

27364	92836	89428	81268	74982	46498	32784	31277
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	58765	58765	58765	58765

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

### Edition #290, November 2021

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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## CONTENT

CONTENT.....	2
FOREWORD.....	3
VOICE STATIONS .....	3
MORSE STATIONS .....	18
DIGITAL MODES .....	40
DIPLOMATIC STATIONS.....	97
CLANDESTINE STATIONS, TARGETED RADIO & JAMMERS .....	97
UTILITY ROUND-UP .....	98
EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES .....	99
RUSSIAN MILITARY TRANSCRIPTS.....	105
LOGS SECTION.....	110
CONTRIBUTORS.....	183
APPENDIX.....	184
COLOPHON .....	187



***Enjoy the festive season***



## FOREWORD

Hi and welcome to Numbers & Oddities #290. When I write this it is cold and wet outside with a strong wind but my radio room is comfortable and I hear Shanwick Radio on one radio, I see ADS-B and HF DL aircraft communications on my screen and hear F06 on another radio. Autumn and winter are not so bad this way ☺

We heard several E17z live transmissions in November and again a lot of Russian intelligence training transmissions, including a S06e broadcast. Also several F06 1000 groups messages. M23 was active at the end of the month; a so far unid MFSK station popped up with a regular schedule and HM01 is still in repeating mode. You can read about it this edition of N&O.

It is December when you read this, the favorite month for several publishers to release new radio books. Roland Proesch released his latest frequency guide a couple of months ago. So if you want to give yourself a nice present .....

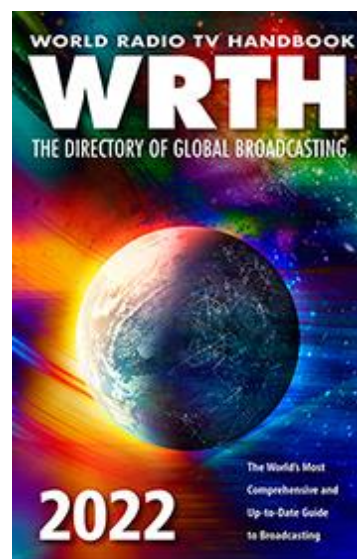
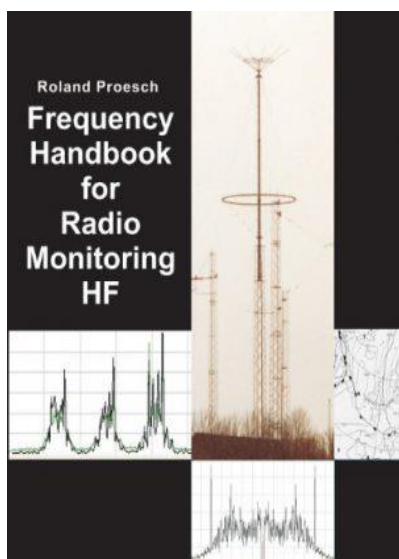
<https://frequencymanager.de/>

<https://www.klingenfuss.org/homepage.htm>

<https://www.ilg.de/>

<https://www.wrth.com/>

## ILG Radio International Listening Guide



## VOICE STATIONS

### E06

**18285/20140 kHz, 04-11/05-11, 0600/0700 UTC**

507 829 61

77345 00368 41275 35891 97140 91923 63432 88849 79834 01945

11826 99874 68441 53289 14679 67749 90592 51661 13286 37777

42023 96813 86754 82242 42820 57515 95611 62145 64858 02482

05180 87866 53857 04442 74685 08440 94522 59541 23022 84134

92171 89269 07116 22015 69312 17083 73822 79185 00600 36935

71296 63392 34607 15879 30777 85679 75846 97943 54710 44783

25491

829 61 00000

**18285/20140 kHz, 18-11/19-11, 0600/0700 UTC**

507 294 61  
67849 28320 17328 56210 47712 54954 86225 74948 90676 06278  
76040 43430 97198 94900 76455 18243 66106 69425 77826 62862  
48253 26481 50083 35905 56523 04488 30326 22838 93120 63852  
42539 28325 80079 83276 97879 71416 03936 26865 48973 50753  
10498 61718 96638 71972 10651 30712 72503 54518 83130 10125  
45932 60027 85216 06830 28705 09485 07262 74716 75890 81340  
32013  
294 61 00000

**10755 kHz, 10-11, 0720 UTC**

**975 was transmitted from 0720 to 0856z.**

**Recording:** <http://www.numbersoddities.nl/E06-2021-11-10-0720utc-10755khz-long-test-msg.mp3>

975 (R1h 36m) 362 54  
59041 13065 04683 84654 90831 62794 00491 65818 38797 71086  
72829 24781 34320 24015 72945 97148 27277 05227 65331 11714  
68242 75668 70130 21208 56012 79979 38832 99564 17652 15479  
42967 04121 13253 24688 80471 26192 82581 97327 29417 78475  
75807 92722 03791 92693 35508 18558 91011 25939 22125 26916  
75875 99145 00064  
975 (R1m)  
22125 26916 75875 99145 00064 13535  
362 54 00000

**11123/13532/11514 kHz, 13-11, 0900/0930/1000 UTC. Slow version**

980 216 35  
76988 62546 51022 76180 79302 12178 85207 12613 98871 30631  
19680 99808 93742 09075 80303 29763 40200 18712 21489 08433  
17169 27321 05693 15203 53331 55311 56858 06840 69505 10554  
88329 31897 10597 48500 98523  
216 35 00000

**13396/11123 kHz, 16-11, 0830/0900 UTC**

980 457 28  
71227 14122 05935 77072 46862 51240 47599 46148 34396 66149  
64045 18071 87713 05605 52577 21502 00984 73165 09459 86390  
34436 37199 89772 44735 09044 88651 31842 00678  
457 28 0000

<b>Group-count cycle network transmissions</b>
--

**10673/14398 kHz, 01-11/02-11, 0210/0310 UTC**

537 194 50  
17462 18001 47043 52439 47555 24866 50376 49196 07100 77857  
74014 72417 06452 81377 78030 87767 75471 67403 10766 54218  
70318 98266 66470 30977 01851 77339 82483 82166 52770 03568  
55665 77701 75745 30795 82741 13786 89667 17801 54269 01484  
16237 80006 56903 96791 24081 78775 63643 70649 72562 09249  
194 50 00000

**10673/14398 kHz, 08-11/09-11, 0210/0310 UTC**

537 268 30  
24187 15576 22842 11875 51043 94376 60823 28615 03570 74472  
15322 04677 69220 66840 84739 24729 09600 45783 47023 85609  
19415 12457 21009 21805 47641 69420 82944 06814 98071 92164  
268 30 00000

**10673/14398 kHz, 15-11/16-11, 0210/0310 UTC**

537 904 31  
69274 79293 53003 71368 96102 28373 78064 19906 79462 71102  
34161 76594 63764 96015 71357 03745 95489 85205 23524 62774  
17058 02400 42487 53706 08054 17862 16260 75075 28509 43542  
38542  
904 31 00000

**10673/14398 kHz, 22-11/23-11, 0210/0310 UTC**

**14398 kHz, 23-11, 0310 UTC (presumed, not monitored)**

537 681 32  
63500 15809 88183 38723 32217 16102 04747 54743 66929 05591  
46162 03446 77456 87728 76542 14643 34125 95480 42334 03653  
03928 90833 63598 96435 19971 30802 57807 17339 63917 98380  
88347 00363  
681 32 00000

**10673/14398 kHz, 29-11/30-11, 0210/0310 UTC**

537 902 33  
41930 07594 81518 58588 03279 58898 00198 59553 29828 19709  
41738 40544 30413 46776 27766 74014 63952 92963 88965 20307  
41706 37311 09198 16957 17537 55057 69311 66526 70831 51027  
07858 08912 11798  
902 33 00000

**04-11/05-11, 0300/0400 UTC**

No E06 361 transmissions due to Unity Day holiday

**16173/13878 kHz, 11-11, 0300/0400 UTC**

**16175/13878 kHz, 12-11, 0300/0400 UTC**

361 802 43  
70060 58051 60482 74975 33953 60547 72793 59023 83350 36840  
18261 93784 31293 32280 99394 45594 53370 19424 27005 83613  
45946 07895 63236 63756 89551 80112 93999 59598 47149 01352  
72984 51183 51943 77545 04441 07684 64425 59283 56918 24851  
03358 15438 25148  
802 43 00000

**16163/13878 kHz, 18-11, 0300/0400 UTC**

**16173/13878 kHz, 19-11, 0300/0400 UTC**

361 597 44  
43105 95573 70987 23984 46455 60547 36080 46158 18905 20820  
78258 14539 15352 11218 48287 41133 61724 65840 14014 26869  
46132 17596 76765 37345 66370 79466 96443 22040 94711 12200  
48741 94164 45914 08121 62933 13346 59397 45738 13664 38330  
31504 94838 65181 41895  
597 44 00000

**16173/13863 kHz, 25-11, 0300/0400 UTC**

**16171/13855 kHz, 26-11, 0300/0400 UTC**

361 820 45  
97136 14552 34072 75844 40367 40226 45504 25562 37961 04389  
03043 75689 94825 90046 89081 49993 63743 05911 46167 31200  
83327 44930 13443 61971 76629 46058 79204 26440 52565 70172  
04261 85749 77379 26095 95775 66038 08296 07643 36297 22297  
06580 27661 97636 26551 72173  
820 45 00000

**15823/16323/18523 kHz, 02-11/05-11, 0700/0720/0740 UTC**

836 836 836 1 6216 87 6216 87  
 48780 38874 60282 48624 70871 24669 99451 10717 59898 34803  
 34421 11714 05545 60882 25528 26114 20149 84755 56698 66472  
 42335 66818 68063 79544 48578 58053 30659 36104 08907 48841  
 84460 22198 26349 02853 82169 38725 13080 40897 24622 86288  
 66858 52647 16465 23442 50000 48338 16899 87985 30399 36132  
 77009 04318 99476 92017 58885 48882 03760 68432 61049 23605  
 64543 06538 30264 44091 59822 60326 80707 11685 36603 57344  
 51057 96879 23237 36894 54592 88101 53755 18639 95614 51015  
 23508 56905 93650 75023 57608 98393 86114 000 000

**7582/6782/5182 kHz, 03-11/07-11, 1800/1820/1840 UTC**

571 571 571 1 685 93 685 93  
 08206 63144 49035 28721 97713 95832 31186 02523 87137 16973  
 71998 15680 55671 98437 77876 13769 69153 23037 72448 88025  
 18223 90483 73083 79806 73775 19026 02224 03978 23385 69310  
 86379 75449 70869 40919 75032 93706 58219 41171 94477 43937  
 52713 29195 49892 27719 30924 78291 52891 04614 54244 64781  
 03728 72936 16039 55173 59618 81158 08947 71210 94605 10522  
 53464 11023 81028 18380 61050 15562 93077 11560 02981 49467  
 01859 55213 88010 97289 70298 44808 22695 05816 49635 67537  
 35299 27851 15622 78083 99829 76788 22417 23521 44710 17098  
 83309 54638 20915 000 000

**10323/9123/8023 kHz, 06-11, 1400/1428/1453 UTC**

**At 1411z the same transmission started again, mixing with the one that was already running. Back to normal at 1420z**

310 310 310 1 895 178 895 178  
 89071 83052 03749 91544 66435 34360 01825 89802 48189 39955  
 14548 14644 86580 54670 72523 72797 46846 72043 09863 49259  
 49871 82887 96017 11426 30086 35659 62812 86350 28832 79329  
 58796 68170 04438 38053 66404 09181 42249 83236 19196 83921  
 13734 05700 12084 16107 77791 10756 63070 76807 23791 53982  
 99435 54549 96853 04619 49305 37360 50233 29826 30457 70083  
 36873 61487 43944 51363 51794 24912 11020 10826 66223 87171  
 94366 75204 37790 15290 06741 24577 67920 32055 16702 96081  
 66576 00287 90798 77465 89998 60440 78203 13295 88430 42999  
 90975 80396 83406 66502 78525 26111 31186 31481 05264 04893  
 53631 31729 93200 54355 67286 87731 20884 01557 39573 19357  
 82466 36697 20886 24527 43318 34223 04290 86595 08515 10000  
 37289 63504 53989 63173 39973 56244 50521 00950 01147 80092  
 49842 03385 42204 45579 39044 00458 91410 31920 79931 49979  
 57177 70119 55176 86816 20921 32799 73783 70081 23851 72575  
 21827 78511 82310 07958 11339 73564 36152 94722 01001 69173  
 74780 47259 81201 05809 17263 88806 73753 79897 87647 72931  
 16206 77222 87333 64785 54070 91287 77896 88843 000 000

**10268/11068/12168 kHz, 07-11, 0710/0730/0750 UTC**

201 201 201 1 895 178 895 178  
 89071 83052 03749 91544 66435 34360 01825 89802 48189 39955  
 14548 14644 86580 54670 72523 72797 46846 72043 09863 49259  
 49871 82887 96017 11426 30086 35659 62812 86350 28832 79329  
 58796 68170 04438 38053 66404 09181 42249 83236 19196 83921  
 13734 05700 12084 16107 77791 10756 63070 76807 23791 53982  
 99435 54549 96853 04619 49305 37360 50233 29826 30457 70083  
 36873 61487 43944 51363 51794 24912 11020 10826 66223 87171  
 94366 75204 37790 15290 06741 24577 67920 32055 16702 96081  
 66576 00287 90798 77465 89998 60440 78203 13295 88430 42999  
 90975 80396 83406 66502 78525 26111 31186 31481 05264 04893  
 53631 31729 93200 54355 67286 87731 20884 01557 39573 19357  
 82466 36697 20886 24527 43318 34223 04290 86595 08515 10000  
 37289 63504 53989 63173 39973 56244 50521 00950 01147 80092  
 49842 03385 42204 45579 39044 00458 91410 31920 79931 49979  
 57177 70119 55176 86816 20921 32799 73783 70081 23851 72575  
 21827 78511 82310 07958 11339 73564 36152 94722 01001 69173  
 74780 47259 81201 05809 17263 88806 73753 79897 87647 72931  
 16206 77222 87333 64785 54070 91287 77896 88843 000 000

**10323/9123/8023 kHz, 13-11, 1400/1428/1453 UTC**

310 310 310 1 927 176 927 176

65122 21444 02424 64258 68355 93362 49974 81127 79185 07451  
18065 21652 29207 30872 33839 40116 96448 26258 41309 24812  
47042 21639 32725 04844 09366 72346 00034 06100 81174 70688  
12169 20662 64115 02372 01499 71323 35999 78033 31130 85544  
74003 96107 56947 98100 69831 07577 50741 38139 67865 47637  
55536 78699 42107 14024 25397 44331 08755 57170 30314 73202  
84061 93514 85935 89856 84869 06614 94456 55101 32881 95845  
17482 35480 85651 90662 23174 61633 67635 12285 11017 77783  
36233 06854 15194 58866 77059 12457 29546 60300 43151 87615  
36693 54938 04554 17157 73732 20036 89607 99169 15478 47556  
12534 86894 29312 29020 81637 11457 13688 82173 81722 17647  
40172 12913 49763 95980 23175 42514 39499 92366 19770 81578  
53512 23178 48350 31136 55314 80753 36772 35776 26801 88778  
87254 79547 98383 90598 99908 02471 43597 10731 65855 84941  
92401 98963 38988 91596 23633 64738 49991 86161 57294 32609  
90354 38013 03774 07560 24558 30008 66238 77838 86128 50799  
46681 96255 40548 54716 21722 05902 89126 39411 42244 02365  
88676 45039 36093 12757 86634 79121 000 000

**10268/11068/12168 kHz, 14-11, 0710/0730/0750 UTC**

201 201 201 1 927 176 927 176

65122 21444 02424 64258 68355 93362 49974 81127 79185 07451  
18065 21652 29207 30872 33839 40116 96448 26258 41309 24812  
47042 21639 32725 04844 09366 72346 00034 06100 81174 70688  
12169 20662 64115 02372 01499 71323 35999 78033 31130 85544  
74003 96107 56947 98100 69831 07577 50741 38139 67865 47637  
55536 78699 42107 14024 25397 44331 08755 57170 30314 73202  
84061 93514 85935 89856 84869 06614 94456 55101 32881 95845  
17482 35480 85651 90662 23174 61633 67635 12285 11017 77783  
36233 06854 15194 58866 77059 12457 29546 60300 43151 87615  
36693 54938 04554 17157 73732 20036 89607 99169 15478 47556  
12534 86894 29312 29020 81637 11457 13688 82173 81722 17647  
40172 12913 49763 95980 23175 42514 39499 92366 19770 81578  
53512 23178 48350 31136 55314 80753 36772 35776 26801 88778  
87254 79547 98383 90598 99908 02471 43597 10731 65855 84941  
92401 98963 38988 91596 23633 64738 49991 86161 57294 32609  
90354 38013 03774 07560 24558 30008 66238 77838 86128 50799  
46681 96255 40548 54716 21722 05902 89126 39411 42244 02365  
88676 45039 36093 12757 86634 79121 000 000

**15823/16323/18523 kHz, 16-11/19-11, 0700/0720/0740 UTC**

836 836 836 1 3388 87 3388 87

66151 80423 06063 98927 39805 17263 10127 56527 64472 47505  
16935 22688 96180 39526 81052 98201 14328 05777 14232 84833  
47115 68204 03132 61031 59795 88608 43772 56987 29861 43008  
80210 28530 35176 18146 17383 11360 34874 09253 10310 85499  
78070 91515 73924 12530 90878 89220 56942 49655 21693 31349  
48961 13713 09863 19236 07121 02826 22226 90876 55283 10496  
85772 89976 43574 92506 76225 42429 01766 56226 57422 85235  
99717 73551 69755 05952 49633 03995 33015 74273 46178 25678  
94453 26870 52311 06542 51731 17188 91816 000 000

**7582/6782/5182 kHz, 17-11/20-11, 1800/1820/1840 UTC**

571 571 571 1 8148 97 8148 97

07826 14277 95433 37730 41476 31078 57923 41061 73036 51188  
20837 03851 68144 83817 12115 56843 45299 04833 35374 01565  
70653 31499 01819 70425 12804 55158 74737 99224 79925 05800  
08577 76087 35236 51289 43947 29302 12600 81473 55363 31973  
36130 42745 65851 69575 17062 39923 75464 22635 78182 05498  
00300 62935 83010 30970 32511 29204 06219 56455 71441 90407  
30842 74211 96369 31437 29535 47741 71208 12157 43021 25436  
16401 59945 03553 15865 87536 85452 29030 51761 15404 11440  
04586 23936 84378 97662 53031 34929 66653 19125 83963 56588  
42360 77392 55154 73846 40681 87740 83903 000 000

**11574/10274/9274 kHz, 18-11/20-11, 1410/1430/1450 UTC**

327 327 327 1 7753 77 7753 77  
43346 22374 47676 08469 75434 43315 96422 46316 23734 45672  
54521 85862 98568 24013 45269 88564 31379 31095 00461 87450  
04701 69701 42186 23625 03888 89798 38899 76648 06761 84657  
00626 57319 01672 63568 80816 04229 61150 94396 29848 19581  
54619 67372 28890 18173 71471 07678 37996 07535 51151 63119  
34539 65909 43019 47973 44892 13827 63862 90675 87468 12146  
83968 78055 83474 68842 01395 40699 90459 36660 80342 91665  
24917 43268 68491 46843 15899 00499 59891 000 000

**10323/9123/8023 kHz, 27-11, 1400/1435/1510 UTC**

310 310 310 1 968 277 968 277  
87530 89946 40605 14215 19319 55452 10232 18936 75654 10969  
46207 21794 71480 34015 63145 71312 22376 75056 76414 33778  
15643 50037 35028 88669 78699 22018 27875 40644 54350 40198  
72639 89200 57735 70891 34697 47225 99106 18814 94320 32575  
02590 60952 98899 45678 97130 58808 76619 46827 80982 63779  
66556 89306 34847 51406 31834 40482 36067 96698 60956 95052  
63633 07238 15975 21084 86582 50181 51459 45239 66068 50416  
76487 87255 88490 07658 80007 39927 11800 99472 80317 59241  
14074 45543 91616 97073 20883 22817 08007 17741 24500 86485  
05461 67628 34615 08264 93228 25310 78453 01466 22382 13745  
83603 82714 96053 47901 17717 13410 26202 29400 60821 79136  
32379 05247 19229 94049 26790 24187 39006 08067 31159 59313  
91646 80667 85059 82189 52929 87311 89789 14875 98269 28400  
82697 37770 86612 50242 48515 61927 50430 76752 52455 00474  
26635 40627 42059 75155 08657 93883 36863 43443 74046 27657  
99984 34157 80427 19471 17540 49910 21946 19313 41151 54842  
78539 27156 82522 79507 81278 19801 27951 40381 87205 47124  
15729 57897 73099 01592 17003 65279 91685 28096 65508 70580  
86268 28501 18417 56105 86351 03630 31189 28019 81818 58724  
27614 29434 33899 52574 24860 38545 42468 43174 49453 42141  
55232 16887 16199 63814 42620 39407 19243 77954 94111 12230  
03143 79807 66314 28156 49433 81171 59722 20235 38814 47527  
28007 99867 80085 54416 36186 00060 54373 21082 32187 65259  
35213 92191 74325 33192 73132 04766 08937 72448 16689 72144  
44271 40183 15824 33292 61122 82802 21797 06553 55746 64512  
55003 98884 47872 52287 41635 72750 56679 58315 68947 06555  
94375 14342 70361 31818 33294 66623 56108 91432 46774 55646  
40406 90333 61542 67526 47957 58889 82547 000 000

**10268//11068/12168 kHz, 28-11, 0700/0735/0810 UTC**

201 201 201 1 968 277 968 277  
87530 89946 40605 14215 19319 55452 10232 18936 75654 10969  
46207 21794 71480 34015 63145 71312 22376 75056 76414 33778  
15643 50037 35028 88669 78699 22018 27875 40644 54350 40198  
72639 89200 57735 70891 34697 47225 99106 18814 94320 32575  
02590 60952 98899 45678 97130 58808 76619 46827 80982 63779  
66556 89306 34847 51406 31834 40482 36067 96698 60956 95052  
63633 07238 15975 21084 86582 50181 51459 45239 66068 50416  
76487 87255 88490 07658 80007 39927 11800 99472 80317 59241  
14074 45543 91616 97073 20883 22817 08007 17741 24500 86485  
05461 67628 34615 08264 93228 25310 78453 01466 22382 13745  
83603 82714 96053 47901 17717 13410 26202 29400 60821 79136  
32379 05247 19229 94049 26790 24187 39006 08067 31159 59313  
91646 80667 85059 82189 52929 87311 89789 14875 98269 28400  
82697 37770 86612 50242 48515 61927 50430 76752 52455 00474  
26635 40627 42059 75155 08657 93883 36863 43443 74046 27657  
99984 34157 80427 19471 17540 49910 21946 19313 41151 54842  
78539 27156 82522 79507 81278 19801 27951 40381 87205 47124  
15729 57897 73099 01592 17003 65279 91685 28096 65508 70580  
86268 28501 18417 56105 86351 03630 31189 28019 81818 58724  
27614 29434 33899 52574 24860 38545 42468 43174 49453 42141  
55232 16887 16199 63814 42620 39407 19243 77954 94111 12230  
03143 79807 66314 28156 49433 81171 59722 20235 38814 47527  
28007 99867 80085 54416 36186 00060 54373 21082 32187 65259  
35213 92191 74325 33192 73132 04766 08937 72448 16689 72144  
44271 40183 15824 33292 61122 82802 21797 06553 55746 64512  
55003 98884 47872 52287 41635 72750 56679 58315 68947 06555  
94375 14342 70361 31818 33294 66623 56108 91432 46774 55646  
40406 90333 61542 67526 47957 58889 82547 000 000



**15823/16323/18523 kHz, 30-11, 0700/0720/0740 UTC**

836 836 836 1 4351 175 4351 175  
 77426 88553 95957 88078 98705 07404 79008 28722 87765 19465  
 29944 72450 09341 74981 65949 35142 74378 21533 89031 06599  
 82798 02487 97596 28016 67530 27774 41429 26243 83162 28332  
 04462 31809 28494 15642 71290 90879 60974 37060 75840 50946  
 13903 05317 19202 05781 21746 34109 03943 09979 81203 24281  
 34671 93673 38737 49659 60243 37774 97244 03442 98095 85469  
 37951 31279 14573 36626 64682 72982 91438 55829 64212 53347  
 52599 31230 65558 89603 63909 36651 81188 20085 49716 54125  
 90099 08380 12884 38574 28470 25631 52536 63700 23250 35650  
 50529 43597 89271 12866 21061 77954 19613 90628 78850 22514  
 24526 66021 29318 76043 61813 63545 65646 47966 15347 54412  
 66595 27065 20008 39459 81229 36392 30348 15181 89356 80110  
 54341 18891 02819 86651 62083 10176 66905 42131 06272 73588  
 80894 83395 72848 17931 48571 66231 22175 14853 82731 65750  
 14986 02273 88965 13920 14859 42324 73265 86469 81726 02212  
 67630 97660 25565 35057 61158 61324 44576 49514 38096 85952  
 59386 64485 53803 02099 41046 34178 34635 11625 65597 83430  
 99383 14293 09554 26658 34705 000 000

**E11a****11092 kHz, 01-11/03-11, 0900 UTC**

535/34 Attention  
 97824 92835 83646 07974 08022 02539 52353 04368 11229 29791  
 75906 76382 62521 20003 86714 47888 05354 93167 30633 52663  
 22300 99217 62299 50677 94024 95183 97721 31314 45190 99297  
 91482 53458 41372 12036  
 Attention (message repeated) Out

**7984 kHz, 01-11/03-11, 1045 UTC**

696/36 Attention  
 03122 60177 43093 26857 32469 23523 07167 88882 46712 94268  
 27185 60896 41035 98068 71633 23582 32469 60619 51369 43260  
 69677 61990 21946 80001 22145 93587 58045 77190 87567 12071  
 93199 46952 44089 78164 39982 36478  
 Attention (message repeated) Out

**12924 kHz, 01-11, 1745 UTC**

244/39 Attention  
 45431 47609 90875 66656 08420 55225 53810 30725 58793 67971  
 39821 26073 59506 86507 14906 23157 20602 10588 20556 38283  
 73307 11423 16151 15794 10791 67113 45821 22203 51763 55312  
 22600 84868 67159 61171 29363 37132 89138 99499 67644  
 Attention (message repeated) Out

**14611 kHz, 02-11/03-11, 0820 UTC**

131/40 Attention  
 03771 04827 83898 53572 18920 18700 22174 62811 90015 52239  
 90856 67289 01965 24204 88335 59987 54700 69717 28160 67684  
 83021 59073 59577 90669 39031 07596 55183 95707 53426 38940  
 12926 06834 34538 68336 99761 68875 24225 55854 53648 66459  
 Attention (message repeated) Out

**12089 kHz, 02-11/04-11, 0845 UTC**

151/38 Attention  
 46813 36400 25920 97109 79358 99685 11027 29696 90325 89123  
 00507 61688 78141 40530 36198 23057 34941 78514 47136 51797  
 58428 66633 35093 58118 18382 55976 36521 78128 27570 89831  
 06856 33787 89319 66288 21023 14490 65909 64388  
 Attention (message repeated) Out

**4505 kHz, 03-11/06-11, 1910 UTC**

395/34 Attention

43835 79758 59428 04770 22471 76487 89308 99956 66160 74508  
35667 34038 92780 05751 13513 29531 65671 41708 84643 09379  
72299 52254 68043 65868 10258 31544 45668 93358 08825 56357  
83051 71193 39417 06032

Attention (message repeated) Out

**5371 kHz, 07-11, 0730 UTC**

498/36 Attention

18816 30996 62774 89276 87365 41505 92496 48095 43063 40371  
68332 71465 30288 03682 58960 66366 11275 95705 35001 37469  
48728 76010 99198 44728 82617 58356 38368 54114 01893 77910  
70041 95379 84933 01897 23012 28444

Attention (message repeated) Out

**12924 kHz, 07-11, 1745 UTC**

244/39 Attention

45431 47609 90875 66656 08420 55225 53810 30725 58793 67971  
39821 26073 59506 86507 24906 23157 20602 10588 20556 38283  
73307 11423 16151 15794 10791 67113 45821 22203 51763 55312  
22600 84868 67159 61171 29363 37132 89138 99499 67644

Attention (message repeated) Out

**16005 kHz, 08-11/10-11, 0640 UTC**

949/28 Attention

98570 14749 22117 27332 96691 50151 97922 21350 59787 65633  
09133 00874 98880 49426 92050 38657 72619 21394 33270 77252  
78164 94657 95579 23843 37506 05846 61013 64243

Attention (message repeated) Out

**4909 kHz, 08-11/11-11, 1300 UTC**

315/39 Attention

25534 28326 84402 48089 30373 85843 67929 37860 20404 63956  
14163 90146 71391 95250 37690 13414 42839 89237 27220 49897  
13270 63111 60160 54205 37871 63080 78608 44303 01345 60947  
75189 32124 31189 06360 42699 21943 67272 29047 62597

Attention (message repeated) Out

**7840 kHz, 09-11/11-11, 0645 UTC**

517/36 Attention

54878 72893 90819 64841 30497 74843 40935 89357 92700 48329  
86375 35223 05011 11612 13106 60423 92809 16838 14241 04409  
17233 10720 49457 81129 41096 41944 00869 71854 24232 74670  
75414 22957 04249 76550 43354 39262

Attention (repeat message) Out

**9130 kHz, 09-11/12-11, 0715 UTC**

636/35 Attention

07230 70627 51715 03123 73828 89350 63799 35486 38494 78720  
59970 23554 96351 96354 61732 92416 64574 82478 17800 99566  
09942 07452 80191 12578 81771 43463 17615 31243 72118 19773  
40855 43013 99677 97127 46584

Attention (message repeated) Out

**9079 kHz, 09-11/12-11, 1000 UTC**

308/37 Attention

73402 45694 67557 97237 37676 29782 29738 27822 88112 60608  
84896 99993 57568 55285 03335 30707 19367 49136 47061 00628  
91930 42860 73426 73263 85264 55675 15165 85471 06616 96950  
86451 66430 29363 05300 99951 70968 78590

Attention (message repeated) Out

**6433 kHz, 09-11/10-11, 1205 UTC**

463/31 Attention

02502 89338 64346 41604 67921 69503 59042 90993 47008 69583  
02881 94173 40159 08206 43213 53976 42215 33554 96121 28893  
08975 38814 63350 65832 38292 09741 64845 04307 49525 11125  
93004

Attention (message repeated) Out

**7469 kHz, 10-11/11-11, 0930 UTC**

271/40 Attention

11617 58659 36677 14104 74983 09246 48380 78632 28055 26220  
31050 97885 10290 25598 01080 99909 67411 88812 11598 69911  
52614 43378 32025 50205 20289 12491 98531 19992 39491 00624  
87405 66806 28747 68779 34027 41480 08428 97246 30674 60200

Attention (message repeated) Out

**5082 kHz, 10-11/12-11, 1715 UTC**

975/40 Attention

02218 52272 47457 26488 59972 83950 83274 15053 62701 12241  
05158 45097 46119 79349 19166 19456 73477 69907 54812 96125  
31321 91066 83258 42171 24870 26887 03016 99622 63707 34339  
86108 52706 04937 72099 92715 42738 80885 65085 32290 48213

Attention (message repeated) Out

**5149 kHz, 11-11/12-11, 0820 UTC**

435/31 Attention

62674 39137 34105 24654 70489 39908 73630 21133 67969 73164  
00162 72082 27400 65767 38100 26184 20989 46870 38293 86216  
22877 70193 46651 15939 72499 64114 01000 51130 06812 81900  
48713

Attention (message repeated) Out

**10487 kHz, 12-11/14-11, 1 1910 UTC**

616/33 Attention

66842 95548 06016 17179 05266 57628 52749 39572 98930 93940  
74329 93672 53612 50073 05090 80134 84184 10531 55217 29415  
56743 79323 42064 46711 74581 77960 54421 57712 99767 28680  
39031 32020 50847

Attention (message repeated) Out

**6804 kHz, 16-11/19-11, 0700 UTC**

570/35 Attention

10571 27982 10902 96224 96324 14493 84989 88447 44293 64914  
92129 76889 31597 88083 11771 55924 09385 38124 72926 51080  
89813 31343 99421 32553 61392 27257 57268 39473 51297 96358  
92795 14982 85502 26247 27971

Attention (message repeated) Out

**9052 kHz, 17-11/18-11, 0315 UTC**

258/31 Attention

58559 24327 14951 27591 24618 17759 47329 38101 71130 78448  
41567 99358 96431 93526 28170 38665 34086 49496 06273 98857  
74303 46931 30918 16276 11983 78245 20743 68731 40701 76583  
89210

Attention (message repeated) Out

**6849 kHz, 19-11, 1815 UTC**

925/37 Attention

59413 54530 99637 27370 38279 57476 00612 13157 16883 13348  
62159 74250 96518 42070 86331 94696 84620 10496 27081 09902  
43341 89911 41337 01030 33140 95792 43780 45163 55363 09460  
21837 67680 96089 72194 22171 12139 98347

Attention (message repeated) Out

**4909 kHz, 20-11/21-11, 1530 UTC**

364/36 Attention

32925 58912 19675 29841 66583 85730 18320 66741 40625 10623  
75279 42087 89797 58727 44872 76500 15386 76172 32662 95271  
07169 66703 18691 33243 53630 95598 73447 81319 74736 95678  
87923 40267 61101 98563 73525 47000

Attention (message repeated) Out

**4909 kHz, 22-11, 0450 UTC**

**5779 kHz, 25-11, 1730 UTC**

416/38 Attention

96353 29819 39905 59595 87621 13100 96719 17982 63667 33495  
99713 90768 87228 29053 22162 94790 91663 31899 52153 75089  
47843 98887 68607 87211 46604 27013 65181 06990 21390 29863  
25193 39841 84380 48971 93755 10937 65869 22447

Attention (message repeated) Out

**10213 kHz, 22-11/25-11, 0745 UTC**

264/40 Attention

91452 91121 79628 77389 79078 89700 73306 99943 44181 41166  
02978 96703 49301 82424 86146 60997 24302 07277 72007 68878  
53342 98736 47328 20925 04086 30129 09847 69076 77339 39332  
85210 38468 63538 61272 73336 56555 02583 72079 21240 22314

Attention (message repeated) Out

**14940 kHz, 22-11/26-11, 0830 UTC**

185/24 Attention

15093 29369 38062 89099 63444 79994 40297 59517 99184 49052  
80086 30071 90795 91677 00331 30960 95911 93811 37613 89175  
08418 25551 69178 44434

Attention (message repeated) Out

**12067 kHz, 22-11/24-11, 0845 UTC**

719/33 Attention

49390 36889 06520 04229 69423 57924 84538 84743 21764 45446  
60916 92554 95432 33425 56480 48318 82004 92965 31904 75272  
38586 49566 93245 44627 31603 35688 84392 18557 46622 23111  
98011 89740 38307

Attention (message repeated) Out

**6849 kHz, 22-11/25-11, 1900 UTC**

641/34 Attention

57253 23515 86167 58975 37736 06867 02234 79506 63764 09286  
35246 43451 46927 84065 06874 67580 54557 88253 84565 83520  
32749 40407 82512 09019 44932 43381 26876 95650 82069 99467  
75183 60965 77174 02004

Attention (message repeated) Out

**13908 kHz, 23-11/25-11, 0745 UTC**

229/32 Attention

83114 39453 85006 84446 92214 12824 66406 57578 70952 94505  
19807 92326 52773 66319 98711 35627 87774 44448 23436 85966  
92848 80526 78091 38134 50353 65056 70735 47863 55604 99252  
70486 47787

Attention (message repeated) Out

**5432 kHz, 23-11/28-11, 1605 UTC**

238/40 Attention

39939 17336 79812 32107 36324 91794 83611 63152 48298 63005  
67754 32564 12453 63152 69608 64632 94939 21770 34914 42174  
33483 91459 98752 71240 92134 40354 82233 52374 45633 35570  
78882 05526 90450 53208 07351 42050 32182 22022 03510 95351

Attention (message repeated) Out

**11104 kHz, 24-11, 0715 UTC**

757/38 Attention

61157 11206 79097 10686 83173 26053 24469 56520 61333 44887  
 55521 70856 05514 23465 34045 85417 04251 10326 59277 29542  
 11920 81231 97260 10925 03999 90081 84212 96322 33045 45262  
 28165 25274 35804 73484 07118 54343 09491 37062

Attention (message repeated) Out

**17378 kHz, 24-11/26-11, 0745 UTC**

344/32 Attention

60174 35252 57874 56799 50718 26648 48240 23993 31875 17781  
 99073 42724 99545 14190 96849 25001 27839 37502 78325 71429  
 98204 04897 23835 85324 38419 38155 12034 04899 17313 08537  
 32697 56439

Attention (message repeated) Out

**5082 kHz, 25-11/28-11, 1330 UTC**

528/36 Attention

66827 07107 70503 65745 48715 56657 51134 27616 31836 36037  
 76254 88749 77587 57782 35382 28525 75300 33758 17950 24908  
 25297 50657 95574 51153 57535 42181 56280 81115 24691 65631  
 15034 96121 94164 74681 86282 24929

Attention (message repeated) Out

**7850 kHz, 26-11/28-11, 0600 UTC**

352/33 Attention

86086 79308 03504 09383 14351 97947 82410 83464 37966 62018  
 36267 73368 77203 81897 57551 65879 56972 66980 80147 74771  
 85409 65835 22957 14566 53336 46368 05011 52715 55828 18928  
 08934 65030 63957

Attention (message repeated) Out

**13363 kHz, 27-11, 1430 UTC**

911/31 Attention

75506 37931 64195 40803 68480 98069 93910 44265 41872 66285  
 08403 97106 12032 64168 23116 32143 99828 11235 35743 88120  
 95945 69327 94862 94705 07262 75651 07490 35165 58293 60945  
 37746

Attention (message repeated) Out

**E17z****10240 kHz, 01-11, 1230 UTC**

Synthesized lady. Several errors and restarts

**7685 kHz, 01-11, 1255 UTC**

Synthesized lady. 274 repeated for two minutes. Several times off and back again.

**7685 kHz, 01-11, 1258 UTC**

Live transmission. Male operator

274 839 20

33797 12577 74526 46647 79202 53516 21717 56069 96812 14499  
 20534 22260 42494 27628 16070 48834 53745 72088 02440 58514  
 839 20 000000

**10237.5 kHz, 03-11, 1300 UTC**

Synthesized lady. Several restarts during the transmission.

274 806 31

14288 83431 47365 93778 96654 83555 46798 39823 83826 84071  
 25086 72974 34674 13715 33927 84757 87565 84548 44952 80955  
 30492 93543 48616 43989 51418 48981 36674 71352 83420 26860  
 59791  
 806 31 00000

**8080 kHz, 03-11, 1328 UTC**

Synthesized lady. Garbled voice then readable:

13715 33927 84757 87565 84548 44952 80955 30492

silence, then live, male operator

274 (repeated)

followed by the rest of the message

**5082 kHz, 15-11, 1430 UTC**

Synthesized lady. Several restarts during the transmission.

274 859 16

88620 58069 61732 74537 57440 10597 23521 47660 92883 69901

39534 17228 15636 47891 23247 17099

859 16 00000

**5378 kHz, 15-11, 1446 UTC**

Synthesized lady. Several restarts during the transmission. Live after a breakdown at 1456z. Male operator. Incomplete message.

274 859 16

88620 58069 61732 74537 57440 10597 23521 47660 92883 69901

39534 17228 15636 47891 off and back

00000

**5082 kHz, 16-11, 1430 UTC**

Synthesized lady. Several restarts during the transmission. Live back after a breakdown. Male operator.

274 913 24

47048 80974 83173 48034 58176 37025 32951 17414 89191 88796

58872 48810 96167 99345 89786 37345 44534 20979 46336 25593

69951 24876 91917 46220

913 24 00000

**11170/9820 kHz, 04-11/11-11, 0800/0810 UTC**

217 930 5 53516 25616 56069 96813 14599 930 5 00000

**11170/9820 kHz, 18-11/25-11, 0800/0810 UTC**

217 843 5 10597 23521 47660 92883 69901 843 5 00000

## S06

**11616 kHz, 12-11, 0400 UTC. Silence after callup then restart.**

480 079 287

34451 29862 90536 38904 65098 39845 67449 74759 82369 23910

14894 40449 17535 55081 56368 20348 01808 11183 64755 72677

70417 63939 51589 94641 82011 44747 39637 04058 20577 23031

98464 35935 72072 58145 47676 77427 92950 10747 57517 89608

12763 24573 01534 89490 38040 14570 40959 90746 49621 22311

45541 26554 10611 24625 80466 03006 27289 06403 14101 56524

29743 33483 26204 13726 65097 86587 21332 77147 19850 42219

77094 85306 13901 off

**9322 kHz, 12-11, 0420 UTC. Feedback during the transmission**

42349 62816 94164

480 (R) Several restarts. Off at 0428 UTC. No message

**7553/5329 kHz, 19-11/20-11, 2000/2100 UTC**

768 259 40

27286 04156 70242 22851 77820 41191 43991 68193 39789 60388

45162 47275 32192 03214 70988 33315 97350 33661 38755 69436

30902 85067 19942 43664 57330 28710 54440 91355 28881 78105

89404 27974 76731 85129 09891 67017 91627 29953 47120 38734

259 40 00000

## Group-count cycle network transmissions

### 04-11/05-11, 0830/0930 UTC

No S06 842 transmissions due to Unity Day holiday

### 19875/16067 kHz, 11-11/12-11, 0830/0930 UTC

842 913 42

89523 35541 54595 57912 55773 81658 69976 11042 63763 39476  
79164 11290 05578 96633 31467 35734 94318 32197 64957 63485  
44254 86131 97602 50087 36607 57003 59516 07500 13175 38837  
20997 63070 64972 33076 96064 95958 08084 96569 26171 74431  
63898 11540  
913 42 00000

### 19875/16067 kHz, 18-11/19-11, 0830/0930 UTC

#### 19875 kHz, 19-11, 0830 UTC (presumed, not monitored)

842 576 43

20565 33444 16084 92572 76961 60984 78343 10559 19759 36487  
49258 61348 00779 06918 77989 37403 90604 41587 67996 15563  
46160 63758 03834 34796 18221 81966 76493 66627 22304 38229  
93205 07935 21379 15341 82662 50786 93830 70435 31584 09023  
85113 87006 13565  
576 43 00000

### 19875/16067 kHz, 25-11/26-11, 0830/0930 UTC

842 930 44

56204 64085 19841 80902 25191 04352 27818 03907 05328 78158  
00260 72136 21378 57051 08553 85746 65312 31821 36302 86094  
35489 27140 46304 59293 98193 28024 06581 35182 26231 91544  
42700 17643 94258 42231 08540 07202 35542 74608 92708 01849  
89824 11292 02787 87030  
930 44 00000

## S06c

19134 kHz, 11-11, 1100 UTC 11024 (R)

13468 kHz, 17-11, 1100 UTC 11115 (R)

## S06e

### 11073 kHz, 30-11, 0600 UTC

352 819 40

56552 71932 41908 16873 40571 45765 41774 79766 23160 50768  
84430 67874 70942 91434 24155 86648 56472 31963 64144 38073  
94718 47471 56330 38526 26145 08123 65758 77525 41334 14895  
03177 11342 32849 03291 92510 61107 28709 75464 06333 37839  
819 40

352 476 19

12597 92102 42301 15566 12803 76341 19675 84018 66415 18234  
83731 04524 06279 85393 64507 62102 06697 70312 04323  
476 19 00000

**6252 kHz, 01-11/05-11, 0915 UTC**

483/36 Vnimanije

15692 65926 75517 63458 73725 61951 48902 46540 05047 63098  
52479 57601 13539 08380 15617 79005 21423 93967 91553 57498  
93449 36994 25051 20930 17730 37264 88188 77168 78663 32172  
94215 07594 19026 51163 91947 31289

Vnimanije (message repeated) Konets

**8102 kHz, 09-11/12-11, 1020 UTC**

426/37 Vnimanije

59537 66743 30705 03078 15765 90534 53441 80295 41126 31740  
16914 02170 39349 47335 79772 48699 05260 06426 87160 85342  
72252 69762 03899 31732 27158 79627 98220 43603 40430 70440  
94950 31984 77909 15681 29382 04515 18458

Vnimanije (message repeated) Konets

**11486 kHz, 10-11/13-11, 1850 UTC**

285/34 Vnimanije

68567 16851 33406 94734 13767 85855 51677 33762 02399 18716  
49001 72150 87803 25821 06797 31053 79296 76433 11082 95209  
57149 53450 64265 39628 00477 28395 03917 92125 36828 77797  
62895 25886 03881 28610

Vnimanije (message repeated) Konets

**5371 kHz, 13-11/17-11, 0830 UTC**

379/32 Vnimanije

32827 95881 18159 14801 64130 78366 94168 02600 39996 55032  
79866 63552 12376 79188 60756 79512 38590 35569 80588 83887  
27350 96874 67601 95478 49570 66369 11257 70782 38834 58907  
90140 12996

Vnimanije (message repeated) Konets

**9050 kHz, 15-11/18-11, 0700 UTC**

471/38 Vnimanije

59431 58632 23052 18428 00969 60703 11259 32530 03304 54314  
79865 67390 27111 37495 99331 39218 93825 71810 23497 91453  
90379 15260 98278 49232 74227 07184 43289 48693 20221 94820  
53654 64463 85143 82444 11779 76102 66655 46510

Vnimanije (message repeated) Konets

**9057 kHz, 22-11/24-11, 0510 UTC**

655/40 Vnimanije

57956 81986 86743 29905 78231 56961 31080 19783 55756 43219  
82245 94051 88155 84531 33347 20174 18164 51262 63883 95743  
35384 79476 30952 50896 66199 08620 14587 22732 97091 40008  
05305 17373 15106 34991 24985 35759 09376 26250 91490 21724

Vnimanije (message repeated) Konets



## V07

### 15946/14846/13486 kHz, 07-11, 0100/0120/0140 UTC

984 984 984 1 332 100 332 100  
36124 73341 48679 67769 12404 85103 45783 49054 11369 89953  
89863 58529 96042 00944 74038 57070 17329 00460 10821 06112  
58923 46296 54990 68317 56475 45149 33068 41092 73457 82228  
63189 55723 58183 85591 07606 74204 54629 25799 41076 38522  
21611 31716 58198 50176 26014 22718 62761 92159 42569 42527  
76710 08420 38573 84975 85458 62152 68094 31141 49777 24116  
71012 66810 57028 23731 52591 52937 98661 04833 63987 30205  
03565 34391 28947 11220 79954 62544 58558 84956 38353 28282  
36687 71623 15335 85054 83531 27557 73387 10232 39359 58156  
34542 53684 16310 01668 63424 15944 62096 68217 19187 14252  
000 000

### 15946/14846/13486 kHz, 14-11, 0100/0120/0140 UTC

984 984 984 1 591 116 591 116  
98396 24514 31409 21477 60501 21078 06841 99065 12053 06558  
36835 40445 38666 44229 80885 09546 15279 42351 13780 79540  
80048 25445 53667 90159 34729 27086 69839 69427 79604 84473  
58846 56174 75692 94231 61277 31113 58847 25860 68795 50165  
39420 95403 78818 49031 81651 27112 90094 36174 53780 05229  
42887 14311 84951 27418 37049 66807 78533 91211 15026 68248  
77739 47123 20099 20375 13320 32043 62693 62700 94026 45054  
78722 21912 65266 54730 08588 50656 35530 47316 08925 48618  
44904 23021 65109 24686 37539 88341 94989 09456 46135 03954  
03197 61840 34779 70181 28321 26587 74814 79740 72762 86588  
70140 81650 73197 35413 43318 18269 82774 09165 75180 37698  
20526 42773 79225 54734 70089 13088 000 000

### 15946/14846 kHz, 14-11, 0100/0120 UTC

984 984 984 1 484 122 484 122  
81809 53409 34304 95353 60814 89905 79066 02212 13366 66779  
09017 27519 71341 43077 76749 06260 61603 79723 80184 59938  
53219 68007 73398 02664 67843 90569 07356 58484 32342 31504  
05871 87225 06039 96889 52724 94342 48838 15909 04487 75380  
63610 23235 44296 43538 60098 45842 77382 85472 99556 38131  
70419 78999 00201 98966 85072 58579 32560 52455 79779 35842  
39896 01604 65955 15954 01678 01876 62911 25051 90122 04780  
74105 02962 40163 05389 19448 17422 03293 17896 52260 81927  
65819 26122 67350 82260 82687 42194 48173 65790 01064 64851  
12118 70337 01836 36949 58058 52714 93747 10468 78135 77915  
24870 08129 96430 01769 54658 54629 29458 64747 40184 33370  
50272 64110 96107 00191 86775 36449 24813 23109 72548 74487  
57006 54492 000 000

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

9276 kHz, 05-11, 1200 UTC New Star Broadcasting

15890 kHz, 05-11, 1200 UTC New Star Broadcasting

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

5865 kHz, 05-11, 1206 UTC, i.p.

## MORSE STATIONS

### M01

#### 5320 kHz, 02-11, 1800 UTC

197 310 310 30 30 = =  
45678 10483 46281 94736 02839 17483 10493 19372 16372 17483  
93721 84937 19365 14372 19473 94758 24621 55472 06905 83921  
74930 47382 28174 27184 17483 17390 47890 15482 37728 95831  
310 310 30 30 000

#### 4430 kHz, 02-11, 2000 UTC. Very poor morse. Runned most groups together. Due to deep fading at times my decode may contain errors (other than the operator made)

197 021 021 = 30 30 = =  
35018 75839 64819 57392 69402 75816 47184 35940 75937 17495  
18497 39177 48174 14937 19473 85617 34903 84038 01848 84830  
84937 18493 04880 57382 49033 84038 19275 84930 74839 17483  
= = 021 021 = 30 30 000

#### 5320 kHz, 04-11, 1800 UTC. Very weak

197 501 501 30 30 = =  
85959 \_\_76 37485 56\_84 46574 57685 76285 85657 75657 8\_768  
74657 28757 06879 75647 65647 12434 65746 28675 72657 96857  
64657 87865 87878 65746 35465 12543 65667 75647 82745 27586  
= 1 30 000

#### 5810 kHz, 06-11, 1500 UTC

197 124 124 30 30 = =  
21323 21345 90987 90878 90989 32121 21342 34345 43235 54567  
21345 65676 90897 09890 65676 65678 98079 76787 65676 54656  
32121 34345 54565 76767 87678 89878 98909 09890 76787 65678  
= = 124 124 30 30 000

#### 5465 kHz, 07-11, 0700 UTC

197 125 125 30 30 = =  
21345 43234 65456 76567 98909 76787 97869 65678 87678 65678  
21234 54345 43212 43456 43213 54567 76789 65678 98576 32120  
43049 56079 64345 53435 65456 32145 65678 43213 54567 90987  
= = 125 125 000

#### 5810 kHz, 13-11, 1500 UTC

197 823 823 30 30 = =  
68294 84920 02841 49392 04829 94029 39201 40291 57382 58294  
57183 30482 36472 47185 58392 48291 50392 49201 57382 49021  
39405 58692 49602 49601 58291 67185 59201 59402 56271 68391  
= = 823 823 30 30 0 0. 0. 0.

The first 0 in the postamble was a long zero, the others were short zero's)

#### 5465 kHz, 14-11, 0700 UTC

197 905 905 30 30 = =  
57289 57381 68940 85920 76849 57381 47839 57189 57839 57382  
56728 56278 57380 57839 58392 58592 58193 48292 50184 47182  
47184 39221 50392 48502 47382 59302 48294 50293 57184 59294  
= = 905 905 30 30 000

#### 5320 kHz, 18-11, 1800 UTC

197 125 125 30 30 = =  
41536 90218 41358 56849 49304 96857 31465 98058 83219 64598  
31456 97809 53467 53189 53679 19038 41567 90876 93102 41286  
98305 41059 41059 56018 03947 17485 73910 78950 91028 64125  
= = 125 125 30 30 000

**4490 kHz, 18-11, 2000 UTC. Error in red**

197 110 110 30 30 = =  
21323 45434 90989 87898 90989 989\_\_ 87898 90989 32145 65456  
21213 87890 09890 76879 76789 76789 98989 09890 21234 98798  
87898 54345 34321 67547 89768 86890 86789 09890 **1.322** 31322 65556  
= = 110 110 30 30 0. 0. 0.

**5810 kHz, 20-11, 1500 UTC**

197 365 365 30 30 = =  
22110 09150 18400 98078 10109 08908 90857 43456 54385 94858  
42345 94857 43458 22110 09150 18405 94837 90374 84756 91827  
90183 54395 32195 42849 22110 18405 09150 94837 36508 52108  
= = 365 365 30 30 000

**5465 kHz, 21-11, 0700 UTC**

197 150 150 30 30 = =  
42465 87890 67965 76578 98078 68975 01231 53576 32146 75456  
13146 31246 08087 90768 83716 21345 43146 43156 31567 79650  
64578 32145 76478 43130 75689 32456 75069 53457 41357 31467  
= = 150 150 30 30 000

**4490 kHz, 23-11, 2000 UTC**

197 303 303 30 30 = =  
73290 74021 57300 77881 64736 87654 92031 74740 32019 02341  
79324 56781 98235 03021 74283 84834 88225 99011 42130 57891  
37490 91811 22836 47921 47389 00023 43427 56565 72340 10110  
303 303 30 30 000

**4490 kHz, 25-11, 2000 UTC. Many errors, some included in red**

197 436 436 30 30 = =  
44354 65709 13243 46576 78759 00978 46576 68797 **68798** 25436 57689 **576879**  
76876 99809 34254 57644 76890 11232 34256 62544 14235 54655  
35465 76889 46537 46573 14322 46578 96870 48765 68787 22099  
436 436 30 30 000

**5810 kHz, 27-11, 1500 UTC**

197 876 876 30 30 = =  
77654 74343 73843 78934 07432 84755 85947 96875 58765 09587  
84756 95876 38443 03345 87466 20938 84733 84737 73834 78789  
21430 28364 37628 33577 33547 92834 74224 78274 92743 72747  
= = 876 876 30 30 000

**5465 kHz, 28-11, 0700 UTC. Different repeat in red**

197 892 892 30 30 = =  
46376 88734 76352 78506 11332 59800 52417 36527 48765 22000  
36527 48765 22009 47810 29043 65524 24315 99297 56387 92747  
27634 48790 23797 88744 77842 88564 65789 **56789** 55749 66473 87653  
= = 892 892 30 30 000

**4490 kHz, 30-11, 2000 UTC**

197 701 701 30 30 = =  
78933 45671 87002 34521 84532 65650 11023 45432 79012 43421  
56780 08721 45022 39023 78566 55505 32345 78910 91211 23212  
72321 91121 88118 49826 50506 23210 98992 45432 23210 00010  
= = 701 701 30 30 000

**14377/13461/12114 kHz, 01-11, 1130/1150/1210 UTC**

317 317 317 1 2044 99 2044 99  
01506 53407 12091 67749 75268 20870 57456 30091 72355 23855  
13251 49823 45791 48437 56821 41606 82218 14931 31857 15331  
39480 44036 33754 23510 99023 38359 97282 97314 74678 04305  
89232 48256 60437 50925 49462 43342 95391 95968 05857 69293  
05041 94508 15826 17427 91244 81996 40302 44882 49886 57686  
84023 82502 85623 11701 68692 02489 14027 99173 28864 92445  
30670 08092 67711 34453 10968 79953 78925 08227 08147 41740  
48803 30982 09565 78450 41283 38494 62448 99891 09406 13599  
66146 26079 45045 84085 89530 47221 03597 00085 39197 49947  
63631 70741 54859 10075 84122 87565 57745 76189 92660 000 000

**9317/10484/11552 kHz, 02-11, 0530/0550/0610 UTC**

135 135 135 1 8340 113 8340 113  
63464 28265 74485 61556 16247 76125 42144 12640 65089 84897  
74848 10097 57010 43944 45140 66449 27147 04662 12674 85985  
45443 23441 55504 85539 07223 18491 16695 73615 79246 47626  
39584 72211 38530 88556 58482 04758 42137 10847 50591 84938  
61051 44764 25737 17259 80071 43573 64371 21613 63204 03228  
12449 61237 19028 71014 00012 58931 00371 30974 18242 62926  
83078 02214 81926 06304 72263 18596 29662 60581 18726 98981  
09889 60347 26251 94300 00492 94003 38785 30866 56118 45207  
45981 94850 10303 39498 86744 39208 32929 89976 81264 42075  
51229 87537 91876 91105 40739 63109 08552 29621 04596 73594  
31911 54932 46546 16344 05895 94772 38156 98337 89206 39135  
00053 73061 06219 000 000

**12162/11566/10711 kHz, 03-11, 1710/1730/1750 UTC**

546 546 546 1 5432 110 5432 110  
57699 06185 78229 52431 89049 06190 15050 58621 62827 86964  
74538 67299 44283 18723 75114 60761 37542 70773 85737 19086  
99627 12382 59575 69756 01094 18832 60802 40270 46848 90970  
21425 89785 33055 40451 67041 42515 08130 46653 52417 16293  
85464 41901 54624 42740 84916 33870 79576 44586 36537 06163  
89884 46201 02204 68859 97887 28635 72231 71632 81475 13591  
27564 10911 50943 89986 41531 72135 93613 96590 61516 82036  
14737 01156 89662 23714 14979 26362 42764 55342 74031 65994  
55895 74934 38531 62017 60286 64652 77427 93817 06999 99615  
45727 42038 37317 63252 34946 00396 67407 20252 62433 32823  
67191 05266 49171 53235 61735 09603 82069 96597 67688 71718  
000 000

**13386/12189/11491 kHz, 04-11, 1110/1130/1150 UTC**

725 725 725 1 6798 92 6798 92  
56723 06937 39649 87570 46750 57694 98216 16136 89146 45471  
21718 98128 29997 56577 25201 55395 93882 81137 24954 90261  
80699 68692 35268 80169 35194 76762 53787 96985 94103 72265  
88567 38642 00067 08398 21309 83167 43004 67013 09455 84433  
99273 65568 97078 79920 27258 37750 48728 50378 12324 38678  
94231 17690 88054 00893 66249 03915 40061 96316 83369 32883  
20742 21841 87545 77335 46734 23645 75182 43649 78907 08911  
59438 53499 95383 26711 41847 67654 33520 81796 18650 14165  
41897 30952 86945 50174 18740 54336 16000 25546 71268 49194  
02313 53381 000 000

**16292/14892/14392 kHz, 04-11, 1400/1420/1440 UTC**

283 283 283 1 8266 51 8266 51  
60142 41487 27453 72861 27022 55407 60517 13792 10718 38022  
23912 53437 38161 00323 84813 50138 73205 54844 24853 94700  
19874 94615 20541 64296 13884 28455 95764 92050 87488 26349  
19848 97639 98324 89201 03608 56824 36154 53787 02034 73060  
20445 85836 28511 66327 07142 17294 02664 88449 11503 99954  
81527 000 000

**12162/11566/10711 kHz, 04-11, 1700/1720/1740 UTC**

546 546 546 1 3858 107 3858 107  
59953 39527 36012 27531 11302 16545 44777 26407 11532 30971  
82082 35821 63172 98339 63559 95089 06726 14943 67280 79702  
47674 57482 75030 06810 59803 81741 98065 30080 39125 17970  
11696 59545 41963 94477 96016 58641 11949 81090 44525 20495  
62100 50531 63134 21564 74572 50853 54684 90934 76673 13282  
14748 17375 51995 26284 12126 07741 18022 07202 17179 67720  
51330 82477 30854 61664 54153 40430 30536 04713 72439 18632  
50075 19896 78173 34484 13537 29862 54005 30785 06846 81795  
64781 15702 11171 38010 37633 45078 12805 17193 82764 95032  
01592 97456 64010 93010 66172 09094 94647 06886 33627 32654  
64936 49871 07407 17640 34246 29809 83448 000 000

**12162/11566/10711 kHz, 04-11, 1800/1820/1840 UTC**

546 546 546 1 6838 106 6838 106  
38618 57646 85312 17937 89666 51151 84968 71353 61740 97726  
77344 42952 36027 46634 93390 62167 84984 11423 52820 01465  
20477 33348 20374 87176 31499 75090 57404 80111 77041 49081  
39602 15480 83442 45235 85968 51074 84176 51483 25312 43617  
96723 79916 94631 41677 21493 22843 24905 17939 51213 88998  
36934 72791 41584 55580 61372 19364 32950 55567 99924 36468  
33191 13112 88047 22978 99911 72028 54681 01948 23330 08442  
16689 33084 92937 42237 02596 55520 87596 98897 61019 04064  
75172 91713 78775 26978 54350 90505 05982 25877 80650 83446  
35378 31672 85763 28943 68190 47851 55032 42198 09048 23027  
93019 54373 63057 25338 07052 77608 000 000

**14377/13462/12114 kHz, 04-11, 2000/2020/2040 UTC**

317 317 317 1 2804 105 2804 105  
78454 06720 06662 47866 74622 89515 17796 16312 96551 12621  
34227 32125 10678 39790 84636 18101 62392 75423 94051 99768  
15713 87865 41119 87750 85461 33127 21419 15153 96768 73952  
11250 50099 55683 37927 36110 17874 04506 08813 14168 49935  
03688 59048 82358 00623 48886 84536 28523 77710 07325 81677  
33690 24819 14786 97011 22413 64638 77852 81511 29619 60555  
10555 18463 78432 36257 81998 26327 69076 62201 06874 44395  
98077 91562 45297 87765 03137 12254 73367 88396 57576 44906  
77635 56606 69924 11529 94890 38362 73196 06011 12229 67234  
38607 38621 72979 27053 51407 61594 55029 86013 29794 82537  
96709 24530 23686 12770 56911 000 000

**6937/5737/4537 kHz, 04-11, 2210/2230/2250 UTC**

975 975 975 1 6130 78 6130 78  
25643 78959 06161 72794 54627 42922 42848 18719 81021 46563  
08040 85911 48445 31161 08037 11170 09882 33028 36586 08307  
01428 81114 56559 80794 70095 24333 97885 37105 45204 43670  
08397 33360 82303 45648 00956 57590 80933 09330 94340 38350  
29391 03743 30618 63693 38301 00562 26090 75174 44679 80538  
62206 08236 76505 90718 96182 66250 86272 14010 99353 69903  
21148 16611 82660 17729 04754 42824 58283 65379 07354 93706  
06771 39310 13839 80847 71269 87774 10695 72520 000 000

**6859/7459/7959 kHz, 05-11/06-11/12-11/13-11, 2200/2220/2240 UTC**

849 849 849 1 254 32 254 32

23965 32322 49103 90236 92073 01961 81571 95376 85060 20394  
80369 52508 77945 16869 08143 66140 07232 01005 88619 11356  
67203 81836 03864 91369 73665 81103 08336 83720 56525 74022  
44741 96564 000 000

**11435/10598/9327 kHz, 06-11, 1800/1820/1840 UTC**

938 938 938 1 2739 78 2739 78

95861 33997 05581 68547 23689 76952 72501 59404 24512 46982  
21365 68064 73370 89476 64505 87455 07120 58855 69756 80813  
42226 76316 84413 02074 91919 76936 89320 84862 95787 25616  
60163 32038 16948 81115 53345 43046 29769 78686 54570 25298  
13561 36619 01566 19250 94349 18542 81065 84156 11496 38818  
33698 60079 40281 80918 77789 70485 20459 54178 83451 09577  
38621 55890 66217 46796 49230 33179 84602 33233 96261 21287  
42613 46327 14002 29193 04367 86617 21395 68478 000 000

**14377/13462/12114 kHz, 08-11, 2000/2020/2040 UTC**

317 317 317 1 2052 97 2052 97

91964 51556 50317 67092 10662 66239 72236 75315 65225 16835  
46216 94337 88168 37950 04846 57310 08874 10076 22946 73642  
36235 08740 20127 99427 36298 75478 20187 36523 32664 10967  
89469 63347 53068 11353 34183 00646 68700 36291 03058 91082  
07123 47538 56880 65054 58333 03603 90825 97566 60905 34241  
31436 23793 00599 58621 90398 58380 51189 85453 50525 55910  
48932 37441 30997 99691 93096 95133 08175 71866 01939 40646  
68001 07072 76111 49130 80920 83691 88676 18065 90048 40824  
49348 58703 61154 90349 68581 70536 85446 95291 21028 89499  
36328 63430 43345 16695 38437 47292 76542 000 000

**10446/9046/7946 kHz, 08-11/16-11/18-11, 2300/2320/2340 UTC**

392 392 392 1 114 49 114 49

89828 11381 06590 82782 66678 79754 71987 12754 42397 81511  
00049 16820 46213 34481 02590 29952 48395 27035 33670 86492  
71972 60467 67256 48050 98162 42765 99509 69811 50997 14675  
37787 88911 16761 58597 25292 54823 12190 11093 20182 07939  
70355 09701 30684 28334 20352 34752 63032 77498 77238 000 000

**6874/8074/9374 kHz, 09-11/12-11, 0030/0050/0110 UTC**

803 803 803 1 7374 135 7374 135

84333 34607 76352 60678 49079 67660 44517 90120 18862 69270  
41492 93890 22111 59818 32508 93257 32467 20470 14504 57571  
94292 57788 98672 76292 74757 00163 22061 39165 48173 42760  
63696 51150 07215 39769 45376 66738 14899 27506 95260 36940  
91000 45632 71756 36501 08162 09142 14128 36850 77469 37567  
66206 27714 30128 71705 55960 44267 44620 96292 21542 46285  
29083 29502 89634 21786 36405 88905 21634 80366 44253 17188  
19954 41448 69594 05697 46452 84019 48126 31422 34043 96569  
47931 20398 88801 26721 93795 30825 70448 98226 53591 00021  
76892 40011 08855 20157 86992 65311 15489 17625 76941 47395  
92320 97783 83921 24964 63025 77449 88050 69101 97946 06272  
80010 91659 81290 89209 47446 87015 50172 64943 75341 79885  
78728 71314 38932 19498 89962 28420 85276 98561 41594 68564  
24540 50206 72502 97730 15689 000 000

**9317/10484/11552 kHz, 09-11, 0530/0550/0610 UTC**

135 135 135 1 5482 105 5482 105  
86215 67333 75105 60270 68252 33625 98716 77471 14325 74877  
67895 03682 31073 97938 85558 24904 84958 19866 31548 93569  
05588 12203 54534 82491 99365 70079 89034 29177 96830 95109  
79677 01820 01504 73291 91712 20056 29982 91363 10866 71783  
53290 61444 00368 12685 60559 82245 13220 96076 76883 17285  
54827 47601 21992 67058 41828 91318 10199 64995 10963 57997  
36601 35647 34520 28596 28596 42292 22344 44075 08572 74751  
56835 41637 13725 00076 89245 33878 94676 53999 37704 71211  
63093 63481 12948 67950 61722 01298 20662 53640 18078 07227  
01614 52372 41501 15322 20558 70392 39928 13517 20915 03097  
44094 96136 48449 52227 70159 000 000

**17432/18532/19132 kHz, 10-11/14-11, 0800/0820/0840 UTC**

451 451 451 1 7354 89 7354 89  
20017 14511 13924 66033 35693 27328 40377 40170 99726 77824  
00432 45775 15787 87595 63943 88358 43643 50230 74884 85080  
62860 25977 18983 64808 49611 60421 47649 61323 42960 31437  
39545 08268 22759 81460 63665 20678 79353 78946 54505 49944  
29606 58353 35170 25375 40312 72086 29880 15882 76299 32816  
28362 63949 93453 84349 37256 81889 66744 93163 40380 00990  
87805 08583 51756 91454 40990 62556 35477 78371 03201 75607  
92539 36801 64785 76118 61499 30484 83508 38272 77375 28924  
25732 01912 08934 96823 47826 30699 65330 08185 13822 000 000

**12162/11566/10711 kHz, 10-11, 1710/1730/1750 UTC**

546 546 546 5828 111 5828 111  
12421 63542 59366 67584 09439 06100 37101 27290 44335 67706  
07216 18131 01539 88343 94580 65172 29140 54930 45970 29036  
84277 51310 57309 19123 38949 34787 65704 86465 40834 62989  
28793 94873 13533 00260 45479 29602 14994 88774 47633 05593  
69284 74090 97852 64685 12526 69049 74766 22047 37864 69106  
58632 44017 73603 59290 43211 44889 78074 87441 71879 01738  
67101 16517 05229 93864 75772 34511 26592 06962 22361 29679  
73181 19488 61495 40309 33232 42160 38714 84671 11175 08307  
16676 31866 87874 73356 04587 22471 69188 72040 75012 33337  
75737 70794 17049 96996 53859 43454 89094 11711 74009 04613  
73462 36242 36155 26197 79779 02768 97326 55370 49298 13457  
33635 000 000

**6917/5817/5117 kHz, 10-11/17-11/19-11, 2000/2020/2040 UTC**

981 981 981 1 2065 93 2065 93  
92281 37457 83485 82853 60539 28594 91541 34871 41111 85272  
39516 40756 01521 28259 15534 54822 55138 21604 64033 54466  
84779 46112 00421 07154 01241 93495 61098 18104 18300 18157  
31321 73346 83469 15076 97041 49154 15141 43287 64123 17615  
66905 17146 53958 73831 33163 36315 61673 02253 06972 15157  
92400 72796 57994 65159 03760 71616 21787 56876 61169 53242  
72017 30902 55605 69969 12376 12054 54698 60377 90310 10393  
14355 61705 29320 11774 72497 34867 62098 79177 88099 23828  
46608 51456 46446 19872 61870 82658 18075 06122 66955 16247  
91553 14513 12808 000 000

**13386/12189/11491 kHz, 11-11, 1110/1130/1150 UTC**

725 725 725 1 2117 97 2117 97  
83000 11011 18361 06526 39434 66277 61192 74624 58775 95287  
90053 99763 58335 97344 69280 42674 14397 50653 87088 75325  
21841 07249 72912 04359 80805 88493 98312 95987 88265 58967  
31836 23783 13209 88792 44581 08150 99810 70059 68045 45166  
60033 86916 41283 25102 88296 64126 46583 98482 10885 46102  
94148 87066 35751 76354 30270 79432 93096 05094 27818 63378  
82569 91340 93646 04881 16311 61094 45753 77307 82685 81448  
14556 28443 80496 36109 31703 90563 47512 90191 82879 78621  
20454 07426 23818 14276 34181 02015 13240 42062 25929 44697  
25958 78533 76265 81313 84644 75986 65132 000 000

**12162/11566/10711 kHz, 11-11, 1700/1720/1740 UTC**

546 546 546 1 1569 111 1569 111  
09528 94659 25728 67325 38865 04211 23443 05762 86488 36006  
31863 11877 41436 81288 09697 74981 44257 14712 87098 61029  
24115 45895 71053 99965 43169 29610 63789 03093 65764 77468  
61475 82413 48799 34153 69928 86522 55033 48021 79868 88860  
25832 71187 27297 98454 44945 71340 97810 96606 27159 96989  
94316 86474 68778 49198 21382 72446 01450 44641 22960 39364  
95906 81498 52904 44263 02675 02788 78707 42382 30766 03815  
97634 69245 54500 65939 20349 05915 74529 01360 59937 94669  
43423 83233 09198 19219 41333 21060 59310 39290 69929 68045  
92564 20181 73527 15985 26302 52047 30510 34767 28373 33747  
09193 38438 09718 67414 78202 42579 24666 49677 40387 20296  
58590 000 000

**12162/11566/10711 kHz, 11-11, 1800/1820/1840 UTC**

546 546 546 1 6041 109 6041 109  
79480 46460 69280 94350 57973 30253 61427 44095 67262 55036  
62440 09657 44933 54906 54304 85357 80887 36027 48421 27927  
05961 19402 46079 35060 84621 60182 06087 20165 42002 77637  
67328 68744 18581 86106 34305 64694 83815 23701 43614 56284  
16664 23262 12706 70428 58182 07159 92752 27163 80189 25657  
51009 35744 52672 94173 98789 47290 40584 72769 70628 64369  
73827 64104 62749 46824 77586 92593 03692 02307 30613 42224  
05112 98958 48274 25819 23750 70351 79253 42473 12723 57960  
83132 68515 84431 55740 00177 95525 91753 38926 56315 78318  
90559 82362 12366 67907 66474 47929 11435 86154 04294 32758  
98331 25705 03061 98907 05456 13531 10340 28122 28093 000 000

**14377/13461/12114 kHz, 11-11, 1130/1150/1210 UTC**

317 317 317 1 4930 108 4930 108  
58931 57067 73350 30708 32352 13783 95616 01978 21906 21221  
44900 25300 19137 16290 10026 12290 91478 56603 48967 30624  
59320 34648 93401 04342 50255 21352 16944 98274 19113 13946  
86209 57777 20117 34952 22591 69024 82884 43958 10502 07939  
74324 61282 56528 91372 05370 17570 80727 49637 31033 45222  
83109 21613 95573 59254 05099 84046 64341 58635 23408 76297  
42682 33110 71156 42068 63901 61011 22061 48418 17427 11833  
45600 12665 23998 40542 68977 99729 52677 66050 12756 87433  
16417 66831 14370 96221 80940 40319 14498 97501 97648 68056  
15215 16002 63749 70391 10112 03553 59847 61247 27574 60240  
65134 13195 71467 65263 58919 45465 90157 08496 000 000

**6917/5817/5117 kHz, 12-11, 2000/2020/2040 UTC**

981 981 981 1 2065 93 2065 93  
92281 37457 83485 82853 60534 28594 91541 34871 41111 85272  
39516 40756 01521 28259 15534 54824 55138 21604 64033 54456  
84779 46112 00421 07154 01241 93495 61098 18104 18300 18157  
31321 73346 83469 15076 97041 49154 15141 43287 64123 16615  
66905 17146 53958 73831 33163 36315 61673 02253 06972 15157  
92400 72796 57994 65159 03760 71616 21787 56876 61169 53242  
72017 30902 55605 69969 12376 12054 54698 60377 90310 10393  
14355 61705 29320 11774 72497 34867 62098 79177 88099 23828  
46608 51456 46446 19872 61870 82658 18075 06122 66955 16247  
91553 14513 12808 000 000

**11435/10598/9327 kHz, 13-11, 1800/1820/1840 UTC**

938 938 938 1 3867 74 3867 74  
16730 07013 51618 38407 44417 52626 77905 19713 61844 32940  
65769 82564 71755 82556 40260 35074 22129 29206 93165 53396  
06476 62066 31822 59562 89586 09604 02103 58352 09643 84940  
68767 01515 76025 10886 66932 93148 69198 25422 43205 48382  
76074 98348 70028 74033 56562 34878 09221 09458 31045 42028  
97946 10451 59667 77808 89550 45118 04698 39850 94932 44467  
64930 91442 59360 12774 79208 30126 91431 64298 15334 01231  
17629 71856 99182 34954 000 000



**14377/13461/12114 kHz, 15-11, 1130/1150/1210 UTC**

317 317 317 1 4820 90 4820 90  
32533 19454 79656 96960 30119 96103 25437 71539 37757 55628  
38747 20434 58311 24378 81676 63644 30820 47964 67194 53635  
02830 22080 94990 59007 44632 19620 27383 11628 16155 27299  
62550 55508 25888 20058 33826 83170 47733 91787 65536 58373  
16605 34391 24704 48448 03272 87550 99348 81670 57765 27481  
73992 83887 58882 20316 31743 35520 03633 60420 42804 69942  
14228 56468 28686 21456 16001 03696 36099 60458 95838 56041  
55381 43207 29505 68690 27876 58726 43270 82184 28475 90781  
70039 86625 56943 97796 37847 33017 40909 32882 15929 59936  
000 000

**16292/14892/14392 kHz, 15-11/18-11, 140/1420/1440 UTC**

283 283 283 1 188 78 188 78  
25220 19267 92546 57160 40897 17326 98541 28255 22962 75891  
13870 23157 10789 46336 26423 22994 98792 53906 09546 65238  
14058 41135 03718 21202 75739 81692 83657 70221 39579 13830  
97052 61028 32218 71095 48421 24862 42395 24206 07544 99689  
71794 21308 52201 65109 52317 55976 42625 68874 20665 10347  
97701 68975 05255 94977 46438 26358 84079 86994 13555 61432  
93382 40780 02316 10706 14148 51523 06513 97040 64385 68272  
45016 43699 17759 02494 24562 62454 86334 19556 000 000

**6937/5737/4537 kHz, 15-11/18-11, 2210/2230/2250 UTC**

975 975 975 1 9528 49 9528 49  
50274 76173 19461 17626 35197 28086 06307 76740 60838 46146  
34042 31045 26365 96529 22193 81553 03374 19705 27913 40058  
13991 98081 03545 86495 52053 40576 85401 91536 43717 82688  
21704 38919 64240 92238 97591 55504 32760 24823 24678 28364  
40599 12169 02012 58286 31480 29958 93459 54640 98632 000 000

**12162/11566/10711 kHz, 173-11, 1710/1730/1750 UTC**

**1710 UTC hiccup in 3rd group**

**1730 UTC hiccup in preamble, 1x 000 at the end**

546 546 546 1 6794 108 6794 108  
58011 18760 08098 67033 17677 09423 56936 74008 72433 64307  
48866 81240 13525 49730 26045 92241 66448 67278 61506 46188  
67095 78316 58834 58149 66944 11981 20454 86581 74103 72251  
55782 08543 68594 43395 93221 14807 88365 73633 00055 89268  
39202 22560 69574 75836 17964 82773 21213 96343 58927 04307  
30897 69653 94738 47345 11491 37783 39799 13246 09804 10642  
31846 26970 82719 96747 14975 23350 21260 20337 43498 71604  
42271 82194 82472 69107 93462 70996 06205 99552 99398 29771  
80535 18543 82123 19312 73687 99580 72278 01944 14013 67156  
25544 54656 22645 50332 00970 22451 17928 16733 64382 87658  
64825 16831 29144 53463 82096 67052 45875 78666 000 000

**11054/10754/9254 kHz, 18-11/28-11, 0110/0130/0150 UTC**

972 972 972 1 311 36 311 36  
95325 17537 13286 99224 69096 04106 29808 42373 76163 39501  
93939 37159 16646 78425 28241 90416 78409 86807 28745 21497  
54667 26011 70215 05334 00575 02861 10551 95957 14286 16285  
60112 67795 78562 04113 35685 88597 000 000

**13386/12189/11491 kHz, 18-11, 1110/1130/1150 UTC**

725 725 725 1 1798 97 1798 97  
14700 93986 38680 47344 79880 14453 69779 65319 62134 85671  
00040 16809 48440 40883 84157 58441 58642 69378 07224 88630  
87843 58565 31483 61013 47102 12909 72033 80106 73624 82387  
67495 05712 38578 11155 69946 10853 98122 97072 22083 88843  
70821 68934 06282 57348 30322 49018 22426 89816 08732 50157  
15450 77606 68751 82914 58188 42006 47436 78928 03849 20214  
30013 23565 46632 83484 03723 19786 40953 37303 42274 47401  
95474 02771 35600 37008 19440 70089 44577 86112 00080 85161  
67429 91976 92976 89932 65878 02531 29373 60377 76443 80912  
86844 08648 75654 08240 76164 90449 03302 000 000

**12162/11566/10711 kHz, 18-11, 1700/1720/1740 UTC**

546 546 546 1 9191 111 9191 111  
81456 05963 86145 74787 40358 64260 49188 60425 83260 94232  
07192 77870 62269 94359 70429 08658 11940 68250 82619 51671  
41635 02891 90389 43862 01751 43334 92934 95589 39341 78724  
13040 24120 69552 70940 88969 08233 65083 52431 44303 34824  
79325 34459 41794 09616 55635 44125 60096 62829 17936 27333  
47659 13961 83103 31737 71414 76263 71790 94494 33111 86803  
19065 33402 40234 75193 96784 49205 07231 81047 69370 20774  
24963 41111 30451 68925 64727 02082 42553 58507 69923 55853  
31518 76692 20397 05825 73849 65481 43449 27375 92575 55952  
07605 92021 21777 86904 31066 57193 15951 76489 06162 74896  
96919 86930 10090 62169 12003 60449 19134 55763 16088 06266  
42294 000 000

**12162/11566/10711 kHz, 18-11, 1800/1820/1840 UTC**

546 546 546 1 3103 112 3103 112  
65561 90885 45237 57818 84565 65890 00757 24467 80075 67887  
89569 20915 32974 38754 12139 83818 87921 15155 24313 60321  
80235 57161 82726 62653 76102 69093 70590 75666 44446 96047  
34794 19119 56223 76829 15998 32733 99520 32658 83570 72119  
28756 84800 81879 61929 59331 80290 11640 11062 94650 64783  
62814 25447 71898 75378 40300 03834 32454 92507 57684 75662  
11999 58803 87094 47348 40392 64553 47103 23459 14468 87639  
91177 17962 02278 15962 12757 05614 98263 25332 43828 81776  
27918 74606 50823 20635 62648 84578 88842 28076 89366 34695  
85320 00529 28818 72490 39876 78074 48519 34642 23883 90189  
10682 87552 19785 43714 25978 01946 77283 41691 59110 36039  
63937 60802 000 000

**14377/13462/12114 kHz, 18-11, 2000/2020/2040 UTC**

317 317 317 1 4503 109 4503 109  
44486 05615 24853 71369 58957 94295 48929 82240 01242 24520  
98770 54916 62760 44665 58868 46534 49085 50213 33174 74537  
78965 00185 99562 62805 31421 17010 00156 50334 59464 47457  
56584 64653 39985 97096 69459 47887 42544 45210 13801 50504  
66490 61989 86778 04431 34995 31444 42730 87548 26412 46011  
15281 26547 47545 69370 28048 70860 70222 89828 12173 50956  
42218 25793 18839 44217 60098 06303 61306 47140 31896 33879  
18779 41328 52766 05875 62714 41125 68512 83511 34954 14235  
75123 80534 30061 76638 69751 23173 08767 16374 78168 33346  
48959 78501 59804 42380 02890 88078 80708 19270 31369 89014  
19446 10940 97812 41722 49687 99202 87827 95346 10870 000 000

**6859/7459/7959 kHz, 19-11/20-11/26-11/27-11, 2200/2220/2240 UTC**

849 849 849 1 585 120 585 120  
94520 43168 97966 65487 72131 65290 91602 74061 36081 61834  
76499 31347 00736 69307 10239 51484 85271 90293 28228 07644  
20812 00521 92423 03840 46112 83397 28341 07785 82413 56971  
15145 21724 31470 99202 85171 27457 43026 76435 23086 16674  
50610 44107 22334 56969 97589 55914 38649 16642 31760 59136  
19241 86577 01953 66204 35000 84153 62403 38173 18847 23567  
63774 08546 11039 67781 04541 13659 75195 80273 59614 49532  
70899 21409 85207 45634 33702 70742 10726 04349 14218 95388  
86269 99117 98221 13226 03395 57454 08504 45424 93889 09218  
14386 63588 45654 07216 51131 22884 44677 84968 01440 22362  
35704 46097 92492 29113 12574 18582 04319 30462 64759 01122  
02057 78871 38056 06887 01068 56448 51672 26171 30247 11626  
000 000

**11435/10598/9327 kHz, 20-11, 1800/1820/1840 UTC**

938 938 938 1 6104 73 6104 73  
26086 28970 10150 89281 46310 52445 27014 38412 28725 88154  
78619 62871 93427 49017 95059 68162 60997 30827 10602 93441  
88985 18012 71155 84544 30746 89020 23654 70136 59799 99054  
58007 71517 28710 34517 72189 33746 88485 33687 55953 62586  
53976 26103 33158 33866 07731 23642 18881 48723 72544 23460  
23915 76654 80672 44234 46639 82299 89949 89624 82174 75829  
71025 66627 54665 91283 58095 14882 24002 79693 12448 36524  
53983 90073 17795 000 000

**14377/13461/12114 kHz, 22-11, 1130/1150/1210 UTC**

317 317 317 1 1183 96 1183 96  
04158 23567 08299 56189 25787 68716 72247 04919 47514 11033  
98934 57382 35399 85718 06094 59545 47376 93902 30195 83526  
53842 37988 52927 52530 46795 94146 24270 18852 24016 01819  
67221 96983 96526 19126 73007 05624 85940 41060 49913 58845  
19652 36141 49635 37022 98521 73872 16173 89427 70656 42669  
87615 34434 98419 77806 42844 91056 47173 39029 35077 95458  
64595 59175 10870 26675 77613 82175 37469 02128 48267 96374  
39691 97466 38411 49179 04491 94934 18321 40450 38554 63043  
95684 85781 47025 54107 44566 29944 53585 62582 92646 57209  
22078 49922 96235 02078 38378 18000 000 000

**6874/8074/9374 kHz, 23-11/26-11, 0030/0050/0110 UTC**

803 803 803 1 9591 77 9591 77  
08102 96022 20624 56406 28228 86223 09343 04783 58193 84399  
54369 88373 85171 94373 89982 82212 53791 97300 46697 96054  
09676 95043 57903 69710 50959 57510 43891 09687 24742 18293  
19627 09574 82349 96280 98442 38605 27581 36265 71303 28654  
47887 40691 84944 53219 87654 97324 49372 75834 95757 33630  
85355 29550 42423 86799 88228 05964 59614 10116 12530 13106  
89852 26804 74623 35291 59449 73931 53313 61913 31411 60367  
87353 67035 12871 02305 07058 98388 46232 000 000

**9317/10484/11552 kHz, 23-11, 0530/0550/0610 UTC**

135 135 135 1 9549 109 9549 109  
31586 72558 96829 22407 77043 62541 79298 74400 44210 40590  
40038 61040 56031 94941 88493 34848 56647 59801 53905 73891  
01072 66195 13654 80666 05825 48446 95878 46820 97850 27356  
77230 43717 82736 64370 21466 27323 74879 23513 18742 70483  
83653 62568 79480 43943 29149 43049 22494 38342 97835 13838  
30050 81159 22175 55537 50513 50887 05655 11885 16750 75170  
57462 25815 83278 65514 36785 93916 99082 31032 53727 83973  
10936 90603 96745 83455 54189 09407 54274 90712 24003 95268  
49328 78036 05537 53096 86232 04150 46712 60087 00352 69738  
55300 86097 36531 48401 43116 83705 16865 93714 90014 34938  
85614 13132 48946 68882 10252 33072 33426 60623 51389 000 000

**17432/18532/19132 kHz, 24-11/28-11, 0800/0820/0840 UTC**

451 451 451 1 6134 94 6134 94  
51352 37922 39203 31447 93985 95847 34697 47057 01357 69711  
70408 28846 74595 98199 83518 85666 38588 37892 13505 11601  
31330 13131 76790 11205 14640 72096 82070 31025 22782 27305  
38172 52725 42960 83989 37386 57837 54994 55891 20947 89072  
27095 65963 01356 11953 49838 05012 59058 07707 10646 02627  
73176 94431 10746 36306 60555 39451 01238 18982 21183 51491  
78352 22353 12683 66957 04440 40354 85700 74810 52324 28847  
64199 39476 74972 70647 54899 81794 29158 40742 39080 44355  
82342 82256 57767 43316 03509 00395 54655 10475 25951 84600  
08565 47161 30933 32118 000 000

**12162/11566/10711 kHz, 24-11, 1710/1730/1750 UTC**

546 546 546 1 6482 106 6482 106  
26007 59547 26643 01216 31957 64448 15554 17291 12473 65513  
38639 17421 05166 70002 38294 06221 08214 28253 42080 61816  
54580 56799 44200 22023 88578 07388 98165 63308 61268 90988  
41678 79709 72810 53654 88936 65889 08503 72378 66301 43162  
63430 51201 11909 97872 39867 24822 24152 64197 69267 57211  
65449 75767 13089 79382 55895 46291 51605 70665 16526 38460  
63496 16484 13842 96031 72630 90632 61585 16634 05823 87006  
68153 36187 00167 97990 39680 14492 10565 80952 55864 93144  
07103 71241 81265 95509 97464 71040 82041 49537 67543 32104  
48045 23455 61833 61841 09232 12031 59006 91599 14971 59107  
14783 56713 02140 61873 45850 59416 000 000

**13386/12189/11491 kHz, 25-11, 1110/1130/1150 UTC**

725 725 725 1 2627 98 2627 98  
21467 08614 75184 39293 62999 01459 62603 02950 22921 01999  
72667 01576 83027 59043 09681 33778 92552 45933 97281 81745  
11458 85853 63787 68402 09614 37872 26317 78073 97406 60305  
06715 25215 07020 09510 77763 24657 34811 59165 25813 16196  
64107 39082 78732 50915 18968 19621 63691 83638 68337 38597  
17934 85526 43866 41823 23539 34684 33659 83242 38474 39763  
10264 82641 38672 06367 18399 48795 37942 30001 66829 41643  
66092 26360 94798 69149 95350 40104 31358 66029 67391 29832  
59244 13587 15327 80202 09953 21337 51789 39807 20157 13123  
17811 60612 99211 08533 82129 08472 80105 83573 000 000

**12162/11566/10711 kHz, 25-11, 1700/1720/1740 UTC**

546 546 546 1 5262 105 5262 105  
36006 31497 15167 34864 60231 04028 64841 86798 81412 72947  
58709 24795 91210 76749 66875 55103 74642 86849 49838 79215  
15450 99944 62658 45792 08255 77598 52052 10142 87302 12253  
11394 33993 14058 42136 44364 34133 44056 48018 71100 36718  
81989 78740 92569 74594 51048 33250 76954 35259 61509 55413  
91872 70496 45243 22015 21998 35952 78121 57227 20295 09176  
35351 71989 11968 64937 59733 19947 43289 24513 48336 01618  
69891 37019 81414 78175 18893 76472 02851 55265 54315 23288  
29967 70964 73389 53898 26420 65731 34580 03283 55617 21420  
85206 55750 23651 37488 21063 60248 50432 81515 56671 29004  
46638 74670 52275 18323 22323 000 000

**12162/11566/10711 kHz, 25-11, 1800/1820/1840 UTC**

546 546 546 1 1131 105 1131 105  
62672 65371 77847 15242 25880 73358 25817 39805 40234 21401  
79323 14874 32889 18663 27188 12437 58230 22675 91061 12333  
34869 07542 99498 59486 82904 17466 98194 00540 57256 96076  
17574 15727 33872 18557 54071 10344 56704 12343 52366 28424  
11591 77763 02272 76831 84022 20319 36093 40796 34712 20549  
60016 61368 74679 41248 68967 37890 25812 35936 37009 98028  
07163 70432 92466 15546 82885 98878 57509 43285 21517 02347  
43550 89313 82646 27371 72684 76704 65394 21001 50146 94045  
38539 16713 11266 38704 07366 71214 25351 79092 64869 38473  
06094 65972 04570 58649 48878 68662 86483 55315 29362 28164  
52088 28218 78354 39735 05486 000 000

**14377/13462/12114 kHz, 25-11, 2000/2020/2040 UTC**

317 317 317 1 8666 101 8666 101  
41687 65104 03185 03718 74391 31742 42425 12897 91173 06354  
93067 97663 47789 89923 75748 52661 68293 01855 45152 14384  
07117 46671 71057 65848 60469 13126 18820 96019 45038 25585  
66897 93426 05300 83757 95654 10076 58260 40840 52758 81930  
98005 00356 93750 23705 84242 77075 90677 77119 46380 24156  
54981 45587 20697 86982 42600 11439 26400 41852 11236 40312  
55321 38870 21184 65592 68351 29336 17313 73187 63059 09380  
84485 71718 35519 48057 33616 38760 25437 63456 55093 07964  
29806 48222 93006 80133 13481 73685 58118 37373 71236 24035  
05533 84998 11376 02912 16405 01019 22235 02770 87481 67576  
95813 000 000

**11435/10598/9327 kHz, 27-11, 1800/1820/1840 UTC**

938 938 938 1 2649 78 2649 78  
18161 59403 38694 81810 06053 73211 36703 47540 74523 72022  
27927 68523 26280 70559 15412 50825 42988 57427 61207 01625  
66431 62792 59279 97404 96272 92442 43668 77661 39502 68517  
37675 04602 38377 13581 10780 00255 17369 66818 30547 56820  
32605 29865 91140 64770 45407 04205 42952 80306 78158 29141  
08025 87624 87711 72521 61613 63915 03895 52604 13058 91031  
94825 82889 47474 48856 55580 21033 52605 64647 33819 38213  
12476 39013 61454 21417 91383 17387 39802 28941 000 000

**14377/13461/12114 kHz, 29-11, 1130/1150/1210 UTC**

317 317 317 1 8130 91 8130 91  
03730 13679 03826 99051 09778 30364 93240 62820 75212 52812  
18461 05057 00020 61410 60744 47642 02133 08530 02350 64915  
48605 01026 39526 78699 75110 46247 97498 26072 98366 06192  
88028 97401 48546 55633 18979 81459 84329 17209 51068 02891  
59850 08229 72912 95354 82647 97399 63434 86718 34912 32838  
49242 23371 25333 37564 28261 42524 69904 70911 43906 71678  
57196 66538 98134 25395 37359 88203 26749 97037 04632 62653  
28714 73607 74595 31634 54915 81022 61661 48591 60059 58679  
45218 78665 62371 58980 46727 44319 94337 09573 62835 46344  
79874 000 000

**16292/14892/14392 kHz, 29-11, 1400/1420/1440 UTC**

283 283 283 1 1121 93 1121 93  
63017 95467 58744 39629 89843 08938 83226 22757 60585 54651  
57607 28923 47739 83186 24495 34868 87853 53198 20246 92641  
35505 31609 19549 68889 80447 95112 21758 38016 17133 25928  
90337 57963 82598 16200 09472 40311 89283 18579 09715 62456  
75230 46936 62685 34653 14458 73708 87618 22786 49837 81090  
35803 24203 17005 96363 80070 04311 95113 86444 94999 24965  
56636 43312 26601 00803 75123 18260 54022 97438 83677 76597  
42450 88408 21270 71167 05195 74250 88788 96257 88453 08461  
16137 91181 33672 60817 90790 49240 44709 75075 65927 28492  
83365 32899 53549 000 000

**10446/9046/7946 kHz, 29-11, 2300/2320/2340 UTC**

392 392 392 1 739 96 739 96  
07751 72736 27810 40314 53326 83524 45164 59600 39094 72955  
14980 40117 33690 73672 99535 68099 43709 84445 22322 72660  
08495 07006 79690 65666 30009 46314 66554 38550 43265 33263  
90942 10233 38656 40678 92799 43013 85829 92090 96003 31180  
42505 20742 84973 41500 53405 41824 58212 72909 51298 07333  
47270 52889 20130 14512 03707 84892 02295 72998 15075 95061  
76268 62307 82367 89948 66207 29712 23934 21009 48105 71356  
11645 85395 89519 15513 58300 68035 17679 25359 97706 22766  
36891 86301 64484 70750 04843 17995 24977 13666 23369 22649  
03412 85070 10775 71571 45547 45824 000 000

**9317/10484/11552 kHz, 30-11, 0530/0550/0610 UTC**

135 135 135 1 5032 106 5032 106  
32228 76431 06527 09291 46239 97980 63421 31181 89457 87142  
46948 79828 06535 61204 87383 41651 16465 94034 32900 13101  
75003 73014 52306 42976 10860 68271 09644 65428 54999 09836  
94449 66497 80293 56869 97690 70860 79911 55257 00559 41963  
40147 28432 57889 91187 94399 92096 51236 68449 70921 32650  
20184 07258 08467 44423 07790 84076 75494 49485 85969 85257  
87329 53275 56591 43522 49675 57092 32507 91208 17730 19054  
40022 81673 82252 30511 21430 62263 56557 22378 84560 95117  
04941 35625 58938 16689 17722 86820 10092 17134 65022 04189  
38325 37613 67414 58016 44332 56492 35937 26839 30997 90987  
14915 85099 62690 17131 89622 34362 000 000

**12211/10243 kHz, 01-11, 0500/0520 UTC**

952 606 606 51 51 = =  
58008 74008 65090 40878 71539 57607 47464 97994 00055 98331  
59331 85945 19898 83061 35842 59271 72700 39555 88808 17139  
29850 77554 05986 68514 62136 55775 79753 44321 44266 23208  
07382 67498 48919 08173 30058 16913 10052 53569 02879 46053  
60120 21752 12985 42446 70918 17474 88021 38738 52722 02334  
62131  
= = 606 606 51 51 00000

**12211 kHz, 02-11, 0500 UTC****10243 kHz, 02-11, 0520 UTC. Off after group 12**

952 713 713 52 52 = =  
90318 06011 93266 77045 76131 11036 00424 34227 25169 52642  
94351 52399 53916 61862 48259 62819 19696 05567 72737 74661  
24523 49465 49540 37693 96176 12233 20935 82760 64433 65424  
08059 07315 47400 58888 56708 98126 43882 76348 34015 08412  
82719 50854 24437 31527 61041 94777 98499 38438 00358 24050  
52735 71151  
= = 713 713 52 52 00000

**12211/10243 kHz, 03-11, 0500/0520 UTC**

952 484 484 51 51 = =  
43365 04391 12923 49284 08027 53532 00588 61372 57116 41346  
47112 09285 53262 55663 90054 47874 11046 46028 85317 72548  
31973 17347 69130 97931 51547 33789 71303 92864 57945 31380  
71929 32695 07306 62716 18741 54790 44993 22259 47291 28206  
47706 25618 71162 73457 56084 41291 34371 93332 72471 98267  
43178  
= = 484 484 51 51 00000

**12211/10243 kHz, 04-11 and 05-11, 0500/0520 UTC**

No transmission. Russian public holiday

**12211/10243 kHz, 08-11, 0502/0520 UTC**

952 107 107 53 53 = =  
00772 34213 45235 98182 70775 91392 99670 76605 11993 32343  
25517 45189 21108 56082 70866 84411 75587 00311 51054 80105  
25376 93626 78488 16350 76089 65265 80070 06343 62156 04535  
63159 65959 33337 87155 16006 59665 03053 10681 53593 73488  
31974 06181 44829 94719 45305 18394 82024 03046 07185 71510  
78588 02799 00666  
= = 107 107 53 53 00000

**12211/10243 kHz, 09-11, 0503/0520 UTC**

952 843 843 52 52 = =  
44001 26974 40281 70325 19663 94763 01532 62615 83847 92168  
84929 31288 34768 30154 19787 70349 54627 55641 95268 73449  
25818 26278 03013 90742 33949 19298 50160 37789 31116 41645  
78732 36202 57873 33559 52298 90711 47322 82798 95857 32351  
59780 91700 99890 82437 21443 64265 24500 17046 65491 05435  
64590  
= = 843 843 52 52 (no nulls)

**12211 kHz, 10-11, 0500 UTC**

Transmitter problems. Off at 0509 and back at 0510z.

Strong interference from a broadcasting station

**10243 kHz, 10-11, 0520 UTC. No transmission**

952 (incomplete preamble)

16012 22644 28360 05251 71326 35110 7\_726 36835 77904 088\_\_  
33424 \_9529 81855 55132 65650 81837 04387 48424 66090 72096  
66256 62901 25355 08906 83688 70772 37320 76978 91341 75876  
48886 24322 72015 80953 92484 81723 97779 12057 01876 10445  
12225 48529 55772 89081 08499 31975 16479 75520 82850 52687  
55743

= = 616 616 51 51 (no nulls)

**12211/10243 kHz, 11-11, 0503/0520 UTC**

952 37 837 51 51 = =

21702 75757 50506 52579 59506 76473 95656 01715 99730 38515  
51379 12493 37403 60532 03480 51718 70390 26080 15800 43936  
23152 41109 11430 46278 64717 42654 09889 03096 25611 02145  
37447 66315 43367 71788 52774 24552 91364 47456 55119 52227  
70638 46506 67181 13711 69371 23986 09891 84947 19749 75662  
11264

= = 837 837 51 51 00000

**12211 kHz, 12-11, 0500 UTC**

952 (R). Several stops and restarts during the callup. Off at 0507z. Silence, then test tones. Nothing else

**10243 kHz, 12-11, 0520 UTC. Sent only 52 groups**

952 464 464 53 53 = =

86457 14660 25992 61735 98193 05836 79017 85925 81167 64313  
56943 40645 67228 91998 57555 31107 38865 58433 89088 76094  
53048 38779 53884 95009 20254 27676 11451 91910 68348 77421  
63097 47437 46025 33904 25342 54604 45481 68719 84273 59368  
49013 30931 48067 91920 29234 66879 39814 99641 57588 81511  
97891 17649

= = 464 464 53 53 (no nulls)

**12211 kHz, 15-11, 0502 UTC**

Technical problems: sound level up and down, hiccups and restarts, off at 0509z in mid message

**10243 kHz, 15-11, 0520 UTC**

952 817 817 53 53 = =

35195 75840 74088 11749 13717 24729 74823 71383 64240 01874  
97150 35876 00115 93920 48800 91318 63990 50038 30167 87514  
19023 31682 51932 69834 26896 96456 23092 63115 86090 83242  
45335 87309 28861 90771 74712 09549 00322 66862 36517 62332  
68112 50475 04333 82505 36066 33791 79181 50732 60312 36499  
29698 36144 91265

= = 817 817 53 53 00000

**10243 kHz, 16-11, 0519 UTC**

Started with the end of the message. Restart at 0521z

952 640 640 52 52 = =

18521 49257 63870 67988 00792 35681 38421 88350 17915 84071  
25414 04281 81192 12642 99385 80814 52598 90214 74246 11499  
94864 80427 93068 11088 53704 46589 21098 24346 20599 59362  
52929 05662 49587 74465 69771 49139 26500 72586 07752 73871  
14068 78685 23195 94078 21353 02888 65812 28792 70924 70131  
95731 30778

= = 640 640 52 52 00000

**12211/10243 kHz, 17-11, 0500/0520 UTC**

No transmissions

**12211/10243 kHz, 18-11, 0503/0520 UTC**

952 704 51 740 51 51 = =  
24194 45975 96692 65627 43407 04691 32349 98326 99206 46273  
58536 47511 70652 02512 91708 57935 68896 41054 04548 40233  
58317 14833 91864 94228 41822 32300 40524 52266 46237 28147  
01798 34743 68739 39206 89601 35039 70253 15206 53048 76034  
26773 19087 96750 05387 74511 96548 47325 21773 09854 19523  
89512  
= = 740 704 51 51 00000

**12211/10243 kHz, 19-11, 0500/0520 UTC. Sent only 52 groups**

952 361 361 53 53 = =  
18521 49257 63870 67988 00792 35681 38421 88350 17915 84071  
25414 04281 81192 12642 99385 80814 52598 90214 74246 11499  
94864 80427 93068 11088 53704 46589 21098 24346 20599 59362  
52929 05662 49587 74465 69771 49139 26500 72586 07752 73871  
14068 78685 23195 94078 21353 02888 65812 28792 70924 70131  
95731 30778  
= = 361 361 53 53 (no nulls)

**12211/10243 kHz, 22-11, 0500/0520 UTC**

952 478 478 52 52 = =  
10129 75674 27917 23341 54744 24320 65684 18388 28507 23164  
97078 96270 97781 45317 69063 73917 32741 44252 37072 43801  
47275 22115 50276 19042 18300 94993 21724 02841 26639 66116  
38025 55661 86688 42875 88272 58598 57023 58654 16899 96379  
49160 85369 30136 08442 76647 47669 10779 81490 11675 74739  
20940 82024  
= = 478 478 52 52 00000

**12211/10243 kHz, 23-11, 0500/0520 UTC**

952 631 631 52 52 = =  
60470 37036 26204 38249 26964 25435 79393 17870 82025 28385  
46705 89023 69651 20236 46744 53983 22474 45477 83574 16151  
47915 68243 87998 55201 47637 88322 91355 64815 49981 22109  
24025 13954 60086 71928 55826 17608 57366 32193 20498 27949  
95041 05791 91453 81836 81405 29186 00984 65603 47519 29634  
20112 83072  
= = 631 631 52 52 00000

**12211/10243 kHz, 24-11, 0500/0520 UTC**

952 848 848 51 51 = =  
17822 09301 22868 37335 96544 20634 74688 04915 40393 87512  
36621 99047 67307 72757 63371 71270 99978 89894 97938 88408  
06687 26100 80079 43652 00440 56643 12293 55239 76102 49278  
75514 13658 90197 82012 11701 63334 13076 22684 15498 29727  
08132 43808 02184 27764 17760 71097 44056 12573 60734 89129  
92478  
= = 848 848 51 51 00000

**12211/10243 kHz, 25-11, 0500/0520 UTC**

952 701 701 50 50 = =  
74327 68046 96529 93498 87568 31491 01092 14701 14111 09715  
64126 61244 12574 25186 29438 88405 55605 97469 81456 26419  
59782 11474 29867 24366 48813 52219 07156 56666 29726 04529  
60866 53096 86735 41119 87743 38290 22475 47486 51975 91640  
01272 57062 54681 63556 74168 95057 46879 09001 90366 54425  
= = 701 701 50 50 00000



**12211/10243 kHz, 26-11, 0500/0520 UTC**

952 363 363 51 51 = =  
 61875 94610 09987 52518 54208 36653 88005 11233 38818 54611  
 51084 86713 84939 70130 59769 18305 47286 21688 06033 38779  
 29345 99838 83251 93032 20603 52094 04346 97496 37386 05864  
 10246 51226 22000 82902 35873 34564 79856 03698 25832 56360  
 59276 05241 17004 35650 03656 20606 30205 28750 30687 93790  
 38135  
 = = 363 363 51 51 00000

**12211/10243 kHz, 29-11, 0500/0520 UTC**

952 474 474 51 51 = =  
 28810 73067 82177 67926 28176 64417 32903 98387 99306 87531  
 52489 49888 92154 65885 01838 19599 30824 86283 21397 16857  
 72524 62380 92502 88647 28729 09237 53900 20971 65732 14842  
 03137 64512 26786 19555 37489 58079 43009 39388 14143 48220  
 25247 94077 34292 28479 54083 25875 80852 46712 10183 20002  
 64477  
 = = 474 474 51 51 00000

**12211/10243 kHz, 30-11, 0500/0520 UTC**

952 161 161 58 58 = =  
 81528 45049 85480 83633 88674 81781 94355 55142 87247 06665  
 13144 92330 46394 52759 19526 20489 51909 21739 58080 18550  
 53704 13454 56837 45575 16652 75504 43916 67728 64404 65032  
 25208 90418 08744 39895 09029 25314 03482 21435 88679 46902  
 45974 96005 18856 18289 74871 47463 46845 90925 97498 37802  
 84443 07946 25300 78116 31532 65803 00780 57087  
 = = 161 161 58 58 00000

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

5980.5 kHz, 13-11, 0856 UTC	=991156??8????? =991157??8????? =991158??8?????
4171 kHz, 14-11, 0638 UTC	=990939??8????? =990940??8????? =990941??8?????
5980.5 kHz, 14-11, 0638 UTC	=990939??8????? =990940??8????? =990941??8?????
3185 kHz, 14-11, 0745 UTC	=991045??8????? =991046??8????? =991047??8?????
5980.5 kHz, 14-11, 0745 UTC	=991045??8????? =991046??8????? =991047??8?????

**M23**

5345 kHz, 27-11, 1600 UTC	050 (R10)
5345 kHz, 27-11, 1800 UTC	943 (R12)
5345 kHz, 28-11, 1200 UTC	050 (R10)
5345 kHz, 28-11, 1400 UTC	943 (R12)
5345 kHz, 28-11, 1607 UTC	050 (R10)
5345 kHz, 28-11, 1800 UTC	943 (R12)

**M41 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)**

**4806.5 kHz, 14-11, 0836 UTC**  
 9659 1920 235 36 =  
 9659 1920 243 38 =  
 9659 192024 381555 11100 40 =  
 9659 1920 243 42 =  
 9659 1942 223 44 =

## M51a / M51b

**M51a: 3881//6825 kHz, 07-11, 0800 UTC**

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

DIMANCHE 2/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =  
FSIIF VNFJD BCTWL CBXND QIWUD CNCZZ MNHLP YVBFS QEAXC 32569  
VCSGW ,.VA' / QRXVC VMFKE PTOIY MJFSD AQEZC VNFMG LGKHI POUIY  
87965 NCJKW .?AS', NMGKT LHPTO YHJJD RFNAR CBDVJ ZXSDW QAWOY  
OPIYU 45698 BCSHW .?,' LGOTM VCGFB ZCSFW BGHUT LHKYP ERTWY  
QIUOF MVNFH 02368 BCSMW ?.ASVA, MBNCX VFGER POQAS XCFDE JGHNF  
LKWUE VBCND MLFKG 54796 BSHWL ='/.? ASQEX VMDSO EWGDD LBKGI  
'.,?. NCDJE 25893 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX ASDWG  
VBNFK 26318 BSHWK 36980 KHJCM LGDHJ CBETJ AQWOT +

DIMANCHE 2/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =  
AUJOURD'HUI, CES VALEURS, CETTE TRADITION, CETTE COHÉSION EXEMPLAIRE MAIS AUSSI CETTE INTÉGRATION RÉUSSIE FONT  
PARTIE DE LA RICHESSE NATIONALE. NOTRE JEUNESSE EST UN ATOUT POUR NOTRE PAYS ET POUR L'EUROPE ET JE SAIS COMBIEN  
NOS ARMÉES SAVENT DÉVELOPPER LEURS ÉNERGIES ET LEURS TALENTS. LA FRANCE AURA PLUS QUE JAMAIS BESOIN DEMAIN, DANS  
UN MONDE INSTABLE, D'ARMÉES DE TRÈS HAUT NIVEAU. J'ASSUMERAI PLEINEMENT LES RESPONSABILITÉS QUI SONT LES MIENNES  
POUR DÉFINIR, SOUS LA DIRECTION DU PRÉSIDENT DE LA RÉPUBLIQUE ET DU PREMIER MINISTRE, L'AVENIR DE NOTRE SYSTÈME DE  
DÉFENSE ET LES REFORMES QUI SONT NÉCESSAIRES À NOTRE PAYS ET À NOS ARMÉES AINSI QU'A LA VALORISATION DE NOS  
INDUSTRIES. +

CQ DE FAV22 VA

**M51a: 3881//6825 kHz, 07-11, 0920 UTC**

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

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

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

CQ DE FAV22 VA

**M51b: 3881//6825 kHz, 08-11, 1527 UTC**

**Non-stop 5-character groups composed of M51a messages.  
The spaces between the messages have been added afterwards**

POMPO WFUGJ VNDKE AQPOD NVHDK WTDDB ZMCNB DJEIL POLIU 36521  
XLPKO AS.,?/ ZCXSA CDGET NVIUQ ASWOP FJEIR LFKJW POEIQ SKEIW  
20309 XMAKQ ., '=' CBDHS AZNSJ NCAPY AQNRY SWIDF ZOEPL CNDKE  
RWODK 85236 XANQU ?.' ,? DJQEI AJDKO MCNDH SXZCW HCUWP LDOWP  
AZNQM EIDKQ 17890 AQPDL AS,VA,' AQPOM CNDKW XMAKW DLWPO XMZNS  
KDSL P WIDAM JAMER 18973 CMKUI ,.+?. LAOSW JDIWH XZNSJ BMNEO  
RITOF WEISJ SLWOD CBZMA 32698 MLOY P ?/.,AS XZMSN JDGHE DHWIL  
APQOW CBAJW MLKSI ZNXWB DKOLP 78512 FGHEI 'AS/VA? AQPWO CNDJW  
ANDER MORNI PLOFE XNSIW AQOKS XBNWI 98652 BXAIQ ,?.' = MAGDA  
LORGH BIDUL WERTY ALPES XCBWU AQKDI NCHSI ,.?'/ CMFAQ 36980  
AQPOL CMVNE VJCME ZWERP LFKHM VBCNW AQISG CBDNI 30258 JFYRT

'VA.AS, VNMRO FKSUW FDIPIE VXSFW NBMRK LHPYO CZAXQ VDTAF QFATH  
47596 CZAXQ ?.,' BXSJW JFCDI LHPOT

GDHET SHQUZ SHQJA KSLQO EYIDH XNDHE SUJZO ALQNP LOKJH NCHFG  
IKFHE CBDGS XNWJS QKAIU EYDGS ZUJSI AKNBC XHDE 46328 JQKAI  
NWBXG DVXHE ZUJSI 35276 BXNDG SJQUZ AKJIO DLSME DHRTF KJFOL  
XNCLD ELSOE RLDHC VNDHR XKSLQ AMZIA DJZOD XNCVD SHQJD 87564  
LAUJF CVXBS WNQT DGSUJ WKQLM PAKNP DNKHD WNQJZ AJNBC MAJFG  
XYZUJ 37828 DJNXJ QKAIU CNXJD WJNDG SHZKL QMPAL

HBCGD QJAKL QMAPL NWJDG ETSDA BWHQK AIKSG DFXXV DPLAM WNGHC  
XBDUE IKDHS XVWHQ AOLZP MQKJU NCHDF XVWHE SYHVG DHSUA ZNWJS  
83725 JSHET 37627 QJNXV CHZRS WKQIJ ALMPQ HNCVX HDUJR MLQOA  
NXJWC SHQYT RIZGF VXBSU AJSKQ WNHUA ZIKSL QMNJK XVCGR PLAOJ  
NBCHF XHSDW ZTAGF 34267 XVWHQ AUJSD XVCLK CBXGD OLAUJ NVXBD  
SFAJU HWCSJ QKLAP MNJKG VBXHD WCGFS WFRZ

**M51a: 3881//6825 kHz, 14-11, 0800 UTC**

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

DIMANCHE 3/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =  
MJHEU ZOIWG HLODG PQUTB KDFRB ASMNT LXCVC HUDVO SKTNI 58726  
BCSWK AS'?. , POFKH SVRYX MZLFW GOUVJ AQDEG CNTHP KLJSG PNYFJ  
33948 BXAQJ .,+/VA PLMME GBYXG JHSRR LMAUR BYDIJ VWAQT ZOUIH  
MEGSQ 63591 VAQHS ?.AS,/ AIRFC NTGOK CWSUN SOKAT SMHES OPLFR  
BTANS PFIRG 36115 BCZMA /?.' , SICAV HYQWO VHESR OKSBY FKLJS  
SMEXR ZZYGT LIMER 22654 ZCZAQ , 'VA,AS IMSUY WASPS LUCKY SWAPS  
32598 VZAQG ,?., ' MONEP NYDCF LOIUD OPTIO RATES FORWD FUTUR  
KIFRC 36541 CZPLO /?VA=' BIDSS GREAT YHTFD VMNSI +

DIMANCHE 3/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =  
IL Y A DEUX SEMAINES J'AI PARTICIPÉ AU NATO AIR CHIEF'S " SYMPOSIUM " À RAMSTEIN EN ALLEMAGNE, ET À WASHINGTON AUX  
ETATS-UNIS. AU COURS DE CES QUATRE JOURS DE DÉPLACEMENT J'AI PU RENCONTRER MES HOMOLOGUES ET ME RENDRE COMPTE  
COMBIEN L'ARMÉE DE L'AIR FRANÇAISE POSSÉDAIT UNE SOLIDE RÉPUTATION DE CRÉDIBILITÉ ET D'EFFICACITÉ OPÉRATIONNELLE  
AUPRÈS DE NOS PRINCIPAUX PARTENAIRES. C'EST UN MOTIF DE SATISFACTION POUR NOUS TOUS QUI DOIT NOUS RENDRE  
PARTICULIÈREMENT FIERS DE L'UNIFORME QUE NOUS PORTONS AU QUOTIDIEN. +

CQ DE FAV22 VA

**M51a: 3881//6825 kHz, 14-11, 0920 UTC**

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

DIMANCHE 3/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =  
BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820  
BCSMK ?VA,./ FPORE POPEW SBAVW BAVES FLRPO NVBDY LEORP LOPEY  
./., ' BXAQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW  
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ  
MWOPE ADQRF 05894 XABQJ #?.AS VA FNDJE FLAME 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 +

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

CQ DE FAV22 VA

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

SAMEDI 5/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =  
VXSYW JSJPO APQOI VCBSh ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564  
BCDFW ?+., ' LPDOU XNCBM XZSAD VCBSG NOLEP VCBSQ RYTUI MDJSI  
, '.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ  
ALPCI 48932 LPOEI ,/.AS VA ZAQID BBCDJ ALKSO XBCHS SJWIX BCNCJ  
CMSKW CZFST 12036 SAWQD .?=/? ZNXJS QPLOS DHDWU XBCNS AJSWI  
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR  
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?.,VA' NCPOE XBSHW SKWOP  
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH  
MNLFP+

SAMEDI 5/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =  
AINSI LE SECRÉTAIRE GÉNÉRAL DU CONSEIL SUPÉRIEUR DE LA FONCTION MILITAIRE (CSFM) ET CELUI DU HAUT COMITÉ  
D'ÉVALUATION DE LA CONDITION MILITAIRE SONT, DE DROIT, DES MEMBRES DU CONTRÔLE GÉNÉRAL DES ARMÉES.  
HABITUELLEMENT, ENTRE VINGT ET TRENTE MEMBRES AU MOINS DU CORPS OCCUPENT DE TELLES FONCTIONS. LA PRODUCTION  
DU CONTRÔLE COMPREND DES RAPPORTS, DES NOTES D'ÉTUDE, DES COMPTES-RENDUS DES COMMISSAIRES DU GOUVERNEMENT,  
DES AUDITS... LE CGA PRODUIT UNE CENTAINE DE NOTES D'ÉTUDES ET DE RAPPORTS PAR AN ET PARTICIPE À DE TRÈS NOMBREUSES  
RÉUNIONS AUXQUELLES IL APPORTE SON EXPERTISE.+

CQ DE FAV22 VA

## ***M89 - Chinese Military***

**7686 kHz, 10-11, 1945 UTC, i.p.**

AS  
R (Other station also on this frequency)  
7NT5 374D N7T3 ...  
AR QSL ? K  
R QSL 0350 K  
R HR WK NR 12. K  
R HR WK NR 520 K  
R NIL SK GB K  
R SK

**6613 kHz, 25-11, 1013 UTC, i.p.**

R .083 AR K  
R K VVV 4.D DE N5.. K  
VV FD DE N5.  
VV G8P. DE N5U4 K  
QSA ? K  
R CC 8 M 3 AR K  
VV . D DE N5S4 K  
HR F GA K  
F GA K K  
F NR 172../EX 1815 RMKS CQ =  
N6H3/..SU. 3/K4XB AR  
F NR 172/EX 1815 RMKS CQ =  
N6H3/K... AR  
QSL 1810 AR  
QSL 181. AR

**7513 kHz, 25-11, 02021 UTC, i.p.**

R QSA 3 K  
R 7G GA K  
R HR 7G GA K  
OK  
R HR 7G K  
R ICE BT 7896 CK R HR 7G GA K  
NR 0012 CK 0.12 .. 1125 000 RMKS 8993 TO 8997 =  
6AND .. A A.47 74N7 ...

## ***M95 - Chinese Military***

**4243//9054 kHz, 01-11, 1141 UTC, V26: USB. Callup in Chinese voice. Female operator**

**4243//9054 kHz, 01-11, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243//9054 kHz, 01-11, 1153 UTC, M95: CW**

VVV HR MSG TO YR PSE CY

NR 066 CK 33 35 1101 1518 =

5AA UTT TTA 3U6 3A4 5T7 5TD 5TN 75U 35A

N3D 353 4TA 446 33N N3U 445 3DU N3D 3DA

4D6 5AA 75U 35A N3D 353 4TA 34U N3D 4TN

445 3DA 4D6 AR MSG AGN

NR 066 CK 33 35 1101 1518 = (Repeats message)

AR A HR MSG GA

NR 02 CK 133 35 1101 1545 =

UTU TTA 3U6 3A4 TTU 773 35U N3D 354 34U ...

**4364//8073 kHz, 01-11, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages**

**4364//8073 kHz, 01-11, 1136 UTC, M95: CW**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0954 CK 159 35 1101 1528 =

TTA 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 ...

**4243//9054 kHz, 04-11, 1142 UTC, V26: USB. Callup in Chinese voice**

**4243//9054 kHz, 04-11, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243//9054 UTC, 04-11, 1153 UTC, M95: CW**

V HR 7G TO YR PSE CY

NR 07U CK 46 35 1104 1510 =

5AA UTT TT4 3U6 3A4 5T7 5TD 75U 35A U4T ...

AR 7G AGN

NR 07U CK 46 35 1104 1510 = (Repeats message)

AR A HR MSG GA

NR 08 CK 144 35 1104 1601 =

UTU TT4 3U6 3A4 TTU N44 TT3 773 35A N3D ...

**4364//8073 kHz, 04-11, 1132UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: Messages**

**4364//8073 kHz, 04-11, 1135 UTC, M95: CW**

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0960 CK 151 35 1104 1610 =

TT4 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 ...

**4243//9054 kHz, 10-11, 1140 UTC, V26: USB. Callup in Chinese voice. Female operator**

**4243//9054 kHz, 10-11, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243//9054 kHz, 10-11, 1146 UTC, M95: CW**

V HR 7G TO YR PSE CY

NR 004 CK 19 35 1111 0614 =

UT5 TAA 3U4 3A4 TTA TTU TT3 773 35U U4T

353 4A5 447 46D 4D6 3D4 AR 7G AGN

NR 004 CK 19 35 1111 0614 = (Repeats message)

AR A HR MSG GA

NR 085 CK 42 35 1111 0701 =

5AA UTT TAA 3U4 3A4 5T7 75U 357 37U 4A5 ...

AR MSG AGN

NR 085 CK 42 35 1111 0701 = (Repeats message)

AR A HR 7G GA

NR 21 CK 069 35 1111 0707 =

UTU TAU 3U4 3A4 TTU 773 35A U4T 353 4A5 ...

**4243//9054 kHz, 15-11, 2340 UTC, V26: USB. Callup in Chinese voice. Female operator**

**4243//9054 kHz, 15-11, 2342 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243//9054 kHz, 15-11, 2345 UTC, M95: CW**

V HR 7G TO YR PSE CY

NR 019 CK 19 35 1116 0600 =

UT5 TA6 3U4 3A4 TTA TTU TT3 773 35U U4T

353 4UT N3D 4AD 445 4D6 N3D 4D3 3DA AR 7G AGN

NR 019 CK 19 35 1116 0600 = (Repeats message)

AR A HR 7G GA

NR 095 CK 29 35 1116 0614 =

5AA UTT TA6 3U4 3A4 5T7 5TD N44 5TN 75U

35U 4T3 336 N3D 4TN 445 3DA 4D3 5AA 75U

35U 4T3 34U N3D 4TN 445 3DA 4D3 AR 7G AGN

NR 095 CK 29 35 1116 0614 = (Repeats message)

AR A HR 7G GA

NR 31 CK 062 35 1116 0654 =

UTU TA6 3U4 3A4 TTU 773 35U N3D 353 4TA 34A ...

**7553//9153 kHz, 1325 UTC, 16-11, XSV70 i.p.**

AGN NR 1022 CK 170 35 1116 1500

334 UT3 TA6 3U6 TT4 773 3AD 353 U46 35A 4AA ...

ZNN SK

**4243 kHz, 17-11, 1144 UTC, i.p.**

V HR 7G TO YR PSE CY

NR 024 CK 20 35 1117 1516 =

UT5 TA7 3U6 3A4 TTA TTU TT3 773 353 N3D

35U 36U 4AA 446 33U 445 4D4 3DU N3D 3DA AR 7G AGN

NR 024 CK 20 35 1117 1516 = (Repeats message)

AR A HR 7G GA

NR 098 CK 38 35 1117 1544 =

5AA UTT TA7 3U6 3A4 5T7 5TD 75U 35A U4T

353 4AA 446 346 N3U 445 3DU N3D 3DA 4D3

5TN 75U 353 N3D 35A 4AA 446 3DU 4D3 5AA

75U 353 N3D 35A 4AA 446 3DU 4D3 AR 7G AGN

NR 098 CK 38 35 1117 1544 = (Repeats message)

AR A HR 7G GA

NR 34 CK 149 35 1117 1550 =

UTU TA7 3U6 3A4 TTU 773 353 U4T 35A 4AA ...

**4364//8073 kHz, 17-11, 0006 UTC, XSV85 i.p.**

HR MSGS GA PSE CY

NR 1010 CK 97 35 1117 0555 =

TA7 3U4 3A4 TAU 773 TUA 773 ...

**4364//8073 kHz, 17-11, 1136 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages**

**4364//8073 kHz, 17-11, 1139 UTC, M95: CW**

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1012 CK 250 35 1117 1606 =

TA7 3U6 3AN 3U7 TAU 773 356 4T3 NN3 446 ...

**4050 kHz, 24-11. 1210 UTC, i.p.**

05 05 (Long zero)

4754 44474 655

SOSOSOSOSOSOSO CQ CQ OBSTOUK CQ CQ C Q STOUK

= = 4T7T4 TUATU.6OAT3 AATTU AN6.. 2W TU ATUK

R (Both stations on this frequency)

= = 4T7U7 TU4T3 7.AAD TA7UT4..

= = 4TDA5 TUDTA 6DOTN7 T3UUA6 II

= = 4T6N5 TA6TA5DT5TTN5AATAT ADDN3U63II

5W 5W2 AA TATK R

= = 4TT3 UTUA TU6U OAT4 AATT AANT II ...

**4243 kHz, 24-11, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages**

**4243 kHz, 24-11, 1153 UTC, M95: CW**

HR 7G TO YR PSE CY

NR 013 CK 57 35 1124 1553 =

5AA UTT TU4 3U6 3A4 5T7 5TD 75U 35A U4T

353 4A5 34T N3D 4T3 446 344 N3U ...

AR A HR MSG GA

NR 052 CK 34 35 1124 1626 =

UT5 TU4 3U6 3A4 TTA TTU TT3 773 35U U4T

353 TTA 773 4UT 445 TTU TT3 773 4AN 446

336 N3D 4UT 445 4D6 TTA 773 3DA TTU TT3

773 3DU N3D 3DA AR A HR MSG GA

NR 48 CK 142 35 1124 1642 =

UTU TU4 3U6 3A4 TTU 773 35A U4T 353 4A5 ...

**4283//7553 kHz, 25-11, 0937 UTC, i.p.**

1125 0714

334 UT3 TU5 3U4 3A4 TT4 773 35A U46 353 ...

II 3D3 MSG AGN

NR 1047 CK 101 35 1125 0714

334 UT3 TU5 3U4 3A4 TT4 773 35A U46 353 ...

II 3D3 ZNN SK

**8801 kHz, 25-11, 0151 UTC, i.p.**

R 001/CCK CK 49 18 1125 0935 RMKS 9KQ94 VAOA CY?

NR001/CCK CK 49 18 1125 0935 RMKS 9KQ9V AKA

C GA (Other station also on this frequency)

= 3U56 A57U T65N 6N34 6N34 U7UA 576N ...

## UM04 - PROMRÖ

**4735 kHz, 14-11, 0804 UTC**

VVVVV PROMRÖ = 14 11 =

1000 0680 0730 0900 1330

1200 0750 0800 0960 1420

1400 0720 0770 0930 1370

1600 0710 0760 0920 1370

1800 0460 0490 0580 0840

2000 0390 0410 0490 0700

2200 0330 0350 0400 0560

2400 0340 0350 0400 0550

0200 0350 0360 0410 0560

0400 0360 0370 0430 0590

0600 0300 0320 0380 0550

0800 0590 0640 0790 1190

= ABV =

VVVVV PROMRÖ = 14 11 =

1000 0680 0730 0900 1330

1200 0750 0800 0960 1420

1400 0720 0770 0930 1370

1600 0710 0760 0920 1370

1800 0460 0490 0580 0840

2000 0390 0410 0490 0700

2200 0330 0350 0400 0560

2400 0340 0350 0400 0550

0200 0350 0360 0410 0560

0400 0360 0370 0430 0590

0600 0300 0320 0380 0550

0800 0590 0640 0790 1190

= AR

**4735 kHz, 16-11, 0800 UTC**

VVVVV PROMRÖ = 1611 =

1000 0700 0750 0910 1350

1200 0760 0810 0980 1440

1400 0740 0780 0940 1380

1600 0720 0770 0940 1390

1800 0460 0490 0940 0830

2000 0390 0480 0570 0690

2200 0340 0350 0480 0560

0000 0340 0350 0400 0550

0200 0350 0360 0410 0560

0400 0360 0380 0430 0590

0600 0300 0320 0380 0550

0800 0590 0640 0790 1190

= ABV

VVVVV PROMRÖ = 1611 =

1000 0700 0750 0910 1350

1200 0760 0810 0980 1440

1400 0740 0780 0940 1380

1600 0720 0770 0940 1390

1800 0460 0490 0940 0830

2000 0390 0480 0570 0690

2200 0340 0350 0480 0560

0000 0340 0350 0400 0550

0200 0350 0360 0410 0560

0400 0360 0380 0430 0590

0600 0300 0320 0380 0550

0800 0590 0640 0790 1190

= AR

**4735 kHz, 21-11, 0804 UTC**

VVV VVV PROMRÖ = 21 11 =

1000 0680 0730 0890 1330

1200 0750 0800 0970 1430

1400 0710 0760 0920 1360

1600 0690 0750 0910 1360

1800 0400 0420 0500 0710

2000 0360 0380 0440 0630

2200 0320 0330 0390 0540

0000 0340 0340 0390 0540

0200 0340 0350 0400 0550

0400 0360 0380 0430 0590

0600 0300 0320 0380 0550

0800 0580 0620 0780 1180

= ABV

VVV VVV PROMRÖ = 21 11 =

1000 0680 0730 0890 1330

1200 0750 0800 0970 1430

1400 0710 0760 0920 1360

1600 0690 0750 0910 1360

1800 0400 0420 0500 0710

2000 0360 0380 0440 0630

2200 0320 0330 0390 0540

0000 0340 0340 0390 0540

0200 0340 0350 0400 0550

0400 0360 0380 0430 0590

0600 0300 0320 0380 0550

0800 0580 0620 0780 1180

= AR





17477 kHz, 02-11, 0800 UTC, MFSK-66  
14396 kHz, 02-11, 0925 UTC, MFSK-66  
12151 kHz, 02-11, 0930 UTC, MFSK-66  
9088 kHz, 04-11, 0920 UTC, MFSK  
9088 kHz, 04-11, 1240 UTC, MFSK  
11155 kHz, 05-11, 0730 UTC, MFSK  
8135 kHz, 05-11, 1522 UTC, MFSK-66  
12110 kHz, 08-11, 0946 UTC, MFSK-66  
13380 kHz, 08-11, 0952 UTC, MFSK-66  
11452 kHz, 08-11, 0957 UTC, MFSK-66  
9088 kHz, 10-11, 1240 UTC, MFSK  
10525 kHz, 11-11, 1110 UTC, 5xMFSK-16/250Bd BPSK  
4841 kHz, 11-11, 1717 UTC, mixed modes  
12120 kHz, 15-11, 0800 UTC, MKSK-66  
5058 kHz, 16-11, 1525 UTC, 5x10Bd 16FSK/250Bd BPSK  
12164 kHz, 19-11, 0830 UTC, 8x62.5Bd QPSK/250Bd BPSK  
14830 kHz, 19-11, 1012 UTC, MFSK-66  
14510 kHz, 19-11, 1030 UTC, MFSK-66  
5058 kHz, 24-11, 1745 UTC, 5x10Bd 16FSK/250Bd BPSK  
17431 kHz, 26-11, 1135 UTC, MFSK-66  
14656 kHz, 30-11, 0942 UTC, 5x10Bd 16FSK/250Bd BPSK

**Below several short lived schedules. Often on two parallel frequencies.**

15825/14703/13371 kHz, 15-11, 0700/0710/0720 UTC, 8x62.5Bd QPSK  
15825/14703/13371 kHz, 17-11, 0700/0710/0720 UTC, 8x62.5Bd QPSK/250Bd BPSK  
15825/14703/13371 kHz, 18-11, 0700/0710/0720 UTC, 5x10Bd 16FSK/250Bd BPSK  
[18492/17472/16072 kHz, 15-11, 0700/0710/0720 UTC, 8x62.5Bd QPSK](#)  
[18492/17472/16072 kHz, 17-11, 0700/0710/0720 UTC, 8x62.5Bd QPSK/250Bd BPSK](#)  
[18492/17472/16072 kHz, 18-11, 0700/0710/0720 UTC, 5x10Bd 16FSK/250Bd BPSK](#)

8041/7467/6769 kHz, 15-11, 1100/1110/1120 UTC, 8x62.5Bd QPSK  
[11088/10525/9092 kHz, 15-11, 1100/1110/1120 UTC, 8x62.5Bd QPSK](#)

9222/9048/8181/8004/7524/6848 kHz, 13-11, 1300/1310/1320/1330/1340/1350 UTC, 5xMFSK-16+BPSK-250  
9222/9048/8181/8004/7524/6848 kHz, 15-11, 1300/1310/1320/1330/1340/1350 UTC, 2x62.5Bd QPSK/250Bd BPSK  
9222/9048/8181/8004/7524/6848 kHz, 16-11, 1300/1310/1320/1330/1340/1350 UTC, 5xMFSK-16+BPSK-250

9142/8192/7991 kHz, 15-11, 1400/1410/1420 UTC, 5x10Bd 16FSK/250Bd BPSK  
[9142/8192/7991 kHz, 16-11, 1400/1410/1420 UTC, 8x62.5Bd QPSK](#)

13383/12213/11221 UTC, 14-11, 0800/0810/0840 UTC, 5xMFSK-16  
13383/12213/11221 UTC, 16-11, 0800/0810/0840 UTC, 8x62.5Bd QPSK/250Bd BPSK  
13383/12213/11221 UTC, 18-11, 0800/0810/0840 UTC, 8x62.5Bd QPSK  
[16297/15871/14803 kHz, 14-11, 0800/0820/0840 UTC, 5xMFSK-16](#)  
[16297/15871/14803 kHz, 16-11, 0800/0820/0840 UTC, 8x62.5Bd QPSK/250Bd BPSK](#)  
[16297/15871/14803 kHz, 18-11, 0800/0820/0840 UTC, 8x62.5Bd QPSK](#)

13513/12166/11543 kHz, 16-11, 0900/0910/0920 UTC, 5x10Bd 16FSK/250Bd BPSK  
[16169/15847/14711 kHz, 16-11, 0900/0910/0920 UTC, 5x10Bd 16FSK/250Bd BPSK](#)

10564/9261/8163 kHz, 16-11, 1000/1010/1020 UTC, 8x62.5Bd QPSK  
[13431/12224/11461 kHz, 16-11, 1000/1010/1020 UTC, 8x62.5Bd QPSK](#)

7744/6854/5823 kHz, 16-11, 1200/1210/1220 UTC, 8x62.5Bd QPSK/250Bd BPSK  
[9321/9044/8192 kHz, 16-11, 1200/1210/1220 UTC, 8x62.5Bd QPSK/250Bd BPSK](#)

ZE4K wkg P8RK: QSY 13809 QSA NO QSY 11175 SK

Null message: 5761 00000 +++++ +++++

1315 UTC: inverted FSK, wrong 1000Hz shift for 2 minutes, off for a few seconds then back with correct 500Hz shift

14068 46849 70545 98074 20397 57586 57496 82159 32533 52133  
76032 86160 20751 92387 63647 08602 17976 19509 83837 30415  
21842 54479 98030 16344 16875 20239 45022 55841 04918 52593  
64263 23285 17758 52075 23927 62055 55876 73558 39703 22258  
15066 58591 \_\_\_\_\_ 69262 00246 05054 29271 29761  
46974 64263 23285 17758 51384 17692 83244 83820 89553 51470  
47145 80240 65512 46545 34874 30310 71336 45147 29772 16725  
25479 38182 56267 38564 71675 50059 52786 07456 74393 44043  
27180 42714 71719 58793 56267 38564 71675 05411 39764 89654  
02869 78614 84941 75665 55379 62234 52805 86000 72927 33616  
98919 17573 10711 96693 57277 87592 69923 98114 40692 31223  
44869 06954 56122 67963 43609 61305 58373 67922 68083 12836  
90620 46876 64642 23152 85187 60792 80522 98541 23006 03913  
90014 21542 24583 35431 49739 47626 75329 77806 34730 90681  
95389 10133 97010 07984 24583 35431 49735 50744 73726 56582  
26328 56188 54064 32133 06113 28771 03825 02833 15764 91669  
60989 49120 85477 10818 05623 96757 45896 23585 20366 12797  
76689 25353 42352 59064 42721 54140 05109 95350 78769 57907  
93817 45502 08704 34221 62405 96585 10081 56972 85872 14329  
60085 49836 46333 07013 23756 11147 76163 15015 70436 39899  
06730 52180 29381 57538 96119 38211 20465 45247 34307 18266  
20923 21407 49202 \_\_\_\_\_ 62019 58906 10908 \_\_\_\_\_  
\_\_\_\_\_ 40632 87666 22679 83289 70854 40047 11922 71181  
43601 94749 62828 25485 \_\_\_\_\_ 53078 95267 73937  
12851 95033 67983 87665 09497 04519 77833 04796 13343 08781  
03250 00000 +++++ +++++ +++++

This is hexadecimal for ASCII text of 5FG separated by spaces. Normally you can't fully represent hexadecimal with just 0 to 9, but you can represent digits and spaces as these characters happen not to use A to F. Very strange, I've never seen that. (PY)

[illegible]

[illegible]

F01 – FSK 200/500 Mon-Fri schedule

**12177/10671/8024 kHz, 01-11, 1015/1025/1035 UTC**

51249 98001 52966 64569 85429 23610 07167 29574 96376 87535  
70710 56607 26848 60094 52762 54459 10625 34282 13783 77854  
58415 24059 00706 22074 24716 67424 06032 37204 72827 20204  
80549 10455 80189 51505 54344 89986 51242 76769 45803 48667  
29994 89353 63294 11220 29483 76591 29205 93176 20322 31264  
81039 25096 45507 94408 29246 60464 53694 90429 76473 90726  
68109 40413 27944 15892 33297 64619 47620 44132 06888 10058  
39868 18827 88569 64108 61285 96486 03456 40109 92408 23998  
82036 45857 23953 88609 03897 70954 37305 39122 97394 53943  
83933 01705 12481 15156 93415 38768 08852 66236 64765 24358  
26624 32251 20744 34473 31711 47334 29859 75774 53099 09814  
25710 01109 54204 07738 78399 85275 05496 50755 97673 59502  
50581 69281 72491 28035 82932 66880 76709 15301 75445 36815  
95560 17077 30018 78689 52630 54090 39337 76129 41999 51513  
78060 21436 95258 92758 65573 98143 38068 21041 67529 57432  
15954 87118 28330 49323 94039 66678 51767 94598 60379 95771

71980 08373 87602 97764 81949 11274 32534 00226 11681 89153  
78505 65193 73296 87268 50018 81260 15204 49874 54459 90911  
52532 41167 30562 51549 66028 08510 08282 53658 86598 73883  
09796 44523 07674 64491 46298 30960 92611 18470 90278 59486  
69285 26629 27989 97368 29079 96165 21762 62988 72467 47292  
36889 78957 68355 78705 12726 46435 19378 62844 82735 64060  
50353 56872 73140 39961 62055 40316 34867 70265 17511 15304  
88496 82546 53007 30339 86871 67657 30992 13546 25079 48378  
77050 26324 52482 58311 68158 73356 66485 29477 64391 29892  
92731 12031 01273 72263 81404 74554 84964 22552 74344 58342  
57463 43365 22637 84137 24018 43632 59389 34738 59931 81387  
57368 61931 38950 74457 26178 91168 50418 54990 28695 22441  
97393 28783 21410 50782 92908 25318 48396 54833 96555 49469  
43573 26918 58600 70805 20957 43056 63797 11417 57592 96352  
92104 18235 98841 42209 38475 30742 40729 28786 58918 80040  
69019 11155 35024 80205 59726 72585 74125 97858 70733 01391  
87295 10899 79211 96781 12364 92338 44529 02163 74141 80166  
01340 89304 99034 19192 12525 41836 26250 85790 36698 11483  
82760 31502 89935 45509 14233 06416 06448 08778 89100 48273  
27847 48883 17963 48235 75729 77782 55511 29242 87238 68377  
77155 97915 18306 89461 47552 55926 44255 27498 23208 81777  
12462 68641 56354 18933 26736 39455 92283 31228 68154 29756  
77323 11510 81981 46028 19649 54434 85410 68836 70108 29356  
75780 12684 15261 14261 43975 11752 99805 76668 22683 79946  
20598 12443 24209 18708 59425 78453 47523 71009 46751 80020  
59237 99411 00000 +++++

**12177/10671/8024 kHz, 02-11, 1015/1025/1035 UTC**

80993 11867 34917 72018 84009 87447 02333 91730 71026 41280  
47559 09804 79208 61799 00833 92731 92564 01737 64256 18286  
11251 93392 31931 94940 42460 71829 49647 79056 80077 41901  
93802 88250 65298 50078 74259 34403 45379 46985 90803 24720  
72738 51609 97910 04309 11555 53096 57498 38689 44095 11088  
84353 59687 93920 40532 13928 23145 08180 91896 47176 51880  
66174 62741 52140 62342 06379 01564 26952 98395 89103 89876  
53956 20669 36996 13443 99633 24906 20551 01077 00000 00000

27789 61302 41963 94585 48325 15522 95673 00684 89123 83834  
22818 84140 44185 43648 22426 75030 13572 18676 05135 61866  
91480 13088 32685 32828 91144 29741 77830 19039 79980 39678  
40590 19589 23430 95088 81784 12977 60933 02908 59801 84666  
62462 01255 81514 25445 39063 05882 03302 80273 05838 18840  
43104 52302 20806 16530 89449 91762 48082 59344 18390 24398  
18807 90068 54286 99142 88269 13251 35381 59719 12661 72709  
70089 69856 93888 69368 94949 46796 65903 86625 70177 82803  
20959 15411 73750 59340 99254 96156 79965 83612 90396 19835  
33409 02091 00000 +++++

**12177/10671/8024 kHz, 03-11, 1015/1025/1035 UTC**

88057 74923 56888 80282 67189 86789 11985 08326 38863 45687  
25437 51965 46664 71286 79270 14663 49581 41899 56906 47872  
51633 86385 21473 36358 97226 04685 37190 98850 43170 71639  
07254 71217 43291 03813 26656 64343 06576 93975 73397 13904  
14801 42967 86503 64223 10555 43593 04302 53398 91620 96275  
61387 91881 72643 61114 67720 51709 00009 76077 18284 08561  
30895 95978 06755 03837 12418 31952 41606 18944 21805 96095  
88095 78978 53555 80986 84569 27986 64493 28740 06517 42996  
12685 69305 76817 79006 51130 32701 45617 62122 62182 64840  
88276 73017 43622 01682 94810 87922 82338 81352 49284 69315  
76536 98948 22572 23508 92417 33709 26949 67315 66280 03227  
05925 70994 87955 24406 57771 69636 26536 85848 16187 60211  
84321 61340 36511 26437 89934 19156 60961 58669 66520 06835  
61299 61003 35991 16146 82379 62764 45243 57908 35015 76583

25279 01368 11593 70241 19179 57804 22892 44471 39862 13075  
79512 33905 43563 38761 66392 73348 29976 36621 83806 96582  
04988 96033 53324 59864 66955 69109 12137 07330 02450 93172  
44204 20474 02414 15290 21656 18899 34663 98540 54879 04526  
33675 14710 74744 66442 93605 53093 95389 88593 75452 00111  
31010 27479 64330 69396 65091 52067 37775 87076 95521 63102  
31018 61901 04018 33986 10174 94932 23307 40442 89277 08470  
00500 71123 52104 98895 80092 36376 64709 43146 55034 17325  
89632 13469 59298 22490 37701 80181 00398 44095 18361 07094  
55276 31288 74488 69306 78016 22429 12608 48046 92803 03656  
64457 82254 70581 85903 40840 81586 12830 17570 63698 30536  
90918 75010 87349 38355 14460 98056 44813 14461 27102 62741  
80184 74024 53204 08409 52968 03414 43824 61425 25330 40196  
95466 22641 68197 47374 40014 10817 47135 86549 29291 79201  
73959 19695 62698 47427 34996 94237 31345 15937 31945 91119  
77125 55112 96280 40540 90172 86298 63123 35060 93129 96910  
15515 94757 85678 56807 35054 64120 47749 28127 19807 45364  
24874 85760 55441 97866 44091 90667 50529 58400 33868 83196  
71934 61853 46452 88629 41247 67126 06111 52103 78184 17896  
31682 45132 01901 92920 06883 10881 26151 25595 96803 40408  
09233 97422 34040 97050 44655 35107 22880 31135 03467 65937  
35005 52217 64183 11172 95128 51023 91242 22083 80010 88281  
47943 88382 79292 92649 54787 73685 91586 34897 29169 57713  
54254 70550 67353 89929 30312 68184 54673 84284 00906 65546  
14893 09759 36795 20692 34656 56396 47263 50338 23989 81520  
29925 72603 98755 65796 69835 96336 96037 33866 61361 24205  
58354 19203 51241 61752 47672 77902 26274 49591 75134 81080  
94075 60929 57449 40582 30338 31625 35881 47663 91028 14931  
18772 29361 12973 78153 33539 52224 51249 83377 99076 28091  
26839 19468 54515 01607 82967 77529 05256 24170 73576 87008  
72235 03441 00000 +++++

**12177/10671/8024 kHz, 04-11, 1015/1025/1035 UTC**

07368 03419 55144 05824 17938 89403 12744 42249 92499 75856  
70559 45708 14793 77842 60727 35935 53780 66614 46721 41306  
81389 27082 54422 72950 36838 48180 67749 21622 04731 82098  
68515 75757 99104 33283 25218 84168 70630 63169 60440 11795  
79139 21572 51551 61965 98671 40672 44398 63596 47227 52544  
84671 46775 58420 16146 96632 55154 37206 64729 63899 68602  
66884 09592 91955 34544 59555 61115 57103 31431 67224 53028  
71514 04071 00000 00000 00000 00000 00000 00000 00000 00000

17289 21015 25118 25851 19896 13432 79714 39418 80776 33745  
14257 44114 99623 82059 12456 49386 53142 64235 90302 43663  
00826 39535 28068 23103 72476 76966 45764 37641 42150 43749  
39243 40243 18210 74360 19132 50332 04190 93564 19789 67304  
10137 91905 70459 95085 19132 77060 45838 63660 38683 49519  
38199 58503 91653 76020 18310 93869 26439 59166 77288 90860  
51070 26680 66620 46223 20925 88723 78488 02795 34740 36716  
33645 57557 18618 82101 68966 68226 02704 58489 41927 44302  
20226 35610 94132 33546 83589 05085 00000 +++++

**12177/10671/8024 kHz, 05-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 08-11, 1015/1025/1035 UTC**

44141 60160 56085 85968 67264 61104 31860 42297 47024 04678  
44597 35306 33589 19629 02559 03938 84841 86170 35794 18339  
25994 77800 23966 12734 82734 70786 62554 10201 73848 51024  
15878 81527 74251 72942 30369 05340 84362 50145 06542 21679  
66774 82479 53085 96234 36136 49221 71527 37400 13200 23056  
44899 33352 78967 84550 28842 01340 89866 41800 68594 66361  
39907 84939 90295 11426 80738 30205 40040 66590 35563 33231

69123 28943 67829 76279 88926 30741 90653 59074 43848 97873  
27890 47945 75762 65848 62814 62951 78399 45483 35330 07687  
65116 55492 73651 71447 98479 64155 71401 58448 55105 07256  
46047 23778 24184 74477 39631 20782 63142 81439 47714 89556  
58864 69576 87492 41246 67923 01022 40998 17826 34247 40708  
34345 32059 07673 42865 38938 17324 11804 84088 05605 41987  
34636 10187 67563 68012 40363 88981 73181 58503 25819 86258  
34455 63848 69980 07037 02152 41179 49981 69375 03548 86806  
22058 02872 03697 86337 90880 89064 76183 12155 15705 85911  
94272 22947 26763 03544 78417 44977 50362 23471 61046 39774  
66103 78436 54574 87943 44666 35096 33575 43777 39601 46729  
67050 40342 31563 68143 61733 49760 48420 49984 02368 28342  
09683 54620 99892 01269 68682 60801 83481 66523 50948 49270  
97355 22736 12208 86525 88333 50649 64451 48907 95030 02885  
43509 54212 74658 81690 16562 93004 28363 09375 53032 76834  
11033 21096 07299 45526 36516 34702 86650 00746 14188 77316  
02949 58017 77799 73343 31404 34391 92557 23583 24930 13938  
51350 30160 57493 58267 96086 46924 94910 54250 25059 60042  
16522 16135 72285 28442 36178 84250 69755 38811 95987 87476  
28532 54836 31252 61663 99631 65363 30027 41210 00631 61176  
35756 65966 18928 95072 66404 70651 27612 04927 48532 48986  
74856 04436 89753 09720 32791 71218 38007 66730 16785 86973  
01077 30405 11073 09372 24813 92470 61667 80376 53476 21473  
22502 00674 20650 11084 65719 24906 44156 48431 92072 57396  
23410 94633 02351 53041 62659 94735 15781 53074 68536 59211  
46344 10377 95360 84255 72930 84026 36645 03016 64286 07774  
86210 84980 44683 62129 17392 25694 11245 04755 53725 93986  
38872 38840 29591 28924 33703 24157 64229 03640 21048 60472  
97576 98254 78731 98023 61349 49064 51787 54716 83826 66186  
09428 44760 51754 36849 30248 48413 77824 56513 26586 77527  
47150 55011 43974 16582 41183 09901 96634 43893 62517 64204  
24945 62687 09003 90731 85811 96726 70610 70181 11890 30168  
47497 75184 00596 96352 12692 77505 18833 45207 67854 20570  
34386 43944 65531 24510 09905 90754 96358 15922 20431 46174  
64641 99511 80392 11808 00753 13829 91008 11114 83777 38267  
44046 51924 72860 43521 42857 75381 70672 02689 26637 21003  
67449 06431 00000 +++++ +++++

**12177/10671/8024 kHz, 09-11, 1015/1025/1035 UTC**

51905 37231 90614 19172 34444 19637 46815 99060 18436 13030  
34358 06747 42175 35510 51919 51506 06510 38664 69127 14957  
61877 61466 89814 36054 77069 92869 58723 13391 94426 66527  
28858 10699 01146 36078 31672 76527 71390 04440 17270 14008  
58884 05536 56818 61662 44683 61914 24349 71177 69814 66667  
00152 93091 07458 63118 62927 06333 54376 20694 62901 52536  
46259 30422 93085 61089 26692 68502 00866 75828 24418 01382  
07113 19350 18591 30761 25001 07075 00000 00000 00000 00000

12019 50071 99897 34566 99197 21790 71907 33075 40988 61627  
48857 23355 03526 47502 31554 40466 92269 32462 89017 23427  
46916 13010 68874 10934 38755 09641 68788 42260 93910 76770  
54863 93013 90887 84251 37952 00450 05885 37653 43823 58023  
04285 29497 38097 83857 01788 38647 91919 92839 43601 20021  
99288 27006 75137 51827 81981 23921 02651 32504 43011 27731  
67257 44561 54563 72579 80768 27494 91336 93077 96774 26973  
45239 41506 15431 12492 82359 16450 45359 80652 28168 32542  
71124 86289 91875 86009 99713 68613 65892 95705 84457 64555  
61314 24323 49823 26513 65394 08095 00000 +++++ +++++ +++++

**12177/10671/8024 kHz, 10-11, 1015/1025/1035 UTC. 1015z had 1000Hz shift**

29422 51751 07239 19039 50658 00885 82793 21930 69116 05260  
25550 42354 15680 16445 54063 51679 15136 73092 10208 77313  
69735 87505 35753 04359 61213 24494 10377 84394 88456 58439  
80779 99824 82995 19539 35606 57235 69527 65129 05858 08184  
63632 37058 95473 20876 23896 91020 71779 51158 00608 08815  
70487 86254 48232 29432 94931 59707 93832 59942 14232 60941  
78643 52102 90070 87891 14974 55616 86767 16140 25630 84001  
44348 82990 58045 53987 19280 09923 90301 84382 22582 11868  
71240 65360 09977 66727 61833 34086 03783 43594 70019 17627  
51235 13096 96179 29095 48921 88307 31447 27939 88006 69667  
76035 80341 99960 92334 69775 80645 07455 99423 52044 19759  
10121 89558 93280 11466 59863 12178 65263 12587 05409 09033  
42351 97924 10780 25316 50868 75928 77387 38851 08820 56027  
24417 80792 23123 03551 07204 46263 36554 43193 78295 18371  
41582 96942 20858 54042 03290 67431 09149 05113 58557 02620  
75725 73103 83713 02777 90069 21127 47824 55677 78338 91367  
93807 10962 38907 01555 14586 29594 33402 18885 16427 69350  
57913 34817 86686 92289 24068 89193 08139 05121 04649 17103  
87065 68429 23462 16944 87309 35687 94122 63113 87472 07977  
37455 11763 03440 15386 32197 73055 43430 60997 78686 48370  
87749 88404 80232 55880 10440 58716 71838 92948 85013 47958  
50987 08779 41449 00824 90157 85757 66651 01721 35767 52923  
65555 49025 23231 80003 25057 43508 62819 25457 47972 26850  
76006 36954 49191 31201 86987 27739 31240 25704 99069 77307  
81412 70931 10605 29837 57682 17174 50166 88810 55564 07508  
35645 31267 73123 71586 86971 90121 16314 21096 47120 77985  
11844 82805 91119 50932 19735 30150 27728 35636 62793 99292  
23475 68332 15144 00592 03753 19034 17052 61412 10652 99428  
08188 61237 22213 77917 96541 44981 62795 50209 05177 25481  
59256 38931 63986 11076 22599 20664 38675 19224 59814 03874  
14122 62090 45577 06149 74331 15051 08495 04190 46157 04036  
11595 55004 98970 72663 31735 11710 17489 15097 67635 82424  
89923 85558 31198 05643 78656 20440 01827 40570 65617 33957  
48419 95820 89558 73262 48714 44941 17411 43984 60707 02187  
16910 42100 25784 56988 22678 53102 08294 90542 12953 04383  
01234 22983 39146 81783 52728 64536 75421 46236 93002 69135  
80482 11446 66528 13905 88750 68539 99037 52961 73128 68630  
54079 18970 46533 99228 58822 70896 94383 15432 03780 11377  
55236 11850 46147 22167 91748 46176 71442 91085 19163 50366  
93133 28906 83502 90351 94941 99618 06655 60214 45508 12520  
40544 21790 40112 49546 97563 25602 49126 26306 49477 74093  
77897 10234 11955 13071 67743 44319 56946 62316 92747 49831  
20072 21296 32042 06490 95220 10895 22269 09427 00000 +++++  
+++++ +++++

**12177/10671/8024 kHz, 11-11, 1015/1025/1035 UTC**

64197 83411 19233 21452 94802 31345 80617 72802 52897 24524  
40021 37267 11962 01124 17205 33062 35126 12027 17722 18681  
43549 81456 29854 46358 27471 80996 88452 49996 29629 65427  
47859 78514 55726 43808 31088 10539 91639 84263 47475 11377  
32047 75882 95966 18218 50174 96200 96242 64491 63343 57673  
14855 79324 74001 31598 78579 23035 90932 72913 92156 44592  
60335 94309 02618 71995 61436 63104 77375 71496 46364 19297  
88283 36603 28927 38261 18825 92813 52021 86498 36642 29005  
88328 10081 00000 00000 00000 00000 00000 00000 00000 00000

27269 00065 14054 53582 21934 56132 08790 02674 61532 10285  
87584 73049 76569 07012 07727 00343 66178 21834 21116 90521  
67497 51951 46236 73471 92337 43303 22245 67225 17068 83760  
93637 95020 36657 17102 98915 22379 18828 57487 61688 06392  
19227 09106 07664 74400 43580 20687 55948 74259 67757 29560  
58106 63368 51680 74954 83403 28660 08017 85223 73685 54735

11599 68687 16325 82326 60502 62767 08661 24285 24721 21118  
12393 31272 43376 43426 21348 24347 56402 77581 91061 36632  
81638 48892 03617 31256 73274 96042 66173 87743 22567 18471  
66627 74061 86799 64867 34832 46485 57385 17470 82827 44491  
03076 11101 00000 +++++ +++++

**12177/10671/8024 kHz, 12-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 15-11, 1015/1025/1035 UTC**

97488 64321 94397 42036 80027 61490 13842 63426 88574 16003  
64333 00737 75477 32636 59962 50476 28527 51594 82977 05014  
90216 63543 52700 65907 68112 80209 72267 46385 91020 33984  
20404 98924 90649 04964 80390 28876 13444 98880 23435 80044  
92281 24338 88621 03197 32721 42804 26629 43404 93494 89798  
99407 07175 65914 90707 53004 95313 81899 19663 05709 12431  
05309 74927 18729 89062 86248 69218 41574 77312 83067 58418  
49323 05975 81710 57088 13988 06069 67124 14251 77129 42711  
26397 47849 15950 14286 88333 61349 20014 04826 29133 90897  
20812 00563 98872 56488 41336 06570 48480 15570 57867 24443  
61882 42530 91154 76947 23013 82503 69180 90590 72373 52921  
28689 72019 32837 91261 47678 39225 09369 72430 26031 93457  
92369 44196 56483 42799 19308 54144 53107 13350 74356 66563  
29502 08927 30689 92709 43886 05256 65149 82894 53258 89562  
99971 53822 43843 81511 51229 49613 29981 96434 88723 59971  
38670 36781 36976 43899 21938 22723 72022 32433 64233 97864  
93696 08808 77023 70986 78096 89509 97788 79753 39897 54637  
35596 87346 59231 01024 30442 47932 52802 16545 18560 01917  
93915 99059 20858 86932 11136 68414 96703 75475 20235 44955  
30220 75143 69137 92975 41288 52406 00529 52547 38447 65859  
61841 08168 55877 19870 17281 67658 41647 74589 41596 49757  
89427 73236 00273 03842 30835 72611 45840 10210 30624 87765  
84980 34376 51887 86773 96123 33800 83465 96534 02222 40502  
46756 05552 28383 67985 24099 74619 99058 15920 75932 91355  
54465 71017 38909 29524 90938 27529 22153 99078 54897 75815  
43851 97861 45102 32419 75362 00908 02916 10078 85036 48279  
95224 51115 98924 17375 19735 72652 20573 90644 87314 97067  
77085 54662 61073 66152 83644 91470 56868 62394 43678 48158  
34925 85825 26852 95594 37260 59875 92090 12261 50585 64667  
47798 54114 99396 21192 66474 96432 98921 74793 95920 58559  
22615 51419 34203 47505 63899 85052 60582 81327 96826 39773  
39585 78235 65354 74894 40405 22360 55921 26594 38826 42109  
33016 04491 93854 62073 42412 26597 16238 14392 11780 41096  
71077 20539 03335 08359 81698 79443 98233 41669 26988 22912  
17395 30063 49366 24261 08429 91741 15602 71112 53371 31490  
97637 38291 76904 00531 65626 21753 59757 82261 10362 19485  
86960 52308 37290 70319 85662 86330 99295 86596 32180 14020  
60434 41602 32966 42725 07822 97743 09206 99147 53846 86372  
39704 62539 95904 75210 41761 87834 25846 84313 94728 42176  
06304 36502 35925 03244 56120 53203 83601 92841 12031 31648  
66652 44180 58812 64339 65742 26281 45068 86758 95552 73956  
26855 64220 82827 96779 06321 53830 19907 65511 57556 12419  
00000 +++++ +++++

**12177/10671/8024 kHz, 16-11, 1015/1025/1035 UTC**

42960 37234 23851 99302 44095 09177 82383 23462 09390 93185  
65397 29837 80121 52749 50852 85841 56423 78847 20193 06388  
26312 53816 71403 87913 79567 39525 53645 50320 61173 63305  
90660 22753 43988 00076 85143 34176 25350 74091 21243 94665  
77285 28766 07403 78358 05027 37991 26727 44004 93513 57399  
87042 54053 46573 39006 87861 78213 48459 57673 46427 92417  
02446 22814 50023 09141 26159 73802 26748 00002 08333 82507  
51929 96587 56679 11387 32366 80435 91557 00595 35601 98115



65134 82524 56390 62351 10720 47233 37571 25103 51962 07181  
87515 13091 00000 00000 00000 00000 00000 00000 00000 00000

18839 22800 66572 57541 59259 59002 22291 30657 02453 87948  
56428 70929 64525 65826 03217 90988 91024 07362 46221 33351  
92944 34592 05963 27249 24627 35114 74891 82277 45739 40740  
54420 92293 34527 62498 73692 48008 44522 42924 94776 81706  
21893 11571 33971 92536 25633 54682 53914 25797 17760 34962  
06182 04672 15728 22375 29058 37839 24236 21930 30169 51400  
88610 09360 08674 18562 36967 10664 96683 85506 03321 86421  
24618 16896 48847 06840 40162 09440 23471 28453 35536 46964  
34977 08426 62745 95429 17828 14085 00000 +++++ +++++

**12177/10671/8024 kHz, 17-11, 1015/1025/1035 UTC**

52401 45434 15070 57692 28514 23508 89766 36696 70538 65847  
48382 93564 19846 67171 78845 14610 16259 42982 15574 31454  
90628 86171 91266 23789 97340 23341 87245 14801 10215 88011  
68263 88963 30208 52920 12719 86880 78382 88577 74223 56867  
72553 40296 35457 67954 11079 40846 40237 14012 12202 00960  
14755 63663 82410 44844 13906 35705 12229 82904 53659 04680  
22889 38863 15396 66332 12325 73459 33156 17605 73916 71918  
99740 30874 86419 87377 52593 27117 98535 57458 25401 77682  
56540 36170 76366 89370 48417 08330 29065 52500 62935 78694  
86845 56644 87103 52983 06703 03741 90439 52987 43555 73240  
69498 32941 00876 19007 51089 89354 48604 02631 77615 81498  
94284 92865 22993 04704 18364 85857 12562 83695 09581 25871  
45446 78128 61401 31181 42787 17519 15416 54838 70299 07752  
62655 34977 08574 76369 38749 14368 69576 48804 73869 33889  
82777 72768 83400 29617 99339 32964 10267 88219 87819 23321  
54857 40326 19806 68940 53486 96586 68933 14927 91327 56087  
71718 24313 60757 41816 23650 52241 01045 42873 08961 88614  
80329 68095 87544 86382 05822 40807 87424 17668 73157 89364  
76230 24901 90858 13188 10125 59173 40823 28973 83594 22980  
60792 26762 28571 59542 59722 90571 36295 55905 02008 63250  
00382 51985 21489 60266 04504 72769 51185 62115 03153 25844  
79678 40012 68894 31439 70110 94590 04573 77184 02697 12263  
43888 14761 26728 68951 88792 40626 32976 35870 57143 28022  
82445 67039 39041 02430 52412 73233 85301 77667 85687 12035  
76492 94834 54037 48695 45975 31254 71702 67480 55385 71643  
19953 38192 45993 58664 68614 67554 14384 65060 05508 90150  
85888 54567 09730 78595 84204 23774 29729 77637 20649 42130  
52093 91873 51476 32292 72003 81760 76699 57976 01288 47618  
78857 11533 75002 06310 25151 18401 42494 90283 81407 00658  
53865 23664 11289 66827 77793 55082 59200 20156 11630 51934  
40319 02521 69723 85749 86194 16183 60907 63363 19356 90548  
91078 83573 55348 86145 51817 23976 55666 52990 80971 87663  
79986 85537 06164 64474 11164 41400 07132 86477 51418 16026  
57867 82388 13147 90517 34465 60593 52806 94786 99642 75475  
21294 53226 99853 56732 29280 05090 35931 06365 50906 16767  
93214 93032 14308 28138 42077 98458 52395 00199 44803 95573  
12310 56148 29758 63082 47030 33110 18767 66149 37527 86693  
18668 57879 18929 15577 12952 81290 09137 98284 14443 76461  
63298 59376 64953 22539 02623 07204 92842 69305 90927 10447  
64428 37972 57392 05598 90180 95906 88930 52600 71641 34973  
40638 80809 00001 08170 37737 92480 42274 04258 67463 15961  
76011 15411 00000 +++++

**12177/10671/8024 kHz, 18-11, 1015/1025/1035 UTC**

34998 82496 48096 98130 90803 53429 21572 55947 14020 49833  
53549 07324 36853 36230 59098 64891 83858 17408 47186 73654  
55922 52057 57633 39529 91672 53623 34106 38048 29790 95548  
19081 32937 20612 63094 81719 59235 60506 18941 14590 50661  
47434 74734 60176 15898 81132 85783 53107 93494 56376 11090

89048 40069 22733 05893 56185 31498 09268 38927 90255 81782  
37619 51569 39034 09277 71899 01071 47248 04968 78841 55055  
97824 82497 96641 29483 70435 14602 35931 87246 03250 85670  
61309 39609 68865 15106 26891 17654 00321 31166 64280 05953  
28155 99992 46439 16093 00000 00000 00000 00000 00000 00000

03111 06693 52833 18446 14954 34081 09436 93815 23803 89392  
96704 60568 93884 42763 85307 47017 16635 75765 80063 37000  
84962 96471 13983 33823 81669 25309 96304 94203 17969 31407  
12981 24442 83041 24118 03037 55968 90559 29403 59248 42484  
33129 05773 26576 45869 80571 79455 96782 03045 82992 03500  
22690 90979 64579 70490 00493 32037 19048 33560 93584 06830  
42699 15392 96319 66787 65999 09902 61152 63620 69642 06274  
37603 37862 96016 90058 96461 33682 92021 01002 37699 32156  
44168 52299 05498 20185 91904 40969 58847 17087 00000 +++++  
+++++ +++++

#### **12177/10671/8024 kHz, 19-11, 1015/1025/1035 UTC**

Null message: 5761 00000 +++++ +++++

#### **12177/10671/8024 kHz, 22-11, 1015/1025/1035 UTC**

11315 82536 04223 26482 61746 56948 47606 00338 17180 72215  
51064 36350 06364 41394 01435 51491 03104 53215 15874 74098  
36852 68777 44098 48822 86205 32802 43376 05345 91255 79116  
24717 83059 45717 35068 93682 28889 54790 54552 34267 10442  
69666 34333 09284 11680 34651 93367 75690 03303 07806 19789  
38293 05020 41069 15265 90266 81905 30792 91401 13935 42030  
74611 97885 40230 27533 95617 87056 90291 16361 19738 44586  
47631 76818 17287 40962 34293 42151 44606 83459 89463 97333  
46748 73290 73958 95241 07126 97610 49022 44426 55075 11083  
02889 35633 67265 86677 23526 99303 23893 40395 41011 11199  
05601 59607 87980 88370 42058 89695 51568 42646 48129 58679  
15302 83815 08592 44516 14363 89724 97314 14775 52676 85440  
41855 93346 55245 98691 69398 33906 54182 83758 94983 04787  
31864 31019 37953 14984 69657 04317 77562 35943 75648 73355  
83685 98848 89812 33293 83557 72078 90059 28738 50490 48534  
47602 24324 25495 97507 05075 89053 07759 60799 75840 86597  
74895 97749 87934 88746 18931 08898 21068 54184 08944 92924  
10135 39785 16301 16601 13669 36623 63430 02400 70666 47866  
82069 63474 94238 50760 91920 40692 75508 09881 35653 21398  
96202 33836 31192 44614 73372 92623 27233 22341 84679 37814  
72909 31672 47690 92753 37565 57384 51603 04975 41558 89716  
64862 78004 84033 06997 67084 24748 78618 97838 78742 09648  
32951 02556 87033 71797 33003 78520 91386 46201 18120 19121  
17025 25361 57727 81030 70041 28390 65631 99457 32412 69830  
12849 96075 20388 45362 24924 09314 54701 76595 74639 01699  
16033 82140 06088 23938 84161 67121 51018 40424 84250 48343  
23416 45855 88695 57290 03230 27658 47976 88139 45212 53893  
48956 82985 73777 91340 24049 71459 49847 83449 59714 06927  
20597 42837 77699 66459 88057 38022 87475 06758 57492 79091  
33300 93228 51506 31976 84347 44381 00811 16026 41346 58755  
47585 64573 58154 16545 22376 53182 01711 73129 80468 25242  
98810 86676 08666 69628 43126 47014 38419 30099 60929 97970  
26240 51103 58932 70346 87341 89726 02699 67726 93426 48414  
99065 72305 70590 08197 80992 62929 58243 67087 18304 62520  
15020 13340 02739 57091 82583 88263 80756 53530 43292 18271  
32538 68334 32641 20852 20608 64499 92431 14164 56531 78727  
75596 84921 59109 06172 38628 94272 02516 34870 82538 26354  
77818 47088 28292 09207 16311 29733 37650 62743 48098 61044  
15361 53455 94378 65738 53636 60540 16851 55800 04851 83155  
72688 99101 93401 43453 48516 83045 02664 65121 71833 65412  
97983 18401 00000 +++++ +++++

**12177/10671/8024 kHz, 23-11, 1015/1025/1035 UTC**

14440 40179 15037 81194 01620 28438 93422 35036 62713 04949  
89296 71553 83669 64767 79489 57587 87148 38450 78072 45020  
15152 23972 89749 06462 51212 16414 52010 14784 61818 33835  
58244 27444 61761 62771 79002 61521 53104 71806 23584 70427  
52440 66642 09150 58200 06151 85115 29538 92342 98330 55585  
40974 01133 81079 67142 06869 66337 61848 25079 68875 47283  
67514 90032 36417 97204 69893 24275 11846 57821 02356 93561  
93440 43066 22250 97983 23428 47925 98805 30260 73198 43298  
31229 84916 82928 42840 26639 66772 97783 52712 92573 72183  
67879 40178 23725 41479 04216 19095 00000 00000 00000 00000

98053 22663 81460 43001 57441 33169 03682 11832 36611 36049  
12905 30416 83573 99555 66390 40009 54380 27847 79434 64629  
81793 23089 29639 01141 69444 74999 98379 95370 16171 01273  
66679 90197 00212 87317 07654 56553 77956 98752 42737 43268  
76935 65093 53848 06706 87727 58062 68722 06117 84489 12974  
61558 75654 28785 66615 36193 08987 36394 10075 83978 17448  
11809 79945 33560 47654 80084 36347 34731 69539 70746 01201  
43556 70732 33435 55195 00958 18219 89970 16884 21940 73230  
52538 52344 37650 70288 62671 20085 00000 +++++ +++++

**12177/10671/8024 kHz, 24-11, 1015/1025/1035 UTC**

90648 40223 90226 06772 26565 57936 37317 74208 20436 94623  
76844 49469 70708 45033 70124 52005 13970 63761 23412 54472  
95404 61264 86721 70586 76836 87864 92589 42697 43325 10424  
58219 46245 94214 11390 99436 53306 29610 64887 29905 22406  
68186 69547 44027 06789 57296 42766 06982 98333 61288 06075  
00319 49300 38995 16305 96564 39096 46315 22258 61269 78247  
24827 51527 05923 66772 62380 57207 40203 49124 36596 79135  
96966 32917 77212 99380 28432 63597 08221 96658 96996 72268  
55717 29356 09117 38842 32419 01855 65691 37711 34778 93853  
27388 58129 13629 57353 18350 16486 04311 11014 16713 02662  
27196 86556 05386 27653 94571 06914 81511 64656 84799 00790  
48068 00798 69707 83349 36025 41687 06132 57696 30514 35999  
27563 16850 99431 12261 96828 50887 47930 45032 05738 88957  
47215 92665 32650 30841 11106 73837 93883 47750 18781 75044  
49909 57051 07156 06226 52268 00611 81324 46739 42151 81424  
16509 48840 36573 38254 49946 90875 63084 62927 86155 97370  
28952 90002 64022 68196 35757 13490 59135 84009 75332 10304  
19818 80146 67991 75148 60282 06166 28975 96508 59357 13216  
74061 28447 38215 36428 00273 37890 15540 64517 02619 32085  
63579 13771 12810 95923 13508 48626 70880 93816 83543 16015  
65664 15805 28262 85665 05050 72597 32533 13547 01963 69223  
98529 70645 87004 11985 99232 04269 83687 28391 96884 24042  
07218 04783 49820 29816 72728 71307 56109 23640 23945 88947  
07462 73018 18186 18292 51816 17615 28650 74728 88057 36607  
49931 99750 41311 18869 17687 03069 92226 03178 78408 55203  
58714 80620 70226 35258 53555 76403 00687 63554 66327 53236  
32438 73822 43087 03492 12768 04620 62245 22318 07921 14684  
30065 78898 28141 51896 44230 28041 54379 30547 98921 29287  
02587 96586 29826 65734 86555 85556 22528 79741 65228 02877  
32722 67724 85411 81192 91675 01223 55845 94452 95377 66415  
13553 33417 00828 39287 68416 72276 77882 38626 36911 81074  
90107 24040 00936 63613 03077 31177 52678 25541 43540 61350  
11459 02300 57919 67727 23477 01621 43546 05311 80411 40269  
51103 36856 17799 79695 81682 11950 79143 90325 26922 61404  
56678 99123 25635 74190 44733 00167 35389 49057 66627 32885  
42461 38063 61044 57659 58606 24180 38810 83485 78082 00167  
46025 27359 93373 40905 94475 10101 93026 86375 45270 18285  
90067 77467 56637 86975 54417 11807 31819 82944 47747 11793  
28001 93072 84218 22028 12215 47607 65530 78329 75148 32974  
63729 15514 38807 73826 50205 06136 18961 89021 94320 47367  
28308 51211 80099 38219 31305 04726 14430 14271 86593 21456  
25197 21411 00000 +++++

**12177/10671/8024 kHz, 25-11, 1015/1025/1035 UTC**

05004 16359 60402 68633 33280 16095 63640 71577 01592 24730  
37804 75359 75463 19571 92837 21770 99169 73623 26954 42764  
11962 55492 19866 95374 66353 39527 77283 52957 28132 24667  
18877 13738 62808 85409 26874 12568 38170 03347 97499 46847  
97642 52710 62425 52545 84134 38347 72430 91255 19058 09587  
60459 34219 66218 98413 26260 54265 35247 55402 09787 61597  
04277 81837 45569 44358 66542 81469 15215 99927 30596 80327  
40257 67872 28817 88043 82508 00498 13919 99119 44132 31932  
48126 57563 84601 31690 14718 33352 96745 53632 06616 84142  
09060 16290 71719 22093 00000 00000 00000 00000 00000 00000

47722 03326 60941 93990 44090 43784 37854 59372 13647 97674  
02201 77367 93831 94069 83704 93353 70293 30037 86808 00125  
34914 79511 28828 97411 27137 18686 60618 63990 38279 66333  
61963 03332 83525 62515 28840 48723 71282 34097 94781 38800  
24581 20531 53501 99422 34223 58316 74971 92841 48347 47596  
32157 20081 28113 49324 80570 87490 24186 86422 57854 73386  
53703 47395 95559 55729 82427 15811 60337 86779 41753 74105  
66692 25660 35269 55142 28516 64760 14558 39955 41581 10939  
28922 25126 14169 07437 78721 08231 88037 07456 27012 64785  
16908 35335 49177 15131 94654 96261 25226 23097 00000 +++++  
+++++

**12177/10671/8024 kHz, 26-11, 1015/1025/1035 UTC**

**1015 UTC: 1000Jz shift**

Null message: 5761 00000 +++++ +++++

**12177/10671/8024 kHz, 29-11, 1015/1025/1035 UTC**

35280 26967 76198 19516 62853 42996 34569 39508 88563 25580  
44118 02721 43586 03620 89458 07785 73896 46022 85321 54302  
82251 65382 63702 22347 44497 93248 18927 41535 73622 94146  
46562 29319 30006 10577 37108 03212 01297 56143 10416 96630  
00353 99021 01768 33033 54689 02941 35552 38045 85871 17878  
47474 94264 02275 37647 41236 68428 53673 66561 90636 65631  
21076 62379 23005 90278 40258 47691 44935 18469 82412 06968  
96226 11490 40383 11426 43002 25116 93886 38922 45905 94386  
52184 81050 64351 98570 97629 54637 82734 35988 78535 59813  
69556 63382 24792 51860 05400 79536 84674 19011 40683 57804  
06286 83395 69140 57269 12062 67321 27965 67190 39779 92068  
60545 64445 48505 01396 02737 88643 12934 26938 78612 64611  
54522 37689 16614 26914 82901 40753 22056 26132 45959 25549  
66918 21549 12065 68667 82854 89961 32856 41551 68363 05290  
60029 88199 46060 68666 14570 65083 30979 93719 31865 60444  
95852 76698 31132 35185 44295 06166 82599 52530 27843 91919  
70876 88631 67769 17844 77959 41335 67629 48373 34297 79266  
27466 43257 11365 98444 95602 60311 54172 78594 18987 50847  
77166 56364 77995 77463 71927 57612 16652 08890 00144 55978  
04195 71564 70254 49896 88926 62644 21243 75263 30291 54123  
61978 95935 20104 42752 39572 39246 28887 25450 35174 68725  
38232 04887 10641 11220 45146 54930 54533 80593 49295 00649  
00854 65197 59105 92543 18984 71293 77643 79716 98250 39629  
54224 11641 75555 77337 12672 23244 79504 72360 92189 82968  
89494 82581 61750 08512 33156 16844 93973 79936 70635 50063  
09403 04820 39111 39599 27135 15149 56016 35088 82737 00641  
04382 98923 99377 08172 48745 79562 23127 62016 55075 04855  
58350 84561 13118 87582 64138 22208 84641 60383 97705 06132  
25984 82269 15710 02592 58362 83906 69403 32482 84367 43854  
54584 64808 74094 12947 02263 13772 69330 29014 20987 94163  
79258 89110 26772 14739 66091 71460 21555 14274 44088 24295  
06137 69977 40392 63771 38518 32966 91113 48157 73593 70460  
71115 20480 45127 19425 80912 36816 75953 81309 39154 22410  
27335 12594 54095 22819 23417 90823 72522 42260 11724 60820

29550 86351 45621 90750 47732 51442 99690 92756 58935 27700  
53950 87809 47399 08167 07869 19507 37422 20956 10086 46465  
74120 26777 14813 68026 70685 48986 00814 62949 20585 28338  
13929 45770 98144 19636 19077 70537 95941 72467 72651 36590  
72459 63196 51283 76072 08422 70427 97873 27884 95270 11108  
70858 27733 04199 79458 07629 68995 09192 55930 38050 14062  
62510 78363 09018 60860 46050 24405 00000 +++++

**12177/10671/8024 kHz, 30-11, 1015/1025/1035 UTC**

72605 23944 89534 62004 72050 11386 31638 66021 04873 65248  
80093 55872 51258 79219 42088 36206 53079 30790 20774 76280  
99085 50999 82747 41089 49272 89980 04530 17496 34326 57992  
96478 27589 91128 46635 27594 46421 20211 59915 99631 66336  
76136 09876 43969 75060 26718 56454 39670 39759 42025 96274  
76169 14227 99120 30044 09033 11421 13444 63256 82212 08504  
32801 19886 15252 76603 54890 73745 78863 52456 54295 27223  
07324 94144 29893 92060 21126 88093 08606 51867 58319 99526  
66439 25081 00000 00000 00000 00000 00000 00000 00000 00000

87803 24870 13712 05008 69478 19728 75003 19417 46031 48749  
70071 37818 19654 56475 64464 77187 96384 53922 92450 79736  
16663 65141 58525 64207 30520 96905 54640 55772 65835 73743  
04098 49231 63095 05485 68035 85205 75095 79516 75449 44007  
55016 94928 62690 86860 81326 80751 33372 99186 92927 65449  
74620 15623 32994 89882 90618 31464 24952 80909 39362 30221  
29006 27821 83582 81978 52687 28791 91769 92243 13833 99541  
50223 05965 79446 61396 72079 96417 28877 50918 14251 93644  
14750 18317 38207 32127 20088 06813 75551 22384 35066 30142  
84305 76189 01827 90404 06869 40085 00805 03418 65567 16880  
76988 23785 56736 79836 29563 26105 00000 +++++

F06 – FSK 200/1000
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Link 00000
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Rare priority indicator 44. Odd that it is used on link 00000

**13396/11123/9089 kHz, 11-11, 0830/0840/0850 UTC**

**13532/11514/9426 kHz, 11-11, 0930/0940/0950 UTC**

11144 00000 25869 10049 00769  
72136 82319 62549 70407 38236 78654 30144 50961 14135 89104  
47577 86599 20883 94853 44573 58117 14118 88091 86645 42863  
15616 40989 33999 44066 73986 22836 99713 35791 15046 55789  
65359 25470 56215 65614 36834 63504 06180 15886 30414 01392  
55119 60784 64584 63323 30629 96641 03164 55872 89655 94477  
89138 97151 57044 92528 05703 58240 53946 21090 98434 72791  
75978 27216 68174 18118 26512 59474 45919 21539 42098 68012  
59162 63808 93415 04724 49074 00000

**13396/11123/9089 kHz, 17-11, 0830/0840/0850 UTC**

**13531/11514/9426 kHz, 17-11, 0930/0940/0950 UTC**

11144 00000 96385 16050 00459  
48175 59073 89332 26425 63325 28077 12537 59450 07177 50238  
01246 92893 21144 66031 55413 99801 82724 29890 84078 43427  
49276 52655 32046 46642 70092 21151 51829 81527 07101 10252  
70834 31623 51078 17432 77447 10940 70307 29658 99930 10199  
64141 55249 77376 50043 00000

**13396/11123/9089 kHz, 18-11, 0830/0840/0850 UTC**

**13531/11514/9426 kHz, 18-11, 0930/0940/0950 UTC**

11144 00000 36428 17051 00399

04342 46174 18373 34516 03929 33999 73682 65812 52723 53036

07565 12565 15029 48666 28384 71252 86276 65048 71967 78608

91950 79861 90331 40312 18632 94683 14973 57788 05200 68011

13708 96248 86574 34098 13375 64035 23343 51037 00000

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**11123/9089 kHz, 15-11, 0850/0850 UTC**

11100 00000 43685 15047 00049 00000 00000 00000 00000

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**12208/8014 kHz, 15-11, 0800/0820 UTC**

11100 00000 15967 12014 02159

97043 78325 36874 73255 13009 24390 86182 53695 79515 52587

76099 00964 69430 95685 87632 80918 91108 65846 08514 41867

09310 77955 43622 35414 93165 08214 01664 18652 70885 86412

50324 98634 95887 45344 57058 05084 54046 75775 57705 02237

66733 60426 20137 75815 69356 85388 95103 56007 70065 52426

71475 62438 18329 40589 78071 82043 38053 90581 99249 15789

04948 10324 96460 55182 72814 25141 52943 74501 78444 21016

83753 49684 79821 54355 78312 39816 07316 26683 67657 92155

32544 47725 33594 56628 84603 35304 01930 20735 68350 25488

86968 00801 64415 91435 79474 50518 15654 94361 95269 72709

29696 15080 26671 45242 52313 39537 63944 97055 91254 96802

78963 95210 95279 72921 88266 28918 18035 49099 37694 01477

21497 37627 75796 66056 98640 14012 08194 66270 20047 68718

50090 67466 34109 26997 19111 89680 75552 10199 35663 78186

61933 37042 23004 72582 82819 88256 24201 60349 11335 83036

78175 25819 92743 40757 22017 30490 89789 26380 11755 85629

89449 02983 78768 03098 00802 39860 64038 35330 98697 49627

97411 40421 92921 52762 14074 33242 27526 93034 25418 08527

40027 52240 86494 46874 35155 37697 27232 39596 52840 40932

39609 93349 35128 90991 37982 00489 21704 50827 34734 86085

28719 30175 98444 67539 90606 13384 86779 87725 69572 25624

71251 07619 62450 14213 00000

**Monday-Friday schedule. Sends 2 messages on Monday, 7 on Tuesday, 1 on Wednesday, hex message on Thursday and 1 on Friday**

**3889/3744/3542 kHz, 16-11, 1700/1710/1720 UTC. 7 messages**

11100 00000 14758 15049 01029

09866 46906 03728 85328 02701 70901 16081 75288 25025 02838

65921 18148 21963 72516 98123 92651 34093 92073 94638 89870

98389 29463 85641 87709 14503 08597 93984 91912 43556 72082

92639 42018 31652 67494 79811 05686 75269 43122 01418 09845

70746 64128 75619 82092 15031 85045 99089 00787 49884 39573

39706 77265 66742 33582 45360 18636 14391 52291 23563 44560

76674 17534 71544 56495 12405 56063 61523 82795 74669 64829

10845 48149 51714 84168 91663 40751 96607 14832 59872 75680

37845 39814 07950 77901 88116 36888 71422 33333 93391 92814

43635 81417 89531 55137 78496 47636 58607 82522 85911 39401

49100 00000

11100 00000 25869 15050 01029

19868 73989 10015 48615 15836 57330 88266 67818 52657 50829

29577 77727 90371 37177 34878 95377 51042 86147 25278 62516

99444 76758 46621 37153 44542 23437 94069 85200 41463 04627

48882 33157 98643 17278 44604 67754 19843 05643 04821 93523

35699 37836 19695 84205 04535 28585 53456 88941 87077 31600

00030 79196 24799 50023 29006 47331 76559 38374 89125 92782

93226 94435 61469 56773 34988 64524 79546 91493 61012 10572

58464 74695 46167 12465 00362 05633 04479 04072 68312 43291

24010 66403 45856 72833 42853 26335 24377 11211 20933 34336  
85490 87866 87283 19637 70645 61481 67512 46282 55114 58689  
50100 00000

11100 00000 36958 15051 01029  
29290 01362 63949 32501 00604 29317 46114 82507 82803 82278  
26506 91191 03880 96171 39608 80251 93799 03131 32592 93049  
81838 86915 86142 17450 04561 91542 01384 39231 66623 94090  
07619 99507 21610 77586 70546 54578 65064 64937 05658 61671  
56919 99834 26503 38988 15515 85565 82495 73518 50373 17670  
65964 75031 25943 71389 93130 99703 73478 29833 88696 91815  
93258 63806 28730 16946 14323 99234 21548 85107 03909 33125  
31267 87271 43792 84002 73722 93695 15705 87748 39430 87512  
63023 74793 23301 32010 20915 89597 65763 95039 32123 38343  
35016 78989 90595 75797 05068 29762 80122 67271 09277 23197  
51100 00000

11100 00000 96352 15052 01029  
43619 51643 18585 46996 80532 45490 80982 58690 06960 64578  
47024 21098 76002 74782 22914 24399 09332 13345 14271 68735  
42887 11110 06055 07588 62514 64465 91024 33836 52981 74183  
32675 38164 08814 93331 73577 94539 80380 51470 25071 52411  
53674 47289 99242 40345 87221 26904 69120 10766 54551 89973  
68036 80505 65678 90844 64082 46838 66022 26897 70603 83683  
36203 31290 78659 47688 41160 12284 22402 48843 02017 06337  
13296 65348 89144 37155 04129 07401 59850 97891 68737 59594  
89133 98668 08402 56623 66942 46632 20831 71972 60379 50700  
92687 24280 64276 68217 01584 31070 88594 35683 38484 64533  
52100 00000

11100 00000 95136 15053 01029  
55348 52104 20865 87737 53282 41145 27274 47589 00463 61096  
69427 81177 36714 54897 56137 78148 13171 67750 36043 69847  
02357 16252 37027 95182 71248 72470 80350 40023 22018 86404  
86674 36069 30137 95247 16168 30135 34531 92918 09882 59774  
59472 58276 24582 96197 72900 65462 78227 40407 10853 24818  
48280 83491 22699 27799 90031 67022 16863 94327 67141 04487  
11718 46035 11564 49680 21350 53810 55066 23030 30866 33108  
99504 31745 40945 85445 18068 44769 86314 09531 04657 08444  
57837 30453 13605 13837 82900 20382 56907 51670 43797 09206  
51169 15776 38772 08549 31437 41037 15449 97602 74120 86722  
53100 00000

11100 00000 24851 15054 01029  
16941 56110 61532 96410 34087 86064 24897 43584 33710 63027  
04243 14459 66124 51930 66013 25113 06033 72839 18320 30041  
70605 10123 50557 88991 97433 20942 69608 16719 37022 16499  
99808 51582 39533 14466 38876 03923 40443 86054 86981 70173  
74823 46142 91151 23624 74914 59912 72188 17782 30691 64423  
26306 63271 18104 28568 18647 64205 24687 99844 10894 24966  
27205 11381 90141 63332 01056 47649 91233 90895 66081 92313  
29737 46694 98504 06646 87750 95011 63663 11931 19736 23269  
49229 74333 70554 00957 03604 15632 22893 85535 09184 98267  
16282 86249 45169 58154 04873 21783 19612 83673 46180 32710  
54100 00000

11100 00000 75319 15055 01029  
37402 10296 14796 64020 01705 62596 27790 74245 18073 65485  
21590 10636 89995 40096 95298 10865 91655 61410 19207 78315  
74605 35423 39378 98746 19872 03361 17484 33236 71384 52635  
04339 79572 11714 39231 70551 19294 66013 51193 42753 92563  
45128 67926 18826 68058 63807 94979 60567 00069 94939 79004  
87248 89989 45773 32578 18470 94397 67035 23578 39785 46894

30910 08794 89508 85907 38792 16464 90158 05640 44767 07428  
72958 72342 05757 69577 68849 73116 94248 25298 64439 89414  
34577 56583 46333 12442 48664 77516 82280 42640 22180 08796  
12573 40431 27040 34009 50140 20431 61200 42324 12765 06299  
55100 00000

### 3889/3744/3542 kHz, 17-11, 1700/1710/1720 UTC

Note how the serial-gc postamble indicates serial "56" and "000" groups in place of 1000.

11100 00000 13582 16056 10029  
27786 06259 75319 22681 87678 68077 44528 11000 49129 17095  
10833 10624 97826 63760 11519 08161 42662 06806 86602 10502  
27151 84090 01822 03532 41728 27844 93596 20702 85363 66494  
46909 76154 49936 40258 42024 42083 25786 22697 30996 75024  
51911 65409 29897 20752 59217 08059 37713 52487 80280 20927  
17828 22082 24049 72159 03046 28888 38918 36923 10089 35988  
12635 90633 74504 88470 82437 53454 41916 13453 53906 78257  
76563 06523 51930 99227 73062 34297 52243 83288 82331 07779  
66964 51566 87603 06204 82583 63043 91488 56064 73819 77618  
99993 94992 41798 40741 14463 75198 49984 56819 67365 86142  
56304 43585 62859 01139 64898 84601 08091 77565 45935 22102  
46142 65380 96938 57354 26584 03628 44051 50724 74560 09609  
06672 38638 44351 90428 73916 09628 68334 31589 66334 06642  
37304 42318 81307 47818 73075 62325 45586 82896 79305 59674  
23386 27467 81476 74451 53494 42235 91980 87924 13812 49496  
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07593 72557 81752 72661 92229 41960 08981 55463 67572 65479  
61286 93966 62043 33055 02510 53047 03413 75504 21579 26540  
81829 23429 45786 97365 19197 97851 12753 91113 05844 37296  
24530 40271 90400 90956 32252 01278 33857 32691 24812 91606  
63698 75488 19959 39055 89085 91116 81292 60416 63013 64632  
09560 11748 02366 38442 81713 77402 01830 25604 36163 90015  
02590 97049 27643 98642 01742 72428 00167 27218 13379 69238  
51464 90546 17259 89961 87375 59993 56020 51865 89617 96068  
66863 89165 45368 90099 58642 82249 12100 82167 70310 93628  
16113 47501 71643 15319 08195 68518 92188 57341 24838 34699  
89375 32009 28475 37474 91720 13720 25145 52324 78070 78909  
83041 25275 78816 55878 00379 05968 10021 39164 96011 94509  
76384 48154 21245 94268 04010 34620 16269 87826 88878 68876  
59672 78250 71991 59225 84447 62896 77108 84397 58939 31908  
72019 43674 56179 08620 39292 54360 60029 74038 67426 51314  
81584 42590 98359 68221 84259 81333 92253 05283 41014 89806  
95509 13029 72138 82713 22934 46918 37043 42630 90013 72442  
78491 34911 56215 25396 42710 01998 65268 57008 23819 79307  
93346 18637 06011 99884 41106 65682 01923 80021 30504 85449  
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73585 81112 37598 17817 50568 11121 15376 56619 50289 19038  
05310 77085 01833 98883 95548 85178 36058 85204 35063 81968  
14452 41074 92422 51303 36202 37217 70151 25301 34434 76928  
48074 94866 97540 46480 54118 57419 76548 95711 85981 19003  
64459 78471 32126 92995 58497 07620 65518 62570 41211 04265  
08570 99127 41349 45924 92694 53862 60473 43304 60946 64670  
76218 00374 87149 45568 58155 37430 09974 50825 57192 81840  
05394 30984 54445 56147 45955 22972 80515 18221 20302 41473  
41122 33153 11395 63761 10014 81579 56854 25177 75106 34107  
39871 67441 48779 46552 84127 06979 78268 55658 51148 15455  
17097 79994 63540 29708 43477 55716 02546 33264 36624 61875  
53344 76610 46912 14973 96554 28444 20823 37431 69361 75050  
66612 29682 44706 10018 71636 00560 01985 81476 07282 35675  
87687 89038 82421 08471 89414 47633 31349 63639 71710 60429  
47125 27586 47152 68018 96265 25641 81126 66066 75718 10685  
53740 08596 98063 32897 27295 39116 15872 05302 92760 16757  
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[illegible]

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96421 59504 00599 38046 27839 28093 03314 61688 52540 64813  
56795 97548 69334 12318 92356 67409 88182 00660 36507 60038  
09048 85295 19732 68851 78971 76208 40841 07413 38303 12826  
60327 69948 92038 64428 21154 29071 67180 60737 20435 87896  
42082 82358 80418 28748 58695 65786 92239 25619 53668 02636  
30845 12604 69228 37808 64564 25469 29787 96266 07741 58556  
95205 93113 89861 04201 26658 06654 39637 66867 26029 19138  
07455 69171 34784 54865 74649 91982 03254 70338 23030 15807  
66256 76159 63095 55612 86018 95343 44379 06312 48308 87759  
96364 41069 22729 95352 73394 29630 23120 87876 02034 68856  
28981 13782 54304 42657 53876 85982 95235 53501 71746 57163  
78172 92697 37067 64333 86273 41640 59798 47296 43636 21181  
21045 70742 44491 31357 40392 04640 73899 48617 30826 42606  
18389 72769 02198 62967 89974 40813 99151 62173 11990 49862  
84474 15263 40175 56329 03785 43073 17458 43574 92506 90867  
85858 75191 11072 48085 03966 76134 19277 63880 43416 08855  
25741 38164 62812 36650 73399 92805 82519 91410 46964 52712  
08786 87938 13302 91450 80607 52049 30654 21107 37788 54616  
87648 31077 33631 68771 58024 05468 40694 92431 82026 73796  
23047 03348 10392 74684 73474 38857 71872 37219 39056 17533  
50232 09688 83561 44916 81651 90353 60101 70519 08483 39976  
92465 88278 50289 80754 88601 97659 78101 11385 34643 67589  
02849 92920 42953 70414 13867 85114 52610 78057 28463 37944  
05764 37575 38435 67998 48316 68292 64512 74409 28352 47715  
54642 74031 90757 78388 87056 60539 91481 52908 64065 17142  
79843 59261 07512 37597 22362 93685 91818 35213 66515 73235  
75580 44529 67884 65246 17615 45357 29112 75876 88435 63870  
24116 64921 13066 30441 05991 79082 06143 98888 22043 20883  
85238 56858 84389 95413 73347 81983 69562 02103 26462 23552  
45548 63683 47198 14335 49721 09568 70378 42288 66073 55792  
31532 36801 75214 48739 54248 49181 75555 64812 17301 32069  
99121 83259 87508 47464 70437 74325 29249 58051 81904 69922  
26573 81515 84131 09011 78850 12535 14642 74873 55891 42130  
13387 66473 23479 29077 98528 71077 75247 03044 00904 30340  
31846 04160 80616 17030 93322 88704 74204 64588 55674 55583  
45802 16712 27491 73301 40749 89134 07633 12114 65074 60808  
09884 11033 39302 36668 45513 34388 00004 49163 99684 97629  
47550 90742 62656 67053 63486 94494 01693 63134 45971 05106  
58500 00000

**3889/3744/3542 kHz, 22-11, 1700/1710/1720 UTC**

11100 00000 74158 19059 03029  
97781 86176 25972 38095 09670 73553 03992 41194 26801 50486  
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16769 24684 34300 48425 53505 97305 63884 37627 50358 57947  
59838 35314 99386 61028 39834 32759 46476 58604 52309 87933  
35471 14790 17323 73577 67248 94887 40959 92936 97176 46416  
89196 92869 19383 14210 32188 29000 11283 56802 94889 62612  
36792 56250 74977 93970 31676 38621 13980 61748 19459 47292  
32576 63265 31341 36286 65991 75207 28555 75804 60425 79521  
50602 87159 16453 24179 37805 49285 90338 73488 01616 44017  
89196 27639 41108 32338 20934 16183 29111 78755 84919 95119  
16400 66018 14311 02286 27388 67354 05983 50734 45774 68410  
98982 64787 13552 56089 87468 88452 91848 16468 79052 20891  
57010 08988 34487 58622 30382 09099 49647 49156 65214 36547  
65726 85739 39140 11502 18595 97900 25650 05690 63260 17481  
43014 80750 34354 24847 04080 30975 28601 04966 15388 72632  
20193 68023 99038 47063 45008 14290 35755 29733 14623 47907  
52571 62424 46038 69291 03587 50769 18073 00831 17228 94295  
90351 25580 08446 41181 45824 43623 79302 84901 42767 75804

56359 44964 87184 69510 38332 98904 61567 86182 52430 57753  
70924 75266 42830 02125 92052 64268 39708 21163 36951 19610  
82284 21492 66345 57979 94304 98372 14240 12851 35399 86264  
09446 85870 76762 30959 05016 37792 74584 50487 51534 98653  
39671 76985 75182 01876 26700 96701 46531 71975 91534 30337  
50998 20582 90047 20907 96894 30438 16886 21306 22012 32079  
07612 98771 84679 02874 52660 98427 50237 43119 96554 33096  
08844 08868 20807 91567 85585 06189 33955 82519 28798 76532  
17159 56256 87545 27906 98804 71483 14213 91528 56548 99275  
53111 08669 70243 81444 01075 77341 74176 85493 50960 13557  
82061 23331 53990 06805 83227 25952 61889 74473 33431 91255  
34738 44870 88737 47201 25489 23550 55906 97478 77077 22634  
59300 00000

11100 00000 95173 19060 03029  
70881 44926 49748 51088 90055 01803 48069 56819 11495 83777  
86016 57927 28878 04812 36306 07523 30391 94005 60231 66053  
63158 86458 05728 10371 72364 87667 73109 81195 32286 97401  
78182 17384 11391 03977 67389 50449 38718 84889 64711 57786  
63710 74728 54981 98010 26691 86311 33319 76874 82170 95982  
75364 17179 42179 29005 07998 31132 31803 05992 85237 18588  
74109 36309 98999 39596 46666 69384 79413 34709 76818 39871  
64363 91477 67929 67590 42971 80583 73765 98199 02683 10027  
63208 95520 34654 70824 42493 21468 77134 72648 27149 64501  
01516 92847 80838 02571 70750 87273 63269 11450 24821 36375  
54393 54431 72940 24972 47040 14304 97190 79168 25216 53549  
97264 08823 70220 13703 31008 29028 61791 89810 30459 59030  
66448 40919 98055 22029 30242 22543 12709 94290 18073 52035  
00426 77017 66790 42814 49171 89409 44242 68371 72657 06351  
31469 41996 52746 89169 70236 23172 15146 82892 43079 86561  
18106 78448 78057 14530 58781 63249 95404 99140 26963 08584  
38262 64565 60854 67268 54673 45830 84595 79991 23050 84860  
32201 13779 38265 29741 87621 81034 00597 48135 95600 12580  
74675 90808 23021 83136 10645 66179 75427 12687 44723 11846  
98410 92152 21333 74028 18546 06824 04016 30847 03567 55984  
67288 20398 46462 92161 86657 59543 03196 28448 68956 64361  
38717 87316 90209 08205 60964 89390 33194 78278 47543 05584  
41904 16701 94766 21059 35098 56975 43753 84439 46103 91800  
63250 40715 81095 33176 93896 71274 13009 50726 83589 89503  
53281 99181 68654 65390 68625 70963 80508 77570 34998 34799  
82488 16245 45970 46310 66554 85427 17677 41518 64537 77935  
57535 49184 53624 21574 88923 82947 60771 19950 48997 99178  
95731 36357 01850 31491 67381 94154 34177 37862 63035 92096  
25664 21275 95436 58035 11254 09842 47112 89445 77506 07333  
66777 54195 60224 50057 97479 50013 35533 31029 41165 46088  
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**3889/3744/3542 kHz, 19-11, 1700/1710/1720 UTC. 7 messages**

11100 00000 64385 22061 01029  
31549 56961 35364 16033 47451 93849 42123 38675 91115 95589  
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16741 15351 19832 52838 63082 26408 58872 01863 52615 72606  
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42017 51096 82130 16022 56636 28314 18807 02252 51531 69072  
91833 02502 73192 03564 15807 82993 93914 74186 82391 75365  
13472 62693 89781 92733 83157 29151 31246 41159 06883 36146  
09938 62461 99000 56698 72168 69324 03568 89282 76320 58618  
04712 28441 39595 13882 82801 64374 29778 32907 96108 09995  
61100 00000

11100 00000 37648 22062 01029  
56873 65334 36748 49322 64659 03299 29453 65847 05148 59430  
00319 80106 20549 79126 23089 69595 17157 62974 21274 29759  
36730 17399 90159 27824 44376 87837 31421 19611 31379 66620  
61275 34024 56401 92744 78097 54909 73509 85728 00454 54957  
20444 80739 11481 61344 65589 57174 70546 57806 37068 77892  
78139 52818 82405 81265 04916 68575 32189 93265 20842 30471  
66183 51745 85372 61736 05311 60120 84606 12955 77954 12633  
26347 81124 34018 58380 29010 97954 05170 96307 65323 92093  
34722 18341 46740 54965 25573 42847 59520 64909 79651 05630  
88401 49311 27310 00610 88815 89399 70090 87419 93567 97421  
62100 00000

11100 00000 36958 22063 01029  
58995 38683 55724 73118 41971 25244 09738 63192 62191 24723  
44612 53002 28554 43783 79582 43285 42570 54126 68830 58343  
67724 58010 22842 21579 50877 14025 31031 37367 75407 21563  
77826 40223 50782 87407 69394 97187 68239 22902 13202 74377  
77270 45109 17592 03622 62594 80423 03573 10148 26299 94054  
45995 87232 04858 93831 86316 28763 75688 81754 84134 55646  
32952 51749 99672 97004 37277 57038 24417 12095 69103 95589  
02078 63885 40314 87057 07079 80231 43871 39675 72748 63583  
46112 30519 86403 35176 51420 47598 93521 24616 93942 67182  
78177 40827 36043 64843 11938 85274 78186 83599 88404 93412  
63100 00000

11100 00000 31285 22064 01029  
28131 56183 33180 64486 90723 86000 85589 38342 95117 63920  
56788 11632 94436 56804 62325 43230 63694 17918 34509 99634  
35161 82521 94153 82453 79540 92478 67347 80980 12623 48298  
39421 10819 32120 12059 63320 24467 14368 09647 64556 04819  
25571 05756 09920 77511 27291 50065 32164 03060 80861 18059  
27822 34707 80409 94902 70359 52946 69186 75832 05849 12625  
18881 81476 23349 63604 76611 11565 17179 30869 09281 85442  
83272 65066 99978 42855 16808 99380 76127 03408 03287 73699  
74049 08162 20262 11997 69650 91799 91899 63883 29904 58788  
63554 46249 64819 61986 88558 45942 84592 07130 44400 69423  
64100 00000

11100 00000 94623 22065 0102  
91144 15766 55729 87881 93213 39688 28482 13680 63982 30370  
65875 29526 32487 83648 77843 86391 07571 71141 57031 17730  
65221 83830 11055 02697 14007 96114 87168 41313 70333 48944  
52281 56456 87718 33111 93811 89988 36836 56308 39335 42881  
65521 30032 85504 41686 10462 44947 39201 46172 74809 55774  
26398 25505 78404 69327 46689 62782 89858 41772 73968 30288  
32191 73710 16212 70303 06260 24172 29853 18815 28681 57132  
76688 41974 43482 16617 63819 17633 89183 89014 39567 06824  
85549 93672 00850 62505 76705 65385 89983 15430 69857 04860  
31364 69480 91322 35745 31033 71303 34097 59336 84550 81597  
86510 00000

11100 00000 85132 22066 01029  
05418 25540 27242 84511 56081 72181 29726 56510 79872 39737  
58442 94512 40732 91918 27035 17212 59438 44219 45955 16771  
71393 21574 54504 37822 15362 70806 26813 26096 70353 13795  
81429 95107 82838 52302 49210 84362 51482 60397 79193 07489  
61591 25421 87155 13757 86445 23417 76528 11412 97716 39972  
86365 26263 52162 72414 46047 93962 46763 74283 41416 09411  
59519 28033 22015 81735 18069 56886 04141 68264 63329 11799  
49371 85949 00349 94442 23278 23665 53544 02179 64001 03818  
68531 05925 15371 66724 27714 96883 04268 76162 71841 63045  
66914 69565 44698 81423 53774 01280 03139 36938 67754 52317  
66100 00000

11100 00000 34986 22067 01029  
81889 17244 42638 71537 44723 74459 68842 27706 73862 74421  
03942 99469 13139 68683 42692 20543 05801 21903 25441 52995  
38843 27239 83878 59739 24157 05833 07188 79051 89925 57562  
64551 80847 80716 55245 44942 09372 89704 99494 00129 42008  
71457 76403 01854 18886 08725 85243 49099 22976 31673 28383  
86392 15366 12993 80587 19081 55390 87333 79910 36523 60323  
68474 07346 79121 84299 62708 47447 10142 21164 01834 47083  
78257 60936 44231 14528 81751 54577 17427 26073 70315 66738  
00616 32342 45390 21193 70544 81506 44967 68624 59226 01575  
23815 31474 96901 08958 65037 05515 38692 35488 83930 22867  
67100 00000

**3889/3744/3542 kHz, 24-11, 1700/1710/1720 UTC**

11100 00000 23598 23068 10029  
03629 16108 32350 44833 98786 27143 91401 97643 41507 88683  
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70216 11516 63048 73165 47363 68170 05112 98416 53284 21004  
09956 48568 46489 63240 21992 12154 77045 57187 87701 71264  
78821 64263 49504 89630 03645 84492 86984 37516 39527 16409  
60174 26867 80167 73312 34568 55159 37913 16805 92570 81361  
17354 93555 61052 82478 91765 86218 09708 64087 49558 14454  
99902 23321 02937 46984 88695 87730 75959 10618 17721 78462  
14174 07188 41631 71187 83023 74337 75766 53226 47213 51090  
67755 00301 48215 34141 22731 21352 22111 35811 36845 44858  
24954 79596 18766 45107 57832 94256 03864 31828 08833 92369  
90747 51660 54084 44302 54861 74857 85070 83525 18810 65696  
54403 04217 84121 60008 57231 37084 54111 98280 90491 14349  
02559 87756 57177 59828 67860 91982 07804 65051 77369 71229  
36286 37352 31590 22235 72379 30863 02928 90696 37908 96370  
28678 54958 58933 10939 02936 04319 51079 73272 97124 60422  
20187 75727 63821 15134 45481 88926 03573 83368 37458 19905  
99386 94299 87651 29733 48584 69372 52496 21548 46706 60589  
38447 34931 03159 47464 80566 07572 93276 16131 31750 90153  
76512 68994 04787 25403 35414 38402 34436 27230 15099 02750  
51714 20912 67900 28468 87577 30242 32881 86323 48181 22594  
04887 15478 28912 47828 72856 33731 59378 31994 32038 17405  
96545 11740 99833 99276 08196 20394 89932 58038 13920 61641  
24448 97671 75804 31734 88710 40227 56021 76172 58442 80399  
83493 91800 53971 75370 96838 10245 01187 68335 55758 23647  
03924 69162 38080 38603 57454 40614 64630 69281 57785 63580  
19127 05625 86441 79743 55273 17593 75426 35130 08253 81378  
82043 72974 52808 38531 28272 49337 75077 23927 84377 69918  
50405 23533 01451 71490 44280 47881 22558 96411 78620 32211  
27191 33630 30563 99207 88714 24637 55977 45274 49471 57794  
54857 36278 43272 99485 20808 23710 19917 35511 41789 17182  
51469 21181 44333 74219 24949 63536 98387 93272 51136 84137  
25005 20888 44184 35851 74045 08978 51713 72085 64086 83122  
40082 91899 01731 07852 64527 09434 22491 59827 78843 21086  
20449 44880 64315 68888 58868 19834 82559 23511 78953 05038  
81996 35322 48939 98581 12609 26968 20704 28088 28697 25885  
86081 01050 84306 60186 50080 39640 51022 66378 63167 10931  
12805 82318 79842 88456 17580 23870 35648 06067 90237 68686  
59842 90001 36757 95558 65889 80124 94122 52772 86981 76252  
05738 53895 48758 70527 27006 24460 96427 51750 90780 47946  
18461 92634 87364 84529 34069 55904 38743 61015 36624 80172  
71751 55399 10231 31549 19849 24504 61634 31909 08197 48112  
34634 99748 01720 88037 99223 64589 20853 85586 32606 40848  
54642 45824 34305 72114 25898 82102 42540 81782 88093 19276  
44058 90965 58678 79046 94610 89629 18516 95875 92264 71892  
32112 36902 70729 71414 68339 24295 04896 57834 26334 83494  
45761 80164 96254 65760 26948 68106 09595 18480 09980 27213  
58735 01668 60526 88826 90412 74088 72782 00755 02815 97454

84184 69593 00966 32119 47648 90653 90106 22715 53508 26421  
11747 97176 18353 19492 52081 27567 82949 50912 77457 26170  
86425 79876 76583 75267 08918 25695 14158 14049 99860 77997  
25613 31084 34111 46095 07665 35800 63083 83429 84343 07407  
53103 48072 53203 44687 28151 85184 41396 65119 59182 42395  
26298 26743 67225 54020 00367 71217 32432 55074 84930 11514  
26275 10995 22593 12669 09072 74039 02930 39048 60039 02269  
01183 66540 32040 02072 34625 83142 48240 80160 66288 26355  
82831 15979 10745 30831 93041 90452 21625 84718 94583 32030  
65561 18129 97762 65945 12247 72179 46409 77634 95292 22025  
26834 26261 23573 52349 38987 69266 47749 08722 47014 83899  
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86790 65497 90410 56750 46776 60719 35481 89311 57616 15158  
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20550 12167 45638 04910 60656 60477 10754 71631 16689 36254  
85186 08937 65921 81015 27283 37333 29818 71687 44701 85234  
76005 49216 31204 41638 25423 73048 32833 55776 94326 49938  
85676 94680 25857 10502 92397 94590 90835 31963 29722 67149  
62489 30535 04079 46319 94791 71858 97557 86963 59100 72953  
71397 51019 18785 94103 19181 42208 46533 44123 86916 75218  
14012 47446 02211 90304 08592 46458 79704 49221 56795 37528  
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50739 05244 49403 54306 53858 24382 53747 73868 13823 99709  
31625 88116 02636 97944 25207 25758 28066 54105 65409 95545  
79764 20814 12195 56543 24300 62236 18016 04096 78810 41091  
56595 82475 17956 72157 84222 60121 93857 40725 25761 28406  
73715 09424 02541 09888 24785 61872 44349 86963 01408 56577  
52674 86873 13783 89521 07413 83988 83156 88890 34228 05323  
13134 90353 74728 50207 31782 66359 26675 60054 84232 07865  
46389 99166 80447 81945 30562 32512 27859 13728 19637 11412  
03556 66066 89971 03075 45703 15417 26948 24917 68900 47340  
96233 69604 33137 20068 55372 31760 21064 69576 72889 72256  
03241 54598 47115 81060 96066 65016 41895 24532 42071 42074  
81378 88152 67260 83831 71088 50582 95191 34328 37439 50018  
22485 79858 02900 28764 85439 00827 38992 66965 72458 52595  
64309 41443 61954 73784 79734 70558 90433 45441 58061 31053  
80446 49534 30197 57797 83087 00193 35125 62392 14726 46145  
25837 31547 92677 67781 48401 91187 99471 17286 36368 47218  
30437 75268 87689 38891 04258 22345 16352 65697 41221 49086  
95895 73741 38822 52796 37028 12523 99411 94531 66491 98062  
89597 14820 99403 43319 36058 31506 22229 41823 87477 68163  
28591 15475 97280 86508 75099 62439 06847 21263 49387 66072  
33917 40880 67543 50827 95847 82609 43118 96065 22423 35293  
94913 43713 37908 68368 85716 60712 17018 30493 09186 42183  
44513 66240 67064 66254 33085 24293 03918 36489 79232 55585  
68000 00000

**3889/3744/3542 kHz, 25-11, 1700/1710/1720 UTC**

Hex-file with clear text header

File 44469. Header: 44400 00000 93458 24069 00009

**3889/3744/3542 kHz, 26-11, 1700/1710/1720 UTC**

11100 00000 36418 25070 05029  
81459 08395 56847 69694 20264 96899 84594 98502 34500 18166  
36950 68442 15133 26696 59846 51233 06095 43788 42950 86108  
33016 19932 25397 77217 34004 07454 52791 47381 72160 41866  
77664 09130 34530 55333 20575 38966 47152 70707 34044 65785  
60923 49571 36512 09394 87940 92720 08496 30065 93026 16526  
68143 75068 70111 53607 68377 33101 58172 51266 82794 32579  
76407 66110 72534 44701 83334 78305 51287 77249 89506 73891  
90632 70033 78524 68603 32903 27946 16043 71640 03746 52549  
51442 12802 41592 58130 41879 81448 86191 83171 53370 50717  
93433 33165 18632 85420 68614 15716 56327 57085 35350 53867  
81444 14546 82327 88578 61461 83552 55065 06315 98009 93813  
84892 52658 38704 56919 72314 17900 48844 43580 66961 05541  
97663 33627 11309 19635 38812 37187 40355 31928 89775 10507  
54441 14706 39897 14827 07407 50315 41704 91768 77255 53276  
65226 53661 11543 65926 19985 12245 64646 13545 74345 94189  
69122 29885 26927 16878 08330 89047 09740 22863 82518 04652  
27760 96468 85550 82214 64608 10952 34461 35701 09036 79665  
19040 04170 81890 09669 63614 29450 68270 81207 18233 80794  
84531 01526 21421 37441 34849 06415 01723 65023 37017 07962  
10182 46766 22172 11931 00979 55403 38135 53202 02395 76753  
11050 22720 45300 20898 45009 84379 41341 81891 64359 05301  
28032 31942 28366 47901 22919 61010 72933 97244 54023 97744  
59059 22063 58732 72713 32715 92917 68341 09848 25845 05921  
20425 57055 53156 85468 66228 91924 84406 64405 65266 63470  
96861 65076 84315 55842 37622 29690 42988 84954 50492 73437  
73081 63958 47094 58806 83871 98495 26908 14513 50566 97682  
75920 47514 68079 11749 98574 21514 37331 32277 62715 00417  
76247 15972 62202 80152 72666 17912 26889 57329 21314 45200  
34652 08127 12058 66971 05164 75893 61612 41679 80079 90864  
05893 47607 19353 70449 95200 27542 68336 73519 59424 83543  
75383 07147 35453 82743 64615 09209 73980 60131 93564 55318  
67893 29234 50353 63505 69426 36654 70119 95090 88278 21392  
75372 75184 87872 64882 69950 81257 21941 42704 41288 73211  
78639 13876 50668 63393 24366 08696 16151 49985 64467 01044  
17863 62219 63036 76106 80345 90831 88974 29441 11628 02225  
80511 58325 03741 59745 45371 31332 24331 00533 38767 47066  
54087 41378 86420 17990 49644 12013 44781 40299 36668 39288  
15647 35753 62809 30657 57366 76430 65193 30426 59801 28327  
32166 47187 75259 74732 63950 75880 22566 05343 61926 62929  
06459 82021 01204 87869 19521 17162 66193 59929 18804 25589  
53841 52982 94353 35927 74239 27318 71816 72381 03274 11670  
16317 42869 67025 43929 29787 94429 62583 93990 58945 21864  
44979 17167 56106 40528 34921 11601 60009 59231 27014 78125  
88854 14163 03157 05998 62732 49796 80803 32952 97636 57698  
50776 53008 38248 09190 84308 70465 21669 42795 14030 23535  
89312 92404 18546 26026 89113 67103 65333 00548 35266 18599  
91613 01648 17665 57181 27911 52326 78242 02153 93964 42371  
96385 77678 21700 61948 50629 89971 84931 68875 48794 46770  
40495 13036 43783 05041 10496 66349 77197 57830 60348 31749  
17985 96230 52316 29605 88279 07364 79216 85021 93654 94351  
70500 00000

**3889/3744/3542 kHz, 29-11, 1700/1710/1720 UTC**

11100 00000 58174 26071 03029  
89165 62954 75757 49504 44177 58582 17588 81313 37497 01529  
38950 45792 70784 35218 07628 10155 96585 79783 86271 72591  
05538 61820 49923 93634 01947 86035 13009 74893 16182 90977  
76750 39825 27332 56040 32914 96259 94539 51919 84848 85341  
20477 51712 71754 46589 95378 44855 07094 53747 95086 21075  
67121 01143 31530 16555 90430 45196 79084 39482 74484 30817  
25255 17192 80052 57334 19100 32070 79494 63671 15860 38422

09831 37448 41209 77474 16537 77693 23569 32724 98994 65861  
67934 92789 93541 24831 69635 13985 55059 70586 91479 99776  
23032 86258 52711 39333 83009 73217 03225 72329 59432 58905  
81465 72227 00725 66087 79467 65182 42624 73226 63449 26793  
60661 20655 23417 23869 47746 42229 50213 93403 77781 27166  
63435 75940 41255 41741 38678 45524 63735 65539 07527 03419  
43223 21939 28746 27787 67284 07525 54086 96510 95900 50118  
37173 25340 20989 50098 58885 88569 38513 84720 67684 14420  
94132 80107 58317 72306 88321 80602 37340 94199 51903 70174  
48890 97248 27925 25563 59154 99864 20825 05843 22965 48450  
98814 08113 80960 96955 60432 43974 60753 06460 01181 16503  
80533 56952 41208 02399 78556 88521 99962 68993 16948 14108  
28753 80813 33257 71042 37159 75379 38205 03535 74225 12931  
83062 93303 50380 29765 45092 80545 11013 49876 04497 42418  
97650 34584 11306 21233 57668 74836 65643 19542 88469 55875  
59813 04308 27084 48957 55636 87338 21107 09806 95475 74186  
41926 88495 70402 98685 26168 80445 93910 85325 56310 73214  
54654 06639 16389 68787 46611 27806 83735 86031 00133 55641  
42697 73023 62311 34173 31259 83919 00098 53985 56516 00069  
24608 67520 39931 00053 60070 27523 78315 08334 05823 90822  
31470 77207 64827 54627 72420 81745 37120 17528 61194 32408  
01641 82401 28064 35025 34879 43389 77204 52827 39772 24145  
46693 50210 83303 59548 85805 22933 66213 38056 35521 44424  
71300 00000

11100 00000 37496 26072 03029  
92273 83628 77651 40992 83590 50029 94184 23536 81940 01076  
01668 01024 63787 52561 21436 66922 05424 05751 33804 67801  
39678 99663 83261 48056 73267 66587 99779 75192 06981 01751  
90918 19121 25882 83091 84426 83882 51723 02058 26008 15266  
74749 91393 61962 32732 07086 60817 61370 59096 24893 76560  
57515 46400 91482 45688 13237 21417 78578 91141 39894 99212  
27901 28439 24628 38225 20284 79979 45616 35273 44485 87876  
79999 83950 82903 11264 34177 44836 56370 19021 51143 00952  
95212 13832 74575 96921 28775 48542 74335 85252 10580 20729  
63089 28183 21330 56437 58731 28538 16922 19009 72292 88022  
13669 03956 26021 16396 27921 05791 31335 39961 12263 67785  
81319 82809 55483 50563 37463 19255 38504 80480 15322 20898  
63448 63737 98794 46759 98045 77137 37699 49911 02553 71455  
08339 99051 31384 48331 41744 38467 26638 96642 49274 34794  
45699 99286 00275 84051 90115 46310 31469 77352 27934 15318  
92778 48752 26675 05115 59255 53661 39139 33499 63814 51257  
09243 35158 30454 89345 90048 20599 12657 15094 91199 82047  
66645 60085 97925 57262 14198 73122 28834 87194 74695 99228  
24642 28432 71096 28275 85060 06372 39527 61668 96014 20039  
97170 70554 14373 34520 48145 43950 02396 21921 32055 50268  
29063 36800 44910 60645 80503 37012 87090 07529 46675 85898  
18058 76963 76513 96765 22479 57989 18720 05583 17478 97624  
90387 82838 55678 34839 40637 20504 03736 11974 01468 55017  
01052 87044 43001 12254 28343 95348 75305 85398 40767 33842  
63988 81668 45284 66694 51750 98821 26945 75480 03082 17384  
53790 02436 14289 19544 15056 60213 56039 70637 72359 06589  
40623 24173 28569 07539 31097 36327 44032 37133 34515 00848  
54854 87693 46434 40313 72916 88625 38866 14665 72323 57397  
08885 32974 91956 31069 30057 79359 08836 51840 73897 89009  
61962 05029 93530 35236 31344 32930 86745 13499 01878 72998  
72300 00000

**3889/3744/3542 kHz, 30-11, 1700/1710/1720 UTC**

7 Messages. Damaged waveform on all transmissions. Undecodable



**20288/18404/16266 kHz, 10-11/11-11, 0900/0910/0920 UTC**

11166 00052 12657 10096 02339  
 51204 15646 26989 20993 60593 47158 51037 91936 36120 25515  
 28786 24086 05774 17527 04715 66960 55728 42391 90307 30494  
 97245 99195 70345 60249 41412 34768 10861 20932 59483 19025  
 04685 67891 59141 20048 15539 11301 24143 96040 06587 02702  
 65773 46376 64404 98588 59559 88903 54302 80749 65677 55726  
 67915 38016 56483 24612 49040 39133 99609 28240 08607 51435  
 70075 08468 64769 84997 89824 07806 69018 66978 18152 15285  
 04273 75812 41444 08904 65877 89959 35671 61852 61452 30894  
 00075 04684 90525 05017 85479 60642 89885 74180 65676 96307  
 55599 09517 25303 54774 77626 08253 62674 63528 47962 78198  
 30987 34223 28264 19607 66334 96533 87878 59074 75991 33283  
 48225 15184 85373 09026 94451 00578 67134 09276 40330 90135  
 00829 32561 57295 09961 36577 02512 03595 26852 61175 92133  
 14466 42947 90075 77502 39289 25236 33694 63013 36648 24622  
 11465 45421 63240 64221 12088 08829 17574 01589 23406 67814  
 24385 94553 80348 00906 70712 25363 04377 41560 29577 62806  
 32873 18855 32192 67021 61911 65080 74642 66660 50835 32402  
 69984 63103 62099 85803 81681 41422 34797 64479 99332 92754  
 15319 28874 42624 77803 93578 35557 04433 86128 18238 07113  
 69037 70936 89377 89235 66360 64034 52048 12228 48177 00656  
 39132 99073 97250 08834 36963 87278 05293 43015 72139 56679  
 80731 66594 42958 80381 72184 13066 43926 41044 18601 80480  
 56763 79675 62003 38877 06360 69132 83755 55407 05102 29530  
 50312 96231 00000

**20288/18404/16266 kHz, 24-11/25-11, 0900/0910/0920 UTC**

11166 00052 25769 24097 01859  
 90253 73671 28685 00724 07514 08177 38620 19395 36120 69699  
 95635 59971 78380 96381 52718 73792 39822 16746 77651 00632  
 17985 92903 12802 86373 87568 99795 15073 01555 06316 26405  
 05736 09233 48090 09889 84794 55608 49714 38542 89605 81825  
 63777 84560 02413 80423 34578 52519 36495 44833 39404 54514  
 55624 85388 62327 47896 06502 10280 92712 96551 68876 94882  
 65612 41641 53020 87902 86252 92758 99263 27777 05779 75434  
 59258 67765 40466 95924 63675 33172 51573 09224 06013 59130  
 28022 01232 97198 82393 39107 21031 70694 85569 49402 24181  
 42760 17229 13069 13004 57598 36335 89739 84767 72030 54425  
 49181 23723 59429 73979 56902 97919 37568 46427 57916 46755  
 50078 98214 00830 70170 56221 98373 69453 55457 08637 66038  
 14120 02591 23774 41335 99891 34035 74680 68094 13861 99967  
 60846 61809 98708 14842 34786 61293 04725 86237 90042 87461  
 77474 21938 40309 57679 23295 26160 44348 29118 19811 20892  
 56402 69546 63658 53254 06778 79006 72602 74840 42293 10804  
 84238 03971 81277 65251 18459 06786 62806 54600 95882 58130  
 94868 62611 29423 68157 31137 47181 31195 85595 31050 59477  
 01933 13611 82874 97183 00000

**10536/8174/7318 kHz, 02-11, 1650/1700/1710 UTC**

11166 10053 92457 02001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 09-11, 1650/1700/1710 UTC**

11166 10053 15973 09022 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 16-11, 1650/1700/1710 UTC**

11166 10053 78612 16001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 23-11, 1650/1700/1710 UTC**

11166 10053 12584 23001 00049 00000 00000 00000 00000

**10536/8174/7318 kHz, 30-11, 1650/1700/1710 UTC**

11166 10053 72341 30001 00049 00000 00000 00000 00000

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**10644/8159/7438 kHz, 07-11, 1530/1540/1550 UTC**

11166 10053 34521 07001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 14-11, 1530/1540/1550 UTC**

11166 10053 69874 14001 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 21-11, 1530/1540/1550 UTC**

11166 10053 95123 21070 00049 00000 00000 00000 00000

**10644/8159/7438 kHz, 28-11, 1530/1540/1550 UTC**

11166 10053 78541 28001 00049 00000 00000 00000 00000

Link 40122
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**20082/18207/16141 kHz, 03-11/04-11, 0600/0610/0620 UTC**

11166 40122 28461 30072 03709  
16769 42334 72499 72650 33127 24670 05954 44012 86474 54488  
72293 71232 46563 06784 52719 66434 79639 15997 10423 75534  
40071 52863 68586 36981 07764 30266 33399 65580 51071 36530  
54281 22371 19879 19600 38499 56457 98555 70524 62368 29761  
73447 79702 46221 60621 94615 64319 85333 47173 36505 90409  
53999 56455 87211 37990 24925 90173 21067 82690 71162 63067  
34197 92332 42733 54804 47770 61883 35149 21353 08595 35227  
92028 76762 41777 87190 08963 81292 35115 64259 30852 96826  
59917 07421 59885 95509 57935 05582 16345 32542 49095 52979  
19440 19077 39720 09040 80337 56147 35928 84112 24598 15569  
91892 99528 86183 78752 47652 95399 40244 69365 36163 84619  
66850 40773 64269 76491 62884 04210 97298 18420 44250 08605  
01944 29109 05610 08011 27147 21697 29827 77558 27650 40280  
64302 63897 59912 58239 06393 81033 05076 11835 65101 87524  
98675 67477 91216 05954 71765 46144 93111 70629 33169 53348  
80356 14445 47520 88117 02366 30832 88801 29416 74245 71760  
74048 23440 07034 67692 06929 20236 84528 80467 85861 33066  
53883 25016 56380 18973 22152 20873 12422 03965 75993 59405  
76228 01271 66693 97703 11546 96105 27714 15069 49816 95364  
16950 93036 34046 65708 00875 04873 10030 08453 22776 25479  
19635 44727 22251 97645 75817 09310 98168 15595 24069 76600  
32269 11736 19970 67157 15601 57589 77551 08238 44971 14811  
68140 46780 81609 97236 74378 38264 89223 29918 29114 59891  
93632 16057 93834 21512 31180 47786 56341 72752 78092 21749  
52349 29763 77992 45381 40701 70038 09734 44871 86884 68739  
62768 10709 34530 74956 12208 41768 69594 51350 10787 73870  
06896 25613 39909 03750 53714 27178 86956 44370 30117 07628  
41063 72526 50715 68223 24527 54666 97539 43006 02059 61880  
38701 10900 35048 09977 72559 35254 73037 85603 02054 54270  
99586 44335 68898 70741 74727 91672 02336 14545 41179 82893  
62121 76326 86529 02680 80436 35819 78549 10478 32416 33218  
15854 62510 89971 57069 61066 46393 38612 47093 48706 89278  
61931 35391 84955 25480 23460 74465 81521 34500 00577 25495  
90759 85412 50146 05302 34255 48525 10592 15447 42051 60262  
70074 01891 44710 52219 55479 18661 85390 80296 21885 93957  
44133 14890 47211 22141 91540 78033 61730 30033 14042 38469  
67125 90973 77922 00550 24794 85068 24316 47941 72368 00000

**20082/18207/16141 kHz, 10-11/11-11, 0600/0610/0620 UTC**

11166 40122 96521 06073 03069  
63810 17282 34069 05322 23976 83226 04517 36875 56736 14094  
54636 68628 32503 34084 41143 37745 80040 76748 55398 94071  
88784 65302 68738 45536 29605 85234 39232 10686 11228 35121  
09554 26784 14476 66618 50647 86913 71539 49539 30891 04524  
82449 22972 15432 28851 85941 18371 25378 59659 26910 65552  
11555 34737 87626 17549 22487 88579 74916 55234 71312 05702  
80476 57683 31311 17023 56533 49185 14726 12749 74013 58858  
14586 70199 55423 53798 14192 20009 99621 31696 93968 99152  
40678 83871 90377 64221 08000 64652 86552 63382 79908 28036  
39373 90483 47875 17579 72646 69707 33574 20439 91088 44242  
25965 21525 94797 67384 30577 18670 98901 19531 48189 84789  
88064 99474 25093 87940 60554 63467 42125 05232 41538 10462  
34657 91517 70306 36993 60726 88819 91117 10120 59502 87399  
02331 31868 67275 74438 43536 93626 83143 31247 25360 43908  
01603 64945 31628 17937 54214 85562 48588 02483 27542 64471  
00859 34394 49551 35121 98817 56253 61644 21979 27093 77601  
18534 08648 28859 15166 83136 81065 65622 10535 08667 06751  
57177 48696 25133 36018 31435 25914 72414 36098 38791 40338  
47099 94116 10743 03820 55292 49848 67423 98348 88557 44194  
03753 25558 65198 94327 08895 22737 04054 31432 98689 43779  
23003 61967 65777 28511 79363 38424 77071 08844 94377 50474  
73292 25166 28957 72476 50231 51442 02892 28265 26453 52427  
74705 59162 27092 21460 24337 06147 38470 72245 05846 42127  
13187 83094 62321 15243 30397 17032 20191 89144 40939 66224  
05104 91177 52028 94160 46590 04420 31177 74025 63676 64501  
34048 46701 48639 47145 85915 46835 91102 57372 71429 70415  
09643 56302 12373 82276 83105 86487 38083 87000 98823 81721  
78248 11619 59901 72259 32751 73579 18786 21381 98245 32397  
29283 54247 56164 48441 34225 64966 51842 97279 30962 12838  
19433 13037 81886 43673 32318 59185 62149 97172 83696 50221  
61781 86259 27026 72651 73304 00000

11166 40122 63254 06074 02429  
28914 51448 11665 94755 66568 63983 50638 46013 79303 82447  
79694 88935 51948 84960 34334 00516 41908 95741 96558 70333  
69911 57560 50898 49427 08108 91008 74513 69569 20228 14030  
28572 68901 33474 20130 43082 84843 46840 38726 12371 00234  
05544 26057 43391 53623 96258 60100 24052 49669 42839 37929  
03754 30568 07213 98946 03322 94452 25144 22441 96511 71710  
31547 72890 30298 95138 55028 91459 76112 24888 86371 57129  
29224 14139 50618 65889 98454 26419 37460 01433 53421 40536  
69620 95794 21467 04034 13899 03373 51508 21131 64598 36760  
86945 86056 53983 37828 14859 97750 69492 82512 83644 16832  
82366 42717 06312 50802 17395 53788 91603 78405 18461 60994  
70134 49080 89573 43446 07742 18455 16082 38893 23230 05815  
95744 17840 52690 84469 34352 80414 27601 40983 85594 74430  
58877 64176 39843 58074 44062 49861 91556 55658 39864 32226  
39979 79888 67196 77828 02834 19056 40935 03116 47684 12624  
41569 01423 70669 63618 70928 90374 77279 61282 59188 15645  
44874 12416 15324 71989 71630 04848 38215 27513 41596 51469  
30580 62087 60549 88277 82926 55870 42347 24858 19718 88862  
50442 70743 24924 37434 24274 86093 89159 78759 45203 30125  
45594 39105 21685 05734 86811 46898 98370 23749 79823 76520  
18819 35250 21403 93758 96516 05388 00955 38858 73872 27148  
63070 08106 73903 98494 87000 19892 74270 11329 25192 76174  
58377 25700 68104 55298 23193 27711 27478 97093 48518 94551  
55250 66205 57345 15096 40301 04571 22038 39508 50222 09005  
74240 00000

**20082/18207/16141 kHz, 17-11, 0600/0610/0620 UTC**

11166 40122 25179 17069 00049 00000 00000 00000 00000

**20082/18207/16141 kHz, 24-11/25-11, 0600/0610/0620 UTC**

11166 40122 14539 20075 03179

14571 84693 16185 76200 04922 95975 34585 99913 90943 07786  
24312 12782 30623 53883 48282 74956 27634 42164 68609 85168  
91414 73795 36027 96582 60230 77293 54025 06200 91917 80974  
34865 03731 51988 72228 89691 90869 53780 17044 19908 06930  
30355 38224 02008 21753 42816 75732 83049 81850 54740 77607  
28973 20694 27412 94870 92920 69112 15544 78892 95778 26725  
68172 04625 36103 80336 64423 68150 71638 80254 38817 31995  
39591 10450 75822 16621 07877 13495 78330 61556 74499 56241  
39744 04586 57267 47139 74363 52450 41028 41168 85769 41482  
74611 93293 77874 11627 34668 46406 38337 42271 98583 64656  
49034 23337 93670 48157 03263 60054 14810 89947 34372 34875  
27747 61203 85512 74942 00208 35588 75175 98572 28041 88713  
38230 39171 48570 33631 47135 70034 58331 78294 43006 78465  
77401 15938 31246 62639 27495 84297 21403 49665 16007 54614  
15958 58276 43220 36373 77728 54584 74824 08684 30569 74338  
46967 14276 73060 10130 96009 77019 09877 86965 30174 28919  
30517 74671 85276 57524 90078 10536 31726 09679 71783 30656  
24982 12562 35916 33407 16658 97948 84884 23478 68456 40632  
99075 09913 36122 46944 23206 56593 15600 54306 07838 08599  
34865 79044 68990 78726 26301 77895 25792 46469 38673 82955  
41620 50809 49156 93270 52499 50848 23161 60371 13519 84207  
34707 58920 95818 70733 78697 16834 80949 03016 17279 15813  
07276 97164 27465 98222 48118 02278 42217 41253 26322 92034  
02176 84310 94941 86860 60217 20560 38724 80086 06032 88568  
76077 66566 02914 24993 66220 97151 53936 64219 51191 07505  
39717 95936 87412 94644 94951 16541 46485 39706 15898 35331  
89919 00305 16014 21426 47469 20990 71922 02344 53773 35186  
26894 50179 22983 57083 44040 16310 66065 86903 26403 00581  
80471 77985 46119 65902 66850 39122 49861 34184 52509 70588  
32732 24568 26290 57301 97802 19873 14571 67540 43489 72205  
53054 30683 45939 83666 34056 92366 28631 23093 33966 70541  
36370 64773 50565 60833 55858 75315 00000

Link 60070

**9277/8074/7412 kHz, 09-11, 0030/0040/0050 UTC**

11166 60070 15973 09001 00049 00000 00000 00000 00000

**9277/8074/7412 kHz, 16-11, 0030/0040/0050 UTC**

11166 60070 57678 16013 00049 00000 00000 00000 00000

**9277/8074/7412 kHz, 23-11, 0030/0040/0050 UTC**

11166 60070 45932 23001 00049 00000 00000 00000 00000

**9277/8074/7412 kHz, 30-11, 0030/0040/0050 UTC**

11166 60070 35719 30077 00049 00000 00000 00000 00000

Link 70059

**8174/7316/5929 kHz, 01-11, 0500/0510/0520 UTC**

11166 70059 78451 01001 00049 00000 00000 00000 00000

**8174/7316/5929 kHz, 15-11, 0500/0510/0520 UTC**

11166 70059 89632 15001 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 01-11, 0700/0710/0720 UTC****10231/8081/6869 kHz, 01-11, 1200/1210/1220 UTC**

11166 70202 36958 29031 02219

99423 00171 46734 05232 08866 21457 75011 13187 68098 48012  
25261 79440 12581 27412 61803 32797 97346 64886 36049 31660  
96123 12642 01879 84652 23202 72955 99856 15483 76489 07230  
71246 76731 25208 68186 87739 42250 90646 97394 07840 32866  
93416 55319 95858 55069 65659 76075 64435 57383 51622 64077  
26533 34091 45054 74767 67844 31013 36860 46623 75546 33030  
71435 76606 84336 38026 35144 56275 25697 46943 25351 10708  
91316 24643 73463 07466 46608 11248 20415 27749 55263 88672  
68021 16953 00781 31998 54667 56807 15901 00418 28728 26281  
55894 47406 18198 43447 76630 54821 19942 05491 03369 20618  
57011 69051 01214 54863 77466 38082 83163 63736 93141 51414  
16697 26211 81786 87224 14833 93093 01024 26571 22596 63117  
87562 43216 34835 15775 40105 11887 06322 05570 09376 52197  
40079 47391 43720 50391 64861 47684 63714 26111 37737 61105  
64201 36367 32709 77361 67221 33911 01297 67903 74248 22182  
16044 47178 91184 74027 32862 28115 24547 06378 33162 76539  
72278 28073 31713 94195 57633 03007 61153 85077 79556 95807  
69107 84740 78013 92212 88832 57296 37693 11347 69338 89763  
78529 52074 75919 38474 06477 40626 97034 07219 22976 71683  
18469 61810 16551 60106 50719 10775 84968 45488 20547 06825  
61408 16739 62613 48837 43062 48872 72166 89001 45630 69178  
04688 74824 32115 94995 33461 80695 89381 10237 00974 31219  
00000

**12177/10156/8138 kHz, 02-11, 0700/0710/0720 UTC****10231/8081/6869 kHz, 02-11, 1200/1210/1220 UTC**

11166 70202 45392 01032 01779

73998 96105 71475 78080 12847 85133 12725 75706 12057 07598  
12085 82603 71544 02596 37675 77530 50892 72026 93892 31963  
29920 02169 23043 86995 36922 23635 98864 89708 74275 58141  
54133 99953 96090 25533 09538 03479 17606 09504 96015 92342  
61009 05435 87725 98553 67368 98816 87862 91862 29363 47653  
34481 77660 24507 67328 18536 55907 53550 41339 31309 27031  
13729 06345 83422 55744 61588 84977 62624 28701 45024 64839  
22520 66944 09262 47128 19464 79070 06442 13330 39769 66060  
63513 83416 84448 13704 88109 63986 03649 33559 17102 09778  
97993 38387 37514 47004 29001 62996 34494 31946 05770 66431  
46016 43221 40126 76452 29016 31201 87412 62229 66631 72979  
15112 46207 71251 06357 66486 91057 63048 41251 11425 22673  
28688 72004 01690 75132 89904 38996 72740 68573 36620 13007  
59325 55915 04310 00787 17036 99369 00291 95237 67001 62666  
08620 18672 05920 29946 28297 32573 48600 87248 24457 12294  
95221 27535 97233 10138 40481 65184 97988 55256 66826 70899  
47593 63794 88951 62960 36446 57740 41762 15762 10916 15887  
28969 71578 75899 05375 74532 32175 00000

11166 70202 83741 01033 01919

98604 94335 24471 06600 69761 49339 97070 64831 73683 15894  
80080 08705 25359 76719 01041 20627 35327 52070 73997 09673  
18173 35939 49252 04082 73768 96020 81959 38000 39709 29642  
80507 37138 38377 92834 20628 33053 67073 44732 36156 60717  
04652 74498 22395 19093 33093 02955 13019 99363 97461 76104  
16436 10547 52679 92739 22575 57143 70542 33314 16012 48533  
05448 82280 56385 44795 42232 61065 12030 68635 74585 13877  
57775 38126 87467 13537 72841 99922 41966 79514 99764 67663  
86027 25358 50303 95226 39517 77705 69246 39548 27021 34068  
92076 92662 56841 51571 57415 87687 69630 83830 60186 08405  
05078 08179 56449 57152 60109 10392 55821 60705 37024 19132

62438 18825 05016 07290 50392 25176 23500 02398 84567 15298  
00710 73320 22837 21304 85967 85400 60538 38021 19096 41246  
03172 30228 85394 49354 78257 35704 49614 87753 22298 43762  
67377 54849 03763 53959 97479 24670 68058 44669 63502 48688  
15400 06205 38180 71419 47537 18184 48965 51971 44259 75811  
28214 08738 55622 94786 56441 29432 20846 49500 72082 13630  
49799 24226 46196 40025 28021 81989 45537 75582 31218 80792  
32459 68762 60170 91898 75063 94026 31987 99843 66038 33189  
00000

**12177/10156/8138 kHz, 03-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 03-11, 1200/1210/1220 UTC**

11166 70202 15483 02034 02379  
13854 05789 61233 30105 21809 87473 28712 10350 75073 02978  
96957 29321 79260 73600 13653 06372 10800 54811 97712 18959  
46402 52302 63323 41601 51601 33462 21034 70088 95565 70189  
35590 29392 84371 73996 45188 88694 29920 09330 71846 31986  
96674 96058 77574 57673 93439 37052 46035 05620 02323 31800  
94373 35073 62111 61998 44923 01902 48215 60054 11445 08589  
16394 96429 79623 25422 02426 46775 86473 06301 94933 24783  
28371 47623 23536 91707 52373 63667 29521 78472 10542 76918  
11224 81322 81929 46771 61303 16945 91932 85054 38096 47997  
83701 31806 38245 14988 21278 89734 62778 35441 29170 40822  
93840 56281 98028 93479 24248 70378 11135 33718 07072 33199  
71370 78750 17422 40477 33364 56481 43624 52871 70502 59310  
49990 78527 31492 45683 78341 49484 66157 87846 80505 52873  
25169 89218 98941 02835 63376 19837 37714 64092 01456 43300  
90973 63135 25530 33662 21149 47922 29477 05696 04034 82070  
29595 06979 82957 84445 06319 45229 99221 50101 52677 49336  
90994 13513 34174 87514 77852 40018 89782 91036 73151 56430  
28742 56952 91419 56744 02842 28263 42950 43881 58879 74969  
32803 93397 00986 24437 06372 50113 17496 14514 08734 93585  
52065 67841 49946 33362 23704 10795 93499 19967 25429 85485  
10089 82534 56216 28276 63913 29054 65941 13224 23682 70138  
17994 83917 15514 52269 99260 22120 59917 11457 32149 26668  
60038 83243 68362 01067 33375 29988 69087 73206 04124 71380  
01308 95652 98366 29115 04909 34235 00000

**12177/10156/8138 kHz, 04-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 04-11, 1200/1210/1220 UTC**

11166 70202 39521 03035 01799  
06205 30259 43752 01578 88730 70678 16749 80726 53618 32556  
71824 77015 02035 21504 10938 44756 03068 45625 62965 45094  
21304 97175 10738 74983 30453 64396 68972 50552 98929 03211  
61505 87056 58359 23477 71290 42597 90923 69472 61582 17799  
96489 99305 91749 28626 25472 92945 76160 94542 88339 43544  
59560 09179 77738 11756 07403 85714 64130 47727 34552 94152  
50922 10450 20806 32674 99988 39166 86670 00264 63558 56513  
27824 62794 83373 08091 31716 29754 43077 68145 24727 83804  
84760 66050 23336 30358 25605 13283 87725 59369 35565 35564  
01269 36509 62019 39875 24334 65930 12331 71015 95836 91800  
30257 37403 80989 30790 27149 10803 88682 52702 53864 29660  
06919 51445 24348 60741 29768 73512 26806 98765 74253 96177  
83416 08704 10616 72577 44514 40447 54400 85885 28185 70524  
93795 79746 41201 50559 50657 57172 42256 67147 98672 65084  
33406 42858 87078 06683 90684 33023 43396 48836 69804 98025  
53595 16685 47905 55757 43146 92630 87261 43942 07381 61911  
31914 47009 64617 71948 73137 67207 30467 97643 44698 44641  
36771 29829 33839 55921 43613 29044 18914 35177 00000

11166 70202 29347 03036 01959  
98854 23829 98669 88743 73663 72023 62638 84817 41332 77636  
80850 95648 39575 15342 32214 18497 43232 77095 40249 64675  
52499 57013 16237 69092 09376 77369 07952 27623 53272 10393  
27386 29501 51720 75546 55920 76917 67110 16993 50372 09011  
45411 90911 98359 72447 37790 17379 96423 05759 91088 76474  
49333 29649 68079 53321 14031 60438 83444 61737 36632 88842  
66417 01187 55939 91267 86020 26722 71890 65818 99839 36596  
02390 10195 12269 07245 76954 83673 53165 30314 40612 20360  
12855 31434 66497 85895 94420 75404 00567 94808 69211 87509  
86889 30700 46520 45623 46937 36448 93344 22803 11314 66617  
65198 85069 27372 19264 33886 74033 91132 89325 23189 29087  
76975 10777 88400 28827 63505 79741 00650 56405 79054 75753  
21940 18493 15255 23349 81850 72544 82105 61172 91844 42049  
02988 10795 58096 24462 73058 62427 78805 21492 29458 19714  
36910 46448 06771 70794 24159 88318 76184 77823 57459 37279  
91767 02140 73451 01307 92321 07257 12241 68611 32233 06883  
26235 95532 39771 50145 75006 24633 26256 61205 92130 62644  
94553 75459 34942 72961 20318 39512 53126 62388 04426 67094  
37102 66791 20040 68143 32133 65382 02744 93200 29085 78291  
57170 60335 67793 36193 00000

**12177/10156/8138 kHz, 05-11, 0700/0710/0720 UTC**

11166 70202 15736 05042 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 08-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 08-11, 1200/1210/1220 UTC**

11166 70202 41895 05037 02739  
12747 61818 33703 01565 87074 90787 40875 27459 58806 21204  
53993 09466 07073 34440 83513 92807 97698 33234 86165 51341  
26022 99517 72856 20830 51990 13675 23705 67861 13490 64911  
58640 36588 28826 07426 37007 40499 24306 42066 84605 91393  
47855 28168 71621 82742 54610 55249 89859 69646 75414 29260  
02743 12551 04167 53072 66492 76921 64954 05888 45949 06069  
44910 51270 73447 09299 03723 28464 24203 32587 95754 06720  
06637 03956 65689 07276 91082 70753 03649 22718 25308 71002  
70730 88381 10285 06033 30879 85498 34663 06561 50056 80761  
91359 09418 48624 32012 24724 87110 17892 14717 81703 97393  
36761 48945 65450 45066 49404 31514 14807 73143 89917 02997  
58108 25621 64883 04288 14739 49010 29780 02400 42882 24825  
20175 90187 56895 50213 23645 89693 62750 08926 03354 13777  
84987 99801 09226 65751 83595 14956 37660 81679 84285 84870  
25708 45048 70572 32563 90673 28480 11111 04021 51051 42190  
20729 67100 89749 93871 78579 96066 45545 89683 51871 83962  
43689 31054 98590 50002 01615 86959 47678 34169 70679 46384  
80072 96207 99876 80647 59074 61201 32465 70272 83471 78913  
71439 76100 61842 89090 74784 59329 31498 09908 66460 80163  
70490 91749 74042 29768 76115 03502 28954 75204 08372 43563  
90246 22052 21784 92737 77839 24382 34053 51221 26182 96790  
04952 26850 94251 08168 23925 66806 92845 61890 29799 49975  
15092 92126 11077 82126 81119 30951 60226 61118 32833 25934  
80409 04307 39709 12918 68100 55356 01578 73650 20006 12620  
59312 32975 37748 46303 49360 75248 28742 96573 63061 84697  
26692 69821 96697 39380 80161 75249 03191 13449 82646 68981  
81403 67406 42588 97883 63975 31030 16764 60271 89633 08667  
55495 37271 00000

**12177/10156/8138 kHz, 09-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 09-11, 1200/1210/1220 UTC**

11166 70202 15478 08038 01739  
47099 62733 54198 84454 57754 46100 80757 62279 53961 72205  
84972 93498 69269 87286 65483 83589 67468 67296 62091 06732  
70315 50298 86467 03095 62706 56059 88895 56292 98723 10049  
46983 80707 57004 14007 87288 73368 18851 30297 75794 10059  
67551 72200 38162 90355 32311 17366 95715 61279 25263 86585  
28080 74247 44974 55095 98416 55015 44899 88576 02204 91288  
90207 21059 25474 67706 51431 16896 23477 02869 08365 84022  
55678 68107 62656 30657 38050 92675 82530 82655 98585 85062  
28072 03699 46965 25092 30516 85492 94327 06529 23984 00179  
84078 34843 53092 32142 19663 09849 04880 31398 00251 47893  
38490 55750 00279 23276 11044 93899 53765 33601 23140 86709  
29353 18744 32426 88792 07015 88110 08665 37621 92351 35894  
28755 22346 29431 49003 35119 69506 98089 37349 05912 87823  
06660 41195 10485 39266 16030 95231 48540 28566 55997 54086  
96411 28390 19842 08943 08918 82330 48062 49960 50211 52924  
37204 54184 52074 06875 34731 03630 23094 54674 05862 63230  
57153 86795 83317 73336 14670 73669 35927 36452 75035 21609  
17000 38171 00000

11166 70202 36598 08039 01939

77785 15518 19741 19565 41743 40509 61647 68441 55794 23866  
67661 63313 47434 34775 17284 44534 07661 49389 72119 99301  
43336 31391 72427 13166 78475 57180 56818 37259 34147 34127  
47281 82186 41677 85335 66732 74517 68834 99341 81268 36801  
63704 68197 84318 77068 45908 62359 64869 98737 99893 15848  
26974 66866 49944 20080 52704 91688 21629 49848 25753 15382  
19357 69849 57871 12984 74736 95233 85320 43411 45422 04578  
27533 11520 69136 28754 25169 27126 02555 64103 99751 71944  
99741 83367 02078 10378 09826 42812 41576 05082 98602 08979  
13822 23259 23742 53504 68373 44613 18310 89438 84135 06900  
62264 47513 44422 50009 46640 15778 28922 44528 60084 91067  
64741 15705 52455 15705 03716 98770 55146 97914 18181 86534  
62850 39347 32390 55212 06423 18184 31756 79408 71554 01240  
17121 72196 42933 83505 96230 11240 78574 78573 29599 36880  
44023 08377 72960 33132 61098 65682 83487 27540 50884 47778  
81970 70802 75640 84786 88133 82129 09329 11045 71295 71261  
91440 52988 83532 73077 43812 31978 67566 55747 55114 05507  
56533 88348 62708 95217 07844 78901 86548 75179 38305 18744  
94829 18856 52706 94198 06052 28196 83044 51458 57204 93303  
80584 39191 00000

**12177/10156/8138 kHz, 10-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 10-11, 1200/1210/1220 UTC**

11166 70202 14758 09040 02219  
33039 74514 26312 00115 31693 69935 25397 61599 50184 21527  
98098 94043 33167 20613 16248 07653 61915 99805 49129 54978  
04827 04289 13646 50491 59041 18663 02318 79318 37863 22804  
56293 31075 83668 75155 75578 19725 10994 46902 83650 75428  
09479 55461 88662 19289 61368 70723 08406 56947 53248 92491  
51244 51970 86710 22543 70180 64950 17626 79759 32259 69273  
78723 31765 70491 79483 65153 41498 10484 53177 87731 52167  
88962 52379 23540 59025 06379 75316 18583 41389 80785 94555  
22184 53362 95169 62408 57798 96676 55431 69574 59950 24103  
01188 67934 31965 46872 36608 93445 04190 44527 73448 50071  
97391 00661 03478 40681 21016 12969 42495 55866 61000 51056  
13111 56597 36824 60435 58481 11671 32481 36151 04201 75876  
31070 14475 10507 19822 07684 56101 82024 47363 60288 19288  
27204 61563 83273 46372 84655 65125 13371 12103 58572 06236  
02623 07232 30417 05757 98085 55787 39067 26700 32964 89488  
46604 71928 58853 27716 31934 21016 73786 36490 79434 42200



25769 64890 54795 40378 96486 82357 85266 27070 94877 65303  
86482 23291 15262 06485 03056 31278 39695 45558 55128 35997  
89263 44276 08068 22368 53981 54735 07498 19162 55994 54140  
46841 05484 25768 44506 59578 40800 95955 40733 53394 04430  
42626 95507 28410 55454 28546 34448 46686 48971 28194 99951  
45177 69629 39210 27160 09334 68393 09949 00498 49539 40219  
00000

**12177/10156/8138 kHz, 11-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 11-11, 1200/1210/1220 UTC**

11166 70202 35798 10041 01759  
02479 59356 60900 10681 76229 44083 93214 59673 78531 43375  
33926 11365 11932 56453 86650 96302 66535 95741 97943 44506  
53646 98790 35714 71277 03564 61015 71640 83031 63475 68915  
66027 95331 56387 38471 78543 80319 87025 88407 53270 85727  
05648 03001 51512 92661 65706 64133 30793 04338 36291 57262  
93481 82969 55294 81015 53487 76980 34244 15076 94452 05740  
50727 26060 17898 94005 89349 16073 04734 73261 17168 43625  
38596 92133 04538 71597 64435 03081 27302 21949 80793 17538  
11265 41849 89211 46708 04896 10920 49208 70182 91185 44286  
12253 99581 74602 71103 33187 29407 04087 93272 82524 92277  
18013 54011 08066 60763 22066 70976 19264 62971 35962 13629  
92790 04104 69960 29518 22719 11148 17088 49185 63785 42911  
72030 24367 41143 32562 12627 79179 25067 54890 04883 78993  
94034 35451 17476 46654 34616 43801 56655 80766 51631 37996  
57497 55713 86987 52547 92444 08099 70651 47029 83068 39305  
52184 57508 25987 88849 86285 17999 68889 58236 70772 44126  
97586 89970 60441 96178 20039 31452 05247 63746 58295 38405  
86231 39128 84276 41173 00000

11166 70202 54736 10042 01999  
74763 64092 10806 39658 60070 66543 64268 21125 78698 18807  
34383 81591 60099 69091 41950 98864 37320 77723 39059 60716  
60814 29955 91897 72664 06103 18020 09748 96716 36222 97102  
43610 38249 04884 44932 02902 23224 11313 79667 63649 32926  
42665 15777 66630 88401 64991 62593 28888 01799 48670 95227  
17067 36782 39251 52537 55998 45224 09648 41833 70984 72349  
54610 55010 87197 47526 13427 25795 34665 02883 31785 82784  
32237 86954 98723 77989 49016 65532 19627 95536 66646 26900  
11191 70243 90936 33664 29295 70745 86223 88348 65726 26854  
30936 04942 74689 05845 17781 03598 15030 67361 47001 70661  
19131 51616 86133 51215 24400 80579 94710 66339 28291 76844  
37342 72252 52799 29860 33606 03550 29369 64208 18207 67700  
40148 89623 09808 83006 76524 37435 12009 77204 00890 13127  
94879 88901 22556 19695 30501 39027 23785 31492 80949 64492  
96830 23253 62153 31252 77975 83976 32075 68934 89462 70363  
76641 94252 25284 79494 91862 15369 41746 45423 85589 34399  
38768 89396 47329 90258 42831 78365 59566 09018 27529 71488  
49027 53974 32656 59310 01323 92607 67762 25304 87405 22629  
11126 84463 75284 24294 40065 78632 25429 31168 53542 33265  
93298 36545 72989 05290 87445 77697 32285 42197 00000

**12177/10156/8138 kHz, 12-11, 0700/0710/0720 UTC**

11166 70202 75183 12073 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 15-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 15-11, 1200/1210/1220 UTC**

67043 22405 00543 72201 32058 47665 74928 20394 33539 53672  
77963 00477 58001 93787 55337 10306 16770 09858 17436 82546  
51852 80356 73781 25631 84494 81897 34375 99196 36095 12569  
20106 34927 76178 50525 49450 38741 77093 46261 93608 35272  
80148 72021 17300 40569 02860 76777 47379 73948 41989 20200  
36485 44958 52084 84086 13882 76366 04187 84651 40708 49126

54404 34151 11795 80249 77035 25240 71267 69533 41930 36542  
34093 76060 40779 82835 30775 10439 92015 58309 17386 53683  
79015 46319 18110 38708 01286 94093 92502 55349 43337 75812  
44635 64861 90906 92500 16330 34823 49239 82179 31656 30387  
43109 38710 84892 22825 03260 62762 89129 01285 68964 93351  
27698 98715 61381 93378 75629 67883 07406 87613 83313 68426  
18683 76557 39554 50884 55502 74617 56208 48633 30230 46040  
41589 13672 29983 37031 54835 57192 63231 27512 58415 80869  
60010 50935 10970 09817 80434 55604 67673 63137 11201 05943  
80296 23007 54770 47130 14173 88235 40904 81565 24240 23232  
15259 30578 57353 38323 84718 79832 73056 62354 24150 31858  
99996 93514 74273 14153 70168 39316 85329 16286 98183 81683  
86245 54438 97745 28065 83961 86832 52511 34521 22636 28468  
83548 11732 57389 38615 80548 49834 22293 79503 89009 23065  
97282 69634 70550 60107 03684 80160 78570 91109 83039 47773  
16417 07300 38922 02524 70267 94132 46430 34033 33904 23908  
59036 44511 67568 18807 67498 62031 58086 20265 90496 12498  
72456 25640 01708 73740 22068 43235 00000

**12177/10156/8138 kHz, 16-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 16-11, 1200/1210/1220 UTC**

11166 70202 36958 15044 01819  
65933 64114 77563 35706 96627 56029 70682 75552 99847 55621  
03975 08029 39079 69941 35817 15622 54773 16261 02639 05833  
86265 75407 04357 32140 45352 03407 81329 72482 77464 81110  
81244 57452 71383 06498 39382 65384 03421 59342 20701 26520  
27011 92929 97178 03451 43657 32517 58835 40008 16152 85208  
81897 95809 10028 90955 02516 08624 74170 69347 69500 51766  
96519 41901 74484 78698 95814 34515 82977 72015 35310 89795  
14728 39027 69394 43932 46840 21098 59071 47804 38090 08952  
17208 37025 97858 81116 69524 80586 48143 07701 42225 62818  
52060 86693 12244 78321 07304 04969 81013 44587 27967 41183  
57712 61978 63198 52759 62922 75754 26091 14133 88627 19845  
31282 98465 75509 47038 64671 19994 93453 75295 33707 79211  
36222 04853 71674 78080 66226 85819 94435 97432 70325 40952  
33030 53783 12610 73289 90612 77713 95082 13337 97124 81029  
62199 85490 60177 04876 10185 98391 35545 65993 87077 88887  
65737 43312 94432 74294 60069 72057 26619 92653 14677 37572  
08661 35658 95907 86023 18542 03942 35532 94200 04925 39429  
11201 65573 36217 14407 10604 44819 41924 82039 02753 44179  
00000

11166 70202 14758 15045 02139  
60766 52565 91932 71536 12794 07374 07217 93509 47221 86199  
54213 90008 23117 61891 59744 82997 64641 01912 69394 16788  
50253 58098 15088 89642 39509 44421 22597 85097 98398 07406  
82441 20169 09154 18928 32591 52652 75466 46056 26430 14680  
59055 77632 84411 64746 08517 12279 52842 75370 66398 37516  
18227 98590 65435 54685 50629 76486 49878 29357 74457 88896  
82863 71915 90144 55539 25753 78007 95137 34712 00381 83539  
77637 85761 70152 13917 81538 87508 00930 32205 65991 29821  
87630 15906 08034 20517 57499 17035 21723 74783 85968 85186  
92214 79312 86053 58276 48216 48319 57230 50642 21259 13651  
04711 93200 65220 16166 65071 05342 34547 90557 99171 03248  
44592 60840 38286 74323 62532 88656 94403 72429 02283 41601  
70619 13608 21853 73763 32567 76974 46585 35654 26817 40481  
66704 55717 57194 06228 82625 60616 54931 95011 96452 26469  
03621 14801 73103 78230 04877 32825 19503 79413 95666 05966  
55284 79319 53234 49129 73419 09982 48563 46308 14244 50002  
34305 33988 01287 97470 78131 11624 12359 19151 77416 58840  
84332 68130 16219 64067 75047 87105 50476 94279 30791 39505  
32370 60549 32766 35633 09777 59073 21023 46013 61763 92387  
19246 19136 56050 00437 08880 45783 39386 56201 25990 37119  
96772 05558 79326 08745 40468 56065 13012 87893 14721 44369  
62299 45211 00000

**12177/10156/8138 kHz, 17-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 17-11, 1200/1210/1220 UTC**

11166 70202 37564 16046 02159  
91772 41380 50245 60834 80778 18854 42693 62845 61468 34333  
74694 68030 74126 35516 91054 07038 80092 44497 54273 27493  
68145 33470 41799 74040 23495 13418 08234 93098 20303 40481  
35910 79512 23681 69684 22290 07280 12096 10716 77610 11556  
56121 65448 31231 14111 14481 51883 70100 09427 33303 44204  
57795 53642 59551 83639 07559 23495 04537 39806 07783 37491  
18474 27233 23373 56455 62009 06746 21422 05671 85658 26403  
94642 85788 53090 81673 80990 64684 69195 99530 02916 67474  
98884 76172 74679 06853 87533 23033 51179 20951 19040 00784  
16710 10906 72406 46015 37108 95323 62799 20277 23705 23818  
78016 36168 82549 16829 46306 40173 47301 23890 96463 56914  
19271 17545 96159 24522 63017 65090 79421 75809 30951 45350  
99217 44924 15376 02640 66072 04191 51418 55138 58656 60802  
19263 99841 17284 68073 19149 81276 56265 30925 17552 16178  
56037 10300 88003 91313 21015 56184 94966 76635 14111 23938  
94223 20949 03849 53612 48200 22298 85007 16932 79671 90234  
58747 61660 12283 42179 83134 07997 71323 01043 30027 76721  
43196 86310 09233 53768 17010 15773 45899 20901 56744 60077  
22058 07203 77411 17314 18271 41042 23668 99799 16309 07225  
74297 50257 48803 39001 21014 29577 06808 99625 95018 43352  
41211 33164 39749 99365 18929 89210 53252 13223 19824 51230  
48631 04321 85281 46213 00000

**12177/10156/8138 kHz, 18-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 18-11, 1200/1210/1220 UTC**

37965 50894 25184 70342 17272 45401 17542 81172 66123 10729  
87337 34896 03300 63518 06418 08991 82370 77541 48308 69397  
99616 42096 73923 67829 24328 32213 76359 34493 06140 64117  
51959 02152 39119 34387 89831 22477 87268 66231 97015 60626  
01147 11342 01482 78970 80286 80747 00139 45933 61109 03106  
44068 30850 35006 33880 78133 70815 26283 63824 77185 20428  
84667 00236 46030 20388 72039 19379 75354 45882 48093 13559  
70795 20687 84618 81249 97349 07936 63075 33725 06289 13480  
35157 16638 36795 62786 51034 69977 09480 37314 84957 74832  
53993 81287 12913 60425 37902 14829 22014 69822 89015 14374  
56323 07783 28370 46305 28783 19169 56033 64748 53948 71362  
56937 09470 81209 39122 18909 64803 33189 15317 80107 65554  
79000 95984 48029 60808 97062 13131 57296 71594 07147 13733  
58390 03332 76351 08363 54541 98990 28696 37882 28937 43927  
13001 31638 29463 58306 08777 55604 03143 38061 74768 73892  
97475 30328 69875 72093 70854 54290 01121 15861 79251 03368  
78353 43188 31368 89694 80383 13822 29424 16817 62225 64231  
37775 91553 58141 41590 46559 10953 60180 15193 22540 85280  
76882 88756 64355 82991 01856 62034 04340 08598 46899 15184  
24115 49394 19362 14328 76149 51967 48436 47197 00000

11166 70202 25874 17048 02059  
12282 10011 13387 24249 75140 70935 73727 17325 61353 26002  
68185 80853 13234 46715 28974 24318 95253 15754 46116 56013  
14784 74445 23593 57530 63254 72299 45739 09508 13657 98272  
52338 60838 35334 98465 45841 58522 11990 09930 79156 80350  
73861 65275 97435 37608 79990 47766 32309 39986 11524 01595  
71997 39888 61994 27015 55736 98315 35507 15031 65960 39525  
88770 01319 16675 86643 77923 44080 61458 95426 96072 55503  
69528 28348 12496 41528 43317 36210 49445 29600 75980 39463  
57481 89096 72293 26412 75280 74120 81361 10516 84855 43343  
14574 13948 98120 36581 47270 69615 35742 12809 27511 58825  
84212 79272 40438 26783 42088 66416 01619 43104 91313 28287  
77845 99542 54598 73119 58811 62105 24747 53788 28093 19755  
76914 72800 06901 96876 99702 81538 69012 21705 06042 78419

50335 67897 09797 35671 01540 11435 79031 09412 57191 70044  
01874 12712 19828 17332 25910 56337 82416 88802 57061 86853  
37619 21967 28858 76779 47323 97720 78074 46480 70855 75174  
87639 22491 75328 37131 82773 61941 76551 88393 91283 97795  
83948 74099 03963 84571 47910 10252 96013 49236 33038 43648  
95452 76967 65688 83399 09424 86468 29285 71206 44357 74510  
05814 82600 80913 34416 86951 76328 89652 78139 03256 34065  
98363 16665 44866 48203 00000

**12177/10156/8138 kHz, 19-11, 0700/0710/0720 UTC**

11166 70202 75183 19031 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 22-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 22-11, 1200/1210/1220 UTC**

11166 70202 54817 19049 02219  
31220 55306 26596 17520 70537 82609 77914 54286 85989 71792  
52489 15676 61599 23518 31342 70354 33439 56884 78692 58043  
68256 21334 95245 24720 83223 14129 99312 96979 61480 76826  
02954 31489 43172 69200 75327 00478 96652 44039 10433 99205  
99563 71262 41432 86335 84454 84786 68749 93158 28648 50590  
94117 62596 93023 79397 77777 03936 39422 32436 61007 74219  
81345 93699 21165 22231 47649 07145 51448 56018 63905 02273  
82538 19893 81135 56524 88339 91831 06588 67930 42969 37235  
16255 36458 21225 79960 53821 77471 59681 76589 45717 15777  
20625 04844 86980 33662 26013 02110 77597 71375 53624 14989  
14032 03490 12628 45827 65605 39577 40707 07152 90435 22644  
89976 19955 70611 23751 93841 16765 71289 56266 32008 35441  
53415 58182 35820 14622 94730 15940 01127 26778 98777 28189  
00841 09800 96581 32931 14408 83051 70686 46483 16346 58845  
56252 87682 91057 85250 98882 85797 66105 81200 73884 95555  
81122 49815 96634 67746 34558 80884 78753 48821 75449 78450  
09761 07942 32390 74422 68914 14903 96900 14172 96902 17368  
03378 25026 82100 90868 72811 03618 41048 59988 12468 83019  
97872 14175 88702 65597 92307 66623 15118 32526 71020 29657  
23237 65902 41932 05058 07881 44392 96202 12770 64440 98354  
27592 06417 60238 35368 03856 49083 07151 72114 69898 47776  
27691 33539 87334 70022 31737 05238 40176 91031 46091 49219  
00000

**12177/10156/8138 kHz, 23-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 23-11, 1200/1210/1220 UTC**

11166 70202 19735 22050 01979  
71768 89799 57422 61498 29894 27894 02717 49496 14527 59326  
26509 28075 37830 89515 53915 87927 53834 66414 88731 43222  
84328 28741 48362 75003 79630 28539 70335 32505 68890 01477  
57582 28308 79641 83348 54677 88289 31281 96202 72221 42286  
32150 52531 01559 66426 34931 50968 87010 13051 30020 61928  
47817 89177 81582 26628 66974 69433 35970 17910 89154 54397  
57186 36340 94891 10293 69096 39982 43229 50963 09054 31305  
00009 48069 22649 49661 93989 80451 54252 42760 67997 58585  
13050 15590 17261 85071 19254 80217 32168 37104 60173 54901  
87579 81841 10837 85960 45931 60633 98860 90838 66279 03023  
18230 45786 36505 56481 21704 66622 70830 42795 46514 55992  
39879 77057 53059 15568 25422 10189 81267 46626 17027 80932  
54327 87449 92796 88262 84467 60971 51361 20137 60475 31121  
87341 99534 21639 91293 27450 33721 47808 33383 69423 77664  
20249 70830 90976 47559 32993 14097 20967 45377 59357 22034  
89947 80399 03334 77555 02302 98647 90517 61067 97156 56173  
78293 20096 90241 97127 89922 58537 13897 22551 02268 93974  
97419 60828 41802 56498 54917 75739 68610 27474 72879 73046  
53073 41683 14637 91546 74902 01280 83906 89546 99238 75004  
14605 62677 09480 81090 79116 50195 00000

11166 70202 64379 22051 01879  
20167 32247 89541 34520 47179 50515 98384 73571 53252 18060  
37516 53912 66557 83518 64066 05897 37381 65878 85734 06860  
21615 65671 85537 48618 37003 39951 65406 99202 90574 33212  
69569 63525 00708 81463 73660 72652 62261 31635 50479 56381  
28211 43494 48357 78811 06222 66281 43058 41575 93604 07231  
49141 84452 99086 34175 01753 38017 24838 79426 44743 08037  
07189 37104 86092 96288 39471 71114 06538 87491 25435 75959  
32374 57042 36660 57567 08347 79230 72416 26323 31583 40646  
45399 19506 32493 88428 41781 95298 13582 68087 29018 65566  
82109 30545 09849 59601 37535 13116 45920 36004 99686 24096  
99478 84895 88588 85647 66573 87657 91884 14681 00187 26374  
80801 46406 46757 60162 60582 30252 44511 10600 66326 52830  
57050 23407 40185 67642 40632 98591 50836 36213 68575 06245  
41180 10333 61237 30157 15204 10106 94990 06460 99935 77482  
88641 49478 43436 09968 90731 81970 34764 04198 16150 11954  
56849 64059 05504 23297 08218 53057 05678 72275 54499 95594  
95023 07267 95653 56883 01617 53773 59864 56138 88013 31979  
60027 92770 00954 98994 73770 90253 09441 33015 32955 87352  
79635 01544 33575 31402 60011 51185 00000

**12177/10156/8138 kHz, 24-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 24-11, 1200/1210/1220 UTC**

11166 70202 25497 23052 02479  
36515 22023 26059 92609 01679 75890 52724 98014 16327 23482  
43581 22570 19266 83020 85726 56617 11493 80959 93715 59439  
96914 49307 64979 80077 05194 33612 88459 44268 45156 53766  
17404 62171 62211 84837 42261 36596 98207 50104 24612 76394  
77167 43484 78068 44723 65341 23551 07090 96855 79014 46310  
39638 87232 38503 28946 14627 50433 91781 61697 10087 85767  
56175 10078 22996 00165 51561 74609 36700 89050 23500 00265  
36880 59901 79758 52805 61980 28160 88640 04197 99055 40205  
12577 94299 60959 03053 75401 61014 05821 25495 86763 56072  
84746 00337 72097 88651 28676 82447 81602 64029 10340 42294  
76664 09418 42251 99646 17154 04216 96671 67157 98035 56832  
58486 58478 08747 95276 46924 40628 13751 63714 67065 35280  
77725 42164 77074 98657 83826 31519 82089 34742 18436 71103  
90706 21461 20874 80918 95009 54554 21470 45799 60060 38800  
16466 83641 33808 81301 53159 64902 13341 66499 23753 75559  
28426 17618 91316 40713 28270 74223 96331 51020 82441 40580  
17226 59149 31891 84498 83360 38437 51003 91358 63887 20952  
06627 02990 80928 57122 25008 96114 20508 64151 02581 80018  
39673 55373 21531 18151 93245 67771 56092 03340 28643 29809  
80501 41306 22198 36797 14544 22166 55421 25957 67642 84608  
54646 68382 67412 02439 42488 20086 83637 48169 74550 99309  
83576 13352 59839 82295 79570 90333 88286 34703 54867 45127  
13855 20852 78602 36080 66640 57991 45881 58035 92414 07770  
03898 16666 43052 22111 50023 62671 66266 85653 12808 40528  
68106 21977 51823 31477 46641 52245 00000

**12177/10156/8138 kHz, 25-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 25-11, 1200/1210/1220 UTC**

11166 70202 65214 24053 01939  
89356 87595 49931 62942 87812 01980 00634 51659 13952 78165  
72574 84289 31107 80736 03296 96676 34096 36789 68298 41385  
36108 39100 40621 04394 45918 00955 08736 13292 02624 98572  
32426 35420 60082 62067 41333 89382 38256 00879 05882 18388  
83621 74620 35244 98829 05864 45267 82040 82571 83019 71632  
58481 96349 52269 32067 93602 46752 28555 86319 86316 04195  
18224 12493 33945 64338 19879 80033 40926 10393 29617 44698  
37393 24728 92857 76431 62290 23245 69935 56082 90743 10932  
07653 01917 10341 82060 33976 11843 76039 13435 18062 32308  
98361 24155 62807 89780 44591 00317 22102 45777 57635 08090

59979 61355 22253 43619 93845 82023 33341 93166 88984 78990  
45944 01961 96508 07708 11707 75164 51968 69626 31423 59408  
76781 88126 78402 78337 49690 34527 72310 20588 40421 65147  
08194 03654 22739 55331 70363 62058 09085 41385 85834 33290  
73984 06362 96997 39924 58412 70633 58220 91372 72297 73179  
86062 53704 37366 54543 17786 60967 37504 77381 57863 66449  
68819 45552 17151 57325 06604 07667 74435 81109 31383 56065  
15022 57373 81222 57130 26068 73148 22502 73885 53337 85457  
56328 66824 49074 79416 02784 83890 65669 55333 30192 75561  
74820 53191 00000

11166 70202 64391 24054 01799  
36388 36456 06061 69284 30749 36616 42675 01640 90019 75808  
29692 76262 82210 39082 92322 94086 61380 18681 76541 83688  
38947 89340 19270 20962 25790 37569 88580 98881 24853 43386  
86108 08313 78910 37933 28857 15786 03208 85395 52581 49183  
57646 62691 03953 27278 38203 35339 13665 94047 92289 52961  
67698 43722 87710 12853 18908 47485 89925 65053 06134 17774  
27308 57356 73017 71114 49070 43709 03716 75432 05556 04415  
17692 92769 05580 51599 90782 53350 30514 18361 94712 21933  
09791 55060 72264 42383 87522 81160 90272 71411 34923 66089  
37641 37400 88218 37529 60567 85270 16728 40589 52157 93329  
50815 96299 38630 73010 24385 32852 29282 87474 11621 88039  
22417 49995 62649 06313 84416 88058 67814 78918 44142 84135  
05255 00531 69859 29037 51469 40825 20866 48817 59557 54439  
91017 91144 34825 77735 86329 82080 62437 85833 03862 89208  
66814 08326 04041 52050 07446 27117 93644 65696 40830 04845  
61609 28613 03202 17289 34857 90523 93755 88229 46334 61350  
63044 50188 32440 67108 36236 79472 02040 63719 25928 78987  
44246 44674 14197 07235 67160 03477 08572 54177 00000

**12177/10156/8138 kHz, 26-11, 0700/0710/0720 UTC**

11166 70202 57896 26027 00049 00000 00000 00000 00000

**12177/10156/8138 kHz, 29-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 29-11, 1200/1210/1220 UTC**

11166 70202 38694 26055 02399  
67622 53352 20535 23459 69811 68782 67254 40742 53859 73167  
89919 57647 55791 67430 72013 60994 31758 17537 44525 86474  
38903 77643 95397 34613 58920 26611 45860 21198 93973 66337  
35847 73125 89657 55346 85687 05595 64709 76066 26252 41579  
52138 59239 14739 59528 81469 13893 78297 80224 56790 36323  
52670 28742 10286 96506 08041 32440 35946 25408 79277 40923  
33141 51587 42754 78919 14742 60574 06953 68000 59487 75426  
09006 78092 13266 81915 34400 94702 69023 46789 02000 12812  
79958 02527 81595 93362 85717 97038 36158 43280 56258 31751  
05993 04972 83079 36497 76961 66228 72502 54669 99991 26483  
20685 37064 54029 80346 75071 67844 69643 04369 11948 71086  
55461 57964 84795 71311 94616 34425 23145 06474 03419 22980  
86593 16820 69402 67821 03691 58064 10965 35040 50377 12326  
25778 23413 47656 95244 20147 79969 83197 82737 36521 06289  
86547 05816 21335 66449 12646 86903 00366 32581 13327 16108  
53804 28950 01499 90855 08214 60516 37685 67352 87575 36907  
93617 97300 90599 27724 72566 48297 86498 10154 91098 31367  
46398 94785 51943 84069 52587 40600 62668 82591 52785 95045  
79835 81300 51609 20161 83336 03163 56449 90661 10589 29486  
19916 74939 05289 62414 46055 34911 60394 58609 52533 05651  
60040 57569 05951 40745 50064 53004 72498 34308 91832 80726  
51129 55595 79054 21472 81440 57149 22278 42107 43442 42423  
30738 23652 91419 03814 46266 49549 89056 67032 08930 52636  
38016 02779 59104 44240 17170 91617 05655 55237 00000

**12177/10156/8138 kHz, 30-11, 0700/0710/0720 UTC**

**10231/8081/6869 kHz, 30-11, 1200/1210/1220 UTC**

11166 70202 19348 29056 02139

56340 44951 98106 56903 53496 62123 21693 67273 86589 29049  
39683 54383 09802 92678 42066 19427 60311 70039 44628 69523  
89714 74065 61817 00823 73269 28580 25420 10609 64162 08377  
28717 36841 84980 65337 00819 48581 73582 26521 40861 35729  
25546 75162 66758 71523 00389 50525 58189 46219 83744 27524  
98506 95406 22681 62090 45266 71393 76359 13182 84051 31083  
49201 77397 45295 38805 98771 97124 88759 07522 35550 28161  
85400 26843 56792 77743 51266 51309 81647 48930 13146 47350  
79748 52263 10632 22386 10438 70652 64308 84487 14823 88424  
64733 06042 27859 20469 61905 89857 02633 02411 59916 61154  
64046 27773 46461 33864 34074 43028 11895 24685 95799 36517  
37537 13335 88400 82136 57895 72420 50288 23763 26503 15387  
52564 11327 40059 35962 90015 24491 00557 37544 21798 44855  
20088 75971 79029 62649 98004 64102 81454 28818 25145 11660  
30383 88465 94779 98750 70089 56583 25002 06533 34846 21995  
22216 53434 23800 90470 40437 10383 70863 02929 16072 93474  
01810 89680 82883 57526 95769 46646 96807 38935 93303 44475  
25331 21302 18247 06524 81101 22239 05514 16608 04469 24810  
52039 42485 24630 02036 33059 85998 54087 07904 50908 95808  
96085 33320 08526 03671 69728 50436 24851 70179 82456 93797  
34307 50926 04579 51744 37553 18999 25543 66500 95688 04775  
96624 56211 00000

11166 70202 26485 29057 01899

87826 19523 30379 58853 58850 05188 84760 27746 21728 79135  
89706 15525 10933 51993 64638 25723 51231 58118 08955 68388  
33166 26758 26580 26603 64413 32605 47498 07873 45467 67935  
57185 35061 43061 03515 69894 56566 59800 30463 06730 80416  
23409 00263 64436 61989 44045 05101 85851 00024 13132 65724  
67958 20620 42111 19016 68470 53924 64592 22444 96890 33165  
50307 17619 00978 70747 04326 20096 84564 91084 49957 27650  
17659 24854 18786 64193 24767 94365 96269 01516 62377 44737  
96339 26056 21544 00546 63451 42871 16501 52670 25503 34011  
45256 04984 46079 13461 33085 35606 49439 45865 94884 52388  
16711 21202 77299 47325 76697 02606 66583 79586 39760 89518  
73110 41834 48205 63366 28487 89548 41607 07934 56206 38013  
60513 21640 01762 56666 36968 63897 33183 15513 45285 02735  
47912 63266 11514 55879 46969 41911 05039 42488 62336 67392  
60735 87700 48507 31098 05142 47226 74129 01827 85061 44121  
74683 32938 22052 34977 52138 04362 41225 47676 32509 54158  
47807 57929 17269 79321 49882 96759 89544 10502 50772 06143  
61035 90342 59477 84965 70586 10125 92626 92513 70370 84389  
66362 01667 60593 68245 01610 18980 58678 57187 00000

Link 80214

**11162/9915/8187 kHz, 04-11, 1330/1340/1350 UTC**

11166 80214 36958 04091 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 11-11, 1330/1340/1350 UTC**

11166 80214 64238 11026 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 18-11, 1330/1340/1350 UTC**

11166 80214 64821 18025 00049 00000 00000 00000 00000

**11162/9915/8187 kHz, 25-11, 1330/1340/1350 UTC**

11166 80214 85214 25013 00049 00000 00000 00000 00000

5116/4814/3727 kHz, 04-11/05-11, 0500/0515/0530 UTC	File 44499
5116/4814/3727 kHz, 11-11/12-11, 0500/0515/0530 UTC	File 04401
5116/4814/3727 kHz, 18-11/19-11, 0500/0515/0530 UTC	File 44402
5116/4814/3727 kHz, 25-11/26-11, 0500/0515/0530 UTC	File 44403
20937/18644/16251 kHz, 06-11/07-11, 1500/1515/1530 UTC	File 04493
20937/18644/16251 kHz, 13-11/14-11, 1500/1515/1530 UTC	File 04494
20937/18644/16251 kHz, 20-11/21-11, 1500/1515/1530 UTC	File 04495
20937/18644/16251 kHz, 27-11/28-11, 1500/1515/1530 UTC	File 04496
3889/3744/3542 kHz, 18-11, 1700/1710/1720 UTC.	Hex-file with clear text header File 44457. Header: 44400 00000 13468 17057 00009
3889/3744/3542 kHz, 25-11, 1700/1710/1720 UTC.	Hex-file with clear text header File 44469. Header: 44400 00000 93458 24069 00009

## X06 - Mazielka

10161 kHz, 01-11, 0750 UTC	MFA Moscow clg 165324: Russian embassy Vienna
11562 kHz, 01-11, 0829 UTC	MFA Moscow clg 432516: Russian embassy Bern
15836 kHz, 02-11, 0902 UTC	MFA Moscow clg 165423: Russian embassy Brussels
12157 kHz, 02-11, 0914 UTC	MFA Moscow clg 165423: Russian embassy Brussels
20690 kHz, 08-11, 0827 UTC	MFA Moscow clg 156234: Russian embassy Kampala
10127 kHz, 08-11, 0913 UTC	MFA Moscow clg 421635: Russian embassy Oslo
10127 kHz, 08-11, 0918 UTC	MFA Moscow clg 421635: Russian embassy Oslo
11537 kHz, 08-11, 0927 UTC	MFA Moscow clg 421635: Russian embassy Oslo
13517 kHz, 08-11, 0936 UTC	MFA Moscow clg 463125: Russian embassy Rabat
12109 kHz, 08-11, 0946 UTC	MFA Moscow clg 431625: Russian embassy Warsaw
9127 kHz, 10-11, 0924 UTC	MFA Moscow clg 263145: Russian embassy Prague
13506 kHz, 11-11, 0952 UTC	MFA Moscow clg 621543: Russian embassy Lisbon
13506 kHz, 11-11, 0954 UTC	MFA Moscow clg 164532: Russian embassy Dublin
10653 kHz, 12-11, 0928 UTC	MFA Moscow clg 356412: Russian embassy Berlin
10161 kHz, 15-11, 0757 UTC	MFA Moscow clg 165324: Russian embassy Vienna
12174 kHz, 16-11, 0900 UTC	MFA Moscow clg 154632: unid embassy
18206 kHz, 16-11, 0936 UTC	MFA Moscow clg 246531: Russian embassy Accra
12830 kHz, 17-11, 0840 UTC	Sequence 225616
12215 kHz, 19-11, 1007 UTC	MFA Moscow clg 361245: Russian embassy Copenhagen
12109 kHz, 22-11, 0949 UTC	MFA Moscow clg 431625: Russian embassy Warsaw
14861 kHz, 23-11, 0813 UTC	MFA Moscow clg 542136: Russian embassy Beijing
13369 kHz, 24-11, 0836 UTC	MFA Moscow clg 412356: Russian embassy Budapest
16116 kHz, 24-11, 0907 UTC	MFA Moscow clg 134265: Russian embassy Tunis
13506 kHz, 25-11, 0936 UTC	MFA Moscow clg 621543: Russian embassy Lisbon ended 0939z
13506 kHz, 25-11, 0940 UTC	MFA Moscow clg 164532: Russian embassy Dublin ended 0945z
15878 kHz, 25-11, 1130 UTC	MFA Moscow clg 621543: Russian embassy Lisbon ip
10653 kHz, 26-11, 0930 UTC	MFA Moscow clg 356412: Russian embassy Berlin
14560 kHz, 29-11, 0935 UTC	MFA Moscow clg 621543: Russian embassy Lisbon

**X06b test transmissions. Frequencies ending on 50 kHz seem to be the most popular test frequencies.**

18640 kHz, 19-11, 1042 UTC	111666 Ended at 1113z
14650 kHz, 22-11, 0805 UTC	111666 Ended at 0953z
12550 kHz, 23-11, 0903 UTC	111666 i.p. Ended 1012z
14550 kHz, 23-11, 1052 UTC	111666 i.p. Ended 1313z
16450 kHz, 25-11, 0723 UTC	111666 i.p. switched to 11450 kHz at 0801z
11450 kHz, 25-11, 0801 UTC	111666 switched to 9450 kHz at 1046z
9450 kHz, 25-11, 1046 UTC	111666 Ended at 1226z
8560 kHz, 26-11, 0638 UTC	111666 Ended at 1135z
13356 kHz, 26-11, 0857 UTC	111666 briefly then switched to 13350 kHz
13350 kHz, 26-11, 0900 UTC	Carrier till 0910z, then 111666 for 1 minute, then off
13350 kHz, 26-11, 1110 UTC	Carrier alternating with 111166. Ended at 1201z
13350 kHz, 29-11, 0700 UTC	111111 Ended at 1332z
14650 kHz, 29-11, 0750 UTC	111111 Ended at 0814z
18650 kHz, 29-11, 0944 UTC	111111 Ended at 1012z



14650 kHz, 29-11, 0948 UTC      111111 Ended at 1007z  
14650 kHz, 29-11, 1008 UTC      111111 Ended at 1020z

## **XPA1**

### **13978/14859/15871 kHz, 02-11, 0810/0830/0850 UTC**

587 587 587 000  
07248 00001 00000 36263

### **13978/14859/15871 kHz, 04-11, 0810/0830/0850 UTC**

587 587 587 000  
07062 00001 00000 32265

### **13978/14859/15871 kHz, 09-11, 0810/0830/0850 UTC**

**0810 UTC Stopped after a few seconds**  
587 587 587 000 09274 00001 00000 34270

### **13978/14859/15871 kHz, 11-11, 0810/0830/0850 UTC**

587 587 587 000  
05041 00001 00000 31661

### **13978/14859/15871 kHz, 16-11, 0810/0830/0850 UTC**

587 587 587 000  
06651 00001 00000 34663

### **13978/14859/15871 kHz, 18-11, 0810/0830/0850 UTC**

587 587 587 000  
07292 00001 00000 33270

### **13978/14859/15871 kHz, 23-11, 0810/0830/0850 UTC**

587 587 587 000  
01382 00001 00000 33661

### **13978/14859/15871 kHz, 23-11, 0810/0830/0850 UTC**

587 587 587 000  
08665 00001 00000 36666

### **13978/14859/15871 kHz, 30-11, 0810/0830/0850 UTC**

587 587 587 1 587 587 587 1 587 587 587 1  
06393 00150 06070 96920 86709 89206 87889 77881 32122 38643  
45205 70599 25134 88474 64435 96824 28223 63386 28041 40288  
92453 51991 53010 72049 29521 81766 41861 36374 55866 15949  
50514 53043 02542 06922 96031 47097 12097 72698 94226 85257  
98856 86624 59490 47878 43579 11545 06614 94022 49171 12162  
21283 52558 35119 59878 22127 94298 13531 15628 16296 58967  
08616 83768 33755 36502 16008 89873 20370 96030 06520 69893  
73301 87309 20218 43977 00174 72584 14426 19848 74706 65432  
13284 95379 38014 77555 52552 64259 02417 77600 78558 76958  
78959 79170 21292 10479 06046 72417 46636 29346 40937 97459  
01773 36992 01291 74470 18622 90395 78683 25878 80457 28543  
83408 75690 07129 96165 10020 56736 23671 06039 34617 73051  
08043 11973 53508 44253 46313 59453 19393 03011 64840 68343  
31864 89652 28255 41648 57527 52907 15905 49281 87974 94205  
67578 25212 80760 22980 29013 07689 78333 28958 75266 34719  
33147 93620 77600

**13875/13375/10875 kHz, 03-11/05-11/10-11/12-11, 1310/1330/1350 UTC**

**10-11, 1330 UTC off after 83 groups**

838 838 838 1 838 838 838 1 838 838 838 1  
00516 00140 06011 30178 78680 46855 97473 08128 75813 50962  
12750 11007 08345 09520 97224 83486 20099 73832 55727 95636  
77944 08580 13576 21362 87987 26796 85674 51854 94211 73344  
77442 58708 32539 69590 30238 56627 50124 79388 36141 53224  
95928 06813 58166 89782 22853 00732 32972 59539 02197 96948  
80921 00086 82053 95724 36935 86028 85889 67840 15127 71893  
59693 81513 49932 58075 53812 61066 31627 65278 19246 03548  
18853 58008 11883 20555 83584 92632 32292 02087 18405 84324  
42384 48196 84712 92676 14100 90733 05224 07101 20973 63330  
52461 69873 54762 82406 38322 46845 13625 76461 69293 54622  
68392 90816 76086 86170 36674 37288 90640 90741 29042 11853  
22827 27252 86198 33275 68659 59441 62380 27980 64614 52681  
87327 00617 38843 72036 90084 91688 69276 25512 06096 17974  
36706 74725 52258 94809 68559 60181 75820 63151 06988 21849  
03049 88069 71121

**13875/13375/10875 kHz, 17-11, 1310/1330/1350 UTC**

838 838 838 000  
09332 00001 00000 33664

**13875/13375/10875 kHz, 19-11, 1310/1330/1350 UTC**

838 838 838 000  
01990 00001 00000 35662

**13875/13375/10875 kHz, 24-11, 1310/1330/1350 UTC**

838 838 838 000  
03808 00001 00000 41253

**13875/13375/10875 kHz, 26-11, 1310/1330/1350 UTC**

838 838 838 000  
09799 00001 00000 41272

**XPA2**

**11529/13429/13929 kHz, 01-11/03-11/08-11/10-11, 0800/0820/0840 UTC**

01100 00102 80814 82825 55770 00472 63916 57848 53345 06323  
31676 82123 91479 36081 27405 30058 04673 78527 51323 75534  
73455 85297 30524 06050 36950 27382 16364 25179 82656 98861  
39870 03248 26137 19875 93291 91063 39607 18859 07742 61339  
22614 90661 63932 61014 51573 00381 89765 04324 02126 64925  
38974 71157 94607 58933 45234 41560 75823 08399 97097 55487  
50727 81675 46381 40321 62711 64571 86257 20552 79693 34727  
79196 41480 50254 57727 03905 08056 66625 73357 50608 86158  
68203 82792 46591 00099 55627 66758 16469 96380 29298 95460  
49982 39190 15976 44485 51827 11820 22853 30887 46119 85988  
01611 15565 69506 46654 35531

**17413/15852/13363 kHz, 01-11/03-11, 0910/0930/0950 UTC**

00022 00099 67760 74267 59577 56245 26635 91384 04074 16979  
64795 54620 06487 15296 56961 31607 18950 01682 99937 34191  
37248 24663 75367 71715 29583 94195 94731 47191 80486 26413  
00671 40454 31671 07882 30391 43003 93454 78278 36604 92037  
79063 79401 15587 87711 47493 06148 29188 45310 50776 10154  
15276 32793 38051 13337 34462 37442 55964 24456 80066 17729  
78146 77043 00037 58005 35714 43428 12987 11538 57803 92086  
64535 55339 54902 16026 06978 19398 16164 68967 81094 00896  
56200 59481 00260 21065 87590 41492 85568 97433 92342 37838  
65812 35797 61278 13678 94112 70944 23549 60440 09894 57806  
14912 07370

**8126/6826/5326 kHz, 01-11, 1600/1620/1640 UTC**

09831 00001 00000 35664

**10653/9353/8153 kHz, 02-11/05-11, 1100/1120/1140 UTC**

00349 00046 27638 22824 33281 08204 30729 13044 68748 89751  
59643 76510 66010 90503 23731 35258 12820 12479 24415 14738  
29903 78537 35634 51583 55761 31054 96920 96831 06188 68936  
58043 95824 90085 71873 88612 87932 29034 64888 77002 46685  
89001 47543 06869 12242 77439 92563 41114 98005 05276

**14783/13883/12183 kHz, 02-11/07-11, 1200/1220/1240 UTC**

02049 00142 92552 43634 12088 86402 35902 64504 60673 86974  
21805 99129 06894 99072 82665 72988 57407 10964 78603 28008  
02258 67431 38052 82761 09701 29883 99417 18395 51853 38173  
06881 79150 03993 88959 74464 28494 99632 41952 72276 36971  
75974 37724 49385 35012 94694 86000 01032 95515 97770 13256  
76367 88429 73692 67382 58682 21927 10824 89916 22207 01362  
24691 41353 35206 62003 25721 48303 07570 80145 85214 22699  
52266 16080 36591 41226 32483 96461 98097 64031 93094 77218  
01255 85339 35880 76846 75312 25231 82478 48924 84613 92325  
33143 45245 44968 85760 83790 34961 97636 76265 29889 46503  
55344 25091 68411 06383 27216 68965 62113 08020 73263 18034  
34043 77488 12509 82715 67167 86772 04283 32842 58408 04793  
19259 47687 55032 27461 30203 63329 62395 47116 89621 42141  
27588 20364 98292 04904 09016 45397 84593 00278 47368 78136  
28356 23530 89683 86909 05060

**10223/9223/8123 kHz, 02-11, 1600/1620/1640 UTC**

07420 00001 00000 33261

**13393/12193/11093 kHz, 03-11/04-11, 1100/1120/1140 UTC**

02653 00082 41297 91194 38995 40303 99546 56461 66773 67241  
71823 72202 61266 34311 79872 48762 48947 53047 92020 16261  
22530 25266 66758 80041 31607 05212 92321 45848 19554 30760  
42710 55508 40915 38774 05522 32427 84567 47374 90017 68003  
02350 25489 46385 64646 59208 26625 15405 68205 41552 63000  
08851 67859 00248 79504 79427 09174 98886 92507 42022 55587  
92300 05251 99251 31030 72563 62625 78278 64364 55781 29834  
21322 92515 33783 85147 06802 99959 99801 28591 48640 11235  
10019 56418 90463 19642 22355

**10968/12168/13368 kHz, 03-11/05-11, 1200/1220/1240 UTC**

00549 00162 60249 39441 39235 27289 20753 28880 84466 62682  
09134 49786 89288 46820 76811 34763 20116 32970 99967 77984  
79960 80932 97485 80045 28431 37439 28581 84030 32294 04794  
61367 95682 13310 13605 88984 79487 47211 45416 32414 84365  
39728 02669 20372 07848 01349 58905 91943 24640 55384 55550  
11385 27499 38553 83438 67507 65539 48611 25402 56294 96507  
00792 15516 67615 28872 80385 53785 24075 46260 73876 78685  
95165 14139 61333 83302 60373 80206 02481 77691 37214 28793  
29224 47724 10896 76228 34993 35684 60009 99467 60110 87239  
55663 32629 59625 73360 38330 75118 28857 08052 88505 80483  
67208 27095 66583 88088 08886 64496 60009 85077 76276 84778  
08375 58886 86620 83635 32205 88788 60373 06337 75882 20376  
07000 75356 32087 43037 35754 06008 99753 84458 06979 25364  
95325 23470 32573 74662 09525 92293 52802 58507 44735 07326  
64802 18804 48568 90226 54208 41965 67605 20536 75892 30110  
76356 84677 80280 88288 05088 47882 07832 55299 35596 46853  
17584 27512 02896 55587 23727

**15895/14885/13885 kHz, 04-11, 0910/0930/0950 UTC**

04836 00099 23756 91161 42960 07769 39401 95379 12897 31478  
59041 39059 04120 85014 79826 36399 72922 67569 40064 60882  
02928 82728 74396 88340 28759 72545 69537 60146 65940 74117  
17116 63846 56785 17064 49004 59616 92596 57854 84596 22708  
37552 09550 61646 20571 83338 28873 27548 00652 47181 10409  
32995 14529 97689 55905 37322 76726 05845 42552 83940 50136  
10910 10179 50320 88511 05328 13292 74871 23032 02409 78749  
35303 67624 15777 81264 57227 48416 28574 28058 93714 53144  
54880 14025 04467 77477 72529 75918 62347 24726 21422 21254  
23439 97647 02370 44984 21581 52444 82018 64527 58793 00769  
25404 66754

**10223/9223/8123 kHz, 04-11, 1600/1620/1640 UTC**

02270 00001 00000 32261

**15985/14885/13885 kHz, 06-11, 0910/0930/0950 UTC**

04836 00099 23755 11160 42860 07769 39400 85378 12887 30478  
58040 38058 04120 85003 78826 36399 72822 67568 30064 60882  
02928 82728 74396 88340 28758 72545 69537 60146 65940 74007  
17116 63846 56785 17064 49004 59616 92596 57854 84596 22708  
37552 09550 61646 20571 83338 28873 27548 00652 47181 10409  
32995 14529 97689 55905 37322 76626 05845 42552 83940 50136  
10910 10079 50320 88511 00528 13292 74871 23332 02409 78749  
35303 66624 15777 81264 57227 48416 28574 28058 937714 5311  
54880 14025 04467 77477 72529 75918 62347 24726 21422 21254  
23439 976476 0370 44984 21581 52433 82008 64527 58799 00769  
25404 66754

**8126/6826/5326 kHz, 06-11, 1600/1620/1640 UTC**

03043 00001 00000 32657

**17413/15852/13363 kHz, 08-11/15-11/17-11, 0910/0930/0950 UTC**

00160 00025 76272 28037 26142 69756 47427 41940 14701 39668  
61920 75391 59854 38767 91778 13787 91754 52278 32055 11314  
12240 14308 00465 57414 29061 76821 70372 63275

**8126/6826/5326 kHz, 08-11/13-11, 1600/1620/1640 UTC**

00369 00237 44338 83975 74269 38437 94319 37896 32460 37711  
04789 93429 00985 98783 94394 32736 85030 42645 57267 71717  
23810 68855 49266 80014 67840 79977 72593 58723 74605 98978  
02511 22905 95521 49113 26784 10684 96868 19998 19934 47333  
39566 69040 96923 50883 37744 69169 59208 51334 51041 95299  
86360 25223 82337 15386 77669 89726 37340 27101 58538 73658  
54738 68414 41507 59054 10074 03324 91216 88070 55767 03345  
13474 69498 97518 82269 77238 66617 44788 72613 85770 68799  
82523 32774 69796 36812 46406 73445 92730 21874 54901 92223  
14098 70853 09001 62263 09661 74697 61680 17585 94699 34353  
06339 17863 80724 15593 88732 15552 80528 03142 25967 00345  
30755 37700 03799 31691 91511 77047 02198 16468 01085 83807  
77477 22304 86160 46302 91063 52528 49996 81214 57535 89658  
93505 08622 32378 44941 97099 51537 81070 41649 07268 69818  
59138 86677 30385 20253 35661 54596 86624 67067 73341 86233  
52505 35440 20141 39358 56748 88145 63443 56929 63677 35615  
69535 04937 26841 22481 53953 06018 95559 14640 70051 54289  
86458 12718 02306 54840 04230 50108 76301 60518 56461 34611  
23074 51953 80860 65377 67642 93787 68961 80261 28284 28625  
05607 66194 64722 55513 54038 61574 09029 16439 49597 98199  
59113 89837 62489 95841 53689 11529 70534 56218 66769 15811  
75275 09949 07099 81122 04719 05730 86395 91780 96578 29390  
75457 98743 10193 75867 04567 68025 87489 09300 69567 12011  
36137 51258 08252 76727 84594 83563 64799 98057 28621 60552

**10653/9353/8153 kHz, 09-11/12-11, 1100/1120/1140 UTC**

07558 00044 84303 23133 55496 27863 83549 12654 22260 82707  
27267 30818 80466 15140 22685 22865 59345 45746 23052 46550  
40064 33602 73199 89499 50395 87141 69754 97391 36372 36111  
44285 28004 53420 90537 93472 61401 39314 50822 52163 14361  
93504 08327 64475 21180 76960 29755 00211

**14783/13883/12183 kHz, 09-11/14-11, 1200/1220/1240 UTC**

00726 00226 80159 28154 41807 69731 45793 77830 11708 51043  
08066 89704 45649 16279 86263 07424 86102 59847 06164 38462  
56260 15300 68523 30344 20615 53669 99612 03094 06072 26353  
49882 67294 18789 84031 18671 33544 92724 54591 25153 49226  
05095 56410 92277 62345 73584 38803 30564 26823 28381 95024  
92410 52670 27198 83170 61990 47608 76418 18615 40299 22420  
28368 59568 96977 08834 05149 67823 47000 73070 56848 14777  
09350 07369 08250 02890 07526 41168 04339 14698 23028 41904  
86714 90988 15746 07233 30504 61243 09543 41754 87533 74519  
54907 56955 71873 30338 83941 47339 06655 80921 13518 52651  
45295 45581 98500 11907 17929 28843 55666 50333 17772 78475  
84915 12950 78319 99069 26141 48057 60253 88029 66255 49052  
45735 88916 73481 55477 81099 21776 44994 07978 49984 43534  
45996 06914 34372 58393 84822 11343 38160 80762 19277 01048  
43710 68450 49803 64775 50077 48796 57649 33339 80990 12527  
68830 94005 27828 89591 68992 73077 01992 11224 95865 80401  
21499 40700 60680 73777 74061 05878 27642 82908 14617 27766  
46110 99900 30093 64807 77873 34954 62485 44938 89752 22999  
16440 11740 02810 57868 87125 56395 17294 20598 74161 06412  
19460 25241 87832 64000 44357 38981 16460 94506 30467 63735  
24160 60280 51468 26945 99375 23974 86508 35973 70468 58098  
40542 41029 07942 19300 30363 58778 69180 24123 54117 38055  
88322 68385 68603 18673 44484 74915 74863 42972 24602

**10223/9223/8123 kHz, 09-11, 1600/1620/1640 UTC**

02355 00001 00000 35257

**17413/15852/13363 kHz, 10-11, 0910/0930/0950 UTC**

00160 00025 76272 28037 26142 69756 47427 41940 14701 39668  
61920 75391 59854 38767 91778 13787 91754 52278 32055 11314  
12240 14308 00465 57414 29061 76821 70372 63275

**13393/12193/11093 kHz, 10-11/11-11/17-11/18-11, 1100/1120/1140 UTC**

01707 00170 98702 35353 54047 28735 26208 31572 12511 62420  
66206 71508 93404 14133 01995 74946 67406 48583 18200 34262  
21760 47524 34951 60002 11929 92439 74345 31408 77970 81412  
88165 46350 35428 45614 38605 64310 37244 54880 96585 40336  
41659 97459 43017 55477 85621 92002 91957 38817 05269 00925  
35571 29710 38833 34794 28775 24110 61571 22524 04701 36132  
94355 10733 92344 87596 84677 44361 97772 90488 69195 14840  
84394 31865 68163 21539 93170 49101 38306 10948 73607 88866  
64556 67482 02763 77015 97244 51643 25196 99104 39025 59650  
84052 78375 46606 83576 52115 46177 21502 70244 43140 02020  
46169 58015 47105 39504 21057 31549 13592 39058 91926 46512  
78907 12728 41790 38840 14968 82318 42962 49444 05388 30604  
22839 88466 83908 21355 10251 60720 63145 80414 68751 67777  
44740 17625 13461 24330 09369 44881 08953 47387 04933 62201  
09919 59109 15373 48059 72996 50136 59267 97905 53421 33534  
14419 90729 99463 10851 83941 34765 42768 89508 28652 85113  
63933 73755 26532 40170 70955 10916 95335 74111 00006 20520  
69366 56689 17121

**10968/12168/13368 kHz, 10-11/12-11, 1200/1220/1240 UTC**

03715 00214 53212 10941 34869 33795 87156 07970 03791 65475  
12069 30560 70713 04914 86629 07789 19184 01211 28002 16389  
62935 09953 49940 94820 90700 32943 14831 57144 26997 05408  
28816 50159 61185 57817 96649 55231 54519 37794 48795 96504  
83548 59062 09341 25067 48026 10538 56507 53338 23192 76870  
61179 65243 74207 94563 46770 86060 22714 29452 08350 55670  
97919 67595 67420 59229 22585 23945 09384 68766 17262 94323  
35129 26606 69288 48406 93023 87476 97862 33363 03755 74525  
17194 01968 04636 18131 88898 00007 24792 39791 61142 28993  
99483 11053 58634 05438 84398 26733 22494 00518 16754 07714  
22862 78680 26758 52769 53513 77441 71248 12929 29229 23553  
91719 08294 02904 85343 22736 48944 65535 55728 62681 26238  
45887 75068 83590 35648 74131 78771 75435 85533 24978 15576  
24004 08861 56986 78145 82085 74514 00130 45710 93336 57040  
41601 50575 48952 23544 35460 39844 48363 01838 93540 66758  
24984 18205 80415 40587 62871 85789 20329 90602 73714 41814  
53535 51168 49446 58321 83008 50260 32182 53321 97689 64120  
57440 83717 00570 61622 36254 72217 14276 00561 29454 03324  
59163 68007 94451 69263 64379 90051 28161 60989 67822 89059  
35720 10526 27758 53845 67568 05347 64509 02523 29395 98849  
13904 41897 19630 39287 25784 00257 70026 34738 58117 39659  
53197 87187 84899 06582 22597 05020 24052

**15895/14885/13885 kHz, 11-11, 0910/0930/0950 UTC**

01555 00139 29022 10709 76486 54059 36365 00481 21263 52964  
24970 97052 79574 49901 55278 58465 18869 27455 41731 09139  
28010 76021 90206 20706 98353 67439 44337 72860 12512 22508  
93277 15256 56377 76639 34092 31301 35775 20449 22020 37219  
62212 25588 37475 59973 53933 50060 53272 86005 67731 38264  
61095 14979 84070 02288 73694 36934 93732 60876 48976 24409  
11023 88004 08762 52217 66415 93798 79357 86174 31406 43558  
90415 31608 94779 42150 65220 67965 81875 93147 57729 21558  
73876 47336 39733 31219 15449 41904 24872 39582 32044 38176  
28600 57318 26920 32647 20865 99598 35373 57138 82436 12597  
37085 62936 14129 28085 35387 55680 87267 12770 51992 26234  
39734 66459 43847 28216 42851 14421 67598 07255 88584 09304  
34093 39758 04963 93387 34264 29132 08309 53362 53858 77294  
47904 94329 81404 03766 97649 37388 80007 28907 03808 00832  
16562 16203

**10223/9223/8123 kHz, 11-11, 1600/1620/1640 UTC**

09882 00001 00000 36271

**11221 kHz, 12-11, 0840 UTC****14803 kHz, 12-11, 0852 UTC, i.p. same message? Both ended at the same time**

00589 00985 37713 84572 01903 88463 26685 97750 18749 94615  
43755 70793 73522 71854 07961 23404 42219 99027 80823 72522  
85074 64033 35649 51433 70685 08733 08286 82462 58793 34328  
68284 79114 76792 52780 26708 92642 55457 25448 90324 81768  
06425 90104 52788 22120 08301 22450 85962 90297 13493 62432  
59567 13403 75696 93159 10148 64465 98134 90281 65160 57433  
31840 57081 68754 94246 90242 58542 89132 79629 29464 77521  
14964 28414 61562 67436 97954 96605 82321 30489 84583 03737  
93251 35414 52466 38259 62537 52124 58225 50717 86333 60919  
10241 67876 03169 70101 20170 09101 43922 45719 71956 54746  
58806 19540 75861 73935 13013 01604 62736 64951 40201 23339  
14394 27766 93494 57405 24320 10090 77312 19893 87291 16356  
48377 71093 17868 29363 69567 51308 57535 94534 98952 18619  
22610 52702 67908 42509 74913 70046 64216 21320 67518 28877  
93612 83472 42345 14845 38292 08731 92266 28198 97505 44157  
79314 01782 95052 29673 23966 63138 56264 98126 01268 36973  
57424 30648 60306 23413 37402 11282 93393 72921 92649 07105

02840 73392 17828 26478 03193 11002 49221 75995 48099 13456  
43425 70808 63378 15501 77414 12292 77447 04074 76819 05217  
68349 79373 58880 88997 65863 08313 69025 93040 11239 98000  
16340 19708 86137 57631 58486 53574 28212 96613 06961 59853  
11785 22485 83966 03017 81591 98860 54032 00359 72855 66391  
29675 06775 43770 33635 99410 63934 25858 67282 43605 34051  
20931 24578 66332 85183 61701 63466 12322 25535 12496 79276  
83115 12815 90917 33100 39732 36744 70697 81161 96386 13322  
47273 85892 45477 83948 21590 66961 02529 98958 32246 42507  
73939 31267 25271 19187 03455 08136 40883 63126 85385 70424  
41726 49379 40993 17345 88819 50608 03882 33629 70331 76354  
06066 62521 42399 11079 81147 74402 86158 33125 07305 47440  
55655 85699 27503 71715 89719 08182 99096 29509 76233 32277  
30282 57465 04769 26530 85717 17486 85319 96271 45948 39631  
66969 73101 83696 50560 54825 25234 10079 26612 55152 19973  
23035 17616 11759 72804 93444 93294 36401 70618 49550 48565  
80933 99596 74772 56741 75710 98939 17645 36162 84750 92724  
80147 32824 00295 98229 94013 28200 70681 06261 07822 72790  
19525 30904 50716 03385 35508 15895 00299 75337 96126 09751  
48947 53443 71054 57729 59005 64348 18271 10824 30990 86571  
21466 48891 00061 88242 49585 40006 98535 94616 32803 30371  
94156 26601 47821 24602 42178 20542 46397 56062 37692 53681  
93356 72474 21287 74946 54978 76243 84622 03720 22220 25725  
04116 44568 10035 84956 36644 21675 28982 42468 68048 12962  
75252 48673 37806 21111 50279 55253 02048 66468 55734 99076  
01756 73456 86142 17329 66435 03920 55492 94480 31809 94302  
25770 36496 43150 21113 72516 48436 50808 08799 29526 99397  
82175 90515 52130 45160 44210 77356 44457 38148 92534 98112  
47692 30077 27040 08557 53770 28870 95122 67534 28466 21123  
12646 00980 51267 75813 22214 79017 06539 78751 68628 15788  
73091 89599 00700 85870 88297 35923 22130 66620 73761 51620  
56080 80017 20266 88393 28663 40681 29727 51332 55558 71192  
77697 70455 74195 32080 75077 63085 39664 42840 57884 14505  
41285 17921 39591 78550 04585 07226 28031 27712 73537 51866  
28994 95434 44659 59278 00433 68219 98553 38081 73467 26031  
68176 24668 03245 68025 69461 76750 08892 07791 91300 30910  
35785 74469 56167 25314 91105 55357 66646 40945 62196 30728  
86860 23629 10982 89693 15967 79142 58169 08033 04743 62377  
43797 37183 32204 38382 99252 78521 56478 11286 37100 82790  
79457 50160 41878 68413 16429 27244 40524 51993 09681 18424  
07568 05254 78615 35632 49482 10508 43004 75933 09355 23427  
51199 12636 09170 38568 86292 56920 85222 22013 49562 17542  
37849 88173 53338 56957 17333 80670 70406 17723 31288 15287  
48971 53411 82366 48267 88613 95541 28706 80790 72615 07614  
33519 52841 08908 05397 31360 52452 28308 92601 52279 92635  
53640 19913 28318 14918 78381 18561 26006 92996 93578 78187  
43447 70729 34200 68349 94959 43504 26686 91529 84793 50461  
85698 03953 34677 67441 42040 46913 48995 69705 52096 48926  
75056 65183 34719 45710 60485 21086 66755 88429 17961 15802  
80710 71294 44316 66250 61429 81764 73067 58548 65484 64794  
42295 75521 63557 13730 81774 06682 43829 40100 03332 30803  
27386 35555 09697 24362 02730 47440 97559 69955 84649 16450  
87272 00072 51046 23190 25804 56239 73841 25729 69130 74187  
74448 38237 47684 13623 75993 23506 14461 29368 33355 92388  
47859 25415 93176 93061 29049 41344 09612 36969 64208 91695  
52766 47355 11965 07942 24365 77969 24488 72057 62318 44558  
21163 18018 77753 67187 86476 00280 32476 02756 81860 94772  
73780 66402 06215 53992 39518 67867 53462 95670 38726 28705  
54858 78593 88737 72686 07288 52256 80711 04974 19642 40458  
01944 82963 56034 81626 22934 00763 48665 71262 75248 58204  
34186 72504 75328 79477 69999 70549 18720 06798 45124 22951  
54427 34198 76002 98018 11492 07756 50933 73457 54811 85104  
31879 40506 57622 67674 64442 63384 56612 42249 78392 88584

08358 96452 16660 80498 45287 70513 87433 62133 78617 01783  
73590 56580 90214 42324 59161 68106 62786 41437 01324 65563  
88537 81984 74513 63359 27953 85915 02468 77307 32699 51288  
31071 08099 22733 40826 89376 00058 73031 82658 87405 04355  
52929 48201 98512 82315 23347 15226 57492 44747 00648 02286  
71203 18557 95045 23597 44845 17956 92458 34460 58278 49186  
77302 22851 49988 61461 78881 52160 25199 19335 16956 68481  
35568 89496 01148 87086 68000 09225 67347 70501 25465 05467  
88614 54557 86230 28771 82974 13340 54546 81191 25922 52062  
27758 58973 10052 31772 16758 33748 93728 77060 92460 24308  
44341 50165 21484 73764 61162 82146 89654 49212 76308 78512  
97752 23722 38697 24840 70646 07074 07926 12031 02099 99435  
29114 80382 52971 68435 04529 50747 03721 15877 09206 83273  
04175 84819 83811 14759 00754 12451 27907 62962 77689 60095  
35783 97524 69307 04835 95022 24857 01408 60068 86626 74508  
22745 75450 48943 54220 03156 28765 88875 83040 16553 06180  
21398 80173 97792 50295 14829 38626 57853 75887 81311 38537  
94238 83104 04917 28165 02327 01615 52246 14575 34746 41138  
56887 70068 76948 81555 73411 54952 89220 22167

#### **7849 kHz, 12-11, 1200 UTC**

00517 00364 23256 73889 16020 91703 43314 44699 12611 67802  
99287 98644 03886 99001 37897 80813 13784 41545 57148 84742  
77799 10208 89403 76942 74545 56419 42396 46892 38467 62011  
14324 21233 56103 55549 08018 80979 35398 99144 33457 75431  
06620 34235 22530 93123 64095 73532 16558 68098 56782 08157  
25195 66762 09814 66944 02278 74114 92969 64602 01464 68646  
48606 02405 94913 79218 19923 97621 10010 15899 09553 62326  
75464 49477 26193 86802 10324 14487 74354 56165 21116 68615  
93205 72112 04590 82548 15150 08168 38338 31307 25045 76218  
42124 42794 81439 21207 69565 55793 35073 06094 14358 11743  
53142 47578 94761 31698 61365 15984 48267 93659 30305 66745  
94767 40580 98724 02181 95194 58219 47424 00593 98740 53064  
45935 42722 57385 13474 06242 17699 17675 98079 72368 14898  
19323 82514 76820 81635 32776 82560 68717 24437 63922 14169  
98535 91555 57807 89758 46269 03455 41961 83357 08881 94853  
27575 26845 57001 48299 55177 58350 64912 76108 14902 38876  
01967 65790 42339 07873 86117 16154 60589 45336 18103 90511  
59038 39886 04154 46544 54512 95178 10949 60195 47475 76669  
24065 04818 88004 04757 44599 80764 39575 69388 21017 66425  
29085 78167 06165 92347 01965 24423 15411 38728 87608 50357  
32954 10333 23935 42951 05169 24880 11949 86970 35385 48244  
30837 81351 61421 14537 82257 41204 41347 13560 72353 20173  
02976 07352 78217 58050 88839 58715 40564 12586 39933 80278  
39575 14580 10198 63566 22296 89491 56932 45813 76774 38956  
44515 17606 29665 50773 15438 55442 99926 00780 68741 70019  
21115 99220 62176 29404 42976 27921 44340 87777 18574 46978  
76065 92442 19915 19778 52623 57122 58233 84580 53245 18313  
59193 59739 10226 37586 72872 29271 74997 66207 96398 50082  
32455 20461 67012 70249 64517 09987 18348 49435 51691 26271  
47685 97375 31590 83537 76993 48604 47173 31498 76681 46793  
81804 88740 01330 50866 68549 19179 81766 28134 54988 62376  
38126 95403 87941 93678 79511 18663 86316 09406 73006 84578  
25698 42905 08874 23881 99601 38543 63970 29421 79455 85354  
46658 39585 67578 69061 28673 05152 85908 07397 34675 94668  
84631 69918 88956 08487 95198 72824 58463 48692 08119 54004  
10799 32753 30673 03312 22466 03903 31872 40570 11058 91488  
11982 85128 02710 12958 98610 11977 21347



**15985/14885/13885 kHz, 13-11, 0910/0930/0950 UTC**

01555 00139 29022 10709 76486 54059 36365 00481 21263 52964  
24970 97052 79574 49901 55278 58465 18869 27455 41731 09139  
28010 76021 90206 20706 98353 67439 44337 72860 12512 22508  
93277 15256 56377 76639 34092 31301 35775 20449 22020 37219  
62212 25588 37475 59973 53933 50060 53272 86005 67731 38264  
61095 14979 84070 02288 73694 36934 93732 60876 48976 24409  
11023 88004 08762 52217 66415 93798 79357 86174 31406 43558  
90415 31608 94779 42150 65220 67965 81875 93147 57729 21558  
73876 47336 39733 31219 15449 41904 24872 39582 32044 38176  
28600 57318 26920 32647 20865 99598 35373 57139 82436 12597  
37085 62936 14129 28085 35387 55680 87267 12770 51992 26234  
39734 66459 43847 28216 42851 14421 67598 07255 88584 09304  
34093 39758 04963 93387 34264 29132 08309 53362 53858 77294  
47904 94329 81404 03766 97649 37389 80007 28907 03808 00832  
16562 16203

**16297/15871/14803 kHz, 15-11, 0800/0820/0840 UTC**

**13383 /12213/11221 kHz, 15-11, 0800/0820/0840 UTC**

00245 00916 28040 48141 44908 03010 75423 10411 37392 09844  
74732 16921 61593 73709 44927 60977 05572 37192 40205 22355  
62750 24456 06240 15860 92784 31975 47411 87060 83531 88894  
63756 34907 15701 31121 35161 66376 42938 19957 48098 25527  
67680 11039 71232 86310 32557 55178 01190 76027 99550 35670  
62313 31005 60349 59234 15131 47044 98462 88066 65071 95065  
32239 00908 60665 75620 78677 55422 96490 76071 78070 69413  
39857 46554 56779 96658 15903 88861 51289 07916 00536 01280  
92832 89819 67848 44889 17597 09642 76051 22961 09720 32141  
62498 27951 83481 97225 25278 20294 88126 51169 52343 74810  
69889 10706 24012 91126 76539 91741 81197 90235 44006 11223  
62552 03599 93397 02133 98871 35468 79504 55677 54335 11036  
80884 74838 48901 08242 45457 44410 15199 70657 07382 64324  
39501 36309 39727 97904 01771 72621 00267 29086 17663 19003  
94274 11894 09099 27155 06142 35140 71691 57425 00135 16660  
38443 32850 60496 93074 43905 95781 68436 97168 29919 96176  
86925 09493 75034 86026 12481 53705 33013 08176 92221 79571  
35814 51010 61330 34803 94366 90174 68092 74977 87079 88827  
20531 82244 50363 80402 85135 13578 11901 63784 52421 84341  
74898 69189 46453 41257 53567 61916 79161 72925 61989 87887  
71865 38212 50012 55846 11090 44769 82049 50407 90800 60754  
29425 60961 90513 39616 41876 02093 36126 87783 51797 85666  
74590 11755 30927 38355 51781 23997 56426 80225 70139 42414  
02111 57777 82789 76669 26197 40386 08747 34201 13446 52332  
85821 30147 53817 94206 33547 91621 16067 49533 22836 84367  
10379 50342 24825 83133 98964 04189 48959 13271 46101 84677  
52937 30638 18457 44324 50429 37955 67313 28686 06989 51537  
41331 58544 51072 34315 58463 80523 11681 54098 32131 95165  
18371 66602 43312 35267 94331 36044 29962 38865 87074 08017  
43586 64058 95169 53788 56518 13691 46979 93005 87285 35479  
61122 78405 38143 25460 12630 73754 59994 35642 19042 06843  
81768 44725 31850 38199 78939 12219 04216 41210 97498 91548  
15946 91476 11634 88686 16989 94049 96827 55757 27558 80150  
14677 56046 40977 53459 30113 41401 83548 50042 95292 28773  
45657 03542 41027 15491 42929 78190 63667 36977 15518 75910  
63868 16359 21536 05354 55720 96732 28084 25085 72374 09257  
22365 16568 48037 40694 54407 21979 04250 04332 69490 82000  
92202 77392 96868 05436 96378 50508 91860 72232 31402 90800  
38740 29526 61203 88150 73003 82248 52405 03468 86066 18464  
09202 07601 06131 47253 44562 02442 07508 59484 27348 15651  
46939 64671 73281 21155 43300 70081 56828 47101 13677 95435  
94197 02931 53865 14906 49034 16631 26621 14957 18885 74015  
45460 03756 45629 96644 65435 61176 66576 62011 76492 52696  
08569 81014 91089 80853 76437 91509 35215 80878 51862 56594

53068 33299 76911 39831 81178 68811 35564 04621 48981 81658  
67186 32382 55076 10370 93617 91269 41235 54700 70795 87219  
88948 21016 29798 42711 73373 85658 28161 62843 33538 83811  
69102 45210 75423 38172 24388 37994 56442 37036 09735 79304  
91099 25228 65365 01900 67711 26920 34845 36440 74849 56085  
59208 24987 55015 26812 46502 18216 55175 32862 86674 14797  
88961 84177 31722 94361 07283 70750 61247 66556 80198 68455  
71077 06123 87660 28345 38702 96296 85203 50467 05217 13496  
75092 93057 33165 34634 13665 86520 61328 35284 29993 63664  
77045 38344 28841 19872 71792 14738 49883 81874 42841 41571  
65946 50123 91059 39903 00127 42388 09912 90418 80635 32347  
41441 53661 26243 01830 24825 04774 29903 84496 53795 17194  
13044 93190 15929 37115 66964 97873 22822 89463 52585 03402  
46048 54305 24458 87700 32570 31014 52848 62337 45400 08906  
26498 21245 44269 05961 54335 88469 51941 97966 59883 02810  
58281 82139 47550 24840 26306 65595 59264 68033 66562 83370  
54408 85224 27173 44913 33504 60678 21790 15275 16880 84728  
34246 29352 88532 00272 81162 74606 13384 89328 12656 30559  
82909 22629 72290 54694 16990 65598 69107 93392 63130 99651  
84518 12992 66732 71221 10668 85681 69070 24915 63465 95813  
76330 77930 66085 75920 31165 76908 26443 05673 44619 92608  
36510 55682 07848 91645 29295 85075 50925 61347 48852 66129  
76156 43652 04926 98692 88160 31779 24788 89460 24817 99582  
70101 94442 26950 67048 04089 39090 45942 12679 44937 65211  
28191 20217 94538 76438 30344 65613 77978 54929 19599 98550  
91827 15655 73179 24752 37146 45344 79103 68706 07371 87707  
40027 29453 61117 82142 37791 63428 67379 79820 73169 85293  
56373 63101 94167 98410 94835 06093 01492 04532 37711 31490  
90094 17923 02170 89236 53086 16722 81193 90541 24302 16903  
39025 60132 40705 81130 74724 09064 47689 90847 98226 17253  
04696 81885 69588 74816 73761 82562 26534 00620 72090 93338  
78185 77987 55152 94237 67608 53861 58175 35677 31755 20460  
50051 92100 48271 63408 48454 50156 48166 48555 14563 48038  
86475 76416 90546 57606 87847 02820 69767 74309 83496 18108  
72079 08005 47200 02868 13618 53976 11733 49076 93354 00486  
89416 46884 78243 20975 11199 79067 58017 17578 80129 01811  
01634 67428 45118 88172 55187 09808 60957 42760 33284 39040  
20186 59754 79342 35644 50468 12344 19495 58081 45123 40750  
72594 15504 26202 74396 54729 08233 14746 83543 03039 82195  
06784 35304 23263 78734 39866 13431 77373 57893 30500 71301  
95742 17123 90986 59438 00700 23859 00311 20851 75663 21645  
76921 97739 79622 86873 41920 53168 17392 31102 53454 88345  
52810 56715 56058 95608 75747 16482 60612 89286 63947 92974  
22357 04339 92998 49939 02731 35377 87639 47141 35997 44062  
03583 04933 51551 15504 78525 53867 94757 52899 08705 19385  
89914 18328 66264 04076 97513 91463 69019 95506 69612 45064  
78515 13885 03692 65174 59919 01499 30826 74858 66655 32795  
84318 79325 99982 95324 27588 82455 73530 87639 10157

**11529/13429/13929 kHz, 15-11, 0800/0820/0840 UTC**

01286 00001 00000 35261

**7849/6854/5823 kHz, 15-11, 1200/1210/1220 UTC**

**9387/9048/8192 kHz, 15-11, 1200/1210/1220 UTC**

00565 00306 09663 53887 53298 13017 52645 57281 73491 76523  
28246 24736 27630 83108 71070 29280 48885 79183 09819 96083  
44445 18534 21931 39883 81377 82871 58455 04323 94740 90595  
98254 21677 89729 36471 96543 44977 87921 66903 97554 06556  
26875 33710 81999 19502 77342 20093 78415 29168 38704 78563  
01529 42353 22783 07846 27919 89395 44462 63210 95635 01964  
90191 21320 59408 88157 65647 61559 60655 33540 49905 91647  
19397 44614 16734 43845 53653 75597 54187 76680 96398 71660  
62192 83869 88739 64957 86035 89665 59891 22269 37081 09902

32192 92733 86214 90826 41263 06124 90641 27861 04920 75942  
01638 19561 31584 80891 11116 92056 57694 83260 32258 88081  
66920 99578 89905 64546 57288 89537 02139 87495 87471 33292  
42626 84141 94207 68507 80697 72465 57512 76970 36985 45495  
57123 46648 60495 28170 98893 20733 28410 85378 09484 32022  
53796 68181 38306 75397 74399 03050 00508 80544 03464 26426  
88155 00805 27680 33227 70847 30647 49881 19957 82481 27561  
83249 80682 03331 29769 43759 45934 64038 07393 12136 48178  
29877 46654 20336 62041 55837 12494 64242 65363 40840 09879  
17653 61595 21708 88819 18416 47327 14792 87605 59401 23862  
10668 22598 97313 74879 01854 14494 19705 17910 52715 76373  
74061 02126 88557 09352 04774 74606 51766 68185 96641 77145  
82743 27323 55160 71990 27492 47266 02257 23223 94940 35043  
58242 18729 45753 23587 49651 78999 87821 29726 45038 47417  
09169 61625 28820 76540 25313 89377 94829 95225 03463 57720  
72904 45921 68955 80531 14299 90677 02060 74774 35908 23915  
52318 29004 38250 47258 43787 65107 61522 88877 73630 43403  
40321 24432 68938 23922 69581 06483 21172 57310 43440 93348  
14177 55510 59600 56202 49828 24072 63901 80407 02204 46345  
21223 15894 04793 29691 52232 17783 50529 50769 21556 54371  
40420 08801 38058 08597 22099 36676 74068 55328 71745 41966  
69399 20536 31134 97363 45310 05535 17019 71176 61211

**8126/6826/5326 kHz, 15-11, 1600/1620/1640 UTC**

06887 00001 00000 40666

**18492/17462/16072 kHz, 16-11, 0700/0710/0720 UTC**

**15825/14703/13371 kHz, 16-11, 0700/0710/0720 UTC**

00556 00352 67987 70684 78540 59376 83029 77342 71361 79937  
62345 74824 62302 36688 87066 63812 50088 68660 38006 46348  
02038 80768 36788 62506 38076 06083 00331 38608 52978 61108  
21284 11376 29738 22364 65300 09380 05000 98580 26856 65686  
37473 67072 08366 78728 36351 85843 63426 20264 07760 41289  
77382 64953 19646 73114 76088 68657 83955 89609 80732 10302  
09141 17595 87485 80087 87116 68757 65636 81533 04641 06974  
18423 38885 39929 21107 64856 31605 08805 70383 82680 14358  
85608 60858 22924 30862 27187 47045 97016 51929 61790 72436  
05636 13924 80509 51758 21675 09179 13674 40755 22680 65705  
65844 98875 00022 54765 43197 04878 52123 54234 51994 00355  
28141 33864 50080 88887 00318 23156 81316 60600 05588 58085  
02363 05858 80305 36823 62685 36323 22285 67576 00020 82335  
80858 84420 30705 68358 60262 50385 20865 23606 02370 84073  
08958 77223 70577 22033 33387 38533 00755 41388 50378 06699  
73539 74183 82881 51803 08266 28586 72545 74368 80538 22352  
96468 91956 88216 66335 28333 82765 03066 06856 55688 08382  
68800 03038 64306 38555 87888 70332 08838 23066 87568 00626  
22833 88003 08608 74023 88887 21288 53170 80588 23835 80582  
60388 33860 87317 67909 78031 58637 26462 48286 40980 59858  
10584 70072 57689 12693 74134 69226 50045 21515 38561 74198  
23920 78138 78717 56126 07439 99427 28333 10738 39137 50485  
02828 58531 73966 94375 48743 15153 85666 99157 35420 90577  
06631 14486 07902 27296 93802 84534 19471 28255 45297 55308  
17507 88512 69145 03189 35742 40836 30542 44393 43028 44846  
23505 59083 79258 54610 69245 94467 01464 05496 43565 40543  
07739 21045 15402 64508 09646 33581 99026 24171 84045 98439  
94453 00276 86125 15149 23880 59287 48191 44496 21413 23783  
46037 56557 18491 94211 70277 19757 21442 78725 78824 47493  
70676 34266 69975 93973 16953 81933 45729 15679 35169 88065  
07751 11138 14922 11784 47170 65355 91383 68218 04397 85948  
61220 35945 67588 01185 29693 03102 05878 78070 09752 28416  
63085 75290 94814 08700 21485 31070 19046 65011 25171 60612  
40403 59131 55588 93457 48588 69768 35846 05000 73695 79381  
26038 55526 52458 06117 43440 02521 76855 64461 59734 48115  
08117 92637 39219 94992 53265

**10653/9353/8153 kHz, 16-11/19-11, 1100/1120/1140 UTC**

00837 00074 17160 43160 58695 86349 01354 89401 75287 55668  
26801 70104 49459 82105 81674 78241 98180 75852 07015 85335  
06594 87696 98962 31530 88732 11782 25669 30388 72732 80415  
20004 70067 27002 32617 95880 93173 94121 49788 00069 61108  
67583 89136 87014 36647 57413 32041 43736 65350 06946 10840  
43297 87252 38507 75891 78991 08330 17327 49681 18468 89307  
00156 48224 43108 91724 15015 88427 33856 25864 47700 08340  
45690 51435 63699 39357 83232 52706 62463

**14783/13883/12183 kHz, 16-11/20-11, 1200/1220/1240 UTC**

07879 00164 22625 76787 15062 54240 94094 12852 02595 85485  
77576 15002 11272 25118 47580 89311 33530 37476 06780 85123  
61834 20804 03743 50928 42075 32387 78677 66723 76846 40832  
54963 96807 49780 18089 03806 24228 45699 79659 74065 45814  
76286 65252 52634 73897 05179 65635 53899 17921 00354 72748  
02026 65631 09049 64879 44094 14988 22303 82327 63115 53439  
53342 39910 11155 18947 99683 26782 73407 22433 85964 36674  
73554 17681 32067 09235 87897 01868 49526 74928 71241 27304  
55220 64584 16875 69762 08285 27412 47219 52305 45448 55619  
45387 87929 63518 45124 87958 78286 45661 46264 78252 26978  
80131 14767 22041 47577 04267 20505 19043 26071 42763 47132  
19644 20489 58972 89467 96419 93913 36410 59224 48918 84480  
66670 00574 53642 91140 46095 61963 41246 30227 65689 60142  
60613 12301 54031 62441 64282 50884 96098 73397 45419 45460  
54296 39122 59051 89812 95276 09495 65805 19557 57101 10946  
05297 94456 64124 51977 78620 93722 36174 06770 14263 21924  
40985 86682 10755 16868 98460 51956 16326

**10223/9223/8123 kHz, 16-11/18-11, 1600/1620/1640 UTC**

06237 00165 59713 22094 28802 17989 81099 68077 55161 50569  
50106 57352 62241 92761 41977 83242 42401 70883 03567 47861  
71916 16613 99524 78985 52180 34212 93633 57822 43207 11816  
18079 56337 75176 57946 13537 81996 10758 10625 90306 26707  
87424 01807 01991 28680 37928 01098 47961 05240 99236 22665  
43237 69605 34417 36222 18376 34843 27941 59453 46743 01058  
66709 90538 82096 63060 95510 48182 14368 81569 40637 56062  
00336 62765 35767 41867 35628 12681 12800 28271 32853 46166  
95662 34426 55190 49692 33913 25130 78204 19092 49809 87349  
44346 71609 36110 44581 61201 18684 08678 57603 83853 66636  
44334 78100 88677 18329 57805 09584 16015 03375 50502 04423  
72363 26399 24025 76770 08078 76353 26081 11107 91326 15487  
26751 57225 90413 36583 75557 63739 39406 70131 75940 04285  
47270 52818 70498 34450 40063 62627 95832 97071 64805 93158  
67779 61049 73616 07923 82407 47855 27194 13277 12762 19422  
70098 18303 35187 78628 21755 93965 81543 69183 70301 97432  
89332 63977 25601 93706 65070 94152 66541 26535

**11529/13429/13929 kHz, 17-11, 0800/0820/0840 UTC**

07907 00001 00000 41257

**10968/12168/13368 kHz, 17-11/19-11, 1200/1220/1240 UTC**

08437 00166 77696 94583 68400 86390 43807 54606 20433 68601  
95336 24456 60280 63251 82430 61277 91658 13969 77737 98955  
01443 71959 02623 02742 04695 28338 80969 67574 24144 01216  
66408 76298 63318 64469 78537 41741 58662 40299 63754 60292  
76984 76886 38226 91348 72216 36961 54234 41192 85262 46675  
26700 02574 47671 92171 12014 21013 61275 66373 65997 33487  
27160 90354 94392 32533 82653 73140 06211 26941 49505 69886  
28987 01331 93797 87214 49797 24361 82514 51738 62864 06682  
30906 79356 03749 88620 17021 95073 75855 32632 19708 28241  
43512 18138 03337 84665 16276 44732 67889 31753 42871 30753  
03886 27786 22702 59515 16695 35982 15220 55827 30636 89562

01726 68969 60379 37395 31081 48273 93494 38488 10476 86569  
46579 76120 10061 06007 19842 52881 67944 72540 52379 89634  
74533 27555 01145 60774 62049 76776 68033 52147 58764 89774  
59274 03813 44582 10544 62211 17152 46260 06243 87821 46623  
57664 39693 12350 78681 32469 13832 63084 81766 30039 42821  
80198 18766 39192 44199 44330 81311 04615 52255 05532

**15985/14885/13885 kHz, 20-11, 0910/0930/0950 UTC**

07126 00001 00000 34661

**8126/6826/5326 kHz, 20-11, 1600/1620/1640 UTC**

04566 00001 00000 36662

**11529/13429/13929 kHz, 22-11/24-11, 0800/0820/0840 UTC**

00117 00133 51814 17976 61190 90014 76916 67034 67536 00186  
85350 51865 86589 33639 49910 66211 43570 89621 18110 90978  
36709 06740 38267 15530 09038 08658 06574 08012 26948 61604  
58290 71493 12592 95493 31820 79657 58685 62643 83991 64376  
59740 41681 45318 08491 11072 26219 52262 94141 39746 61566  
03106 67236 65927 78869 03668 49878 70904 01512 65244 22183  
87701 41314 90478 73013 39587 28975 33596 11141 52231 04880  
73517 34256 94546 25381 64230 37123 40879 87371 20676 26249  
36382 75117 28205 59235 91922 74835 38481 83578 26190 49393  
47427 43343 08012 42406 54961 53123 29457 36054 57504 22025  
29993 85984 80382 81722 54063 52826 36128 81555 53954 83814  
20062 01134 60467 52756 45590 66197 32997 98728 29196 98372  
05934 97213 02161 54107 29871 41445 79133 59463 09068 22051  
55596 36669 43782 18987 92995 57173

**17413/15852/13363 kHz, 22-11/24-11/29-11, 0910/0930/0950 UTC**

00143 00140 99454 92216 81206 13523 61487 12366 45458 86248  
73795 73622 66038 13591 02268 20659 60482 69466 62934 53343  
21356 11300 52668 40919 02941 78253 72067 70464 06420 83099  
10690 58804 30128 40653 36571 90448 74736 11124 12819 64625  
94406 95184 25169 64672 06030 92101 13474 26381 51415 49148  
30299 36578 51865 45985 88411 89706 36117 87218 15229 32170  
08594 12732 07407 27816 65238 89530 38774 85813 68610 00434  
72304 79121 22593 85783 59308 65652 19487 69875 11621 91657  
00186 61928 59858 73691 37667 42096 12507 39183 49154 39227  
60822 30483 52138 00578 99312 44775 48726 39569 42460 52470  
89724 41546 66696 26371 33909 03645 46425 61310 31898 97940  
91688 68596 04747 75407 01142 48330 99827 41344 74523 26195  
35644 35534 06208 60126 54710 48340 24256 57732 42931 83782  
95119 40272 24354 27107 96982 21705 45609 40659 53000 06139  
48709 13103 76300

**8126/6826/5326 kHz, 22-11/27-11, 1600/1620/1640 UTC**

00636 00237 03140 48454 54119 98494 08012 38912 73519 34768  
12559 88802 69847 02960 23523 10826 42940 21937 00748 78929  
20510 93962 50111 85104 10271 46353 28500 59268 56811 18003  
34487 71000 49852 46303 02631 71701 54708 02069 26372 39195  
89225 52284 09543 07584 35236 52931 55988 81050 61233 98242  
22751 69320 37419 55870 78652 51903 21427 61835 35539 50259  
39476 49510 72809 17594 03529 60063 46143 38574 40904 61020  
21970 74597 01711 56034 73095 50304 83358 62111 89267 71062  
12087 07812 92803 42695 31746 20371 34385 62384 48464 49646  
92211 95997 34995 85421 00342 64166 40753 34288 14369 62372  
34471 48681 57847 44202 86732 98677 99800 46562 56816 22316  
23720 38410 65214 75539 93531 47499 34660 31132 26954 80220  
04551 18236 31968 37491 14495 55909 26118 32501 60203 10778  
58692 37188 16408 60929 59917 97716 00955 53678 02125 84309  
81852 62147 10792 65084 48353 32872 82542 95563 68163 51809  
34001 03298 18341 97095 04809 13013 20019 56557 60502 99096

72075 75019 32461 16228 37368 79088 08830 32318 55883 05106  
16491 64357 11928 06995 72731 95305 58661 36707 85692 21214  
24183 24493 89266 94188 83151 98424 56577 46846 99759 25668  
46340 61456 82778 10142 35412 46495 10290 48482 72428 15104  
14231 05606 26937 89210 02863 43318 68409 95334 14158 11016  
13317 60671 57701 75198 58170 63406 94261 72399 97145 41900  
92041 22215 27480 58182 99402 20854 22341 62855 73546 99502  
55585 10758 52776 50015 02724 49859 69209 80836 78665 77610

**10653/9353/8153 kHz, 23-11/26-11/30-11, 1100/1120/1140 UTC**

00614 00144 08039 26674 99659 96107 84408 55435 91571 98438  
69301 73395 75680 13747 49244 01424 70873 45723 53903 30326  
41146 58405 98795 40606 87271 68428 76448 73941 42114 16036  
08544 30599 14906 80168 22247 71883 70025 62951 59701 65768  
72961 94276 88297 19886 77050 47485 17644 07565 31043 71544  
28226 58857 07850 56269 08899 36837 22488 52329 64966 79258  
22951 99462 05415 06319 38288 70504 57248 12563 40687 09157  
49924 69807 39546 76838 23198 62455 00138 76430 34924 82485  
60184 48324 75408 07106 37248 65429 86238 91554 38864 85067  
57674 29250 49098 35741 18456 63922 32207 21999 25652 38173  
78894 49893 82305 88283 60153 61575 92914 02865 07104 50262  
11014 59199 91973 43078 79291 50508 71046 86204 44029 59237  
25582 13864 63838 84202 76667 16235 00828 18343 83867 33715  
49620 69547 93742 81510 73906 53190 91620 48969 03454 00162  
90538 86476 19588 50897 59219 48487 54535

**14783/13883/12183 kHz, 23-11/28-11, 1200/1220/1240 UTC**

03391 00146 56711 84670 64088 80130 59109 31849 77760 31517  
92635 13595 37615 31644 93511 28361 83477 74698 34658 04914  
49527 32506 12220 87257 52694 72238 64634 88723 56480 82961  
44698 71601 53948 97378 81786 34387 51949 84485 51050 17042  
24835 72524 60305 89922 38039 22754 84786 26684 30953 21466  
43399 31009 36034 05691 92726 04788 80474 40611 52285 50138  
66239 14709 58415 63808 40336 27677 00570 84479 32942 49811  
13280 43324 68767 28373 90994 22269 06243 44053 95894 79802  
73556 99312 79371 83803 23760 65280 59014 57244 50481 05729  
83899 26829 62019 42074 37197 74139 14537 65853 08176 77633  
33791 60488 12671 82971 76832 82076 97831 50684 91919 91722  
85615 91969 03133 94764 60007 46904 45057 41021 00394 43735  
67244 28324 69318 35130 13029 22147 44228 00134 72191 78746  
36934 97880 21132 22523 16927 12364 53608 53924 46090 65985  
64029 16363 96921 43313 74147 97064 71219 61839 07056

**10223/9223/8123 kHz, 23-11, 1600/1620/1640 UTC**

06730 00001 00000 34661

**13393/12193/11093 kHz, 24-11, 1100/1120/1140 UTC**

01929 00001 00000 42253

**10968/12168/13368 kHz, 24-11/26-11, 1200/1220/1240 UTC**

07528 00078 26072 50359 05708 18233 41620 12100 00333 67502  
55566 22675 06630 47478 30688 92340 57139 51667 45247 23720  
74613 06552 29316 40417 53648 00735 44466 77119 28689 01179  
09228 79175 35308 88896 84242 64961 06404 77334 40371 81581  
33646 08853 56896 48233 83393 97351 92281 01785 37825 22411  
52255 66703 25193 63779 91600 94551 72085 78836 05791 28474  
23736 44552 17164 68628 70974 71180 42974 88694 03096 45892  
66385 37577 80313 52067 88889 90855 04296 94477 31534 51153  
13461

**11431 kHz, 25-11, 0835 UTC**

06602 00135 25270 16147 97003 51843 73029 24561 37859 21782  
34442 20213 71647 85088 60524 19511 43920 28597 11424 21481  
61995 39200 25199 31344 90117 45281 95605 34077 26484 50531  
08931 60820 76491 79146 91662 25261 40960 15388 36760 62577  
69171 92318 07115 67789 16252 23965 00594 59251 92198 55613  
95675 07548 53658 02160 74270 94277 77736 43734 73765 65517  
33906 43976 54870 75393 65722 37514 38193 48762 13978 35058  
02671 85772 77832 73936 97662 35039 76033 01485 91935 35651  
96698 36047 25385 07402 59086 78218 79529 10040 41902 48184  
60526 05821 54850 29093 06007 39052 97372 73268 52824 03300  
48154 90552 05202 70123 97307 78757 96057 15823 68737 09707  
92060 64176 02072 44721 22896 00027 81688 75340 63053 47913  
52494 63100 64808 96285 91314 82252 30991 56731 43344 25964  
85154 49255 40586 55992 28870 58871 32514 33764

**15895/14885/13885 kHz, 25-11, 0910/0930/0950 UTC**

06270 00078 07396 98491 04592 80123 84032 50546 98498 95293  
77253 30254 38075 21189 97761 54982 24920 30779 17033 04911  
27124 00073 45387 98600 20593 61076 77609 88592 93404 94744  
84675 77678 58550 14109 92539 78619 13025 00044 05863 87752  
27617 13254 05613 58854 78789 99777 81939 37133 11444 07927  
18825 73848 44938 45347 39812 90002 54926 43004 38763 34110  
71835 67223 87875 59894 87999 84500 75727 33570 23142 50402  
31143 52443 14816 33710 03489 22271 76810 77653 96785 19600  
32041

**13393/12193/11093 kHz, 25-11, 1100/1120/1140 UTC**

04695 00001 00000 36665

**10223/9223/8123 kHz, 25-11, 1600/1620/1640 UTC**

09211 00001 00000 32662

**15985/14885/13885 kHz, 27-11, 0910/0930/0950 UTC**

06270 00078 07396 98491 04592 80123 84032 50546 98498 95293  
77253 30254 38075 21189 97761 54982 24920 30779 17033 04911  
27124 00073 45387 98600 20593 61076 77609 88592 93404 94744  
84675 77678 58550 14109 92539 78619 13025 00044 05863 87752  
27617 13254 05613 58854 78789 99777 81939 37133 11444 07927  
18825 73848 44938 45347 39812 90002 54926 43004 38763 34110  
71835 67223 87875 59894 87999 84500 75727 33570 23142 50402  
31143 52443 14816 33710 03489 22271 76810 77653 96785 19600  
32041

**11529/13429/13929 kHz, 29-11, 0800/0820/0840 UTC**

00592 00089 91408 14536 35076 15527 32031 14729 28050 76710  
34173 96840 44815 17222 66781 06801 70156 24388 88821 94744  
44949 69151 77576 36366 02432 36483 81640 46917 22066 34414  
65054 80941 39080 05277 72588 32237 31344 38489 30607 43323  
17991 10390 21214 53449 55317 47458 53856 60140 03588 51908  
35386 72538 69354 26649 28874 37094 71487 25644 74067 12878  
98167 76387 46848 90813 84480 68835 62306 78707 36066 65120  
34057 36336 94786 46207 42961 85426 63545 08862 72360 25418  
96256 92852 59893 99484 80525 62810 40975 30104 15846 58797  
29345 52323

**8126/6826/5326 kHz, 29-11, 1600/1620/1640 UTC**

03900 00001 00000 35653

**14783/13883/12183 kHz, 30-11, 1200/1220/1240 UTC**

00345 00152 22858 56992 48149 89309 06135 01154 52568 92801  
04108 62587 30900 02232 56341 73331 90752 19692 33832 65139  
60597 72608 82896 54744 66262 47951 87593 13081 45090 48917  
91488 42519 50178 45326 34031 47134 07805 89943 11360 37668  
60391 90082 89366 74336 15417 77325 73585 94692 67933 30789  
68993 76911 10957 92727 91469 88841 93885 94624 25482 79052  
45666 71163 65683 99799 84075 04927 45261 39305 82834 49485  
14405 26118 82451 93836 13148 42900 94699 00818 11226 53188  
84740 05554 12627 76707 50901 27309 48132 30586 58178 72505  
00280 43398 87373 15723 42178 40302 01759 34994 68018 12770  
30922 31200 75110 39301 95550 90065 30379 92987 08499 05062  
79342 15873 44419 46920 00048 33113 41044 50398 16782 02665  
66289 92826 03688 89337 50926 60804 87926 57901 71504 35051  
76498 70619 82787 22915 30797 52162 21257 84707 49605 73061  
73728 17927 39642 27329 64836 82360 53645 05298 05997 33306  
84664 64901 30406 26980 21122

**10223/9223/8123 kHz, 30-11, 1600/1620/1640 UTC**

00664 00193 27290 13352 19056 65650 56487 64749 02504 07497  
54436 54697 77893 02005 04168 86175 93644 36104 77293 87997  
94563 08452 26366 69321 54272 18794 86859 21176 11848 62564  
77922 34176 47847 86356 45061 94734 59322 79376 65098 33409  
98570 99026 60484 21442 14471 61060 00291 91819 04592 18090  
28042 14582 50796 93902 95265 84351 52787 75740 35491 53710  
30509 06228 78409 30720 16165 39370 99703 00754 28488 71406  
87292 26967 04460 30410 90913 65974 32323 92000 46806 40168  
44042 88197 03226 47831 64571 92532 76397 47451 15211 83055  
52229 58321 19962 89754 21175 15697 76709 68158 09774 68924  
92632 47986 94508 41326 53151 27359 82849 62355 86242 77782  
58762 31533 18177 52198 41015 94796 38110 52796 25499 96407  
93858 15405 44029 24394 65371 33527 47308 17351 63500 40829  
98429 96803 05982 94232 05182 98052 58234 00031 92981 34781  
25719 77181 57133 23888 60774 61297 89614 45120 88305 74936  
70729 11651 99403 75903 57319 43309 48460 44752 07845 40700  
47802 36096 30469 36823 07291 87052 44537 07820 38480 23720  
36515 50762 56401 40878 94508 09657 08923 87753 55432 06918  
03612 38831 29625 29650 76863 21461 14859 64638 42423 06158  
09082 08269 16879 96434 02505 50513

**XPB1****Regular schedules**

13446 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0600 UTC  
14446 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0610 UTC  
14946 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0620 UTC  
15846 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0630 UTC  
16146 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0640 UTC  
17446 kHz, 01-11/02-11/08-11/09-11/15-11/16-11/22-11/23-11/29-11/30-11, 0650 UTC

13894 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1100 UTC  
13394 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1110 UTC  
12194 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1120 UTC  
11494 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1130 UTC  
11094 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1140 UTC  
10494 kHz, 01-11/06-11/08-11/12-11/15-11/20-11/22-11/27-11/29-11, 1150 UTC



7876 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2000 UTC  
 7576 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2010 UTC  
 6876 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2020 UTC  
 5876 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2030 UTC  
 5376 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2040 UTC  
 4476 kHz, 02-11/07-11/09-11/14-11/16-11/21-11/23-11/28-11/30-11, 2050 UTC

16353 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1200 UTC  
 15953 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1210 UTC  
 14953 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1220 UTC  
 13453 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1230 UTC  
 12153 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1240 UTC  
 11453 kHz, 06-11/10-11/12-11/17-11/20-11/24-11/27-11, 1250 UTC

#### Short-lived XPB1 schedules

17472 kHz, 01-11, 0700 UTC	17459 kHz, 02-11, 0600 UTC	17464 kHz, 02-11, 0900 UTC
16306 kHz, 01-11, 0710 UTC	16263 kHz, 02-11, 0610 UTC	No other transmissions found
15856 kHz, 01-11, 0720 UTC	15829 kHz, 02-11, 0620 UTC	
		17411 kHz, 02-11, 0900 UTC
20083 kHz, 01-11, 0700 UTC	17359 kHz, 02-11, 0900 UTC	16059 kHz, 02-11, 0910 UTC
19309 kHz, 01-11, 0710 UTC	No other transmissions found	15861 kHz, 02-11, 0920 UTC
18238 kHz, 01-11, 0720 UTC		
	13393 kHz, 01-11, 1200 UTC	14779 kHz, 02-11, 0900 UTC
20658 kHz, 01-11/02-11, 0800 UTC	12214 kHz, 01-11, 1210 UTC	13374 kHz, 02-11, 0910 UTC
19548 kHz, 01-11/02-11, 0820 UTC	11157 kHz, 01-11, 1210 UTC	12101 kHz, 02-11, 0920 UTC
18058 kHz, 01-11/02-11, 0840 UTC	11123 kHz, 01-11, 1220 UTC	
		16278 kHz, 02-11, 1000 UTC
17442 kHz, 01-11/02-11, 0800 UTC	10154 kHz, 01-11, 1400 UTC	15802 kHz, 02-11, 1010 UTC
16153 kHz, 01-11/02-11, 0820 UTC	9387 kHz, 01-11, 1410 UTC	14585 kHz, 02-11, 1020 UTC
15964 kHz, 01-11/02-11, 0840 UTC	9057 kHz, 01-11, 1420 UTC	
	8136 kHz, 01-11, 1430 UTC	12157 kHz, 02-11, 1010 UTC
20711 kHz, 01-11, 0810 UTC	7465 kHz, 01-11, 1440 UTC	10913 kHz, 02-11, 1020 UTC
No other transmissions found	6726 kHz, 01-11, 1450 UTC	

## DIPLOMATIC STATIONS

### Egyptian diplomatic stations

14371.7 kHz, 04-11, 1437 UTC, SITOR-A 100/170	Egyptian diplo i.p.
16221.7 kHz, 19-11, 1033 UTC, SITOR-A 100/170	MFA Cairo wkg unid embassy. End: KY+? HUXD
16222 kHz, 19-11, 1036 UTC, CODAN	99901: MFA Cairo messages to unid embassy

## CLANDESTINE STATIONS, TARGETED RADIO & JAMMERS

### Russian-Ukrainian radio war

7100 kHz, 02-11, 1654 UTC, LSB	Singing, yelling, foul language
7055 kHz, 02-11, 1654 UTC, LSB	Singing, yelling, foul language
7055 kHz, 03-11, 1456 UTC, LSB	Anti Putin slogan loops. Odd sounds. Music.
7060 kHz, 03-11, 1458 UTC, LSB	Anti Russia and anti Putin slogan loops.
7055 kHz, 05-11, 1521 UTC, LSB	Anti Russia propaganda. Jammed
7055 kHz, 09-11, 1652 UTC, LSB	Singing, anti Russia propaganda. Loop message
7070 kHz, 26-11, 1350 UTC, LSB	Music
7055 kHz, 26-11, 1355 UTC, LSB	Anti Russia propaganda, yelling, singing. Many stations on top of each other

### Target: Turkey

11530 kHz, 10-11, 1420 UTC, AM	Radio Dengê Welat. Program in Kurdish to Turkey
11530 kHz, 10-11, 1420 UTC, AM	Radio Recep Erdogan jamming Radio Dengê Welat.
11530 kHz, 17-11, 0730 UTC, AM	Radio Denge Welat. Program in Kurdish to Turkey
11530 kHz, 17-11, 0753 UTC, AM	Radio Recep Erdogan jamming Radio Denge Welat

**Target: Cuba**

11860 kHz, 10-11, 1508 UTC, AM	Radio Marti. Program in Spanish. Jammed by Cuba
11930 kHz, 10-11, 1508 UTC, AM	Radio Marti. Program in Spanish. Jammed by Cuba
13820 kHz, 10-11, 1508 UTC, AM	Radio Marti. Program in Spanish. Jammed by Cuba

**Target: Pakistan/Aghanistan**

12140 kHz, 10-11, 1459 UTC, AM	VOA Radio Ashna. Program in Pashto
12075 kHz, 10-11, 1455 UTC, AM	VOA Radio Ashna. Program in Pashto
13590 kHz, 11-11, 1533 UTC, AM	VOA Deewa Radio. Program in Pashto

**Target: Iran**

12005 kHz, 10-11, 1452 UTC, AM	Radio Farda. Program in Persian
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**Target: Tibet**

9315 kHz, 10-11, 1240 UTC, AM	Radio Free Asia. Program in Tibetan. Jammed by China
11760 kHz, 10-11, 1440 UTC, AM	Radio Free Asia. Program in Tibetan
9315 kHz, 11-11, 1230 UTC, AM	Radio Free Asia. Program in Tibetan. Jammed by China

**Target: North Korea**

7590 kHz, 11-11, 1445 UTC, AM	North Korea Reform Radio. Program in Korean to North Korea
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**Target: South Sudan**

15550 kHz, 11-11, 1510 UTC, AM	Radio Tamazuj. Program in Arabic to Sudan
15150 kHz, 11-11, 1510 UTC, AM	Radio Tamazuj. Program in Arabic to Sudan

**Target: Ethiopia**

15160 kHz, 11-11, 1520 UTC, AM	Radio Tigray Media House. Program in Tigrinya
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**Target China:**

18900 kHz, 19-11, 0930 UTC	Jammer from China. This frequency is used by The Voice of Hope.
16160 kHz, 19-11, 1020 UTC, AM	Voice of Hope
9315 kHz, 26-11, 1345 UTC, AM	Radio Free Asia jammed by China

**UTILITY ROUND-UP****North Korean military****3758 kHz, 10-11, 1916 UTC, i.p.**

VVV 83P DE 48V QRU ...  
2481 2481 SK SK T T

**4414 kHz, 15-11, 2015 UTC. i.p.**

VVV 8F8 (x3) DE 2GK (x2) QRU  
8370 8370 SK 0 0

**Unid MFSK**

I copied these MFSK transmissions on 29 and 30 Nov and 1-4 Dec. I assume fixed schedules. I haven't found other slots yet.

Messages are sent 6 times with ca 20 secs space between the transmissions, depending on the length of the message. Might be shorter or longer.

8795 kHz 29-11/30-11/01-12/02-12/03-12/04-12, 1230 UTC, MFSK.

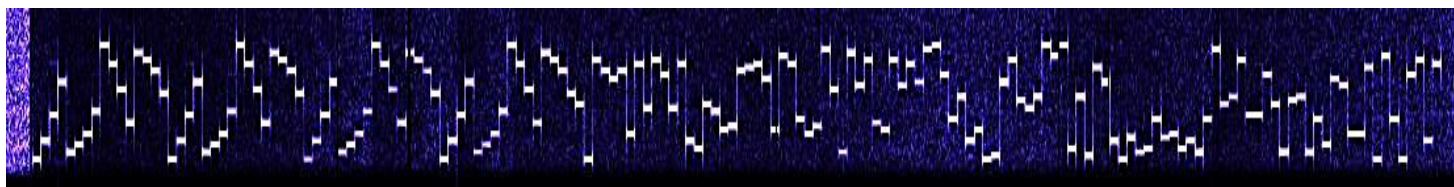
9081 kHz 29-11/30-11/01-12, 1330 UTC, MFSK.

Recordings:

[8795 kHz, 02-12-2021, 1230 UTC](#)

[9081 kHz, 02-12-2021, 1330 UTC](#)

[8795 kHz, 03-12-2021, 1230 UTC](#)



Complete message

## EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-11	1845	Irish Man	30 chr EAM 3WNNHI 2EZKSVVZXUWHXDGSNHW4BIJ6
02-11	2025	Firehose	21 chr EAM 74JPAY ETOXWE7YVPY7DD6
04-11	0107	Graphite	17 chr EAM 746OHQ U5FXS2QLKYQ
04-11	0202	Graphite	30 chr EAM 3W23GP Y5EAEKDVIWLKOTEAKQJZBGRO
04-11	1737	Graphite	30 chr EAM 74W7OY 5APCZMJZKEPA44QFWUWKNZJT
04-11	1801	Graphite	30 chr EAM 3WX56C QMDKYN4FPKJOLQUJ4UPTKF
04-11	1819	Graphite	30 chr EAM 74QE4E UEJCZUA3QAIRJVFRCLIE4DO
05-11	1603	Railroad	30 chr EAM for Bravo Force, for Charlie Force 74WXFO PGLQZX4MA5I5KSJPTJVL54G
05-11	2010	Railroad	30 chr EAM 74WJUC QMGOSNYLDTGO7OQTL6TXLFFX
05-11	2137	Railroad	42 chr EAM 74FCA3 HZOQJ2UV7LMZQA2MZQN2MZGNRHTCXEGDEDESQ
05-11	2152	Railroad	68 chr EAM 74VW6N L45X72P63MUZEO4CZEDMCWAOWHSW4FSSPUHW2TDW4JQSPA0-DOFDW4FASRSOW2PF
05-11	2203	Railroad	68 chr EAM 74TKFX ZYHY2AXXD6BR4P65R4JB5R4JDDJ4Y56BSXHDLOSTYP6VLBE4YO73UXYIATJYN2 (may contain errors, barely readable)
05-11	2210	Railroad	33 chr EAM 74KODQ LC2OCWEWXYDVHYOLAFBU3UKEAOW (may contain errors, barely readable)
06-11	2152	Sawblade	30 chr EAM for Tango Force 74FHC4 7ZX6EPSH2YH5X4BYEEVMYJCA
06-11	2207	Sawblade	30 chr EAM for Tango Force 74AZV4 6R2SUX3OQUI25YZPLULQHFTS
06-11	2325	Sawblade	30 chr EAM for Sierra Force 74LD6J 4HD3QPO6BF6FXRE43OSBXUOJ
06-11	2347	Sawblade	30 chr EAM for Sierra Force 74F7VB DT2A77KDUPYBGS5JJAG5VPEV
07-11	1709	Mandatory	30 chr EAM for Tango Force 74FOS2 FBBNU6DHISKYM6JFKQMLIWDP
14-11	1434	Advisory	30 chr EAM 3WLZAN 4OPTF5JERBVYPUOVY5RNP47V
14-11	1459	Advisory	30 chr EAM 3WLZAN 4OPTF5JERBVYPUOVY5RNP47V
14-11	1510	Advisory	30 chr EAM 3WNIJF OUKQA4A54A2NCRNAHVXTNWRK
14-11	1514	Advisory	30 chr EAM 3W77DY DIKTVVEHFXQ6TMWH6PGVIRMP
14-11	1521	Advisory	30 chr EAM 3WZMGF KDPRNEYQBCANSGLABUUQNO5X
14-11	1640	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	1800	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	1830	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	1900	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	1930	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	1933	Advisory	30 chr EAM 3W76Y7 KKVEWXHYBGRUWAIIRIGI2WJPF
14-11	1958	Advisory	30 chr EAM 3W76Y7 KKVEWXHYBGRUWAIIRIGI2WJPF
14-11	2002	Advisory	30 chr EAM 3WSEUM KZR3IXS6NAK3UJNDIFHKLJ7I
14-11	2030	Advisory	30 chr EAM 3W76Y7 KKVEWXHYBGRUWAIIRIGI2WJPF
14-11	2103	Advisory	30 chr EAM 3W76Y7 KKVEWXHYBGRUWAIIRIGI2WJPF
14-11	2132	Advisory	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
14-11	2200	Advisory	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
14-11	2203	Advisory	30 chr EAM 3W76Y7 KKVEWXHYBGRUWAIIRIGI2WJPF
14-11	2230	Advisory	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
14-11	2300	Advisory	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
14-11	2330	Advisory	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	0000	Pumpsheds	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	0030	Pumpsheds	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	0100	Pumpsheds	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	0130	Pumpsheds	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	0200	Pumpsheds	30 chr EAM 3WSZRH GWSDQ2U4JLKAGTKB4QW2DCXT
15-11	1559	Pumpsheds	30 chr EAM 3WBNVL FY72KRIRTZIYOXNYEC72QZGW
15-11	1630	Pumpsheds	30 chr EAM 3WBNVL FY72KRIRTZIYOXNYEC72QZGW
15-11	1635	Pumpsheds	30 chr EAM 3WBNVL FY72KRIRTZIYOXNYEC72QZGW

15-11	1642	Pumpshed	30 chr EAM 3WBNVL FY72KRIRTZIYOXNYEC72QZGW
15-11	1700	Pumpshed	30 chr EAM 3W3LCQ PNGOCV2YCPX3KXJV3WPN547L
15-11	1723	Pumpshed	30 chr EAM 3W3J4Q 44D2TIPZND2Y7SX7AD7IMEPR
15-11	1728	Pumpshed	30 chr EAM 3W6IVD FIYCFGLJGHG2YSBXRYRYKVTQH
15-11	1733	Pumpshed	30 chr EAM 3WPA3Y R5YBFLHEKQJJNMJKKZQ54U7X
15-11	1737	Pumpshed	30 chr EAM 3WPA3Y R5YBFLHEKQJJNMJKKZQ54U7X
15-11	1740	Pumpshed	30 chr EAM 3WPA3Y R5YBFLHEKQJJNMJKKZQ54U7X
15-11	1743	Pumpshed	30 chr EAM 3W6IVD FIYCFGLJGHG2YSBXRYRYKVTQH
15-11	1746	Pumpshed	30 chr EAM 3W3J4Q 44D2TIPZND2Y7SX7AD7IMEPR
15-11	1750	Pumpshed	30 chr EAM 3WQTNK LUNXDWQXPXHU2ENYS7V76HDN
15-11	1800	Pumpshed	30 chr EAM 3WQTNK LUNXDWQXPXHU2ENYS7V76HDN
15-11	1803	Pumpshed	30 chr EAM 3WPA3Y R5YBFLHEKQJJNMJKKZQ54U7X
15-11	1806	Pumpshed	30 chr EAM 3W6IVD FIYCFGLJGHG2YSBXRYRYKVTQH
15-11	1820	Pumpshed	36 chr EAM O7FGIR SRVPIMWEV47CRGH4EHNU4P7RJVFVB6
15-11	1832	Pumpshed	30 chr EAM 3WJXRR EDHDHEEDBHSBEPYAW5JRTEHD
15-11	1900	Pumpshed	30 chr EAM 3WJXRR EDHDHEEDBHSBEPYAW5JRTEHD
15-11	1930	Pumpshed	30 chr EAM 3WJXRR EDHDHEEDBHSBEPYAW5JRTEHD
15-11	2000	Pumpshed	30 chr EAM 3WJXRR EDHDHEEDBHSBEPYAW5JRTEHD
15-11	2030	Pumpshed	30 chr EAM 3WJXRR EDHDHEEDBHSBEPYAW5JRTEHD
15-11	2032	Pumpshed	30 chr EAM 3WZG5X 5Q7I36KQY7EGQKL56USVECGF
15-11	2100	Pumpshed	30 chr EAM 3WZG5X 5Q7I36KQY7EGQKL56USVECGF
15-11	2130	Pumpshed	30 chr EAM 3WZG5X 5Q7I36KQY7EGQKL56USVECGF
15-11	2200	Pumpshed	30 chr EAM 3WQ64L 3LNBRFQS7DQSF56JBOAODBVI
15-11	2202	Pumpshed	30 chr EAM 3WZG5X 5Q7I36KQY7EGQKL56USVECGF
15-11	2235	Pumpshed	30 chr EAM 3WQ64L 3LNBRFQS7DQSF56JBOAODBVI
15-11	2241	Pumpshed	30 chr EAM 3WFTLU GKPQIS2OWPAQOHLZNDQ7GV3H
15-11	2300	Pumpshed	30 chr EAM 3WFTLU GKPQIS2OWPAQOHLZNDQ7GV3H
15-11	2302	Pumpshed	30 chr EAM 3WQ64L 3LNBRFQS7DQSF56JBOAODBVI
15-11	2330	Pumpshed	30 chr EAM 3WFTLU GKPQIS2OWPAQOHLZNDQ7GV3H
16-11	0000	Pumpshed	30 chr EAM 3WFTLU GKPQIS2OWPAQOHLZNDQ7GV3H
16-11	0012	Pumpshed	30 chr EAM 3WFTLU GKPQIS2OWPAQOHLZNDQ7GV3H
16-11	1447	Race Kart	30 chr EAM 3WBCKB 5O2DVAR6LUKWF7EAGYZ4BPRO
16-11	1500	Race Kart	30 chr EAM 3WBCKB 5O2DVAR6LUKWF7EAGYZ4BPRO
16-11	1530	Race Kart	30 chr EAM 3WBCKB 5O2DVAR6LUKWF7EAGYZ4BPRO
16-11	1600	Race Kart	30 chr EAM 3WBCKB 5O2DVAR6LUKWF7EAGYZ4BPRO
16-11	1630	Race Kart	30 chr EAM 3WBCKB 5O2DVAR6LUKWF7EAGYZ4BPRO
16-11	1918	Race Kart	202 chr EAM VGX6HQ JX7WBKKQYULKND3KM3ILYEJE33JY4T4FQTQLLLLMK33YPIYBK6VG3BL3TCL SAAF2QFKZKNKOZKDDDDN2HD6E56N2NTSELTSHHHHC7PSPDDKAKQPV2PABKEEEEPLSB2YYYYGTZ 5CQCVYJJJJXYRQZBBOPZWYDIY7DDHHHHSN4XCVVYDRCGSKDZZSUUUUGQZ25Q5W3
16-11	1932	Race Kart	202 chr EAM VGX6HQ JX7WBKKQYULKND3KM3ILYEJE33JY4T4FQTQLLLLMK33YPIYBK6VG3BL3TCL SAAF2QFKZKNKOZKDDDDN2HD6E56N2NTSELTSHHHHC7PSPDDKAKQPV2PABKEEEEPLSB2YYYYGTZ 5CQCVYJJJJXYRQZBBOPZWYDIY7DDHHHHSN4XCVVYDRCGSKDZZSUUUUGQZ25Q5W3
16-11	2221	Race Kart	51 chr EAM O7E5GQ OSJRN4FPFFJEDDD6EDDGS4AVD57FNGXCU4AVZ5RHBVW3K
17-11	0034	Gas Mask	30 chr EAM 3WQB7H QXRS67TVPUAVPRFLHL7WX2YI
17-11	0100	Gas Mask	30 chr EAM 3WQB7H QXRS67TVPUAVPRFLHL7WX2YI
17-11	0130	Gas Mask	30 chr EAM 3WQB7H QXRS67TVPUAVPRFLHL7WX2YI
17-11	0200	Gas Mask	30 chr EAM 3WQB7H QXRS67TVPUAVPRFLHL7WX2YI
17-11	1617	Gas Mask	30 chr EAM for Burn-97 O7A2GX H63P2OIANRLM3XGXP432BE6L
17-11	1647	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1700	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1732	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1747	Gas Mask	30 chr EAM for Cement O7CAVJ VSD6M7VQP2XEAIKWUFIVUOJR
17-11	1800	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1803	Gas Mask	30 chr EAM FOR Cement O7BFFC SULS4GKDTESRYA6C2MCMZJFD
17-11	1820	Gas Mask	34 chr EAM O7PJQK CZIQBRMDEXPRHB3SWJQL22SGZ6MY
17-11	1830	Gas Mask	30 chr EAM for Cement O7LPOX KNNKLOY4NOQWBPKLLHQLX3IT
17-11	1832	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1846	Gas Mask	30 chr EAM for Cement O75QBY 32UL4USDBSB4P2NZ4EFQ3JOV
17-11	1900	Gas Mask	30 chr EAM 3W7OGN DR3KQ5HBXVDLJA6TIUATHZWJ
17-11	1916	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	1919	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	1926	Gas Mask	30 chr EAM for Cement O7OUTB OHNV5WVAQZGSERCGDGFUDET



17-11	1930	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	1934	Gas Mask	30 chr EAM for Cement 07OUTB OHNV5WVAQZGSERCGDGFUDET
17-11	1943	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
17-11	2000	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
17-11	2002	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	2030	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
17-11	2032	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	2030	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
17-11	2100	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
17-11	2103	Gas Mask	30 chr EAM 3WN5AG 2DVTZQJYZZOCVDMEHVP37IB4
17-11	2200	Gas Mask	30 chr EAM 3WEVOF G62ZUCDPFB5KG3SZXIUKEHM
18-11	0300	Brown Rat	30 chr EAM 3WEJGS PWZ4DOEKHPPTAOHGUOUVQADB
18-11	0412	Brown Rat	30 chr EAM 3WEJGS PWZ4DOEKHPPTAOHGUOUVQADB
18-11	0650	Brown Rat	30 chr EAM 3WZ4ZE ROTI4XPWO7N6USIIGRUZHWGA
18-11	0659	Brown Rat	30 chr EAM 3WZ4ZE ROTI4XPWO7N6USIIGRUZHWGA
18-11	0714	Brown Rat	30 chr EAM 3WPW4P LWGW4CEYXICRE4VYBY7UAH6S
18-11	0730	Brown Rat	30 chr EAM 3WPW4P LWGW4CEYXICRE4VYBY7UAH6S
18-11	0732	Brown Rat	30 chr EAM 3WZ4ZE ROTI4XPWO7N6USIIGRUZHWGA
18-11	1444	Brown Rat	30 chr EAM for Purbell-86 07QDKL XWZMHRNS4NNALJD6DM5DYTRU
18-11	1455	Brown Rat	30 chr EAM 3WE7WO W3CBD6LRADXXA4S33X2AJE7S
18-11	1500	Brown Rat	30 chr EAM 3WE7WO W3CBD6LRADXXA4S33X2AJE7S
18-11	1514	Brown Rat	30 chr EAM 3WR2BI TTA0J3SRDWMJGPZ6CGNLQ6HF
18-11	1628	Brown Rat	30 chr EAM 07W6ZK YAWSRNHURFPWYEKO6SJ765V
18-11	1640	Brown Rat	51 chr EAM 07YXOH FEWRDRCQYGAH74LMH74TQKROHZDJQWZHCKRO7Z4UZONOB
18-11	1659	Brown Rat	30 chr EAM 07QCNC PHTPVHDWX6UDP5FDLAQCJRYL
18-11	1721	Brown Rat	51 chr EAM 07YJBU TNCINKTH2IKUUEKCR7N4FNKLVEJLT2Q4NKLGYEABUKCO
18-11	1900	Brown Rat	30 chr EAM 3WKGTG JEDN7FJGQXPCTHSDF3Q4P5L6
18-11	1918	Brown Rat	30 chr EAM 3WOKC2 GBGNWPA2GCC6E6RI2SUY6DAV
18-11	1930	Brown Rat	30 chr EAM 3WOKC2 GBGNWPA2GCC6E6RI2SUY6DAV
18-11	1932	Brown Rat	30 chr EAM 3WKGTG JEDN7FJGQXPCTHSDF3Q4P5L6
18-11	2000	Brown Rat	30 chr EAM 3WOKC2 GBGNWPA2GCC6E6RI2SUY6DAV
18-11	2002	Brown Rat	30 chr EAM 3WKGTG JEDN7FJGQXPCTHSDF3Q4P5L6
18-11	2032	Brown Rat	30 chr EAM 3WOKC2 GBGNWPA2GCC6E6RI2SUY6DAV
18-11	2034	Brown Rat	30 chr EAM 3WKGTG JEDN7FJGQXPCTHSDF3Q4P5L6
18-11	2104	Brown Rat	30 chr EAM 3WOKC2 GBGNWPA2GCC6E6RI2SUY6DAV
18-11	2104	Brown Rat	30 chr EAM 3WKGTG JEDN7FJGQXPCTHSDF3Q4P5L6
19-11	1815	Top Rider	30 chr EAM for Anton-10 07S5YX 3OYILZVRYJS33YNGK2IXYA7H
19-11	1842	Top Rider	30 chr EAM 3WFNF3 63NOR7EPBQRJDEGAZ4YJ25AR
19-11	1903	Top Rider	30 chr EAM 3WFNF3 63NOR7EPBQRJDEGAZ4YJ25AR
19-11	1916	Top Rider	30 chr EAM 3WAT72 GDPFI4ZV5PTLUHI7QWZ6OELM
19-11	1930	Top Rider	30 chr EAM 3WAT72 GDPFI4ZV5PTLUHI7QWZ6OELM
19-11	1933	Top Rider	30 chr EAM 3WFNF3 63NOR7EPBQRJDEGAZ4YJ25AR
19-11	1942	Top Rider	30 chr EAM 3WZA2X PU6BDQWJNNLLUQVWH7V7ZYW2
19-11	2000	Top Rider	30 chr EAM 3WZA2X PU6BDQWJNNLLUQVWH7V7ZYW2
19-11	2003	Top Rider	30 chr EAM 3WAT72 GDPFI4ZV5PTLUHI7QWZ6OELM
19-11	2005	Top Rider	30 chr EAM 3WFNF3 63NOR7EPBQRJDEGAZ4YJ25AR
19-11	2009	Top Rider	30 chr EAM 3WNVTS QCSIVJJOTIDY2352BUPW5G6C
19-11	2013	Top Rider	30 chr EAM 3WDTXG IMIAREV233TYY5TNNHUDEMIBO
19-11	2016	Top Rider	30 chr EAM 3WWCFI V5GVZTPIGBOM6W7WNP4AHIQ
19-11	2032	Top Rider	30 chr EAM 3WPIKE BOCUQHFK4XN26L3EEVJ6Y4LU
19-11	2036	Top Rider	30 chr EAM 3WPIKE BOCUQHFK4XN26L3EEVJ6Y4LU
19-11	2039	Top Rider	30 chr EAM 3WPIKE BOCUQHFK4XN26L3EEVJ6Y4LU
19-11	2042	Top Rider	30 chr EAM 3WDTXG IMIAREV233TYY5TNNHUDEMIBO
19-11	2045	Top Rider	30 chr EAM 3WFAVU 4ZRXXKOVI2VCVR2Z3Z7FJ2WZ
19-11	2049	Top Rider	30 chr EAM 3WFAVU 4ZRXXKOVI2VCVR2Z3Z7FJ2WZ
20-11	0005	Top Rider	102 chr EAM BY4BOR FRYDQQRQHFWGKWW6WOUP6LPSAJJ3POSNN5P42RRPCRPMPUP6R466 PCWQCZFHWC5G7ZLLJXVZLBBZJ55CIUBFFPZDPZB623
20-11	0032	Attached	30 chr EAM 3WZRCG PLLNUURAYFZ7FHYYE33XKG6P
20-11	0100	Attached	30 chr EAM 3WZRCG PLLNUURAYFZ7FHYYE33XKG6P
20-11	0130	Attached	30 chr EAM 3WZRCG PLLNUURAYFZ7FHYYE33XKG6P
20-11	0200	Attached	30 chr EAM 3WZRCG PLLNUURAYFZ7FHYYE33XKG6P
20-11	0230	Attached	30 chr EAM 3WZRCG PLLNUURAYFZ7FHYYE33XKG6P

20-11	0800	Attached	30 chr EAM 3WFTOU unreadable
20-11	0814	Attached	30 chr EAM 3WWVEQ WXS7VAF CZFTWJ3VMPPLIVHWK
21-11	0731	Cummings	30 chr EAM 3WX3YC YNV6L3XZAH6VFPBX4HLBRWFX
21-11	0735	Cummings	30 chr EAM 3WX3YC YNV6L3XZAH6VFPBX4HLBRWFX
21-11	0738	Cummings	30 chr EAM 3WNWFU 4FNPZT3YL4B3B6UKFESUGYZP
21-11	1847	Cummings	30 chr EAM 3WQDTZ 2EKAQEEV7PD3EYREIXHYEVWA
21-11	1859	Cummings	30 chr EAM 3WQDTZ 2EKAQEEV7PD3EYREIXHYEVWA
21-11	1902	Cummings	30 chr EAM 3WT2D6 ADGBKNXUVB645BYSSW5PGSU4
21-11	1922	Cummings	30 chr EAM 3WQDTZ 2EKAQEEV7PD3EYREIXHYEVWA
21-11	1932	Cummings	30 chr EAM 3WT2D6 ADGBKNXUVB645BYSSW5PGSU4
21-11	2000	Cummings	30 chr EAM 3WQDTZ 2EKAQEEV7PD3EYREIXHYEVWA
21-11	2003	Cummings	30 chr EAM 3WT2D6 ADGBKNXUVB645BYSSW5PGSU4
21-11	2030	Cummings	30 chr EAM 3WQDTZ 2EKAQEEV7PD3EYREIXHYEVWA
21-11	2033	Cummings	30 chr EAM 3WT2D6 ADGBKNXUVB645BYSSW5PGSU4
21-11	2109	Cummings	30 chr EAM 3WKEDX QK4UMY7F353Z5RXWVIPU5BES
21-11	2129	Cummings	30 chr EAM 3W5XEI FUIYNOZHHE46OUGWVWOIR2U
22-11	1851	Ski Slope	30 chr EAM 3W72X7 WUPVPUPFL2DP72WL4P2QKRT3
22-11	1856	Ski Slope	30 chr EAM 3WTDVZ DH4XCOZGFTEAVIXJQE QBXEIP
22-11	1924	Ski Slope	30 chr EAM 3W3PIW OWGLOWEHFN63PZANHHKIBSOZ
22-11	1931	Ski Slope	30 chr EAM 3WCG6I AAS6S6PPSSQNKUQJRDQAMRHB
22-11	1934	Ski Slope	30 chr EAM 3W3PIW OWGLOWEHFN63PZANHHKIBSOZ
22-11	1937	Ski Slope	30 chr EAM 3WTDVZ DH4XCOZGFTEAVIXJQE QBXEIP
22-11	1941	Ski Slope	30 chr EAM 3WMUAV XZJGIEAK442OWLHVDVQ4W2EUK
22-11	1943	Ski Slope	30 chr EAM 3W72X7 WUPVPUPFL2DP72WL4P2QKRT3
23-11	0548	Concrete	68 chr EAM BYK6HL VKBKVXH2EYO6VNF DXTUZ6NFR3L27DBL3ZGOA5BPZLWSAJIL6POSNESPRL-RKXVW
23-11	0701	Concrete	142 chr EAM BYW7RI AQ4JRESTNUMD2AYTWW5SZULH55UWQXQ7AGQDDDD2LK6FUQDXUKDMD SGXEYYSUASPMVI2IMYVDVA4ZZLLLSGWG6XOS744H3HZZZOLLLJZV2AMXSMWYBLBL66GFFFFHM WGIDA3L
23-11	0916	Concrete	56 chr EAM 075XDU NMEBT3HMCNQXAW3BXA2FBXA233HVQUPJVUM7ZQHVUFUP7PHGUNE
23-11	1140	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1202	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1229	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1300	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1319	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1400	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1404	Concrete	30 chr EAM for John 077KPJ GBJHGJUSVWUEK7BIMH54MFMK
23-11	1430	Concrete	30 chr EAM 3WLQQE FB6AWE43UASVKYG7DMQVUNWP
23-11	1446	Concrete	30 chr EAM for John 070FQY VYC72DMMOBZRQCO3RQWTWUAOY
23-11	1602	Concrete	33 chr EAM 07UKTJ 3FY6M4NATXP KLPXD3P4EAQGUHPA
23-11	1606	Concrete	30 chr EAM 3WPEY7 PHQCNBH74REGS73C773EYLRG
23-11	1629	Concrete	30 chr EAM 3WPEY7 PHQCNBH74REGS73C773EYLRG
23-11	1633	Concrete	30 chr EAM 07GLY2 W63NGI5GFSLCYN2OY3I6CEE4
23-11	1659	Concrete	30 chr EAM 3WV3Q6 4DJTN5OZ6GU5X26YX7HYOA6Q
23-11	1702	Concrete	30 chr EAM 3WG4LE 3CLDLRF525K2ZYF56HUPZSIW
23-11	1705	Concrete	30 chr EAM 3WG4LE 3CLDLRF525K2ZYF56HUPZSIW
23-11	1708	Concrete	30 chr EAM 3WV3Q6 4DJTN5OZ6GU5X26YX7HYOA6Q
23-11	1710	Concrete	30 chr EAM 3WPEY7 PHQCNBH74REGS73C773EYLRG
23-11	1715	Concrete	38 chr EAM 07PTOH 7YQFZB4FKYBLWSKYGB5DIQL3PBCGLDA
23-11	1803	Concrete	30 chr EAM for John 07TTVC RIJ3TPL2O AEL6QRQROKFP5F
23-11	1812	Concrete	30 chr EAM 3WM77S ZECYLIIKPM6VOTOUW27P3VJ
23-11	1829	Concrete	30 chr EAM 3WXLG2 JAXEHSLLPYGYWNCZTJWGDR5Y
23-11	1832	Concrete	30 chr EAM 3WM77S ZECYLIIKPM6VOTOUW27P3VJ
23-11	1900	Concrete	30 chr EAM 3WXLG2 JAXEHSLLPYGYWNCZTJWGDR5Y
23-11	1902	Concrete	30 chr EAM 3WM77S ZECYLIIKPM6VOTOUW27P3VJ
23-11	1930	Concrete	30 chr EAM 3WXLG2 JAXEHSLLPYGYWNCZTJWGDR5Y
23-11	1932	Concrete	30 chr EAM 3WTP3B JFHPXAZBBG4PQ3MX6KQKBVOG
23-11	1935	Concrete	30 chr EAM 3WM77S ZECYLIIKPM6VOTOUW27P3VJ
23-11	2000	Concrete	30 chr EAM 3WTP3B JFHPXAZBBG4PQ3MX6KQKBVOG
23-11	2002	Concrete	30 chr EAM 3WXLG2 JAXEHSLLPYGYWNCZTJWGDR5Y
23-11	2005	Concrete	30 chr EAM 3WM77S ZECYLIIKPM6VOTOUW27P3VJ
23-11	2030	Concrete	30 chr EAM 3WKP3B JFHPXAZBBG4PQ3MX6KQKBVOG

23-11	2052	Concrete	30 chr EAM 3WCVO6 DGPOIPWOFLBJMVLL3FYHNILB
23-11	2100	Concrete	30 chr EAM 3WCVO6 DGPOIPWOFLBJMVLL3FYHNILB
23-11	2103	Concrete	30 chr EAM 3WTP3B JFHPXAZBBG4PQ3MX6KQKBVOG
23-11	2129	Concrete	30 chr EAM 3WCVO6 DGPOIPWOFLBJMVLL3FYHNILB
23-11	2132	Concrete	30 chr EAM 3WTP3B JFHPXAZBBG4PQ3MX6KQKBVOG
23-11	2159	Concrete	30 chr EAM 3WCVO6 DGPOIPWOFLBJMVLL3FYHNILB
23-11	2239	Concrete	30 chr EAM 3WCVO6 DGPOIPWOFLBJMVLL3FYHNILB
23-11	2332	Concrete	30 chr EAM 3WCETU MAMG2QRHZD7Q6NVILTICBVW6
24-11	0003	Ladybird	30 chr EAM 3WCETU MAMG2QRHZD7Q6NVILTICBVW6
24-11	0032	Ladybird	30 chr EAM 3W3RTG TFGGVTVDZY4CZS2AQ2O5XKQ
24-11	0034	Ladybird	30 chr EAM 3WCETU MAMG2QRHZD7Q6NVILTICBVW6
24-11	0100	Ladybird	30 chr EAM 3W3RTG TFGGVTVDZY4CZS2AQ2O5XKQ
24-11	0102	Ladybird	30 chr EAM 3WCETU MAMG2QRHZD7Q6NVILTICBVW6
24-11	0107	Ladybird	Skyking message: Dalton, Time 07, Authentication: BZ
24-11	0129	Ladybird	30 chr EAM 3W3RTG TFGGVTVDZY4CZS2AQ2O5XKQ
24-11	0131	Ladybird	30 chr EAM 3WCETU MAMG2QRHZD7Q6NVILTICBVW6
24-11	0200	Ladybird	30 chr EAM 3W3RTG TFGGVTVDZY4CZS2AQ2O5XKQ
24-11	0230	Ladybird	30 chr EAM 3W3RTG TFGGVTVDZY4CZS2AQ2O5XKQ
24-11	1502	Ladybird	30 chr EAM 3W7KKN MMJZ7YJGBBTG7KPEREE36V6
24-11	1513	Ladybird	30 chr EAM 3WJJB1 7BTEPW4UCLSDNXCMS6OK4XW5
24-11	1521	Ladybird	30 chr EAM 3WFQGC IHJ6KB6J7K2POXWRCZDINPC7
24-11	1524	Ladybird	30 chr EAM 3WH7B7 K7NVPCHENPFSFYKVPDLDOI2N
24-11	1528	Ladybird	30 chr EAM 3WARHE YQHFVWYR2CDCTN6VQ7KQUSBG
24-11	1532	Ladybird	30 chr EAM 3WARHE YQHFVWYR2CDCTN6VQ7KQUSBG
24-11	1535	Ladybird	30 chr EAM 3WH7B7 K7NVPCHENPFSFYKVPDLDOI2N
24-11	1539	Ladybird	30 chr EAM 3W2ZT3 JLCPKWHBLFOT7HICEUD6IOGC
24-11	1542	Ladybird	30 chr EAM 3WOR5W V4E3GJMEWPENDHFKW63A4EVK
24-11	1816	Ladybird	30 chr EAM 3WVWPW YQFGE2KEGTC3T6C5VWA37D56
24-11	1830	Ladybird	30 chr EAM 3WVWPW YQFGE2KEGTC3T6C5VWA37D56
24-11	1900	Ladybird	30 chr EAM 3WVWPW YQFGE2KEGTC3T6C5VWA37D56
24-11	1930	Ladybird	30 chr EAM 3WVWPW YQFGE2KEGTC3T6C5VWA37D56
24-11	2000	Ladybird	30 chr EAM 3WVWPW YQFGE2KEGTC3T6C5VWA37D56
26-11	1442	Kingcrab	30 chr EAM 3W7FDX DG3PFKD3GAXI4QYJRFI27T3D
26-11	1730	Kingcrab	120 chr EAM BYWWP3 DHDIG72XYCZIGOE- OYEPW6ZZC4MS3FNNSMNFQQQ7SQZLLJ67VX3GG5T5Q 2222JKFNUIFCIN2FFEF2TEEEE626QTTKUTQ3ZZK4WKKKKKAROGPCVH
26-11	1832	Kingcrab	30 chr EAM 3WPKDS FXURONTCDVO4TW5JVTOO2VFB
26-11	1900	Kingcrab	30 chr EAM 3WPKDS FXURONTCDVO4TW5JVTOO2VFB
26-11	1930	Kingcrab	30 chr EAM 3WPKDS FXURONTCDVO4TW5JVTOO2VFB
26-11	2000	Kingcrab	30 chr EAM 3WPKDS FXURONTCDVO4TW5JVTOO2VFB
26-11	2030	Kingcrab	30 chr EAM 3WPKDS FXURONTCDVO4TW5JVTOO2VFB
27-11	0148	Microfilm	30 chr EAM 3W7JU3 UIFWWYD57HOHF5WG4C7CJ3Z5
27-11	0152	Microfilm	30 chr EAM 3WQCY7 IJG6OIHO6EHFDEKSYODJ3IKX
27-11	0154	Microfilm	30 chr EAM 3WYFQS ULTI4ACGUXG5AFRZ5FYUHPR5
27-11	0201	Microfilm	30 chr EAM 3WYFQS ULTI4ACGUXG5AFRZ5FYUHPR5
27-11	0204	Microfilm	30 chr EAM 3WQCY7 IJG6OIHO6EHFDEKSYODJ3IKX
27-11	0207	Microfilm	30 chr EAM 3W7JU3 UIFWWYD57HOHF5WG4C7CJ3Z5
27-11	0506	Microfilm	30 chr EAM 47Z7EK K26SF4L6MFNLIDNPNE2XW6S7
27-11	0525	Microfilm	30 chr EAM 47WNEN OENDBE466XVWBT75CZN6R2A3
27-11	0528	Microfilm	30 chr EAM 47YENG QAEBI7TN44BPRVZAYKYIQWKE
27-11	0531	Microfilm	30 chr EAM 47PFQ6 NQS6RC7LXN3TIYBOMXHNBU7P
27-11	0535	Microfilm	30 chr EAM 47PFQ6 NQS6RC7LXN3TIYBOMXHNBU7P
27-11	0537	Microfilm	30 chr EAM 47YENG QAEBI7TN44BPRVZAYKYIQWKE
27-11	0540	Microfilm	30 chr EAM 47WNEN OENDBE466XVWBT75CZN6R2A3
27-11	1446	Microfilm	30 chr EAM 47HLAC 5W27X3IEQ67ZIA3TNKF2HDJR
27-11	1500	Microfilm	30 chr EAM 47HLAC 5W27X3IEQ67ZIA3TNKF2HDJR
27-11	1506	Microfilm	30 chr EAM 47XCWI WNXYEOKCKENEQLM745GSUKJY
27-11	1513	Microfilm	30 chr EAM 47JECW LCU2LMYINMYDZPK2INQWI4YV
27-11	1530	Microfilm	30 chr EAM 47JECW LCU2LMYINMYDZPK2INQWI4YV
27-11	1532	Microfilm	30 chr EAM 47XCWI WNXYEOKCKENEQLM745GSUKJY
27-11	1534	Microfilm	30 chr EAM 47HLAC 5W27X3IEQ67ZIA3TNKF2HDJR
27-11	1554	Microfilm	30 chr EAM 47HDFY 66DPEFKC47SOWOY6W2PJ2WGX



27-11	1559	Microfilm	30 chr EAM 473FXM MUJSZZ6ZVQZE3ABB7KDOECJH
27-11	1817	Microfilm	30 chr EAM 47WO4T OJIRVOXO3BNO74CGLQE4CV7N
27-11	1830	Microfilm	30 chr EAM 47WO4T OJIRVOXO3BNO74CGLQE4CV7N
27-11	1832	Microfilm	30 chr EAM 47CGJE ZJQPBFRYMBV3HWQLNNKRSVYX
27-11	1900	Microfilm	30 chr EAM 47CGJE ZJQPBFRYMBV3HWQLNNKRSVYX
27-11	1902	Microfilm	30 chr EAM 47WO4T OJIRVOXO3BNO74CGLQE4CV7N
27-11	1930	Microfilm	30 chr EAM 47CGJE ZJQPBFRYMBV3HWQLNNKRSVYX
27-11	1933	Microfilm	30 chr EAM 47WO4T OJIRVOXO3BNO74CGLQE4CV7N
27-11	2000	Microfilm	30 chr EAM 47CGJE ZJQPBFRYMBV3HWQLNNKRSVYX
27-11	2002	Microfilm	30 chr EAM 47WO4T OJIRVOXO3BNO74CGLQE4CV7N
27-11	2030	Microfilm	30 chr EAM 47CGJE ZJQPBFRYMBV3HWQLNNKRSVYX
28-11	0421	Nicholson	30 chr EAM 47VBVU UEU44W73ANIVGAF2TENF6R32
28-11	0430	Nicholson	30 chr EAM 47VBVU UEU44W73ANIVGAF2TENF6R32
28-11	0501	Nicholson	30 chr EAM 47VBVU UEU44W73ANIVGAF2TENF6R32
28-11	0512	Nicholson	30 chr EAM 47VBVU UEU44W73ANIVGAF2TENF6R32
28-11	0550	Nicholson	30 chr EAM 47W4XY VUP2X2ZVCQU7T6HAIY23UITO
28-11	1432	Nicholson	30 chr EAM 47ONF2 GDGS254RBNOE4ZA7S46D7LCI
28-11	1449	Nicholson	30 chr EAM 47RQ4V A53ZC7VGVIFLJGLIFLJHOCIW
28-11	1458	Nicholson	30 chr EAM 47B42D TBS7U435HMYMO6DZHVKEO25Y
28-11	1501	Nicholson	30 chr EAM 47Q27L TPFOTSYF26E2RXAIERHNWS7C
28-11	1504	Nicholson	30 chr EAM 47Q27L TPFOTSYF26E2RXAIERHNWS7C
28-11	1507	Nicholson	30 chr EAM 47B42D TBS7U435HMYMO6DZHVKEO25Y
28-11	1510	Nicholson	30 chr EAM 47RQ4V A53ZC7VGVIFLJGLIFLJHOCIW
28-11	1519	Nicholson	30 chr EAM 47M6Z4 LSRDVRQJYPQOXTJBJSXFUJH
28-11	1830	Nicholson	30 chr EAM 47VVKR2 P3EEDLFQPR3X7YJWHLJF7N34
28-11	1900	Nicholson	30 chr EAM 47VVKR2 P3EEDLFQPR3X7YJWHLJF7N34
28-11	1930	Nicholson	30 chr EAM 47VVKR2 P3EEDLFQPR3X7YJWHLJF7N34
28-11	2000	Nicholson	30 chr EAM 47VVKR2 P3EEDLFQPR3X7YJWHLJF7N34
28-11	2028	Nicholson	30 chr EAM 47EJHY DTTMDX2UFCBDFM2PT3KD3C7O
28-11	2031	Nicholson	30 chr EAM 476FUB OPODOTCWY2XHMQBOUOXBOKEI
28-11	2034	Nicholson	30 chr EAM 476FUB OPODOTCWY2XHMQBOUOXBOKEI
28-11	2037	Nicholson	30 chr EAM 47EJHY DTTMDX2UFCBDFM2PT3KD3C7O
28-11	2051	Nicholson	30 chr EAM 47RWBI PPB4GAR02QNPZAE6OJP3JXTD
28-11	2100	Nicholson	30 chr EAM 47RWBI PPB4GAR02QNPZAE6OJP3JXTD
28-11	2102	Nicholson	30 chr EAM 476FUB OPODOTCWY2XHMQBOUOXBOKEI
28-11	2105	Nicholson	30 chr EAM 47EJHY DTTMDX2UFCBDFM2PT3KD3C7O
28-11	2115	Nicholson	30 chr EAM 477UTF PXHNAGP36A7NZ2OT6T7JGR6M
28-11	2118	Nicholson	30 chr EAM 47OOCY OI52P5VKQGN2VW47EXOYLXUZ
28-11	2130	Nicholson	30 chr EAM 47OOCY OI52P5VKQGN2VW47EXOYLXUZ
28-11	2133	Nicholson	30 chr EAM 47PMDV XQRN4XYWHQ6NVPFIOVAEZQRO
28-11	2136	Nicholson	30 chr EAM 47OOCY OI52P5VKQGN2VW47EXOYLXUZ
28-11	2138	Nicholson	30 chr EAM 477UTF PXHNAGP36A7NZ2OT6T7JGR6M
28-11	2140	Nicholson	30 chr EAM 47RWBI PPB4GAR02QNPZAE6OJP3JXTD
29-11	0032	Sunspot	30 chr EAM 47BYP4 SEKUGM2BHJLZ5HSJ34KXQYFS
29-11	0100	Sunspot	30 chr EAM 47BYP4 SEKUGM2BHJLZ5HSJ34KXQYFS
29-11	0130	Sunspot	30 chr EAM 47BYP4 SEKUGM2BHJLZ5HSJ34KXQYFS
29-11	0200	Sunspot	30 chr EAM 47BYP4 SEKUGM2BHJLZ5HSJ34KXQYFS
29-11	0230	Sunspot	30 chr EAM 47BYP4 SEKUGM2BHJLZ5HSJ34KXQYFS
29-11	0539	Sunspot	30 chr EAM 47LZRP TCXFBYOGIRT752AHPVCLF57V
29-11	0543	Sunspot	30 chr EAM 475Q6X MVSP4MLFGGFDVJSL7GZXJK7
29-11	0600	Sunspot	30 chr EAM 475Q6X MVSP4MLFGGFDVJSL7GZXJK7
29-11	0602	Sunspot	30 chr EAM 47LZRP TCXFBYOGIRT752AHPVCLF57V
29-11	1257	Sunspot	30 chr EAM 47UGXB F7VDOCI7YYXDFVYK6KY2ZI3S
29-11	1707	Sunspot	30 chr EAM 47GMRG DUB24XRZSZYMA3PGSHTN3FLZ
29-11	1720	Sunspot	30 chr EAM 47TNHR 77XGCXYJQBY4MGTRJRD13GNH
29-11	1723	Sunspot	30 chr EAM 47L5PJ OJYJIOO4OUBB4ILWX7GOVCXM
29-11	1938	Sunspot	30 chr EAM 47VOEX LF6THL7ZFGSYFDCB7P6EXBNR
29-11	1943	Sunspot	30 chr EAM 47BM7H LTKAQEZW774WMUYHVQKOIPY7
29-11	1950	Sunspot	30 chr EAM 47QYSK WH2TDFLLKFZ25U2EQUO4F3TW
29-11	1954	Sunspot	30 chr EAM 47JLFP Q4XQ64HF3ZYDY7IBIEZ3AVIK
29-11	2003	Sunspot	30 chr EAM 47JLFP Q4XQ64HF3ZYDY7IBIEZ3AVIK
29-11	2005	Sunspot	30 chr EAM 47QYSK WH2TDFLLKFZ25U2EQUO4F3TW



29-11	2008	Sunspot	30 chr EAM 47BM7H LTKAQEZW774WMUYHVQKOIPY7
29-11	2028	Sunspot	30 chr EAM 47D2FH JEQODVGSFETLBAT6464GBLQO
29-11	2032	Sunspot	30 chr EAM 47D2FH JEQODVGSFETLBAT6464GBLQO
29-11	2035	Sunspot	30 chr EAM 47GQQW SERIGLY6ZWLQA24E65YDZQPV
29-11	2039	Sunspot	30 chr EAM 47D2FH JEQODVGSFETLBAT6464GBLQO
29-11	2042	Sunspot	30 chr EAM 47D2FH JEQODVGSFETLBAT6464GBLQO
29-11	2044	Sunspot	30 chr EAM 47JLFP Q4XQ64HF3ZYDY7IBIEZ3AVIK
29-11	2047	Sunspot	30 chr EAM 47QYSK WH2TDFLLKFZ25U2EQUO4F3TW
29-11	2320	Sunspot	30 chr EAM 47FE33 PPW3LXM2BFPZHA355QKDPJQL
29-11	2329	Sunspot	30 chr EAM 47FE33 PPW3LXM2BFPZHA355QKDPJQL
29-11	2348	Sunspot	30 chr EAM 47DWIQ WEN7OCCLUWJE62PT4CZ6VRYC
29-11	2351	Sunspot	30 chr EAM 472WVC 6OVFEBEWAU7Y5SDJZUHUGYKI
29-11	2354	Sunspot	30 chr EAM 47L6NO 4ECT4POEE6B2FPKPY3CXYD6N
30-11	0000	Kiwi Bird	30 chr EAM 47L6NO 4ECT4POEE6B2FPKPY3CXYD6N
30-11	0002	Kiwi Bird	30 chr EAM 472WVC 6OVFEBEWAU7Y5SDJZUHUGYKI
30-11	0004	Kiwi Bird	30 chr EAM 47DWIQ WEN7OCCLUWJE62PT4CZ6VRYC
30-11	0016	Kiwi Bird	30 chr EAM 47UCZM AT3GFGHKVDDBKQIBGWEHN7RT
30-11	0516	Kiwi Bird	30 chr EAM 47KI2D 2GI3724VRQMS2FJ3Z5BVN3F2
30-11	0558	Kiwi Bird	30 chr EAM 47KI2D 2GI3724VRQMS2FJ3Z5BVN3F2
30-11	0652	Kiwi Bird	30 chr EAM 47Z6OR WBRB6BYUWTP14ORERWK3HN6T
30-11	1607	Kiwi Bird	49 chr EAM 07XNIT XFIBN7U3Y4KVUSGF3LGNV54XMR6VUVLFDAY4HXTVKII
30-11	1629	Kiwi Bird	49 chr EAM 07XNIT XFIBN7U3Y4KVUSGF3LGNV54XMR6VUVLFDAY4HXTVKII
30-11	1638	Kiwi Bird	30 chr EAM 47M2JH 2NVNODHQPIILDKZMAUH6AF2G
30-11	1643	Kiwi Bird	30 chr EAM 47BAD3 SC7EXGJH4ODROX6K3IRSHGNU
30-11	1653	Kiwi Bird	30 chr EAM 07VUDT BL4ULM5XPZMKIMGCGIARWKV
30-11	1701	Kiwi Bird	30 chr EAM 47FBK2 OPCEWCWZ2SHP6KV3U4IXDFN6
30-11	1704	Kiwi Bird	30 chr EAM 47BAD3 SC7EXGJH4ODROX6K3IRSHGNU
30-11	1706	Kiwi Bird	30 chr EAM 47M2JH 2NVNODHQPIILDKZMAUH6AF2G
30-11	1709	Kiwi Bird	49 chr EAM 07XNIT XFIBN7U3Y4KVUSGF3LGNV54XMR6VUVLFDAY4HXTVKII
30-11	1832	Kiwi Bird	30 chr EAM 47MYNY HB36RWY76L7HWCJB2GNZFJXS
30-11	1932	Kiwi Bird	30 chr EAM 47W5KJ HTZOOHYV6H2T75MOO52B7WKM
30-11	1959	Kiwi Bird	30 chr EAM 47W5KJ HTZOOHYV6H2T75MOO52B7WKM
30-11	2002	Kiwi Bird	30 chr EAM 47MYNY HB36RWY76L7HWCJB2GNZFJXS
30-11	2030	Kiwi Bird	30 chr EAM 47W5KJ HTZOOHYV6H2T75MOO52B7WKM
30-11	2032	Kiwi Bird	30 chr EAM 47MYNY HB36RWY76L7HWCJB2GNZFJXS
30-11	2102	Kiwi Bird	30 chr EAM 47W5KJ HTZOOHYV6H2T75MOO52B7WKM

## RUSSIAN MILITARY TRANSCRIPTS

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

### Strategic messages

\*) Black Sea Fleet Sevastopol, voice callsign Gvozdika, monolit callsign 596E, working callsign RCV

5066 kHz, 17-11, 1413 UTC \*)

XXX XXX 596E 596E 99143 KNUTOKRUP 0218 9990 K.

RCV QYT4 QSX 4327 QWH 3824 AAA5 K

5759 kHz, 22-11, 1126 UTC

XXX XXX XHOP XHOP 40993 WKUSOKORD 8196 1046 BODOSHURF 2120 8035 K

6386 kHz, 22-11, 1126 UTC

XXX XXX XHOP XHOP 40993 WKUSOKORD 8196 1046 BODOSHURF 2120 8035 K

5759 kHz, 22-11, 1147 UTC

XXX XXX XHOP XHOP 17324 NRAGNRASH [?] 9738 1955 GROBORORM 6839 5872 K

4862 kHz, 22-11, 1210 UTC

XXX XXX SYJM[?] 40752 GROMOMOST 8287 1428 K

5376 kHz, 22-11, 1210 UTC

XXX XXX SYJM[?] 40752 GROMOMOST 8287 1428 K

4862 kHz, 22-11, 1214 UTC

XXX XXX XHOP XHOP 90091 WESOSHON 0655 5565 K

4649 kHz, 22-11, 1227 UTC

XXX XXX OM9Zh OM9Zh 51472 STYaGOPLAN 6630 9869 ZALOBERN 6631 8332 MRAKOBAJT

6965 6810 GERSOD 6990 3797 K

5863 kHz, 25-11, 1145 UTC

XXX XXX 2JZO 2JZO 73727 73717 K

XXX XXX 73727 QTR 1446 K

OK QAP K (but spacelessly keyed as "OKQAPK") OK K

## Monolith stations

### Channel markers

3243 kHz, 05-11, 1431 UTC Goose channel marker  
 3243 kHz, 05-11, 1710 UTC Goose channel marker  
 3243 kHz, 05-11, 1857 UTC Goose channel marker  
 3243 kHz, 05-11, 1722 UTC Goose channel marker

3510 kHz, 05-11, 1433 UTC Air Horn channel marker  
 3510 kHz, 85-11, 1711 UTC Air Horn channel marker  
 3510 kHz, 17-11, 1858 UTC Air Horn channel marker  
 3510 kHz, 24-11, 1733 UTC Air Horn channel marker

3756 kHz, 05-11, 1435 UTC, S30 kHz, Pip channel marker  
 3756 kHz, 08-11, 1712 UTC, S30 kHz, Pip channel marker  
 3756 kHz, 17-11, 1900 UTC, S30 kHz, Pip channel marker  
 3756 kHz, 24-11, 1734 UTC, S30 kHz, Pip channel marker

3828 kHz, 05-11, 1436 UTC, S32 kHz, Squeaky Wheel channel marker  
 3828 kHz, 08-11, 1713 UTC, S32 kHz, Squeaky Wheel channel marker  
 3828 kHz, 17-11, 1901 UTC, S32 kHz, Squeaky Wheel channel marker  
 3828 kHz, 24-11, 1735 UTC, S32 kHz, Squeaky Wheel channel marker

4625 kHz, 05-11, 1437 UTC, S28 kHz, Buzzer channel marker  
 4625 kHz, 08-11, 1715 UTC, S28 kHz, Buzzer channel marker  
 4625 kHz, 17-11, 1902 UTC, S28 kHz, Buzzer channel marker  
 4625 kHz, 24-11, 1737 UTC, S28 kHz, Buzzer channel marker

4770 kHz, 05-11, 1439 UTC Alarm channel marker  
 4770 kHz, 08-11, 1717 UTC Alarm channel marker  
 4770 kHz, 17-11, 1903 UTC Alarm channel marker  
 4770 kHz, 24-11, 1738 UTC Alarm channel marker

### Western District

4625 kHz, 22-11, 1134 UTC, S28	NZhTI 94211 ZVUCHANIYe 4638 1726 KLINOK 0979 2679
4625 kHz, 22-11, 1152 UTC, S28	NZhTI 85983 MYSOV' *SBOJ SBOJ SBOJ* (due to reading V as Viktor instead of Vasilij) NZhTI 85983 MYSOV'YuK 9812 8351 - transmitter abruptly fails and cuts out. NZhTI 85983 MYSOV'YuK 9812 8351 BOBINA 3725 2702
4625 kHz, 22-11, 1218 UTC, S28	NZhTI 81566 PANIROVKA 5821 6631

### Southern District

5448 kHz, 17-11, 1332 UTC, S30	JVB1 SBYTOSYeV 212 ChYeSTNOST' 251 ShchITONARY 260
5473 kHz, 17-11, 1335 UTC, S32	Al'fa-45 SBYTOSYeV 212 ChYeSTNOST' 251 ShchITONARY 260
5372 kHz, 22-11, 1120 UTC	N'ZhJ 83601 VYGADYVAN'Ye 2364 5658
5372 kHz, 22-11, 1121 UTC	N'ZhJ 42114 MOShNA 2052 3374
5448 kHz, 22-11, 1138 UTC, S30	JVB1 71539 DOMOChADYeC 4862 8689 YeDINICA 8905 1194
5473 kHz, 22-11, 1142 UTC, S32	Al'fa-45 57649 VRUNOTIF 1581 7029
5448 kHz, 22-11, 1158 UTC, S30	JVB1 02878 INDIVIDUUM 1083 3118 BARSOVYJ 0539 8707
5473 kHz, 22-11, 1202 UTC, S32	Al'fa-45 15846 PRISKORBNYJ 0540 3243
5372 kHz, 22-11, 1203 UTC	N'ZhJ 43471 NYeGNUSchchIJSYa 9859 7748
4940 kHz, 22-11, 1208 UTC	Tros-28 ya Baron-78 - Baklan - 52704 KADIL'NICA 4505 9341
5372 kHz, 22-11, 1213 UTC	N'ZhJ 56686 IONOSFYeRA 8804 7634
5448 kHz, 22-11, 1218 UTC, S30	JVB1 08767 LIDSOSVOD 1030 8075
5473 kHz, 22-11, 1220 UTC, S32	86801 otstavit [forgot callsign] Al'fa-45 86801 GIKOHRAP 6118 1345
5448 kHz, 22-11, 1222 UTC, S30	JVB1 HLADOSRAM 168 ShchITONARY 160
5473 kHz, 22-11, 1224 UTC, S32	Al'fa-45 HLADOSRAM 168 ShchITONARY 160

## Russian military voice transmissions

### RMv – Russian Military

**Znamya, 5045 kHz. Sends on Mon, Tue, Wed, Thu, sometimes on Fri. 10-counts before the actual message**

01-11/07-11	No transmissions
08-11, 1411 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 7257. 16 chasov 15 minut konec svyazi
09-11, 1414 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4418. 16 chasov 15 minut konec svyazi
10-11, 1410 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2645. 16 chasov 14 minut konec svyazi
11-11, 1410 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1523. 16 chasov 15 minut konec svyazi
12-11, 1411 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3454. 16 chasov 15 minut konec svyazi
15-11, 1413 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3839. 16 chasov 15 minut konec svyazi
16-11, 1412 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi
17-11, 1417 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3159. 16 chasov 14 minut konec svyazi
18-11, 1413 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi
23-11, 1412 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9673. 16 chasov 15 minut konec svyazi
24-11, 1411 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8752. 16 chasov 14 minut konec svyazi
25-11, 1413 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 6593. 16 chasov 14 minut konec svyazi
26-11, 1412 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1729. 16 chasov 14 minut konec svyazi
29-11, 1412 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4124. 16 chasov 15 minut konec svyazi
30-11, 1412 UTC	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi

### RNV – Russian Navy

**6164 kHz, 05-11, 0905 UTC. Black Sea Fleet**

Atmosfera to Poema

pervaya signal: 1 na 17 na vseh / 30 / 3 / 520 / 396 / 12 / 10 / 192 / 138

### RADv – Russian Air Defense

5050 kHz, 05-11, 1416 UTC. Russian Air Defense. Reading bearings and test counts

## Russian military morse transmissions

### M32 - Russian / CIS Military CW Stations

8821 kHz, 08-11, 0630 UTC	VVV VVV VVV VVV
8821 kHz, 08-11, 0700 UTC	marker S (R5)
8821 kHz, 08-11, 0730 UTC	marker S (R5)
8821 kHz, 08-11, 0800 UTC	marker S (R5)
8821 kHz, 08-11, 0830 UTC	marker S (R5)
8821 kHz, 08-11, 0900 UTC	marker S (R5)
8821 kHz, 08-11, 0930 UTC	marker S (R5)
8821 kHz, 08-11, 1000 UTC	marker S (R5)
8821 kHz, 08-11, 1030 UTC	marker S (R5)
8821 kHz, 08-11, 1100 UTC	marker S (R5)
8821 kHz, 08-11, 1130 UTC	marker S (R5)
8821 kHz, 08-11, 1200 UTC	marker S (R5)
8821 kHz, 08-11, 1230 UTC	marker S (R5)
8821 kHz, 08-11, 1300 UTC	marker S (R5)
8821 kHz, 08-11, 1330 UTC	marker S (R5)
8821 kHz, 08-11, 1400 UTC	marker S (R5)
8821 kHz, 08-11, 1430 UTC	marker S (R6) Last transmission

**5596 kHz, 12-11, 1709 UTC, i.p.**

..GL DE NLCW QTC K

NLCW 244 30 12 2000 244 = 109 =

48427 43377 44134 36996 16896 14896 44180 40484 01444 04481

78221 11402 40283 92102 34806 79060 47886 57886 41701 01974

22870 89434 43063 16149 87481 77248 23270 48437 76496 12027

109 K

**5411.5 kHz, 25-11, 0118 UTC**

KMST QTC K

AS AS

KMST 768 64 25 0215 768 =

11111 64765 63330 62337 36806 44540 28651 56017 55163 08508 ...

**8002 kHz, 25-11, 0158 UTC**

8SQO 870 35 25 0430 870 = .83 =T 11111 54171 68213 88403 81824 11514 ...

M32a - Russian Navy
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**4244.5 kHz, 04-11, 1203 UTC, i.p.**

RCQD 313 15 4 1500 313 =

FM RCQD

FOR RJH45 RJH48 RJE60 =

0412.

604 10050 40230 54000 70220 22200 00050 =

AR RCQD K

R CQD RPT 3113 IIII

RCQD RPT 313 15 4 1500 313 =

FM RCQD

FOR RJH45 RJS48 RJE60 =

04121 99504 11560 41598 63604 10050 40230 54000 70220 22200 00050 =

AR RCQD K

RCQD OK QRU K

RJI40 550 15 4 1500 550 =

FM RJI40

FOR RJH45 RJH48 RJE60 =

04121 99518 11584 41698 12345 10028 40221 57004 70210 82243 22212 = AR

RJI40 K

RJI40 RPT 41698 82243 K

RJI40 OK QRU K

**8191 kHz, 10-11, 0730 UTC**

REO REO REO DE RMP RMP QTC 649 23 10 1012 649

11111 95513 75275 03231 95761 72815 92029 65626 81383 82853

50128 88382 57296 30848 43549 58461 53659 73699 52049 05343

05581 16477 10022 AR

**7861 kHz, 10-11. 1902 UTC**

RDU2 DE RAL2 QSA ? K

RHW2 DE RAL2 QSA ? K

RAL2 DE RHW2 QSA 1 K

RBL. DE RAL2 QSA ? K

RAL2 DE RFH2 QSA NO K

RFH2 DE RAL2 QSA NO QRU VA

RAL2 DE RHW2 QSA 1 ? K

RHW2 DE RAL2 QSA NO AAJ QRU VA

QRU VA

RDU2 DE RAL2 QSA ? K

**4244 kHz, 17-11, 1145 UTC, i.p.**

RJI39 QRU R K  
RJI40 QSA ? QTC K  
RJI40 294 15 17 1500 294 =  
FM RJI40  
FOR RJH45 RJH48 RJE60 =  
17121 99483 11536 41597 32712 10002 40072 52002 70210 82243 22213 = AR RJI40 K  
RJI40 OK QRU K  
VVV RCC RCC DE RCQD RCQD QSA ? QTC K  
804 15 17 1500 804 =  
FM RCQD  
FOR RJE60 RJH45 RJH48 =  
1718. 99483 11537 41598 729.3 10030 .0070 54020 70220 22212 00060 = AR RCQD K  
RCQD QRU K

**3351 kHz, 17-11, 1950 UTC, i.p.**

VVV RCQD DE RCC QSA ? QTC K  
RCQD DE RCC QTC K  
RJI40 DE RCC K  
RCC 313 26 17 2220 313 =  
FM RCC  
FOR RJI40 RCQD =  
11111 23866 45674 67619 46728 ...

**6323 kHz, 28-11, 0613 UTC, i.p.**

RGR99 RGR99 RGR99 DE RGR98 RGR98 ZSA ZSA K  
RGR98 DE RGR99 ZSA5 R K

M32b - Russian Naval Air Transport
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**8816 kHz, 01-11, 0945 UTC, i.p.**

09415 DE RJF94 QSA 1 QRV K  
RJC38 RPT K  
VVV RJC38 RJF94 DE 09415 QSA ? QTC K  
09415 DE RJF94 QSA 1 QRV K  
09415 DE RJC38 QSA 1 QRV K  
09415 QTO 0935 QRD XLAA XL.R QRE 1135 QBD 0630 RPT AR K  
RJF94 RPT AL K  
09415 RPT QTO 0935 QRD XLAA XLDR QRE 1135 QBD 0630 RPT AR K  
RJF94 RPT AL K

M32c - Russian Air Force
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**4649 kHz, 22-11, 1140 UTC**

REA4 REA4 = 22140 99900 21120 62596 81997 20902 11168 21192 80001 = REA4 K

## LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	3243	5-11	1431	Fri	Russian military. Goose channel marker	USB	(ChPa)
---	3510	5-11	1433	Fri	Russian military. Air Horn channel marker	USB	(ChPa)
---	4770	5-11	1439	Fri	Russian military. Alarm channel marker	USB	(ChPa)
---	3243	5-11	1710	Fri	Russian military. Goose channel marker	USB	(ChPa)
---	3510	5-11	1711	Fri	Russian military. Air Horn channel marker	USB	(ChPa)
---	3243	5-11	1722	Fri	Russian military. Goose channel marker	USB	(ChPa)
---	3243	5-11	1857	Fri	Russian military. Goose channel marker	USB	(ChPa)
---	4770	8-11	1717	Mon	Russian military. Alarm channel marker	USB	(ChPa)
---	3510	17-11	1858	Wed	Russian military. Air Horn channel marker	USB	(ChPa)
---	4770	17-11	1903	Wed	Russian military. Alarm channel marker	USB	(ChPa)
---	5372	22-11	1120	Mon	N'ZhJ 83601 VYGADYVAN'Ye 2364 5658	USB	(Gwr)
---	5372	22-11	1121	Mon	N'ZhJ 42114 MOShNA 2052 3374	USB	(Gwr)
---	5372	22-11	1203	Mon	N'ZhJ 43471 NYeGNUShchIJSYa 9859 7748	USB	(Gwr)
---	4940	22-11	1208	Mon	Tros-28 ya Baron-78 - Baklan - 52704 KADIL'NICA 4505 9341	USB	(Gwr)
---	5372	22-11	1213	Mon	N'ZhJ 56686 IONOSFYeRA 8804 7634	USB	(Gwr)
---	3510	24-11	1733	Wed	Russian military. Air Horn channel marker	USB	(ChPa)
---	4770	24-11	1738	Wed	Russian military. Alarm channel marker	USB	(ChPa)
---	7070	26-11	1350	Fri	Russian-Ukrainian radio war. Music	LSB	(AB)
<b>Cland</b>	7055	2-11	1654	Tue	Russian-Ukrainian radio war. Singing, yelling, foul language	LSB	(AB)
<b>Cland</b>	7100	2-11	1654	Tue	Russian-Ukrainian radio war. Singing, yelling, foul language	LSB	(AB)
<b>Cland</b>	7055	3-11	1456	Wed	Russian-Ukrainian radio war. Anti Putin slogan loops. Odd sounds. Music.	LSB	(AB)
<b>Cland</b>	7060	3-11	1458	Wed	Russian-Ukrainian radio war. Anti Russia and anti Putin slogan loops.	LSB	(AB)
<b>Cland</b>	7055	5-11	1521	Fri	Russian-Ukrainian radio war. Anti Russia propaganda. Jammed	LSB	(AB)
<b>Cland</b>	7055	9-11	1652	Tue	Russian-Ukrainian radio war. Singing, anti Russia propaganda. Loop message	LSB	(AB)
<b>Cland</b>	7055	26-11	1355	Fri	Russian-Ukrainian radio war. Anti Russia propaganda, yelling, singing. Many stations on top of each other	LSB	(AB)
<b>DPRK</b>	16040	2-11	0912	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	12200	2-11	1235	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	11045	3-11	0730	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	12200	4-11	1210	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	11045	5-11	0835	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	11045	6-11	0734	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	11050	6-11	0734	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	12203	8-11	0839	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	12220	15-11	0803	Mon	North Korean diplo	DPRK-ARQ 699 LSB	(AB)
<b>DPRK</b>	16675	15-11	0929	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	16252	17-11	0800	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	13115	23-11	0838	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

<b>DPRK</b>	11045	26-11	0740	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>DPRK</b>	11045	28-11	0735	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
<b>E06</b>	10673	1-11	0210	Mon	537 194 50 17462 18001 47043 ... 70649 72562 09249 194 50 00000	USB	(PY)
<b>E06</b>	14398	1-11	0310	Mon	537 194 50 17462 18001 47043 ... 70649 72562 09249 194 50 00000	USB	(PY)
<b>E06</b>	10673	2-11	0210	Tue	537 194 50 17462 18001 47043 ... 70649 72562 09249 194 50 00000	USB	(PY)
<b>E06</b>	14398	2-11	0310	Tue	537 194 50 17462 18001 47043 ... 70649 72562 09249 194 50 00000	USB	(PY)
<b>E06</b>	18285	4-11	0600	Thu	507 829 61 77345 00368 41275 ... 54710 44783 25491 829 61 00000	USB	(AB-RUS)
<b>E06</b>	20140	4-11	0700	Thu	507 829 61 77345 00368 41275 ... 54710 44783 25491 829 61 00000	USB	(AB-RUS)
<b>E06</b>	18285	5-11	0600	Fri	507 829 61 77345 00368 41275 ... 54710 44783 25491 829 61 00000	USB	(AB-RUS)
<b>E06</b>	20140	5-11	0700	Fri	507 829 61 77345 00368 41275 ... 54710 44783 25491 829 61 00000	USB	(AB-RUS)
<b>E06</b>	10673	8-11	0210	Mon	537 268 30 24187 15576 22842 ... 06814 98071 92164 268 30 00000	USB	(PY)
<b>E06</b>	14398	8-11	0310	Mon	537 268 30 24187 15576 22842 ... 06814 98071 92164 268 30 00000	USB	(PY)
<b>E06</b>	10673	9-11	0210	Tue	537 268 30 24187 15576 22842 ... 06814 98071 92164 268 30 00000	USB	(PY)
<b>E06</b>	14398	9-11	0310	Tue	537 268 30 24187 15576 22842 ... 06814 98071 92164 268 30 00000	USB	(PY)
<b>E06</b>	10755	10-11	0720	Wed	975 (R1h36m) 362 54 59041 13065 04683 ... 99145 00064 13535 362 54 00000	USB	(AB)
<b>E06</b>	16173	11-11	0300	Thu	361 802 43 70060 58051 60482 ... 03358 15438 25148 802 43 00000	USB	(PY)
<b>E06</b>	13878	11-11	0400	Thu	361 802 43 70060 58051 60482 ... 03358 15438 25148 802 43 00000	USB	(PY)
<b>E06</b>	16175	12-11	0300	Fri	361 802 43 70060 58051 60482 ... 03358 15438 25148 802 43 00000	USB	(PY)
<b>E06</b>	13878	12-11	0400	Fri	361 802 43 70060 58051 60482 ... 03358 15438 25148 802 43 00000	USB	(PY)
<b>E06</b>	11123	13-11	0900	Sat	980 216 35 76988 62546 51022 ... 10597 48500 98523 216 35 00000 Slow version	USB	(PY)
<b>E06</b>	13532	13-11	0930	Sat	980 216 35 76988 62546 51022 ... 10597 48500 98523 216 35 00000 Slow version	USB	(PY)
<b>E06</b>	11514	13-11	1000	Sat	980 216 35 76988 62546 51022 ... 10597 48500 98523 216 35 00000 Slow version	USB	(PY)
<b>E06</b>	10673	15-11	0210	Mon	537 904 31 69274 79293 53003 ... 28509 43542 38542 904 31 00000	USB	(PY)
<b>E06</b>	14398	15-11	0310	Mon	537 904 31 69274 79293 53003 ... 28509 43542 38542 904 31 00000	USB	(PY)
<b>E06</b>	10673	16-11	0210	Tue	537 904 31 69274 79293 53003 ... 28509 43542 38542 904 31 00000	USB	(PY)
<b>E06</b>	14398	16-11	0310	Tue	537 904 31 69274 79293 53003 ... 28509 43542 38542 904 31 00000	USB	(PY)
<b>E06</b>	13396	16-11	0830	Tue	980 457 28 71227 14122 05935 ... 88651 31842 00678 457 28 0000	USB	(AB)
<b>E06</b>	11123	16-11	0900	Tue	980 457 28 71227 14122 05935 ... 88651 31842 00678 457 28 0000	USB	(AB)
<b>E06</b>	16163	18-11	0300	Thu	361 597 44 43105 95573 70987 ... 94838 65181 41895 597 44 00000	USB	(PY)
<b>E06</b>	13878	18-11	0400	Thu	361 597 44 43105 95573 70987 ... 94838 65181 41895 597 44 00000	USB	(PY/HFD-RUS)
<b>E06</b>	18285	18-11	0600	Thu	507 294 61 67849 28320 17328 ... 75890 81340 32013 294 61 00000	USB	(AB-CYP/HFD)
<b>E06</b>	20140	18-11	0700	Thu	507 294 61 67849 28320 17328 ... 75890 81340 32013 294 61 00000	USB	(AB-RUS/HFD)
<b>E06</b>	16173	19-11	0300	Fri	361 597 44 43105 95573 70987 ... 94838 65181 41895 597 44 00000	USB	(PY)
<b>E06</b>	13878	19-11	0400	Fri	361 597 44 43105 95573 70987 ... 94838 65181 41895 597 44 00000	USB	(PY)
<b>E06</b>	18285	19-11	0600	Fri	507 294 61 67849 28320 17328 ... 75890 81340 32013 294 61 00000	USB	(AB-CYP)
<b>E06</b>	20140	19-11	0700	Fri	507 294 61 67849 28320 17328 ... 75890 81340 32013 294 61 00000	USB	(AB-CYP)
<b>E06</b>	10673	22-11	0210	Mon	537 681 32 63500 15809 88183 ... 98380 88347 00363 681 32 00000	USB	(PY)
<b>E06</b>	14398	22-11	0310	Mon	537 681 32 63500 15809 88183 ... 98380 88347 00363 681 32 00000	USB	(PY)
<b>E06</b>	10673	23-11	0210	Tue	537 681 32 63500 15809 88183 ... 98380 88347 00363 681 32 00000	USB	(PY)
<b>E06</b>	16173	25-11	0300	Thu	361 820 45 97136 14552 34072 ... 97636 26551 72173 820 45 00000	USB	(PY)
<b>E06</b>	13863	25-11	0400	Thu	361 820 45 97136 14552 34072 ... 97636 26551 72173 820 45 00000	USB	(PY)
<b>E06</b>	16171	26-11	0300	Fri	361 820 45 97136 14552 34072 ... 97636 26551 72173 820 45 00000	USB	(PY)



E06	13855	26-11	0400	Fri	361 820 45 97136 14552 34072 ... 97636 26551 72173 820 45 00000	USB	(PY)
E06	10673	29-11	0210	Mon	537 902 33 41930 07594 81518 ... 07858 08912 11798 902 33 00000	USB	(PY)
E06	14398	29-11	0310	Mon	537 902 33 41930 07594 81518 ... 07858 08912 11798 902 33 00000	USB	(PY)
E06	10673	30-11	0210	Tue	537 902 33 41930 07594 81518 ... 07858 08912 11798 902 33 00000	USB	(PY)
E06	14398	30-11	0310	Tue	537 902 33 41930 07594 81518 ... 07858 08912 11798 902 33 00000	USB	(PY)
E07	15823	2-11	0700	Tue	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB/HFD)
E07	16323	2-11	0720	Tue	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB/HFD)
E07	18523	2-11	0740	Tue	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB/HFD)
E07	7582	3-11	1800	Wed	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB-RUS/HFD)
E07	6782	3-11	1820	Wed	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB/HFD)
E07	5182	3-11	1840	Wed	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB/HFD)
E07	11574	4-11	1410	Thu	327 327 327 000	USB	(AB/HFD)
E07	10274	4-11	1430	Thu	327 327 327 000	USB	(AB/HFD)
E07	15823	5-11	0700	Fri	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB)
E07	16323	5-11	0720	Fri	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB)
E07	18523	5-11	0740	Fri	836 836 836 1 6216 87 6216 87 48780 38874 60282 ... 57608 98393 86114 000 000	USB	(AB)
E07	10323	6-11	1400	Sat	310 310 310 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000 At 1411z the same transmission started again, mixing with the one that was already running. Back to normal at 1420z	USB	(AB/MPJ/HFD)
E07	11574	6-11	1410	Sat	327 327 327 000	USB	(AB/MPJ)
E07	9123	6-11	1428	Sat	310 310 310 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000	USB	(AB/MPJ/HFD)
E07	10274	6-11	1430	Sat	327 327 327 000	USB	(AB/MPJ/RL)
E07	8023	6-11	1453	Sat	310 310 310 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000	USB	(AB/MPJ/HFD)
E07	10268	7-11	0700	Sun	201 201 201 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000	USB	(AB/HFD)
E07	11068	7-11	0725	Sun	201 201 201 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000	USB	(AB/HFD)
E07	12168	7-11	0750	Sun	201 201 201 1 895 178 895 178 89071 83052 03749 ... 91287 77896 88843 000 000	USB	(AB/HFD)
E07	7582	7-11	1800	Sun	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB/MPJ)
E07	6782	7-11	1820	Sun	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB/MPJ)
E07	5182	7-11	1840	Sun	571 571 571 1 685 93 685 93 08206 63144 49035 ... 83309 54638 20915 000 000	USB	(AB/MPJ)
E07	15823	9-11	0700	Tue	836 836 836 000	USB	(AB)
E07	16323	9-11	0720	Tue	836 836 836 000	USB	(AB)
E07	7582	10-11	1800	Wed	571 571 571 000	USB	(AB/MPJ)
E07	6782	10-11	1820	Wed	571 571 571 000	USB	(AB/MPJ)
E07	11574	11-11	1410	Thu	327 327 327 000	USB	(AB)
E07	10274	11-11	1430	Thu	327 327 327 000	USB	(AB)
E07	15823	12-11	0700	Fri	836 836 836 000	USB	(AB)
E07	16323	12-11	0720	Fri	836 836 836 000	USB	(AB)
E07	10323	13-11	1400	Sat	310 310 310 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)
E07	11574	13-11	1410	Sat	327 327 327 000	USB	(AB/RL-HOL)
E07	9123	13-11	1425	Sat	310 310 310 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)
E07	10274	13-11	1430	Sat	327 327 327 000	USB	(AB/RL-HOL)
E07	8023	13-11	1450	Sat	310 310 310 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)



E07	10268	14-11	0700	Sun	201 201 201 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)
E07	11068	14-11	0725	Sun	201 201 201 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)
E07	12168	14-11	0750	Sun	201 201 201 1 927 176 927 176 65122 21444 02424 ... 12757 86634 79121 000 000	USB	(AB)
E07	7582	14-11	1800	Sun	571 571 571 000	USB	(AB)
E07	6782	14-11	1820	Sun	571 571 571 000	USB	(AB)
E07	15823	16-11	0700	Tue	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	16323	16-11	0720	Tue	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	18623	16-11	0740	Tue	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	7582	17-11	1800	Wed	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	6782	17-11	1820	Wed	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	5182	17-11	1840	Wed	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	11574	18-11	1410	Thu	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB/MPJ/RL-HOL)
E07	10274	18-11	1430	Thu	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB/MPJ/RL-HOL)
E07	9274	18-11	1450	Thu	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB/MPJ)
E07	15823	19-11	0700	Fri	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	16323	19-11	0720	Fri	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	18623	19-11	0740	Fri	836 836 836 1 3388 87 3388 87 66151 80423 06063 ... 51731 17188 91816 000 000	USB	(AB)
E07	10323	20-11	1400	Sat	310 310 310 000	USB	(AB)
E07	11574	20-11	1410	Sat	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB)
E07	9123	20-11	1425	Sat	310 310 310 000	USB	(AB)
E07	10274	20-11	1430	Sat	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB)
E07	9274	20-11	1450	Sat	327 327 327 1 7753 77 7753 77 43346 22374 47676 ... 15899 00499 59891 000 000	USB	(AB)
E07	10268	21-11	0700	Sun	201 201 201 000	USB	(AB)
E07	11068	21-11	0725	Sun	201 201 201 000	USB	(AB)
E07	7582	21-11	1800	Sun	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	6782	21-11	1820	Sun	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	5182	21-11	1840	Sun	571 571 571 1 8148 97 8148 97 07826 14277 95433 ... 40681 87740 83903 000 000	USB	(AB/MPJ)
E07	15823	23-11	0700	Tue	836 836 836 000	USB	(AB-KWT)
E07	16323	23-11	0720	Tue	836 836 836 000	USB	(AB-KWT)
E07	7582	24-11	1800	Wed	571 571 571 000	USB	(AB)
E07	6782	24-11	1820	Wed	571 571 571 000	USB	(AB)
E07	11574	25-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
E07	10274	25-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
E07	15823	26-11	0700	Fri	836 836 836 000	USB	(AB)
E07	16323	26-11	0720	Fri	836 836 836 000	USB	(AB)
E07	10323	27-11	1400	Sat	310 310 310 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	11574	27-11	1410	Sat	327 327 327 000	USB	(AB/MPJ)
E07	10274	27-11	1430	Sat	327 327 327 000	USB	(AB/MPJ)
E07	9123	27-11	1435	Sat	310 310 310 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	8023	27-11	1510	Sat	310 310 310 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	10268	28-11	0700	Sun	201 201 201 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)
E07	11068	28-11	0735	Sun	201 201 201 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)

E07	12168	28-11	0810	Sun	201 201 201 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)
E07	7582	28-11	1800	Sun	571 571 571 000	USB	(AB)
E07	6782	28-11	1820	Sun	571 571 571 000	USB	(AB)
E07	15823	30-11	0700	Tue	836 836 836 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB)
E07	16323	30-11	0720	Tue	836 836 836 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB-KWT)
E07	18623	30-11	0740	Tue	836 836 836 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB-KWT)
E07a	5877	3-11	2100	Wed	825 825 925 000	USB	(AB/HFD)
E07a	5277	3-11	2120	Wed	825 825 925 000	USB	(AB/HFD)
E07a	5111	4-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	4-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	5-11	1610	Fri	158 158 158 000	USB	(AB/MPJ/GHn/HFD)
E07a	7538	5-11	1630	Fri	158 158 158 000	USB	(AB/HFD)
E07a	11553	6-11	0900	Sat	515 515 515 000	USB	(AB/HFD)
E07a	12153	6-11	0920	Sat	515 515 515 000	USB	(AB/HFD)
E07a	5877	10-11	2100	Wed	825 825 925 000	USB	(AB)
E07a	5277	10-11	2120	Wed	825 825 925 000	USB	(AB)
E07a	5111	11-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	11-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	12-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	12-11	1630	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	11553	13-11	0900	Sat	515 515 515 000	USB	(AB)
E07a	12153	13-11	0920	Sat	515 515 515 000	USB	(AB)
E07a	5877	17-11	2100	Wed	825 825 925 000	USB	(AB)
E07a	5277	17-11	2120	Wed	825 825 925 000	USB	(AB)
E07a	5111	18-11	0530	Thu	189 189 189 000	USB	(AB/HFD)
E07a	5811	18-11	0550	Thu	189 189 189 000	USB	(AB/HFD)
E07a	8138	19-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	19-11	1630	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	11553	20-11	0900	Sat	515 515 515 000	USB	(AB)
E07a	12153	20-11	0920	Sat	515 515 515 000	USB	(AB)
E07a	5877	24-11	2100	Wed	825 825 925 000	USB	(AB/RL)
E07a	5277	24-11	2120	Wed	825 825 925 000	USB	(AB/RL)
E07a	5111	25-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	25-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	26-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	26-11	1630	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	11553	27-11	0900	Sat	515 515 515 000	USB	(AB)
E07a	12153	27-11	0920	Sat	515 515 515 000	USB	(AB)
E11	4909	1-11	0450	Mon	414/00	USB	(AB)
E11	16005	1-11	0640	Mon	944/00	USB	(AB)
E11	10213	1-11	0745	Mon	269/00	USB	(AB/HFD)
E11	14940	1-11	0830	Mon	??/?00	USB	(AB)

E11	12067	1-11	0845	Mon	713/00	USB	(AB/HFD)
E11	4909	1-11	1300	Mon	313/00	USB	(AB/HFD)
E11	6849	1-11	1900	Mon	648/00	USB	(AB/HFD)
E11	7840	2-11	0645	Tue	515/00	USB	(AB/HFD)
E11	6804	2-11	0700	Tue	577/00	USB	(HFD)
E11	9130	2-11	0715	Tue	639/00	USB	(AB/HFD)
E11	13908	2-11	0745	Tue	221/00	USB	(AB)
E11	9079	2-11	1000	Tue	300/00	USB	(AB/HFD)
E11	6433	2-11	1205	Tue	469/00	USB	(AB/HFD)
E11	5432	2-11	1605	Tue	232/00	USB	(AB)
E11	16005	3-11	0640	Wed	945/00	USB	(AB/HFD)
E11	11104	3-11	0715	Wed	757/00	USB	(AB)
E11	17378	3-11	0745	Wed	346/00	USB	(AB-POL/HFD)
E11	7469	3-11	0930	Wed	278/00	USB	(AB/HFD)
E11	6433	3-11	1205	Wed	469/00	USB	(AB)
E11	5082	3-11	1715	Wed	975/00	USB	(AB/HFD)
E11	9052	4-11	0315	Thu	250/00	USB	(AB)
E11	4909	4-11	0645	Thu	514/00	USB	(AB)
E11	13908	4-11	0745	Thu	225/00	USB	(AB)
E11	5149	4-11	0820	Thu	435/00	USB	(HFD)
E11	7469	4-11	0930	Thu	277/00	USB	(AB)
E11	4909	4-11	1300	Thu	310/00	USB	(AB)
E11	5082	4-11	1330	Thu	520/00	USB	(AB/HFD)
E11	5779	4-11	1730	Thu	416/00	USB	(AB/HFD)
E11	6849	4-11	1900	Thu	641/00	USB	(AB)
E11	6804	5-11	0700	Fri	577/00	USB	(AB)
E11	9130	5-11	0715	Fri	636/00	USB	(AB)
E11	14940	5-11	0830	Fri	181/00	USB	(AB)
E11	9079	5-11	1000	Fri	300/00	USB	(AB/MPJ)
E11	5082	5-11	1715	Fri	977/00	USB	(AB)
E11	10487	5-11	1910	Fri	616/00	USB	(Anon/HFD)
E11	4909	6-11	1530	Sat	363/00	USB	(AB/MPJ/HFD)
E11	7850	7-11	0600	Sun	359/00	USB	(AB)
E11	5082	7-11	1330	Sun	521/00	USB	(AB/MPJ)
E11	4909	7-11	1530	Sun	369/00	USB	(AB/MPJ)
E11	5432	7-11	1605	Sun	231/00	USB	(AB/MPJ/RL-HOL/HFD)
E11	10487	7-11	1910	Sun	612/00	USB	(MPJ)
E11	4909	8-11	0450	Mon	412/00	USB	(AB)
E11	11104	8-11	0715	Mon	753/00	USB	(AB/HFD)
E11	10213	8-11	0745	Mon	261/00	USB	(AB)
E11	14940	8-11	0830	Mon	184/00	USB	(AB/HFD)
E11	12067	8-11	0845	Mon	715/00	USB	(AB)

E11	11092	8-11	0900	Mon	535/00	USB	(AB)
E11	7984	8-11	1045	Mon	697/00	USB	(AB)
E11	12924	8-11	1745	Mon	245/00	USB	(AB-POL)
E11	6849	8-11	1900	Mon	646/00	USB	(AB/MPJ)
E11	9052	9-11	0315	Tue	253/00	USB	(AB)
E11	6804	9-11	0700	Tue	571/00	USB	(AB)
E11	13908	9-11	0745	Tue	224/00	USB	(AB-POL)
E11	14611	9-11	0820	Tue	132/00	USB	(AB)
E11	12089	9-11	0845	Tue	151/00	USB	(AB)
E11	5432	9-11	1605	Tue	230/00	USB	(AB/MPJ)
E11	11104	10-11	0715	Wed	755/00	USB	(AB)
E11	17378	10-11	0745	Wed	344/00	USB	(AB-POL)
E11	14611	10-11	0820	Wed	135/00	USB	(AB-POL)
E11	12067	10-11	0845	Wed	713/00	USB	(AB)
E11	11092	10-11	0900	Wed	537/00	USB	(AB)
E11	7984	10-11	1045	Wed	698/00	USB	(AB)
E11	4505	10-11	1910	Wed	390/00	USB	(AB/MPJ)
E11	13908	11-11	0745	Thu	220/00	USB	(AB)
E11	12089	11-11	0845	Thu	155/00	USB	(AB)
E11	5082	11-11	1330	Thu	521/00	USB	(AB)
E11	5409	11-11	1530	Thu	264/00	USB	(AB/HFD)
E11	5779	11-11	1730	Thu	414/00	USB	(AB)
E11	6849	11-11	1900	Thu	649/00	USB	(AB)
E11	7850	12-11	0600	Fri	354/00	USB	(AB)
E11	6804	12-11	0700	Fri	577/00	USB	(AB)
E11	14940	12-11	0830	Fri	182/00	USB	(AB-POL)
E11	5371	13-11	0730	Sat	495/00	USB	(AB/HFD)
E11	4909	13-11	1530	Sat	365/00	USB	(AB/RL-HOL)
E11	4505	13-11	1910	Sat	393/00	USB	(AB)
E11	7850	14-11	0600	Sun	352/00	USB	(AB)
E11	5371	14-11	0730	Sun	495/00	USB	(AB/F5JBR)
E11	5082	14-11	1330	Sun	528/00	USB	(AB/MPJ)
E11	4909	14-11	1530	Sun	368/00	USB	(AB/MPJ)
E11	5432	14-11	1605	Sun	236/00	USB	(AB/MPJ/RL-HOL)
E11	12924	14-11	1745	Sun	249/00	USB	(AB/MPJ)
E11	4909	15-11	0450	Mon	413/00	USB	(AB/HFD)
E11	16005	15-11	0640	Mon	941/00	USB	(AB)
E11	11104	15-11	0715	Mon	755/00	USB	(AB)
E11	10213	15-11	0745	Mon	269/00	USB	(AB)
E11	14940	15-11	0830	Mon	182/00	USB	(AB/HFD)
E11	12067	15-11	0845	Mon	714/00	USB	(AB)
E11	11092	15-11	0900	Mon	537/00	USB	(AB)

E11	7984	15-11	1045	Mon	694/00	USB	(AB)
E11	4909	15-11	1300	Mon	311/00	USB	(AB)
E11	12924	15-11	1745	Mon	246/00	USB	(AB-POL)
E11	6849	15-11	1900	Mon	647/00	USB	(AB/GHn)
E11	7840	16-11	0645	Tue	515/00	USB	(AB)
E11	9130	16-11	0715	Tue	630/00	USB	(AB)
E11	13908	16-11	0745	Tue	223/00	USB	(AB-POL)
E11	14611	16-11	0820	Tue	131/00	USB	(AB)
E11	12089	16-11	0845	Tue	150/00	USB	(AB)
E11	9079	16-11	1000	Tue	304/00	USB	(AB)
E11	6433	16-11	1205	Tue	464/00	USB	(AB/MPJ)
E11	5432	16-11	1605	Tue	235/00	USB	(AB/MPJ)
E11	16005	17-11	0640	Wed	946/00	USB	(AB)
E11	11104	17-11	0715	Wed	759/00	USB	(AB)
E11	17378	17-11	0745	Wed	348/00	USB	(AB-POL)
E11	14611	17-11	0820	Wed	138/00	USB	(AB)
E11	12067	17-11	0845	Wed	714/00	USB	(AB)
E11	11092	17-11	0900	Wed	537/00	USB	(AB)
E11	7469	17-11	0930	Wed	270/00	USB	(AB)
E11	7984	17-11	1045	Wed	690/00	USB	(AB)
E11	6433	17-11	1205	Wed	469/00	USB	(AB)
E11	5082	17-11	1715	Wed	974/00	USB	(AB)
E11	4505	17-11	1910	Wed	396/00	USB	(AB/MPJ)
E11	7840	18-11	0645	Thu	514/00	USB	(AB)
E11	13908	18-11	0745	Thu	229/00	USB	(AB)
E11	5149	18-11	0820	Thu	434/00	USB	(AB)
E11	12089	18-11	0845	Thu	157/00	USB	(AB-POL)
E11	7469	18-11	0930	Thu	278/00	USB	(AB)
E11	4909	18-11	1300	Thu	312/00	USB	(AB/MPJ)
E11	5082	18-11	1330	Thu	527/00	USB	(AB)
E11	5409	18-11	1530	Thu	268/00	USB	(AB/RL-HOL)
E11	5779	18-11	1730	Thu	416/00	USB	(AB)
E11	6849	18-11	1900	Thu	644/00	USB	(AB)
E11	7850	19-11	0600	Fri	353/00	USB	(AB/HFD)
E11	9130	19-11	0715	Fri	637/00	USB	(AB)
E11	17378	19-11	0745	Fri	349/00	USB	(AB)
E11	5149	19-11	0820	Fri	435/00	USB	(AB)
E11	14940	19-11	0830	Fri	189/00	USB	(AB-POL)
E11	9079	19-11	1000	Fri	306/00	USB	(AB)
E11	5082	19-11	1715	Fri	970/00	USB	(AB/MPJ)
E11	10487	19-11	1910	Fri	null message. Too poor to copy	USB	(MPJ)
E11	5371	20-11	0730	Sat	496/00	USB	(AB)

E11	4505	20-11	1910	Sat	393/00	USB	(AB)
E11	7850	21-11	0600	Sun	358/00	USB	(AB/PY)
E11	5371	21-11	0730	Sun	490/00	USB	(AB)
E11	5082	21-11	1330	Sun	520/00	USB	(AB/MPJ)
E11	5432	21-11	1605	Sun	237/00	USB	(AB)
E11	10487	21-11	1910	Sun	611/00	USB	(AB-POL/MPJ)
E11	16005	22-11	0640	Mon	944/00	USB	(AB)
E11	11104	22-11	0715	Mon	75?? unreadable, raped by radar	USB	(AB)
E11	11092	22-11	0900	Mon	537/00	USB	(AB)
E11	7984	22-11	1045	Mon	693/00	USB	(AB)
E11	4909	22-11	1300	Mon	313/00	USB	(AB)
E11	12924	22-11	1745	Mon	247/00	USB	(AB-POL)
E11	7840	23-11	0645	Tue	517/00	USB	(AB)
E11	6804	23-11	0700	Tue	571/00	USB	(AB)
E11	9130	23-11	0715	Tue	630/00	USB	(AB)
E11	14611	23-11	0820	Tue	135/00	USB	(AB)
E11	12089	23-11	0845	Tue	155/00	USB	(AB)
E11	9079	23-11	1000	Tue	307/00	USB	(AB)
E11	6433	23-11	1205	Tue	465/00	USB	(AB)
E11	9052	24-11	0315	Wed	252/00	USB	(AB-POL)
E11	16005	24-11	0640	Wed	942/00	USB	(AB)
E11	14611	24-11	0820	Wed	138/00	USB	(AB)
E11	11092	24-11	0900	Wed	538/00	USB	(AB)
E11	7469	24-11	0930	Wed	273/00	USB	(AB)
E11	7984	24-11	1045	Wed	693/00	USB	(AB)
E11	6433	24-11	1205	Wed	469/00	USB	(AB)
E11	5082	24-11	1715	Wed	972/00	USB	(AB)
E11	4505	24-11	1910	Wed	395/00	USB	(AB/GHn)
E11	9052	25-11	0315	Thu	257/00	USB	(AB-POL)
E11	7840	25-11	0645	Thu	519/00	USB	(AB)
E11	5149	25-11	0820	Thu	434/00	USB	(AB)
E11	12089	25-11	0845	Thu	150/00	USB	(AB)
E11	7469	25-11	0930	Thu	277/00	USB	(AB)
E11	4909	25-11	1300	Thu	314/00	USB	(AB)
E11	6804	26-11	0700	Fri	576/00	USB	(AB)
E11	9130	26-11	0715	Fri	637/00	USB	(AB)
E11	5149	26-11	0820	Fri	435/00	USB	(AB)
E11	9079	26-11	1000	Fri	304/00	USB	(AB)
E11	5082	26-11	1715	Fri	976/00	USB	(AB/MPJ)
E11	6849	26-11	1815	Fri	929/00	USB	(AB/MPJ)
E11	10487	26-11	1910	Fri	613/00	USB	(AB-POL/MPJ)
E11	5371	27-11	0730	Sat	498/00	USB	(AB)

E11	4909	27-11	1530	Sat	369/00	USB	(AB/MPJ)
E11	4505	27-11	1910	Sat	399/00	USB	(AB-POL/MPJ-POL)
E11	5371	28-11	0730	Sun	498/00	USB	(AB)
E11	4909	28-11	1530	Sun	368/00	USB	(AB/MPJ)
E11	12924	28-11	1745	Sun	247/00	USB	(AB-POL)
E11	6849	28-11	1815	Sun	922/00	USB	(AB)
E11	10487	28-11	1910	Sun	616/00	USB	(AB/MPJ-HOL)
E11	4909	29-11	0450	Mon	414/00	USB	(AB)
E11	16005	29-11	0640	Mon	945/00	USB	(AB)
E11	11104	29-11	0715	Mon	757/00	USB	(AB)
E11	10213	29-11	0745	Mon	268/00	USB	(AB)
E11	14940	29-11	0830	Mon	182/00	USB	(AB)
E11	12067	29-11	0845	Mon	713/00	USB	(AB)
E11	11092	29-11	0900	Mon	534/00	USB	(AB)
E11	7984	29-11	1045	Mon	691/00	USB	(AB)
E11	4909	29-11	1300	Mon	311/00	USB	(AB)
E11	12924	29-11	1745	Mon	244/00	USB	(AB-POL)
E11	6849	29-11	1900	Mon	646/00	USB	(AB)
E11	7840	30-11	0645	Tue	512/00	USB	(AB)
E11	6804	30-11	0700	Tue	579/00	USB	(AB)
E11	9130	30-11	0715	Tue	635/00	USB	(AB)
E11	13908	30-11	0745	Tue	220/00	USB	(AB)
E11	14611	30-11	0820	Tue	135/00	USB	(AB)
E11	12089	30-11	0845	Tue	151/00	USB	(AB)
E11	9079	30-11	1000	Tue	304/00	USB	(AB)
E11	6433	30-11	1205	Tue	464/00	USB	(AB)
E11	13363	30-11	1430	Tue	918/00	USB	(AB)
E11	5432	30-11	1605	Tue	230/00	USB	(AB/MPJ)
E11a	11092	1-11	0900	Mon	535/34 Attention 97824 92835 83646 ... 53458 41372 12036 Attention (message repeated) Out	USB	(AB/HFD)
E11a	7984	1-11	1045	Mon	696/36 Attention 03122 60177 43093 ... 44089 78164 39982 36478 Attention (message repeated) Out	USB	(AB/HFD)
E11a	12924	1-11	1745	Mon	244/39 Attention 45431 47609 90875 ... 89138 99499 67644 Attention (message repeated) Out	USB	(AB-POL/MPJ/HFD)
E11a	14611	2-11	0820	Tue	131/40 Attention 03771 04827 83898 ... 55854 53648 66459 Attention (message repeated) Out	USB	(AB/HFD)
E11a	12089	2-11	0845	Tue	151/38 Attention 46813 36400 25920 ... 14490 65909 64388 Attention (message repeated) Out	USB	(AB/HFD)
E11a	14611	3-11	0820	Wed	131/40 Attention 03771 04827 83898 ... 55854 53648 66459 Attention (message repeated) Out	USB	(AB-POL/HFD)
E11a	11092	3-11	0900	Wed	535/34 Attention 97824 92835 83646 ... 53458 41372 12036 Attention (message repeated) Out	USB	(AB)



<b>E11a</b>	7984	3-11	1045	Wed	696/36 Attention 03122 60177 43093 ... 44089 78164 39982 36478 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4505	3-11	1910	Wed	395/34 Attention 43835 79758 59428 ... 71193 39417 06032 Attention (message repeated) Out	USB	(AB/HFD)
<b>E11a</b>	12089	4-11	0845	Thu	151/38 Attention 46813 36400 25920 ... 14490 65909 64388 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4505	6-11	1910	Sat	395/34 Attention 43835 79758 59428 ... 71193 39417 06032 Attention (message repeated) Out	USB	(AB/MPJ/RL-HOL)
<b>E11a</b>	5371	7-11	0730	Sun	498/36 Attention 18816 30996 62774 ... 01897 23012 28444 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12924	7-11	1745	Sun	244/39 Attention 45431 47609 90875 ... 89138 99499 67644 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	16005	8-11	0640	Mon	949/28 Attention 98570 14749 22117 ... 05846 61013 64243 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4909	8-11	1300	Mon	315/39 Attention 25534 28326 84402 ... 67272 29047 62597 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	7840	9-11	0645	Tue	517/36 Attention 54878 72893 90819 ... 76550 43354 39262 Attention (repeat message) Out	USB	(AB)
<b>E11a</b>	9130	9-11	0715	Tue	636/35 Attention 07230 70627 51715 ... 99677 97127 46584 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	9079	9-11	1000	Tue	308/37 Attention 73402 45694 67557 ... 99951 70968 78590 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6433	9-11	1205	Tue	463/31 Attention 02502 89338 64346 ... 49525 11125 93004 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	16005	10-11	0640	Wed	949/28 Attention 98570 14749 22117 ... 05846 61013 64243 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7469	10-11	0930	Wed	271/40 Attention 11617 58659 36677 ... 97246 30674 60200 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6433	10-11	1205	Wed	463/31 Attention 02502 89338 64346 ... 49525 11125 93004 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5082	10-11	1715	Wed	975/40 Attention 02218 52272 47457 ... 65085 32290 48213 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	7840	11-11	0645	Thu	517/36 Attention 54878 72893 90819 ... 76550 43354 39262 Attention (repeat message) Out	USB	(AB)
<b>E11a</b>	5149	11-11	0820	Thu	435/31 Attention 62674 39137 34105 ... 06812 81900 48713 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7469	11-11	0930	Thu	271/40 Attention 11617 58659 36677 ... 97246 30674 60200 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	4909	11-11	1300	Thu	315/39 Attention 25534 28326 84402 ... 67272 29047 62597 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	9130	12-11	0715	Fri	636/35 Attention 07230 70627 51715 ... 99677 97127 46584 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5149	12-11	0820	Fri	435/31 Attention 62674 39137 34105 ... 06812 81900 48713 Attention (message repeated) Out	USB	(AB)



<b>E11a</b>	9079	12-11	1000	Fri	308/37 Attention 73402 45694 67557 ... 99951 70968 78590 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5082	12-11	1715	Fri	975/40 Attention 02218 52272 47457 ... 65085 32290 48213 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10487	12-11	1910	Fri	616/33 Attention 66842 95548 06016 ... 39031 32020 50847 Attention (message repeated) Out	USB	(MPJ-AUT)
<b>E11a</b>	10487	14-11	1910	Sun	616/33 Attention 66842 95548 06016 ... 39031 32020 50847 Attention (message repeated) Out	USB	(AB/MPJ-HOL)
<b>E11a</b>	6804	16-11	0700	Tue	570/35 Attention 10571 27982 10902 ... 85502 26247 27971 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	9052	17-11	0315	Wed	258/31 Attention 58559 24327 14951 ... 40701 76583 89210 Attention (message repeated) Out	USB	(AB-POL/HFD)
<b>E11a</b>	6804	19-11	0700	Fri	570/35 Attention 10571 27982 10902 ... 85502 26247 27971 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6849	19-11	1815	Fri	925/37 Attention 59413 54530 99637 ... 22171 12139 98347 Attention (message repeated) Out	USB	(PY)
<b>E11a</b>	4909	20-11	1530	Sat	364/36 Attention 32925 58912 19675 ... 98563 73525 47000 Attention (message repeated) Out	USB	(AB/GHn)
<b>E11a</b>	4909	21-11	1530	Sun	364/36 Attention 32925 58912 19675 ... 98563 73525 47000 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
<b>E11a</b>	4909	22-11	0450	Mon	416/38 Attention 96353 29819 39905 ... 10937 65869 22447 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	10213	22-11	0745	Mon	264/40 Attention 91452 91121 79628 ... 72079 21240 22314 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14940	22-11	0830	Mon	185/24 Attention 15093 29369 38062 ... 25551 69178 44434 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	12067	22-11	0845	Mon	719/33 Attention 49390 36889 06520 ... 98011 89740 38307 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	6849	22-11	1900	Mon	641/34 Attention 57253 23515 86167 ... 60965 77174 02004 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13908	23-11	0745	Tue	229/32 Attention 83114 39453 85006 ... 99252 70486 47787 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	5432	23-11	1605	Tue	238/40 Attention 39939 17336 79812 ... 22022 03510 95351 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	11104	24-11	0715	Wed	757/38 Attention 61157 11206 79097 ... 54343 09491 37062 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	17378	24-11	0745	Wed	344/32 Attention 60174 35252 57874 ... 08537 32697 56439 Attention (message repeated) Out	USB	(AB-POL)
<b>E11a</b>	12067	24-11	0845	Wed	719/33 Attention 49390 36889 06520 ... 98011 89740 38307 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13908	25-11	0745	Thu	229/32 Attention 83114 39453 85006 ... 99252 70486 47787 Attention (message repeated) Out	USB	(AB)

<b>E11a</b>	5082	25-11	1330	Thu	528/36 Attention 66827 07107 70503 ... 74681 86282 24929 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5409	25-11	1530	Thu	264/40 Attention 91452 91121 79628 ... 72079 21240 22314 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
<b>E11a</b>	5779	25-11	1730	Thu	416/38 Attention 96353 29819 39905 ... 10937 65869 22447 Attention (message repeated) Out	USB	(AB-POL/MPJ)
<b>E11a</b>	6849	25-11	1900	Thu	641/34 Attention 57253 23515 86167 ... 60965 77174 02004 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	7850	26-11	0600	Fri	352/33 Attention 86086 79308 03504 ... 08934 65030 63957 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	17378	26-11	0745	Fri	344/32 Attention 60174 35252 57874 ... 08537 32697 56439 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	14940	26-11	0830	Fri	185/24 Attention 15093 29369 38062 ... 25551 69178 44434 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	13363	27-11	1430	Sat	911/31 Attention 75506 37931 64195 ... 58293 60945 37746 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	7850	28-11	0600	Sun	352/33 Attention 86086 79308 03504 ... 08934 65030 63957 Attention (message repeated) Out	USB	(AB)
<b>E11a</b>	5082	28-11	1330	Sun	528/36 Attention 66827 07107 70503 ... 74681 86282 24929 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E11a</b>	5432	28-11	1605	Sun	238/40 Attention 39939 17336 79812 ... 22022 03510 95351 Attention (message repeated) Out	USB	(AB/MPJ)
<b>E17z</b>	10240	1-11	1230	Mon	Synthesized lady. On/off and several restarts 274 839 20 33797 12577 74526 ... 72088 02440 58514 839 20 000000	USB	(AB)
<b>E17z</b>	7685	1-11	1255	Mon	Synthesized lady. 274 repeated for two minutes. Several times off and back again. 274 839 20 33797 12577 74526 ... 72088 02440 58514 839 20 000000	USB	(AB)
<b>E17z</b>	7685	1-11	1258	Mon	Live transmission. Male operator 274 839 20 33797 12577 74526 ... 72088 02440 58514 839 20 000000	USB	(AB)
<b>E17z</b>	10237.5	3-11	1300	Wed	Synthesized lady. Several restarts during the message. 274 806 31 14288 83431 47365 ... 83420 26860 59791 806 31 00000	USB	(AB)
<b>E17z</b>	8080	3-11	1328	Wed	Synthesized lady. Garbled voice then readable: 13715 33927 ... 80955 30492 silence, then live, male operator 274 (rpt) than the rest of the message	USB	(AB)
<b>E17z</b>	11170	4-11	0800	Thu	217 930 5 53516 25616 56069 96813 14599 930 5 00000	USB	(AB/HFD)
<b>E17z</b>	9820	4-11	0810	Thu	217 930 5 53516 25616 56069 96813 14599 930 5 00000	USB	(AB/HFD)
<b>E17z</b>	11170	11-11	0800	Thu	217 930 5 53516 25616 56069 96813 14599 930 5 00000	USB	(AB-G)
<b>E17z</b>	9820	11-11	0810	Thu	217 930 5 53516 25616 56069 96813 14599 930 5 00000	USB	(AB-G)
<b>E17z</b>	5082	15-11	1430	Mon	274 859 16 88620 58069 61732 ... 47891 23247 17099 859 16 00000. Many restarts	USB	(PY)
<b>E17z</b>	5378	15-11	1446	Mon	274 859 16 88620 58069 61732 ... 47891 00000. Many restarts and errors, live operator at 1456z	USB	(PY)
<b>E17z</b>	5082	16-11	1430	Tue	274 913 24 47048 80974 83173 ... 24876 91917 46220 913 24 00000 Several restarts during the transmission. Live back after a breakdown. Male operator.	USB	(AB)
<b>E17z</b>	11170	18-11	0800	Thu	217 843 5 10597 23521 47660 92883 69901 843 5 00000	USB	(AB)
<b>E17z</b>	9820	18-11	0810	Thu	217 843 5 10597 23521 47660 92883 69901 843 5 00000	USB	(AB)

<b>E17z</b>	11170	25-11	0800	Thu	217 843 5 10597 23521 47660 92883 69901 843 5 00000	USB	(AB)
<b>E17z</b>	9820	25-11	0810	Thu	217 843 5 10597 23521 47660 92883 69901 843 5 00000	USB	(AB)
<b>EGY</b>	14371.7	4-11	1437	Thu	Egyptian diplo	SITOR-A 100/170	(AB)
<b>EGY</b>	13415.7	15-11	1244	Mon	Egyptian diplo i.p. OF298 D1A69 NNNNH JKJ KDDR	SITOR-A 100/170	(AB)
<b>EGY</b>	16221.7	19-11	1033	Fri	MFA Cairo wkg unid embassy. End: KY+? HUXD	SITOR-A 100/170	(AB)
<b>EGY</b>	16222	19-11	1036	Fri	99901: MFA Cairo messages to unid embassy	CODAN	(AB)
<b>F01</b>	12177	1-11	1015	Mon	Russian diplo/intel. 51249 98001 52966 ... 80020 59237 99411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	10671	1-11	1025	Mon	Russian diplo/intel. 51249 98001 52966 ... 80020 59237 99411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	8024	1-11	1035	Mon	Russian diplo/intel. 51249 98001 52966 ... 80020 59237 99411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	12177	2-11	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	2-11	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	2-11	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	3-11	1015	Wed	Russian diplo/intel. 88057 74923 56888 ... 87008 72235 03441 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	10671	3-11	1025	Wed	Russian diplo/intel. 88057 74923 56888 ... 87008 72235 03441 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	8024	3-11	1035	Wed	Russian diplo/intel. 88057 74923 56888 ... 87008 72235 03441 00000 +++++	FSK 200/500	(AB-RUS)
<b>F01</b>	8172	3-11	1940	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	6791	3-11	1950	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	4546	3-11	2000	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	12177	4-11	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
<b>F01</b>	10671	4-11	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
<b>F01</b>	8024	4-11	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/HFD)
<b>F01</b>	12177	5-11	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
<b>F01</b>	10671	5-11	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
<b>F01</b>	8024	5-11	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS/MPJ)
<b>F01</b>	12177	8-11	1015	Mon	Russian diplo/intel. 44141 60160 56085 ... 21003 67449 06431 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	10671	8-11	1025	Mon	Russian diplo/intel. 44141 60160 56085 ... 21003 67449 06431 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	8-11	1035	Mon	Russian diplo/intel. 44141 60160 56085 ... 21003 67449 06431 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	12177	9-11	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	9-11	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	9-11	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	10-11	1015	Wed	Russian diplo/intel. 29422 51751 07239 ... 10895 22269 09427 00000 +++++ +++++ +++++ Wrong shift	FSK 200/1000	(AB)
<b>F01</b>	10671	10-11	1025	Wed	Russian diplo/intel. 29422 51751 07239 ... 10895 22269 09427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	10-11	1035	Wed	Russian diplo/intel. 29422 51751 07239 ... 10895 22269 09427 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	11-11	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	11-11	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	11-11	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	12-11	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	10671	12-11	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	12-11	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	15-11	1015	Mon	Russian diplo/intel. 97488 64321 94397 ... 65511 57556 12419 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	10671	15-11	1025	Mon	Russian diplo/intel. 97488 64321 94397 ... 65511 57556 12419 00000 +++++ +++++	FSK 200/500	(AB)

<b>F01</b>	8024	15-11	1035	Mon	Russian diplo/intel. 97488 64321 94397 ... 65511 57556 12419 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	6957	15-11	1255	Mon	14068 46849 70545 ... 13343 08781 03250 00000 +++++ +++++ +++++	FSK 200/500 inversed	(PY)
<b>F01</b>	9425	15-11	1305	Mon	14068 46849 70545 ... 13343 08781 03250 00000 +++++ +++++ +++++	FSK 200/500 inversed	(PY)
<b>F01</b>	11611	15-11	1315	Mon	14068 46849 70545 ... 13343 08781 03250 00000 +++++ +++++ +++++ wrong 1000Hz shift for 2 min, off and back with correct 500Hz shift	FSK 200/500 inversed	(PY)
<b>F01</b>	5913	15-11	1830	Mon	Message undecodable	FSK 200/500 inversed	(PY)
<b>F01</b>	7992	15-11	1840	Mon	Message undecodable	FSK 200/500 inversed	(PY)
<b>F01</b>	10687	15-11	1850	Mon	Message undecodable	FSK 200/500 inversed	(PY)
<b>F01</b>	12177	16-11	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	16-11	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	16-11	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	17-11	1015	Wed	Russian diplo/intel. 52401 45434 15070 ... 15961 76011 15411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	10671	17-11	1025	Wed	Russian diplo/intel. 52401 45434 15070 ... 15961 76011 15411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	8024	17-11	1035	Wed	Russian diplo/intel. 52401 45434 15070 ... 15961 76011 15411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	12177	18-11	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	18-11	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	18-11	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	19-11	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	10671	19-11	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	19-11	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	22-11	1015	Mon	Russian diplo/intel. 11315 82536 04223 ... 65412 97983 18401 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	10671	22-11	1025	Mon	Russian diplo/intel. 11315 82536 04223 ... 65412 97983 18401 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	22-11	1035	Mon	Russian diplo/intel. 11315 82536 04223 ... 65412 97983 18401 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	12177	23-11	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	23-11	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	23-11	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	24-11	1015	Wed	Russian diplo/intel. 90648 40223 90226 ... 21456 25197 21411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	10671	24-11	1025	Wed	Russian diplo/intel. 90648 40223 90226 ... 21456 25197 21411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	8024	24-11	1035	Wed	Russian diplo/intel. 90648 40223 90226 ... 21456 25197 21411 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	12177	25-11	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	25-11	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	25-11	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	12177	26-11	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++ Wrong shift	FSK 200/1000	(AB)
<b>F01</b>	10671	26-11	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
<b>F01</b>	8024	26-11	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS)
<b>F01</b>	12177	29-11	1015	Mon	Russian diplo/intel. 35280 26967 76198 ... 60860 46050 24405 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	10671	29-11	1025	Mon	Russian diplo/intel. 35280 26967 76198 ... 60860 46050 24405 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	8024	29-11	1035	Mon	Russian diplo/intel. 35280 26967 76198 ... 60860 46050 24405 00000 +++++	FSK 200/500	(AB)
<b>F01</b>	12177	30-11	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	10671	30-11	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
<b>F01</b>	8024	30-11	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
<b>F03j</b>	12089	1-11	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12089	1-11	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	2-11	0808	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	2-11	0813	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	3-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	3-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	4-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	4-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	5-11	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	5-11	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	5-11	0843	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	5-11	0848	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	5-11	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	5-11	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	8-11	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	8-11	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	9-11	0808	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	9-11	0813	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	9-11	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	9-11	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	10-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	10-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	11-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	11-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	12-11	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	12-11	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	12-11	0843	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	12-11	0848	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	12-11	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	12-11	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	15-11	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	15-11	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	16-11	0808	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	16-11	0813	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	16-11	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	16-11	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	17-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	17-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	17-11	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	12089	17-11	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	5946	18-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	18-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	19-11	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	12089	19-11	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	19-11	0843	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	19-11	0848	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	19-11	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	19-11	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	22-11	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	22-11	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	22-11	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
<b>F03j</b>	12089	22-11	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	22-11	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
<b>F03j</b>	12089	22-11	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	23-11	0808	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	23-11	0813	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	23-11	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	23-11	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5946	24-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5946	24-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	24-11	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
<b>F03j</b>	12089	24-11	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	24-11	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
<b>F03j</b>	12089	24-11	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5946	25-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	5946	25-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	26-11	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	26-11	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	26-11	0843	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	26-11	0848	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	26-11	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	26-11	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	29-11	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	29-11	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	29-11	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	12089	29-11	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	30-11	0808	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9339	30-11	0813	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	30-11	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8091	30-11	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03I</b>	8800	1-11	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	8800	1-11	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7837	1-11	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	7837	1-11	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
<b>F03I</b>	14415	2-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)



F03I	14415	2-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	2-11	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	2-11	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	2-11	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	2-11	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	3-11	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	3-11	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	3-11	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	3-11	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	4-11	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	4-11	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	4-11	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	4-11	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	5-11	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	5-11	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	5-11	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	5-11	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	8-11	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	8-11	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	8-11	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	8-11	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	8-11	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	8-11	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	8-11	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	8-11	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	9-11	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	9-11	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	9-11	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	9-11	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	10-11	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	10-11	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	10-11	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	10-11	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	10-11	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	10-11	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	11-11	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	11-11	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	11-11	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	11-11	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	11-11	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	14415	11-11	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	12-11	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	12-11	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	12-11	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	12-11	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	15-11	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	15-11	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	15-11	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	15-11	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	15-11	0835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	15-11	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	15-11	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	15-11	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	15-11	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	15-11	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	15-11	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	16-11	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	9240	16-11	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	14415	16-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	16-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	16-11	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	16-11	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	16-11	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	16-11	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	17-11	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	9240	17-11	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	11116	17-11	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	17-11	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	17-11	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	17-11	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	17-11	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	17-11	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	18-11	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	9240	18-11	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	14415	18-11	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	18-11	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	18-11	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	18-11	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	18-11	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	18-11	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	19-11	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	19-11	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)



F03I	6940	19-11	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	19-11	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	22-11	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	22-11	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	22-11	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	22-11	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	22-11	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	22-11	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	22-11	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	22-11	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	22-11	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	22-11	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	23-11	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	23-11	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	23-11	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	23-11	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	23-11	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	23-11	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	24-11	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	24-11	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	24-11	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	24-11	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	24-11	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	24-11	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	24-11	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	24-11	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	25-11	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	9240	25-11	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	14415	25-11	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	25-11	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	25-11	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	25-11	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	25-11	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	26-11	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	26-11	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	26-11	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	26-11	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	29-11	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	9240	29-11	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	29-11	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	29-11	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	29-11	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	29-11	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	29-11	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	29-11	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	29-11	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	29-11	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	30-11	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	30-11	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-11	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-11	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	30-11	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6940	30-11	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	30-11	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	30-11	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	8174	1-11	0500	Mon	Russian diplo/intel. 11166 70059 78451 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7316	1-11	0510	Mon	Russian diplo/intel. 11166 70059 78451 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5929	1-11	0520	Mon	Russian diplo/intel. 11166 70059 78451 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	1-11	0700	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	10156	1-11	0710	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	8138	1-11	0720	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	10231	1-11	1200	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	8081	1-11	1210	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	6869	1-11	1220	Mon	Russian diplo/intel. 11166 70202 36958 29031 02219	FSK 200/1000	(AB)
F06	12177	2-11	0700	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB)
F06	10156	2-11	0710	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB)
F06	8138	2-11	0720	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB)
F06	10231	2-11	1200	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB)
F06	8081	2-11	1210	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB)
F06	6869	2-11	1220	Tue	Russian diplo/intel. 11166 70202 45392 01032 01779 and 11166 70202 83741 01033 01919	FSK 200/1000	(AB-RUS)
F06	10536	2-11	1650	Tue	Russian diplo/intel. 11166 10053 92457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8174	2-11	1700	Tue	Russian diplo/intel. 11166 10053 92457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7318	2-11	1710	Tue	Russian diplo/intel. 11166 10053 92457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20082	3-11	0600	Wed	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	18207	3-11	0610	Wed	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	16141	3-11	0620	Wed	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	12177	3-11	0700	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB)
F06	10156	3-11	0710	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB)

F06	8138	3-11	0720	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB)
F06	10231	3-11	1200	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB)
F06	8081	3-11	1210	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB)
F06	6869	3-11	1220	Wed	Russian diplo/intel. 11166 70202 15483 02034 02379	FSK 200/1000	(AB-RUS)
F06	20082	4-11	0600	Thu	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	18207	4-11	0610	Thu	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	16141	4-11	0620	Thu	Russian diplo/intel. 11166 40122 28461 30072 03709	FSK 200/1000	(AB-J)
F06	12177	4-11	0700	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB)
F06	10156	4-11	0710	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB)
F06	8138	4-11	0720	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB)
F06	10231	4-11	1200	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB)
F06	8081	4-11	1210	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB)
F06	6869	4-11	1220	Thu	Russian diplo/intel. 11166 70202 39521 03035 01799 and 11166 70202 29347 03036 01959	FSK 200/1000	(AB-RUS)
F06	11162	4-11	1330	Thu	Russian diplo/intel. 11166 80214 36958 04091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9915	4-11	1340	Thu	Russian diplo/intel. 11166 80214 36958 04091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8187	4-11	1350	Thu	Russian diplo/intel. 11166 80214 36958 04091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	5-11	0700	Fri	Russian diplo/intel. 11166 70202 15736 05042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10156	5-11	0710	Fri	Russian diplo/intel. 11166 70202 15736 05042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8138	5-11	0720	Fri	Russian diplo/intel. 11166 70202 15736 05042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10644	7-11	1530	Sun	Russian diplo/intel. 11166 10053 34521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8159	7-11	1540	Sun	Russian diplo/intel. 11166 10053 34521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	7438	7-11	1550	Sun	Russian diplo/intel. 11166 10053 34521 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	12177	8-11	0700	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	10156	8-11	0710	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	8138	8-11	0720	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	10231	8-11	1200	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	8081	8-11	1210	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	6869	8-11	1220	Mon	Russian diplo/intel. 11166 70202 41895 05037 02739	FSK 200/1000	(AB)
F06	9277	9-11	0030	Tue	Russian diplo/intel. 11166 60070 15973 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8074	9-11	0040	Tue	Russian diplo/intel. 11166 60070 15973 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7412	9-11	0050	Tue	Russian diplo/intel. 11166 60070 15973 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	9-11	0700	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB)
F06	10156	9-11	0710	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB)
F06	8138	9-11	0720	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB)
F06	10231	9-11	1200	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB/MPJ)
F06	8081	9-11	1210	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB/MPJ)
F06	6869	9-11	1220	Tue	Russian diplo/intel. 11166 70202 15478 08038 01739 and 11166 70202 36598 08039 01939	FSK 200/1000	(AB-RUS/MPJ)
F06	10536	9-11	1650	Tue	Russian diplo/intel. 11166 10053 15973 09022 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8174	9-11	1700	Tue	Russian diplo/intel. 11166 10053 15973 09022 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7318	9-11	1710	Tue	Russian diplo/intel. 11166 10053 15973 09022 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20082	10-11	0600	Wed	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-RUS)
F06	18207	10-11	0610	Wed	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-J)

F06	16141	10-11	0620	Wed	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-J)
F06	12177	10-11	0700	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB)
F06	10156	10-11	0710	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB)
F06	8138	10-11	0720	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB)
F06	20288	10-11	0900	Wed	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	18404	10-11	0910	Wed	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	16266	10-11	0920	Wed	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	10231	10-11	1200	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB)
F06	8081	10-11	1210	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB)
F06	6869	10-11	1220	Wed	Russian diplo/intel. 11166 70202 14758 09040 02219	FSK 200/1000	(AB-RUS)
F06	20082	11-11	0600	Thu	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-KOR)
F06	18207	11-11	0610	Thu	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-J)
F06	16141	11-11	0620	Thu	Russian diplo/intel. 11166 40122 96521 06073 03069 and 11166 40122 63254 06074 02429	FSK 200/1000	(AB-J)
F06	12177	11-11	0700	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB)
F06	10156	11-11	0710	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB)
F06	8138	11-11	0720	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB)
F06	13396	11-11	0830	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	11123	11-11	0840	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	9089	11-11	0850	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	20288	11-11	0900	Thu	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	18404	11-11	0910	Thu	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	16266	11-11	0920	Thu	Russian diplo/intel. 11166 00052 12657 10096 02339	FSK 200/1000	(AB)
F06	13532	11-11	0930	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	11514	11-11	0940	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	9426	11-11	0950	Thu	Russian diplo/intel. 11144 00000 25869 10049 00769	FSK 200/1000	(PY)
F06	10231	11-11	1200	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB)
F06	8081	11-11	1210	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB)
F06	6869	11-11	1220	Thu	Russian diplo/intel. 11166 70202 35798 10041 01759 and 11166 70202 54736 10042 01999	FSK 200/1000	(AB-RUS)
F06	11162	11-11	1330	Thu	Russian diplo/intel. 11166 80214 64238 11026 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	9915	11-11	1340	Thu	Russian diplo/intel. 11166 80214 64238 11026 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	8187	11-11	1350	Thu	Russian diplo/intel. 11166 80214 64238 11026 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	12-11	0700	Fri	Russian diplo/intel. 11166 70202 75183 12073 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	10156	12-11	0710	Fri	Russian diplo/intel. 11166 70202 75183 12073 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	8138	12-11	0720	Fri	Russian diplo/intel. 11166 70202 75183 12073 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	10644	14-11	1530	Sun	Russian diplo/intel. 11166 10053 69874 14001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	8159	14-11	1540	Sun	Russian diplo/intel. 11166 10053 69874 14001 00049 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	7438	14-11	1550	Sun	Russian diplo/intel. 11166 10053 69874 14001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	8174	15-11	0500	Mon	Russian diplo/intel. 11166 70059 89632 15001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	7316	15-11	0510	Mon	Russian diplo/intel. 11166 70059 89632 15001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	5929	15-11	0520	Mon	Russian diplo/intel. 11166 70059 89632 15001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	15-11	0700	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)
F06	10156	15-11	0710	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)

F06	8138	15-11	0720	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)
F06	12208	15-11	0800	Mon	Russian diplo/intel. 11100 00000 15967 12014 02159	FSK 200/1000	(PY)
F06	8014	15-11	0820	Mon	Russian diplo/intel. 11100 00000 15967 12014 02159	FSK 200/1000	(PY)
F06	11123	15-11	0840	Mon	Russian diplo/intel. 11100 00000 43685 15047 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9089	15-11	0850	Mon	Russian diplo/intel. 11100 00000 43685 15047 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10231	15-11	1200	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)
F06	8081	15-11	1210	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)
F06	6869	15-11	1220	Mon	Russian diplo/intel. 11166 70202 12468 12043 02379	FSK 200/1000	(AB)
F06	9277	16-11	0030	Tue	Russian diplo/intel. 11166 60070 57678 16013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8074	16-11	0040	Tue	Russian diplo/intel. 11166 60070 57678 16013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7412	16-11	0050	Tue	Russian diplo/intel. 11166 60070 57678 16013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	16-11	0700	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB)
F06	10156	16-11	0710	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB)
F06	8138	16-11	0720	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB)
F06	10231	16-11	1200	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB/MPJ)
F06	8081	16-11	1210	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB/MPJ)
F06	6869	16-11	1220	Tue	Russian diplo/intel. 11166 70202 36958 15044 01819 and 11166 70202 14758 15045 02139	FSK 200/1000	(AB-RUS/MPJ)
F06	10536	16-11	1650	Tue	Russian diplo/intel. 11166 10053 78612 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	3889	16-11	1700	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-POL)
F06	8174	16-11	1700	Tue	Russian diplo/intel. 11166 10053 78612 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	3744	16-11	1710	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-POL)
F06	7318	16-11	1710	Tue	Russian diplo/intel. 11166 10053 78612 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	3542	16-11	1720	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-POL)
F06	20082	17-11	0600	Wed	Russian diplo/intel. 11166 40122 25179 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-PHL)
F06	18207	17-11	0610	Wed	Russian diplo/intel. 11166 40122 25179 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	16141	17-11	0620	Wed	Russian diplo/intel. 11166 40122 25179 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	12177	17-11	0700	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB)
F06	10156	17-11	0710	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB)
F06	8138	17-11	0720	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB)
F06	13396	17-11	0830	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	11123	17-11	0840	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	9089	17-11	0850	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	13531	17-11	0930	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	11514	17-11	0940	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	9426	17-11	0950	Wed	11144 00000 96385 16050 00459	FSK 20/1000	(AB)
F06	10231	17-11	1200	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB/MPJ)
F06	8081	17-11	1210	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB/MPJ)
F06	6869	17-11	1220	Wed	Russian diplo/intel. 11166 70202 37564 16046 02159	FSK 200/1000	(AB-RUS/MPJ)
F06	3889	17-11	1700	Wed	Russian diplo/intel. 11100 00000 13582 16056 10029	FSK 200/1000	(PY)
F06	3744	17-11	1710	Wed	Russian diplo/intel. 11100 00000 13582 16056 10029	FSK 200/1000	(PY)
F06	3542	17-11	1720	Wed	Russian diplo/intel. 11100 00000 13582 16056 10029	FSK 200/1000	(Pir)
F06	12177	18-11	0700	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB)



F06	10156	18-11	0710	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB)
F06	8138	18-11	0720	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB)
F06	13396	18-11	0830	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	11123	18-11	0840	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	9089	18-11	0850	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	13532	18-11	0930	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	11514	18-11	0940	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	9426	18-11	0950	Thu	Russian diplo/intel. 11144 00000 36428 17051 00399	FSK 200/1000	(AB)
F06	10231	18-11	1200	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB/MPJ)
F06	8081	18-11	1210	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB/MPJ)
F06	6869	18-11	1220	Thu	Russian diplo/intel. 11166 70202 64287 17047 01999 and 11166 70202 25874 17048 02059	FSK 200/1000	(AB-RUS/MPJ)
F06	11162	18-11	1330	Thu	Russian diplo/intel. 11166 80214 64821 18025 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9915	18-11	1340	Thu	Russian diplo/intel. 11166 80214 64821 18025 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	8187	18-11	1350	Thu	Russian diplo/intel. 11166 80214 64821 18025 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	12177	19-11	0700	Fri	Russian diplo/intel. 11166 70202 75183 19031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10156	19-11	0710	Fri	Russian diplo/intel. 11166 70202 75183 19031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8138	19-11	0720	Fri	Russian diplo/intel. 11166 70202 75183 19031 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3889	19-11	1700	Fri	Russian diplo/intel. 11100 00000 96347 18058 05029	FSK 200/1000	(AB-RUS)
F06	3744	19-11	1710	Fri	Russian diplo/intel. 11100 00000 96347 18058 05029	FSK 200/1000	(AB-RUS)
F06	3542	19-11	1720	Fri	Russian diplo/intel. 11100 00000 96347 18058 05029	FSK 200/1000	(AB-RUS)
F06	10644	21-11	1530	Sun	Russian diplo/intel. 11166 10053 95123 21070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8159	21-11	1540	Sun	Russian diplo/intel. 11166 10053 95123 21070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7438	21-11	1550	Sun	Russian diplo/intel. 11166 10053 95123 21070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	22-11	0700	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	10156	22-11	0710	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	8138	22-11	0720	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	10231	22-11	1200	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	8081	22-11	1210	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	6869	22-11	1220	Mon	Russian diplo/intel. 11166 70202 54817 19049 02219	FSK 200/1000	(AB)
F06	3889	22-11	1700	Mon	Russian diplo/intel. 11100 00000 74158 19059 03029 and 11100 00000 95173 19060 03029	FSK 200/1000	(AB-LVA)
F06	3744	22-11	1710	Mon	Russian diplo/intel. 11100 00000 74158 19059 03029 and 11100 00000 95173 19060 03029	FSK 200/1000	(AB-RUS)
F06	3542	22-11	1720	Mon	Russian diplo/intel. 11100 00000 74158 19059 03029 and 11100 00000 95173 19060 03029	FSK 200/1000	(AB-RUS)
F06	9277	23-11	0030	Tue	Russian diplo/intel. 11166 60070 45932 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8074	23-11	0040	Tue	Russian diplo/intel. 11166 60070 45932 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7412	23-11	0050	Tue	Russian diplo/intel. 11166 60070 45932 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	23-11	0700	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB)
F06	10156	23-11	0710	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB)
F06	8138	23-11	0720	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB)
F06	10231	23-11	1200	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB)
F06	8081	23-11	1210	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB)
F06	6869	23-11	1220	Tue	Russian diplo/intel. 11166 70202 19735 22050 01979 and 11166 70202 64379 22051 01879	FSK 200/1000	(AB-RUS)
F06	10536	23-11	1650	Tue	Russian diplo/intel. 11166 10053 12584 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)

F06	3889	23-11	1700	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-RUS)
F06	8174	23-11	1700	Tue	Russian diplo/intel. 11166 10053 12584 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3744	23-11	1710	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-RUS)
F06	7318	23-11	1710	Tue	Russian diplo/intel. 11166 10053 12584 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3542	23-11	1720	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB-RUS)
F06	20082	24-11	0600	Wed	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	18207	24-11	0610	Wed	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	16141	24-11	0620	Wed	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	12177	24-11	0700	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB)
F06	10156	24-11	0710	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB)
F06	8138	24-11	0720	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB)
F06	20288	24-11	0900	Wed	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	18404	24-11	0910	Wed	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	16266	24-11	0920	Wed	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	10231	24-11	1200	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB)
F06	8081	24-11	1210	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB)
F06	6869	24-11	1220	Wed	Russian diplo/intel. 11166 70202 25497 23052 02479	FSK 200/1000	(AB-RUS)
F06	3889	24-11	1700	Wed	Russian diplo/intel. 11100 00000 23598 23068 10029	FSK 200/1000	(AB)
F06	3744	24-11	1710	Wed	Russian diplo/intel. 11100 00000 23598 23068 10029	FSK 200/1000	(AB)
F06	3542	24-11	1720	Wed	Russian diplo/intel. 11100 00000 23598 23068 10029	FSK 200/1000	(AB)
F06	20082	25-11	0600	Thu	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	18207	25-11	0610	Thu	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	16141	25-11	0620	Thu	Russian diplo/intel. 11166 40122 14539 20075 03179	FSK 200/1000	(AB-J)
F06	12177	25-11	0700	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB)
F06	10156	25-11	0710	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB)
F06	8138	25-11	0720	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB)
F06	20288	25-11	0900	Thu	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	18404	25-11	0910	Thu	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	16266	25-11	0920	Thu	Russian diplo/intel. 11166 00052 25769 24097 01859	FSK 200/1000	(AB)
F06	10231	25-11	1200	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB/MPJ)
F06	8081	25-11	1210	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB/MPJ)
F06	6869	25-11	1220	Thu	Russian diplo/intel. 11166 70202 65214 24053 01939 and 11166 70202 64391 24054 01799	FSK 200/1000	(AB/MPJ)
F06	11162	25-11	1330	Thu	Russian diplo/intel. 11166 80214 85214 25013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9915	25-11	1340	Thu	Russian diplo/intel. 11166 80214 85214 25013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8187	25-11	1350	Thu	Russian diplo/intel. 11166 80214 85214 25013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	26-11	0700	Fri	Russian diplo/intel. 11166 70202 57896 26027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10156	26-11	0710	Fri	Russian diplo/intel. 11166 70202 57896 26027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8138	26-11	0720	Fri	Russian diplo/intel. 11166 70202 57896 26027 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3889	26-11	1700	Fri	Russian diplo/intel. 11100 00000 36418 25070 05029	FSK 200/1000	(AB-RUS)
F06	3744	26-11	1710	Fri	Russian diplo/intel. 11100 00000 36418 25070 05029	FSK 200/1000	(AB-RUS)
F06	3542	26-11	1720	Fri	Russian diplo/intel. 11100 00000 36418 25070 05029	FSK 200/1000	(AB-RUS)
F06	10644	28-11	1530	Sun	Russian diplo/intel. 11166 10053 78541 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	8159	28-11	1540	Sun	Russian diplo/intel. 11166 10053 78541 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7438	28-11	1550	Sun	Russian diplo/intel. 11166 10053 78541 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	29-11	0700	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	10156	29-11	0710	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	8138	29-11	0720	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	10231	29-11	1200	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	8081	29-11	1210	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	6869	29-11	1220	Mon	Russian diplo/intel. 11166 70202 38694 26055 02399	FSK 200/1000	(AB)
F06	3889	29-11	1700	Mon	Russian diplo/intel. 11100 00000 58174 26071 03029 and 11100 00000 37496 26072 03029	FSK 200/1000	(AB-RUS)
F06	3744	29-11	1710	Mon	Russian diplo/intel. 11100 00000 58174 26071 03029 and 11100 00000 37496 26072 03029	FSK 200/1000	(AB-RUS)
F06	3542	29-11	1720	Mon	Russian diplo/intel. 11100 00000 58174 26071 03029 and 11100 00000 37496 26072 03029	FSK 200/1000	(AB-RUS)
F06	9277	30-11	0030	Tue	Russian diplo/intel. 11166 60070 35719 30077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8074	30-11	0040	Tue	Russian diplo/intel. 11166 60070 35719 30077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7412	30-11	0050	Tue	Russian diplo/intel. 11166 60070 35719 30077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	30-11	0700	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB)
F06	10156	30-11	0710	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB)
F06	8138	30-11	0720	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB)
F06	10231	30-11	1200	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB/MPJ)
F06	8081	30-11	1210	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB/MPJ)
F06	6869	30-11	1220	Tue	Russian diplo/intel. 11166 70202 19348 29056 02139 and 11166 70202 26485 29057 01899	FSK 200/1000	(AB-RUS/MPJ)
F06	10536	30-11	1650	Tue	Russian diplo/intel. 11166 10053 72341 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	3889	30-11	1700	Tue	Russian diplo/intel. 7 messages. Damaged wave form. Undecodable	FSK 200/1000	(AB-RUS)
F06	8174	30-11	1700	Tue	Russian diplo/intel. 11166 10053 72341 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	3744	30-11	1710	Tue	Russian diplo/intel. 7 messages. Damaged wave form. Undecodable	FSK 200/1000	(AB-RUS)
F06	7318	30-11	1710	Tue	Russian diplo/intel. 11166 10053 72341 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	3542	30-11	1720	Tue	Russian diplo/intel. 7 messages. Damaged wave form. Undecodable	FSK 200/1000	(AB-RUS)
F06a	5116	4-11	0500	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	4814	4-11	0515	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	3727	4-11	0530	Thu	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	5116	5-11	0500	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	4814	5-11	0515	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	3727	5-11	0530	Fri	Russian diplo/intel. File 44499	FSK 200/1000	(AB)
F06a	20937	6-11	1500	Sat	Russian diplo/intel. File 04493	FSK 200/1000	(AB/MPJ)
F06a	18644	6-11	1515	Sat	Russian diplo/intel. File 04493	FSK 200/1000	(AB/MPJ)
F06a	16251	6-11	1530	Sat	Russian diplo/intel. File 04493	FSK 200/1000	(AB/MPJ)
F06a	20937	7-11	1500	Sun	Russian diplo/intel. File 04493	FSK 200/1000	(AB-RUS/MPJ)
F06a	18644	7-11	1515	Sun	Russian diplo/intel. File 04493	FSK 200/1000	(AB-RUS/MPJ)
F06a	16251	7-11	1530	Sun	Russian diplo/intel. File 04493	FSK 200/1000	(AB/MPJ)
F06a	5116	11-11	0500	Thu	Russian diplo/intel. File 04401	FSK 200/1000	(AB)
F06a	4814	11-11	0515	Thu	Russian diplo/intel. File 04401	FSK 200/1000	(AB)
F06a	3727	11-11	0530	Thu	Russian diplo/intel. File 04401	FSK 200/1000	(AB)
F06a	5116	12-11	0500	Fri	Russian diplo/intel. File 04401	FSK 200/1000	(AB)



F06a	4814	12-11	0515	Fri	Russian diplo/intel. File 04401	FSK 200/1000	(AB)
F06a	3727	12-11	0530	Fri	Russian diplo/intel. File 04401	FSK 200/1000	(AB)
F06a	20937	13-11	1500	Sat	Russian diplo/intel. File 04494	FSK 200/1000	(AB)
F06a	18644	13-11	1515	Sat	Russian diplo/intel. File 04494	FSK 200/1000	(AB)
F06a	16251	13-11	1530	Sat	Russian diplo/intel. File 04494	FSK 200/1000	(AB)
F06a	20937	14-11	1500	Sun	Russian diplo/intel. File 04494	FSK 200/1000	(AB-RUS/MPJ)
F06a	18644	14-11	1515	Sun	Russian diplo/intel. File 04494	FSK 200/1000	(AB-RUS/MPJ)
F06a	16251	14-11	1530	Sun	Russian diplo/intel. File 04494	FSK 200/1000	(AB/MPJ)
F06a	5116	18-11	0500	Thu	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	4814	18-11	0515	Thu	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	3727	18-11	0530	Thu	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	3889	18-11	1700	Thu	Russian diplo/intel. File 44457. Header: 44400 00000 13468 17057 00009	FSK 200/1000	(AB-POL)
F06a	3744	18-11	1710	Thu	Russian diplo/intel. File 44457. Header: 44400 00000 13468 17057 00009	FSK 200/1000	(AB-POL)
F06a	3542	18-11	1720	Thu	Russian diplo/intel. File 44457. Header: 44400 00000 13468 17057 00009	FSK 200/1000	(AB-POL)
F06a	5116	19-11	0500	Fri	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	4814	19-11	0515	Fri	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	3727	19-11	0530	Fri	Russian diplo/intel. File 44402	FSK 200/1000	(AB)
F06a	20937	20-11	1500	Sat	Russian diplo/intel. File 04495	FSK 200/1000	(AB)
F06a	18644	20-11	1515	Sat	Russian diplo/intel. File 04495	FSK 200/1000	(AB)
F06a	16251	20-11	1530	Sat	Russian diplo/intel. File 04495	FSK 200/1000	(AB)
F06a	20937	21-11	1500	Sun	Russian diplo/intel. File 04495	FSK 200/1000	(AB/MPJ)
F06a	18644	21-11	1515	Sun	Russian diplo/intel. File 04495	FSK 200/1000	(AB/MPJ)
F06a	16251	21-11	1530	Sun	Russian diplo/intel. File 04495	FSK 200/1000	(AB/MPJ)
F06a	5116	25-11	0500	Thu	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	4814	25-11	0515	Thu	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	3727	25-11	0530	Thu	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	3889	25-11	1700	Thu	Russian diplo/intel. File 44469. Header: 44400 00000 93458 24069 00009	FSK 200/1000	(AB-RUS)
F06a	3744	25-11	1710	Thu	Russian diplo/intel. File 44469. Header: 44400 00000 93458 24069 00009	FSK 200/1000	(AB-RUS)
F06a	3542	25-11	1720	Thu	Russian diplo/intel. File 44469. Header: 44400 00000 93458 24069 00009	FSK 200/1000	(AB-RUS)
F06a	5116	26-11	0500	Fri	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	4814	26-11	0515	Fri	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	3727	26-11	0530	Fri	Russian diplo/intel. File 44403	FSK 200/1000	(AB)
F06a	20937	27-11	1500	Sat	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ)
F06a	18644	27-11	1515	Sat	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ)
F06a	16251	27-11	1530	Sat	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ)
F06a	20937	28-11	1500	Sun	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ-POL)
F06a	18644	28-11	1515	Sun	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ-POL)
F06a	16251	28-11	1530	Sun	Russian diplo/intel. File 04496	FSK 200/1000	(AB/MPJ-POL)
HM01	11530	1-11	1700	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11635	1-11	1800	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	2-11	1630	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	2-11	2055	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)

HM01	17480	2-11	2155	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	3-11	1600	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	4-11	1600	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	4-11	2055	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	17480	4-11	2155	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11530	5-11	1724	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11635	5-11	2056	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	6-11	1630	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	6-11	2055	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	17480	6-11	2155	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	7-11	1630	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	8-11	1600	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	9-11	1600	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA/RR2)
HM01	11435	10-11	1624	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	11-11	1623	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	12-11	1657	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	13-11	1604	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	13-11	2055	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	17480	13-11	2156	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	14-11	1624	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	15-11	1605	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	16-11	1557	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	17480	16-11	2158	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11530	17-11	1656	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11530	17-11	1730	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	18-11	1656	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11530	18-11	1716	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	17480	18-11	2154	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09) Restart at 2156z	AM/RDFT	(RL)
HM01	11435	19-11	1600	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	20-11	1600	Sat	No transmission	AM/RDFT	(AB-USA)
HM01	11530	20-11	1630	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	20-11	1705	Sat	Late start 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	17480	20-11	2156	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	21-11	1604	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA/RR2)
HM01	11435	22-11	1600	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	10715	22-11	2154	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	23-11	1613	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11530	23-11	1655	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	9065	24-11	0834	Wed	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11530	24-11	1730	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	24-11	1738	Wed	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11530	25-11	1700	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)

HM01	16180	25-11	2054	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	17480	25-11	2156	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	17480	25-11	2210	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	9065	26-11	0754	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	9065	26-11	0854	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09) should be on 9240 kHz. Switched at 0809z	AM/RDFT	(AB)
HM01	9240	26-11	0908	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09) came from 9065 kHz	AM/RDFT	(AB)
HM01	11435	26-11	1605	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	26-11	1632	Fri	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	27-11	1612	Sat	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	27-11	1628	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	28-11	1556	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	28-11	1658	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	9155	29-11	0954	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11435	29-11	1600	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	30-11	1608	Tue	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	30-11	1630	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
M01	5320	2-11	1800	Tue	197 310 310 30 30 == 45678 10483 46281 ...15482 37728 95831 310 310 30 30 000	CW	(AB)
M01	4430	2-11	2000	Tue	Runned most groups together. 197 021 021 = 30 30 == 35018 75839 64819 ... 84930 74839 17483 == 021 021 = 30 30 000	CW	(AB)
M01	5320	4-11	1800	Thu	Very weak 197 501 501 30 30 == 85959 ____76 37485 56_84 ... 75647 82745 27586 = 1 30 000	CW	(AB)
M01	5810	6-11	1500	Sat	197 124 124 30 30 == 21323 21345 90987 ... 09890 76787 65678 == 124 124 30 30 000	CW	(AB/MPJ-HOL)
M01	5465	7-11	0700	Sun	197 125 125 30 30 == 21345 43234 65456 ... 43213 54567 90987 == 125 125 000	CW	(AB-RUS)
M01	5320	9-11	1800	Tue	197 461 461 30 30 == 36542 16243 09897 ... (fades towards end) == 461 461 ... SK 30 30 0..	CW	(MPJ-AUT)
M01	4430	9-11	2000	Tue	197 840 840 30 30 == 39463 36784 46532 ... == 840 840 30 30 000 mostly unreadable	CW	(AB-RUS)
M01	5810	13-11	1500	Sat	197 823 823 30 30 == 68294 84920 02841 ... 59402 56271 68391 == 823 823 30 30 0 0. 0. 0.	CW	(AB/HFD)
M01	5465	14-11	0700	Sun	197 905 905 30 30 == 57289 57381 68940 ... 50293 57184 59294 == 905 905 30 30 000	CW	(AB-FIN)
M01	5320	16-11	1805	Tue	Active but unreadable	CW	(MPJ)
M01	5320	18-11	1800	Thu	197 125 125 30 30 == 41536 90218 41358 ... 78950 91028 64125 == 125 125 30 30 000	CW	(AB-RUS/MPJ-HOL)
M01	4490	18-11	2000	Thu	197 110 110 30 30 == 21323 45434 90989 ... 09890 31322 65556 == 110 110 30 30 0. 0. 0.	CW	(AB-RUS)
M01	5810	20-11	1500	Sat	197 365 365 30 30 == 22110 09150 18400 ... 94837 36508 52108 == 365 365 30 30 000	CW	(AB)
M01	5465	21-11	0700	Sun	197 150 150 30 30 == 42465 87890 67965 ... 53457 41357 31467 == 150 150 30 30 000	CW	(AB-FIN/HFD)
M01	5320	23-11	1800	Tue	197 084 084 30 30 35884 98121 56471 ... 34 02030 02004712 4732w 00110001100 (!) 084 084 30 30 000	CW	(MPJ)
M01	4490	23-11	2000	Tue	197 303 303 30 30 == 73290 74021 57300 ... 56565 72340 10110 303 303 30 30 000	CW	(AB-RUS)
M01	5320	25-11	1800	Thu	197 active but unreadable	CW	(MPJ)
M01	4490	25-11	2000	Thu	197 436 436 30 30 == 44354 65709 13243 ... 48765 68787 22099 436 436 30 30 000	CW	(AB-RUS/HFD)
M01	5810	27-11	1500	Sat	197 876 876 30 30 == 77654 74343 73843 ... 78274 92743 72747 == 876 876 30 30 000	CW	(AB/MPJ)
M01	5465	28-11	0700	Sun	197 892 892 30 30 == 46376 88734 76352 ... 55749 66473 87653 == 892 892 30 30 000	CW	(AB-FIN/HFD)
M01	5320	30-11	1800	Tue	197 029 029 30 30 == 43875 43948 12090 ... 67334 01221 2003 20031 4532 3532 43431 441 (!) == 029 029 30 30 000	CW	(MPJ-AUT)
M01	4490	30-11	2000	Tue	197 701 701 30 30 == 78933 45671 87002 ... 45432 23210 00010 == 701 701 30 30 000	CW	(AB)

M12	14377	1-11	1130	Mon	317 317 317 1 2044 99 2044 99 01506 53407 12091 ... 57745 76189 92660 000 000	CW	(AB/MPJ)
M12	13461	1-11	1150	Mon	317 317 317 1 2044 99 2044 99 01506 53407 12091 ... 57745 76189 92660 000 000	CW	(AB/MPJ)
M12	12114	1-11	1210	Mon	317 317 317 1 2044 99 2044 99 01506 53407 12091 ... 57745 76189 92660 000 000	CW	(AB/MPJ)
M12	6937	1-11	2210	Mon	975 975 975 1 ...	CW	(HFD)
M12	5737	1-11	2230	Mon	975 975 975 1 ...	CW	(HFD)
M12	4537	1-11	2250	Mon	975 975 975 1 ...	CW	(HFD)
M12	10446	1-11	2300	Mon	392 392 392 000	CW	(RL/HFD)
M12	9046	1-11	2320	Mon	392 392 392 000	CW	(RL/HFD)
M12	6874	2-11	0030	Tue	803 803 803 000	CW	(HFD)
M12	8074	2-11	0050	Tue	803 803 803 000	CW	(HFD)
M12	9317	2-11	0530	Tue	135 135 135 1 8340 113 8340 113 63464 28265 74485 ... 00053 73061 06219 000 000	CW	(AB/HFD)
M12	10484	2-11	0550	Tue	135 135 135 1 8340 113 8340 113 63464 28265 74485 ... 00053 73061 06219 000 000	CW	(AB/HFD)
M12	11552	2-11	0610	Tue	135 135 135 1 8340 113 8340 113 63464 28265 74485 ... 00053 73061 06219 000 000	CW	(AB/HFD)
M12	17432	3-11	0800	Wed	451 451 451 000	CW	(AB/HFD)
M12	18532	3-11	0820	Wed	451:0	CW	(HFD)
M12	12162	3-11	1710	Wed	546 546 546 1 5432 110 5432 110 57699 06185 78229 ... 96597 67688 71718 000 000	CW	(AB/HFD)
M12	11566	3-11	1730	Wed	546 546 546 1 5432 110 5432 110 57699 06185 78229 ... 96597 67688 71718 000 000	CW	(AB/HFD)
M12	10711	3-11	1750	Wed	546 546 546 1 5432 110 5432 110 57699 06185 78229 ... 96597 67688 71718 000 000	CW	(AB/HFD)
M12	11054	4-11	0110	Thu	972 972 972 1 ...	CW	(HFD)
M12	10754	4-11	0130	Thu	972 972 972 1 ...	CW	(HFD)
M12	9254	4-11	0150	Thu	972 972 972 1 ...	CW	(HFD)
M12	13386	4-11	1110	Thu	725 725 725 1 6798 92 6798 92 56723 06937 39649 ... 49194 02313 53381 000 000	CW	(AB/HFD)
M12	12189	4-11	1130	Thu	725 725 725 1 6798 92 6798 92 56723 06937 39649 ... 49194 02313 53381 000 000	CW	(AB/HFD)
M12	11491	4-11	1150	Thu	725 725 725 1 6798 92 6798 92 56723 06937 39649 ... 49194 02313 53381 000 000	CW	(AB/HFD)
M12	16292	4-11	1400	Thu	283 283 283 1 8266 51 8266 51 60142 41487 27453 ... 11503 99954 81527 000 000	CW	(AB)
M12	14892	4-11	1420	Thu	283 283 283 1 8266 51 8266 51 60142 41487 27453 ... 11503 99954 81527 000 000	CW	(AB)
M12	14392	4-11	1440	Thu	283 283 283 1 8266 51 8266 51 60142 41487 27453 ... 11503 99954 81527 000 000	CW	(AB)
M12	12162	4-11	1700	Thu	546 546 546 1 3858 107 3858 107 59953 39527 36012 ... 34246 29809 83448 000 000	CW	(AB/HFD)
M12	11566	4-11	1720	Thu	546 546 546 1 3858 107 3858 107 59953 39527 36012 ... 34246 29809 83448 000 000	CW	(AB/HFD)
M12	10711	4-11	1740	Thu	546 546 546 1 3858 107 3858 107 59953 39527 36012 ... 34246 29809 83448 000 000	CW	(AB/HFD)
M12	12162	4-11	1800	Thu	546 546 546 1 6838 106 6838 106 38618 57646 85312 ... 25338 07052 77608 000 000	CW	(AB)
M12	11566	4-11	1820	Thu	546 546 546 1 6838 106 6838 106 38618 57646 85312 ... 25338 07052 77608 000 000	CW	(AB)
M12	10711	4-11	1840	Thu	546 546 546 1 6838 106 6838 106 38618 57646 85312 ... 25338 07052 77608 000 000	CW	(AB)
M12	14377	4-11	2000	Thu	317 317 317 1 2804 105 2804 105 78454 06720 06662 ... 23686 12770 56911 000 000	CW	(AB-FIN/HFD)
M12	13462	4-11	2020	Thu	317 317 317 1 2804 105 2804 105 78454 06720 06662 ... 23686 12770 56911 000 000	CW	(AB-FIN/HFD)
M12	12114	4-11	2040	Thu	317 317 317 1 2804 105 2804 105 78454 06720 06662 ... 23686 12770 56911 000 000	CW	(AB/HFD)
M12	6937	4-11	2210	Thu	975 975 975 1 6130 78 6130 78 25643 78959 06161 ... 87774 10695 72520 000 000	CW	(AB)
M12	5737	4-11	2230	Thu	975 975 975 1 6130 78 6130 78 25643 78959 06161 ... 87774 10695 72520 000 000	CW	(AB)
M12	4537	4-11	2250	Thu	975 975 975 1 6130 78 6130 78 25643 78959 06161 ... 87774 10695 72520 000 000	CW	(AB)
M12	10446	4-11	2300	Thu	392 392 392 000	CW	(RL)
M12	9046	4-11	2320	Thu	392 392 392 000	CW	(RL)
M12	6917	5-11	2000	Fri	981 981 981 000	CW	(AB)

M12	5817	5-11	2020	Fri	981 981 981 000	CW	(AB)
M12	6859	5-11	2200	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/HFD)
M12	7459	5-11	2220	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/HFD)
M12	7959	5-11	2240	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/HFD)
M12	11435	6-11	1800	Sat	938 938 938 1 2739 78 2739 78 95861 33997 05581 ... 86617 21395 68478 000 000	CW	(AB-RUS)
M12	10598	6-11	1820	Sat	938 938 938 1 2739 78 2739 78 95861 33997 05581 ... 86617 21395 68478 000 000	CW	(AB-RUS)
M12	9327	6-11	1840	Sat	938 938 938 1 2739 78 2739 78 95861 33997 05581 ... 86617 21395 68478 000 000	CW	(AB-RUS)
M12	6859	6-11	2200	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	7459	6-11	2220	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	7959	6-11	2240	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/RL)
M12	17432	7-11	0800	Sun	451 451 451 000	CW	(AB)
M12	18532	7-11	0820	Sun	451 451 451 000	CW	(AB)
M12	14377	8-11	1130	Mon	317 317 317 1 2052 97 2052 97 91964 51556 50317 ... 38437 47292 76542 000 000	CW	(AB)
M12	13461	8-11	1150	Mon	317 317 317 1 2052 97 2052 97 91964 51556 50317 ... 38437 47292 76542 000 000	CW	(AB)
M12	12114	8-11	1210	Mon	317 317 317 1 2052 97 2052 97 91964 51556 50317 ... 38437 47292 76542 000 000	CW	(AB)
M12	16292	8-11	1400	Mon	283 283 283 000	CW	(AB/MPJ)
M12	14892	8-11	1420	Mon	283 283 283 000	CW	(AB/MPJ/RL-HOL)
M12	6937	8-11	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	8-11	2230	Mon	975 975 975 000	CW	(AB)
M12	9046	8-11	2320	Mon	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(RL)
M12	7946	8-11	2340	Mon	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(RL)
M12	6874	9-11	0030	Tue	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	8074	9-11	0050	Tue	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	9374	9-11	0110	Tue	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	9317	9-11	0530	Tue	135 135 135 1 5482 105 5482 105 86215 67333 75105 ... 48449 52227 70159 000 000	CW	(AB)
M12	10484	9-11	0550	Tue	135 135 135 1 5482 105 5482 105 86215 67333 75105 ... 48449 52227 70159 000 000	CW	(AB)
M12	11552	9-11	0610	Tue	135 135 135 1 5482 105 5482 105 86215 67333 75105 ... 48449 52227 70159 000 000	CW	(AB)
M12	17432	10-11	0800	Wed	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	18532	10-11	0820	Wed	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	19132	10-11	0840	Wed	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	12162	10-11	1710	Wed	546 546 546 5828 111 5828 111 12421 63542 59366 ... 49298 13457 33635 000 000	CW	(AB/MPJ)
M12	11566	10-11	1730	Wed	546 546 546 5828 111 5828 111 12421 63542 59366 ... 49298 13457 33635 000 000	CW	(AB/MPJ)
M12	10711	10-11	1750	Wed	546 546 546 5828 111 5828 111 12421 63542 59366 ... 49298 13457 33635 000 000	CW	(AB/MPJ)
M12	6917	10-11	2000	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB/HFD)
M12	5817	10-11	2020	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB/HFD)
M12	5117	10-11	2040	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB/HFD)
M12	13386	11-11	1110	Thu	725 725 725 1 2117 97 2117 97 83000 11011 18361 ... 84644 75986 65132 000 000	CW	(AB)
M12	12189	11-11	1130	Thu	725 725 725 1 2117 97 2117 97 83000 11011 18361 ... 84644 75986 65132 000 000	CW	(AB)
M12	11491	11-11	1150	Thu	725 725 725 1 2117 97 2117 97 83000 11011 18361 ... 84644 75986 65132 000 000	CW	(AB)
M12	16292	11-11	1400	Thu	283 283 283 000	CW	(AB/HFD-RUS)
M12	14892	11-11	1420	Thu	283 283 283 000	CW	(AB/HFD-RUS)
M12	12162	11-11	1700	Thu	546 546 546 1 1569 111 1569 111 09528 94659 25728 ... 40387 20296 58590 000 000	CW	(AB-RUS)



M12	11566	11-11	1720	Thu	546 546 546 1 1569 111 1569 111 09528 94659 25728 ... 40387 20296 58590 000 000	CW	(AB-RUS)
M12	10711	11-11	1740	Thu	546 546 546 1 1569 111 1569 111 09528 94659 25728 ... 40387 20296 58590 000 000	CW	(AB)
M12	12162	11-11	1800	Thu	546 546 546 1 6041 109 6041 109 79480 46460 69280 ... 10340 28122 28093 000 000	CW	(AB-RUS)
M12	11566	11-11	1820	Thu	546 546 546 1 6041 109 6041 109 79480 46460 69280 ... 10340 28122 28093 000 000	CW	(AB-RUS)
M12	10711	11-11	1840	Thu	546 546 546 1 6041 109 6041 109 79480 46460 69280 ... 10340 28122 28093 000 000	CW	(AB)
M12	14377	11-11	2000	Thu	317 317 317 1 4930 108 4930 108 58931 57067 73350 ... 45465 90157 08496 000 000	CW	(AB-RUS)
M12	13462	11-11	2020	Thu	317 317 317 1 4930 108 4930 108 58931 57067 73350 ... 45465 90157 08496 000 000	CW	(AB-RUS)
M12	12114	11-11	2040	Thu	317 317 317 1 4930 108 4930 108 58931 57067 73350 ... 45465 90157 08496 000 000	CW	(AB)
M12	6937	11-11	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	11-11	2230	Thu	975 975 975 000	CW	(AB)
M12	6874	12-11	0030	Fri	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	8074	12-11	0050	Fri	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	9374	12-11	0110	Fri	803 803 803 1 7374 135 7374 135 84333 34607 76352 ... 72502 97730 15689 000 000	CW	(AB)
M12	6917	12-11	2000	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5817	12-11	2020	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5117	12-11	2040	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	6859	12-11	2200	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	7459	12-11	2220	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	7959	12-11	2240	Fri	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	11435	13-11	1800	Sat	938 938 938 1 3867 74 3867 74 16730 07013 51618 ... 71856 99182 34954 000 000	CW	(AB-RUS)
M12	10598	13-11	1820	Sat	938 938 938 1 3867 74 3867 74 16730 07013 51618 ... 71856 99182 34954 000 000	CW	(AB-RUS)
M12	9327	13-11	1840	Sat	938 938 938 1 3867 74 3867 74 16730 07013 51618 ... 71856 99182 34954 000 000	CW	(AB-RUS)
M12	6859	13-11	2200	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB)
M12	7459	13-11	2220	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/RL)
M12	7959	13-11	2240	Sat	849 849 849 1 254 32 254 32 23965 32322 49103 ... 74022 44741 96564 000 000	CW	(AB/RL)
M12	17432	14-11	0800	Sun	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	18532	14-11	0820	Sun	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	19132	14-11	0840	Sun	451 451 451 1 7354 89 7354 89 20017 14511 13924 ... 65330 08185 13822 000 000	CW	(AB)
M12	14377	15-11	1130	Mon	317 317 317 1 4820 90 4820 90 32533 19454 79656 ... 32882 15929 59936 000 000	CW	(AB/HFD)
M12	13461	15-11	1150	Mon	317 317 317 1 4820 90 4820 90 32533 19454 79656 ... 32882 15929 59936 000 000	CW	(AB/HFD)
M12	12114	15-11	1210	Mon	317 317 317 1 4820 90 4820 90 32533 19454 79656 ... 32882 15929 59936 000 000	CW	(AB/HFD)
M12	16292	15-11	1400	Mon	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB)
M12	14892	15-11	1420	Mon	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB)
M12	14392	15-11	1440	Mon	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB)
M12	6937	15-11	2210	Mon	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	5737	15-11	2230	Mon	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	4537	15-11	2250	Mon	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	10446	15-11	2300	Mon	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB)
M12	9046	15-11	2320	Mon	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB)
M12	7946	15-11	2340	Mon	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB)
M12	6874	16-11	0030	Tue	803 803 803 000	CW	(AB)
M12	8074	16-11	0050	Tue	803 803 803 000	CW	(AB)

M12	9317	16-11	0530	Tue	135 135 135 1 6515 105 6515 105 98690 ...	CW	(AB)
M12	10484	16-11	0550	Tue	135 135 135 1 6515 105 6515 105 98690 ...	CW	(AB)
M12	11552	16-11	0610	Tue	135 135 135 1 6515 105 6515 105 98690 ...	CW	(AB)
M12	17432	17-11	0800	Wed	451 451 451 000	CW	(AB)
M12	18532	17-11	0820	Wed	451 451 451 000	CW	(AB)
M12	12162	17-11	1710	Wed	546 546 546 1 6794 108 6794 108 58011 18760 08098 ... 67052 45875 78666 000 000 hiccup in 3rd group	CW	(AB-CYP/MPJ)
M12	11566	17-11	1730	Wed	546 546 546 1 6794 108 6794 108 58011 18760 08098 ... 67052 45875 78666 000 000 hiccup in preamble, 1x 000 at the end	CW	(AB-CYP/MPJ)
M12	10711	17-11	1750	Wed	546 546 546 1 6794 108 6794 108 58011 18760 08098 ... 67052 45875 78666 000 000	CW	(AB/MPJ)
M12	6917	17-11	2000	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5817	17-11	2020	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5117	17-11	2040	Wed	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	11054	18-11	0110	Thu	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	10754	18-11	0130	Thu	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	9254	18-11	0150	Thu	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	13386	18-11	1110	Thu	725 725 725 1 1798 97 1798 97 14700 93986 38680 ... 76164 90449 03302 000 000	CW	(AB)
M12	12189	18-11	1130	Thu	725 725 725 1 1798 97 1798 97 14700 93986 38680 ... 76164 90449 03302 000 000	CW	(AB)
M12	11491	18-11	1150	Thu	725 725 725 1 1798 97 1798 97 14700 93986 38680 ... 76164 90449 03302 000 000	CW	(AB)
M12	16292	18-11	1400	Thu	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB/MPJ)
M12	14892	18-11	1420	Thu	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB/MPJ)
M12	14392	18-11	1440	Thu	283 283 283 1 188 78 188 78 25220 19267 92546 ... 62454 86334 19556 000 000	CW	(AB/MPJ/RL-HOL)
M12	12162	18-11	1700	Thu	546 546 546 1 9191 111 9191 111 81456 05963 86145 ... 16088 06266 42294 000 000	CW	(AB-RUS/MPJ)
M12	11566	18-11	1720	Thu	546 546 546 1 9191 111 9191 111 81456 05963 86145 ... 16088 06266 42294 000 000	CW	(AB-RUS/MPJ)
M12	10711	18-11	1740	Thu	546 546 546 1 9191 111 9191 111 81456 05963 86145 ... 16088 06266 42294 000 000	CW	(AB/MPJ)
M12	12162	18-11	1800	Thu	546 546 546 1 3103 112 3103 112 65561 90885 45237 ... 36039 63937 60802 000 000	CW	(AB-RUS/HFD)
M12	11566	18-11	1820	Thu	546 546 546 1 3103 112 3103 112 65561 90885 45237 ... 36039 63937 60802 000 000	CW	(AB-RUS/HFD)
M12	10711	18-11	1840	Thu	546 546 546 1 3103 112 3103 112 65561 90885 45237 ... 36039 63937 60802 000 000	CW	(AB/HFD)
M12	14377	18-11	2000	Thu	317 317 317 1 4503 109 4503 109 44486 05615 24853 ... 87827 95346 10870 000 000	CW	(AB-RUS)
M12	13462	18-11	2020	Thu	317 317 317 1 4503 109 4503 109 44486 05615 24853 ... 87827 95346 10870 000 000	CW	(AB-RUS)
M12	12114	18-11	2040	Thu	317 317 317 1 4503 109 4503 109 44486 05615 24853 ... 87827 95346 10870 000 000	CW	(AB)
M12	6937	18-11	2210	Thu	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	5737	18-11	2230	Thu	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	4537	18-11	2250	Thu	975 975 975 1 9528 49 9528 49 50274 76173 19461 ... 93459 54640 98632 000 000	CW	(AB)
M12	10446	18-11	2300	Thu	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB)
M12	9046	18-11	2320	Thu	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB/RL)
M12	7946	18-11	2340	Thu	392 392 392 1 114 49 114 49 89828 11381 06590 ... 63032 77498 77238 000 000	CW	(AB/RL)
M12	6874	19-11	0030	Fri	803 803 803 000	CW	(AB)
M12	8074	19-11	0050	Fri	803 803 803 000	CW	(AB)
M12	6917	19-11	2000	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5817	19-11	2020	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)
M12	5117	19-11	2040	Fri	981 981 981 1 2065 93 2065 93 92281 37457 83485 ... 91553 14513 12808 000 000	CW	(AB)

M12	6859	19-11	2200	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB/RL)
M12	7459	19-11	2220	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB/RL)
M12	7959	19-11	2240	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB/RL)
M12	11435	20-11	1800	Sat	938 938 938 1 6104 73 6104 73 26086 28970 10150 ... 53983 90073 17795 000 000	CW	(AB-RUS/HFD)
M12	10598	20-11	1820	Sat	938 938 938 1 6104 73 6104 73 26086 28970 10150 ... 53983 90073 17795 000 000	CW	(AB-RUS/HFD)
M12	9327	20-11	1840	Sat	938 938 938 1 6104 73 6104 73 26086 28970 10150 ... 53983 90073 17795 000 000	CW	(AB-RUS/HFD)
M12	6859	20-11	2200	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7459	20-11	2220	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7959	20-11	2240	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	17432	21-11	0800	Sun	451 451 451 000	CW	(AB)
M12	18532	21-11	0820	Sun	451 451 451 000	CW	(AB)
M12	14377	22-11	1130	Mon	317 317 317 1 1183 96 1183 96 04158 23567 08299 ... 02078 38378 18000 000 000	CW	(AB)
M12	13461	22-11	1150	Mon	317 317 317 1 1183 96 1183 96 04158 23567 08299 ... 02078 38378 18000 000 000	CW	(AB)
M12	12114	22-11	1210	Mon	317 317 317 1 1183 96 1183 96 04158 23567 08299 ... 02078 38378 18000 000 000	CW	(AB)
M12	16292	22-11	1400	Mon	283 283 283 000	CW	(AB)
M12	14892	22-11	1420	Mon	283 283 283 000	CW	(AB)
M12	6937	22-11	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	22-11	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	10446	22-11	2300	Mon	392 392 392 000	CW	(AB/RL)
M12	9046	22-11	2320	Mon	392 392 392 000	CW	(AB/RL)
M12	6874	23-11	0030	Tue	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	8074	23-11	0050	Tue	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	9374	23-11	0110	Tue	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	9317	23-11	0530	Tue	135 135 135 1 9549 109 9549 109 31586 72558 96829 ... 33426 60623 51389 000 000	CW	(AB-RUS)
M12	10484	23-11	0550	Tue	135 135 135 1 9549 109 9549 109 31586 72558 96829 ... 33426 60623 51389 000 000	CW	(AB-GRC)
M12	11552	23-11	0610	Tue	135 135 135 1 9549 109 9549 109 31586 72558 96829 ... 33426 60623 51389 000 000	CW	(AB)
M12	17432	24-11	0800	Wed	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	18532	24-11	0820	Wed	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	19132	24-11	0840	Wed	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	12162	24-11	1710	Wed	546 546 546 1 6482 106 6482 106 26007 59547 26643... 61873 45850 59416 000 000	CW	(AB-RUS)
M12	11566	24-11	1730	Wed	546 546 546 1 6482 106 6482 106 26007 59547 26643... 61873 45850 59416 000 000	CW	(AB-RUS)
M12	10711	24-11	1750	Wed	546 546 546 1 6482 106 6482 106 26007 59547 26643... 61873 45850 59416 000 000	CW	(AB)
M12	6917	24-11	2000	Wed	981 981 981 000	CW	(AB)
M12	5817	24-11	2020	Wed	981 981 981 000	CW	(AB)
M12	13386	25-11	1110	Thu	725 725 725 1 2627 98 2627 98 21467 08614 75184 ... 08472 80105 83573 000 000	CW	(AB)
M12	12189	25-11	1130	Thu	725 725 725 1 2627 98 2627 98 21467 08614 75184 ... 08472 80105 83573 000 000	CW	(AB)
M12	11491	25-11	1150	Thu	725 725 725 1 2627 98 2627 98 21467 08614 75184 ... 08472 80105 83573 000 000	CW	(AB)
M12	16292	25-11	1400	Thu	283 283 283 000	CW	(AB/MPJ)
M12	14892	25-11	1420	Thu	283 283 283 000	CW	(AB/MPJ)
M12	12162	25-11	1700	Thu	546 546 546 1 5262 105 5262 105 36006 31497 15167 ... 52275 18323 22323 000 000	CW	(AB-KWT)
M12	11566	25-11	1720	Thu	546 546 546 1 5262 105 5262 105 36006 31497 15167 ... 52275 18323 22323 000 000	CW	(AB-KWT)
M12	10711	25-11	1740	Thu	546 546 546 1 5262 105 5262 105 36006 31497 15167 ... 52275 18323 22323 000 000	CW	(AB-RUS)



M12	12162	25-11	1800	Thu	546 546 546 1 1131 105 1131 105 62672 65371 77847 ... 78354 39735 05486 000 000	CW	(AB-RUS)
M12	11566	25-11	1820	Thu	546 546 546 1 1131 105 1131 105 62672 65371 77847 ... 78354 39735 05486 000 000	CW	(AB-CYP)
M12	10711	25-11	1840	Thu	546 546 546 1 1131 105 1131 105 62672 65371 77847 ... 78354 39735 05486 000 000	CW	(AB-RUS)
M12	14377	25-11	2000	Thu	317 317 317 1 8666 101 8666 101 41687 65104 03185 ... 87481 67576 95813 000 000	CW	(AB-RUS)
M12	13462	25-11	2020	Thu	317 317 317 1 8666 101 8666 101 41687 65104 03185 ... 87481 67576 95813 000 000	CW	(AB-RUS)
M12	12114	25-11	2040	Thu	317 317 317 1 8666 101 8666 101 41687 65104 03185 ... 87481 67576 95813 000 000	CW	(AB)
M12	6937	25-11	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	5737	25-11	2230	Thu	975 975 975 000	CW	(AB/RL)
M12	10446	25-11	2300	Thu	392 392 392 000	CW	(AB/RL)
M12	9046	25-11	2320	Thu	392 392 392 000	CW	(AB/RL)
M12	16275	26-11	0010	Fri	296 296 296 1 ...	CW	(HFD-J)
M12	6874	26-11	0030	Fri	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	15975	26-11	0030	Fri	296 296 296 1 ...	CW	(HFD)
M12	8074	26-11	0050	Fri	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	14675	26-11	0050	Fri	296 296 296 1 ...	CW	(HFD-J)
M12	9374	26-11	0110	Fri	803 803 803 1 9591 77 9591 77 08102 96022 20624 ... 07058 98388 46232 000 000	CW	(AB)
M12	6917	26-11	2000	Fri	981 981 981 000	CW	(AB)
M12	5817	26-11	2020	Fri	981 981 981 000	CW	(AB)
M12	6859	26-11	2200	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7459	26-11	2220	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7959	26-11	2240	Fri	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	11435	27-11	1800	Sat	938 938 938 1 2649 78 2649 78 18161 59403 38694 ... 17387 39802 28941 000 000	CW	(AB-RUS)
M12	10598	27-11	1820	Sat	938 938 938 1 2649 78 2649 78 18161 59403 38694 ... 17387 39802 28941 000 000	CW	(AB-RUS)
M12	9327	27-11	1840	Sat	938 938 938 1 2649 78 2649 78 18161 59403 38694 ... 17387 39802 28941 000 000	CW	(AB-RUS)
M12	6859	27-11	2200	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7459	27-11	2220	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	7959	27-11	2240	Sat	849 849 849 1 585 120 585 120 94520 43168 97966 ... 26171 30247 11626 000 000	CW	(AB)
M12	11054	28-11	0110	Sun	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	10754	28-11	0130	Sun	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	9254	28-11	0150	Sun	972 972 972 1 311 36 311 36 95325 17537 13286 ... 04113 35685 88597 000 000	CW	(AB)
M12	17432	28-11	0800	Sun	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	18532	28-11	0820	Sun	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	19132	28-11	0840	Sun	451 451 451 1 6134 94 6134 94 51352 37922 39203 ... 47161 30933 32118 000 000	CW	(AB)
M12	14377	29-11	1130	Mon	317 317 317 1 8130 91 8130 91 03730 13679 03826 ... 62835 46344 79874 000 000	CW	(AB)
M12	13461	29-11	1150	Mon	317 317 317 1 8130 91 8130 91 03730 13679 03826 ... 62835 46344 79874 000 000	CW	(AB)
M12	12114	29-11	1210	Mon	317 317 317 1 8130 91 8130 91 03730 13679 03826 ... 62835 46344 79874 000 000	CW	(AB)
M12	16292	29-11	1400	Mon	283 283 283 1 1121 93 1121 93 63017 95467 58744 ...83365 32899 53549 000 000	CW	(AB)
M12	14892	29-11	1420	Mon	283 283 283 1 1121 93 1121 93 63017 95467 58744 ...83365 32899 53549 000 000	CW	(AB)
M12	14392	29-11	1440	Mon	283 283 283 1 1121 93 1121 93 63017 95467 58744 ...83365 32899 53549 000 000	CW	(AB)
M12	6937	29-11	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	29-11	2230	Mon	975 975 975 000	CW	(AB)
M12	10446	29-11	2300	Mon	392 392 392 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB)

<b>M12</b>	9046	29-11	2320	Mon	392 392 392 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB)
<b>M12</b>	7946	29-11	2340	Mon	392 392 392 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB)
<b>M12</b>	6874	30-11	0030	Tue	803 803 803 000	CW	(AB)
<b>M12</b>	8074	30-11	0050	Tue	803 803 803 000	CW	(AB)
<b>M12</b>	9317	30-11	0530	Tue	135 135 135 1 5032 106 5032 106 32228 76431 06527 ... 17131 89622 34362 000 000	CW	(AB-RUS)
<b>M12</b>	10484	30-11	0550	Tue	135 135 135 1 5032 106 5032 106 32228 76431 06527 ... 17131 89622 34362 000 000	CW	(AB-GRC)
<b>M12</b>	11552	30-11	0610	Tue	135 135 135 1 5032 106 5032 106 32228 76431 06527 ... 17131 89622 34362 000 000	CW	(AB)
<b>M14</b>	12211	1-11	0500	Mon	952 606 606 51 51 = = 58008 74008 65090 ... 52722 02334 62131 = = 606 606 51 51 00000	CW	(AB-J)
<b>M14</b>	10243	1-11	0520	Mon	952 606 606 51 51 = = 58008 74008 65090 ... 52722 02334 62131 = = 606 606 51 51 00000	CW	(AB-J)
<b>M14</b>	12211	2-11	0500	Tue	952 713 713 52 52 = = 90318 06011 93266 ... 24050 52735 71151 = = 713 713 52 52 00000	CW	(AB-J)
<b>M14</b>	10243	2-11	0520	Tue	952 713 713 52 52 = = 90318 06011 93266 ... Off after group 12	CW	(AB-J)
<b>M14</b>	12211	3-11	0500	Wed	952 484 484 51 51 = = 43365 04391 12923 ... 72471 98267 43178 = = 484 484 51 51 00000	CW	(AB-J)
<b>M14</b>	10243	3-11	0520	Wed	952 484 484 51 51 = = 43365 04391 12923 ... 72471 98267 43178 = = 484 484 51 51 00000	CW	(AB-RUS)
<b>M14</b>	12211	8-11	0502	Mon	Late start 952 107 107 53 53 = = 00772 34213 45235 ... 78588 02799 00666 = = 107 107 53 53 00000	CW	(AB-J)
<b>M14</b>	10243	8-11	0520	Mon	952 107 107 53 53 = = 00772 34213 45235 ... 78588 02799 00666 = = 107 107 53 53 00000	CW	(AB-J)
<b>M14</b>	12211	9-11	0503	Tue	952 843 843 52 52 = = 44001 26974 40281 ... 65491 05435 64590 = = 843 843 52 52 (no nulls) Late start	CW	(AB-J)
<b>M14</b>	10243	9-11	0520	Tue	952 843 843 52 52 = = 44001 26974 40281 ... 65491 05435 64590 = = 843 843 52 52 (no nulls)	CW	(AB-J)
<b>M14</b>	12211	10-11	0500	Wed	Transmitter problems. Off at 0509 and back at 0510z. 952 (incomplete preamble) 16012 22644 28360 ... 82850 52687 55743 = = 616 616 51 51 (no nulls)	CW	(AB-J)
<b>M14</b>	10243	10-11	0520	Wed	No transmission	CW	(AB-J)
<b>M14</b>	17458	10-11	0930	Wed	617 617 617 00000	CW	(AB/HFD)
<b>M14</b>	12211	11-11	0500	Thu	952 37 837 51 51 = = 21702 75757 50506 ... 19749 75662 11264 = = 837 837 51 51 00000	CW	(AB-J)
<b>M14</b>	10243	11-11	0520	Thu	952 37 837 51 51 = = 21702 75757 50506 ... 19749 75662 11264 = = 837 837 51 51 00000	CW	(AB-J)
<b>M14</b>	12211	12-11	0500	Fri	952. Several stops and restarts during the callup. Off at 0507z. Silence, then test tones. No-thing else	CW	(AB)
<b>M14</b>	10243	12-11	0520	Fri	952 464 464 53 53 = = 86457 14660 25992 ... 81511 97891 17649 = = 464 464 53 53 (no nulls) Sent only 52 groups	CW	(AB)
<b>M14</b>	12211	15-11	0502	Mon	Technical problems: sound level up and down, hiccups and restarts, off at 0509z in mid mes- sage	CW	(AB-J/HFD-J)
<b>M14</b>	10243	15-11	0520	Mon	952 817 817 53 53 = = 35195 75840 74088 ... 29698 36144 91265 = = 817 817 53 53 00000	CW	(AB-J/HFD-J)
<b>M14</b>	10243	16-11	0519	Tue	Started with the end of the message. Restart at 0521z. 952 640 640 52 52 = = 18521 49257 63870 ... 70131 95731 30778 = = 640 640 52 52 00000	CW	(AB-J)
<b>M14</b>	12211	18-11	0500	Thu	952 704 51 740 51 51 = = 24194 45975 96692 ... 09854 19523 89512 = = 740 704 51 51 00000	CW	(AB-J)
<b>M14</b>	10243	18-11	0520	Thu	952 704 51 740 51 51 = = 24194 45975 96692 ... 09854 19523 89512 = = 740 704 51 51 00000	CW	(AB-J)
<b>M14</b>	12211	19-11	0500	Fri	952 361 361 53 53 = = 18521 49257 63870 ... 70131 95731 30778 = = 361 361 53 53 (no nulls) Sent only 52 groups	CW	(AB)
<b>M14</b>	10243	19-11	0520	Fri	952 361 361 53 53 = = 18521 49257 63870 ... 70131 95731 30778 = = 361 361 53 53 (no nulls) Sent only 52 groups	CW	(AB)
<b>M14</b>	12211	22-11	0502	Mon	952 478 478 52 52 = = 10129 75674 27917 ... 74739 20940 82024 = = 478 478 52 52 00000 Restart during callup	CW	(AB-J)

M14	10243	22-11	0520	Mon	952 478 478 52 52 = = 10129 75674 27917 ... 74739 20940 82024 = = 478 478 52 52 00000	CW	(AB-J)
M14	12211	23-11	0500	Tue	952 631 631 52 52 = = 60470 37036 26204 ... 29634 20112 83072 = = 631 631 52 52 00000	CW	(AB-J)
M14	10243	23-11	0519	Tue	952 631 631 52 52 = = 60470 37036 26204 ... 29634 20112 83072 = = 631 631 52 52 00000	CW	(AB-J)
M14	12211	24-11	0500	Wed	952 848 848 51 51 = = 17822 09301 22868 ... 60734 89129 92478 = = 848 848 51 51 00000	CW	(AB-J)
M14	10243	24-11	0520	Wed	952 848 848 51 51 = = 17822 09301 22868 ... 60734 89129 92478 = = 848 848 51 51 00000	CW	(AB-J)
M14	12211	25-11	0500	Thu	952 701 701 50 50 = = 74327 68046 96529 ... 09001 90366 54425 = = 701 701 50 50 00000	CW	(AB-J)
M14	10243	25-11	0520	Thu	952 701 701 50 50 = = 74327 68046 96529 ... 09001 90366 54425 = = 701 701 50 50 00000	CW	(AB-J)
M14	17459	25-11	0930	Thu	617 617 617 00000	CW	(AB)
M14	12211	26-11	0500	Fri	952 363 363 51 51 = = 61875 94610 09987 ... 30687 93790 38135 = = 363 363 51 51 00000	CW	(AB)
M14	10243	26-11	0520	Fri	952 363 363 51 51 = = 61875 94610 09987 ... 30687 93790 38135 = = 363 363 51 51 00000	CW	(AB)
M14	12211	29-11	0500	Mon	952 474 474 51 51 = = 28810 73067 82177 ... 10183 20002 64477 = = 474 474 51 51 00000	CW	(AB-J)
M14	10243	29-11	0520	Mon	952 474 474 51 51 = = 28810 73067 82177 ... 10183 20002 64477 = = 474 474 51 51 00000	CW	(AB-J)
M14	12211	30-11	0500	Tue	952 161 161 58 58 = = 81528 45049 85480 ... 65803 00780 57087 = = 161 161 58 58 00000	CW	(AB-J)
M14	10243	30-11	0520	Tue	952 161 161 58 58 = = 81528 45049 85480 ... 65803 00780 57087 = = 161 161 58 58 00000	CW	(AB-J)
M21	5980.5	13-11	0856	Sat	=991156??8????? =991157??8????? =991158??8?????	CW	(F5JBR)
M21	4171	14-11	0638	Sun	=990939??8????? =990940??8????? =990941??8?????	CW	(F5JBR)
M21	5980.5	14-11	0638	Sun	=990939??8????? =990940??8????? =990941??8?????	CW	(F5JBR)
M21	3185	14-11	0745	Sun	=991045??8????? =991046??8????? =991047??8?????	CW	(F5JBR)
M21	5980.5	14-11	0745	Sun	=991045??8????? =991046??8????? =991047??8?????	CW	(F5JBR)
M23	5345	27-11	1600	Sat	050 (R10)	CW	(AB)
M23	5345	27-11	1800	Sat	943 (R12)	CW	(AB/CK)
M23	5345	28-11	1200	Sun	050 (R10)	CW	(AB)
M23	5345	28-11	1400	Sun	943 (R12)	CW	(AB)
M23	5345	28-11	1607	Sun	050 (R10)	CW	(AB/CK)
M23	5345	28-11	1800	Sun	943 (R12)	CW	(AB)
M32	5759	22-11	1126	Mon	XXX XXX XHOP XHOP 40993 WKUSOKORD 8196 1046 BODOSHURF 2120 8035 K	CW	(Gwr)
M32	6386	22-11	1126	Mon	XXX XXX XHOP XHOP 40993 WKUSOKORD 8196 1046 BODOSHURF 2120 8035 K	CW	(Gwr)
M32	5759	22-11	1147	Mon	XXX XXX XHOP XHOP 17324 NRAGNRASH [?] 9738 1955 GROBORORM 6839 5872 K	CW	(Gwr)
M32	4862	22-11	1210	Mon	XXX XXX SYJM[?] 40752 GROMOMOST 8287 1428 K	CW	(Gwr)
M32	5376	22-11	1210	Mon	XXX XXX SYJM[?] 40752 GROMOMOST 8287 1428 K	CW	(Gwr)
M32	4862	22-11	1214	Mon	XXX XXX XHOP XHOP 90091 WESOSH PON 0655 5565 K	CW	(Gwr)
M32	4649	22-11	1227	Mon	XXX XXX OM9Zh OM9Zh 51472 STYaGOPLAN 6630 9869 ZALOBERN 6631 8332 MRAKOB AJT 6965 6810 GERSOD 6990 3797 K	CW	(Gwr)
M32	5863	25-11	1145	Thu	XXX XXX 2JZO 2JZO 73727 73717 K XXX XXX 73727 QTR 1446 K OK QAP K OK K	CW	(Gwr)
M32a	8191	10-11	0730	Wed	REO REO REO DE RMP RMP QTC 649 23 10 1012 649 11111 95513 75275 ... 05581 16477 10022 AR	CW	(AB)
M32a	5066	17-11	1413	Wed	XXX XXX 596E 596E 99143 KNUTOKRUP 0218 9990 K. RJF71 DE RCV QYT4 QSX 4327 QWH 3824 AAA5 K	CW	(Gwr)
M32a	6323	28-11	0613	Sun	Russian Navy i.p. RGR99 RGR99 RGR99 DE RGR98 RGR98 ZSA ZSA K RGR98 DE RGR99 ZSA5 R K	CW	(AB)
M32c	4649	22-11	1140	Mon	REA4 REA4 = 22140 99900 21120 62596 81997 20902 11168 21192 80001 = REA4 K	CW	(Gwr)
M41	4806.5	14-11	0836	Sun	9659 1920 235 36 = 9659 1920 243 38 = 9659 192024 381555 11100 40 = 9659 1920 243 42 = 9659 1942 223 44 =	CW	(F5JBR)

M42	17477	2-11	0800	Tue	Russian diplo/intel.	MFSK-66	(AB)
M42	14396	2-11	0925	Tue	Russian diplo/intel.	MFSK-66	(AB)
M42	12151	2-11	0930	Tue	Russian diplo/intel.	MFSK-66	(AB)
M42	9088	4-11	0920	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	9088	4-11	1240	Thu	Russian intel.	MFSK-66	(AB)
M42	11155	5-11	0730	Fri	Russian intel.	MFSK	(AB)
M42	8135	5-11	1522	Fri	Russian diplo/intel.	MFSK-66	(AB)
M42	12110	8-11	0946	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	13380	8-11	0952	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	11452	8-11	0957	Mon	Russian diplo/intel.	MFSK-66	(AB)
M42	9088	10-11	1240	Wed	Russian diplo/intel.	MFSK	(AB)
M42	10525	11-11	1110	Thu	Russian diplo/intel.	5xMFSK-16+BPSK-250	(AB)
M42	4841	11-11	1717	Thu	Russian intel.	Mixed modes	(AB)
M42	9222	13-11	1300	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	9048	13-11	1310	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	8181	13-11	1320	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	8004	13-11	1330	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	7524	13-11	1340	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	6848	13-11	1350	Sat	Russian intel.	5xMFSK-16+BPSK-250	(AB)
M42	13383	14-11	0800	Sun	Russian intel.	5xMFSK-16	(AB)
M42	16297	14-11	0800	Sun	Russian intel.	5xMFSK-16	(AB-RUS)
M42	12213	14-11	0820	Sun	Russian intel.	5xMFSK-16	(AB)
M42	15871	14-11	0820	Sun	Russian intel.	5xMFSK-16	(AB)
M42	11221	14-11	0840	Sun	Russian intel.	5xMFSK-16	(AB)
M42	14803	14-11	0840	Sun	Russian intel.	5xMFSK-16	(AB)
M42	15825	15-11	0700	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	18492	15-11	0700	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	14703	15-11	0710	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	17472	15-11	0710	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	13371	15-11	0720	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	16072	15-11	0720	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	12120	15-11	0800	Mon	Russian intel.	MKSK-66	(AB)
M42	8041	15-11	1100	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	11088	15-11	1100	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	7467	15-11	1110	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	10525	15-11	1110	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	6769	15-11	1120	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	9092	15-11	1120	Mon	Russian intel.	8x62.5Bd QPSK	(AB)
M42	9222	15-11	1300	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)
M42	9048	15-11	1310	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)
M42	8181	15-11	1320	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)
M42	8004	15-11	1330	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)

M42	7524	15-11	1340	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)
M42	6848	15-11	1350	Mon	Russian intel.	2x62.5Bd QPSK/250Bd BPSK	(AB)
M42	9142	15-11	1400	Mon	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	8192	15-11	1410	Mon	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	7991	15-11	1420	Mon	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	13383	16-11	0800	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	16297	16-11	0800	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB-RUS)
M42	12213	16-11	0820	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	15871	16-11	0820	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	11221	16-11	0840	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	14803	16-11	0840	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	13513	16-11	0900	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	16169	16-11	0900	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12166	16-11	0910	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	15847	16-11	0910	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	11543	16-11	0920	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	14711	16-11	0920	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	10564	16-11	1000	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	13431	16-11	1000	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	9261	16-11	1010	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	12224	16-11	1010	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	8163	16-11	1020	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	11461	16-11	1020	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	7744	16-11	1200	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	9321	16-11	1200	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	6854	16-11	1210	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	9044	16-11	1210	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	5823	16-11	1220	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB-RUS)
M42	8192	16-11	1220	Tue	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	9222	16-11	1300	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	9048	16-11	1310	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	8181	16-11	1320	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB/RL-HOL)
M42	8004	16-11	1330	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB/RL-HOL)
M42	7524	16-11	1340	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB/RL-HOL)
M42	6848	16-11	1350	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB/RL-HOL)
M42	9142	16-11	1400	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	8192	16-11	1410	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	7991	16-11	1420	Tue	Russian intel.	8x62.5Bd QPSK	(AB)
M42	5058	16-11	1525	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	15825	17-11	0700	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	18492	17-11	0700	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	14703	17-11	0710	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)



<b>M42</b>	17472	17-11	0710	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	13371	17-11	0720	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	16072	17-11	0720	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	15825	18-11	0700	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	18492	18-11	0700	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	14703	18-11	0710	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	17472	18-11	0710	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	13371	18-11	0720	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	16072	18-11	0720	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	13383	18-11	0800	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	16297	18-11	0800	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	12213	18-11	0820	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	15871	18-11	0820	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	11221	18-11	0840	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	14803	18-11	0840	Thu	Russian intel.	8x62.5Bd QPSK	(AB)
<b>M42</b>	12164	19-11	0830	Fri	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
<b>M42</b>	14830	19-11	1012	Fri	Russian intel.	MFSK-66	(AB)
<b>M42</b>	14510	19-11	1030	Fri	Russian intel.	MFSK-66	(AB)
<b>M42</b>	5058	24-11	1745	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42</b>	17431	26-11	1135	Fri	Russian intel.	MFSK-66	(AB)
<b>M42</b>	14656	30-11	0942	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
<b>M42b</b>	6837	13-11	0851	Sat	ZE4K wkg P8RK: QSY 13809 QSA NO QSY 11175 SK	CW	(F5JBR)
<b>M51a</b>	3881	7-11	0800	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	6825	7-11	0800	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	3881	7-11	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	6825	7-11	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	3881	14-11	0800	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	6825	14-11	0800	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	3881	14-11	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	6825	14-11	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	3881	27-11	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51a</b>	6825	27-11	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ. Two messages. CQ DE FAV22 VA	CW	(AB)
<b>M51b</b>	6825	1-11	1152	Mon	mixed letters & punctuation	CW	(MPJ)
<b>M51b</b>	6825	8-11	1407	Mon	FAV22: fast FGs & LGs	CW	(MPJ)
<b>M51b</b>	3881	8-11	1527	Mon	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	6825	8-11	1527	Mon	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M89</b>	4717	1-11	1004	Mon	i.p. 6TD6 AD5N NT6U UU3N NUU4 NA77 63TD ... //7045	CW	(JPL)
<b>M89</b>	6378	1-11	1004	Mon	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
<b>M89</b>	7045	1-11	1004	Mon	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
<b>M89</b>	4860	1-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
<b>M89</b>	6840	1-11	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
<b>M89</b>	3565	1-11	1128	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)

M89	4718	1-11	1128	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4720	1-11	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	1-11	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4860	4-11	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	4-11	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4718	4-11	1125	Thu	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	4720	4-11	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	4-11	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	5884	4-11	1130	Thu	(i.p. VVV OT9 DE CHJ DE PTN 7G ? SK EE	CW	(JPL)
M89	4236	4-11	1209	Thu	i.p. RA73 DN7D 47N5 DN5U 3764 46U3 D63D AR K R K R SK R SK	CW	(JPL)
M89	3565	5-11	2253	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	5-11	2253	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4043	5-11	2304	Fri	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	4043	10-11	1851	Wed	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	3565	10-11	1853	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	10-11	1853	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	5437	10-11	1856	Wed	i.p. 7ATA 5AU7 DA3N AR K R R HR WK NR 22160 K R NIL SK GB GB	CW	(JPL)
M89	4860	10-11	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	10-11	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4119	10-11	1921	Wed	i.p. TTN6 7AT7 5UNU AU47 375A 54UN 55T6 76UD ...	CW	(JPL)
M89	4720	10-11	1930	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	10-11	1930	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4726	10-11	1933	Wed	V QPL(x3) DE 4WQ (x2) (R5) QSA ? K	CW	(JPL)
M89	7686	10-11	1945	Wed	i.p. AS R 7NT5 374D N7T3 ... AR QSL ? K R QSL 0350 K R HR WK NR 12. K R HR WK NR 520 K R NIL SK GB K R SK	CW	(JPL)
M89	7045	10-11	2333	Wed	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	4043	15-11	2011	Mon	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	6140	15-11	2011	Mon	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	4860	15-11	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	15-11	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6378	15-11	2337	Mon	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	7045	15-11	2337	Mon	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	4043	16-11	1247	Tue	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	3565	16-11	1248	Tue	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	16-11	1248	Tue	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	3566	16-11	1306	Tue	i.p. CK 61 65 1116 2100 RMKS 4130612 TO 4130610 K 01W GA BT 36D4 A5T3 UTA7 64AD ...	CW	(JPL)
M89	3658	16-11	1306	Tue	i.p. 547D 3UA6 N6UT NU35 N6U4 DA3T ...	CW	(JPL)
M89	4860	16-11	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	16-11	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	6378	17-11	0015	Wed	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	7045	17-11	0015	Wed	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	6140	17-11	0016	Wed	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)

M89	4860	17-11	0020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	17-11	0020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	3565	17-11	1208	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	17-11	1208	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4043	17-11	1210	Wed	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	4050	17-11	1210	Wed	i.p. D7UU UN56 75A5 TATN ...	CW	(JPL)
M89	4000	17-11	2000	Wed	i.p. U3DU 6N5D 7N5U 56N7 UT54 4DT5 ...	CW	(JPL)
M89	4241	24-11	1149	Wed	i.p. HR MSG GA K R 7G NR 6925 CK 101 86 1124 1920 RMKS 4314 TO 1613 K 5743 N4U5 TN64 7354 ...	CW	(JPL)
M89	3565	24-11	1207	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	24-11	1207	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4043	24-11	1218	Wed	V L5S3 (x3) DE Z4Y6 (x2) DN5T U6D4 74D4 T565 3UD7 T434 AUNA ...	CW	(JPL)
M89	5027	25-11	0112	Thu	i.p. NR 189/EX 0909 RMKS 3942 TO 2239 = W.4/XDT6 AR K R K R GA K (Other station on 5145 M89 CW (JPL) )	CW	(JPL)
M89	5145	25-11	0116	Thu	i.p. 1126 0910 RMKS 3349 TO 3942 K R 7G 1W = A364 3N7U AT3N U4U3 DTD4 A36T UA75 D5TU TUAT TTT3 ...	CW	(JPL)
M89	9131	25-11	0133	Thu	i.p. NA57 4TU4 TNU4 6345 36A4 6A35 6375 NDAU ...	CW	(JPL)
M89	6140	25-11	0141	Thu	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	3565	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) //4718, 6378, 7045	CW	(JPL)
M89	4718	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) (IP - Cont'd) (/ / 3565, 6378, 7045	CW	(JPL)
M89	6378	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	6378	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) //3565, 4718, 7045	CW	(JPL)
M89	7045	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	7045	25-11	0143	Thu	V BSA5 (x3) DE TP4C (x2) //3565, 4718, 6378	CW	(JPL)
M89	8164	25-11	0156	Thu	i.p. A367 4663 AT4. ...	CW	(JPL)
M89	7513	25-11	0201	Thu	i.p. R QSA 3 K R 7G GA K R HR 7G GA K OK R HR 7G K	CW	(JPL)
M89	6140	25-11	0914	Thu	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	5222	25-11	0919	Thu	i.p. NR 230 8W = = 34U3 TTT5 TU65 ... R R NR SK SK	CW	(JPL)
M89	5208	25-11	0920	Thu	i.p. = A.T3 37A4 6A5T 7DN5 ...	CW	(JPL)
M89	6840	25-11	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290	CW	(JPL)
M89	8290	25-11	0920	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) ///6840	CW	(JPL)
M89	3658	25-11	0928	Thu	i.p. N4UT 5T43 4TD7 46U3 TADU 6D37 367D UA3D ...	CW	(JPL)
M89	4560	25-11	0950	Thu	i.p. 3DT6 45DD 6DN7 4NT5 5U54 7 AR R QSL 1750 R QSL 1750 R SK S HR SK K R SK	CW	(JPL)
M89	4737	25-11	0954	Thu	VVV 7I8 DE 5WZ QSA ? VVV	CW	(JPL)
M89	5222	25-11	1000	Thu	i.p. OBSTOU K OBSTO K GA (Other station also on this frequency) R = = OBSTO GA R R	CW	(JPL)
M89	5566	25-11	1009	Thu	i.p. D657 3AUT 57AT UT4N 573D 5T4D 5N74 ...	CW	(JPL)
M89	6613	25-11	1013	Thu	i.p. R .083 AR K R K VVV 4.D DE N5.. K VV FD DE N5.VV G8P. DE N5U4 K	CW	(JPL)
M89	6840	25-11	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290	CW	(JPL)
M89	8290	25-11	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6988	25-11	1022	Thu	i.p. 6U3D 4N7A 7A4D 3U6N 4D5T 7N5U 3T6A 4ND5 ...	CW	(JPL)
M89	7176	25-11	1023	Thu	i.p. VVV UJLI (x3) BT YR NR 26914 7G QSL TIME 1810 K	CW	(JPL)
M95	5479	1-11	0939	Mon	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)



M95	10722	1-11	0939	Mon	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	1-11	1136	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0954 CK 159 35 1101 1528 = //8073	CW	(JPL)
M95	4364	1-11	1136	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0954 CK 159 35 1101 1528 = //4364	CW	(JPL)
M95	4243	1-11	1153	Mon	VVV HR MSG TO YR PSE CY NR 066 CK 33 35 1101 1518 = //9054	CW	(JPL)
M95	9054	1-11	1153	Mon	VVV HR MSG TO YR PSE CY NR 066 CK 33 35 1101 1518 = //4243	CW	(JPL)
M95	4364	4-11	1135	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0960 CK 151 35 1104 1610 = //8073	CW	(JPL)
M95	8073	4-11	1135	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0960 CK 151 35 1104 1610 = //4364	CW	(JPL)
M95	4243	4-11	1153	Thu	V HR 7G TO YR PSE CY NR 07U CK 46 35 1104 1510 = //9054	CW	(JPL)
M95	9054	4-11	1153	Thu	V HR 7G TO YR PSE CY NR 07U CK 46 35 1104 1510 = //4243	CW	(JPL)
M95	4243	10-11	1146	Wed	V HR 7G TO YR PSE CY NR 004 CK 19 35 1111 0614 = //9054	CW	(JPL)
M95	9054	10-11	1146	Wed	V HR 7G TO YR PSE CY NR 004 CK 19 35 1111 0614 = //4243	CW	(JPL)
M95	6936	10-11	1339	Wed	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	10-11	1846	Wed	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	3968	15-11	1958	Mon	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	15-11	1958	Mon	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4243	15-11	2345	Mon	V HR 7G TO YR PSE CY NR 019 CK 19 35 1116 0600 = //9054	CW	(JPL)
M95	9054	15-11	2345	Mon	V HR 7G TO YR PSE CY NR 019 CK 19 35 1116 0600 = //4243	CW	(JPL)
M95	7553	16-11	1325	Tue	XSV70 i.p. AGN NR 1022 CK 170 35 1116 1500 334 UT3 TA6 3U6 TT4 773 3AD 353 U46 35A 4AA ... ZNN SK //9153	CW	(JPL)
M95	9153	16-11	1325	Tue	XSV70 i.p. AGN NR 1022 CK 170 35 1116 1500 334 UT3 TA6 3U6 TT4 773 3AD 353 U46 35A 4AA ... ZNN SK //7553	CW	(JPL)
M95	3968	16-11	1339	Tue	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	16-11	1339	Tue	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4364	17-11	0006	Wed	XSV85 i.p. HR MSGS GA PSE CY NR 1010 CK 97 35 1117 0555 = TA7 3U4 3A4 TAU 773 TUA 773 ... //8073	CW	(JPL)
M95	8073	17-11	0006	Wed	XSV85 i.p. HR MSGS GA PSE CY NR 1010 CK 97 35 1117 0555 = TA7 3U4 3A4 TAU 773 TUA 773 ... //4364	CW	(JPL)
M95	4364	17-11	1136	Wed	XSV85: messages //8073	CW	(JPL)
M95	8073	17-11	1136	Wed	XSV85: messages //4364	CW	(JPL)
M95	4364	17-11	1139	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1012 CK 250 35 1117 1606 = TA7 3U6 3AN 3U7 ... //8073	CW	(JPL)
M95	8073	17-11	1139	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1012 CK 250 35 1117 1606 = TA7 3U6 3AN 3U7 ... //4364	CW	(JPL)
M95	4243	17-11	1144	Wed	i.p. V HR 7G TO YR PSE CY NR 024 CK 20 35 1117 1516 = UT5 TA7 3U6 3A4 ...	CW	(JPL)
M95	8073	24-11	1144	Wed	XSV85 i.p. CK 426 35 1124 1607 = TU4 3U6 3AN 3U7 TAU 773 ...	CW	(JPL)
M95	4243	24-11	1153	Wed	HR 7G TO YR PSE CY NR 013 CK 57 35 1124 1553 = 5AA UTT TU4 3U6 3A4 5T7 5TD 75U 35A U4T ...	CW	(JPL)
M95	4050	24-11	1210	Wed	i.p. 05 05 4754 44474 655 SOSOSOSOSOSOSO CQ CQ OBSTOUK = = 4T7T4 TUATU.6OAT3 AATTU AN6..	CW	(JPL)
M95	3968	25-11	0108	Thu	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	25-11	0108	Thu	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)

<b>M95</b>	8801	25-11	0151	Thu	i.p. NR 001/CCK CK 49 18 1125 0935 RMKS 9KQ94 VAOA CY? NR001/CCK CK 49 18 1125 0935 RMKS 9KQ9V AKA	CW	(JPL)
<b>M95</b>	5479	25-11	0907	Thu	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
<b>M95</b>	10722	25-11	0907	Thu	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
<b>M95</b>	4283	25-11	0937	Thu	i.p. 1125 0714 334 UT3 TU5 3U4 3A4 TT4 773 35A U46 353 ... II 3D3 MSG AGN	CW	(JPL)
<b>MX</b>	8821	8-11	0630	Mon	Russian military VVV VVV VVV VVV	CW	(AB)
<b>MX</b>	8821	8-11	0700	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	0730	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	0800	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	0830	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	0900	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	0930	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1000	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1030	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1100	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1130	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1200	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1230	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1300	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1330	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1400	Mon	Russian military marker S (R5)	CW	(AB)
<b>MX</b>	8821	8-11	1430	Mon	Russian military marker S (R6) Last transmission	CW	(AB)
<b>MX</b>	3227	10-11	1830	Wed	Beacon V	CW	(AB)
<b>MX</b>	3657	10-11	1830	Wed	Beacon V	CW	(AB)
<b>MX</b>	7611	11-11	0842	Thu	Beacon V	CW	(AB)
<b>MX</b>	8494.8	17-11	1439	Wed	Beacon P, Kaliningrad	CW	(AB)
<b>MX</b>	8497.8	17-11	1439	Wed	Beacon L, St Petersburg	CW	(AB)
<b>P03e</b>	5194	14-11	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
<b>P03e</b>	5194	14-11	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
<b>P03e</b>	5194	16-11	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
<b>P03e</b>	5194	16-11	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
<b>P03e</b>	10800	19-11	1515	Fri	Polish intel.	QPSK 100Bd/489bp	(PY)
<b>P03e</b>	10800	19-11	1520	Fri	Polish intel.	QPSK 100Bd/489bp	(PY)
<b>P03e</b>	10800	21-11	1515	Sun	Polish intel.	QPSK 100Bd/489bp	(PY)
<b>P03e</b>	10800	21-11	1520	Sun	Polish intel.	QPSK 100Bd/489bp	(PY)
<b>P03e</b>	5194	21-11	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	5194	21-11	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	5194	23-11	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	5194	23-11	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
<b>P03e</b>	10800	26-11	1515	Fri	Polish intel.	QPSK 100Bd/489bp	(AB/MPJ)
<b>P03e</b>	10800	26-11	1520	Fri	Polish intel.	QPSK 100Bd/489bp	(AB/MPJ)
<b>P03e</b>	10800	28-11	1515	Sun	Polish intel.	QPSK 100Bd/489bp	(AB/MPJ)

P03e	10800	28-11	1520	Sun	Polish intel.	QPSK 100Bd/489bp	(AB/MPJ)
P03e	5194	28-11	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	28-11	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	30-11	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	5194	30-11	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03g	13046	3-11	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	3-11	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	5-11	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(MPJ)
P03g	13046	5-11	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(MPJ)
P03g	13046	10-11	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	10-11	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	12-11	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	12-11	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	17-11	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	17-11	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	19-11	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	19-11	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	24-11	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	24-11	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	26-11	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	26-11	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03h	9079	1-11	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	1-11	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	3-11	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	3-11	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	8-11	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	8-11	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	10-11	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	10-11	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	15-11	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	15-11	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	17-11	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	17-11	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	22-11	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	22-11	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	24-11	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	24-11	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB-POL)
P03h	9079	29-11	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	29-11	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	14656	2-11	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	2-11	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	2-11	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)

P03i	6480	2-11	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	4-11	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	4-11	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	4-11	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	4-11	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	9-11	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	9-11	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	9-11	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	9-11	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	11-11	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	11-11	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	11-11	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	11-11	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	16-11	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	16-11	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	16-11	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	16-11	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	18-11	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	18-11	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	18-11	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	18-11	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	23-11	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	23-11	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	23-11	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	23-11	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9079	24-11	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	24-11	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	25-11	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	25-11	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	25-11	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	25-11	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	14656	30-11	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	30-11	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	30-11	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	30-11	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03j	6906	1-11	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	1-11	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	4-11	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	4-11	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	8-11	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	8-11	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	11-11	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	6906	11-11	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	15-11	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	15-11	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	18-11	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	18-11	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	22-11	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	22-11	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	25-11	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	25-11	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	29-11	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	29-11	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	5844	13-11	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	13-11	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	13-11	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	9063	13-11	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	13-11	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	13-11	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	5844	14-11	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	14-11	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	17-11	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(T101)
P03k	9063	17-11	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(T101)
P03k	4356	17-11	1800	Wed	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	17-11	1805	Wed	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	18-11	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	18-11	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	8102	19-11	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	19-11	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	20-11	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	20-11	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	20-11	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	20-11	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	9063	20-11	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	9063	20-11	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	20-11	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/PY)
P03k	4356	20-11	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/PY)
P03k	10210	21-11	0530	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	10210	21-11	0535	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	5844	21-11	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	21-11	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	21-11	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	21-11	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	21-11	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)

P03k	4356	21-11	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	21-11	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	21-11	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	4356	21-11	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	21-11	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	9063	24-11	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	24-11	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	24-11	1800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	24-11	1805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-11	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-11	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	26-11	0530	Fri	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	10210	26-11	0535	Fri	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	8102	26-11	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	26-11	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	27-11	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	27-11	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	27-11	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	27-11	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	27-11	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	27-11	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	27-11	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	27-11	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10210	28-11	0530	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	10210	28-11	0535	Sun	Polish intel.	BPSK 100Bd/480bp	(PY)
P03k	5844	28-11	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	28-11	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	28-11	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	8102	28-11	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	28-11	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	28-11	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	28-11	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	28-11	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03I	9052	2-11	0725	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	2-11	0730	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	3-11	0800	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	3-11	0805	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	3-11	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	3-11	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	4-11	0725	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	4-11	0730	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	5-11	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)



P03I	9079	5-11	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9052	9-11	0725	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	9-11	0730	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	10-11	0800	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	10-11	0805	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	10-11	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	10-11	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9052	11-11	0725	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	11-11	0730	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	12-11	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	12-11	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9052	16-11	0725	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	16-11	0730	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	17-11	0800	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	17-11	0805	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	17-11	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	17-11	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9052	18-11	0725	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	18-11	0730	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	19-11	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	19-11	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	20-11	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	5779	20-11	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	5779	21-11	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	5779	21-11	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	4356	22-11	1200	Mon	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	4356	22-11	1205	Mon	Polish intel.	QPSK 100Bd/464bp	(PY)
P03I	9052	23-11	0725	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	23-11	0730	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	24-11	0800	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	14656	24-11	0805	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	24-11	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	24-11	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	25-11	0725	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9052	25-11	0730	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	26-11	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	26-11	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	27-11	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	27-11	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	28-11	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	28-11	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9052	30-11	0725	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

<b>P03I</b>	9052	30-11	0730	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
<b>Q26</b>	4364	1-11	1131	Mon	XSV85: messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	1-11	1131	Mon	XSV85: messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	1-11	1143	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	1-11	1143	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4364	4-11	1132	Thu	XSV85: Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	8073	4-11	1132	Thu	XSV85: Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	4-11	1145	Thu	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	4-11	1145	Thu	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	10-11	1142	Wed	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	10-11	1142	Wed	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	15-11	2342	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	9054	15-11	2342	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
<b>Q26</b>	4243	24-11	1148	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
<b>RADv</b>	5050	5-11	1416	Fri	Russian Air Defense. Reading bearings and test counts	USB	(AB)
<b>RMv</b>	5045	8-11	1411	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 7257. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	9-11	1414	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4418. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	10-11	1410	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2645. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	11-11	1410	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1523. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	12-11	1411	Fri	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3454. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	15-11	1413	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3839. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	16-11	1412	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	17-11	1417	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3159. 16 chasov 14 minut konec svyazi	USB	(AB-POL/Gwr)
<b>RMv</b>	5045	18-11	1413	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	23-11	1412	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9673. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>RMv</b>	5045	24-11	1411	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8752. 16 chasov 14 minut konec svyazi	USB	(AB-POL/Gwr)
<b>RMv</b>	5045	25-11	1413	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 6593. 16 chasov 14 minut konec svyazi	USB	(AB-POL/Gwr)
<b>RMv</b>	5045	26-11	1412	Fri	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1729. 16 chasov 14 minut konec svyazi	USB	(AB-POL/Gwr)
<b>RMv</b>	5045	29-11	1412	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4124. 16 chasov 15 minut konec svyazi	USB	(AB-POL)



<b>RMv</b>	5045	30-11	1412	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
<b>S06</b>	7553	5-11	2000	Fri	768 768 768 00000	USB	(AB/HFD)
<b>S06</b>	5329	5-11	2100	Fri	768 768 768 00000	USB	(AB/HFD)
<b>S06</b>	19875	11-11	0830	Thu	842 913 42 89523 35541 54595 ... 74431 63898 11540 913 42 00000	USB	(Anon/PY/HFD-CHN)
<b>S06</b>	19875	11-11	0830	Thu	842-913/42=89523 via KiwiSDR CHN	USB	(HFD-CHN)
<b>S06</b>	16067	11-11	0930	Thu	842 913 42 89523 35541 54595 ... 74431 63898 11540 913 42 00000	USB	(Anon/PY/HFD-CHN)
<b>S06</b>	11616	12-11	0400	Fri	Silence after callup then restart. 480 079 287 34451 29862 90536 ... 77094 85306 13901 off	USB	(PY)
<b>S06</b>	9322	12-11	0420	Fri	Feedback during the transmission. 42349 62816 94164 480 (R) Several restarts. Off at 0428 UTC	USB	(PY)
<b>S06</b>	19875	12-11	0830	Fri	842 913 42 89523 35541 54595 ... 74431 63898 11540 913 42 00000	USB	(PY)
<b>S06</b>	16067	12-11	0930	Fri	842 913 42 89523 35541 54595 ... 74431 63898 11540 913 42 00000	USB	(PY)
<b>S06</b>	9322	18-11	0420	Thu	480 ...	USB	(HFD-J)
<b>S06</b>	19875	18-11	0830	Thu	842 576 43 20565 33444 16084 ... 85113 87006 13565 576 43 00000	USB	(PY)
<b>S06</b>	16067	18-11	0930	Thu	842 576 43 20565 33444 16084 ... 85113 87006 13565 576 43 00000	USB	(PY)
<b>S06</b>	16067	19-11	0930	Fri	842 576 43 20565 33444 16084 ... 85113 87006 13565 576 43 00000	USB	(PY)
<b>S06</b>	7553	19-11	2000	Fri	768 259 40 27286 04156 70242 ... 29953 47120 38734 259 40 00000	USB	(AB)
<b>S06</b>	5329	19-11	2100	Fri	768 259 40 27286 04156 70242 ... 29953 47120 38734 259 40 00000	USB	(AB)
<b>S06</b>	7553	20-11	2000	Sat	768 259 40 27286 04156 70242 ... 29953 47120 38734 259 40 00000	USB	(AB)
<b>S06</b>	5329	20-11	2100	Sat	768 259 40 27286 04156 70242 ... 29953 47120 38734 259 40 00000	USB	(AB)
<b>S06</b>	19875	25-11	0830	Thu	842 930 44 56204 64085 19841 ... 11292 02787 87030 930 44 00000	USB	(PY)
<b>S06</b>	16067	25-11	0930	Thu	842 930 44 56204 64085 19841 ... 11292 02787 87030 930 44 00000	USB	(PY)
<b>S06</b>	19875	26-11	0830	Fri	842 930 44 56204 64085 19841 ... 11292 02787 87030 930 44 00000	USB	(PY)
<b>S06</b>	16067	26-11	0930	Fri	842 930 44 56204 64085 19841 ... 11292 02787 87030 930 44 00000	USB	(PY)
<b>S06c</b>	13468	17-11	1100	Wed	11115	USB	(T101)
<b>S06e</b>	11073	30-11	0600	Tue	352 819 40 56552 71932 41908 ... 75464 06333 37839 819 40 352 476 19 12597 92102 42301 ... 06697 70312 04323 476 19 00000	USB	(ES-HOL)
<b>S06s</b>	13470	1-11	0630	Mon	462 510 7 17976 21816 42997 94187 74374 74154 08531 510 7 00000	USB	(AB)
<b>S06s</b>	16515	1-11	0640	Mon	462 510 7 17976 21816 42997 94187 74374 74154 08531 510 7 00000	USB	(AB)
<b>S06s</b>	8057	1-11	0830	Mon	764 823 5 53516 25616 56069 48834 50128 823 5 00000	USB	(AB/HFD)
<b>S06s</b>	8530	1-11	0840	Mon	764 823 5 53516 25616 56069 48834 50128 823 5 00000	USB	(AB/HFD)
<b>S06s</b>	14675	1-11	0900	Mon	232 418 5 41736 23990 56281 63156 05365 418 5 00000	USB	(AB/HFD)
<b>S06s</b>	12830	1-11	0910	Mon	232 418 5 41736 23990 56281 63156 05365 418 5 00000	USB	(AB/HFD)
<b>S06s</b>	8490	1-11	1300	Mon	149 235 6 86862 29534 17228 88147 40429 11230 235 6 00000	USB	(AB/HFD)
<b>S06s</b>	10635	1-11	1310	Mon	149 235 6 86862 29534 17228 88147 40429 11230 235 6 00000	USB	(AB/HFD)
<b>S06s</b>	16145	2-11	0600	Tue	438 219 5 96191 80933 58135 11133 80873 219 5 00000	USB	(AB-KWT)
<b>S06s</b>	14240	2-11	0610	Tue	438 219 5 96191 80933 58135 11133 80873 219 5 00000	USB	(AB-GRC)
<b>S06s</b>	5250	2-11	0700	Tue	452 863 7 79419 81542 91791 93413 69552 94321 00229 863 7 0000	USB	(AB-POL/HFD)
<b>S06s</b>	6320	2-11	0710	Tue	452 863 7 79419 81542 91791 93413 69552 94321 00229 863 7 0000	USB	(AB-POL/HFD)
<b>S06s</b>	7410	2-11	0730	Tue	427 891 5 88620 48069 61732 74537 44330 891 5 00000	USB	(AB/HFD)
<b>S06s</b>	11532	2-11	0740	Tue	427 891 5 88620 48069 61732 74537 44330 891 5 00000	USB	(AB/HFD)
<b>S06s</b>	11945	2-11	0800	Tue	127 436 5 29534 16228 15626 47891 22247 436 5 00000	USB	(AB/HFD)

S06s	13195	2-11	0810	Tue	127 436 5 29534 16228 15626 47891 22247 436 5 00000	USB	(AB/HFD)
S06s	6440	2-11	1000	Tue	427 831 5 40614 77249 40678 17977 21716 831 5 00000	USB	(AB/HFD)
S06s	5660	2-11	1010	Tue	427 831 5 40614 77249 40678 17977 21716 831 5 00000	USB	(AB/HFD)
S06s	5035	2-11	1100	Tue	265 439 7 22272 54385 83707 06123 33534 88280 74226 439 7 00000	USB	(AB-POL/HFD)
S06s	5975	2-11	1110	Tue	265 439 7 22272 54385 83707 06123 33534 88280 74226 439 7 00000	USB	(AB-POL/HFD)
S06S	7062	3-11	0830	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(HFD)
S06S	10532	3-11	0840	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(HFD)
S06s	12365	3-11	1000	Wed	276 918 5 40614 57856 98835 46186 16945 918 5 00000	USB	(AB/HFD)
S06s	14280	3-11	1010	Wed	276 918 5 40614 57856 98835 46186 16945 918 5 00000	USB	(AB/HFD)
S06s	11535	4-11	0830	Thu	172 860 5 16070 58834 53735 78386 91497 860 5 00000	USB	(AB/HFD)
S06s	11830	4-11	0840	Thu	172 860 5 16070 58834 53735 78386 91497 860 5 00000	USB	(AB/HFD)
S06s	8812	4-11	0930	Thu	678 270 5 80744 86200 84706 42227 61736 270 5 00000	USB	(AB/HFD)
S06s	9540	4-11	0940	Thu	678 270 5 80744 86200 84706 42227 61736 270 5 00000	USB	(AB/HFD)
S06s	12155	4-11	1200	Thu	175 940 6 97067 58604 55581 20044 79628 11171 940 6 00000	USB	(AB/HFD)
S06s	10920	4-11	1210	Thu	175 940 6 97067 58604 55581 20044 79628 11171 940 6 00000	USB	(AB/HFD)
S06s	11040	5-11	0830	Fri	156 930 7 21767 53672 11834 81022 36903 41412 55678 930 7 00000	USB	(AB)
S06s	12153	5-11	0840	Fri	156 930 7 21767 53672 11834 81022 36903 41412 55678 930 7 00000	USB	(AB)
S06s	5765	5-11	0900	Fri	239 814 5 40614 77249 40678 17976 21816 814 5 00000	USB	(AB)
S06s	6315	5-11	0910	Fri	239 814 5 40614 77249 40678 17976 21816 814 5 00000	USB	(AB)
S06s	8680	6-11	0800	Sat	132 470 5 46062 68672 97478 39685 30485 470 5 00000	USB	(AB/HFD)
S06s	8260	6-11	0810	Sat	132 470 5 46062 68672 97478 39685 30485 470 5 00000	USB	(AB/HFD)
S06s	13470	8-11	0630	Mon	462 510 7 17976 21816 42997 94187 74374 74154 08531 510 7 00000	USB	(AB)
S06s	16515	8-11	0640	Mon	462 510 7 17976 21816 42997 94187 74374 74154 08531 510 7 00000	USB	(AB)
S06s	8057	8-11	0830	Mon	764 823 5 53516 25616 56069 48834 50128 823 5 00000	USB	(AB)
S06s	8530	8-11	0840	Mon	764 823 5 53516 25616 56069 48834 50128 823 5 00000	USB	(AB)
S06s	14675	8-11	0900	Mon	232 418 5 41736 23990 56281 63156 05365 418 5 00000	USB	(AB-FIN)
S06s	12830	8-11	0910	Mon	232 418 5 41736 23990 56281 63156 05365 418 5 00000	USB	(AB)
S06s	8490	8-11	1300	Mon	149 235 6 86862 29534 17228 88147 40429 11230 235 6 00000	USB	(AB/MPJ)
S06s	10635	8-11	1310	Mon	149 235 6 86862 29534 17228 88147 40429 11230 235 6 00000	USB	(AB/MPJ)
S06s	16145	9-11	0600	Tue	438 219 5 96191 80933 58135 11133 80873 219 5 00000	USB	(AB-GRC)
S06s	14240	9-11	0610	Tue	438 219 5 96191 80933 58135 11133 80873 219 5 00000	USB	(AB-GRC)
S06s	5250	9-11	0700	Tue	452 863 7 79419 81542 91791 93413 69552 94321 00229 863 7 0000	USB	(AB-POL)
S06s	6320	9-11	0710	Tue	452 863 7 79419 81542 91791 93413 69552 94321 00229 863 7 0000	USB	(AB-POL)
S06s	7410	9-11	0730	Tue	427 891 5 88620 48069 61732 74537 44330 891 5 00000	USB	(AB)
S06s	11532	9-11	0740	Tue	427 891 5 88620 48069 61732 74537 44330 891 5 00000	USB	(AB)
S06s	11945	9-11	0800	Tue	127 436 5 29534 16228 15626 47891 22247 436 5 00000	USB	(AB)
S06s	13195	9-11	0810	Tue	127 436 5 29534 16228 15626 47891 22247 436 5 00000	USB	(AB)
S06s	6440	9-11	1000	Tue	427 831 5 40614 77249 40678 17977 21716 831 5 00000	USB	(AB)
S06s	5660	9-11	1010	Tue	427 831 5 40614 77249 40678 17977 21716 831 5 00000	USB	(AB)
S06s	5035	9-11	1100	Tue	265 439 7 22272 54385 83707 06123 33534 88280 74226 439 7 00000	USB	(AB-POL)
S06s	5975	9-11	1110	Tue	265 439 7 22272 54385 83707 06123 33534 88280 74226 439 7 00000	USB	(AB-POL)
S06s	12365	10-11	1000	Wed	276 918 5 40614 57856 98835 46186 16945 918 5 00000	USB	(AB)

S06s	14280	10-11	1010	Wed	276 918 5 40614 57856 98835 46186 16945 918 5 00000	USB	(AB)
S06s	11535	11-11	0830	Thu	172 860 5 16070 58834 53735 78386 91497 860 5 00000	USB	(AB)
S06s	11830	11-11	0840	Thu	172 860 5 16070 58834 53735 78386 91497 860 5 00000	USB	(AB)
S06s	8812	11-11	0930	Thu	678 270 5 80744 86200 84706 42227 61736 270 5 00000	USB	(AB)
S06s	9540	11-11	0940	Thu	678 270 5 80744 86200 84706 42227 61736 270 5 00000	USB	(AB/Anon)
S06s	12155	11-11	1200	Thu	175 940 6 97067 58604 55581 20044 79628 11171 940 6 00000	USB	(AB)
S06s	10920	11-11	1210	Thu	175 940 6 97067 58604 55581 20044 79628 11171 940 6 00000	USB	(AB)
S06s	11040	12-11	0830	Fri	156 930 7 21767 53672 11834 81022 36903 41412 55678 930 7 00000	USB	(AB)
S06s	12153	12-11	0840	Fri	156 930 7 21767 53672 11834 81022 36903 41412 55678 930 7 00000	USB	(AB)
S06s	5765	12-11	0900	Fri	239 814 5 40614 77249 40678 17976 21816 814 5 00000	USB	(AB)
S06s	6315	12-11	0910	Fri	239 814 5 40614 77249 40678 17976 21816 814 5 00000	USB	(AB)
S06s	13470	15-11	0630	Mon	462 593 7 46186 16945 80744 86200 84706 42227 61736 593 7 00000	USB	(AB-GRC)
S06s	16515	15-11	0640	Mon	462 593 7 46186 16945 80744 86200 84706 42227 61736 593 7 00000	USB	(AB-RUS)
S06s	8057	15-11	0830	Mon	764 938 5 22262 54385 72704 06321 33354 938 5 00000	USB	(AB)
S06s	8530	15-11	0840	Mon	764 938 5 22262 54385 72704 06321 33354 938 5 00000	USB	(AB)
S06s	14675	15-11	0900	Mon	232 490 5 30614 77249 40678 17966 22917 490 5 00000	USB	(AB)
S06s	12830	15-11	0910	Mon	232 490 5 30614 77249 40678 17966 22917 490 5 00000	USB	(AB)
S06s	8490	15-11	1300	Mon	149 865 7 21767 53672 22834 82022 36993 42412 55786 865 7 00000	USB	(AB)
S06s	10635	15-11	1310	Mon	149 865 7 21767 53672 22834 82022 36993 42412 55786 865 7 00000	USB	(AB)
S06s	16145	16-11	0600	Tue	438 276 5 52401 62929 93699 34500 64248 276 5 00000	USB	(AB-KWT/HFD-UKR)
S06s	14240	16-11	0610	Tue	438 276 5 52401 62929 93699 34500 64248 276 5 00000	USB	(AB-KWT/HFD)
S06s	5250	16-11	0700	Tue	452 936 7 25534 24690 85580 50286 02008 71341 65152 936 7 00000	USB	(AB)
S06s	6320	16-11	0710	Tue	452 936 7 25534 24690 85580 50286 02008 71341 65152 936 7 00000	USB	(AB)
S06s	7410	16-11	0730	Tue	427 863 5 46062 68672 97478 39685 30485 863 5 00000	USB	(AB)
S06s	11532	16-11	0740	Tue	427 863 5 46062 68672 97478 39685 30485 863 5 00000	USB	(AB)
S06s	11945	16-11	0800	Tue	127 930 5 21767 53672 11834 81022 36903 930 5 00000	USB	(AB)
S06s	13195	16-11	0810	Tue	127 930 5 21767 53672 11834 81022 36903 930 5 00000	USB	(AB)
S06s	6440	16-11	1000	Tue	427 538 6 88620 58069 61732 74537 57440 10597 538 6 00000	USB	(AB)
S06s	5660	16-11	1010	Tue	427 538 6 88620 58069 61732 74537 57440 10597 538 6 00000	USB	(AB)
S06s	5035	16-11	1100	Tue	265 914 7 39534 17338 15636 47891 23247 54770 10597 914 7 00000	USB	(AB-POL)
S06s	5975	16-11	1110	Tue	265 914 7 39534 17338 15636 47891 23247 54770 10597 914 7 00000	USB	(AB-POL)
S06s	7062	17-11	0830	Wed	464 870 5 52536 55678 69528 94083 70552 870 5 00000	USB	(AB)
S06s	10532	17-11	0840	Wed	464 870 5 52536 55678 69528 94083 70552 870 5 00000	USB	(AB)
S06s	12365	17-11	1000	Wed	276 910 5 64687 68321 23809 52985 14199 910 5 00000	USB	(AB)
S06s	14280	17-11	1010	Wed	276 910 5 64687 68321 23809 52985 14199 910 5 00000	USB	(AB)
S06s	11535	18-11	0830	Thu	172 903 5 88280 84116 53718 79827 34694 903 5 00000	USB	(AB)
S06s	11830	18-11	0840	Thu	172 903 5 88280 84116 53718 79827 34694 903 5 00000	USB	(AB)
S06s	8812	18-11	0930	Thu	678 213 5 88620 58069 61732 74537 57440 213 5 00000	USB	(AB)
S06s	9540	18-11	0940	Thu	678 213 5 88620 58069 61732 74537 57440 213 5 00000	USB	(AB)
S06s	12155	18-11	1200	Thu	175 239 6 88146 98835 46186 16945 80744 82707 239 6 00000	USB	(AB)
S06s	10920	18-11	1210	Thu	175 239 6 88146 98835 46186 16945 80744 82707 239 6 00000	USB	(AB)
S06s	11040	19-11	0830	Fri	156 480 7 17301 88554 82045 36707 24042 75956 31680 480 7 00000	USB	(AB/HFD)

S06s	12153	19-11	0840	Fri	156 480 7 17301 88554 82045 36707 24042 75956 31680 480 7 00000	USB	(AB/HFD)
S06s	5765	19-11	0900	Fri	239 805 6 45279 43828 55581 20044 52985 40614 805 6 00000	USB	(AB/HFD)
S06s	6315	19-11	0910	Fri	239 805 6 45279 43828 55581 20044 52985 40614 805 6 00000	USB	(AB/HFD)
S06s	13470	22-11	0630	Mon	462 593 7 46186 16945 80744 86200 84706 42227 61736 593 7 00000	USB	(AB)
S06s	16515	22-11	0640	Mon	462 593 7 46186 16945 80744 86200 84706 42227 61736 593 7 00000	USB	(AB-POL)
S06s	8057	22-11	0830	Mon	764 938 5 22262 54385 72704 06321 33354 938 5 00000	USB	(AB)
S06s	8530	22-11	0840	Mon	764 938 5 22262 54385 72704 06321 33354 938 5 00000	USB	(AB)
S06s	14675	22-11	0900	Mon	232 490 5 30614 77249 40678 17966 22917 490 5 00000	USB	(AB-CYP)
S06s	12830	22-11	0910	Mon	232 490 5 30614 77249 40678 17966 22917 490 5 00000	USB	(AB)
S06s	8490	22-11	1300	Mon	149 865 7 21767 53672 22834 82022 36993 42412 55786 865 7 00000	USB	(AB)
S06s	10635	22-11	1310	Mon	149 865 7 21767 53672 22834 82022 36993 42412 55786 865 7 00000	USB	(AB)
S06s	16145	23-11	0600	Tue	438 276 5 52401 62929 93699 34500 64248 276 5 00000	USB	(AB-KWT)
S06s	14240	23-11	0610	Tue	438 276 5 52401 62929 93699 34500 64248 276 5 00000	USB	(AB-KWT)
S06s	5250	23-11	0700	Tue	452 936 7 25534 24690 85580 50286 02008 71341 65152 936 7 00000	USB	(AB-POL)
S06s	6320	23-11	0710	Tue	452 936 7 25534 24690 85580 50286 02008 71341 65152 936 7 00000	USB	(AB)
S06s	7410	23-11	0730	Tue	427 863 5 46062 68672 97478 39685 30485 863 5 00000	USB	(AB)
S06s	11532	23-11	0740	Tue	427 863 5 46062 68672 97478 39685 30485 863 5 00000	USB	(AB)
S06s	11945	23-11	0800	Tue	127 930 5 21767 53672 11834 81022 36903 930 5 00000	USB	(AB)
S06s	13195	23-11	0810	Tue	127 930 5 21767 53672 11834 81022 36903 930 5 00000	USB	(AB)
S06s	6440	23-11	1000	Tue	427 538 6 88620 58069 61732 74537 57440 10597 538 6 00000	USB	(AB)
S06s	5660	23-11	1010	Tue	427 538 6 88620 58069 61732 74537 57440 10597 538 6 00000	USB	(AB)
S06s	5035	23-11	1100	Tue	265 914 7 39534 17338 15636 47891 23247 54770 10597 914 7 00000	USB	(AB-POL)
S06s	5975	23-11	1110	Tue	265 914 7 39534 17338 15636 47891 23247 54770 10597 914 7 00000	USB	(AB-POL)
S06s	7062	24-11	0830	Wed	464 870 5 52536 55678 69528 94083 70552 870 5 00000	USB	(AB)
S06s	10532	24-11	0840	Wed	464 870 5 52536 55678 69528 94083 70552 870 5 00000	USB	(AB)
S06s	12365	24-11	1000	Wed	276 910 5 64687 68321 23809 52985 14199 910 5 00000	USB	(AB)
S06s	14280	24-11	1010	Wed	276 910 5 64687 68321 23809 52985 14199 910 5 00000	USB	(AB)
S06s	11535	25-11	0830	Thu	172 903 5 88280 84116 53718 79827 34694 903 5 00000	USB	(AB)
S06s	11830	25-11	0840	Thu	172 903 5 88280 84116 53718 79827 34694 903 5 00000	USB	(AB)
S06s	8812	25-11	0930	Thu	678 213 5 88620 58069 61732 74537 57440 213 5 00000	USB	(AB)
S06s	9540	25-11	0940	Thu	678 213 5 88620 58069 61732 74537 57440 213 5 00000	USB	(AB)
S06s	12155	25-11	1200	Thu	175 239 6 88146 98835 46186 16945 80744 82707 239 6 00000	USB	(AB/MPJ-HNG)
S06s	10920	25-11	1210	Thu	175 239 6 88146 98835 46186 16945 80744 82707 239 6 00000	USB	(AB/MPJ-HNG)
S06s	11040	26-11	0830	Fri	156 480 7 17301 88554 82045 36707 24042 75956 31680 480 7 00000	USB	(AB)
S06s	12153	26-11	0840	Fri	156 480 7 17301 88554 82045 36707 24042 75956 31680 480 7 00000	USB	(AB)
S06s	5765	26-11	0900	Fri	239 805 6 45279 43828 55581 20044 52985 40614 805 6 00000	USB	(AB)
S06s	6315	26-11	0910	Fri	239 805 6 45279 43828 55581 20044 52985 40614 805 6 00000	USB	(AB)
S06s	13470	29-11	0630	Mon	462 462 462 00000	USB	(AB)
S06s	16515	29-11	0640	Mon	462 462 462 00000	USB	(AB-POL/HFD-KWT)
S06s	8057	29-11	0830	Mon	764 764 764 00000	USB	(AB)
S06s	8530	29-11	0840	Mon	764 764 764 00000	USB	(AB)
S06s	14675	29-11	0900	Mon	232 232 232 00000	USB	(AB)

S06s	12830	29-11	0910	Mon	232 232 232 00000	USB	(AB)
S06s	8490	29-11	1300	Mon	149 149 149 00000	USB	(AB)
S06s	10635	29-11	1310	Mon	149 149 149 00000	USB	(AB)
S06s	16145	30-11	0600	Tue	438 438 438 00000	USB	(AB-KWT)
S06s	14240	30-11	0610	Tue	438 438 438 00000	USB	(AB-KWT)
S06s	5250	30-11	0700	Tue	452 452 452 00000	USB	(AB-POL)
S06s	6320	30-11	0710	Tue	452 452 452 00000	USB	(AB)
S06s	7410	30-11	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11532	30-11	0740	Tue	427 427 427 00000	USB	(AB)
S06s	11945	30-11	0800	Tue	127 127 127 00000	USB	(AB-CYP)
S06s	13195	30-11	0810	Tue	127 127 127 00000	USB	(AB)
S06s	6440	30-11	1000	Tue	427 427 427 00000	USB	(AB)
S06s	5660	30-11	1010	Tue	427 472 427 00000	USB	(AB)
S06s	5035	30-11	1100	Tue	265 265 265 00000	USB	(AB-POL)
S06s	5975	30-11	1110	Tue	265 265 265 00000	USB	(AB-POL)
S11a	9057	1-11	0510	Mon	657/00	USB	(AB)
S11a	9050	1-11	0700	Mon	477/00	USB	(AB/HFD)
S11a	6252	1-11	0915	Mon	483/36 Vnimanaye 15692 65926 75517 ... 51163 91947 31289 Vnimanaye (message repeated) Konets	USB	(AB/HFD)
S11a	8102	2-11	1020	Tue	424/00	USB	(AB/HFD)
S11a	9057	3-11	0510	Wed	651/00	USB	(AB)
S11a	11486	3-11	1850	Wed	281/00	USB	(AB/HFD)
S11a	9050	4-11	0700	Thu	475/00	USB	(AB)
S11a	6252	5-11	0915	Fri	483/36 Vnimanaye 15692 65926 75517 ... 51163 91947 31289 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	8102	5-11	1020	Fri	424/00	USB	(AB/MPJ)
S11a	5371	6-11	0830	Sat	379/00	USB	(AB/HFD)
S11a	11486	6-11	1850	Sat	287/00	USB	(AB/MPJ)
S11a	9057	8-11	0510	Mon	654/00	USB	(AB)
S11a	9050	8-11	0700	Mon	475/00	USB	(AB)
S11a	6252	8-11	0915	Mon	481/00	USB	(AB)
S11a	12530	9-11	0500	Tue	381/00	USB	(AB-RUS)
S11a	8102	9-11	1020	Tue	426/37 Vnimanaye 59537 66743 30705 03078 ... 29382 04515 18458 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	9057	10-11	0510	Wed	654/00	USB	(AB)
S11a	11486	10-11	1850	Wed	285/34 Vnimanaye 68567 16851 33406 ... 25886 03881 28610 Vnimanaye (message repeated) Konets	USB	(MPJ)
S11a	12530	11-11	0500	Thu	384/00	USB	(AB-POL)
S11a	9050	11-11	0700	Thu	475/00	USB	(AB)
S11a	6252	12-11	0915	Fri	487/00	USB	(AB)
S11a	8102	12-11	1020	Fri	426/37 Vnimanaye 59537 66743 30705 03078 ... 29382 04515 18458 Vnimanaye (message repeated) Konets	USB	(AB)

<b>S11a</b>	5371	13-11	0830	Sat	379/32 Vnimanije 32827 95881 18159 ... 58907 90140 12996 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	11486	13-11	1850	Sat	285/34 Vnimanije 68567 16851 33406 ... 25886 03881 28610 Vnimanije (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	5371	14-11	0830	Sun	379/32 Vnimanije 32827 95881 18159 ... 58907 90140 12996 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	9057	15-11	0510	Mon	659/00	USB	(AB/HFD)
<b>S11a</b>	9050	15-11	0700	Mon	471/38 Vnimanije 59431 58632 23052 ... 76102 66655 46510 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	6252	15-11	0915	Mon	481/00	USB	(AB)
<b>S11A</b>	12530	16-11	0500	Tue	385/00	USB	(HFD)
<b>S11a</b>	8102	16-11	1020	Tue	424/00	USB	(AB)
<b>S11a</b>	9057	17-11	0510	Wed	659/00	USB	(AB-POL)
<b>S11a</b>	11486	17-11	1850	Wed	281/00	USB	(MPJ-AUT)
<b>S11a</b>	12530	18-11	0500	Thu	380/00	USB	(AB-RUS)
<b>S11a</b>	9050	18-11	0700	Thu	471/38 Vnimanije 59431 58632 23052 ... 76102 66655 46510 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	6252	19-11	0915	Fri	483/00	USB	(AB)
<b>S11a</b>	8102	19-11	1020	Fri	424/00	USB	(AB)
<b>S11a</b>	5371	20-11	0830	Sat	379/00	USB	(AB)
<b>S11a</b>	5371	21-11	0830	Sun	370/00	USB	(AB)
<b>S11a</b>	9057	22-11	0510	Mon	655/40 Vnimanije 57956 81986 86743 ... 26250 91490 21724 Vnimanije (message repeated) Konets	USB	(AB)
<b>S11a</b>	9050	22-11	0700	Mon	477/00	USB	(AB)
<b>S11a</b>	6252	22-11	0915	Mon	484/00	USB	(AB)
<b>S11a</b>	12530	23-11	0500	Tue	384/00	USB	(AB)
<b>S11a</b>	8102	23-11	1020	Tue	429/00	USB	(AB)
<b>S11a</b>	9057	24-11	0510	Wed	655/40 Vnimanije 57956 81986 86743 ... 26250 91490 21724 Vnimanije (message repeated) Konets	USB	(AB-POL)
<b>S11a</b>	11486	24-11	1850	Wed	284/00	USB	(AB-POL)
<b>S11a</b>	12530	25-11	0500	Thu	389/00	USB	(AB-POL)
<b>S11a</b>	9050	25-11	0700	Thu	477/00	USB	(AB)
<b>S11a</b>	6252	26-11	0915	Fri	482/00	USB	(AB)
<b>S11a</b>	8102	26-11	1020	Fri	427/00	USB	(AB)
<b>S11a</b>	5371	27-11	0830	Sat	377/00	USB	(AB)
<b>S11a</b>	11486	27-11	1850	Sat	281/00	USB	(AB-POL/MPJ-AUT)
<b>S11a</b>	5371	28-11	0830	Sun	372/00	USB	(AB)
<b>S11a</b>	9057	29-11	0510	Mon	652/00	USB	(AB)
<b>S11a</b>	9050	29-11	0700	Mon	477/00	USB	(AB)
<b>S11a</b>	6252	29-11	0915	Mon	485/00	USB	(AB)
<b>S11a</b>	12530	30-11	0500	Tue	382/00	USB	(AB-POL)
<b>S11a</b>	8102	30-11	1020	Tue	422/00	USB	(AB)



<b>S28</b>	4625	5-11	1437	Fri	Russian military. Buzzer channel marker	USB	(ChPa)
<b>S28</b>	4625	8-11	1715	Mon	Russian military. Buzzer channel marker	USB	(ChPa)
<b>S28</b>	4625	17-11	1902	Wed	Russian military. Buzzer channel marker	USB	(ChPa)
<b>S28</b>	4625	22-11	1134	Mon	NZhTI 94211 ZVUCHANIYe 4638 1726 KLINOK 0979 2679	USB	(Gwr)
<b>S28</b>	4625	22-11	1152	Mon	NZhTI 85983 MYSOV'YuK 9812 8351 BOBINA 3725 2702	USB	(Gwr)
<b>S28</b>	4625	22-11	1218	Mon	NZhTI 81566 PANIROVKA 5821 6631	USB	(Gwr)
<b>S28</b>	4625	24-11	1737	Wed	Russian military. Buzzer channel marker	USB	(ChPa)
<b>S30</b>	3756	5-11	1435	Fri	Russian military. Pip channel marker	USB	(ChPa)
<b>S30</b>	3756	8-11	1712	Mon	Russian military. Pip channel marker	USB	(ChPa)
<b>S30</b>	5448	17-11	1332	Wed	JVB1 SBYTOSYeV 212 ChYeSTNOST' 251 ShchITONARY 260	USB	(Gwr)
<b>S30</b>	3756	17-11	1900	Wed	Russian military. Pip channel marker	USB	(ChPa)
<b>S30</b>	5448	22-11	1138	Mon	JVB1 71539 DOMOChADYeC 4862 8689 YeDINICA 8905 1194	USB	(Gwr)
<b>S30</b>	5448	22-11	1158	Mon	JVB1 02878 INDIVIDUUM 1083 3118 BARSOVYJ 0539 8707	USB	(Gwr)
<b>S30</b>	5448	22-11	1218	Mon	JVB1 08767 LIDSOSVOD 1030 8075	USB	(Gwr)
<b>S30</b>	5448	22-11	1222	Mon	JVB1 HLADOSRAM 168 ShchITONARY 160	USB	(Gwr)
<b>S30</b>	3756	24-11	1734	Wed	Russian military. Pip channel marker	USB	(ChPa)
<b>S32</b>	3828	5-11	1436	Fri	Russian military. Squeaky Wheel channel marker	USB	(ChPa)
<b>S32</b>	3828	8-11	1713	Mon	Russian military. Squeaky Wheel channel marker	USB	(ChPa)
<b>S32</b>	5473	17-11	1335	Wed	Al'fa-45 SBYTOSYeV 212 ChYeSTNOST' 251 ShchITONARY 260	USB	(Gwr)
<b>S32</b>	3828	17-11	1901	Wed	Russian military. Squeaky Wheel channel marker	USB	(ChPa)
<b>S32</b>	5473	22-11	1142	Mon	Al'fa-45 57649 VRUNOTIF 1581 7029	USB	(Gwr)
<b>S32</b>	5473	22-11	1202	Mon	Al'fa-45 15846 PRISKORBNYJ 0540 3243	USB	(Gwr)
<b>S32</b>	5473	22-11	1220	Mon	86801 otstavit [forgot callsign] Al'fa-45 86801 GIKOHRAP 6118 1345	USB	(Gwr)
<b>S32</b>	5473	22-11	1224	Mon	Al'fa-45 HLADOSRAM 168 ShchITONARY 160	USB	(Gwr)
<b>S32</b>	3828	24-11	1735	Wed	Russian military. Squeaky Wheel channel marker	USB	(ChPa)
<b>S96s</b>	7062	3-11	0830	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(AB)
<b>S96s</b>	10532	3-11	0840	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(AB)
<b>S96s</b>	7062	10-11	0830	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(AB)
<b>S96s</b>	10532	10-11	0840	Wed	464 287 5 65906 66610 20336 17301 88554 287 5 00000	USB	(AB)
<b>UM04</b>	4735	14-11	0804	Sun	VVVVV PROMRÍ = 14 11 = 1000 0680 0730 0900 1330 ... 0800 0590 0640 0790 1190 = AR	CW	(AB-GRC)
<b>UM04</b>	4735	16-11	0800	Tue	VVVVV PROMRÍ = 1611 = 1000 0700 0750 0910 1350 ... 0800 0590 0640 0790 1190 = AR	CW	(AB-HNG)
<b>UM04</b>	4735	21-11	0804	Sun	VVV VVV PROMRÍ = 21 11 = 1000 0680 0730 0890 1330 ... 0800 0580 0620 0780 1180 = AR	CW	(AB-HNG)
<b>UM04</b>	4735	23-11	0805	Tue	VVVVV PROMRÍ = 23 11 = 1000 0660 0710 0870 1300 ... 0800 0570 0620 0770 1160 = AR	CW	(AB-HNG)
<b>UM04</b>	4735	28-11	0800	Sun	VVV VVV PROMRÍ = 28 11 = 1000 0640 0690 0850 1270 ... 0800 0540 0590 0740 1130 = AR	CW	(AB-HNG)
<b>UM04</b>	4735	30-11	0802	Tue	VVV VVV PROMRÍ = 30 11 = 1000 0620 0670 0830 1250 ... 0800 0540 0590 0740 1120 = AR	CW	(AB-HNG)
<b>UM10</b>	3536	5-11	2246	Fri	10-minutes net: ZJL4 //3805 kHz	CW	(AB)
<b>UM10</b>	3805	5-11	2246	Fri	10-minutes net: ZJL4 //3536 kHz	CW	(AB)
<b>USB</b>	19134	11-11	1100	Thu	11024	S06c	(AB)
<b>V07</b>	15946	7-11	0100	Sun	984 984 984 1 332 100 332 100 36124 73341 48679 ... 68217 19187 14252 000 000	USB	(Dan/HFD-USA)
<b>V07</b>	14846	7-11	0120	Sun	984 984 984 1 332 100 332 100 36124 73341 48679 ... 68217 19187 14252 000 000	USB	(Dan/HFD-USA)
<b>V07</b>	13486	7-11	0140	Sun	984 984 984 1 332 100 332 100 36124 73341 48679 ... 68217 19187 14252 000 000	USB	(Dan/HFD-USA))
<b>V07</b>	15946	14-11	0100	Sun	984 984 984 1 591 116 591 116 98396 24514 31409 ... 54734 70089 13088 000 000	USB	(Dan)

V07	14846	14-11	0120	Sun	984 984 984 1 591 116 591 116 98396 24514 31409 ... 54734 70089 13088 000 000	USB	(Dan)
V07	13486	14-11	0140	Sun	984 984 984 1 591 116 591 116 98396 24514 31409 ... 54734 70089 13088 000 000	USB	(Dan)
V07	15946	21-11	0100	Sun	984 984 984 000 000	USB	(Dan)
V07	14846	21-11	0120	Sun	984 984 984 000 000	USB	(Dan)
V07	15946	28-11	0100	Sun	984 984 984 1 484 122 484 122 81809 53409 34304 ... 74487 57006 54492 000 000	USB	(Dan)
V07	14846	28-11	0120	Sun	984 984 984 1 484 122 484 122 81809 53409 34304 ... 74487 57006 54492 000 000	USB	(Dan)
V13	9276	5-11	1200	Fri	New Star Broadcasting	USB	(AB-J)
V13	15890	5-11	1200	Fri	New Star Broadcasting	USB	(AB-J)
V26	4243	1-11	1141	Mon	Callup in Chinese voice. Female operator //9054	USB	(JPL)
V26	9054	1-11	1141	Mon	Callup in Chinese voice. Female operator //4243	USB	(JPL)
V26	4243	4-11	1142	Thu	Callup in Chinese voice //9054	USB	(JPL)
V26	9054	4-11	1142	Thu	Callup in Chinese voice //4243	USB	(JPL)
V26	4243	10-11	1140	Wed	Callup in Chinese voice. Female operator //9054	USB	(JPL)
V26	9054	10-11	1140	Wed	Callup in Chinese voice. Female operator //4243	USB	(JPL)
V26	4243	15-11	2340	Mon	Callup in Chinese voice. Female operator //9054	USB	(JPL)
V26	9054	15-11	2340	Mon	Callup in Chinese voice. Female operator //4243	USB	(JPL)
VC01	5865	5-11	1206	Fri	Chinese Robot i.p.	LSB	(AB-J)
X06	10161	1-11	0750	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB)
X06	11562	1-11	0829	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB)
X06	15836	2-11	0902	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB)
X06	12157	2-11	0914	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB)
X06	20690	8-11	0827	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	10127	8-11	0913	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	10127	8-11	0918	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	11537	8-11	0927	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	13517	8-11	0936	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	12109	8-11	0946	Mon	MFA Moscow clg 431625: Russian embassy Warsaw	MFSK-6	(AB)
X06	9127	10-11	0924	Wed	MFA Moscow clg 263145: Russian embassy Prague	MFSK-6	(AB)
X06	13506	11-11	0952	Thu	MFA Moscow clg 621543: Russian embassy Lisbon	MFSK-6	(AB)
X06	13506	11-11	0954	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
X06	10653	12-11	0928	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
X06	10161	15-11	0757	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB)
X06	12174	16-11	0900	Tue	MFA Moscow clg 154632: unid embassy	MFSK-6	(AB)
X06	18206	16-11	0936	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB)
X06	12830	17-11	0840	Wed	225616	MFSK-6	(AB)
X06	12215	19-11	1007	Fri	MFA Moscow clg 361245: Russian embassy Copenhagen	MFSK-6	(AB)
X06	12109	22-11	0949	Mon	MFA Moscow clg 431625: Russian embassy Warsaw	MFSK-6	(AB)
X06	20550	22-11	1258	Mon	111666	MFSK-6	(AB)
X06	14861	23-11	0813	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB)
X06	13369	24-11	0836	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB)
X06	16116	24-11	0907	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(AB)
X06	13506	25-11	0936	Thu	MFA Moscow clg 621543: Russian embassy Lisbon ended 0939z	MFSK-6	(AB)



<b>X06</b>	13506	25-11	0940	Thu	MFA Moscow clg 164532: Russian embassy Dublin ended 0945z	MFSK-6	(AB)
<b>X06</b>	15878	25-11	1130	Thu	MFA Moscow clg 621543: Russian embassy Lisbon ip	MFSK-6	(AB)
<b>X06</b>	10653	26-11	0930	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB)
<b>X06</b>	14560	29-11	0935	Mon	MFA Moscow clg 621543: Russian embassy Lisboa	MFSK-6	(AB)
<b>X06b</b>	13894	8-11	1017	Mon	111616 before XPB1	MFSK-6	(AB)
<b>X06b</b>	13984	15-11	1034	Mon	111666 before XPB1, also at 1036z	MFSK-6	(AB)
<b>X06b</b>	18640	19-11	1042	Fri	111666	MFSK-6	(AB)
<b>X06b</b>	14650	22-11	0805	Mon	111666 ended at 0953z	MFSK-6	(AB)
<b>X06b</b>	12550	23-11	0903	Tue	111666 i.p. ended 1012z	MFSK-6	(AB)
<b>X06b</b>	14550	23-11	1052	Tue	111666 i.p. ended 1313z	MFSK-6	(AB)
<b>X06b</b>	16450	25-11	0723	Thu	111666 switched to 11450 kHz at 0801z	MFSK-6	(AB)
<b>X06b</b>	11450	25-11	0801	Thu	111666 switched to 9450 kHz at 1046z	MFSK-6	(AB)
<b>X06b</b>	9450	25-11	1046	Thu	111666 ended at 1226z	MFSK-6	(AB)
<b>X06b</b>	8560	26-11	0638	Fri	111666 ended at 1135z	MFSK-6	(AB)
<b>X06b</b>	13356	26-11	0857	Fri	111666 briefly then switched to 13350 kHz	MFSK-6	(AB)
<b>X06b</b>	13350	26-11	0900	Fri	Carrier till 0910z, then 111666 for 1 minute, then off	MFSK-6	(AB)
<b>X06b</b>	13350	26-11	1110	Fri	Carrier alternating with 44466. Ended at 1201z	MFSK-6	(AB)
<b>X06d</b>	13350	29-11	0700	Mon	111111 Ended at 1332z	MFSK-6	(AB)
<b>X06d</b>	14650	29-11	0750	Mon	111111 Ended at 0814z	MFSK-6	(AB)
<b>X06d</b>	18650	29-11	0944	Mon	111111 Ended at 1012z	MFSK-6	(AB)
<b>X06d</b>	14650	29-11	0948	Mon	111111 Ended at 1007z	MFSK-6	(AB)
<b>X06d</b>	14650	29-11	1008	Mon	111111 Ended at 1020z	MFSK-6	(AB)
<b>XPA1</b>	13978	2-11	0810	Tue	587 587 587 000 07248 00001 00000 36263	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14859	2-11	0830	Tue	587 587 587 000 07248 00001 00000 36263	MFSK-20/10Bd	(AB)
<b>XPA1</b>	15871	2-11	0850	Tue	587 587 587 000 07248 00001 00000 36263	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13875	3-11	1310	Wed	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	13375	3-11	1330	Wed	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	10875	3-11	1350	Wed	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	13978	4-11	0810	Thu	587 587 587 000 07062 00001 00000 32265	MFSK-20/10Bd	(AB-RUS/HFD)
<b>XPA1</b>	15871	4-11	0850	Thu	msg	MFSK-20/10Bd	(HFD)
<b>XPA1</b>	15871	4-11	0850	Thu	587 587 587 000 07062 00001 00000 32265	MFSK-20/10Bd	(AB-KWT/HFD)
<b>XPA1</b>	13875	5-11	1310	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	13375	5-11	1330	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	10875	5-11	1350	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	13978	9-11	0810	Tue	Stopped after a few seconds	MFSK-20/10Bd	(AB)
<b>XPA1</b>	14859	9-11	0830	Tue	587 587 587 000 09274 00001 00000 34270	MFSK-20/10Bd	(AB)
<b>XPA1</b>	15871	9-11	0850	Tue	587 587 587 000 09274 00001 00000 34270	MFSK-20/10Bd	(AB)
<b>XPA1</b>	13875	10-11	1310	Wed	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	13375	10-11	1330	Wed	838 838 838 1 00516 00140 06011 ... Off after group 83	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	10875	10-11	1350	Wed	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
<b>XPA1</b>	13978	11-11	0810	Thu	587 587 587 000 05041 00001 00000 31661	MFSK-20/10Bd	(AB-RUS)
<b>XPA1</b>	14859	11-11	0830	Thu	587 587 587 000 05041 00001 00000 31661	MFSK-20/10Bd	(AB-RUS)

XPA1	15871	11-11	0850	Thu	587 587 587 000 05041 00001 00000 31661	MFSK-20/10Bd	(AB-RUS)
XPA1	13875	12-11	1310	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
XPA1	13375	12-11	1330	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
XPA1	10875	12-11	1350	Fri	838 838 838 1 00516 00140 06011 ... 03049 88069 71121	MFSK-20/10Bd	(AB/MPJ)
XPA1	13978	16-11	0810	Tue	587 587 587 000 06651 00001 00000 34663	MFSK-20/10Bd	(AB)
XPA1	14859	16-11	0830	Tue	587 587 587 000 06651 00001 00000 34663	MFSK-20/10Bd	(AB)
XPA1	15871	16-11	0850	Tue	587 587 587 000 06651 00001 00000 34663	MFSK-20/10Bd	(AB)
XPA1	13875	17-11	1310	Wed	838 838 838 000 09332 00001 00000 33664	MFSK-20/10Bd	(AB/MPJ)
XPA1	13375	17-11	1330	Wed	838 838 838 000 09332 00001 00000 33664	MFSK-20/10Bd	(AB/MPJ)
XPA1	10875	17-11	1350	Wed	838 838 838 000 09332 00001 00000 33664	MFSK-20/10Bd	(AB/MPJ)
XPA1	13978	18-11	0810	Thu	587 587 587 000 07292 00001 00000 33270	MFSK-20/10Bd	(AB)
XPA1	14859	18-11	0830	Thu	587 587 587 000 07292 00001 00000 33270	MFSK-20/10Bd	(AB)
XPA1	15871	18-11	0850	Thu	587 587 587 000 07292 00001 00000 33270	MFSK-20/10Bd	(AB)
XPA1	13875	19-11	1310	Fri	838 838 838 000 01990 00001 00000 35662	MFSK-20/10Bd	(AB/MPJ)
XPA1	13375	19-11	1330	Fri	838 838 838 000 01990 00001 00000 35662	MFSK-20/10Bd	(AB/MPJ/RL-HOL)
XPA1	10875	19-11	1350	Fri	838 838 838 000 01990 00001 00000 35662	MFSK-20/10Bd	(AB/MPJ)
XPA1	13978	23-11	0810	Tue	587 587 587 000 01382 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA1	14859	23-11	0830	Tue	587 587 587 000 01382 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA1	15871	23-11	0850	Tue	587 587 587 000 01382 00001 00000 33661	MFSK-20/10Bd	(AB)
XPA1	13875	24-11	1310	Wed	838 838 838 000 03808 00001 00000 41253	MFSK-20/10Bd	(AB)
XPA1	13375	24-11	1330	Wed	838 838 838 000 03808 00001 00000 41253	MFSK-20/10Bd	(AB)
XPA1	10875	24-11	1350	Wed	838 838 838 000 03808 00001 00000 41253	MFSK-20/10Bd	(AB)
XPA1	13978	25-11	0810	Thu	587 587 587 000 08665 00001 00000 36666	MFSK-20/10Bd	(AB)
XPA1	14859	25-11	0830	Thu	587 587 587 000 08665 00001 00000 36666	MFSK-20/10Bd	(AB)
XPA1	15871	25-11	0850	Thu	587 587 587 000 08665 00001 00000 36666	MFSK-20/10Bd	(AB)
XPA1	13875	26-11	1310	Fri	838 838 838 000 09799 00001 00000 41272	MFSK-20/10Bd	(AB/MPJ)
XPA1	13375	26-11	1330	Fri	838 838 838 000 09799 00001 00000 41272	MFSK-20/10Bd	(AB/MPJ)
XPA1	10875	26-11	1350	Fri	838 838 838 000 09799 00001 00000 41272	MFSK-20/10Bd	(AB/MPJ)
XPA1	13978	30-11	0810	Tue	587 587 587 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	14859	30-11	0830	Tue	587 587 587 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	15871	30-11	0850	Tue	587 587 587 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA2	11529	1-11	0800	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	13429	1-11	0820	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	13929	1-11	0840	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	17413	1-11	0910	Mon	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB)
XPA2	15852	1-11	0930	Mon	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB)
XPA2	13363	1-11	0950	Mon	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB)
XPA2	8126	1-11	1600	Mon	09831 00001 00000 35664	MFSK-16/20Bd	(AB/MPJ)
XPA2	6826	1-11	1620	Mon	09831 00001 00000 35664	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	1-11	1640	Mon	09831 00001 00000 35664	MFSK-16/20Bd	(AB/MPJ)
XPA2	10653	2-11	1100	Tue	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB/RL)
XPA2	9353	2-11	1120	Tue	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB)

XPA2	8153	2-11	1140	Tue	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB)
XPA2	14783	2-11	1200	Tue	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB)
XPA2	13883	2-11	1220	Tue	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB)
XPA2	12183	2-11	1240	Tue	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB)
XPA2	10223	2-11	1600	Tue	07420 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	9223	2-11	1620	Tue	07420 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	8123	2-11	1640	Tue	07420 00001 00000 33261	MFSK-16/20Bd	(AB)
XPA2	11529	3-11	0800	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	13429	3-11	0820	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	13929	3-11	0840	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB/HFD)
XPA2	17413	3-11	0910	Wed	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB/HFD)
XPA2	15852	3-11	0930	Wed	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB/HFD)
XPA2	13363	3-11	0950	Wed	00022 00099 67760 ... 57806 14912 07370	MFSK-16/20Bd	(AB/HFD)
XPA2	13393	3-11	1100	Wed	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB)
XPA2	12193	3-11	1120	Wed	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB)
XPA2	11093	3-11	1140	Wed	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB)
XPA2	10968	3-11	1200	Wed	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB/HFD)
XPA2	12168	3-11	1220	Wed	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB/HFD)
XPA2	13368	3-11	1240	Wed	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB/HFD)
XPA2	15895	4-11	0910	Thu	04836 00099 23756 ... 00769 25404 66754	MFSK-16/20Bd	(AB-KWT/HFD)
XPA2	14885	4-11	0930	Thu	04836 00099 23756 ... 00769 25404 66754	MFSK-16/20Bd	(AB-KWT/HFD)
XPA2	13885	4-11	0950	Thu	04836 00099 23756 ... 00769 25404 66754	MFSK-16/20Bd	(AB/HFD)
XPA2	13393	4-11	1100	Thu	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB/HFD)
XPA2	12193	4-11	1120	Thu	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB/HFD)
XPA2	11093	4-11	1140	Thu	02653 00082 41297 ... 90463 19642 22355	MFSK-16/20Bd	(AB/HFD)
XPA2	10223	4-11	1600	Thu	02270 00001 00000 32261	MFSK-16/20Bd	(AB)
XPA2	9223	4-11	1620	Thu	02270 00001 00000 32261	MFSK-16/20Bd	(AB)
XPA2	8123	4-11	1640	Thu	02270 00001 00000 32261	MFSK-16/20Bd	(AB)
XPA2	10653	5-11	1100	Fri	msg	MFSK-16/20Bd	(HFD)
XPA2	10653	5-11	1100	Fri	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	9353	5-11	1120	Fri	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	8153	5-11	1140	Fri	00349 00046 27638 ... 41114 98005 05276	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	10968	5-11	1200	Fri	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB)
XPA2	12168	5-11	1220	Fri	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB)
XPA2	13368	5-11	1240	Fri	00549 00162 60249 ... 02896 55587 23727	MFSK-16/20Bd	(AB)
XPA2	15985	6-11	0910	Sat	04836 00099 23755 ... 00769 25404 66754	MFSK-16/29Bd	(AB)
XPA2	14885	6-11	0930	Sat	04836 00099 23755 ... 00769 25404 66754	MFSK-16/29Bd	(AB)
XPA2	13885	6-11	0950	Sat	04836 00099 23755 ... 00769 25404 66754	MFSK-16/29Bd	(AB)
XPA2	8126	6-11	1600	Sat	03043 00001 00000 32657	MFSK-16/20Bd	(AB/GHn)
XPA2	6826	6-11	1620	Sat	03043 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	5326	6-11	1640	Sat	03043 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	14783	7-11	1200	Sun	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB/MPJ/HFD)

<b>XPA2</b>	13883	7-11	1220	Sun	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	12183	7-11	1240	Sun	02049 00142 92552 ... 89683 86909 05060	MFSK-16/20Bd	(AB/MPJ/RL-HOL/HFD)
<b>XPA2</b>	11529	8-11	0800	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13429	8-11	0820	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13929	8-11	0840	Mon	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17413	8-11	0910	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15852	8-11	0930	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13363	8-11	0950	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	8126	8-11	1600	Mon	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB/MPJ/RL-HOL/HFD)
<b>XPA2</b>	6826	8-11	1620	Mon	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	5326	8-11	1640	Mon	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB/MPJ/HFD)
<b>XPA2</b>	10653	9-11	1100	Tue	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB)
<b>XPA2</b>	9353	9-11	1120	Tue	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB/GHn)
<b>XPA2</b>	8153	9-11	1140	Tue	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14783	9-11	1200	Tue	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13883	9-11	1220	Tue	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12183	9-11	1240	Tue	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB)
<b>XPA2</b>	10223	9-11	1600	Tue	02355 00001 00000 35257	MFSK-16/20Bd	(AB)
<b>XPA2</b>	9223	9-11	1620	Tue	02355 00001 00000 35257	MFSK-16/20Bd	(AB)
<b>XPA2</b>	8123	9-11	1640	Tue	02355 00001 00000 35257	MFSK-16/20Bd	(AB)
<b>XPA2</b>	11529	10-11	0800	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13429	10-11	0820	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13929	10-11	0840	Wed	01100 00102 80814 ... 69506 46654 35531	MFSK-16/20Bd	(AB)
<b>XPA2</b>	17413	10-11	0910	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15852	10-11	0930	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13363	10-11	0950	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13393	10-11	1100	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12193	10-11	1120	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	11093	10-11	1140	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	10968	10-11	1200	Wed	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12168	10-11	1220	Wed	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13368	10-11	1240	Wed	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB)
<b>XPA2</b>	15895	11-11	0910	Thu	01555 00139 29022 ... 00832 16562 16203	MFSK-16/20Bd	(AB)
<b>XPA2</b>	14885	11-11	0930	Thu	01555 00139 29022 ... 00832 16562 16203	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13885	11-11	0950	Thu	01555 00139 29022 ... 00832 16562 16203	MFSK-16/20Bd	(AB)
<b>XPA2</b>	13393	11-11	1100	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	12193	11-11	1120	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	11093	11-11	1140	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
<b>XPA2</b>	10223	11-11	1600	Thu	09882 00001 00000 36271	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	9223	11-11	1620	Thu	09882 00001 00000 36271	MFSK-16/20Bd	(AB/HFD)

XPA2	8123	11-11	1640	Thu	09882 00001 00000 36271	MFSK-16/20Bd	(AB/HFD)
XPA2	11221	12-11	0840	Fri	00589 00985 37713 ... 73411 54952 89220 22167	MFSK-16/20bd	(AB)
XPA2	14803	12-11	0852	Fri	i.p. same message as on 11221 kHz? Both ended at the same time	MFSK-16/20bd	(AB)
XPA2	10653	12-11	1100	Fri	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB)
XPA2	9353	12-11	1120	Fri	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB)
XPA2	8153	12-11	1140	Fri	07558 00044 84303 ... 76960 29755 00211	MFSK-16/20Bd	(AB)
XPA2	7849	12-11	1200	Fri	00517 00364 23256 ... 98610 11977 21347	MFSK-12/20Bd	(AB)
XPA2	10968	12-11	1200	Fri	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	12-11	1220	Fri	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	12-11	1240	Fri	03715 00214 53212 ... 22597 05020 24052	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	13-11	0910	Sat	01555 00139 29022 ... 00832 16562 16203	MFSK-16/29Bd	(AB)
XPA2	14885	13-11	0930	Sat	01555 00139 29022 ... 00832 16562 16203	MFSK-16/29Bd	(AB)
XPA2	13885	13-11	0950	Sat	01555 00139 29022 ... 00832 16562 16203	MFSK-16/29Bd	(AB)
XPA2	8126	13-11	1600	Sat	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB)
XPA2	6826	13-11	1620	Sat	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	5326	13-11	1640	Sat	00369 00237 44338 ... 98057 28621 60552	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	14783	14-11	1200	Sun	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB)
XPA2	13883	14-11	1220	Sun	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	12183	14-11	1240	Sun	00726 00226 80159 ... 74863 42972 24602	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11529	15-11	0800	Mon	01286 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	13383	15-11	0800	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	16297	15-11	0800	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	12213	15-11	0820	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	13429	15-11	0820	Mon	01286 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	15871	15-11	0820	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	11221	15-11	0840	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	13929	15-11	0840	Mon	01286 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	14803	15-11	0840	Mon	00245 00916 28040 ... 73530 87639 10157	MFSK-16/20Bd	(AB)
XPA2	17413	15-11	0910	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	15852	15-11	0930	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	13363	15-11	0950	Mon	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	7849	15-11	1200	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	9387	15-11	1200	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	6854	15-11	1210	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	9048	15-11	1210	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	5823	15-11	1220	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	8192	15-11	1220	Mon	00565 00306 09663 ... 17019 71176 61211	MFSK-16/20Bd	(AB)
XPA2	8126	15-11	1600	Mon	06887 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	6826	15-11	1620	Mon	06887 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	5326	15-11	1640	Mon	06887 00001 00000 40666	MFSK-16/20Bd	(AB)
XPA2	15825	16-11	0700	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB-RUS)
XPA2	18492	16-11	0700	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB-RUS)



XPA2	14703	16-11	0710	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB-RUS)
XPA2	17462	16-11	0710	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB-RUS)
XPA2	13371	16-11	0720	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB)
XPA2	16072	16-11	0720	Tue	00556 00352 67987 ... 39219 94992 53265	MFSK-16/20Bd	(AB-RUS)
XPA2	10653	16-11	1100	Tue	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	9353	16-11	1120	Tue	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	8153	16-11	1140	Tue	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	14783	16-11	1200	Tue	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB)
XPA2	13883	16-11	1220	Tue	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB)
XPA2	12183	16-11	1240	Tue	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB)
XPA2	10223	16-11	1600	Tue	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	16-11	1620	Tue	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	16-11	1640	Tue	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	11529	17-11	0800	Wed	07907 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	13429	17-11	0820	Wed	07907 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	13929	17-11	0840	Wed	07907 00001 00000 41257	MFSK-16/20Bd	(AB)
XPA2	17413	17-11	0910	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	15852	17-11	0930	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	13363	17-11	0950	Wed	00160 00025 76272 ... 76821 70372 63275	MFSK-16/20Bd	(AB)
XPA2	13393	17-11	1100	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	12193	17-11	1120	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	11093	17-11	1140	Wed	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	10968	17-11	1200	Wed	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	17-11	1220	Wed	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	17-11	1240	Wed	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	15895	18-11	0910	Thu	05176 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	14885	18-11	0930	Thu	05176 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	13885	18-11	0950	Thu	05176 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	13393	18-11	1100	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	12193	18-11	1120	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	11093	18-11	1140	Thu	01707 00170 98702 ... 69366 56689 17121	MFSK-16/20Bd	(AB)
XPA2	10223	18-11	1600	Thu	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	18-11	1620	Thu	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	18-11	1640	Thu	06237 00165 59713 ... 94152 66541 26535	MFSK-16/20Bd	(AB/MPJ)
XPA2	10653	19-11	1100	Fri	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	9353	19-11	1120	Fri	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	8153	19-11	1140	Fri	00837 00074 17160 ... 39357 83232 52706 62463	MFSK-16/20Bd	(AB)
XPA2	10968	19-11	1200	Fri	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	19-11	1220	Fri	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	19-11	1240	Fri	08437 00166 77696 ... 04615 52255 05532	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	20-11	0910	Sat	07126 00001 00000 34661	MFSK-16/29Bd	(AB)
XPA2	14885	20-11	0930	Sat	07126 00001 00000 34661	MFSK-16/29Bd	(AB)

XPA2	13885	20-11	0950	Sat	07126 00001 00000 34661	MFSK-16/29Bd	(AB)
XPA2	8126	20-11	1600	Sat	04566 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	6826	20-11	1620	Sat	04566 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	5326	20-11	1640	Sat	04566 00001 00000 36662	MFSK-16/20Bd	(AB)
XPA2	14783	21-11	1200	Sun	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	21-11	1220	Sun	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	21-11	1240	Sun	07879 00164 22625 ... 98460 51956 16326	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	22-11	0800	Mon	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	13429	22-11	0820	Mon	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	13929	22-11	0840	Mon	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	17413	22-11	0910	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	15852	22-11	0930	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	13363	22-11	0950	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	8126	22-11	1600	Mon	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	6826	22-11	1620	Mon	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	5326	22-11	1640	Mon	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	10653	23-11	1100	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	9353	23-11	1120	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	8153	23-11	1140	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	14783	23-11	1200	Tue	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	23-11	1220	Tue	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	23-11	1240	Tue	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	10223	23-11	1600	Tue	06730 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	23-11	1620	Tue	06730 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	23-11	1640	Tue	06730 00001 00000 34661	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	24-11	0800	Wed	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	13429	24-11	0820	Wed	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	13929	24-11	0840	Wed	00117 00133 51814 .. 18987 92995 57173	MFSK-16/20Bd	(AB)
XPA2	17413	24-11	0910	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	15852	24-11	0930	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	13363	24-11	0950	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	13393	24-11	1100	Wed	01929 00001 00000 42253	MFSK-16/20Bd	(AB)
XPA2	12193	24-11	1120	Wed	01929 00001 00000 42253	MFSK-16/20Bd	(AB)
XPA2	11093	24-11	1140	Wed	01929 00001 00000 42253	MFSK-16/20Bd	(AB)
XPA2	10968	24-11	1200	Wed	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB)
XPA2	12168	24-11	1220	Wed	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	13368	24-11	1240	Wed	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11431	25-11	0835	Thu	06602 00135 25270 ... 58871 32514 33764	MFSK-16/20Bd	(AB)
XPA2	15895	25-11	0910	Thu	06270 00078 07396 ... 96785 19600 32041	MFSK-16/20Bd	(AB)
XPA2	14885	25-11	0930	Thu	06270 00078 07396 ... 96785 19600 32041	MFSK-16/20Bd	(AB)
XPA2	13885	25-11	0950	Thu	06270 00078 07396 ... 96785 19600 32041	MFSK-16/20Bd	(AB)
XPA2	13393	25-11	1100	Thu	04695 00001 00000 36665	MFSK-16/20Bd	(AB)

XPA2	12193	25-11	1120	Thu	04695 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	11093	25-11	1140	Thu	04695 00001 00000 36665	MFSK-16/20Bd	(AB)
XPA2	10223	25-11	1600	Thu	09211 00001 00000 32662	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	25-11	1620	Thu	09211 00001 00000 32662	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	25-11	1640	Thu	09211 00001 00000 32662	MFSK-16/20Bd	(AB/MPJ)
XPA2	10653	26-11	1100	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	9353	26-11	1120	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	8153	26-11	1140	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	10968	26-11	1200	Fri	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	26-11	1220	Fri	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	26-11	1240	Fri	07528 00078 26072 ... 31534 51153 13461	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	27-11	0910	Sat	06270 00078 07396 ... 96785 19600 32041	MFSK-16/29Bd	(AB)
XPA2	14885	27-11	0930	Sat	06270 00078 07396 ... 96785 19600 32041	MFSK-16/29Bd	(AB)
XPA2	13885	27-11	0950	Sat	06270 00078 07396 ... 96785 19600 32041	MFSK-16/29Bd	(AB)
XPA2	8126	27-11	1600	Sat	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	6826	27-11	1620	Sat	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	5326	27-11	1640	Sat	00636 00237 03140 ... 80836 78665 77610	MFSK-16/20Bd	(AB)
XPA2	14783	28-11	1200	Sun	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	28-11	1220	Sun	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	28-11	1240	Sun	03391 00146 56711 ... 71219 61839 07056	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	29-11	0800	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13429	29-11	0820	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13929	29-11	0840	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	17413	29-11	0910	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	15852	29-11	0930	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	13363	29-11	0950	Mon	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB)
XPA2	8126	29-11	1600	Mon	03900 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	6826	29-11	1620	Mon	03900 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	5326	29-11	1640	Mon	03900 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	10653	30-11	1100	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	9353	30-11	1120	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	8153	30-11	1140	Tue	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB)
XPA2	14783	30-11	1200	Tue	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	30-11	1220	Tue	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	30-11	1240	Tue	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB/MPJ)
XPA2	10223	30-11	1600	Tue	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	30-11	1620	Tue	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	30-11	1640	Tue	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPB1	13446	1-11	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14446	1-11	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14946	1-11	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15846	1-11	0630	Mon	Russian intel.	MFSK-16	(AB)



XPB1	16146	1-11	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17446	1-11	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17472	1-11	0700	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20083	1-11	0700	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16306	1-11	0710	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19309	1-11	0710	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15856	1-11	0720	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18238	1-11	0720	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17442	1-11	0800	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20658	1-11	0800	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20711	1-11	0810	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16153	1-11	0820	Mon	Russian intel.	MFSK-16	(AB)
XPB1	19548	1-11	0820	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15964	1-11	0840	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18058	1-11	0840	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13894	1-11	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13394	1-11	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12194	1-11	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11494	1-11	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11094	1-11	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10494	1-11	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13393	1-11	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11157	1-11	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12214	1-11	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11123	1-11	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10154	1-11	1400	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9387	1-11	1410	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9057	1-11	1420	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8136	1-11	1430	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7465	1-11	1440	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6726	1-11	1450	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13446	2-11	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17459	2-11	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14446	2-11	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16263	2-11	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14946	2-11	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15829	2-11	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15846	2-11	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16146	2-11	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17446	2-11	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17442	2-11	0800	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20658	2-11	0800	Tue	Russian intel.	MFSK-16	(AB)

XPB1	16153	2-11	0820	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19548	2-11	0820	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15964	2-11	0840	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18058	2-11	0840	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14779	2-11	0900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17359	2-11	0900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17411	2-11	0900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17464	2-11	0900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13374	2-11	0910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16059	2-11	0910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12101	2-11	0920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15861	2-11	0920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16278	2-11	1000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12157	2-11	1010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15802	2-11	1010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10913	2-11	1020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14585	2-11	1020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7876	2-11	2000	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	7576	2-11	2010	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	6876	2-11	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5876	2-11	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5376	2-11	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4476	2-11	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13894	6-11	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13394	6-11	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12194	6-11	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11494	6-11	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11094	6-11	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10494	6-11	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16353	6-11	1200	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	15953	6-11	1210	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	14953	6-11	1220	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	13453	6-11	1230	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	12153	6-11	1240	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	11453	6-11	1250	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	7876	7-11	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7576	7-11	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6876	7-11	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5876	7-11	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5376	7-11	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4476	7-11	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13446	8-11	0600	Mon	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	14446	8-11	0610	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14946	8-11	0620	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15846	8-11	0630	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16146	8-11	0640	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	17446	8-11	0650	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13894	8-11	1100	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13394	8-11	1110	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12194	8-11	1120	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11494	8-11	1130	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11094	8-11	1140	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10494	8-11	1150	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13446	9-11	0600	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14446	9-11	0610	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14946	9-11	0620	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15846	9-11	0630	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16146	9-11	0640	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	17446	9-11	0650	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7876	9-11	2000	Tue	Russian intel.	MFSK-16	(AB/RL/HFD)
<b>XPB1</b>	7576	9-11	2010	Tue	Russian intel.	MFSK-16	(AB/RL/HFD)
<b>XPB1</b>	6876	9-11	2020	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5876	9-11	2030	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	5376	9-11	2040	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	4476	9-11	2050	Tue	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	16353	10-11	1200	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15953	10-11	1210	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14953	10-11	1220	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13453	10-11	1230	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12153	10-11	1240	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11453	10-11	1250	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13894	13-11	1100	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13394	13-11	1110	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12194	13-11	1120	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11494	13-11	1130	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11094	13-11	1140	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10494	13-11	1150	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16353	13-11	1200	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15953	13-11	1210	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14953	13-11	1220	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13453	13-11	1230	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12153	13-11	1240	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11453	13-11	1250	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7876	14-11	2000	Sun	Russian intel.	MFSK-16	(AB/RL)

<b>XPB1</b>	7576	14-11	2010	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	6876	14-11	2020	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	5876	14-11	2030	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	5376	14-11	2040	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	4476	14-11	2050	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	13446	15-11	0600	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	14446	15-11	0610	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	14946	15-11	0620	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	15846	15-11	0630	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	16146	15-11	0640	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	17446	15-11	0650	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	13894	15-11	1100	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	13394	15-11	1110	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	12194	15-11	1120	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	11494	15-11	1130	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	11094	15-11	1140	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	10494	15-11	1150	Mon	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	13446	16-11	0600	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14446	16-11	0610	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14946	16-11	0620	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15846	16-11	0630	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16146	16-11	0640	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	17446	16-11	0650	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7876	16-11	2000	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7576	16-11	2010	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6876	16-11	2020	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5876	16-11	2030	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5376	16-11	2040	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4476	16-11	2050	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16353	17-11	1200	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	15953	17-11	1210	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	14953	17-11	1220	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	13453	17-11	1230	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	12153	17-11	1240	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	11453	17-11	1250	Wed	Russian intel.	MFSK-16	(AB/MPJ/HFD)
<b>XPB1</b>	13894	20-11	1100	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13394	20-11	1110	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12194	20-11	1120	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11494	20-11	1130	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11094	20-11	1140	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10494	20-11	1150	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16353	20-11	1200	Sat	Russian intel.	MFSK-16	(AB)

XPB1	15953	20-11	1210	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14953	20-11	1220	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13453	20-11	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12153	20-11	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11453	20-11	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7876	21-11	2000	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	7576	21-11	2010	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	6876	21-11	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5876	21-11	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5376	21-11	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4476	21-11	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13446	22-11	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14446	22-11	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14946	22-11	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15846	22-11	0630	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16146	22-11	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17446	22-11	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13894	22-11	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13394	22-11	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12194	22-11	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11494	22-11	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11094	22-11	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10494	22-11	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13446	23-11	0600	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14446	23-11	0610	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14946	23-11	0620	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15846	23-11	0630	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16146	23-11	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17446	23-11	0650	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7876	23-11	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7576	23-11	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6876	23-11	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5876	23-11	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5376	23-11	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4476	23-11	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16353	24-11	1200	Wed	Russian intel.	MFSK-16	(AB)
XPB1	15953	24-11	1210	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14953	24-11	1220	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13453	24-11	1230	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12153	24-11	1240	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11453	24-11	1250	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13894	27-11	1100	Sat	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	13394	27-11	1110	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12194	27-11	1120	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11494	27-11	1130	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11094	27-11	1140	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10494	27-11	1150	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16353	27-11	1200	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15953	27-11	1210	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14953	27-11	1220	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13453	27-11	1230	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12153	27-11	1240	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11453	27-11	1250	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7876	28-11	2000	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	7576	28-11	2010	Sun	Russian intel.	MFSK-16	(AB/RL)
<b>XPB1</b>	6876	28-11	2020	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5876	28-11	2030	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5376	28-11	2040	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4476	28-11	2050	Sun	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13446	29-11	0600	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14446	29-11	0610	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14946	29-11	0620	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15846	29-11	0630	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16146	29-11	0640	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	17446	29-11	0650	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13894	29-11	1100	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13394	29-11	1110	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	12194	29-11	1120	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11494	29-11	1130	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	11094	29-11	1140	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	10494	29-11	1150	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	13446	30-11	0600	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14446	30-11	0610	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	14946	30-11	0620	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15846	30-11	0630	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16146	30-11	0640	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	17446	30-11	0650	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7876	30-11	2000	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	7576	30-11	2010	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	6876	30-11	2020	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5876	30-11	2030	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	5376	30-11	2040	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	4476	30-11	2050	Tue	Russian intel.	MFSK-16	(AB)

## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-GRC	Ary Boender via remote rx Greece
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-LVA	Ary Boender via remote rx Latvia
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-USA	Ary Boender via remote rx USA
Anon	Anonymous
ChPa	Christer, Sweden
CK	Costas, Southern Europe
Dan	Daniel LU5EMM, Argentina
ES-HOL	Edward Smith via remote rx Netherlands
F5JBR	F5JBR André, France
GHn	Gary Hagermann, UK
Gwr	Gwraspe
HFD	Hans-Friedrich Dumrese, Germany
HFD-CHN	Hans-Friedrich Dumrese via remote rx China
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-KWT	Hans-Friedrich Dumrese via remote rx Kuwait
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-UKR	Hans-Friedrich Dumrese via remote rx Ukraine
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-HNG	Jim via remote rx Hungary
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
Pir	Pirayya via Priyom
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RL-HOL	Roberto Landolpho via remote rx Netherlands
RR2	Rich Ray, IL, USA
T101	RadiotekhnikaT101 via Priyom

## APPENDIX

### Designators

#### Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrids of analog and digital modes
M(C)	Morse code (Chinese)
P	QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

#### Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	G06, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

#### Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM10	Morse	?	



## Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

## Figures and words used by the various numbers stations

### Cut numbers

Several stations are using cut numbers. Often only the zero which is represented by the letter “T”.

M89 and M95 cut numbers    A   U   3   4   5   6   7   D   N   T  
    1   2   3   4   5   6   7   8   9   0

M08a cut numbers            A   N   D   U   W   R   I   G   M   T  
    1   2   3   4   5   6   7   8   9   0

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	.....	Năm	Fav	Pietiorka	Funuf	Fiver
6	— ....	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba   y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	— . . . .					

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . . .
Out	Out	Konets	

Note: M03 and M08a are defunct.

## Morse characters

A	. -	1	. ----	Full stop (period)	[ . ]	. - . - . -
B	- ...	2	.. ----	Comma	[ , ]	-- .. --
C	- . - .	3	... --	Colon	[ : ]	-- -- ...
D	- ..	4	.... -	Question mark	[ ? ]	.. -- ..
E	.	5	.....	Exclamation mark	[ ! ]	- . - . --
F	.. - .	6	- ....	Apostrophe	[ ' ]	. - - - - .
G	- - .	7	- - ...	Dash or Hyphen	[ - ]	- .... -
H	....	8	- - - .	Slash	[ / ]	- . . - .
I	..	9	- - - - .	Left-hand bracket	[ ( ]	- . -- .
J	. - - -	0	- - - - -	Right-hand bracket	[ ) ]	- . - - . -
K	- . -			Quotation marks	[ " " ]	. - . . - .
L	. - . .			Equals sign	[ BT = ]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[ + ]	. - . - .
O	- - -	Á	. - - . -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[ AS ]	. - . . .
Q	- - . -	É	. . - . .	End of Transmission	[ SK, VA ]	. . . - . -
R	. - .	Ö	- - - .	End of message	[ AR ]	. - . - .
S	...	Ü	. . - -	Starting signal		- . - . -
T	-			Multiplication sign	[ × ]	- . . -
U	.. -			At sign	[ @ ]	. - - . - .
V	... -			Break	[ BK ]	- . . . - . -
W	. - -			Ampersand	[ & ]	. - . . .
X	- . . -					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

## COLOPHON

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PRIYOM	<a href="http://priyom.org/">http://priyom.org/</a>
ENIGMA	<a href="http://www.signalshed.com/">http://www.signalshed.com/</a>
NUMBERS STATIONS SCHEDULES	<a href="http://priyom.org/number-stations/station-schedule">http://priyom.org/number-stations/station-schedule</a>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

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976 27364 92886 89428 61288 14982 36498 32764 81276 81  
986 40932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 70  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 1  
7591 87364 87265 96718 27638 12673 84769 28743 98127 5  
758 63298 75698 27465 87326 49876 28376 81273 98615 86  
67 87432 74328 78674 29867 32867 67867 86786 43276 486  
67 68768 68763 34234 34238 68768 62342 48273 48768 230  
736 98432 32432 86743 43286 43286 43286 43286 43286 432  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
751 86743 86743 86743 86743 86743 86743 86743 86743 86  
763 98798 98754 98754 98754 98754 29867 67543 67986 86  
76 87698 69876 87698 69876 87612 12341 34867 86798 652  
667 43298 65656 56756 56123 32143 14321 32143 14321 321  
68 87287 58765 76587 58765 76587 58765 76587 58756 765  
68743 76587 76587 76587 76587 76587 76587 76587 76587

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