820 UTC**

11166 70048 14279 03016 00049 00000 00000 00000 00000

**10473/8123/6874 kHz, 10-10, 0800/0810/0820 UTC**

11166 70048 78451 10001 00049 00000 00000 00000 00000

**10473/8123/6874 kHz, 17-10, 0800/0810/0820 UTC**

11166 70048 14279 17016 00049 00000 00000 00000 00000

**10473/8123/6874 kHz, 31-10, 0800/0810/0820 UTC**

11166 70048 17935 31001 00049 00000 00000 00000 00000

Link 70059

**6848/5433/4840 kHz, 21-10, 0400/0410/0420 UTC**

11166 70059 78965 21001 00049 00000 00000 00000 00000

Link 80214

**15607/13376/11108 kHz, 03-10, 1330/1340/1350 UTC**

11166 80214 15378 03001 00049 00000 00000 00000 00000

**15607/13376/11108 kHz, 10-10, 1330/1340/1350 UTC**

11166 80214 15648 10015 00049 00000 00000 00000 00000

**15607/13376/11108 kHz, 17-10, 1330/1340/1350 UTC**

11166 80214 23568 17034 00049 00000 00000 00000 00000

**15607/13376/11108 kHz, 24-10, 1330/1340/1350 UTC**

80214 23568 24056 00049 00000 00000 00000 00000

**15607/13376/11108 kHz, 31-10, 1330/1340/1350 UTC**

11166 80214 23568 31037 00049 00000 00000 00000 00000

## X06 - Mazielka

12150 kHz, 02-10, 0643 UTC	X06	MFA Moscow clg 256341: Russian embassy, Beirut
12138 kHz, 02-10, 0830 UTC	X06	MFA Moscow clg 362154: Russian embassy, Athens
11155 kHz, 09-10, 0755 UTC	X06	MFA Moscow clg 465132: Russian embassy Sofia
7988 kHz, 10-10, 0741 UTC	X06	MFA Moscow clg 561243: Russian embassy Helsinki
17475 kHz, 14-10, 0818 UTC	X06	MFA Moscow clg 156234: unid Russian embassy in Africa
12101 kHz, 14-10, 0838 UTC	X06	MFA Moscow clg 431625: Russian embassy Warsaw
12109 kHz, 14-10, 0848 UTC	X06	MFA Moscow clg 431625: Russian embassy Warsaw
10372 kHz, 14-10, 0858 UTC	X06	MFA Moscow clg 431625: Russian embassy Warsaw
13517 kHz, 14-10, 0932 UTC	X06	MFA Moscow clg 463125: Russian embassy Rabat
18245 kHz, 16-10, 1230 UTC	X06	MFA Moscow clg 231654: Russian embassy Abuja
8175 kHz, 17-10, 1858 UTC	X06	MFA Moscow clg 542136: Russian embassy Beijing
5826 kHz, 17-10, 1904 UTC	X06	MFA Moscow clg 542136: Russian embassy Beijing
16277 kHz, 19-10, 1446 UTC	X06	MFA Moscow clg 436512: Russian embassy Harare
15866 kHz, 19-10, 1500 UTC	X06	MFA Moscow clg 436512: Russian embassy Harare
17523 kHz, 22-10, 0809 UTC	X06	MFA Moscow clg 542136: Russian embassy Beijing
13510 kHz, 22-10, 1010 UTC	X06	MFA Moscow clg 612534: Russian embassy Ashgabat
17470 kHz, 22-10, 1013 UTC	X06	MFA Moscow clg 216354: Russian consulate general Chennai
11025 kHz, 22-10, 1029 UTC	X06	MFA Moscow clg 612534L Russian embassy Ashgabat
20950 kHz, 23-10, 0721 UTC	X06	MFA Moscow clg 435621: Unid Russian embassy in Africa
13506 kHz, 24-10, 0941 UTC	X06	MFA Moscow clg 164532: Russian embassy Dublin

11564 kHz, 01-10, 0618 UTC	X06b	Sequence 111666
13452 kHz, 04-10, 1133 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 06-10, 1117 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 06-10, 1122 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 06-10, 1127 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 06-10, 1132 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 13-10, 1048 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 13-10, 1052 UTC	X06b	Sequence 111666 before XPA2
16169 kHz, 13-10, 1046 UTC	X06b	Sequence 111666 before XPA2
16169 kHz, 13-10, 1052 UTC	X06b	Sequence 111666 before XPA2
17469 kHz, 15-10, 1058 UTC	X06b	Sequence 661111 before XPA2
17469 kHz, 15-10, 1102 UTC	X06b	Sequence 661111 before XPA2
16169 kHz, 15-10, 1101 UTC	X06b	Sequence 661111 before XPA2
14469 kHz, 15-10, 1102 UTC	X06b	Sequence 661111 before XPA2
12150 kHz, 17-10, 0756 UTC	X06b	i.p. Sequence: 111666
14469 kHz, 22-10, 1109 UTC	X06b	Sequence 611616 before XPA2
14469 kHz, 22-10, 1115 UTC	X06b	Sequence 111666 before XPA2
14469 kHz, 22-10, 1119 UTC	X06b	Sequence 111666 before XPA2
16169 kHz, 22-10, 1106 UTC	X06b	Sequence 611616 before XPA2
16169 kHz, 22-10, 1110 UTC	X06b	Sequence 111666 before XPA2
16169 kHz, 22-10, 1118 UTC	X06b	Sequence 111666 before XPA2
17469 kHz, 22-10, 1107 UTC	X06b	Sequence 111666 before XPA2
17469 kHz, 22-10, 1111 UTC	X06b	Sequence 611616 before XPA2
17469 kHz, 22-10, 1116 UTC	X06b	Sequence 111666 before XPA2
16159 kHz, 30-10, 0844 UTC	X06b	Sequence: 111666
12150 kHz, 31-10, 0741 UTC	X06b	Sequence: 111666
11250 kHz, 31-10, 0843 UTC	X06b	Sequence: 111666

## **XPA1**

### **12167/13437/14972 kHz, 01-10, 0710/0730/0750 UTC**

249 249 249 1 249 249 249 1 249 249 249 1  
08083 00090 67331 57823 36471 59849 10243 30147 08586 95690  
01390 31038 76996 50758 04744 76735 69954 82197 48689 90222  
10788 10198 13150 57943 68669 50609 42164 27448 35040 80123  
04677 13699 18897 51354 84558 99177 53032 19779 64495 41166  
16582 14745 05244 16202 55984 33768 68544 70352 02720 27748  
02931 87100 27515 79554 68978 96049 78326 87739 35480 08212  
85345 23193 79523 82523 20475 24550 05500 48160 65487 05522  
09729 05400 41528 25257 36493 92303 98353 42150 83039

### **12167/13437/14972 kHz, 08-10/10-10/15-10/17-10, 0710/0730/0750 UTC**

249 249 249 1 249 249 249 1 249 249 249 1  
00484 00090 51819 72437 69121 49594 86632 50748 90518 83481  
85515 65557 76975 81781 94580 32460 83771 38497 07790 67468  
68537 26692 16701 72445 25107 61552 29359 96795 32685 26338  
57631 60799 64012 21688 36564 10782 10721 96508 25352 56016  
96958 28826 18595 61474 58050 37221 95877 01251 27450 80299  
06138 71397 12782 28892 94054 46017 31032 56349 63929 69628  
78462 07716 26690 70662 03768 50894 14887 30229 64883 04246  
73573 51625 75119 77572 01641 27932 15182 62020 88790 74580  
96764 10751 91852 64121 43330 10191 63489 57786 82028 58270  
54336 96624 61162

### **12167/13437/14972 kHz, 22-10/24-10/29-10/31-10, 0710/0730/0750 UTC**

249 249 249 1 249 249 249 1 249 249 249 1  
05732 00065 30285 95234 67728 08350 62284 00444 56234 28371  
53548 60683 20929 47920 73750 86279 85540 30605 71338 51231  
05532 25396 21822 16450 58455 03387 04678 49360 99703 28840  
62711 92457 84579 57676 69890 73432 61657 53989 98960 53530  
29931 81545 03777 43650 81894 27918 52891 27379 94123 81695  
71302 93816 70658 74605 43458 42749 37377 67800 13742 67552  
34057 26225 09056 37879 03518 03622 06551 22515

## **XPA2**

### **13372/14672/15872 kHz, 02-10, 0700/0720/0740 UTC**

00643 00098 45387 33103 10339 73312 75677 28346 52387 16181  
21922 44539 25255 58446 64707 60172 93354 67865 32373 84360  
33011 12436 00360 00713 15466 95227 08474 56888 18333 20981  
56852 74428 13381 50187 71728 68707 63826 11866 00772 97088  
97711 72272 00688 71091 05668 37252 14151 66144 15686 73777  
54626 15040 73633 41788 25156 23884 06342 11336 87778 33165  
09720 07820 29417 98881 82584 16237 99237 15000 76630 61036  
13549 98483 77083 77703 16687 10222 84166 10008 76830 07761  
66268 04710 92435 95250 19041 60778 86567 44660 36809 93130  
96390 22000 86673 54473 03774 09550 54623 33162 01051 31018  
62111

### **17471/16149/14406 kHz, 02-10, 0910/0930/0950 UTC**

06796 00001 00000 37667

**13452/14452/15852 kHz, 02-10, 1200/1220/1240 UTC**

06723 00100 43677 82867 82998 10034 11608 34197 44453 67187  
10560 09773 20726 93184 78449 55118 59158 97749 70989 57549  
80607 09055 08815 31539 13533 37289 76008 58722 91283 86252  
79133 43313 87835 10220 43748 77953 63441 56770 05098 58448  
21880 66110 21971 44617 67812 07842 34248 58029 52457 11002  
41352 97279 04493 08357 19213 16827 98854 53992 99634 29140  
53245 29676 67036 00479 45887 06586 24682 14498 27404 85497  
38469 17173 46829 87762 42067 92812 42658 59989 34880 66996  
31178 82491 49250 17107 31052 34300 44421 49233 41092 91029  
29740 43225 51481 92402 44153 86875 65907 24838 20755 95067  
75196 31733 17565

**17438/16338/15938 kHz, 03-10/05-10, 0910/0930/0950 UTC**

08940 00194 42858 95624 59212 95587 06191 44660 98537 90905  
30814 43622 85249 47704 47944 61197 36882 37481 16807 06966  
39083 23939 95946 95130 37423 73556 20231 11150 30563 14113  
31841 06551 75940 03092 30391 22426 47837 16858 69643 27160  
05185 61178 28177 48669 48231 72676 61960 69013 07065 77287  
44558 91801 64481 00777 63056 69365 24907 22482 23577 54604  
25369 52760 39463 67832 46041 68467 48011 54042 04924 62989  
03351 50915 21397 49635 97717 37683 64736 87739 73540 48449  
20437 03827 18252 60518 31845 67571 04589 63178 40825 00941  
00079 77861 62334 57502 04056 08514 73932 80843 19230 52546  
66755 46512 40390 16587 09087 94056 73509 70215 96346 22671  
21093 77066 30405 67277 41624 79465 31876 67499 61079 00180  
13067 83769 29660 44295 84150 15793 11402 87136 69939 97560  
44982 42050 13117 71854 37512 71615 32721 96300 87727 57703  
57227 61335 04737 89896 78734 12476 93544 15101 22907 39933  
51102 76083 92642 77571 97187 01539 25532 71220 93902 76598  
96027 15640 58001 11816 19043 64594 55523 87503 51577 90380  
76238 63038 18402 05781 67100 50632 35345 80489 14917 22842  
87878 38877 95562 40728 87711 86949 38357 03845 70177 97425  
07721 26514 44480 42250 27156 83784 03740

**13542/12142/11442 kHz, 03-10, 1600/1620/1640 UTC**

00157 00103 98952 99525 37829 39134 55784 65718 73725 79706  
57215 70242 52615 51200 40162 10913 27395 02066 41152 28554  
39793 93889 63902 81936 12517 66891 19871 56983 67079 95470  
96757 99714 35138 61378 35892 12911 46149 78757 00209 14821  
05552 59524 11450 44043 82354 72294 43127 47402 33117 77554  
67812 13199 60479 94873 02671 22585 04324 40444 65898 79715  
72469 78461 31275 53258 53129 69359 39346 78126 83681 40486  
78339 70291 16461 94584 58065 49941 55976 74916 90856 89620  
96183 93290 15409 51141 81983 14397 78118 20973 44239 69609  
12154 61322 60488 60513 97533 81209 47223 74405 59694 03618  
54086 24064 40366 42338 40519 16024

**13452/14452/15852 kHz, 04-10, 1200/1220/1240 UTC**

06723 00100 43677 82867 82998 10034 11608 34197 44453 67187  
10560 09773 20726 93184 78449 55118 59158 97749 70989 57549  
80607 09055 08815 31539 13533 37289 76008 58722 91283 86252  
79133 43313 87835 10220 43748 77953 63441 56770 05098 58448  
21880 66110 21971 44617 67812 07842 34248 58029 52457 11002  
41352 97279 04493 08357 19213 16827 98854 53992 99634 29140  
53245 29676 67036 00479 45887 06586 24682 14498 27404 85497  
38469 17173 46829 87762 42067 92812 42658 59989 34880 66996  
31178 82491 49250 17107 31052 34300 44421 49233 41092 91029  
29740 43225 51481 92402 44153 86875 65907 24838 20755 95067  
75196 31733 17565

**14469/16169/17469 kHz, 06-10/08-10, 1200/1220/1240 UTC**

07257 00096 30169 81011 12088 35755 69998 52908 54983 33831  
67132 84015 47957 27342 81487 93017 22111 27521 09415 33575  
76884 17409 22530 98478 84194 81964 61402 38746 39862 25090  
02393 32248 17610 34524 79555 89519 61137 84376 24320 91977  
78587 26705 77997 50434 45015 37465 04216 32753 26215 96156  
79290 60163 76468 37157 44805 80650 69038 03987 16101 22554  
73735 01407 22646 56992 07699 32715 22169 47731 02725 95866  
57990 37479 87508 30863 38702 96382 72919 10495 48848 18145  
24594 48713 13049 83278 67685 28165 78292 63997 13801 23518  
57107 83249 34116 54499 09985 71133 51113 09064 47634

**13372/14672/15872 kHz, 07-10, 0700/0720/0740 UTC**

09706 00001 00000 37661

**17471/16149/14406 kHz, 07-10/09-10, 0910/0930/0950 UTC**

05510 00159 33583 32000 76733 88665 95697 76638 84933 88360  
83586 76234 53155 63564 98965 95308 64075 56194 00071 22056  
08716 92044 92792 35121 47063 50131 31412 20610 79268 15087  
90552 83658 67121 96430 28980 18749 50312 22022 28858 04203  
37278 83382 01570 93698 70180 98185 49752 88424 71476 95630  
15146 28235 51245 41381 34971 22714 77866 43124 68174 30281  
81086 10984 90130 92690 52479 15306 14704 25941 23050 43582  
20402 07550 10857 30737 92201 94428 90977 03575 45035 68667  
37130 35725 35918 31099 50899 90636 88353 88508 51696 39795  
98590 57125 54784 06167 53684 87609 10123 02471 29279 48714  
18795 94763 39410 05900 00203 93768 51375 07530 90146 52645  
29708 23642 96074 35590 20420 69058 55666 26252 45354 37494  
63523 14970 42306 14632 99992 05608 90688 81285 93298 32425  
23708 94384 57975 91485 15574 65099 66852 79424 34583 78221  
55327 62318 81527 15237 58629 84312 54255 54057 01844 45645  
26387 26806 09593 86638 79770 62807 05854 83952 19268 36211  
63213 51666

**13906/12106/10906 UTC, 07-10, 1500/1520/1540 UTC**

05853 00234 05662 30775 32034 65772 50250 40858 55062 33295  
84482 77246 28636 40966 84883 34286 44066 33308 04906 35539  
19208 86249 59877 14412 85089 19966 25534 93797 24265 00526  
18014 28045 74112 47503 14976 95093 26298 76813 45462 08069  
78887 30129 03751 14476 28412 80684 34691 16193 74941 67966  
74653 15389 63933 68285 90230 43305 66605 18886 55934 01665  
20885 34003 44590 38258 61035 96353 78450 57141 62769 98965  
23331 59006 36245 59625 23070 25635 52440 45676 54135 79215  
34275 93373 82815 32574 58051 47754 71495 61646 80032 17712  
82812 83681 95334 75269 74611 11247 00365 49696 89317 71986  
34321 34705 91426 00044 31317 31887 14531 42540 99023 38013  
07594 07738 91726 73865 59539 46398 18479 14992 54326 75109  
10259 13408 34656 03823 53900 48783 52659 91299 50462 71384  
95237 37092 66795 13267 63938 44918 98398 11566 69459 02582  
19963 77305 51181 07944 53677 02113 97499 28584 91845 20636  
18054 44295 37766 05755 77988 97034 79547 47798 32870 26029  
95365 38146 87488 03208 86626 57743 21738 91088 73453 36945  
39130 09818 17576 81811 82948 77062 27625 36836 53612 40169  
97767 08588 11823 81068 83425 40780 89399 27416 00983 99482  
17026 15534 87183 39076 13096 89592 41820 40474 27813 75096  
83697 08131 49112 21286 53114 41911 09385 62067 30235 23795  
18609 66787 29597 56252 24196 73893 29638 59953 82934 20645  
06588 69734 72878 04780 74481 33441 43813 25758 69189 66539  
38781 64828 24027 98516 46738 23548 54246

**13542/12142/11442 kHz, 08-10, 1600/1620/1640 UTC**

06076 00001 00000 34265

**13372/14672/15872 kHz, 09-10, 0700/0720/0740 UTC**

02367 00001 00000 36260

**13452/14452/15852 kHz, 09-10/11-10, 1200/1220/1240 UTC**

00444 00048 94642 16783 33038 62780 59877 52757 41555 54266  
43362 77563 37863 11417 86610 46973 88727 00578 95743 74962  
70122 72110 66042 73956 27255 09558 62015 03558 80318 53771  
26681 56171 77188 95075 15145 36452 17583 86278 69187 34130  
14870 60703 52537 26992 19029 28508 45151 29878 44803 26585  
35674

**17438/16338/15938 kHz, 10-10/12-10, 0910/0930/0950 UTC**

07552 00088 90602 59605 83787 50501 19508 14266 81643 85229  
64356 37415 64244 98392 74750 58769 07561 46327 15786 61107  
87055 74061 71961 48229 83565 20215 73976 02548 08660 80640  
38476 11719 61824 76612 05840 12077 33250 24149 36742 41217  
34208 44523 34485 14321 25741 99978 85551 24081 50118 84186  
13626 37244 56685 36668 99898 62212 85343 95682 84728 75834  
80627 33746 54586 827713 1281 44944 97725 93398 34160 61787  
74652 49920 01599 51299 74312 04834 05635 24148 79957 12987  
20208 77601 12823 85981 81404 18776 13654 57590 66871 30689  
54115

**13542/12142/11442 kHz, 10-10, 1600/1620/1640 UTC**

07217 00001 00000 35660

**13906/12106/10906 UTC, 12-10, 1500/1520/1540 UTC**

09881 00001 00000 35671

**14469/16169/17469 kHz, 13-10/15-10, 1200/1220/1240 UTC**

07453 00076 00993 42603 92522 12019 85677 95395 34594 82913  
08940 47348 30178 77655 68269 49068 52654 01806 45747 22705  
12489 06698 70408 72354 76974 88577 78025 46568 19842 74508  
24530 20865 57038 64918 74445 92316 71225 23007 78735 62651  
79060 70735 05615 83458 38660 59742 00144 96486 94144 72284  
32563 18239 43413 20460 05304 15367 19002 65311 55435 92738  
14373 54859 13365 80014 79479 88374 62239 23526 84952 70186  
33703 63577 28472 29658 22442 72915 01923 44277 54537

**13372/14672/15872 kHz, 14-10, 0700/0720/0740 UTC**

07367 00001 00000 36265

**17471/16149/14406 kHz, 14-10, 0910/0930/0950 UTC**

05245 00001 00000 34661

**13906/12106/10906 UTC, 14-10, 1500/1520/1540 UTC**

04553 00001 00000 35261

**13542/12142/11442 kHz, 15-10/17-10, 1600/1620/1640 UTC**

01863 00219 57168 36008 10069 65927 32779 67388 00266 06523  
87191 86440 86561 69617 79768 00718 81752 42065 55478 00896  
05164 57574 82865 87275 72221 75091 46250 70297 20048 23259  
28495 03875 84563 58980 45347 67845 34558 64505 46877 99847  
07634 03948 84810 00252 24900 09295 34940 53873 04202 17065  
74380 02132 21085 60271 76853 52568 16322 05293 60197 48787  
27362 04042 78619 97818 39813 45722 49479 37694 82850 28637  
23419 10430 07451 04913 85573 74432 02156 38164 95006 87571  
90685 49178 73347 55116 86916 40798 93812 83565 92098 75841  
29292 48557 46013 31055 52073 44046 92581 35647 87928 21373  
95057 66816 76806 85118 33696 93068 34538 58086 23232 64724  
17874 03732 59485 79336 71752 47963 00545 64304 75755 01154  
82492 98247 81971 02610 31634 67898 53773 69846 87296 13533  
13366 66955 92794 00360 12338 15201 11879 36402 92618 45548  
11495 67305 47165 20484 23594 24522 12489 00561 98193 35413  
64516 27103 61973 28824 02978 67974 12444 34266 41824 81225  
98906 60093 95960 14518 67873 00294 25548 04380 32822 83311  
89549 55758 73295 70117 25669 26920 51226 00211 08712 68026  
26521 49741 19770 29300 30353 72012 59705 44692 62287 55979  
79221 40810 21269 87674 15505 36360 01646 35914 42713 59723  
00361 85018 65927 57480 21577 06539 72686 28972 86325 66195  
99785 79537 59967 43934 63840 88399 06724 55364 76016 79521  
90719 30531

**13372/14672/15872 kHz, 16-10, 0700/0720/0740 UTC**

09658 00001 00000 40266

**17471/16149/14406 kHz, 16-10, 0910/0930/0950 UTC**

03134 00001 00000 33656

**13452/14452/15852 kHz, 16-10/18-10, 1200/1220/1240 UTC**

09752 00070 63088 68440 49223 46339 20556 81637 67992 18094  
20150 70865 22382 82004 89474 05956 25986 90233 28834 65037  
31217 29354 14062 30458 57151 54706 86068 70062 53278 74582  
96433 38760 08741 24320 93660 35976 44370 47922 08614 83660  
71410 60215 74955 86202 26972 14293 03474 89553 37688 31015  
59770 69266 56714 51299 69651 21955 00196 42726 80452 87608  
33355 52483 15436 42698 49751 69148 34616 35133 87489 49765  
11322 56961 52052

**17438/16338/15938 kHz, 17-10, 0910/0930/0950 UTC**

03262 00001 00000 32262

**17438/16338/15938 kHz, 19-10, 0910/0930/0950 UTC**

02872 00001 00000 36261

**14469/16169/17469 kHz, 20-10/22-10, 1200/1220/1240 UTC**

00448 00070 83715 91323 58353 97789 89533 27861 30646 19245  
42664 98262 31473 46750 91923 74273 24059 59050 75945 18057  
20545 68541 04648 45115 04439 83664 65219 80845 79224 64281  
61615 56523 66177 17722 94562 37058 30439 50144 93635 51958  
58991 01361 76134 45065 19936 96069 18760 96730 50078 09976  
70169 74999 85516 93900 35496 33170 22355 88096 44946 68552  
88119 75346 78848 42654 41580 67377 40911 79815 71288 78539  
94686 18055 73361

**13372/14672/15872 kHz, 21-10, 0700/0720/0740 UTC**

05437 00001 00000 36660



**17471/16149/14406 kHz, 21-10/23-10, 0910/0930/0950 UTC**

00195 00109 30691 80747 59984 12571 70578 89488 78756 04585  
05662 14458 07627 43216 08751 31072 57774 11979 19957 64832  
47535 08445 31961 46977 77571 22035 90813 50547 04076 35983  
23525 73202 82172 50476 84908 25827 86707 83035 88080 95154  
34006 69011 43647 01356 18110 00594 78901 35645 70912 19341  
81647 63759 02059 90595 12787 35094 04478 83544 14876 28007  
51094 15768 43868 36363 73062 44060 55165 39886 40647 20275  
95593 84248 31237 65197 93140 85173 60267 48824 11617 55728  
17963 39013 14214 47865 92164 38115 33913 51491 69516 40684  
77744 78962 51127 47136 44524 67048 95138 15573 02440 21638  
26798 62902 94662 77321 40078 67271 07738 97853 63860 60623  
51283 51330

**13906/12106/10906 UTC, 21-10, 1500/1520/1540 UTC**

00522 00240 41119 24491 92280 36309 60550 32722 57045 03882  
45796 02595 34440 99503 45871 50246 63217 74359 26019 85009  
26201 41931 33958 36694 57293 05540 62000 48842 88219 11364  
77213 69265 28099 62951 15824 58206 72689 64271 36923 76135  
60462 78517 31867 07253 45993 62086 52270 06788 29484 71947  
22398 02758 94490 08555 48278 82822 71705 06995 77045 19710  
63751 00179 85958 78317 24333 63895 30288 00993 77967 35614  
89289 22176 31090 95795 38152 33201 45641 20924 93547 24440  
05053 10755 12188 69484 79683 33768 59824 30604 22221 66021  
19618 17234 21745 92821 03381 15393 01892 54412 72007 10108  
82103 02099 99451 25114 28605 34319 32448 61449 49018 26933  
16888 39849 44075 19209 04260 95069 48226 13360 37450 99867  
87284 29645 57900 51973 03946 61906 95097 45964 03793 82197  
35323 36742 60295 22083 03341 09617 29706 73642 49824 01181  
97768 74816 72304 54101 31374 42227 00058 90701 71572 56213  
16444 46022 23250 79427 34801 93026 10518 67836 34467 01629  
64211 42957 30679 08390 17334 41359 70445 80290 80200 79462  
46946 40984 81504 58376 53070 55930 31279 75135 01862 87439  
47243 02081 24558 76176 88184 56367 91567 52025 50898 02593  
90033 45175 68607 30940 38973 63380 87976 19636 66038 97451  
00785 50127 15832 62922 25443 00052 17991 96854 38269 94064  
48386 89893 82977 84764 94582 98566 38730 54704 62581 27589  
49686 67979 34679 41469 17139 83433 62278 03013 38473 23228  
99306 23696 75041 03516 69935 17870 20714 52014 83718 20467  
60286 54649 31200

**13542/12142/11442 kHz, 22-10, 1600/1620/1640 UTC**

06238 00001 00000 36261

**13372/14672/15872 kHz, 23-10, 0700/0720/0740 UTC**

05013 00001 00000 32656

**13452/14452/15852 kHz, 23-10/25-10, 1200/1220/1240 UTC**

07031 00028 24931 28777 47470 71345 27343 67051 43494 64633  
17685 05304 12673 72671 20432 70518 65413 94618 77403 34487  
80663 16384 49172 12295 44327 40017 65781 20788 13979 56785  
46565

**17438/16338/15938 kHz, 24-10, 0910/0930/0950 UTC**

02231 00001 00000 32655

**13542/12142/11442 kHz, 24-10, 1600/1620/1640 UTC**

07303 00001 00000 34257

**17438/16338/15938 kHz, 26-10, 0910/0930/0950 UTC**

02723 00001 00000 36254

**13906/12106/10906 UTC, 26-10, 1500/1520/1540 UTC**

01128 00001 00000 35653

**14469/16169/17469 kHz, 27-10/29-10, 1200/1220/1240 UTC**

01213 00028 47149 74001 91506 60387 10506 40215 83937 27748  
08208 96601 73150 54793 64054 21126 59881 42610 35497 73994  
04290 99032 62156 02346 47813 69134 46742 83888 55901 70544  
50144

**13372/14672/15872 kHz, 28-10/30-10, 0700/0720/0740 UTC**

00421 00130 13420 65599 95851 39948 35901 42222 87524 10055  
55279 97952 77021 99873 58089 19659 54089 03214 63855 99036  
87366 36142 19967 88671 08288 69151 82245 77901 85081 36646  
46741 62140 57649 45569 00632 64587 09871 74674 90730 99061  
13403 90589 49310 35766 88708 66093 25778 71492 84579 54766  
05152 68413 70905 10840 42701 71693 96779 46890 71386 02073  
30806 46791 98533 80460 14327 20208 45207 83765 32386 15672  
82100 24428 37144 09746 23164 34019 92993 16584 55102 89488  
57227 78171 69712 79439 59194 89177 70076 44189 70273 87489  
79227 96209 85815 29533 06925 72415 00484 12844 59772 63989  
55632 06645 06233 51309 78058 98487 17113 30993 51269 46940  
35586 12285 33851 70812 61989 34786 12565 26950 15332 08568  
52584 21647 57157 75930 42842 35065 70635 71071 75086 96376  
52991 46937 33411

**17471/16149/14406 kHz, 28-10/30-10, 0910/0930/0950 UTC**

07880 00076 52550 96932 15447 77629 02996 40391 83995 40306  
93081 03607 58444 89621 61342 55967 84642 47309 77151 16821  
69486 22468 19737 19202 82952 91009 42198 27979 83216 62009  
84550 73308 91602 60023 31131 03826 37221 19883 15353 34271  
39602 27136 38021 90284 93211 55315 89202 74585 66446 17861  
49496 26000 55228 36401 37544 73962 83852 64572 02192 70138  
36336 68412 52858 97260 71693 24283 32718 62784 14199 67725  
12141 72719 81741 42852 80259 37570 85705 94222 65422

**13906/12106/10906 UTC, 28-10, 1500/1520/1540 UTC**

03015 00001 00000 33654

**13542/12142/11442 kHz, 29-10/31-10, 1600/1620/1640 UTC**

06334 00207 88152 99416 38928 82803 79989 28199 24306 35533  
83293 73107 35188 97830 41551 13676 85249 81370 55137 19836  
30392 32176 46437 00778 58005 13546 87091 54961 43531 49972  
06338 41237 52743 20850 25198 79718 00472 80895 81673 60767  
82455 67147 02099 41219 85008 00227 06431 45136 21022 29659  
77139 06031 36989 18414 39305 52657 37594 59072 40208 59481  
26485 43993 84561 26549 78466 59547 27759 83661 33164 24188  
92041 49598 11832 03163 56308 05636 88565 19138 18822 13175  
79738 52771 84044 25477 35774 13837 64978 41131 55135 05594  
08821 30935 88424 42450 96464 58217 00047 74697 63242 44306  
79663 93874 31862 77699 80738 77140 75200 99590 52229 20444  
72799 20716 83005 58528 32813 19743 13227 64035 32977 19443  
30748 71008 54221 26350 37066 04386 87335 50057 88052 77724  
73077 20316 52519 87133 77308 02227 15111 10818 48765 43965  
31091 95284 94970 83390 46805 41505 43392 70431 27772 43055  
65259 96861 45699 36527 15371 61172 96669 98663 15436 55319  
53774 41539 88046 85703 49600 86604 00469 77508 88115 98622  
46106 60998 87448 73817 64772 72375 53270 09652 63913 90330  
85974 96539 42217 01682 85494 80539 22520 29077 82521 73739  
41111 94440 39805 51511 16841 24433 19285 16830 49388 25415  
93081 83822 84004 81973 75823 77779 88662 81583 82063 01662

**13452/14452/15852 kHz, 30-10, 1200/1220/1240 UTC**

09081 00044 78871 56151 35108 25696 78651 53152 49022 99725  
 59406 17604 87732 70675 86536 45893 83820 95359 88072 13813  
 78068 70143 73893 50622 16197 21970 22456 56398 42269 61309  
 55937 68935 62197 86239 14304 74256 06157 37239 40328 58755  
 06483 16094 81536 06937 98607 14884 33303

**17438/16338/15938 kHz, 31-10, 0910/0930/0950 UTC**

00427 00042 61650 51727 19400 67706 58403 43585 25367 45030  
 77288 65112 32820 42138 47924 05101 67806 64159 90558 96249  
 09838 47980 74588 95145 74943 86281 17213 95448 83329 21790  
 03030 35262 53364 69752 63313 38896 20059 37887 93141 99120  
 96375 84638 75591 34772 30624

**XPB1**

14462, 13962, 13462, 12162, 11562, 10962 kHz, 05-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 07-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 12-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 14-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 19-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 21-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 26-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC  
 14462, 13962, 13462, 12162, 11562, 10962 kHz, 28-10, 1200, 1210, 1220, 1230, 1240, 1250 UTC

9323, 8123, 7723, 6923, 4823, 5123 kHz, 01-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 06-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 08-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 13-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 15-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 20-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 22-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 27-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC  
 9323, 8123, 7723, 6923, 4823, 5123 kHz, 29-10, 1900, 1910, 1920, 1930, 1940, 1950 UTC

**DIPLOMATIC STATIONS****North Korean diplomatic stations**

11164 kHz, 02-10, 1211 UTC, DPRK-ARQ 600 LSB  
 11175 kHz, 02-10, 1211 UTC, DPRK-ARQ 600 LSB  
 13415 kHz, 09-10, 1229 UTC, DPRK-ARQ 600 LSB  
 14419 kHz, 12-10, 1307 UTC, DPRK-ARQ 600 LSB  
 14416 kHz, 12-10, 1307 UTC, DPRK-ARQ 600 LSB  
 14444 kHz, 12-10, 1317 UTC, DPRK-ARQ 600 LSB  
 13444 kHz, 15-10, 0730 UTC, DPRK-ARQ 600 LSB  
 13415 kHz, 16-10, 1228 UTC, DPRK-ARQ 600 LSB  
 12222 kHz, 16-10, 1305 UTC, DPRK-ARQ 600 LSB  
 12203 kHz, 16-10, 1305 UTC, DPRK-ARQ 600 LSB  
 14119 kHz, 21-10, 0535 UTC, DPRK-ARQ 600 LSB  
 14999 kHz, 22-10, 1308 UTC, DPRK-ARQ 600 LSB

14418 kHz, 22-10, 1310 UTC, DPRK-ARQ 600 LSB  
 12203 kHz, 22-10, 1312 UTC, DPRK-ARQ 600 LSB  
 14416 kHz, 25-10, 1309 UTC, DPRK-ARQ 600 LSB  
 11165 kHz, 29-10, 0834 UTC, DPRK-ARQ 600 LSB  
 11135 kHz, 29-10, 0837 UTC, DPRK-ARQ 600 LSB  
 13415 kHz, 30-10, 1228 UTC, DPRK-ARQ 600 LSB  
 12222 kHz, 30-10, 1248 UTC, DPRK-ARQ 600 LSB  
 11175 kHz, 30-10, 1250 UTC, DPRK-ARQ 600 LSB  
 11164 kHz, 31-10, 1203 UTC, DPRK-ARQ 600 LSB  
 11175 kHz, 31-10, 1203 UTC, DPRK-ARQ 600 LSB  
 11008 kHz, 31-10, 1203 UTC, DPRK-ARQ 600 LSB  
 11135 kHz, 31-10, 1221 UTC, DPRK-ARQ 600 LSB

## Egyptian diplomatic stations

**11169.7 kHz, 02-10, 1209 UTC, SITOR-A 100/170**

Egyptian diplo i.p. followed by Codan traffic

**14444.7 kHz, 12-10, 1154 UTC, SITOR-A 100/170**

999901: MFA Cairo i.p.. SITOR traffic Codan traffic

KFFKDPDKJ ODSWJ KBS KDUKXD

KY DDRKS+?

, -TVQX TVQX TVQX TVKDYFASH KDKBSFH KDHS KFPDHRK PLU SHJ HVSFRK KDS HS3 LBDSW JOKGK THS SHJ OLMH KDYFASH JG

JTJLM WKJD LOFXRK ODS KDPSM FESP

KD MKFL TGK RGKMS ODSW JKJHUXD +?5,,HJKJ YKS JLAH

+?

**14444.7 kHz, 12-10, 1308 UTC, SITOR-A 100/170**

999901: MFA Cairo i.p. SITOR traffic ending with: OQ LIG CFUW 5555 YKDK AUKF followed by Codan traffic

**17427.7 kHz, 17-10, 0902 UTC, SITOR-A 100/170 + CODAN-16 tone**

71: Egyptian Military Intelligence, Cairo. Coded messages to KKVE: Egyptian embassy Bamako.

==FFFKOM

KY +?-78

KKVE KKVE KKVE KKVE

FROM: 71

TO: BAMAKO

TIME & DATE: 21:06, WEDNESDAY, OCTOBER 16, 2019

NUMBER GROUPS: 210

URGENT

=====

00256 0F80CTT TOCA8 E0A1F 61F4A D47BC FF473 6500P F7B33 0D770  
1F5B6 22B0E 9BF5E 402E4 A265F EB263 212D2 BBEF3F 21E00 E47EA  
13AA2 B107F 72C1F AB03F A5060 87EE8 1 53279 501C9 8956D E19A  
811CB F03AE E5F48 84D5F 41F9B LWTD8B CF802 7A96E 6F4D5 E44E5  
B90D3 04095 FDB5A D4DD7 50139 61C4C 4C9A6 34143 3925E 3A57D  
A113D BYPEB EBEZM ZIIIF7 DBD06 479C5 F3 266CE D5A8D B98A6 5822  
375-,,E97CF 93D1D 20FA9 AB4FE AA249 EAF9D 16478 7D62B B28E3  
ACEDB 15C295D9 4D1DZPFIE OF782 BB782 5732F F0420 5A2 EB250  
7C109 1DFE7 D581E 863DF ED37C 9508E 83D91 C61A5 A9A14 822DS  
XUTW ITW CA8AB 0EC80 E3033 21C67 3D154 7E148 E00A1 C0996 62ACC  
WA8 :944E1 BD8D13 E6BA0 C019B 8C7E9 98E 259BB 5C7BE 8B686  
67505 D2B20 8F907 EA629 E38B3 64B47 A2739 5A835 B2AAC 375A9  
03876 2C28E 19A1B D955C 2FB0D DFFFTI Q RRFDD CEDD5 7BQPF40  
42B77 F4509 1C013 BE83D F6A43 DF8D4 8FC63 8EFB5 E64F7B 3658B  
FAAA1 5FA83 ED8A4 BFQ ED6C2 1BB2C 40501 03F1B 51E65 5668B  
96942 815A6 75ED5 A4925 2MHCD9 4D0DD CBFFE 4A45B 70F10 3F189  
E3DAD 3E6A6 DAB6E 1BD16 C8097 97617 AEF42 1A944 BF446 CA63A  
E2E95 81CEF AABE5 DE85F 5ADD3 E8F5B 39D0C 5F0B6 82A78 5B454  
F27DD  
NNNNNN

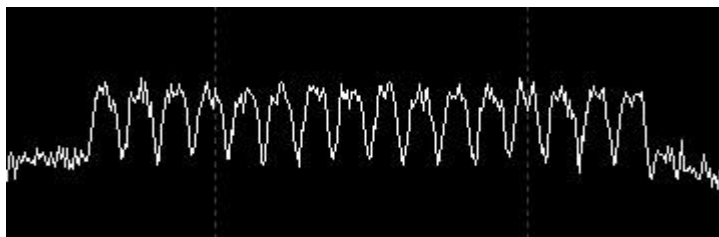
KPHDJH

NNM

VHJKJ YKS OZKG KTD

**12225 kHz, 24-10, 1703 UTC, CODAN 16-tone**

99901: MFA Cairo traffic to unid embassy



16 tones CODAN

**10167.7 kHz, 24-10, 1737 UTC, SITOR-A 100/170**

71: Egyptian Military Intelligence, Cairo. Coded messages to Egyptian embassy Kuwait

YKZK HUXD RGK YKDKAUKD

HKGS JG QMSM HUXD

FROM: 71

TO : KUWAIT

TIME & DATE: 18:42, THURSDAY, OCTOBER 24, 2019

NUMBER OF GROUPS: 324

URGENT

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00116 8FB17 00AB5 0453D 6E8BD E05BE AB03D 02959 EE328 C7338  
36010 1003B 4F3D9 A204F A2AA5 9FBCB 26527 CDAQA CD8CA D2132  
5D02E AEFBB D63A7 441D4 74192 9D031 C8BA3 750A1 27E2A EA27F  
ADB0C 30B23 830FD 5AF48 9F133 03954 D0448 A61DB F259D 2B11C  
DFBE7 12EB3 B0703 A70C2 EA307 E47BA B4924 29CA7 B9D3F C5140  
13BFB 2DB9E C4D8A E411F 9A8FA FF31A 1856E 6A76B B1BFC 87C33  
5BEB0 D12B6 26683 35511 616AB EEC75 42C49 EB769 E6D4E 280C7  
3CA1E 37D33 B5DAC DABDC CTQWI EUYPI U0TAD 941BD 34A96 9A605  
20149 19301 BB49D 58144 B5F98 52896 2FADB F3CB1 179B9 0A8AB  
C3E81 224CD 9546C 7F9F3 F544C FD69F 4464C 3CF07 41905 C361C  
5D430 1607D 229FB DB852 1B567 9920A AC602 06574 7C1D0 658D3  
4071C FC099 F355D 3D7D5 4E30B 29D35 7E0D6 66AC5 66ECD AF34D  
38E41 7EA79 0C4A2 EB424 D250B BF013 D5140 DF23B DAZGW 2CD2D  
57254 2D75B 39AD4 E6EC2 D35D1 EE4C7 86303 560FD 4B0BD 11E0D  
A54B3 22629 2F197 D62BE B2C6A 95841 48E24 7F392 A4AC3 3BA06  
71BFC 8C9EB B91F8 9EE62 523CA 0446E 80993 65788 08446 39005  
5CC7F AE96C 07877 B8594 E0106 CB31B 1E0DF 70AD8 4B3FA 914D9  
DDA07 5393B 04B2B 3845B 52FAB 81412 CC78A E5631 137C8 90563  
E9101 11DBC BA8F2 D0070 91739 0E55B 5D172 99193 DB22B E2A6A  
F1571 CPHDC 23C27 EB5D1 F6B9D A562B 96F08 BF976 FEE4B 0A5EE  
86717 CF898 AF9FC 3396C 544EA EAC35 59D8A 6F3F7 B2B0E D89D4  
6758E 70A4A EBCDF C9074 A016B E76F2 03F14 3CF5F 41302 8F45B  
5BEBE DB1BB B16AA 19184 4A583 3BFA6 1631A BE4C0 D4788 D1591  
66960 915E2 668D0 7ABD4 82C9B 95A5A B08D3 3C7B9 B419C 115CE  
47640 24E66 92809 4591E 28F89 51574 12EB2 DEA76 7914B D0BAE  
848E0 286EE FCC19 916AF C5938 80F15 64474 FC3B7 8A4B1 6BA22  
B8F94 A9B85 20EE5 31E51 62B34 A6A7C D74E7 24271 &))% 1FE2D  
ED14D CBFDB 99FA6 0A813 04D87 95766 BEF52 2C327 61A52 7142F  
9F7F9 C12AA DD5F9 9B2AC 35F63 6C76B 6984D E26CE C69A9 726B2  
D8B2A 68CF6 59B0F E459E D39F2 B02BB A9738 97F24 345FD EAABB  
B6331 D38EA 570DA 3327C EC3F2 33F8A DA18A 62ABF 0A6D7 24C58  
17C68 CB148 E9F05 6FB3C 03D9C ED01A 3D763 2E50D 4CD48 54C01  
C99 5FE42 0486E 1DB12 712F

NNNNNN

HUXD RGKDKAUKD UIICFF

## UTILITY ROUND-UP

### Jammers

Jammers logged by BW3-J

#### Unid jammers

6245 kHz, 26-10, 1711 UTC

6515 kHz, 26-10, 1714 UTC

#### North Korean jammers:

4450 kHz, 26-10, 1650 UTC. Two tone jammer

4557 kHz, 26-10, 1651 UTC

6003 kHz, 26-10, 1709 UTC

6135 kHz, 26-10, 1710 UTC

6350 kHz, 26-12, 1712 UTC

6600 kHz, 26-10, 1719 UTC

### US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages. Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-10	1812	Back Seed	41 chr EAM 77VNHA L2ZSWB66P6F5NSC6DSSR74MI2HLF3T7T5DL
01-10	2017	Back Seed	30 chr EAM 2X5VYR 7PI7K3YZGEAPC3BLBEXI4JLV
01-10	2020	Back Seed	30 chr EAM 2XFNXV DCH6PXZ7D7IO5UF22BL5OMBK
02-10	0211	Combattant	30 chr EAM 2XP2RK ZHTDSRDUTJQQ5DJJC7UTJRN
02-10	1444	Combattant	30 chr EAM for Considerate 77UAXS 7VJWGGKOYATJU2XN33J46USK
02-10	1546	Combattant	30 chr EAM 77ZAJD ZFEWXPWXW3FULIE5Q3DSZFO
02-10	1803	Combattant	30 chr EAM 2XDQP4 G3SDRU7DXTK7YIZYZ23EG2YK
02-10	2034	Combattant	30 chr EAM 2X7V6J WS4CWK2ERD6VOG472DYRG4N7
02-10	2142	Combattant	30 chr EAM 2XKZNV YCEBLTDTUFAV7Q5BVPR3U4C
02-10	2144	Combattant	30 chr EAM 2XNDD4 6XLNELRO7HA2KBIFZW56N6SV
02-10	2150	Combattant	30 chr EAM 77USKM PXTKUVLVUE7YYA2KFWWBZXCW
03-10	1450	Surf Stud	30 chr EAM for Temoa-13 777UT4 WASYGEFRPPX7UIEUGK5AJ7CU
03-10	1518	Surf Stud	30 chr EAM 2XYPPC OHIKC4LOZEPRJZENXYFTXMG
03-10	1739	Surf Stud	30 chr EAM for Tempa-13 77EZ63 NKG4UB26OTNO5BN4B3FZNPNR
03-10	1809	Surf Stud	30 chr EAM 2X4T7P L7AANBOK2UI6T4XNBSVRABDN
03-10	2036	Surf Stud	30 chr EAM 2X6UA4 JW5MY4GZYKGYT32DKVQWDCVF
03-10	2104	Surf Stud	30 chr EAM 2X6UA4 JW5MY4GZYKGYT32DKVQWDCVF
03-10	2130	Surf Stud	30 chr EAM 2X6UA4 JW5MY4GZYKGYT32DKVQWDCVF
04-10	1207	Mail Call	30 chr EAM LXIALS 37V2LXMCEISVE2RBI742WLUZ
04-10	1328	Mail Call	30 chr EAM LX4BFS 2WJ6FOLUFYOO2QH3DFH2DZTC
04-10	1333	Mail Call	30 chr EAM LXKQTP GQHANS67XKG2SFNQ22YDK7E
04-10	1830	Mail Call	47 chr EAM 77XCYP IKWKAARKQHUUZX4E4R76E5GN7AO6FZBEJ2WNTV6WX
04-10	2237	Mail Call	30 chr EAM LXDY6Z L6UWFAKJVG7M6NGUFHXREBV
04-10	2312	Mail Call	30 chr EAM LXUIBP CWNHQ3VCTE4JXQI2I2E3YVK5
04-10	2323	Mail Call	30 chr EAM LXNURO MAFSLASLXKIGSMUPBHND4FXB
05-10	0421	Quitclaim	30 chr EAM LXYTAK O4E2S2ZKTMJI5G45HW6VIEW4
05-10	1359	Quitclaim	30 chr EAM LX22LI BADBF547C4FK7CLLH5YQ47XS
05-10	1403	Quitclaim	30 chr EAM LX73DF 4TU36GX4PBG5EGLPU2ZD35JY
05-10	1409	Quitclaim	30 chr EAM LXV4KZ X3FZ6O7O7BZ4OD5Q2OL7FCZD
05-10	1418	Quitclaim	30 chr EAM LXSATG Q4S2KWW7UJ6IKB7YM5Y3WUH7
05-10	1422	Quitclaim	30 chr EAM LX2DB3 7RRC4CQA6MPU7F7FY43A2TCS
05-10	1633	Quitclaim	30 chr EAM for Plug 77LGET RAOGQZOVJG4CWZLDO6TJU7C2
05-10	1653	Quitclaim	30 chr EAM for Plug 77WAN3 NZ366ZSMJWMTKHLMOYEQSAEB
05-10	1933	Quitclaim	30 chr EAM for Plug 77QKKB H6UF3HA2T62HZCARTDJ3X2E
05-10	1943	Quitclaim	30 chr EAM for Plug 77BNL2 GJPAFGR6UVOHPHSLFRFQUJB
05-10	2208	Quitclaim	30 chr EAM LXA5LQ EKLJXRRXIWK03PEDEQJ3XGKR
05-10	2245	Quitclaim	30 chr EAM for Plug 77WSBW AGKILT3NJ5MIFXO2ZPFHFQAI
06-10	0233	Overrule	30 chr EAM LX5BJ7 ET3RUSQE6SW6MODAFU762QHA
06-10	1534	Overrule	30 chr EAM LXTG2 OVBBK6JVS5HB4VEECV4DLRY
06-10	1554	Overrule	30 chr EAM for Lynch 77ORPY 7NXWGN4YVFTU3XLZTBSZ6D3

06-10	1604	Override	30 chr EAM for Lynch 77NP2V NOLFOTW5N7OT3Q6S747CXFCZ
06-10	1626	Override	30 chr EAM for Lynch, for Flip 77P27H Q4OK524KORJV4MQ5UHKIU7OX
06-10	1732	Override	30 chr EAM for Flip 77OMQW KXWQA7WB5ESXCIZHR7SOWWXC
06-10	1804	Override	30 chr EAM for Flip 77B2R2 KF7ZAWXTBKFC6ITOWRCBGSY
06-10	1923	Override	30 chr EAM for Lynch 77SXJI D7MNORITBJLY2Y3YDTUUQWAX
07-10	0032	Outcrop	30 chr EAM LX25RR G7N42ENA3WB77YMGHJ4CRS2T
07-10	0131	Outcrop	30 chr EAM Selfish? time 31 auth IE
07-10	1531	Outcrop	30 chr EAM 77IWTY MIDC54HD3UQB6UPZ2MGS7MQ
07-10	1612	Outcrop	54 chr EAM 77CZOP YF6SHG6REPV25ESAQVW6OA5FLAQ6VJ2WR4AALAQ3VT7XCMJG
07-10	1705	Outcrop	54 chr EAM 77FWKC IECPDNS7LO7OFUOGDALLSZJKCL3QSVIZYFUKCLDQCWQSYW
07-10	1812	Outcrop	30 chr EAM 77FWKC IECPDNS7LO7OFUOGDALLSZJKCL3QSVIZYFUKCLDQCWQSYW
07-10	2051	Outcrop	76 chr EAM A5PPLT 4U5OOOJ4RNXNRSPHEPCL2DSJSACTPPGPCS377776KIAPSWFOVLSTQ W6QZ6G6JJYJKOZSYQ
07-10	2218	Outcrop	30 chr EAM LXH3VV AAXD76YYMJHE4XB64VDXSOMI
07-10	2226	Outcrop	30 chr EAM 77UGUE TRCKJVT7SM6TPIMMU7JE2HX
07-10	2312	Outcrop	30 chr EAM LX5UTU 4K74FPU25KS377M5SU76YIKL
07-10	2319	Outcrop	30 chr EAM LX32NF 6DDPGVJRUDANM3JJJJWOERA6
07-10	2331	Outcrop	30 chr EAM LX32NF 6DDPGVJRUDANM3JJJJWOERA6
07-10	2333	Outcrop	30 chr EAM LX5UTU 4K74FPU25KS377M5SU76YIKL
07-10	2336	Outcrop	30 chr EAM LXPIML H36CVPTJY3AKWM3RMIMQKALE
07-10	2345	Outcrop	30 chr EAM LX7PU3 OR22K4UXGV2ZJFZLOSM3LFOQ
07-10	2349	Outcrop	30 chr EAM LX4A5A Z3P52NETDRYWAH3NFAAOL52E
08-10	0000	Shadrack	30 chr EAM LX32NF 6DTPGVJRUDANM3JJJJWOERA6
08-10	0002	Shadrack	30 chr EAM LX5UTU 4K74FPU25KS377M5SU76YIKL
08-10	0017	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0030	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0033	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0100	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0130	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0200	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0230	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0300	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0330	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0400	Shadrack	30 chr EAM LXIEY7 A2BWP4FUKEX6IWOHFNLFIYZV
08-10	0554	Shadrack	30 chr EAM LXOSEF OXOY3OUHOQEEYXV6SQR3EIK2
08-10	0600	Shadrack	30 chr EAM LX7F6X CTIFTWW77OVNNG677QFNEV6S
08-10	0610	Shadrack	30 chr EAM LXFVOH PVEBXAR6PEKKXNJYEYEPGEVX4
08-10	0613	Shadrack	30 chr EAM LXXBGL WRHCZUEL3N7E4666CG5IWTVC
08-10	1445	Shadrack	41 chr EAM 77GX6V G2H2CRS26IUZ5ERYGLA2T7WT57KXQ6HXUDJ
08-10	1459	Shadrack	41 chr EAM 77GX6V G2H2CRS26IUZ5ERYGLA2T7WT57KXQ6HXUDJ
08-10	1510	Shadrack	30 chr EAM 7756IK NX2CWD3Z6AWQZJWSUW5W57QO
08-10	1529	Shadrack	30 chr EAM LX3P3P RAS7AROXBPJNAKW5PCUZ7HVQ
08-10	1532	Shadrack	41 chr EAM 77GX6V G2H2CRS26IUZ5ERYGLA2T7WT57KXQ6HXUDJ
08-10	1553	Shadrack	30 chr EAM LXMBRW F46SHIU4HPVHWIQLLRN5OZI
08-10	1603	Shadrack	30 chr EAM 77O2TY U33AHRGZL2IHHK4PMGFX6XXP
08-10	1606	Shadrack	30 chr EAM LXMBRW F46SHIU4HPVHWIQLLRN5OZI
08-10	1609	Shadrack	30 chr EAM LX3P3P RAS7AROXBPJNAKW5PCUZ7HVQ
08-10	1613	Shadrack	30 chr EAM LXQFTU 2KLLWL25KJF3YDWVBSXQO3KR
08-10	1931	Shadrack	30 chr EAM LX7XYZ RMKWKGX7ZCGOCWYKP5K36HBA
08-10	1947	Shadrack	30 chr EAM LXV3ER YIHQ2KS7OSY62JEXFDEFDHCG
08-10	1950	Shadrack	30 chr EAM LX35FC PJLMIATWUPVI3M56AD5FCTUV
08-10	2000	Shadrack	30 chr EAM LX35FC PJLMIATWUPVI3M56AD5FCTUV
08-10	2005	Shadrack	30 chr EAM LX35FC PJLMIATWUPVI3M56AD5FCTUV
08-10	2008	Shadrack	30 chr EAM LXV3ER YIHQ2KS7OSY62JEXFDEFDHCG
08-10	2011	Shadrack	30 chr EAM LX7XYZ RMKWKGX7ZCGOCWYKP5K36HBA
08-10	2018	Shadrack	30 chr EAM LXBQ5X AWYH43MHNGMNM6YWPMMZLAX3
08-10	2021	Shadrack	30 chr EAM LXACNK EDBBJ74FFINVR5V4S6UHNTPF
08-10	2233	Shadrack	30 chr EAM LXCXRK B32DNQIX63KLORKESYL4DNKS
09-10	0407	Resemble	30 chr EAM 77VBW3 2Q3QC3NY4NVXY2MQZ7SEBRD7



09-10	12..	Resemble	30 chr EAM LXJ6AF Q5RTUIRDV5E3SLZM25SAQFW
09-10	1533	Resemble	30 chr EAM for Nut 77KRLX GPD6KJO4NT4HFZGCMTNPRR42
09-10	1603	Resemble	30 chr EAM for Nut 77HIUF YH6VPQIBJCTQAUS6X5S2B370
09-10	1732	Resemble	30 chr EAM for Nut 77ZXDR XRB54KOZSIKSMEFMX45MG7Y
10-10	0539	Survival	30 chr EAM LXQUKR B4FZQFGSPJEBVOINYCFKJ2N7
10-10	0609	Survival	30 chr EAM LXDOUZ 2UDHWVW7LB2S32WABZBDKOGH
10-10	0632	Survival	30 chr EAM LXCTYH A4ZQUF65SZPWA54Y72TIXEU
10-10	0640	Survival	30 chr EAM LXC3AS ZLH3GL5EFZTXKEUGBAAAHCEK
10-10	0653	Survival	30 chr EAM LXDPJW IGI7WQJN4DPPVIRE2KDS5UIY
10-10	0657	Survival	30 chr EAM LXQDL2 OQ4G5WDYPTTUZ35OGKNWBQVH
10-10	1247	Survival	30 chr EAM for Domly? 77KTEW S3KT5TARTTNXP2A45UE6LQJG
10-10	1304	Survival	30 chr EAM for Domly? 774JZL 4QMGJEEBWKA6NYZDQQYJIH2J
10-10	1322	Survival	30 chr EAM for Domly? 77JVBS TFE55HKQ7URY5KTTDX6DBL32
10-10	1335	Survival	30 chr EAM for Domly? 77EPQY E2574RZN4FO2U5BHPDFEZWLD
10-10	2332	Survival	30 chr EAM LXG6HQ 4FODHGPLTSWJ5WDPNYP7K42
11-10	0216	Roman Lad	30 chr EAM LXRJJI KWAJTUOYXHIPE6XE5AHODABP
11-10	0514	Roman Lad	30 chr EAM LXAVNP BQN4RW3BXIXELWYCTHDHLAU6
11-10	0535	Roman Lad	30 chr EAM LXYHYV YL3KR4FEVYSC2P7UNAPFRIT3
11-10	0538	Roman Lad	30 chr EAM LXYHYV YL3KR4FEVYSC2P7UNAPFRIT3
11-10	0541	Roman Lad	30 chr EAM LXERGD R4ZHGSTCZVXPMYIPTNDSGV2N
11-10	0606	Roman Lad	Skyking message: Penguin time 06 auth PV
11-10	0639	Roman Lad	30 chr EAM LXFA2V XWZBBJTXS27SXF4NK56ZN4QL
11-10	0641	Roman Lad	30 chr EAM LXALO5 F4ZWPT7PKGBUFNZ7FNDSTXW5
11-10	0655	Roman Lad	30 chr EAM LXMZOS OMCKAKP37NOHP6RFBTDN4BVG
11-10	0855	Roman Lad	Skyking message: Penguin time 05 auth CM
11-10	1412	Roman Lad	94 chr EAM A5HCKI QTJPIZ2HBHFGYVW3EV5EQTTZRWI3Y7HB2IESWFSGLG52YS67 W6L6KOTZMOGTRDTEDFN6U6K2JCNNNNX2LOQ73DJ
11-10	1739	Roman Lad	30 chr EAM for Toots-61 77G54G ML4Q56W6PSEIOXBOY3TYFE5R
11-10	1808	Roman Lad	30 chr EAM LXS3BN 2DI7NOWAQ64HQWNMK2BLJNC4
11-10	1935	Roman Lad	30 chr EAM LXBJW4 PB3VEKDU6CZKEAGGJN3PSOQV
11-10	2008	Roman Lad	30 chr EAM LXGFH7 7PGXEGEFUV3JJEHUGOJN7X6
12-10	0333	Bean Soup	30 chr EAM LXQADS RKH6J2NYVBFWPGBIUEO5DRGC
12-10	1732	Bean Soup	30 chr EAM LXN64A U3L76VRNYY4P6MUZLH4JWFK7
12-10	2116	Bean Soup	30 chr EAM LXHYAU UKICLH4DD2QK4OZRF7YFKS3G
13-10	0139	Fast Ball	42 chr EAM 77NHT3 4N4JEAMGEFO6ITUYNR4UYNKL4HV453ZVB22D
13-10	0232	Fast Ball	30 chr EAM LXFDKV USZVWEXVBGIFK4HUK4LYTQIX
13-10	0402	Fast Ball	36 chr EAM 77PC64 RTTIUOXFRF3CZROLEF7IOEDWG7J5WXB
13-10	1721	Fast Ball	116 chr EAM A5KQFQ NBQUKM6GITPNKFZMSZUXIJEXRCNYLUW5PO73MN3PBPTVT3DDOG LKGHHHHW3NOLHIDHIEIITP26SKKKKPKYJUS4D2NOBSPFSD5U6RHQPTWRV3
13-10	2102	Fast Ball	36 chr EAM LXM4S3 UL2GVZJKKYRBHC24TOKE4Q6G
14-10	1932	Watch ...	30 chr EAM LXUTPI 6FOE5ILSFQNW4RHXNDWZGUPM
14-10	2217	Watch ...	30 chr EAM LXL7KO 76C6PL7I22J5KRUXGPDOLKN
15-10	0521	Inductor	30 chr EAM LXEXX4 LXJC4CWC2PZM67IHMVZXSQBH
15-10	0525	Inductor	30 chr EAM LXB6Y5 UJ23KGNFURJQYXNYGKA7YEGL
15-10	1358	Inductor	30 chr EAM 77KAXK FBCOUZYQNBIX4C52UHGEH5BX
15-10	2211	Inductor	30 chr EAM LX6DN3 VO3ORQ624HSRP4AYUV3ZCEV6
15-10	2229	Inductor	30 chr EAM LXI5RH LEBGITSUQ4FA7GGYGTHNLZ7
15-10	2231	Inductor	30 chr EAM LXVDGU DKT2GXLJGQUYNURGPR6RJUC3
15-10	2320	Inductor	30 chr EAM LXAKGD UO5K7OCLLKUKDOXH5BNSBGLQ
15-10	2323	Inductor	30 chr EAM LXZLAJ DSLZ7VNDLMTXTO7IV354XTU2W
15-10	2332	Inductor	30 chr EAM LXS6Y2 ZTXKFHBC3DJW5XZ5BAVZQCOA
15-10	2335	Inductor	30 chr EAM LXAHJX AY7B33ENY6WPL04UED7QGPFH
16-10	1358	Important	30 chr EAM 26QDNU WLQGCNDWW6QIYBL6QR6YOASH
16-10	1402	Important	30 chr EAM 26QDNU WLQGCNDWW6QIYBL6QR6YOASH
16-10	1421	Important	30 chr EAM 264AJT UCPSEBNFUJITFK5GOH4ITSDK
16-10	1432	Important	30 chr EAM 26U3XT CZHEX4FQ5R4XHAET3HN2ETQ7
16-10	1435	Important	30 chr EAM 26J735 K2HLCU2BYGVTZLSXYNUI4XMQ
16-10	1449	Important	30 chr EAM 26I6ZI UBKWOSGQZGD2GNKGO2ZQSLK
16-10	1452	Important	30 chr EAM 26UWHJ ZL62VXG6HORKQ7ARKQ2BAVJP



16-10	1831	Important	30 chr EAM 26U43J L5HXUUFXHRCLUILVXNIRVWG3
16-10	2014	Important	30 chr EAM 266FTM U3ZY6SOAYSAYLCWVYXYCH7VZ
16-10	2017	Important	30 chr EAM 26GH6Z W7LUDDZ74EDH4WQJ3USLTAWH
16-10	2236	Important	30 chr EAM 26VZBO QXQNFJJ77YEXYV3U5ZL3VFT2
17-10	0034	Pologame	30 chr EAM 26UXOU W26DYETWQIXZ7LNULDS5GY23
17-10	0042	Pologame	30 chr EAM 26HASA 7MRASKSEBHLHDHAH5HEKXVA4
17-10	0709	Pologame	Skyking message: Superior time 09 auth GJ
17-10	0721	Pologame	Skyking message: Superior time 21 auth FF
17-10	0726	Pologame	Skyking message: Superior time 26 auth KM
17-10	1455	Pologame	30 chr EAM 77AKEX CYOTOETOZTMRHR2QUEJPCFWW
17-10	1500	Pologame	30 chr EAM 77WQ4O DZJBK2ET27K33KAGVR6N5QZD
17-10	1517	Pologame	30 chr EAM 26QFRN BDOVBPMGOUXYW3D5NUR4Y5WY
17-10	1522	Pologame	30 chr EAM 26QEAD 2QFAWB3TNMNDPRGVBMPPG2TNF
17-10	1904	Pologame	30 chr EAM 26DFRL KV3GGHIOHNQ4R2NOS4EKMLGA
17-10	1908	Pologame	30 chr EAM 26DFRL KV3GGHIOHNQ4R2NOS4EKMLGA
17-10	2020	Pologame	30 chr EAM 26LAR4 JBN4TFYBVXNBQDCGGNQZILR4
17-10	2316	Pologame	30 chr EAM 77C5XV WQF2XER77YSSOVNTIHCDZO6H
17-10	2343	Pologame	30 chr EAM 26PXQV H4FQKS3RG2RBI6SOULEAOXVH
17-10	2348	Pologame	30 chr EAM 26AGIE Z55YSXZTUTSG5XXKOUKL5VBE
17-10	0003	Fruitbowl	30 chr EAM 26SLDQ HHGKN6N36VS2XOSNLXFKBS6A
17-10	0008	Fruitbowl	30 chr EAM 77WH5W HYXHN57R4OH2AUYS4H4H6M
17-10	0018	Fruitbowl	30 chr EAM 26VJMO PG5AGGIOHYFUTIPESVXXPFW2
17-10	1734	Fruitbowl	30 chr EAM 26ALUT Q6DQQW3IDSCZWDVJKSNPKOTX
17-10	2217	Fruitbowl	30 chr EAM 26A3Q6 ORIN67RHHS7QNLEJIO6ZRGVD
18-10	0011	Fortunate	30 chr EAM 775LY3 unreadable
18-10	0041	Fortunate	30 chr EAM 26FHEA unreadable
18-10	0106	Fortunate	30 chr EAM 26402H unreadable
18-10	0419	Fortunate	30 chr EAM 26H4NC WCWFSFVXNFAGSDOGS3WPSO23
20-10	0433	Accurate	30 chr EAM 26WL3J N4S4HKSMGK5LHMEJMWQB6PTL
20-10	1817	Accurate	30 chr EAM 26Q733 EEVFRITYTNZQ2MO5YGTQRQ3F
20-10	2016	Accurate	30 chr EAM 26P252 O2544GRCUAYUA7IEEJ4ZLODV
20-10	2120	Accurate	30 chr EAM 26T7BN 3GZDGKI2OUKCDAQE3V62KUVB
21-10	0446	Accurate	Skyking message: Colt time 46 auth HQ (repeats: Colt time 47 auth HQ)
20-10	1817	Barn House	Skyking message: disregard my Colt transmitted at 46 time 48 auth DU
20-10	1818	Barn House	Skyking message: Colt time 48 auth DU
20-10	1817	Barn Roof	Skyking message: Colt time 51 auth BB
22-10	1532	Adjutant	30 chr EAM for Tango Force 77B5TQ QEU7DMQDATRAA3XPAT7WSQDQ
22-10	1757	Adjutant	30 chr EAM for Blabber 77ZUNQ 3RKEAEZF5OEB77LPIDBUX2R
22-10	1910	Adjutant	30 chr EAM for Blabber 776WJC N2KHULQM6ATRRSAUOWXXNTP2
23-10	1033	Paddy Tree	30 chr EAM for Tango Force 77ZJEG F7EGDDFSKNI2U3M3GXKT4ZOU
23-10	1052	Paddy Tree	30 chr EAM for Tango Force 77QZYR B62I7XK4QM6LD2AVKAKLBQI6
23-10	1513	Paddy Tree	30 chr EAM for Tango Force 77NUHU AZRRRU2UDZM52G2QOWUUCW7Z
23-10	1533	Paddy Tree	30 chr EAM for Tango Force 77XS4K 2I5226TE2RDBVYQOCYVM7JXO
23-10	1553	Paddy Tree	30 chr EAM for Bravo Force 77PBQQ 3WKXV763WS4SWHLBCYUNQCWZ
23-10	1632	Paddy Tree	30 chr EAM for Bravo Force 77IKQN AGSNOZK2HV7DSWWGZLYTXW6Z
24-10	1024	Fishnet	30 chr EAM 775JC6 FK32RMYGJ3U7DHX4OGCPT64
24-10	1204	Fishnet	47 chr EAM 77OQIK 3N7X3CP7LB3DS42U5YYRT64H2IJAXGK4HAXG5LGRM
24-10	1300	Fishnet	47 chr EAM 77OQIK 3N7X3CP7LB3DS42U5YYRT64H2IJAXGK4HAXG5LGRM
24-10	1330	Fishnet	47 chr EAM 77OQIK 3N7X3CP7LB3DS42U5YYRT64H2IJAXGK4HAXG5LGRM
24-10	1350	Fishnet	30 chr EAM for Rotula 77LW6T OHMTHQJHSSJTS3YOLSNEHD5K
24-10	1400	Fishnet	47 chr EAM 77OQIK 3N7X3CP7LB3DS42U5YYRT64H2IJAXGK4HAXG5LGRM
24-10	1430	Fishnet	47 chr EAM 77OQIK 3N7X3CP7LB3DS42U5YYRT64H2IJAXGK4HAXG5LGRM
24-10	1602	Fishnet	30 chr EAM for Rotula 77WDK2 CLIZWE2EI6AJFSHPPBSJIPB4
24-10	1730	Fishnet	30 chr EAM 7745UL M2C26IA54UXSGSFXRUIJCH2
24-10	1743	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	1751	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	1818	Fishnet	101 chr EAM 77CMBV IA2K7N2B4HYHCD4I4IS3N4XBS6ZYJXJY4H6TPEQIX3NKMCGJKY3X2L4 HBS6ZYJL4I4YSY64H6TPEQIL4I5RSYY4ICGJKY3C
24-10	1900	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO

24-10	1904	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	1930	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	1934	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2000	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2004	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2031	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2035	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2100	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2106	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2110	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2131	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2135	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2159	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2203	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2230	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2233	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2240	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2243	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2300	Fishnet	54 chr EAM 77WGFP GEYMVO6ZWYQBL5O4WWNIGYJMJF4DOGHFDT32JFYFOVVZNAMO
24-10	2303	Fishnet	59 chr EAM 77THAR S7R5ORIP3VM4BFV6PISV6PUSV6P7JUVH5ALO3IQR3UVHKAT652ZYF
24-10	2356	Fishnet	30 chr EAM 77RU5J GJ63UV3Z2JUMCLM4OCZT6WLW
25-10	0002	Paid Off	30 chr EAM NFER4N PJTUS5VHJDHF4JASEYOWFVTS
25-10	0052	Paid Off	30 chr EAM NFKW25 6BACO2TK44EEBG4R6YJRBGJD
25-10	0058	Paid Off	30 chr EAM NFGUKV MDEPYLPBLRUH4GNYPJTDCUO6
25-10	0134	Paid Off	30 chr EAM NFJRCR TQEXPY2PNZVMKECJ34WHVY6
25-10	0153	Paid Off	30 chr EAM NFHZPA KQVYF2YLZ3Z3X4G6SV22QD66
25-10	0205	Paid Off	30 chr EAM NF2IG7 GCBWFM2YLZTQNNAHZ7SYOPRU
25-10	1838	Paid Off	30 chr EAM NFBVCF TAIWC4VZRCIFUGHVGVWOPWLEW
25-10	2136	Paid Off	30 chr EAM for Tango Force NF6N26 OC72YVAL6J2SHKYOV DIX2RJS
25-10	2156	Paid Off	30 chr EAM for Tango Force NFI2DV DIM7BDNWFXQG2HX2TFQSNTNP
26-10	1110	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1206	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1233	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1201	Associate	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1206	Associate	30 chr EAM for Romeo Force NFIVKL G73MUIT5FQ7GSXRTPLPHGDI6
26-10	1322	Dead Ball	30 chr EAM for Romeo Force NFD2YA RDIADVXCDWWSNNYSKQGJUAJ
26-10	1359	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1439	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1459	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1529	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1622	Dead Ball	30 chr EAM for Tango Force NFLFFG KQ7Q4BQXHEMK66YW2ELVECM
26-10	1629	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1643	Dead Ball	30 chr EAM for Tango Force NFMW5Y ZCGMCA7XPXVGBMXYAFDQYJ3T
26-10	1659	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1730	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1800	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1828	Dead Ball	30 chr EAM for Tango Force NF6TM4 NCMBFWFEXC27Z4QRBQQ3YL3T
26-10	1830	Dead Ball	49 chr EAM NF73XR PTJEFMBIWG5NMIWP EEQIWM53YIW34MHFZNKKVIWSUA2
26-10	1848	Dead Ball	30 chr EAM for Tango Force NFLGUD JO7QBF3E3UKAQRZZPU4XEBTYZ
26-10	2018	Dead Ball	30 chr EAM for Tango Force NFIEER S7ZIJXF2BPWF3TIEIQSJLVAR
26-10	2039	Dead Ball	30 chr EAM for Tango Force NFS2HZ EKPIOR5GTMBSV7YI57JA4GTV
26-10	2203	Dead Ball	30 chr EAM for Sierra Force NFZSVD PRBLTJALGJNRD77PPFAH6G74
26-10	2223	Dead Ball	30 chr EAM for Sierra Force NFOMXQ 6MYDDPVMWVJFOORQJPWNFNQ3
27-10	1244	Associate	30 chr EAM for Romeo Force NFEENG 52VLP5MOMBKZMVD AQLQ2LWV
27-10	1302	Associate	30 chr EAM for Romeo Force NFLZOE XAFRZNPP5U7T5ZTRPLHCRUYR
27-10	1536	Associate	30 chr EAM for Tango Force NFIADP CG6HUWQLWUCIAO66IB5NEMRR
27-10	1556	Associate	30 chr EAM for Tango Force NF5VHP PQSEECWTS6R6S32JMNKSJPG
27-10	1726	Associate	30 chr EAM for Sierra Force NF6JEU YJKZGCR2OVXUSZ57SMTZKYSR
27-10	1749	Associate	30 chr EAM for Sierra Force NFLDVG 6R74FUIJCS3MN2WRZEIXCM3C

28-10	1524	???	30 chr EAM 265FIT HOOYR7EBXZFU4KD6RJG5QT62
29-10	1401	Outspoken	30 chr EAM 266C7X Y6EKLSPHSDWYEIYVQSORE7
29-10	1415	Outspoken	30 chr EAM 26BHTL WDAZSERI6HE46Z2CLYRH2MUZ
29-10	1432	Outspoken	30 chr EAM 266C7X Y6EKLSPHSDWYEIYVQSORE7
29-10	1434	Outspoken	30 chr EAM 26BHTL WDAZSERI6HE46Z2CLYRH2MUZ
29-10	1436	Outspoken	30 chr EAM 26PKFP 5TBCDKSHJBCVFIGTFVTM7OF
29-10	1438	Outspoken	30 chr EAM 2625ST O2XKOFMPOOMHCIN7CELC6GWO
29-10	1454	Outspoken	30 chr EAM 26MH2A 3GUQRVTPDEEK52KWL34AP3V2
29-10	1457	Outspoken	30 chr EAM 26PSN7 NNWX6QHPL6ZFFDI5ZMLAZYE7
29-10	2336	Outspoken	30 chr EAM 265AWD 4VLK7OEVV4EQVB2TCSKHBR64
30-10	0628	Splendid	54 chr EAM NFEYHT GKTVEJHUHNGT4EANPHION5WRJIVY5O7WSAVXK74MD7T3OCW
30-10	0642	Splendid	30 chr EAM NFOJ37 NZCHRYV6OLFLL2OVCT2TBC35
30-10	0654	Splendid	30 chr EAM 267FM7 SEJTSLAGMDZ3SE3JPFN7AUEF
30-10	0714	Splendid	30 chr EAM 26MKCB UAZLGV7KIF4HCXHZFEFG23Z7
30-10	1456	Splendid	41 chr EAM NF6BIT XB7TF3BSF62KXTS132LSHY2AZEVRJVPUZO2
30-10	1524	Splendid	30 chr EAM for Fever Blister NFG2Z2 R2C7X5EYDAVQ3JEAH4JI6XRD
30-10	1527	Splendid	30 chr EAM 26GEVF Z3LDJRLOFG2EADFL7FYR6FVB
30-10	1529	Splendid	30 chr EAM NFCDTF YPKYPDQINNA3ZELTEVULM6P
30-10	1526	Splendid	30 chr EAM 26TZ4Z TAFQPLNIVY7263KJ2KXFJVO
30-10	1541	Splendid	30 chr EAM 26RD5C HQPZPWKO33WV3MOFJNCA7HY6
30-10	1556	Splendid	30 chr EAM NFQVJV 5UHU3RRJHILANAV7X5BTMVLK
30-10	1600	Splendid	30 chr EAM 26P7QD S3A6HCZSP4CDK5ZWMPX3LF6K
30-10	1614	Splendid	30 chr EAM 26EHQB B2EF63TWAEWZ7B6RCMZCDBET
30-10	1754	Splendid	94 chr EAM JEKYH3 H2CR7KUOV6WT3IT2KTMLWXQCKRWRA73ARXOOTH76F67N7BIBIQ TF7777DVOAPLPBCNQBXBFERXIIIL5KRY7EO
30-10	2035	Splendid	30 chr EAM NFBDS6 2E44E25XE7OQFIYU6EB73XCZ
30-10	2038	Splendid	30 chr EAM 267H24 IACXZVYVBPV6CYQ4NZQHWD3I
30-10	2047	Splendid	30 chr EAM NF3GHL LXB3P2K6UIGAFFXOMNYE2GLM
31-10	0646	Conquest	36 chr EAM NFGM2M Z7K7OBQ2QX6MH4QPNWYQVRZAAAGQVQ
31-10	0803	Conquest	30 chr EAM 26BO4P K4PLQBZE456VRUUBMUHAYVQJ
31-10	1008	Conquest	30 chr EAM for Excise Tax NFQOCI 6PGTLMJ7N6DZHUCINMU4USD7
31-10	1021	Conquest	30 chr EAM for Excise Tax NF5RLY 6VTVV32WTSJPSWZUQGXSZWDB
31-10	1034	Conquest	30 chr EAM for Excise Tax NFXFN7 EXQWDKHXVXKABH2DVNNCOTNR
31-10	1146	Conquest	30 chr EAM for Excise Tax NFFWYN 6VR5FZQZIKZWIKANBWKLA26
31-10	1200	Conquest	30 chr EAM for Excise Tax NFYS6E LJVPABH7YHAYCR6PYIPI4
31-10	1546	Conquest	30 chr EAM for Region Charlie NFCZNB 2XGQVDJHWPSPVQ7WSPMZLHAOJ
31-10	1600	Conquest	30 chr EAM 26T2RJ 7LWS4XXAT3LLUFLW2MFOGTWN
31-10	1603	Conquest	30 chr EAM 26ZIBJ RWOA7VLNCKI3WLHXL4X2ZJ
31-10	1624	Conquest	30 chr EAM NFFN74 GTG4AC7EH3FRB4OQYLL3HIHM
31-10	1630	Conquest	30 chr EAM 26JPE7 OQK3OTGDPF2Z6PIB7LZLVPT4
31-10	1633	Conquest	30 chr EAM 26ZIBJ RWOA7VLNCKI3WLHXL4X2ZJ
31-10	1726	Conquest	30 chr EAM 262UCW UYTLE4DN7VWSEFRNXX6CORS5
31-10	1738	Conquest	30 chr EAM for Ant-82 NFQPW4 U42JVC4LYTAJQAPS6DHPAGC
31-10	1808	Conquest	30 chr EAM 26U63Z NILOD2XUUQO74NLKELVGDYHJ
31-10	2040	Conquest	88 chr EAM JES7BX 7C7FM2TNPTUXMJU46EAY4YKFKFKWGQQLQLGCCCC4YFGOB2UNV3TQ JCQYNIIBAIP7777WC7NADNVY4ELF4F
31-10	2108	Conquest	88 chr EAM JES7BX 7C7FM2TNPTUXMJU46EAY4YKFKFKWGQQLQLGCCCC4YFGOB2UNV3TQJCQYNIIBAIP7777WC 7NADNVY4ELF4F
31-10	2131	Conquest	30 chr EAM 26TSZZ 6AARA3ZFTF46R6WL7WL2XVN4
31-10	2133	Conquest	88 chr EAM JES7BX 7C7FM2TNPTUXMJU46EAY4YKFKFKWGQQLQLGCCCC4YFGOB2UNV3TQ JCQYNIIBAIP7777WC7NADNVY4ELF4F
31-10	2159	Conquest	88 chr EAM JES7BX 7C7FM2TNPTUXMJU46EAY4YKFKFKWGQQLQLGCCCC4YFGOB2UNV3TQ JCQYNIIBAIP7777WC7NADNVY4ELF4F

## RUSSIAN MILITARY TRANSCRIPTS

Logs submitted by WP3, Gwr, AB, JU, F5JBR, ES

### Strategic messages

5361 kHz, 08-10, 0946 UTC XXX XXX VZLQ VZLQ 20179 VKUSOHLAM 3516 1844 K (followed by the same message on S32)  
14411 kHz, 15-10, 1203 UTC XXX XXX N1DX N1DX F2ET F2ET 94204 79806 KLERIKALIZM 8338 0833  
14411 kHz, 16-10, 1010 UTC RDL: XXX XXX RJY95 RJY95 59938 61546 WOLOSNO 8452 4104 K  
8076 kHz, 21-10, 1558 UTC XXX XXX M7A2 M7A2 M7A2 87847 08716 NARODNIK 3559 9150 K  
3552 kHz, 24-10, 0650 UTC RDL: XXX RDL ÉLASTIÔNYJ 0113 1036 0900 0938 K  
5304 kHz, 24-10, 0747 UTC H8L4: XXX WEGI 83691 TRUPOFLIK 1594 6639 K  
5304 kHz, 24-10, 0749 UTC H8L4: XXX N1DX 11360 REKWIOK 1882 1781  
5096 kHz, 24-10, 0752 UTC XXX ANWF 39184 BEREZOWAÄ 7430 3532 K  
4807 kHz, 24-10, 0800 UTC RIT: XXX M7A2 07190 POOÖEREDNYJ 1962 7469 K  
5023 kHz, 25-10, 0814 UTC REA4: XXX 1QRF 11003 ARIZONSKIJ 8087 7843 K  
5023 kHz, 25-10, 0819 UTC REA4: XXX 1QRF 58533 GANGOFLOT 0054 6554 K  
5023 kHz, 25-10, 0821 UTC REA4: XXX 1QRF 19351 PRIMEÖANXE 7337 8212 GLINOMÄTNYJ 0054 0684 K

### Monolith Stations

4182 kHz, 12-10, 1652 UTC Dash channel marker  
4625 kHz, 12-10, 1652 UTC Buzzer channel marker (S28)  
3240 kHz, 12-10, 1653 UTC D channel marker  
3510 kHz, 12-10, 1654 UTC Air Horn channel marker  
3012 kHz, 12-10, 1655 UTC Goose channel marker  
4770 kHz, 12-10, 1656 UTC Alarm channel marker  
3756 kHz, 12-10, 1657 UTC Pip channel marker (S30)  
3828 kHz, 12-10, 1657 UTC Squeaky Wheel channel marker (S32)

### S30 Pip – Southern District

5448 kHz, 08-10, 0857 UTC 8S1Shch ??544 CAKARIT 8458 8523 missed start of header group  
5448 kHz, 08-10, 0928 UTC 8S1Shch 06270 YeDINOYVeRNYJ 7571 1936  
5448 kHz, 08-10, 0937 UTC 8S1Shch 36687 BATYuShKA 8008 1132  
5448 kHz, 08-10, 0940 UTC 8S1Shch 82755 NIKUDYShNYJ 0170 6054  
5448 kHz, 08-10, 0950 UTC 8S1Shch 46943 VODOLYuB 8935 3991  
5448 kHz, 08-10, 0956 UTC 8S1Shch 86875 KARTOPAN 5554 8721  
5448 kHz, 14-10, 0955 UTC 8S1Shch 89687 DYeNATURAT 3391 7085  
5448 kHz, 14-10, 1000 UTC Says "vremya priema" instead of "moskovska vremena" 5J7Shch 80116 AMPUTACIYa 5514 8536  
5448 kHz, 14-10, 1005 UTC 8S1Shch 16006 NYeIMYeNIYe 2953 0736  
5448 kHz, 17-10, 1137 UTC 8S1Shch 80676 KRATOVGIB 9038 4487  
5448 kHz, 24-10, 0931 UTC 8S1Shch 71789 NADOMNIK 4345 3155  
5448 kHz, 24-10, 1125 UTC ZBIL L7O5 V'Z' NLCYe V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ  
5448 kHz, 28-10, 1107 UTC 8S1Shch 85529 BORACIT 8072 2720  
5448 kHz, 28-10, 1208 UTC 8S1Shch 05662 MORION 2116 1897  
5448 kHz, 28-10, 1418 UTC 42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh  
<http://priyom.org/media/233355/s30-5448usb-20191028-1418z-dlya-bygwrastepe.ogg>  
5448 kHz, 29-10, 0950 UTC 8S1Shch 47088 KARDANNYJ 9957 3508  
5448 kHz, 29-10, 1041 UTC 8S1Shch PROVYeRKA VYZOVA 4321 1234  
5448 kHz, 29-10, 1125 UTC Timestamp omitted. 8S1Shch 29569 AMUROPAL 2974 9768  
5448 kHz, 29-10, 1133 UTC CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR  
5448 kHz, 31-10, 0946 UTC 8S1Shch 43507 BRYeGOHROM 8095 4811  
5448 kHz, 31-10, 1115 UTC S7ZhG 27017 BYKOPAH 4233 5552  
5448 kHz, 31-10, 1231 UTC 8S1Shch 50281 GYeNYeTIKA 9181 6924  
5448 kHz, 31-10, 1237 UTC DYeAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V



## 6986532 Squeaky Wheel – Southern District

5473 kHz, 08-10, 0858 UTC AI'fa-45 90582 KAPITAL 3213 0561  
5473 kHz, 08-10, 0938 UTC AI'fa-45 08461 BYeZRABOTNYJ 1200 4412  
5473 kHz, 08-10, 0954 UTC AI'fa-45 97805 DUMNYJ 5640 6051  
5473 kHz, 08-10, 0948 UTC AI'fa-45 20179 VKUSOHLAM 3516 1844 (sent by M32 at 0946 UTC)  
5473 kHz, 08-10, 0958 UTC AI'fa-45 99519 NIMBOVAR 1146 7156  
5473 kHz, 14-10, 1000 UTC AI'fa-45 07651 NYeDOLGIJ 9999 9853  
5473 kHz, 14-10, 1008 UTC AI'fa-45 82001 GICHKA 5591 0976  
5473 kHz, 17-10, 1123 UTC AI'fa-45 50218 ZALYeTNYJ 9347 8545  
5473 kHz, 17-10, 1142 UTC AI'fa-45 25638 OBUHORUL' 2773 9405  
5473 kHz, 28-10, 0941 UTC A'ifa-45 08743 BYeLOLICYJ 6074 6179  
5473 kHz, 28-10, 1111 UTC AI'fa-45 75464 GAZOSVARShchIK 9038 3532  
5473 kHz, 28-10, 1213 UTC AI'fa-45 77571 VYChISLIMYJ 4546 9337  
5473 kHz, 28-10, 1436 UTC Yahta-94 Firna-85 Sliva-94 Alyeut-09 Ruzh'e-26 Burka-37 Kurgan-40  
5473 kHz, 29-10, 0955 UTC AI'fa-45 18272 KLIKOSYeKS 0616 2294  
5473 kHz, 29-10, 1048 UTC AI'fa-45 PROVYeRKA VYZOVA 4321 1234  
5473 kHz, 29-10, 1130 UTC AI'fa-45 23461 OBLADAN'Ye 4562 6658  
5473 kHz, 31-10, 0952 UTC AI'fa-45 86186 ZhILISHchYe 8286 2177  
5473 kHz, 31-10, 1235 UTC AI'fa-45 09947 NYePRILICHNYJ 0235 6395

## Vega-33 / N'ZhJ – Southern District

### Note from Gwr:

When Vega-33/N'ZhJ send messages they give a Moscow timestamp which is the same time as the preceding message from S30.

5372 kHz, 08-10, 0919 UTC Vega-33 27853 MIFOVVOZ 4469 2194  
5372 kHz, 08-10, 1119 UTC Vega-33 96761 GROMOD'YaK 0973 2928

### New collective callsigns since 14 October: N'ZhJ

5372 kHz, 14-10, 1025 UTC N'ZhJ 68341 MYaKINNYJ 9407 8268  
<http://priyom.org/media/230789/vega33-5372usb-20191014-1025z-msg-bygwraste.ogg>

5372 kHz, 17-10, 1143 UTC N'ZhJ 22391 KLYuVOZhOR 5835 2113  
<https://www.priyom.org/media/230945/vega33-5372usb-20191017-1143z-msg-bygwraste.ogg>

5372 kHz, 17-10, 1145 UTC N'ZhJ 40004 LUGOPOD 7123 0468 <-- pip clearly audible in background  
<https://www.priyom.org/media/230948/vega33-5372usb-20191017-1145z-msg-bygwraste.ogg>

5372 kHz, 17-10, 1148 UTC N'ZhJ 6963 9508 9722 2400 5412 7773 3959 9693 9855 0726  
8298 6007 5681 6386 6935 2376 0782 (S30's pip clearly audible in background)  
<https://www.priyom.org/media/230951/vega33-5372usb-20191017-1148z-msg-bygwraste.ogg>

5372 kHz, 17-10, 1151 UTC ZhPDN 45426 NONSYeNS 8067 5729  
<https://www.priyom.org/media/230954/vega33-5372usb-20191017-1151z-msg-bygwraste.ogg>

5372 kHz, 17-10, 1202 UTC N'ZhJ 84844 B'YeFOTAZ 0537 9922  
5372 kHz, 17-10, 1203 UTC N'ZhJ 49307 MEhROGLIF 2493 2842  
5372 kHz, 17-10, 1205 UTC N'ZhJ 86294 VYeTROPAT 2111 1305

**5372 kHz, 24-10, 1005 UTC** Long message. S30 marker audible in background throughout the transmission  
<https://www.priyom.org/media/232520/vega33-5372usb-20191024-1005z-msg-bygwraspce.ogg>

N'ZhJ 62814 OKNR 011

MMMMM ZhRLYeCh CYaJND FZhYeJC CYaJND FZhYeJC CYaJND FZhYeJC KPYChG YPYMA D'KSJ DOHShchT ZZhBMN ShchYeYeIZ  
CVNAN TUSHchMZh SYeZBO SHZhYaB NROFShch CYeNIYe DYaFVSh ISchYeYV ZhGOYeS VCYeKP LHYuYaB SRYuDD NShYeChH  
MGChBShch UYeAVG JShLCS MYIYuY YeNZhII OLZLSh ChYeUYR TMYeZYe ShYuNYV MDYeIL OML'Ch NGChMJ KOYuShV DGTBCh  
JDVZhF HKAOH HNDRM SALGU AYaFPYe UDPCV IYuChBF HZ'IM RHVZYa BGAHF DM'O' VYANDT CYeOKH ShchZZhFYa PZhZhZhH  
TU'YeT MYJTD UTShVV MMNYeZh ChYeZhChSh 'FZhYeA L'ChUO CYaYuI DUCFP TBTYaYu IAJFYu YeRLBT KFDYuShch YeIZGH  
NVPDYu KLDFP JNDBM SYuYuYaS JZYaUR FYeJ'' NYNLT ShchZhYeKN ShZYJU ZhZhShchZhA HCSchJC DNFZP AVOSZ ChChFRJ NZPVC  
TShKHR 'C'OSh PYaShchT HYuHAM ZhShShchBG FRF'Sh POChNM 'RMB' DMChUT VRPOR

5372 kHz, 24-10, 1018 UTC N'ZhJ 45335 ZhILYeC 5805 6569  
5372 kHz, 28-10, 0957 UTC N'ZhJ 22157 VYBOINKA 3591 3583  
5372 kHz, 28-10, 1127 UTC N'ZhJ 96904 VULKAN 0664 6428  
5372 kHz, 28-10, 1226 UTC N'ZhJ 34699 MYeZhSYeTYeVOJ 1775 8114  
5372 kHz, 28-10, 1333 UTC N'ZhJ 13127 NARKOLOG 6631 8649  
5372 kHz, 29-10, 1010 UTC N'ZhJ 18659 MANUAL'NYJ 8997 3110  
5372 kHz, 29-10, 1101 UTC N'ZhJ PROVYeRKA VYZOVA 4321 1234  
5372 kHz, 29-10, 1148 UTC N'ZhJ 21815 DYeKOShISH 7539 986  
5372 kHz, 31-10, 1005 UTC N'ZhJ 52760 RASTAMozhYeNNYJ 2319 4894  
5372 kHz, 31-10, 1252 UTC N'ZhJ 51111 FROMOKOD 9364 1214

#### Another Southern District station

#### 4565 kHz, 17-10, 1108 UTC

Monolit, Monolit

58451 AZINOLGUN 1842 4036 YuROKOShYeT 5428 7922

[http://priyom.org/media/230923/4565usb\\_monolit\\_20191017-1108z-bygwraspce.ogg](http://priyom.org/media/230923/4565usb_monolit_20191017-1108z-bygwraspce.ogg)

#### 4565 kHz, 17-10, 1109 UTC

Vnimanie, vnimanie, vnimanie, vnimanie

Vozduh, vozduh

3289 4276 6028 8071 1032 0518 1233 9145 0214 1115 5182 2333 9742 7939 1997 1004 5385 11305 1718

[http://priyom.org/media/230926/4565usb\\_vozduh\\_20191017-1109z-bygwraspce.ogg](http://priyom.org/media/230926/4565usb_vozduh_20191017-1109z-bygwraspce.ogg)

### M32 - Russian / CIS Military CW Stations

#### 12776 kHz, 03-10, 0736-1250 UTC

CW messages between T600 50/200 encrypted traffic

RDL RDL RDL 12433 15492 12433 15492 12433 15492 K  
RDL RDL RDL 98879 93918 98879 93918 08879 93918 K  
RDL RDL RDL 80109 25143 80109 25143 80109 25143 K  
RDL RDL RDL 74898 72985 74898 72985 74898 72985 K  
RDL RDL RDL 75945 00778 75945 00778 75945 00778 K  
RDL RDL RDL 03217 29361 03217 29361 03217 29361 K  
RDL RDL RDL 23084 41733 23084 41733 23084 41733 K  
RDL RDL RDL 42552 89554 42552 89554 42552 89554 K  
RDL RDL RDL 54869 91099 54869 91099 54869 91099 K  
RDL RDL RDL 53232 95637 53232 95637 53232 95637 K  
RDL RDL RDL 04071 01273 04071 01273 04071 01273 K  
RDL RDL RDL 87713 32215 87713 32215 87713 32215 K  
RDL RDL RDL 71582 84107 71582 84107 71582 84107 K  
RDL RDL RDL 00240 74855 00240 74855 00240 74855 K  
RDL RDL RDL 89654 70904 89654 70904 89654 70904 K  
RDL RDL RDL 14701 88952 14701 88952 14701 88952 K  
RDL RDL RDL 34917 22365 34917 22365 34917 22365 K

**12776 kHz, 10-10, 0816-1600 UTC**

CW messages between T600 50/200 encrypted traffic

RDL RDL RDL 76587 25516 76587 25516 76587 25516 K  
RDL RDL RDL 06029 96770 06029 96770 06029 96770 K  
RDL RDL RDL 35476 42231 35476 42231 35476 42231 K  
RDL RDL RDL 45090 86198 45090 86198 45090 86198 K  
RDL RDL RDL 18375 89722 18375 89722 18375 89722 K  
RDL RDL RDL 48316 58504 48316 58504 48316 58504 K  
RDL RDL RDL 44171 32931 44171 32931 44171 32931 K  
RDL RDL RDL 94355 33017 94355 33017 94355 33017 K  
RDL RDL RDL 68266 44844 68266 44844 68266 44844 K  
RDL RDL RDL 89928 30183 89928 30183 89928 30183 K

RDL RDL RDL

22222 80612 93452 29120 29120 34897 86177 52964 01352 41275  
27044 14155 23489 03805 67320 14510 10448 07181 20066 46233  
32530 44677 46202 22385 53221 37542 97143 79673 13329 99357  
67119 61440 47342 53704 00317 73277 15674 92251 86614 01818  
07602 77670 51668 10043 K

RDL RDL RDL 41562 93290 41562 93290 41562 93290 K  
RDL RDL RDL 23533 11150 23533 11150 23533 11150 K  
RDL RDL RDL 40748 30001 40748 30001 40748 30001 K  
RDL RDL RDL 42323 53053 42323 53053 42323 53053 K  
RDL RDL RDL 59056 68502 59056 68502 59056 68502 K  
RDL RDL RDL 23856 55013 23856 55013 23856 55013 K  
RDL RDL RDL 98578 92284 98578 92284 98578 92284 K  
RDL RDL RDL 81712 38422 81712 38422 81712 38422 K  
RDL RDL RDL 35745 84325 35745 84325 35745 84325 K

**12776 kHz, 11-10, 0819-1100 UTC**

CW messages between T600 50/200 encrypted traffic

RDL RDL RDL 34499 94389 34499 94389 34499 94389 K  
RDL RDL RDL 03349 82573 03349 82573 03349 82573 K  
RDL RDL RDL 04363 22724 04363 22724 04363 22724 K  
RDL RDL RDL 04363 22724 04363 22724 04363 22724 K  
RDL RDL RDL 57348 80779 57348 80779 57348 80779 K  
RDL RDL RDL 54783 96273 54783 96273 54783 96273 K

**14664 kHz, 14-10, 0738-1500 UTC**

i.p. 73 28873 76858 62427 02479 55592 49839 30111 38892

13998 58516 82137 90179 50250 06849 78211 93914 66968 81244  
93086 89211 98243 14025 K

RDL RDL RDL 78234 69027 78234 69027 78234 69027 K  
RDL RDL RDL 10250 74377 10250 74377 10250 74377 K  
RDL RDL RDL 32287 71315 32287 71315 32287 71315 K  
RDL RDL RDL 37909 29613 37909 29613 37909 29613 K  
RDL RDL RDL 35288 94696 35288 94696 35288 94696 K  
RDL RDL RDL 60969 75603 60969 75603 60969 75603 K  
RDL RDL RDL 26444 91986 26444 91986 26444 91986 K  
RDL RDL RDL 82856 28144 82856 28144 82856 28144 K

**5209 kHz, 16-10, 1320 UTC, CW. Long transmission. Copied by ES via web-sdr Silec, POL**

Transcribed/spaced as sent. Two to three minute gaps between each short sending.

It is most likely sent by Russian military, possibly exercise related. The format is unknown to me. The transmissions looks somewhat like the messages sent by RDL but also like radar plots although the format does not fit the known M21/M41 formats. Additional information is most welcome.

3342 8918  
10204 733375722 10207 733476322 30207 0 207 2  
1020 4733437 7920 202 04201020427  
10204 73337 7934  
10204 7333774 38  
1 020473337 644 2102042010604 09  
10 2047333759 45  
10204 733 37 59 1 I I I I 10204 73337 6948 2020  
10208 73317 685 0  
x0204733377852  
10208 7331769 52 20208 701030503  
10208 1 I I I 10208 73317 7455  
1 02 04 733376856  
10208 x33 17 7958 202 III 20208 9x 10 30 2234 02080208 0  
10204733375859  
10204 733 375402  
10203 733375804  
10204733 – Signal cut off midway through last digit.  
10204733177909  
10204 7333954 12  
1020x 7333 37  
x913  
2000 III 20204 21030409  
10x04 7333769x6  
1020 47335769 1820204201030409  
10204 73337 6xxx  
1020 4 733376922 2 020x 2010304 27  
10 2047333  
7 6424  
10204 73337 7427  
10204 733 377830 20 xx 201030400  
10204 733377 932  
10 204733376 935  
1 0 204 733 37 5 9 38  
10 20 4 733 37 6844  
10204 73337784 6  
20204 2010304 26  
10204 733 395950 102097 33176950  
102047 3337 7954 10209733175 154 20 209 201050603  
10 204 7333768 57 10209 73317 9956 20209 20104 06 33  
10209 73317 2758  
10204 7333954 00 102097331712 00

**Reformatted version:**

10204 73337 5722 10207 73347 6322 30207 02072  
10204 73337 7920 202 0420 10204 27  
10204 73337 7934  
10204 73337 7438  
10204 73337 644 210 20420 10604 09  
10204 73337 59 45  
10204 73337 59 1 I I I I 10204 73337 6948 2020  
10208 73317 685 0  
10204 73337 7852  
10208 73317 69 52 20208 701030503  
10208 1 I I I 10208 73317 7455  
10204 73337 6856  
10208 73317 7958 202 III 20208 9x 10 30 2234 02080208 0  
10204 73337 5859  
10204 73337 5402  
10203 73337 5804  
10204 733 – Signal cut off midway through last digit.  
10204 73317 7909  
10204 73337 954 12  
10204 73337 x913 2000 III 20204 21030409  
10204 73337 69x6  
10204 73357 6918 20204 2010304 09  
10204 73337 6xxx  
10204 73337 6922 20204 2010304 27  
10204 73337 6424  
10204 73337 7427  
10204 73337 7830 20cxx 2010304 00  
10204 73337 7932  
10204 73337 6935  
10204 73337 5938  
10204 73337 6844  
10204 73337 7846 20204 2010304 26  
10204 73337 395950 10209 73317 6950  
10204 73337 7954 10209 73317 5154 20209 20105 0603  
10204 73337 6857 10209 73317 9956 20209 20104 0633  
10209 73317 2758  
10204 73337 954 00 10209 73317 12 00

***M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)*****5391 kHz, 26-10, 1204 UTC. RGL80 wkg RJS**

QTC 292 17 26 1502 292 = FM RGL80 FOR RJH45 RJH48 RJE60 =

26121 99445 11365 42998 02915 10072 40062 52018 22262 00100 20203 330// 40404 = AR RGL80 K

**5016 kHz, 26-10, 1214 UTC. RGL80 wkg RJS**

QTC 292 17 26 1502 292 = FM RGL80 FOR RJH45 RJH48 RJE60 =

26121 99445 11365 42998 02915 10072 40062 52018 22262 00100 20203 330// 40404 = AR RGL80 K



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

### **8816 kHz, 04-10, 0711 UTC**

RJC38 RJF94 DE 54555 QTO 0700 QRD XLLV XLMD QBD 0500 QRE 0915 K  
QTR 0815 QTH 16334 13339 QBG 250 QRE XLLV 0918 K  
QQM XLLV 0915 SK

### **8816 kHz, 04-10, 1013 UTC**

RJC38 RJF94 DE 09436 QTO 1003 QRD XLWF XLMD QRE 1230 QBD 0700 K  
QTH 16419 13458 QTR 1115 QBG 7000 QBD 0600 QRE XLWF 1225 K  
QQM XLWF 1225 SK

### **8816 kHz, 04-10, 1230 UTC**

RJC38 RJF94 DE 26914 QTO 1215 QRD XUMU XLMD QRE 1610 QBD 0500 K  
QQL ULPE 1327 QBD 0400 QBG 5800  
QAY XLPB 1420 QBD 0300 K  
QTH 15840 13755 QTR 1524 QBD 0200 QRE XUMU 1615 K  
QQM XUMU 1625 SK

### **8816 kHz, 04-10, 1354 UTC**

RJC38 RJF94 DE 54555 QTO 1345 QRD XLMD XLLV QBD 0500 QRE 1550 K  
QQL ULPE 1447 QBG 2800 QRE XLMD 1545 K  
QQM XLMD 1542 SK

### **8816 kHz, 04-10, 1414 UTC**

RJC38 RJF94 DE 09436 QTO 1405 QRD XRKE XLWF QRE 1835 QBD 0800 K  
QTH 15526 13757 QTR 1517 QBG 6400 QBD 0700 K  
QTH 15043 14038 QTR 1630 QBG 7000 QBD 0600 K  
QTH 14924 14118 QTR 1650 QBG 7000 QRE XRKE 1750 K  
QQM XRKE 1749 SK

### **8816 kHz, 04-10, 1811 UTC**

RJC38 RJF94 DE 26914 QTO 1800 QRD XLWF XUMU QRE 1905 QBD 0400 K  
QQM XLWF 1905 SK

### **8816 kHz, 04-10, 1910 UTC**

RJC38 RJF94 DE 09436 QTO 1900 QRD XRFI XRKE QRE 2020 QBD 0600 K

### **8816 kHz, 06-10, 0730 UTC**

RJC38 RJF94 DE 26914 QTO 0720 QRD XLMD XLWF QRE 1010 QBD 0500 K  
QAY XLPB 0817 QBD 0400 QBG 5500 K  
QTH 16557 13350 QTR 0927 QBD 0300 QRE XLMD 1025 K  
QQM XLMD 1030 SK

### **8816 kHz, 06-10, 1159 UTC**

RJC38 RJF94 DE 26912 QTO 1147 QRD XUMO XLMD QRE 1550 QBD 0500 K  
QQL ULPE 1253 QBD 0400 QBG 5800 K  
QTH 16117 13700 QTR 1346 QBD 0300 K  
QTH 15805 13766 QTR 1440 QBD 0200 QBG 5500 QRE XUMO 1530 K  
QQM XUMO 1530 SK

### **8816 kHz, 06-10, 1656 UTC**

RJC38 RJF94 DE 26912 QTO 1645 QRD XLAA XUMO QRE 1930 QBD 0500 K  
QAY ULWC 1745 QBD 0400 QBG 5800 K  
QTH 16132 13857 QTR 1820 QBD 0300 QRE XLAA 1915 K

### **8816 kHz, 07-10, 0718 UTC**

RJC38 RJF94 DE 09436 QTO 0709 QRD XRKE XRFI QRE 0830 QBD 0430 K  
QQM XRKE 0800 SK

**8816 kHz, 07-10, 1200 UTC**

RJC38 RJF94 DE 09436 QTO 1034 QRD XLWF XRKE QRE 1310 QBD 0700 K  
QTH 15143 14011 QTR 1158 QBG 6700 QBD 0600 K  
QTH 15454 13830 QTR 1235 QBG 6700 QRE XLWF 1330 K  
QQM XLWF 1330 SK

**8816 kHz, 07-10, 1502 UTC**

RJC38 RJF94 DE 09436 QTO 1447 QRD XLMD XLWF QRE 1710 QBD 0700 K  
QTH 16438 13445 QTR 1602 QBG 6700 QBD 0600 QRE XLMD 1705 K  
QQM XLMD 1702 SK

**8816 KHZ, 19-10, 1015 UTC**

RJF94 RJC38 DE 26912 QTO 1000 QRD XUYK XLMG QRE 1350 QBD 0530 K  
QTH 16541 14007 QTR 1104 QBD 0400 QBG 6400 K  
QQL XLAM 1218 QBD 0300 QRE XUYK 1320 K  
QQM XUYK 1325 SK

**8816 kHz, 19-10, 1024 UTC**

RJC38 RJF94 DE 26914 QTO 1014 QRD XUYK XLMG QRE 1400 QBD 0530 K  
QTH 16541 14007 QTR 1121 QBG 5800 QBD 0430 K  
QTH 16710 15065 QTR 1224 QBG 5800 QBD 0330 QRE XUYK 1330 K  
QQM XUYK 1343 SK

**8816 KHZ, 19-10, 1525 UTC**

RJF94 RJC38 DE 26912 QTO 1510 QRD XLMD XUYK QRE 1940 QBD 0530 K  
QTH 16739 15527 QTR 1615 QBD 0430 QBG 6700 K  
QTH 16645 14745 QTR 1715 QBD 0330 QBG 6100 K  
QTH 16607 13913 QTR 1825 QBD 0230 QRE XLMD 1940 K  
QQM XLMD 1933 SK

**8816 KHZ, 19-10, 1607 UTC**

RJF94 RJC38 DE 26912 QTO 1555 QRD XLMD XUYK QRE 2030 QBD 0530 K  
QTH 16739 15528 QTR 1708 QBG 5500 QBD 0430 K  
QTH 16691 14742 QTR 1812 QBG 5500 QBD 0330 K  
QTH 16607 13913 QTR 1914 QBG 5500 QBD 0230 QRE XLMD 2025 K  
QQM XLMD 2017 SK

**8816 kHz, 24-10, 0612 UTC**

RJC38 RJF94 DE 26914 QTO 0600 QRD XLWF XLMD QRE 0900 QBD 0530 K  
QTH 16456 13429 QTR 0711 QBG 5800 QBD 0430 K  
QTH 16276 13603 QTR 0737 QBG 5800 QRE XLWF 0835 K  
QQM XLWF 0835 SK

**8816 kHz, 24-10, 1211 UTC**

RJC38 RJF94 DE 26914 QTO 1200 QRD XLMD XLWF QRE 1530 QBD 0500 K  
QTH 16282 13611 QTR 1312 QBG 5500 QBD 0400 K  
QTH 16610 13380 QTR 1410 QBG 5500 QBD 0300 QRE XLMD 1510 K  
QQM XLMD 1510 SK

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	5372	8-10	0919	Tue	Vega-33 27853 MIFOVVOZ 4469 2194	USB	(Gwr)
---	5372	8-10	1119	Tue	Vega-33 96761 GROMOD'YaK 0973 2928	USB	(Gwr)
---	4182	12-10	1652	Sat	Russian military. Dash channel marker	USB	(AB)
---	3240	12-10	1653	Sat	Russian military. D channel marker	USB	(AB)
---	3510	12-10	1654	Sat	Russian military. Air Horn channel marker	USB	(AB)
---	3012	12-10	1655	Sat	Russian military. Goose channel marker	USB	(AB)
---	4770	12-10	1656	Sat	Russian military. Alarm channel marker	USB	(AB)
---	5372	14-10	1025	Mon	N'ZhJ/???? 68341 MYaKINNYJ 9407 8268	USB	(Gwr)
---	4182	16-10	1702	Wed	Russian military. Dash channel marker	USB	(AB)
---	4565	17-10	1108	Thu	Monolit, Monolit, 58451 AZINOLGUN 1842 4036 YuROKOShYeT 5428 7922	USB	(Gwr)
---	4565	17-10	1109	Thu	Vnimanie, vnimanie, vnimanie, vnimanie. Vozduh, vozduh, 3289 4276 6028 8071 1032 0518 1233 9145 0214 1115 5182 2333 9742 7939 1997 1004 5385 11305 171	USB	(Gwr)
---	5372	17-10	1143	Thu	N'ZhJ 22391 KLYuVOZhOR 5835 2113	USB	(Gwr)
---	5372	17-10	1145	Thu	N'ZhJ 40004 LUGOPOD 7123 0468 <-- pip clearly audible in background	USB	(Gwr)
---	5372	17-10	1148	Thu	N'ZhJ 6963 9508 9722 2400 5412 7773 3959 9693 9855 0726 8298 6007 5681 6386 6935 2376 0782 (S30 clearly audible in background)	USB	(Gwr)
---	5372	17-10	1151	Thu	ZhPDN 45426 NONSYeNS 8067 5729	USB	(Gwr)
---	5372	17-10	1202	Thu	N'ZhJ 84844 B'YeFOTAZ 0537 9922	USB	(Gwr)
---	5372	17-10	1203	Thu	N'ZhJ 49307 MEhROGLIF 2493 2842	USB	(Gwr)
---	5372	17-10	1205	Thu	N'ZhJ 86294 VYeTROKAT 2111 1305	USB	(Gwr)
---	4182	23-10	1705	Wed	Russian military. Dash channel marker	USB	(AB)
---	5372	24-10	1005	Thu	N'ZhJ 62814 OKNR 011 MMMMM ZhRLYeCh CyAJND FZhYeJC ... POChNM 'RMB' DMChUT VRPOR (S30 marker audible in background throughout the transmission)	USB	(Gwr)
---	5372	24-10	1018	Thu	N'ZhJ 45335 ZhILYeC 5805 6569	USB	(Gwr)
---	4182	26-10	1620	Sat	Russian military. Dash channel marker	USB	(AB)
---	5372	28-10	0957	Mon	N'ZhJ 22157 VYBOINKA 3591 3583	USB	(Gwr)
---	5372	28-10	1127	Mon	N'ZhJ 96904 VULKAN 0664 6428	USB	(Gwr)
---	5372	28-10	1226	Mon	N'ZhJ 34699 MYeZhSYeTYeVOJ 1775 8114	USB	(Gwr)
---	5372	28-10	1333	Mon	N'ZhJ 13127 NARKOLOG 6631 8649	USB	(Gwr)
---	5372	29-10	1010	Tue	N'ZhJ 18659 MANUAL'NYJ 8997 3110	USB	(Gwr)
---	5372	29-10	1101	Tue	N'ZhJ PROVYeRKA VYZOVA 4321 1234	USB	(Gwr)
---	5372	29-10	1148	Tue	N'ZhJ 21815 DYeKOShISH 7539 9867	USB	(Gwr)
---	4182	30-10	1703	Wed	Russian military. Dash channel marker	USB	(AB/MPJ)
---	5372	31-10	1005	Thu	N'ZhJ 52760 RASTAMozhYeNNYJ 2319 4894	USB	(Gwr)
---	5372	31-10	1252	Thu	N'ZhJ 51111 FROMOKOD 9364 1214	USB	(Gwr)
DPRK	11164	2-10	1211	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)

DPRK	11175	2-10	1211	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	3-10	0809	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	16008	3-10	0837	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	9-10	1229	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11164	10-10	1211	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11175	10-10	1211	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	11-10	1234	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14416	12-10	1307	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14419	12-10	1307	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	12-10	1317	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13444	15-10	0730	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	16-10	1228	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	16-10	1305	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	16-10	1305	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14119	21-10	0535	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14999	22-10	1308	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14418	22-10	1310	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	22-10	1312	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14416	25-10	1309	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11165	29-10	0834	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11135	29-10	0837	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	30-10	1228	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	30-10	1248	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11175	30-10	1250	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11008	31-10	1203	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11164	31-10	1203	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11175	31-10	1203	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11135	31-10	1221	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	18425	3-10	0600	Thu	186 724 50 91170 58519 84373 ... 72012 57889 39040 724 50 00000	USB	(AB-RUS/HFD)
E06	20230	3-10	0700	Thu	186 724 50 91170 58519 84373 ... 72012 57889 39040 724 50 00000	USB	(AB-RUS/HFD)
E06	18425	4-10	0600	Fri	186 724 50 91170 58519 84373 ... 72012 57889 39040 724 50 00000	USB	(AB-RUS)
E06	20230	4-10	0700	Fri	186 724 50 91170 58519 84373 ... 72012 57889 39040 724 50 00000	USB	(AB-RUS)
E06	5197	4-10	2119	Fri	111 111 111 00000	USB	(AB)
E06	5197	4-10	2130	Fri	634 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB)
E06	16219	10-10	0300	Thu	361 ...	USB	(HFD-J)
E06	18425	17-10	0600	Thu	186 932 57 95250 82789 58896 ... 70017 28934 21522 932 57 00000	USB	(AB-FIN)
E06	20230	17-10	0700	Thu	186 932 57 95250 82789 58896 ... 70017 28934 21522 932 57 00000	USB	(AB-RUS)
E06	5186	17-10	2030	Thu	891 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000	USB	(AB)
E06	18425	18-10	0600	Fri	186 932 57 95250 82789 58896 ... 70017 28934 21522 932 57 00000	USB	(AB-RUS)

E06	20230	18-10	0700	Fri	186 932 57 95250 82789 58896 ... 70017 28934 21522 932 57 00000	USB	(AB-RUS)
E06	5197	18-10	2130	Fri	634 972 42 45671 65736 96930 ... 57693 48690 03856 972 42 00000	USB	(AB)
E06	13457	19-10	1740	Sat	634 219 50 62731 51192 35605 ... 51715 50652 87430	USB	(Danix)
E06	10204	19-10	1840	Sat	634 219 50 62731 51192 35605 ... 51715 50652 87430	USB	(Danix)
E06	13457	20-10	1740	Sun	634 219 50 62731 51192 35605 ... 51715 50652 87430	USB	(Danix)
E06	10204	20-10	1840	Sun	634 219 50 62731 51192 35605 ... 51715 50652 87430	USB	(Danix)
E06	9067	24-10	0900	Thu	910 783 82 10704 62153 32823 ... 70802 30960 48656 743 82 00000	USB	(AB)
E06	11528	28-10	0210	Mon	537 289 45 25832 ...	USB	(HFD-RUS)
E06	14613	28-10	0310	Mon	537 289 45 25832 ...	USB	(HFD-RUS)
E07	15962	1-10	0700	Tue	945 945 945 000	USB	(AB-FIN)
E07	17462	1-10	0720	Tue	945 945 945 000	USB	(AB-FIN)
E07	17471	1-10	1100	Tue	489 489 489 000	USB	(AB/MPJ/HFD)
E07	15871	1-10	1120	Tue	489 489 489 000	USB	(AB/MPJ/HFD)
E07	11156	2-10	1700	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ/HFD)
E07	9356	2-10	1720	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ/HFD)
E07	8056	2-10	1740	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ/HFD)
E07	11539	2-10	1900	Wed	511 511 511 000	USB	(AB/MPJ/HFD)
E07	10139	2-10	1920	Wed	511 511 511 000	USB	(AB/MPJ/HFD)
E07	15849	3-10	1410	Thu	746 746 746 000	USB	(AB-RUS/GHn/MPJ/HFD)
E07	14849	3-10	1430	Thu	746 746 746 000	USB	(AB-RUS/MPJ/HFD)
E07	15962	4-10	0700	Fri	945 945 945 000	USB	(AB-FIN/HFD)
E07	17462	4-10	0720	Fri	945 945 945 000	USB	(AB-FIN/HFD)
E07	17471	4-10	1100	Fri	489 489 489 000	USB	(MPJ)
E07	15871	4-10	1120	Fri	489 489 489 000	USB	(MPJ)
E07	9064	5-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	5-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	5-10	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	5-10	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	15849	5-10	1410	Sat	746 746 746 000	USB	(AB/MPJ)
E07	14849	5-10	1430	Sat	746 746 746 000	USB	(AB/MPJ)
E07	9064	6-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	6-10	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	6-10	1300	Sun	024 024 024 000	USB	(AB)
E07	10264	6-10	1320	Sun	024 024 024 000	USB	(AB)
E07	11156	6-10	1700	Sun	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	9356	6-10	1720	Sun	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	8056	6-10	1740	Sun	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	11539	7-10	1900	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	10139	7-10	1920	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)

E07	8139	7-10	1940	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	15962	8-10	0700	Tue	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-AUT)
E07	17462	8-10	0720	Tue	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-AUT)
E07	18542	8-10	0740	Tue	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-AUT)
E07	17471	8-10	1100	Tue	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB-G/MPJ)
E07	15871	8-10	1120	Tue	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB/MPJ)
E07	13971	8-10	1140	Tue	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB/MPJ)
E07	11156	9-10	1700	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	9356	9-10	1720	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	8056	9-10	1740	Wed	130 130 130 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	11539	9-10	1900	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB/MPJ/RL)
E07	10139	9-10	1920	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB/MPJ)
E07	8139	9-10	1940	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB/MPJ)
E07	15849	10-10	1410	Thu	746 746 746 000	USB	(AB-RUS/MPJ)
E07	14849	10-10	1430	Thu	746 746 746 000	USB	(AB-RUS/MPJ)
E07	15962	11-10	0700	Fri	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-POL)
E07	17462	11-10	0720	Fri	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-AUT)
E07	18542	11-10	0740	Fri	945 945 945 1 596 182 596 182 93925 96816 44105 ... 18658 79233 42855 000 000	USB	(AB-AUT)
E07	17471	11-10	1100	Fri	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB/MPJ)
E07	15871	11-10	1120	Fri	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB/MPJ)
E07	13971	11-10	1140	Fri	489 489 489 1 402 116 402 116 08364 36615 02031 ... 64435 45577 28782 000 000	USB	(AB/MPJ)
E07	9064	12-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	12-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	12-10	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	12-10	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	15849	12-10	1410	Sat	746 746 746 000	USB	(AB)
E07	14849	12-10	1430	Sat	746 746 746 000	USB	(AB)
E07	9064	13-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	13-10	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	13-10	1300	Sun	024 024 024 000	USB	(AB/GHn/MPJ)
E07	10264	13-10	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	11156	13-10	1700	Sun	130 130 130 000	USB	(AB/MPJ)
E07	9356	13-10	1720	Sun	130 130 130 000	USB	(AB/MPJ)
E07	11539	14-10	1900	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB/MPJ)
E07	10139	14-10	1920	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB/MPJ)
E07	8139	14-10	1940	Mon	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	15962	15-10	0700	Tue	945 945 945 000	USB	(AB)
E07	17462	15-10	0720	Tue	945 945 945 000	USB	(AB-AUT)
E07	17471	15-10	1100	Tue	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB/ES-HOL)
E07	15871	15-10	1120	Tue	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB/ES-HOL)

E07	13971	15-10	1140	Tue	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB/ES-HOL)
E07	11156	16-10	1700	Wed	130 130 130 000	USB	(AB)
E07	9356	16-10	1720	Wed	130 130 130 000	USB	(AB)
E07	11539	16-10	1900	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	10139	16-10	1920	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	8139	16-10	1940	Wed	511 511 511 1 103 56 103 56 37284 71404 17793 ... 98048 64398 97946 000 000	USB	(AB)
E07	15849	17-10	1410	Thu	746 746 746 000	USB	(AB)
E07	14849	17-10	1430	Thu	746 746 746 000	USB	(AB)
E07	15962	18-10	0700	Fri	945 945 945 000	USB	(AB-POL)
E07	17462	18-10	0720	Fri	945 945 945 000	USB	(AB-AUT)
E07	17471	18-10	1100	Fri	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB)
E07	15871	18-10	1120	Fri	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB)
E07	13971	18-10	1140	Fri	489 489 489 1 654 88 654 88 48709 06531 99707 ... 95027 41529 70384 000 000	USB	(AB)
E07	9064	19-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	19-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	19-10	1300	Sat	024 024 024 000	USB	(AB)
E07	10264	19-10	1320	Sat	024 024 024 000	USB	(AB)
E07	9064	20-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	20-10	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	20-10	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	20-10	1320	Sun	024 024 024 000	USB	(AB/GHn/MPJ)
E07	11156	20-10	1700	Sun	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(MPJ)
E07	9356	20-10	1720	Sun	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(AB/MPJ)
E07	8056	20-10	1740	Sun	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(AB/MPJ)
E07	11539	21-10	1900	Mon	511 511 511 000	USB	(AB)
E07	10139	21-10	1920	Mon	511 511 511 000	USB	(AB/MPJ/RL)
E07	15962	22-10	0700	Tue	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB)
E07	17462	22-10	0720	Tue	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB-AUT)
E07	18542	22-10	0740	Tue	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB)
E07	17471	22-10	1100	Tue	489 489 489 000	USB	(AB/MPJ)
E07	15871	22-10	1120	Tue	489 489 489 000	USB	(AB/MPJ)
E07	11156	23-10	1700	Wed	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(AB-FIN)
E07	9356	23-10	1720	Wed	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(AB-FIN)
E07	8056	23-10	1740	Wed	130 130 130 1 5980 75 5980 75 22192 83204 04746 ... 35994 94781 11839 000 000	USB	(AB)
E07	11539	23-10	1900	Wed	511 511 511 000	USB	(AB)
E07	10139	23-10	1920	Wed	511 511 511 000	USB	(AB)
E07	15849	24-10	1410	Thu	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(AB/MPJ)
E07	14849	24-10	1430	Thu	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(AB/MPJ)
E07	13449	24-10	1450	Thu	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(AB/MPJ)
E07	15962	25-10	0700	Fri	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB-FIN)



E07	17462	25-10	0720	Fri	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB-POL)
E07	18542	25-10	0740	Fri	945 945 945 1 9685 132 9685 132 58489 42044 89826 ... 09985 43496 34836 000 000	USB	(AB-POL)
E07	17471	25-10	1100	Fri	489 489 489 000	USB	(AB/MPJ)
E07	15871	25-10	1120	Fri	489 489 489 000	USB	(AB/MPJ)
E07	9064	26-10	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	26-10	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	26-10	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	26-10	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	15849	26-10	1410	Sat	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(MPJ)
E07	14849	26-10	1430	Sat	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(MPJ)
E07	13449	26-10	1450	Sat	746 746 746 1 620 60 81249 58707 29844 ... 13723 21261 17094 000 000	USB	(MPJ)
E07	9064	27-10	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	27-10	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	27-10	1300	Sun	024 024 024 000	USB	(MPJ)
E07	10264	27-10	1320	Sun	024 024 024 000	USB	(MPJ)
E07	11156	27-10	1700	Sun	130 130 130 000	USB	(AB/MPJ)
E07	9356	27-10	1720	Sun	130 130 130 000	USB	(AB/MPJ)
E07	11539	28-10	1900	Mon	511 511 511 000	USB	(AB-RUS/MPJ)
E07	10139	28-10	1920	Mon	511 511 511 000	USB	(AB-RUS/MPJ)
E07	15962	29-10	0700	Tue	945 945 945 000	USB	(AB)
E07	17462	29-10	0720	Tue	945 945 945 000	USB	(AB-AUT)
E07	17471	29-10	1100	Tue	489 489 489 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	15871	29-10	1120	Tue	489 489 489 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	13971	29-10	1140	Tue	489 489 489 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	11156	30-10	1700	Wed	130 130 130 000	USB	(AB/GHn)
E07	9356	30-10	1720	Wed	130 130 130 000	USB	(AB/MPJ)
E07	11539	30-10	1900	Wed	511 511 511 000	USB	(AB-RUS/MPJ)
E07	10139	30-10	1920	Wed	511 511 511 000	USB	(AB-RUS/MPJ)
E07	15849	31-10	1410	Thu	746 746 746 000	USB	(AB/MPJ)
E07	14849	31-10	1430	Thu	746 746 746 000	USB	(AB/MPJ)
E07a	8144	2-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	2-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	3-10	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	3-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11424	4-10	1510	Fri	411 411 411 000	USB	(AB/GHn/MPJ/HFD)
E07a	10124	4-10	1530	Fri	411 411 411 000	USB	(AB/MPJ/HFD)
E07a	11484	5-10	0800	Sat	413 413 413 000	USB	(AB/HFD)
E07a	12184	5-10	0820	Sat	413 413 413 000	USB	(AB/HFD)
E07a	8144	9-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	9-10	2020	Wed	197 197 197 000	USB	(AB)



E07a	6788	10-10	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	10-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11424	11-10	1510	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	10124	11-10	1530	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	11484	12-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	12-10	0820	Sat	413 413 413 000	USB	(AB)
E07a	8144	16-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	16-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	17-10	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	17-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11424	18-10	1510	Fri	411 411 411 000	USB	(AB)
E07a	10124	18-10	1530	Fri	411 411 411 000	USB	(AB)
E07a	11484	19-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	19-10	0820	Sat	413 413 413 000	USB	(AB)
E07a	8144	23-10	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	23-10	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	24-10	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	24-10	0450	Thu	741 741 741 000	USB	(AB)
E07a	11424	25-10	1510	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	10124	25-10	1530	Fri	411 411 411 000	USB	(AB/MPJ)
E07a	11484	26-10	0800	Sat	413 413 413 000	USB	(AB)
E07a	12184	26-10	0820	Sat	413 413 413 000	USB	(AB)
E07a	8144	30-10	2000	Wed	197 197 197 000	USB	(AB/MPJ)
E07a	6944	30-10	2020	Wed	197 197 197 000	USB	(AB/MPJ)
E11	10800	1-10	0645	Tue	515/00	USB	(AB-POL)
E11	8180	1-10	0700	Tue	577/00	USB	(AB-POL)
E11	9963	1-10	0715	Tue	631/00	USB	(AB)
E11	12202	1-10	0845	Tue	151/00	USB	(AB)
E11	7317	1-10	1000	Tue	308/00	USB	(AB)
E11	6923	1-10	1205	Tue	461/00	USB	(AB/MPJ)
E11	14972	1-10	1345	Tue	911/00	USB	(MPJ)
E11	5082	1-10	1605	Tue	236/00	USB	(MPJ)
E11	12153	2-10	0640	Wed	940/00	USB	(AB-POL)
E11	17410	2-10	0745	Wed	346/00	USB	(AB-AUT)
E11	19184	2-10	0820	Wed	133/00	USB	(AB-POL)
E11	8180	2-10	0900	Wed	532/00	USB	(AB)
E11	6940	2-10	0930	Wed	275/00	USB	(AB/JPL)
E11	7317	2-10	1045	Wed	693/00	USB	(AB)
E11	4181	2-10	1705	Wed	391/00	USB	(AB/MPJ)
E11	10800	3-10	0645	Thu	518/00	USB	(AB)

E11	5941	3-10	0820	Thu	435/00	USB	(AB)
E11	12202	3-10	0845	Thu	157/00	USB	(AB)
E11	6940	3-10	0940	Thu	277/00	USB	(AB)
E11	10330	3-10	1530	Thu	262/00	USB	(AB/MPJ)
E11	7864	3-10	1730	Thu	414/00	USB	(MPJ)
E11	7317	3-10	1900	Thu	644/00	USB	(AB/MPJ)
E11	5779	4-10	0435	Fri	355/00	USB	(AB)
E11	13873	4-10	0600	Fri	185/00	USB	(AB)
E11	8180	4-10	0700	Fri	571/00	USB	(AB)
E11	9963	4-10	0715	Fri	631/00	USB	(AB)
E11	17410	4-10	0745	Fri	346/00	USB	(AB-AUT)
E11	5941	4-10	0820	Fri	434/00	USB	(AB)
E11	7317	4-10	1000	Fri	304/00	USB	(AB)
E11	5737	4-10	1530	Fri	520/00	USB	(AB)
E11	11116	4-10	1650	Fri	925/00	USB	(AB/MPJ)
E11	5371	5-10	0805	Sat	312/00	USB	(AB)
E11	14972	5-10	1345	Sat	912/00	USB	(AB-POL/MPJ-AUT)
E11	4181	5-10	1705	Sat	394/00	USB	(AB/MPJ)
E11	4505	5-10	1930	Sat	368/00	USB	(AB)
E11	5371	6-10	0805	Sun	312/00	USB	(AB)
E11	5082	6-10	1605	Sun	232/00	USB	(AB/MPJ)
E11	11116	6-10	1650	Sun	927/00	USB	(AB/MPJ)
E11	13470	6-10	1745	Sun	245/00	USB	(AB-POL)
E11	4505	6-10	1930	Sun	368/00	USB	(AB)
E11	5371	7-10	0450	Mon	413/00	USB	(AB/HFD)
E11	13873	7-10	0600	Mon	185/00	USB	(AB)
E11	8180	7-10	0900	Mon	533/00	USB	(AB)
E11	7317	7-10	1045	Mon	693/00	USB	(AB)
E11	5737	7-10	1530	Mon	527/00	USB	(AB/MPJ)
E11	7317	7-10	1900	Mon	640/00	USB	(AB)
E11	10800	8-10	0645	Tue	518/00	USB	(AB-POL)
E11	9963	8-10	0715	Tue	639/00	USB	(AB)
E11	12202	8-10	0845	Tue	159/00	USB	(AB)
E11	7317	8-10	1000	Tue	305/00	USB	(AB)
E11	6923	8-10	1205	Tue	461/00	USB	(AB/MPJ)
E11	14972	8-10	1345	Tue	912/00	USB	(AB/MPJ/HFD)
E11	8180	9-10	0900	Wed	537/00	USB	(AB)
E11	7317	9-10	1045	Wed	698/00	USB	(AB)
E11	6923	9-10	1205	Wed	465/00	USB	(MPJ)
E11	6923	9-10	1625	Wed	975/00	USB	(AB/MPJ)

E11	10800	10-10	0645	Thu	517/00	USB	(AB)
E11	7864	10-10	1730	Thu	418/00	USB	(AB/MPJ)
E11	7317	10-10	1900	Thu	649/00	USB	(AB)
E11	5779	11-10	0435	Fri	351/00	USB	(AB)
E11	13873	11-10	0600	Fri	189/00	USB	(AB)
E11	7317	11-10	1000	Fri	300/00	USB	(AB)
E11	5737	11-10	1530	Fri	522/00	USB	(MPJ)
E11	11116	11-10	1650	Fri	929/00	USB	(AB/MPJ)
E11	8530	11-10	1910	Fri	617/00	USB	(AB-POL/MPJ)
E11	8102	12-10	0710	Sat	495/00	USB	(AB)
E11	14972	12-10	1345	Sat	912/00	USB	(AB/MPJ)
E11	5779	13-10	0435	Sun	350/00	USB	(AB)
E11	8102	13-10	0710	Sun	497/00	USB	(AB)
E11	6923	13-10	1625	Sun	977/00	USB	(AB/MPJ)
E11	11116	13-10	1650	Sun	920/00	USB	(AB/MPJ)
E11	8530	13-10	1910	Sun	610/00	USB	(AB/MPJ)
E11	5371	14-10	0450	Mon	415/00	USB	(AB)
E11	12153	14-10	0640	Mon	949/00	USB	(AB-POL)
E11	10213	14-10	0745	Mon	268/00	USB	(AB)
E11	7317	14-10	1045	Mon	698/00	USB	(AB/MPJ)
E11	5737	14-10	1530	Mon	524/00	USB	(AB/MPJ)
E11	13470	14-10	1745	Mon	248/00	USB	(AB-POL/MPJ)
E11	7317	14-10	1900	Mon	644/00	USB	(AB)
E11	10800	15-10	0645	Tue	510/00	USB	(AB)
E11	8180	15-10	0700	Tue	576/00	USB	(AB)
E11	9963	15-10	0715	Tue	639/00	USB	(AB)
E11	19184	15-10	0820	Tue	138/00	USB	(AB-POL)
E11	12202	15-10	0845	Tue	159/00	USB	(AB)
E11	14972	15-10	1345	Tue	911/00	USB	(AB/MPJ-HNG)
E11	5082	15-10	1605	Tue	235/00	USB	(MPJ)
E11	12153	16-10	0640	Wed	944/00	USB	(AB)
E11	17410	16-10	0745	Wed	346/00	USB	(AB-POL)
E11	19184	16-10	0820	Wed	136/00	USB	(AB-POL)
E11	6940	16-10	0930	Wed	276/00	USB	(AB)
E11	7317	16-10	1045	Wed	692/00	USB	(AB)
E11	6923	16-10	1625	Wed	974/00	USB	(AB)
E11	4181	16-10	1705	Wed	399/00	USB	(AB)
E11	10800	17-10	0645	Thu	519/00	USB	(AB)
E11	5941	17-10	0820	Thu	430/00	USB	(AB)
E11	12202	17-10	0845	Thu	152/00	USB	(AB)

E11	6940	17-10	0940	Thu	279/00	USB	(AB)
E11	10330	17-10	1530	Thu	269/00	USB	(AB)
E11	7864	17-10	1730	Thu	411/00	USB	(AB)
E11	7317	17-10	1900	Thu	646/00	USB	(AB-POL)
E11	8180	18-10	0700	Fri	576/00	USB	(AB)
E11	5941	18-10	0820	Fri	431/00	USB	(AB)
E11	5737	18-10	1530	Fri	524/00	USB	(AB)
E11	11116	18-10	1650	Fri	921/00	USB	(AB)
E11	8102	19-10	0710	Sat	497/00	USB	(AB)
E11	5371	19-10	0805	Sat	316/00	USB	(AB)
E11	14972	19-10	1345	Sat	914/00	USB	(AB)
E11	4181	19-10	1705	Sat	399/00	USB	(AB)
E11	4505	19-10	1930	Sat	369/00	USB	(AB)
E11	8102	20-10	0710	Sun	496/00	USB	(AB)
E11	5371	20-10	0805	Sun	312/00	USB	(AB)
E11	5082	20-10	1605	Sun	237/00	USB	(MPJ)
E11	6923	20-10	1625	Sun	972/00	USB	(MPJ)
E11	11116	20-10	1650	Sun	927/00	USB	(AB)
E11	8530	20-10	1910	Sun	614/00	USB	(AB)
E11	4505	20-10	1930	Sun	368/00	USB	(AB)
E11	13873	21-10	0600	Mon	182/00	USB	(AB)
E11	12153	21-10	0640	Mon	941/00	USB	(AB)
E11	10213	21-10	0745	Mon	260/00	USB	(AB)
E11	8180	21-10	0900	Mon	534/00	USB	(AB)
E11	7317	21-10	1045	Mon	698/00	USB	(AB)
E11	13470	21-10	1745	Mon	240/00	USB	(AB-POL/MPJ-RUS)
E11	10800	22-10	0645	Tue	518/00	USB	(AB)
E11	8180	22-10	0700	Tue	576/00	USB	(AB)
E11	19184	22-10	0820	Tue	136/00	USB	(AB-POL)
E11	7317	22-10	1000	Tue	309/00	USB	(AB)
E11	6923	22-10	1205	Tue	463/00	USB	(AB/MPJ)
E11	5082	22-10	1605	Tue	230/00	USB	(AB/MPJ)
E11	12153	23-10	0640	Wed	944/00	USB	(AB-POL)
E11	17410	23-10	0745	Wed	349/00	USB	(AB)
E11	19184	23-10	0820	Wed	133/00	USB	(AB-POL)
E11	8180	23-10	0900	Wed	535/00	USB	(AB)
E11	6940	23-10	0930	Wed	271/00	USB	(AB)
E11	7317	23-10	1045	Wed	690/00	USB	(AB)
E11	6923	23-10	1205	Wed	462/00	USB	(AB/MPJ)
E11	6923	23-10	1625	Wed	976/00	USB	(AB)

E11	4181	23-10	1705	Wed	390/00	USB	(AB)
E11	10800	24-10	0645	Thu	517/00	USB	(AB)
E11	5941	24-10	0820	Thu	432/00	USB	(AB)
E11	6940	24-10	0940	Thu	276/00	USB	(AB)
E11	10330	24-10	1530	Thu	267/00	USB	(AB)
E11	13873	25-10	0600	Fri	188/00	USB	(AB-POL)
E11	8180	25-10	0700	Fri	577/00	USB	(AB)
E11	17410	25-10	0745	Fri	340/00	USB	(AB)
E11	5941	25-10	0820	Fri	432/00	USB	(AB)
E11	7317	25-10	1000	Fri	304/00	USB	(AB)
E11	8530	25-10	1910	Fri	614/00	USB	(MPJ)
E11	8102	26-10	0710	Sat	496/00	USB	(AB)
E11	5371	26-10	0805	Sat	311/00	USB	(AB)
E11	4181	26-10	1705	Sat	391/00	USB	(AB/MPJ)
E11	4505	26-10	1930	Sat	369/00	USB	(AB)
E11	8102	27-10	0710	Sun	492/00	USB	(AB)
E11	5371	27-10	0805	Sun	310/00	USB	(AB)
E11	5082	27-10	1605	Sun	233/00	USB	(AB/MPJ)
E11	6923	27-10	1625	Sun	975/00	USB	(AB/MPJ)
E11	13470	27-10	1745	Sun	247/00	USB	(AB)
E11	8530	27-10	1910	Sun	618/00	USB	(AB/MPJ)
E11	4505	27-10	1930	Sun	369/00	USB	(AB)
E11	5371	28-10	0450	Mon	416/00	USB	(AB-POL)
E11	13873	28-10	0600	Mon	182/00	USB	(AB-POL)
E11	8180	28-10	0900	Mon	535/00	USB	(AB)
E11	5737	28-10	1530	Mon	522/00	USB	(AB)
E11	7317	28-10	1900	Mon	647/00	USB	(AB/MPJ)
E11	8180	29-10	0700	Tue	570/00	USB	(AB)
E11	9963	29-10	0715	Tue	639/00	USB	(AB)
E11	19184	29-10	0820	Tue	131/00	USB	(AB-POL)
E11	12202	29-10	0845	Tue	151/00	USB	(AB)
E11	7317	29-10	1000	Tue	304/00	USB	(AB)
E11	6923	29-10	1205	Tue	466/00	USB	(AB/MPJ)
E11	14972	29-10	1345	Tue	912/00	USB	(AB-POL/MPJ)
E11	5082	29-10	1605	Tue	235/00	USB	(AB/MPJ)
E11	12153	30-10	0640	Wed	946/00	USB	(AB)
E11	17410	30-10	0745	Wed	344/00	USB	(AB)
E11	19184	30-10	0820	Wed	131/00	USB	(AB)
E11	8180	30-10	0900	Wed	536/00	USB	(AB)
E11	6940	30-10	0930	Wed	277/00	USB	(AB)

<b>E11</b>	6923	30-10	1205	Wed	462/00	USB	(AB/MPJ)
<b>E11</b>	6923	30-10	1625	Wed	970/00	USB	(AB/MPJ)
<b>E11</b>	4181	30-10	1705	Wed	395/00	USB	(AB/GHn)
<b>E11</b>	5941	31-10	0820	Thu	431/00	USB	(AB)
<b>E11</b>	12202	31-10	0845	Thu	157/00	USB	(AB)
<b>E11</b>	6940	31-10	0940	Thu	277/00	USB	(AB)
<b>E11</b>	10330	31-10	1530	Thu	264/00	USB	(AB/GHn/MPJ)
<b>E11</b>	7864	31-10	1730	Thu	413/00	USB	(AB/MPJ)
<b>E11</b>	7317	31-10	1900	Thu	644/00	USB	(AB/MPJ)
<b>E11a</b>	6923	2-10	1625	Wed	970/38 Attention 88395 29059 64742 ... 97021 64846 18846 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	8530	4-10	1910	Fri	617/37 Attention 04971 82815 99947 ... 46878 35477 81520 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	8102	5-10	0710	Sat	497/33 Attention 54968 74347 32073 ... 01190 31048 03059 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8102	6-10	0710	Sun	497/33 Attention 54968 74347 32073 ... 01190 31048 03059 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6923	6-10	1625	Sun	970/38 Attention 88395 29059 64742 ... 97021 64846 18846 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	8530	6-10	1910	Sun	617/37 Attention 04971 82815 99947 ... 46878 35477 81520 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	12153	7-10	0640	Mon	942/39 Attention 99006 49097 20054 ... 35275 04914 04192 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	10213	7-10	0745	Mon	260/38 Attention 40380 90645 91763 ... 13054 93819 05767 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13470	7-10	1745	Mon	242/31 Attention 81528 91039 81152 ... 56028 55470 06645 Attention (message repeated) Out	USB	(AB-POL/MPJ-AUT)
<b>E11a</b>	8180	8-10	0700	Tue	575/34 Attention 01306 56770 83834 ... 45021 55925 21680 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	19184	8-10	0820	Tue	133/34 Attention 48565 60329 97066 ... 81713 58717 32309 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	5082	8-10	1605	Tue	235/39 Attention 76398 60187 02515 ... 70540 96955 90268 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	12153	9-10	0640	Wed	942/39 Attention 99006 49097 20054 ... 35275 04914 04192 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	17410	9-10	0745	Wed	348/32 Attention 85574 07846 84236 ... 18196 79031 53678 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	19184	9-10	0820	Wed	133/34 Attention 48565 60329 97066 ... 81713 58717 32309 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	6940	9-10	0930	Wed	276/40 Attention 61308 25108 35351 ... 35145 29115 80927 Attention (message repeated)	USB	(AB)

					Out		
<b>E11a</b>	4181	9-10	1705	Wed	399/32 Attention 42200 89390 57883 ... 39411 14613 66651 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5941	10-10	0820	Thu	430/32 Attention 36546 06437 71834 ...21954 76032 33730 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6940	10-10	0940	Thu	276/40 Attention 61308 25108 35351 ... 35145 29115 80927 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10330	10-10	1530	Thu	260/38 Attention 40380 90645 91763 ... 13054 93819 05767 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	8180	11-10	0700	Fri	575/34 Attention 01306 56770 83834 ... 45021 55925 21680 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	17410	11-10	0745	Fri	348/32 Attention 85574 07846 84236 ... 18196 79031 53678 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	5941	11-10	0820	Fri	430/32 Attention 36546 06437 71834 ...21954 76032 33730 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5371	12-10	0805	Sat	312/37 Attention 10378 65085 80892 ... 75951 85302 96563 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4181	12-10	1705	Sat	399/32 Attention 42200 89390 57883 ... 39411 14613 66651 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	4505	12-10	1930	Sat	368/37 Attention 05788 04959 79258 ... 68149 38044 89229 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5371	13-10	0805	Sun	312/37 Attention 10378 65085 80892 ... 75951 85302 96563 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5082	13-10	1605	Sun	235/39 Attention 76398 60187 02515 ... 70540 96955 90268 Attention (message repeated) Out	USB	(MPJ)
<b>E11a</b>	4505	13-10	1930	Sun	368/37 Attention 05788 04959 79258 ... 68149 38044 89229 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13873	14-10	0600	Mon	185/34 Attention 03587 34722 94951 ... 22435 31472 26147 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	8180	14-10	0900	Mon	536/33 Attention 31255 89763 53212 ... 38181 43196 02705 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7317	15-10	1000	Tue	300/35 Attention 56794 75373 18663 ... 75624 26836 47515 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6923	15-10	1205	Tue	469/39 Attention 06050 45306 10729 ... 78325 97899 58117 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	6923	16-10	1205	Wed	469/39 Attention 06050 45306 10729 ... 78325 97899 58117 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13873	18-10	0600	Fri	185/34 Attention 03587 34722 94951 ... 22435 31472 26147 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7317	18-10	1000	Fri	300/35 Attention 56794 75373 18663 ... 75624 26836 47515 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5371	21-10	0450	Mon	418/32 Attention 90524 00086 66287 ... 84743 55053 96275 Attention (message repeated)	USB	(AB-POL)

					Out		
<b>E11a</b>	5737	21-10	1530	Mon	527/34 Attention 33542 73995 48162 3... 61629 70169 81151 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
<b>E11a</b>	7317	21-10	1900	Mon	646/35 Attention 19600 52409 06619 ... 92817 87271 66013 01355 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	9963	22-10	0715	Tue	635/32 Attention 67343 65299 89041 ... 01951 50693 78963 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12202	22-10	0845	Tue	157/39 Attention 63865 29131 04825 ... 68432 49381 32109 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14972	22-10	1345	Tue	919/34 Attention 75470 69370 63684 ... 08106 06218 01740 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	12202	24-10	0845	Thu	157/39 Attention 63865 29131 04825 ... 68432 49381 32109 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7864	24-10	1730	Thu	418/32 Attention 90524 00086 66287 ... 84743 55053 96275 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	7317	24-10	1900	Thu	646/35 Attention 19600 52409 06619 ... 87271 66013 01355 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	5779	25-10	0315	Fri	358/36 Attention 53362 ...	USB	(AB)
<b>E11a</b>	9963	25-10	0715	Fri	635/32 Attention 67343 65299 89041 ... 01951 50693 78963 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5737	25-10	1530	Fri	527/34 Attention 33542 73995 48162 ... 61629 70169 81151 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	11116	25-10	1650	Fri	925/32 Attention 84498 53191 25222 ... 71451 87864 25245 Out	USB	(MPJ)
<b>E11a</b>	14972	26-10	1345	Sat	919/34 Attention 75470 69370 63684 ... 08106 06218 01740 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5779	27-10	0435	Sun	358/36 Attention 53362 ...	USB	(HFD)
<b>E11a</b>	11116	27-10	1650	Sun	925/32 Attention 84498 53191 25222 ... 71451 87864 25245 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	7317	28-10	1045	Mon	691/23 Attention 07804 44151 57572 ... 84179 23344 76654 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10800	29-10	0645	Tue	511/34 Attention 63681 52332 82213 ... 68824 60177 94297 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7317	30-10	1045	Wed	691/23 Attention 07804 44151 57572 ... 84179 23344 76654 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10800	31-10	0645	Thu	511/34 Attention 63681 52332 82213 ... 68824 60177 94297 Attention (message repeated) Out	USB	(AB)
<b>E17z</b>	14261	3-10	0800	Thu	217 503 6 65962 57057 54661 01212 01586 49656 503 6 00000	AM/USB	(AB-FIN)
<b>E17z</b>	12931	3-10	0810	Thu	217 503 6 65962 57057 54661 01212 01586 49656 503 6 00000	AM/USB	(AB-FIN)
<b>E17z</b>	14261	10-10	0800	Thu	217 503 6 65962 57057 54661 01212 01586 49656 503 6 00000	AM/USB	(AB)
<b>E17z</b>	12931	10-10	0810	Thu	217 503 6 65962 57057 54661 01212 01586 49656 503 6 00000	AM/USB	(AB)





<b>F01</b>	7344	30-10	1035	Wed	Russian diplo/intel. 14067 83120 93454 ... 09958 84405 75427 00000	FSK 200/500	(AB)
<b>F01</b>	11129	31-10	1015	Thu	Russian diplo/intel. Two messages: 09139 03439 43205 ... 31144 71238 76109 00000 and 21548 65681 47295 ... 09035 58161 77089 00000	FSK 200/500	(AB)
<b>F01</b>	9082	31-10	1025	Thu	Russian diplo/intel. Two messages: 09139 03439 43205 ... 31144 71238 76109 00000 and 21548 65681 47295 ... 09035 58161 77089 00000	FSK 200/500	(AB)
<b>F01</b>	7344	31-10	1035	Thu	Russian diplo/intel. Two messages: 09139 03439 43205 ... 31144 71238 76109 00000 and 21548 65681 47295 ... 09035 58161 77089 00000	FSK 200/500	(AB)
<b>F03a</b>	18030	1-10	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	1-10	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	1-10	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	1-10	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	2-10	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	2-10	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	2-10	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	2-10	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	3-10	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	3-10	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	3-10	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	3-10	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	4-10	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	4-10	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	19515	7-10	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	19515	7-10	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	7-10	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	7-10	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	8-10	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	8-10	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	8-10	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	8-10	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	19515	9-10	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	19515	9-10	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	9-10	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03a</b>	18030	9-10	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03a</b>	15915	9-10	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	9-10	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	10-10	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	10-10	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	10-10	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	10-10	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	11-10	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)

F03a	15915	11-10	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	19515	14-10	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	14-10	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	14-10	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	7798	14-10	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	18030	15-10	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	15-10	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	15-10	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	15-10	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	16-10	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	16-10	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	18030	16-10	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	18030	16-10	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	15915	16-10	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	16-10	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	17-10	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	17-10	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	17-10	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	17-10	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	18-10	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	18-10	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	21-10	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	21-10	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	21-10	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	21-10	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	22-10	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	22-10	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	23-10	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	23-10	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	18030	23-10	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	18030	23-10	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	15915	23-10	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	23-10	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	24-10	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	24-10	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	24-10	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	24-10	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	25-10	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	15915	25-10	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	19515	28-10	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

<b>F03a</b>	19515	28-10	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03a</b>	7798	28-10	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	28-10	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	29-10	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	29-10	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	29-10	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	29-10	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	19515	30-10	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03a</b>	19515	30-10	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
<b>F03a</b>	18030	30-10	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	18030	30-10	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	30-10	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	15915	30-10	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	31-10	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7840	31-10	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	31-10	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03a</b>	7798	31-10	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03b</b>	5844	3-10	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	3-10	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	9-10	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	9-10	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	10-10	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	10-10	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	16-10	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	16-10	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	17-10	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	17-10	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	23-10	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	23-10	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB-POL)
<b>F03b</b>	5844	24-10	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03b</b>	5844	24-10	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
<b>F03j</b>	13046	1-10	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	13046	1-10	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	11450	1-10	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB-POL)
<b>F03j</b>	11450	1-10	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB-POL)
<b>F03j</b>	8305	3-10	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	8305	3-10	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	13046	3-10	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	13046	3-10	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
<b>F03j</b>	8305	8-10	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)

F03j	8305	8-10	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	8-10	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	8-10	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	10-10	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	10-10	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	10-10	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	10-10	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	15-10	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	15-10	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	15-10	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	15-10	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	17-10	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	17-10	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	17-10	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	17-10	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	22-10	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	22-10	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	22-10	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	22-10	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	24-10	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	24-10	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	24-10	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	24-10	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	29-10	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	29-10	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	29-10	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	29-10	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	31-10	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	31-10	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F06	12215	1-10	1650	Tue	11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	10814	1-10	1700	Tue	11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9046	1-10	1710	Tue	11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	19268	2-10	0600	Wed	Russian diplo/intel. Header: 11166 40122 36972 28052 03709	FSK 200/1000	(AB-PHL)
F06	17548	2-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 36972 28052 03709	FSK 200/1000	(AB-J)
F06	15779	2-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 36972 28052 03709	FSK 200/1000	(AB-J)
F06	15779	3-10	0620	Thu	Russian diplo/intel. Header: 11166 40122 36972 28052 03709	FSK 200/1000	(AB-J)
F06	10473	3-10	0800	Thu	Russian diplo/intel. 11166 70048 14279 03016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8123	3-10	0810	Thu	Russian diplo/intel. 11166 70048 14279 03016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6874	3-10	0820	Thu	Russian diplo/intel. 11166 70048 14279 03016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15607	3-10	1330	Thu	Russian diplo/intel. 11166 80214 15378 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)





F06	10734	13-10	1540	Sun	Russian diplo/intel. 11166 10053 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9129	13-10	1550	Sun	Russian diplo/intel. 11166 10053 13579 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9166	15-10	0030	Tue	Russian diplo/intel. 11166 60070 24680 15075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7319	15-10	0040	Tue	Russian diplo/intel. 11166 60070 24680 15075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5969	15-10	0050	Tue	Russian diplo/intel. 11166 60070 24680 15075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	15-10	1650	Tue	Russian diplo/intel. Header: 11166 10053 73951 15070 01649	FSK 200/1000	(AB/MPJ)
F06	10814	15-10	1700	Tue	Russian diplo/intel. Header: 11166 10053 73951 15070 01649	FSK 200/1000	(AB/MPJ)
F06	9046	15-10	1710	Tue	Russian diplo/intel. Header: 11166 10053 73951 15070 01649	FSK 200/1000	(AB/MPJ)
F06	19268	16-10	0600	Wed	Russian diplo/intel. 11166 40122 12368 16014 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	17548	16-10	0610	Wed	Russian diplo/intel. 11166 40122 12368 16014 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	15779	16-10	0620	Wed	Russian diplo/intel. 11166 40122 12368 16014 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	10473	17-10	0800	Thu	Russian diplo/intel. 11166 70048 14279 17016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8123	17-10	0810	Thu	Russian diplo/intel. 11166 70048 14279 17016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6874	17-10	0820	Thu	Russian diplo/intel. 11166 70048 14279 17016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15607	17-10	1330	Thu	Russian diplo/intel. 11166 80214 23568 17034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13376	17-10	1340	Thu	Russian diplo/intel. 11166 80214 23568 17034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11108	17-10	1350	Thu	Russian diplo/intel. 11166 80214 23568 17034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20875	19-10	1500	Sat	Russian diplo/intel. 11166 40133 14279 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17511	19-10	1510	Sat	Russian diplo/intel. 11166 40133 14279 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15747	19-10	1520	Sat	Russian diplo/intel. 11166 40133 14279 19038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12189	20-10	1530	Sun	Russian diplo/intel. Header: 11166 10053 93457 18066 01789	FSK 200/1000	(AB/MPJ)
F06	10734	20-10	1540	Sun	Russian diplo/intel. Header: 11166 10053 93457 18066 01789	FSK 200/1000	(AB/MPJ)
F06	9129	20-10	1550	Sun	Russian diplo/intel. Header: 11166 10053 93457 18066 01789	FSK 200/1000	(AB/MPJ)
F06	6848	21-10	0400	Mon	Russian diplo/intel. 11166 70059 78965 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5433	21-10	0410	Mon	Russian diplo/intel. 11166 70059 78965 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4840	21-10	0420	Mon	Russian diplo/intel. 11166 70059 78965 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9166	22-10	0030	Tue	Russian diplo/intel. 11166 60070 56248 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	7319	22-10	0040	Tue	Russian diplo/intel. 11166 60070 56248 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5969	22-10	0050	Tue	Russian diplo/intel. 11166 60070 56248 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12215	22-10	1650	Tue	Russian diplo/intel. 11166 10053 13579 22071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	10814	22-10	1700	Tue	Russian diplo/intel. 11166 10053 13579 22071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	9046	22-10	1710	Tue	Russian diplo/intel. 11166 10053 13579 22071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	19268	23-10	0600	Wed	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-J)
F06	17548	23-10	0610	Wed	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-J)
F06	15779	23-10	0620	Wed	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-KOR)
F06	19986	23-10	0800	Wed	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	17549	23-10	0810	Wed	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	15654	23-10	0820	Wed	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	19476	23-10	0915	Wed	Russian diplo/intel. 11166 10031 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17458	23-10	0925	Wed	Russian diplo/intel. 11166 10031 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	15885	23-10	0935	Wed	Russian diplo/intel. 11166 10031 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11173	23-10	1210	Wed	Russian diplo/intel. Header: 11166 70202 75492 21024 02219	FSK 200/1000	(Danix)
F06	9246	23-10	1220	Wed	Russian diplo/intel. Header: 11166 70202 75492 21024 02219	FSK 200/1000	(Danix)
F06	19268	24-10	0600	Thu	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-J)
F06	17548	24-10	0610	Thu	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-J)
F06	15779	24-10	0620	Thu	Russian diplo/intel. Header: 11166 40122 34652 19055 04139	FSK 200/1000	(AB-KOR)
F06	12169	24-10	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 65203 23025 01779 and 11166 70202 84251 23026 01899	FSK 200/1000	(AB)
F06	10541	24-10	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 65203 23025 01779 and 11166 70202 84251 23026 01899	FSK 200/1000	(AB)
F06	19986	24-10	0800	Thu	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	17549	24-10	0810	Thu	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	15654	24-10	0820	Thu	Russian diplo/intel. Header: 11166 00052 83590 23047 01029	FSK 200/1000	(AB)
F06	13521	24-10	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 65203 23025 01779 and 11166 70202 84251 23026 01899	FSK 200/1000	(AB)
F06	11173	24-10	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 65203 23025 01779 and 11166 70202 84251 23026 01899	FSK 200/1000	(AB)
F06	9246	24-10	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 65203 23025 01779 and 11166 70202 84251 23026 01899	FSK 200/1000	(AB)
F06	15607	24-10	1330	Thu	Russian diplo/intel. 11166 80214 23568 24056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13376	24-10	1340	Thu	Russian diplo/intel. 11166 80214 23568 24056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11108	24-10	1350	Thu	Russian diplo/intel. 11166 80214 23568 24056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12169	25-10	0700	Fri	Russian diplo/intel. 11166 70202 74569 25035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10541	25-10	0710	Fri	Russian diplo/intel. 11166 70202 74569 25035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20875	26-10	1500	Sat	Russian diplo/intel. 11166 40133 97531 26038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	17511	26-10	1510	Sat	Russian diplo/intel. 11166 40133 97531 26038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	15747	26-10	1520	Sat	Russian diplo/intel. 11166 40133 97531 26038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-HNG/RL)
F06	12189	27-10	1530	Sun	Russian diplo/intel. 11166 10053 14279 27067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10734	27-10	1540	Sun	Russian diplo/intel. 11166 10053 14279 27067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9129	27-10	1550	Sun	Russian diplo/intel. 11166 10053 14279 27067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12169	28-10	0700	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(Danix)
F06	10541	28-10	0710	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(Danix)
F06	8113	28-10	0720	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(Danix)
F06	13521	28-10	1200	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(AB)
F06	11173	28-10	1210	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(AB)
F06	9246	28-10	1220	Mon	Russian diplo/intel. Header: 11166 70202 54682 25027 02539	FSK 200/1000	(AB)
F06	9166	29-10	0030	Tue	Russian diplo/intel. 11166 60070 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7319	29-10	0040	Tue	Russian diplo/intel. 11166 60070 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5969	29-10	0050	Tue	Russian diplo/intel. 11166 60070 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12169	29-10	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166	FSK 200/1000	(AB)



					70202 26987 28029 01639		
<b>F06</b>	10541	29-10	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166 70202 26987 28029 01639	FSK 200/1000	(AB)
<b>F06</b>	8113	29-10	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166 70202 26987 28029 01639	FSK 200/1000	(AB)
<b>F06</b>	13521	29-10	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166 70202 26987 28029 01639	FSK 200/1000	(AB)
<b>F06</b>	11173	29-10	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166 70202 26987 28029 01639	FSK 200/1000	(AB)
<b>F06</b>	9246	29-10	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 28028 01539 and 11166 70202 26987 28029 01639	FSK 200/1000	(AB)
<b>F06</b>	12215	29-10	1650	Tue	Russian diplo/intel. 11166 10053 56248 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
<b>F06</b>	10814	29-10	1700	Tue	Russian diplo/intel. 11166 10053 56248 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	9046	29-10	1710	Tue	Russian diplo/intel. 11166 10053 56248 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	19268	30-10	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-J)
<b>F06</b>	17548	30-10	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-J)
<b>F06</b>	15779	30-10	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-KOR)
<b>F06</b>	12169	30-10	0700	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	10541	30-10	0710	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	8113	30-10	0720	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	13521	30-10	1200	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	11173	30-10	1210	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	9246	30-10	1220	Wed	Russian diplo/intel. Header: 11100 70202 86412 29030 02219	FSK 200/1000	(AB)
<b>F06</b>	19268	31-10	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-J)
<b>F06</b>	17548	31-10	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-J)
<b>F06</b>	15779	31-10	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 13498 26056 02029 and 11166 40122 69871 26057 02849	FSK 200/1000	(AB-J)
<b>F06</b>	12169	31-10	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	10541	31-10	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	8113	31-10	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	10473	31-10	0800	Thu	Russian diplo/intel. 11166 70048 17935 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	8123	31-10	0810	Thu	Russian diplo/intel. 11166 70048 17935 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

<b>F06</b>	6874	31-10	0820	Thu	Russian diplo/intel. 11166 70048 17935 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	13521	31-10	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	11173	31-10	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	9246	31-10	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 61890 30031 01939 and 11166 70202 30917 30032 02399	FSK 200/1000	(AB)
<b>F06</b>	15607	31-10	1330	Thu	Russian diplo/intel. 11166 80214 23568 31037 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN/MPJ)
<b>F06</b>	13376	31-10	1340	Thu	Russian diplo/intel. 11166 80214 23568 31037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>F06</b>	11108	31-10	1350	Thu	Russian diplo/intel. 11166 80214 23568 31037 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
<b>G06</b>	5186	3-10	2030	Thu	891 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000	USB	(AB)
<b>G06</b>	6815	7-10	0800	Mon	329 329 329 00000	USB	(AB)
<b>G06</b>	4792	7-10	1650	Mon	111 111 111	USB	(AB)
<b>G06</b>	4792	7-10	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	4877	7-10	1800	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	5234	9-10	1200	Wed	145 145 145 00000	USB	(AB-RUS/MPJ)
<b>G06</b>	5412	9-10	1300	Wed	145 145 145 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	4598	10-10	1217	Thu	111 111 111 00000	USB	(AB)
<b>G06</b>	4598	10-10	1218	Thu	111 111 111 111 111 111	USB	(AB)
<b>G06</b>	4598	10-10	1237	Thu	111	USB	(AB)
<b>G06</b>	4598	10-10	1300	Thu	329 329 329 00000	USB	(AB)
<b>G06</b>	5934	10-10	1830	Thu	579 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	5442	11-10	1930	Fri	947 273 62 64537 27354 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/HFD)
<b>G06</b>	4792	14-10	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
<b>G06</b>	4877	14-10	1800	Mon	145 145 145 00000	USB	(AB/GHn/MPJ)
<b>G06</b>	5234	16-10	1200	Wed	145 145 145 00000	USB	(AB-POL)
<b>G06</b>	5412	16-10	1300	Wed	145 145 145 00000	USB	(AB-POL)
<b>G06</b>	6806	21-10	0800	Mon	329 329 329 00000 Windows shutdown sound	USB	(AB)
<b>G06</b>	4595	24-10	1300	Thu	329 329 329 00000	USB	(AB/MPJ)
<b>G06</b>	5934	24-10	1830	Thu	579 273 62 64537 27354 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/MPJ)
<b>G06</b>	5442	25-10	1930	Fri	947 273 62 64537 27354 28374 ... 64612 84759 76491 273 62 00000 Windows shut down sound	USB	(AB/MPJ)
<b>G06</b>	5934	26-10	1830	Thu	579 996 15 15832 ...	USB	(HFD)
<b>HM01</b>	11435	1-10	1600	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
<b>HM01</b>	11435	2-10	1600	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
<b>HM01</b>	11435	3-10	1556	Thu	15314 71771 65503 38017 47835 34252 Then at 1600z simultaneously the new groups and repeating of yesterday's groups preamble and RDFT	AM/RDFT	(RR2)
<b>HM01</b>	11530	3-10	1700	Thu	15314 71771 65503 38017 47835 34252 simultaneously the new groups and repeating of yesterday's groups preamble	AM/RDFT	(RR2)

HM01	11635	3-10	1830	Thu	15314 71771 65503 38017 47835 34252 mixing with 17 Sept. groups. After 8 minutes they only sent the 17 Sept. groups and files.	AM/RDFT	(AB-USA)
HM01	10860	4-10	0530	Fri	15314 71771 65503 38017 47835 34252 Files sent: 78884783.TXT 37433801.TXT 45736550.TXT 31607177.TXT 58121531.TXT 36243425.F1G	AM/RDFT	(AB-USA)
HM01	10345	4-10	0600	Fri	15314 71771 65503 38017 47835 34252	AM/RDFT	(AB-USA)
HM01	9330	4-10	0700	Fri	15314 71771 65503 38017 47835 34252	AM/RDFT	(AB-USA)
HM01	11435	4-10	1600	Fri	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(AB-USA)
HM01	11435	4-10	1630	Fri	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	11635	4-10	2100	Fri	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RL)
HM01	10715	4-10	2200	Fri	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RL)
HM01	11435	5-10	1600	Sat	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	9065	6-10	0800	Sun	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.) Two transmissions mixing	AM/RDFT	(AB)
HM01	11435	6-10	1600	Sun	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	11635	6-10	2100	Sun	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RL)
HM01	10715	6-10	2200	Sun	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RL)
HM01	11530	7-10	1700	Mon	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	11530	8-10	1700	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	9-10	1600	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	9-10	2100	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11435	10-10	1600	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	11-10	1600	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	11-10	2100	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11435	12-10	1600	Sat	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	11530	12-10	1700	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(W9SPY)
HM01	9065	13-10	0800	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB)
HM01	11435	13-10	1600	Sun	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	10715	13-10	2200	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(Dan)
HM01	11435	14-10	1600	Mon	15314 71771 65503 38017 47835 34252 (repeating groups of 3 Oct.)	AM/RDFT	(RR2)
HM01	11530	15-10	1700	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	16-10	1600	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11462	17-10	0900	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB)
HM01	11435	17-10	1600	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	18-10	1600	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	19-10	1600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	20-10	1600	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	21-10	1600	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	21-10	2100	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11530	22-10	1700	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	23-10	1800	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	10715	23-10	2200	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)

HM01	11530	24-10	1700	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	16180	24-10	2100	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11530	25-10	1700	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	25-10	2100	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	10715	25-10	2200	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11530	26-10	1549	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(BW3)
HM01	11435	26-10	1600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	27-10	1600	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11530	28-10	1700	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	29-10	1600	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11635	30-10	1800	Wed	Mixing old and new groups: 66012 17241 10803 16171 10125 67090 and 77231 60159 01302 43608 76835 73649	AM/RDFT	(RR2)
HM01	11635	30-10	2100	Wed	Mixing old and new groups: 66012 17241 10803 16171 10125 67090 and 77231 60159 01302 43608 76835 73649	AM/RDFT	(AB-USA)
HM01	10715	30-10	2200	Wed	Mixing old and new groups: 66012 17241 10803 16171 10125 67090 and 77231 60159 01302 43608 76835 73649	AM/RDFT	(Dan)
HM01	12180	31-10	1000	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB-USA)
HM01	11635	31-10	1800	Thu	Mix of 66012 17241 10803 16171 10125 67090 (groups of 17-9) and 77231 60159 01302 43608 76835 73649 (groups of 30-10)	AM/RDFT	(RR2)
HM01	17480	31-10	2200	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(Dan)
M01	5475	1-10	1800	Tue	463 761 761 30 30 = = 69259 97459 58391 ... 18591 19871 60065 = = 761 761 30 30 000	CW	(AB/MPJ)
M01	5475	3-10	1800	Thu	463 117 117 = 30 30 = = 65074 12477 19369 ... 66571 22603 17855 = = 117 117 = 30 30 000	CW	(MPJ)
M01	5020	3-10	2000	Thu	463 713 713 = 30 30 = = 51456 94611 89816 ... 12030 11879 44755 = = 713 713 30 30 000	CW	(AB)
M01	6260	5-10	1500	Sat	463 712 712 30 30 = = 36444 98334 54539 ... 46737 4737 0827 0847 37036 37036 = = 712 712 30 30 000	CW	(AB/MPJ)
M01	6510	6-10	0700	Sun	463 861 861 30 30 = = 25144 96788 53052 ... 96687 17103 49536 = = 861 861 30 30 000	CW	(AB/ES-HOL)
M01	5475	8-10	1800	Tue	463 643 407 407 30 30 = = 57514 57514 56815 56815 87375 ... 82532 07546 07546 = = 407 407 30 30 000	CW	(AB/MPJ)
M01	5020	8-10	2000	Tue	463 810 810 30 30 = = 37431 37431 96333 96333 16414 ... 648 26206 26206 64111 64111 = = 810 810 30 30 000	CW	(AB)
M01	5475	10-10	1800	Thu	463 489 489 30 30 = = 19980 39202 (193234) ... 65555 81206 (81206) = = 489 489 30 30 000	CW	(AB/MPJ)
M01	5020	10-10	2000	Thu	463 ...	CW	(AB)
M01	6260	12-10	1500	Sat	463 335 335 30 30 = = 71193 54558 72609 ... 41283 23268 55563 = = 335 335 30 30 000	CW	(AB/MPJ/ES-HOL)
M01	6510	13-10	0700	Sun	463 373 373 30 30 = = 55212 17274 35844 ... 37923 65 65814 64 08 0181 358 then off	CW	(AB/ES-HOL)
M01	5475	15-10	1800	Tue	463 607 607 = 30 30 = 57109 68353 44350 ... 21405 80153 89151 = = 607 607 = 30 30 000	CW	(MPJ)
M01	5020	15-10	2000	Tue	463 205 205 = 30 30 = = 87062 63000 15302 ... 51953 22382 85273 = = 205 205 = 30 30 000	CW	(AB)
M01	5020	17-10	2000	Thu	463 521 521 30 30 = = 48883 55033 66987 ... 51EE52152 52152 12839 86546 93760 01836 50689 = = 521 521 30 300 000	CW	(AB)
M01	6510	20-10	0700	Sun	463 611 30 611 30 = 43241 34645 35817 ... 11524 35162 48652 = 6 AAA AAA = 611 3929 HH 611 30 000	CW	(ES-HOL)

<b>M01</b>	5475	22-10	1800	Tue	463 281 281 30 30 == 18724 51894 07661 ... 10775 89456 60805 == 281 281 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5020	22-10	2000	Tue	463 716 716 30 30 == = 87916 54366 39224 ... 39953 51188 21329 == 716 716 30 30 000	CW	(AB)
<b>M01</b>	5475	24-10	1800	Thu	463 329 329 393 30 / = = 70500 47059 38734 ... 04765 30691 50343 == 329 329 30 30 000	CW	(AB/MPJ)
<b>M01</b>	6960	26-10	1500	Sat	463 147 147 30 30 == = 40851 83449 0833310 (08310) ... 72125 59022 20358 = = 147 147 30 30 000	CW	(AB/MPJ)
<b>M01</b>	6510	27-10	0700	Sun	463 250 250 = 30 30 = = 55026 72857 38790 ... 89424 54449 25235 = = 250 250 = 30 30 000	CW	(AB/ES)
<b>M01</b>	5475	29-10	1800	Tue	463 411 411 30 30 = = 13755 21211 04569 ... 73617 64511 72777 = = 411 411 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5020	29-10	2000	Tue	463 438 438 30 30 = = 36856 95614 88770 ... 38929 96735 10729 = = 438 438 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5475	31-10	1800	Thu	463 211 211 = 30 30 = = 84608 01761 79832 ... 38009 60476 70337 = = 211 211 = 30 30 000	CW	(AB/MPJ)
<b>M01</b>	5020	31-10	2000	Thu	463 617 617 = 30 30 = = 54767 57018 81568 ... 69601 17952 47491 = = 617 617 30 30 000	CW	(AB/MPJ)
<b>M01a</b>	4614	15-10	0737	Tue	333 67018 67018 (R3) 333 67318 67318 (R3) 111 000	CW	(ES-POL)
<b>M01a</b>	4614	15-10	1051	Tue	513 513 513 333 67492 67492 (R3) 333 67679 67679 (R2) 111 000	CW	(ES-POL)
<b>M01a</b>	4614	15-10	1105	Tue	513 513 513 67367 (R2) 333 67679 67679 (R2) 111 111 000	CW	(ES-POL)
<b>M01a</b>	4337	22-10	0955	Tue	451 451 451 50640 50640 (R2) 451 111 000 111 000	CW	(ES-POL)
<b>M01a</b>	4337	22-10	0955	Tue	i.p. 333 03	CW	(ES-POL)
<b>M01a</b>	5859	22-10	1017	Tue	i.p. 64281 000	CW	(ES-POL)
<b>M01a</b>	4788	22-10	1152	Tue	i.p. 10519 10519 628 628 628 10519 10519 628 628 628 10009 10009 (R4)	CW	(ES-POL)
<b>M01a</b>	6781	22-10	1222	Tue	i.p. 812 812 812 22730 22730 (R7) 812 812 812 000	CW	(ES-HOL)
<b>M01a</b>	3882	23-10	1403	Wed	598 (x3) 79068 (x2) and 111 000	CW	(F5JBR)
<b>M01a</b>	3882	23-10	1411	Wed	598 (x3) 79153 (x2) and 598 (x3) 79013 (x2) and 598 (x3) 000	CW	(F5JBR)
<b>M01a</b>	5390	23-10	1427	Wed	929 (x3) 88505 (x2) and	CW	(F5JBR)
<b>M01a</b>	4442	24-10	0658	Thu	i.p. 29935 = 132 30 111 132 30 111 33 333 211 33 29935 000	CW	(F5JBR)
<b>M01a</b>	4442	24-10	0658	Thu	IN PROGRESS 29935 = 132 30 and 111 132 30 and 111 33 and 333 211 33 29935 and 000	CW	(F5JBR)
<b>M01a</b>	5390	24-10	1427	Thu	929 929 929 88505 88505	CW	(F5JBR)
<b>M01a</b>	5360	29-10	1009	Tue	747 747 747 41052 41052 (R5) 111 999 523 12 = 96492 86220 39296 79493 81691 ...	CW	(ES-POL)
<b>M01a</b>	4476	30-10	0820	Wed	i.p. 929 9 929 929 929 98857 98857	CW	(ES-POL)
<b>M01a</b>	4454	30-10	0847	Wed	i.p. 346 346 346 81846 81846 (R3) 346 346 346 81956 81956 (R4) 346 346 346 81956 81956 000	CW	(ES-POL)
<b>M01a</b>	4454	30-10	0946	Wed	702 7 346 346 346 81246 81246 (R4) 346 346 346 81246 8124 111 000	CW	(ES-POL)
<b>M01a</b>	4454	30-10	1040	Wed	346 346 346 82385 82385 (R4) 346 3 346 346 346 82385 82385 (R3) 346 346 346 8238 000	CW	(ES-POL)
<b>M01a</b>	4454	30-10	1054	Wed	346 346 346 82375 82375 346 346 346 82375 111 000 46 (R1m15s)	CW	(ES-POL)
<b>M01a</b>	4454	30-10	1136	Wed	346 346 346 82352 82352 346 346 346 82352 82352 346 346 346 82352 346 346 346 82352 82352 (R5) 346 346 346 82452 82452 (R3) 34 000	CW	(ES-POL)
<b>M01a</b>	4476	30-10	1318	Wed	Test Tone/9 (Digit sent over tone) 929 929 929 929 99712 99712 (R3) 333 90911 90911 111 000	CW	(ES-POL)
<b>M01b</b>	3510	3-10	1832	Thu	201 391 391 31 31 = = 60044 96307 55158 ... 48613 90392 64918 = = 391 391 31 31 000 //4605 kHz	MCW	(MPJ/HFD)
<b>M01b</b>	4605	3-10	1832	Thu	201 off during the callup //3510 kHz	MCW	(MPJ/HFD)
<b>M01b</b>	3715	3-10	1940	Thu	477 391 391 31 31 = = 60044 96307 55158 ... 48613 90392 64918 = = 391 391 31 31 000 //4570 kHz	MCW	(HFD)

<b>M01b</b>	4570	3-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3715 kHz	MCW	(HFD)
<b>M01b</b>	3625	4-10	1902	Fri	153 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4940 kHz	MCW	(MPJ)
<b>M01b</b>	4940	4-10	1902	Fri	153 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3625 kHz	MCW	(MPJ)
<b>M01b</b>	3520	4-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4585 kHz	MCW	(AB)
<b>M01b</b>	4585	4-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3520 kHz	MCW	(AB)
<b>M01b</b>	3535	7-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4590 kHz	CW	(AB/MPJ)
<b>M01b</b>	4590	7-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3535 kHz	CW	(AB/MPJ)
<b>M01b</b>	3645	7-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4455 kHz	CW	(AB/MPJ)
<b>M01b</b>	4455	7-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3645 kHz	CW	(AB/MPJ)
<b>M01b</b>	3510	10-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4605 kHz	MCW	(AB/MPJ)
<b>M01b</b>	4605	10-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3510 kHz	MCW	(AB/MPJ)
<b>M01b</b>	3715	10-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4570 kHz	MCW	(AB)
<b>M01b</b>	4570	10-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3715 kHz	MCW	(AB)
<b>M01b</b>	3625	11-10	1902	Fri	153 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4940 kHz	MCW	(AB/MPJ)
<b>M01b</b>	4940	11-10	1902	Fri	153 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3625 kHz	MCW	(AB/MPJ)
<b>M01b</b>	3520	11-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4585 kHz	MCW	(AB)
<b>M01b</b>	4585	11-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3520 kHz	MCW	(AB)
<b>M01b</b>	3535	14-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4590 kHz	CW	(AB/MPJ)
<b>M01b</b>	4590	14-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3535 kHz	CW	(AB/MPJ)
<b>M01b</b>	3645	14-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4455 kHz	CW	(AB)



<b>M01b</b>	4455	14-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3645 kHz	CW	(AB)
<b>M01b</b>	3510	17-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4605 kHz	MCW	(AB)
<b>M01b</b>	4605	17-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3510 kHz	MCW	(AB)
<b>M01b</b>	3715	17-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4570 kHz	MCW	(AB)
<b>M01b</b>	4570	17-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3715 kHz	MCW	(AB)
<b>M01b</b>	3520	18-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4585 kHz	MCW	(AB)
<b>M01b</b>	4585	18-10	2010	Fri	582 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3520 kHz	MCW	(AB)
<b>M01b</b>	3535	21-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4590 kHz	CW	(AB/MPJ)
<b>M01b</b>	4590	21-10	1810	Mon	420 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3535 kHz	CW	(AB/MPJ)
<b>M01b</b>	3645	21-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4455 kHz	CW	(AB/MPJ)
<b>M01b</b>	4455	21-10	1915	Mon	771 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3645 kHz	CW	(AB/MPJ)
<b>M01b</b>	3510	24-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4605 kHz	MCW	(AB/MPJ)
<b>M01b</b>	4605	24-10	1832	Thu	201 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3510 kHz	MCW	(AB/MPJ)
<b>M01b</b>	3715	24-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4570 kHz	MCW	(AB)
<b>M01b</b>	4570	24-10	1940	Thu	477 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3715 kHz	MCW	(AB)
<b>M01b</b>	3625	25-10	1902	Fri	(Callup missed) 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //4940 kHz	MCW	(MPJ)
<b>M01b</b>	4940	25-10	1902	Fri	(Callup missed) 391 391 31 31 == 60044 96307 55158 ... 48613 90392 64918 == 391 391 31 31 000 //3625 kHz	MCW	(MPJ)
<b>M01b</b>	3645	28-10	1915	Mon	Carrier only //4455 kHz	CW	(AB/MPJ)
<b>M01b</b>	4455	28-10	1915	Mon	Carrier only //3645 kHz	CW	(AB/MPJ)
<b>M12</b>	7464	1-10	0500	Tue	413 413 413 000	CW	(ES-HOL)
<b>M12</b>	8164	1-10	0520	Tue	413 413 413 000	CW	(ES-HOL)
<b>M12</b>	9317	1-10	0530	Tue	135 1 9130 109 06760 42482 ... 31672 38361 000 000	CW	(ES-HOL)
<b>M12</b>	10484	1-10	0550	Tue	135 1 9130 109 06760 42482 ... 31672 38361 000 000	CW	(ES-HOL)

<b>M12</b>	11552	1-10	0610	Tue	135 1 9130 109 06760 42482 ... 31672 38361 000 000	CW	(ES-HOL)
<b>M12</b>	11435	1-10	1800	Tue	938 938 938 1 2714 105 2714 105 09684 31143 14027 ... 26256 72497 75830 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	1-10	1820	Tue	938 938 938 1 2714 105 2714 105 09684 31143 14027 ... 26256 72497 75830 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	1-10	1840	Tue	938 938 938 1 2714 105 2714 105 09684 31143 14027 ... 26256 72497 75830 000 000	CW	(AB/MPJ)
<b>M12</b>	11416	2-10	1210	Wed	442 442 442 000	CW	(AB/MPJ)
<b>M12</b>	13416	2-10	1230	Wed	442 442 442 000	CW	(AB/MPJ)
<b>M12</b>	18639	2-10	1400	Wed	648 648 648 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-AUT/MPJ)
<b>M12</b>	17439	2-10	1420	Wed	648 648 648 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-POL/MPJ)
<b>M12</b>	15839	2-10	1440	Wed	648 648 648 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-POL/MPJ)
<b>M12</b>	12162	2-10	1710	Wed	546 546 546 1 7084 107 7084 107 98985 66976 09014 ... 62939 93427 96352 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	11566	2-10	1730	Wed	546 546 546 1 7084 107 7084 107 98985 66976 09014 ... 62939 93427 96352 000 000	CW	(AB-POL/MPJ)
<b>M12</b>	10711	2-10	1750	Wed	546 546 546 1 7084 107 7084 107 98985 66976 09014 ... 62939 93427 96352 000 000	CW	(AB-POL/MPJ)
<b>M12</b>	10984	2-10	1950	Wed	930 930 930 000	CW	(AB)
<b>M12</b>	9384	2-10	2010	Wed	930 930 930 000	CW	(AB)
<b>M12</b>	12162	3-10	1700	Thu	546 546 546 1 8119 111 8119 111 64812 61187 18733 ... 16621 66963 25133 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	11566	3-10	1720	Thu	546 546 546 1 8119 111 8119 111 64812 61187 18733 ... 16621 66963 25133 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	10711	3-10	1740	Thu	546 546 546 1 8119 111 8119 111 64812 61187 18733 ... 16621 66963 25133 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	12162	3-10	1800	Thu	546 546 546 1 9088 112 9088 112 17181 54121 04667 ... 36858 99300 02714 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	11566	3-10	1820	Thu	546 546 546 1 9088 112 9088 112 17181 54121 04667 ... 36858 99300 02714 000 000	CW	(AB-FIN/MPJ)
<b>M12</b>	10711	3-10	1840	Thu	546 546 546 1 9088 112 9088 112 17181 54121 04667 ... 36858 99300 02714 000 000	CW	(AB/MPJ)
<b>M12</b>	14377	3-10	2000	Thu	317 317 317 317 1 6164 103 6164 103 69301 89947 07087 ... 68923 48011 03151 000 000	CW	(AB)
<b>M12</b>	13461	3-10	2020	Thu	317 317 317 317 1 6164 103 6164 103 69301 89947 07087 ... 68923 48011 03151 000 000	CW	(AB)
<b>M12</b>	12114	3-10	2040	Thu	317 317 317 317 1 6164 103 6164 103 69301 89947 07087 ... 68923 48011 03151 000 000	CW	(AB)
<b>M12</b>	8164	3-10	2110	Thu	197 197 197 000	CW	(RL)
<b>M12</b>	6964	3-10	2130	Thu	197 197 197 000	CW	(RL)
<b>M12</b>	14416	4-10	1210	Fri	442 442 442 000	CW	(AB/MPJ/RL/HFD)
<b>M12</b>	13416	4-10	1230	Fri	442 442 442 000	CW	(AB/MPJ/HFD)
<b>M12</b>	10984	4-10	1950	Fri	930 930 930 000	CW	(AB/RL)
<b>M12</b>	9384	4-10	2010	Fri	930 930 930 000	CW	(AB/RL)
<b>M12</b>	5794	4-10	2100	Fri	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL/HFD)
<b>M12</b>	6794	4-10	2120	Fri	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL/HFD)
<b>M12</b>	8094	4-10	2140	Fri	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL/HFD)
<b>M12</b>	8047	5-10	2000	Sat	463 8635 95 8635 95 43551 86536 64235 ... 74748 82729 51053 000 000	CW	(AB)
<b>M12</b>	6802	5-10	2020	Sat	463 8635 95 8635 95 43551 86536 64235 ... 74748 82729 51053 000 000	CW	(AB)
<b>M12</b>	5788	5-10	2040	Sat	463 8635 95 8635 95 43551 86536 64235 ... 74748 82729 51053 000 000	CW	(AB)
<b>M12</b>	5794	5-10	2100	Sat	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL)
<b>M12</b>	6794	5-10	2120	Sat	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL)
<b>M12</b>	8094	5-10	2140	Sat	770 770 770 1 235 140 235 140 05083 70025 41842 ... 33736 00816 94192 000 000	CW	(AB/RL)
<b>M12</b>	8136	5-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)



M12	9336	5-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)
M12	10936	5-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)
M12	7464	6-10	0500	Sun	413 413 413 000	CW	(ES-HOL)
M12	8164	6-10	0520	Sun	413 413 413 000	CW	(ES-HOL)
M12	18639	7-10	1400	Mon	648 648 648 000	CW	(AB-AUT/MPJ)
M12	17439	7-10	1420	Mon	648 648 648 000	CW	(AB-AUT/MPJ-AUT)
M12	11435	7-10	1710	Mon	938 938 938 2259 107 2259 107 10056 50486 31272 ... 62322 20312 12940 000 000	CW	(AB/MPJ)
M12	10698	7-10	1730	Mon	938 938 938 2259 107 2259 107 10056 50486 31272 ... 62322 20312 12940 000 000	CW	(AB/MPJ)
M12	9327	7-10	1750	Mon	938 938 938 2259 107 2259 107 10056 50486 31272 ... 62322 20312 12940 000 000	CW	(AB/MPJ)
M12	8047	7-10	1800	Mon	463 463 463 1 4633 95 4633 95 20251 45895 31488 ... 25329 99012 49342 000 000	CW	(AB/MPJ)
M12	6802	7-10	1820	Mon	463 463 463 1 4633 95 4633 95 20251 45895 31488 ... 25329 99012 49342 000 000	CW	(AB/MPJ)
M12	5788	7-10	1840	Mon	463 463 463 1 4633 95 4633 95 20251 45895 31488 ... 25329 99012 49342 000 000	CW	(AB/MPJ)
M12	8164	7-10	2110	Mon	197 197 197 1 5642 81 5642 81 ...	CW	(AB)
M12	6964	7-10	2130	Mon	197 197 197 1 5642 81 5642 81 ...	CW	(AB)
M12	5764	7-10	2150	Mon	197 197 197 1 5642 81 5642 81 ...	CW	(AB)
M12	7464	8-10	0500	Tue	413 1 189 119 23640 65433 à... 86429 17864 000 000	CW	(ES-HOL)
M12	8164	8-10	0520	Tue	413 1 189 119 23640 65433 à... 86429 17864 000 000	CW	(ES-HOL)
M12	9317	8-10	0530	Tue	135 135 135 1 4512 107 4512 107 87837 08229 76196 ... 38845 66553 03447 000 000	CW	(AB/ES-HOL)
M12	9364	8-10	0540	Tue	413 1 189 119 23640 65433 à... 86429 17864 000 000	CW	(ES-HOL)
M12	10484	8-10	0550	Tue	135 135 135 1 4512 107 4512 107 87837 08229 76196 ... 38845 66553 03447 000 000	CW	(AB/ES-HOL)
M12	11552	8-10	0610	Tue	135 135 135 1 4512 107 4512 107 87837 08229 76196 ... 38845 66553 03447 000 000	CW	(AB/ES-HOL)
M12	11435	8-10	1800	Tue	938 938 938 1 5702 105 5702 105 25190 64537 71994 ... 38629 15729 10447 000 000	CW	(AB/MPJ)
M12	10598	8-10	1820	Tue	938 938 938 1 5702 105 5702 105 25190 64537 71994 ... 38629 15729 10447 000 000	CW	(AB/MPJ)
M12	9327	8-10	1840	Tue	938 938 938 1 5702 105 5702 105 25190 64537 71994 ... 38629 15729 10447 000 000	CW	(AB/MPJ)
M12	11416	9-10	1210	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
M12	13416	9-10	1230	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
M12	12216	9-10	1250	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
M12	18639	9-10	1400	Wed	648 648 648 000	CW	(AB-RUS/MPJ)
M12	17439	9-10	1420	Wed	648 648 648 000	CW	(AB-RUS/MPJ)
M12	12162	9-10	1710	Wed	546 546 546 1 7624 105 7624 105 85245 15789 68095 ... 38705 20022 76740 000 000	CW	(AB-FIN/MPJ)
M12	11566	9-10	1730	Wed	546 546 546 1 7624 105 7624 105 85245 15789 68095 ... 38705 20022 76740 000 000	CW	(AB-FIN/MPJ)
M12	10711	9-10	1750	Wed	546 546 546 1 7624 105 7624 105 85245 15789 68095 ... 38705 20022 76740 000 000	CW	(AB-FIN/MPJ)
M12	10984	9-10	1950	Wed	930 930 930 000	CW	(AB/RL)
M12	9384	9-10	2010	Wed	930 930 930 000	CW	(AB/RL)
M12	10936	9-10	2210	Wed	931 931 931 1 626 70 626 70 58301 23522 61771 ... 83106 18848 32872 000 000	CW	(AB/RL)
M12	9336	9-10	2230	Wed	931 931 931 1 626 70 626 70 58301 23522 61771 ... 83106 18848 32872 000 000	CW	(AB/RL)
M12	8136	9-10	2250	Wed	931 931 931 1 626 70 626 70 58301 23522 61771 ... 83106 18848 32872 000 000	CW	(AB/RL)
M12	12162	10-10	1700	Thu	546 546 546 1 8257 108 8257 108 39797 22885 83991 ... 48462 14823 31666 000 000	CW	(AB)

M12	11566	10-10	1720	Thu	546 546 546 1 8257 108 8257 108 39797 22885 83991 ... 48462 14823 31666 000 000	CW	(AB)
M12	10711	10-10	1740	Thu	546 546 546 1 8257 108 8257 108 39797 22885 83991 ... 48462 14823 31666 000 000	CW	(AB)
M12	12162	10-10	1800	Thu	546 546 546 1 8830 104 8830 104 71001 00515 80345 ... 34375 83344 65130 000 000	CW	(AB/MPJ)
M12	11566	10-10	1820	Thu	546 546 546 1 8830 104 8830 104 71001 00515 80345 ... 34375 83344 65130 000 000	CW	(AB/MPJ)
M12	10711	10-10	1840	Thu	546 546 546 1 8830 104 8830 104 71001 00515 80345 ... 34375 83344 65130 000 000	CW	(AB/MPJ)
M12	14377	10-10	2000	Thu	317 317 317 1 7327 104 7327 104 20179 22052 06593 ... 38516 15664 55775 000 000	CW	(AB)
M12	13461	10-10	2020	Thu	317 317 317 1 7327 104 7327 104 20179 22052 06593 ... 38516 15664 55775 000 000	CW	(AB)
M12	12114	10-10	2040	Thu	317 317 317 1 7327 104 7327 104 20179 22052 06593 ... 38516 15664 55775 000 000	CW	(AB)
M12	8164	10-10	2110	Thu	197 197 197 1 5642 81 5642 81 87718 44306 51752 ... 43379 85358 57281 000 000	CW	(AB)
M12	6964	10-10	2130	Thu	197 197 197 1 5642 81 5642 81 87718 44306 51752 ... 43379 85358 57281 000 000	CW	(AB)
M12	5764	10-10	2150	Thu	197 197 197 1 5642 81 5642 81 87718 44306 51752 ... 43379 85358 57281 000 000	CW	(AB)
M12	14416	11-10	1210	Fri	442 442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB/MPJ/ES-HOL)
M12	13416	11-10	1230	Fri	442 442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB/MPJ/ES-HOL)
M12	12216	11-10	1250	Fri	442 442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB/MPJ/ES-HOL)
M12	10984	11-10	1950	Fri	930 930 930 000	CW	(AB/RL)
M12	9384	11-10	2010	Fri	930 930 930 000	CW	(AB/RL)
M12	5794	11-10	2100	Fri	770 770 770 000	CW	(AB/RL)
M12	6794	11-10	2120	Fri	770 770 770 000	CW	(AB/RL)
M12	8047	12-10	2000	Sat	463 463 463 1 3687 100 3687 100 71676 99333 84403 ... 55952 04363 95469 000 000	CW	(AB)
M12	6802	12-10	2020	Sat	463 463 463 1 3687 100 3687 100 71676 99333 84403 ... 55952 04363 95469 000 000	CW	(AB)
M12	5788	12-10	2040	Sat	463 463 463 1 3687 100 3687 100 71676 99333 84403 ... 55952 04363 95469 000 000	CW	(AB)
M12	5794	12-10	2100	Sat	770 770 770 000	CW	(AB)
M12	6794	12-10	2120	Sat	770 770 770 000	CW	(AB)
M12	8136	12-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(AB)
M12	9336	12-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(AB)
M12	10936	12-10	2210	Sat	931 931 931 1 626 70 626 70 58301 23522 61771 74158 40285 ... 85827 34229 83106 18848 32872 000 000	CW	(AB)
M12	7464	13-10	0500	Sun	413 413 413 1 189 119 189 119 23640 65433 85661 ... 09724 86429 17864 000 000	CW	(ES-HOL)
M12	8164	13-10	0520	Sun	413 413 413 1 189 119 189 119 23640 65433 85661 ... 09724 86429 17864 000 000	CW	(AB/ES-HOL)
M12	9364	13-10	0540	Sun	413 413 413 1 189 119 189 119 23640 65433 85661 ... 09724 86429 17864 000 000	CW	(AB/ES-HOL)
M12	18639	14-10	1400	Mon	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/MPJ/HFD)
M12	17439	14-10	1420	Mon	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/MPJ/HFD)
M12	15839	14-10	1440	Mon	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/MPJ/HFD)
M12	11435	14-10	1710	Mon	938 938 938 1 3909 105 3909 105 93574 57097 58156 ... 54341 01519 48294 000 000	CW	(AB/MPJ)
M12	10698	14-10	1730	Mon	938 938 938 1 3909 105 3909 105 93574 57097 58156 ... 54341 01519 48294 000 000	CW	(AB/MPJ)
M12	9327	14-10	1750	Mon	938 938 938 1 3909 105 3909 105 93574 57097 58156 ... 54341 01519 48294 000 000	CW	(AB/MPJ)
M12	8047	14-10	1800	Mon	463 463 463 1 4951 91 4951 91 59349 25455 92360 ... 56686 07799 88216 000 000	CW	(AB/MPJ)
M12	6802	14-10	1820	Mon	463 463 463 1 4951 91 4951 91 59349 25455 92360 ... 56686 07799 88216 000 000	CW	(AB/MPJ)

<b>M12</b>	5788	14-10	1840	Mon	463 463 463 1 4951 91 4951 91 59349 25455 92360 ... 56686 07799 88216 000 000	CW	(AB/MPJ)
<b>M12</b>	8164	14-10	2110	Mon	197 197 197 000	CW	(AB/HFD)
<b>M12</b>	6964	14-10	2130	Mon	197 197 197 000	CW	(AB/HFD)
<b>M12</b>	7464	15-10	0500	Tue	413 413 413 000	CW	(AB/ES-HOL)
<b>M12</b>	8164	15-10	0520	Tue	413 413 413 000	CW	(AB/ES-HOL)
<b>M12</b>	9317	15-10	0530	Tue	135 135 135 1 5409 105 5409 105 11957 77908 35118 ... 14667 94218 91240 000 000	CW	(AB/ES-HOL)
<b>M12</b>	10484	15-10	0550	Tue	135 135 135 1 5409 105 5409 105 11957 77908 35118 ... 14667 94218 91240 000 000	CW	(AB/ES-HOL)
<b>M12</b>	11552	15-10	0610	Tue	135 135 135 1 5409 105 5409 105 11957 77908 35118 ... 14667 94218 91240 000 000	CW	(AB/ES-HOL)
<b>M12</b>	11435	15-10	1800	Tue	938 938 938 1 3012 112 3012 112 60305 84207 11304 ... 90156 04965 44655 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	15-10	1820	Tue	938 938 938 1 3012 112 3012 112 60305 84207 11304 ... 90156 04965 44655 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	15-10	1840	Tue	938 938 938 1 3012 112 3012 112 60305 84207 11304 ... 90156 04965 44655 000 000	CW	(AB/MPJ)
<b>M12</b>	11416	16-10	1210	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	13416	16-10	1230	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	12216	16-10	1250	Wed	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	18639	16-10	1400	Wed	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/ES)
<b>M12</b>	17439	16-10	1420	Wed	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/ES)
<b>M12</b>	15839	16-10	1440	Wed	648 648 648 1 188 59 188 59 42720 95648 51353 ... 19280 92638 38098 000 000	CW	(AB-G/ES)
<b>M12</b>	12162	16-10	1710	Wed	546 546 546 1 5823 109 5823 109 87316 13923 54708 ... 56825 78466 76668 000 000	CW	(AB-FIN)
<b>M12</b>	11566	16-10	1730	Wed	546 546 546 1 5823 109 5823 109 87316 13923 54708 ... 56825 78466 76668 000 000	CW	(AB-FIN)
<b>M12</b>	10711	16-10	1750	Wed	546 546 546 1 5823 109 5823 109 87316 13923 54708 ... 56825 78466 76668 000 000	CW	(AB-FIN)
<b>M12</b>	10984	16-10	1950	Wed	930 930 930 000	CW	(HFD)
<b>M12</b>	9384	16-10	2010	Wed	930 930 930 000	CW	(HFD)
<b>M12</b>	8136	16-10	2250	Wed	931 931 931 1 8249 108 8249 108 ...	CW	(AB)
<b>M12</b>	12162	17-10	1700	Thu	546 546 546 1 1448 110 1448 110 41267 68095 05462 ... 76690 57655 42934 000 000	CW	(AB)
<b>M12</b>	11566	17-10	1720	Thu	546 546 546 1 1448 110 1448 110 41267 68095 05462 ... 76690 57655 42934 000 000	CW	(AB)
<b>M12</b>	10711	17-10	1740	Thu	546 546 546 1 1448 110 1448 110 41267 68095 05462 ... 76690 57655 42934 000 000	CW	(AB)
<b>M12</b>	12162	17-10	1800	Thu	546 546 546 1 4243 104 4243 104 23126 71797 86565 ... 25778 20236 25522 000 000	CW	(AB)
<b>M12</b>	11566	17-10	1820	Thu	546 546 546 1 4243 104 4243 104 23126 71797 86565 ... 25778 20236 25522 000 000	CW	(AB)
<b>M12</b>	10711	17-10	1840	Thu	546 546 546 1 4243 104 4243 104 23126 71797 86565 ... 25778 20236 25522 000 000	CW	(AB)
<b>M12</b>	14377	17-10	2000	Thu	317 317 317 1 3392 105 3392 105 38318 42791 28767 ... 46634 78480 51752 000 0000	CW	(AB)
<b>M12</b>	13461	17-10	2020	Thu	317 317 317 1 3392 105 3392 105 38318 42791 28767 ... 46634 78480 51752 000 0000	CW	(AB)
<b>M12</b>	12114	17-10	2040	Thu	317 317 317 1 3392 105 3392 105 38318 42791 28767 ... 46634 78480 51752 000 0000	CW	(AB)
<b>M12</b>	8164	17-10	2110	Thu	197 197 197 000	CW	(AB)
<b>M12</b>	6964	17-10	2130	Thu	197 197 197 000	CW	(AB)
<b>M12</b>	14416	18-10	1210	Fri	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	13416	18-10	1230	Fri	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	12216	18-10	1250	Fri	442 442 442 1 254 56 254 56 29249 12262 52413 ... 36615 74463 67689 000 000	CW	(AB)
<b>M12</b>	10984	18-10	1950	Fri	930 930 930 000	CW	(AB)
<b>M12</b>	9384	18-10	2010	Fri	930 930 930 000	CW	(AB)
<b>M12</b>	5794	18-10	2100	Fri	770 770 770 000	CW	(AB)

<b>M12</b>	6794	18-10	2120	Fri	770 770 770 000	CW	(AB)
<b>M12</b>	7464	20-10	0500	Sun	413 413 413 000	CW	(AB/ES)
<b>M12</b>	8164	20-10	0520	Sun	413 413 413 000	CW	(AB/ES)
<b>M12</b>	18639	21-10	1400	Mon	648 648 648 000	CW	(AB-G/MPJ)
<b>M12</b>	17439	21-10	1420	Mon	648 648 648 000	CW	(AB-G/MPJ)
<b>M12</b>	11435	21-10	1710	Mon	938 938 938 1 3719 107 3719 107 77703 42685 81626 ... 53561 66336 81815 000 000	CW	(AB/MPJ/ES)
<b>M12</b>	10698	21-10	1730	Mon	938 938 938 1 3719 107 3719 107 77703 42685 81626 ... 53561 66336 81815 000 000	CW	(AB/MPJ/ES)
<b>M12</b>	9327	21-10	1750	Mon	938 938 938 1 3719 107 3719 107 77703 42685 81626 ... 53561 66336 81815 000 000	CW	(AB/MPJ/ES)
<b>M12</b>	8047	21-10	1800	Mon	463 463 463 1 4325 93 4325 93 93467 96126 30144 ... 64391 06665 81232 000 000	CW	(AB/MPJ)
<b>M12</b>	6802	21-10	1820	Mon	463 463 463 1 4325 93 4325 93 93467 96126 30144 ... 64391 06665 81232 000 000	CW	(AB/MPJ)
<b>M12</b>	5788	21-10	1840	Mon	463 463 463 1 4325 93 4325 93 93467 96126 30144 ... 64391 06665 81232 000 000	CW	(AB/MPJ)
<b>M12</b>	8164	21-10	2110	Mon	197 197 197 000	CW	(AB)
<b>M12</b>	6964	21-10	2130	Mon	197 197 197 000	CW	(AB)
<b>M12</b>	7464	22-10	0500	Tue	413 413 413 000	CW	(AB/ES)
<b>M12</b>	8164	22-10	0520	Tue	413 413 413 000	CW	(AB/ES)
<b>M12</b>	9317	22-10	0530	Tue	135 135 135 1 838 112 8838 112 50839 49361 71917 ... 51960 68557 93067 000 000	CW	(AB/ES)
<b>M12</b>	10484	22-10	0550	Tue	135 135 135 1 838 112 8838 112 50839 49361 71917 ... 51960 68557 93067 000 000	CW	(AB/ES)
<b>M12</b>	11552	22-10	0610	Tue	135 135 135 1 838 112 8838 112 50839 49361 71917 ... 51960 68557 93067 000 000	CW	(AB/ES)
<b>M12</b>	9178	22-10	0740	Tue	i.p. unscheduled M12: 816 1 9229 36 84901 25181 47048 ... 88757 83595 59358 000 000	CW	(ES-HOL)
<b>M12</b>	11435	22-10	1800	Tue	938 938 938 1 2791 111 2791 111 43961 47196 52109 ... 31350 93661 96244 000 000	CW	(AB/MPJ)
<b>M12</b>	10598	22-10	1820	Tue	938 938 938 1 2791 111 2791 111 43961 47196 52109 ... 31350 93661 96244 000 000	CW	(AB/MPJ)
<b>M12</b>	9327	22-10	1840	Tue	938 938 938 1 2791 111 2791 111 43961 47196 52109 ... 31350 93661 96244 000 000	CW	(AB/MPJ)
<b>M12</b>	11416	23-10	1210	Wed	442 442 442 000	CW	(AB)
<b>M12</b>	13416	23-10	1230	Wed	442 442 442 000	CW	(AB/ES-HOL)
<b>M12</b>	18639	23-10	1400	Wed	648 648 648 000	CW	(AB/MPJ)
<b>M12</b>	17439	23-10	1420	Wed	648 648 648 000	CW	(AB/MPJ)
<b>M12</b>	12162	23-10	1710	Wed	546 546 546 1 8980 111 8980 111 58692 76707 32118 ... 99441 53235 46183 000 000	CW	(AB-FIN)
<b>M12</b>	11566	23-10	1730	Wed	546 546 546 1 8980 111 8980 111 58692 76707 32118 ... 99441 53235 46183 000 000	CW	(AB-FIN)
<b>M12</b>	10711	23-10	1750	Wed	546 546 546 1 8980 111 8980 111 58692 76707 32118 ... 99441 53235 46183 000 000	CW	(AB-FIN)
<b>M12</b>	10984	23-10	1950	Wed	930 930 930 000	CW	(AB/RL)
<b>M12</b>	9384	23-10	2010	Wed	930 930 930 000	CW	(AB/RL)
<b>M12</b>	12162	24-10	1700	Thu	546 1 9236 108 35453 15181 41304 ... 22336 76223 36341 000 000	CW	(MPJ)
<b>M12</b>	11566	24-10	1720	Thu	546 1 9236 108 35453 15181 41304 ... 22336 76223 36341 000 000	CW	(MPJ)
<b>M12</b>	10711	24-10	1740	Thu	546 1 9236 108 35453 15181 41304 ... 22336 76223 36341 000 000	CW	(MPJ)
<b>M12</b>	12162	24-10	1800	Thu	546 1 8050 105 89765 37573 79367 (?) ... 88675 36046 ????? 000 000	CW	(MPJ)
<b>M12</b>	11566	24-10	1820	Thu	546 1 8050 105 89765 37573 79367 (?) ... 88675 36046 ????? 000 000	CW	(MPJ)
<b>M12</b>	10711	24-10	1840	Thu	546 1 8050 105 89765 37573 79367 (?) ... 88675 36046 ????? 000 000	CW	(MPJ)
<b>M12</b>	14416	25-10	1210	Fri	442 442 442 000	CW	(AB)
<b>M12</b>	13416	25-10	1230	Fri	442 442 442 000	CW	(AB)
<b>M12</b>	5794	25-10	2100	Fri	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB/RL)

M12	6794	25-10	2120	Fri	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB/RL)
M12	8094	25-10	2140	Fri	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB/RL)
M12	8047	26-10	2000	Sat	463 463 463 1 4296 98 4296 98 82847 74546 89137 ... 14721 17805 90376 000 000	CW	(AB)
M12	6802	26-10	2020	Sat	463 463 463 1 4296 98 4296 98 82847 74546 89137 ... 14721 17805 90376 000 000	CW	(AB)
M12	5788	26-10	2040	Sat	463 463 463 1 4296 98 4296 98 82847 74546 89137 ... 14721 17805 90376 000 000	CW	(AB)
M12	5794	26-10	2100	Sat	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	6794	26-10	2120	Sat	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	8094	26-10	2140	Sat	770 770 770 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	7464	27-10	0500	Sun	413 413 413 000	CW	(AB/ES-HOL)
M12	8164	27-10	0520	Sun	413 413 413 000	CW	(AB/ES-HOL)
M12	17429	28-10	0010	Mon	429 1 ...	CW	(HFD-CHN)
M12	16219	28-10	0030	Mon	429 1 ...	CW	(HFD-CHN)
M12	15929	28-10	0050	Mon	429 1 ...	CW	(HFD-CHN)
M12	18639	28-10	1400	Mon	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ/ES)
M12	17439	28-10	1420	Mon	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ/ES)
M12	15839	28-10	1440	Mon	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ/ES)
M12	8047	28-10	1800	Mon	463 463 463 1 9409 96 9409 96 83661 99924 95348 ... 75815 88362 06736 000 000	CW	(AB/MPJ)
M12	6802	28-10	1820	Mon	463 463 463 1 9409 96 9409 96 83661 99924 95348 ... 75815 88362 06736 000 000	CW	(AB/MPJ)
M12	5788	28-10	1840	Mon	463 463 463 1 9409 96 9409 96 83661 99924 95348 ... 75815 88362 06736 000 000	CW	(AB/MPJ)
M12	8164	28-10	2110	Mon	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M12	6964	28-10	2130	Mon	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M12	5764	28-10	2150	Mon	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M12	7464	29-10	0500	Tue	413 413 413 000	CW	(AB/ES)
M12	8164	29-10	0520	Tue	413 413 413 000	CW	(AB/ES)
M12	9317	29-10	0530	Tue	135 135 135 1 3692 113 3692 113 95775 32536 50587 ... 68547 28420 02277 000 000	CW	(AB/ES)
M12	10484	29-10	0550	Tue	135 135 135 1 3692 113 3692 113 95775 32536 50587 ... 68547 28420 02277 000 000	CW	(AB/ES)
M12	11552	29-10	0610	Tue	135 135 135 1 3692 113 3692 113 95775 32536 50587 ... 68547 28420 02277 000 000	CW	(AB-RUS)
M12	11416	30-10	1210	Wed	442 442 442 000	CW	(MPJ)
M12	13416	30-10	1230	Wed	442 442 442 000	CW	(MPJ)
M12	18639	30-10	1400	Wed	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ)
M12	17439	30-10	1420	Wed	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ)
M12	15839	30-10	1440	Wed	648 648 648 1 5675 42 5675 42 35430 79721 80639 ... 80643 05073 39277 000 000	CW	(AB-RUS/MPJ)
M12	12162	30-10	1710	Wed	546 546 546 1 1319 104 1319 104 69900 84869 52567 ... 90832 87352 31306 000 000	CW	(AB-RUS/MPJ)
M12	11566	30-10	1730	Wed	546 546 546 1 1319 104 1319 104 69900 84869 52567 ... 90832 87352 31306 000 000	CW	(AB-RUS/MPJ)
M12	10711	30-10	1750	Wed	546 546 546 1 1319 104 1319 104 69900 84869 52567 ... 90832 87352 31306 000 000	CW	(AB-RUS/MPJ)
M12	10984	30-10	1950	Wed	930 930 930 000	CW	(AB/MPJ)
M12	9384	30-10	2010	Wed	930 930 930 000	CW	(AB/MPJ)
M12	12162	31-10	1700	Thu	546 1 7088 104 36492 70545 16667 ... 23541 67412 17430 000 000	CW	(MPJ)
M12	11566	31-10	1720	Thu	546 1 7088 104 36492 70545 16667 ... 23541 67412 17430 000 000	CW	(MPJ)
M12	10711	31-10	1740	Thu	546 1 7088 104 36492 70545 16667 ... 23541 67412 17430 000 000	CW	(MPJ)

M12	12162	31-10	1800	Thu	546 1 9855 106 18157 57048 41202 ... 56885 43300 68345 000 000	CW	(MPJ)
M12	11566	31-10	1820	Thu	546 1 9855 106 18157 57048 41202 ... 56885 43300 68345 000 000	CW	(MPJ)
M12	10711	31-10	1840	Thu	546 1 9855 106 18157 57048 41202 ... 56885 43300 68345 000 000	CW	(MPJ)
M12	8164	31-10	2110	Thu	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M12	6964	31-10	2130	Thu	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M12	5764	31-10	2150	Thu	197 197 197 1 169 102 169 102 05504 42991 74502 ... 57745 00599 62724 000 000	CW	(AB)
M14	16327	1-10	0930	Tue	617 617 617 00000	CW	(ES-HOL)
M14	5775	1-10	1600	Tue	230 230 230 00000	MCW	(MPJ)
M14	6793	2-10	1528	Wed	Test: 969 16775 49579 24918 17338 5257 single groups	MCW	(AB)
M14	6793	2-10	1536	Wed	Test: 980 58763 15971 90705 08756 05603 8B 8707 single groups	MCW	(AB)
M14	6793	2-10	1546	Wed	Test: 45227	MCW	(AB)
M14	6793	2-10	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	5275	4-10	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4874	4-10	2000	Fri	735 735 735 00000	MCW	(AB)
M14	4370	5-10	0800	Sat	523 43 43 = = 89016 56790 41235 17236 21060 ... Lots of problems. Several stops. Deep fading. Partly unreadable. Sign off halfway the message	MCW	(AB-POL)
M14	4650	5-10	0900	Sat	Many errors. 523 53 253 433 = = 89012 56790 41235 ... 3255?2340225 225 53215322 253 253 433 88 00000	MCW	(AB-RUS)
M14	5950	8-10	1820	Tue	346 312 312 27 27 = = 48385 48385 94732 94732 63832 ... 931?4 353283032 62552 62752 312 32227 27 = = 00000	MCW	(AB/MPJ/HFD)
M14	5463	9-10	1920	Wed	Messy transmission 537 512 312 2726= = 48385 94732 63832 ... 9316 552 83032 62752 3123122727= = 000	MCW	(AB/MPJ)
M14	17459	10-10	0930	Thu	617 617 617 00000	CW	(AB/ES-HOL)
M14	4370	12-10	0800	Sat	523 ... Messy transmission. Mostly unreadable. Strong RTTY interference	MCW	(AB-POL)
M14	4650	12-10	0900	Sat	523 721 721 36 36 = = 89012 89012 56790 56795 41235 ... 17236 21060 215?5 590 84590 721 721 36 36 = = 00000	MCW	(AB-RUS)
M14	4890	13-10	2300	Sun	617 741 741 40 40 = = 90164 36186 42751 ...	MCW	(AB)
M14	5775	15-10	1600	Tue	239 239 239 00000	M14	(AB/HFD)
M14	5275	18-10	1900	Fri	735 735 735 00000	MCW	(AB)
M14	4874	18-10	2000	Fri	735 735 735 00000	MCW	(AB)
M14	4890	20-10	2300	Sun	617 ...	MCW	(AB)
M14	4760	21-10	0000	Mon	617 ...	MCW	(AB)
M14	5947	22-10	1820	Tue	346 346 346 00000 followed by 346 312 312 27 27 = = 48385 94732 63832 ... 93164 83032 62752 312 312 27 27 = = 00000	MCW	(AB/MPJ)
M14	5463	23-10	1920	Wed	346 312 312 27 27 = = 48385 94732 63832 ... 93164 032 8303262752 62752 312 312 27 27 = = 00000	MCW	(AB)
M14	17458	25-10	0930	Fri	617 617 617 00000	CW	(AB/ES-HOL)
M14	4730	26-10	0700	Sat	523 312 312 27 27 = = 48385 94732 63832 ... 93164 83032 62752 312 312 27 27 = = 00000	MCW	(AB-FIN)
M14	4650	26-10	0800	Sat	523 312 312 27 27 = = 48385 94732 63832 ... 93164 83032 62752 312 312 27 27 = = 00000	MCW	(AB-POL)
M21	6911	11-10	0534	Fri	Russian Air Defense =990835??8?????	CW	(WP3)



M21	6231	11-10	0541	Fri	Russian Air Defense =990846??0?????	CW	(WP3)
M21	5201	11-10	1720	Fri	Russian Air Defense =992023??0?????	CW	(WP3)
M21	6911.5	23-10	1300	Wed	=991600??8????? =991602??8????? =1334953122502 =13335730151102	CW	(F5JBR)
M21	4274	24-10	0706	Thu	=991006??8????? =991007??8????? =991008??8????? =991009??8?????	CW	(F5JBR)
M21	4888.5	24-10	1133	Thu	=23322902060827 =13323730356132 =23323902040727 =991434??8?????	CW	(F5JBR)
M21	6911.5	24-10	1145	Thu	=13333730856844 =23333902070827 =991446??8????? =13332730854846	CW	(F5JBR)
M21	4913.5	25-10	0715	Fri	=8500938631715 =51785007180513800 =8500939631616 =19285001017 K	CW	(F5JBR)
M21	4639.5	25-10	1422	Fri	=991724??0????? =991725??0????? =991726??0?????	CW	(F5JBR)
M21	5789	26-10	0649	Sat	=990949??0????? =990950??0????? =990951??0?????	CW	(F5JBR)
M21	7949.5	26-10	0730	Sat	=99?1003?9????? =99?1006?9????? =99?1012?9?????	CW	(F5JBR)
M21	4613	26-10	0752	Sat	=991052??0????? =991053??0????? =991054??0?????	CW	(F5JBR)
M23	5345	15-10	1710	Tue	444 (R15)	CW	(AB)
M23	5345	16-10	1010	Wed	444 (R15)	CW	(Danix/ES)
M23	5345	16-10	1710	Wed	444 (R15)	CW	(AB)
M23	5345	17-10	1010	Thu	444 (R15)	CW	(AB/ES)
M23	5345	17-10	1710	Thu	444 (R15)	CW	(AB)
M23	5345	18-10	1010	Fri	444 (R15)	CW	(AB)
M23	5345	18-10	1710	Fri	444 (R15)	CW	(AB)
M32	12776	3-10	0736	Thu	RDL RDL RDL 12433 15492 12433 15492 12433 15492 K	FSK-CW	(AB)
M32	12776	3-10	0755	Thu	RDL RDL RDL 98879 93918 98879 93918 08879 93918 K	FSK-CW	(AB)
M32	12776	3-10	0839	Thu	RDL RDL RDL 80109 25143 80109 25143 80109 25143 K	FSK-CW	(AB)
M32	12776	3-10	0847	Thu	RDL RDL RDL 74898 72985 74898 72985 74898 72985 K	FSK-CW	(AB)
M32	12776	3-10	0905	Thu	RDL RDL RDL 75945 00778 75945 00778 75945 00778 K	FSK-CW	(AB)
M32	5361	8-10	0946	Tue	XXX XXX VZLQ VZLQ 20179 VKUSOHLAM 3516 1844 K (followed by the same message on S32)	CW	(Gwr)
M32	14411	15-10	1203	Tue	XXX XXX N1DX N1DX F2ET F2ET 94204 79806 KLERIKALIZM 8338 0833	CW	(JU)
M32	14411	16-10	1010	Wed	RDL: XXX XXX RJY95 RJY95 59936 61546 WOLOSNO 8452 4104 K	CW	(JU)
M32	5209	16-10	1320	Wed	Russian military i.p. 10204 73337 5722 10207 73347 6322 30207 02072 ...	CW	(ES-POL)
M32	8076	21-10	1558	Mon	XXX XXX M7A2 M7A2 87847 08716 NARODNIK 3559 9150 XXX XXX M7A2 M7A2 87847 08716 NARODNIK 3559 9150 K	CW	(AB)
M32a	5775	5-10	1441	Sat	RIC87 RIC87 RIC87 DE RCV RCV QTC 143 59 26 1905 143 = PRIP NOWM ROSSIJSK 511 KARTA 32103 ERNOE MORE STRELXBY RAKETNYE ...	CW	(AB)
M32b	8816	4-10	0711	Fri	Russian Naval Air: rjc38 rjf94 de 54555 qto 0700 qrd XLLV XLMD qbd 0500 qre 0915 k	CW	(WP3)
M42	11164	9-10	0743	Wed	Russian diplo/intel.	MFSK	(AB)
M42	13411	15-10	0755	Tue	MFA Moscow	MFSK-66	(SP1)
M42	9357	25-10	0910	Fri	Russian diplo/intel.	MFSK-66	(AB)
M51a	3881	17-10	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //6825 kHz	CW	(AB)
M51a	6825	17-10	0830	Thu	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 4 messages //3881 kHz	CW	(AB)
M51b	3881	2-10	1430	Wed	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	2-10	1430	Wed	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	15-10	1523	Tue	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)

<b>M51b</b>	6825	15-10	1523	Tue	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	17-10	0930	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	17-10	0930	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	18-10	1227	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	18-10	1227	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	18-10	1700	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	18-10	1700	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	24-10	0954	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	24-10	0954	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	3881	25-10	1311	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	25-10	1311	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M51b</b>	6825	26-10	1244	Sat	FAV22 i.p. OIRTO KHCXV 01878 ...	CW	(MPJ)
<b>M89</b>	4131	2-10	1838	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	2-10	1840	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	2-10	1840	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	3842	2-10	1852	Wed	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
<b>M89</b>	6913	4-10	0722	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	4-10	0722	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	10563	4-10	0740	Fri	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
<b>M89</b>	4131	4-10	1533	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3156	4-10	1539	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	4-10	1539	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	3842	4-10	1541	Fri	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
<b>M89</b>	4135	4-10	1541	Fri	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
<b>M89</b>	3187	4-10	1605	Fri	i.p. GA = = 4DU776TAT356ATTD6T7TU5DU3AA35 IIII GA = = 4D77U5A5TA56ATTD6U5U4NU35A45 AR (Sent without spaces) R SK SK	CW	(JPL)
<b>M89</b>	6913	4-10	2244	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
<b>M89</b>	7397	4-10	2244	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
<b>M89</b>	4135	4-10	2252	Fri	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
<b>M89</b>	4886	5-10	1926	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	3842	5-10	1930	Sat	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
<b>M89</b>	3156	5-10	1932	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
<b>M89</b>	3597	5-10	1932	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
<b>M89</b>	5177	6-10	0716	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
<b>M89</b>	5920	6-10	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
<b>M89</b>	6840	6-10	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
<b>M89</b>	10640	6-10	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
<b>M89</b>	7620	6-10	0730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
<b>M89</b>	8350	6-10	0730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
<b>M89</b>	6913	6-10	0738	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)



M89	7397	6-10	0738	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5520	6-10	0805	Sun	i.p. 6T4N T4N5 DA37 UAD6 U5T6	CW	(JPL)
M89	4131	6-10	1801	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	6-10	1807	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	6-10	1807	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	6-10	1808	Sun	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	6-10	1808	Sun	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	10563	7-10	0019	Mon	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	6913	7-10	0023	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	7-10	0023	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	6913	7-10	0656	Mon	i.p. /371/B AR .../635/1189/13.3/37/75/3894/371/B AR V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	7-10	0656	Mon	i.p. /371/B AR .../635/1189/13.3/37/75/3894/371/B AR V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4860	7-10	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	7-10	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	7-10	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	4720	7-10	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	7-10	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3842	7-10	2013	Mon	V K9S3 (x3) DE Q5R2 (x2) //4135	CW	(JPL)
M89	4135	7-10	2013	Mon	V K9S3 (x3) DE Q5R2 (x2) //3842	CW	(JPL)
M89	3156	7-10	2015	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	7-10	2015	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	12-10	0932	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	12-10	0932	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10563	12-10	2224	Sat	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	3045	12-10	2239	Sat	i.p. 6UAD U473 A4TD T576 ... AR 4A EEEE QSL ? K E E E A EEEEEEE R RPT 1W K	CW	(JPL)
M89	5177	21-10	1142	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	21-10	1201	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4102	21-10	1207	Mon	i.p. SE1T FFF NR 003/EX 1936 = Z1L3/X9B8 FF NR 003/EX 1936 = Z1L3/X9B6	CW	(JPL)
M89	4860	22-10	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	22-10	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	22-10	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	4720	22-10	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	22-10	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3156	22-10	1134	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-10	1134	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	22-10	1142	Tue	V DFDH (x3) DE 5JNK (x2) //4135 sending different round slip and at different speed	CW	(JPL)
M89	4135	22-10	1142	Tue	V 3DAU (x3) DE GU5H (x2) //3842 sending different round slip and at different speed	CW	(JPL)
M89	4131	22-10	1616	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3850	22-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	22-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)

M89	6840	22-10	1620	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3785	22-10	1631	Tue	i.p. 7ND5 4347 TN3U A743	CW	(JPL)
M89	6913	26-10	0654	Sat	8FDH de QH4P V //7397	CW	(F5JBR-J)
M89	3597	26-10	1150	Sat	8FDH de QH4P V //3156	CW	(F5JBR-J)
M89	4135	26-10	1220	Sat	3DAU de GU5H V	CW	(F5JBR-J)
M89	3156	26-10	1618	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	26-10	1618	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4135	26-10	2041	Sat	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M89	5858	26-10	2333	Sat	V 3DAU (x3) DE GU5H (x2) //10563 sending different round slip	CW	(JPL)
M89	10563	26-10	2333	Sat	V 3DAU (x3) DE GU5H (x2) //5858	CW	(JPL)
M89	6913	26-10	2340	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	26-10	2340	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4886	26-10	2346	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	27-10	1048	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	27-10	1048	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	27-10	1345	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4542	27-10	1345	Sun	i.p. U COM 5131 K R HR WK NR 130 K R OK K	CW	(JPL)
M89	4059	27-10	1406	Sun	VV KCBA DE ADCX K. QSA ? K QSA 3 IEC 7.. K R IEC .. K (Normally associated with exercise)	CW	(JPL)
M89	4135	27-10	1422	Sun	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M90	4852	24-10	0711	Thu	PJP6 wkg CQXJ, XVSQ, K6ZJ, SVN, K6ZJ, SVN, MWV5, SFL7, AZDT. Collective Callsign: HR3H. Traffic consists of Comms checks and short messages	CW	(F5JBR-AUT)
M95	3642	2-10	1836	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	2-10	1836	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	10180	4-10	0717	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3968	4-10	2232	Fri	V DKG6 (x3) DE 3A7D (x2) //6936	CW	(JPL)
M95	6936	4-10	2232	Fri	V DKG6 (x3) DE 3A7D (x2) //3968	CW	(JPL)
M95	3968	5-10	1924	Sat	V DKG6 (x3) DE 3A7D (x2) //6936	CW	(JPL)
M95	6936	5-10	1924	Sat	V DKG6 (x3) DE 3A7D (x2) //3968	CW	(JPL)
M95	5479	6-10	0707	Sun	V DKG6 (x3) DE 3A7D (x2) //10722	CW	(JPL)
M95	10722	6-10	0707	Sun	V DKG6 (x3) DE 3A7D (x2) //5479	CW	(JPL)
M95	3968	6-10	1803	Sun	V DKG6 (x3) DE 3A7D (x2) //6936 Note: 3A7D has changed all frequencies, but not roundslips	CW	(JPL)
M95	6936	6-10	1803	Sun	V DKG6 (x3) DE 3A7D (x2) //3968	CW	(JPL)
M95	10722	7-10	0717	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5479	7-10	1115	Mon	V DKG6 (x3) DE 3A7D (x2) //10722	CW	(JPL)
M95	10722	7-10	1115	Mon	V DKG6 (x3) DE 3A7D (x2) //5479	CW	(JPL)
M95	4364	7-10	1137	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0825 CK 37 35 A007 A555 = //8073	CW	(JPL)
M95	8073	7-10	1137	Mon	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0825 CK 37 35 A007 A555 = //4364	CW	(JPL)
M95	4243	7-10	1153	Mon	VV HR MSG TO YR PSE CY NR 024 CK 23 35 1007 1522 = UT5 TT7 3U6 3A4 TTA ...	CW	(JPL)
M95	5801	12-10	0941	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	12-10	0941	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

<b>M95</b>	3642	12-10	2250	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	12-10	2250	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M95</b>	10180	21-10	1143	Mon	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
<b>M95</b>	4243	22-10	1148	Tue	(VV HR MSG TO YR PSE CY NR 075 CK 15 35 1022 1526 = 5AA UTT TUU 3U6 3A4 ... //9054	CW	(JPL)
<b>M95</b>	9054	22-10	1148	Tue	(VV HR MSG TO YR PSE CY NR 075 CK 15 35 1022 1526 = 5AA UTT TUU 3U6 3A4 ... //4243	CW	(JPL)
<b>M95</b>	5801	22-10	1215	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	22-10	1215	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>M95</b>	3642	22-10	1634	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	22-10	1634	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M95</b>	3642	26-10	1640	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
<b>M95</b>	7602	26-10	1640	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
<b>M95</b>	5801	27-10	1041	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
<b>M95</b>	10180	27-10	1041	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
<b>MX</b>	13527.7	4-10	0658	Fri	Beacon D, Sevastopol	CW	(AB)
<b>MX</b>	13527.9	4-10	0658	Fri	Beacon S, Sevoromorsk	CW	(AB)
<b>MX</b>	13528	4-10	0658	Fri	Beacon C, Moscow	CW	(AB)
<b>MX</b>	4651	5-10	0900	Sat	Channel marker S (R5)	CW	(AB)
<b>MX</b>	5342	16-10	1429	Wed	Beacon V	CW	(ES-POL)
<b>MX</b>	8821	17-10	0730	Thu	Channel marker S (R5) repeated every 30 mins till 1030 UTC	CW	(ES-HOL)
<b>MX</b>	5343	30-10	1346	Wed	Beacon V	CW	(ES-POL)
<b>MX</b>	7576	30-10	1458	Wed	Beacon P, Kaliningrad	CW	(ES-HOL)
<b>MX</b>	7576	30-10	1458	Wed	Beacon P, Kaliningrad	CW	(ES-HOL)
<b>P03a</b>	14865	2-10	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	14865	2-10	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
<b>P03a</b>	5815	4-10	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	5815	4-10	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	12202	4-10	0620	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	12202	4-10	0625	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	10302	4-10	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	10302	4-10	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	5371	4-10	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
<b>P03a</b>	5371	4-10	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
<b>P03a</b>	7469	5-10	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	7469	5-10	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	14865	5-10	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
<b>P03a</b>	14865	5-10	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
<b>P03a</b>	7469	6-10	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	5815	6-10	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	7469	6-10	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
<b>P03a</b>	5815	6-10	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)

P03a	10302	6-10	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	6-10	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	12202	7-10	0620	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	12202	7-10	0625	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	7-10	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	7-10	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14865	9-10	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	9-10	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	11-10	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	11-10	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	11-10	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	10302	11-10	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	11-10	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	11-10	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	7469	12-10	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	7469	12-10	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14865	12-10	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	12-10	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	13-10	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	13-10	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	14-10	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	14-10	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14865	16-10	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	16-10	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	18-10	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	18-10	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	18-10	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	18-10	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	18-10	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	18-10	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	7469	19-10	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	7469	19-10	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	20-10	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	20-10	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13873	21-10	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13873	21-10	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	21-10	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	21-10	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	23-10	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4356	23-10	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)

P03a	14865	23-10	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	23-10	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	25-10	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	25-10	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	25-10	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	25-10	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14865	26-10	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	14865	26-10	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	7469	27-10	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	27-10	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	7469	27-10	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5815	27-10	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13873	27-10	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13873	27-10	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	10302	27-10	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	10302	27-10	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13873	28-10	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13873	28-10	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	28-10	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	28-10	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	30-10	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	4356	30-10	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	30-10	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	30-10	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03b	7984	2-10	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	2-10	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	5-10	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	5-10	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	6-10	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	6-10	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	6-10	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	6-10	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	9-10	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	9-10	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	12-10	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	12-10	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	13-10	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	13-10	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	13-10	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	13-10	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)

P03b	7984	16-10	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	16-10	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	16-10	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	16-10	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	18-10	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	18-10	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	19-10	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	19-10	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	20-10	1120	Sun	Polish intel.	QPSK 62.5Bd	(MPJ)
P03b	7984	20-10	1125	Sun	Polish intel.	QPSK 62.5Bd	(MPJ)
P03b	7984	23-10	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	23-10	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	23-10	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	23-10	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	25-10	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	25-10	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	26-10	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	26-10	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	27-10	1120	Sun	Polish intel.	QPSK 62.5Bd	(MPJ)
P03b	7984	27-10	1125	Sun	Polish intel.	QPSK 62.5Bd	(MPJ)
P03b	7984	30-10	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	30-10	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	30-10	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5344	30-10	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03d	10641	4-10	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	4-10	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	7-10	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	7-10	0945	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	11-10	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	11-10	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	14-10	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	14-10	0945	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	18-10	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	18-10	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	21-10	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	21-10	0945	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	25-10	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	25-10	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	28-10	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	28-10	0945	Mon	Polish intel.	QPSK 125Bd	(AB)



P03e	5344	1-10	1725	Tue	Polish intel.	QPSK 100	(MPJ)
P03e	5344	1-10	1730	Tue	Polish intel.	QPSK 100	(MPJ)
P03e	14972	4-10	1440	Fri	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	4-10	1445	Fri	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	6-10	1440	Sun	Polish intel.	QPSK 100	(AB)
P03e	14972	6-10	1445	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	6-10	1725	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	6-10	1730	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	8-10	1725	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5344	8-10	1730	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	11-10	1440	Fri	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	11-10	1445	Fri	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	13-10	1440	Sun	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	13-10	1445	Sun	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5344	13-10	1725	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	13-10	1730	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	15-10	1725	Tue	Polish intel.	QPSK 100	(AB)
P03e	5344	15-10	1730	Tue	Polish intel.	QPSK 100	(AB)
P03e	14972	18-10	1440	Fri	Polish intel.	QPSK 100	(AB)
P03e	14972	18-10	1445	Fri	Polish intel.	QPSK 100	(AB)
P03e	5344	20-10	1725	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	5344	20-10	1730	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	5344	22-10	1725	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5344	22-10	1730	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	14972	25-10	1440	Fri	Polish intel.	QPSK 100	(MPJ)
P03e	14972	25-10	1445	Fri	Polish intel.	QPSK 100	(MPJ)
P03e	14972	27-10	1440	Sun	Polish intel.	QPSK 100	(AB)
P03e	14972	27-10	1445	Sun	Polish intel.	QPSK 100	(AB)
P03e	5344	27-10	1725	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	5344	27-10	1730	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	5344	29-10	1725	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5344	29-10	1730	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03f	6849	1-10	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	1-10	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	2-10	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	2-10	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	13911	7-10	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	13911	7-10	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	6849	8-10	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	8-10	1105	Tue	Polish intel.	QPSK 200Bd	(AB)

<b>P03f</b>	13911	9-10	0530	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	9-10	0535	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	9-10	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	6849	9-10	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	13911	14-10	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	14-10	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	15-10	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	6849	15-10	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	13911	16-10	0530	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	16-10	0535	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	16-10	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	6849	16-10	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	13911	21-10	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	21-10	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	22-10	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	6849	22-10	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	13911	23-10	0530	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	23-10	0535	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	23-10	1100	Wed	Polish intel.	QPSK 200Bd	(AB/MPJ)
<b>P03f</b>	6849	23-10	1105	Wed	Polish intel.	QPSK 200Bd	(AB/MPJ)
<b>P03f</b>	13911	28-10	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	28-10	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	29-10	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	6849	29-10	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
<b>P03f</b>	13911	30-10	0530	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	13911	30-10	0535	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
<b>P03f</b>	6849	30-10	1100	Wed	Polish intel.	QPSK 200Bd	(AB/MPJ)
<b>P03f</b>	6849	30-10	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
<b>Q26</b>	4364	7-10	1130	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	7-10	1130	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	7-10	1146	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>S06</b>	8191	4-10	2000	Fri	627 627 627 00000	USB	(AB/HFD)
<b>S06</b>	5943	4-10	2100	Fri	627 627 627 00000	USB	(AB/HFD)
<b>S06</b>	20312	18-10	0830	Fri	842 670 34 09078 ...	USB	(HFD-HK)
<b>S06</b>	16237	18-10	0930	Fri	842 670 34 09078 ...	USB	(HFD-HK)
<b>S06</b>	8191	18-10	2000	Fri	627 627 627 00000	USB	(AB)
<b>S06</b>	5943	18-10	2100	Fri	627 627 627 00000	USB	(AB)
<b>S06s</b>	5760	1-10	0700	Tue	452 413 6 00972 52098 46877 29807 13587 94330 813 6 00000	USB	(AB-POL)
<b>S06s</b>	6930	1-10	0710	Tue	452 413 6 00972 52098 46877 29807 13587 94330 813 6 00000	USB	(AB)
<b>S06s</b>	7425	1-10	0730	Tue	427 519 6 74288 54520 84648 24042 75956 61621 519 6 00000	USB	(AB)



S06s	11560	1-10	0740	Tue	427 519 6 74288 54520 84648 24042 75956 61621 519 6 00000	USB	(AB)
S06s	11636	1-10	0800	Tue	127 436 5 33098 39998 30666 35947 83964 436 5 00000	AM/USB	(AB)
S06s	10421	1-10	0810	Tue	127 436 5 33098 39998 30666 35947 83964 436 5 00000	AM/USB	(AB)
S06s	6410	1-10	1000	Tue	427 831 6 40407 35598 48889 31151 32860 70061 831 6 00000	USB	(AB)
S06s	7340	1-10	1010	Tue	427 831 6 40407 35598 48889 31151 32860 70061 831 6 00000	USB	(AB)
S06s	6190	1-10	1100	Tue	265 430 7 75911 38721 35333 32537 42983 73120 49855 430 7 00000	USB	(AB/MPJ)
S06s	7230	1-10	1110	Tue	265 430 7 75911 38721 35333 32537 42983 73120 49855 430 7 00000	USB	(AB/MPJ)
S06s	6464	1-10	1500	Tue	914 837 5 14109 03034 25258 10259 03596 837 5 00000	USB	(AB-AUT/MPJ)
S06s	7242	1-10	1510	Tue	914 837 5 14109 03034 25258 10259 03596 837 5 00000	USB	(AB-AUT/MPJ)
S06s	11530	2-10	0730	Wed	172 940 5 37931 35379 35372 36941 49140 940 5 00000	USB	(AB-AUT)
S06s	12140	2-10	0740	Wed	172 940 5 37931 35379 35372 36941 49140 940 5 00000	USB	(AB)
S06s	9082	2-10	0830	Wed	464 801 5 42069 30913 32098 31335 36683 801 5 00000	USB	(AB)
S06s	9952	2-10	0840	Wed	464 801 5 42069 30913 32098 31335 36683 801 5 00000	USB	(AB)
S06s	13365	2-10	1000	Wed	276 890 5 83208 37829 47458 42867 39654 890 5 00000	USB	(AB)
S06s	14505	2-10	1010	Wed	276 890 5 83208 37829 47458 42867 39654 890 5 00000	USB	(AB)
S06s	9081	3-10	0930	Thu	698 214 5 31896 36853 33779 32814 47565 214 5 00000	USB	(AB)
S06s	10514	3-10	0940	Thu	698 214 5 31896 36853 33779 32814 47565 214 5 00000	USB	(AB)
S06s	12415	3-10	1200	Thu	175 498 6 83208 37829 47458 42867 39654 42387 498 6 00000	USB	(AB/MPJ)
S06s	14212	3-10	1210	Thu	175 498 6 83208 37829 47458 42867 39654 42387 498 6 00000	USB	(AB/MPJ)
S06s	12140	4-10	0630	Fri	156 284 7 46062 68672 97478 39685 30485 96632 52537 284 7 00000	USB	(AB)
S06s	13515	4-10	0640	Fri	156 284 7 46062 68672 97478 39685 30485 96632 52537 284 7 00000	USB	(AB)
S06s	5744	4-10	0900	Fri	239 816 5 33796 13577 74526 46647 79302 816 5 00000	USB	(AB)
S06s	6524	4-10	0910	Fri	239 816 5 33796 13577 74526 46647 79302 816 5 00000	USB	(AB)
S06s	10350	5-10	0800	Sat	132 904 5 98058 55693 97628 61154 97511 904 5 00000	USB	(AB/HFD)
S06s	8520	5-10	0810	Sat	132 904 5 98058 55693 97628 61154 97511 904 5 00000	USB	(AB/HFD)
S06s	22185	7-10	0630	Mon	462 ...	USB	(AB-FIN)
S06s	20050	7-10	0640	Mon	462 ...	USB	(AB-FIN)
S06s	9220	7-10	0830	Mon	764 932 5 98058 44693 07628 61154 97511 off	USB	(AB)
S06s	8270	7-10	0840	Mon	764 932 5 98058 44693 07628 61154 97511 then at 0846 UTC 764 (R) 932 5 00000	USB	(AB)
S06s	14581	7-10	0900	Mon	232 587 6 33640 35358 41385 89503 37671 24047 587 6 00000	AM/USB	(AB-FIN/HFD)
S06s	13166	7-10	0910	Mon	232 587 6 33640 35358 41385 89503 37671 24047 587 6 00000	AM/USB	(AB-FIN/HFD)
S06s	9145	7-10	1200	Mon	149 805 6 87855 43367 99630 42128 31622 07628 805 6 00000	USB	(AB/MPJ)
S06s	11460	7-10	1210	Mon	149 805 6 87855 43367 99630 42128 31622 07628 805 6 00000	USB	(AB/MPJ)
S06s	15855	8-10	0600	Tue	438 276 5 33584 40485 36170 43306 37796 276 5 00000	USB	(AB-POL)
S06s	16485	8-10	0610	Tue	438 276 5 33584 40485 36170 43306 37796 276 5 00000	USB	(AB-POL)
S06s	5760	8-10	0700	Tue	452 413 6 00972 52098 46877 29807 13587 94330 813 6 00000	USB	(AB)
S06s	6930	8-10	0710	Tue	452 413 6 00972 52098 46877 29807 13587 94330 813 6 00000	USB	(AB)
S06s	7425	8-10	0730	Tue	427 519 6 74288 54520 84648 24042 75956 61621 519 6 00000	USB	(AB)
S06s	11560	8-10	0740	Tue	427 519 6 74288 54520 84648 24042 75956 61621 519 6 00000	USB	(AB)
S06s	11636	8-10	0800	Tue	127 436 5 33098 39998 30666 35947 83964 436 5 00000	AM/USB	(AB)

S06s	10421	8-10	0810	Tue	127 436 5 33098 39998 30666 35947 83964 436 5 00000	AM/USB	(AB)
S06s	6410	8-10	1000	Tue	427 831 6 40407 35598 48889 31151 32860 70061 831 6 00000	USB	(AB-POL)
S06s	7340	8-10	1010	Tue	427 831 6 40407 35598 48889 31151 32860 70061 831 6 00000	USB	(AB)
S06s	6190	8-10	1100	Tue	265 430 7 75911 38721 35333 32537 42983 73120 49855 430 7 00000	USB	(AB/MPJ-AUT)
S06s	7230	8-10	1110	Tue	265 430 7 75911 38721 35333 32537 42983 73120 49855 430 7 00000	USB	(AB/MPJ-AUT)
S06s	6464	8-10	1500	Tue	914 837 5 14109 03034 25258 10259 03596 837 5 00000	USB	(AB/MPJ)
S06s	7242	8-10	1510	Tue	914 837 5 14109 03034 25258 10259 03596 837 5 00000	USB	(AB/MPJ)
S06s	11530	9-10	0730	Wed	172 940 5 37931 35379 35372 36941 49140 940 5 00000	USB	(AB-UKR)
S06s	12140	9-10	0740	Wed	172 940 5 37931 35379 35372 36941 49140 940 5 00000	USB	(AB)
S06s	9082	9-10	0830	Wed	464 801 5 42069 30913 32098 31335 36683 801 5 00000	USB	(AB)
S06s	9952	9-10	0840	Wed	464 801 5 42069 30913 32098 31335 36683 801 5 00000	USB	(AB)
S06s	13365	9-10	1000	Wed	276 890 5 83208 37829 47458 42867 39654 890 5 00000	USB	(AB)
S06s	14505	9-10	1010	Wed	276 890 5 83208 37829 47458 42867 39654 890 5 00000	USB	(AB)
S06s	9081	10-10	0930	Thu	698 214 5 31896 36853 33779 32814 47565 214 5 00000	USB	(AB)
S06s	10514	10-10	0940	Thu	698 214 5 31896 36853 33779 32814 47565 214 5 00000	USB	(AB)
S06s	12415	10-10	1200	Thu	175 498 6 83208 37829 47458 42867 39654 42387 498 6 00000	USB	(AB/MPJ)
S06s	14212	10-10	1210	Thu	175 498 6 83208 37829 47458 42867 39654 42387 498 6 00000	USB	(AB/MPJ)
S06s	12140	11-10	0630	Fri	156 284 7 46062 68672 97478 39685 30485 96632 52537 284 7 00000	USB	(AB)
S06s	13515	11-10	0640	Fri	156 284 7 46062 68672 97478 39685 30485 96632 52537 284 7 00000	USB	(AB)
S06s	5744	11-10	0900	Fri	239 816 5 33796 13577 74526 46647 79302 816 5 00000	USB	(AB)
S06s	6524	11-10	0910	Fri	239 816 5 33796 13577 74526 46647 79302 816 5 00000	USB	(AB)
S06s	22185	14-10	0630	Mon	462 891 5 43798 ...	USB	(HFD-QAT)
S06s	20050	14-10	0643	Mon	462 891 5 43798 ...	USB	(HFD-QAT)
S06s	9220	14-10	0830	Mon	764 932 5 98058 44693 07628 61154 97511 932 5 00000	USB	(AB)
S06s	8270	14-10	0840	Mon	764 932 5 98058 44693 07628 61154 97511 932 5 00000	USB	(AB)
S06s	14581	14-10	0900	Mon	232 587 6 33640 35358 41385 89503 37671 24047 587 6 00000	AM/USB	(AB)
S06s	13166	14-10	0910	Mon	232 587 6 33640 35358 41385 89503 37671 24047 587 6 00000	AM/USB	(AB)
S06s	9145	14-10	1200	Mon	149 805 6 87855 43367 99630 42128 31622 07628 805 6 00000	USB	(AB/MPJ)
S06s	11460	14-10	1210	Mon	149 805 6 87855 43367 99630 42128 31622 07628 805 6 00000	USB	(AB/MPJ)
S06s	15855	15-10	0600	Tue	438 571 6 54545 50128 99477 83574 48874 94031 571 6 00000	USB	(AB-POL)
S06s	16485	15-10	0610	Tue	438 571 6 54545 50128 99477 83574 48874 94031 571 6 00000	USB	(AB-POL)
S06s	5760	15-10	0700	Tue	452 983 6 21767 53672 11834 81022 36903 41412 983 6 00000	USB	(AB)
S06s	6930	15-10	0710	Tue	452 983 6 21767 53672 11834 81022 36903 41412 983 6 00000	USB	(AB)
S06s	7425	15-10	0730	Tue	427 501 6 30485 96632 52537 53317 06675 41736 501 6 00000	USB	(AB)
S06s	11560	15-10	0740	Tue	427 501 6 30485 96632 52537 53317 06675 41736 501 6 00000	USB	(AB)
S06s	11636	15-10	0800	Tue	127 906 5 41412 21767 53672 11834 86415 906 5 00000	AM/USB	(AB)
S06s	10421	15-10	0810	Tue	127 906 5 41412 21767 53672 11834 86415 906 5 00000	AM/USB	(AB)
S06s	6410	15-10	1000	Tue	427 908 5 42997 94184 47374 74154 08431 908 5 00000	USB	(AB-POL)
S06s	7340	15-10	1010	Tue	427 908 5 42997 94184 47374 74154 08431 908 5 00000	USB	(AB)
S06s	6190	15-10	1100	Tue	265 803 7 32403 88443 36772 98493 36340 32048 34338 803 7 00000	USB	(AB)

S06s	7230	15-10	1110	Tue	265 803 7 32403 88443 36772 98493 36340 32048 34338 803 7 00000	USB	(AB)
S06s	6464	15-10	1500	Tue	914 283 5 85258 38303 48833 37437 55584 283 5 00000	USB	(AB/MPJ)
S06s	7242	15-10	1510	Tue	914 283 5 85258 38303 48833 37437 55584 283 5 00000	USB	(AB/MPJ)
S06s	11530	16-10	0730	Wed	172 438 5 33640 38293 43330 32403 98493 438 5 00000	USB	(AB)
S06s	12140	16-10	0740	Wed	172 438 5 33640 38293 43330 32403 98493 438 5 00000	USB	(AB)
S06s	9082	16-10	0830	Wed	464 513 7 42990 33000 32968 35332 36880 33582 44060 513 7 00000	USB	(AB)
S06s	9952	16-10	0840	Wed	464 513 7 42990 33000 32968 35332 36880 33582 44060 513 7 00000	USB	(AB)
S06s	13365	16-10	1000	Wed	276 894 5 33584 40485 46170 43306 37795 894 5 00000	USB	(AB)
S06s	14505	16-10	1010	Wed	276 894 5 33584 40485 46170 43306 37795 894 5 00000	USB	(AB)
S06s	9081	17-10	0930	Thu	698 245 7 46062 68672 97478 39685 30485 96632 52537 245 7 00000	USB	(AB)
S06s	10514	17-10	0940	Thu	698 245 7 46062 68672 97478 39685 30485 96632 52537 245 7 00000	USB	(AB)
S06s	12415	17-10	1200	Thu	175 920 6 21767 53672 11834 81022 36903 42422 920 6 00000	USB	(AB)
S06s	14212	17-10	1210	Thu	175 920 6 21767 53672 11834 81022 36903 42422 920 6 00000	USB	(AB)
S06s	12140	18-10	0630	Fri	156 947 8 42990 33000 32968 35332 36880 33582 44060 33600 947 8 00000	USB	(AB)
S06s	13515	18-10	0640	Fri	156 947 8 42990 33000 32968 35332 36880 33582 44060 33600 947 8 00000	USB	(AB)
S06s	5744	18-10	0900	Fri	239 401 5 35384 40485 46170 43306 37796 401 5 00000	USB	(AB)
S06s	6524	18-10	0910	Fri	239 401 5 35384 40485 46170 43306 37796 401 5 00000	USB	(AB)
S06s	22185	21-10	0630	Mon	462 580 7 38433 25858 25373 64485 55554 59477 27555 580 7 00000	USB	(AB-POL)
S06s	20050	21-10	0640	Mon	462 580 7 38433 25858 25373 64485 55554 59477 27555 580 7 00000	USB	(AB-POL)
S06s	9220	21-10	0830	Mon	764 803 5 55528 32766 50512 04454 66993 803 5 00000	USB	(AB)
S06s	8270	21-10	0840	Mon	764 803 5 55528 32766 50512 04454 66993 803 5 00000	USB	(AB)
S06s	14581	21-10	0900	Mon	232 471 5 27849 62279 35894 30775 05586 471 5 00000	AM/USB	(AB-G)
S06s	13166	21-10	0910	Mon	232 471 5 27849 62279 35894 30775 05586 471 5 00000	AM/USB	(AB)
S06s	9145	21-10	1200	Mon	149 867 5 44059 38695 49509 60768 53282 867 5 00000	USB	(AB/MPJ)
S06s	11460	21-10	1210	Mon	149 867 5 44059 38695 49509 60768 53282 867 5 00000	USB	(AB/MPJ)
S06s	15855	22-10	0600	Tue	438 571 6 54545 50128 99477 83574 48874 94031 571 6 00000	USB	(AB-POL)
S06s	16485	22-10	0610	Tue	438 571 6 54545 50128 99477 83574 48874 94031 571 6 00000	USB	(AB-POL)
S06s	5760	22-10	0700	Tue	452 983 6 21767 53672 11834 81022 36903 41412 983 6 00000	USB	(AB)
S06s	6930	22-10	0710	Tue	452 983 6 21767 53672 11834 81022 36903 41412 983 6 00000	USB	(AB)
S06s	7425	22-10	0730	Tue	427 501 6 30485 96632 52537 53317 06675 41736 501 6 00000	USB	(AB)
S06s	11560	22-10	0740	Tue	427 501 6 30485 96632 52537 53317 06675 41736 501 6 00000	USB	(AB)
S06s	11636	22-10	0800	Tue	127 906 5 41412 21767 53672 11834 86415 906 5 00000	AM/USB	(AB)
S06s	10421	22-10	0810	Tue	127 906 5 41412 21767 53672 11834 86415 906 5 00000	AM/USB	(AB)
S06s	6410	22-10	1000	Tue	427 908 5 42997 94184 47374 74154 08431 908 5 00000	USB	(AB-POL/MPJ)
S06s	7340	22-10	1010	Tue	427 908 5 42997 94184 47374 74154 08431 908 5 00000	USB	(AB/MPJ)
S06s	6190	22-10	1100	Tue	265 803 7 32403 88443 36772 98493 36340 32048 34338 803 7 00000	USB	(AB)
S06s	7230	22-10	1110	Tue	265 803 7 32403 88443 36772 98493 36340 32048 34338 803 7 00000	USB	(AB)
S06s	6464	22-10	1500	Tue	914 283 5 85258 38303 48833 37437 55584 283 5 00000	USB	(AB/MPJ)
S06s	7242	22-10	1510	Tue	914 283 5 85258 38303 48833 37437 55584 283 5 00000	USB	(AB/MPJ)
S06s	11530	23-10	0730	Wed	172 438 5 33640 38293 43330 32403 98493 438 5 00000	USB	(AB)

S06s	12140	23-10	0740	Wed	172 438 5 33640 38293 43330 32403 98493 438 5 00000	USB	(AB)
S06s	9082	23-10	0830	Wed	464 513 7 42990 33000 32968 35332 36880 33582 44060 513 7 00000	USB	(AB)
S06s	9952	23-10	0840	Wed	464 513 7 42990 33000 32968 35332 36880 33582 44060 513 7 00000	USB	(AB)
S06s	13365	23-10	1000	Wed	276 894 5 33584 40485 46170 43306 37795 894 5 00000	USB	(AB)
S06s	14505	23-10	1010	Wed	276 894 5 33584 40485 46170 43306 37795 894 5 00000	USB	(AB)
S06s	9115	24-10	0705	Thu	Tests. Repeating 274	USB	(ES)
S06s	9081	24-10	0930	Thu	698 245 7 46062 68672 97478 39685 30485 96632 52537 245 7 00000	USB	(AB)
S06s	10514	24-10	0940	Thu	698 245 7 46062 68672 97478 39685 30485 96632 52537 245 7 00000	USB	(AB)
S06s	12415	24-10	1200	Thu	175 920 6 21767 53672 11834 81022 36903 42422 920 6 00000	USB	(AB/MPJ)
S06s	14212	24-10	1210	Thu	175 920 6 21767 53672 11834 81022 36903 42422 920 6 00000	USB	(AB/MPJ)
S06s	12140	25-10	0630	Fri	156 947 8 42990 33000 32968 35332 36880 33582 44060 33600 947 8 00000	USB	(AB)
S06s	13515	25-10	0640	Fri	156 947 8 42990 33000 32968 35332 36880 33582 44060 33600 947 8 00000	USB	(AB)
S06s	5744	25-10	0900	Fri	239 401 5 35384 40485 46170 43306 37796 401 5 00000	USB	(AB)
S06s	6524	25-10	0910	Fri	239 401 5 35384 40485 46170 43306 37796 401 5 00000	USB	(AB)
S06s	22185	28-10	0630	Mon	462 580 7 38433 25858 25373 64485 55554 59477 27555 580 7 00000	USB	(AB-KWT)
S06s	20050	28-10	0640	Mon	462 580 7 38433 25858 25373 64485 55554 59477 27555 580 7 00000	USB	(AB-KWT)
S06s	9220	28-10	0830	Mon	764 803 5 55528 32766 50512 04454 66993 803 5 00000	USB	(AB)
S06s	8270	28-10	0840	Mon	764 803 5 55528 32766 50512 04454 66993 803 5 00000	USB	(AB)
S06s	14581	28-10	0900	Mon	232 471 5 27849 62279 35894 30775 05586 471 5 00000	AM/USB	(AB)
S06s	13166	28-10	0910	Mon	232 471 5 27849 62279 35894 30775 05586 471 5 00000	AM/USB	(AB)
S06s	9145	28-10	1200	Mon	149 867 5 44059 38695 49509 60768 53282 867 5 00000	USB	(AB/MPJ)
S06s	11460	28-10	1210	Mon	149 867 5 44059 38695 49509 60768 53282 867 5 00000	USB	(AB/MPJ)
S06s	15855	29-10	0600	Tue	438 438 438 00000	USB	(AB-POL)
S06s	16485	29-10	0610	Tue	438 438 438 00000	USB	(AB-POL)
S06s	5760	29-10	0700	Tue	452 452 452 00000	USB	(AB)
S06s	6930	29-10	0710	Tue	452 452 452 00000	USB	(AB)
S06s	7425	29-10	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11560	29-10	0740	Tue	427 427 427 00000	USB	(AB)
S06s	11636	29-10	0800	Tue	127 127 127 00000	AM/USB	(AB)
S06s	10421	29-10	0810	Tue	127 127 127 00000	AM/USB	(AB)
S06s	6410	29-10	1000	Tue	427 427 427 00000	USB	(AB)
S06s	7340	29-10	1010	Tue	427 427 427 00000	USB	(AB)
S06s	6190	29-10	1100	Tue	265 265 265 00000	USB	(AB/MPJ)
S06s	7230	29-10	1110	Tue	265 265 265 00000	USB	(AB/MPJ)
S06s	6464	29-10	1500	Tue	914 914 914 00000	USB	(AB/MPJ)
S06s	7242	29-10	1510	Tue	914 914 914 00000	USB	(AB/MPJ)
S06s	11530	30-10	0730	Wed	172 172 172 00000	USB	(AB)
S06s	12140	30-10	0740	Wed	172 172 172 00000	USB	(AB)
S06s	9082	30-10	0830	Wed	464 464 464 00000	USB	(AB)
S06s	9952	30-10	0840	Wed	464 464 464 00000	USB	(AB)

<b>S06s</b>	13365	30-10	1000	Wed	276 276 276 00000	USB	(AB)
<b>S06s</b>	14505	30-10	1010	Wed	276 276 276 00000	USB	(AB)
<b>S06s</b>	9081	31-10	0930	Thu	698 698 698 00000	USB	(AB)
<b>S06s</b>	10514	31-10	0940	Thu	698 698 698 00000	USB	(AB)
<b>S06s</b>	12415	31-10	1200	Thu	175 175 175 00000	USB	(AB/MPJ)
<b>S06s</b>	14212	31-10	1210	Thu	175 175 175 00000	USB	(AB/MPJ)
<b>S11a</b>	7469	1-10	1020	Tue	420/35 Vnimanaye 69409 03937 28946 ... 79181 56058 29229 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	6344	2-10	1100	Wed	373/00	USB	(AB/MPJ)
<b>S11a</b>	4505	4-10	0915	Fri	484/00	USB	(AB)
<b>S11a</b>	7469	4-10	1020	Fri	420/35 Vnimanaye 69409 03937 28946 ... 79181 56058 29229 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	6433	4-10	1100	Fri	371/00	USB	(AB/MPJ)
<b>S11a</b>	10213	5-10	1850	Sat	285/00	USB	(AB/MPJ)
<b>S11a</b>	11116	7-10	0510	Mon	651/00	USB	(AB-POL)
<b>S11a</b>	4505	7-10	0915	Mon	486/00	USB	(AB)
<b>S11a</b>	7469	8-10	1020	Tue	420/00	USB	(AB)
<b>S11a</b>	11116	9-10	0510	Wed	654/00	USB	(AB)
<b>S11a</b>	6344	9-10	1100	Wed	372/00	USB	(AB/MPJ)
<b>S11a</b>	10213	9-10	1850	Wed	287/00	USB	(AB/MPJ)
<b>S11a</b>	4505	11-10	0915	Fri	481/00	USB	(AB)
<b>S11a</b>	7469	11-10	1020	Fri	429/00	USB	(AB)
<b>S11a</b>	6433	11-10	1100	Fri	379/00	USB	(AB/MPJ)
<b>S11a</b>	10213	12-10	1850	Sat	287/00	USB	(AB/MPJ)
<b>S11a</b>	11116	14-10	0510	Mon	650/00	USB	(AB)
<b>S11a</b>	4505	14-10	0915	Mon	487/00	USB	(AB)
<b>S11a</b>	7469	15-10	1020	Tue	422/00	USB	(AB)
<b>S11a</b>	11116	16-10	0510	Wed	651/00	USB	(AB)
<b>S11a</b>	6344	16-10	1100	Wed	379/36 Vnimanaye 01115 44384 91626 ... 61377 26685 63260 Vnimanaye (message repeated) Vnimanaye	USB	(AB)
<b>S11a</b>	10213	16-10	1850	Wed	281/36 Vnimanaye 45767 78188 06032 ... 04930 67946 04367 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	4505	18-10	0915	Fri	487/00	USB	(AB)
<b>S11a</b>	7469	18-10	1020	Fri	420/00	USB	(AB)
<b>S11a</b>	6433	18-10	1100	Fri	379/36 Vnimanaye 01115 44384 91626 ... 61377 26685 63260 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	10213	19-10	1850	Sat	281/36 Vnimanaye 45767 78188 06032 ... 04930 67946 04367 Vnimanaye (message repeated) Konets	USB	(AB)
<b>S11a</b>	11116	21-10	0510	Mon	656/31 Vnimanaye 02676 96904 25488 ... 57824 87950 88767 Vnimanaye (message repeated) Konets	USB	(AB-POL)

S11a	4505	21-10	0915	Mon	484/34 Vnmaniye 57134 85448 92892 ... 23670 38139 92749 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	7469	22-10	1020	Tue	427/00	USB	(AB)
S11a	11116	23-10	0510	Wed	656/31 Vnmaniye 02676 96904 25488 ... 57824 87950 88767 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	6344	23-10	1100	Wed	371/00	USB	(AB/MPJ)
S11a	10213	23-10	1850	Wed	281/00	USB	(AB)
S11a	4505	25-10	0915	Fri	484/34 Vnmaniye 57134 85448 92892 ... 23670 38139 92749 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	7469	25-10	1020	Fri	429/00	USB	(AB)
S11a	6433	25-10	1100	Fri	378/00	USB	(AB/MPJ)
S11a	10213	26-10	1850	Sat	280/00	USB	(AB/MPJ)
S11a	11116	28-10	0510	Mon	651/00	USB	(AB-POL)
S11a	4505	28-10	0915	Mon	480/00	USB	(AB)
S11a	7469	29-10	1020	Tue	427/00	USB	(AB)
S11a	11116	30-10	0510	Wed	656/00	USB	(AB-POL)
S11a	6344	30-10	1100	Wed	376/00	USB	(AB/MPJ)
S11a	10213	30-10	1850	Wed	282/00	USB	(MPJ)
S28	4625	12-10	1652	Sat	Russian military. Buzzer channel marker	USB	(AB)
S30	5448	8-10	0857	Tue	8S1Shch ??544 CAKARIT 8458 8523 missed start of header group	USB	(Gwr)
S30	5448	8-10	0928	Tue	8S1Shch 06270 YeDINOVYeRNYJ 7571 1936	USB	(Gwr)
S30	5448	8-10	0937	Tue	8S1Shch 36687 BATYuShKA 8008 1132	USB	(Gwr)
S30	5448	8-10	0940	Tue	8S1Shch 82755 NIKUDYShNYJ 0170 6054	USB	(Gwr)
S30	5448	8-10	0950	Tue	8S1Shch 46943 VODOLYuB 8935 3991	USB	(Gwr)
S30	5448	8-10	0956	Tue	8S1Shch 86875 KARTOPAN 5554 8721	USB	(Gwr)
S30	3756	12-10	1657	Sat	Russian military. Pip channel marker	USB	(AB)
S30	5448	14-10	0955	Mon	8S1Shch 89687 DYeNATURAT 3391 7085	USB	(Gwr)
S30	5448	14-10	1000	Mon	Says "vremya priema" instead of "moskovska vremya" 5J7Shch 80116 AMPUTACIYa 5514 8536	USB	(Gwr)
S30	5448	14-10	1005	Mon	8S1Shch 16006 NYeIMYeNIYe 2953 0736	USB	(Gwr)
S30	5448	17-10	1137	Thu	8S1Shch 80676 KRATOVGIB 9038 4487	USB	(Gwr)
S30	5448	24-10	0931	Thu	8S1Shch 71789 NADOMNIK 4345 3155	USB	(Gwr)
S30	5448	24-10	1125	Thu	ZBIL L7O5 V'Z' NLCYe V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ	USB	(Gwr)
S30	5448	28-10	1107	Mon	8S1Shch 85529 BORACIT 8072 2720	USB	(Gwr)
S30	5448	28-10	1208	Mon	8S1Shch 05662 MORION 2116 1897	USB	(Gwr)
S30	5448	28-10	1418	Mon	42BV 81BR M7KS PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh	USB	(Gwr)
S30	5448	29-10	0950	Tue	8S1Shch 47088 KARDANNYJ 9957 3508	USB	(Gwr)
S30	5448	29-10	1041	Tue	8S1Shch PROVYeRKA VYZOVA 4321 1234	USB	(Gwr)
S30	5448	29-10	1125	Tue	Timestamp ommitted. 8S1Shch 29569 AMUROPAL 2974 9768	USB	(Gwr)
S30	5448	29-10	1133	Tue	CIHS Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR	USB	(Gwr)
S30	5448	31-10	0946	Thu	8S1Shch 43507 BRYeGOHROM 8095 4811	USB	(Gwr)



S30	5448	31-10	1115	Thu	S7ZhG 27017 BYKOPAH 4233 5552	USB	(Gwr)
S30	5448	31-10	1231	Thu	8S1Shch 50281 GYeNYeTIKA 9181 6924	USB	(Gwr)
S30	5448	31-10	1237	Thu	DYeAY JH'J 12CI 79AJ ShchT3O CIHS Z7PM S7ZhG Z'1B CI9V	USB	(Gwr)
S32	5473	8-10	0858	Tue	Al'fa-45 90582 KAPITAL 3213 0561	USB	(Gwr)
S32	5473	8-10	0938	Tue	Al'fa-45 08461 BYeZRABOTNYJ 1200 4412	USB	(Gwr)
S32	5473	8-10	0948	Tue	Al'fa-45 20179 VKUSOHLAM 3516 1844 (sent by M32 at 0946 UTC)	USB	(Gwr)
S32	5473	8-10	0954	Tue	Al'fa-45 97805 DUMNYJ 5640 6051	USB	(Gwr)
S32	5473	8-10	0958	Tue	Al'fa-45 99519 NIMBOVAR 1146 7156	USB	(Gwr)
S32	5474	9-10	1423	Wed	Squeaky Wheel channel marker	USB	(AB)
S32	3828	12-10	1657	Sat	Russian military. Squeaky Wheel channel marker	USB	(AB)
S32	5473	14-10	1000	Mon	Al'fa-45 07651 NYeDOLGIJ 9999 9853	USB	(Gwr)
S32	5473	14-10	1008	Mon	Al'fa-45 82001 GIChKA 5591 0976	USB	(Gwr)
S32	5473	17-10	1123	Thu	Al'fa-45 50218 ZALYeTNYJ 9347 8545	USB	(Gwr)
S32	5473	17-10	1142	Thu	Al'fa-45 25638 OBUHORUL' 2773 9405	USB	(Gwr)
S32	5473	24-10	0934	Thu	Al'fa-45 88689 LOGOSIM 7171 5667	USB	(Gwr)
S32	5473	28-10	0941	Mon	A'lf-45 08743 BYeLOLICYJ 6074 6179	USB	(Gwr)
S32	5473	28-10	1111	Mon	Al'fa-45 75464 GAZOSVARShchIK 9038 3532	USB	(Gwr)
S32	5473	28-10	1213	Mon	Al'fa-45 77571 VYChISLIMYJ 4546 9337	USB	(Gwr)
S32	5473	28-10	1436	Mon	Yahta-94 Firna-85 Sliva-94 Alyeut-09 Ruzh'e-26 Burka-37 Kurgan-40	USB	(Gwr)
S32	5473	29-10	0955	Tue	Al'fa-45 18272 KLIKOSYeKS 0616 2294	USB	(Gwr)
S32	5473	29-10	1048	Tue	Al'fa-45 PROVYeRKA VYZOVA 4321 1234	USB	(Gwr)
S32	5473	29-10	1130	Tue	Al'fa-45 23461 OBLADAN'Ye 4562 6658	USB	(Gwr)
S32	5473	31-10	0952	Thu	Al'fa-45 86186 ZhILIShchYe 8286 2177	USB	(Gwr)
S32	5473	31-10	1235	Thu	Al'fa-45 09947 NYePRILICHNYJ 0235 6395	USB	(Gwr)
UM10	3865	2-10	1853	Wed	10-minutes net: KTR4	CW	(JPL-J)
UM10	6920	4-10	0753	Fri	10-minutes net: L65K	CW	(JPL-J)
UM10	3238	4-10	1551	Fri	10-minutes net: D6AN	CW	(JPL-J)
UM10	3865	4-10	1554	Fri	10-minutes net: KTR4	CW	(JPL-J)
UM10	6920	26-10	0655	Sat	10-minutes net: L65K //5735 kHz	CW	(F5JBR-J)
UM10	5735	26-10	0720	Sat	10-minutes net: L65K //6920 kHz	CW	(F5JBR-J)
UM10	5762	26-10	0721	Sat	10-minutes net: L3AD //6877 kHz	CW	(F5JBR-J)
UM10	3865	26-10	1150	Sat	10-minutes net: KTR4 //3206 kHz	CW	(F5JBR-J)
UM10	3238	26-10	1151	Sat	10-minutes net: D6AN //3698 kHz	CW	(F5JBR-J)
V07	15925	6-10	0100	Sun	974 974 974 1 6394 92 67479 15231 73325 ... 05304 05001 000 000	USB	(Dan/HFD-USA)
V07	14725	6-10	0120	Sun	974 974 974 1 6394 92 67479 15231 73325 ... 05304 05001 000 000	USB	(Dan/HFD-USA)
V07	13425	6-10	0140	Sun	974 974 974 1 6394 92 67479 15231 73325 ... 05304 05001 000 000	USB	(Dan/HFD-USA)
V07	13425	13-10	0100	Sun	974 974 974 1 2776 30 91025 82772 91386 ... 47548 13367 42294 000 000	USB	(Dan)
V07	14725	13-10	0100	Sun	974 974 974 1 2776 30 91025 82772 91386 ... 47548 13367 42294 000 000	USB	(Dan)
V07	15925	13-10	0100	Sun	974 974 974 1 2776 30 91025 82772 91386 ... 47548 13367 42294 000 000	USB	(Dan)
V07	13425	20-10	0100	Sun	974 974 974 1 544 32 544 32 30239 68972 26147 ... 67566 50013 22764 000 000	USB	(Dan)

V07	14725	20-10	0100	Sun	974 974 974 1 544 32 544 32 30239 68972 26147 ... 67566 50013 22764 000 000	USB	(Dan)
V07	15925	20-10	0100	Sun	974 974 974 1 544 32 544 32 30239 68972 26147 ... 67566 50013 22764 000 000	USB	(Dan)
V07	15925	27-10	0100	Sun	974 974 974 000	USB	(Dan/BW3-J)
V07	14725	27-10	0120	Sun	974 974 974 000	USB	(Dan)
V24	5290	3-10	1430	Thu	K-popsong followed by a message in Korean	AM	(MDK2)
V24	5290	7-10	1430	Mon	Music followed by a message in Korean	AM	(MDK2)
V24	4925	11-10	1430	Fri	K-popsong followed by a message in Korean	AM	(AB-J)
V24	4925	15-10	1430	Tue	Dvorak piano music followed by a message in Korean	AM	(AB-J)
V26	4243	22-10	1210	Tue	Switched to Chinese voice. Female operator //9054	USB	(JPL)
V26	9054	22-10	1210	Tue	Switched to Chinese voice. Female operator //4243	USB	(JPL)
V28	2930	3-10	1300	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	3-10	1300	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5157	3-10	1302	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4620	3-10	1303	Thu	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3050	3-10	2200	Thu	Parrot. Messages in Korean.	AM	(HK)
V28	4494	3-10	2200	Thu	Parrot. Messages in Korean.	AM	(HK)
V28	3518	5-10	1300	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	4646	5-10	1300	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	5141	5-10	1300	Sat	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2932	5-10	1302	Sat	Parrot. Messages in Korean.	AM	(HK)
V28	3049	11-10	2204	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4974	11-10	2204	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4497	11-10	2215	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2994	15-10	2200	Tue	Parrot. Messages in Korean. Male and female operators	AM	(HK)
V28	3050	15-10	2200	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4494	15-10	2200	Tue	Parrot. Messages in Korean	AM	(HK)
V28	4494	15-10	2200	Tue	Parrot. Messages in Korean. Comes from 4972 kHz	AM	(HK)
V28	4497	15-10	2200	Tue	Parrot. Messages in Korean. Spur	AM	(HK)
V28	4504	15-10	2200	Tue	Parrot. Messages in Korean. Spur	AM	(HK)
V28	4508	15-10	2200	Tue	Parrot. Messages in Korean. Spur	AM	(HK)
V28	4971	15-10	2200	Tue	Parrot. Messages in Korean. Moves to 4972 and then to 4494 kHz	AM	(HK)
V28	4972	15-10	2200	Tue	Parrot. Messages in Korean. Comes from 4971 kHz	AM	(HK)
V28	2996	18-10	2205	Fri	Parrot. Messages in Korean. Male and female operators	AM	(HK)
V28	3049	18-10	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4495	18-10	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4982.5	18-10	2205	Fri	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3518	21-10	1304	Mon	Parrot. Message in Korean.	AM	(HK)
V28	4644	21-10	1304	Mon	Parrot. Message in Korean.	AM	(HK)
V28	3050	23-10	2200	Wed	Parrot. Message in Korean.	AM	(HK)
V28	4492	23-10	2200	Wed	Parrot. Message in Korean.	AM	(HK)



<b>V28</b>	2996	23-10	2203	Wed	Parrot. Message in Korean.	AM	(HK)
<b>V28</b>	2995	27-10	2208	Sun	Parrot. Message in Korean.	AM	(HK)
<b>V28</b>	3049	27-10	2208	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
<b>V28</b>	4494	27-10	2208	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
<b>V28</b>	2995	31-10	2200	Thu	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	3048	31-10	2200	Thu	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	4494	31-10	2200	Thu	Parrot. Messages in Korean	AM	(HK)
<b>V28</b>	4981	31-10	2200	Thu	Parrot. Messages in Korean	AM	(HK)
<b>VC01</b>	3008	26-10	1725	Sat	Chinese Robot i.p.	USB	(BW3-J)
<b>VC01</b>	6509	31-10	1328	Thu	Chinese Robot i.p.	LSB	(AB)
<b>X06</b>	11564	1-10	0618	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
<b>X06</b>	12150	2-10	0643	Wed	MFA Moscow clg 256341: Russian embassy, Beirut	MFSK-6	(AB)
<b>X06</b>	12138	2-10	0830	Wed	MFA Moscow clg 362154: Russian embassy, Athens	MFSK-6	(AB)
<b>X06</b>	11155	9-10	0755	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB)
<b>X06</b>	7988	10-10	0741	Thu	MFA Moscow clg 561243: Russian embassy Helsinki	MFSK-6	(ES-HOL)
<b>X06</b>	17475	14-10	0818	Mon	MFA Moscow clg 156234: unid Russian embassy in Africa	MFSK-6	(Danix)
<b>X06</b>	12101	14-10	0838	Mon	MFA Moscow clg 431625: Russian embassy Warsaw	MFSK-6	(Danix)
<b>X06</b>	12109	14-10	0848	Mon	MFA Moscow clg 431625: Russian embassy Warsaw	MFSK-6	(Danix)
<b>X06</b>	10372	14-10	0858	Mon	MFA Moscow clg 431625: Russian embassy Warsaw	MFSK-6	(Danix)
<b>X06</b>	13517	14-10	0932	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Danix)
<b>X06</b>	18245	16-10	1230	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
<b>X06</b>	8175	17-10	1858	Thu	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Danix)
<b>X06</b>	5826	17-10	1904	Thu	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Danix)
<b>X06</b>	16277	19-10	1446	Sat	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
<b>X06</b>	15866	19-10	1500	Sat	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
<b>X06</b>	17523	22-10	0809	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Danix)
<b>X06</b>	13510	22-10	1010	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Danix)
<b>X06</b>	17470	22-10	1013	Tue	MFA Moscow clg 216354: Russian consulate general Chennai	MFSK-6	(Danix)
<b>X06</b>	11025	22-10	1029	Tue	MFA Moscow clg 612534L Russian embassy Ashgabat	MFSK-6	(Danix)
<b>X06</b>	20950	23-10	0721	Wed	MFA Moscow clg 435621: Unid Russian embassy in Africa	MFSK-6	(Danix)
<b>X06</b>	13506	24-10	0941	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
<b>X06b</b>	13452	4-10	1133	Fri	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	6-10	1117	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	6-10	1122	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	6-10	1127	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	6-10	1132	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16169	13-10	1046	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	13-10	1048	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	13-10	1052	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16169	13-10	1052	Sun	Sequence: 111666 before XPA2	MFSK-6	(AB)

<b>X06b</b>	17469	15-10	1058	Tue	Sequence 666111 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16169	15-10	1101	Tue	Sequence 666111 before XPA2	MFSK-6	(ES-HOL)
<b>X06b</b>	14469	15-10	1102	Tue	Sequence 666111 before XPA2	MFSK-6	(ES-HOL)
<b>X06b</b>	17469	15-10	1102	Tue	Sequence 666111 before XPA2	MFSK-6	(AB)
<b>X06b</b>	12150	17-10	0756	Thu	i.p. Sequence: 111666	MFSK-6	(AB)
<b>X06b</b>	16169	22-10	1106	Tue	Sequence 611616 before XPA2	MFSK-6	(AB)
<b>X06b</b>	17469	22-10	1107	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	22-10	1109	Tue	Sequence 611616 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16169	22-10	1110	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	17469	22-10	1111	Tue	Sequence 611616 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	22-10	1115	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	17469	22-10	1116	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16169	22-10	1118	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	14469	22-10	1119	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
<b>X06b</b>	16159	30-10	0844	Wed	Sequence: 111666	MFSK-6	(ES-HOL)
<b>X06b</b>	12150	31-10	0741	Thu	Sequence: 111666	MFSK-6	(ES-HOL)
<b>X06b</b>	11250	31-10	0843	Thu	Sequence: 111666	MFSK-6	(ES-HOL)
<b>XM</b>	5342	17-10	1209	Thu	Beacon V	CW	(ES-POL)
<b>XPA1</b>	12167	1-10	0710	Tue	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	1-10	0730	Tue	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	1-10	0750	Tue	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	3-10	0710	Thu	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	3-10	0730	Thu	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	3-10	0750	Thu	249 249 249 1 08083 00090 67331 ... 98353 42150 83039	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	8-10	0710	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	13437	8-10	0730	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	14972	8-10	0750	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	10-10	0710	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	10-10	0730	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	10-10	0750	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	15-10	0710	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	15-10	0730	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	15-10	0750	Tue	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	17-10	0710	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	17-10	0730	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	17-10	0750	Thu	249 249 249 1 00484 00090 51819 ... 54336 96624 61162	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	22-10	0710	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13437	22-10	0730	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14972	22-10	0750	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
<b>XPA1</b>	12167	24-10	0710	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)

XPA1	13437	24-10	0730	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	14972	24-10	0750	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	12167	29-10	0710	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	13437	29-10	0730	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	14972	29-10	0750	Tue	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	12167	31-10	0710	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	13437	31-10	0730	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA1	14972	31-10	0750	Thu	249 249 249 1 05732 00065 30285 ... 03622 06551 22515	MFSK-20/10Bd	(AB)
XPA2	14469	1-10	1200	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	16169	1-10	1220	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	17469	1-10	1240	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	13372	2-10	0700	Wed	00643 00098 45387 ... 01051 31018 62111	MFSK-16/20Bd	(AB/HFD)
XPA2	14672	2-10	0720	Wed	00643 00098 45387 ... 01051 31018 62111	MFSK-16/20Bd	(AB/HFD)
XPA2	15872	2-10	0740	Wed	00643 00098 45387 ... 01051 31018 62111	MFSK-16/20Bd	(AB/HFD)
XPA2	17471	2-10	0910	Wed	06796 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	16149	2-10	0930	Wed	06796 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	14406	2-10	0950	Wed	06796 00001 00000 37667	MFSK-16/20Bd	(AB)
XPA2	13452	2-10	1200	Wed	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20bd	(AB)
XPA2	14452	2-10	1220	Wed	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20bd	(AB)
XPA2	15852	2-10	1240	Wed	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20bd	(AB)
XPA2	17438	3-10	0910	Thu	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB)
XPA2	16338	3-10	0930	Thu	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB)
XPA2	15938	3-10	0950	Thu	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB)
XPA2	13542	3-10	1600	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB-RUS)
XPA2	12142	3-10	1620	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB-RUS)
XPA2	11442	3-10	1640	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB-RUS)
XPA2	13452	4-10	1200	Fri	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14452	4-10	1220	Fri	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	15852	4-10	1240	Fri	06723 00100 43677 ... 75196 31733 17565	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	17438	5-10	0910	Sat	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB/HFD)
XPA2	16338	5-10	0930	Sat	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB/HFD)
XPA2	15938	5-10	0950	Sat	08940 00194 42858 ... 27156 83784 03740	MFSK-16/20Bd	(AB/HFD)
XPA2	14469	6-10	1200	Sun	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB)
XPA2	16169	6-10	1220	Sun	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB)
XPA2	17469	6-10	1240	Sun	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB/MPJ)
XPA2	13372	7-10	0700	Mon	09706 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	14672	7-10	0720	Mon	09706 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	15872	7-10	0740	Mon	09706 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	17471	7-10	0910	Mon	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB/HFD)
XPA2	16149	7-10	0930	Mon	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB/HFD)

XPA2	14406	7-10	0950	Mon	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB/HFD)
XPA2	13906	7-10	1500	Mon	05853 00234 05662 ... 46738 23548 54246	MFSK-16/20Bd	(AB/MPJ)
XPA2	12106	7-10	1520	Mon	05853 00234 05662 ... 46738 23548 54246	MFSK-16/20Bd	(AB/MPJ)
XPA2	10906	7-10	1540	Mon	05853 00234 05662 ... 46738 23548 54246	MFSK-16/20Bd	(AB/MPJ)
XPA2	13457	8-10	0730	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	14469	8-10	1200	Tue	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB/MPJ)
XPA2	16169	8-10	1220	Tue	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	17469	8-10	1240	Tue	07257 00096 30169 ... 51113 09064 47634	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	13542	8-10	1600	Tue	06076 00001 00000 34265	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	12142	8-10	1620	Tue	06076 00001 00000 34265	MFSK-16/20Bd	(AB-POL/MPJ)
XPA2	11442	8-10	1640	Tue	06076 00001 00000 34265	MFSK-16/20Bd	(AB/MPJ)
XPA2	13372	9-10	0700	Wed	02367 00001 00000 36260	MFSK-16/20Bd	(AB-POL)
XPA2	14672	9-10	0720	Wed	02367 00001 00000 36260	MFSK-16/20Bd	(AB-POL)
XPA2	15872	9-10	0740	Wed	02367 00001 00000 36260	MFSK-16/20Bd	(AB-POL)
XPA2	17471	9-10	0910	Wed	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB-RUS)
XPA2	16149	9-10	0930	Wed	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB)
XPA2	14406	9-10	0950	Wed	05510 00159 33583 ... 36211 63213 51666	MFSK-16/20Bd	(AB)
XPA2	13452	9-10	1200	Wed	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/MPJ)
XPA2	14452	9-10	1220	Wed	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/MPJ)
XPA2	15852	9-10	1240	Wed	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/MPJ)
XPA2	17438	10-10	0910	Thu	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	16338	10-10	0930	Thu	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	15938	10-10	0950	Thu	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	13542	10-10	1600	Thu	07217 00001 00000 35660	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	12142	10-10	1620	Thu	07217 00001 00000 35660	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	11442	10-10	1640	Thu	07217 00001 00000 35660	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13452	11-10	1200	Fri	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/MPJ)
XPA2	14452	11-10	1220	Fri	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/MPJ)
XPA2	15852	11-10	1240	Fri	00444 00048 94642 ... 44803 26585 35674	MFSK-16/20bd	(AB/RL/MPJ)
XPA2	17438	12-10	0910	Sat	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	16338	12-10	0930	Sat	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	15938	12-10	0950	Sat	07552 00088 90602 ... 66871 30689 54115	MFSK-16/20Bd	(AB)
XPA2	13906	12-10	1500	Sat	09881 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ)
XPA2	12106	12-10	1520	Sat	09881 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	10906	12-10	1540	Sat	09881 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14469	13-10	1200	Sun	07453 00076 00993 ... 01923 44277 54537	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	16169	13-10	1220	Sun	07453 00076 00993 ... 01923 44277 54537	MFSK-16/20Bd	(AB/MPJ)
XPA2	17469	13-10	1240	Sun	07453 00076 00993 ... 01923 44277 54537	MFSK-16/20Bd	(AB/MPJ)
XPA2	13372	14-10	0700	Mon	07367 00001 00000 36265	MFSK-16/20Bd	(AB)
XPA2	14672	14-10	0720	Mon	07367 00001 00000 36265	MFSK-16/20Bd	(AB)

XPA2	15872	14-10	0740	Mon	07367 00001 00000 36265	MFSK-16/20Bd	(AB)
XPA2	17471	14-10	0910	Mon	05245 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	16149	14-10	0930	Mon	05245 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	14406	14-10	0950	Mon	05245 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13906	14-10	1500	Mon	04553 00001 00000 35261	MFSK-16/20Bd	(AB/MPJ)
XPA2	12106	14-10	1520	Mon	04553 00001 00000 35261	MFSK-16/20Bd	(AB/MPJ)
XPA2	10906	14-10	1540	Mon	04553 00001 00000 35261	MFSK-16/20Bd	(AB/MPJ)
XPA2	14469	15-10	1200	Tue	07443 00076 00993 ... 00922 44277 54437	MFSK-16/20Bd	(AB/MPJ)
XPA2	16169	15-10	1220	Tue	07443 00076 00993 ... 00922 44277 54437	MFSK-16/20Bd	(AB/MPJ)
XPA2	17469	15-10	1240	Tue	07443 00076 00993 ... 00922 44277 54437	MFSK-16/20Bd	(AB/MPJ)
XPA2	13542	15-10	1600	Tue	msg via KiwiSDR RUS	MFSK-16/20Bd	(HFD-RUS)
XPA2	13542	15-10	1600	Tue	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	12142	15-10	1620	Tue	msg via KiwiSDR RUS	MFSK-16/20Bd	(HFD-RUS)
XPA2	12142	15-10	1620	Tue	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB/MPJ)
XPA2	11442	15-10	1640	Tue	msg via KiwiSDR RUS	MFSK-16/20Bd	(HFD-RUS)
XPA2	11442	15-10	1640	Tue	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB/MPJ)
XPA2	13372	16-10	0700	Wed	09658 00001 00000 40266	MFSK-16/20Bd	(AB)
XPA2	14672	16-10	0720	Wed	09658 00001 00000 40266	MFSK-16/20Bd	(AB)
XPA2	15872	16-10	0740	Wed	09658 00001 00000 40266	MFSK-16/20Bd	(AB)
XPA2	17471	16-10	0910	Wed	03134 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	16149	16-10	0930	Wed	03134 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	14406	16-10	0950	Wed	03134 00001 00000 33656	MFSK-16/20Bd	(AB)
XPA2	13452	16-10	1200	Wed	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	14452	16-10	1220	Wed	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	15852	16-10	1240	Wed	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	17438	17-10	0910	Thu	03262 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	16338	17-10	0930	Thu	03262 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	15938	17-10	0950	Thu	03262 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	13542	17-10	1600	Thu	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB)
XPA2	12142	17-10	1620	Thu	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB)
XPA2	11442	17-10	1640	Thu	01863 00219 57168 ... 79521 90719 30531	MFSK-16/20Bd	(AB)
XPA2	13452	18-10	1200	Fri	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	14452	18-10	1220	Fri	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	15852	18-10	1240	Fri	09752 00070 63088 ... 11322 56961 52052	MFSK-16/20bd	(AB)
XPA2	17438	19-10	0910	Sat	02872 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	16338	19-10	0930	Sat	02872 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	15938	19-10	0950	Sat	02872 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	14469	20-10	1200	Sun	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ)
XPA2	16169	20-10	1220	Sun	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ)
XPA2	17469	20-10	1240	Sun	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ)



XPA2	13372	21-10	0700	Mon	05437 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	14672	21-10	0720	Mon	05437 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	15872	21-10	0740	Mon	05437 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	17471	21-10	0910	Mon	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	16149	21-10	0930	Mon	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	14406	21-10	0950	Mon	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	13906	21-10	1500	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	12106	21-10	1520	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	10906	21-10	1540	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	14469	22-10	1200	Tue	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ)
XPA2	16169	22-10	1220	Tue	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	17469	22-10	1240	Tue	00448 00070 83715 ... 94686 18055 73361	MFSK-16/20Bd	(AB/MPJ)
XPA2	13542	22-10	1600	Tue	06238 00001 00000 36261	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	12142	22-10	1620	Tue	06238 00001 00000 36261	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	11442	22-10	1640	Tue	06238 00001 00000 36261	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13372	23-10	0700	Wed	05013 00001 00000 32656	MFSK-16/20Bd	(AB)
XPA2	14672	23-10	0720	Wed	05013 00001 00000 32656	MFSK-16/20Bd	(AB)
XPA2	15872	23-10	0740	Wed	05013 00001 00000 32656	MFSK-16/20Bd	(AB)
XPA2	17471	23-10	0910	Wed	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	16149	23-10	0930	Wed	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	14406	23-10	0950	Wed	00195 00109 30691 ... 60623 51283 51330	MFSK-16/20Bd	(AB)
XPA2	13452	23-10	1200	Wed	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	14452	23-10	1220	Wed	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	15852	23-10	1240	Wed	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	17438	24-10	0910	Thu	02231 00001 00000 32655	MFSK-16/20Bd	(AB)
XPA2	16338	24-10	0930	Thu	02231 00001 00000 32655	MFSK-16/20Bd	(AB)
XPA2	15938	24-10	0950	Thu	02231 00001 00000 32655	MFSK-16/20Bd	(AB)
XPA2	13542	24-10	1600	Thu	07303 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	12142	24-10	1620	Thu	07303 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	11442	24-10	1640	Thu	07303 00001 00000 34257	MFSK-16/20Bd	(AB/MPJ)
XPA2	13452	25-10	1200	Fri	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	14452	25-10	1220	Fri	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	15852	25-10	1240	Fri	07031 00028 24931 ... 13979 56785 46565	MFSK-16/20bd	(AB/MPJ)
XPA2	17438	26-10	0910	Sat	02723 00001 00000 36254	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	26-10	0930	Sat	02723 00001 00000 36254	MFSK-16/20Bd	(AB/MPJ)
XPA2	15938	26-10	0950	Sat	02723 00001 00000 36254	MFSK-16/20Bd	(AB/MPJ)
XPA2	13906	26-10	1500	Sat	01128 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	12106	26-10	1520	Sat	01128 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	10906	26-10	1540	Sat	01128 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	14469	27-10	1200	Sun	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/MPJ)

<b>XPA2</b>	16169	27-10	1220	Sun	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	17469	27-10	1240	Sun	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/RL/MPJ)
<b>XPA2</b>	13372	28-10	0700	Mon	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14672	28-10	0720	Mon	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15872	28-10	0740	Mon	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17471	28-10	0910	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16149	28-10	0930	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14406	28-10	0950	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13906	28-10	1500	Mon	03015 00001 00000 33654	MFSK-16/20Bd	(AB-G/MPJ)
<b>XPA2</b>	12106	28-10	1520	Mon	03015 00001 00000 33654	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	10906	28-10	1540	Mon	03015 00001 00000 33654	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	14469	29-10	1200	Tue	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	16169	29-10	1220	Tue	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	17469	29-10	1240	Tue	01213 00028 47149 ... 55901 70544 50144	MFSK-16/20Bd	(AB/MPJ)
<b>XPA2</b>	13542	29-10	1600	Tue	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	12142	29-10	1620	Tue	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	11442	29-10	1640	Tue	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	13372	30-10	0700	Wed	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14672	30-10	0720	Wed	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15872	30-10	0740	Wed	00421 00130 13420 ... 52991 46937 33411	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17471	30-10	0910	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16149	30-10	0930	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14406	30-10	0950	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13452	30-10	1200	Wed	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20bd	(AB/MPJ)
<b>XPA2</b>	14452	30-10	1220	Wed	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20bd	(AB/MPJ)
<b>XPA2</b>	15852	30-10	1240	Wed	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20bd	(AB/MPJ)
<b>XPA2</b>	17438	31-10	0910	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
<b>XPA2</b>	16338	31-10	0930	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15938	31-10	0950	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13542	31-10	1600	Thu	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	12142	31-10	1620	Thu	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPA2</b>	11442	31-10	1640	Thu	06334 00207 88152 ... 81583 82063 01662	MFSK-16/20Bd	(AB-RUS/MPJ)
<b>XPB1</b>	9323	1-10	1900	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	8123	1-10	1910	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	7723	1-10	1920	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	6923	1-10	1930	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	5823	1-10	1940	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	5123	1-10	1950	Tue	Russian intel.	MFSK-16	(HFD)
<b>XPB1</b>	14462	5-10	1200	Sat	Russian intel.	MFSK-16	(MPJ/HFD)
<b>XPB1</b>	13962	5-10	1210	Sat	Russian intel.	MFSK-16	(MPJ/HFD)

XPB1	13462	5-10	1220	Sat	Russian intel.	MFSK-16	(MPJ/HFD)
XPB1	12162	5-10	1230	Sat	Russian intel.	MFSK-16	(MPJ/HFD)
XPB1	11562	5-10	1240	Sat	Russian intel.	MFSK-16	(MPJ/HFD)
XPB1	10962	5-10	1250	Sat	Russian intel.	MFSK-16	(MPJ/HFD)
XPB1	9323	6-10	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8123	6-10	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7723	6-10	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6923	6-10	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5823	6-10	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5123	6-10	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	7-10	1200	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	7-10	1210	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	7-10	1220	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	7-10	1230	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	7-10	1240	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	7-10	1250	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9323	8-10	1900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8123	8-10	1910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7723	8-10	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6923	8-10	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5823	8-10	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5123	8-10	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	12-10	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	12-10	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	12-10	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	12-10	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	12-10	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	12-10	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9323	13-10	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8123	13-10	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7723	13-10	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6923	13-10	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5823	13-10	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5123	13-10	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	14-10	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13962	14-10	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13462	14-10	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12162	14-10	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11562	14-10	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10962	14-10	1250	Mon	Russian intel.	MFSK-16	(AB)



XPB1	9323	15-10	1900	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8123	15-10	1910	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7723	15-10	1920	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6923	15-10	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5823	15-10	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5123	15-10	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	19-10	1200	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13962	19-10	1210	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13462	19-10	1220	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12162	19-10	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11562	19-10	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10962	19-10	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9323	20-10	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8123	20-10	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7723	20-10	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6923	20-10	1930	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	5823	20-10	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5123	20-10	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	21-10	1200	Mon	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	13962	21-10	1210	Mon	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	13462	21-10	1220	Mon	Russian intel.	MFSK-16	(AB/MPJ/RL)
XPB1	12162	21-10	1230	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	21-10	1240	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	21-10	1250	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9323	22-10	1900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8123	22-10	1910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7723	22-10	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6923	22-10	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5823	22-10	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5123	22-10	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	26-10	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	26-10	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	26-10	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	26-10	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	26-10	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	26-10	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9323	27-10	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8123	27-10	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7723	27-10	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6923	27-10	1930	Sun	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	5823	27-10	1940	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5123	27-10	1950	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14462	28-10	1200	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13962	28-10	1210	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13462	28-10	1220	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12162	28-10	1230	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11562	28-10	1240	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10962	28-10	1250	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	9323	29-10	1900	Tue	Russian intel.	MFSK-16	(AB-POL)
<b>XPB1</b>	8123	29-10	1910	Tue	Russian intel.	MFSK-16	(AB-POL/MPJ)
<b>XPB1</b>	7723	29-10	1920	Tue	Russian intel.	MFSK-16	(AB-POL)
<b>XPB1</b>	6923	29-10	1930	Tue	Russian intel.	MFSK-16	(AB-POL)
<b>XPB1</b>	5823	29-10	1940	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5123	29-10	1950	Tue	Russian intel.	MFSK-16	(AB)

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AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-KWT	Ary Boender via remote rx Kuwait
AB-PHL	Ary Boender via remote rx Philippines
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-UKR	Ary Boender via remote rx Ukraine
AB-USA	Ary Boender via remote rx USA
BW3	Barry Williams, AL, USA
BW3-J	Barry Williams via remote rx Japan
Dan	Daniel LU5EMM, Argentina
Danix	Danix, Poland
ES	Edward Smith, UK
ES-HOL	Edward Smith via remote rx Netherlands
ES-POL	Edward Smith via remote rx Poland
F5JBR	F5JBR André, France
F5JBR-AUT	F5JBR via remote rx Austria
F5JBR-J	F5JBR André via remote rx Japan
GHn	Gary Hagermann, UK
Gwr	Gwraspe (via Priyom)
HFD	Hans-Friedrich Dumrese, Germany
HFD-CHN	Hans-Friedrich Dumrese via remote rx China
HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-QAT	Hans-Friedrich Dumrese via remote rx Qatar
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
JPL-J	JPL via remote rx Japan
JU	Jay Updike, W. Europe
MDK2	MDK2, USA
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-HNG	Jim via remote rx Hungary
MPJ-RUS	Jim via remote rx Russia
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RR2	Rich Ray, IL, USA
SP1	Sylvain, France
W9SPY	Curt
WP3	Wolfgang Palmberger

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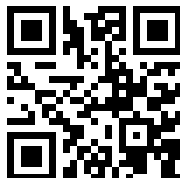
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721 75654 55656 12737 72727 72727 91918 63473 67867 78  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98670 27601 56701 57601 73648 18  
591 87364 87265 96710 27630 12673 84769 28743 98127 08  
8 63298 75698 27405 87326 49876 28376 81273 98615 08  
67 87432 74328 78674 29867 32867 67867 86786 43286 48  
57 68768 68763 34234 34238 68768 62342 48273 48768 23  
736 98432 32432 86743 43286 43286 43286 43286 43286 43  
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