

27364	92836	69428	61268	74982	46498	32764	31276
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 #291, December 2021

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

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

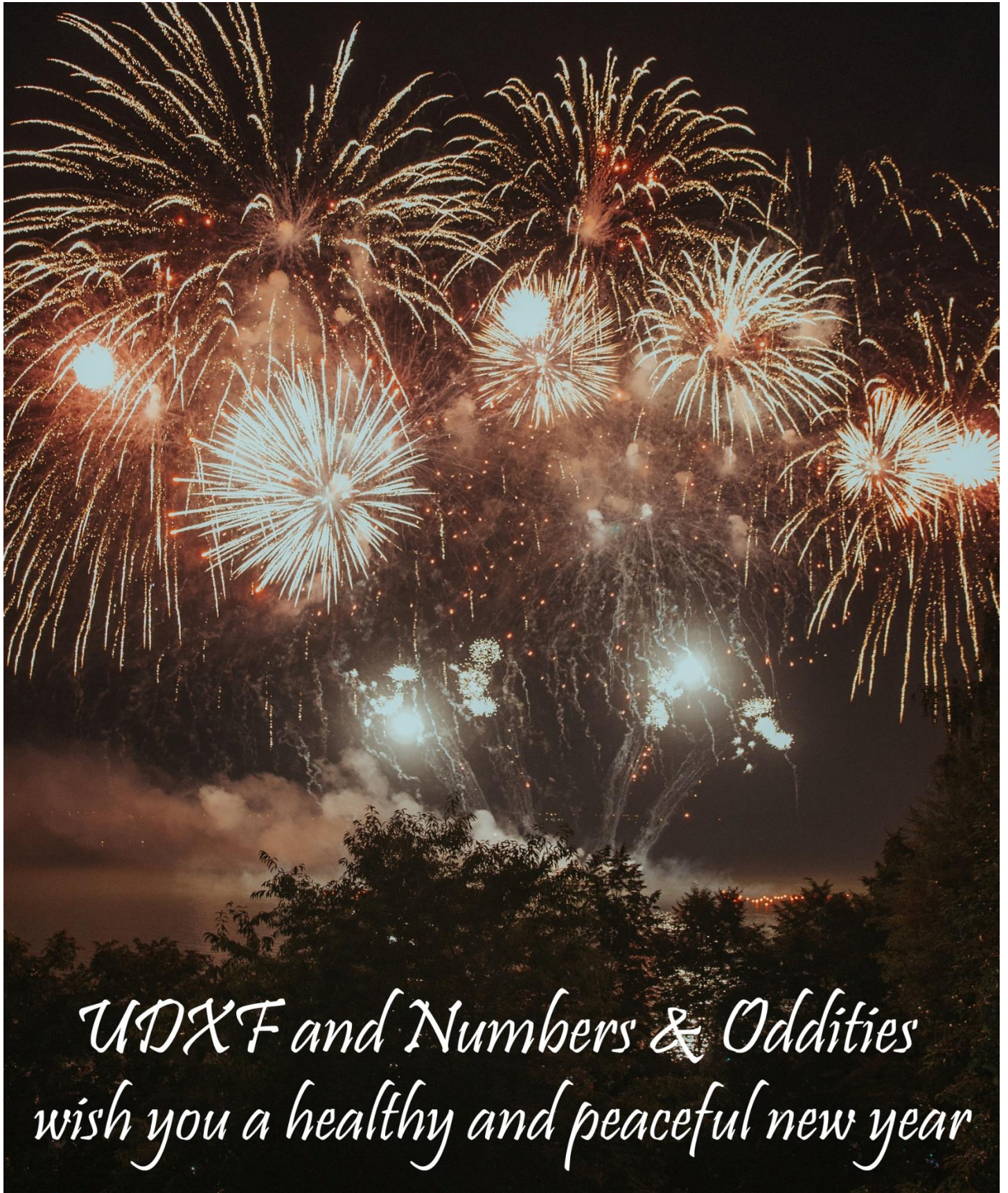
"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



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*UDXF and Numbers & Oddities
wish you a healthy and peaceful new year*

Photo by [Zuza Gałczyńska](#) on [Unsplash](#)

Gelukkige Nuwejaar
 Ilufio Ètussé
 Gëzuar Vitin E Ri
 E Glëckliches Nëies
 سعيد عام
 Հնրհաւոր Նոր Տարի
 Amokitanone
 Yeni Iliniz Mübarək
 Aw Ni San'kura
 Mbuee
 Urte Berri On
 3 Новым Годам
 Shuvo Noboborsho
 Asgwas Amegas
 Mbembe Mbu
 Nauka Sal Mubarak Hoe
 Bonne Année
 Sretna Nova Godina
 Bloavezh Mat
 Честита Нова Година
 རྒྱུ་ལྔ་ལྔ་ རྒྱུ་ལྔ་ལྔ་
 Sun Lin Fi Lok
 Bon Any Nou
 Malipayong Bag-Ong Tuig
 新年快乐
 Bledhen Nowedh Da
 Pace È Salute
 Sretna Nova Godina
 Šťastný Nový Rok
 Godt Nyttår
 Sale Naw Tabrik
 Mbu Mwa Bwam
 Gelukkig Nieuwjaar
 Happy New Year
 Feličan Novan Jaron
 Head Uut Aastat
 Efé Bé Dzogbenyui Nami
 Mbembe Mbu
 Bamba Mbou
 Gott Nýggjár
 Manigong Bagong Taon
 Onnellista Uutta Vuotta
 Gelukkig Nieuwjaar
 Kudo Xwe Yoyo
 Bonne Année
 Lokkich Neijier

Bon An
 Dioul Mo Wouri
 Feliz Ano Novo
 გილოცავთ ახალ წელს
 Frohes Neues Jahr
 Καλή Χρονιά
 Sal Mubarak
 Rogüerohory Año Nuévo-Re
 Bønn Ané
 Barka Da Sabuwar Shekara
 Hauoli Makahiki Hou
 הובש הנה
 Ombura Ombe Ombua
 Nav Varsh Ki Subhkamna
 Nyob Zoo Xyoo Tshiab
 Boldog Új Évet
 Gleðilegt Nýtt Ár
 Obi Anuri Nke Afor Ohuru
 Selamat Tahun Baru
 ▷▷▷ ۛۛۛ ۛۛۛۛۛۛ
 Ath Bhliain Faoi Mhaise
 Felice Anno Nuovo
 Sugeng Warsa Enggal
 あけまして おめでとう ございます
 Aseggas Ameggaz
 ಹೊಸ ವರ್ಷದ ಹಾರ್ದಿಕ ಶುಭಾಶಯಗಳು
 Nav Reh Mubarakh
 Zhana Zhiliniz Kutti Bolsin
 Sur Sdei Chhnam Thmei
 Ngethi Cya Mwaka Mweru
 Umwaka Mwiza
 Жаңы Жылыңыздар Менен
 새해 복 많이 받으세요
 Sala We Ya Nû Pîroz Be
 Mvhura Zompe Zongwa
 སེམས་ལྷན་པོ་ལྔ་
 Felix Sit Annus Novus
 Laimīgu Jauno Gadu
 Bón Ànno Nêuvo
 Bonana
 Laimingꞎ Naujuꞎ Metꞎ
 Gelükkig Nyjaar
 Omwaka Omulungi
 E Gudd Neit Joër
 Среќна Нова Година

Arahaba Tratry Ny Taona
 Selamat Tahun Baru
 Nava Varsha Ashamshagal
 Is-Sena T-Tajba
 Kia Porotu Te Ano Ou
 Kia Hari Te Tau Hou
 Navin Varshaachya Hardik
 Shubbheccha
 Kaoha Nui Tenei Ehua Hou
 Ose:Rase
 Шинэ Жилийн Баярын Мэнд Хvргэе
 Wënd Na Kô-D Yuum-Songo
 Umyaka Omucha Omuhle
 Naya Barsha Ko Subhakamana
 Ngeu' Shwi Pong Mbeo Paghe
 Boune Anna
 Godt Nyttår
 Bon Annada
 Subha Nababarsa
 Naya Sar Mubarak
 Ungil Beches Er Rak
 Bon Anja
 Nawe Kaalmo Mobarak Sha
 Gelukkig Nieu Jaar
 مبارك نو سال
 Szczęśliwego Nowego Roku
 Feliz Ano Novo
 ਨਵੇਂ ਸਾਲ ਦੀਆਂ ਵਧਾਈਆਂ
 Bun Di Bun Onn
 Baxtalo Nevo Bersh
 Un An Nou Fericit
 С Новым Годом
 Ia Manuia Le Tausaga Fou
 Luholâš Uđđâ Ive
 Buorre Ádâ Jagev
 Lihkolaš Ođđâ Jagi
 Leklvaz Ođđ Ee ´ jj
 Buerie Orre Jaepie
 Nzoni Fini Ngou
 Bonu Annu Nou
 Bliadhna Mhath Ur
 Срећна Нова Година
 Mwaha Mwema
 Goredzva Rakanaka
 Nain Saal Joon Wadhayoon
 ශ්‍රී ලංකා අප්‍රේමයෙන් සමඵල

Omaka T'etcha Kin Washte Kte Ni

Šťastný Nový Rok

Srečno Novo Leto

Dobir Leto

Sanad Wanagsan

Feliz Año Nuevo

Wan Bun Nyun Yari

Mwaka Mzuri

Gott Nytt År

Es Guets Nöis

Manigong Bagong Taon

Ia Orana I Te Matahiti Api

Соли Нав Муборак

Lhochharla Jyaba Danba

Assugas Amegaz

இனிய புத்தாண்டு நல்வாழ்த்துக்கள்

Yaña Yıl Belän

నూతన సంవత్సర శుభాకాంక్షలు

ສວັສດີປີໃໝ່

ལྷོ་ཁྲིམས་བདེ་ལེགས།

Sanat Farah Wa Khare

Tshidimu Tshilenga

Itumelele Ngwaga O Mosha

Posa Varshada Shubashaya

Yeni Yılınız Kutlu Olsun

Gluk In'n Tuk

Afehyla Pa

Vyl' Aren

Щасливого Нового Року

Naya Sal Mubarak

Yangi Yilingiz Qutlug' Bo'lsin

Chúc Mừng Năm Mới

Ene Boune Anéye

Blwyddyn Newydd Dda

Bon Lanné

Dewenati

Nyak'omtsha

א ג ו ז ח ט י

Eku Odun

Barka'n Da Djiri Tagio

Unyaka Omusha Omuhle

FOREWORD

Welcome to the final edition of 2021.

First of all:

Thank you all for your contributions and support to UDXF and Numbers & Oddities. A special THANK YOU to UDXF moderators Jim and Ron and to Paolo for maintaining the UDXF log files.

A lot has happened in the past year, good and bad things. No need to mention them here today, but one thing is for sure: COVID is here to stay. Let's hope that we will find a way to live with it without too much problems. On the bright side: We're lucky that we have a great, interesting hobby.

Last summer I sold my last analogue HF radio, a NRD-545 and got a new SDR. I now only have SDRs. I bought my first one ca 12 years ago, the well known Perseus. It is amazing how many different SDRs appeared on the market in the past few years. Loads of them. Because you see stations pop up when you are listening, I discover more signals than ever. I love it ! SDRs in combination with virtual cables offer many possibilities. It is easy to record automatically and you can connect your decoders via virtual cables. Below a small selection of the most popular SDRs plus operating software and cables.



ELAD / Perseus
RTL2832U Dongles

Airspy

Kiwi

Afredi

Funcube

RSP1A, RSPduo

Winradio

Nooelec

<https://www.eladit.com/>
<https://www.rtl-sdr.com/tag/rtl-sdr-blog/>
<https://airspy.com/>
<http://kiwisdr.com/>
<https://www.afedri-sdr.com/>
<http://www.funcubedongle.com/>
<https://www.sdrplay.com/>
<https://www.winradio.com/>
<https://www.nooelec.com/>

Operating software

HSDR

SDR Console

SDR# (SDR Sharp)

<https://www.hdsdr.de/>
<https://www.sdr-radio.com/>
<https://airspy.com/?download=3130>

Virtual cables

Virtual Audio Cable

VB-Audio Software

<https://vac.muzychenko.net/en/>
<https://vb-audio.com/Cable/>



New designators:

G06b for G06 transmissions with preambles that include a 5-figure group. Example: 975 **45218** 125 30
 The standard preamble format is 3FG 3FG xFG (depending of the number of groups).

X06d for X06 one-tone transmissions. These are usually sent in CW.

We found two new XPA2 schedules that sent 900+ groups messages. Some of the interesting F06 00000 schedules continued in December but eventually disappeared. Both the XPA2 and F06 00000 schedules are most probably Russian training broadcasts. Apart from these we also copied unscheduled G06b, E06b, M14 and numerous transmissions in various digital modes, including a new mode.

The Russian-Ukrainian radio war still continues with daily many hours of appalling insults and anti Russia propaganda.

VOICE STATIONS

E06

14575/17420 kHz, 02-12/03-12, 0600/0700 UTC

923 164 50
 18560 97835 28211 78965 45435 08583 49233 88319 44191 57117
 71456 25984 09297 86763 41351 89145 20402 53068 98154 56489
 58419 72970 63444 95349 32249 27181 96817 58863 58342 26738
 72376 87141 60277 79644 55696 10877 80545 18549 85976 80823
 21733 75398 93050 71608 59282 14004 03943 33278 93024 56443
 164 50 00000

14575/17420 kHz, 16-12/17-12, 0600/0700 UTC

923 641 50
 67791 85078 79330 26135 81090 61718 24881 19753 09043 53423
 06312 57357 28914 09976 64796 77121 08090 25893 35885 46613
 08511 06364 97935 94705 34959 52420 16734 28437 88127 70043
 09752 48018 08413 32871 78456 02179 21367 53214 82140 51025
 20753 41064 51680 28603 50122 55763 66681 22365 68880 80051
 641 50 00000

10755 kHz, 17-12, 1201 UTC. Several restarts during the first message

975 (R) 038 26
 49576 63374 79720 03804 88947 28065 64514 46319 38467 56373
 64577 13154 89749 45892 40509 48467 14389 58581 97002 24201
 99530 17340 59467 96975 51106 40963
 038 26
 975 (R) 824 30
 33668 74822 95181 38570 31870 47063 26106 59676 59176 39258
 99286 56037 40435 78651 40955 83881 57145 49573 31915 18004
 12175 85766 12933 97469 51993 50316 28117 61250 38613 64107
 824 30 00000

Recording: <http://numbersoddities.nl/E06-2msgs-2021-12-17-1200z-10755khz.mp3>

Group Count Cycle net
14654/12177 kHz, 02-12/03-12, 0300/0400 UTC

361 579 46
 97534 22849 82672 32344 80000 72304 16648 41106 45084 38383
 21734 96930 60855 23814 98461 11927 10093 28696 53353 23851
 82343 79543 87902 59778 85998 58431 88046 02207 72582 93175
 18816 81041 90435 94482 53840 39902 09969 51016 94414 50175
 87703 18303 57795 71265 61256 62427
 579 46 00000

14654/12177 kHz, 19-12/10-12, 0300/0400 UTC

361 208 47
96704 65510 31760 40376 26454 77718 92829 59441 58233 58245
00395 05808 52215 36052 14767 33552 16347 13745 38306 76126
01171 35415 23372 29877 36143 61995 17876 25544 05903 46332
09365 92441 89905 25147 53581 45001 13892 70075 98431 46359
86592 64985 39300 28692 20135 01744 66655
208 47 00000

14654/12177 kHz, 16-12/17-12, 0300/0400 UTC

361 975 48
19102 12515 14561 81657 36279 04015 35590 81703 97235 43585
63138 46723 52778 43726 27060 37787 42212 45765 32989 53050
81299 28393 48777 78730 10864 19432 07059 20640 48223 21750
78600 89726 08641 89285 96155 40058 88991 14101 33481 82680
30814 10406 69225 23800 04949 06500 90362 00708
975 48 00000

14654/12177 kHz, 23-12/24-12, 0300/0400 UTC

361 280 49
93738 95095 32519 37008 92234 86897 50919 39931 31292 53507
86198 55494 45075 02934 39306 68004 27943 46110 35590 32600
72555 06168 64906 44530 60024 87963 22994 14789 81810 06293
46306 13023 98039 96236 57490 63670 61937 54073 63693 06261
65062 82193 74897 55802 83023 36460 34447 24216 26384
280 49 00000

No transmissions on 30 and 31 December. Public Holiday

9382/13426 kHz, 06-12/07-12, 0210/0310 UTC

537 861 34
31938 45517 73315 17324 14909 77885 29666 06278 69035 62004
51195 86081 66253 26086 96620 13581 82064 79059 42687 08018
65305 03164 65898 53451 18949 01721 00128 80554 77885 31772
18548 70006 94606 76265
861 34 00000

9382/13426 kHz, 13-12/14-12, 0210/0310 UTC

537 920 35
32492 13630 48306 02993 89695 48377 86687 23100 56138 34643
10845 20805 93231 82781 64022 44731 81081 53263 23259 28481
04765 31792 93713 56034 50071 51787 39816 11228 19661 18909
26664 78509 05569 17330 70113
920 35 00000

9382/13426 kHz, 20-12/21-12, 0210/0310 UTC

537 148 36
81058 54481 20571 68866 39454 62278 72540 63074 29475 43139
09830 10432 50785 72216 67345 56243 58791 45947 99331 06957
36876 11987 72747 15800 18343 47665 03320 81798 75250 72922
63963 10611 16333 08650 20245 10615
148 36 00000

9382/13426 kHz, 27-12/28-12, 0210/0310 UTC

537 629 37
74384 93167 43277 23760 45585 25514 72964 43115 52720 91789
51385 40653 18662 68149 43283 34896 85031 82684 64080 52830
11135 28886 40976 04159 89030 59685 76883 69729 29377 35493
84382 40055 97790 24683 81880 64860 06357
629 37 00000

E06b

11073 kHz, 13-12, 1520 UTC

352 46897 (R5)

867 40

99164 21567 02776 83860 34612 90714 86499 84488 08238 13534
85274 57898 53735 37077 02304 34833 73427 90997 51069 83749
89846 64206 32349 64670 58743 88653 46886 61256 73205 78677
85878 02043 13577 99359 66502 06769 22871 62316 04634 18749
867 40 00000

E07

6771/5871/4571 kHz, 01-12/05-12, 1800/1820/1840 UTC

785 785 785 1 6485 137 6485 137

80634 90980 05543 82271 46060 42043 02217 43373 29040 13624
33946 60373 83372 89198 98961 22363 31787 82368 26837 37125
63563 63734 91933 11833 28961 65542 86998 63005 09957 16395
17732 97218 57681 73371 75330 96065 89814 50594 94636 68482
71851 10136 30586 17199 44236 69409 34800 73109 58920 12912
07783 06694 39861 56387 41384 15400 60045 49034 92126 98332
43800 28801 15025 81914 84325 12376 89084 20783 26633 93905
59134 54323 76017 10135 24428 75502 32427 44248 89157 37488
36749 76542 22140 47939 15848 52590 42366 02241 99116 48995
28087 76775 93775 31407 17158 55573 75579 93863 14721 49423
07900 13889 73641 54462 46884 12662 24433 14371 87864 46195
65103 15479 71199 60177 77532 60569 74532 79538 66244 62793
32000 41649 92034 82709 42686 85184 45967 36704 90971 93326
36850 64998 96321 68092 41349 72717 74770 000 000

10226/9226/8126 kHz, 02-12/04-12/09-12/11-12, 1410/1430/1450 UTC

674 674 674 1 6039 75 6039 75

21580 17465 94319 27885 91384 47632 30521 36762 14505 17209
85829 87503 01744 38152 36370 82122 23830 89861 16174 25112
66024 98760 24503 79238 20047 90886 56466 29194 62028 06476
82437 07837 22108 36496 54813 02117 37698 09039 58421 17634
14047 72642 39709 47912 81218 92317 02394 27676 66483 37977
62986 31916 86259 02384 92363 13406 34998 72282 71482 01646
23033 10641 20094 61170 28623 94028 19519 02527 90996 78441
86855 81032 83757 86358 24556 000 000

14364/14964/15964 kHz, 03-12, 0700/0720/0740 UTC

399 399 399 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

9143/8143/7643 kHz, 04-12/11-12, 1400/1435/1510 UTC

116 116 116 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

9326/10426/11526 kHz, 05-12/12-12, 0700/0735/0810 UTC

345 345 345 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 67629 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

14364/14964/15964 kHz, 14-12/17-12, 0700/0720/0740 UTC

399 399 399 1 675 39 674 39
03202 39478 48256 72471 72428 36917 46939 65462 19446 91877
35054 36086 33558 44541 98259 25086 80045 66890 38263 27175
12702 83897 28264 70005 06826 77611 61544 89732 43568 79552
74957 45887 92596 22322 96483 66139 68406 66716 86609 000 000

6771/5871/4571 kHz, 15-12/19-12, 1800/1820/1840 UTC

785 785 785 1 711 88 711 88
39737 01912 40096 10896 92697 91591 65874 80514 71639 55245
97922 92212 62924 68901 27505 79816 22054 68034 93487 85782
72764 30799 86867 38839 31790 25605 46750 86985 01121 83427
21104 53785 51938 65058 56353 50258 57323 29720 51013 20158
87904 22527 34587 02280 99736 97573 89705 88967 55991 37122
66708 18998 42262 46525 62085 63371 52191 30806 87939 62626
62327 14870 25990 87692 31861 14439 95590 73222 22661 28287
73129 13203 57918 20756 19010 40619 21911 40038 38319 91325
96590 79053 05700 34900 99854 30750 09131 95260 000 000

E11a**7469 kHz, 01-12, 0930 UTC**

278/33 Attention
01327 28582 77482 54150 46024 28788 82553 37292 91562 83371
12265 25016 61320 00569 94256 91982 15943 48427 34702 73925
39085 23500 43707 55613 37598 17560 79840 14671 93398 13878
89701 17488 70710
Attention (message repeated) Out

4505 kHz, 01-12/04-12, 1910 UTC

399/40 Attention
71772 49204 45132 81955 42378 40346 19683 87774 17773 94617
45574 29022 51937 89094 24955 35407 55277 63082 75377 01045
67858 67946 12273 73740 83035 22331 42185 46875 83515 33653
66341 45696 05993 91445 24024 54333 48574 59083 15352 94929
Attention (message repeated) Out

7469 kHz, 02-12, 0930 UTC

278/33 Attention
01327 28582 77482 54150 46024 28788 82553 37292 91562 83371
12265 25016 61320 00569 94256 91982 15943 48427 34702 73925
39085 23500 43707 55613 37598 17560 79840 14671 93398 13878
89701 17488 70710
Attention (message repeated) Out

5082 kHz, 02-12/05-12, 1330 UTC

524/38 Attention
58168 04123 77085 12319 12757 28234 55414 37452 88617 06144
32677 22917 46470 51600 96429 90238 86952 13124 81732 00862
35406 79902 91107 66128 65424 98125 05388 79060 98142 68742
42141 30028 31226 79297 43862 95246 24020 67435
Attention (message repeated)

6849 kHz, 03-12/05-12, 1815 UTC

921/32 Attention
83243 40966 01370 74576 78684 37795 59101 33844 28044 20188
64277 81781 83948 91476 51378 33951 94236 37212 55642 20379
68333 51161 35885 45210 93152 27448 56415 11183 77644 11101
84017 92461
Attention (message repeated) Out

14940 kHz, 06-12/10-12, 0830 UTC

184/34 Attention

67242 46548 71320 80509 97675 79884 41924 08100 67392 48389
56992 39765 62584 91785 97411 73597 34421 82134 13811 06682
00035 65309 57714 34175 64603 19696 13872 54463 92613 27811
01838 95578 29945 37387

Attention (message repeated) Out

4909 kHz, 06-12/09-12, 1300 UTC

311/34 Attention

97968 65073 76543 52938 69281 80266 14419 22900 71393 78129
26091 43151 02863 90854 19631 11070 95108 39200 99792 80715
95495 11028 18145 13576 07062 51730 45635 56314 05268 13659
25802 18327 38640 18476

Attention (message repeated) Out

6849 kHz, 06-12/09-12, 1900 UTC

644/39 Attention

88479 41789 77172 80747 03994 21237 44121 58037 35847 33289
20045 32888 36487 05763 36504 43221 55028 49755 94409 43252
89589 71292 91150 53698 27837 48927 95966 48639 48985 76560
10951 14614 85500 86837 39821 37832 35409 05564 07699

Attention (message repeated) Out

7840 kHz, 07-12, 0645 UTC

518/35 Attention

28423 00764 28581 57119 91179 64767 09183 43760 63296 52115
59139 41173 82186 65447 23138 66741 47391 12482 79836 25163
73621 70044 98690 52754 54365 50628 11641 70474 86200 20835
07175 88729 80727 77117 28525

Attention (message repeated) Out

6804 kHz, 07-12/10-12, 0700 UTC

571/34 Attention

29533 44940 29645 43364 12193 19783 85201 38697 53772 61396
27877 56970 83630 37363 03783 91492 97336 06957 08373 14776
45441 80749 86510 35398 55155 09605 07167 88987 43841 60562
57946 75330 45806 83256

Attention (message repeated) Out

5432 kHz, 07-12/12-12, 1605 UTC

238/35 Attention

98866 55042 27355 88903 66521 49328 98207 91452 32493 28242
19480 25468 15215 24805 49285 85983 17208 76932 39910 15748
31524 25315 54840 15132 84838 01562 36616 27734 60549 90241
46861 35926 10618 63502 44564

Attention (message repeated) Out

5082 kHz, 08-12/10-12, 1715 UTC

975/30 Attention

97688 53879 21266 95798 46677 35832 74026 63910 10147 08341
50865 16683 90529 61998 71381 99854 52937 71405 24478 46031
11102 46425 45200 68067 97157 26169 19408 54913 31827 58334

Attention (message repeated) Out

7984 kHz, 13-12/15-12, 1045 UTC

693/32 Attention

32967 49145 46470 29771 02194 02618 99620 12891 78053 17863
76262 29311 58209 42730 77962 15881 41566 93589 72305 53798
31457 19689 70481 91711 13537 30551 64432 46410 01710 79768
91810 79714

Attention (message repeated) Out

12924 kHz, 13-12/19-12, 1745 UTC

248/32 Attention

42423 29718 31984 51399 18340 22418 04886 54901 86416 10422
82151 25332 63545 52217 70932 86329 03576 98761 97573 37621
75248 11596 04864 69190 22363 74968 81143 05641 82538 12867
66298 60151

Attention (message repeated) Out

12089 kHz, 14-12/16-12, 0845 UTC

156/32 Attention

75656 30724 69483 87500 91722 99602 29106 61683 50256 16544
81379 21360 03561 56130 89621 66703 33130 73675 21428 42356
09792 43494 41824 77669 28534 21538 42144 38335 36585 18231
46823 58422

Attention (message repeated) Out

9079 kHz, 14-12, 1000 UTC

302/35 Attention

53601 61363 98980 14738 29189 88595 00356 98148 97726 85337
90039 62386 15838 62039 73200 73535 09539 05528 89746 01749
25212 87252 50760 90647 77264 60484 40382 48954 00778 08677
35547 38236 43313 37878 17904

Attention (message repeated) Out

7850 kHz, 17-12/20-12, 0600 UTC

351/31 Attention

49559 72567 21551 67235 71149 10010 55618 08780 22090 44001
52227 45514 98195 06723 40086 74396 26222 03877 90504 22113
48733 59106 53813 92908 73877 86207 00714 96939 63585 68752
36666

Attention (message repeated) Out

10487 kHz, 17-12, 1910 UTC

611/35 Attention

48477 61144 71858 90821 30625 66841 10762 17785 67910 14160
25850 17779 32293 83849 80735 35527 51840 63650 50267 15892
43344 71301 74736 86963 84788 41225 19003 94645 95366 82412
20138 40969 29434 65670 20573

Attention (message repeated) Out

4909 kHz, 18-12/19-12, 1530 UTC

365/33 Attention

10920 27396 81372 83853 44123 42175 69347 80781 74866 30351
61681 72697 93219 05479 36637 88879 25776 62432 80697 44758
21690 33280 59451 79013 83748 70909 47941 82927 51228 55562
02841 94576 93089

Attention (message repeated) Out

16005 kHz, 20-12/22-12, 0640 UTC

945/39 Attention

31369 98306 22218 03368 47636 70438 89537 35616 33656 93898
55944 75770 41032 60893 65190 92289 38061 87790 57273 19073
93954 68087 03363 50777 40617 08284 51305 38053 85204 01426
57186 21895 66957 78828 42432 48955 12220 11636 80245

Attention (message repeated) Out

11104 kHz, 20-12/22-12, 0715 UTC

751/33 Attention

99777 53630 84924 44768 77814 73360 20253 15075 86415 59877
90905 77340 54356 47074 02641 26518 62123 23063 18008 94699
46182 40132 38383 54974 20018 36462 98024 63114 91666 55274
33246 82994 11030

Attention (message repeated) Out

10213 kHz, 20-12, 0745 UTC / 5409 kHz, 23-12, 1530 UTC

267/40 Attention

37081 70223 39595 50558 19169 48239 45005 88963 40725 84803
72574 12171 10158 69036 86660 63042 85609 17407 85557 82364
89140 70357 07451 76193 79679 51932 26065 10494 97551 70009
03211 98663 43610 22840 81134 78465 14194 66542 11334 21389
Attention (message repeated) Out

11092 kHz, 20-12/22-12, 0900 UTC

533/34 Attention

55718 12836 41475 78500 31596 16778 61068 47882 79693 79425
62745 19618 82859 98611 97591 47233 69325 10002 93672 75002
67723 86843 62985 66798 40582 39498 37978 76969 67557 61786
62674 07317 05205 28405
Attention (message repeated) Out

9130 kHz, 21-12, 0715 UTC

633/33 Attention

45480 87020 31542 10502 28478 62211 60063 98413 66309 10030
98073 99457 03441 86509 79020 28647 32629 98975 53061 57695
35088 49265 71960 37658 91695 67048 51063 22116 57786 55210
35435 32360 47861
Attention (message repeated) Out

13908 kHz, 21-12/23-12, 0745 UTC

225/34 Attention

60373 40315 95047 45918 22716 92576 68747 09133 79410 82522
63069 90115 22205 03911 25950 85540 01279 24529 01995 67121
03391 92067 47389 39242 98362 45874 32257 61362 47197 62135
38835 86424 52148 27814
Attention (message repeated) Out

14611 kHz, 21-12/22-12, 0820 UTC

133/40 Attention

55729 92708 91440 48048 51175 56748 91146 58959 22197 34908
32741 66427 14641 12151 97412 20644 16015 15037 77139 02977
22533 48253 24733 88595 13725 90003 19292 66147 26559 56005
88267 65082 35296 64240 00785 02830 33535 86197 70363 12171
Attention (message repeated) Out

13363 kHz, 21-12/25-12, 1430 UTC

912/31 Attention

43710 38175 24880 56865 73077 71839 29093 63691 87445 14979
71547 26989 59717 30358 59757 26972 72148 71273 90489 34803
74961 67253 51498 73246 05958 33610 14270 01116 74394 01926
59031
Attention (message repeated) Out

9130 kHz, 24-12, 0715 UTC

633/33 Attention

45480 87020 31542 10502 28478 62211 60063 98413 66309 10030
98073 99457 03551 86509 79020 28647 32629 98975 53061 57695
35088 49265 71960 37658 81695 67048 51063 22116 57786 55210
35435 32360 47861
Attention (message repeated) Out

5371 kHz, 25-12/26-12, 0730 UTC

495/39 Attention

08745 53296 01132 14281 53839 98115 57102 52212 46517 54136
00728 74616 89057 57416 17451 62200 01899 39550 80628 70123
89973 96212 23508 07994 86970 52175 83413 05514 00902 40770
15162 43464 23844 64862 70620 79273 17980 10735 69220
Attention (message repeated) Out

4909 kHz, 27-12/30-12, 0450 UTC

412/40 Attention

12846 05399 15130 19998 49940 83534 62053 14374 72887 14728
36032 48846 37124 92578 94878 00748 73133 54400 19824 19096
01205 70237 26528 99800 74957 24310 02733 45898 73461 56885
26120 05043 87018 03740 49913 48747 72034 32606 80270 60265

Attention (message repeated) Out

12067 kHz, 27-12/29-12, 0845 UTC

714/37 Attention

14950 02532 80342 27277 71847 52616 09377 20820 05495 67019
70072 89771 14778 17995 45811 98206 44914 96495 76941 09241
29824 28937 77950 19480 43969 63409 30735 91670 17640 12806
50926 14888 52679 04679 12729 15972 14235

Attention (message repeated) Out

6433 kHz, 28-12/29-12, 1205 UTC

463/40 Attention

20540 21194 90406 30131 83428 92189 50827 32594 22976 42788
39893 00342 05400 57119 15479 13451 27216 22738 12442 72505
64551 61746 49339 17459 47357 56103 75000 68005 79437 38451
56130 53503 94070 24401 03809 79878 52900 85849 88110 53366

Attention (message repeated) Out

9052 kHz, 29-12/30-12, 0315 UTC

255/31 Attention

31828 09344 99622 88019 80565 04041 48827 92954 21517 92504
18335 83576 16762 80829 70342 21304 63010 81337 43297 99167
40563 50036 69114 06209 59577 74976 14401 54664 11844 23350
56539

Attention (message repeated) Out

17378 kHz, 29-12/31-12, 0745 UTC

340/39 Attention

65723 27200 33972 97221 96105 99339 20254 64493 28080 91316
40632 00789 98729 87051 74534 33618 89077 04502 95671 52287
19303 12785 52434 82114 19072 52255 10568 93889 42422 44338
40625 35337 34276 79000 93141 12696 18889 65653 00932

Attention (message repeated) Out

5149 kHz, 30-12/31-12, 0820 UTC

438/33 Attention

27329 99221 83297 41061 89994 75791 24180 98749 33084 59076
12218 41551 22001 64269 88918 76587 87012 73662 90938 19616
63334 95308 77979 02705 39051 52762 81631 30352 42266 92909
85669 10583 34877

Attention (message repeated) Out

E17z**11170/9820 kHz, 02-12/09-12, 0800/0810 UTC**

217 980 5 40614 77249 40678 17987 20597 980 5 00000

11170/9820 kHz, 16-12, 0800/0810 UTC

217 489 5 37184 36129 33983 83321 85246 489 5 00000

11170/9820 kHz, 30-12, 0800/0810 UTC

217 217 217 00000

G06

11073 kHz, 05-12, 1222 UTC. Several restarts during the transmission

352 968 20
83362 63371 38776 63251 01033 82709 58680 20146 78900 71736
65821 83760 25880 97939 87269 12571 24948 04215 52502 04038
968 20
352 147 30
88609 20855 34428 67566 02323 59910 84395 02084 54443 98962
75712 57980 25714 90334 88031 98737 34592 06558 60263 75134
91098 53384 74359 37913 28895 73900 94656 28273 26517 98452
147 30 00000

G06b

10755 kHz, 13-12, 1310 UTC. Several restarts during the transmission

975 45218 125 30
56511 53052 06895 27520 91362 57346 62062 89338 17746 12716
41228 21985 91670 68117 08754 20375 27827 72573 62582 13182
39773 19824 76169 66516 27085 72837 14815 59190 20416 07866
125 30 00000

S06

10755 kHz, 15-12, 0930 UTC. Several restarts during the transmission

975 341 60
62294 78392 56764 22918 74610 09880 56208 92577 97114 53494
30046 42061 53340 15258 25164 64670 79096 95778 27385 78447
84303 18170 94828 61771 74692 55291 87869 71850 88049 29745
62849 82077 24705 85059 21760 99157 76949 51503 35058 45963
87055 54965 79825 21053 88605 42340 60434 70781 10809 21856
03931 34947 50490 41775 47311 51916 41447 55919 58872 34152
341 60 00000

Pacific report

11616/9322 kHz, 20-12, 0400/0420 UTC

480 232 50
17833 57959 99134 33281 98114 31584 64403 75727 92730 25864
88207 88693 86955 42308 88724 41262 92199 42922 75765 56392
67754 21694 81946 85515 87557 07179 19348 10586 44168 51111
66345 97002 07135 88996 14313 45850 77941 83613 28871 18888
08735 87355 05370 34744 76990 84370 23305 59720 33346 98410
232 50 00000

11616/9322 kHz, 21-12, 0400/0420 UTC

480 171 52
81181 71242 93285 92888 16275 77265 13591 32368 38488 87724
39321 10521 88383 90955 14771 36883 28940 53388 04780 74102
40662 88851 10009 58078 41009 49459 90128 57647 01576 05271
30853 53504 61464 04900 15762 41058 60288 34278 88839 86891
39239 15742 18682 93526 83657 14647 00294 52178 05549 45678
55428 88181
171 52 00000

11616/9322 kHz, 22-12, 0400/0420 UTC

480 926 50
96297 01539 23410 36987 80492 73718 31237 65369 41590 39866
89000 07957 16632 91898 64850 23339 62799 11903 25052 97028
53533 71446 24295 61718 23567 75516 19133 33265 92577 99525
46766 73322 22138 92824 36336 14585 85659 47146 44931 09562
56006 53444 35485 88816 40471 95529 38759 39630 17812 53980
926 50 00000

11616/9322 kHz, 23-12, 0400/0420 UTC

480 173 64
35731 05993 12387 66770 10751 15879 17295 76423 23149 91398
26903 06275 90346 61530 70447 99259 85784 62304 47194 22294
71952 20684 39596 00790 16709 54950 08959 65772 72603 90030
65824 74519 23863 11200 32248 90689 30749 04602 38148 34853
25962 58027 18935 41364 42783 20378 06596 82533 79643 43264
31419 46006 30810 53164 76553 76315 37864 27592 52589 16523
41674 73701 84342 10898
173 64 00000

11616/9322 kHz, 24-12, 0400/0420 UTC

480 292 50
12588 05576 80680 79633 79434 68216 08870 60238 04505 22435
17552 57922 95815 51160 90617 13292 39237 52920 51567 73231
85044 93342 64808 17093 87612 72387 15551 69951 70448 18239
23008 97363 53731 43792 86593 45070 94575 26676 29780 82072
71174 98750 91331 74533 51031 56011 18585 70924 10464 _____
292 50 00000

11616/9322 kHz, 27-12/28-12, 0400/0420 UTC. A repeat is very unusual

480 327 56
42388 33572 05440 26262 71631 98827 31888 84277 15081 05484
25002 12968 93954 76108 55011 25469 58884 63545 59545 52000
46283 51493 40285 91852 82074 91905 43690 85796 87469 52639
93000 44836 66490 73794 63696 96247 79910 56188 19599 32844
35314 30387 51804 76388 47951 79752 87638 91123 52087 15920
61817 08320 67525 30160 67002 47801
327 56 00000

11616/9322 kHz, 29-12, 0400/0420 UTC. Repeated by M14 at 0500/0520z

480 863 51
49939 84105 88680 28851 83981 95004 71918 15209 98912 47002
26722 03842 17804 33263 82959 39291 14304 51784 54423 84532
48394 02949 20340 97297 91707 34828 45652 00227 22071 34681
32259 05816 91985 90081 18399 82087 00711 68113 68364 69913
24660 86063 19739 87945 85771 72060 80335 86072 62567 39096
92038
863 51 00000

11616/9322 kHz, 30-12, 0400/0420 UTC

480 132 54
90773 06702 01221 26465 32151 64076 97068 33269 17581 16155
21473 72135 80028 88391 79811 35458 83969 90735 34702 75645
63102 24951 36336 25573 66359 33433 60346 56640 91912 87977
45369 35349 13853 41920 47511 64364 31229 94093 53886 18987
94141 38045 22435 14962 86574 94935 40189 68585 70649 53576
17194 35030 21999 66023
132 54 00000

Group Count Cycle net

17435/14375 kHz, 02-12/03-12, 0830/0930 UTC

842 167 45
78779 20913 00896 56498 83491 41018 54746 45412 91493 23868
11621 84984 75813 29989 26073 82631 21742 01928 66284 31484
31053 04093 07004 43836 32958 96280 90942 26864 06484 64335
75810 86581 43975 56372 09192 70944 10384 98006 98436 88058
78053 85023 67755 60425 41685
167 45 00000

17435/14375 kHz, 09-12/10-12, 0830/0930 UTC

842 953 46
91866 91839 56011 74602 62195 28263 98652 73520 00873 19714
34400 85665 33218 62487 68253 28583 84727 47909 51050 02538
62074 11082 41964 96734 52957 73868 42191 51495 05732 86811
23258 93574 74764 99652 98407 86822 42452 15167 10484 65346
53829 05969 34753 41400 24722 99012
953 46 00000

17435/14375 kHz, 16-12/17-12, 0830/0930 UTC

842 610 47
14870 13908 01425 01176 38327 78868 94590 58720 34128 45838
07069 98218 61996 61169 84265 89947 64490 68579 74438 98503
56178 73797 45655 36368 35181 21018 61836 12873 71765 54618
85072 14517 53675 64557 96392 77566 92885 38914 52175 38882
23476 71983 18403 75899 45298 01379 49920
610 47 00000

17435/14375 kHz, 23-12/24-12, 0830/0930 UTC

842 753 48
78985 88740 26415 27962 69966 18236 10412 48416 63935 93351
46242 98257 13767 81467 60819 37131 18050 52362 62194 76064
60805 45542 19942 98165 08716 25166 83541 69258 58074 83504
43428 61905 48614 78876 64409 41237 86432 18989 46135 86041
43179 25633 90301 43541 23697 41654 79281 41304
753 48 00000

No transmissions on 30 and 31 December. Public holiday

S06c

13409 kHz, 07-12, 1045 UTC 11064 (R)

S06s

172 schedule 11535/11830 kHz at 0830/0840 UTC was sent on 2 and 9 December, then disappeared. After that it started sending null messages on various times and frequencies. This is a known behaviour. Last noted in February 2021.

12220 kHz, 16-12, 0910 UTC	172 172 172 00000
13375 kHz, 16-12, 0920 UTC	172 172 172 00000
9921 kHz, 30-12, 0830 UTC	172 172 172 00000
9379 kHz, 30-12, 0840 UTC	172 172 172 00000
9379 kHz, 30-12, 0850 UTC	172 172 172 00000
12142 kHz, 30-12, 0900 UTC	172 172 172 00000
13375 kHz, 30-12, 0910 UTC	172 172 172 00000
13875 kHz, 30-12, 0920 UTC	172 172 172 00000
14986 kHz, 30-12, 0930 UTC	172 172 172 00000

8102 kHz, 07-12, 1020 UTC

429/31 Vnimanije

29388 75519 17629 50530 38867 06552 13643 63838 36753 46255
16799 02870 42527 90060 33484 62556 57767 08495 17678 32192
95620 60105 86149 46676 14457 39655 70367 68321 45945 49056
07693

Vnimanije (message repeated) Konets

6252 kHz, 10-12, 0915 UTC

483/32 Vnimanije

77694 80037 99142 68614 23395 60768 06900 73995 04939 33436
86038 39894 32512 27299 42199 49481 00050 20957 03908 45979
09515 14615 77274 06032 76413 85922 17814 12139 16892 71980
56848 48723

Vnimanije (message repeated) Out

5371 kHz, 11-12/12-12, 0830 UTC

377/37 Vnimanije

94298 42765 53723 87833 52537 92678 90713 90446 59445 89838
97235 33473 50819 02525 12320 14652 56874 96686 98640 42865
02881 09537 77585 05889 92600 85002 21045 32536 11221 82640
82877 24173 42435 23794 30904 06323 43942

Vnimanije (message repeated) Konets

9050 kHz, 13-12/16-12, 0700 UTC

479/38 Vnimanije

75882 95232 84933 87342 31774 68866 12344 54464 98345 67788
66791 29168 40445 98176 73574 38497 49792 17965 53374 36836
00243 62237 68179 84794 17295 92042 10724 68412 64480 13732
54591 83637 07218 33900 97930 77766 37870 81741

Vnimanije (message repeated) Konets

12530 kHz, 14-12/16-12, 0500 UTC

381/39 Vnimanije

52592 49916 85300 66639 68512 70272 25659 00014 94494 64503
89061 89288 88435 74343 51207 45017 92345 45966 50836 83449
20608 24447 48885 83095 77484 25454 02836 64331 05552 53628
99889 15103 98227 90478 63899 61025 25899 73557 19242

Vnimanije (message repeated) Konets

8102 kHz, 14-12/17-12, 1020 UTC. Unusual 53 groups message

423/53 Vnimanije

45223 86310 81846 73578 96406 79812 54341 31715 87812 69984
61639 70239 95014 13722 23647 03142 43106 77092 41436 79203
01275 20111 28563 57715 68374 30273 10051 30788 51089 33161
20024 24778 60294 71166 61202 04208 85629 64434 45993 45759
22408 41464 58002 11388 41029 67261 86515 50566 52912 88546
51063 53799 82281

Vnimanije (message repeated) Konets

Recording: <http://www.numbersoddities.nl/S11a%202021-12-14-1020utc-53groups.mp3>**9057 kHz, 20-12/22-12, 0510 UTC**

650/32 Vnimanije

96762 54522 15400 47959 20622 73509 14215 54278 23511 41889
86439 04041 93040 74575 95194 49236 28908 82310 74461 35399
84530 44169 76128 96608 83479 06848 45317 73190 31793 52192
42919 28314

Vnimanije (message repeated) Konets

11486 kHz, 22-12/25-12, 1850 UTC

284/31 Vnimanaye

69260 30713 37260 81913 61058 55642 52308 25742 10231 33249
68710 48599 25213 87458 69655 74770 94100 74610 04018 12043
37924 46565 77140 28189 11874 44661 56356 33988 53744 04764
58627

Vnimanaye (message repeated) Konets

V07

10194 kHz, 05-12, 0140 UTC

571 571 571 1 6168 126 6168 126

89767 71737 82890 66060 36326 70303 16761 07450 27031 89946
65174 21077 64724 67330 50225 15461 00878 41462 60267 32249
41276 66635 86238 04442 48676 13415 62097 08524 93033 84488
74249 97828 55343 74161 87357 25737 62800 92502 70517 82537
41726 23203 25738 81394 24474 62260 20179 75138 06769 21795
92267 41011 50374 28692 69026 60659 76884 98533 81059 65331
00740 79608 98310 38285 08601 94645 37465 78246 73553 53146
79583 39833 91767 48113 55142 70041 38255 20700 70140 96646
04268 34642 45021 93540 50033 02316 22938 57315 42276 44035
01656 85757 91401 89551 95984 84167 26616 74721 72789 50822
31465 80816 43204 38686 56537 56824 72438 07423 18085 17210
14442 77579 88493 55755 38045 67865 8864 47999 92507 49947
10453 92130 01908 11552 36826 38692 000 000

11594/10194 kHz, 12-12, 0100/0140 UTC

571 571 571 1 502 76 502 76

50159 36472 06155 28444 14426 70712 58176 11242 29820 34795
58582 63515 5967 97466 42443 68213 52819 77915 06677 78145
76138 14556 62293 07511 12350 69554 89236 82959 29320 12730
98028 50917 52703 62281 46204 93033 50857 01741 29636 88094
86772 76053 98503 56034 63734 57072 54684 44178 46502 17022
55542 07501 60351 67138 16578 31054 03123 38996 66114 13304
30808 00781 89830 42219 59774 87232 28874 74968 81047 02902
70091 00123 49548 27437 05712 85526 000 000

Recording: <http://www.numbersoddities.nl/V07-2021-12-12-0120utc.mp3>

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

V13 reportedly used 7688, 9276, 13974, 15890 and 18040 kHz in December.

7688 kHz, 08-12, 1300 UTC New Star Broadcasting

One of our contributors sent us several V13 transcript. Thanks for that !

19-12, 18040 kHz. Station Number 1

5886: 56 digits

2035 1554 7136 8865 8449 2781 7720 7324 4990 9487
5071 2279 6215 5177 7817 9876 5390 6315 6458 0963
6028 4391 5545 1391 0312 2398 7995 2927 0490 6221
3856 6466 1858 3869 8380 1792 8392 8050 6756 0575
4648 0039 5320 1852 0014 5311 1624 1690 3912 3922
8167 1258 3035 1078 7164 0028

5995: 54 digits

5891 6181 3321 9083 8776 6978 5919 8876 0452 2418
5955 0900 8028 8764 5809 9820 6144 3237 9226 0132
3616 9143 6372 8308 8576 3445 1044 5751 7568 4105
6763 6110 6567 7049 0963 3099 4381 5087 8985 7366
1432 3650 2122 3550 9351 0669 6390 1074 9381 0452
1300 4810 0046 3899

6016: 50 digits

4187 7049 9896 7102 1831 0890 5243 4726 5352 0143
2931 6263 8352 0882 1160 9300 9260 5223 7887 8087
9074 4434 8297 0213 1629 4607 4999 7002 2447 5336
3321 9356 4806 4393 6536 3245 4086 3846 8358 1577
4002 5614 2567 1670 0822 6904 2079 0033 4146 8516

25-12, 15890 kHz. Station Number 1

6122: 44 Digits

8105 3357 1575 4077 4054 5896 0454 0256 8315 6250
8526 7564 6699 2866 2598 0325 9768 0834 6926 1405
7260 3322 7307 7023 3990 0494 2513 8324 9593 7609
1680 2692 6962 6534 8738 0256 6688 7379 7471 3591
7390 9484 3313 1044

6695: 44 Digits

3463 0453 6677 0584 8536 5374 2294 9876 1864 0389
9506 7973 9099 3279 2331 7925 7881 1643 3260 2243
8485 3021 8294 9921 8353 4413 8898 8096 9716 7274
1347 0651 2034 6581 6436 8638 3462 5062 5020 9853
8082 6195 7348 7391

6749: 48 Digits

2048 6674 9553 2690 4576 0094 5930 7865 1455 2094
7005 3821 0048 8770 7142 9234 5606 3196 3266 4089
2290 4889 4117 5282 8099 8874 7395 1747 7324 2281
4656 8278 6592 8965 6284 9813 3114 5120 1410 0364
6224 1335 0097 3319 5798 9079 7641 2359

6983: 43 Digits

2091 3350 4671 6543 5604 8609 0700 1750 8929 1613
7156 9029 9317 8583 2491 4840 7597 3827 6560 7549
8548 3477 8696 4672 1480 0258 0912 5746 8979 9114
5440 6935 4315 6069 8353 5960 0430 5113 3448 8433
6038 0523 3144

31-12. Station Number 1

7127: 35 Digits

0872 4119 6094 2957 6058 7353 4511 4916 8542 9763
9273 6104 0455 4646 7588 3655 0473 7914 9152 4229
0252 7133 5718 3698 2237 7443 5075 8952 8067 0463
9933 4171 9292 4754 4660

7130: 36 Digits

4632 8973 5352 7750 0473 1259 1203 4180 3850 0991
7640 2989 9608 1487 4201 4088 5979 4743 2606 2261
5276 1812 3013 0298 8943 4903 8910 5340 8666 9811
3627 3287 7763 9759 3910 8596

7153: 39 Digits

4246 8569 9338 2116 9006 2621 9823 0559 5661 9930
5678 2019 2163 9806 8683 9109 7622 5515 1238 1637
7616 5195 2784 8098 8567 8124 3039 1219 2290 1821
9377 4234 4291 7950 8207 7152 1934 7484 2684

7300: 34 Digits

1044 8111 1608 0151 2049 9343 6842 1866 9268 3301
9107 1561 9420 1634 4481 6224 7953 1564 6461 7793
4296 6499 0922 7322 9613 9201 3824 2887 3171 7966
4001 2916 5893 8796

7436: 35 Digits
9187 2211 9025 9518 6205 3800 0366 7643 6159 1292
1852 2314 1213 2559 5640 5767 7316 8668 1143 2965
6273 1093 5462 5629 5282 6271 0585 0111 5659 6127
0319 3938 4973 5617 2438

MORSE STATIONS

MX

8497.8 kHz, 17-12, 1528 UTC	Very fast malfunctioning beacon L, St Petersburg.
5156.8 kHz, 18-12, 0548 UTC	Very fast malfunctioning beacon L, St Petersburg

M01

M01 transmissions are often weak or unreadable.

5465 kHz, 05-12, 0700 UTC

197 494 494 30 30 = =
98473 38463 27364 01630 47365 48732 37463 38472 27364 78644
47363 36473 37453 47151 19074 47564 46374 37453 38463 36473
48354 75643 90894 47564 46734 38493 18732 27354 46352 18098
= = 494 494 30 30 000

5320 kHz, 09-12, 1800 UTC

Groups 3, 12, 13 were not repeated

197 372 372 30 30 = =
43527 87291 98273 62798 15298 26182 98176 27639 19828 92873
53721 72917 62783 92837 24362 61932 09271 76183 29871 98274
65193 71830 16382 19834 76234 16547 87132 23198 12387 52982
= = 372 372 30 30 000

4490 kHz, 09-12, 2000 UTC

197 451 451 30 30 (no separators)
54182 62817 98016 65283 98721 66491 09163 28716 62187 28713
61837 28734 26517 28716 82764 45621 62321 87253 98734 14328
98234 76543 18765 34521 12345 98712 23456 27651 87212 09123
= = 451 451 30 30 000

5465 kHz, 12-12, 0700 UTC

197 357 357 30 30 = =
84635 51958 54389 53851 05683 52256 04572 63872 94236 63890
71846 74639 75419 64720 84629 81469 05735 85246 63586 51840
93627 84036 61485 74389 65812 75947 52484 75849 63810 73529
= = 357 357 30 30 00000

4490 kHz, 14-12, 2000 UTC. Different repeat in red

197 706 706 30 30 = =
45365 78679 14235 65767 89909 13243 54709 15426 99087 76589
86547 86789 11324 54098 64565 37689 22341 09087 46578 36577
35426 46578 09097 **08097** 21234 63542 46576 48769 36527 50989 58790
= = 706 706 30 30 000

4490 kHz, 16-12, 2000 UTC

197 105 105 30 30 = =
37654 80977 36789 22667 11077 48093 54537 36475 83551 80996
64567 73900 55342 22777 66651 19980 19970 03471 24001 37564
73908 53421 76677 90671 37768 90765 14143 34567 87766 01234
= = 105 105 30 30 000

5465 kHz, 19-12, 0700 UTC

197 548 548 30 30 = =
 37492 63805 81341 57395 72038 48822 47137 29571 59109 80315
 48609 80332 57316 48245 76452 89817 41483 47142 96805 37564
 16372 75476 49153 69372 90428 88214 48871 30379 95141 25267
 = = 548 548 30 30 000

5320 kHz, 21-12, 1800 UTC

197 753 753 30 30 = =
 62192 63712 18723 09123 54176 25341 76193 17631 15312 52318
 71846 74639 75419 64720 84629 84635 51958 54389 53851 05683
 63890 94236 63872 04572 54389 52484 52345 75849 52187 01532
 = = 753 753 30 30 000

5810 kHz, 25-12, 1500 UTC

197 302 302 30 30 = =
 71234 87123 09123 98215 27612 19823 09142 10942 19825 20917
 42165 27615 87261 10982 27618 19824 17612 91873 20915 19872
 82761 09154 28716 19876 56789 23154 10981 19824 16523 10982
 302 302 30 30 = = 000

5465 kHz, 26-12, 0700 UTC. Repeat of 21-12 1800 UTC.

197 753 753 30 30 = =
 62192 63712 18723 09123 54176 25341 76193 17631 15312 52318
 71846 74639 75419 64720 84629 84635 51958 54389 53851 05683
 63890 94236 63872 04572 54389 52484 52345 75849 52187 01532
 = = 753 753 30 30 000

4490 kHz, 28-12, 2000 UTC

197 452 452 30 30 = =
 18721 19827 82745 10982 87165 28716 29817 09213 17621 19823
 16523 09187 20918 09100 20835 10923 29871 20918 71653 20918
 71653 20918 29817 29823 01965 18764 28716 29817 29820 20918
 452 452 30 30 = = 000

4490 kHz, 30-12, 2000 UTC

197 365 365 30 30 = =
 46537 86787 96231 46537 86700 98709 33425 31243 53655 76890
 46537 58766 79089 24341 35425 46546 57689 68790 35465 00779
 46553 57566 87890 35342 35478 96871 34254 11879 57687 90899
 = = 365 365 30 30 000

M01a**6792 kHz, 16-12, 1238 UTC**

729 729 729 28844 28844 (R)
 111 111 000

3510 kHz, 16-12, 1755 UTC

246 246 246 95456 95456 (R)
 246 246 246 96166 96166 (R)
 111 96166 96166 (R)
 246 246 246 333 95379 95379 (R)
 111 999 864 30 =
 28406 75975 40753 71242 12891 30586 31680 58260 84243 16190
 63586 53950 84367 85972 76037 81636 99338 19680 66201 71300
 09630 98086 50015 23707 69117 71755 58973 78192 63253 09321
 = 864 30 111 000

12162/11566/10711 kHz, 1710/1730/1750 UTC**12162/11566/10711 kHz, 01-12, 1710/1730/1750 UTC**

546 546 546 1 4956 112 4956 112
82853 56603 36314 58340 27571 76909 96577 68991 83655 65525
80175 16046 87513 60548 78322 81024 11650 95825 97533 08418
69147 96846 06895 71914 01288 03092 06838 10281 27355 38575
98377 47367 66826 37513 68191 38725 17233 23154 47615 68192
53448 07353 59005 83484 95978 92044 56709 83852 40518 46557
33252 94769 76818 92917 45959 99783 37471 14189 36155 81439
26382 74662 06825 92197 40123 83301 85491 64543 77559 78905
59464 15154 40653 41819 56650 75525 94355 80859 12009 61924
59819 93956 59994 97104 43317 35553 65370 05256 51283 23159
80970 25636 37320 96193 45539 20575 94965 66578 58893 78074
52225 34677 19986 87764 30408 57602 40739 72702 10896 59024
91330 58130 000 000

12162/11566/10711 kHz, 08-12, 1710/1730/1750 UTC

546 546 546 1 6961 104 6961 104
86321 29468 92897 69692 91511 53802 75726 03246 74706 64307
14870 61206 91330 34636 26234 44454 09731 37019 91187 61492
28034 41426 26755 93027 63437 15467 39522 29386 12846 23527
30226 83663 97852 21432 09255 35075 79184 37364 92756 44323
19207 38662 23915 06009 57783 72781 82733 86101 41631 63606
74228 41479 00844 05576 45994 40376 46723 49559 62410 42190
17832 25374 38605 43519 09080 21780 18465 67390 96705 85355
07000 17039 17472 44048 79600 32921 77230 47364 96009 22081
44968 00096 97812 45178 60409 09518 11117 27549 37494 18974
71294 40878 15915 76640 69675 96457 19861 98172 19757 88247
52478 75544 86397 16306 000 000

No transmissions found after Dec 8th.

13386/12189/11491 kHz, 1110/1130/1150 UTC**13386/12189/11491 kHz, 02-12, 1110/1130/1150 UTC**

725 725 725 1 9016 96 9016 96
48408 80105 34857 42273 30479 28510 90834 53074 89184 00186
01509 33706 05995 26501 01524 38629 27659 74831 16014 39121
45175 96355 47413 28307 78199 31371 47315 76900 11276 42881
55153 63172 73541 74365 68396 65335 13566 85878 34272 85868
99124 61187 00821 47983 16572 26568 07745 11319 63998 35068
06927 33392 95506 33469 23896 76599 76987 48472 87399 08935
00475 67059 67404 36722 58731 50996 87249 62120 67886 03346
31619 13060 68190 85018 15415 70970 16432 70147 31524 86977
53164 86552 14358 93762 83535 99277 10105 85884 05526 88934
48248 17704 84781 02290 44922 28376 000 000

13386/12189/11491 kHz, 09-12, 1110/1130/1150 UTC

725 725 725 1 4136 91 4136 91
79454 92273 88906 51197 55360 29852 12376 35658 05681 23207
37536 25842 03651 54132 94606 09457 97889 47914 87228 69075
71878 81475 30263 35766 75094 12329 18699 78100 23251 75594
11407 21926 57274 44365 43654 42477 57478 93617 69834 51506
31830 75963 06151 82495 17199 45208 37304 38170 34986 97226
26555 50845 22889 22117 91691 68329 62045 61858 30618 16084
76156 10638 66558 92323 14523 94410 07582 01483 64472 74138
92842 21826 75537 81738 87487 69806 52120 89059 82226 08193
56840 17976 22860 43329 80139 65226 78860 93729 00396 63621
75805 000 000

13386/12189/11491 kHz, 16-12, 1110/1130/1150 UTC

725 725 725 1 5800 92 5800 92
29692 38805 82098 40623 96137 92615 81860 02570 13110 23521
83833 58223 11657 73388 14812 54924 56496 52434 19348 97633
99740 44617 19087 47682 58037 11322 88594 69091 05353 19474
10707 08368 30489 33130 57762 95505 26680 80414 86318 01450
88168 42088 42306 73571 28982 94682 80097 34096 59639 52241
66647 98249 06269 32332 23515 32697 61165 24518 42606 96935
29928 31584 62363 84507 97147 07546 62234 62972 18771 28968
41865 57458 56128 39927 55786 09425 17861 54678 87496 57497
29692 83005 53196 77403 93238 71810 35442 21933 13523 46429
72468 86304 000 000

13386/12189/11491 kHz, 23-12, 1110/1130/1150 UTC

725 725 725 1 7900 99 7900 99
10098 18392 73440 17898 39549 83299 26928 74720 19749 97881
18755 24509 76300 04162 79686 41159 15487 49465 28732 55748
56153 12991 13007 22525 10419 82351 84664 44845 20554 98750
20486 41055 88373 66352 83063 14960 05748 79700 33387 36827
24122 99844 02345 30885 79359 40290 55798 54519 81369 00824
27069 31628 87849 45460 85687 65659 42958 75094 37331 12865
45125 61193 74024 67352 85416 02375 47904 80601 63067 97094
39346 90064 47439 04075 61245 54847 31422 43535 70066 89767
46238 16981 52580 33214 69727 50677 57263 69030 84610 54153
57520 49953 09115 79953 42806 23622 19032 81968 79509 000 000

13386/12189/11491 kHz, 30-12, 1110/1130/1150 UTC

725 725 725 1 396 99 3396 99
48380 69866 32067 36953 64701 41397 67302 84219 43912 05125
11083 91375 55989 59048 83868 25671 80135 57572 71554 84027
15736 82491 45557 43523 83211 77320 74300 33877 22568 25989
69789 73519 08193 91553 15850 58529 27534 76502 07677 40628
00447 91274 97327 33846 35423 49086 41338 13165 53763 24303
02165 45102 01409 74945 02280 98881 05946 20683 61035 49776
84953 89265 67392 41047 67008 91935 01022 55417 27026 97110
39209 13964 70905 56076 96974 87838 19822 18020 16769 18971
36441 60450 45572 82683 65865 38272 07125 44306 13516 60031
91134 78888 77620 64228 38612 20699 28863 86787 56418 000 000

15909/14609/13909 kHz, 1400/1420/1440 UTC**15909/14609/13909 kHz, 02-12, 1400/1420/1440 UTC**

969 969 969 1 1121 93 1121 93
63017 95467 58743 39629 89843 08938 83226 22757 60585 54651
57607 28923 47739 83816 24495 34868 87853 53198 20246 92641
35505 31609 19549 68889 80447 95112 21758 38016 17133 25928
90337 56793 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

15909/14609/13909 kHz, 13-12/16-12, 1400/1420/1440 UTC

969 969 969 1 509 83 509 83
63616 42247 52249 83233 29924 23760 43472 00942 94172 49266
64157 91668 50119 47747 90888 29370 88073 54527 50115 73145
96082 16616 57034 99866 91843 18961 37986 29353 10167 56753
75694 42277 62435 38170 63969 22407 47790 78561 60711 92670
41979 34909 22202 89758 16930 91668 84045 86884 18255 20967
95233 10919 87566 84449 63587 54861 18523 62854 17376 16353
68852 12501 97339 00536 49386 10289 22690 25904 16390 32264
80218 67448 00160 33999 57567 78012 36581 06223 37192 35518
45995 87156 79365 000 000

12162/11566/10711 kHz, 1700/1720/1740 UTC**12162/11566/10711 kHz, 02-12, 1700/1720/1740 UTC**

546 546 546 1 8617 110 8617 110
69413 36901 76302 03152 22502 13068 96746 95334 62370 27964
03823 43381 96322 09932 50716 08809 34328 67402 51414 09159
38638 06763 65398 52045 24807 46565 06206 58938 90875 97539
78796 99564 30102 92232 73756 26157 61168 28336 52284 98745
75201 41134 28098 29420 19867 40816 39790 18043 07094 62301
93534 86537 43960 31087 38989 38920 16707 04342 43779 77380
52437 13641 97325 75990 97562 01292 64014 91435 67932 79421
18481 86806 91714 46275 51634 18145 16970 80206 33365 40787
07666 01149 94345 31016 44112 27979 10265 30319 68816 89812
30622 55543 22347 81691 38910 56043 29846 14049 74877 45337
63999 41416 95011 33876 31293 89146 02666 99851 00970 24763
000 000

12162/11566/10711 kHz, 09-12, 1700/1720/1740 UTC

546 546 546 1 3497 108 3497 108
44096 91580 48486 95719 76822 53689 12662 79618 05766 73711
80777 86771 55798 22859 99639 18164 16460 04884 02802 48874
45222 94486 94120 90187 73918 71504 30419 54231 60025 60502
46097 15134 88342 90034 57771 72752 65589 60448 02983 76696
50256 79270 87518 22546 86644 28844 06897 53012 77649 27800
41127 84713 90839 28542 82329 19251 59839 84628 16872 69347
32471 18936 82208 92431 72351 23592 16787 25018 95259 84893
35929 19869 73905 24326 31251 29752 85668 66486 37420 65207
40630 22417 11230 27318 59562 57955 77688 89266 32314 14027
91022 44904 42969 45452 34755 36420 17786 56453 39212 03619
69503 43579 80792 75004 70918 42524 99234 11741 000 000

No transmissions found after Dec 9th.

12162/11566/10711 kHz 1800/1820/1840 UTC**12162/11566/10711 kHz, 02-12, 1800/1820/1840 UTC**

546 546 546 1 6512 113 6512 113
59702 10482 90617 78155 33646 21969 38849 96645 83384 27871
56556 12230 90798 12217 11607 99704 43253 73277 74235 75403
95690 49576 14296 58160 89430 68340 35765 96258 87405 31379
93894 90393 56072 66536 85672 04377 55540 97825 83323 27779
66901 37064 46528 00663 97388 52439 37680 85537 26181 28143
21140 83125 12671 70719 45290 26576 61007 15181 53275 99463
10948 78237 27469 02699 18993 12541 31834 51520 33709 79684
63472 31916 43724 09013 97396 70805 15694 96011 41355 95558
88455 90514 22965 96885 39908 73736 15317 20144 91868 11706
27605 88467 63153 69892 85346 20317 55673 49258 46577 59332
13887 74242 85281 16319 77208 10660 27096 26806 96830 83656
95144 40805 67639 000 000

12162/11566/10711 kHz, 09-12, 1800/1820/1840 UTC

546 546 546 1 2174 107 2174 107
48583 04444 60154 06375 05104 07542 44712 52220 58505 35277
22033 97432 39929 12928 74170 19040 54879 23483 87897 68313
16089 81231 96037 81237 88089 05103 36909 94970 01074 17528
55045 25189 39297 37938 41526 77348 39918 86546 32077 18191
47233 39778 51606 39019 72564 21744 86334 57574 88761 15914
27904 21591 22220 87360 53261 84953 61602 06391 42662 65562
32308 85385 82965 05299 23346 37634 39229 38524 53543 12001
03560 98845 18931 89761 19053 88915 06514 03629 50163 73124
15390 12921 09684 42791 43476 17326 57663 52613 74308 63228
45119 70638 39766 32049 16663 00480 74032 95466 46329 76745
33836 79589 66831 88436 77384 53375 43936 000 000

No transmissions found after Dec 9th.

14377/13461/12114 kHz, 2000/2020/2040 UTC**14377/13461/12114 kHz, 02-12, 2000/2020/2040 UTC**

317 317 317 1 6201 106 6201 106
70045 89300 65518 19283 36271 71447 13590 40061 44612 50453
57710 07228 64838 39613 19668 99046 76811 46389 77784 05328
53221 61031 16760 05714 76726 31718 35761 43695 25078 19174
48281 85068 53848 58146 69862 15945 49074 43943 83919 86692
27707 40659 25513 63193 28718 39663 59012 61099 46340 27873
54660 40624 43924 25397 43299 54205 51837 03318 55855 06107
74908 22675 98568 34644 91202 94748 83238 12845 77668 79161
50668 51889 75187 66277 16296 25624 03133 76552 93057 25782
16380 98705 95639 43859 90758 75623 68793 39223 99593 37762
87193 09803 41569 18795 51529 04714 07094 96752 40299 83801
40707 71902 51662 60610 41161 49620 000 000

14377/13461/12114 kHz, 09-12, 2000/2020/2040 UTC

317 317 317 1 547 108 547 108
20778 37621 35574 93240 09878 36316 46315 02206 96389 97710
74656 21085 63566 71423 70271 45089 59208 09742 81459 51711
73573 61841 61299 71476 73094 56675 38861 24471 81325 79462
46054 33527 05188 83686 36657 60737 62951 77218 98101 39447
42608 79588 25250 75571 10497 54633 65362 36964 72435 45694
74735 47623 23142 61636 15823 86132 98796 18008 69631 41908
39322 26497 85203 45180 80640 18419 76159 05463 53120 07607
89190 22811 31390 14712 80445 59340 42441 75156 86250 40118
50588 74645 38416 17983 53243 17940 47154 46553 38602 92189
71382 27046 05240 67972 41340 67214 96053 33221 65183 76296
23354 57885 55997 34606 24656 80412 05242 62407 000 000

Not heard after Dec. 9th

14377/13461/12114 kHz, 1130/1150/1210 UTC**14377/13461/12114 kHz, 06-12, 1130/1150/1210 UTC**

317 317 317 1 2664 93 2664 93
43983 19209 22099 81780 29268 86488 35455 50182 25285 00259
63871 50395 54416 78433 79858 76407 84991 96640 47237 81027
25921 64293 86226 05496 01038 07580 65224 25675 54602 85066
26057 15631 98397 24973 58741 65910 57817 05653 79366 60639
35220 39541 56425 10227 77436 65084 58616 04504 09248 14004
68452 61964 78795 69365 64176 85955 24048 74090 85966 22291
10448 16793 01412 37217 29357 15403 62033 19556 07159 61843
49019 16877 51657 71070 32756 58760 97078 72841 51880 91681
40049 22554 38267 81669 53655 23847 32945 96686 57208 69111
72986 14587 93070 000 000

14377/13461/12114 kHz, 13-12, 1130/1150/1210 UTC

317 317 317 1 9073 96 9073 96
27649 65235 20934 48963 46175 38649 39623 34740 64361 64706
42001 56896 88842 23790 91556 03558 80585 19608 76772 86949
27706 27441 11217 72990 27612 34728 34065 12512 44196 63604
56046 50673 79267 70656 47866 85656 08782 74690 06785 42519
57139 87478 93113 92430 34645 89001 60550 37384 90810 65546
18105 10681 87361 88519 19591 25448 33540 79408 21466 16291
89444 12193 56198 41854 94527 04939 53420 39098 57573 69581
08652 34173 73897 11994 51879 19891 19119 77906 97361 29591
50536 89960 46262 71699 42825 78266 13886 13750 88292 25633
03506 21378 06298 07401 44090 69802 000 000

14377/13461/12114 kHz, 20-12, 1130/1150/1210 UTC

317 317 317 1 4875 92 4875 92
70435 29778 35764 07359 75093 65898 25548 38758 80476 23864
18624 20408 70786 70381 19761 60231 36256 49396 23761 83618
10042 20908 18184 07112 86318 82952 24049 35824 39215 32820
12490 56954 90475 77781 48978 84165 63741 09134 66275 25467
54006 22701 04208 63964 76335 86115 29589 13689 82013 13289
95819 90658 51548 18407 36166 55104 44225 71490 06103 67622
29116 34154 39603 18281 94406 64129 89872 43162 29946 10062
84712 74049 82956 40888 87568 05045 63501 31754 02674 00482
11273 09121 24693 47832 22248 50818 01114 41760 40531 66749
21059 88898 000 000

14377/13461/12114 kHz, 27-12, 1130/1150/1210 UTC

317 317 317 1 8155 96 8155 96
42670 16792 20520 39033 27948 03514 58276 51301 33486 11672
91163 72189 81647 38755 26919 82087 86885 37538 20503 27012
34020 32975 52301 12793 62373 10887 02954 45571 18883 06591
99076 00398 23094 33756 57072 84532 55967 11194 31688 77839
68925 29248 55963 73313 21802 40194 06146 65615 18608 81040
43607 40891 28307 93597 17261 35724 29680 69171 67693 34639
56079 61083 92659 22591 02881 40328 88438 59993 59231 30191
19728 38254 67704 17363 23555 19467 49317 81245 77357 82290
67458 84167 33589 73525 95916 59077 86561 74839 49562 31550
46931 08392 83398 68962 25230 99283 000 000

9134/8134/7534 kHz, 2300/2320/2340 UTC

9134/8134/7534 kHz, 02-12, 2300/2320/2340 UTC

457 457 457 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

9134/8134/7534 kHz, 09-12, 2300/2320/2340 UTC

457 457 457 1 8943 83 8943 83
37959 54289 61819 64643 60131 34715 53044 93635 03491 80570
55073 98608 64512 12521 87674 83450 06735 03991 55485 24761
40270 68594 95030 95114 84866 36172 14527 75922 88672 96248
23123 19184 85048 05543 28950 50140 16793 53917 35921 87750
97458 31129 91750 23651 15280 68158 90123 91747 46726 40554
60765 58822 65275 17405 88442 30969 59748 91953 53846 38060
57935 80640 45348 33833 00595 08509 03004 48134 21453 12531
35793 99877 01633 38612 94880 15920 44555 97016 80307 03516
23027 24532 27046 000 000

9134/8134/7534 kHz, 20-12/23-12, 2300/2320/2340 UTC

457 457 457 1 6860 97 6860 97
29113 64690 45627 07886 36161 33844 67897 20963 20793 35647
94783 86009 87988 87719 38921 18202 76450 25270 07145 91568
62918 82794 23170 83982 36008 76769 43363 17623 79040 03991
43759 65494 17082 59011 56997 05113 99771 45262 67541 69577
34706 53692 72444 26795 41651 38423 66224 04081 14659 10156
79170 59302 24630 62451 69028 17586 06942 39050 36990 37639
22097 22432 51190 43321 55219 76495 76393 33422 71797 37980
72736 48997 15027 28219 03142 51452 10417 83034 80135 45981
17940 21363 18311 74675 08100 98339 19266 12852 65229 91376
27009 57783 08846 67619 21782 98628 03256 000 000

6792/5892/5092 kHz, 2000/2020/2040 UTC**6792/5892/5092 kHz, 03-12, 2000/2020/2040 UTC**

780 780 780 1 2882 69 2882 69
22577 52272 76763 20662 10197 88519 49175 56494 10743 03741
64542 61583 31130 82802 82005 13607 08998 49138 76159 25123
72896 78455 28525 14729 68017 40085 28419 92368 80671 55456
63490 75718 56029 68217 34404 47932 19101 14279 51404 83896
31658 14772 17094 35330 26939 89428 11437 47807 23288 54237
45818 40930 29720 17564 53889 56576 81627 88406 46200 18113
30900 53068 06756 12360 03480 26074 14216 94987 78560 000 000

6792/5892/5092 kHz, 15-12/17-12, 2000/2020/2040 UTC

780 780 780 1 660 81 660 81
06492 17636 07349 13437 83783 18409 81009 28864 07040 24192
79065 62519 27840 59404 24995 82923 79868 30015 78060 81610
39095 95444 59269 57332 08090 32568 97427 16335 95262 62546
56451 47644 94099 48336 07170 58810 97715 07084 43790 89630
73719 74164 05307 77014 95343 39036 60504 47979 93378 89380
66103 81970 14525 49290 83300 46211 98155 65215 06231 87224
08315 76117 21427 38177 38705 82913 94677 50013 17504 09570
06978 59271 13566 23817 46910 89775 18541 32985 17960 000 000

5832/6832/7732 kHz, 2200/2220/2240 UTC**5832/6832/7732 kHz, 03-12/04-12/10-12/11-12, 2200/2220/2240 UTC**

887 887 887 1 6107 86 6107 86
87707 48757 66736 92611 83752 77587 82844 62354 63534 94586
73476 65132 31322 05543 02282 66166 61241 16087 83086 62933
76627 13830 04954 53373 15493 23312 86063 63876 89425 82544
62207 97513 96149 16876 45639 48286 69793 97709 62024 23064
94177 09299 37961 12382 11349 86286 77162 39394 56041 47556
79171 40751 26264 51506 74054 65607 00322 68247 56255 98832
67824 85314 72982 69761 35206 31115 80495 20817 92733 20441
30652 12733 80976 34164 43237 51561 82648 29412 32858 47280
07767 99150 10353 53546 91442 15434 000 000

6937/5737/4537 kHz, 2210/2230/2250 UTC**6937/5737/4537 kHz, 06-12/09-12, 2210/2230/2250 UTC**

975 975 975 1 5227 56 5227 56
56252 94793 26785 98121 81832 31519 28524 63947 80531 19001
70761 98523 92240 51139 88270 54820 67702 81844 64622 03093
01245 88809 43239 42941 92424 08996 81869 74643 78451 96548
38393 45712 35184 91471 17840 42918 89793 72278 97886 53783
06697 87386 40600 66666 49549 80464 76489 49460 58643 92319
59737 77938 76525 52129 77699 28415 000 000

6937/5737/4537 kHz, 20-12/23-12, 2210/2230/2250 UTC

975 975 975 1 148 67 148 67
02098 50761 92231 50565 88483 11834 14225 26785 19697 80705
28877 28718 25518 77304 93503 70399 98780 13650 74735 92542
88722 10980 38048 10616 44394 60616 82877 54290 00159 23230
83917 88969 82402 70047 94872 47135 74419 19291 34208 58641
82551 44950 78424 07742 00659 18649 79497 41611 03037 59138
32075 47349 81190 74627 03363 22947 03363 65864 70531 18579
67305 97128 87024 85033 59188 09983 18161 000 000

6832/7532/8132 kHz, 0030/0050/0110 UTC**6832/7532/8132 kHz, 07-12/09-12, 0030/0050/0110 UTC**

851 51 851 1 9146 125 9146 125
40177 77699 69511 52042 80013 69948 33533 30260 47882 93300
76099 66675 49957 04187 31135 58980 79286 66204 77735 97727
48267 79272 38033 88040 16470 42931 07710 50538 29268 26762
88398 64539 85348 22752 77707 59296 15689 57739 56414 02340
93006 04773 53354 27915 68304 82111 36155 41261 01247 56582
29022 12196 40299 57205 62292 70557 88429 66142 70615 34596
38029 75506 92800 52058 75577 43575 62672 30367 17521 27833
18578 32356 10410 89505 48816 63353 35700 99285 99211 16513
76844 76394 69324 06761 87967 43058 14532 09236 74204 42808
35430 89840 58273 52326 82273 75492 17701 92229 53400 12908
53215 21036 17535 32511 61854 70672 68778 99977 68723 58910
02382 91769 05433 02942 69515 42644 73645 83289 11236 98806
87091 23288 47138 87041 22546 000 000

6832/7532/8132 kHz, 21-12/24-12, 0030/0050/0110 UTC

851 851 851 1 8407 91 8407 91
75188 09345 90580 85351 01492 35340 59058 08418 03751 45578
32054 31775 99435 79965 46988 37252 13025 66956 28822 82499
66477 77071 61596 96127 82252 56153 58010 16835 78718 84167
28384 06070 40781 83474 93185 01186 35900 06356 99828 05593
12295 35501 79511 00954 99399 87125 42245 60844 22359 24805
67204 19835 74541 14479 56520 88182 49738 44981 35829 67666
88314 86334 65078 74055 29223 58246 36842 54421 79894 57278
61202 12940 56931 77409 02874 59056 01276 44697 39490 93952
48645 87866 67053 05358 31422 03515 26105 95550 82133 98508
09931 000 000

9317/10484/11552 kHz, 0530/0550/0610 UTC**9317/10484/11552 kHz, 07-12, 0530/0550/0610 UTC**

135 135 135 1 4571 106 4571 106
25551 47710 61573 77938 05604 94560 41815 84451 18030 74076
03751 68412 92116 43324 22326 24297 43799 04308 99332 96976
31833 79588 26437 54115 00234 39096 55434 35452 18416 34056
55725 28580 78522 61184 00584 16160 89530 07281 50554 23289
23116 59883 66872 83212 98278 04041 84268 48375 18444 81725
81060 30326 08465 24197 09451 04830 86783 73554 34104 24881
39855 96550 92027 41538 99543 58418 65916 88233 08954 14830
18402 43319 02463 32869 58297 19092 00007 80991 45132 83321
85134 25520 53389 01385 33954 07969 75883 58765 25686 01242
70467 56684 56933 95554 23733 77193 94542 61107 81819 66356
56799 33130 85744 10416 83475 05536 000 000

16234/17434/18234 kHz, 0800/0820/0840 UTC**16234/17434/18234 kHz, 08-12/12-12, 0800/0820/0840 UTC**

242 242 242 1 2822 84 2822 84
61051 59101 45873 43300 40547 41776 77887 09491 09664 76457
50589 75619 91187 94647 10493 06074 39221 21817 25289 93387
18768 03569 13017 43120 66628 56338 39365 60905 52126 03924
73176 04665 62049 06550 08520 64978 28717 57560 26918 05503
90206 74434 70754 51778 41353 81284 18564 26587 97301 54448
97231 81595 26710 29022 88483 51173 41851 82853 49001 84730
49925 83536 39831 76278 76329 82273 44498 08137 72745 36571
36321 08775 67526 34003 52561 29796 87058 04232 03619 82500
39254 45273 53109 37961 000 000

16234/17434/18234 kHz, 22-12/26-12, 0800/0820/0840 UTC

242 242 242 1 5661 77 5661 77
00614 20437 29135 80821 76800 74748 70861 91561 97695 80607
63269 79107 97508 95469 29445 10363 44461 45974 36615 35561
34426 09564 80185 80353 31059 44751 41871 59088 65551 00478
84165 95468 31311 00632 89171 98227 29236 13377 25081 59531
51235 64952 99889 82174 69616 26516 14953 17071 89516 96051
10243 60999 26383 87899 46357 87181 26751 16259 98805 44307
01668 28328 83634 75555 99057 61147 51353 43927 24425 96762
23641 37894 16757 33010 33422 99978 59633 000 000

9379/8179/7479 kHz, 0110/0130/0150 UTC**9379/8179/7479 kHz, 09-12/12-12/16-12/19-12, 0110/0130/0150 UTC**

314 314 314 1 4066 48 4066 48
65184 96216 76730 69152 10402 64690 02245 54714 00004 20962
08228 53014 83087 39591 71973 95363 79354 21380 13518 10465
14304 08276 50314 29775 60085 73178 91899 93738 05947 84355
63116 86732 31703 20479 41137 24838 43684 97266 22889 59023
57316 25543 20398 52054 47669 99237 14584 55920 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC**11435/10598/9327 kHz, 11-12, 1800/1820/1840 UTC**

938 938 938 1 5519 73 5519 73
06818 11250 44085 83926 88972 41829 61437 62747 29743 80580
28584 16083 03063 20618 66554 91544 36026 86685 91807 99000
84493 52035 01549 32895 63759 48475 00436 92180 55235 76413
60054 47898 78285 97270 11999 01401 84339 90992 24193 72475
04602 51153 22780 34986 97258 79962 77740 47214 79450 96399
23506 21025 51425 45276 51748 93759 16069 42688 36068 64195
33633 15016 93533 91831 19492 91162 52795 70728 82418 91729
56773 48604 94381 000 000

11435/10598/9327 kHz, 18-12, 1800/1820/1840 UTC

938 938 938 1 2268 75 2268 75
06405 31068 25363 32719 72623 94209 66424 09885 77048 31771
45027 79275 99062 61022 33851 01249 87585 15156 07036 87421
20447 07407 57776 23111 09552 62492 37927 82104 30071 29374
45311 24921 73574 88498 92067 99749 69648 74815 32996 05233
45394 25632 36524 86096 30344 73107 36414 15705 27482 77648
35369 41957 84568 61472 29034 55427 97623 83810 06237 82705
53815 44913 86687 17339 33272 67766 38461 68468 43681 39355
08411 10098 77259 02060 33645 000 000

6792 kHz, 08-12, 1400 UTC

910 635 635 41 41 = =
 23396 69325 12316 98873 39241 51648 54927 44564 19040 48305
 31120 13022 13542 55602 10190 64567 68557 98656 73078 55640
 99948 00123 24719 44285 39820 04861 86172 94570 77324 77763
 52480 09607 42552 16906 27181 47882 06909 49219 69421 02568
 98446
 = = 635 635 41 41 00000

17458 kHz, 10-12/25-12, 0930 UTC**15994 kHz, 11-12/26-12, 0930 UTC**

617 823 823 164 164 =
 93749 10094 64289 65712 60306 95373 61282 35766 03849 14982
 96676 02220 74594 01788 39690 18021 87363 73269 04818 78831
 84732 45928 71007 53831 02717 26004 15912 31663 34754 15117
 38908 71520 13658 98380 84429 03482 70044 72682 87386 77535
 29880 99617 85265 39673 64600 28442 02396 10680 57227 68518
 51864 08974 02199 02692 76136 79048 33806 19756 81744 40974
 04653 73198 62876 62512 24853 34297 70967 60713 09121 95437
 16991 33178 47827 60703 15711 88716 64021 48619 47820 92368
 30606 30684 70527 12827 35172 82289 04369 09831 14138 54623
 48091 94389 02731 57999 91296 74626 91006 51826 36614 88267
 06324 53554 37379 48833 97179 17898 62817 43871 91170 21313
 88286 35037 36636 21522 42922 39684 43391 09436 05453 99708
 31507 69402 51476 70558 78487 32403 93245 23481 44462 83158
 42143 77254 86414 07532 80020 30078 87311 17310 70853 41642
 40233 89180 56157 27063 45580 12381 16076 42167 92508 05964
 97290 52703 27976 99256 20445 28227 55660 46556 26116 93293
 87442 91112 89720 30796
 = = 823 823 164 164 00000

10755 kHz, 14-12, 0830 UTC. Restarts during the message

975 123 123 60 60 = =
 59006 35382 42951 30454 47334 08956 30154 61493 69362 11755
 99925 51639 38539 99925 52500 24574 61040 47697 50805 78856
 23676 05684 05686 82592 11978 10049 15252 40473 88144 41002
 02430 43426 83542 14042 12231 37229 85441 32387 70376 70897
 22678 34046 11022 10786 79933 81943 21428 31354 95305 70559
 68882 18534 20880 47499 02332 46621 50968 73453 45903 14650
 = = 123 123 60 60 00000

6792 kHz, 16-12, 0622 UTC. Restart during the transmission

910 823 823 60 60 = =
 56742 37925 87978 32090 12708 95350 27422 12681 41419 12109
 99410 24447 13580 10559 34851 92508 82695 72741 91584 19231
 01392 40768 50060 31339 00733 32143 83710 00568 37211 93468
 21229 23777 37104 40967 42926 73489 92877 61258 78353 54765
 91328 70821 97387 29364 78154 57595 11959 93137 88636 53135
 30605 17571 99121 08783 33059 91428 78995 74273 57025 23434
 = = 823 823 60 60 00000

10755 kHz, 25-12, 1230 UTC. Two restarts during the message.

975 243 243 51 51 = =
 08409 38080 36165 26608 60887 77396 84456 62068 85431 22566
 53684 80865 21545 07792 73337 97817 55099 96404 04861 19142
 87183 18813 00190 78902 35068 71115 63510 91567 13744 16527
 27187 75368 71465 56836 77773 26141 77728 66065 93071 46355
 87135 03526 76162 58993 27570 48458 97334 60992 86129 23433
 79876
 = = 243 243 51 51 00000

Monday – Friday schedule

12211/10243 kHz, 01-12, 0504/0520 UTC

952 748 748 50 50 = =
02690 06893 75881 71561 82962 26579 10744 52134 37736 63025
21003 19272 31038 09686 15516 00138 88112 04930 21847 36145
08967 18509 12361 32167 08181 19375 87058 89443 73178 35775
17827 45613 58142 43584 83813 70312 55764 03783 52594 89778
14003 15042 86835 38897 90068 52338 81125 64119 58780 77546
= = 748 748 50 50 00000

12211/10243 kHz, 02-12, 0500/0520 UTC

952 316 316 51 51 = =
68149 43421 45329 81067 08053 96005 83631 99780 89082 95894
43161 30941 77992 33526 35156 01031 33605 10360 77932 31684
89372 94955 96000 29015 68705 43593 41928 86706 69201 65137
39408 95068 76654 34824 70943 73228 94785 86661 58601 66660
01632 39133 11277 77237 68535 33886 36892 17980 02668 92099
42975
= = 316 316 51 51 00000

12211/10243 kHz, 03-12, 0500/0520 UTC

952 487 487 50 50 = =
14853 38084 53480 66635 38113 73158 07393 52244 63092 66224
31061 49691 82858 12778 27728 78971 91314 26931 65967 48066
28914 88763 10218 74363 33562 17561 80718 53068 26376 19370
85014 83513 86993 82301 88244 89314 98125 18029 14379 93320
64030 72915 95600 33280 32602 57206 12022 29167 75759 65730
= = 487 487 50 50 00000

12211/10243 kHz, 06-12, 0500/0520 UTC

952 638 638 51 51 = =
79424 36014 57548 29243 88448 16070 76929 43838 60706 27995
60719 38599 88457 10986 69428 13702 35736 76018 86913 08335
72969 22664 23208 08578 85123 23576 55726 47177 39323 06351
57282 37402 22886 87428 84367 08170 87696 37737 24117 32628
61874 84761 23404 67383 14659 80724 48502 44560 85453 91575
48749
= = 638 638 51 51 00000

12211 kHz, 07-12, 0501 UTC. Late start

10243 kHz, 07-12, 0520 UTC. Technical problem in the first minute

952 714 714 52 52 = =
42311 44253 69141 46038 00746 90067 63961 36683 75660 67912
43674 58300 52037 56392 44735 85330 37895 49678 83382 00892
33472 47172 22721 25950 45816 70229 75058 24756 84729 85607
37934 78739 00994 40353 87282 46052 52818 37796 76149 48936
11452 09344 12426 56118 41884 61765 14016 52404 19593 04651
64884 12677
= = 714 714 52 52 00000

12211 kHz, 08-12, 0500 UTC

10243 kHz, 08-12, 0520 UTC. Technical problems. Some distorted morse bursts. Nothing after 0528z. No message

952 836 836 54 54 = =
98743 32759 58119 96904 53621 90424 61961 89291 59459 29261
55061 02808 34218 74400 14722 57150 17278 02207 95093 59764
04341 58549 37324 50347 38686 58827 88398 88801 19711 74410
52111 03842 14688 35196 20603 44424 84689 02968 59899 01206
60607 95243 47897 90200 30205 64296 88220 15839 22148 61040
48402 55600 97936 38466
= = 836 836 54 54 00000

12211/10243 kHz, 09-12, 0500/0520 UTC

952 141 141 52 52 = =
82873 18150 89217 50339 71613 15036 35959 77555 84896 15784
53068 38423 08340 40934 80517 94215 30322 17422 53157 95034
55630 15537 29246 41232 06302 21914 99160 45703 26874 34498
03971 45506 36202 90419 18559 36228 93058 62716 77988 27547
67684 86839 58785 43420 36482 02888 23842 15341 42046 24495
20622 42095
= = 141 140 52 52 00000

12211/10243 kHz, 10-12, 0500/0520 UTC

952 873 873 51 51 = =
77007 67506 35835 64596 08661 78632 43560 02647 90856 23462
07557 74904 78665 20774 13886 47495 56783 39442 08851 36573
04205 40522 03162 97916 85933 54582 52379 97872 51445 92737
05805 26577 44564 14807 41021 39408 54458 03037 26269 37592
62437 14831 77831 23916 64235 12915 04639 94460 72471 96392
57254
= = 873 873 51 51 00000

12211/10243 kHz, 13-12, 0500/0520 UTC

952 604 604 50 50 = =
57206 28807 68318 04085 52430 58920 26256 17665 74836 18785
41206 52853 64598 94786 47697 70357 40554 32651 07052 15248
95316 06754 22668 37095 14705 11007 63198 49656 94923 38514
29593 09800 55933 42189 26914 20357 74458 93507 26883 86580
85048 81605 32077 80915 22654 19882 77738 95748 05139 52321
= = 604 604 50 50 00000

12211/10243 kHz, 14-12, 0500/0520 UTC

952 178 178 52 52 = =
49089 09076 50354 49817 69240 85709 33911 74513 52185 22265
48376 18096 90342 34122 12141 54918 42480 25063 68796 01349
57492 49886 18961 68659 07644 24380 88928 00016 42226 37362
09569 58722 97560 44440 03917 59930 24289 48208 06895 62994
17882 94554 65598 66651 63314 39772 93589 74228 29831 68150
77626 21052
= = 178 178 52 52 00000

12211 kHz, 15-12, 0500 UTC**10243 kHz, 15-12, 0520 UTC. No transmission**

952 636 636 51 51 = =
56703 31466 50714 52763 10242 49751 12589 01787 90629 13084
61506 34116 23312 93288 54614 00601 63097 42223 15239 13064
20060 40015 67817 87707 20297 17611 44407 46420 56238 27088
29972 11941 06203 58145 38618 57801 27864 24237 37977 98995
55348 66762 03924 34308 54616 50761 92811 76236 16847 50555
63411 = = 636 636 51 51 **no nulls**

12211/10243 kHz, 16-12, 0500/0520 UTC

952 414 414 55 55 = =
41015 47641 72836 10418 37835 04827 76058 72293 72420 85715
29966 37489 18407 24174 07381 62579 95942 82355 01078 96470
49743 59680 62426 42365 02616 79251 27233 55742 89177 75156
45991 64335 99420 29083 60701 20996 86844 29684 95467 25422
20811 53141 53051 75662 87834 88353 34561 35351 71485 55193
24487 27594 65587 89262 08246
= = 414 44 55 55 00000

12211 kHz, 17-12, 0500 UTC

10243 kHz, 17-12, 0520 UTC. Breaks and hickups in the callup and in group 46

952 373 373 51 51 = =
81085 95909 25413 62758 88210 81964 72597 06954 69207 80302
97365 27731 15479 12170 02118 92919 20351 90068 53732 33770
99329 62794 27510 58399 26082 39086 44177 30570 95075 44580
73394 80986 46819 91750 02211 43298 16631 67523 91888 32002
92888 68254 71553 04424 95685 36763 42095 73964 11831 81099
88754
= = 373 373 51 51 00000

12211 kHz, 20-12, 0503 UTC. Late start. Hiccups during callup.

10243 kHz, 20-12, 0520 UTC

952 868 868 50 50 = =
72195 48147 15371 08084 75925 68111 76743 97601 11309 56552
39371 26841 07826 39855 05090 29461 31209 08867 14031 10692
05433 47590 81900 02453 32067 48714 71332 88886 61682 89384
64515 38237 96992 65671 29276 02011 32428 09164 95803 67368
59811 34135 86213 73664 94846 88702 64123 29098 04086 08440
= = 868 868 50 50 00000

12211/10243 kHz, 21-12, 0500/0520 UTC

952 341 341 50 50 = =
45711 95239 38706 65534 24147 49439 11497 96951 11035 95280
09735 93360 19449 70674 60642 54216 38439 54734 04104 75509
05757 00149 98258 96445 34967 37516 84944 45425 39152 62597
69697 58795 18382 42412 95989 70782 03138 01121 18388 98056
70884 71630 04339 67362 77973 23863 19235 59651 74068 05611
= = 341 341 50 50 00000

12211 kHz, 22-12, 0500 UTC

10243 kHz, 22-12, 0520 UTC. Not monitored

952 186 186 50 50 = =
51494 87201 93696 91194 54870 34686 68415 72633 08235 67012
30908 56102 14112 06546 16709 12807 71185 34957 50466 22403
34836 89681 96956 71841 30129 22573 23145 09391 40668 37962
57206 83523 21780 52296 55466 21352 11440 42541 13185 26302
37400 75550 80128 99714 43934 35569 66858 16058 86663 92078
= = 186 186 50 50 00000

12211 kHz, 23-12, 0500 UTC

10243 kHz, 23-12, 0520 UTC. Late start. FSK-CW, switched to CW after 1,5 min.

952 743 743 58 58 = =
67523 87364 73784 83987 60585 71916 97364 28929 35261 68852
68479 59936 83772 60347 78347 09838 28941 28842 55855 81432
51624 87972 90934 08147 12778 86641 23671 43312 18591 28416
10068 32744 02114 73455 00411 50304 19842 15141 91162 01144
86662 48596 36341 22306 97633 73296 29292 35382 10002 96942
90820 30904 83924 32796 24609 89164 45367 12674
= = 743 743 58 58 00000

12211/10243 kHz, 24-12, 0500/0520 UTC

952 816 816 50 50 = =
86525 25799 63906 78390 71845 75748 60765 50101 26748 28397
96614 02053 98376 87601 06443 62683 71382 63895 54308 84290
42279 90027 29815 19168 68907 12001 22035 82958 55918 60279
94302 22396 62243 30865 08335 29627 41468 30916 71095 70308
51053 68613 02858 17660 91345 91947 49894 09657 60302 06118
= = 816 816 50 50 00000

12211/10243 kHz, 27-12/28-12, 0500/0520 UTC

28-12, 0520 UTC: Hiccups and restarts during the first 3 minutes of the callup.

952 434 434 57 57 = =
37320 13174 54880 39308 84389 66942 02456 03959 07052 04926
53927 60006 35325 59420 56786 49959 82023 70836 69795 26195
76879 02070 53604 97803 69517 97116 82564 83389 62210 88611
01166 87016 58363 83974 73541 39488 37648 84868 99479 72141
93745 19634 95374 15358 95619 93411 63554 38956 58257 85613
98427 76674 33833 49461 02886 01928 59204
= = 434 434 57 57 00000

12211/10243 kHz, 29-12, 0500/0521 UTC. Repeat of S06 at 0400/0420z

952 863 863 51 51 = =
49939 84105 88680 28851 83981 95004 71918 15209 98912 47002
26722 03842 17804 33263 82959 39291 14304 51784 54423 84532
48394 02949 20340 97297 91707 34828 45652 00227 22071 34681
32259 05816 91985 90081 18399 82087 00711 68113 68364 69913
24660 86063 19739 87945 85771 72060 80335 86072 62567 39096
92038
= = 863 863 51 51 0000

12211/10243 kHz, 30-12, 0500/0521 UTC

952 874 874 51 51 = =
15287 11579 11364 51920 37999 85477 36336 23219 71875 67853
43569 88007 98224 08009 68322 41371 60822 42957 61357 40442
38606 04665 43909 73569 57533 23099 41667 23412 77544 04759
96192 18066 15546 91390 77216 86243 90381 28555 44258 59109
00707 98751 30990 85862 71705 98785 50803 55299 31603 66051
46988
= = 874 874 51 51 00000

12211/10243 kHz, 31-12, 0500/0521 UTC

No transmission. Public holiday

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

4349.5 kHz, 05-12, 0933 UTC	=991233??0????? =991234??0????? =991235??0?????
3616.5 kHz, 16-12, 0917 UTC	=991217??0????? =991218??0????? =991219??0?????
6267 kHz, 17-12, 0858 UTC	=991158??8????? =991159??8????? =991200??8?????
3751 kHz, 19-12, 1026 UTC	=99?13269?????? =99?1328?9????? =99?1330?9?????
4227 kHz, 19-12, 1039 UTC	=991339??8????? =991340??8????? =991340??8?????
3670.5 kHz, 19-12, 1055 UTC	=991355??0????? =991356??0????? =991357??0?????
4349.5 kHz, 19-12, 1144 UTC	=991444??0????? =991445??0????? =991446??0?????

M23

7668 kHz, 04-12, 1500 UTC, repeating **SSS** (faded at 1635z in the Netherlands)

7668 kHz, 04-12, 1640 UTC, repeating **SSS**. The next morning, 05-12, around 0500 UTC, the signal was still there and reported by other dxers. This was either an extremely long transmission or the one heard in the morning was a new transmission.

M51a / M51b

M51b: 3881//6825 kHz, 26-12, 0844 UTC

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

The spaces between the messages have been added afterwards

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

GDHJQ ZUSGQ WBXVD XNAIK QLAMP XNWBQ QJEUD AIKJU RTDGS DFQJU
PAMLK CNDYE ZISJW QNDHE AUZRE SGQJA KLPAU NXHDT RUSHZ QJHUR
JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR
UJYHT DFSRZ AMQPO KLIYH DFSGC XVSCX WNBQH ZRATY 46378 SJQKA
YHUTG BCHDT RFSHA QCWGD SJQKI LMPAU JHNBV CGETD SHQYZ AUJHG
YHNBG CVFRE SCXWE ABHJK LQJUY NHBGR CVXGF DGSU JKLUY TGFVC

M51a: 3881//6825 kHz, 26-12, 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
./, ' BXAHQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ +?.AS VA FNDJE FLAME 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

M89 - Chinese Military

4257 kHz, 01-12, 1214 UTC, i.p.

R R GA GA K K
R RPT CK 9 IIIII RPT CK
R R RPT 51W TO 91 K K
R RPT 56W K K
R R QSL 2027 K K
RR MSG NR 2314 CK 91 53 1201 2010 RMKS =
8570 TO 4842 AR K K
R R = = A4UT 3754 AUTD TU37 34TN 3TAU 47TD U35T UT37 634T ...

4256 kHz, 01-12, 1223 UTC, i.p.

7ZGH ...
FFF NR 1243/EX 2027 =
A7WB/Q27 AR
NR 1243/EX 2027 =
A7WB/Q27 AR
NR 1243/EX 20027 =
A7WB/Q27 AR K SK

4397 kHz, 01-12, 1235 UTC, i.p.

VVV 22AE
DE
DE 22AE (Both stations on this frequency)
R QSA 1 K
QSA 1 K
SK
SK
VVV P83D
VVV P83D K
VVV P83D K
SK

6805 kHz, 05-12, 0136 UTC, i.p.

RMKS 2721414 TO 2721410 =
K2T5/Q3W7 AR
= K2T5/Q3W7 AR
= K2T5/Q3W7 AR
45567 NR 2456/EX 34567D
= = .K3/100 AR
= = M6K3/J100 K (Horrible morse operator!!!)
= M.K3 K = M6K3/J100 AR =
M6K3/JJ00 AR = M6K3/JJT0 AR
= MBK3/JJT0 AR
= M4K5/JOT3 AR
= M4KS/JOT3 AR
= M4K5/A = M4K5/JOT3 AR
= M4K5/JOT3 AR
= M4K5/JOT3 AR
= M4K5/JOT3 AR

11553 kHz, 05-12, 0112 UTC, i.p.

R F NR 8045/EX 0913 RMKS 9687 TO 9018 =
Q2C/D4Z AR
F NR 8045/EX 0913 RMKS 9687 TO 9018 =
Q2C/D4Z AR K
R OK K
R GA K
R QSL 0917 K
R OK K

4123 kHz, 10-12, 1856 UTC, i.p.

7G GA K
R GA HR (Both stations on this frequency)
R GA K (Station sending msg very weak/fading)
R HR 7G GA NR 20.CK 139 1.2211 0254 RMKS 5372 TO 3379 K
R GA K
R BT 82 BT D6U4 T43U ..DA NTDU 3.A.

4197 kHz, 20-12, 1213 UTC, i.p.

34D7 TAUN 5D67 NTUA 6D74 ...
AR
R AS AS (Both stations on this frequency)
R R

RPT 34 TO 35 W K
R R RPT 34W TO 35W BT NAT4 DTNU AR K
R R RPT 51W K
R RPT 52W BT 53D6 AR K
R RPT 51W K
R RPT 51W BT 7AU4 AR K
R R RPT 87W K
R RPT 88W BT U6AN AR K
RPT 87W K
R RPT 87 BT 5D67 AR K
R R RPT 81W K
R RPT 81W BT A..U AR K
R RPT 91W K
R RPT 91W BT 35D. AR K
R R R QSL 2018 K
R GA K
R R GA NR 3180 CK 91 47 1220 2000 RMKS BT 3134 TO 2523 AR K
R RPT NR
NR 2180 K
R GA K
R R BT AU6D 4735 TN6A 354U 73UD T4AN N5AT 7U6D N76D 3T54 76A5 D4U3 54NT ...

4199 kHz, 19-12, 1101 UTC, i.p. QSX 3864 kHz (HPP1 sends one message on 3864 kHz)

MSG HR MSG NR 0061 CK 121 56 1219 1820 RMKS 9070 TO 261
AA6D 475N 74T4 D57U

4123 kHz, 22-12, 1906 UTC, i.p.

D764 T64N 36D3 75ND D574 AR K
R QSL 0305 K (Other station also on this frequency)
R U 7G GA K
R HR MSG GA MSG
NR 445 CK 139 55 1223 0305 BT RMKS 0073 TO 0078 K
R GA K
R HR MSG 01 W GA BT
A63N 47N7 7D3U 453T 46U6 6U4T 5A45 ATA4 TUT6 TTTT5 ...

4913 kHz, 22-12, 1930 UTC, i.p.

R RPT 2P 31W 6UT4 6UT4 K
R RPT 1P 02W TUN6 TUN6 K
R RPT K
R RPT 07W TO 08W BT 573D 573D DTN4 DTN4 AR K
R RPT 1P 14W N354 N354 K

3726 kHz, 23-12, 1231 UTC, i.p.

R IEC = 4554 AR K
R HR WK NR 345 K
R HR WK NR 413 K
R HR MSG GA K
HR MSG GA K
R GA K
R FF NR 2814 CK 65 98 1223 2030 RMKS S = 8385 TO 8386 AR K
R GA K
R = UA64 4TU5 4T73 7AU4 5UTA D3U5 DUT4 N63A TA54 TTAD UN54 T4N6 ...

4243 kHz, 23-12, 1117 UTC, i.p.

(Not part of M95 sked on same frequency)
HR F GA K
FF NR 1511/EX 1942 RMKS 1678 TO 1671 =
FH8/B AR
FF NR 1511/EX 1942 RMKS 1678 TO 1671 =
FH8/B AR
FF NR 1511/EX 19432 RMKS 1678 TO 1671 =
FH8/B AR K

4386 kHz, 23-12, 1217 UTC, i.p.

QSA 1 QSY 02 QSA 1 QSY 02
VVV WUOZ DE 8ZSI K K
VVV QSA 1 QSA 1 QSY 02 02 K K
VVV WUOZ DE 8ZSI K K
QSA1 QSY 02 K K
VVV R R QSA 3 K
R GA K

4847 kHz, 23-12, 1117 UTC, i.p.

/S7 AR
HR WK NR 426 QSL ? K
R DE SDU7 QSL TIME 1918 HR WK NR 522 AR
DE Z45G QSL TIME 1918 HR WK NR 205 AR
R DE APD7 QSL TIME 1918 HR WK NR 115 AR
... (To weak to copy)
R DE ETE2 QSL TIME 1920 HR WK NR 119 AR
R DE KY23 QSL TIME 1919 HR WK NR .09 AR
R DE 2F8D QSL TIME 1919 HR WK NR 6028 AR
R DE HNG7 QSL TIME 1918 HR WK NR 558 AR
VVV Y23A Y23A R PT WK NR K
NR OK R NRPT WK NR 6028 K
R OK NIL SK
R R OK NIL SK

4861 kHz, 23-12, 1124 UTC, i.p.

AG93
= QY1/AG9 AR
FF NR 50/EX 1922 RMKS CQ =
QY1/AG9 AR HR WK NR 421 QSL ? K
R DE R5FB QSL TIME 1923 HR WK NR 169 K
R DE 2RGG QSL TIME 1923 HR WK NR 32 AR
R DE XGT5 QSL TIME 1923 HR WK NR 223 AR
R DE ML3T QSL TIME 1923 HR WK NR 523 AR
R DE KLG9 QSL TIME 1924 HR WK NR 53 K
R DE APRS QSL TIME 1924 HR WK NR 499 AR K
R DE 3RY. QSL TIME 1924 HR WK NR 153 AR K

M95 - Chinese Military

4243 kHz, 01-12, 1148 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 01-12, 1153 UTC, M95: CW

VV HR MSG TO YR PSE CY
NR 027 CK 40 35 1201 1545 =
5AA UTT TTA 3U6 3A4 5T7 ...
(Switched to Q26 at 1158 UTC)
(Switched back to CW at 1208 UTC)
VV hr MSG TO YR PSE CY
NR 027 CK 40 35 1201 1545 =
5AA UTT TTA 3U6 3A4 5T7 5TD 5TN 75U 35A ...
AR MSG AGN
NR 027 CK 40 35 1201 1545 = (Repeats message)
AR A HR 7G GA
NR 02 CK 194 35 1201 1553 = (Switched operator)
UTU TTA 3U6 3A4 TTU 773 35A N3D 353 4A5 ...

4431 kHz, 01-12, 1410 UTC, i.p.

TTTT TTTT DATN A57D A75U 4NUN 4N53 N476 ...

AR

HR 7G GA HR 7G GA

NR 03/CCK CK 21 41 1201 2200 RMKS 5561 TO 3975 4721 3160 5445 4796 6735 =

4T.. U5AT N763 5NAT AD4A UN6T TN43 3DAU TTTT TTTT DATN A57D A75U 4NUD 4N53 N476 (Repeat of above message)

AR HR WK NR 460 HR WK NR 460 SK SK

9054 kHz, 05-12, 2347 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

9054 kHz, 05-12, 2349 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 0.4 CK 33 35 1206 0621 =

UT. T.. 3U4 3A4 ...

4243 kHz, 12-12, 1155 UTC, i.p.

446 346 N3U 445 3DU T3D 3DA 4D6 5TN ...

AR 7G AGN

NR 049 CK 52 35 1212 1544 =

5AA UTT TAU 3U6 3A4 5T7 5TT 75U 35A ...

AR A HR 7G GA

NR 24 CK 194 35 1212 1558 =

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

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

4364//8073 kHz, 12-12, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 messages

4364//8073 kHz, 12-12, 1141 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1110 CK 044 35 1212 1700 =

TAU N5U TAU N53 TAD N54 7TT T46 746 7T5

77T DN3 7T7 TAU 773 TA7 773 TUT 773 TUA

773 TUU 773 TU3 773 TU4 773 TU5 773 TU6

773 TU7 773 TUN 773 T3T 773 T3U 773 7AN

7AD N47 3AN 7U5 AR A HR MSG GA

NR 1111 CK 5U6 35 1212 1701 =

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

3968//6936 kHz, 15-12, 2230 UTC

V YHxD YHxD YHxD DE SAQC SAQC

VVV HR SVC GA NR 0760630 RMKS 1950 TO 7849 =

CL/0700/ZBT/1950/7849 AR

AGN NR 076 0630 RMKS 1950 TO 7849 =

CL/0700/ZBT/1950/7849 AR

QSL ? HR WK NR 07

V YHxD YHxD YHxD DE SAQC SAQC

8550 kHz, 16-12, 0940 UTC

NNR32 NNR32 CCK50 CCK50

TIKZC LACRT CSGVX GVVNP NQFTI KZRIL JLADS GVXME FHZOI JAUMK

AFUID JYBQS KUDME YEWQH WLACR UJSBD YNPEQ FHOXG PSJYB NCETW

LFUOD XARGH BQHKZ KMEZO XZACR UJLDS MBVKN PEWYQ FHOIB ZBQSK

CFUWL ODXMG JYHTI OMMET CETWL ZOQFI XRGIA JYABT VKNUR APEGV

WYNBQ TIKZC JLODG VXMPN PHRIU DETVK NCWLF RGIXA PJTESB QVFUO

Repeats the message several times before going to the next message.

4243 kHz, 20-12, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB.Messages

4243 kHz, 20-12, 1153 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 065 CK 57 35 1220 1545 =

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

AR 7G AGN

NR 065 CK 57 35 1220 1545 = (Repeats message)

AR A HR 7G GA

NR 40 CK 163 35 1220 1602 =

UTU TUT 3U6 3A4 TTU 773 35A U4T 353 4AN 336 ...

4364//8073 kHz, 20-12, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 20-12, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 messages

4364//8073 kHz, 20-12, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (X2)

HR MSG GA PSE CY

NR 1150 CK 360 35 1220 1656 =

TU3 T6. 3AN 3U7 TAU 773 354 373 403 NN3 446 ...

4243 kHz, 23-12, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 23-12, 1153 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 06 CK 25 49 1221 2130 =

4A7 ADT 7T3 A5N 653

AR MSG AGN

NR 06 CK 25 49 1221 2130 = (Repeats message)

AR A HR 7G GA

NR 057 CK 19 35 1223 1549 =

UT5 TU3 3U6 3A4 TTA TTU TT3 773 354 377

4T3 44D 77A 45T 4D6 377 N54 4D3 3D5 AR 7G AGN

NR 057 CK 19 35 1223 1549 = (Repeats message)

AR A HR 7G GA

NR 058 CK 14... 1223 1550 = AR 7G AGN ...

NR 058 CK 14 35 1223 1551 =

UT5 TU3 3U6 7T. TTA TTU TT3 773 4T3 44D

77A 45T D.7 NT6 AR A HR 7G GA

NR 071 CK 52 35 1223 1552 =

5AA UTT TU3 3U6 7TA N44 3A4 5T7 ...

AR AGN

NR 071 CK 52 35 1223 1552 =

5AA UTT TU3 3U6 7TA N44 3A4 5T7 (Repeats message)

AR 7G AGN

NR 071 CK 52 35 1223 1552 =

5AA UTT TU3 3U6 7TA N44 3A4 5T7 5TD 75U 354 (Repeats message a 2nd time)

AR A HR 7G GA

NR 46 CK 212 35 1223 1600 =

UTU TU3 3U6 3A4 7TA 7TA NU6 7T5 777 73U 7UT TTU 773 ...

4364//8073 kHz, 23-12, 1130 UTC, V26: USB.XSV85 callup in Chinese voice. male operator

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

4364//8073 kHz, 23-12, 1142 UTC, M95: CW V BNGC (x3) DE XSV85 (X2)

UM04 - PROMRÖ

4735 kHz, 07-12, 0800 UTC.

Technical problems. Several restarts.
Message at 0816z.

Sent the first group twice, also in the
repeat. First 1000 (long zero's) then 1TTT
(short zero's)

VVVVV PROMRÖ = 0712 =

1000 1000 0610 0660 0820 1240

1200 0690 0740 0910 1360

1400 0630 0680 0840 1250

1600 0600 0660 0810 1230

1800 0330 0340 0420 0600

2000 0330 0350 0410 0590

2200 0310 0320 0370 0520

0000 0330 0340 0390 0530

0200 0330 0350 0400 0540

0400 0340 0350 0410 0570

0600 0290 0310 0370 0530

0800 0510 0560 0700 1070

= ABV

VVVVV PROMRÖ = 0712 =

1000 1000 0610 0660 0820 1240

1200 0690 0740 0910 1360

1400 0630 0680 0840 1250

1600 0600 0660 0810 1230

1800 0330 0340 0420 0600

2000 0330 0350 0410 0590

2200 0310 0320 03E0 0520

0000 0330 0340 0390 0530

0200 0330 0350 0400 0540

0400 0340 0350 0410 0570

0600 0290 0310 0370 0530

0800 0510 0560 0700 1070

= AR

4735 kHz, 23-12, 0800 UTC

VVVV PROMRÖ = 23 12 =

1000 0590 0650 0820 1220

1200 0670 0730 0910 1370

1400 0600 0650 0800 1210

1600 0580 0540 0790 1200

1800 0320 0340 0410 0600

2000 0330 0350 0420 0600

2200 0300 0310 0360 0500

0000 0330 0340 0390 0540

0200 0330 0340 0400 0540

0400 0340 0350 0410 0570

0600 0290 0310 0360 0520

0800 0480 0520 0650 0970

= ABV =

VVVV PROMRÖ = 23 12 =

1000 0590 0650 0820 1220

1200 0670 0730 0910 1370

1400 0600 0650 0800 1210

1600 0580 0540 0790 1200

1800 0320 0340 0410 0600

2000 0330 0350 0420 0600

2200 0300 0310 0360 0500

0000 0330 0340 0390 0540

0200 0330 0340 0400 0540

0400 0340 0350 0410 0570

0600 0290 0310 0360 0520

0800 0480 0520 0650 0970

= AR

4735 kHz, 27-12, 0803 UTC

VVV VVV PROMRÖ = 2712 =

1000 0620 0680 0840 1260

1200 0680 0740 0920 1380

1400 0630 0680 0830 1240

1600 0600 0650 0810 1220

1800 0330 0350 0420 0620

2000 0330 0350 0420 0600

2200 0300 0310 0360 0510

0000 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0410 0570

0600 0290 0310 0370 0520

0800 0490 0530 0650 0980

= ABV

VVV VVV PROMRÖ = 2712 =

1000 0620 0680 0840 1260

1200 0680 0740 0920 1380

1400 0630 0680 0830 1240

1600 0600 0650 0810 1220

1800 0330 0350 0420 0620

2000 0330 0350 0420 0600

2200 0300 0310 0360 0510

0000 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0410 0570

0600 0290 0310 0370 0520

0800 0490 0530 0650 0980

= AR

4735 kHz, 29-12, 0800 UTC

VVVVV PROMRÖ = 29 12 =

1000 0650 0700 0860 1290

1200 0690 0750 0930 1390

1400 0640 0690 0850 1260

1600 0610 0660 0820 1240

1800 0350 0370 0440 0630

2000 0350 0350 0420 0590

2200 0300 0310 0360 0500

2400 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0360 0410 0570

0600 0300 0320 0370 0530

0800 0490 0530 0660 0990

= ABV =

VVVVV PROMRÖ = 29 12 =

1000 0650 0700 0860 1290

1200 0690 0750 0930 1390

1400 0640 0690 0850 1260

1600 0610 0660 0820 1240

1800 0350 0370 0440 0630

2000 0350 0350 0420 0590

2200 0300 0310 0360 0500

2400 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0360 0410 0570

0600 0300 0320 0370 0530

0800 0490 0530 0660 0990

= AR

4735 kHz, 30-12, 0800 UTC

VVVVV PROMRÖ = 3012 =

1000 0650 0710 0870 1300

1200 0690 0750 0930 1400

1400 0650 0700 0850 1270

1600 0620 0670 0830 1240

1800 0350 0370 0440 0640

2000 0330 0350 0420 0590

2200 0300 0310 0360 0500

0000 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0360 0410 0580

0600 0300 0320 0370 0530

0800 0500 0540 0670 1000

= ABV

VVVVV PROMRÖ = 3012 =

1000 0650 0710 0870 1300

1200 0690 0750 0930 1400

1400 0650 0700 0850 1270

1600 0620 0670 0830 1240

1800 0350 0370 0440 0640

2000 0330 0350 0420 0590

2200 0300 0310 0360 0500

0000 0340 0350 0400 0540

0200 0340 0350 0400 0550

0400 0340 0360 0410 0580

0600 0300 0320 0370 0530

0800 0500 0540 0670 1000

= AR

DIGITAL MODES

HM01 - Dirección General de Inteligencia

11435 kHz, 01-12, 1630 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 02-12, 1630 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 03-12, 1700 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 04-12, 1600 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 05-12, 1630 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 06-12, 1603 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 07-12, 1603 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 08-12, 1625 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 09-12, 1658 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 10-12, 1705 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 11-12, 1700 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11635 kHz, 12-12, 2058 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 13-12, 1603 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 14-12, 1633 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 15-12, 1605 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 16-12, 1655 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 17-12, 1654 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 18-12, 1625 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 19-12, 1600 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 20-12, 1556 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 21-12, 1628 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 22-12, 1553 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 23-12, 1703 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 24-12, 1624 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 25-12, 1628 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 26-12, 1624 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 27-12, 1600 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 28-12, 1600 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 29-12, 1654 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11530 kHz, 30-12, 1654 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)
11435 kHz, 31-12, 1635 UTC	10784 32433 27523 53823 47472 22442 (repeat of 23-09)

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

M42 – various modes

12161 kHz, 02-12, 1400 UTC	Mixed modes
18696 kHz, 03-12, 1210 UTC	Mixed modes
12146 kHz, 06-12, 0845 UTC	MFSK-66
12188 kHz, 08-12, 0850 UTC	5x10Bd 16FSK/250Bd BPSK
14476 kHz, 08-12, 0930 UTC	5x10Bd 16FSK/250Bd BPSK
14476 kHz, 08-12, 1020 UTC	5x10Bd 16FSK/250Bd BPSK
13931 kHz, 08-12, 1210 UTC	8x62.5Bd QPSK/250Bd BPSK
12131 kHz, 08-12, 1220 UTC	8x62.5Bd QPSK/250Bd BPSK
13927 kHz, 08-12, 1210 UTC	5x10Bd 16FSK/250Bd BPSK
12165 kHz, 08-12, 1222 UTC	Mixed modes
14476 kHz, 08-12, 1220 UTC	5x10Bd 16FSK/250Bd BPSK
13530 kHz, 08-12, 1240 UTC	5x10Bd 16FSK/250Bd BPSK
13931 kHz, 10-12, 1210 UTC	8x62.5Bd QPSK/250Bd BPSK
7952 kHz, 12-12, 0858 UTC	OFDM
9259 kHz, 12-12, 0858 UTC	OFDM
10960 kHz, 14-12, 0854 UTC	5x10Bd 16FSK/250Bd BPSK
11073 kHz, 14-12, 0905 UTC	5x10Bd 16FSK/250Bd BPSK
11073 kHz, 14-12, 0919 UTC	5x10Bd 16FSK/250Bd BPSK
14854 kHz, 15-12, 1010 UTC	8x62.5Bd QPSK/250Bd BPSK
18193 kHz, 15-12, 1310 UTC	OFDM

12165 kHz, 16-12, 0820 UTC 5x10Bd 16FSK/250Bd BPSK
12165 kHz, 16-12, 0840 UTC 5x10Bd 16FSK/250Bd BPSK
12188 kHz, 16-12, 1050 UTC 5x10Bd 16FSK/250Bd BPSK
10960 kHz, 16-12, 1320 UTC 5x10Bd 16FSK/250Bd BPSK
12165 kHz, 17-12, 0820 UTC 5x10Bd 16FSK/250Bd BPSK
12165 kHz, 17-12, 0835 UTC 5x10Bd 16FSK/250Bd BPSK
14515 kHz, 22-12, 0847 UTC MFSK-66
11544 kHz, 23-12, 0805 UTC MFSK-66
5412 kHz, 26-12, 1640 UTC 10Bd 16FSK/250Bd BPSK
13382 kHz, 27-12, 0945 UTC MFSK-66
17468 kHz, 27-12, 1011 UTC MFSK-66

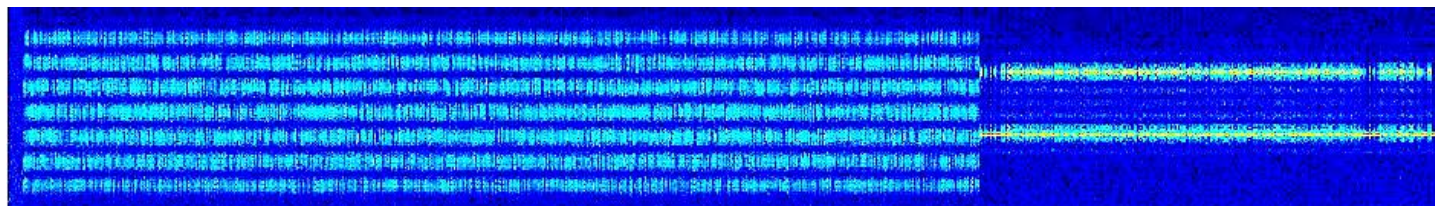
Tentative Russian intel.

13912 kHz, 07-12, 1100 UTC MFSK-11
12098 kHz, 07-12, 1110 UTC MFSK-11
11086 kHz, 07-12, 1120 UTC MFSK-11
5321 kHz, 07-12, 1710 UTC MFSK-11
12159 kHz, 09-12, 0830 UTC MFSK-11
22876 kHz, 21-12, 1140 UTC MFSK-11
22876 kHz, 21-12, 1145 UTC MFSK-11
22876 kHz, 21-12, 1155 UTC MFSK-11
22876 kHz, 21-12, 1205 UTC MFSK-11

Linkz found a new Russian mode on 24 December. It transmitted on 5080, 5298, 5813, 5759, 6940 6766, 7606, 8078, 8106, 9042, 9060,9351, and 9914 kHz.

Mode: MFSK-7 200/400 followed by FSK 200/1000 (offset +2000Hz).

Note the odd F06 format.



F06 message

37648 84375 94492 82921 28372 02747 59188 89965 19482 87187
01010 62749 25715 68022 47760 69476 66368 49987 44789 69341
38286 80078 19598 33484 76773 02730 61055 32946 17360 31025
24077 93796 48357 55069 70817 05073 14369 24448 93820 35369
83688 77149 73044 91575 10440 59081 95629 58269 67944 27650
77293 42508 89937 57809 68139 77952 66034 98648 92394 25733
35937 70948 74871 75560 63026 88249 07917 69309 00632 77458
74513 45590 39570 10404 65541 11306 40026 35156 90507 89496
44262 92319 19311 84317 68624 37991 55108 13499 18583 18315
36541 89487 69739 01043 07467 66785 75823 80338 38485 06270
83436 86978 99014 99345 03409 36201 00341 98653 33350 97002
90740 59909 20076 36591 02639 72794 98484 56366 50877 40511
62647 53042 46396 76234 80487 01120 00000

6817 kHz, 26-12, 0830 UTC, CW + FSK 50/500

G3WM
QTC1 K
CFM SLD K

RYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYY
049 101 26 0800 1004 =

RYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYYRYY
049 101 26 0800 1004 =

88172 47199 26462 11239 98723 78567 19291 46374 18998 65343
00413 56724 28762 84516 84812 54616 58910 82352 56718 9_8_9
85832 59102 67632 98100 51243 57563 82123 50920 57628 99887
89012 37856 78787 23478 65362 36592 75298 36523 92390 12156
91283 71264 81726 05732 78521 85764 87163 12039 90981 12741 =50=
24823 54735 47832 40987 22387 56165 01265 71265 81265 82735
90927 87689 86265 64875 33213 24689 79089 67436 76087 95747
65324 77872 34072 34672 83405 08762 38758 75689 56723 47866
23409 23408 65723 20913 45623 49027 34618 23423 12314 55221
00173 73192 38858 18654 01009 41237 65561 98763 21234 12123 =100=
54673

-0835

049 101 26 0800 1004 =

6817 kHz, 27-12, 0830 UTC, CW + FSK 50/500

P8RK P8RK P8RK DE GT4K GT4K
QTC1 ZZC ZVP SLD K

RYYRYRYYRYRYRYRYRYRYRYRYRY
943 160 27 0800 6381=
943 160 27 0800 6381=
80099 78635 79420 84576 96771 78239 03102 09283 86440 42492
20897 96719 64276 60688 18673 61502 92273 19112 29649 52913
94161 62445 63903 53264 49435 38041 35761 83629 30222 57596
24589 23927 05274 67921 87309 58927 54322 24517 43492 85979
27650 50863 73917 45217 16275 58267 19574 54751 22613 45987
=50=
89528 27646 65712 38803 92566 12120 02154 99483 04875 20513
82750 36278 27035 55493 81980 61214 59654 78317 14549 21682
18307 56077 45820 31063 89953 89477 68619 56774 53135 18736
21616 11588 54738 88455 02018 54648 56919 84152 92985 76334
06607 48434 28131 01739 03113 70223 65125 99534 07430 55449
=100=
34467 75790 35540 25180 58791 86622 57715 69140 39883 00110
18899 17701 95089 55881 01089 58261 28939 84874 97295 14015
31652 61009 22935 84061 67886 61382 02667 84004 04710 20448
51661 42390 79458 45246 76248 28083 06682 95624 82637 47361
13059 00808 32491 68623 21586 44393 60688 68868 69118 49804
=150=
12783 33784 26795 57335 41472 41421 86574 80980 60631 18053
-0834

CFM NIL QRU? K
NIL K
SK SK

7684/5326/4029 kHz, 01-12, 1940/1950/2000 UTC

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

9064/6792/4565 kHz, 16-12. 1120/1130/1140 UTC

75814 39053 12920 37639 56880 74520 18326 19899 78301 74765
 24749 73117 48629 12493 38418 14720 82822 83145 58091 42033
 77654 86214 22618 45781 31133 30239 99270 50535 13525 45879
 16350 42579 48799 43990 89459 13320 52316 99359 81622 17081
 14108 44739 55710 47232 84129 13804 20055 57274 61896 52089
 24928 38110 64707 60710 59244 84946 49980 99780 88472 85860
 21051 24659 40121 79808 24378 89871 99602 89519 93979 34341
 35230 93063 71574 96868 81629 56634 48764 23718 71563 76875
 78426 22273 26120 53373 62254 15900 31846 38114 12032 42898
 52774 42153 33410 70754 14591 13281 60357 94111 97261 84698
 19341 80325 46273 18701 67193 17902 65335 31621 26898 72832
 39172 88953 43421 91426 94854 65267 19540 96886 98165 62315
 29039 21575 23069 33631 24857 73426 17742 12118 48125 27083
 82443 84398 35785 39636 92301 91120 35594 13923 98427 37191
 77380 37392 18618 62234 92660 28159 49120 80826 80474 68160
 92402 93543 91791 56970 99533 95096 16617 81821 69495 42402
 11457 51797 23523 37052 55720 21543 25479 49691 48735 92859
 77083 57353 45093 59744 75512 84213 30570 45986 42373 12972
 29530 24164 10231 76501 13698 61597 20315 81430 21093 52718
 82888 62890 66242 77785 25419 48301 16520 15385 63874 43372
 65129 29386 17586 85700 65372 49959 88672 84903 64124 88904
 51404 67823 88513 78139 59944 14095 20857 32833 66986 77100
 32773 65597 44885 48193 51406 46472 79845 64414 24667 87431
 40114 80040 27391 18786 54943 81515 97690 96347 39339 76204
 89350 26149 93445 18336 48982 50432 85436 71756 20322 99928
 61728 46422 99212 57009 16267 53627 71676 93698 83741 41716
 11090 92528 86660 82606 80218 73007 11945 46423 52358 62572
 35804 17759 76236 93195 63310 72265 63260 62194 55246 99683
 51407 95034 63933 89649 68775 95650 90740 51303 72310 63346
 21522 35318 65291 57946 77676 64714 10518 72474 69717 55669
 55384 31983 49187 84177 94434 98328 25584 86691 94279 10618
 40624 73929 69394 26275 54669 10697 88585 22220 13904 63306
 70166 81581 18021 70684 75061 80495 62758 34778 26164 56761
 65352 30939 49787 95115 46523 26478 79395 47141 57103 43324
 73378 87993 51964 86008 19453 55868 39315 79620 27449 47336
 40305 92511 17831 93063 17290 33996 05122 64052 89349 87993
 84991 29136 73109 21515 45615 42504 58657 92718 75828 55192
 56097 53822 52426 98061 29830 61880 43930 59146 31500 61380
 96482 61805 43892 44869 51182 28311 26075 80227 26797 67177
 91742 62412 99682 40399 45131 65510 85592 91228 28018 79290
 29163 79899 13220 78309 64601 64792 53205 98493 59106 88074
 39676 77418 34911 75078 98218 91875 55396 86881 44288 45078
 17280 79419 92873 60648 99922 10892 29938 19085 80791 33159
 87395 72191 87760 42188 15397 76253 91295 93472 58713 87622
 30840 23791 75841 25979 21237 39955 56316 10141 46905 93014
 60023 36828 93906 79962 45914 64698 23309 26890 80881 55498
 32287 47135 36793 15759 43064 85507 93382 63905 99299 59223
 79884 94966 70460 72745 24922 16777 72887 24298 53683 55902
 74321 80511 39809 44284 16425 94507 37405 29735 11397 75233
 33684 45422 39444 78486 77534 22826 32391 66833 72049 51799
 06500 00000 +++++ +++++

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

52883 02112 03415 17299 06394 89429 13349 06228 10141 17624
71434 31360 54923 65176 67525 04145 83901 52453 01280 87003
04872 71824 76512 83856 36619 88194 47603 90891 56547 45880
97638 06034 41760 42777 52980 20543 20788 57741 63948 41169
78146 42142 06304 16325 78919 11502 83221 64689 05539 98176
32435 29694 23970 51010 68250 08328 21471 92891 13104 27691
83127 72170 98362 67741 99339 68848 39051 53678 21455 41499
12191 66375 07736 25843 93434 44336 26844 20927 31701 75579
11033 23832 66472 02905 76234 98858 17465 90979 51225 92116
01343 28674 83069 27472 55179 65091 11010 44768 71332 02728
26009 66276 73445 96190 58123 02308 88235 29934 58890 31916
92787 73424 70929 19642 42002 37189 01936 54225 05930 78184
45254 20233 71635 27911 14222 38531 89317 41724 82471 36538
67341 92776 47379 34211 45892 59020 58839 56681 03927 76718
80562 09497 79113 58895 76084 77389 05448 02165 36659 32527
98232 30382 93241 63165 41108 48534 79744 58655 54818 05342
39737 11725 52407 87973 93803 24001 10526 97333 09724 25670
11540 77353 42680 45257 36126 96725 37668 90422 11044 06511
11298 25745 41773 22069 55187 58402 84698 02738 28114 67715
38533 27710 29133 39457 59671 91528 68834 90906 31152 67660
80931 97542 39921 13566 41373 57350 42085 15713 87161 53651
20840 97968 52062 02420 66764 41808 61399 94993 35159 91780
53115 72144 60128 44655 17298 90425 30089 45714 71337 66753
54389 40594 12928 12131 75727 56143 18083 90489 08062 08715
76359 63548 04697 63341 80472 07659 86230 92225 12500 13553
83053 05981 93848 04938 72082 56069 91181 36884 12428 31867
95488 59926 09670 00791 16493 60828 63429 64936 59567 15952
77940 32653 77368 18147 40287 28498 13363 63128 96010 90006
79426 06254 76758 24721 34725 25654 59685 25904 58047 52648
63267 70383 30779 55374 09235 46969 72716 86592 05309 88860
97891 31577 28418 08513 82609 17045 13098 58365 62879 67057
74751 65901 03425 16835 22463 16447 05469 20414 41040 82174
45470 13095 46998 20726 62010 14/09 48143 91908 33004 83941
61463 65890 10438 61767 69004 21338 04813 61402 16426 56937
36479 94240 83918 64722 96054 40597 84167 38665 81115 01901
67062 16958 01340 95167 35826 81415 69297 75702 04263 62453
19071 98957 49798 23064 19899 57486 42020 20240 77023 53941
51383 67266 36934 96030 67785 45342 39190 24403 83687 37946
82016 09359 21481 86395 93856 77368 09769 90038 28067 53294
38273 99508 22946 29284 46034 76484 94279 96261 22600 18389
52599 98945 26893 71470 62328 00347 53439 80700 85014 66676
00649 49921 73831 08598 20835 10689 11533 39763 56654 23243
09059 38580 93669 27423 00000 +++++

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

13814 73506 25371 33356 49910 07477 52387 03003 14633 31789
68774 15588 13525 19652 42977 00422 03565 83082 45716 39201
08737 94516 76734 93516 26324 62016 59622 72691 34856 12787
78132 09146 39667 64677 52449 33460 16977 90362 78827 66338
42447 03883 81053 69651 15159 24233 47154 23752 12917 95700
49805 23241 39861 69616 73862 08386 52284 77228 99460 74367
73618 48368 14116 25542 34517 55612 52273 66921 98971 88618
85727 50035 62399 88321 13365 15383 32647 95681 23657 98652
29833 94672 28343 92901 65986 54196 90750 83868 90394 98603
97166 00638 11627 61528 44733 28095 00000 00000 00000 00000

24783 95103 26682 04396 16797 46620 03110 88871 91389 83296
18237 89147 45566 66109 31706 52243 33442 35731 72341 24598
73805 94090 64704 78599 51530 55172 01841 70079 73766 69743
87656 43939 66859 53691 97365 30121 24930 74663 29431 97092
46048 76692 47456 55036 16943 47504 35453 25937 32187 58181
14924 22754 58791 29882 97200 04854 82143 07296 69472 01909
94234 43523 37945 23439 10113 26073 76564 96176 23484 98656
54744 96466 37427 58475 42536 69858 31130 33672 16680 55100
48607 70663 15966 54716 20325 86008 19357 19349 53669 62521
45293 38062 53211 94310 95639 51784 56678 29097 00000 +++++
+++++

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

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

12164/10336/8016 kHz, 06-12, 1015/1025/1035 UTC.

05570 09642 92433 98650 16536 92526 93108 63257 95637 17892
16790 03726 97259 67215 93593 59288 35793 78635 20146 17726
48467 04880 67968 51087 42661 93555 03695 10476 38619 44497
94525 47117 43519 23840 97391 51878 17822 39531 55229 30433
19848 07951 48830 56255 39509 66327 77699 68640 57140 10652
68348 07925 88368 63760 33464 05108 00952 03281 30405 68046
14527 04135 92441 31429 19209 75271 31194 62700 73972 95331
33691 41132 70760 76926 02508 52227 75242 14210 12397 64640
80185 93445 81861 81810 32347 71250 83117 85483 18848 50194
38855 13317 23951 06458 79273 37760 92195 49226 57790 38380
58803 10508 48892 84845 33322 37064 76542 72733 47418 13146
46599 79356 02770 03714 81671 31802 80000 12835 81857 04360
94578 12945 59794 87535 10632 57655 23465 95832 48601 63809
05199 06492 47693 67451 60294 46374 69046 83418 83713 69177
50553 23230 18282 90169 49292 50965 52822 70631 32487 81812
33676 69195 02939 52995 38033 02261 69867 21729 82524 80683
01108 69934 65495 14925 17584 20366 66418 05834 16005 93858
50894 63276 30730 62371 54484 19772 70719 77520 44424 31343
92530 79294 81627 82760 95280 14620 32448 39365 48521 20492
03021 12664 88961 51329 94819 31880 46976 55270 04851 38652
88835 29066 18902 47059 85592 06288 71307 36169 44577 58516
69647 67294 64415 14204 07828 43140 99523 24908 15975 51035
45019 33571 20587 57432 77970 24536 13376 45869 15939 59993
52239 15567 78735 32534 42793 82865 64347 88514 73915 52679
74955 01898 05728 52154 53987 03276 33457 43729 20147 93757
75613 59767 09349 98405 59917 25965 60505 38907 05429 65719
06099 30176 24295 02632 53467 30569 91569 03351 67764 00396
56533 27932 92505 48424 93959 79904 68657 71058 18757 73236
38193 13882 12425 58371 43060 10247 34769 74548 55499 76607
19305 20569 00647 69274 75790 61211 57354 32289 48323 11480
48173 91088 02450 65870 54442 71667 39703 64840 17398 49914
63031 15683 11267 60806 41535 09971 99265 22159 47963 04782
08448 52615 67395 59867 84337 88555 00561 47983 11282 29626
10212 80533 09470 67563 84016 15750 44542 78012 12379 41568
10742 80015 04647 50402 73535 92866 92130 48001 82641 45018
91381 63575 91408 14722 26153 53379 43485 07099 31504 14936
12700 97322 88451 54101 07109 94603 62646 72139 73144 06656
45471 65007 60788 09348 21033 52039 35730 51214 07462 76208
49424 47513 45968 43154 03003 43529 36092 91178 65970 51795
40580 09373 35619 92936 08325 46088 48111 94804 88816 74917
77151 29606 36527 10390 81196 93710 28681 90554 85142 59811
44838 68653 07416 56146 81730 81055 68413 30417 00000 +++++

12164/10336/8016 kHz, 07-12, 1015/1025/1035 UTC.

96809 16402 40735 96141 76251 89205 25991 44901 14007 55481
83411 55105 44888 30952 74999 28632 12631 81064 36744 64254
80224 41339 24151 04026 55559 14385 41066 96157 99599 79515
31494 72852 09267 75896 39086 66504 92207 45164 63996 12721
75657 44459 71786 13599 16560 65805 34066 59691 05154 22769
05568 34102 79196 90352 67323 47146 91029 09034 90652 75019
94648 88916 01629 00904 44998 74905 50731 81950 26646 58860
17352 90587 54048 49658 03859 31075 00000 00000 00000 00000

02476 41814 47200 45437 57445 68015 30578 02223 31001 34616
11111 09627 27158 88329 30543 92258 23427 64044 75007 14252
82841 63721 63275 89273 47728 43992 78470 07807 19902 35870
60413 67669 56968 45048 00810 18677 39438 06178 08458 57420
88321 89612 36650 33064 37897 84011 89987 50127 93350 03269
52763 79169 27961 91195 06118 11325 99524 22393 26158 17623
90706 22754 80210 99031 03000 58029 63414 38160 58997 63902
42834 88558 92635 16001 01271 62555 32132 63289 97979 03564
05271 73280 88457 53801 21747 62491 70514 53354 12249 10607
48786 31534 28962 32093 00000 +++++ +++++

12164/10336/8016 kHz, 08-12, 1015/1025/1035 UTC.

30056 69349 03281 94077 47827 10726 97657 27926 49445 93487
48804 90179 92434 62668 43882 01587 80227 08828 77758 21803
12734 14701 54997 03119 73741 85927 12267 46239 28569 33052
97096 37802 30403 96984 63910 74324 58770 35101 73292 02255
38575 10177 05408 28837 13138 49342 23521 83455 69681 65244
48549 34152 40687 56597 30593 89020 29576 30327 28371 37135
34140 12472 32504 08727 66161 40051 93588 59288 90669 51070
40985 07283 33254 14864 03275 80157 28890 69955 66307 48351
07018 61621 29789 51971 62099 96356 48338 49829 80748 55419
67958 45544 27771 34638 93847 70363 60658 02687 50507 27426
73297 95000 20060 27129 91575 85516 69735 68297 97980 03449
04457 44848 83646 87253 05450 82619 51276 93000 40838 36071
17383 99326 59142 99532 87283 76148 01623 12691 01283 09343
94419 65004 75489 98566 06402 28724 85694 70413 83685 75227
67759 74079 96745 54329 32938 51747 61067 41271 21583 00863
17260 81081 43666 70484 81596 84975 79558 58915 02887 58499
39488 04781 86641 66101 05143 88760 72460 61813 01831 88144
75580 40731 74641 51413 28515 90990 67060 85023 83737 50912
25449 69589 63334 01013 77848 47641 66561 45562 60541 50163
71260 63391 90788 54078 90050 32611 09220 87883 67247 58951
40263 27615 27439 62402 44102 50333 11664 01843 58560 37314
62121 42341 54366 44137 41352 94824 52242 79854 96834 82794
75238 62427 06927 15784 34764 42622 69088 74236 73741 13551
16335 35507 15336 48041 72843 95648 90679 31030 84659 66706
44045 79162 86439 54168 38889 64779 90169 44294 13221 86499
06781 55986 57722 53558 36632 36903 15053 76113 89759 08496
23794 78688 21861 89661 55454 78950 96937 53692 17976 99010
12526 98216 24188 01426 48478 32817 48634 67098 25204 14008
21222 57259 82324 82263 31122 26717 13684 80790 39357 80565
19628 60718 23526 91537 62523 02409 03088 20186 36428 07564
18654 05092 86854 41820 63721 15273 41584 32524 92280 81990
38435 51366 50745 52133 60954 36566 07635 30378 17952 34300
79443 02305 27823 64046 76147 55649 93583 37556 14766 41900
79583 86109 74440 45404 25797 75775 91442 52187 60666 15337
17570 35663 98404 86580 90351 01430 31719 51644 88516 58328
55871 17095 71139 07968 85035 59434 23931 69889 46865 41719
61082 84559 66235 75986 56123 61390 74067 11156 00210 63962
02198 51116 11306 49639 50219 32677 42667 05772 35232 18063
64087 49665 60436 81655 14334 84506 63518 95648 48212 28434
30755 44332 26693 58943 87778 21666 23553 39807 02942 91843
46945 22705 64211 17535 99356 40751 15546 85491 24378 36095
63669 84198 13730 88801 91205 13271 72980 39183 37088 29269
69388 33421 00000 +++++ +++++ +++++

12164/10336/8016 kHz, 09-12, 1015/1025/1035 UTC.

76028 36825 24600 74733 68242 07752 78795 94999 73349 38776
94483 41796 76730 40870 21806 17260 21279 64502 68161 08667
69716 30006 43790 85057 31476 80700 21112 62706 33803 57194
00030 00381 41803 16331 96375 10322 57087 43192 95688 95884
49724 29607 39512 51776 03184 17604 36400 87827 76950 31238
14813 62240 16503 45243 60104 35244 65343 63924 02764 79097
58767 08754 50133 05381 04057 38093 78752 95500 76789 47475
29547 45370 87943 23898 73031 60172 01496 34077 00000 00000

13029 96309 42183 02242 97584 82701 40937 73628 60884 22340
11385 69842 75400 30010 64528 06312 95389 37611 37972 36560
90991 83413 35932 21004 35942 69374 09579 97403 03589 59962
44896 88914 50893 20917 50249 10672 95108 21393 60841 60849
12825 47920 02267 07129 16055 03616 80315 04515 85072 91085
89248 05436 62663 02461 55710 48070 39498 64994 60474 33830
85301 15668 05215 29939 05513 03231 16476 58055 28119 41129
04037 54857 50353 59744 15871 15543 99943 31383 56854 56179
90601 66469 63452 55836 76431 04354 51531 64436 34959 47194
79519 35091 00000 +++++

12164/10336/8016 kHz, 10-12, 1015/1025/1035 UTC.

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

12164/10336/8016 kHz, 13-12, 1015/1025/1035 UTC.

39333 35162 91827 95993 12148 50225 55581 24419 39969 04823
41082 89795 32673 79756 84450 08245 23470 79140 71565 10697
49708 78173 95675 24702 30654 55772 39389 77813 53174 66757
54049 89747 01274 33281 36217 45497 90417 60175 22564 66588
92568 03916 53743 22673 62895 49885 79403 50638 04068 77628
03200 73422 29099 18781 91186 35729 08648 37355 92027 98819
13740 87090 42457 61575 89833 25531 56434 00020 23173 89528
21427 42480 85358 61869 50261 22590 67083 83689 61970 77299
36963 92384 90097 82103 86407 89697 41862 40654 46455 69663
56653 70966 87522 61108 37272 55384 38008 64389 52369 46510
82668 87053 33508 46270 26725 08117 15292 00325 36630 25639
92004 74984 93431 67293 89182 08845 19669 68599 73571 56307
65742 48534 49893 65187 66698 37186 17878 55587 05356 35146
87975 92233 42719 09328 79202 67449 01616 54899 47553 36969
14494 78017 18419 75760 71313 79050 21439 46068 28479 40970
51242 94837 64740 52618 02497 22730 95004 21514 52719 91906
77996 55905 91267 64764 78703 20745 17972 90819 71543 97273
59827 83925 95192 00920 79188 57008 95009 37165 71910 06504
13998 00109 78866 63701 18241 43376 59276 55155 67741 78092
99302 39380 68614 77582 54322 11991 67563 93508 48339 96494
74581 13110 78955 62912 24808 12253 01353 41420 15484 83960
89708 23197 78948 47126 99497 65670 77600 65084 79105 44335
31771 28735 04199 18357 16453 83904 33281 02115 87801 07636
07890 59903 25366 63087 45845 65957 00984 87737 01013 97001
10265 94569 88003 49505 27615 90946 95254 98827 70734 44830
34923 42455 85520 53069 03039 94498 87322 91412 48346 23649
19483 50957 73272 51784 15096 90701 15464 55402 72927 60906
83332 37071 83440 76940 44030 59096 65845 48304 87314 56570
02125 92513 13726 72012 78975 88533 20519 78778 73593 49460
83782 85417 44238 19114 60195 38190 11531 22256 56843 63899
41407 23104 42537 20259 65663 71831 99083 45953 01048 43749
35920 27606 52812 00846 16578 25818 13688 30380 70395 27484
94197 40213 87917 16561 45256 15562 23434 80485 58997 66872
53075 94416 58755 23489 61916 50506 14148 52814 58523 24370
42194 09641 40375 95955 80402 45352 58603 66992 42769 31672
55489 42213 94630 78647 73142 66528 07291 51566 56822 35348
78379 16480 01316 20233 28865 69032 13820 77071 12671 26274
91770 28954 99821 86153 39046 40952 19063 84371 68989 28972
70896 03286 67681 69879 46952 12556 15908 05084 16659 46207
93258 54766 67126 45822 12784 84938 07193 24515 59662 94519
71570 31406 32309 14625 86024 21272 09363 36407 00000 +++++
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12164/10336/8016 kHz, 14-12, 1015/1025/1035 UTC.

04251 97538 12181 37762 09288 18818 20038 89331 53452 95740
07731 55984 91634 31067 05540 46526 29847 39784 88086 07474
42740 80474 49911 94705 00600 34039 17869 29194 16757 84485
73780 04003 51336 81440 85773 34749 32299 89093 71755 70703
79700 51261 43445 08724 44116 27235 04420 77209 95157 78137
00590 82264 21029 08439 46568 33248 25052 92343 76342 89916
30105 39727 91706 98330 26909 81310 06887 07714 27093 77760
12789 85467 06991 82402 09319 72508 53094 12238 79208 46129
45100 06942 01769 37083 00000 00000 00000 00000 00000 00000

39701 13360 90771 61338 46275 29376 51331 90279 40358 39920
71019 55087 53952 44243 17250 23665 55751 06678 91057 73039
65142 70429 14789 21557 81940 49973 12856 26413 42775 56763
58998 13696 40084 37915 88479 33146 64630 32575 98673 54802
57502 75651 86453 49733 82516 03592 95849 22040 54976 41901
74382 84311 87704 79087 61541 93728 40308 56717 57815 90995
82600 30278 47737 09299 08119 80519 75363 45464 58681 79976
95639 10510 45909 44360 50070 01793 80670 23485 40159 63905
46360 11452 97024 30546 76971 80744 70655 64526 25890 69942
87229 38109 36345 79737 47931 20873 49459 38097 00000 +++++
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12164/10336/8016 kHz, 15-12, 1015/1025/1035 UTC.

52168 21673 82149 66918 15685 74193 15431 66678 81146 34338
77898 75538 47042 66602 27268 33232 42765 46637 60224 90345
32072 22300 36440 22162 51013 47070 64402 51575 91283 40519
22511 48280 64906 55515 13847 96416 11212 56853 78087 47861
32038 41002 08979 03349 66088 51649 50813 88610 38388 70735
72347 17728 45779 89661 41607 60870 64378 90368 49993 58622
89958 90950 59158 50079 47171 35527 69064 06897 28545 33024
30670 90488 49229 74580 51688 74553 28374 84245 68846 00121
33122 82670 85085 55310 46131 68475 95140 96976 42572 46977
47938 56444 87532 60971 19243 96503 89770 03248 93005 11874
72753 15538 74825 90299 48921 03569 85993 76492 08107 22925
11531 06079 56055 15391 00671 01762 63976 00475 43220 48880
15077 51796 70236 92539 58992 13020 52459 23528 10075 33031
94934 45171 50463 25035 51264 38347 23874 79272 05926 66822
31056 84032 98093 90116 62840 34654 85401 76065 31724 35209
71087 30287 87934 22539 42951 84719 30889 67349 97564 12439
52019 32043 48180 60929 69867 89971 39761 20994 43412 35810
19579 73506 74553 41725 36822 81175 35691 39033 69635 17515
83346 30039 03047 50219 43749 59729 06206 21104 81334 02023
82378 89834 86096 40261 90132 33597 40717 46614 59149 19919
53420 90112 49107 94825 67491 27973 25067 53511 83385 59912
47793 85717 54378 50138 02464 13010 41688 46705 14188 60130
40005 52917 23784 27628 09367 30475 22243 57939 74329 39041
67327 12112 76348 41924 30731 99370 90327 32560 49243 26693
41261 61488 78360 60592 81916 68492 71769 18305 17483 49615
35148 30545 88137 13721 27725 43043 45450 08290 10029 49030
83583 19146 61257 69874 11208 73800 14729 26045 75081 03081
84826 65599 71222 40769 83882 42371 04621 65899 52453 61063
83425 17424 51396 31408 58532 35936 89209 98614 44529 12119
83065 42258 82918 46633 76960 60821 33572 51110 65446 84065
05334 44943 96354 80424 61731 27579 50969 51599 62713 30970
25071 31555 28370 81905 59307 32093 35553 28875 92307 02194
83349 13191 34994 93324 88339 89019 89522 47880 95576 22034
61287 52960 16229 21367 37430 26673 27815 84549 30291 29133
97978 60129 09240 15365 17735 57646 69319 72283 55124 59666
10150 06942 65219 15548 23517 78242 17412 21635 13091 89289
25922 17567 94720 82571 94473 53385 50714 05163 11064 07130
36581 36142 53764 57611 63637 93388 93499 42047 05932 61977
04735 53247 04934 11332 20010 56040 70399 93337 89262 27620

00878 38604 29867 51514 72276 93051 78336 19843 67935 62025
79629 23577 48638 54107 74979 35464 86005 41834 74206 15320
07706 81486 23433 92370 27914 59151 04155 04336 61469 55248
24585 97931 45155 44686 89236 20494 14550 74868 57649 57397
09881 88701 28226 94964 09319 84824 08097 39437 00000 +++++
+++++

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

23336 04193 27802 83602 82070 50173 86698 60461 65255 95602
36676 00973 03252 74402 32868 83416 75516 99161 89751 12864
45871 56243 50451 36463 82634 25217 77628 66618 18316 96035
33139 48027 28533 82412 38644 29504 34866 54819 34372 26518
61319 41556 78206 85399 99087 71324 52299 85137 59306 55738
69382 37719 18483 35217 95986 72933 86286 36697 34730 18595
50391 16589 32882 12104 78057 87436 09388 04305 79135 51697
17525 41553 60190 91093 85409 36955 24418 84963 01506 66694
97058 56057 37351 52405 80975 40085 00000 00000 00000 00000

71954 68717 74297 44061 92355 07008 50205 61007 39800 36220
48291 72021 00046 74566 81766 28886 35598 27522 17729 40686
34925 27636 44970 56640 45360 92800 34085 10355 13136 20170
75790 55195 78981 57900 08410 45458 02730 21923 70459 43026
15358 49913 39260 54207 21913 09662 41528 26431 03752 04022
46876 59493 93533 39630 80162 11053 21410 51580 13618 01033
55830 01251 24706 44657 87432 89451 30636 68770 29418 52099
35478 91154 32887 30595 50809 67522 40535 34101 75835 35870
27179 35898 47920 12881 00531 71005 99467 22071 60665 27268
82084 58356 41612 47084 43962 41095 00000 +++++ +++++

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

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

12164/10336/8016 kHz, 20-12, 1015/1025/1035 UTC.

39217 41702 96701 14098 85632 54010 13993 52255 99677 64251
83908 88644 81986 09153 32934 44926 62031 16922 81275 93000
28690 53794 44365 06300 05432 93730 50093 89678 18573 53448
82699 42629 32038 59963 89257 35458 47059 42851 09703 03165
90255 68389 16322 86660 38532 57795 73667 76056 54228 56720
54803 35675 28957 48212 74847 15499 59580 26319 27735 78727
04742 72515 37135 00133 95409 02166 90703 43413 47933 73179
85990 22690 52527 74065 71756 76442 37206 33577 32623 10895
27955 32190 64948 16249 60419 95202 41841 79612 85660 05385
71848 70545 56810 81340 41623 14244 73556 76939 82004 43206
29324 88975 00267 85379 96735 19989 81254 00703 29069 79310
61350 94693 46969 10378 33791 88789 08855 36505 46268 52094
88446 42294 76757 24253 07874 32887 98493 84121 99767 38227
70060 43925 9#816 54535 11504 73595 72183 40178 52421 84964
79245 08116 62963 30516 64091 82123 03680 96374 49203 08967
55151 94211 11774 43723 13348 81779 05086 50436 61642 66733
96394 85284 55421 73448 19759 54466 80236 77509 67238 63969
69424 37566 66923 03430 92136 79239 21202 31259 47721 10760
03734 53219 27382 75043 38539 11662 29070 67869 09666 27577
36525 76864 74851 62678 98424 20973 81632 93685 68560 95107
09330 16007 92992 49658 85350 19000 55108 59551 49247 00007
14537 62550 62961 09339 00841 71483 90703 43413 47933 90079
96894 28216 80160 87107 35613 60290 85973 08508 29984 97426
40137 32190 64948 16249 60419 95202 41841 78885 09679 47954
68234 75905 79309 15161 81465 37713 14966 68234 29290 31590
70512 38777 56115 86567 01132 27873 68218 13313 31531 90874
76423 11234 60188 02365 39649 79968 85559 30975 57768 77460
65210 78761 87233 91802 43785 64818 77883 19043 10763 57815
54384 64121 73943 87144 90732 07161 59580 87379 51268 02251
75125 55709 96621 00964 95497 27057 78048 17747 58831 96560

68569 79407 82628 44100 04376 25861 36271 40565 34920 54340
30797 40553 05134 24247 11925 91174 18217 64836 67215 11660
52427 52922 83345 23456 30313 52786 14414 35503 63825 35482
47213 14362 23744 19726 74421 93908 06858 01555 11638 04253
99339 64932 19197 24593 59749 90517 14718 89674 70097 04750
87303 04559 28420 36458 49343 47376 81293 73182 86845 64749
19723 34380 94248 89589 86853 03726 04640 35938 70934 87668
51319 50548 81970 92456 21653 25887 35504 36800 89146 04262
91967 42366 34679 27736 25037 69301 92832 13541 17421 88947
84264 59657 07543 10965 20042 10269 35523 07029 88894 35754
61928 98303 63310 06928 57701 98864 85419 68203 88732 32270
18598 39367 43484 63465 75733 42415 00000 +++++ +++++ +++++

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

31572 98234 51345 88168 15097 21041 18526 26059 95633 84910
72625 14351 46288 85239 14910 55838 38332 39878 17133 96765
15363 03705 13131 78553 20692 49305 20984 42359 88888 68457
69182 53656 37431 74099 25232 39017 19378 07483 50145 52298
23024 80176 27236 12399 29464 05635 38684 79794 63999 99988
88276 64025 02336 56780 93787 79330 17499 25295 97422 90612
78412 47202 67762 16925 36078 31186 91652 84660 58278 70243
79471 47642 98765 31356 32214 16287 11856 72206 43830 63049
48366 64630 37250 96313 93843 29504 57547 19933 35013 43089
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

17191 98603 10630 27151 74553 74713 12178 12435 51476 25818
69971 61887 46766 70438 74058 87934 08467 53355 46168 63351
96130 25727 84060 61782 77176 95622 57935 58518 24517 84897
38574 89961 07637 53361 61910 95220 94324 76160 59707 88274
05231 85327 11048 34138 88444 11423 94301 27464 06282 86218
44273 97038 51465 92345 44213 84575 34887 70857 07378 71276
12139 22644 27830 50576 41004 64620 05165 70525 87087 26648
72848 94224 19787 00113 84855 51779 65769 74101 40298 82184
12173 20108 50729 88590 76685 11220 79810 55392 86717 86714
10027 00562 34840 97995 16147 61677 02680 96819 50099 39088
70457 51749 66970 44103 00000 +++++ +++++

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

95245 37727 11874 18393 90270 72974 62451 11621 01378 69644
33015 08240 42061 53876 22607 20142 30157 81723 20841 17142
98507 11213 61969 66083 34232 17478 94287 46603 01311 24391
32056 79494 26144 51140 82131 28603 50797 97185 62489 62204
83602 14029 54833 84775 01816 37237 58463 75132 86006 77164
37618 91837 90883 91792 79446 31841 82220 90141 04818 53272
94591 39693 99149 98339 89595 76239 55447 77254 19247 39623
46731 99138 24243 83792 70051 60832 21772 34600 29265 29557
62561 93807 48781 80358 61855 12712 35443 74275 34004 83833
30739 88167 85349 24117 20543 32140 45107 48071 94554 15505
38917 54281 72635 47216 34762 73747 40230 81710 15933 53470
60048 46099 60736 73730 52219 09645 33627 22495 60073 81460
17452 75395 43768 47369 41491 54701 68928 81859 85002 65743
82497 96077 60920 34212 92973 07793 09434 92767 97240 44273
56111 90418 21163 14004 14260 23072 66131 08200 36216 08728
78763 18033 43244 55734 85932 78523 88738 97546 62312 75025
34415 92429 22632 73256 44178 11533 55827 58785 25346 63791
43270 96944 71934 31077 28270 49079 89673 12035 29031 06090
07452 98056 12256 25191 04876 29818 69576 80834 10622 07818
64012 65728 51292 55361 38629 02890 55427 57422 04595 54674
42398 23818 50815 39713 50840 50141 42345 93696 86328 74885
29745 34943 92976 56193 76600 20696 78651 16677 77350 05073
48488 29739 82657 34618 26392 45836 74469 42385 69215 82123
77983 26502 03303 23908 62686 24129 38081 11368 69672 16788
36392 09950 57411 27950 46244 87909 83162 98871 23692 49404

62222 53570 01496 96599 72192 88909 83287 19214 94448 50717
67904 34940 10014 81872 33586 29187 92004 53306 36721 67575
61853 13849 04841 79619 01480 19865 28523 37042 38620 30604
81926 75156 47471 80219 26613 30751 31871 62380 78362 94913
83172 88419 41667 04238 30020 04954 41583 18842 22207 81917
07637 60649 15798 06939 89465 10347 51714 47003 08892 86488
44962 63342 78099 55152 26688 90478 38623 43607 06263 15369
00814 56421 45561 17589 88489 17447 62648 56476 18446 86122
07040 16203 69515 21531 73730 44677 20870 92645 48190 47243
64242 58208 99490 21098 19767 64670 63777 41365 10122 35643
85246 34778 72650 51282 06847 01885 14170 41059 27857 73732
38136 38340 70562 13962 98860 70230 23189 02248 62469 81095
51295 60026 79279 13226 94821 04443 97298 93056 92953 41462
71516 96397 04016 34072 48694 91105 12573 06531 32318 80627
40917 70576 57428 96870 07150 84556 29986 15816 97020 81395
10492 94335 41731 26356 46521 51625 18882 90515 83873 43714
18747 45411 00000 +++++

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

92464 95929 87203 85512 72728 41955 52865 51559 91931 84278
03366 35091 47838 70595 46487 96576 25587 15530 75059 73681
56054 61229 13660 33504 70801 20862 79861 97571 20804 40964
39717 38026 51116 43571 62177 68436 48702 34077 02112 77679
05582 85746 66637 80327 64507 36828 44438 81970 39343 61204
02749 82922 27337 98509 81711 68741 55479 54663 40787 61007
28125 08750 36887 26787 68081 87178 38952 70227 68332 91072
08632 54722 96597 87815 01764 29074 19912 02698 70351 56102
41412 46081 00000 00000 00000 00000 00000 00000 00000 00000

26881 37819 59574 56444 70068 53521 17276 42767 00035 41495
79801 28349 91034 03658 84937 18104 22604 87467 93871 12487
44541 54593 53301 11755 66993 75072 84975 57439 36568 51648
26120 28220 84424 03966 69174 32369 57277 67321 74289 63976
67237 85651 53011 15117 21450 03441 46594 61183 17446 86254
47382 61530 15161 24559 36696 42649 21543 00543 37654 56051
48708 22603 06380 28036 31554 57202 10026 43553 15797 12773
65043 31324 52344 55359 34153 42427 58964 60689 05440 39523
35170 32354 02012 38916 41264 40793 95669 72631 77486 62764
23014 47091 00000 +++++ +++++ +++++

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

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

12164/10336/8016 kHz, 27-12, 1015/1025/1035 UTC.

99107 37904 72428 46117 36706 09501 43258 38606 61462 97865
73121 53807 95327 98564 43932 96680 15024 29853 95180 80768
43713 59766 03154 43037 18937 14562 66884 92405 29012 29444
05540 15401 35066 27515 96910 87383 20915 37884 11712 62779
37950 88873 23363 42743 37238 37259 97947 43711 06017 19487
94041 15266 50762 35797 27079 80752 94041 03198 77971 99093
77312 38220 50640 71222 86863 55400 08172 39595 45100 92418
42266 54194 34337 97839 55680 03484 45306 42384 62340 33737
67553 39672 34826 05184 63918 87385 53895 58408 96291 64766
39756 89445 94815 47405 69759 56997 87738 25257 12205 70219
34103 34809 30954 30515 26443 41353 40520 25764 55701 32286
16346 00438 55530 07391 89934 50021 68180 77021 83541 13200
99160 04138 64091 60228 52847 51127 21038 00935 66244 17348
97816 60787 83076 78326 31620 98466 35397 62566 81142 63387
24904 26877 47011 16555 21156 16185 14580 63342 18858 18753
73767 71384 21436 52745 95643 72268 43045 45079 70430 70307
46245 88495 36626 06892 57488 87801 55923 53838 27642 31193
13618 34192 29711 47627 49198 93892 10951 36159 46785 72769
41574 78194 40139 48281 27215 68585 11890 50456 77361 26511

91704 71452 46918 72087 83063 18188 93116 79628 73332 81481
14935 43510 06833 20120 67227 17571 25580 83318 66748 13981
07390 19990 32262 72520 56031 48273 25912 36215 23121 83744
88057 94241 66440 49765 82752 78071 74372 18396 96051 21763
11131 55309 54341 22358 62481 67147 54872 61307 86642 74759
25696 72880 00044 60755 57171 70469 52635 64805 72483 66755
72440 25148 27711 48648 84029 89708 63552 92959 30610 45295
42699 33726 54413 38297 48243 17137 15075 85321 30380 04995
50684 97209 20251 12650 11208 64874 52861 92340 18950 80384
66263 97888 35763 91744 69207 91672 41676 14804 94430 79824
54644 50729 79774 86597 46089 82484 44332 03812 31933 48750
51792 76355 43815 18722 78184 09645 10158 16224 26214 09998
01790 66580 53304 93862 21817 64674 05751 26816 44398 87637
75815 78303 32157 00604 24307 03022 86876 28973 35615 84909
13193 95606 97467 04675 99959 46414 22581 16782 48980 12741
54385 46866 05783 84026 24033 45483 72142 89140 50851 59147
05025 09857 03446 04595 31641 74887 63636 57205 35309 07925
60408 89520 91798 28124 66075 20799 60853 26464 71834 63541
62576 66423 84902 77932 93366 82415 14424 70121 61094 74407
38336 95291 44197 22173 68375 51459 04403 67610 55418 74917
07732 38566 02344 73295 33511 12598 76597 57137 76044 44113
39655 55966 68658 03335 35565 29749 84793 00507 05764 11711
95835 93803 22344 43443 90371 04358 56967 88220 84560 86865
27618 33490 78303 29187 90363 18449 36902 79387 68327 47664
02894 23668 35063 48433 00000 +++++ +++++ +++++

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

65591 56893 21725 96887 99730 34078 56401 95572 27388 82102
38079 76107 12556 29300 25302 90554 87304 69792 32493 05151
28390 90259 82587 57204 10518 80023 76168 94520 72203 04108
75537 89533 55177 43981 27178 45325 03249 35662 71017 35736
31590 59872 09959 46739 02366 63932 38095 11274 67645 20077
51053 54719 65539 49892 86909 93208 80496 69543 71101 51957
03700 35501 63788 95794 54492 95436 33085 89098 48781 73981
02614 27308 25352 48040 46815 07200 66023 91339 32440 28136
70599 92902 29680 41439 72528 79139 41360 90112 06241 94234
23633 06076 62065 18526 32145 49095 00000 00000 00000 00000

52135 83054 23452 78692 67367 29198 36005 10305 68014 37058
56929 15528 59539 33731 95607 85782 96574 55055 19588 75571
10507 27271 81623 31460 23090 78852 97601 75435 32038 12209
23782 84862 79521 89932 06789 36203 39519 15284 04800 04689
84946 11608 03357 37146 20512 30355 74245 40146 92234 42415
50887 50679 09556 92424 18656 81534 40984 20765 43589 58575
69223 82912 87904 92089 16696 20844 85779 49423 77425 66179
77816 21060 16203 79755 27636 97343 20967 57300 69040 98047
19356 55925 57180 21944 95349 21088 22160 50087 00000 +++++
+++++ +++++

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

18306 89416 53034 16526 11532 51861 92816 83217 33777 56520
30834 84721 87351 99493 45322 75868 39649 58935 07978 94807
54731 96727 11102 92467 09385 82525 06556 21100 04592 94846
29974 49095 08345 78906 08672 94246 90749 65870 76674 92671
37348 83223 45317 45557 51600 10946 02849 10922 82471 63167
41479 32595 38043 00005 35297 23581 71107 99256 17515 46011
47664 42655 30462 54860 34268 96353 46766 97626 65164 90334
85174 87153 75139 26442 69425 89776 09041 69704 03644 96001
43886 02651 62655 65885 84514 47301 20701 66303 18706 84523
66952 42312 42711 25434 81291 89772 93133 14546 68770 21432
46091 69334 76214 43653 69601 85919 39379 85971 40129 65551
34118 50677 59233 41579 29990 74598 31242 11602 69742 20280
87908 04475 23117 38752 70970 36873 88405 71056 08563 39089

40198 80735 46409 54761 46755 34472 19744 44211 05458 73046
76884 46081 69750 39828 90414 76964 66029 58965 16886 73706
23913 80470 91008 08075 68320 34391 65242 28472 46814 61247
30738 08397 90626 10927 80559 06321 32819 27225 01141 66687
32004 60217 02889 16703 75077 73647 25894 38627 57383 39531
81667 22225 63767 37144 16862 27097 98937 98600 09891 09547
40586 68195 36404 93697 13698 67706 64544 91529 09493 84840
65928 01528 97425 27012 53286 40637 03701 07640 80698 89201
54722 57152 67372 53581 08922 75885 30885 76128 25405 71066
40839 47222 42852 45062 28870 99032 67113 27087 15931 85716
90922 65557 42806 79726 94188 23274 14783 38915 98284 42624
96418 24135 72781 72999 17348 72010 18056 77591 75057 52570
72221 61786 45576 66438 15810 90321 38006 61254 72639 85395
53847 72024 30321 22928 37035 15089 28825 69154 25648 90381
90554 24731 41205 71686 90355 68552 76502 89560 88910 18468
67922 36635 77950 51070 63151 49946 10714 47760 20246 50028
16102 59268 98983 41408 19959 05818 30438 04236 21928 55121
75712 31697 01299 45402 09772 92926 50303 45608 91308 26094
58291 70038 04585 91345 95216 89540 84179 38310 67886 06478
58585 67832 47391 85657 73594 92634 91173 58402 81402 26596
08154 41954 06372 57329 40369 41393 23397 81742 59548 26271
09803 09283 02064 99135 56712 62541 90705 98132 50833 29907
16708 00885 62580 49957 80461 21825 01495 32282 14361 20173
24876 44414 36219 60742 10581 19561 06679 94771 29919 64827
89072 52963 81579 74613 35157 67905 72535 78871 45168 68093
56852 80924 75624 10706 68354 64506 93326 45348 08064 74744
98983 25931 72369 02747 68906 12890 32860 28489 88203 32919
03740 01694 73922 88413 57800 65383 11564 33806 76844 51799
53415 60982 47536 05364 52142 60978 38589 12394 28064 54113
20242 42226 93562 05792 11959 29462 83057 51427 00000 +++++
+++++ +++++

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

36689 66295 10249 81821 84668 78630 46132 92330 92978 00479
64173 63177 33508 50138 25184 19967 17076 70653 64083 10815
26805 65402 11601 33581 48068 16595 30524 35867 62208 22623
46183 86201 96216 15191 75869 39852 45550 42173 86854 47708
12290 27126 37721 81665 25809 41405 82677 74950 38153 49809
43551 00827 11319 15704 79136 38115 38602 76553 06607 96968
67232 25794 54653 03341 14449 62005 53056 65578 94230 91291
88366 71585 96857 93828 80387 89990 88485 90510 59149 73749
22934 70627 47055 89632 82867 66517 75888 22032 92555 86129
93380 24512 69408 39435 39005 17560 06461 52097 00000 00000

57329 97478 30104 20922 79884 56220 56276 27278 55056 78627
48995 34027 03303 86004 84870 49681 69498 89325 26769 03489
49471 90652 74612 18182 47487 39323 90105 52356 81887 28870
25073 60911 81052 45601 08099 46998 36885 04775 69154 03909
08006 35307 06904 70342 89838 98958 28366 47488 93777 54927
15637 51365 02630 05787 99343 98850 94502 85719 43523 50838
52354 76957 71623 60959 01356 65395 88293 03318 41288 71300
76669 77651 66138 16047 75835 15388 88092 10838 68143 35005
08113 78325 31090 20152 00279 53085 00000 +++++ +++++

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

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

Link 00000 daily schedule 0905/0915/0925 and 1700/1710/1720 UTC

3889/3744/3542 kHz, 01-12, 1700/1710/1720 UTC

11100 00000 85236 30080 10029
 70559 15856 21325 89722 92572 14076 97641 19563 93893 35479
 49621 59275 66417 42429 78617 38256 45295 26495 96442 60466
 49808 56508 84442 93552 97757 94309 90953 49874 79341 07850
 15575 01614 01431 36348 53687 97143 38202 87181 99676 70869
 49048 69207 32278 63698 49717 92195 30483 96352 47608 87056
 93460 62699 77162 26571 62912 35284 96299 51279 71308 00262
 29815 30248 64441 63909 70689 11378 71729 97909 75257 40953
 22718 15585 13144 57118 33204 96288 57937 86967 09430 00114
 29513 01931 43779 40131 23965 11156 00419 04331 92059 97556
 14312 44460 52174 26236 52054 73939 48637 79948 07960 42055
 91422 01307 33843 76598 38123 46415 25923 12162 04150 79614
 17302 46256 12094 64025 49438 90453 16179 27584 21072 08736
 62758 09252 38019 60239 72774 15088 12288 88575 57136 38872
 83947 24930 00943 26969 64192 97110 77487 92114 23021 61744
 77991 05818 70005 01808 67992 24061 01539 56672 06332 25991
 13043 76857 87680 70288 99545 20685 94532 98890 93078 35004
 69611 42776 10326 87196 44625 09482 08967 40633 86304 57047
 76146 90775 45661 84070 97508 04111 21416 90568 80243 27105
 73512 89323 28564 57364 47674 72402 95070 94190 96928 62545
 56426 10721 11051 04100 86788 14828 89841 73198 27434 90993
 21201 11854 76007 40309 49920 15679 43841 60818 48134 29896
 54778 35382 23373 33340 83933 19238 25148 15141 59836 44466
 36006 73762 78393 83536 58005 93094 02094 39112 30525 75283
 42920 52329 40370 34991 52379 46708 10092 84762 67098 49898
 75478 66198 83432 60446 88127 06613 59509 51773 04074 05867
 68147 30533 44369 83069 49103 91573 38587 37823 34060 36647
 87170 05715 42816 49091 03563 12724 74096 41650 22063 58251
 39434 19627 82341 81447 13558 26554 26554 90525 99712 64576
 69987 59752 33370 06724 31185 23802 72744 43267 32472 24164
 49571 29344 06837 87283 78573 26042 72096 39132 49056 52126
 58281 85889 47067 88597 99181 15426 81566 03273 23990 99275
 13029 87568 09986 99782 07933 22685 82184 12110 67565 17365
 70896 95803 04572 84428 63143 75592 65709 48258 08850 16109
 24220 00438 67759 00234 90278 45713 08017 65729 12935 05482
 92338 79872 72002 70980 12729 56757 83328 23375 59659 46956
 65878 62927 36662 54246 44068 14436 56275 59057 83798 01127
 78262 53359 85611 04199 76070 16651 83412 50190 42428 87763
 22202 93374 70063 12138 13243 85356 68438 69286 90111 49064
 02465 10116 14058 99326 64131 58804 02131 77215 12976 58906
 76483 90349 46339 68398 58314 76337 85349 33324 54872 31558
 87561 94750 12969 72457 22192 08706 37422 21554 68898 83793
 97896 35337 26018 66176 72541 16248 39230 26604 01893 75930
 86554 29179 51466 41939 80644 86556 06478 25093 74297 31247
 47128 89656 80121 57723 77898 93546 40314 15022 09274 90742
 07457 54514 15365 13089 22300 62537 15828 73688 99444 32584
 55547 59053 56881 56730 80511 02222 50308 40977 33311 54018
 98173 74223 16711 94641 08379 05526 98716 52774 42580 09348
 57594 24404 79023 43497 90257 08529 59851 29410 32479 01959
 33826 09498 64352 20370 30390 61223 99446 37835 26021 72613
 81088 61977 88802 08875 34213 86977 12164 24815 46214 91581
 73705 02754 75242 74331 80069 20604 09379 43177 83779 79821
 25120 01681 82988 47907 18628 98981 40076 95137 08163 35729
 80034 30233 31145 43148 54570 64630 84289 77443 82870 60063
 80239 96725 04966 39124 19140 12634 08631 63506 98594 33868
 15750 09608 10438 43789 39105 96189 97756 79298 45497 43763
 70611 03169 86167 70415 03878 87020 80426 53735 65660 47132

63456 13553 49707 00273 34202 95156 10270 31729 64303 57691
22835 92746 53993 97419 19182 69533 45914 60534 70183 91045
32774 25204 14810 67728 19796 57552 58748 78395 27881 71244
91105 47446 48439 45378 92594 79603 85815 80358 33679 44350
48248 96456 86091 27272 73302 04719 96163 90471 98716 04942
93414 09259 14590 90374 32833 77296 57862 63848 94279 97388
35008 95026 87468 00103 83902 73446 35938 57411 10771 37054
38477 83541 63186 80912 31419 40215 25032 75780 00259 88477
44375 51227 14021 54288 30191 23003 80822 00075 78868 69321
48056 19428 16444 85764 95653 97129 67488 73479 95839 01702
86593 40376 37834 02659 13404 19985 40932 29659 37100 37691
04403 15736 81315 79015 67634 91793 45384 39630 78980 24575
62882 61800 96726 15251 63388 86949 70631 00868 48403 79009
77463 25792 17375 98271 08985 75372 04746 30407 35812 89000
13985 00352 95596 94743 59524 25748 78950 32751 52540 89608
11573 59622 91530 36928 56002 50912 43601 24889 81431 43973
27418 81380 75034 88312 33765 51499 93224 95664 44623 36727
76300 06948 36731 56475 74901 18312 80551 86673 61724 33446
70593 55104 26926 34357 48006 98157 80653 87775 01406 08702
11148 29410 56863 29752 71842 93206 92979 73632 95913 77829
42008 71308 61700 67521 62942 81585 57442 49562 97511 14857
18779 95478 45038 51095 37431 98228 17060 56757 64518 82518
57689 30318 56934 30457 40632 31093 40238 89729 78794 71054
86473 56473 07436 74322 30379 50055 26786 34019 72405 21930
15080 21176 41994 65759 47933 25372 19541 21000 85009 31807
40493 87130 09901 64482 30011 90707 34183 50186 41634 72449
01550 82961 98386 86515 53002 93754 59765 29196 38992 54928
63040 39163 89492 74318 12315 36512 77899 58537 13770 92747
39732 50197 80539 48913 32051 68751 55658 24064 44533 09628
26508 81245 98146 81363 29200 43190 92367 85404 66351 74900
86854 68273 86660 75321 28551 00786 99750 45275 60119 64006
24695 23859 70670 46634 95678 10483 74714 83492 73219 14743
30265 89824 34397 01312 32050 71082 40523 22039 40754 12883
05692 52441 34227 80830 14639 74777 91617 84891 63368 74896
46338 88008 20958 45035 68826 63634 35998 09765 65025 31887
36100 17272 01523 28997 93902 63153 93286 89752 58027 38920
14946 47612 72401 22401 21527 82186 32413 52216 89617 68763
51303 53538 14864 09584 35261 07289 26767 51527 90644 80000
06685 19929 11768 56494 20012 23178 22689 42588 98445 07821
71445 30004 33291 68829 00163 40675 65735 44741 39483 92635
85038 52340 00748 54673 70569 40584 64368 81946 38619 68455
87829 49741 79951 36424 81754 27563 99002 26212 27482 60746
90679 28545 34574 51770 15699 63582 61714 58473 60393 23707
49410 51345 91931 93371 37960 97089 44885 25676 69109 60646
80000 00000

3889/3744/3542 kHz, 02-12, 1700/1710/1720 UTC

Hex file 44481

3889/3744/3542 kHz, 03-12, 1700/1710/1720 UTC

11100 00000 15937 02082 05029
81850 79724 88932 00126 36568 19718 57955 75580 90824 02376
60446 95651 37364 06528 41108 11659 46828 30569 92873 68036
15186 98365 30171 87381 82747 23069 51730 03264 91946 64770
72635 39224 76079 42949 30299 57395 96186 89639 94049 25202
68268 54260 33025 73553 48024 96037 22044 44986 65290 24969
90165 55175 25376 77251 41602 16274 19488 36132 03688 95495
11412 34092 81586 07400 92661 97329 24419 63293 23267 18452
32512 26209 00399 68342 60441 44882 22006 83108 95566 65171
37666 87080 16743 42354 03829 37776 62889 02748 85639 03770
66117 28071 72535 11418 29089 61010 99795 21370 51309 55406
93236 20793 34021 19509 79243 42266 18415 25737 27313 45265
36810 85383 17312 21191 81528 11689 48625 07858 21120 19740

33387 24407 18644 36622 40980 62554 31684 20259 85995 95135
98798 10382 76835 87860 42073 60068 67143 25239 40478 21283
77263 86599 53720 82858 77897 33145 01258 84357 53163 91975
26194 54250 85228 48031 98706 45844 27720 79873 38725 69409
60088 00255 62531 43930 40115 87414 82972 16920 96752 18029
17978 25746 30489 37762 87056 98892 13406 30353 00481 20604
06151 71172 70824 07341 33973 76194 01558 69494 89041 82307
32376 56791 51210 19920 45959 10825 44440 63780 65839 73155
71038 72967 00071 22413 90930 55966 10392 38843 38130 21787
11557 19730 91608 03054 30535 94134 42744 62008 80260 10392
26543 15353 27616 94792 08814 38882 60351 04900 46489 37844
82603 25931 63279 93950 93727 83636 07846 24991 30110 72133
86677 17982 74659 20105 88870 21787 63664 43821 44977 10149
45691 60420 87137 51066 72235 59867 02661 43459 24787 59055
98250 07054 08010 86464 17066 36432 63730 70830 75800 55174
85407 32246 13968 31035 37775 99155 72582 38101 11361 99648
44418 76852 66539 00523 63048 88069 46838 92529 22827 21528
66157 45250 47027 45421 99613 80037 46302 07434 32675 34469
34677 83417 48293 16728 95233 74605 56702 73374 12702 39290
97588 18929 15129 69921 69307 00708 91812 51545 64838 97357
79701 62530 19168 74507 35433 03520 97783 45994 35205 65534
80968 14093 69666 73186 23590 87188 26017 63915 95050 98316
74501 89207 29121 73036 01481 48716 38307 20046 56278 93238
72464 42992 03985 57470 26335 96912 01397 08486 25701 37738
38302 20880 46832 38302 11275 14508 48930 69297 22177 15751
24244 68597 18564 28272 95546 47408 18159 24164 15667 06668
84608 91458 48757 62135 46689 98912 37989 01614 78156 64017
89359 22738 80435 35177 26297 24761 35320 23970 94762 52790
19883 48457 23519 17897 00785 73462 69264 41545 50161 58751
01324 97768 50277 51076 05570 51551 79140 80985 12272 16822
94265 50377 77565 82525 56759 21693 73209 80194 62932 44725
64346 91462 75615 81945 79923 18957 72373 18322 05488 69007
52798 66529 53031 19607 72069 03523 87566 72069 92977 99381
15138 09810 73589 24388 61937 12694 32740 45261 99227 00392
60554 46487 93752 03174 66170 37687 88317 83581 79850 32955
42241 57420 51692 13111 86352 87501 14086 06796 72227 48579
00152 51352 20354 86912 35303 19436 96905 22898 44155 22275
73820 70203 39943 25534 51865 69844 88653 38717 51375 62636
82500 00000

13956/13377/12213 kHz, 04-12, 0905/0915/0925 UTC

11100 00000 35678 03085 03029
17866 59583 19732 49608 26231 7838 57354 89222 67956 309030
60644 66893 97952 71857 57208 0198 83547 57316 24927 975534
96399 79968 75371 72063 38210 2888 43949 89151 03487 736229
30558 89861 98827 01618 08995 5622 48504 22218 24668 256005
25711 59636 30977 94898 68904 2735 56885 48335 21967 989655
52097 06222 07061 90480 69438 2727 42535 45366 17663 083251
23192 21949 60353 47173 38784 2700 25690 66555 70480 107525
11631 99262 71304 17725 89984 2262 62020 99330 47621 860588
69657 67154 20588 68501 91796 5193 22103 68429 59235 731738
50283 07692 25495 30052 64276 8616 34231 34612 65290 712312
96527 77028 18966 62368 55687 6750 99624 83048 49140 354899
42763 38515 47020 01204 69975 2598 50616 12959 59401 849904
10595 07489 19820 49147 00857 4338 99407 45306 07805 389690
88001 39004 10309 68620 95825 6850 23226 46352 05991 356692
11090 42645 58516 54768 77439 0766 11704 45009 44477 184051
28804 13687 65503 95596 96164 4974 29740 89012 12805 526906
78708 08707 54755 95964 35292 1554 14590 72365 96850 330600
42685 97284 96932 32358 40067 7979 35064 72269 48013 920066
41306 71198 42372 48043 56581 8105 94180 60941 85234 743723
71089 19552 41044 74502 47296 4133 59968 84634 14947 216644
45936 63899 57833 06105 55655 4516 93056 71685 12044 202786

79173 22948 68507 42243 28266 0818 79739 21918 87079 385923
91927 22980 54609 75664 25887 7871 46131 64107 07077 084886
63345 19076 60155 28888 70188 9481 18304 84752 29973 102013
04681 24731 35617 53602 38179 4370 85658 93214 11556 035605
48741 94823 31471 91992 36611 7272 05812 73329 49406 668936
54873 50354 20912 85386 20818 6134 19614 63287 56396 351171
43835 04163 85285 85635 72504 1470 10118 81742 77401 040743
52771 26245 92822 09496 75359 6017 10165 32101 32671 870504
44366 06514 97395 57234 32120 5281 85164 16735 30366 247578
85300 00000

11100 00000 72901 03086 03029
82194 21684 26764 38596 96244 3361 47441 51480 85683 882966
96746 22580 67568 52520 06751 9734 73303 67737 11533 545784
22229 55551 53149 98648 51517 5677 78312 41725 33572 371552
14677 08218 80697 67769 55506 2623 61582 84702 86193 469494
89932 17852 73714 97465 78969 2797 54424 32575 47899 822910
02135 77674 82837 22968 05068 9725 76384 33592 17185 953373
15260 47499 03702 89646 18574 5691 13048 99987 13931 049561
43192 33592 73700 24172 98189 6155 39467 91648 30452 455697
70626 86719 29996 63400 55297 6301 88704 78063 87239 458001
84367 53762 43192 00678 55156 6457 23067 45086 59799 178385
98610 88319 91221 59776 09009 9376 16684 18568 00638 863980
54767 10552 62302 28210 33474 6325 17856 05796 44790 280371
72567 87510 80594 05665 93237 8718 08699 71027 84091 256699
30852 13475 89714 30723 80621 0853 13578 71376 55289 823497
19842 86713 13712 71506 97471 5210 87369 17033 15564 210383
38011 35848 98823 84249 97054 7913 55317 83340 96874 561858
62264 26794 28472 89648 72668 6450 38755 04815 53302 666642
06153 11464 54854 71242 51657 7756 40864 10844 93833 110555
53620 43161 09316 94272 24685 0333 34681 92704 32485 736082
21479 12222 96768 58842 16817 2422 97158 09770 48973 054760
18781 30164 52962 68858 45300 7444 19046 52553 91738 192580
41637 42651 03635 99500 15319 1066 46273 79518 71952 685070
24179 62227 17844 12089 35526 9584 94841 26735 07462 258685
66447 12269 50168 77412 96240 9776 63911 62349 30356 470056
34322 45167 24420 58159 00888 4291 41108 64784 96462 905555
81372 71709 81113 49186 82046 6999 05870 12613 30234 901960
34029 96112 98547 12417 23367 7678 51547 18308 79830 115897
15938 23555 59161 52181 54047 8143 30464 65722 75324 676472
21070 75485 75121 88266 39690 0461 28985 55227 43551 983324
84276 43815 66094 78970 68441 5475 37361 89199 06669 492535
86300 00000

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11100 00000 75431 03089 03029
85241 97184 83388 56229 01567 18894 08655 47711 92428 79033
31376 35801 27092 32303 41928 31743 33526 52317 52198 89074
25011 08374 98205 10537 03399 25535 59244 37488 74981 07694
91953 14043 39885 28310 02776 43088 40943 18519 07225 76394
82976 07286 49416 05989 58424 93296 80276 48988 40252 53279
17895 43080 28096 16437 38434 94825 58553 59677 71041 47995
15578 03339 95212 64097 01913 12083 64023 32315 57490 30660
01682 51016 35741 09217 48839 48034 73760 97846 54083 31909
17248 15064 35066 91268 86178 19898 57697 84545 92127 42273
06844 87215 43200 51397 46962 88731 97486 66804 96122 56368
51001 41782 61838 08138 71022 73829 12155 61977 10784 21868
80427 53393 66454 34875 27233 38754 62332 21624 07840 26412
75205 16230 18689 02842 33812 19190 21311 45990 54327 18585
67128 43019 97830 21158 71568 54632 60682 47935 10930 93164
33741 74090 40448 06641 91375 17730 56982 85965 96192 07296
54766 37454 30430 82267 47678 87880 89940 06852 56430 14231
01720 01347 84157 15351 50897 20876 28808 67682 28147 36163

05799 32259 33439 96053 79349 05166 97075 76458 25960 28641
03960 45409 78445 05013 32007 98919 23975 80649 40675 47329
54553 92121 70510 56826 93387 91759 39680 75835 45559 94787
48405 00950 46455 15234 27249 62110 06395 82793 90185 31702
74878 57834 78393 87268 72908 86742 05707 82530 66805 64778
41668 06382 81977 98645 93110 34572 80062 85953 70221 03750
47882 53757 48005 62549 71656 23377 59103 79426 94912 93662
78894 11915 83510 59909 88818 66993 46247 10609 28861 07258
84457 69210 75133 82580 69062 73096 03492 91944 68485 06954
25127 05143 75901 32715 05061 99022 09224 83286 99497 87980
82293 12223 72956 53365 70690 16543 81120 01515 20619 74890
30362 05073 74284 68200 49847 07311 10227 75082 37188 94117
22023 59093 63563 63352 83804 90093 49247 46249 76037 66874
89300 00000

11100 00000 76902 03090 03029
83654 81520 93022 02113 34219 96694 87189 97145 93950 36059
76878 56726 81400 90484 82056 83682 00730 05849 32464 03557
38795 87221 82334 06928 20545 94564 82631 79340 02391 28373
02986 79767 08264 28687 20533 53537 38031 35931 17837 90681
02963 86998 57071 65628 67938 45030 22672 19172 05078 86324
49618 68678 88485 92810 79563 57440 84800 23527 11971 79135
19222 63539 42462 38320 21729 73743 05564 32889 83144 89975
64028 69456 75766 44883 11932 47572 18223 10987 83722 73734
89265 88366 86419 91115 20170 85419 97139 35958 20433 66117
93142 56556 16470 62211 06592 55784 07973 73807 21196 43088
71647 06765 52948 06895 66987 20346 82120 43367 23795 83557
28723 02436 16125 63622 88608 37069 52341 95014 72403 66689
35977 02501 14467 90692 77079 76622 44043 13006 58731 25058
35828 63611 88438 48299 82095 27986 89065 13081 53612 20383
09008 22008 41498 61906 56295 02803 97235 49299 86305 65627
13011 25402 97777 01902 09573 87196 16812 23069 23801 92396
73553 62737 13167 50504 01232 90639 19279 09279 12252 11845
57693 72552 31026 49664 26186 10335 88232 35681 48666 47130
06183 55351 96925 39428 29991 22609 57403 78281 84236 81908
35157 77926 59799 61148 12234 36369 60550 23911 02622 78886
64610 94458 70962 20373 79829 53918 07237 07476 98204 31092
74578 26447 78902 36342 72429 87660 14588 11975 82214 22726
60740 97563 87718 55132 32641 33658 87362 30375 99732 52300
40558 16484 32017 27804 15333 10901 78207 86221 29415 14645
80289 96933 01961 59699 54209 94817 58111 00558 91352 06412
53573 05868 60518 78518 11407 11110 15067 32696 88199 18252
34928 94057 11836 53309 58162 67826 58026 17757 81763 62089
57795 94720 36380 80166 53116 95898 64659 31059 42876 60137
57878 31396 86361 39609 30581 97318 56451 34519 37874 49754
59702 62291 65099 81493 65516 72163 44546 59532 11582 41125
90300 00000

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3889/3744/3542 kHz, 06-12, 1700/1710/1720 UTC

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3889/3744/3542 kHz, 07-12, 1700/1710/1720 UTC

11100 00000 96354 06002 03529
47409 82901 15407 28783 52951 00502 98081 41582 44432 47176
37079 61086 46492 89851 60667 71791 72319 22958 58455 84011
59873 43300 24493 93165 87112 19944 75479 14569 64665 51320
05008 98387 29379 26717 59779 54465 87182 34349 48725 41695
78708 83209 20981 01632 66098 30867 73646 41029 64448 34414
75259 92992 66311 66743 15944 11431 32706 65345 20142 78492
49067 05815 82889 29690 69579 17248 15564 26369 98319 81724
12036 30245 80659 85059 71175 59671 03354 11008 36643 32331

26764 96120 39895 24043 97646 87426 57361 98375 15938 70137
17711 86736 53992 57558 20159 23651 51688 60391 49740 66892
35861 77627 00503 57171 37480 76200 42533 97059 05023 51598
93786 53839 37477 86628 82623 15969 85409 50502 12014 57846
93536 05450 61339 92559 83237 13031 86724 17321 98448 57355
05852 81250 63369 27369 78174 30226 25428 25419 16486 08461
81933 94277 90767 21509 13860 79803 10269 90388 75194 71438
94734 51500 11290 87724 70740 82033 04663 99029 54060 55558
71663 04661 04003 57465 58468 06569 60666 14972 09824 46814
01030 21353 08978 00997 74840 59107 12249 44823 06218 51734
26655 36012 71915 98807 04048 78718 92191 74042 50187 62659
95198 91037 72199 94141 40861 66376 12846 61164 15152 34786
45048 99798 30723 96026 25106 54018 94820 98213 28041 46176
30418 87248 13512 00316 61514 77050 95724 85498 98531 20283
15797 71341 84738 84243 39987 12943 89655 61632 32251 07402
60369 70857 74546 89095 66686 25586 33333 55917 01086 78220
95696 43665 19381 66987 23544 90752 33050 21326 99297 60446
89163 05264 61538 12806 98839 03477 54017 43524 00181 79696
36496 31843 66618 62187 30827 64741 96602 35945 00739 29584
45577 46332 88739 92405 86180 43820 58595 04040 07605 24539
16804 01253 90050 46308 11518 95098 15223 24846 32345 63655
98789 39844 59455 91357 55763 05591 35459 22086 34717 85832
58462 18217 81798 57565 19755 42824 20453 53428 34571 07205
57821 37413 39344 50925 53720 93549 53910 46575 13174 32275
32085 46421 88400 44160 49065 13134 01228 55692 99074 01790
21839 66789 01706 85329 64815 74749 40390 40661 88397 14304
81440 37590 07906 68477 47083 97779 59262 29935 40946 15906
02350 00000

11100 00000 37698 06003 03529
08008 55897 15612 81949 09614 38575 15430 79117 15436 15558
79434 93328 51076 84939 23560 06569 13058 37322 15727 08025
70236 06612 48588 51571 19997 94747 81912 61410 85171 00038
03022 28029 62613 03802 78737 61692 59376 94995 97273 95628
77425 37516 23501 56122 32818 09868 16033 41676 20297 71881
79557 78455 59235 38166 50876 44180 81860 62996 42052 77665
49701 66303 89141 16192 09202 55469 79917 27900 22423 22616
59040 31386 33788 22061 34111 19696 58795 57640 31027 30901
05646 34587 72111 32441 65710 55636 75415 11424 33793 66067
98660 88078 44107 77354 76245 94525 32918 24120 22753 86077
63779 34070 01403 77245 76307 15614 80879 19635 44428 92845
28982 63929 55029 42566 16520 73141 42969 13061 29908 79316
43361 29288 15885 00891 47086 14187 06801 62872 70467 80787
99907 87043 75033 74804 89092 44376 98331 72413 72487 86833
81694 62881 84395 00759 05937 70757 24978 49031 70883 97294
86120 94182 79693 85801 96936 19654 13901 40605 37339 91385
10119 54315 93108 26929 74339 23079 50908 64261 94769 54505
56675 47501 39138 97961 85831 71697 47417 51913 98743 53897
55885 28003 79878 22661 13481 76562 84087 43232 76374 03229
38453 20532 91705 31363 73143 47176 06411 89964 79707 88695
62094 31752 20248 23159 61863 11111 35913 77370 20083 76595
28135 26838 30970 57663 11074 51701 16976 50338 58674 65803
42893 31488 94798 61090 06621 56400 99862 34540 42524 19347
32412 89784 98339 81826 89072 30641 71537 98166 51327 88712
16111 93182 92536 52266 55696 71566 43658 88568 63995 63708
41093 76856 98405 37628 05094 94151 97819 31710 22181 21088
80519 87921 30006 59948 03103 90213 28077 82091 66391 37779
62823 46969 79237 07863 60391 59906 16185 87814 05648 60837
29918 81063 90806 61194 04424 16703 82119 71119 59823 17386
78074 84202 44797 05199 57534 11919 77544 50213 41254 84970
21217 91409 15214 63702 04764 84637 89207 24793 25119 57325
89119 16395 91683 74609 06337 98931 99020 46583 52719 13711
38713 31338 94580 46574 86323 13499 64108 78739 24386 62935

71658 42048 87369 03334 67374 20784 39551 45321 25555 67276
21744 63824 50213 23444 27797 24364 25268 65495 96832 87948
03350 00000

13956/13377/12213 kHz, 08-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 08-12, 1700/1710/1720 UTC

11100 00000 15986 07005 10029

88834 45457 88013 54276 59371 10600 04824 37862 95184 80180
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62080 40202 63984 43709 46119 00768 30288 00707 99044 07722
89872 88603 17985 47653 55433 44677 33348 67701 13144 27110
47639 13375 30459 47768 68119 35598 10118 35944 94248 71685
13767 50237 45853 29931 03654 80762 32745 21351 72442 42567
63203 24998 94622 09779 07828 56538 72416 63458 52062 62650
81498 70536 41009 01243 74115 83733 16821 25821 06526 03060
48174 97906 52047 98603 77971 69292 35911 36145 68232 65605
23899 31222 65693 45244 37348 68009 11088 23225 32016 63391
16868 89720 18762 00015 72156 15598 38194 61749 75479 64360
37196 04869 92463 60414 94120 77749 23071 68968 37042 05898
95484 09239 28516 09494 22600 80636 15285 45650 82046 06636
66349 92560 05684 26000 47873 17731 89507 86065 08327 97475
59901 17758 72332 79884 57180 97036 66634 08416 22349 22452
26634 48335 98021 63502 56932 83171 79446 59482 44312 73371
76554 73505 46596 94361 72990 31388 05830 96179 93048 00086
59208 51888 12459 85366 46199 86932 73954 53417 35299 06653
93567 06049 18846 64124 68580 64216 49343 35515 23074 39520
15726 95155 52018 98384 82997 07502 49828 48598 43695 78173
34331 02909 54595 31273 02085 99351 57125 05152 75977 83009
04889 83826 31051 78877 46770 06229 09490 10540 39038 20466
60696 44322 84885 75297 67411 63632 24858 66003 43803 03155
26593 76834 16468 97599 47309 87228 24274 24692 67499 33992
98000 47081 19237 46615 05686 82870 57563 97929 74646 59442
48366 37280 26093 30272 71211 98402 83269 59422 60544 99199
39084 03395 33710 75597 94133 45034 79231 16668 01086 59176
03774 93216 76341 14712 61242 97005 64919 42770 12442 32816
69506 25707 88742 30525 79600 86567 58189 69390 61687 83741
17485 31737 96398 40468 58296 28209 73566 63902 81306 61814
81140 33409 56465 22902 48877 62793 52866 32303 32763 66133
86688 74793 51088 81928 60643 90081 08122 35217 93363 13495
66327 42386 62172 83572 53040 88338 07664 58731 12567 30705
73541 10204 39620 10806 80150 83435 55050 76029 55131 45120
09792 43329 69645 58078 27973 58515 53606 51142 25122 31042
88344 76257 62409 48969 00161 69978 22865 03779 03187 61535
20497 79755 65007 94686 78271 87593 93469 55517 35863 46939
68121 23385 73141 47537 64719 87197 60305 43686 46233 94211
70626 61678 18803 23538 16720 24913 76066 01538 96288 26378
80302 01306 58283 03181 53836 93423 25402 92814 79125 40162
33882 75850 30987 50338 76509 34752 89376 36994 59791 83475
06187 45110 11226 47571 24473 41504 97603 99452 73568 84146
40292 78535 88510 13042 38412 50920 27222 29890 35883 88319
83883 58695 93235 70906 21937 04530 50158 43780 75150 52622
89700 81728 90193 74965 40071 41981 09151 36638 74973 09639
15409 19013 98417 65464 91372 02053 24935 30725 61422 72870
91146 68776 18571 52754 59613 48062 58244 59826 00912 96239
67632 49546 64864 00102 44043 00222 76876 30978 40695 35734
20299 00330 63391 02659 90769 75187 66513 43960 33464 08160
21758 36466 99188 61661 58077 84289 80270 31082 96243 85404
12156 96562 26479 13547 51677 58065 02585 82633 67920 33448
51027 85900 06617 24200 18384 26917 14017 78544 05620 84700
31174 06599 62609 80087 94568 27265 41356 35565 04023 51549
31336 45755 43839 31991 25408 00714 68095 32903 89733 29270
86040 01088 36131 54555 08522 41735 20315 78934 41389 29184
14442 40521 36804 07234 27423 08459 38405 58692 71422 09157

81246 48852 97978 00679 32472 72582 52200 37452 83637 59709
18464 92510 30640 18406 56054 29430 02176 21234 48175 41168
22678 63569 12791 97981 20654 49064 48706 71616 18382 81856
15354 27952 63885 70198 69695 05291 91129 71204 08699 20478
19386 31393 90816 70048 27682 02724 34904 18571 65300 38807
20020 91389 84238 00974 34541 13955 04586 28905 48028 64910
48746 55487 04291 35152 05442 70604 59072 10018 09448 63539
10811 16820 47983 98672 97890 04889 29693 04177 60852 50333
77179 78377 92966 02683 28989 43487 27630 15625 62026 01382
36021 29002 70303 71123 33435 94269 60980 12899 17758 60601
53625 68079 88502 63818 93637 70082 19851 85349 15765 05711
86133 73387 18660 31681 63192 43444 36408 76006 54058 00491
17962 78935 12380 49865 50426 53120 62052 89130 87131 67724
36461 98091 66423 86132 85806 69128 32117 11966 25923 45061
91546 23085 27044 56715 72153 98266 65941 77380 62540 66247
89885 36362 48943 31815 65862 58786 83046 58641 13470 23874
42084 13535 44955 58855 67165 01816 60814 10717 90753 48483
74395 62967 89254 04872 63941 89610 21630 85494 75515 63514
39989 64732 25239 61361 83083 88085 74288 32364 88660 77665
75077 22949 85593 36599 12076 74567 51737 82061 85683 36860
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14326 32983 98329 31119 78975 30995 45721 72219 92588 76612
46631 66152 35636 91106 77009 15693 12116 20033 67449 62845
52237 90384 07672 05020 62069 02598 25329 82795 31103 12119
12561 06452 33664 80196 98739 13461 85106 98614 92852 74113
38730 18026 43938 87494 34357 34592 93039 34961 34511 14613
15089 83335 09125 61830 74174 54995 54723 57092 40628 07038
59020 25071 43359 86722 46857 07723 55886 55361 68429 49164
39491 97863 15736 21669 91947 60105 78187 47465 75249 81319
73314 96017 20776 13697 13509 61487 35345 46377 94739 50055
56575 76023 18173 31796 31006 91170 80652 36789 13408 62522
94947 00160 10723 56398 25742 85723 19066 13513 52269 42947
27241 60274 93551 76880 85183 44786 57176 35778 60800 14748
97534 46075 33607 79437 94485 49418 98632 22960 88355 21436
79009 60956 32225 76930 70696 57955 47446 91183 67761 47558
93309 92070 41676 22642 86813 02650 73045 87771 33473 38939
59219 91004 55089 92551 46223 77277 25447 52878 58433 30564
49838 48516 24455 96989 49392 12619 22622 06089 36112 01855
94564 32395 89577 23680 00282 64553 71251 51583 13157 74136
37308 33019 78344 01356 35946 19697 82985 99852 00106 74927
11666 07769 71534 37696 85571 37260 17140 48179 08772 99661
23561 64356 70067 08490 80905 24434 73846 27452 91579 34754
98376 55675 65155 87877 04979 67320 85209 40537 46519 47786
05000 00000

13956/13377/12213 kHz, 09-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 09-12, 1700/1710/1720 UTC

11100 00000 32164 08007 03029
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41140 97808 00566 54411 63918 37663 86581 02879 21520 18702
40416 32735 61627 10361 39402 56403 50133 36034 45110 79761
81539 68792 00707 82678 50387 32284 54189 28947 69652 36492
55940 47793 47066 03048 04030 54160 55268 59778 35718 99947
56756 09185 88580 73391 69550 00528 79698 88787 84525 60219
76358 33716 70331 60198 56692 65992 26856 28986 83688 77500
73161 35102 41035 67109 80820 97530 04198 89867 88617 02929
45204 74641 59514 34257 94553 27409 65858 40523 08686 62379
13734 02328 16463 28139 42425 72900 43089 20993 59905 99308
34907 02713 00301 53528 33516 64860 14268 28070 72638 06883
28212 75842 96180 20162 33300 98935 20921 95213 90184 16027
92269 94210 60400 63080 06524 56036 00348 07035 98068 26037

78818 77175 14961 27669 03990 43858 31321 18231 70832 99292
69985 95867 64861 20059 33848 50023 83178 16050 69330 72544
58730 95534 10420 71620 98733 01009 76704 55726 73189 95546
23866 79794 14444 04323 70028 70764 13708 40993 46447 74718
25501 73638 45932 92795 15934 09932 67473 98048 15777 06243
80493 50456 64256 30351 57164 52263 54501 32459 46232 10839
16602 04197 86775 01248 99189 30298 85353 45707 35496 62645
04959 52133 04826 71357 39237 78953 25364 52626 70383 18378
39288 97966 34181 15312 76084 54594 40599 64105 05036 31588
23394 50317 12799 31555 17158 29691 67029 12464 85238 61519
51962 09339 46980 38598 86917 70515 77719 80940 63647 88120
79968 85461 63465 27491 49230 48789 40103 85196 82877 05426
79229 30367 05543 48416 70557 09008 09434 24731 53496 15992
33051 22534 22271 64411 26697 92546 01454 06987 78261 70669
27841 89205 97680 94061 99622 38895 83537 27877 78760 21902
20220 44815 57541 18579 79089 24705 25218 00751 22087 66286
07300 00000

11100 00000 23561 08008 03029
28502 05963 56786 56463 47427 13981 74679 89140 97870 56456
13268 87653 90827 86006 98796 74012 65333 17697 81084 44760
16285 61925 66681 80463 60645 49192 11481 52564 90468 88956
83756 82286 86171 29765 33540 31283 88502 12833 29280 28698
52635 36270 47737 64353 32831 72141 28022 02731 71106 03548
25746 97445 88335 73908 28196 10889 01244 65643 16492 68742
13703 50434 85641 04039 55791 78259 58457 70460 69041 97378
54248 29566 61315 22473 98237 41626 79749 93101 82640 14767
75199 89694 15342 92093 56631 99240 17104 81499 58886 47877
53251 57826 72265 42555 10766 92084 07369 88980 56723 87410
93620 78008 39026 26448 34933 57681 15345 59839 70924 33103
21235 90525 17153 61329 13339 33528 82779 33467 48626 55908
89125 61166 85615 26590 37530 09694 18492 30738 99972 44780
80082 28362 30881 85421 74614 61862 23574 79821 26195 42176
59763 46673 53949 68230 25566 48958 09762 59382 92452 92444
39548 05536 86579 66092 54000 64622 94934 66533 19745 62125
81736 73818 06843 72355 13525 70630 53581 86138 16386 22133
34486 94628 13734 58656 42489 43911 18103 28399 21201 40102
75383 12342 08217 09621 84927 18553 75387 44322 43978 98071
77013 86186 89853 49569 41874 31243 38317 04963 70054 57418
41579 13169 20479 06004 14366 64203 00124 71414 01491 20782
90808 78948 85369 49642 74541 55209 56910 69756 43318 20901
98222 59619 04347 60672 50583 90820 16612 49690 66086 80054
19724 41656 66427 76794 40999 47919 57254 28782 91684 62398
71517 92549 88299 11992 40269 81139 59995 37163 14332 66222
27898 32386 85292 76799 67359 01146 79244 61669 89049 05176
21722 07858 99844 12620 97265 32185 29431 74807 52053 88171
33566 86331 13034 55458 09949 08118 22003 03940 87611 58155
08060 49785 75794 99612 46875 45545 83224 80985 80219 71529
43745 07991 94175 20636 09232 51888 79490 93831 95723 23911
08300 00000

13956/13377/12213 kHz, 10-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 10-12, 1700/1710/1720 UTC

11100 00000 69432 09011 03029
79013 67153 35953 18513 39473 86864 70678 18584 00087 31363
01024 13008 02775 83093 78354 29283 13420 88425 94356 00039
41140 97808 00566 54411 63918 37663 86581 02879 21520 18702
40416 32735 61627 10361 39402 56403 50133 36034 45110 79761
81539 68792 00707 82678 50387 32284 54189 28947 69652 36492
55940 47793 47066 03048 04030 54160 55268 59778 35718 99947
56756 09185 88580 73391 69550 00528 79698 88787 84525 60219
76358 33716 70331 60198 56692 65992 26856 28986 83688 77500
73161 35102 41035 67109 80820 97530 04198 89867 88617 02929

45204 74641 59514 34257 94553 27409 65858 40523 08686 62379
13734 02328 16463 28139 42425 72900 43089 20993 59905 99308
34907 02713 00301 53528 33516 64860 14268 28070 72638 06883
28212 75842 96180 20162 33300 98935 20921 95213 90184 16027
92269 94210 60400 63080 06524 56036 00348 07035 98068 26037
78818 77175 14961 27669 03990 43858 31321 18231 70832 99292
69985 95867 64861 20059 33848 50023 83178 16050 69330 72544
58730 95534 10420 71620 98733 01009 76704 55726 73189 95546
23866 79794 14444 04323 70028 70764 13708 40993 46447 74718
25501 73638 45932 92795 15934 09932 67473 98048 15777 06243
80493 50456 64256 30351 57164 52263 54501 32459 46232 10839
16602 04197 86775 01248 99189 30298 85353 45707 35496 62645
04959 52133 04826 71357 39237 78953 25364 52626 70383 18378
39288 97966 34181 15312 76084 54594 40599 64105 05036 31588
23394 50317 12799 31555 17158 29691 67029 12464 85238 61519
51962 09339 46980 38598 86917 70515 77719 80940 63647 88120
79968 85461 63465 27491 49230 48789 40103 85196 82877 05426
79229 30367 05543 48416 70557 09008 09434 24731 53496 15992
33051 22534 22271 64411 26697 92546 01454 06987 78261 70669
27841 89205 97680 94061 99622 38895 83537 27877 78760 21902
20220 44815 57541 18579 79089 24705 25218 00751 22087 66286
11300 00000

11100 00000 23561 09012 03029
28502 05963 56786 56463 47427 13981 74679 89140 97870 56456
13268 87653 90827 86006 98796 74012 65333 17697 81084 44760
16285 61925 66681 80463 60645 49192 11481 52564 90468 88956
83756 82286 86171 29765 33540 31283 88502 12833 29280 28698
52635 36270 47737 64353 32831 72141 28022 02731 71106 03548
25746 97445 88335 73908 28196 10889 01244 65643 16492 68742
13703 50434 85641 04039 55791 78259 58457 70460 69041 97378
54248 29566 61315 22473 98237 41626 79749 93101 82640 14767
75199 89694 15342 92093 56631 99240 17104 81499 58886 47877
53251 57826 72265 42555 10766 92084 07369 88980 56723 87410
93620 78008 39026 26448 34933 57681 15345 59839 70924 33103
21235 90525 17153 61329 13339 33528 82779 33467 48626 55908
89125 61166 85615 26590 37530 09694 18492 30738 99972 44780
80082 28362 30881 85421 74614 61862 23574 79821 26195 42176
59763 46673 53949 68230 25566 48958 09762 59382 92452 92444
39548 05536 86579 66092 54000 64622 94934 66533 19745 62125
81736 73818 06843 72355 13525 70630 53581 86138 16386 22133
34486 94628 13734 58656 42489 43911 18103 28399 21201 40102
75383 12342 08217 09621 84927 18553 75387 44322 43978 98071
77013 86186 89853 49569 41874 31243 38317 04963 70054 57418
41579 13169 20479 06004 14366 64203 00124 71414 01491 20782
90808 78948 85369 49642 74541 55209 56910 69756 43318 20901
98222 59619 04347 60672 50583 90820 16612 49690 66086 80054
19724 41656 66427 76794 40999 47919 57254 28782 91684 62398
71517 92549 88299 11992 40269 81139 59995 37163 14332 66222
27898 32386 85292 76799 67359 01146 79244 61669 89049 05176
21722 07858 99844 12620 97265 32185 29431 74807 52053 88171
33566 86331 13034 55458 09949 08118 22003 03940 87611 58155
08060 49785 75794 99612 46875 45545 83224 80985 80219 71529
43745 07991 94175 20636 09232 51888 79490 93831 95723 23911
12300 00000

13956/13377/12213 kHz, 11-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 11-12, 1700/1710/1720 UTC

11100 00000 94257 10015 03029
01156 73312 10986 74950 53445 67727 15376 95878 39983 44962
99576 83483 93329 99925 73654 40702 66231 61659 84358 83985
29395 00953 46936 71075 54119 62266 98510 36690 34484 93415
40243 72061 28774 71443 60446 09256 24828 48119 55843 96213

59004 63513 93153 73452 43445 01061 78212 88372 81327 82581
24776 08085 74793 26669 40246 16727 55240 18902 70451 08175
90663 67303 70719 10115 49740 41496 95394 00392 27332 18987
23000 01583 61105 87014 59239 64731 93954 73404 85006 78182
61910 04862 41617 62445 12221 16146 70420 37035 81304 58558
49000 70221 87245 81192 91146 47627 16535 83359 02781 20611
09726 61663 11026 20372 75717 00123 08611 48714 89328 76809
80793 81410 51863 85422 06989 45102 19351 95248 54293 53667
28150 97922 05092 15004 72607 14465 85934 44155 14446 60988
89866 43729 28588 96548 09408 37530 15084 01556 22360 68356
31850 60187 97639 95894 27884 45248 13310 55652 81668 28907
04011 64854 74427 67744 79975 86259 52937 35567 84809 85820
61578 02397 84230 45125 48312 83102 02950 14569 74262 04094
51892 18177 81613 61514 12927 46037 99481 69383 73312 95254
92473 21112 27031 45387 81598 12836 85209 79290 92236 02006
62806 85306 08848 99661 33758 01741 41101 19849 71766 89560
31120 34582 18922 44258 56526 07831 49347 82802 08979 06939
20041 66632 52877 14919 26125 46622 93937 92070 02667 40959
12319 60349 40276 81857 39981 08925 06652 92076 86973 44371
91283 77143 46338 33924 15479 44244 32310 15237 74905 83716
31508 71084 06853 74069 71800 92444 99376 96476 38533 78387
84533 69689 92811 46232 82878 41283 71518 50387 91423 96201
73757 33319 32243 68514 63410 57088 03904 67341 42497 88894
02920 52871 75017 39055 07417 23413 65981 74867 40182 99430
25285 58783 53306 15470 71153 84348 01588 55953 52814 08315
96900 95742 97096 02402 60696 31436 08644 73107 16851 14319
15300 00000

11100 00000 43568 10016 03029
55329 65672 08553 58105 03221 48591 64565 65861 83484 72471
72463 26244 81958 08084 68980 12352 86269 79279 76972 31415
72302 39091 04636 14617 22015 02556 28405 25358 33539 40976
82988 03173 09507 67287 06968 85478 34532 67230 17402 74336
77792 56010 11870 40432 81649 65129 21395 81437 22233 89086
62685 76964 52945 46625 63128 07281 66807 36222 56975 27991
38591 90497 76153 17854 32672 59245 84150 41938 87550 75753
26397 97292 12959 86127 95591 33327 60514 46273 35409 64086
53836 16257 31016 14608 89078 06709 59853 68545 41808 56963
01095 09251 41170 49634 27249 71506 97271 91290 26317 46077
92732 13944 27962 04296 74323 77018 32113 34846 05653 74499
63451 09943 66810 76940 00215 23093 11939 63029 50754 65633
20637 20382 76279 34214 04156 20276 83235 86431 52318 95978
33750 86798 32097 79395 47575 10229 73788 75694 93979 95223
05722 80607 97013 63965 23448 70100 02593 51480 04329 17089
80839 11084 03478 14895 62105 88266 91989 12127 30137 80243
23386 88677 20792 23320 39227 27517 99774 75282 49816 61975
17801 85002 50945 03207 66649 66424 62603 77510 84524 19142
00609 28201 84177 62743 17075 61728 02215 77110 70673 42706
93037 65871 12609 67570 15849 85167 99264 71527 88160 04963
67435 48496 04249 95040 33107 88722 41977 52904 99694 63758
06448 15763 86705 13494 83902 23774 14739 14924 04309 26760
07775 37342 36086 51553 98687 13649 61388 72185 48917 82461
05398 50088 18235 80704 18056 36507 45554 91389 31674 54301
26701 76244 42862 01341 00107 47905 92207 42651 76337 61334
40153 83538 72421 29177 62492 40842 36883 90720 13942 54525
76453 89162 33211 06789 20367 36859 88019 40883 83197 73255
83483 96823 12166 45181 82328 06185 29862 64185 10352 13161
08306 20625 45576 14086 35304 59165 14530 32603 59018 45403
44102 72655 21706 78289 42390 16507 18546 28031 06998 59963
16300 00000

13956/13377/12213 kHz, 12-12, 0905/0915/0925 UTC

No repeat at 1700/1710/1720 UTC

11100 00000 25896 10019 03029
38946 19738 99637 46546 81619 02152 68162 27595 59747 61011
22614 95837 56973 07586 59553 10136 22859 40919 05419 33807
04633 25357 97939 10451 70065 23653 45380 28928 76137 59065
30811 13447 63199 04907 53576 99677 79307 24963 25169 82843
64419 13238 61673 48720 49143 06446 39990 23481 47728 67692
10010 03335 49972 64797 79934 49874 41752 91666 16933 62096
08847 06181 30309 61014 03758 83023 29386 47804 80194 04881
73276 21428 24932 40466 54741 66663 41714 82794 85316 48480
66899 46149 73891 73710 21528 45176 15940 05928 29502 04547
35578 44498 56575 72625 47645 03725 49817 37573 31984 53023
82265 69335 37130 04079 32434 35945 55565 55904 53374 67578
37756 33753 10975 66803 37140 82812 96189 88453 03257 02623
40872 37576 65220 33154 91916 58875 72697 28480 23387 16101
86604 78994 91319 84817 36689 68087 60888 06986 88205 74244
60624 80804 84846 54482 43370 84232 60142 70083 58663 55653
34501 40534 66230 80097 40076 36644 45279 54469 40661 48745
79289 30216 38790 90939 20968 56881 87224 27310 67070 74964
47033 31045 97778 31541 59435 12415 60313 17077 23601 76524
01467 46861 97598 96796 78757 35517 64673 15113 04884 38008
32041 04547 05159 55590 54399 55644 92632 30144 99319 72163
90566 75315 96734 87233 56965 17922 39685 35858 90844 48039
28528 44703 24928 01224 75790 25111 34448 21301 13853 80266
16761 77154 72654 62474 21441 31957 19600 41454 35551 88284
78870 69627 53777 57541 72307 55295 88121 27142 49069 79682
96817 23884 96248 18748 37189 96952 47628 55736 72107 68982
32770 95375 84758 28636 33632 15679 81396 63113 40875 18281
86769 54045 27086 63244 61915 85201 79060 99282 98998 35457
56375 25321 72898 55440 68402 44348 54206 51320 86976 95496
13355 24154 36891 75269 70532 38241 31416 83874 71095 16917
45020 57594 91151 89228 40486 73120 03005 35922 92617 34808
19300 00000

11100 00000 36547 10020 03029
11756 27553 06225 10435 72872 52674 18082 43848 24926 09642
45322 86505 42670 81489 24387 01940 25386 47696 43068 56140
13154 34322 34961 08564 35651 26746 86905 68083 85659 05943
64097 37320 34465 94226 82571 93788 31333 21405 83732 81297
54265 47287 90618 10040 04207 01469 50600 88816 59894 26346
94186 37817 35545 34284 64631 55419 08558 14892 98030 37412
09425 53319 58596 72114 91035 45542 58789 59796 19570 21542
19008 29866 54147 12346 46512 54239 07445 21845 38271 80339
04456 89337 37431 32172 81580 53732 98076 52891 93235 55345
37984 87312 18169 36243 84052 27810 82677 25042 40090 72021
42895 17134 31662 65812 93355 86249 07669 29929 94020 88308
03353 93783 32933 43497 94419 84798 66725 07497 96954 46766
06126 67823 92838 85641 38689 26185 85326 66210 05911 52831
14499 08088 76929 23795 87257 54455 85991 76994 01567 12002
25886 48113 69613 85482 14506 72209 69582 55351 76758 61973
80736 71898 08985 98600 81478 64320 18091 96181 15093 88182
52569 25578 52853 59681 67608 08701 09172 50178 91466 19139
88497 39409 85303 50076 68632 50835 13662 35423 50165 17549
67770 35117 26705 52198 08881 20517 55599 19335 23794 20829
33837 33655 09799 16512 08803 32554 31180 90587 78592 96425
14503 73803 61562 15167 74849 44573 39801 24301 90203 69649
06223 59173 66166 96447 69954 00644 58192 32975 99711 10730
43530 76287 09857 81621 60057 75425 18810 46515 54204 39757
34522 25704 05140 28671 46677 06352 17412 83547 30324 79404
99246 87962 90623 82066 68662 67047 03393 19273 54615 61938
31137 62614 85343 40278 19263 50133 81116 28673 02150 35441
93553 78071 73774 59583 58723 97986 02571 44104 56191 20501

95219 28731 91217 79999 39050 02135 42287 19559 77740 99186
41152 59934 00009 63160 77592 92086 45979 96309 46060 79172
60910 47268 76413 78956 50976 08698 15918 22560 20783 23627
20300 00000

13956/13377/12213 kHz, 13-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 13-12, 1700/1710/1720 UTC

Hex file 44423 Header 44400 00000 97452 10023 00009

13956/13377/12213 kHz, 14-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 14-12, 1700/1710/1720 UTC

11100 00000 21359 13031 03529

84473 14217 38332 07017 71580 28042 43354 33801 24710 43932
45019 08166 01648 28722 42017 21203 21021 66335 82954 35832
71907 49605 44173 69676 96988 39762 45956 69837 35166 23286
55553 21752 34598 20817 50451 59317 72070 27794 40344 68474
39668 91527 71225 01437 84657 54377 60052 43746 13534 17741
33411 01353 96163 06521 68622 99902 30970 38772 60730 13418
57077 30217 63803 64558 24379 88302 79989 63652 57444 75498
94765 78686 74213 46527 81815 53442 45418 89200 25971 15957
05659 23557 37657 44511 52075 38992 57285 83322 91563 74062
73017 25127 22457 68648 00351 02853 61618 43175 96952 57558
52883 84568 11197 74824 17786 43635 87812 06796 34505 73558
79115 22053 55978 64190 35231 50503 03105 51844 71770 15480
93990 09243 38371 70232 95158 45353 36569 81007 05679 69749
60413 23887 10135 01235 58278 87590 61388 25370 39302 99425
79051 30632 72891 16563 74635 77862 54735 49832 39280 82708
37748 12232 55035 15738 51407 09321 15601 49919 57895 13708
67485 10152 18501 90796 07507 04535 68711 67996 97587 42059
25430 64571 82759 66415 74768 24328 23337 60605 13831 18318
77191 02034 44952 09748 93046 72782 45805 98286 00764 54747
63829 85950 09525 64321 08412 31764 49869 06324 39262 87368
20512 51846 74409 30784 25888 69715 66276 40501 15353 66264
19247 77088 59988 13078 47181 64510 27932 67425 94307 88338
44189 15049 67933 53047 45849 90009 56403 65574 68655 51267
30757 37344 25852 20685 53511 21930 65260 12150 43008 30550
15514 06498 66769 92588 57387 51914 62291 53313 81165 94526
08719 25997 15982 68849 97831 40618 42070 02780 77795 56327
21861 16842 68088 29876 10862 22342 69072 57185 34265 48150
14620 30253 40214 50774 41250 76572 65664 87425 72205 73263
75780 56760 39904 53096 62810 36985 95211 44600 15364 76009
76969 13435 94043 13339 40207 97224 74356 38399 66489 51040
42849 14960 04830 45701 57410 26378 16604 86108 07658 21309
22908 41780 36374 64612 77793 06783 07903 23108 15823 31240
34467 40886 47371 91619 96324 83861 00129 91968 16715 58246
30224 13297 77524 32636 51419 53298 86621 18404 55805 23577
32772 88074 24444 96596 89106 36381 51379 19514 51054 13679
31350 00000

11100 00000 95863 13032 03529

85690 14584 02760 47929 49063 25327 55462 54328 35245 25915
00425 57531 84511 45036 92693 65743 77795 61942 76440 14456
40686 20181 22415 97431 17056 89485 06111 01283 60755 17986
37588 98369 18808 41947 78906 77672 04549 45208 10083 18347
84143 85522 29521 35641 24919 29973 99862 53861 78953 66663
75172 86081 00357 84861 70414 25270 19674 40788 59157 76539
23863 51242 10425 85188 15274 82239 00660 40236 48064 24862
61712 58135 65502 75501 50803 76340 86578 62680 53404 11435
15377 87653 54954 61492 71633 70953 42371 57363 65927 22089
21279 92578 67934 74571 59901 86548 41188 53467 95547 60754
42780 67646 64635 32616 11439 43934 42189 56717 92428 45343
01742 68090 72698 40574 31595 07230 24721 16972 68349 31541
82466 54128 33674 42894 97938 00317 85223 85983 51715 18949

17659 97174 15929 97229 74700 08526 93131 34217 58158 36673
79469 50459 44865 11267 25612 86398 47464 22647 93881 81740
79978 93444 35000 52957 14103 03792 32905 11131 37160 24839
91080 87313 47644 40256 58809 57594 49316 60412 20824 85059
29753 58918 98760 20838 34323 86215 37876 31415 71495 39910
77445 44399 10449 96529 28301 29942 56890 34391 05929 59980
18042 02272 92572 12505 92719 13570 26779 13035 47455 70637
43818 30481 64579 48978 15430 69602 73228 95999 62309 27221
99183 23996 37801 04398 94514 02063 06205 91759 32922 76622
64164 70143 81764 75253 78542 93778 86661 73500 39258 48157
29652 29373 50482 99816 46804 15192 08661 80187 16256 01498
40795 70728 52589 72696 01402 81500 68491 79123 51611 40399
89647 55229 68829 35213 33783 58564 60405 75701 89809 09246
79733 67882 58003 34606 68244 17711 37157 48707 71705 06341
69645 21397 04278 04162 80329 16613 58762 15781 70257 04603
86477 73162 51076 77769 95205 19091 31118 24802 38635 48154
89064 42813 95748 97441 96169 92134 63597 04123 72931 23487
11875 72123 91195 32200 72764 15058 57590 19162 64460 67629
39253 63207 71829 82665 17784 34609 32637 55994 82349 04374
02771 46331 97891 29026 98914 82378 09372 15569 42094 74323
67981 96307 50544 71905 90270 68219 55325 36265 86115 76571
37136 17745 16484 47453 07752 56835 66906 98930 84527 50452
32350 00000

13956/13377/12213 kHz, 15-12, 0905/0915/0925 UTC

3889/3744/3542 kHz, 15-12, 1700/1710/1720 UTC

11100 00000 32485 14034 10029
59208 77076 12557 72740 72929 22111 93613 26080 23168 07311
71183 79510 56793 00686 28661 41675 50406 27113 74773 52973
64752 59145 91406 93404 27750 50894 96752 67093 00814 88416
90986 99399 08173 55036 76642 07563 33858 35051 70891 30828
16061 04255 51893 30975 93535 80711 06429 99195 83744 34221
70975 30259 97423 77916 83437 49899 19268 90424 87708 06358
09414 42033 58244 62033 05412 23296 36854 46157 29369 99518
98875 54447 29967 39566 90945 06668 14017 92412 07522 98043
47261 09894 98378 05452 29100 39079 24242 34340 70928 32721
02747 17305 32776 51197 11931 00268 97934 54400 43422 77183
90261 07007 22527 59229 63849 45558 37399 89389 19737 80798
44475 38404 29371 33708 42373 42992 69487 28656 31433 72301
98100 92125 01084 33516 26308 30447 12239 52565 65563 84960
66892 90864 55147 88069 82115 84029 99481 68603 10627 13502
70009 79938 75138 47021 51302 49305 08659 08884 36101 71732
17940 65919 98965 97045 12249 40136 03229 83384 64673 83954
20932 15646 98121 78983 70447 12322 13225 44265 01453 69139
00314 64930 81962 12964 02674 77204 67095 64388 23250 70692
54272 32457 92000 93892 54517 89948 36082 73870 34572 02672
20052 86023 09488 11192 48279 34888 90399 88445 46751 31916
17162 21667 66458 81163 30533 92069 75554 08823 63603 50721
32470 97545 57142 14039 57168 11483 28562 27366 42739 22989
49183 70036 74506 76924 09490 00394 48847 53487 77051 64180
08902 15525 76820 14747 39369 51251 48474 18515 87567 48310
60492 44131 02959 60135 85665 58752 12308 50512 67717 79889
72685 27323 33720 56266 69478 01373 32009 76110 51619 31255
00264 26331 21199 40197 93455 51003 19670 15806 26349 82617
77812 28663 10239 44510 21666 30714 88609 47932 51596 19369
01415 32176 36699 78267 32653 21212 91723 30644 20931 95263
28703 66225 37709 00764 00476 27600 62902 47124 78294 67002
12535 63760 30700 09438 98134 15810 95855 83098 22554 01977
64523 03001 41899 82943 15873 18777 48263 13788 73310 62578
52952 78837 72518 57994 74875 52409 58879 75963 63812 33859
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10817/12087/12218 kHz, 04-12, 0830/0840/0850 UTC

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9101/9944/10831 kHz, 05-12, 0610/0620/0630 UTC

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10817/12087/12218 kHz, 07-12, 0830/0840/0850 UTC. 7 messages

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9101/9944/10831 kHz, 08-12, 0610/0620/0630 UTC
10817/12087/12218 kHz, 08-12, 0830/0840/0850 UTC

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48024 12016 62014 46121 81772 83400 72287 64910 16268 75703
18378 45489 06010 39815 21706 04788 59848 15956 38236 71928
44859 21809 42876 28945 83678 07929 50295 33623 62478 66382
01851 72914 91775 03542 73331 20353 87263 12982 83168 95911
62844 09407 05840 51739 53063 09556 20128 32211 07116 71011
46931 81736 21636 24861 56314 98755 04431 63143 48482 59370
86363 67014 38370 59031 23575 86575 98530 45738 57210 08300
40017 43177 22869 70991 35929 87240 26935 16222 17335 24357
32000 84168 96237 45083 18551 90810 95279 51377 15113 47403
88875 81013 14039 08178 85458 37550 15138 57197 05522 99313
64306 70317 35155 05815 79384 13179 59756 45046 80396 61167
07601 90100 66374 52291 57967 58539 05954 08905 93499 92948
04750 00000

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10817/12087/12218 kHz, 10-12, 0830/0840/0850 UTC

11100 00000 93475 09010 05029
46305 21813 52711 06943 66466 79286 11216 94105 70301 12683
19902 99090 68129 92025 96057 19149 75287 14390 01975 25392
20548 64727 42872 21134 81588 11965 41083 81580 27195 38774
78694 35811 70892 28485 25847 76970 65692 57557 96847 11635
94639 67060 01316 84260 36841 11593 82530 37687 13679 09080
60173 95588 44885 39890 19655 77862 69162 68702 15206 84838
09047 87567 78930 11297 84694 03598 53005 76191 06288 19721
87201 79044 99730 81940 68938 18933 45343 91538 78032 37011
34225 05653 83350 68507 71987 74672 23541 15130 84529 89892
39032 73821 05561 39850 47490 82796 50543 98799 79924 70801
06746 95746 19620 20542 94107 37489 11087 82194 76582 84099
31231 97968 28660 00287 39901 23626 86751 31075 52028 57925
40128 75229 98535 15901 41091 54887 68199 06939 39078 04802
47658 03564 68371 29665 01755 11896 44116 02930 61393 79699
46319 05570 11111 02969 96533 28224 93533 16988 56893 85158
72927 82796 06210 13472 25005 05010 72802 56005 45197 41916
28755 51376 92570 93801 75284 79570 11574 80438 73912 36553
98799 43661 03125 36309 06964 35985 45206 63769 03270 81197
32935 27048 24361 17858 10839 82437 95036 61643 90672 30596
02933 47479 05841 07358 46339 37401 94414 17617 97354 05064
65467 85708 47561 32856 28383 20739 28398 82550 89850 20288
23443 25424 48216 60930 14764 42785 39891 49011 30545 32859
17493 30111 86170 84946 64415 80645 35953 06811 75507 30023
77690 16227 58565 86809 77245 32624 36291 67343 05333 29763
53452 50210 03699 35395 18885 05056 22883 88814 37057 69135
98751 92278 08867 70066 59985 17195 06370 18200 83714 51042
51119 17070 41483 95948 50799 65334 02734 54866 73858 48668
87999 66282 66811 45027 88995 73404 43905 91735 97778 38748
03836 87819 12194 40085 53207 30038 09766 08666 41410 06044
07240 95668 36616 93100 47950 77809 97577 35819 84217 38048
20906 01323 46944 82331 68537 35293 19604 78306 05051 67344
58823 26948 99543 39131 28722 03024 71745 53668 41213 25363
87052 69261 19454 42826 30182 86521 26620 46953 12121 01867
27204 47195 90068 25978 73021 69693 05054 90625 31109 65520
66909 92318 95703 39338 41306 46205 51496 34403 18520 48657
80339 34852 68626 72002 28598 71215 12809 39801 77333 40087
65461 56140 82510 73898 26793 87367 77403 21716 30596 19703
54405 27024 76880 41160 68414 13408 04062 21234 28991 14093
80384 86772 73470 06261 19275 17477 38223 36095 48303 09469
70245 45480 86444 80364 46266 36309 09339 14290 91569 33309
07214 70266 15702 31361 65177 02428 07268 38207 20562 65476
54993 48527 77004 03841 87245 10281 79951 47956 47196 69289
83283 66118 45821 02964 61728 45330 59915 79140 48778 99601
67315 00945 04767 29121 36520 23635 44824 78748 12886 54349
81371 69251 68602 70700 60857 99751 08615 19166 99424 44778
49692 79186 47181 94405 14840 03933 35783 10886 10212 73670
88993 00225 76747 22658 00929 22134 33692 25516 11660 86807
56203 54008 34867 11943 54230 40172 17235 38458 44840 06732
34272 28339 35202 50733 52240 93049 58393 91341 10891 25948
29225 17738 06683 37143 12286 98045 81185 14233 19365 35231
10500 00000

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11100 00000 23457 10013 03029
81445 77005 11180 11967 30850 51791 73030 06459 57515 96281
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67291 71768 23869 25948 34187 39435 85080 31053 78298 69621
67658 19669 87394 82202 51135 65203 82300 25229 70370 89989
89794 83151 75417 58321 76535 90211 17251 98882 29963 78708

07826 98762 97114 16805 27878 36233 17281 15581 80928 44493
09452 10009 16905 23547 00489 43538 73836 42424 04946 10988
11051 98913 92497 39426 32314 29002 03904 11720 22344 83215
01436 62450 45150 12038 64727 00889 77614 27594 67959 40691
76775 33801 99340 41039 04234 42153 08804 88880 56127 15347
94866 76975 72110 05924 66589 57428 21770 82111 41562 75402
91929 58076 65876 12690 23259 70740 66993 95833 69646 70380
75469 48493 78759 17177 76465 92731 17230 00913 76973 28913
88913 26000 99707 48910 19649 29025 39595 62291 06958 21008
43796 40185 58123 71547 01201 06513 65089 77054 52336 31267
89608 80252 55619 05529 57084 33135 70895 02914 82541 20568
46198 57128 77163 86724 18676 10327 08832 31536 65606 11963
15111 69359 66452 72802 92105 67024 61890 03821 07641 03477
20746 94627 12194 18185 50779 11150 46015 40501 14256 17229
65879 17170 34238 49831 39907 80173 02540 02570 83884 22088
25274 97200 37526 71148 66941 47803 04118 83216 78987 47324
01976 92819 23772 31167 01161 90465 29883 97522 43879 18412
39740 89130 72016 02083 35418 66142 10239 59315 53630 24797
78095 54621 25812 41578 29561 90669 04234 47548 43463 54145
60096 62550 13218 58204 64526 43949 09329 48692 88425 29625
13066 66319 82100 79886 44787 81985 20624 47991 35314 47426
25843 33977 13816 28394 00998 01478 10639 12530 38866 62211
98509 09143 89385 57834 20555 83065 97685 93849 78579 89776
48464 05248 80029 03987 77653 58576 67091 58865 37304 20123
76350 38099 24633 44895 02459 87971 11171 66098 64242 41648
13300 00000

11100 00000 12495 10014 03029
60443 87515 94091 92268 80642 90062 00427 21133 56919 61192
54723 35368 89398 67920 98966 54438 98140 99182 96081 59158
93146 09658 17772 74619 07758 80475 16825 75480 43859 39008
94832 68311 02346 04940 01259 30676 97274 54780 24787 11635
77148 22036 62897 23367 01765 75200 80599 78589 48069 40776
94263 53470 43451 63495 41490 80708 49916 20937 22945 02482
47575 34729 27115 37950 90889 45517 73899 44989 36108 43889
37996 80854 63328 74449 38007 91454 41627 55221 02201 83933
10699 79565 46878 62232 77427 92816 28269 30328 50842 60800
53905 92842 63889 72446 64399 07696 55458 43659 21572 70498
11097 14652 63870 35370 85856 57924 15001 01876 57705 39073
56727 22753 84943 97617 01764 12139 66058 40040 27708 58963
25464 62211 57936 75212 73551 43408 00423 33738 14497 79091
80397 75305 00256 44644 27788 89575 54195 07262 05391 99685
12780 28159 88698 05143 58777 22313 33324 62701 44390 67898
90964 09915 27774 82628 59828 61054 71374 09175 80486 30077
75511 76848 13059 60328 45663 31755 56689 65675 16865 52576
97249 12754 83694 94197 94195 99010 09241 26345 42523 06240
11532 59436 70761 34291 50825 74823 60938 44643 66231 01617
01454 68528 35074 07281 08802 59292 53457 94183 79078 93685
61453 19296 55215 51760 61353 79215 20863 30077 02435 27718
56887 67890 30655 18010 21384 91017 26737 86877 39183 03067
81059 22921 11749 78717 78814 86049 83433 38740 93842 70444
25021 11436 14607 28160 20485 10200 50726 95554 67907 81874
93521 89750 30505 05599 28994 67289 98679 46828 26685 62189
49043 96223 52859 45584 11360 48084 81429 74128 79326 98023
01084 19363 26146 64569 42036 95220 10820 64377 70843 25870
86097 95747 26729 21073 44030 10124 97844 51256 60056 76272
60914 39465 21560 66827 32692 12417 51836 21879 06676 77805
65412 69308 73508 20077 15644 06540 48515 31843 20545 73413
14300 00000

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11100 00000 46287 10017 03029
69572 55531 63508 73434 93905 78609 79616 25822 56376 00177
66240 16455 14992 09859 44433 90227 67340 36189 34870 15534
55463 64745 17268 25106 88801 46613 41459 15156 58640 64369
26070 82500 42500 47776 05730 04367 21903 56370 12757 90558
61954 71125 04249 62673 26182 62395 70524 40058 25068 26309
85851 37191 21702 06808 87396 02177 43008 45519 93328 51041
69972 26647 96032 77517 05313 09072 91347 43002 42029 62841
29783 76382 81265 52246 00641 38406 72930 32666 84990 30295
77507 53369 38427 51285 72494 83458 89548 34775 51908 03152
65098 17777 92295 27576 77703 23360 83680 55274 37146 60764
48901 58606 71111 72879 99747 58225 66340 85778 03370 48832
66139 39980 57362 68382 85160 08149 96990 27937 27423 28896
82972 44351 18476 11397 43274 42972 87672 90475 67338 22554
61473 36888 76197 99561 53722 52451 16901 74059 63837 04731
54694 84366 18841 80966 61397 42673 20183 65921 23398 68796
81281 73346 17730 64272 66729 85744 29634 93967 69090 82123
10082 67392 84237 58423 96660 36916 71158 70308 46285 55059
07181 53014 53162 58058 74528 97918 50439 67881 39182 90557
18992 29901 07948 39743 51773 28382 74690 52478 47164 47004
91672 34374 29770 66583 26911 20229 22094 17190 93525 64477
15527 26847 61983 46192 14092 34004 91198 68315 49378 55957
39414 55826 90106 30427 40807 82518 94759 72457 58754 81069
80715 13837 51694 16114 08324 17234 12530 24980 03365 82216
67489 55795 66312 85357 45421 57641 41867 21616 53408 02447
47169 39164 19693 43306 82141 84865 89808 38915 70406 02590
86875 98799 04201 51535 71997 29038 91728 36765 65689 83161
30402 69142 16282 47911 54391 96839 26231 18551 29933 75619
72278 43416 96824 70076 80398 42390 79554 03019 41464 28991
16496 95184 78574 90764 80597 62477 01981 07657 90029 62906
12551 13073 32198 10426 39694 27288 49576 97851 24714 17922
17300 00000

11100 00000 26478 10018 03029
95907 50780 17291 28392 90604 30153 70064 04114 90110 40274
24153 94614 56097 03541 36741 86774 02725 64556 74861 10840
31693 59139 29201 53237 15048 22106 21766 38621 24180 26009
68326 85848 28451 68021 81579 67568 11887 47154 25983 28114
81373 98987 60178 39375 64797 80114 27949 99355 22561 19480
83660 03088 20919 78796 63094 40602 40562 89232 35650 01631
18901 56561 98811 91741 49468 51944 00853 89581 86899 30560
02693 99920 30906 45240 14857 82191 87697 47320 70463 59190
32280 91883 20192 35660 20070 89582 62157 81405 21264 72237
28631 58661 76399 64385 32550 98374 96543 77974 89747 55111
56548 72398 97838 95254 54809 47037 65716 98195 37970 58516
68568 75203 13998 79850 12374 35645 02083 43684 18813 55276
92784 36782 66517 26252 16879 37994 49608 93575 46325 16853
39462 07651 75800 35012 60627 47646 58247 17698 16847 95336
92848 87369 28111 64128 88895 76777 64686 12942 53957 63598
89050 99651 79820 93840 41679 53758 24606 86213 31614 72987
14523 34631 17758 73508 13688 51054 91826 48443 35445 15851
98898 14374 93629 27864 56502 50515 17213 71373 58172 60264
76755 42134 72420 09785 96127 99699 73049 23343 47906 38182
61758 40064 55910 92673 68959 61800 53303 23490 43769 46802
69691 45440 69087 28877 45672 94293 62712 66724 98254 47657
50435 53135 85602 42415 22034 38737 44527 55957 06125 49986
99170 43349 24794 06074 64323 47657 13952 64460 91802 25600
20349 49693 33338 55720 11189 45232 18397 21266 57278 52929
70387 84964 75644 49893 09685 97876 42568 97387 16900 09527
12963 81476 54851 71480 07038 90095 72659 51573 50184 56229
40405 00975 77021 21900 87798 41259 35543 02635 45288 63699

52295 57115 11041 57939 44528 91687 92250 12266 90259 54424
94191 52631 92184 98418 55464 12649 96368 19021 52878 51723
51668 94665 24389 63517 20807 86016 83548 41938 79051 73095
18300 00000

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11100 00000 64582 10021 03529
22181 92397 89708 77546 98866 19668 37366 32808 62286 83553
46874 11534 15645 68018 52785 35091 83810 62619 03927 27866
64972 14521 92253 05278 89418 16165 59923 52895 33892 70762
95530 51355 64937 02814 55436 26776 09699 05829 71135 31339
77594 44448 28598 83736 81303 53142 30519 24173 30513 98678
77413 63600 96852 98550 28502 31881 73454 12548 28312 54563
77592 49658 09947 12960 69807 57494 10948 67213 87990 86417
62692 47033 19833 45565 39263 39806 62100 92957 76731 30746
40155 26873 98784 74789 86176 70678 09642 04914 99503 68310
40185 06572 37547 32581 58264 12923 10707 13509 79083 00554
79726 78854 36634 90377 78932 24050 02099 83393 13784 53713
60159 85997 06181 01927 79160 04534 85960 83482 36051 13769
52026 93256 82057 28978 51538 95933 60003 36339 50610 73236
09245 61307 94952 20871 19122 79669 83883 12361 16899 00960
06167 71967 01105 78929 11097 23877 56223 28752 13281 09849
09672 55650 54545 92500 17000 24649 71406 86432 86245 26116
41557 84371 77395 16796 07778 70512 37876 41020 02741 38269
60018 61781 23123 54593 71429 56356 26474 38073 94219 56169
49279 42979 34007 35575 69645 66469 84649 79267 63059 21108
59633 82974 24648 39918 86063 67152 56373 06136 22183 08352
42621 24859 84373 17945 62590 78777 94557 22905 12944 35175
83956 28327 39156 96387 14122 66373 98974 10903 01206 61325
06466 87299 54375 65446 30046 78194 64337 45325 42974 26410
02889 23402 49703 90524 19445 04350 36567 92015 45479 41012
20202 51158 42805 19580 92177 03898 56645 68687 83245 16854
59428 22131 95654 42661 96238 89877 76978 82830 67869 17073
33875 50316 12403 35718 09230 48976 71275 38709 71116 12118
50744 30931 87005 67308 14699 37091 81672 19650 69768 70971
02229 70686 28643 95800 38720 15160 62556 30425 73732 82770
78873 80967 59435 17151 84697 02662 45504 09235 22470 21547
06362 27208 88463 70725 41174 10226 70132 20840 45029 18093
63244 09492 74760 54078 54734 99266 57818 03075 82222 19060
17661 52268 06127 68393 14077 86518 55308 89404 21893 75632
32196 36202 96491 95719 88314 96271 99589 51822 06165 43616
83701 93990 48388 28329 58738 44018 60151 32273 89166 74996
21350 00000

11100 00000 38917 10022 03529
47409 59059 47636 50398 29719 09584 28635 64756 85740 97857
45900 05847 41488 10373 88993 82003 16231 06542 45284 56602
34551 22719 38806 36124 35365 61088 93440 79787 88867 18096
93841 97957 57309 32130 42567 31512 60574 55117 36820 29345
32466 77737 13277 66209 78665 62937 34402 68080 72279 67433
14715 37218 47924 55892 10431 94131 80288 37471 20923 78620
58098 79409 75429 77092 89434 77359 03462 68328 99333 87145
12336 04902 05613 47631 20272 72419 83852 49391 18499 93796
57479 28870 60796 70722 73882 92716 03921 79531 52505 01983
47345 63652 15839 70871 45749 89829 39279 59724 92711 60297
80750 66933 99016 98102 76065 49469 14042 47756 10942 26705
63636 58407 05608 47235 02952 41722 72961 23364 07643 21657
36182 62959 51892 18317 16765 53359 46683 33081 28902 77015
36768 27182 41140 63562 79761 10939 91274 07996 55804 85811
65389 09663 81228 06481 77005 11728 24664 55136 07258 45821
49026 45154 92050 11550 27815 96362 67115 45561 09178 49070
06924 59836 26148 09059 18383 53922 76530 40712 75250 30767

20841 50487 04216 70859 71751 27896 58572 44355 73480 36196
40431 65885 94561 69981 57402 21719 82425 21849 24688 23978
53238 25335 48527 71601 15428 66314 51917 22720 50347 80037
28567 08152 98493 76002 36002 40701 24742 57847 63774 99940
61009 30448 37704 97169 49804 11411 46092 50239 37098 89148
98847 22925 87934 94723 55458 08540 23248 79650 82748 62470
01296 16841 28360 13330 92169 66883 20892 07410 18803 76838
32637 66117 62921 03747 65860 61095 59371 80024 48538 36699
27269 62946 50519 34528 11401 35398 56025 99691 32310 50080
53442 73505 68524 34364 28329 02297 19336 97972 70591 17017
21598 10690 31751 63332 18951 42263 93247 86898 06941 81718
31720 03499 02439 78240 92190 08727 10830 70832 05099 06910
89381 98929 08126 63965 30244 11157 58734 13858 11525 14424
48370 73368 89851 30529 54266 44845 32895 52479 89775 11629
15254 17703 39180 55851 26169 40341 87910 53271 62480 69813
84111 24860 05288 67835 92491 49805 03728 21087 26401 69631
14328 31704 69060 38123 69353 52801 19900 96726 72611 61189
26917 80145 46117 84496 91023 81779 76083 24870 53294 33726
22350 00000

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10817/12087/12218 kHz, 14-12, 0830/0840/0850 UTC

11100 00000 26547 13024 01029
38447 08233 23805 09628 77218 25815 38471 57247 89378 70119
43423 28746 28532 13923 01352 06610 27196 95277 54840 40341
90863 06567 65389 10367 61304 29753 83406 46739 53785 41252
66345 88548 97915 34881 87165 95002 36781 36299 00320 44103
64074 07403 57445 79854 03898 64088 89952 93949 62928 55836
00692 52861 09641 80549 31891 06283 60255 33086 01554 37858
76125 10909 25498 44126 02232 25318 67224 52634 01475 91673
82812 15141 64462 97070 53018 36859 99466 68882 19763 27675
32248 92627 69214 86264 70431 52591 28626 53073 12114 93630
69141 93069 03405 27620 31738 94227 74576 32949 18509 92665
24100 00000

11100 00000 69581 13025 01029
42607 82344 48652 68906 91797 29613 36792 94669 76320 82612
12983 27979 86564 62007 99173 46713 27636 46822 32945 26055
86834 05565 91866 04027 80132 22366 92955 22529 76092 10330
28172 48550 20668 29273 21874 05241 11317 50056 21203 67531
93870 32672 55300 02003 80594 10299 24314 55667 12878 96499
04135 23373 16989 57744 77779 48507 26334 18465 29383 36680
68658 90801 61721 87098 41628 46258 23207 71291 25222 71432
55294 13889 04389 75013 96233 55142 00379 38243 02110 99868
34224 26016 71105 82506 70770 00816 81920 02976 16717 06668
82290 13022 71103 15299 88544 57739 51664 51695 82131 01959
25100 00000

11100 00000 54193 13026 01029
13497 09718 67539 85481 70556 53728 88487 31309 88235 00370
90558 74165 05944 10630 73394 60773 74845 03096 18776 19243
06559 66204 95615 02815 85623 89337 59203 04797 37933 73706
49361 68130 72299 08959 17224 38014 37361 26439 35315 31046
61001 65055 70613 19297 64481 10677 25289 52762 68461 95004
74814 68636 33111 64851 58115 60839 99480 57772 99462 08227
24338 44977 66797 84944 25640 27467 96155 01332 80848 96332
36908 48843 45257 93145 97477 47403 82522 31391 96239 18642
24601 64866 47277 33449 03260 13997 35700 07278 20354 85993
62185 41647 49073 49799 61461 35263 83319 51754 24390 13217
26100 00000

11100 00000 14729 13027 01029
75777 61573 24337 83379 11196 70635 81380 86528 12988 91757
57450 67523 62870 74211 77398 18070 31653 08445 50477 44472
26035 78815 27737 23345 10891 93752 46623 93347 11731 16814
79965 68907 27020 47042 31558 86834 05057 22092 45500 21803
65080 42533 21500 31605 67311 40795 53318 18130 61604 43171
32549 15005 69395 98326 84917 37836 78647 70749 31279 57977
56459 22582 90526 85780 09054 32268 66566 74246 43800 23449
86569 79033 12987 02559 82680 35744 44012 28543 34371 40436
85695 63146 13619 44293 25382 75203 00120 98397 56543 97370
58692 09534 01543 58736 96083 92959 19279 41750 39360 33103
27100 00000

11100 00000 98653 13028 01029
32908 34106 02645 34285 43178 96021 01653 59568 36337 73156
32232 77900 59771 72159 51138 65615 32925 54082 57843 66142
78290 33127 07029 46226 71261 69636 92271 08101 69764 62002
24359 74811 09611 67193 52665 90871 76517 04586 03041 05429
90715 22773 30637 30150 65100 34057 11110 88990 22852 46308
18641 02057 85466 46865 64213 70727 67134 18178 92578 56235
36404 89880 61353 68898 31070 56970 50677 10177 37216 18794
76883 34752 68362 18515 08600 24814 05647 87764 08743 93737
84970 26150 50813 61352 42066 70316 82956 67966 51406 32248
38208 19361 19896 11491 14373 79921 21296 10992 71964 56103
28100 00000

11100 00000 79521 13029 01029
40784 67254 09204 31015 45828 00853 66625 03078 19872 84549
76627 31267 54746 43692 71868 83542 88560 35401 45845 41814
78009 53867 98099 21737 66091 12694 64682 18775 81175 83972
32307 72720 28352 98795 59633 67859 59007 38875 54113 10969
29556 73960 77850 54330 85276 24747 80889 55959 30174 55967
85391 94214 68822 29331 69125 79005 31113 71028 21708 26759
15852 33466 72044 91345 14144 55930 10388 68149 98495 53863
53473 13474 88583 91437 26149 46464 29615 17127 57956 25734
44224 66939 18080 17891 43850 65028 37124 00146 10512 76344
89133 64183 84935 91030 32312 13500 21976 45236 31867 71374
29100 00000

11100 00000 62593 13030 01029
78265 37456 26093 79518 56842 14485 83050 78726 01842 68570
20308 06102 78831 27428 50836 73446 56564 58526 05509 77785
08412 45008 56463 36901 83818 11710 90942 77322 41964 62217
40322 98182 64816 12889 93990 59396 91770 34796 52792 67592
43055 39509 01695 58237 24097 69662 06395 97381 28028 80254
63529 51488 78530 21593 59188 98742 80189 59851 15424 80325
68567 96149 29419 15050 77160 70119 35038 25823 63446 58863
41416 51356 61194 07281 28287 41571 51236 50661 02745 60132
67882 15513 47110 42544 83168 09546 12602 83257 36121 36753
38496 50214 99230 98527 01463 50266 99318 66752 24760 93922
30100 00000

9101/9944/10831 kHz, 15-12, 0610/0620/0630 UTC
10817/12087/12218 kHz, 15-12, 0830/0840/0850 UTC

11100 00000 15973 14033 07529
60588 77090 08869 88804 92389 48108 32111 86336 89267 91781
12814 31124 67520 94364 81053 42567 44237 16764 93667 41456
81355 33587 23290 63885 98964 18397 78338 29943 62528 98589
71147 53134 73724 28330 76434 01457 19586 53007 47286 46074
59624 63616 80846 58532 55636 64531 50910 42437 73872 03085
49583 10550 14250 34407 05228 43230 46310 19954 68855 89158
56603 83169 86165 94289 37178 70701 97417 69957 69881 92640
32324 36087 86140 40180 92148 00431 06925 04171 36195 59786

92563 42983 14890 34121 57127 73129 16618 69543 27032 81067
20531 71060 48585 79646 72489 51062 74128 57612 26345 04454
81496 95609 17732 46402 06453 47143 62576 73604 92807 07899
97494 35032 89897 21897 04273 23094 52113 97885 85621 21132
20171 34438 84377 68215 88803 77170 63361 27151 90570 56528
88058 66650 50464 79577 79325 93608 91005 74239 28299 96398
92521 09396 90701 85154 38274 39324 02731 39957 99147 45872
85713 02869 37579 76833 31722 74752 35401 03951 87332 02817
75309 48982 77712 69817 30628 51271 38237 20858 43060 75264
45799 88724 93115 81403 67026 03696 92905 08828 65572 98760
55982 43344 35680 46184 23922 69080 54202 86360 54331 27261
68266 34884 99964 30566 60773 78786 33648 06478 60908 97864
98686 68079 91871 72053 89449 35725 72990 60761 91816 58031
18421 65117 38180 05624 99620 09076 56678 36068 63768 00295
19362 53435 25342 56739 18967 10937 73018 09950 28993 30050
59095 20906 26770 34604 63622 69421 84196 23227 50425 03018
55845 28623 57211 56202 19118 37092 86945 76101 46138 66749
92683 15370 12072 27873 73048 78329 69559 13811 20541 31266
43946 95900 89865 12821 29007 20822 78471 05425 87843 33840
36478 53695 88641 76351 48191 40754 29985 31193 52380 58381
35405 14141 93524 31965 21855 35034 21188 86168 71799 76971
79742 62253 63602 67005 55599 23011 39907 36780 74150 06223
18688 96554 63608 12587 76666 71029 27920 39072 59782 70435
95961 93598 00394 95318 39178 52021 45914 98441 74875 43327
28554 52260 97341 73992 30870 95402 03990 27442 26792 56588
08705 99537 02841 79425 59584 56048 89197 96530 03271 23019
55324 26389 63038 45999 49832 91423 22846 79041 89266 80680
34538 89443 25506 05584 90366 89129 46468 22195 28042 28639
89795 18416 60489 14655 74226 89569 47492 36995 78319 50792
51429 16022 21237 59685 44271 06390 25262 47658 58041 18093
64743 83399 95914 40717 31149 16909 46157 81868 68930 77543
66074 55692 61865 24499 28176 82420 74578 73166 45727 84908
78933 45814 19892 93065 19960 20020 75635 92142 01036 73288
78588 75801 92984 47308 50059 89906 96787 80267 22369 77980
14602 80677 01717 64253 08759 41132 30744 35245 53448 15456
67997 05831 08752 07659 26469 80703 71744 46149 38417 47191
84318 41640 38627 60360 02446 52180 83334 06338 56541 03754
46967 54796 57640 39883 63912 36536 29050 98674 07491 07101
68193 40744 23323 82367 68299 76449 59283 57046 54654 65893
59215 42029 15089 90104 12608 81521 29394 16851 77419 35896
27342 09521 18232 41210 30015 52512 26916 81319 54122 91549
18021 33522 83989 12396 16040 73684 40913 06374 76770 51770
04566 96135 09942 73716 66137 20134 95292 50601 17910 99217
09304 01030 08932 33790 04753 17678 21510 04978 10297 33940
48172 78238 42255 51606 73822 32843 45791 15513 92743 65681
07677 46112 15168 42819 07821 65872 43066 97243 01759 80478
19884 96241 51288 00752 83868 26840 45435 16220 79719 72756
78933 56302 08210 81288 80424 00012 18489 43574 07538 20146
72753 36684 51063 72873 37962 00953 15389 68680 84292 51012
67393 85594 95020 43945 70989 10634 17520 53014 49494 20416
10053 20388 43020 36868 64055 87308 53074 18963 06601 25146
91549 76436 12717 15757 76302 16416 82262 54606 40495 58886
61042 75077 47897 81951 10838 17414 31333 82812 58067 90718
96458 65412 75727 01471 58061 90665 78344 46971 01061 50242
34581 97174 83409 49804 27221 13336 23079 12666 15196 76910
36301 39798 77357 27145 19283 87115 42666 30796 90559 45988
36504 32423 36171 37913 97778 58670 24876 59285 46524 75008
85553 37199 06667 18339 64015 82227 13667 53921 01390 49111
61701 30062 01281 41287 70090 28977 77877 20216 73645 37302
02221 05421 66636 84655 88784 76189 55051 23713 89592 10877
96851 50218 88034 24741 34904 86379 09574 92249 52265 76075
91546 64800 04529 65317 79221 19786 08907 66403 40319 01944
94731 29205 15182 42934 45083 68011 44765 70071 84201 17386

43656 40155 90401 15459 10298 59341 39156 38103 91606 74975
06043 32422 44171 50348 84244 22996 59221 58289 96284 89313
43557 54551 04692 37840 73619 16914 51275 17146 64891 60953
79700 49540 23821 68398 21056 77651 74451 89034 47094 49374
33750 00000

Link 00000 weekly 1100/1110/1120 UTC schedule

13921/12122/10271 kHz, 08-12, 1100/1110/1120 UTC

11100 00000 45871 07077 03339
78752 46414 10133 04020 16286 48421 71447 64956 82529 36177
36580 40642 02364 98907 50750 27648 86054 00030 66467 40655
42628 37768 15357 15304 12868 03912 70702 64663 70387 82909
11646 43990 64200 58472 24989 03483 01232 19898 05530 33711
92216 85277 40873 33405 09400 83792 91642 54303 29508 64275
03054 02727 60396 22232 08762 02591 74834 62504 12935 49521
99856 39770 61492 10777 35114 44056 38430 50659 98669 23462
48195 86096 23671 61282 70017 02089 54340 49699 95166 81713
14721 27261 83044 30353 48609 72298 97069 98868 54118 69504
06284 35365 61315 91831 63612 20279 26347 64920 96734 64433
40521 06221 72475 74785 77759 56023 20682 17531 28872 42564
28497 33253 96075 48396 40997 83823 46219 70229 29098 35716
46119 89399 10696 09442 28482 95185 35963 49779 61810 28134
72740 96501 22769 35593 52970 60265 94412 56649 66095 33380
38743 78633 10373 90113 17018 32408 38032 56241 56241 18601
55224 52527 85296 81994 62684 41805 89136 76235 48062 34374
54482 86076 65850 31373 05460 99310 65838 10834 52619 45616
56051 86100 03768 44468 11092 91294 10054 29330 61832 73522
45753 40301 27389 96505 45172 02402 75321 85325 45123 31698
20993 66970 06400 36441 02028 86369 12704 05420 88800 02601
70436 00697 16904 94965 57817 96939 52519 33611 96753 34514
26644 94393 45896 78531 99095 22668 38334 01051 38244 75682
12347 28601 27398 98288 08665 22234 33801 11626 32671 82274
01144 19491 04979 94972 51571 62063 48832 63234 08080 71688
87749 88619 73275 10397 51871 96804 25412 93843 16428 23680
17651 31370 20776 04287 91485 36861 41440 31772 40257 90088
17596 78546 83714 53239 52427 96842 39533 72293 38809 40849
02761 17967 82736 77622 69096 45884 22945 78945 62963 80675
70165 11341 56303 53695 14442 66408 89022 49033 73952 98685
27050 37517 83774 63216 18921 03394 48022 70012 36831 93368
03812 97594 13112 42697 70471 32808 08040 58021 82443 29094
69943 61618 29319 00400 73524 26777 51437 92932 47341 58962
64490 01918 26394 02483 11566 25580 90736 77316 66068 73504
76072 77331 00000

13921/12122/10271 kHz, 15-12, 1100/1110/1120 UTC

11100 00000 16485 14079 03519
58319 18744 82684 63455 57522 28369 57356 62023 38820 89142
92708 96503 01279 59070 67127 75597 47281 19373 08270 20382
71140 61317 45988 22668 19691 32920 64569 99958 35787 00190
27728 14164 20653 02618 74792 46276 76013 07591 11520 44198
11948 93417 43975 85885 31409 15653 28917 25030 28536 01341
26155 79134 94638 75825 50483 41578 53601 34126 15579 13494
63875 82550 48341 57373 17883 97003 99636 93661 21720 44864
65801 76279 81198 11217 27414 58884 93390 00339 75465 19449
38270 37671 39963 97046 31399 76962 44417 58033 23571 42283
34643 33807 58379 59586 55319 97345 23628 57505 72733 70687
57520 42080 67161 80572 95583 75096 43306 04404 69242 10725
32249 73733 91994 70147 83336 27455 94126 58863 69446 31892
91889 56353 54074 09961 02100 32799 93668 46615 38072 72537
73660 62741 47856 08944 01624 74690 80676 00426 05995 81659
92545 02218 13806 48077 26971 13668 05852 73203 31696 05694
72737 65125 97415 58111 20247 61325 29398 61502 97458 63033

87961 63328 46057 75523 58730 62972 94272 71560 38613 85384
43886 20180 48445 88037 23738 47984 08226 80864 08181 25148
35892 63878 23907 93316 55563 12146 93598 77587 26200 62822
89822 49760 26604 83919 97626 35047 57709 29496 09258 79422
48093 10968 99447 19807 73647 39218 54707 24274 27348 17187
55056 94458 00061 87650 31634 47362 58314 65854 48628 18744
29994 11699 82954 55270 33870 21162 00134 87639 13921 41655
49787 01829 64376 40982 29211 50695 56420 84602 88441 73076
02491 00892 75276 12617 19112 39061 43660 53471 74211 49452
73897 15104 29830 40882 78112 73350 16192 94722 89406 99936
98055 40406 58136 37645 19288 22044 03768 53309 36597 10851
95728 35834 78366 43053 61699 31417 89518 87968 46790 33163
48359 75961 72031 67292 66320 40937 65616 43100 06566 57079
65334 58891 82367 74514 15639 81047 21213 83585 07776 38429
05571 62432 36419 99302 26254 87553 71245 22966 09316 12048
66890 03273 02425 41222 59717 46242 31641 60240 24847 48930
64550 93522 91870 71765 40673 00561 42693 21526 55101 37851
39952 87146 06298 41629 59427 95550 43991 11090 24900 79683
78098 96784 68889 75945 34638 23882 67704 93201 69530 79349
00000

13921/12122/10271 kHz, 22-12, 1100/1110/1120 UTC

11100 00000 14368 21081 03199
42331 75138 41753 46446 46577 48466 78561 29665 00254 13270
27153 07903 29860 63439 38994 23526 47393 34821 47580 90377
28886 16632 19288 16773 73113 63760 08612 50462 70168 58380
59995 56505 34582 94322 23422 63993 82690 82631 75967 42560
58919 01758 66495 94605 40684 40809 25688 74195 76595 09317
08588 68538 37646 11931 61861 03019 86080 11500 32938 55688
91619 28974 63248 92169 49743 53545 32723 56915 81709 61496
47751 81743 20997 67169 89778 97598 15862 54501 66749 60475
02700 62565 34552 27438 29886 23553 80686 43672 36804 76637
87316 26513 17726 06148 15907 57384 25253 77500 80632 17581
92985 69326 02740 28843 82128 25218 63056 84640 81700 73547
94833 83136 17052 88792 84103 97728 46365 92797 69747 46141
49833 19414 60458 43979 41201 90963 10783 53699 56362 79947
23436 64925 98684 54449 70070 67049 45769 30674 47691 00057
47319 81040 12906 94508 68811 71287 61183 36624 60655 25022
43336 19399 57527 39134 36382 65691 37570 98547 10997 34227
96137 63704 62732 44442 13786 29255 99193 81116 23186 77374
00363 64733 04647 74135 94245 98486 64945 82401 15049 27902
79139 89646 36061 73980 00062 74164 94422 25818 65169 58084
49984 03644 55452 20653 45433 28190 86079 70196 59874 57361
33459 98215 73059 76118 28430 64052 82443 50527 70239 83547
40267 81901 41017 20158 02842 21982 25421 01933 09226 35089
65148 12825 31494 18188 02998 31740 63764 14791 96166 17788
42187 83660 03480 65160 13083 08224 76222 76070 91403 57648
07287 25202 76718 35523 18295 14100 18909 77063 89403 38933
50749 80796 61471 20081 29585 85657 65274 66971 55260 29426
57465 76608 56520 49455 67952 89229 63049 11622 88393 49533
05343 78433 56495 46903 09597 52233 15796 33083 79807 54447
55621 40718 84265 26796 60911 51227 88629 65417 26597 85418
02771 23842 16203 15297 33574 45750 69394 20510 60885 13451
88124 37847 78789 23024 56087 77253 69405 22058 71154 02778
01395 70919 95495 01905 70356 13504 53057 81317 00000

13921/12122/10271 kHz, 29-12, 1100/1110/1120 UTC

11100 00000 37529 28083 03319
64886 18897 58964 92129 60773 36586 96006 06954 16068 84437
19802 86800 10572 87904 64819 15025 91116 06409 29500 65548
10885 98708 46882 74730 82505 57131 99463 34428 37108 71570
82987 29681 06516 09224 48846 69472 70774 20982 79778 83986
38201 10412 78566 86809 50135 26285 74397 25507 27593 64574

76590 69025 01996 90853 30382 05339 97170 19057 54443 47788
54807 07517 64820 73558 20564 58223 14995 42709 32996 30247
06742 71218 82516 03258 51475 56463 32552 52080 86770 78582
20100 18222 77750 26154 77865 89305 58020 19625 45170 22361
89845 30934 59812 71888 48247 22767 48081 08656 58719 55870
55091 40149 43243 37874 82645 68627 54287 12058 26805 47700
01489 09493 32345 23394 00693 12995 06303 70617 00049 06347
57789 60975 62835 07194 56262 22874 11722 07080 25434 79843
64137 67047 15026 78021 13439 42242 17531 38735 35574 33953
22188 97115 25911 92540 23349 12696 95942 19674 25430 62899
84529 43324 11630 55395 63389 63955 68605 20229 41511 95330
84298 67675 98178 48398 61079 22758 99299 31675 11428 72357
76719 66570 28308 85863 75212 41094 47446 95294 96837 50376
43682 45828 97340 97440 28600 52679 14301 52673 41608 25268
31696 95418 51665 44598 10589 86140 11843 04814 40608 42585
33904 54833 91921 18393 75085 01039 72378 07583 54282 56919
19527 23353 39808 50640 82171 24639 75927 26449 71170 88862
40343 00870 84167 54305 49835 59624 33923 80554 56220 06209
34960 00449 99839 98065 28188 61967 12752 31302 48206 83497
88816 59864 62973 70915 62867 60138 40521 69927 66145 76885
22415 52100 50201 11475 08630 58011 96425 38327 83550 45984
53428 60524 37763 19805 69428 40519 65342 33903 11851 66875
41308 99391 91318 42984 08952 39438 32231 08683 31706 67376
57106 30736 89261 86026 76881 23088 22601 31624 04361 82842
57651 10834 32995 52904 62236 04255 48176 47219 16018 34871
63240 99543 98106 24884 97372 21695 22049 89357 37586 82200
72852 40118 51969 41308 25752 98343 46397 03274 51410 39290
81882 71868 37220 17574 94762 20056 79414 46461 86898 83329
00000

Link 00000

10687 kHz, 03-12, 1120 UTC

11100 00000 13468 02076 03259
59135 40457 52689 37137 76489 87377 80143 99091 11951 04344
19412 48399 27099 42190 14399 28176 30567 84296 58048 58393
73447 17355 14947 92626 51827 37784 22149 65933 64883 35979
79162 88515 01989 25575 63027 64885 57255 09923 29433 43194
94958 02955 85808 24437 14278 46634 47326 86193 86790 92178
11741 00624 65153 37232 14030 51373 86423 36189 46743 79102
18434 25845 57023 10316 22679 33573 56215 49172 32140 60198
03014 36980 67494 54775 46088 09049 40130 23446 37111 03597
15426 39559 50134 02391 34714 47259 68258 07819 19382 75712
23516 86069 05525 06164 00916 31118 82619 59017 42593 29194
34630 93121 12985 28434 06989 34453 10981 43385 47904 76372
39990 49073 97416 18662 71848 44296 22644 37512 65511 88856
22660 03658 26476 44391 51435 90838 17858 73518 32288 41788
59063 76961 62269 83926 73004 73355 29932 11945 67778 51408
94912 79473 63765 49124 02772 67024 02066 39756 33521 18380
95228 29190 07282 62639 06200 94434 95509 64085 66431 17924
11223 67079 69090 97295 76668 28157 98294 35355 91879 52522
80336 39893 52530 77123 67798 88064 90560 67495 92532 34998
35985 20562 48413 71336 23334 90583 89821 59382 91153 80433
56781 02556 48023 65395 62699 27831 03499 41669 05642 85856
87447 16769 89072 98426 06193 84005 63015 08020 08915 48236
21557 09064 62739 95071 17633 65625 59963 20731 81040 45227
05836 64724 50612 23445 60354 12555 56482 39014 32493 60633
13391 04095 50315 60580 10966 99408 55401 85118 11904 08931
95029 82721 94009 73804 10548 13235 97014 70200 45380 81634
60119 40775 21086 12111 61195 34439 54942 29687 93588 34104
17448 41530 41453 77118 53224 35166 39559 98052 13717 35771
28514 48546 75161 89737 41324 73886 40240 66690 82250 51014
46857 97157 83879 17646 32498 88060 53360 47193 27575 83236

43733 49173 76223 61156 11300 99788 07979 87046 44958 32383
08764 61587 78458 42432 64632 33383 21495 86787 76703 67388
70592 81834 70731 86477 85708 30270 49727 28352 43502 31180
63103 84957 03195 76323 00000

6791 kHz, 17-12, 0550 UTC

11100 00000 37591 16080 03179
63743 32830 70160 97194 63693 24907 60069 33701 77818 37376
51064 29096 42725 30781 08442 97726 44489 82154 25640 23162
57857 24781 41808 39799 23051 75947 99321 14179 21098 57377
64675 43202 33646 38016 61190 11422 98173 53878 86978 74604
94565 84626 16596 61750 23956 91575 09822 12762 65807 46818
76017 93936 24144 08141 67468 58484 98879 19434 00187 44253
43191 41278 25583 25844 92853 41389 01453 63312 78489 99620
35727 14637 56670 07196 01400 04148 20794 64876 46098 64094
77695 09735 44711 91551 00907 25233 68523 87841 96523 14284
69292 72663 42603 39999 01702 90113 88033 63786 32634 48800
21815 35508 10695 63211 48689 15375 94428 88549 32055 32264
62668 66213 90100 08149 55441 22100 56103 03339 18890 84939
38823 62194 52624 16827 43932 64025 82963 73158 42416 08857
10484 34134 96887 92731 05327 75051 81744 52267 48698 67534
58117 83128 43993 28922 89534 62116 45988 61984 09253 27555
81540 52156 75179 97672 60227 14478 73337 31656 98357 07435
55794 63062 04813 55874 24008 60291 02132 50193 93517 93788
81286 13987 00921 14677 13596 57334 39070 74504 68194 57922
31435 40787 08517 37186 81556 88042 66210 23659 58541 69001
15939 20715 04523 95679 99497 20892 75039 85001 72678 33987
48255 48665 73332 21111 63970 31925 34061 51878 78344 30997
87966 26941 45296 43757 40917 33034 60482 33437 08745 22728
28828 09985 42825 36083 41518 58794 92474 06373 73406 71489
77599 17094 36766 58439 70040 02418 52331 47703 07037 08294
23557 00085 85272 56383 25041 94997 08908 78018 41045 66804
90065 10355 15045 96341 25194 71933 96261 87307 95741 59815
94096 82193 66589 35488 76418 97463 80673 91733 72631 82652
73234 17632 67467 33076 54143 03903 96439 10854 31712 55769
78896 53902 76468 05520 49601 77621 48288 41975 74794 98931
35363 99027 63661 37366 78406 70456 11148 72904 78559 43197
33063 65227 12427 66258 79399 64088 02671 97464 36824 65482
17621 95228 56252 93303 98311 80315 00000

11611 kHz, 17-12, 1100 UTC

11100 00000 32154 17001 00049 00000 00000 00000 00000

Link 00052

19851/17464/15609 kHz, 08-12/09-12, 0900/0910/0920 UTC

11166 00052 46852 08098 02019
75659 46045 31495 40517 90433 68648 50973 84183 36120 21405
35924 42830 12794 84243 96914 98859 33769 20492 71257 17226
64617 98643 25615 27211 06618 74385 59875 10560 54990 31310
04487 56891 19714 03768 28434 72333 12463 30272 00047 52321
54335 10920 67831 54491 84075 67246 53501 32612 71475 27963
74414 17484 65628 89006 37580 55752 32745 21351 72442 42567
63203 24998 94622 09029 52521 52610 17798 50357 85944 51203
55918 05716 81341 95337 82943 25639 70075 10264 42285 87995
20559 08435 23140 48417 34173 87842 45911 36145 68232 65605
23899 31222 65693 45246 93439 83963 96283 41099 29702 62663
38746 08287 90303 40448 58888 51697 53955 57237 63113 12403
46310 17732 32130 54960 70204 11380 64526 04026 82482 65254
84894 03720 84592 65770 96188 98194 19138 10198 81019 56817
89573 73887 81549 92427 45231 04165 12697 46099 98871 76813
88325 36836 68934 76105 65113 99657 63692 84290 33777 60492
49477 91503 12357 21326 70185 62021 21230 54046 10231 17798

44559 26414 18152 25229 07848 08595 33043 96069 26298 33707
81009 38457 03659 10798 33827 18965 86243 13706 46999 21628
01825 94242 19394 14882 38058 93117 41651 62345 40169 47066
25543 38393 32543 15599 31489 34448 93946 75819 36392 98199
00000

19851/17464/15609 kHz, 22-12, 0900/0910/0920 UTC

Damaged waveform. Undecodable. The repeat on 23 Dec was good

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

11166 00052 78541 22099 02529
89888 14295 97428 89426 10182 38406 29946 05463 36120 35793
17892 82963 65817 15538 06262 19836 59163 96613 30526 71425
47653 87761 09757 84927 01420 85434 30098 85469 93141 63243
85746 49781 10163 51343 69651 28411 09299 29206 31092 02407
44007 80198 42352 85409 18600 81424 41658 07094 49200 27250
44569 38896 36128 09967 41025 47961 77388 06008 20212 90253
77974 41185 90453 78761 34644 33354 86314 87743 00886 35962
80089 78938 61737 30916 39877 60692 73161 44197 01428 15930
45660 82677 45943 59913 76806 15554 01023 13721 62401 48853
06943 04391 40923 66447 15452 27654 50967 35999 13277 34211
06364 03293 87521 25477 18656 23382 75149 69736 21630 01990
63732 74650 77583 45598 35660 77041 70018 43671 72988 35907
12452 31440 65131 39589 28021 06693 86557 63046 79578 99010
36705 36159 54970 14875 59284 09000 37165 07096 83168 25031
13944 41995 52048 38128 06823 62776 35046 34411 23906 72530
35476 44779 66347 85297 39933 59116 43112 18648 74903 78092
73737 26188 63083 63497 83752 93452 96586 73052 22476 45621
69243 90624 57853 40472 35159 87795 28045 45040 85738 77712
54424 19403 62348 47162 45705 56021 46812 77804 47856 48101
96930 92504 19517 85386 19205 87699 37573 00829 95948 37738
62613 16581 08997 82130 18924 62739 27167 31647 68726 67280
49690 54198 85339 40624 22784 26442 54956 03265 71548 62047
61722 29904 14396 52560 35799 08531 52177 81798 69103 37871
49205 99723 28415 11663 48363 66724 20532 63180 87480 04242
89158 68449 09164 12685 48231 31593 81272 42567 81345 00747
99250 00000

Link 10053

9416/7836/6785 kHz, 05-12, 1530/1540/1550 UTC

Unreadable

9313/7928/6783 kHz, 07-12, 1650/1700/1710 UTC

11166 10053 15973 07024 00049 00000 00000 00000 00000

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

11166 10053 59741 12001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 14-12, 1650/1700/1710 UTC

11166 10053 75216 14001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 19-12, 1530/1540/1550 UTC

11166 10053 15963 19070 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 21-12, 1650/1700/1710 UTC

11166 10053 36925 21001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 26-12, 1530/1540/1550 UTC

11166 10053 75324 26001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 28-12, 1650/1700/1710 UTC

11166 10053 89574 28001 00049 00000 00000 00000 00000

Link 40122

20157/18241/16204 kHz, 01-12/02-12, 0600/0610/0620 UTC

11166 40122 34168 27076 03799
60626 28224 28510 53283 78063 52552 33051 76322 24142 83358
19118 16732 26067 39935 74551 45621 73933 20490 04038 29651
92232 78407 04171 75119 04028 61898 55422 56518 17500 65449
73178 40504 89536 66543 85055 41212 46064 46058 26672 67858
63805 15802 73061 50565 43147 01612 47919 55342 26812 55459
77867 24171 44019 94991 83933 01121 84815 93956 27413 30438
34275 71943 52319 37546 21251 56877 91609 28893 61357 18700

29353 71584 98885 97691 36057 38737 77327 75844 19319 31498
93207 64751 56998 13652 12892 08430 05098 19774 57082 24528
97534 22849 82672 32344 80000 72304 16648 41106 45084 38383
21734 96930 60855 23814 98461 11927 10093 28696 53353 23851
82343 79543 87902 59778 85998 58431 88046 02207 72582 93175
18816 81041 90435 94482 53840 39902 09969 51016 94414 50175
87703 18303 57795 71265 61256 62427 39426 80466 92472 44452
78779 20913 00896 56498 83491 41018 54746 45412 91493 23868
11621 84984 75813 29989 26073 82631 21742 01928 66284 31484
31053 04093 07004 43836 32958 96280 90942 26864 06484 64335
75810 86581 43975 56372 09192 70944 10384 98006 98436 88058
78053 85023 67755 60425 41685 76924 19717 01150 43152 39797
43319 23069 60878 11929 35835 16728 43449 90618 30615 58128
92151 63617 48032 32218 22122 33635 11761 83024 56797 09347
97573 26398 35362 61343 06845 86280 37856 66465 81952 40454
57658 88946 05759 86697 76015 71814 52358 65286 18311 36980
81287 98786 96759 17462 92380 35062 69212 70171 83445 04448
68767 42701 77975 27019 83865 92562 15057 30898 93560 82290
18675 67526 87659 98875 88600 34856 26404 70944 80046 44383
19395 82130 64286 92966 28448 04078 87404 25373 24053 97509
69397 98480 50137 54797 10773 83074 76821 82476 98875 64188
45848 47141 31093 25909 38370 33147 97154 31596 19795 85577
87688 35450 41367 36898 21248 86358 03174 40739 06972 09977
08263 61243 85083 79955 62565 91421 12409 14277 00305 98945
85093 57621 39579 22822 15728 35705 97812 69383 07044 92529
21753 81032 89381 46483 11706 76173 14124 26218 44703 83781
20258 72258 26273 21030 16284 15267 25522 87426 44638 66905
73196 73889 20818 84234 27426 10200 64412 93583 36826 99273
64202 84832 55654 11692 44539 12041 90701 38908 25177 61358
84615 28601 91752 72166 65327 50586 19089 22370 16290 66726
14529 13798 47196 03294 73469 18623 69876 76377 00000

20157/18241/16204 kHz, 08-12/09-12, 0600/0610/0620 UTC

11166 40122 38921 04077 02869
38435 13805 95775 94736 77578 69493 30219 27725 50192 89982
14984 39205 26239 65294 76218 15163 86888 32509 30463 68942
27056 82187 85476 89112 13496 42616 30217 33144 71909 09069
49929 46563 01488 10289 27255 12289 40334 29347 15329 59829
30206 21099 93772 89032 54008 93402 43547 88070 44476 44293
01581 50357 87494 72303 81127 20068 68474 02123 68784 20972
35239 92762 34096 48245 75848 20439 12714 27962 34807 53348
49009 73945 16080 60520 09107 96681 46376 21948 00263 43951
97105 32164 57530 77908 88481 14477 83644 18258 24181 88019
53069 06240 30007 54840 16141 69100 95000 99175 64250 89740
38424 16143 41990 11224 51064 11995 17223 30842 84287 43153
44987 63408 85291 86199 86191 78489 01978 56008 67037 41240
05895 14211 90091 11543 06690 35182 32965 81138 56490 21731
95521 53424 67678 87689 81563 95626 92469 49581 25922 18015
37751 94554 02902 59856 13613 16786 77005 86803 39005 39513
81880 29382 52960 64911 38433 17289 04826 18981 48033 89179
21927 83648 21753 82623 78124 33260 31585 33928 11671 17653
94567 42514 65834 59002 25754 79525 50708 54624 20974 45369
49649 02920 55309 05865 18783 94650 08239 61698 53015 36743
51372 30860 16982 00787 59726 48762 64378 13437 32471 15716
94105 30895 34084 46466 16672 64658 91851 01454 29281 50729
10665 04514 23058 79466 91023 76682 70830 28270 61213 40803
68923 64285 59570 76625 31389 09314 27791 31075 60120 84116
01204 13391 39274 74305 06959 29810 27457 84995 06065 37496
46096 76424 40205 22382 87441 97705 69283 30642 90633 60923
10626 08450 59275 22739 15781 29736 18945 65711 45855 16611
38090 96507 31323 82163 60736 03193 27243 50298 24447 38801
99826 32317 61981 23349 05287 64926 10074 81502 46914 39360
73786 58076 21310 76295 77284 00000

11166 40122 12389 04078 02859
35392 00232 10094 97129 92934 60061 86118 43181 60549 23493
22963 90173 31132 63394 01827 03453 03162 05916 97289 50034
57300 57270 29944 55509 09657 13809 35527 43463 77657 35089
48999 49611 19436 84608 26997 27818 32708 67919 57106 90205
24053 22772 27386 48526 84540 41020 54585 49000 32648 26928
94487 17791 10391 21614 82825 59311 43626 48275 80191 74556
02440 57913 19403 91639 22583 80229 78729 25718 73870 09388
29450 10512 86490 79324 31162 68581 71172 08295 73271 12567
94122 17357 86127 94574 92698 52449 70210 45888 42734 64788
16830 74208 13467 29244 18766 10592 70994 05392 94281 23289
16216 70930 72962 40662 68164 82150 16797 50376 28710 41137
74963 67040 89526 74405 95732 85498 67295 52643 43942 61955
78064 06256 97479 90109 86701 16403 21197 64511 92392 86206
41710 48300 36098 21821 71516 87528 40936 78064 55862 39261
21400 48272 40801 05622 22364 03092 85887 90992 73818 07877
69928 24541 72259 73398 63242 15267 24672 19525 64867 31757
16060 56596 28130 23836 86436 14148 23050 28295 28232 71693
08989 25896 40049 71242 15988 41823 97699 16245 58241 06795
28467 86645 28135 20988 99526 24749 44282 87997 56468 71556
52010 10997 72846 58298 99719 68292 96709 82809 39563 10460
05039 25476 25872 46255 02029 84400 09787 09472 22163 34507
53504 23958 24001 40255 12594 08949 85634 76651 59823 91931
37740 38257 48923 21214 95159 40859 41723 95377 72960 45520
47116 51833 97906 59664 45269 81625 51272 94910 95527 62705
03944 86332 51448 28846 29744 02823 31398 16390 07916 03266
18157 56013 50704 18198 85964 01701 16972 61641 78442 14114
97793 02804 85834 40538 84948 52321 95000 58606 58275 42753
10600 75974 52797 07990 70910 03138 91583 91280 06703 41591
95263 36560 16632 78283 00000

20157/18241/16204 kHz, 15-12, 0600/0610/0620 UTC

11166 40122 32654 15028 00049 00000 00000 00000 00000

20157/18241/16204 kHz, 22-12/23-12, 0600/0610/0620 UTC

11166 40122 16538 18079 03559
61673 55241 71492 52540 70439 16723 24472 31912 72785 21415
40380 11876 65628 05343 31543 90068 92208 34981 56681 66804
62667 78880 22782 73193 88389 48141 31216 20453 22306 66666
72769 93842 22338 57148 01301 39674 80176 53701 40687 18821
82581 77108 04770 25166 97382 33586 34966 92433 01382 23036
85250 37836 92332 67699 09185 15973 52192 97158 28686 81421
53827 50630 89219 83460 28369 82472 31107 41354 35395 81857
31638 73643 03134 42544 97658 79879 30877 43677 13353 98232
70783 27570 72871 87421 31267 85384 52519 06395 69152 86675
02184 90202 62791 13702 60680 45499 83319 86475 24719 14110
06248 89460 26169 78105 30574 35875 97306 04811 97594 30527
28752 55205 26624 17124 49754 04122 09781 20987 85536 45718
33058 23124 71374 82624 15836 26573 28108 22232 86053 00982
28755 28536 33203 16341 10937 02995 06345 01815 14785 92820
49329 90606 51024 50156 90422 36803 28926 90561 28497 15120
98799 24262 83006 39499 88736 58577 99911 61495 40268 94993
30750 34377 72645 69286 27039 53894 30414 08163 17201 11640
93977 00829 58188 21951 57843 08952 79013 08276 06222 63428
58350 59957 40685 21408 03412 95359 39559 82012 22283 92285
53741 84181 06898 71609 68635 35081 68846 45075 86881 42523
95210 63190 11582 49820 16591 24157 34694 96522 04543 29771
60293 53471 40588 99236 17384 05602 23997 76826 41947 80946
10525 94322 32920 49257 99297 74191 11779 38700 10030 84404
40435 44052 17755 80868 77106 24841 37268 98384 74875 16859
74468 76082 52602 05502 86770 28260 92894 34351 19798 96581
46814 47456 12525 44547 50007 88743 88066 80195 79946 06987

72305 17963 08983 39789 07525 15638 32874 74999 53265 47357
79498 13016 91561 98563 27423 78395 78770 93889 89033 54225
11165 93871 37890 37682 96483 21462 85020 40225 48631 04259
33818 80846 47701 43394 68244 45833 32528 45026 54018 13469
17940 75356 57485 67110 53906 25133 11844 45088 68773 94549
85425 00856 63758 34504 31715 71826 50915 05134 25791 80350
51730 37579 16888 15248 98558 09906 51752 67349 06082 73121
48486 17480 04961 88232 25574 00320 54898 60270 15765 92580
79275 80229 19511 98938 88553 10850 77640 34155 84645 77190
67959 24831 63416 79353 00000

20157/18241/16204 kHz, 29-12/30-12, 0600/0610/0620 UTC

11166 40122 06582 25080 02349
90317 52791 87914 63168 91941 94951 13759 91713 51913 84051
20589 08209 24521 89840 23731 97165 46752 44403 94329 42890
58091 09879 41688 59951 46580 77527 52355 07326 13339 59080
90623 09690 72730 56314 90159 34262 30362 19785 91413 96659
06093 32660 04538 94194 94264 80587 02464 90044 78315 93528
73857 96740 41984 70518 90611 32418 44274 23252 69585 48247
50384 99474 33268 50496 35777 72085 99055 65665 05585 04900
51823 22119 96529 31014 79497 46664 53553 04708 76290 99502
98342 12807 43308 96001 31936 56472 41204 88722 38596 39320
74573 08136 83146 22847 12772 85463 18947 35053 76846 06097
48702 43252 47271 67005 05292 26953 72165 36601 44807 11800
80695 40470 68980 50468 31330 21424 19194 61477 49655 47310
09269 61854 35424 65007 89200 54574 43528 24053 57041 56730
68590 18337 61116 79361 87851 19295 59760 94877 42051 99051
30759 53023 58978 66937 47685 31304 49386 67817 65318 30836
29967 15686 81330 53537 53051 60939 66435 21598 47740 14788
80175 25188 02154 79228 14544 09309 41473 56025 32627 35754
81476 33125 94452 81099 62248 71959 87230 56669 91752 44059
02182 61409 53953 90420 25130 03613 61183 02071 33052 52422
55425 45252 13778 05065 88218 79678 51015 80739 33855 43298
41899 77107 15576 01992 39245 50313 49431 87653 35699 04482
35514 73084 31970 01624 51240 57148 56327 27891 26361 58606
27562 77113 04414 42094 78586 37559 20278 24654 82869 92859
48531 36277 80232 00000

11166 40122 36952 25081 02869
36487 29222 40573 91893 27180 51467 09266 90560 35899 68742
47936 64810 08793 27298 40347 71025 90654 40431 74639 33187
92761 96437 26846 79188 68237 04168 32394 17106 87114 37106
50287 74833 28302 61931 49641 51548 30622 62488 73283 54418
70129 95098 58076 19009 55881 36168 16681 36818 61346 08005
10421 38369 33658 93805 67956 05321 47878 77740 29444 10008
98469 71066 20869 05867 45165 10216 88243 17173 55417 37801
46355 01538 10620 02458 21759 83594 68278 38477 94680 83307
97339 11167 69552 87357 28838 38857 28834 37025 89069 27524
49830 31015 07476 78927 89181 66662 16411 58242 64716 67954
85002 32081 89359 73804 54279 12875 36773 85018 65748 70541
43426 93391 00624 97365 76778 41370 71891 37049 24261 85714
36380 13856 82749 63609 19053 22788 53209 84650 66684 66741
70210 97142 73125 51565 20984 02161 43334 74972 33723 13796
88365 70238 39811 89031 68501 90612 39656 75687 26723 45401
26833 51865 79688 23640 50210 55339 58432 66307 18752 26323
15944 73005 78688 12050 43845 54054 17730 06616 65320 63933
76024 24505 96518 77009 68538 31250 93586 91481 48553 79652
27549 72493 66957 25017 54189 70339 07034 17813 71158 74706
99418 97232 79461 90888 46924 34050 91534 48910 13912 96238
53087 81503 59905 35786 70907 31858 22127 20132 63807 77108
76650 56672 78897 78470 32854 83768 40387 93981 40856 26702
23090 14771 16635 41998 67820 10809 14507 98579 80877 97060
01657 69161 84795 55990 14405 30341 12547 77349 00904 94825

62403 01192 79942 24213 55610 75039 70555 95785 64099 61155
72122 21739 00394 54847 99633 44298 86915 99745 03835 55140
46874 10991 30902 12579 83919 42264 01378 54935 42762 57613
13013 33541 67926 93993 97234 13808 02842 25469 83908 17793
96457 65012 54092 06722 81284 00000

Link 60070

10225/9137/8081 kHz, 14-12, 0030/0040/0050 UTC

11166 60070 78912 14001 00049 00000 00000 00000 00000

10225/9137/8081 kHz, 21-12, 0030/0040/0050 UTC

Too weak to decode

10225/9137/8081 kHz, 28-12, 0030/0040/0050 UTC

11166 60070 59761 28024 00049 00000 00000 00000 00000

Link 70059

7379/6774/5463 kHz, 06-12, 0500/0510/0520 UTC

11166 70059 35741 06001 00049 00000 00000 000000 00000

7379/6774/5463 kHz, 20-12, 0500/0510/0520 UTC

11166 70059 15963 20021 00049 00000 00000 00000 00000

Link 70202

11046/9065/7479 kHz, 01-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 01-12, 1200/1210/1220 UTC

11166 70202 96321 30058 02499

63587 16866 95819 09857 83756 33543 17642 07555 97097 34185
38876 45551 54689 02675 96394 70485 76130 44020 25263 82857
64773 54241 76946 71809 00385 77471 73554 30087 32702 67450
84052 78860 24296 95597 33388 57101 16189 72859 80463 55192
14665 77507 25891 97465 22709 06087 35477 03356 64514 89692
90359 81847 76491 42770 99746 38920 63215 36617 37191 02662
41762 14781 86333 95746 22847 92546 07063 09970 02234 07681
58013 62512 60818 14643 36361 38634 96853 39436 20828 50483
38733 37292 28859 66705 11787 20377 23891 92537 57508 47698
33652 05083 28668 94411 65444 73441 08741 42710 29331 18403
29087 61480 05164 91367 82324 66915 14415 77195 55332 81274
82708 50673 30317 31973 04032 41276 27386 58191 42531 85921
87059 17197 32847 74398 16163 07550 64927 17157 45538 51398
64242 90151 73004 03046 03348 36423 90009 75964 05745 29106
15419 05468 27945 25545 84859 89199 30710 67217 69076 72657
75381 05144 19727 71908 06250 55470 66050 50717 04888 14918
10865 94233 27410 90778 99305 46474 60560 25158 58764 03741
57602 18133 33448 81192 39921 79529 62016 94752 75286 64000
71710 25528 68720 69088 87431 58940 26893 00972 79196 15747
81992 37561 96406 17152 86008 43661 62375 51180 11360 17862
27541 32507 18806 75854 04819 72938 78586 99869 35506 04723
55718 08906 59201 23874 95385 29453 86159 45710 69374 71387
95531 89784 69471 38738 07914 36400 58777 29989 05656 21885
16866 07638 99355 64838 39731 41665 63991 40509 80452 56623
93108 45514 41524 37031 44524 20073 54779 58247 00000

11046/9065/7479 kHz, 02-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 02-12, 1200/1210/1220 UTC

11166 70202 45817 01059 01759

19129 07355 08179 76339 90100 12496 61382 60218 00671 30495
23509 63430 39290 34730 92081 01787 01010 55419 67976 03568
21734 19608 99092 46621 57480 16251 49510 22912 00856 47327
98828 53942 51926 50930 01361 05493 85663 07270 59884 75115

83167 63515 93626 50821 18841 38434 05180 64392 20710 92739
76025 87763 46079 76113 45361 45906 39702 86813 51919 44654
66664 04826 43450 36909 37152 84482 83586 75661 65313 17495
10741 27267 29383 02330 28749 43410 25261 80876 33946 15203
30748 28331 08340 57844 22595 07243 33602 99286 13590 21660
05532 71344 01840 32307 53709 26678 49452 18741 96005 30097
32797 99408 82638 97619 31539 45558 09480 81712 48626 49937
05273 26178 78425 36205 22478 39088 65185 20016 86408 57237
19024 57691 82357 00528 81615 43432 85404 39740 58786 40999
62579 26111 62174 60811 02081 56178 27173 18385 49232 70305
99323 35056 53864 08341 06359 66935 58807 70839 58068 73014
84189 59297 41195 58373 87219 93815 01536 53421 02147 31649
30424 15111 90083 35077 97817 61067 53381 62015 99133 72554
94236 77829 08055 59173 00000

11166 70202 39857 01060 01959
59043 54650 49128 57683 75909 42587 70025 84122 97474 95206
46832 85438 34117 46991 39928 78345 18504 81764 45858 07657
60130 49122 98209 44400 04635 04774 88107 82075 83845 04511
52787 73243 67479 06471 05669 73639 52446 61391 06362 85986
50685 95533 94066 20712 61467 15979 32779 15737 39120 92970
41752 82539 92089 98991 09653 70678 74295 09277 15844 67955
54702 93424 07231 78412 76052 52827 04121 45348 38702 83572
33510 11541 70484 69530 13264 33867 68552 35302 35603 94502
24124 13720 23350 75887 66085 07580 57361 91659 84367 50309
98593 90718 19057 95240 53234 76633 26157 88188 54335 09564
55952 03015 58391 82890 04908 44870 80290 91735 27040 50797
15089 35577 15693 42388 20036 22114 91675 10176 55287 64607
58667 34452 06755 89854 11859 72202 39515 98998 10750 64837
55227 48356 52037 46415 51990 42455 03553 57038 10076 56465
85159 91114 51985 30208 07564 35166 50253 00942 04981 74883
81445 67097 22572 76096 49787 00166 44619 69365 28855 46910
74349 92869 94772 89103 01359 73283 49353 52967 17579 49335
56612 85512 67703 67715 41104 39955 45038 06054 21511 37407
68684 02618 77914 97017 03024 97447 76215 51767 05412 14599
98096 92086 13037 60193 00000

11046/9065/7479 kHz, 03-12, 0700/0710/0720 UTC

11166 70202 13468 03013 00049 00000 00000 00000 00000

11046/9065/7479 kHz, 06-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 06-12, 1200/1210/1220 UTC

11166 70202 15347 03061 02779
42566 27283 81245 32252 64857 98802 63268 85094 45751 01808
46672 22422 26016 31727 41482 33785 25555 23790 77440 10842
92371 41623 65720 49665 82887 22579 44329 71517 34540 84492
30641 79264 16613 23553 29498 91620 70212 57971 70311 22416
73355 97140 71608 97072 92083 40972 56453 23467 03555 39091
67189 59383 02039 64588 52931 43734 23769 82003 28253 83734
51574 14242 26499 15224 85231 38096 96164 78318 88484 63078
13786 75586 48654 73230 11759 04922 09788 36619 44547 84326
65280 12186 41704 10761 20906 08657 21148 20271 64194 75182
61125 41571 01097 28408 54311 60271 45872 45655 92465 35938
75131 78906 55106 39171 81986 69274 00607 00889 91224 66653
83192 91012 21463 84223 44236 68723 05213 42518 51314 71499
02785 82719 83461 35102 70987 53885 86037 61709 72545 03787
43681 78382 37173 28051 44746 53052 10255 57282 35699 60205
50053 86873 88881 13481 59394 79166 32095 07329 62758 92673
13439 34956 64722 18029 99837 74715 50686 25377 32702 62151
15824 52860 89152 89868 33189 90919 22246 02421 96922 42076
78644 78416 01498 60891 17168 17004 42930 03791 76656 70951
52906 43436 66589 93489 01753 27340 78894 91112 31197 85400
44390 99526 02846 16056 82288 24924 73324 05733 16206 17785

32018 61289 55114 71378 62341 60129 62669 62165 12488 47682
63358 74275 86581 36933 58899 75261 92184 89692 53335 35306
05086 84286 10249 07073 37309 99367 90555 08391 19286 68523
44290 74959 32130 85368 54842 75260 50932 63822 59063 04860
85046 83240 91698 02299 26272 73103 27565 53747 40889 16939
19925 78622 66480 80175 58489 13343 99473 91602 95484 35422
84342 33136 13225 95076 40409 17574 31625 46545 87178 59020
79093 96296 54149 65679 75240 61275 00000

11046/9065/7479 kHz, 07-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 07-12, 1200/1210/1220 UTC

11166 70202 96325 06062 01539
81636 35928 20046 74777 98261 85448 98357 13537 96326 38419
82976 68155 90603 33612 67337 78727 21200 44686 60345 67786
65786 60072 79511 74715 55436 80907 34416 41828 48763 10493
67696 88042 44049 33669 45735 31095 34049 09597 16252 44221
33156 26331 74966 58247 31619 90660 08544 45038 56500 51642
05981 43216 44056 81251 55653 12114 53231 60611 70184 24883
74953 45222 06339 36701 16920 07624 72115 89012 68555 80953
38247 35743 75836 51804 96270 02427 80663 75846 30374 14177
04474 14638 95195 53442 80780 17063 16773 33489 66320 93838
58820 98542 85509 58521 21522 86521 87881 33462 65043 15313
23204 44133 74927 78520 63957 50275 11573 61617 29864 87300
10990 14451 94160 16377 29004 41030 76287 06656 46112 92540
50697 98055 75163 74512 26465 18054 39064 04092 77381 50917
10689 78345 27230 82815 32188 39535 19917 71246 55870 48308
29160 12218 73865 00731 87414 03623 28732 50108 38720 28239
22222 62151 00000

11166 70202 39857 06063 01699
75046 32003 80728 80628 69227 21416 71812 13457 07024 11786
96112 24866 51799 65212 65581 56822 99385 65906 01528 92213
20945 28255 43744 44230 28594 18673 28474 89974 62210 83400
96176 52997 20874 99452 15000 64450 87371 90892 30927 57539
19206 77634 80509 74960 04548 48943 27142 94020 06565 78837
06812 99114 44569 25570 94249 56255 85415 82375 25434 69340
43594 71683 37384 22852 13451 99964 11167 40655 81976 15421
29071 15615 95590 35685 81874 89686 79382 37734 87153 89190
32217 27193 04551 44949 46161 29224 58973 51968 23669 68182
07619 48367 90954 28229 11801 18225 30988 12091 99488 48047
84570 40154 29512 91528 92903 57069 93361 22304 80100 38068
15524 79380 99081 12182 38287 34929 89281 44529 01966 39121
19613 44879 56461 21719 15119 94674 65117 55072 90756 09698
86789 08246 40749 80560 47083 46937 56933 58228 34685 58884
74559 76740 83725 09452 68964 30325 28125 57079 51556 47106
38839 83278 38566 26565 79958 16874 90978 32974 44588 57160
49094 61960 56456 25683 10167 22417 48178 63167 00000

11046/9065/7479 kHz, 08-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 08-12, 1200/1210/1220 UTC

11166 70202 64871 07064 02659
91785 36507 30393 30151 00218 30224 19932 98530 25137 67872
63191 38651 88516 16918 60466 41811 70950 75810 56424 68426
34934 34158 59723 39890 52940 56826 82265 28583 26203 21654
46518 88213 05180 65464 34329 91681 47594 18070 75698 68637
75028 28952 00913 59953 13977 16301 04510 31259 32315 93106
94489 12761 07118 49994 25216 57506 84760 99475 37452 35305
19242 11324 53960 04472 99667 93740 04103 28593 02834 00016
75889 30500 31842 65362 18898 00641 26691 03616 46515 02023
57775 18482 10935 38939 38232 09021 49336 81642 16076 74065
24703 64165 32049 45244 09701 97473 54145 03308 87065 65141
24713 57445 64927 93725 81111 92276 30513 15045 35828 12201
90670 62535 27008 37811 72643 68874 75336 34028 83537 57061

08200 74674 51915 42152 37073 73157 99957 85810 99066 33947
19632 70893 98571 04557 51296 88232 09935 32679 88187 52814
27116 58206 55224 91547 71249 94784 35560 69789 92049 80619
43335 48839 24011 03196 66050 91567 83324 27619 25011 58387
16453 83255 27276 60731 36311 88357 07542 64252 06971 17370
83413 58905 62849 40593 72488 38117 73300 90903 44691 54222
88555 37211 08306 42363 27952 69333 53130 30028 96377 23999
99204 74418 39885 06639 24537 94846 76395 88670 70272 92331
62441 84958 46745 73590 81881 41136 88838 21617 67524 85482
34108 80021 91600 25030 22091 43335 86024 90604 38242 70458
78368 60478 50945 63433 54506 17319 15017 78744 83852 18130
40161 63325 68132 81869 47798 32452 99630 24425 64710 31732
39845 95646 26942 50348 54492 98116 92391 77768 65795 92338
85532 21100 07996 18050 22699 25274 97024 86327 91378 63243
50271 22183 81941 64263 00000

11046/9065/7479 kHz, 09-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 09-12, 1200/1210/1220 UTC

11166 70202 25469 08065 01579
57400 62314 02335 00492 10686 29318 38958 85300 11455 58112
14216 50728 47867 04412 56259 60456 27950 31476 71991 77006
79326 27491 27704 33658 52552 41008 20037 58027 82752 07893
04469 83243 89256 68215 73506 07657 17895 96513 01773 89023
55667 93879 00174 84099 72461 15298 46340 69581 69511 30673
83518 05333 39272 42986 05113 25834 66421 12025 67058 70787
24652 57104 95208 90830 48954 37242 79938 89272 88080 32205
75133 85811 66864 72872 43766 13159 13094 94359 17241 82511
28628 10324 60696 78808 09430 31904 61446 71713 44218 79728
82767 53252 46424 62425 50185 38055 99125 20068 62489 87123
17667 56009 44624 41082 59634 05529 84676 73831 36891 14730
22123 02553 09342 28131 79537 14997 65128 08390 54944 99994
16936 36587 17005 92129 69104 66518 70216 66506 35219 31424
82327 44557 10888 26606 91141 96814 31376 16348 32904 53604
68790 38602 59460 59577 48504 05861 36368 33028 89509 25657
39158 15940 98380 89131 89924 65155 00000

11166 70202 74836 08066 01679
72211 70594 65866 33952 32626 40398 92104 44100 42519 07417
23853 30539 35375 85826 40754 10307 65490 67690 81028 39028
08626 94972 45301 48803 45180 44156 63414 01034 18069 84385
28923 77624 82501 95091 30944 59007 89830 54019 38068 62417
72684 31610 13995 38854 23549 52662 69609 52184 83990 11220
81157 88798 86719 49616 29235 71278 17667 37624 38258 74504
90272 12628 21106 67640 49162 66780 58637 30438 45415 92064
68746 17294 50588 19203 44667 67491 01715 11350 67196 85086
94427 98515 20530 36843 66434 63638 66408 41683 38496 16262
56237 50078 05122 14746 85897 36809 92154 22952 22907 55556
23440 12333 60640 28737 63767 45376 79284 71029 30259 01330
18220 70035 89416 30152 89515 72503 81988 45619 87226 49557
42861 93533 72174 39364 08162 55964 36908 90684 26747 77462
80529 55736 18279 24188 48064 05817 45070 11878 14074 68106
89884 63606 15197 07117 56885 83265 61296 99187 37908 55704
79911 73501 11267 09467 73702 18034 65250 03066 95560 73883
63525 20729 71091 66415 94616 66165 00000

11046/9065/7479 kHz, 13-12, 0700/0710/0720 UTC

11166 70202 46821 10018 00049 00000 00000 00000 00000
11166 70202 64291 10067 02079
63148 21313 97209 92311 22231 50326 40654 53296 05240 52196
66067 70355 88835 03364 96354 36504 05544 78741 42473 63536
74366 48506 06161 89414 06487 50382 60106 72873 47011 42107
28999 92407 38684 63748 19892 91848 18514 64579 75318 39712
83244 74191 47610 94493 84612 22532 17828 93118 40327 38558

07772 04721 71712 82180 58490 16938 03944 89213 73730 46915
89820 33986 51766 94210 43015 39318 54049 77767 91723 88558
84104 24172 88674 19345 75122 99357 38416 03805 09683 00960
27825 44857 20038 53497 70782 43324 42405 73577 02940 15529
23698 97307 87525 66062 04138 87101 18120 45423 24182 60064
29346 47203 29205 05149 51400 24511 70369 81273 69373 30323
25131 13580 73298 11446 85802 30018 09845 10783 89630 05464
71627 57587 88805 05533 85034 50385 83854 47291 82542 62275
68851 19050 70432 23265 61878 26430 27853 59354 19179 56880
98177 93040 56443 79842 58571 34942 25659 24749 78733 21214
20957 04040 04721 76459 11914 73383 28821 06816 27723 46298
31388 52900 40683 05348 05596 57308 22444 77115 01031 26353
71440 63127 47080 90726 34958 43926 42031 94778 74261 98470
18841 69087 46233 06062 23497 66031 99941 22968 66918 63027
11607 50956 36323 63134 06363 39891 77010 47708 40284 91614
80490 60797 41107 57279 39897 67205 00000

11046/9065/7479 kHz, 14-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 14-12, 1200/1210/1220 UTC

11166 70202 34871 13068 01759
00315 73685 45306 31552 50098 37449 62476 29763 05979 56117
27804 94775 15002 81487 58174 75442 18579 81335 71048 27020
07706 59254 02429 94726 09531 31232 08512 15767 66206 63665
74469 56996 91958 02473 78800 30414 19326 48019 86683 53686
70492 55524 70771 47861 14647 65644 82863 89493 97329 94925
24897 59342 52682 40799 92692 54839 34538 80815 90886 58518
27314 70816 42496 79580 22608 71700 41550 10806 72469 59508
22225 67967 55258 98481 42917 03969 15048 81809 08702 14860
60491 69727 80602 79950 34105 79677 45114 03182 87898 08197
42424 47962 26282 89240 76754 82639 02213 18613 57273 78817
77482 99198 43013 29677 83116 86686 90225 80517 40803 40467
25620 88687 31292 09390 93912 55091 20714 07079 53138 94477
80730 56478 16140 36675 63489 08332 61704 75975 17284 63266
63750 10853 53886 52186 12024 41193 03470 54648 22743 15241
18072 59916 62608 43435 09527 00376 34642 21326 32807 12004
99271 28763 50720 01576 29111 97544 40876 25292 20870 64703
30895 08529 12824 53628 72760 61378 81296 50209 92280 69688
14578 66182 74576 68173 00000

11166 70202 51489 13069 01819
57084 90067 08408 20668 76986 19708 94268 73327 32353 33354
28898 90075 92208 03744 89040 94949 53281 72205 44794 30686
65556 45186 85986 09399 79415 98689 88118 61005 81541 26560
97535 77857 11787 93552 40531 78986 78176 79127 86054 42424
12251 22899 16732 79024 31928 07691 87863 46226 04068 41119
79107 25198 23934 21651 68514 09793 53741 00073 83627 80762
87463 72306 09310 63665 34106 64512 56999 93892 36623 96412
25081 37272 68661 33772 05058 39670 76325 65985 13209 04038
57156 69688 52422 18333 93493 44354 33897 82758 82429 30785
13388 09761 29526 48468 21697 95210 98491 12701 94079 84222
34004 17451 28279 80026 99861 94868 25847 69364 99656 87403
96459 62805 72154 93448 29913 73456 78568 72463 65471 82482
23916 20504 13275 64880 79642 52103 07486 73946 99707 49432
95851 07873 47309 64689 95391 06908 74444 86644 68879 54521
21489 07286 01814 81013 28981 49496 84564 92999 78804 41709
29386 77214 06947 50466 76978 52067 55036 06832 72281 65387
52828 87585 14208 61806 48839 37140 08976 68195 31313 41118
81752 70615 06703 87532 26279 81206 27869 76491 97175 69179
00000

11046/9065/7479 kHz, 15-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 15-12, 1200/1210/1220 UTC

11166 70202 13485 14070 02299

97261 18181 96691 33671 39826 97626 50399 01293 56851 94805
83953 44370 33826 12911 67106 55583 28756 89998 05249 12447
57026 17023 98338 15708 02130 85264 46806 62606 00730 05347
15363 09685 75456 65016 90664 04839 13912 17881 93750 93294
17295 20294 33221 27193 67089 58568 10055 33484 83270 33716
10042 19799 72433 95884 44740 23010 89318 45699 26913 30141
60139 44675 91365 26340 41174 01913 97144 49581 11043 29238
72008 56799 20117 81993 85129 31133 45489 27661 58951 84971
24960 09504 56145 38488 68448 97410 02605 78346 70295 43145
32408 26282 70880 82164 65692 72215 40986 49218 55378 51624
87359 99897 63676 71824 02904 55332 54316 16872 09932 12219
11440 85767 69926 85367 21086 43647 58241 74957 76216 90641
27179 75686 91209 78115 05891 70000 36769 26939 10523 72594
31173 27511 63062 18373 48819 26199 42303 11050 31979 27902
15384 74581 16727 69404 23334 74624 08953 43223 19046 02194
71422 76631 81146 36719 07799 95543 52168 30679 54583 27950
74481 83015 16900 26592 22419 93490 09065 15566 54025 15198
85879 90530 30878 47404 75581 27226 79407 35907 50398 77976
92159 73102 95632 60864 92441 14950 63216 71277 10776 57012
20686 70497 46618 36769 31492 31034 13755 54388 27607 43379
92843 29143 60341 13875 39506 33653 40335 08392 21436 73155
02637 21477 82941 01978 57818 75699 60367 94402 15069 80841
96838 12121 88189 07648 29752 35452 20446 70227 00000

11046/9065/7479 kHz, 16-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 16-12, 1200/1210/1220 UTC

11166 70202 28641 15071 01599
45126 37225 34894 86386 70923 10762 29530 15322 99367 96721
02545 19020 23785 12401 68709 87821 53274 65273 50338 32969
17458 45518 83646 37185 13132 28012 72488 42071 34999 94735
44130 45758 57667 13531 86773 09244 61107 34135 73496 94867
16759 87444 02312 85347 76460 98935 07026 56816 31404 52187
18584 04308 33298 63427 81591 43117 94920 53070 55704 34478
12260 25147 56558 08995 75417 90589 15950 86261 60473 95307
65931 14121 19497 38975 76529 75973 10885 95484 01755 39609
37221 70998 13607 45962 82848 60536 28756 61258 68323 89028
57577 40973 63963 47790 30251 79041 29663 62333 79588 40768
73157 52471 85290 02852 43944 70637 09315 48992 05024 29377
77052 94490 49670 53924 83980 38292 55404 20817 32500 65913
92359 68491 28633 51679 28233 90780 93272 33720 97003 49259
67668 60152 23612 65377 17839 29897 21778 78317 67600 76559
07156 79508 14891 68810 93005 59738 11088 25719 60573 29803
07998 70448 21364 00627 02209 70785 13502 71157 00000

11166 70202 37642 15072 01639
00365 36731 85326 84685 01315 98210 49308 52262 01282 27106
32355 26649 00518 17531 44263 27992 30599 56535 41163 16313
63474 38117 39305 79190 43662 92950 07466 12522 85777 44775
92640 67781 04584 29387 58745 64216 69741 37159 42974 89435
02462 65039 59529 36797 56235 88953 05406 53064 48835 92564
47906 94742 37771 13304 98585 16555 56397 91637 03309 40477
52839 34490 03107 78773 98954 28757 45527 09487 61490 65865
51154 27796 52640 63297 64992 21691 02179 94028 47406 45408
18374 59814 84291 89051 29843 69257 21179 67845 25571 06603
50945 79448 35242 02188 09829 02784 17107 40495 61431 36792
45544 66740 73397 02584 15526 77923 16457 57390 06160 09306
40514 93781 70501 52219 07482 22568 43828 64170 85538 62832
87548 57167 34494 87532 10955 75197 36964 98100 37985 96814
55028 26492 11198 23755 17065 88103 50140 41523 64447 34021
06299 62898 12794 76004 81817 90273 07457 82680 04176 57796
77931 70352 74007 39219 20886 36882 28255 32415 66483 12076
85842 72161 00000

11046/9065/7479 kHz, 17-12, 0700/0710/0720 UTC

11166 70202 79465 17011 00049 00000 00000 00000 00000

11046/9065/7479 kHz, 20-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 20-12, 1200/1210/1220 UTC

11166 70202 45173 17073 02339

20370 16035 74446 99373 75585 75699 02308 44481 20675 51527
96541 07042 70012 78848 26057 67899 84343 18977 60389 64544
75217 25148 18129 27022 53275 27692 11548 94789 81319 43134
10850 31734 18107 36911 76489 81505 63800 94380 32992 30380
43018 79830 82718 69827 86423 88149 83007 75972 96781 18876
35136 48136 10425 27287 58528 73653 90073 32227 48662 11140
09934 85371 42101 09407 19023 31589 37097 04212 93655 15117
43186 60019 15021 11218 58242 48979 32803 88015 96393 84289
00772 28192 15268 50152 95276 65237 15981 95489 52599 13938
14326 83618 86087 99783 06589 15077 69003 17001 78423 65771
94045 69877 30242 07655 45460 77073 17535 04102 44686 43618
29582 97183 55480 30261 54970 29028 59445 74878 07368 64441
37912 45613 09993 06990 21098 30450 62210 25732 90497 92890
36689 34776 45428 48445 80571 92853 69675 41595 19080 15115
59168 27945 85001 14302 96637 91234 22493 13512 84171 49897
38634 97732 69631 32857 01178 96328 27843 29262 05926 13677
82516 41814 62172 50128 79822 98415 69651 80497 49569 01791
85423 82251 14911 21794 04144 30601 36536 60075 00149 02662
02253 41795 04788 57900 97939 14085 17458 87024 20763 55925
73759 46524 20633 29140 19219 21045 80808 25196 62021 80777
73604 87482 03175 26056 52136 13776 67564 36353 64030 68556
84311 65852 98054 59887 89897 52794 99583 60525 52473 34777
15863 77955 40795 87202 56985 03049 86232 27055 83530 92006
11281 73231 00000

11046/9065/7479 kHz, 21-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 21-12, 1200/1210/1220 UTC

11166 70202 17564 20074 02459

01092 13819 70266 93141 18657 66610 56610 24610 13706 25204
40463 68880 13116 77680 05644 37210 08989 38618 70440 22971
52831 63767 79696 55821 95148 91768 32145 32139 06387 92602
41441 13922 40161 27476 54316 13324 24700 49815 74306 05030
93457 02064 64479 33644 90819 87963 27600 08291 13847 25015
87186 01606 75986 06801 17869 95311 03700 29862 98511 39563
01934 64805 86521 18248 49378 76343 36788 37431 09447 21948
13690 79137 67914 83797 69604 87644 33161 13721 88355 80490
59939 95811 17046 01371 82623 56407 34705 57121 68864 76119
31186 05969 29593 83604 94758 89237 46309 35753 31829 23702
01596 14002 67228 96772 23784 91438 98501 31698 81730 50400
02642 14977 90615 55244 18697 03161 14724 09985 54703 51247
78130 55479 92363 29829 19235 85852 87917 23217 50082 88845
92650 25689 06408 39782 41452 78091 99333 03832 82898 11937
04678 26259 49256 93232 50783 15361 89881 83186 90828 47748
16427 57998 70547 50694 33301 54931 27292 41216 51827 36823
81388 26577 11525 92257 05707 95908 56955 13558 84396 57633
43582 19803 96719 02371 71057 17054 86915 96021 67404 12967
06044 32720 72498 28000 36728 02328 94317 70374 36761 52172
36376 67008 62481 47712 19787 67584 57879 61812 48393 63951
20365 47316 90403 92051 79130 72618 74967 08545 47047 24902
27131 59337 32036 10740 89606 82184 18849 08755 04798 10570
57200 54011 55518 71035 17176 58832 87835 91158 97873 99735
64483 60364 00197 25161 22277 10750 99751 63700 31970 10126
80775 37486 83991 74243 00000

11166 70202 64841 20075 01159

73142 42770 75883 87328 04048 60621 10961 37833 62138 28824
90231 73029 70142 17927 25982 27087 37554 43638 12943 29588

66951 67164 73716 51422 77207 80012 26563 62493 85783 84215
30252 74682 17295 03894 85636 68500 30528 89108 98662 26875
81106 97936 34488 24496 61988 67700 17402 46170 88981 11304
56238 32617 23470 99598 99953 77139 49525 15724 53084 21619
47613 92353 05734 25252 32062 67795 57819 04492 44486 21875
42230 67609 20357 77539 76606 92326 70910 79121 98412 19946
47566 83206 63004 64433 81057 23026 09371 59866 12455 32331
23237 94709 58275 39673 52220 06338 76855 69034 52720 34255
28183 07737 73243 55435 44378 27582 03833 50239 53000 70149
46297 72329 20374 75113 00000

11046/9065/7479 kHz, 22-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 22-12, 1200/1210/1220 UTC

11166 70202 93457 21076 02459
92851 32635 39188 35737 90468 14323 60851 36251 84391 92542
54256 11198 80657 91205 82587 69634 65256 18755 55518 72214
77856 30539 09823 77982 64531 86202 65083 66657 07934 94281
15431 41090 58334 61202 43257 39592 14000 86851 65844 12803
24300 73923 50835 44808 14025 43218 61488 23172 52323 72091
17663 87590 14707 98231 83456 11847 11558 55955 17441 98743
81584 37214 46442 92727 73649 94493 48778 39863 65412 27794
57919 49862 92234 22879 22494 39858 84768 32988 83571 64594
38679 21186 55179 62731 64930 05547 18970 73961 94074 74356
68994 06596 32987 63528 67504 60345 97474 13405 97729 33950
69205 47145 24565 72368 50390 37883 99104 33202 14653 56842
67966 77043 77534 19591 73327 11444 35059 72637 54633 43171
43809 87535 87895 18472 40935 54706 23528 55990 27552 94143
08655 02066 63942 25217 04830 63072 50025 62723 37100 94503
89505 31417 35362 51474 61160 16170 53931 30344 45685 89970
80278 56135 81549 86935 68859 95444 48290 12541 60985 99523
00686 08233 76659 07235 02247 12631 89327 62538 31459 86497
19476 26242 59217 93663 08014 86654 20894 55101 55377 98865
31465 18325 37298 07323 17147 09313 33162 31397 61971 59141
27910 18620 92742 22504 73409 95293 50806 30323 20234 69143
24073 43618 55790 63707 37740 00847 09736 89162 27132 75874
12615 79251 41116 88791 18650 49017 49514 36733 28643 53026
52964 36925 73900 48763 18653 99104 47136 94894 90369 69540
91285 39075 46313 13810 82162 75003 03090 30540 65908 73391
89336 13292 37153 76243 00000

11046/9065/7479 kHz, 23-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 23-12, 1200/1210/1220 UTC

11166 70202 23518 22077 02479
30205 67806 32687 94507 80951 76171 73738 26273 24165 73453
62599 64763 97233 90218 45240 80539 31452 50399 53604 69715
64395 01904 02400 56684 47308 22320 61384 74293 39705 60662
07824 44886 08363 01081 88818 10671 72895 59490 48172 86841
65098 49041 97509 35881 94247 75375 36308 86509 35552 47609
50554 45683 83924 15973 44692 77105 40285 72047 86567 44679
22561 72539 70039 44337 18589 72525 24960 72685 23096 79111
29208 05905 25949 61429 02454 87343 43863 77933 86354 47237
12753 06909 40862 02993 82920 91140 11330 13486 84253 32689
46110 85784 53641 98685 69327 57768 41779 24120 38511 05050
41550 22520 41783 45659 05193 40487 14285 40916 42405 17022
78521 15932 16608 33559 38334 48176 81535 65677 81156 97552
25344 72396 68271 76405 14430 84012 17738 82920 54140 74407
09685 46325 08569 28767 68650 57360 46616 42649 02668 82425
06513 13330 03765 84866 95981 09384 39590 01827 70237 29414
90830 50093 54999 85885 14122 59401 06719 74991 35130 56597
27195 18492 01505 49138 74773 88466 50374 81329 39317 50909
70081 61762 73135 89112 60850 85377 95050 92769 24060 98598
09804 23745 34822 80960 09975 94432 77545 41692 52617 19657
49178 54666 27776 28041 59810 80174 61099 43793 85329 46948

17709 74827 51815 92878 99537 68184 56357 87862 53305 18665
53988 87210 31326 41626 65414 89067 72338 45877 85240 94263
94542 67605 95368 92057 18030 51285 13250 20184 58794 88483
29706 72661 61514 50523 15974 53791 63295 75925 04680 01782
05548 98581 74429 30445 36208 77245 00000

11166 70202 24685 22078 01179
84266 86228 79655 00048 69194 80366 36021 01170 25867 91993
00228 76274 90412 53097 63921 17168 64708 62292 41343 75884
88099 87181 99885 11238 38911 15649 35284 58519 51672 85754
39870 64520 61013 48941 37333 55089 08149 46222 82421 27377
70904 02047 49020 83989 03210 65530 55050 51222 95004 53737
97614 48556 88495 76693 96844 01617 11691 48835 71866 15778
15166 16564 97339 52595 22980 56604 13998 76259 33702 24854
91630 62258 32459 60402 67945 85430 99964 74416 11744 29605
29460 78578 83854 86006 87494 32761 94253 32621 79496 16623
78818 11702 06069 54829 44147 47613 20937 50562 53875 72187
26506 07022 54944 49795 67938 41610 67243 19305 11721 22468
85063 95125 19626 82067 63818 78115 00000

11046/9065/7479 kHz, 24-12 kHz, 0700/0710/0720 UTC

11166 70202 46821 24015 00049 00000 00000 00000 00000

11046/9065/7479 kHz, 27-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 27-12, 1200/1210/1220 UTC

11166 70202 46823 24079 02559
04537 16611 20220 13669 78938 25526 35151 69303 08012 55364
56622 87575 01500 71236 67097 40344 91425 71894 28574 53783
64597 46049 32920 03815 58506 45582 36684 33896 69031 17838
91311 49866 43406 64187 04714 71523 56869 17052 95114 45634
96448 52561 23129 50051 00312 81057 12996 43635 26115 82605
98906 41664 46807 79722 57378 21416 97290 64488 11587 87620
20424 22252 18621 52453 85754 19098 75579 09776 79463 45273
05451 08300 88923 31759 08720 53358 30331 82172 91635 91985
92842 87192 07071 60985 97648 13684 68920 02666 95428 85725
25978 77945 50625 99716 06206 31514 85963 40752 67376 88716
85673 92453 14975 88879 80832 57447 73343 84740 65276 30675
20975 62679 15519 92721 25905 63445 13105 15352 42146 08049
92848 96439 53087 58523 65385 66481 72804 68238 87477 33876
41224 01449 78514 61168 74065 26766 06637 89427 53511 14254
92929 52966 70531 90810 07123 51574 54811 33553 53224 72460
53213 05864 68543 79089 42707 65814 84516 09104 88715 01628
22805 48505 84805 73886 25064 74305 34665 69163 39859 82814
62297 94766 15133 45763 61388 69286 69690 61442 19755 88628
42115 93051 79844 72222 40565 11447 21193 19095 41893 84457
75803 28496 13515 79988 12368 64759 56462 75066 50274 71088
93084 88036 89337 61961 47792 76095 66188 48829 94324 65331
73262 78808 67947 05485 01325 91046 66031 66593 91461 20452
85452 19728 07493 03470 70239 68988 64717 65607 67912 26963
75961 95371 17962 50833 00831 34330 20877 81303 09139 37969
61189 51560 94422 87037 82956 58427 98499 54073 41122 12927
32994 54784 77194 79253 00000

11046/9065/7479 kHz, 28-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 28-12, 1200/1210/1220 UTC

11166 70202 46791 27080 02239
60114 51580 50631 44383 79953 88563 93936 00012 89436 71894
86146 18829 72260 29202 86189 74357 65440 67611 14917 72001
76737 04618 28241 08492 50620 41644 03656 98221 68700 09953
88567 08665 95567 43616 83881 72066 05992 59224 61285 65582
54392 47011 37654 77077 72536 03104 55022 98738 06405 57566
39568 15724 28142 77935 38028 82005 84049 52928 54997 00615
64555 86015 39546 50466 07080 53546 94584 26955 67768 07108

07429 88503 22991 24820 24985 26261 86574 41225 22007 99131
53696 10502 35856 01320 07368 82646 66203 54587 48460 97343
63104 42400 35201 25194 51902 28161 43077 10995 68373 24712
81091 98756 02569 07288 25300 43150 74787 87120 55573 37061
92110 87877 06521 09949 58944 92106 68504 76696 39999 49905
99699 41625 99155 66972 35118 87388 62636 14246 03546 03402
79942 26311 88330 33522 80970 80760 92946 47644 52772 75708
97294 66916 84365 47629 15647 97253 53058 96713 92203 50844
50714 11942 95176 60321 73393 13042 95348 15310 22810 51532
40037 76019 93048 38038 58418 43571 40962 88059 59123 91756
63713 03390 06061 89910 31864 31354 83406 71574 51486 69085
85679 28662 53705 04993 93865 35792 35120 14628 23497 34484
97547 53140 55664 31910 60511 11493 86852 93879 44934 28637
58581 36755 51444 76839 52759 47974 81761 62330 63693 89879
76580 08477 82710 66535 68394 13663 56298 58212 72704 01065
03732 80221 00000

11166 70202 24519 27081 01779
74237 57132 25598 67780 52504 42870 41828 64279 99925 45513
87308 75950 94376 71987 59433 78613 34181 84984 02013 18041
56857 90433 11360 84186 29055 80924 22185 84355 31114 52283
59191 44974 84700 35470 65346 96672 96940 11006 42741 22347
19493 98101 66990 72898 46006 35680 61105 80340 96389 97483
39768 22956 61339 08451 59968 22185 05553 54545 38911 75945
53076 03240 25158 58070 03216 76818 33919 38533 50453 45710
82449 04177 06801 34024 86480 84604 50042 54476 03620 12945
46281 14907 34662 76160 20251 63561 18753 34599 71806 65325
83329 15468 62059 26113 34794 09923 17564 07581 00834 28456
26016 99361 60355 94278 21896 41009 21938 79367 85477 10832
36770 12888 03670 23814 56994 16654 66100 05803 75396 47345
94894 36153 07381 50125 31586 76019 01173 53399 29586 24475
87173 59349 25669 69655 02423 09975 88886 27104 51083 33300
70365 82520 86910 99443 02429 81077 28628 41252 20457 30524
44144 19150 05957 10230 64567 34937 74240 03385 13930 24183
55190 94528 65582 81933 40514 99594 61179 01400 95944 20665
53203 30322 61823 42623 56960 81175 00000

11046/9065/7479 kHz, 29-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 29-12, 1200/1210/1220 UTC

11166 70202 84923 28082 02599
65025 63610 89693 66870 16475 57647 26933 03893 33342 88940
59094 47741 90759 81655 24546 53036 50681 64780 39302 30189
91884 40873 34485 01492 34209 25995 49757 37003 61716 84277
99888 56154 74466 05551 56660 06014 23596 99477 13289 52150
09385 04632 23554 43030 46991 35952 32825 33889 29563 19012
43165 81012 43388 84544 79705 42366 14792 21664 50484 45508
93449 13205 16916 08724 01827 01635 17106 26326 05405 58977
09180 54047 83407 59158 26816 55470 04700 76249 64175 95427
38540 57020 32420 91317 54899 41241 54988 58261 94008 28183
93838 09049 09834 12745 23829 94805 17161 39646 97435 97324
96993 49121 66988 08986 39922 12565 56610 61221 32184 81539
01056 87446 14075 98618 93627 31405 65419 43469 10371 36859
97776 12630 02710 79565 58071 56423 75742 27475 73339 21426
94365 40092 91271 71949 84406 42930 96249 88960 20983 38005
05555 69876 21236 36300 75442 77681 83661 23138 71761 12798
41201 92405 84822 06144 20298 10562 93181 56823 23085 96366
06043 62880 74923 27271 38959 18563 04440 08406 02525 76518
48290 65106 08737 98376 97799 44905 24730 42145 29704 39941
28552 59860 88141 65709 46687 03928 10116 57105 77993 65593
11596 67680 33765 93978 76451 83069 48589 69124 15407 84503
41693 27471 87200 23372 33464 63219 99144 92742 46837 54010
29255 06802 48232 84352 37166 24140 07724 65248 55990 75821
83148 73444 82326 84176 57811 58750 06603 83255 86505 92859

50936 76875 29514 58114 06698 95212 79285 99646 88977 35854
09477 89337 50124 00271 01051 75029 19562 61631 25098 13431
62058 24903 87101 10149 71641 65180 62301 82257 00000

11046/9065/7479 kHz, 30-12, 0700/0710/0720 UTC

9178/7624/5789 kHz, 30-12, 1200/1210/1220 UTC

11166 70202 74125 28083 02199

98666 88427 64750 86626 35604 95019 72371 23721 44463 98321
94384 13526 53405 48793 06292 24637 35863 40810 91093 02590
47224 64864 43989 12139 29979 02034 88516 36661 04510 46686
33789 83134 87711 68335 27549 66115 06637 48599 84693 69156
99339 54190 95991 07107 20120 31883 46653 37728 91351 36383
99451 96059 69071 27059 22089 49984 14536 94439 63483 00411
88913 02451 08670 74535 13315 57305 66998 85599 61339 38986
73330 57588 76330 56275 06902 38312 30524 11248 57551 49306
68280 84175 94000 45975 00584 74783 13875 86435 43003 60789
80144 32492 14291 59661 73685 31166 37818 04542 16632 50243
13030 70267 46228 66250 49105 10423 43850 28322 78012 91367
48886 46371 89146 34173 12180 77028 52735 00410 68699 05759
24207 82712 34142 48615 46693 86077 55143 22057 93874 10814
67794 54272 20339 73095 44146 36441 11646 24043 31384 37376
51294 53285 13371 29985 46759 87928 49241 02980 81811 22869
68729 56281 87283 43398 28929 03553 47484 26024 62161 30300
84450 28455 69644 80975 87207 04686 40657 73517 78246 06108
01866 64780 34390 54606 26530 15273 04243 98553 58247 26647
89412 87658 28941 50392 81684 27601 75773 91139 73342 00386
86670 53052 82825 61357 29152 02703 62893 48813 42143 46901
83514 67153 95467 48901 06634 29498 46701 31420 95031 70723
50076 39914 22450 66835 97126 64544 77173 83217 00000

11166 70202 79462 28084 01799

41290 80962 31424 49515 20400 59398 14518 01890 78413 88279
43512 22439 22231 28641 31269 88924 82919 22118 92486 82435
78889 00587 60640 15826 76828 84568 48763 81389 48822 62596
15019 22458 49109 68720 18994 58619 58894 00352 79649 19224
72673 43620 70873 64897 24498 98441 15565 01713 77615 20482
64191 17730 25928 22199 68762 96597 80705 00154 88138 87873
40992 80784 85638 38788 71133 01821 04860 17111 33883 71527
34665 79823 52498 72973 99262 67276 00293 05506 34321 27525
41052 80613 35065 00528 68780 14384 87269 16893 20191 83715
17109 90868 58391 38501 20791 12253 51198 86941 59908 66922
92520 96205 33459 40658 40239 75597 62454 85959 69034 34439
48073 56537 61595 31845 89274 39165 86633 60576 70837 37588
37165 32167 57733 88164 27473 55508 56791 11933 72202 26072
31587 32798 96026 67975 81485 16512 47308 96057 20790 10145
14209 90162 18917 86733 66674 98824 87550 24792 72737 14526
25704 77372 62573 87732 58631 10365 38751 71881 31519 14720
56105 16514 43907 22293 19681 50743 35766 79978 74183 24236
61171 61839 83361 97907 10513 23913 22781 84177 00000

11046/9065/7479 kHz, 31-12, 0700/0710/0720 UTC

11166 70202 63514 31057 00049 00000 00000 00000 00000

Link 80214

10968/9354/7963 kHz, 02-12, 1330/1340/1350 UTC

11166 80214 96581 01038 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 09-12, 1330/1340/1350 UTC

11166 80214 12758 09071 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 16-12, 1330/1340/1350 UTC

11166 80214 93541 16084 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 23-12, 1330/1340/1350 UTC
11166 80214 59731 23026 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 30-12, 1330/1340/1350 UTC
11166 80214 46823 30085 00049 00000 00000 00000 00000

F06a – FSK 200/1000

5185/4835/3796 kHz, 02-12/03-12, 0500/0515/0530 UTC	File 44404
5185/4835/3796 kHz, 09-12/10-12, 0500/0515/0530 UTC	File 44405
5185/4835/3796 kHz, 16-12/17-12, 0500/0515/0530 UTC	File 04406
5185/4835/3796 kHz, 23-12/24-12, 0500/0515/0530 UTC	File 44407
5185/4835/3796 kHz, 30-12/31-12, 0500/0515/0530 UTC	File 44408
18589/16248/14877 kHz, 04-12/05-12, 1500/1515/1530 UTC	File 04497
18589/16248/14877 kHz, 11-12/12-12, 1500/1515/1530 UTC	File 04498
18589/16248/14877 kHz, 18-12/19-12, 1500/1515/1530 UTC	File 04499
18589/16248/14877 kHz, 25-12/26-12, 1500/1515/1530 UTC	File 04401
3889/3744/3542 kHz, 02-12, 1700/1710/1720 UTC	File 44481
13956/13377/12213 kHz, 06-12, 0905/0915/0925 UTC	File 44493
3889/3744/3542 kHz, 06-12, 1700/1710/1720 UTC	File 44493
13956/13377/12213 kHz, 13-12, 0905/0915/0925 UTC	File 44423 Header 44400 00000 97452 10023 00009
3889/3744/3542 kHz, 13-12, 1700/1710/1720 UTC	File 44423 Header 44400 00000 97452 10023 00009
9101/9944/10831 kHz, 09-12, 0610/0620/0630 UTC	File 44406
10817/12087/12218 kHz, 09-12, 0830/0840/0850 UTC	File 44406
12176/11053/9963 kHz, 09-12, 1100/1110/1120 UTC	File 44409
6792 kHz, 15-12, 1410 UTC	File 44411
9064/6792/4565 kHz, 16-12, 0920/0930/0940 UTC	File 00005000.tlg Header: 44400 60993 34534 16005 00000

X06 - Mazielka

16103 kHz, 01-12, 1235 UTC	MFA Moscow clg 231654: Russian embassy Abuja
14650 kHz, 04-12, 1109 UTC	MFA Moscow clg 215346: Russian Consulate General Mumbai
18523 kHz, 07-12, 1226 UTC	MFA Moscow clg 325614: Russian embassy Nairobi
13369 kHz, 08-12, 0830 UTC	MFA Moscow clg 412356: Russian embassy Budapest
12207 kHz, 10-12, 0746 UTC	MFA Moscow clg 215346: Russian Consulate General Mumbai
12207 kHz, 10-12, 1052 UTC	MFA Moscow clg 215346: Russian Consulate General Mumbai
13420 kHz, 14-12, 0800 UTC	MFA Moscow clg 534216: Russian embassy Baghdad
14650 kHz, 15-12, 1103 UTC	MFA Moscow clg 215346: Russian Consulate General Mumbai
18245 kHz, 15-12, 1257 UTC	MFA Moscow clg 231654: Russian embassy Abuja off 1258
14944 kHz, 17-12, 0823 UTC	MFA Moscow clg 621543: Russian embassy Lisbon end 0830z
13954 kHz, 17-12, 0827 UTC	MFA Moscow clg 213546: Russian embassy Islamabad ended 0840z
12215 kHz, 17-12, 1000 UTC	MFA Moscow clg 361245: Russian embassy Copenhagen
13452 kHz, 20-12, 0753 UTC	MFA Moscow clg 165324: Russian embassy Vienna
12133 kHz, 20-12, 0822 UTC	MFA Moscow clg 263514
14377 kHz, 20-12, 0852 UTC	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 20-12, 1013 UTC	MFA Moscow clg 532614: Russian embassy Paris
10335 kHz, 21-12, 0851 UTC	MFA Moscow clg 154632
15836 kHz, 21-12, 0855 UTC	MFA Moscow clg 165423: Russian embassy Brussels
14358 kHz, 21-12, 0938 UTC	MFA Moscow clg 154263: Russian embassy Rome
15782 kHz, 21-12, 1200 UTC	MFA Moscow clg 325614: Russian embassy Nairobi
20690 kHz, 27-12, 0819 UTC	MFA Moscow clg 156234: Russian embassy Kampala
10127 kHz, 27-12, 0906 UTC	MFA Moscow clg 421635: Russian embassy Oslo
17475 kHz, 27-12, 0900 UTC	MFA Moscow clg 156234: Russian embassy Kampala
11545 kHz, 28-12, 0759 UTC	MFA Moscow clg 534216: Russian embassy Baghdad
13420 kHz, 28-12, 0804 UTC	MFA Moscow clg 534216: Russian embassy Baghdad
14824 kHz, 28-12, 1110 UTC	MFA Moscow clg 625413: Russian embassy Tel Aviv

X06d: single tone tests in CW

13250 kHz, 10-12, 0730 UTC 111111 ended at 0857z
15450 kHz, 10-12, 0858 UTC 111111 ended at 1028z
17450 kHz, 10-12, 1018 UTC 111111 ended at 1037z
10150 kHz, 10-12, 1020 UTC 111111 ended at 1034z
14650 kHz, 10-12, 1034 UTC 111111 ended at 1051z
17250 kHz, 10-12, 1050 UTC 111111 ended at 1150z
15820 kHz, 15-12, 0715 UTC 111111 ended at 1200z
11230 kHz, 15-12, 1200 UTC 111111 ended at 1325z
11230 kHz, 16-12, 0905 UTC 111111 ended at 1316z
12550 kHz, 17-12, 0900 UTC 111111 ended at 1051z
12550 kHz, 24-12, 1116 UTC 111111 ended at 1130z
8250 kHz, 24-12, 1130 UTC 111111 15 secs break at 1158z, off at 1200z, back at 1205z. Ended at 1215z
16350 kHz, 27-12, 0850 UTC 111111 ended at 1024z
10350 kHz, 28-12, 0823 UTC 111111 ended at 1058z

Test in MFSK-6

10550 kHz, 28-12, 1237 UTC 111666 ended at 1305z

XPA1**13465/12165/10265 kHz, 1310/1330/1350 UTC****13465/12165/10265 kHz, 01-12/03-12/08-12/10-12, 1310/1330/1350 UTC**

412 412 412 1 412 412 412 1 412 412 412 1
02273 00180 06655 12489 73709 35208 26582 76070 45615 56120
82741 51847 98269 72895 85866 96041 75528 19084 40428 57439
53754 69948 73523 76961 40228 85764 24244 79378 48953 18889
86382 97610 63244 44784 10282 68022 06153 14592 23952 62555
77831 02260 71784 00131 94536 90901 26509 16168 29936 24547
44746 10973 44954 93541 53790 49361 96553 93051 30593 51338
60558 26532 64296 93566 27128 51213 49060 53068 67419 00581
92837 46590 97991 38850 11782 58956 08693 12042 28031 98488
37295 17130 81062 13892 80284 17136 51995 13795 71070 28951
58983 23916 24363 55336 09660 43838 84459 15852 96092 11231
76678 58364 42332 45259 88429 27388 91088 94330 46924 73985
45168 72133 56621 79914 29288 22529 47180 55639 55494 80385
22433 19408 94830 08449 72401 78406 83255 34170 48364 41528
37646 79932 85800 45927 25299 39021 44432 86311 47942 56604
31136 07397 28778 74897 05488 33453 56439 85321 42547 62306
06526 91169 45685 94796 06890 48180 41483 83293 23549 17665
30794 78477 58436 84954 63041 03686 85524 45457 44869 57674
71182 75124 21617 30158 90824 22665 16966 42498 34893 45401
08736 95509 73717

13465/12165/10265 kHz, 15-12, 1310/1330/1350 UTC

412 412 412 000
09065 00001 00000 33667

13465/12165/10265 kHz, 15-12, 1310/1330/1350 UTC

412 412 412 000
07481 00001 00000 33667

13465/12165/10265 kHz, 22-12/24-12, 1310/1330/1350 UTC

412 412 412 1 412 412 412 1 412 412 412 1
00648 00065 02301 16751 96960 69351 29392 94667 41446 90852
20954 59233 32321 45901 44340 66177 26319 81895 78346 39697
00064 83802 43696 36426 16324 32772 81572 58468 71106 85532
78426 91779 60286 04256 75211 46132 04959 75224 26519 45602
75355 16007 20929 42417 69913 37946 18127 64097 28541 80025
36266 85280 28549 94365 41099 48578 42231 05685 64576 65492
71426 51373 96406 10433 59593 25884 28036 04123

13465/12165/10265 kHz, 29-12, 1310/1330/1350 UTC

412 412 412 000

07587 00001 00000 37267

13465/12165/10265 kHz, 31-12, 1310/1330/1350 UTC

412 412 412 000

02983 00001 00000 37262

11531/12137/13932 kHz 0810/0830/0850 UTC

11531/12137/13932 kHz, 02-12/07-12/09-12, 0810/0830/0850 UTC

395 395 395 1 395 395 395 1 395 395 395 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

11531/12137/13932 kHz, 14-12, 0810/0830/0850 UTC

395 395 395 000

08224 00001 00000 34262

11531/12137/13932 kHz, 16-12, 0810/0830/0850 UTC

395 395 395 000

01672 00001 00000 35260

11531/12137/13932 kHz, 21-12, 0810/0830/0850 UTC

395 395 395 000

03639 00001 00000 40656

11531/12137/13932 kHz, 23-12, 0810/0830/0850 UTC

395 395 395 000

01427 00001 00000 36653

11531/12137/13932 kHz, 28-12, 0810/0830/0850 UTC

395 395 395 000

05972 00001 00000 36664

11531/12137/13932 kHz, 30-12, 0810/0830/0850 UTC

395 395 395 000

07298 00001 00000 36270

XPA2

11493/13393/13993 kHz, 0800/0820/0840 UTC

11493/13393/13993 kHz, 01-12/06-12/08-12, 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

11493/13393/13993 kHz, 13-12, 0800/0820/0840 UTC

09557 00001 00000 37266

11493/13393/13993 kHz, 20-12/22-12, 0800/0820/0840 UTC

03563 00087 24472 78947 19754 61197 35604 93434 37297 08757
19599 76453 44022 35519 54084 38949 29099 85440 91270 07051
26964 05277 78220 84780 55566 08022 56680 57278 18067 41499
31715 71963 22157 73286 99119 95993 14598 21519 23644 28726
06364 09245 64640 57740 53910 24263 71632 50442 94277 68575
17628 12493 40507 16859 90191 86215 59221 07421 09675 75405
53118 27556 35643 14156 93072 99716 72612 95993 98950 39488
56670 36169 32614 40823 02468 12014 43469 15656 66915 26026
88753 83877 38383 04318 23694 50352 94978 00873 92820 65713

11493/13393/13993 kHz, 27-12, 0800/0820/0840 UTC

02778 00001 00000 31260

11493/13393/13993 kHz, 29-12, 0800/0820/0840 UTC

04156 00001 00000 34661

13562/11583/10281 kHz, 0910/0930/0950 UTC

13562/11583/10281 kHz, 01-12, 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

13562/11583/10281 kHz, 06-12, 0910/0930/0950 UTC

03507 00001 00000 37253

13562/11583/10281 kHz, 08-12, 0910/0930/0950 UTC

13562 kHz: off after 1 minute

01934 00001 00000 37654

13562/11583/10281 kHz, 13-12/20-12/22-12, 0910/0930/0950 UTC

04446 00096 98271 12301 05112 07258 25700 03360 97199 35749
87536 01069 37793 20759 28724 33302 19383 94846 43998 04756
98171 81779 79285 97698 01922 98650 35765 89983 96130 56311
13616 62707 66897 38559 02455 91835 84114 54449 55799 71815
86165 73135 08029 89904 04193 57166 68206 78479 65950 18740
96158 91280 54833 50008 98036 77582 74733 26257 41318 46962
27030 68864 03684 98420 88420 98718 48058 10561 16941 84258
76481 47981 92501 98172 31447 33549 19939 95413 28168 60563
46116 14931 44336 10993 96766 82428 28886 77298 45488 95517
75798 95410 53668 87135 81592 32649 44290 37162 64377

13562/11583/10281 kHz, 27-12, 0910/0930/0950 UTC

08619 00001 00000 40661

13562/11583/10281 kHz, 29-12, 0910/0930/0950 UTC

07894 00001 00000 37270

11579/10979/10279 kHz, 1100/1120/1140 UTC**11579/10979/10279 kHz, 01-12/08-12/09-12, 1100/1120/1140 UTC**

00241 00118 56626 09619 67410 01322 58094 58109 63961 56996
43301 32245 04769 75805 02277 46219 62347 04186 58210 33514
92245 84048 50644 44268 52803 41169 74440 43789 95376 97554
66255 62313 26444 69989 37671 01611 33517 75207 15223 13756
10256 78540 98204 11614 06583 36248 38562 56279 05109 39501
82280 70869 08840 71912 94641 01461 38381 17392 43845 32518
32742 78349 11761 22270 65414 76931 38272 05165 17345 07828
16649 90502 98775 14605 07580 36864 90830 06048 99196 44144
03251 59971 71417 92087 33736 00392 77642 76237 17316 72618
95974 92439 49356 17779 59602 71406 17188 82348 71576 44692
08644 18428 28146 45188 01390 22672 87707 75408 99481 64587
04415 77563 09920 07626 22238 07748 07696 97529 59356 11082
54773

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

00241 00118 56626 09619 67410 01322 58094 58109 63961 56996
43301 32245 04769 75805 02277 46219 62347 04186 58210 33514
92245 84048 50644 44268 52803 41169 74440 43789 95376 97554
66255 62313 26444 69989 37671 01611 33517 75207 15223 13756
10256 78540 98204 11614 06583 36248 38562 56279 05109 39501
82280 70869 08840 71912 94641 01461 38381 17392 43845 32518
32742 78349 11761 22270 65414 76931 38272 05165 17345 07828
16649 90502 98775 14605 07580 36864 90830 06048 99196 44144
03251 59971 71417 92087 33736 00392 77642 76237 17316 72618
95974 92439 49356 17779 59602 71406 17188 82348 71576 44692
08644 18428 28146 45188 01390 22672 87707 75408 99481 64587
04415 77563 09920 07626 22238 07748 07696 97529 59356 11082
54773

11579/10979/10279 kHz, 15-12/09-12, 1100/1120/1140 UTC

06617 00001 00000 36557

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

07421 00001 00000 33661

11579/10979/10279 kHz, 22-12/23-12, 1100/1120/1140 UTC

04225 00149 89465 08593 06268 09073 16203 01978 29072 23534
06901 21544 35275 76658 13468 35396 23889 52208 30235 67655
65666 19239 95291 19999 46472 70956 40405 83429 63673 57030
23248 14379 63341 90615 07116 14925 47849 64263 68474 71257
02909 58067 67847 57556 96532 78010 12297 65669 51315 60186
20326 10862 22370 40011 05472 14535 37078 09458 06325 23296
04472 49392 36119 63440 97184 88079 38205 37516 46482 72164
84349 19716 38933 65579 16738 73665 08742 06085 69029 75861
48381 20909 96287 64621 64437 59766 08557 00016 08771 86701
44915 68667 45877 09423 42044 69655 34178 96088 79948 90438
25685 40189 57422 51623 95100 45093 23305 54800 76583 45060
49262 61179 41341 58790 42372 90110 02799 91593 16236 33050
29633 30902 64471 37835 43738 34399 68639 09305 87643 07354
01226 42963 37605 20522 43779 23352 93622 31954 34115 64350
44400 21352 38953 70421 26357 83180 96379 13937 43543 03492
54550 07617

11579/10979/10279 kHz, 29-12, 1100/1120/1140 UTC

08190 00001 00000 31671

11579/10979/10279 kHz, 30-12, 1100/1120/1140 UTC

04262 00001 00000 33262

9389/10289/11589 kHz 1200/1220/1240 UTC**9389/10289/11589 kHz, 01-12/03-12, 1200/1220/1240 UTC**

00256 00158 32036 31962 69737 41841 36595 75126 41354 54259
08670 93137 97777 82714 47486 19136 92802 56495 39788 74836
07576 04596 02245 00190 75664 20832 28262 16392 52647 04054
72411 70763 78932 57192 36189 93631 10948 47871 09493 73001
55623 29242 29449 08940 54601 69906 83487 85062 42649 35653
49685 70262 54233 58289 15479 16714 83412 69759 58792 11083
30577 27453 91311 43351 10296 91334 98427 22216 05877 52550
65256 80794 29443 07261 40142 52390 38948 50021 34978 72224
28618 99676 63239 73961 99046 87356 91109 42451 97407 22211
59971 08050 14081 33402 09289 14494 97257 47099 93582 90373
87300 08363 63199 10145 35551 03622 04719 94145 81381 81965
94560 25095 87798 36545 49000 86971 29239 77583 64473 91705
21332 21117 03175 70239 70869 69034 51215 42110 67272 70877
26648 86210 57711 96600 96777 76955 74659 34240 55581 45443
18878 44551 82927 48798 12109 08583 36935 14504 10088 52296
11210 70054 75416 93769 20549 79471 91411 80076 36502 31827
71422

9389/10289/11589 kHz, 08-12/10-12, 1200/1220/1240 UTC

01762 00092 59191 39836 00108 54011 09136 55374 86214 47637
52073 07244 98358 23110 97919 71345 40852 11791 65720 16200
47443 91690 23773 91487 37918 51328 04574 95631 31183 47797
80715 29775 96816 90604 89802 04498 73034 66129 52654 40224
51404 99891 34111 38761 46568 89795 30842 13640 82906 23164
57889 62842 19072 40365 82042 17106 62966 55898 81500 44688
85925 93948 65273 55246 97923 37206 19988 23425 65155 38463
99167 09413 67721 37468 29851 22431 92874 04595 93514 36853
19375 70238 13288 75829 62625 78635 83582 53791 61093 42578
42385 01134 94295 05340 04103

9389/10289/11589 kHz, 15-12, 1200/1220/1240 UTC

03533 00001 00000 35256

9389/10289/11589 kHz, 17-12, 1200/1220/1240 UTC

06116 00001 00000 34657

9389/10289/11589 kHz, 22-12/24-12, 1200/1220/1240 UTC

04096 00080 37435 48650 48666 93064 02452 46693 40401 58110
46821 10419 75995 89897 24627 09564 74765 80597 72051 47859
54966 70474 66748 63531 71025 47054 78006 21322 60176 56429
99897 76992 25771 88680 37055 42365 35582 89486 78720 87614
06811 86237 99067 55230 58730 43581 84278 29692 60159 81158
77898 67153 52812 41835 05325 74368 91324 22895 66772 00864
54853 74654 47624 61596 00402 27673 45201 40479 80973 87117
77530 59179 84846 14300 99901 44830 86911 35976 41119 18034
31716 80330 73034

9389/10289/11589 kHz, 29-12, 1200/1220/1240 UTC

07501 00001 00000 34257

9389/10289/11589 kHz, 31-12, 1200/1220/1240 UTC

04027 00001 00000 34656

13919/11519/10719 kHz, 0910/0930/0950 UTC**13919/11519/10719 kHz, 02-12/04-10, 0910/0930/0950 UTC**

00007 00198 42173 42240 59303 21030 50396 16580 74811 14173
65526 91392 47918 14065 43793 13751 99594 91103 61112 43308
17814 98682 63331 05205 91199 26880 39558 52674 43656 91433
33087 13337 96165 70494 64208 85538 40759 77681 52181 96630
32975 44883 21547 85138 54585 91911 59951 09297 09464 88411
86678 00369 82541 90642 19643 23137 00618 27873 78649 74124
80835 31707 37009 03700 77006 14977 81776 70592 50733 38883
02009 66781 58062 73913 38431 50511 76725 84496 50012 17561
79158 63882 33877 07275 30804 08254 24454 93650 49062 14636
72237 58820 29731 80447 99606 26824 66628875097 33191 46548
62147 28999 97338 57161 45123 98333 07466 70590 14957 52220
15500 35118 18786 01133 53258 64317 60488 02358 20508 59648
39129 25289 45146 41004 43614 51306 38462 23968 87887 26266
07021 84401 76870 78282 39865 96638 24552 65160 78628 93811
20562 34935 86924 15970 78875 71744 24494 35604 96645 89531
50644 22224 08023 71873 92685 68429 38844 83769 64066 95146
62387 87411 76381 43145 65660 62979823254 47222 39747 60493
55421 27408 23148 79493 49563 28233 88835 63428 56022 03656
91492 63953 15925 59518 67613 84922 19209 93598 48363 79043
66851 90553 88951 30658 75767 62135 30820 96633 64427 02407
71033

13919/11519/10719 kHz, 09-10, 0910/0930/0950 UTC

05410 00001 00000 33256

13919/11519/10719 kHz, 11-12, 0910/0930/0950 UTC

03991 00001 00000 36264

13919/11519/10719 kHz, 16-12/18-12/23-12/25-12, 0910/0930/0950 UTC

00531 00176 36762 00993 07612 77062 66216 88811 17263 23372
27859 68531 80475 73010 60448 66454 47500 64336 31293 43037
69439 13333 74775 47062 92351 07232 25356 69267 72331 92611
43695 13965 69929 33409 32627 53473 25887 82021 43021 91234
10412 15047 52060 86066 70339 89471 00070 13407 08992 77738
73730 99556 60062 14958 97799 97045 93123 97647 64142 92782
09574 08023 49057 49972 71181 39461 75597 10734 49704 43331
44922 54954 82844 90173 51933 58538 91743 12260 70516 48673
33678 55672 86760 36644 86122 53951 05661 15395 28026 18703
49427 86424 04100 58923 43623 45631 20651 91930 92360 98440
09998 74190 70729 45748 70315 25067 30616 18128 59476 18550
48331 99540 53639 73667 10279 87203 44923 08978 62696 73188
26764 49852 15740 48745 88360 45711 51116 81150 91097 50036
38280 56916 27605 76182 69170 62543 62939 92209 53360 61672

26384 78706 18622 12349 40614 11072 79542 93432 86734 62626
77068 14649 33412 58131 51104 26681 84797 72807 67163 22115
13670 11572 47227 11394 23643 54664 61881 58221 06675 55431
78272 75027 97627 32174 45746 27195 93527 49983 14505

13919/11519/10719 kHz, 30-12, 0910/0930/0950 UTC

09606 00001 00000 37261

8184/7684/6784 kHz, 1600/1620/1640 UTC

8184/7684/6784 kHz, 02-12, 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

8184/7684/6784 kHz, 07-12, 1600/1620/1640 UTC

02263 00001 00000 33660

8184/7684/6784 kHz, 09-12, 1600/1620/1640 UTC

05926 00001 00000 40657

8184/7684/6784 kHz, 14-12/16-12, 1600/1620/1640 UTC

00269 00211 13486 51598 43846 43802 38319 12830 33822 59320
01564 74540 65318 19296 28000 16032 26083 85401 38610 01326
94444 71446 54601 36644 89810 79411 74866 34308 97685 06884
91507 35197 40759 21246 85367 84925 85733 05782 84420 40160
23257 93104 59384 22606 16618 56539 78415 31354 08167 10065
31811 68202 80332 78622 37558 68795 96174 53927 04772 44887
39111 04707 51692 00512 84947 44603 30077 50146 51875 49980
03930 01677 90669 24319 89054 14562 25861 42261 23507 27269
32738 93243 67715 67744 37030 78390 62765 20706 95401 16332
70461 30636 48889 06732 92615 47361 36059 20827 86009 86514
61387 46504 53616 10058 50889 72490 94004 91960 94420 00948
89745 44235 11599 72853 86250 38726 93967 44139 11871 36802
86456 06911 03197 66782 37609 61820 45036 99737 34673 54171
00790 08929 07136 12244 40048 83462 97548 17121 75623 34314
79571 03243 82846 58564 17966 17524 14274 17490 31797 80710
45680 54044 58470 64719 61393 31154 40218 50125 20026 03290
03011 22089 14696 07629 75288 79802 51472 58337 51103 80958
52569 09064 41223 53782 38228 90720 56139 05747 40360 30735
00677 09703 29929 44430 29144 63477 42784 78296 69648 10708
25687 08293 74595 02877 80082 93183 84822 35143 19259 99252
36060 33582 48967 10903 03315 22687 40592 33241 45024 81986
54127 88580 32665 73376

8184/7684/6784 kHz, 21-12, 1600/1620/1640 UTC
06878 00001 00000 41265

8184/7684/6784 kHz, 23-12, 1600/1620/1640 UTC
01063 00001 00000 32657

8184/7684/6784 kHz, 28-12, 1600/1620/1640 UTC
06576 00001 00000 36665

8184/7684/6784 kHz, 30-12, 1600/1620/1640 UTC
01416 00001 00000 36252

9265/8165/7665 kHz, 1100/1120/1140 UTC

9265/8165/7665 kHz, 03-12, 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

9265/8165/7665 kHz, 07-12/10-12, 1100/1120/1140 UTC
00510 00081 55365 93504 37487 25159 56696 26565 30851 86463
44307 02404 21214 37413 57520 25388 59246 56105 19099 92668
36643 73910 21374 46460 55663 12403 63997 47442 01071 32690
65202 10790 44176 30496 44347 28870 05240 73015 06568 10810
86773 54388 37954 99386 78071 51113 22169 91288 83815 06924
98394 67958 87376 41502 97593 34991 88201 59047 55900 87337
74239 04996 71716 51884 78327 60067 72174 12287 52603 07858
91861 82828 25727 07613 11809 61379 61304 93965 45878 00821
49200 43804 07474 25647

9265/8165/7665 kHz, 14-12, 1100/1120/1140 UTC
02204 00001 00000 34252

9265/8165/7665 kHz, 17-12, 1100/1120/1140 UTC
01276 00001 00000 35260

9265/8165/7665 kHz, 21-12/24-12, 1100/1120/1140 UTC
00297 00078 84001 82920 03703 20315 54427 55609 00284 30698
36379 65657 85745 17174 23795 42762 42300 01389 80804 69929
31657 05747 51023 88241 07603 78329 47386 81306 35078 39861
30059 39215 82131 93511 29021 12592 11986 61621 24769 89032
88991 26522 09384 49083 61122 05835 99951 58747 17208 02632
56711 88225 04670 44710 01056 12006 47634 59097 57988 99818
06998 24198 46416 15429 40399 41326 48357 59381 14700 66742
11915 97498 69501 99079 89016 12622 86107 77828 92615 87989
15445

9265/8165/7665 kHz, 28-12, 1100/1120/1140 UTC
09691 00001 00000 34672

9265/8165/7665 kHz, 31-12, 1100/1120/1140 UTC
05872 00001 00000 36264

6984/5884/4784 kHz, 1600/1620/1640 UTC**6984/5884/4784 kHz, 04-12, 1600/1620/1640 UTC**

07916 00001 00000 40660

6984/5884/4784 kHz, 06-12, 1600/1620/1640 UTC

08638 00001 00000 40263

6984/5884/4784 kHz, 11-12, 1600/1620/1640 UTC

05072 00001 00000 32264

6984/5884/4784 kHz, 13-12/18-12/20-12/25-12, 1600/1620/1640 UTC

00163 00184 10601 95737 61589 41303 50116 62046 12158 29942

64117 39763 83839 96872 74580 86946 73382 65026 29215 98681

07779 88028 04213 54663 81963 54944 24782 51136 88631 91660

49608 70403 23925 19391 37633 78481 16967 46925 72563 79742

05385 54137 05239 51742 37469 36066 08747 21069 10027 67129

17109 61316 63656 31078 57605 23610 19256 97448 01114 96723

47239 01159 58958 80490 03843 89994 60887 31858 37955 15254

65226 39228 95603 69211 20103 12978 74694 41622 02662 03188

51564 82057 23948 41356 43704 56156 54706 66895 28821 87760

70439 15096 31641 84211 48996 03135 21368 88900 96854 28294

17542 50414 27223 92122 81411 94668 91127 65780 32705 52365

21496 19930 16254 08942 19689 89197 83670 75561 24115 35552

86473 88358 13031 60972 65401 01370 11492 52357 59381 47861

73038 37666 63883 35937 02971 41181 18766 07109 62531 44855

63870 56422 85510 06745 49419 67900 00368 98159 15407 64150

38046 94149 48618 30819 63725 11550 67273 32623 92681 64443

92700 07748 73453 57069 15277 96560 38528 66269 26177 67926

56375 87285 25422 88397 24477 82751 45390 30060 37122 48778

48853 04122 06739 69839 15306 77561 42246

6984/5884/4784 kHz, 27-12, 1600/1620/1640 UTC

03796 00001 00000 37663

10807/12207/13507 kHz, 1200/1220/1240 UTC**10807/12207/13507 kHz, 05-12, 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

10807/12207/13507 kHz, 07-12/12-12, 1200/1220/1240 UTC

04226 00084 07812 52965 06112 46572 79990 03605 54385 19537

23461 73243 97445 18577 63604 25162 42265 29079 14044 44602

53007 07713 82056 16024 25135 81249 99646 97743 30038 30680

17151 38315 29131 69480 35909 26456 56497 54336 17380 80314

94507 33912 98585 15037 22483 52992 60709 97264 95108 27193

86833 84452 50456 77882 67397 33038 76616 37346 94856 01733

37034 77145 71959 80457 18902 00140 10425 45156 96553 88946
81883 94881 87407 66495 92914 93679 79388 84722 81776 52445
51138 57048 93236 00524 01349 49785 71020

10807/12207/13507 kHz, 19-12, 1200/1220/1240 UTC

01703 00001 00000 36251

10807/12207/13507 kHz, 21-12/26-12, 1200/1220/1240 UTC

04370 00068 21039 69736 71695 06234 21023 69838 80008 75005
25512 61260 83974 69629 70807 36297 44789 67840 65665 05317
12060 27020 84464 35696 94329 05794 84788 15380 19462 16995
11026 43157 04490 73903 36296 74470 91512 97183 43046 41295
01408 45392 91818 09213 60655 08736 70058 88395 26226 31393
68910 24944 17200 49716 81459 15782 93408 92298 12228 89747
18604 04385 45087 04498 76035 14374 61270 83935 24436 51071
36641

10807/12207/13507 kHz, 28-12, 1200/1220/1240 UTC

04588 00001 00000 37664

12229/11129/10429 kHz, 1400/1420/1440 UTC
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12229/11129/10429 kHz, 07-12, 1400/1420/1440 UTC

00461 00993 17991 35905 45879 64947 12129 10382 19908 33018
67111 43543 35142 95699 32174 45785 24860 31015 84949 57589
87015 46476 85680 97538 85540 83678 70997 53606 76246 27030
81191 21516 19699 86705 51461 12187 02270 58085 47545 80357
60084 67480 90736 86893 06951 75012 09601 01423 83275 30276
22317 00577 06359 04615 61655 64197 73240 85431 96752 10674
93019 06850 58599 64851 49206 04034 67348 33050 17935 00755
61150 90958 55413 84116 33340 70955 07587 56848 24465 63707
59592 37652 91308 70637 16633 88793 42889 12654 79218 10477
66325 82153 40728 73507 54099 14452 84917 78520 80020 72031
74402 26433 48635 90541 87398 53892 94134 30995 14286 93660
77512 01417 87504 97381 90599 45439 17194 19904 25726 39147
29750 62518 57125 06562 07249 32326 43966 19687 93719 54565
73526 57356 49253 17553 19783 69043 97668 17791 46023 00277
79934 76680 56827 63562 39549 49443 57275 97220 41895 78846
75554 84540 81154 84167 90357 21681 60985 01737 52812 39247
37277 61081 67624 72394 66882 61134 38207 88209 81910 85574
15390 69350 59637 85545 89305 57674 05483 85200 95794 94532
20015 12245 93509 95709 33546 32366 02251 04231 62741 69694
36448 94652 98574 60999 42493 15029 35312 37772 58701 76905
59700 12507 34458 45450 82273 65376 45064 48311 12708 13127
22496 27074 68742 83814 51348 55281 23103 20001 77664 35279
85081 09010 74151 27700 72896 85695 02493 72283 30994 26052
68171 57113 42160 40213 94876 73844 15178 21678 01148 09380
23912 29414 18761 91478 23532 82385 80032 75946 36536 24439
94607 88583 95555 18343 32905 67160 48096 34964 90007 71075
41095 75551 06989 04681 79704 31827 47416 37139 78343 20106
35257 53042 57286 32826 33293 85262 29764 95830 97613 05570
92933 92319 90329 69637 83417 57153 30563 90324 61740 84417
19101 58768 21785 95699 55390 66009 03071 39457 12742 54881
28411 55295 87677 91961 00118 38865 28296 28866 87598 45073
34161 16338 77533 05704 12393 35123 77131 76574 54579 11168
88022 11128 65091 95225 49958 66502 13445 87900 54398 04669
59904 89436 55196 20542 16110 96978 19907 24306 93545 03325
98238 97704 29754 56024 86583 80769 63618 37528 56363 96009
32087 23409 89007 82560 71849 13943 29766 42845 93429 55285
60392 14685 94967 82443 63011 46543 51097 15744 05996 53751
21748 20287 48259 73095 24993 04145 19031 33604 13969 23499
22898 72818 88826 57936 36054 95291 79253 80153 15425 24703

44035 52248 29800 96298 55304 72792 48266 38997 57760 27415
52718 80087 34324 46236 17313 78791 07546 20177 37014 04426
65054 88680 02077 59861 44453 36162 33535 56097 33377 17248
15802 10411 17957 66721 98987 01782 63671 74413 41875 64791
49029 26031 93695 70140 12687 79121 64777 63478 04193 05927
62289 22252 34725 45918 46369 70746 20945 42985 40855 66948
46733 98591 15789 25271 26054 47813 01251 62515 66064 82052
13136 85199 29450 92263 09125 56416 16282 70993 10622 61454
50322 12970 10037 57633 92322 93899 32860 03960 40182 09346
85025 37102 84086 82337 27939 90401 99320 82616 31942 90213
76074 06725 22082 80788 66163 08509 87263 39689 25354 11014
92437 14433 10636 49458 83886 03622 98369 53992 95257 18989
16535 54576 88213 37031 10539 31305 23721 23004 17223 03114
38678 01231 40524 51900 07999 38298 09261 37940 11699 12088
93103 69784 29241 48800 71499 90098 18409 68124 40007 28175
23970 79114 69702 45155 66665 71417 08245 88601 76088 52073
77628 57322 64933 86344 59138 96780 50680 31959 05375 26649
88537 85249 99517 58139 66853 95385 20381 64201 79550 00209
35243 20098 32386 86600 05112 61243 92391 77849 64328 55691
43108 84027 18568 09468 08213 62826 14228 50203 37578 88738
60001 50062 65766 65273 96325 32535 75540 04213 40587 79911
35909 97757 35714 00355 23148 90557 42411 15550 27749 92336
75358 04529 81172 00693 55852 55748 76180 89931 60251 15919
86401 27823 47032 10374 11286 52331 06659 12177 10797 99929
01277 73535 04403 81431 89692 04216 62030 83882 87717 76669
84501 15347 20469 73194 42613 11514 47618 17929 29409 82019
45724 67479 00192 53288 03802 47515 90320 90472 32238 28484
49239 16799 81320 96983 49564 70519 62761 98029 22483 19929
58559 44681 01502 54610 06690 25623 71213 77276 42209 16357
73818 91647 87353 98464 81946 84698 51145 42034 50798 78760
32709 54459 55662 66999 67118 74968 06995 24050 08439 04061
09873 51521 14779 86610 26489 83728 33257 18250 09839 50731
47968 45975 23238 71298 93119 27093 75314 53663 69408 66441
48851 06876 64937 69193 45562 99032 63689 97894 84906 10021
64506 82231 06549 37038 91145 96590 98815 17611 74473 29402
39742 43057 26232 27388 51921 47312 01576 91490 87048 01050
45626 20427 79927 11572 13479 81430 26807 45204 96123 87867
86329 00828 15014 01942 69523 52141 03862 62507 36913 35982
78341 90094 89417 87497 85878 99399 93313 29452 51668 41844
61904 29551 97095 55374 83872 68284 81943 73371 33842 80713
98096 33287 47612 87667 12561 44443 51154 91089 41496 57714
14031 72372 88742 36163 76763 07695 76302 00737 67261 53973
95176 47390 96314 15721 28786 93158 77866 15537 36828 93119
06651 18317 15803 17753 69348 69496 52957 10344 21367 77797
16583 02275 14351 76322 04200 55770 81524 97127 88693 87849
14466 73578 55466 99102 05153 17372 77379 47856 62331 33023
86719 52924 90750 71762 21536 81730 77033 19183 18517 54833
16301 70350 34527 29419 80921 45460 43498 13025 05670 62235
59635 17186 16746 00545 89158 24125 13014 47047 32154 38119
67886 68043 75835 86502 29071 58614 33029 35248 66619 73805
72196 66060 81999 45641 34115 63973 29557 01152 74530 47615
27392 31930 37328 86328 24014 88811 96711 56523 92759 91342
73333 76154 43721 69103 10088 96524 75393 53474 84088 64543
09210 62444 01916 90885 34464 70102 41193 83196 38933 75929
66789 64562 60429 99977 68912 45037 21906 83297 38560 23743
76143 76565 13190 41360 57903 73209 17699 50478 18646 96656
19038 06105 43463 37294 46678 71544 17748 17319 98424 83903
24611 43241 91663 66082 63194 51330 41411 70533 84899 82797
13186 93665 20937 76556 60643 24106 34469 00542 43970 74521
26220 06644 41691 85246 70132 21836 79884 71158 43197 27952
11064 14908 97387 43854 64751 50431

12229/11129/10429 kHz, 11-12, 1410/1420/1440 UTC

00536 00994 90810 72085 48640 30414 07048 74004 62267 62677
07848 21079 41184 29332 31038 16064 04743 28555 63309 51315
68244 87467 61428 04642 44786 98943 92817 12295 53888 59018
14991 11385 07037 43346 81797 05900 97861 53896 08444 73504
26540 97920 52375 39412 14386 97259 70858 31452 73690 85691
89382 83680 15422 54782 15895 77387 40241 86020 94540 19464
47879 30424 09806 12004 93472 69383 82743 62548 71780 06579
88324 02043 46696 72360 87526 86671 93594 99492 31004 15812
82870 12166 46323 00646 88446 66485 27453 64893 67738 78873
08453 08413 57313 61797 52709 10159 78745 43823 80658 84691
51908 71362 97825 60869 32559 46120 63143 69757 20293 02491
85008 25313 19065 65389 72386 30528 21201 03160 16626 39637
58504 62134 29020 97945 23778 15023 34253 45265 71818 15317
69184 10712 01991 87596 34397 05696 61947 42401 37034 62809
49443 16104 53856 81426 53572 54941 87692 67516 71355 99566
47534 03617 67695 87820 06369 49922 69287 01352 31339 04407
21365 74930 03491 75814 74206 93978 95940 55529 62951 96311
55250 78305 44250 54986 29628 55787 39753 42442 62565 29455
46559 59065 20422 47615 29569 94966 51132 64268 51799 58230
53292 51850 19400 18096 04930 01663 01651 18207 45666 67798
78370 03991 35119 92898 36021 47264 34786 28950 78384 94576
38704 07156 20358 88347 13380 43182 02590 46636 46388 65895
10094 95990 75235 95344 21982 49943 85230 92540 87638 93039
12352 01170 00961 23926 79835 54593 19102 61700 80840 87026
54771 23097 55249 18834 06927 70427 74327 61489 30725 27459
98675 94594 28720 01962 94941 09765 96827 88678 25547 42424
18739 58155 97835 50541 24279 48576 74524 09522 06018 56182
47002 66935 63488 51695 64221 64093 86752 94497 39175 71123
39235 95796 25097 95969 17711 63464 42850 84492 36435 88106
11521 52019 61151 07498 41036 53363 71492 26544 64206 24825
04111 91166 29371 46128 31042 09074 04002 39383 14982 60481
52542 84781 01415 78348 53397 82125 94168 88684 92463 90734
87905 29663 62421 59727 91409 28667 84887 14006 82957 68147
02455 63813 32995 13550 18758 62932 47197 59231 85973 52005
33645 15878 43598 61029 10131 59922 31979 00635 00557 49087
42703 21230 15644 24897 54669 15666 59148 13837 98333 54004
01002 95112 65664 23163 85528 71323 64516 48028 52700 32691
12476 46715 82875 20409 42977 58424 55312 40751 80970 24948
37596 83600 61570 28651 12991 33174 19041 79453 14745 75277
47436 18583 51859 61062 24129 65534 71490 44679 93618 05158
65644 95230 63235 36954 24263 98939 03958 25941 82273 61264
35606 12915 15849 23652 86536 91426 75395 46996 95889 24880
35635 70247 07748 52894 63793 38643 43613 29938 43416 18304
95834 97702 94812 61506 53510 29521 44693 94274 42808 05399
02338 69732 01498 57873 18862 34520 75620 20316 97844 27923
26668 14615 14535 45186 44704 40329 55287 09049 74165 42499
76069 88513 10419 62664 55698 92159 25432 94688 13818 69968
25843 19179 67021 56199 15783 26501 92477 66090 03881 43602
08076 68010 53060 32354 85189 87869 90580 12700 86995 62188
10153 47177 99321 47258 15245 16232 65087 99955 40920 93780
90696 57601 84751 49541 57794 05946 89423 69012 13937 93416
07265 13646 97142 80515 48420 18325 71875 16862 32552 41508
87251 13054 29398 88481 12892 13905 02237 98354 86229 39663
56796 59239 73003 06018 95833 50508 27360 35361 05956 45298
68474 98361 54246 00490 53308 36368 08611 33510 51655 63486
31283 35480 34670 77123 65295 36742 01494 85778 88717 04948
82159 89330 68960 20722 10344 88114 87254 89896 91372 08004
97626 78701 07181 95422 22762 96514 97075 10096 91785 10553
44882 70096 13552 37430 84453 04900 91989 48147 00024 66152
45154 09251 31997 03667 45959 74216 42386 39449 45624 90154
29577 86556 67187 07123 08263 99700 72664 56508 73873 73854
19914 46948 89559 31542 41136 69536 51268 83419 86129 88379

67329 97558 40682 76861 96343 70847 76830 77968 08835 80291
10650 93982 98070 72384 07181 17085 68926 79230 37139 17028
67351 38849 13026 09813 89980 26780 36709 94302 80848 06878
19999 67549 70045 56036 65794 70590 58908 37702 18914 80483
46402 52051 61544 90952 78905 76546 76765 83883 17296 92575
70855 56454 86584 04985 61121 05045 41888 67109 18334 41356
53619 58645 06000 77797 22883 78876 82579 14693 70659 58327
64373 34882 70886 71209 21769 25387 85609 49736 65876 71892
45234 56681 71003 14882 83832 73001 07453 32264 72929 55744
33064 06807 26661 06479 81144 53647 15558 66712 63291 05319
81045 22528 70425 60074 39242 58123 90549 05196 40535 68044
94565 88510 30388 65935 19110 24986 68773 54890 19993 37649
19683 03463 48754 43543 16033 10176 47594 71843 19155 22348
02117 48342 92608 63707 34112 14571 96795 16429 98413 92169
94375 61085 02532 34747 09508 49973 83882 43049 05569 62090
45798 99280 62256 74717 94257 44812 29969 35992 51142 72002
15911 92224 50167 72663 15782 83829 14880 79859 03657 59465
56370 67092 64922 12260 74062 78217 88264 40073 99823 63326
27857 06743 85824 72387 11420 85736 44954 09693 82645 40685
40554 03659 48379 36383 85348 85965 79882 39303 73108 09852
87857 86066 53991 49555 32245 43358 96447 01313 79738 43283
03308 65302 42477 99411 36418 45860 01518 53361 58299 44969
49070 39113 16791 37282 55805 53524 05276 10715 61230 80375
71143 90015 94972 54039 29135 32507 40767 84836 10555 22504
40083 70789 65941 96204 16668 13583 07562 49829 86930 51145
50552 83402 34948 89326 88906 46352 02128 02933 15806 37441
57885 60497 29872 03668 60984 49942 71846 24361 07061 17085
01865 58930 61060 01419 60948 89373 79092 63280 44964 87450
03988 91387 64293 70134 69505 20399 15763 40203 40314 92027
75014 07825 97385 06569 78009 65465 00121 54522 61043 66453
26320 95027 53265 96070 61343 58562 90823 37821 03346 39394
05757 13894 19308 44032 28859 27970 64622 32241 08879 00251
88972 27264 34098 73184 11521 39158 25361 74900 60607 67992
79419 63758 26672 80471 24088 14545 50230 02026 77317 04978
53179 38688 12202 24260 88827 40908 65759 29437 43973 44285
62370 64894 29542 60609 39886 49193 08052 32053 80485 47446
37181 63416 63864 99028 40171 25031 65629 26135 08986 42730
57152 35469 03099 16572 77668 61217 62647

12229/11129/10429 kHz, 14-12, 1400/1420/1440 UTC

07164 00001 00000 33665

12229/11129/10429 kHz, 18-12, 1400/1420/1440 UTC

00619 00918 14975 11968 52159 08472 36024 94878 18157 62664
16231 61938 99818 54626 63277 71572 72731 64608 74499 29972
26307 73464 56210 61401 17648 29385 71759 18763 20052 12282
14951 49915 70516 38619 83868 07017 96453 32234 18516 24889
25094 76260 79835 05073 06378 97706 69125 35516 70537 20155
63158 62304 98203 77681 59916 00096 86159 28638 12466 87499
44240 74997 52446 37711 91200 24247 35091 43752 78663 97903
00389 21237 22414 91431 00183 14661 45216 21208 30380 53523
73683 08548 85522 69341 78347 97387 89333 18386 36820 84063
59005 99113 25769 81290 85488 10149 47741 89384 16244 89122
62154 04124 98718 57251 87459 23040 28923 26291 37135 38168
06613 98652 64722 08586 95237 16005 31359 52783 49665 89914
42309 54331 27699 41226 71641 99588 16851 08364 19471 63670
77656 36989 58540 69088 67685 87935 52871 49388 49568 24965
63783 90898 66624 20736 66204 72092 47388 25941 31302 83215
26608 00746 60973 83731 70312 43286 30839 71298 17475 22563
45807 13473 68982 62576 60849 06569 27541 81757 36551 38648
06797 46307 58870 92464 54993 95336 19079 69677 17782 57742
03003 67767 93035 67184 96792 76178 18806 88042 82908 86325
76892 36175 95085 04077 76666 76714 12910 59972 17392 21147

46647 19135 79033 66870 15245 02733 55239 46549 57525 27055
63346 94187 82809 16639 01485 39993 22286 21870 05661 39523
51665 59582 04145 59937 08828 54772 33757 15621 26950 63105
39243 72470 01868 76674 03615 49322 12718 30220 81921 17263
97465 02199 79148 74685 63366 84493 66783 48068 08322 89443
61416 53706 68253 02313 93994 80037 99966 42627 10902 26792
66203 21467 52437 69588 85042 94972 22110 27923 27942 85625
30803 05884 82745 21224 89356 06613 37618 13080 79075 00489
73386 36342 48641 05553 80427 99696 01726 94845 59656 83664
45840 69117 40382 20471 67008 84868 52951 43319 02671 45723
79957 65852 20521 10868 87370 40284 26620 63484 95797 07350
37145 96153 62919 63224 86018 39409 66680 55170 02948 75691
64101 77961 92057 95103 12514 67521 73492 14563 75550 81379
14560 49065 92743 67125 49476 56005 53839 37788 23913 58014
09115 20894 89010 64450 89243 00230 75854 52677 39840 23716
13516 07684 27596 20565 47677 91740 72169 30793 85735 53888
28152 37736 89287 95802 12526 90221 53967 91535 62325 93955
95856 92893 34521 59508 80446 98377 50761 04408 62602 17109
97977 90396 08117 27801 15511 53424 27288 81092 90537 81539
48088 41751 56144 35328 17982 09243 48120 36493 73476 38083
28248 69267 48227 74940 71391 73128 19410 55633 43728 81208
89676 05231 37085 54111 18506 34002 50130 23650 03319 73963
49087 03512 64215 25773 17611 84408 05477 69369 88523 50156
16122 63968 59422 10439 22185 32475 72847 33150 20674 93291
56863 85378 39110 20058 79937 26335 90460 14208 80366 38561
83704 56481 21918 34509 88969 65363 40727 63314 50396 71173
82473 93017 02747 14642 01354 74002 53535 15097 22244 22814
34742 78925 42091 67495 54760 78911 56858 16007 26733 92327
57958 96045 89809 83400 96313 96430 45636 77269 45559 28644
67328 84729 22740 33531 10706 30820 00093 71458 39067 28045
93223 59264 76518 12803 18958 20023 50370 77768 79800 74886
00913 03730 58029 72711 34226 20841 71263 40230 40353 88513
46772 58750 94322 36384 70406 30687 35707 14547 52720 97120
25766 42608 51877 47251 80909 43106 68485 88042 97562 33055
24601 26671 10631 67019 67722 14285 02654 12373 11221 81245
63868 57380 73710 84080 33287 44403 92829 74968 49475 84123
30332 20993 12350 54513 34496 48528 02269 88406 64027 26960
38980 96378 44702 89651 60547 84124 78915 23460 25712 17099
20444 33411 44130 55550 54959 02325 13121 74461 88345 74317
51494 80954 00250 12822 01831 61491 68140 99282 75821 85844
55186 32177 75947 18850 10994 43623 13045 07286 67515 26359
07232 56241 06835 44586 45984 45832 89033 40610 44866 99151
71584 57398 97912 06501 37372 06324 43314 74298 66731 65745
34037 97764 84043 64764 63524 70965 48871 03935 96649 25394
28099 98880 98109 95333 34314 97022 16012 68981 24135 15559
62961 84940 17568 27983 16521 83052 32535 97404 18479 49442
46628 06743 54326 91209 53941 31726 98528 75345 29969 64210
26357 17204 89584 69139 38756 63245 89523 24957 03396 34122
73816 49890 74756 83242 29569 05793 22027 50358 26049 55737
91600 78226 91868 54570 89769 59063 47313 05910 78199 07463
10039 94014 87582 18728 94373 98768 84422 46024 55861 92268
29174 76399 16326 33267 47582 35654 65185 83684 83023 91508
50593 54350 19753 55577 06419 16353 29678 60140 39173 85587
35837 96392 81818 23076 43063 05680 51479 60399 06222 20991
55712 04296 30586 66122 19086 81841 95675 93249 18335 01355
59770 55954 96786 83737 34730 26726 77285 08879 33799 41567
63082 12367 98787 14836 94033 97736 00150 36364 74190 56828
02297 13742 45006 87183 50198 53028 38556 88178 08849 24122
84083 90302 82569 50548 95493 61796 01899 87626 75050 83254
29632 20156 73341 63560 83270 45885 29254 15477 76159 41644
47545 86928 62293 70809 18892 12786 29440 44795 56180 54111
33543 59514 68066 77799 32943 47986 70672 93914 58649 75523
76227 03108 80747 52337 48544 46446 91758 08392 52836 41173

42259 90782 49648 73266 78311 29289 35601 79159 90568 65448
18516 68137 98888 82521 81666 62735 65798 50545 87889 11679
40230 02840 31880 40903 86163 02774 45930 63498 32131 79985
02640 88509 74096 82474 16920 65755 12924 19532 78490 81173
55233 43334 21948 45855 86156 22911 43020 60589 86189 68916
33525 83660 23119 80732 39956 25250 42858 18872 24877 44080
51683 43952 21066 04638 02010 90282 75354 35013 78349 13217
07609 30584 31134 77513 44491 29519 58011 08351 20170 57992
38072 52697 44398 40914 84991 33695 49685 67385 71377 76185
66644

12229/11129/10429 kHz, 21-12, 1400/1420/1440 UTC

00439 00951 69207 81520 65079 31429 39998 93809 23752 54918
22275 27027 30621 60317 43438 37454 91346 17246 13635 17445
51833 97882 43577 27169 97855 16176 52009 73907 48311 87853
35845 72272 25116 22480 88184 04647 38543 04541 40174 87158
63054 53994 35808 49685 86065 86345 32151 07098 64698 91180
90390 93496 89531 14398 69709 30076 65536 39141 73039 78287
48104 02206 82639 34277 13871 28401 58101 83586 06173 47636
26505 19482 18281 00610 09407 52037 41049 92140 98654 24263
31525 31439 98017 07792 79111 12854 19404 36785 78741 07584
46246 39414 13988 94074 30845 82791 36910 47030 32644 38861
57830 48897 02490 43883 24661 13491 04076 68606 68060 07630
90029 00228 03877 62634 57716 33960 47092 93785 56416 20393
80384 22866 60514 32857 24889 92654 20022 34249 65118 40263
91710 41485 96313 60390 90351 72695 90914 02927 19390 01982
47354 98203 14535 97172 31119 96340 52871 16375 20886 63941
30258 26164 24797 86723 23310 32252 56937 50388 54632 82917
06709 96055 04538 54411 83848 76092 03082 99948 99737 19247
37708 67221 25134 63719 55031 95566 83518 26005 16725 47480
81151 77388 12652 89942 03667 87886 10658 62000 52114 80196
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50711 26869 07202 92326 19452 92225 86180 94630 64257 24160
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08977 13320 12235 55720 15261 37645 99671 35382 07566 87507
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50223 62997 59475 50173 82178 14740 67051 57707 75998 66406
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12229/11129/10429 kHz, 25-12, 1400/1420/1440 UTC

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49858 42246 68205 26042 03584 54682 60173 15289 51494 03649
83637 04013 06429 56474 73157 99634 17193 34893 74159 87198
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26880 17174 93390 94439 69552 85660 17025 12080 37409 98216
27029 21261 60562 23038 64636 84452 03498 37833 00463 21887

58820 81750 76631 35688 45608 60093 66687 14299 29225 43040
65992 01744 80813 10860 83695 52454 29687 17767 06740 21083
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81659 12549 66193 51093 41290 79396 88874 26929 69878 54354
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70845 96631 43509 70126 60277 98739 22707 16495 74493 94309
61704 77165 18338 15437 06179 15348 54632 04759 35744 81111
39929 00013 24670 62908 68944 58720 03134 54442 04526 88037
62034 50583 12713 83234 17487 22775 68353 72899 59610 77487
55696 87252 22826 39275 64348 21379 47899 11494 00376 20346
85731 11203 74457 54925 15225 60676 18911 90578 99357 65791
81094 32475 05431 84348 49145 21749 03668 97968 65717 44938
11316 90632 15085 78851 04761 91961 81357 89509 91646 15860
56318 64706 70923 02416 73762 98399 43255 27171 42431 81405
91702 28798 70702 38461 20691 58353 74240 36123 30193 44418
07792 84797 44251 37308 76137 28767 14263 96311 89258 98670
61421 36410 97026 92512 64180 74548 32960 90050 22111 08999
63453 29523 80936 78426 92919 42069 85551 08427 04722 12844
24739 44369 08924 25415 83145 54687 24517 48256 65837 15589
67695 82284 07486 53759 42959 35863 08880 48668 25406 90962
87085 48092 21007

16338/14538/13438 kHz, 1000/1020/1040 UTC
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16338/14538/13438 kHz, 07-12, 1000/1020/1040 UTC

00316 00992 02128 24195 29383 37439 85832 81678 43703 09137
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61136 50823 48104 46899 89631 74545 99676 25790 37272 92241
90360 74729 05363 41441 99886 06912 42026 95078 88509 73637
77722 92499 14594 84094 81753 14888 70634 74807 60077 32551
22689 60280 54611 18257 36027 71970 89275 43748 62991 24866
40078 62311 50472 61857 71770 07005 22316 88489 19532 68175
05389 22278 82268 27213 77055 76444 15244 79423 55700 96950
95938 35731 68826 29811 32078 19945 16945 65960 11107 77448
08836 64257 46270 09470 69109 20900 44465 28578 13386 48407
72741 07734 54243 91617 23788 36235 36922 17054 50122 61857
32225 45858 44381 95921 20172 12462 17761 14678 68570 17213
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86949 94713 92604 24615 86526 60567 44310 04827 96900 72258
74696 10783 98148 49403 85336 27529 37079 08358 07098 04426
78210 20223 45489 18447 55813 15356 72351 55967 95124 42196
20040 29089 66765 12874 69767 94578 83484 72858 54070 38463
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91283 39916 20584 78193 79695 14486 01364 88416 10965 02001
56211 04321 95146 17936 93922 79945 84471 39244 34297 68503
33642 17993 04972 50332 14483 40955 84901 57959 69214 85562
55272 88817 17434 55857 71836 21344 85229 32282 78878 85969
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46907 75811 25470 93876 18438 04402 37565 41649 59773 70773
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73515 28256 65515 65946 70833 12507 91622 71421 34422 71329
82430 74184 02187 48288 50723 26615 98308 67315 39671 13657
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39591 85067 30278 97860 52475 01662 83983 41269 77500 37079
46459 04841 69349 00343 74273 77472 31867 18492 93852 83009
23531 94711 30127 50768 26423 46745 46379 95447 71378 91577
86326 59307 37267 76328 05290 13633 20966 82004 01474 98601
28397 33415 23064 27599 46288 80441 26621 47093 48841 61732
22606 65409 28003 67759 56664 67771 73128 99564 82001 67714
93136 56069 98792 97723 61111 26648 89621 31852 38865 05082
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18228 39008 66804 27279 13681 73635 98775 69620 82792 49996
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58423 34139 25842 67934 86283 85866 22610 99337 08894 86083
76965 96595 85477 09642 63663 08244 14938 53961 34479 54024
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92017 99364 61549 23092 41565 62929 88418 37935 24716 35217
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60762 26511 33339 71539 83448 10466 54705 02121 93177 20029
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66124 35355 18419 09108 05355 44023 94589 48921 24551 55329
74739 13579 84115 63614 10885 50749 91836 57288 13123 83394
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25805 10748 79201 47099 76159 06368 64394 68756 01572 06432
71428 64315 57161 25355 60539 50328 31940 50118 14690 30850
52975 75032 51021 47766 13164 13536 52712 11282 90893 03386
52298 10233 30776 33990 24847 15234 70760 29821 08958 92029
64384 04817 57995 32163 35689 35358 85037 36819 81655 29094
61486 18481 51238 07512 74965 19137 35311 61166 51904 79264
43877 22734 26017 97112 96856 54818 26492 96639 33713 80735
08044 74301 74552 52197 20728 59618 46568 45044 53621 98298
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29940 13335 54382 61886 13585 15682 27908 48692 42477 35677
35514 93198 67413 74307 84962 88811 68819 62868 16706 67249
92609 86995 05072 79326 55616 17805 16421 32820 03918 56988
73083 35547 17833 41759 51125 26520 47018 76588 77448 34574
48493 52831 69233 47745 75971 77631 71885 53082 57271 75014
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60233 98816 57042 10652 55201 43570 71807 14156 11551 96892
96500 18129 62009 38970 78191 39792 84651 06705 33860 80457
06185 05597 10200 16598 71917 30592 25111 13700 50724 20858
25460 96911 09674 58099 79493 63665 22000 61512 43590 54089
30961 21533 50368 89577 33964 43587 23871 22397 56186 40902
58305 90226 86651 21645 55592 72109 44462 39811 20128 89664
34456 93377 79222 42037 23433 44213 76456 09992 06044 28903
69281 99112 50239 14662 42007 63980 64277 83546 08776 93643
81279 39214 50215 07561 79192 65237 37552 51473 91400 05626
27935 80352 86831 84780 83722 64182 08075 57293 48955 23192
58727 90619 38532 95075 12855 03279 33166 20806 50109 62625
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16338/14538/13438 kHz, 11-12, 1000/1020/1040 UTC

Long message

16338/14538/13438 kHz, 14-12, 1000/1020/1040 UTC

00471 00993 90784 06757 87869 92906 98205 47980 20547 02808
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32867 33058 17769 31010 62239 06304 28307 53742 79277 51480
83467 10567 60906 24684 04682 69564 81505 83736 57065 70204
14630 47631 14928 54947 96329 23924 67412 35191 17414 08770
30735 41348 07385 40705 93035 12179 36121 50168 12700 44560
90621 00373 10644 45079 49123 66931 77479 39901 46336 15266
83865 09484 41065 45851 46055 76861 13373 48729 34167 36671
66741 23217 41863 08330 57657 94382 19045 46850 16645 26427
43365 80171 79395 51319 39729 91205 30017 85397 35133 12780
12333 55176 68018 68217 97435 88497 64303 17782 24630 54946
30510 37984 71299 24977 91494 51139 38924 68100 38935 11638
04177 25665 25581 81952 32973 01143 35758 86151 12558 82026
92015 84346 04231 67002 10431 07495 81873 14690 33781 60231
02995 97704 00498 95490 21098 83524 05184 51924 37659 38802
05238 81906 51454 58542 76256 55594 95504 42896 41858 12004
43374 42763 35966 05319 20588 58664 24550 61859 25162 81297
68902 47598 65110 90450 97717 78959 45788 44425 95973 63062
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19167 29384 02285 14026 57426 98255 03657 33082 02474 04611
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80630 83951 82159 94815 64380 70844 68543 75013 46697 67852
57410 47723 84414 96711 44770 98303 91318 94439 07775 01447
90637 10611 64684 60324 52321 66920 73924 85037 97323 61938
98292 66411 50413 34345 10945 89185 57630 90907 20822 92280
17477 89843 74555 73104 25263 01616 67384 72851 91479 75374
50147 55746 73686 01617 54584 11475 58970 65818 24494 64619
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25805 22847 98820 96382 24179 14082 75795 06217 48500 34645
59652 83013 82010 40869 23218 38176 78527 78167 76179 27405
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68058 85237 22895 57632 05726 27182 95819 32533 40067 92906
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43364 91236 20087 71851 68395 60716 82416 97117 47629 92253
84556 59408 94068 06927 00677 81096 37187 46940 02028 06949
33083 87778 38544 12293 37417 79497 12692 07348 69166 17686
73006 68815 93706 12524 49806 36845 03539 71536 28289 32095
91431 85032 09455 67318 06251 56903 15896 89211 21205 24623
58814 39826 16901 41497 65206 84199 10677 27742 81959 52281
19756 06856 97824 19129 73068 55600 62388 23117 68283 13708
60994 78070 49749 74942 88053 81236 28523 52341 32402 61786
73389 70465 56707 63403 40538 54936 74369 94626 58785 65325
26642 78004 30098 12008 17148 62681 90774 07942 14682 57803
45333 55165 41295 23358 42687 70323 84546 47339 45288 92639

14229 29466 42937 95730 50953 89798 43021 41354 52674 26919
35324 05790 21482 01713 72195 23210 10604 90880 94442 37853
09872 13461 73589 15432 03904 28672 45679 22883 66263 69550
83523 79739 26636 16886 96596 41278 22173 10442 24480 99891
91790 17569 57056 05905 12353 42687 43358 14162 35747 54919
39740 77155 90694 13475 64371 64988 02593 55940 43503 28805
19263 95023 37375 65768 54961 28249 75926 00853 95616 69756
71210 69550 13526 88114 56229 07804 30772 62829 15342 69447
77600 09029 90407 05709 60913 03702 03327 54671 72520 00261
02351 78470 61999 56231 59082 34712 90182 80800 70865 62635
38956 01428 20341 50070 48234 40436 08459 10621 66527 67449
52820 56601 07067 46750 53764 82957 76930 89153 54510 95853
90844 24282 36133 47668 55215 18654 23427 77598 36320 82176
28268 48783 38639 92866 61785 81916 87882 40742 80664 59020
63500 01419 38524 69805 84437 64139 81600 41781 36649 94418
61972 19133 69121 12410 41992 27948 19942 62889 50455 34437
70304 52959 39741 60794 93525 46439 73671 16807 42395 52039
37597 34059 87551 02039 91619 79669 16046 08797 75308 66775
22649 10399 37458 17191 15061 38622 11906 80654 95703 01727
94753 72026 34077 17399 11652 67021 20453 64479 60480 44021
38825 88226 91704 20430 72692 16747 17717 42104 71100 52348
40613 01903 11745 14620 08393 61687 83263 11577 23173 63658
06048 57787 95024 88113 08957 67656 24096 22887 43798 63824
72518 27461 80114 54052 50239 70971 38419 08913 57169 32543
12399 79111 17758 06024 65917 78645 45449 05411 07702 70688
72296 63121 83666 63357 51804 97890 71757 22473 73293 70135
46103 63157 84114 65184 38610 18876 86446 00721 81995 22056
19292 60991 75389 19754 67865 18768 98305 94510 00804 37003
25400 30540 72302 81339 74554 59722 48736 43201 88012 77785
14605 79864 33215 85948 48220 93326 82970 91678 45567 55854
17200 22406 36506 14515 68263 92644 35784 00877 77615 89595
10707 35660 95952 88755 15838 92015 07683 37711 43267 28186
91044 61328 04510 29018 01630 72155 01145 86247 24520 08165
38905 85737 39767 92051 66646 65320 91502 21187 29873 26940
77548 61449 22438 14635 81288 78803 96922 15026 06694 04592
89592 64761 83419 52206 63474 14337 22985 01996 67408 72598
72525 45841 11488 53559 43339 89387 89349 96720 42575 52512
47904 49126 51973 17089 86244 27584 53163 09304 95465 22833
72723 74451 74380 29332 14039 32691 99147 36925 64787 51653
39412 31320 57532 82907 60086 66263 26168 04024 12629 89359
31577 38645 69667 96952 31765 04353

16338/14538/13438 kHz, 18-12, 1000/1020/1040 UTC

00721 00001 00000 35252

16338/14538/13438 kHz, 21-12, 1000/1020/1040 UTC

00276 00999 82138 61251 62685 57299 11410 18566 01777 05428
52274 70306 43840 67926 76691 45804 93914 89673 15401 63270
26150 96269 21266 13701 71295 22574 13102 31304 27071 92830
25163 13208 60417 90233 90658 91486 94271 51461 99327 12802
80491 29573 99439 28701 75524 96477 73457 99259 65731 95925
35784 35151 65706 65860 25115 18114 46123 25604 38642 18775
47322 73623 43007 93564 09726 48784 31450 73805 88379 07573
73034 59067 86870 39409 55415 15035 63047 00114 73136 10675
13578 28972 99700 56409 38352 13143 19274 37255 11385 85020
55572 39946 87531 06067 73858 14504 62838 53551 38896 36964
15452 27091 84800 69155 61454 95984 45862 08306 83542 80780
44317 90903 68146 26279 85197 35025 97089 01783 08269 02189
28992 93434 49754 87346 18348 92497 14222 08150 67349 01720
28618 34402 68463 97423 06739 35958 75294 27039 63024 83609
37489 61225 75925 05521 26037 76490 99865 01498 04781 03873
28396 66012 06325 87274 91540 78227 37767 15898 40277 41522
20133 12999 83848 29643 38389 98765 62994 26326 85909 02895

44189 47234 25332 63895 55375 79299 70800 10000 54084 32573
63930 90432 44347 26221 53890 15531 43552 00001 06775 01611
70368 35939 45018 09713 11100 85039 98314 30878 81117 45594
03470 58269 84639 51964 01035 00035 39188 53619 58270 34721
36844 93120 47806 83743 15878 19222 53812 61649 12405 79112
97289 78152 01894 19689 76251 91721 27002 71014 89029 03463
82325 34660 60940 20877 99530 75061 57182 94859 24318 80616
05693 97917 74055 99010 81284 55452 69890 90143 14671 83859
89408 93748 33491 75045 87679 34565 26864 64711 62769 80764
32390 03614 47195 74854 27839 50080 36821 93853 37676 81702
32221 64905 93801 79876 36210 41160 32957 04605 53803 09568
92038 69016 52391 73330 32711 08270 55581 02660 13440 20896
66155 65828 87310 97480 47629 97318 09214 94924 54381 30331
55092 89866 91748 94161 47234 04715 84092 49385 95365 46902
88626 82641 41707 41713 91311 93680 35787 07734 12970 77290
29763 75507 46848 94936 73471 72513 10787 47159 42669 54490
38922 95045 59475 39073 22432 57776 27609 31557 87794 48906
64758 14597 27273 73371 23495 44497 77710 80118 96585 14966
14184 29793 69629 40174 71292 58634 05825 35867 92172 90281
02219 02258 42453 11376 81495 50473 55823 72735 13283 67630
86512 98253 97522 83226 83015 59668 74064 99794 90195 37064
25372 46457 01566 56973 96276 72052 78926 10330 25114 75429
78235 62605 25830 12204 53670 34139 27754 96679 94278 67812
52384 42421 21203 48281 45515 10893 65004 93910 62467 71143
84908 97223 44484 61163 08084 21837 98355 15924 20686 27511
60513 93156 88943 50932 01920 91211 45721 92125 84466 41250
18180 51303 71931 21634 39684 67356 79710 64816 79187 64043
24807 21344 88735 74834 82476 37708 26823 31647 41477 92739
25695 09143 44261 19592 67459 78796 00406 69863 39203 08756
07703 41008 12173 49295 11869 65329 80126 32472 58872 08469
15705 88116 87809 01819 15570 23048 80637 32077 41203 70781
99377 50002 58738 80426 80135 02442 15228 97952 22051 63925
65413 87917 26570 05448 00804 50629 63195 50199 17889 67241
09544 66377 81720 94524 94446 22018 77118 78759 87311 00679
11091 64071 46299 09533 16026 20236 15326 67292 27035 24420
05338 50739 51709 82033 37610 45773 75026 62930 59906 19036
94186 38224 92091 00533 53627 37549 45403 23153 70690 29986
04600 68913 52739 48968 68905 56624 48689 08496 44028 43305
49309 14645 01669 65848 64093 18720 22660 45687 62046 38321
84829 09368 37333 75064 09071 44620 34401 83379 51904 98608
77680 93105 62055 82324 31379 99022 57533 57602 42323 21445
65465 64981 93979 87620 06290 18137 85576 03986 07782 03525
44144 92463 83613 48118 48859 29479 82872 34027 89358 61657
21441 65541 98665 55999 07949 55372 13896 68465 88507 02693
12657 52945 12810 69698 71231 11879 28331 96321 48903 50300
15615 09346 34253 29401 06483 81295 07777 62271 93857 06471
66390 51777 87385 66576 07681 67803 16489 43862 54402 19091
31700 99473 82745 12491 28851 62659 67999 09480 58034 27041
95188 53284 63986 03745 28686 38419 92140 16013 67543 19273
99598 08224 79094 41474 42619 52244 45680 96269 23866 76699
05428 63493 86780 12295 79872 14941 85244 90493 52221 55064
53732 06707 24985 23330 07259 56566 54206 48923 23321 02478
12653 71146 30141 72910 44008 73948 32874 37668 37569 21913
83274 72575 31653 12498 05236 69416 54800 00127 12915 20928
97023 30907 77419 92643 10127 76173 69136 83576 91050 37715
04496 96855 69161 75151 56983 00513 08013 14266 15910 09433
76290 35656 90615 89929 22580 06773 06286 46010 68797 09752
09130 40489 67816 38751 18723 45600 18253 04871 32213 99634
11240 21806 94388 75375 80948 96593 48258 96751 96711 88335
46876 11750 55871 01899 17766 12820 12239 80586 78245 38091
60434 78115 93559 33572 06921 24312 31814 18891 08337 43651
02260 90122 25092 74318 54552 23557 87792 08214 06679 58419
90576 67648 65643 47061 82267 87866 38458 82036 31728 50135

87791 67897 88074 70165 16708 64982 86518 50441 03157 41080
49573 10704 17968 22988 66754 74124 54188 91777 53399 24475
12193 82925 69468 76189 15113 22761 30462 33150 71520 59612
63574 61060 54301 65735 45581 99807 35645 04626 22444 27414
01257 17764 62997 98950 28573 10139 15767 12064 37079 92575
48901 16516 15363 05325 67307 58784 84484 36745 57903 73348
49329 65826 38777 61429 48869 88379 14399 90198 78482 60226
69144 61620 82034 85778 59532 53942 86013 23843 73980 58134
12430 64728 21292 21992 46340 10637 72601 51606 75660 61967
38109 49038 67440 94287 05834 89633 00953 81506 50320 01151
19197 80850 52798 58912 89111 01634 77122 19085 83001 23434
11022 27086 64502 70577 58054 59198 67283 66899 39218 37974
27768 17170

16338/14538/13438 kHz, 25-12, 1000/1020/1040 UTC

00353 00001 00000 34255

7534 kHz, 02-12, 0800 UTC

04604 00130 87172 93779 46256 26082 76396 75192 39918 76393
11722 90400 56184 24215 31845 47178 53041 68076 71197 78176
34140 03377 28714 16767 33557 29878 65415 11541 35393 93946
10492 98667 04680 64653 90254 89518 89417 50486 25960 99596
47406 08953 93588 09404 69791 41544 94643 15346 71956 90080
94440 59492 92404 57047 46037 49221 30744 59138 11327 56801
29615 34176 57278 94058 55765 32761 71119 44681 18472 48537
06215 61952 06458 45073 57247 70040 46481 18953 24160 54898
87702 34848 51547 32546 55540 06632 22052 68357 79567 19686
28422 22392 68515 20921 58968 60869 00769 47839 45331 94414
09461 48836 23691 60900 32527 93659 15719 16145 59466 08324
95399 83191 12344 66409 09465 57866 08300 62700 74124 26029
44324 00633 05511 29248 48292 57113 87662 64169 55370 29900
33633 51408 54430

XPB1

14978 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1200 UTC
13978 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1210 UTC
13378 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1220 UTC
12178 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1230 UTC
11078 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1240 UTC
10278 kHz, 01-12/04-12/08-12/11-12/15-12/18-12/22-12/25-12/29-12, 1250 UTC

14483 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1100 UTC
13983 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1110 UTC
13483 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1120 UTC
12183 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1130 UTC
11583 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1140 UTC
10983 kHz, 04-12/06-12/11-12/13-12/18-12/20-12/25-12/27-12, 1150 UTC

8058 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2000 UTC
7558 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2010 UTC
5858 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2020 UTC
5158 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2030 UTC
4858 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2040 UTC
4458 kHz, 05-12/07-12/12-12/14-12/19-12/21-12/26-12/28-12, 2050 UTC

12119 kHz, 06-12/07-12/13-12/14-12/20-12/21-12/27-12/28-12, 0600 UTC
13419 kHz, 06-12/07-12/13-12/14-12/20-12/21-12/27-12/28-12, 0610 UTC
13919 kHz, 06-12/07-12/13-12/14-12/20-12/21-12/27-12/28-12, 0620 UTC
14418 kHz, 06-12/07-12/13-12/14-12/20-12/21-12/27-12/28-12, 0630 UTC
14918 kHz, 06-12/07-12/13-12/14-12/20-12/21-12/27-12/28-12, 0640 UTC

Q26 - Chinese military

See M95 and further a nice catch from EW.

20215 kHz, 13-12, 0901 UTC. 4FG messages

19454 kHz, 13-12, 0908 UTC

MBKG MBKG MBKG DE K950 K950 K950

6FG8 6FG8 6FG8 DE K950 K950 K950

XYXYXYXYXY HR MSG GA PSE CY

SY121308

7367 8003 6349 4273 3035 8328 0115 4594 9684 7852

9745 0630 6029 1882 9236 1907 0265 5219 6825 0835

3872 5786 4561 1720 5094 3189 5795 9083 2029 3617

2464 4934 1962 3472 0542 2485 7385 1924 6041 7594

4512 6029 4310 0458 7531 4345 5730 9123 9238 5948

7009 3883 5091 6136 7110 9238 2464 8069 8090 9216

8772 1764 4885 0717 9152 4187 4119 3796 1782 3946

7195 7403 7556 0514 0114 5649 4983 8013 6828 5982

3607 2087 0791 3881 6796 2585 5703 3479 5350 5693

6842 8289 4651 6596 2323 9071 0704 3061 2621

QSL? QSL? QSL? QSL? NR 406 /

MBKG MBKG MBKG DE K950 K950 K950

MBKG MBKG MBKG DE K950 K950 K950

MBKG MBKG MBKG DE K950 K950 K950

XYXYXYXYXY HR MSG GA PSE CY

SY121309

3872 5786 4561 1720 5094 3189 5795 9083 2029 3617

6781 3864 1891 6090 3135 4543 2981 5294 8326 1410

0172 4049 2885 1716 1909 4851 1489 3109 3580 8223

6248 9285 8202 5046 8906 1936 5143 7991 0746 3821

7367 8003 6349 4273 3035 8328 0115 4594 9684 7852

2294 6972 4385 8914 7474 4092 3591 3557 6373 0762

3730 6957 6538 2861 6060 3657 4162 9193 0432 6584

3104 4908 5752 0321 2192 2892 5170 5916 4235 4768

9695 9782 8318 7901 0247 0738 5676 0638 9719 2084

5770 6531 7064 5312 4590 7557 7685 6304 6204

QSL? QSL? QSL? QSL? NR 406 /

MBKG MBKG MBKG DE K950 K950 K950

MBKG MBKG MBKG DE K950 K950 K950

MBKG MBKG MBKG DE K950 K950 K950

XYXYXYXYXY HR MSG GA PSE CY

SY121309

3872 5786 4561 1720 5094 3189 5795 9083 2029 3617

6781 3864 1891 6090 3135 4543 2981 5294 8326 1410

0172 4049 2885 1716 1909 4851 1489 3109 3580 8223

6248 9285 8202 5046 8906 1936 5143 7991 0746 3821

7367 8003 6349 4273 3035 8328 0115 4594 9684 7852

2294 6972 4385 8914 7474 4092 3591 3557 6373 0762

3730 6957 6538 2861 6060 3657 4162 9193 0432 6584

3104 4908 5752 0321 2192 2892 5170 5916 4235 4768

9695 9782 8318 7901 0247 0738 5676 0638 9719 2084

5770 6531 7064 5312 4590 7557 7685 6304 6204

QSL? QSL? QSL? QSL? NR 406 /

MBKG MBKG MBKG DE K950 K950 K950
MBKG MBKG MBKG DE K950 K950 K950
MBKG MBKG MBKG DE K950 K950 K950
XYXYXYXYXY HR MSG GA PSE CY
SY121309
3872 5786 4561 1720 5094 3189 5795 9083 2029 3617
6781 3864 1891 6090 313 QSL? QSL? QSL? 5 4543 QSL?
QSL? QSL? 2981 QSL? QSL? QSL? 5294 8326 1410
0172 4049 2885 1716 1909 4851 1489 3109 3580 8223
6248 9285 8202 5046 8906 1936 5143 7991 0746 3821
7367 8003 6349 4273 3035 8328 0115 4594 9684 7852
2294 6972 4385 8914 7474 4092 3591 3557 6373 0762
3730 6957 6538 2861 6060 3657 4162 9193 0432 6584
3104 4908 5752 0321 2192 2892 5170 5916 4235 4768
9695 9782 8318 7901 0247 0738 5676 0638 9719 2084
5770 6531 7064 5312 4590 7557 7685 6304 6204
QSL? QSL? QSL? QSL? NR 406 /

6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
XYXYXYXYXY HR MSG GA PSE CY
SY121310
3104 4908 5752 0321 2192 2892 5170 5916 4235 4768
3915 4195 9646 4847 6957 8819 5147 9278 6703 2178
6578 5430 6754 2902 6169 5364 5123 7196 3978 1478
2209 4876 8924 3735 7235 1042 4080 4645 8793 2266
0945 9165 4018 1710 9765 8289 4283 3609 0416 0865
3908 3672 3126 0459 5212 1408 0872 8918 0538 5038
1317 2448 1213 6378 4091 7581 8575 3457 1634 7959
6159 0918 8752 0959 0320 7379 1436 0294 0741 6381
0249 8031 8068 7546 4279 6204 2038 7653 2942 7256
4659 0298 7301 4235 5369 5379 7642 1691 0926
QSL? QSL? QSL? QSL? NR 406 /

6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
XYXYXYXYXY HR MSG GA PSE CY
SY121310
3104 4908 5752 0321 2192 2892 5170 5916 4235 4768
3915 4195 9646 4847 6957 8819 5147 9278 6703 2178
6578 5430 6754 2902 6169 5364 5123 7196 3978 1478
2209 4876 8924 3735 7235 1042 4080 4645 8793 2266
0945 9165 4018 1710 9765 8289 4283 3609 0416 0865
3908 3672 3126 0459 5212 1408 0872 8918 0538 5038
1317 2448 1213 6378 4091 7581 8575 3457 1634 7959
6159 0918 8752 0959 0320 7379 1436 0294 0741 6381
0249 8031 8068 7546 4279 6204 2038 7653 2942 7256
4659 0298 7301 4235 5369 5379 7642 1691 0926
QSL? QSL? QSL? QSL? NR 406 /

6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
6FG8 6FG8 6FG8 DE K950 K950 K950
XYXYXYXYXY HR MSG GA PSE CY
SY121310
3104 4908 5752 0321 2192 2892 5170 5916 4235 4768
3915 4195 9646 4847 6957 8819 5147 9278 6703 2178
6578 5430 6754 2902 6169 5364 5123 7196 3978 1478
2209 4876 8924 3735 7235 1042 4080 4645 8793 2266
0945 9165 4018 1710 9765 8289 4283 3609 0416 0865
3908 3672 3126 0459 5212 1408 0872 8918 0538 5038

1317 2448 1213 6378 4091 7581 8575 3457 1634 7959
6159 0918 8752 0959 0320 7379 1436 0294 0741 6381
0249 8031 8068 7546 4279 6204 2038 7653 2942 7256
4659 0298 7301 4235 5369 5379 7642 1691 0926
QSL? QSL? QSL? QSL? NR 406 /

16234 kHz, 16-12, 0900 UTC. Callup but no message

21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
XYXYXYXYXYXY QSA3 BOZ NIL SK /

21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
XYXYXYXYXYXY QSA3 BOZ NIL SK /

21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C
XYXYXYXYXYXY QSA3 BOZ NIL SK /

16318.5 kHz, 16-12, 0930 UTC

21ZT 21ZT 21ZT DE 4D9C 4D9C 4D9C followed by 4FG messages

XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)

Frequencies: 4231.5, 4291, 6250, 6417, 6445, 8313, 8587.5 kHz

Logs:

11-12, 0740 UTC

23-12, 1045 UTC

30-12, 1741 UTC

DIPLOMATIC STATIONS

Egyptian diplomatic stations

10155 kHz, 21-12, 1350 UTC, SITOR-A 100/170	MFA Cairo clg OOVC: Egyptian embassy New Delhi
10165 kHz, 21-12, 1443 UTC, SITOR-A 100/170	MFA Cairo clg OOVC: Egyptian embassy New Delhi
10165 kHz, 21-12, 1450 UTC, CODAN 3012	99903 MFA Cairo msg for 44406: Egyptian embassy New Delhi
16022 kHz, 24-12, 1308 UTC, SITOR-A 100/170	MFA Cairo clg OOVS: Egyptian embassy Kuala Lumpur
16022 kHz, 24-12, 1310 UTC, CODAN 3012	MFA Cairo msg to 44409: Egyptian embassy Kuala Lumpur
16010 kHz, 31-12, 1350 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington

Russian diplo stations

See X06

CLANDESTINE / TARGETED RADIO & JAMMERS

Target: North Korea

7585 kHz, 01-12, 1300 UTC, AM Nippon no Kaze (il bon ue baram). Program in Korean

7585 kHz, 01-12, 1330 UTC, AM Furusato no kaze. Program in Japaneset

Nippon/Furusato no Kaze is a radio station which transmits from Japan to North Korea, trying to reach Japanese citizens that have been kidnapped by North Korea, and are being held there.

Target: Turkey

11530 kHz, 22-12, 1538 UTC, AM	Radio Dengé Welat
11530 kHz, 22-12, 1538 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat
11530 kHz, 31-12, 0800 UTC, AM	Radio Dengé Welat
11530 kHz, 31-12, 0800 UTC, AM	Radio Recep Erdogan jamming Radio Dengé Welat

Target: Horn of Africa

11705 kHz, 22-12, 1520 UTC, AM	Radio Mazaris Samay. Program in Tigrinya
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Target: Cuba

11930 kHz, 23-12, 1830 UTC, AM	Radio Marti. Program in Spanish
11860 kHz, 23-12, 1830 UTC, AM	Radio Marti. Program in Spanish
13820 kHz, 23-12, 1830 UTC, AM	Radio Marti. Program in Spanish

Target: Chad

9635 kHz, 23-12, 1853 kHz, AM	Radio Ndarason International. Program in Kanuri
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Russian-Ukrainian radio war

Who are they really? Ukrainians insulting Russia and Putin in every way, or Russians who pretend to be Ukrainians? The provocative broadcasts are daily on the air, sometimes on two or three frequencies at the same time. 7055 kHz LSB is the most popular frequency. Occasionally they use 3731 kHz in the evening.

7100 kHz, 14-12, 0735 UTC, LSB	Several Ukrainian anti Russia loop messages
7055 kHz, 14-12, 0741 UTC, LSB	Loop transmission
7050 kHz, 22-12, 1041 UTC, LSB	Anti Russia songs (1 2 3 Russian Swine in German), messages
7102 kHz, 22-12, 1043 UTC, LSB	Distorted sounds and voices, air raid sirens, jammer
7100 kHz, 22-12, 1044 UTC, LSB	Distorted sounds and voices, air raid sirens, jammer
7055 kHz, 22-12, 1049 UTC, LSB	Distorted music
7055 kHz, 24-12, 0650 UTC, LSB	Anti Russia and anti Putin messages. Loop transmission
7050 kHz, 25-12, 1312 UTC, LSB	Anti Russia songs (1 2 3 Russian Swine in German)
7055 kHz, 25-12, 1312 UTC, LSB	Offending anti Russia and anti Putin messages
7055 kHz, 26-12, 0858 UTC, LSB	Offending anti Russia slgans. Loop transmission
7050 kHz, 26-12, 0858 UTC, LSB	Offending anti Russia slgans. Loop transmission
7055 kHz, 30-12, 0739 UTC, LSB	Insulting anti Russia propaganda.

UTILITY ROUND-UP**North Korean military**

4856.2 kHz, 05-12, 0759 UTC	VVV JP4 DE GMC k
5101.5 kHz, 05-12, 0812 UTC	EDI wkg NPV ZPU
3341.0 kHz, 05-12, 0846 UTC	SEO wkg B72 L7K LDL LB4 LU7 LBE LIX LIM
3601.5 kHz, 05-12, 0912 UTC	VVV 93Z de 3HC QRU 5672 5672 SK
5420.0 kHz, 05-12, 0934 UTC	P5GO wkg P5A2
3397.0 kHz, 05-12, 0947 UTC	P5GO wkg P5A2
3397.0 kHz, 05-12, 1013 UTC	P5A3 wkg P5D4
3397.0 kHz, 05-12, 1018 UTC	P5GO wkg P5A2

North Korean Navy

Unid

Unid station sending messages in MFSK. Each transmission is ca 4 minutes long. The message is repeated until the 4 minutes are full.

8795 kHz 29-11/30-11/01-12 1230 UTC. Sent 6x with 19 secs space between the transmissions

9081 kHz 29-11/30-11/01-12 1333 UTC. Sent 6x with 19 secs space between the transmissions

8795 kHz, 02-12, 1230 UTC, MFSK. Message sent 6x

9081 kHz, 02-12, 1330 UTC, MFSK. Message sent 8x

8795 kHz, 03-12, 1230 UTC, MFSK. Message sent 8x

9081 kHz, 03-12. Not heard

8795 kHz, 04-12, 1230 UTC, MFSK. Message. Several repeats *)

9081 kHz. 04-12. Not heard

*) 8795 kHz was not audible here in Holland but on the Khabarovsk sdr I saw it on at least 10 freqs between 8700 and 8900 kHz. I have no idea how many there really were. I saw two strong signals and the rest was much weaker.

Recordings:

<http://numbersoddities.nl/8795khz-2021-12-02-1230utc.mp3>

<http://numbersoddities.nl/9081khz-2021-12-02-1330utc.mp3>

<http://numbersoddities.nl/8795khz-2021-12-03-1230utc.mp3>

Propaganda

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-12	1716	Happy Day	30 chr EAM for Dot One? O7XFAS O6QNFZGT7RDGWOZXHXSKHXVX
01-12	1746	Happy Day	30 chr EAM 47AE3Z 4ZEZFIRH7KPLXAZV4SSKVLQC
01-12	1800	Happy Day	30 chr EAM 47AE3Z 4ZEZFIRH7KPLXAZV4SSKVLQC
01-12	1830	Happy Day	30 chr EAM 47AE3Z 4ZEZFIRH7KPLXAZV4SSKVLQC
01-12	1900	Happy Day	30 chr EAM 47AE3Z 4ZEZFIRH7KPLXAZV4SSKVLQC
01-12	1918	Happy Day	30 chr EAM 47AD5I GULNNLUIKA2N7RLTI3IKDFNO
01-12	1930	Happy Day	30 chr EAM 47AD5I GULNNLUIKA2N7RLTI3IKDFNO
01-12	1932	Happy Day	30 chr EAM 47AE3Z 4ZEZFIRH7KPLXAZV4SSKVLQC
01-12	2000	Happy Day	30 chr EAM 47AD5I GULNNLUIKA2N7RLTI3IKDFNO
01-12	2030	Happy Day	30 chr EAM 47AD5I GULNNLUIKA2N7RLTI3IKDFNO
01-12	2100	Happy Day	30 chr EAM 47AD5I GULNNLUIKA2N7RLTI3IKDFNO
02-12	0116	Winthrop	30 chr EAM 47SBJI OCJRUB2N3C2OPCS6PURP2YQ2
02-12	0129	Winthrop	30 chr EAM 47SBJI OCJRUB2N3C2OPCS6PURP2YQ2
02-12	0300	Winthrop	30 chr EAM 47SBJI OCJRUB2N3C2OPCS6PURP2YQ2
02-12	0430	Winthrop	30 chr EAM 47ZLT4 AVQYWKL2UT4RJC4A7WVHG42U
02-12	0433	Winthrop	30 chr EAM 47ZLT4 AVQYWKL2UT4RJC4A7WVHG42U
02-12	0547	Winthrop	30 chr EAM 476V3U 3B3GPLVLHJJXWQXUJKCKUJOF
02-12	0600	Winthrop	30 chr EAM 476V3U 3B3GPLVLHJJXWQXUJKCKUJOF
02-12	0621	Winthrop	202 chr EAM BYPU64 ROI7XLOSWKTZ6243FA2YEAABDWLQTBSTPBTJJJN3XAN32NXDIDXUDWDU IIIIQULBFSSNLUQEMQPIHHHHA2SKWFDDF73OV5Z5GQ6666MWPMZPPK7ZJOXCONXX4444TM ADWOOZVTBYPR3WWP3333G45ZUUFFWECQK5BNWJ6BTUTYKY7CHHHOWC4444P3S5XVJET
02-12	0636	Winthrop	30 chr EAM 476V3U 3B3GPLVLHJJXWQXUJKCKUJOF
02-12	0641	Winthrop	30 chr EAM 47EII7 6EBBRQU646A76ADQ3XEPTOAI
02-12	0643	Winthrop	30 chr EAM 475ZY5 PUHK2J6TRHLF4P6UNFEAWIHJ
02-12	0645	Winthrop	30 chr EAM 47MUKZ KJEGQO2KDQGGQH2HCRN6CSWZ
02-12	0700	Winthrop	30 chr EAM 47MUKZ KJEGQO2KDQGGQH2HCRN6CSWZ
02-12	0702	Winthrop	30 chr EAM 475ZY5 PUHK2J6TRHLF4P6UNFEAWIHJ
02-12	0704	Winthrop	30 chr EAM 47EII7 6EBBRQU646A76ADQ3XEPTOAI
02-12	0711	Winthrop	30 chr EAM 47LREH YNHPUCCBIVSRNCFAN2AKYPMW

02-12	0714	Winthrop	30 chr EAM 47EOD6 E5ISLLS6NATNMFBUI2MEKYVF
02-12	1816	Winthrop	30 chr EAM for Dow-7 076J7R KYOAK4BUI5Z5TOJ22ELOHSTY
02-12	1846	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
02-12	1900	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
02-12	1917	Winthrop	30 chr EAM 47N6TC TZOX7JKT3DP4H3ZWWTC7B36G
02-12	1930	Winthrop	30 chr EAM 47N6TC TZOX7JKT3DP4H3ZWWTC7B36G
02-12	1933	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
02-12	2000	Winthrop	30 chr EAM 47N6TC TZOX7JKT3DP4H3ZWWTC7B36G
02-12	2002	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
02-12	2030	Winthrop	30 chr EAM 47N6TC TZOX7JKT3DP4H3ZWWTC7B36G
02-12	2032	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
02-12	2100	Winthrop	30 chr EAM 47N6TC TZOX7JKT3DP4H3ZWWTC7B36G
02-12	2102	Winthrop	30 chr EAM 47WDAM CKI2QBPDPDXDL4AQXJ7XOWBD
03-12	0710	Overhang	30 chr EAM 47SDAB VK4PQOLIOACN4KONHU053N7B
03-12	1103	Overhang	30 chr EAM for Squad? 072GZY BAXN2FXD33GYOWCATUPPYOE
03-12	1716	Overhang	34 chr EAM 07SBPA M3TTKSM2N4T2D2U3XBHFANUQWK6Z
03-12	1719	Overhang	34 chr EAM 07SBPA M3TTKSM2N4T2D2U3XBHFANUQWK6Z
03-12	1752	Overhang	30 chr EAM 47TMGR RS2A3Z5VOHJWB4VL423GQXIO
03-12	1802	Overhang	30 chr EAM 474V6Z GBA6TBVUBWQTCZTLYMJSNIQR
03-12	1805	Overhang	30 chr EAM 477PIH SG7OXRLE64PEVQ6WYZODJEN7
03-12	1827	Overhang	30 chr EAM 47LQJ5 DQUAVYKXSWGNS6VOLGFVPB
03-12	1831	Overhang	34 chr EAM 0746SK DYJ7HFT7SXAYC562RWJIK5BJPQ6V
03-12	2033	Overhang	30 chr EAM 47VXEY KDG5SXPXPD57FKHIWQ637K2
03-12	2045	Overhang	30 chr EAM 47T6OC EEK5ZNFF7RYFBSFEZARCZAX7
03-12	2059	Overhang	30 chr EAM 47T6OC EEK5ZNFF7RYFBSFEZARCZAX7
03-12	2130	Overhang	30 chr EAM 47T6OC EEK5ZNFF7RYFBSFEZARCZAX7
03-12	2217	Overhang	30 chr EAM for Steel Pipe 07D03A RL7NGYEJOUGUJTP3KHVPCZO5
03-12	2235	Overhang	30 chr EAM for Steel Pipe 07R6QK ZYV6OZIV3BPGLK35WKXNLK3I
03-12	2246	Overhang	30 chr EAM 473V7C FLDR3ADXGUJ6NAZP3F2ULPSQ
04-12	0607	Confront	30 chr EAM 47DHJ4 DTJTTI2LODIJO2KSKJS6VPWN
04-12	0628	Confront	30 chr EAM 47ALE4 3K7AKWCFP3I62NROHHULSV63
04-12	1515	Confront	30 chr EAM for Steel Pipe 07ELK6 FKLIATCJTA5PZJXYVCDZLGM6
04-12	1534	Confront	30 chr EAM for Steel Pipe 07YWRT QWJEVI54MPVGCXMHV5XVU5G7
04-12	1719	Confront	30 chr EAM for Steel Pipe 07I4H2 3GIPWTLWWLCFEIN52CYVY2Z2
04-12	1736	Confront	30 chr EAM for Steel Pipe 07KAG6 SIPTM7AZ4UO5NFV2F5HWUYXY
04-12	1817	Confront	30 chr EAM 47KHUJ 5A6VFQAQLNTJALC73HW5SOC6
04-12	1830	Confront	30 chr EAM 47KHUJ 5A6VFQAQLNTJALC73HW5SOC6
04-12	1902	Confront	30 chr EAM for Steel Pipe 07CVWR GZEWCDGQS4QTX4KYTIPVPVNY
04-12	1923	Confront	30 chr EAM for Steel Pipe 07TVHT 4G7GYIW2RUGDWRWVY6FHKRYX
04-12	2132	Confront	30 chr EAM 47S4EB 063VXRPCHGG43JPETDXDSME6
04-12	2159	Confront	30 chr EAM 47S4EB 063VXRPCHGG43JPETDXDSME6
04-12	2231	Confront	30 chr EAM 47S4EB 063VXRPCHGG43JPETDXDSME6
04-12	2300	Confront	30 chr EAM 47S4EB 063VXRPCHGG43JPETDXDSME6
04-12	2330	Confront	30 chr EAM 47S4EB 063VXRPCHGG43JPETDXDSME6
06-12	2333	Auditory	30 chr EAM 47SXC B HENP2YJ6FZT6DIE3WTP6J7HN
06-12	0100	Auditory	30 chr EAM 47SXC B HENP2YJ6FZT6DIE3WTP6J7HN
06-12	0130	Auditory	30 chr EAM 47SXC B HENP2YJ6FZT6DIE3WTP6J7HN
06-12	0200	Auditory	30 chr EAM 43SXC B HENP2YJ6FZT6DIE3WTP6J7HN (note the faulty preamble)
06-12	0230	Auditory	30 chr EAM 43SXC B HENP2YJ6FZT6DIE3WTP6J7HN (note the faulty preamble)
06-12	1603	Auditory	30 chr EAM 47GX2B UU252J7KNQHN3ADCHTIHGCYS
06-12	1630	Auditory	30 chr EAM 47GX2B UU252J7KNQHN3ADCHTIHGCYS
06-12	1700	Auditory	30 chr EAM 47GX2B UU252J7KNQHN3ADCHTIHGCYS
06-12	1729	Auditory	30 chr EAM 47GX2B UU252J7KNQHN3ADCHTIHGCYS
06-12	1733	Auditory	30 chr EAM 47HITG GRP6NXOPYCTSH6WTL2FAUI2X
06-12	1800	Auditory	30 chr EAM 47HITG GRP6NXOPYCTSH6WTL2FAUI2X
06-12	1802	Auditory	30 chr EAM 47GX2B UU252J7KNQHN3ADCHTIHGCYS
06-12	1830	Auditory	30 chr EAM 47HITG GRP6NXOPYCTSH6WTL2FAUI2X
06-12	1900	Auditory	30 chr EAM 47HITG GRP6NXOPYCTSH6WTL2FAUI2X
06-12	1930	Auditory	30 chr EAM 47HITG GRP6NXOPYCTSH6WTL2FAUI2X
06-12	2033	Auditory	30 chr EAM 477A2F UKRUQHTJ347CFSGUAQX7JTZV
06-12	2130	Auditory	30 chr EAM 477A2F UKRUQHTJ347CFSGUAQX7JTZV

06-12	2230	Auditory	30 chr EAM 477A2F UKRUQHTJ347CFSGUAQX7JTZV
06-12	2200	Auditory	30 chr EAM 477A2F UKRUQHTJ347CFSGUAQX7JTZV
07-12	0033	Van Horn	30 chr EAM 474NVO ICCYLXTJKJDXOMYF2ZVY2TW4
07-12	0100	Van Horn	30 chr EAM 474NVO ICCYLXTJKJDXOMYF2ZVY2TW4
07-12	0133	Van Horn	30 chr EAM 47LBF2 FUXP4Y44CPECBUTS66SEYV7 errors
07-12	0200	Van Horn	30 chr EAM 47LBF2 FUXP4Y44CPECBUTS66SEYV7 repeat 47LBF2 FUXP4Y44CPECBPVTS66SEYV7
07-12	0202	Van Horn	30 chr EAM 474NVO ICCYLXTJKJDXOMYF2ZVY2TW4
07-12	0229	Van Horn	30 chr EAM 47LBF2 FUXP4Y44CPECBUTS66SEYV7 again different letters
07-12	0202	Van Horn	30 chr EAM 474NVO ICCYLXTJKJDXOMYF2ZVY2TW4
07-12	0300	Van Horn	30 chr EAM 47LBF2 FUXP4Y44CPECBUTS66SEYV7
07-12	0330	Van Horn	30 chr EAM 47LBF2 FUXP4Y44CPECBUTS66SEYV7
07-12	1605	Van Horn	30 chr EAM 07XLAU ZBGYEFIT3K2M2PJGXUWNA67S
07-12	1620	Van Horn	51 chr EAM 07HOP2 TF6VZPEKARWYBRBXYBRXRGPB7A7NF27AGPBG7YAAL3O5
07-12	1638	Van Horn	30 chr EAM 07OYXE XLNIJ4H7U6UILERDEL34W7NW
07-12	1643	Van Horn	30 chr EAM 07OYXE XLNIJ4H7U6UILERDEL34W7NW
07-12	1700	Van Horn	51 chr EAM 07AIBJ QWHDTKWEED3HVJHSAXQ5JKDEG27NBHXU2KDFY2UXPSQQH
07-12	1907	Van Horn	30 chr EAM 47ZJNA DX7WI67I2TOQWXNXXLYXGOLP
07-12	1930	Van Horn	30 chr EAM 47NW5C EE5AH5IC74LJYOIBI4ON6JA3
07-12	1940	Van Horn	30 chr EAM 47V4RY K67Y64BQHNNKKALRRFJTMABH
08-12	1932	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
08-12	1943	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
08-12	1959	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
08-12	1959	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
08-12	2057	Gray Mare	30 chr EAM 47FQ45 G3Z4H22LUYWIGZNWGHF4J65Z
08-12	2100	Gray Mare	30 chr EAM 47FQ45 G3Z4H22LUYWIGZNWGHF4J65Z
08-12	2103	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
08-12	2128	Gray Mare	30 chr EAM 47XA32 C4BCABQZXWRBPRKXZUQGSYEF
08-12	2131	Gray Mare	30 chr EAM 47FQ45 G3Z4H22LUYWIGZNWGHF4J65Z
08-12	2134	Gray Mare	30 chr EAM 47FQ45 G3Z4H22LUYWIGZNWGHF4J65Z
08-12	2138	Gray Mare	30 chr EAM 47PRBE YGGPDYIDJBIEC3L2H7736Z4W
09-12	0234	Rare Find	30 chr EAM 4767LK TV54P6H3ABNE7OUKBRGZWW3M
09-12	1617	Rare Find	38 chr EAM 07FIQ2 ZUWMORKRDXCENAPWDCCXFKSY4CW6ZBFF
09-12	1653	Rare Find	30 chr EAM 47GZSK HCJZGILVBMLZKQ4VCZNT2EKO
09-12	1657	Rare Find	34 chr EAM 07A5V2 NGQCD4VTP6USBZCJ35LWC3UZN3
09-12	1736	Rare Find	30 chr EAM 47GZSK HCJZGILVBMLZKQ4VCZNT2EKO
09-12	1759	Rare Find	30 chr EAM 47GZSK HCJZGILVBMLZKQ4VCZNT2EKO
10-12	0230	Paraffin	30 chr EAM 47WJLB JWQ36EIBJ7IZJTWI5A43H7UO
10-12	1832	Paraffin	30 chr EAM 477SXT DHOSZYUHAXGZFO4PO6OQJIZ6
10-12	1846	Paraffin	30 chr EAM for Void?-55 O7YQXS CCGX7GBHJBEJXYFVGJTUODII
10-12	1900	Paraffin	30 chr EAM 477SXT DHOSZYUHAXGZFO4PO6OQJIZ6
10-12	1917	Paraffin	30 chr EAM 47OJDV A2W2UFFE4OGRBKPE3B4YUXVD
10-12	1929	Paraffin	30 chr EAM 47OJDV A2W2UFFE4OGRBKPE3B4YUXVD
10-12	1932	Paraffin	30 chr EAM 477SXT DHOSZYUHAXGZFO4PO6OQJIZ6
10-12	2000	Paraffin	30 chr EAM 47OJDV A2W2UFFE4OGRBKPE3B4YUXVD
10-12	2002	Paraffin	30 chr EAM 477SXT DHOSZYUHAXGZFO4PO6OQJIZ6
10-12	2032	Paraffin	30 chr EAM 47A4HX 4EAMPYXIRSJOVCRY77SJLWPT
10-12	2034	Paraffin	30 chr EAM 47OJDV A2W2UFFE4OGRBKPE3B4YUXVD
10-12	2037	Paraffin	30 chr EAM 477SXT DHOSZYUHAXGZFO4PO6OQJIZ6
10-12	2100	Paraffin	30 chr EAM 47A4HX 4EAMPYXIRSJOVCRY77SJLWPT
10-12	2103	Paraffin	30 chr EAM 47OJDV A2W2UFFE4OGRBKPE3B4YUXVD
10-12	2131	Paraffin	30 chr EAM 47BQOO YYMBJVY5IJWMIDGZ6VWES3DX
10-12	2134	Paraffin	30 chr EAM 47BQOO YYMBJVY5IJWMIDGZ6VWES3DX
10-12	2137	Paraffin	30 chr EAM 47A4HX 4EAMPYXIRSJOVCRY77SJLWPT
11-12	1730	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
11-12	1759	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
11-12	1802	Technical	30 chr EAM for Moho 07XYQN AIC6X3INWEPGURDW4CQOLKON
11-12	1829	Technical	30 chr EAM for Moho 07WMSK M4QGSTBPAPQFZGC4KVZZ4PGL
11-12	1832	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
11-12	2021	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
11-12	2029	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
11-12	2129	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4

11-12	2200	Technical	30 chr EAM 47N22Z DGHGFA4AKPGVKUECYOUIXCQ4
12-12	1516	Associate	30 chr EAM for Livid GQWIKG EWMDZJ6H3DKTFMUJOZIMECOI
12-12	1532	Associate	30 chr EAM for Livid GQBJD5 OY52ALMXQZYPQOCQJ2BT2GL5
12-12	1916	Associate	30 chr EAM 47TIQJ IDHR7CJLWXXBQO7TOPT5UKRS
12-12	1929	Associate	30 chr EAM 47TIQJ IDHR7CJLWXXBQO7TOPT5UKRS
12-12	2000	Associate	30 chr EAM 47TIQJ IDHR7CJLWXXBQO7TOPT5UKRS
12-12	2030	Associate	30 chr EAM 47TIQJ IDHR7CJLWXXBQO7TOPT5UKRS
12-12	2038	Associate	30 chr EAM for Livid GQQZGK 2W4RTHNQFBGUHJTIQELBVZIL
12-12	2100	Associate	30 chr EAM 47TIQJ IDHR7CJLWXXBQO7TOPT5UKRS
13-12	2137	Corn Crib	30 chr EAM 47TGU5 GU7Z6TAMCDCOGIJSMRX42SUE
13-12	2140	Corn Crib	30 chr EAM 47JOX3 DHEGGG3LFCPDTCAVLZYI5E3Z
14-12	0000	Mischief	30 chr EAM 47M3QK NQU77P6DTKH5D3SHBKNSEIJF
14-12	0127	Mischief	30 chr EAM 47M3QK NQU77P6DTKH5D3SHBKNSEIJF
14-12	0132	Mischief	30 chr EAM 47QXF4 HB4UZD5F2OCTBP5BB2Q4AXUP
14-12	1622	Mischief	30 chr EAM 47TXNF ACD2K7YFEQHVFSN7TFBQN2ZV
14-12	1631	Mischief	30 chr EAM GQC53V H4Q34JVECSJUAYCWTCYIWAMK
14-12	1634	Mischief	30 chr EAM 47TXNF ACD2K7YFEQHVFSN7TFBQN2ZF
14-12	1638	Mischief	30 chr EAM 47N4FD HW3YAY6I4G4BURBAVVNLOMGD
14-12	1640	Mischief	30 chr EAM 4Z2XGI U6T3ZEHGH4HNQML2GRIHBCYV
14-12	1924	Mischief	164 chr EAM SJTC2Z CSX5IRFKHNVCPUVFSVK4XWJWJKAMH6W6EZIEEEER63MH3H3SJOHDW2S26 RRRRMEU7SESPA4FLKDPN7LIIII53DC3R3KL3GA4BVF4OVVVVQLRGUQU4QD5HRA7HDRNNNNJ3EC 7N7NDISZDW3Z36YYYYZ2PEWXZ2O
14-12	1934	Mischief	30 chr EAM 47Y3XL EHACP46TUEVUJ6NR6AHA6W2P
15-12	0559	Stability	30 chr EAM 47XLFA TFF7CSSFYOGDPSMFRSRY4OEV
15-12	0603	Stability	30 chr EAM 47UHTQ KR6PACSNPPEFE4F44PFTK47B
15-12	0606	Stability	30 chr EAM 47XGWO YJWDSXGF57HY47ZXIROYSHCE
15-12	1522	Stability	180 chr EAM SJJUQV JYEBVQ4LGZHW73J7AJWCPOVCIHHBRUUUUCIWWWWYB2UJZVTFJH7IIIGF ZZZZPFL27RSLSU7TTTUKLCCCHZOT3FW4FWYBWWTBAAOOOONK6KISVTIV3UBBWF4RTTTTSLV VUL3YKRN4F56F54OSODOYO6K7FHFSS3BBB5Q2DIBSOM
15-12	1540	Stability	180 chr EAM SJJUQV JYEBVQ4LGZHW73J7AJWCPOVCIHHBRUUUUCIWWWWYB2UJZVTFJH7IIIGF ZZZZPFL27RSLSU7TTTUKLCCCHZOT3FW4FWYBWWTBAAOOOONK6KISVTIV3UBBWF4RTTTTSLV VUL3YKRN4F56F54OSODOYO6K7FHFSS3BBB5Q2DIBSOM
15-12	1548	Stability	30 chr EAM for Rubber Duck GQDQFG 4FOO2HVP6MCLVG3YXCZOYX2A
15-12	1757	Stability	30 chr EAM for Rubber Duck GQTPHE unreadable
15-12	1800	Stability	30 chr EAM 47NBPU IDT52ZCJGTMICKXR3OEAD5O6
15-12	1831	Stability	30 chr EAM 47NBPU IDT52ZCJGTMICKXR3OEAD5O6
15-12	1900	Stability	30 chr EAM 47NBPU IDT52ZCJGTMICKXR3OEAD5O6
15-12	1931	Stability	30 chr EAM 47NBPU IDT52ZCJGTMICKXR3OEAD5O6
15-12	2121	Stability	30 chr EAM 477O2Z MBWUSWIEMVEQB65DYB5Q4RG
15-12	2140	Stability	30 chr EAM 477O2Z MBWUSWIEMVEQB65DYB5Q4RG
15-12	2300	Stability	30 chr EAM 477O2Z MBWUSWIEMVEQB65DYB5Q4RG
16-12	1309	New Book	30 chr EAM for Manhood GQXGWS IV5YI4TRO2C2DTHE6BFTIMXS
16-12	1317	New Book	30 chr EAM for Manhood GQXFNW XDOSQTGWAKPYBZ33VPESBHKB
16-12	1327	New Book	30 chr EAM for Manhood GQCTC5 XWSX42BDXNAFJVC6LXTM7AYO
16-12	1337	New Book	30 chr EAM for Manhood GQ3XQR DNIVGENPDDXTLBBIVKIEVP2C
16-12	1533	New Book	30 chr EAM 47EDMR LRSFGHODWVI3RFTQHG5C2DLS
16-12	1537	New Book	30 chr EAM 47OE4E TBIAHHEFPFK6JOEBQUXCN7BH
16-12	1540	New Book	30 chr EAM 47IXRF TOTSXGWB352PLTLWWFIKCQE
16-12	1544	New Book	30 chr EAM for Blue-76 GQ6OIG EVCG6ZM6T6J2DF4XXLXPHS6D
16-12	1547	New Book	30 chr EAM for Blue-76 GQ6OIG EVCG6ZM6T6J2DF4XXLXPHS6D
16-12	1605	New Book	30 chr EAM 4743PD QM7XEDBLPRGZJILLYS2MWDH
16-12	0606	New Book	30 chr EAM 47AT5P 4H7LH6URKLZVARHLZSGLZ2H4
16-12	0612	New Book	30 chr EAM 47OR2Y L2NDHO3Z4PGPFLYTTQHQA17J
16-12	0615	New Book	30 chr EAM 47IXRF TOTSXGWB352PLTLWWFIKCQE
16-12	0618	New Book	30 chr EAM 47OE4E TBIAHHEFPFK6JOEBQUXCN7BH
16-12	0620	New Book	30 chr EAM 47EDMR LRSFGHODWVI3RFTQHG5C2DLS
16-12	2000	New Book	30 chr EAM 47TAWQ U2RU7YSBTH74ULSUPUBURTG4
16-12	2002	New Book	30 chr EAM 47VDRO 5Z26GIJVICX4BXRZK6OLHCJF
16-12	2006	New Book	30 chr EAM 47TAWQ U2RU7YSBTH74ULSUPUBURTG4
16-12	2008	New Book	30 chr EAM 47VDRO 5Z26GIJVICX4BXRZK6OLHCJF
16-12	2011	New Book	30 chr EAM 47BBYE XOKC2XXXWLAVVKECOIAS6NOT

16-12	2016	New Book	30 chr EAM 477GAA S7ZVR5QFMZ6QSVFIPNMSANPL
16-12	2025	New Book	29 chr EAM GQPN42 IWGGK3QLBE2GD5WV2NWOOZA
16-12	2028	New Book	30 chr EAM 47LLRA QBAZXB4QG6PYFG4CDH6N7ER
17-12	1456	Airspace	30 chr EAM ZMP5IA CRS6DLRULCEUBVPPWQGLQY7I
17-12	1554	Airspace	30 chr EAM ZM77JU RVAZXZKYYYYE4YMTYADAFI7E
17-12	1733	Airspace	30 chr EAM ZMY76J KUXGNAIOKEEWXEASRTRI6E32
20-12	1653	Decision	30 chr EAM ZMF5FY FVQX6YU7TSABX2JCRTZKQI45
20-12	1700	Decision	30 chr EAM ZMDZJP 2SACARSFZXGCT5SMBNTR452M
20-12	2030	Decision	30 chr EAM ZMIFT5 SE7OQREKKNABUQVU6ZMLZ4EO
20-12	2033	Decision	30 chr EAM for Coy-16 GQPGDP IDUYEPPFQOP6VWBGJAIRLRNP
20-12	2100	Decision	30 chr EAM ZMIFT5 SE7OQREKKNABUQVU6ZMLZ4EO
20-12	2102	Decision	30 chr EAM ZMVU4O LCIYEBJGZHJTB34EXWQB2L7A
20-12	2130	Decision	30 chr EAM ZMVU4O LCIYEBJGZHJTB34EXWQB2L7A
20-12	2132	Decision	30 chr EAM ZMIFT5 SE7OQREKKNABUQVU6ZMLZ4EO
21-12	1435	Bassboat	30 chr EAM ZMGPPP ZF7IE2G3NQWWWU7H6STUNGXB
21-12	1530	Bassboat	30 chr EAM ZMGPPP ZF7IE2G3NQWWWU7H6STUNGXB
21-12	1600	Bassboat	30 chr EAM ZMGPPP ZF7IE2G3NQWWWU7H6STUNGXB
21-12	1610	Bassboat	30 chr EAM GQHSJO Y5QJGMPWP7TAZM47QW3G5QVI
21-12	1621	Bassboat	51 chr EAM GQKKO HHNFUQ6SXGBCRSTTCRSNYFC6PEUW4VH4T4C7TE4H2QRDO
21-12	1630	Bassboat	30 chr EAM ZMGPPP ZF7IE2G3NQWWWU7H6STUNGXB
21-12	1645	Bassboat	30 chr EAM GQTXAC B75BADDFA54NMQH6YXM3TAG5
21-12	1700	Bassboat	51 chr EAM GQKKO HHNFUQ6SXGBCRSTTCRSNYFC6PEUW4VH4T4C7TE4H2QRDO
21-12	1708	Bassboat	51 chr EAM GQKXPS NEUBNOMRPPGVSZ76ZA46P44WSBJRWK4JI44I5B53VBVZI
21-12	1816	Bassboat	30 chr EAM ZMDMVH S5BJPAAYRSDEUWQG7BMCANRY
21-12	1830	Bassboat	30 chr EAM ZMDMVH S5BJPAAYRSDEUWQG7BMCANRY
21-12	1833	Bassboat	30 chr EAM ZM4U2T PB4GDARIKS7YAXEI22WXL7Q
21-12	1900	Bassboat	30 chr EAM ZM4U2T PB4GDARIKS7YAXEI22WXL7Q
21-12	1902	Bassboat	30 chr EAM ZMDMVH S5BJPAAYRSDEUWQG7BMCANRY
21-12	1930	Bassboat	30 chr EAM ZM4U2T PB4GDARIKS7YAXEI22WXL7Q
21-12	1933	Bassboat	30 chr EAM ZMDMVH S5BJPAAYRSDEUWQG7BMCANRY
21-12	2000	Bassboat	30 chr EAM ZM4U2T PB4GDARIKS7YAXEI22WXL7Q
21-12	2003	Bassboat	30 chr EAM ZMDMVH S5BJPAAYRSDEUWQG7BMCANRY
23-12	0651	Trocadero	30 chr EAM ZM7XNK FNC35L7C3ZN6K4NSNRIFSXHA
27-12	2032	Lumpsum	30 chr EAM ZMUKZH 3SSB2BVNDHWYFDLNITEI6TJP
27-12	2200	Lumpsum	30 chr EAM ZMUKZH 3SSB2BVNDHWYFDLNITEI6TJP
27-12	2230	Lumpsum	30 chr EAM ZMUKZH 3SSB2BVNDHWYFDLNITEI6TJP
28-12	0646	Standoff	30 chr EAM ZMSGRO 7PJYK7DFPP6Z6OLGITFQRZYV
28-12	0649	Standoff	30 chr EAM ZMIVKW C2QCER2SQPLXCXOJBFQDM42K
28-12	0700	Standoff	30 chr EAM ZMIVKW C2QCER2SQPLXCXOJBFQDM42K
28-12	0703	Standoff	30 chr EAM ZMIVKW C2QCER2SQPLXCXOJBFQDM42K
28-12	0706	Standoff	30 chr EAM ZMSGRO 7PJYK7DFPP6Z6OLGITFQRZYV
28-12	0710	Standoff	30 chr EAM ZM65CZ AG4XRNGFCW62X5B6EWHITGSU
28-12	1944	Standoff	30 chr EAM ZMIGGQ GPULJVU2YA5KSAETX27DBFJS
28-12	2000	Standoff	30 chr EAM ZMIGGQ GPULJVU2YA5KSAETX27DBFJS
28-12	2034	Standoff	30 chr EAM ZMIGGQ GPULJVU2YA5KSAETX27DBFJS
28-12	2100	Standoff	30 chr EAM ZMIGGQ GPULJVU2YA5KSAETX27DBFJS
28-12	2130	Standoff	30 chr EAM ZMIGGQ GPULJVU2YA5KSAETX27DBFJS
28-12	2140	Standoff	30 chr EAM ZMSP6R AVZFBE6HLANLZG3FOBQP7XIK
28-12	2200	Standoff	30 chr EAM ZMSP6R AVZFBE6HLANLZG3FOBQP7XIK
28-12	2216	Standoff	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
28-12	2232	Standoff	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
28-12	2235	Standoff	30 chr EAM ZMSP6R AVZFBE6HLANLZG3FOBQP7XIK
28-12	2259	Standoff	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
28-12	2302	Standoff	30 chr EAM ZMSP6R AVZFBE6HLANLZG3FOBQP7XIK
28-12	2330	Standoff	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
28-12	2332	Standoff	30 chr EAM ZMSP6R AVZFBE6HLANLZG3FOBQP7XIK
29-12	0000	Pingpong	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
29-12	0031	Pingpong	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
29-12	0101	Pingpong	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
29-12	0130	Pingpong	30 chr EAM ZMSJUO RHT4V23W4AGKE5THZIY7SBJZ
29-12	1916	Pingpong	30 chr EAM ZMQ34M HIGJTLYMD4L7I3URV22PASR4

29-12	1932	Pingpong	30 chr EAM ZMQ34M HIGJTLYMD4L7I3URV22PASR4
29-12	2000	Pingpong	30 chr EAM ZMQ34M HIGJTLYMD4L7I3URV22PASR4
29-12	2030	Pingpong	30 chr EAM ZMQ34M HIGJTLYMD4L7I3URV22PASR4
29-12	2100	Pingpong	30 chr EAM ZMQ34M HIGJTLYMD4L7I3URV22PASR4
30-12	1446	Fruitful	30 chr EAM ZM5DUU UC6H4XMBEZFECK5XUQGZYL4I
30-12	1500	Fruitful	30 chr EAM ZM5DUU UC6H4XMBEZFECK5XUQGZYL4I
30-12	1530	Fruitful	30 chr EAM ZM5DUU UC6H4XMBEZFECK5XUQGZYL4I
30-12	1600	Fruitful	30 chr EAM ZM5DUU UC6H4XMBEZFECK5XUQGZYL4I
30-12	1632	Fruitful	30 chr EAM ZM5DUU UC6H4XMBEZFECK5XUQGZYL4I
30-12	1914	Fruitful	30 chr EAM ZMFOLY QIMLOM2PGJF2F4HKMNQ2EYFH
30-12	1929	Fruitful	30 chr EAM ZMFOLY QIMLOM2PGJF2F4HKMNQ2EYFH
30-12	2000	Fruitful	30 chr EAM ZMFOLY QIMLOM2PGJF2F4HKMNQ2EYFH
30-12	2030	Fruitful	30 chr EAM ZMFOLY QIMLOM2PGJF2F4HKMNQ2EYFH
30-12	2100	Fruitful	30 chr EAM ZMFOLY QIMLOM2PGJF2F4HKMNQ2EYFH

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB

Monolith stations

Channel markers

3243 kHz, 24-12, 1850 UTC Goose
3756 kHz, 24-12, 1851 UTC Pip (S30)
3828 kHz, 24-12, 1852 UTC Squeaky Wheel (S32)
4625 kHz, 24-12, 1851 UTC Buzzer (S28)
4770 kHz, 24-12, 1848 UTC Alarm
3510 kHz, 25-12, 0600 UTC Air Horn
4182 kHz, 25-12, 0601 UTC Dash
5448 kHz, 25-12, 0559 UTC Pip (S30)
5473 kHz, 25-12, 0705 UTC Squeaky Wheel (S32)

Russian military voice transmissions

RMv – Russian Military

Znamya sends on 5045 kHz on Monday-Thursday and irregular on Friday. Female operator.

01-12, 1412 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2645. 16 chasov 15 minut konec svyazi
02-12, 1411 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4124. 16 chasov 14 minut konec svyazi
03-12, 06-12, 07-12 No transmission
08-12, 1414 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8693. 16 chasov 15 minut konec svyazi
09-12, 1414 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi
10-12, 1411 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3159. 16 chasov 14 minut konec svyazi
13-12, 1413 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi
14-12, 1413 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9847. 16 chasov 14 minut konec svyazi
15-12, 1414 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2879. 16 chasov 15 minut konec svyazi
16-12, 1414 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9673. 16 chasov 15 minut konec svyazi
17-12, 1411 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8752. 16 chasov 13 minut konec svyazi
20-12, 1413 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 6593. 16 chasov 15 minut konec svyazi
21-12, 1413 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1729. 16 chasov 14 minut konec svyazi
22-12, 1413 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4832. 16 chasov 15 minut konec svyazi
23-12, 1412 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi
Male operator. Live
24-12, 1411 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 7582. 16 chasov 13 minut konec svyazi
27-12, 1412 UTC Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9362. 16 chasov 13 minut konec svyazi
28-12, 29-12, 30-12, 31-12 No transmission

Russian military morse transmissions

Russian Navy T600 modem

9224 kHz, 22-12, 1515 UTC

Sync 1eb41eb2952

Session key: 26 31 4c 43 52 64 0b 46 2a 51 25 13 32 0d 51 0b 1a 62 43 38 0d 19 34 43 51 15
15 2a 43 4c 2c 32 64 43 26 1a 1a 0d 70 51 1c 46
43 2c 4c 07 43 0b 68 31 32 38 0b 4a 25 32 1a 52
1a 32 <EOM><EOM><EOM>

9224 kHz, 22-12, 1515 UTC

Sync 1eb41eb2952

Session key: 07 15 4c 13 4a 32 1a 0d 43 25 1c 54 46 2c 26 32 0b 61 13 62 34 43 2c 31 32
2a 16 0e 64 38 26 2a 23 68 15 64 4a 61 0e 25 34
4c 32 07 46 23 51 0d 31 4c 2c 0d 0b 15 0e 62 15
64 68 0b 4c 43 68 68 52 4a 23 0d 26 1c 16 70 58
43 26 52 68 62 58 0d 54 32 51 4a 54 62 61 19 62
26 16 0d 16 2c 23 31 2a 16 0b 0e 19 23 2c 1c 1c
61 2a 13 1c 4c 34 46 2a 19 51 13 31 54 19 51 2a
07 2c 2a 19 15 58 2c 13 26 19 0b 26 58 19 58 46
61 34 4a 19 0b 70 62 34 52 2c <EOM><EOM><EOM>

9224 kHz, 22-12, 1516 UTC

Sync 1eb41eb2952

Session key: 51 13 0d 0d 43 68 58 13 13 43 1c 1a 31 38 16 31 34 1a 0d 1c 32 1a 0b 1a 52 07
26 52 1a 16 62 68 23 4c 46 0d 61 32 4a 54 43 0b
13 0e 58 68 15 34 0d 19 13 4a 4a 68 0b 25 16 43
15 2c 23 0e 13 15 62 62 4c 70 07 64 51 32 52 54
64 61 2c 52 54 1c 32 62 64 26 46 13 68 0b 07 64
58 64 32 31 1a 13 51 15 25 64 32 1c 0b 1c 51 58
07 70 2c 23 51 43 51 4c 07 13 07 23 34 4a 2a 4a
15 68 1c 1c 2a 13 23 46 54 68 34 16 51 25 62 07
1c 0e 0e 19 64 54 25 51 19 62 52 2a 70 15 54 31
62 38 1c 62 31 32 62 0b 2a 23 4a 0b 25 1c 34 52
2c 61 64 23 32 61 1a 1c 15 19 2a 1a 51 64 0d 38
61 0e 07 61 51 32 19 07 4a 54 16 4c 25 0e 54 26
07 64 52 31 0e 2a 26 4a 23 2c 2a 13 16 26 0e 38
52 1c 38 16 07 31 1a 19 52 68 46 43 1c 23 13 15
4c 32 51 2c 64 16 0b 51 61 0b 43 46 58 2a 26 52
43 52 64 2a 70 23 4c 2a 16 07 52 26 4c 43 68 0e
43 23 15 51 4a 38 70 1c 0d 1a 2a 38 52 68 38 68
0e 54 23 68 46 32 51 4c 31 54 62 51 2c 38 15 32
38 34 68 4c 54 51 68 58 26 51 07 15 68 0e 25 16
68 4a 25 0b 61 51 26 38 19 2a 19 32 43 34 62 62
52 13 54 2a 46 0e 52 31 70 54 16 61 43 1a 19 32
4c 0b 70 34 43 32 19 26 46 34 52 07 58 38 54 0e
1c 13 16 0e 70 1a 0e 16 07 16 70 0e 38 13 1a 4c
32 68 34 46 1a 13 70 61 19 2c 43 46 43 16 61 4c
54 34 54 0e 19 64 26 54 52 68 2a 1a 68 51 1c 2a
0e 1c 61 26 38 54 0b 34 34 0b 38 61 51 58 1c 0b
58 4c 34 52 0d 68 61 0d 61 1c 62 4a 0b 26 0e 2c
52 34 68 68 68 54 2c 15 52 62 34 4a 46 26 13 13
25 52 4c 1a 32 68 0b 54 31 2a 07 34 31 70 0e 1a
38 61 1c 4c 32 61 58 34 70 2a 1a 0d 64 38 31 4c
19 26 0b 19 43 43 15 51 31 58 0d 2a 70 2c 1a 26
0b 51 31 0e 13 62 26 4a 43 2c 26 2c 0e 07 4c 0b
1a 58 07 61 16 51 62 62 19 54 0b 0b 15 51 4a 13
2c 61 13 46 0b 34 25 23 34 2a 68 58 62 38 26 52
15 23 4c 0b 16 13 70 32 13 70 62 64 2a 1c 54 54
2c 2c 19 19 31 16 19 2c 31 26 4c 4c 19 4c 13 23
31 4c 26 25 34 16 2a 23 38 15 68 1a 43 38 31 2a
0b 52 2c 0d 38 52 15 0e 52 1c 51 34 31 61 4c 62
15 38 2c 16 46 23 4c 54 16 68 61 16 16 43 70 43
43 32 68 15 70 26 68 1a 62 58 31 54 43 0e 52 19
25 2c 1a 1c 62 61 68 23 0d 54 07 32 0b 43 25 68
61 19 54 61 34 43 38 46 51 61 46 31 70 2c 07 13
43 1c 43 26 32 64 46 62 0b 31 31 19 31 58 61 0e
43 38 0d 16 51 54 16 26 2a 61 4a 70 2a 31 15 23
64 51 31 1c 43 58 15 26 0d 68 1c 52 0e 31 62 25

38 07 0b 43 2a 26 58 4c 07 25 25 23 34 58 34 64
38 68 1c 58 31 64 38 58 1c 31 51 0e 61 61 2c 52
15 26 0e 26 38 16 0e 32 23 0d 31 4a 64 31 16 43
43 13 61 46 07 2c 43 23 2a 52 1c 1a 2a 13 19 2c
16 1c 54 31 2c 34 62 34 07 43 15 1a 31 52 19 43
19 52 62 51 54 25 07 64 32 54 1a 46 15 23 26 61
51 1c 07 07 2a 4a 52 15 0e 26 19 23 0b 4a 15 32
52 2c 25 64 1c 58 1c 4c 25 32 26 0b 58 62 68 58
52 70 19 25 58 13 2c 19 31 1c 0b 0e 68 07 23 31
4c 19 38 58 34 34 0e 15 2c 31 15 31 0d 0d 52 0e
0e 23 52 0e 13 25 58 38 58 64 58 68 70 54 26 19
13 46 62 34 1c 23 34 23 26 0d 1c 54 2a 19 0d 34
2c 31 32 26 46 1a 13 46 54 38 26 13 31 34 58 34
31 26 61 51 31 07 23 32 58 31 68 54 26 1a 26 34
58 1a 62 4a 0e 58 64 4a 0d 52 15 26 16 58 07 70
2a 07 52 0d 26 61 38 64 61 52 43 51 2a 2a 1c 64
52 13 64 4a 25 64 2c 15 25 58 62 32 15 58 25 23
46 07 0e 25 68 07 70 52 54 0d 07 62 61 0d 52 15
16 31 70 0b 15 1a 15 43 4c 62 31 15 0e 70 15 23
2c 2c 0b 62 25 58 2a 13 19 70 2c 16 54 2a 0b 1a
31 19 26 31 25 07 52 2c 1c 34 31 62 43 25 46 4c
0d 46 34 62 16 61 2c 15 62 16 0d 43 25 <EOM><EOM><EOM>

9224 kHz, 22-12, 1518 UTC

Sync 1eb41eb2952

Session key: 0b 2c 54 0b 58 0d 61 4a 19 25 46 34 0b 54 68 1c 23 2c 31 4a 1a 0e 16 51 1a
0d 46 61 23 23 54 61 25 26 1c 4c 32 52 1c 13 16
58 43 43 1c 4a 51 68 43 46 19 31 0b 1c 31 34 70
15 0e 4c 62 19 32 19 [3d] 46 62 58 07 32 1a 46 2c
25 1c 16 4a 16 34 0d 4a 52 0d 13 4a 68 68 2a 15
1a 58 54 31 43 0b 34 2a 0b 25 0b 13 0e 16 54 1a
70 07 51 0e 13 31 68 64 2c 2a 25 23 58 68 34 0e
68 1a 58 46 70 07 61 31 46 2a 38 58 70 19 25 34
0e 15 25 64 32 13 51 26 15 0d 07 0b 13 23 1c 23
19 61 2a 32 51 2c 23 19 0e 15 52 07 25 1a 64 68
70 13 34 07 <EOM><EOM><EOM>

LOGS SECTION

Code	Freq.	Date	UTC	Day	Details	Mode	Contributor
---	8795	1-12	1230	Wed	Message sent 6x	MFSK	(AB)
---	9081	1-12	1333	Wed	Message sent 6x	MFSK	(AB)
---	8795	2-12	1230	Thu	Message sent 6x	MFSK	(AB)
---	9081	2-12	1330	Thu	Message sent 8x	MFSK	(AB)
---	8795	3-12	1230	Fri	Message sent 8x	MFSK	(AB)
---	8795	4-12	1230	Sat	Message. Several repeats	MFSK	(AB-RUS)
---	3243	9-12	1649	Thu	Goose, Russian military channel marker	USB	(ChPa)
---	3510	9-12	1651	Thu	Air Horn, Russian military channel marker	USB	(ChPa)
---	4770	9-12	1656	Thu	Alarm, Russian military channel marker	USB	(ChPa)
---	7100	14-12	0735	Tue	Russian-Ukrainian radio war. Several Ukrainian anti Russia loop messages	LSB	(AB)
---	7055	14-12	0741	Tue	Russian-Ukrainian radio war. Loop transmission	LSB	(AB)
---	3243	15-12	0353	Wed	Goose, Russian military channel marker	USB	(ChPa)
---	4770	15-12	0358	Wed	Alarm, Russian military channel marker	USB	(ChPa)
---	7050	22-12	1041	Wed	Russian-Ukrainian radio war. Anti Russia songs (1 2 3 Russian Swine in German), messages	LSB	(AB)
---	7102	22-12	1043	Wed	Russian-Ukrainian radio war. Distorted sounds and voices, air raid sirens, jammer	LSB	(AB)
---	7100	22-12	1044	Wed	Russian-Ukrainian radio war. Distorted sounds and voices, air raid sirens, jammer	LSB	(AB)
---	7055	22-12	1049	Wed	Russian-Ukrainian radio war. Distorted music	LSB	(AB)
---	7050	22-12	1338	Wed	Russian-Ukrainian radio war. Loop transmission	LSB	(AB)
---	3243	23-12	1717	Thu	Goose, Russian military channel marker	USB	(ChPa)
---	4770	23-12	1722	Thu	Alarm, Russian military channel marker	USB	(ChPa)
---	3243	24-12	0613	Fri	Goose, Russian military channel marker	USB	(ChPa)
---	4770	24-12	0615	Fri	Alarm, Russian military channel marker	USB	(ChPa)
---	7055	24-12	0650	Fri	Russian-Ukrainian radio war. Anti Russia messages. Loop transmission	LSB	(AB)
---	4182	24-12	1658	Fri	Dash, Russian military channel marker	USB	(ChPa)
---	4770	24-12	1848	Fri	Alarm, Russian military channel marker	USB	(AB)
---	3243	24-12	1850	Fri	Goose, Russian military channel marker	USB	(AB)
---	3510	25-12	0600	Sat	Air Horn, Russian military channel marker	USB	(AB)
---	3510	25-12	0600	Sat	Air Horn, Russian military channel marker	USB	(AB)
---	4182	25-12	0601	Sat	Dash, Russian military channel marker	USB	(AB)
---	4182	25-12	0601	Sat	Dash, Russian military channel marker	USB	(AB)
---	7050	25-12	1312	Sat	Russian-Ukrainian radio war. Anti Russia songs (1 2 3 Russian Swine in German)	LSB	(AB)
---	7055	25-12	1312	Sat	Russian-Ukrainian radio war. Offending anti Russia and anti Putin messages	LSB	(AB)
---	7050	26-12	0858	Sun	Russian-Ukrainian Radio war. Offending anti Russia slgans. Loop transmission	LSB	(AB)
---	7055	26-12	0858	Sun	Russian-Ukrainian Radio war. Offending anti Russia slgans. Loop transmission	LSB	(AB)
---	7055	30-12	0739	Thu	Russian-Ukrainian radio war. Insulting anti Russia propaganda.	LSB	(AB)
---	7055	31-12	1436	Fri	Russian-Ukrainian radio war. Insulting anti Russia messages. Loop transmission.	LSB	(AB)
DPRK	12200	1-12	1229	Wed	North Korean diplo	DPRK-ARQ 600	(AB)
DPRK	11045	2-12	0838	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	11050	2-12	0838	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13115	3-12	0746	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11047	3-12	0833	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12220	8-12	1222	Wed	North Korean diplo.	DPRK-ARQ 600 LSB	(AB)
DPRK	12200	16-12	0814	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11047	16-12	0833	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11045	17-12	0830	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11047	17-12	0830	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13250	17-12	0840	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13255	17-12	0840	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13355	17-12	0843	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12100	17-12	1300	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14100	20-12	1330	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13650	22-12	0720	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13655	22-12	0720	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	22-12	0849	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11045	24-12	1304	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15200	24-12	1306	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15555	24-12	1307	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12200	28-12	1215	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	28-12	1215	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11045	31-12	0830	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11047	31-12	0830	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	14654	2-12	0300	Thu	361 579 46 97534 22849 82672 ... 71265 61256 62427 579 46 00000	USB	(PY)
E06	12177	2-12	0400	Thu	361 579 46 97534 22849 82672 ... 71265 61256 62427 579 46 00000	USB	(PY)
E06	14575	2-12	0600	Thu	923 164 50 18560 97835 28211 ... 33278 93024 56443 164 50 00000	USB	(AB-RUS/HFD-RUS)
E06	17420	2-12	0700	Thu	923 164 50 18560 97835 28211 ... 33278 93024 56443 164 50 00000	USB	(AB-RUS/HFD)
E06	14654	3-12	0300	Fri	361 579 46 97534 22849 82672 ... 71265 61256 62427 579 46 00000	USB	(PY)
E06	12177	3-12	0400	Fri	361 579 46 97534 22849 82672 ... 71265 61256 62427 579 46 00000	USB	(PY)
E06	14575	3-12	0600	Fri	923 164 50 18560 97835 28211 ... 33278 93024 56443 164 50 00000	USB	(AB-RUS)
E06	17420	3-12	0700	Fri	923 164 50 18560 97835 28211 ... 33278 93024 56443 164 50 00000	USB	(AB-RUS)
E06	9382	6-12	0210	Mon	537 861 34 31938 45517 73315 ... 70006 94606 76265 861 34 00000	USB	(PY)
E06	13426	6-12	0310	Mon	537 861 34 31938 45517 73315 ... 70006 94606 76265 861 34 00000	USB	(PY)
E06	9382	7-12	0210	Tue	537 861 34 31938 45517 73315 ... 70006 94606 76265 861 34 00000	USB	(PY)
E06	13426	7-12	0310	Tue	537 861 34 31938 45517 73315 ... 70006 94606 76265 861 34 00000	USB	(PY)
E06	14654	9-12	0300	Thu	361 208 47 96704 65510 31760 ... 20135 01744 66655 208 47 00000	USB	(PY)
E06	12177	9-12	0400	Thu	361 208 47 96704 65510 31760 ... 20135 01744 66655 208 47 00000	USB	(PY)
E06	14654	10-12	0300	Fri	361 208 47 96704 65510 31760 ... 20135 01744 66655 208 47 00000	USB	(PY)
E06	12177	10-12	0400	Fri	361 208 47 96704 65510 31760 ... 20135 01744 66655 208 47 00000	USB	(PY)
E06	9382	13-12	0210	Mon	537 920 35 32492 13630 48306 ... 05569 17330 70113 920 35 00000	USB	(PY)
E06	13426	13-12	0310	Mon	537 920 35 32492 13630 48306 ... 05569 17330 70113 920 35 00000	USB	(PY)

E06	9382	14-12	0210	Tue	537 920 35 32492 13630 48306 ... 05569 17330 70113 920 35 00000	USB	(PY)
E06	13426	14-12	0310	Tue	537 920 35 32492 13630 48306 ... 05569 17330 70113 920 35 00000	USB	(PY)
E06	14654	16-12	0300	Thu	361 975 48 19102 12515 14561 ... 06500 90362 00708 975 48 00000	USB	(PY)
E06	14575	16-12	0600	Thu	923 641 50 67791 85078 79330 ... 22365 68880 80051 641 50 00000	USB	(AB-RUS)
E06	17420	16-12	0700	Thu	923 641 50 67791 85078 79330 ... 22365 68880 80051 641 50 00000	USB	(AB-RUS)
E06	14654	17-12	0300	Fri	361 975 48 19102 12515 14561 ... 06500 90362 00708 975 48 00000	USB	(PY/HFD-RUS)
E06	12177	17-12	0400	Fri	361 975 48 19102 12515 14561 ... 06500 90362 00708 975 48 00000	USB	(PY/HFD-RUS)
E06	12177	17-12	0400	Fri	361 975 48 19102 12515 14561 ... 06500 90362 00708 975 48 00000	USB	(PY)
E06	14575	17-12	0600	Fri	923 641 50 67791 85078 79330 ... 22365 68880 80051 641 50 00000	USB	(AB-RUS)
E06	17420	17-12	0700	Fri	923 641 50 67791 85078 79330 ... 22365 68880 80051 641 50 00000	USB	(AB-RUS)
E06	10755	17-12	1201	Fri	975 (R) 038 26 49576 63374 79720 ... 96975 51106 40963 038 26 975 (R) 824 30 33668 74822 95181 ... 61250 38613 64107 824 30 00000	USB	(AB)
E06	9382	20-12	0210	Mon	537 148 36 81058 54481 20571 ... 08650 20245 10615 148 36 00000	USB	(PY/HFD-RUS)
E06	13426	20-12	0310	Mon	537 148 36 81058 54481 20571 ... 08650 20245 10615 148 36 00000	USB	(PY/HFD-RUS)
E06	9382	21-12	0210	Tue	537 148 36 81058 54481 20571 ... 08650 20245 10615 148 36 00000	USB	(PY)
E06	13426	21-12	0310	Tue	537 148 36 81058 54481 20571 ... 08650 20245 10615 148 36 00000	USB	(PY)
E06	14654	23-12	0300	Thu	361 280 49 93738 95095 32519 ... 34447 24216 26384 280 49 00000	USB	(PY)
E06	12177	23-12	0400	Thu	361 280 49 93738 95095 32519 ... 34447 24216 26384 280 49 00000	USB	(PY)
E06	14654	24-12	0300	Fri	361 280 49 93738 95095 32519 ... 34447 24216 26384 280 49 00000	USB	(PY)
E06	12177	24-12	0400	Fri	361 280 49 93738 95095 32519 ... 34447 24216 26384 280 49 00000	USB	(PY)
E06	9382	27-12	0210	Mon	537 629 37 74384 93167 43277 ... 81880 64860 06357 629 37 00000	USB	(PY)
E06	13426	27-12	0310	Mon	537 629 37 74384 93167 43277 ... 81880 64860 06357 629 37 00000	USB	(PY)
E06	9382	28-12	0210	Tue	537 629 37 74384 93167 43277 ... 81880 64860 06357 629 37 00000	USB	(PY)
E06	13426	28-12	0310	Tue	537 629 37 74384 93167 43277 ... 81880 64860 06357 629 37 00000	USB	(PY)
E06b	11073	13-12	1520	Mon	352 46897 (R5) 867 40 99164 21567 02776 ... 62316 04634 18749 867 40 00000	USB	(AB)
E07	6771	1-12	1800	Wed	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB-RUS/HFD)
E07	5871	1-12	1820	Wed	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB/HFD)
E07	4571	1-12	1840	Wed	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB/HFD)
E07	10226	2-12	1410	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ/HFD)
E07	9226	2-12	1430	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ/HFD)
E07	8126	2-12	1450	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ/HFD)
E07	14364	3-12	0700	Fri	399 399 399 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB/HFD)
E07	14964	3-12	0720	Fri	399 399 399 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB/HFD)
E07	15964	3-12	0740	Fri	399 399 399 1 4351 175 4351 175 77426 88553 95957 ... 09554 26658 34705 000 000	USB	(AB/HFD)
E07	9143	4-12	1400	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(MPJ/HFD)
E07	10226	4-12	1410	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(MPJ)
E07	9226	4-12	1420	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(MPJ)
E07	8143	4-12	1434	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(MPJ/HFD)
E07	8126	4-12	1440	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(MPJ)
E07	7643	4-12	1510	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(MPJ/HFD)
E07	9326	5-12	0700	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/HFD)
E07	10426	5-12	0735	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/HFD)

E07	11526	5-12	0810	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/HFD)
E07	6771	5-12	1800	Sun	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB-RUS)
E07	5871	5-12	1820	Sun	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB)
E07	4571	5-12	1840	Sun	785 785 785 1 6485 137 6485 137 80634 90980 05543 ... 41349 72717 74770 000 000	USB	(AB)
E07	14364	7-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	7-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	8-12	1800	Wed	785 785 785 000	USB	(AB/MPJ)
E07	5871	8-12	1820	Wed	785 785 785 000	USB	(AB/MPJ)
E07	10226	9-12	1410	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/RL-HOL)
E07	9226	9-12	1430	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB)
E07	8126	9-12	1450	Thu	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB)
E07	14364	10-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	10-12	0720	Fri	399 399 399 000	USB	(AB)
E07	9143	11-12	1400	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	10226	11-12	1410	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ)
E07	9226	11-12	1430	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ)
E07	8143	11-12	1435	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	8126	11-12	1450	Sat	674 674 674 1 6039 75 6039 75 21580 17465 94319 ... 83757 86358 24556 000 000	USB	(AB/MPJ)
E07	7643	11-12	1510	Sat	116 116 116 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB/MPJ)
E07	9326	12-12	0700	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)
E07	10426	12-12	0735	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)
E07	11526	12-12	0810	Sun	345 345 345 1 968 277 968 277 87530 89946 40605 ... 47957 58889 82547 000 000	USB	(AB)
E07	6771	12-12	1800	Sun	785 785 785 000	USB	(AB)
E07	5871	12-12	1820	Sun	785 785 785 000	USB	(AB)
E07	14364	14-12	0700	Tue	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	14964	14-12	0720	Tue	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	15964	14-12	0740	Tue	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	6771	15-12	1800	Wed	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB/MPJ)
E07	5871	15-12	1820	Wed	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB/MPJ)
E07	4571	15-12	1840	Wed	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB/MPJ)
E07	10226	16-12	1410	Thu	674 674 674 000	USB	(AB)
E07	9226	16-12	1430	Thu	674 674 674 000	USB	(AB)
E07	14364	17-12	0700	Fri	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	14964	17-12	0720	Fri	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	15964	17-12	0740	Fri	399 399 399 1 675 39 674 39 03202 39478 48256 ... 68406 66716 86609 000 000	USB	(AB)
E07	9143	18-12	1400	Sat	116 116 116 000	USB	(AB/MPJ)
E07	10226	18-12	1410	Sat	674 674 674 000	USB	(AB/MPJ)
E07	9226	18-12	1430	Sat	674 674 674 000	USB	(AB/MPJ)
E07	8143	18-12	1435	Sat	116 116 116 000	USB	(AB/MPJ)
E07	9326	19-12	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	19-12	0735	Sun	345 345 345 000	USB	(AB)
E07	6771	19-12	1800	Sun	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB)

E07	5871	19-12	1820	Sun	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB)
E07	4571	19-12	1840	Sun	785 785 785 1 711 88 711 88 39737 01912 40096 ... 30750 09131 95260 000 000	USB	(AB)
E07	14364	21-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	21-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	22-12	1800	Wed	785 785 785 000	USB	(AB)
E07	5871	22-12	1820	Wed	785 785 785 000	USB	(AB)
E07	10226	23-12	1410	Thu	674 674 674 000	USB	(AB/MPJ)
E07	9226	23-12	1430	Thu	674 674 674 000	USB	(AB/GHn/MPJ)
E07	14364	24-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	24-12	0720	Fri	399 399 399 000	USB	(AB)
E07	9143	25-12	1400	Sat	116 116 116 000	USB	(AB)
E07	10226	25-12	1410	Sat	674 674 674 000	USB	(AB)
E07	9226	25-12	1430	Sat	674 674 674 000	USB	(AB)
E07	8143	25-12	1435	Sat	116 116 116 000	USB	(AB)
E07	9326	26-12	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	26-12	0735	Sun	345 345 345 000	USB	(AB)
E07	6771	26-12	1800	Sun	785 785 785 000	USB	(AB)
E07	5871	26-12	1820	Sun	785 785 785 000	USB	(AB)
E07	14364	28-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	28-12	0720	Tue	399 399 399 000	USB	(AB)
E07	6771	29-12	1800	Wed	785 785 785 000	USB	(AB)
E07	5871	29-12	1820	Wed	785 785 785 000	USB	(AB)
E07	10226	30-12	1410	Thu	674 674 674 000	USB	(AB)
E07	9226	30-12	1430	Thu	674 674 674 000	USB	(AB)
E07	14364	31-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	31-12	0720	Fri	399 399 399 000	USB	(AB)
E07a	5877	1-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	1-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	2-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	2-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	3-12	1610	Fri	830 830 830 000	USB	(AB/MPJ/HFD)
E07a	5387	3-12	1615	Fri	830 830 830 000	USB	(AB/MPJ/HFD)
E07a	11121	4-12	0900	Sat	124 124 124 000	USB	(AB/HFD)
E07a	12221	4-12	0920	Sat	124 124 124 000	USB	(AB)
E07a	5877	8-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	8-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	9-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	9-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	10-12	1610	Fri	830 830 830 000	USB	(AB)
E07a	5387	10-12	1615	Fri	830 830 830 000	USB	(AB)
E07a	11121	11-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	11-12	0920	Sat	124 124 124 000	USB	(AB)

E07a	5877	15-12	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	15-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	16-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	16-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	17-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	17-12	1615	Fri	830 830 830 000	USB	(AB/MPJ/RL-HOL)
E07a	11121	18-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	18-12	0920	Sat	124 124 124 000	USB	(AB)
E07a	5877	22-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	22-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	23-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	23-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	24-12	1610	Fri	830 830 830 000	USB	(AB/GHn)
E07a	5387	24-12	1615	Fri	830 830 830 000	USB	(AB)
E07a	11121	25-12	0900	Sat	124 124 124 000	USB	(AB)
E07a	12221	25-12	0920	Sat	124 124 124 000	USB	(AB)
E07a	5877	29-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	29-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	30-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	30-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	31-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	31-12	1615	Fri	830 830 830 000	USB	(AB/MPJ)
E11	16005	1-12	0640	Wed	944/00	USB	(AB)
E11	11104	1-12	0715	Wed	752/00	USB	(AB)
E11	17378	1-12	0745	Wed	348/00	USB	(AB)
E11	14611	1-12	0820	Wed	135/00	USB	(AB)
E11	12067	1-12	0845	Wed	719/00	USB	(AB)
E11	11092	1-12	0900	Wed	533/00	USB	(AB)
E11	7984	1-12	1045	Wed	690/00	USB	(AB)
E11	5082	1-12	1715	Wed	976/00	USB	(AB)
E11	7840	2-12	0645	Thu	510/00	USB	(AB)
E11	13908	2-12	0745	Thu	221/00	USB	(AB)
E11	5149	2-12	0820	Thu	434/00	USB	(AB)
E11	12089	2-12	0845	Thu	157/00	USB	(AB)
E11	4909	2-12	1300	Thu	314/00	USB	(AB)
E11	5409	2-12	1530	Thu	260/00	USB	(AB/MPJ)
E11	5779	2-12	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	2-12	1900	Thu	649/00	USB	(AB)
E11	7850	3-12	0600	Fri	359/00	USB	(AB)
E11	6804	3-12	0700	Fri	570/00	USB	(AB)
E11	9130	3-12	0715	Fri	631/00	USB	(AB)

E11	17378	3-12	0745	Fri	340/00	USB	(AB)
E11	5149	3-12	0820	Fri	435/00	USB	(AB)
E11	14940	3-12	0830	Fri	180/00	USB	(AB)
E11	9079	3-12	1000	Fri	300/00	USB	(AB)
E11	5082	3-12	1715	Fri	976/00	USB	(AB/MPJ)
E11	10487	3-12	1910	Fri	612/00	USB	(AB-POL/MPJ-POL)
E11	5371	4-12	0730	Sat	495/00	USB	(AB)
E11	13363	4-12	1430	Sat	915/00	USB	(AB)
E11	4909	4-12	1530	Sat	364/00	USB	(MPJ)
E11	7850	5-12	0600	Sun	352/00	USB	(AB)
E11	5371	5-12	0730	Sun	491/00	USB	(AB)
E11	4909	5-12	1530	Sun	367/00	USB	(AB)
E11	5432	5-12	1605	Sun	236/00	USB	(AB)
E11	12924	5-12	1745	Sun	247/00	USB	(AB)
E11	10487	5-12	1910	Sun	617/00	USB	(AB)
E11	4909	6-12	0450	Mon	414/00	USB	(AB)
E11	16005	6-12	0640	Mon	940/00	USB	(AB-POL)
E11	11104	6-12	0715	Mon	750/00	USB	(AB)
E11	10213	6-12	0745	Mon	260/00	USB	(AB)
E11	12067	6-12	0845	Mon	719/00	USB	(AB)
E11	11092	6-12	0900	Mon	535/00	USB	(AB)
E11	7984	6-12	1045	Mon	690/00	USB	(AB/RL-HOL)
E11	9130	7-12	0715	Tue	637/00	USB	(AB)
E11	13908	7-12	0745	Tue	225/00	USB	(AB)
E11	14611	7-12	0820	Tue	138/00	USB	(AB)
E11	12089	7-12	0845	Tue	159/00	USB	(AB)
E11	9079	7-12	1000	Tue	308/00	USB	(AB/PY)
E11	6433	7-12	1205	Tue	462/00	USB	(AB/RL-HOL)
E11	13363	7-12	1430	Tue	917/00	USB	(AB/MPJ/HFD)
E11	16005	8-12	0640	Wed	941/00	USB	(AB)
E11	11104	8-12	0715	Wed	753/00	USB	(AB-POL)
E11	17378	8-12	0745	Wed	340/00	USB	(AB-POL)
E11	14611	8-12	0820	Wed	138/00	USB	(AB)
E11	12067	8-12	0845	Wed	719/00	USB	(AB)
E11	11092	8-12	0900	Wed	538/00	USB	(AB)
E11	7469	8-12	0930	Wed	273/00	USB	(AB)
E11	7984	8-12	1045	Wed	693/00	USB	(AB)
E11	6433	8-12	1205	Wed	460/00	USB	(MPJ/RL-HOL)
E11	4505	8-12	1910	Wed	392/00	USB	(AB/MPJ)
E11	13908	9-12	0745	Thu	225/00	USB	(AB)
E11	5149	9-12	0820	Thu	430/00	USB	(AB)

E11	12089	9-12	0845	Thu	152/00	USB	(AB)
E11	7469	9-12	0930	Thu	279/00	USB	(AB)
E11	5082	9-12	1330	Thu	521/00	USB	(AB/MPJ)
E11	5409	9-12	1530	Thu	261/00	USB	(AB/MPJ)
E11	5779	9-12	1730	Thu	412/00	USB	(AB/MPJ)
E11	7850	10-12	0600	Fri	351/00	USB	(AB)
E11	9130	10-12	0715	Fri	635/00	USB	(AB)
E11	17378	10-12	0745	Fri	340/00	USB	(AB)
E11	5149	10-12	0820	Fri	434/00	USB	(AB)
E11	9079	10-12	1000	Fri	309/00	USB	(AB)
E11	6849	10-12	1815	Fri	922/00	USB	(AB)
E11	10487	10-12	1910	Fri	613/00	USB	(AB)
E11	5371	11-12	0730	Sat	490/00	USB	(AB)
E11	13363	11-12	1430	Sat	914/00	USB	(AB)
E11	4909	11-12	1530	Sat	360/00	USB	(AB/MPJ)
E11	4505	11-12	1910	Sat	395/00	USB	(AB)
E11	7850	12-12	0600	Sun	353/00	USB	(AB)
E11	5371	12-12	0730	Sun	492/00	USB	(AB)
E11	5082	12-12	1330	Sun	520/00	USB	(AB/MPJ)
E11	4909	12-12	1530	Sun	360/00	USB	(AB/MPJ)
E11	12924	12-12	1745	Sun	242/00	USB	(MPJ-POL)
E11	6849	12-12	1815	Sun	921/00	USB	(AB)
E11	10487	12-12	1910	Sun	616/00	USB	(AB/MPJ-POL)
E11	4909	13-12	0450	Mon	411/00	USB	(AB)
E11	16005	13-12	0640	Mon	942/00	USB	(AB-POL)
E11	11104	13-12	0715	Mon	750/00	USB	(AB)
E11	10213	13-12	0745	Mon	260/00	USB	(AB)
E11	14940	13-12	0830	Mon	183/00	USB	(AB-POL/HFD)
E11	12067	13-12	0845	Mon	710/00	USB	(AB)
E11	4909	13-12	1300	Mon	316/00	USB	(AB/MPJ)
E11	6849	13-12	1900	Mon	640/00	USB	(AB/MPJ)
E11	7840	14-12	0645	Tue	518/00	USB	(AB/HFD)
E11	6804	14-12	0700	Tue	579/00	USB	(AB)
E11	9130	14-12	0715	Tue	637/00	USB	(AB)
E11	13908	14-12	0745	Tue	221/00	USB	(AB)
E11	14611	14-12	0820	Tue	133/00	USB	(AB-POL)
E11	6433	14-12	1205	Tue	463/00	USB	(AB)
E11	13363	14-12	1430	Tue	919/00	USB	(AB/MPJ)
E11	5432	14-12	1605	Tue	238/00	USB	(AB/MPJ)
E11	9052	15-12	0315	Wed	259/00	USB	(AB-POL)
E11	16005	15-12	0640	Wed	945/00	USB	(AB)
E11	11104	15-12	0715	Wed	751/00	USB	(AB-RUS)

E11	17378	15-12	0745	Wed	347/00	USB	(AB-POL)
E11	14611	15-12	0820	Wed	135/00	USB	(AB)
E11	12067	15-12	0845	Wed	710/00	USB	(AB)
E11	11092	15-12	0900	Wed	538/00	USB	(AB)
E11	7469	15-12	0930	Wed	275/00	USB	(AB)
E11	6433	15-12	1205	Wed	469/00	USB	(AB/RL-HOL)
E11	5082	15-12	1715	Wed	970/00	USB	(AB/RL-HOL)
E11	4505	15-12	1910	Wed	394/00	USB	(AB/MPJ/RL-HOL)
E11	9052	16-12	0315	Thu	257/00	USB	(AB)
E11	7840	16-12	0645	Thu	519/00	USB	(AB)
E11	13908	16-12	0745	Thu	225/00	USB	(AB)
E11	5149	16-12	0820	Thu	430/00	USB	(AB)
E11	7469	16-12	0930	Thu	270/00	USB	(AB)
E11	4909	16-12	1300	Thu	319/00	USB	(AB)
E11	5082	16-12	1330	Thu	527/00	USB	(AB)
E11	5409	16-12	1530	Thu	261/00	USB	(AB)
E11	5779	16-12	1730	Thu	412/00	USB	(AB)
E11	6849	16-12	1900	Thu	643/00	USB	(AB)
E11	6804	17-12	0700	Fri	574/00	USB	(AB)
E11	9130	17-12	0715	Fri	639/00	USB	(AB)
E11	17378	17-12	0745	Fri	347/00	USB	(AB)
E11	5149	17-12	0820	Fri	436/00	USB	(AB)
E11	14940	17-12	0830	Fri	180/00	USB	(AB-RUS)
E11	5082	17-12	1715	Fri	977/00	USB	(AB/RL-HOL)
E11	6849	17-12	1815	Fri	921/00	USB	(AB/MPJ/RL-HOL)
E11	5371	18-12	0730	Sat	496/00	USB	(AB)
E11	13363	18-12	1430	Sat	910/00	USB	(AB)
E11	4505	18-12	1910	Sat	396/00	USB	(AB/MPJ)
E11	5371	19-12	0730	Sun	492/00	USB	(AB)
E11	5082	19-12	1330	Sun	528/00	USB	(AB/MPJ)
E11	5432	19-12	1605	Sun	236/00	USB	(AB/MPJ)
E11	6849	19-12	1815	Sun	927/00	USB	(AB)
E11	4909	20-12	0450	Mon	416/00	USB	(AB)
E11	14940	20-12	0830	Mon	188/00	USB	(AB)
E11	12067	20-12	0845	Mon	711/00	USB	(AB)
E11	7984	20-12	1045	Mon	693/00	USB	(AB)
E11	4909	20-12	1300	Mon	312/00	USB	(AB)
E11	12924	20-12	1745	Mon	248/00	USB	(AB)
E11	6849	20-12	1900	Mon	648/00	USB	(AB)
E11	7840	21-12	0645	Tue	512/00	USB	(AB)

E11	6804	21-12	0700	Tue	576/00	USB	(AB)
E11	12089	21-12	0845	Tue	159/00	USB	(AB)
E11	9079	21-12	1000	Tue	304/00	USB	(AB)
E11	6433	21-12	1205	Tue	466/00	USB	(AB)
E11	5432	21-12	1605	Tue	238/00	USB	(AB/MPJ)
E11	9052	22-12	0315	Wed	253/00	USB	(AB-POL/HFD)
E11	17378	22-12	0745	Wed	349/00	USB	(AB-RUS)
E11	12067	22-12	0845	Wed	718/00	USB	(AB)
E11	7469	22-12	0930	Wed	278/00	USB	(AB)
E11	7984	22-12	1045	Wed	693/00	USB	(AB)
E11	6433	22-12	1205	Wed	464/00	USB	(AB)
E11	5082	22-12	1715	Wed	978/00	USB	(AB/GHn/MPJ)
E11	4505	22-12	1910	Wed	396/00	USB	(AB/MPJ)
E11	7840	23-12	0645	Thu	517/00	USB	(AB)
E11	5149	23-12	0820	Thu	430/00	USB	(AB)
E11	12089	23-12	0845	Thu	151/00	USB	(AB)
E11	7469	23-12	0930	Thu	275/00	USB	(AB)
E11	4909	23-12	1300	Thu	313/00	USB	(AB/MPJ)
E11	5082	23-12	1330	Thu	521/00	USB	(AB/MPJ)
E11	5779	23-12	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	23-12	1900	Thu	647/00	USB	(AB)
E11	7850	24-12	0600	Fri	359/00	USB	(AB)
E11	6804	24-12	0700	Fri	575/00	USB	(AB)
E11	17378	24-12	0745	Fri	346/00	USB	(AB)
E11	5149	24-12	0820	Fri	438/00	USB	(AB)
E11	14940	24-12	0830	Fri	183/00	USB	(AB)
E11	9079	24-12	1000	Fri	300/00	USB	(AB)
E11	5082	24-12	1715	Fri	970/00	USB	(AB)
E11	6849	24-12	1815	Fri	925/00	USB	(AB)
E11	10487	24-12	1910	Fri	618/00	USB	(AB)
E11	4909	25-12	1530	Sat	368/00	USB	(AB)
E11	4505	25-12	1910	Sat	393/00	USB	(AB)
E11	7850	26-12	0600	Sun	351/00	USB	(AB)
E11	5082	26-12	1330	Sun	525/00	USB	(AB)
E11	4909	26-12	1530	Sun	365/00	USB	(AB)
E11	5432	26-12	1605	Sun	237/00	USB	(AB)
E11	12924	26-12	1745	Sun	245/00	USB	(AB-POL/GHn)
E11	6849	26-12	1815	Sun	926/00	USB	(AB)
E11	10487	26-12	1910	Sun	610/00	USB	(AB)
E11	16005	27-12	0640	Mon	942/00	USB	(AB-POL/HFD)
E11	11104	27-12	0715	Mon	751/00	USB	(AB)
E11	10213	27-12	0745	Mon	261/00	USB	(AB)

E11	14940	27-12	0830	Mon	188/00	USB	(AB)
E11	11092	27-12	0900	Mon	535/00	USB	(AB)
E11	7984	27-12	1045	Mon	691/00	USB	(AB)
E11	4909	27-12	1300	Mon	310/00	USB	(AB)
E11	12924	27-12	1745	Mon	249/00	USB	(AB-POL)
E11	6849	27-12	1900	Mon	648/00	USB	(AB)
E11	7840	28-12	0645	Tue	517/00	USB	(AB)
E11	6804	28-12	0700	Tue	577/00	USB	(AB)
E11	9130	28-12	0715	Tue	639/00	USB	(AB)
E11	13908	28-12	0745	Tue	223/00	USB	(AB)
E11	14611	28-12	0820	Tue	138/00	USB	(AB)
E11	12089	28-12	0845	Tue	150/00	USB	(AB)
E11	9079	28-12	1000	Tue	300/00	USB	(AB)
E11	13363	28-12	1430	Tue	911/00	USB	(AB/MPJ/RL-HOL)
E11	5432	28-12	1605	Tue	238/00	USB	(AB/MPJ/RL-HOL)
E11	16005	29-12	0640	Wed	942/00	USB	(AB)
E11	11104	29-12	0715	Wed	753/00	USB	(AB)
E11	14611	29-12	0820	Wed	138/00	USB	(AB)
E11	11092	29-12	0900	Wed	530/00	USB	(AB)
E11	7469	29-12	0930	Wed	270/00	USB	(AB)
E11	7984	29-12	1045	Wed	698/00	USB	(AB)
E11	5082	29-12	1715	Wed	970/00	USB	(AB/MPJ)
E11	4505	29-12	1910	Wed	396/00	USB	(AB/MPJ)
E11	7840	30-12	0645	Thu	519/00	USB	(AB)
E11	13908	30-12	0745	Thu	225/00	USB	(AB)
E11	12089	30-12	0845	Thu	154/00	USB	(AB)
E11	7469	30-12	0930	Thu	279/00	USB	(AB)
E11	4909	30-12	1300	Thu	311/00	USB	(AB-POL)
E11	5082	30-12	1330	Thu	527/00	USB	(AB)
E11	5409	30-12	1530	Thu	260/00	USB	(AB/MPJ)
E11	6849	30-12	1900	Thu	648/00	USB	(AB/MPJ)
E11	7850	31-12	0600	Fri	353/00	USB	(AB)
E11	6804	31-12	0700	Fri	577/00	USB	(AB)
E11	9130	31-12	0715	Fri	636/00	USB	(AB)
E11	14940	31-12	0830	Fri	180/00	USB	(AB)
E11	9079	31-12	1000	Fri	306/00	USB	(AB)
E11	5082	31-12	1715	Fri	970/00	USB	(AB/MPJ)
E11	6849	31-12	1815	Fri	925/00	USB	(AB/MPJ)
E11	10487	31-12	1910	Fri	613/00	USB	(AB/MPJ)
E11a	7469	1-12	0930	Wed	278/33 Attention 01327 28582 77482 ... 89701 17488 70710 Attention (message repeated) Out	USB	(AB)

E11a	4505	1-12	1910	Wed	399/40 Attention 71772 49204 45132 ... 59083 15352 94929 Attention (message repeated) Out	USB	(AB)
E11a	7469	2-12	0930	Thu	278/33 Attention 01327 28582 77482 ... 89701 17488 70710 Attention (message repeated) Out	USB	(AB)
E11a	5082	2-12	1330	Thu	524/38 Attention 58168 04123 77085 ... 95246 24020 67435 Attention (message repeated)	USB	(AB/MPJ)
E11a	6849	3-12	1815	Fri	921/32 Attention 83243 40966 01370 ... 11101 84017 92461 Attention (message repeated) Out	USB	(AB-POL/MPJ-AUT)
E11a	4505	4-12	1910	Sat	399/40 Attention 71772 49204 45132 ... 59083 15352 94929 Attention (message repeated) Out	USB	(MPJ)
E11a	5082	5-12	1330	Sun	524/38 Attention 58168 04123 77085 ... 95246 24020 67435 Attention (message repeated)	USB	(AB)
E11a	6849	5-12	1815	Sun	921/32 Attention 83243 40966 01370 ... 11101 84017 92461 Attention (message repeated) Out	USB	(AB-POL/HFD)
E11a	14940	6-12	0830	Mon	184/34 Attention 67242 46548 71320 ... 95578 29945 37387 Attention (message repeated) Out	USB	(AB-POL)
E11a	4909	6-12	1300	Mon	311/34 Attention 97968 65073 76543 ... 18327 38640 18476 Attention (message repeated) Out	USB	(AB)
E11a	6849	6-12	1900	Mon	644/39 Attention 88479 41789 77172 ... 35409 05564 07699 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	7840	7-12	0645	Tue	518/35 Attention 28423 00764 28581 ... 80727 77117 28525 Attention (message repeated) Out	USB	(AB)
E11a	6804	7-12	0700	Tue	571/34 Attention 29533 44940 29645 ... 75330 45806 83256 Attention (message repeated) Out	USB	(AB)
E11a	5432	7-12	1605	Tue	238/35 Attention 98866 55042 27355 ... 10618 63502 44564 Attention (message repeated) Out	USB	(AB)
E11a	5082	8-12	1715	Wed	975/30 Attention 97688 53879 21266 ... 54913 31827 58334 Attention (message repeated) Out	USB	(AB)
E11a	7840	9-12	0645	Thu	518/35 Attention 28423 00764 28581 ... 80727 77117 28525 Attention (message repeated) Out	USB	(AB)
E11a	4909	9-12	1300	Thu	311/34 Attention 97968 65073 76543 ... 18327 38640 18476 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	9-12	1900	Thu	644/39 Attention 88479 41789 77172 ... 35409 05564 07699 Attention (message repeated) Out	USB	(AB)
E11a	6804	10-12	0700	Fri	571/34 Attention 29533 44940 29645 ... 75330 45806 83256 Attention (message repeated) Out	USB	(AB)
E11a	14940	10-12	0830	Fri	184/34 Attention 67242 46548 71320 ... 95578 29945 37387 Attention (message repeated) Out	USB	(AB-RUS)
E11a	5082	10-12	1715	Fri	975/30 Attention 97688 53879 21266 ... 54913 31827 58334 Attention (message repeated) Out	USB	(AB)
E11a	5432	12-12	1605	Sun	238/35 Attention 98866 55042 27355 ... 10618 63502 44564 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7984	13-12	1045	Mon	693/32 Attention 32967 49145 46470 ... 79768 91810 79714 Attention (message repeated) Out	USB	(AB)
E11a	12924	13-12	1745	Mon	248/32 Attention 42423 29718 31984 ... 12867 66298 60151 Attention (message repeated) Out	USB	(AB/MPJ-POL)
E11a	12089	14-12	0845	Tue	156/32 Attention 75656 30724 69483 ... 18231 46823 58422 Attention (message repeated) Out	USB	(AB)
E11a	9079	14-12	1000	Tue	302/35 Attention 53601 61363 98980 ... 43313 37878 17904 Attention (message repeated) Out	USB	(AB)
E11a	7984	15-12	1045	Wed	693/32 Attention 32967 49145 46470 ... 79768 91810 79714 Attention (message repeated) Out	USB	(AB)
E11a	12089	16-12	0845	Thu	156/32 Attention 75656 30724 69483 ... 18231 46823 58422 Attention (message repeated) Out	USB	(AB)
E11a	7850	17-12	0600	Fri	351/31 Attention 49559 72567 21551 ... 63585 68752 36666 Attention (message repeated) Out	USB	(AB)
E11a	9079	17-12	1000	Fri	302/35 Attention 53601 61363 98980 ... 43313 37878 17904 Attention (message repeated) Out	USB	(AB)
E11a	10487	17-12	1910	Fri	611/35 Attention 48477 61144 71858 ... 29434 65670 20573 Attention (message repeated) Out	USB	(AB)
E11a	4909	18-12	1530	Sat	365/33 Attention 10920 27396 81372 ... 02841 94576 93089 Attention (message repeated) Out	USB	(AB)
E11a	4909	19-12	1530	Sun	365/33 Attention 10920 27396 81372 ... 02841 94576 93089 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	19-12	1745	Sun	248/32 Attention 42423 29718 31984 ... 12867 66298 60151 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	7850	20-12	0600	Mon	351/31 Attention 49559 72567 21551 ... 63585 68752 36666 Attention (message repeated) Out	USB	(HFD)
E11a	16005	20-12	0640	Mon	945/39 Attention 31369 98306 22218 ... 12220 11636 80245 Attention (message repeated) Out	USB	(AB-POL)
E11a	11104	20-12	0715	Mon	751/33 Attention 99777 53630 84924 ... 33246 82994 11030 Attention (message repeated) Out	USB	(AB)
E11a	10213	20-12	0745	Mon	267/40 Attention 37081 70223 39595 ... 66542 11334 21389 Attention (message repeated) Out	USB	(AB)
E11a	11092	20-12	0900	Mon	533/34 Attention 55718 12836 41475 ... 07317 05205 28405 Attention (message repeated) Out	USB	(AB)
E11a	9130	21-12	0715	Tue	633/33 Attention 45480 87020 31542 ... 35435 32360 47861 Attention (message repeated) Out	USB	(AB)
E11a	13908	21-12	0745	Tue	225/34 Attention 60373 40315 95047 ... 86424 52148 27814 Attention (message repeated) Out	USB	(AB)
E11a	14611	21-12	0820	Tue	133/40 Attention 55729 92708 91440 ... 86197 70363 12171 Attention (message repeated) Out	USB	(AB)

E11a	13363	21-12	1430	Tue	912/31 Attention 43710 38175 24880 ... 74394 01926 59031 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	16005	22-12	0640	Wed	945/39 Attention 31369 98306 22218 ... 12220 11636 80245 Attention (message repeated) Out	USB	(AB)
E11a	11104	22-12	0715	Wed	751/33 Attention 99777 53630 84924 ... 33246 82994 11030 Attention (message repeated) Out	USB	(AB)
E11a	14611	22-12	0820	Wed	133/40 Attention 55729 92708 91440 ... 86197 70363 12171 Attention (message repeated) Out	USB	(AB)
E11a	11092	22-12	0900	Wed	533/34 Attention 55718 12836 41475 ... 07317 05205 28405 Attention (message repeated) Out	USB	(AB)
E11a	13908	23-12	0745	Thu	225/34 Attention 60373 40315 95047 ... 86424 52148 27814 Attention (message repeated) Out	USB	(AB)
E11a	5409	23-12	1530	Thu	267/40 Attention 37081 70223 39595 ... 66542 11334 21389 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	9130	24-12	0715	Fri	633/33 Attention 45480 87020 31542 ... 35435 32360 47861 Attention (message repeated) Out	USB	(AB)
E11a	5371	25-12	0730	Sat	495/39 Attention 08745 53296 01132 ... 17980 10735 69220 Attention (message repeated) Out	USB	(AB)
E11a	13363	25-12	1430	Sat	912/31 Attention 43710 38175 24880 ... 74394 01926 59031 Attention (message repeated) Out	USB	(AB)
E11a	5371	26-12	0730	Sun	495/39 Attention 08745 53296 01132 ... 17980 10735 69220 Attention (message repeated) Out	USB	(AB)
E11a	4909	27-12	0450	Mon	412/40 Attention 12846 05399 15130 ... 32606 80270 60265 Attention (message repeated) Out	USB	(AB/HFD)
E11a	12067	27-12	0845	Mon	714/37 Attention 14950 02532 80342 ... 12729 15972 14235 Attention (message repeated) Out	USB	(AB)
E11a	6433	28-12	1205	Tue	463/40 Attention 20540 21194 90406 ... 85849 88110 53366 Attention (message repeated) Out	USB	(AB/RL-HOL)
E11a	9052	29-12	0315	Wed	255/31 Attention 31828 09344 99622 ... 11844 23350 56539 Attention (message repeated) Out	USB	(AVX)
E11a	17378	29-12	0745	Wed	340/39 Attention 65723 27200 33972 ... 18889 65653 00932 Attention (message repeated) Out	USB	(AB-RUS)
E11a	12067	29-12	0845	Wed	714/37 Attention 14950 02532 80342 ... 12729 15972 14235 Attention (message repeated) Out	USB	(AB)
E11a	6433	29-12	1205	Wed	463/40 Attention 20540 21194 90406 ... 85849 88110 53366 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	9052	30-12	0315	Thu	255/31 Attention 31828 09344 99622 ... 11844 23350 56539 Attention (message repeated) Out	USB	(AB-POL)
E11a	5149	30-12	0820	Thu	438/33 Attention 27329 99221 83297 ... 85669 10583 34877 Attention (message repeated) Out	USB	(AB)
E11a	5779	30-12	1730	Thu	412/40 Attention 12846 05399 15130 ... 32606 80270 60265 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	17378	31-12	0745	Fri	340/39 Attention 65723 27200 33972 ... 18889 65653 00932 Attention (message repeated) Out	USB	(AB-POL)
E11a	5149	31-12	0820	Fri	438/33 Attention 27329 99221 83297 ... 85669 10583 34877 Attention (message repeated) Out	USB	(AB)
E17z	11170	2-12	0800	Thu	217 980 5 40614 77249 40678 17987 20597 980 5 00000	USB	(AB)
E17z	9820	2-12	0810	Thu	217 980 5 40614 77249 40678 17987 20597 980 5 00000	USB	(AB)
E17z	11170	9-12	0800	Thu	217 980 5 40614 77249 40678 17987 20597 980 5 00000	USB	(AB)
E17z	9820	9-12	0810	Thu	217 980 5 40614 77249 40678 17987 20597 980 5 00000	USB	(AB)
E17z	11170	16-12	0800	Thu	217 489 5 37184 36129 33983 83321 85246 489 5 00000	USB	(AB)
E17z	9820	16-12	0810	Thu	217 489 5 37184 36129 33983 83321 85246 489 5 00000	USB	(AB)
E17z	11170	23-12	0800	Thu	217 489 5 37184 36129 33983 83321 85246 489 5 00000	USB	(AB)
E17z	9820	23-12	0810	Thu	217 489 5 37184 36129 33983 83321 85246 489 5 00000	USB	(AB)
E17z	11170	30-12	0800	Thu	217 217 217 00000	USB	(AB)
E17z	9820	30-12	0810	Thu	217 217 217 00000	USB	(AB)
EGY	10155	21-12	1350	Tue	MFA Cairo clg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	10165	21-12	1443	Tue	MFA Cairo clg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	10165	21-12	1450	Tue	99903 MFA Cairo msg for 44406: Egyptian embassy New Delhi	CODAN-3012	(AB)
EGY	16022	24-12	1308	Fri	MFA Cairo clg OOVS: Egyptian embassy Kuala Lumpur	SITOR-A 100/170	(AB)
EGY	16022	24-12	1310	Fri	MFA Cairo msg to 44409: Egyptian embassy Kuala Lumpur	CODAN-3012	(AB)
EGY	16010	31-12	1350	Fri	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
F01	12164	1-12	1015	Wed	Russian diplo/intel. 52883 02112 03415 ... 38580 93669 27423 00000 +++++	FSK 200/500	(AB/HFD)
F01	10336	1-12	1025	Wed	Russian diplo/intel. 52883 02112 03415 ... 38580 93669 27423 00000 +++++	FSK 200/500	(AB/HFD)
F01	8016	1-12	1035	Wed	Russian diplo/intel. 52883 02112 03415 ... 38580 93669 27423 00000 +++++	FSK 200/500	(AB/HFD)

F01	7684	1-12	1940	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB-RUS/HFD)
F01	5326	1-12	1950	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	4029	1-12	2000	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	12164	2-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	2-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	2-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	3-12	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	3-12	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	3-12	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	6-12	1015	Mon	Russian diplo/intel. 05570 09642 92433 ... 68413 30417 00000 +++++	FSK 200/500	(AB)
F01	10336	6-12	1025	Mon	Russian diplo/intel. 05570 09642 92433 ... 68413 30417 00000 +++++	FSK 200/500	(AB)
F01	8016	6-12	1035	Mon	Russian diplo/intel. 05570 09642 92433 ... 68413 30417 00000 +++++	FSK 200/500	(AB)
F01	12164	7-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	7-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	7-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	8-12	1015	Wed	Russian diplo/intel. 30056 69349 03281 ... 29269 69388 33421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10336	8-12	1025	Wed	Russian diplo/intel. 30056 69349 03281 ... 29269 69388 33421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	8016	8-12	1035	Wed	Russian diplo/intel. 30056 69349 03281 ... 29269 69388 33421 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	12164	9-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	10336	9-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	8016	9-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	12164	10-12	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	10-12	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	10-12	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	13-12	1015	Mon	Russian diplo/intel. 39333 35162 91827 ... 21272 09363 36407 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	13-12	1025	Mon	Russian diplo/intel. 39333 35162 91827 ... 21272 09363 36407 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	13-12	1035	Mon	Russian diplo/intel. 39333 35162 91827 ... 21272 09363 36407 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	14-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	14-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	14-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	15-12	1015	Wed	Russian diplo/intel. 52168 21673 82149 ... 08097 39437 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	15-12	1025	Wed	Russian diplo/intel. 52168 21673 82149 ... 08097 39437 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	15-12	1035	Wed	Russian diplo/intel. 52168 21673 82149 ... 08097 39437 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	16-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	16-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	16-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	9064	16-12	1120	Thu	Russian diplo/intel. 75814 39053 12920 ... 51799 06500 00000 +++++ +++++	FSK 200/500	(AB)
F01	6792	16-12	1130	Thu	Russian diplo/intel. 75814 39053 12920 ... 51799 06500 00000 +++++ +++++	FSK 200/500	(AB)
F01	4565	16-12	1140	Thu	Russian diplo/intel. 75814 39053 12920 ... 51799 06500 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	17-12	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	17-12	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	17-12	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)

F01	12164	20-12	1015	Mon	Russian diplo/intel. 39217 41702 96701 ... 63465 75733 42415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10336	20-12	1025	Mon	Russian diplo/intel. 39217 41702 96701 ... 63465 75733 42415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	8016	20-12	1035	Mon	Russian diplo/intel. 39217 41702 96701 ... 63465 75733 42415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	12164	21-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	21-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	21-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	22-12	1015	Wed	Russian diplo/intel. 95245 37727 11874 ... 43714 18747 45411 00000 +++++	FSK 200/500	(AB)
F01	10336	22-12	1025	Wed	Russian diplo/intel. 95245 37727 11874 ... 43714 18747 45411 00000 +++++	FSK 200/500	(AB)
F01	8016	22-12	1035	Wed	Russian diplo/intel. 95245 37727 11874 ... 43714 18747 45411 00000 +++++	FSK 200/500	(AB)
F01	12164	23-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	23-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	23-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	24-12	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	24-12	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	24-12	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12164	27-12	1015	Mon	Russian diplo/intel. 99107 37904 72428 ... 23668 35063 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10336	27-12	1025	Mon	Russian diplo/intel. 99107 37904 72428 ... 23668 35063 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	8016	27-12	1035	Mon	Russian diplo/intel. 99107 37904 72428 ... 23668 35063 48433 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	12164	28-12	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	28-12	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	28-12	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	29-12	1015	Wed	Russian diplo/intel. 18306 89416 53034 ... 29462 83057 51427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	10336	29-12	1025	Wed	Russian diplo/intel. 18306 89416 53034 ... 29462 83057 51427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	8016	29-12	1035	Wed	Russian diplo/intel. 18306 89416 53034 ... 29462 83057 51427 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	12164	30-12	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10336	30-12	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8016	30-12	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12164	31-12	1015	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	10336	31-12	1025	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8016	31-12	1035	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F03j	5946	1-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	1-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	1-12	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	1-12	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	2-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	2-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	3-12	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	3-12	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	9339	3-12	0850	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	9339	3-12	0855	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	8091	3-12	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	3-12	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	6-12	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	6-12	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	6-12	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	6-12	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	7-12	0810	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	7-12	0815	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	7-12	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	7-12	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	8-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	8-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	8-12	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	8-12	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	9-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	9-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	10-12	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	10-12	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	10-12	0850	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	9339	10-12	0855	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	8091	10-12	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	10-12	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	13-12	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	13-12	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12089	13-12	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	13-12	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	14-12	0810	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	14-12	0815	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	14-12	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	14-12	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	15-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	15-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	15-12	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	15-12	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	16-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	16-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	17-12	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	17-12	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	17-12	0850	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	9339	17-12	0855	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	8091	17-12	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	17-12	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	20-12	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	20-12	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	20-12	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	20-12	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	21-12	0810	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	21-12	0815	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	21-12	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	21-12	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	5946	22-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	22-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	22-12	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	22-12	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	23-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	23-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	24-12	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	24-12	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	24-12	0850	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	9339	24-12	0855	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	8091	24-12	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	24-12	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	27-12	0810	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	27-12	0815	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	27-12	1010	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	27-12	1015	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	28-12	0810	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	28-12	0815	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	28-12	0900	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	28-12	0905	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	29-12	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	29-12	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	29-12	1010	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	29-12	1015	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	30-12	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5946	30-12	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12089	31-12	0810	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12089	31-12	0815	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	31-12	0850	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9339	31-12	0855	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	31-12	0900	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8091	31-12	0905	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	9240	1-12	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	9240	1-12	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	11116	1-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	1-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	1-12	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	1-12	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	1-12	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	1-12	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	2-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	2-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	2-12	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	2-12	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	2-12	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	2-12	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	2-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	2-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	3-12	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6304	3-12	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6480	3-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	8680	3-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	3-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	8680	3-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	6-12	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	6-12	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	6-12	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	6-12	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	6-12	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	6-12	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	6-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	6-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	7-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	7-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	7-12	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	14415	7-12	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	7-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	7-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	7-12	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	6480	7-12	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(PY)
F03I	6280	7-12	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	7-12	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	8-12	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	8-12	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	8-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	8-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	8-12	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	8-12	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	8-12	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	8-12	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	9-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	9-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-12	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-12	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	9-12	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	9-12	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	9-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	10-12	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6304	10-12	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6480	10-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	10-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	13-12	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	13-12	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	13-12	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	13-12	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	13-12	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	13-12	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	13-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	13-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	14-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	14-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	14-12	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	14-12	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	14-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	14-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	14-12	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	6480	14-12	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	14-12	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	14-12	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	15-12	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	15-12	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	15-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	15-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	15-12	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	15-12	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	15-12	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	15-12	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	16-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	16-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	16-12	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	16-12	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	16-12	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	16-12	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	16-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	16-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	17-12	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6304	17-12	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6480	17-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	17-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	20-12	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	20-12	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	20-12	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	20-12	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	20-12	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	20-12	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	20-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	20-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	21-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	21-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	21-12	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	21-12	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	21-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	21-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	21-12	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	21-12	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	21-12	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	21-12	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	22-12	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	9240	22-12	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	22-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	22-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	22-12	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	22-12	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	22-12	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	22-12	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	23-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	23-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-12	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-12	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	23-12	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	23-12	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	23-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	24-12	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6304	24-12	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6480	24-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	24-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	27-12	0615	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	27-12	0620	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	27-12	0735	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	27-12	0740	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	27-12	0930	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	27-12	0935	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	27-12	0950	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	27-12	0955	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	27-12	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	27-12	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	28-12	0615	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	28-12	0620	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	28-12	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	28-12	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	28-12	0835	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	28-12	0840	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	28-12	0945	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	28-12	0950	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	28-12	1100	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	28-12	1105	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	29-12	0615	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	29-12	0620	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	11116	29-12	0950	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	11116	29-12	0955	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	29-12	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	7837	29-12	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	29-12	1100	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6280	29-12	1105	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	30-12	0615	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	9240	30-12	0620	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-12	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-12	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	30-12	0735	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	8800	30-12	0740	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-12	0835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	14415	30-12	0840	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6304	31-12	0930	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6304	31-12	0935	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03I	6480	31-12	0945	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	6480	31-12	0950	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F06	20157	1-12	0600	Wed	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	18241	1-12	0610	Wed	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	16204	1-12	0620	Wed	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	11046	1-12	0700	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	9065	1-12	0710	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	7479	1-12	0720	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	9178	1-12	1200	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	7624	1-12	1210	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	5789	1-12	1220	Wed	Russian diplo/intel. 11166 70202 96321 30058 02499	FSK 200/1000	(AB)
F06	3889	1-12	1700	Wed	Russian diplo/intel. 11100 00000 85236 30080 10029	FSK 200/1000	(AB)
F06	3744	1-12	1710	Wed	Russian diplo/intel. 11100 00000 85236 30080 10029	FSK 200/1000	(AB)
F06	3542	1-12	1720	Wed	Russian diplo/intel. 11100 00000 85236 30080 10029	FSK 200/1000	(AB)
F06	20157	2-12	0600	Thu	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	18241	2-12	0610	Thu	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	16204	2-12	0620	Thu	Russian diplo/intel. 11166 40122 34168 27076 03799	FSK 200/1000	(AB-J)
F06	11046	2-12	0700	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	9065	2-12	0710	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	7479	2-12	0720	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	9178	2-12	1200	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	7624	2-12	1210	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	5789	2-12	1220	Thu	Russian diplo/intel. 11166 70202 45817 01059 01759 and 11166 70202 39857 01060 01959	FSK 200/1000	(AB)
F06	10968	2-12	1330	Thu	Russian diplo/intel. 11166 80214 96581 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9354	2-12	1340	Thu	Russian diplo/intel. 11166 80214 96581 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7963	2-12	1350	Thu	Russian diplo/intel. 11166 80214 96581 01038 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11046	3-12	0700	Fri	Russian diplo/intel. 11166 70202 13468 03013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	9065	3-12	0710	Fri	Russian diplo/intel. 11166 70202 13468 03013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7479	3-12	0720	Fri	Russian diplo/intel. 11166 70202 13468 03013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10687	3-12	1120	Fri	Russian diplo/intel. 11100 00000 13468 02076 03259	FSK 200/1000	(PY)
F06	3889	3-12	1700	Fri	Russian diplo/intel. 11100 00000 15937 02082 05029	FSK 200/1000	(AB/MPJ)
F06	3744	3-12	1710	Fri	Russian diplo/intel. 11100 00000 15937 02082 05029	FSK 200/1000	(AB/MPJ)
F06	3542	3-12	1720	Fri	Russian diplo/intel. 11100 00000 15937 02082 05029	FSK 200/1000	(AB/MPJ)
F06	10817	4-12	0830	Sat	Russian diplo/intel. 11100 00000 24568 03083 03029 and 11100 00000 45761 03084 03029	FSK 200/1000	(linkz)
F06	12087	4-12	0840	Sat	Russian diplo/intel. 11100 00000 24568 03083 03029 and 11100 00000 45761 03084 03029	FSK 200/1000	(linkz)
F06	12218	4-12	0850	Sat	Russian diplo/intel. 11100 00000 24568 03083 03029 and 11100 00000 45761 03084 03029	FSK 200/1000	(linkz)
F06	13956	4-12	0905	Sat	Russian diplo/intel. 11100 00000 35678 03085 03029 and 11100 00000 72901 03086 03029	FSK 200/1000	(AB/linkz)
F06	13377	4-12	0915	Sat	Russian diplo/intel. 11100 00000 35678 03085 03029 and 11100 00000 72901 03086 03029	FSK 200/1000	(AB/linkz)
F06	12213	4-12	0925	Sat	Russian diplo/intel. 11100 00000 35678 03085 03029 and 11100 00000 72901 03086 03029	FSK 200/1000	(AB/linkz)
F06	9101	5-12	0610	Sun	Russian diplo/intel. 11100 00000 23568 03087 03029 and 11100 00000 46790 03088 03029	FSK 200/1000	(T101)
F06	9944	5-12	0620	Sun	Russian diplo/intel. 11100 00000 23568 03087 03029 and 11100 00000 46790 03088 03029	FSK 200/1000	(T101)
F06	10831	5-12	0630	Sun	Russian diplo/intel. 11100 00000 23568 03087 03029 and 11100 00000 46790 03088 03029	FSK 200/1000	(T101)
F06	12087	5-12	0840	Sun	Russian diplo/intel.	FSK 200/1000	(linkz)
F06	12218	5-12	0850	Sun	Russian diplo/intel.	FSK 200/1000	(linkz)
F06	13956	5-12	0905	Sun	Russian diplo/intel. 11100 00000 75431 03089 03029	FSK 200/1000	(AB)
F06	13377	5-12	0915	Sun	Russian diplo/intel. 11100 00000 75431 03089 03029	FSK 200/1000	(AB)
F06	12213	5-12	0925	Sun	Russian diplo/intel. 11100 00000 75431 03089 03029	FSK 200/1000	(AB)
F06	9416	5-12	1530	Sun	Russian diplo/intel. unreadable	FSK 200/1000	(AB)
F06	7836	5-12	1540	Sun	Russian diplo/intel. unreadable	FSK 200/1000	(AB)
F06	6785	5-12	1550	Sun	Russian diplo/intel. unreadable	FSK 200/1000	(AB)
F06	7379	6-12	0500	Mon	Russian diplo/intel. 11166 70059 35741 06001 00049 00000 00000 000000 00000	FSK 200/1000	(AB)
F06	6774	6-12	0510	Mon	Russian diplo/intel. 11166 70059 35741 06001 00049 00000 00000 000000 00000	FSK 200/1000	(AB)
F06	5463	6-12	0520	Mon	Russian diplo/intel. 11166 70059 35741 06001 00049 00000 00000 000000 00000	FSK 200/1000	(AB)
F06	11046	6-12	0700	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB)
F06	9065	6-12	0710	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB)
F06	7479	6-12	0720	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB)
F06	9178	6-12	1200	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	7624	6-12	1210	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB/MPJ)
F06	5789	6-12	1220	Mon	Russian diplo/intel. 11166 70202 15347 03061 02779	FSK 200/1000	(AB/MPJ)
F06	11046	7-12	0700	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)
F06	9065	7-12	0710	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)
F06	7479	7-12	0720	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)
F06	10817	7-12	0830	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	12087	7-12	0840	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(T101)
F06	12218	7-12	0850	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(T101)
F06	13956	7-12	0905	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB)
F06	13377	7-12	0915	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB)
F06	12213	7-12	0925	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB)
F06	9178	7-12	1200	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)

F06	7624	7-12	1210	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)
F06	5789	7-12	1220	Tue	Russian diplo/intel. 11166 70202 96325 06062 01539 and 11166 70202 39857 06063 01699	FSK 200/1000	(AB)
F06	9313	7-12	1650	Tue	Russian diplo/intel. 11166 10053 15973 07024 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	3889	7-12	1700	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB/MPJ)
F06	7928	7-12	1700	Tue	Russian diplo/intel. 11166 10053 15973 07024 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	3744	7-12	1710	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB/MPJ)
F06	6783	7-12	1710	Tue	Russian diplo/intel. 11166 10053 15973 07024 00049 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	3542	7-12	1720	Tue	Russian diplo/intel. 11100 00000 96354 06002 03529 and 11100 00000 37698 06003 03529	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	20157	8-12	0600	Wed	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	9101	8-12	0610	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	18241	8-12	0610	Wed	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	9944	8-12	0620	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	16204	8-12	0620	Wed	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	10831	8-12	0630	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	11046	8-12	0700	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB)
F06	9065	8-12	0710	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB)
F06	7479	8-12	0720	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB)
F06	10817	8-12	0830	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	12087	8-12	0840	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	12218	8-12	0850	Wed	Russian diplo/intel. 11100 00000 39857 07004 07529	FSK 200/1000	(AB)
F06	19851	8-12	0900	Wed	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)
F06	13956	8-12	0905	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029	FSK 200/1000	(AB)
F06	17464	8-12	0910	Wed	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)
F06	13377	8-12	0915	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029	FSK 200/1000	(AB)
F06	15609	8-12	0920	Wed	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)
F06	12213	8-12	0925	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029	FSK 200/1000	(AB)
F06	13921	8-12	1100	Wed	Russian diplo/intel. 11100 00000 45871 07077 03339	FSK 200/1000	(AB)
F06	12122	8-12	1110	Wed	Russian diplo/intel. 11100 00000 45871 07077 03339	FSK 200/1000	(AB)
F06	10271	8-12	1120	Wed	Russian diplo/intel. 11100 00000 45871 07077 03339	FSK 200/1000	(AB)
F06	9178	8-12	1200	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB/MPJ)
F06	7624	8-12	1210	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB/MPJ)
F06	5789	8-12	1220	Wed	Russian diplo/intel. 11166 70202 64871 07064 02659	FSK 200/1000	(AB/MPJ)
F06	3889	8-12	1700	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029 Wrong 500Hz shift	FSK 200/500	(AB/MPJ)
F06	3744	8-12	1710	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029 Wrong 500Hz shift	FSK 200/500	(AB/MPJ)
F06	3542	8-12	1720	Wed	Russian diplo/intel. 11100 00000 15986 07005 10029 Wrong 500Hz shift	FSK 200/500	(AB/MPJ)
F06	20157	9-12	0600	Thu	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	18241	9-12	0610	Thu	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	16204	9-12	0620	Thu	Russian diplo/intel. 11166 40122 38921 04077 02869 and 11166 40122 12389 04078 02859	FSK 200/1000	(AB-J)
F06	11046	9-12	0700	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB)
F06	9065	9-12	0710	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB)
F06	7479	9-12	0720	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB)
F06	19851	9-12	0900	Thu	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)

F06	13956	9-12	0905	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB)
F06	17464	9-12	0910	Thu	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)
F06	13377	9-12	0915	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB)
F06	15609	9-12	0920	Thu	Russian diplo/intel. 11166 00052 46852 08098 02019	FSK 200/1000	(AB)
F06	12213	9-12	0925	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB)
F06	9178	9-12	1200	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB/RL-HOL)
F06	7624	9-12	1210	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB)
F06	5789	9-12	1220	Thu	Russian diplo/intel. 11166 70202 25469 08065 01579 and 11166 70202 74836 08066 01679	FSK 200/1000	(AB)
F06	10968	9-12	1330	Thu	Russian diplo/intel. 11166 80214 12758 09071 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	9-12	1340	Thu	Russian diplo/intel. 11166 80214 12758 09071 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	9-12	1350	Thu	Russian diplo/intel. 11166 80214 12758 09071 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL-HOL)
F06	3889	9-12	1700	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB/MPJ)
F06	3744	9-12	1710	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB/MPJ)
F06	3542	9-12	1720	Thu	Russian diplo/intel. 11100 00000 32164 08007 03029 and 11100 00000 23561 08008 03029	FSK 200/1000	(AB/MPJ)
F06	9101	10-12	0610	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	9944	10-12	0620	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	10831	10-12	0630	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	11046	10-12	0700	Fri	Russian diplo/intel. 11166 70202 46821 10018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	10-12	0710	Fri	Russian diplo/intel. 11166 70202 46821 10018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7479	10-12	0720	Fri	Russian diplo/intel. 11166 70202 46821 10018 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10817	10-12	0830	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	12087	10-12	0840	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	12218	10-12	0850	Fri	Russian diplo/intel. 11100 00000 93475 09010 05029	FSK 200/1000	(AB)
F06	13956	10-12	0905	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	13377	10-12	0915	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	12213	10-12	0925	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	3889	10-12	1700	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	3744	10-12	1710	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	3542	10-12	1720	Fri	Russian diplo/intel. 11100 00000 69432 09011 03029 and 11100 00000 23561 09012 03029	FSK 200/1000	(AB)
F06	9101	11-12	0610	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	9944	11-12	0620	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	10831	11-12	0630	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	10817	11-12	0830	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	12087	11-12	0840	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	12218	11-12	0850	Sat	Russian diplo/intel. 11100 00000 23457 10013 03029 and 11100 00000 12495 10014 03029	FSK 200/1000	(AB)
F06	13956	11-12	0905	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	13377	11-12	0915	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	12213	11-12	0925	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	3889	11-12	1700	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	3744	11-12	1710	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	3542	11-12	1720	Sat	Russian diplo/intel. 11100 00000 94257 10015 03029 and 11100 00000 43568 10016 03029	FSK 200/1000	(AB)
F06	9101	12-12	0610	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)

F06	9944	12-12	0620	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)
F06	10831	12-12	0630	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)
F06	10817	12-12	0830	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)
F06	12087	12-12	0840	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)
F06	12218	12-12	0850	Sun	Russian diplo/intel. 11100 00000 46287 10017 03029 and 11100 00000 26478 10018 03029	FSK 200/1000	(AB)
F06	13956	12-12	0905	Sun	Russian diplo/intel. 11100 00000 25896 10019 03029 and 11100 00000 36547 10020 03029	FSK 200/1000	(AB)
F06	13377	12-12	0915	Sun	Russian diplo/intel. 11100 00000 25896 10019 03029 and 11100 00000 36547 10020 03029	FSK 200/1000	(AB)
F06	12213	12-12	0925	Sun	Russian diplo/intel. 11100 00000 25896 10019 03029 and 11100 00000 36547 10020 03029	FSK 200/1000	(AB)
F06	9416	12-12	1530	Sun	Russian diplo/intel. 11166 10053 59741 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	7836	12-12	1540	Sun	Russian diplo/intel. 11166 10053 59741 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6785	12-12	1550	Sun	Russian diplo/intel. 11166 10053 59741 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9101	13-12	0610	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	9944	13-12	0620	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	10831	13-12	0630	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	11046	13-12	0700	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079	FSK 200/1000	(AB)
F06	9065	13-12	0710	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079	FSK 200/1000	(AB)
F06	7479	13-12	0720	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079	FSK 200/1000	(AB)
F06	10817	13-12	0830	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	12087	13-12	0840	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	12218	13-12	0850	Mon	Russian diplo/intel. 11100 00000 64582 10021 03529 and 11100 00000 38917 10022 03529	FSK 200/1000	(AB)
F06	9178	13-12	1200	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079 wrong shift	FSK 200/500	(AB)
F06	7624	13-12	1210	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079 wrong shift	FSK 200/500	(AB)
F06	5789	13-12	1220	Mon	Russian diplo/intel. 11166 70202 64291 10067 02079 wrong shift	FSK 200/500	(AB)
F06	10225	14-12	0030	Tue	Russian diplo/intel. 11166 60070 78912 14001 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	9137	14-12	0040	Tue	Russian diplo/intel. 11166 60070 78912 14001 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	8081	14-12	0050	Tue	Russian diplo/intel. 11166 60070 78912 14001 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	9101	14-12	0610	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	9944	14-12	0620	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	10831	14-12	0630	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	11046	14-12	0700	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	9065	14-12	0710	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	7479	14-12	0720	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	10817	14-12	0830	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	12087	14-12	0840	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	12218	14-12	0850	Tue	Russian diplo/intel. 7 messages	FSK 200/1000	(AB)
F06	13956	14-12	0905	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB)
F06	13377	14-12	0915	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB)
F06	12213	14-12	0925	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB)
F06	9178	14-12	1200	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	7624	14-12	1210	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	5789	14-12	1220	Tue	Russian diplo/intel. 11166 70202 34871 13068 01759 and 11166 70202 51489 13069 01819	FSK 200/1000	(AB)
F06	9313	14-12	1650	Tue	Russian diplo/intel. 11166 10053 75216 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)

F06	3889	14-12	1700	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB/MPJ-RUS)
F06	7928	14-12	1700	Tue	Russian diplo/intel. 11166 10053 75216 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	3744	14-12	1710	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB/MPJ-RUS)
F06	6783	14-12	1710	Tue	Russian diplo/intel. 11166 10053 75216 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	3542	14-12	1720	Tue	Russian diplo/intel. 11100 00000 21359 13031 03529 and 11100 00000 95863 13032 03529	FSK 200/1000	(AB/MPJ-RUS)
F06	20157	15-12	0600	Wed	Russian diplo/intel. 11166 40122 32654 15028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	9101	15-12	0610	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	18241	15-12	0610	Wed	Russian diplo/intel. 11166 40122 32654 15028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	9944	15-12	0620	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	16204	15-12	0620	Wed	Russian diplo/intel. 11166 40122 32654 15028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	10831	15-12	0630	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	11046	15-12	0700	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB)
F06	9065	15-12	0710	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB)
F06	7479	15-12	0720	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB)
F06	10817	15-12	0830	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	12087	15-12	0840	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	12218	15-12	0850	Wed	Russian diplo/intel. 11100 00000 15973 14033 07529	FSK 200/1000	(AB)
F06	13956	15-12	0905	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB)
F06	13377	15-12	0915	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB)
F06	12213	15-12	0925	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB)
F06	13921	15-12	1100	Wed	Russian diplo/intel. 11100 00000 16485 14079 03519	FSK 200/1000	(AB)
F06	12122	15-12	1110	Wed	Russian diplo/intel. 11100 00000 16485 14079 03519	FSK 200/1000	(AB)
F06	10271	15-12	1120	Wed	Russian diplo/intel. 11100 00000 16485 14079 03519	FSK 200/1000	(AB)
F06	9178	15-12	1200	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB)
F06	7624	15-12	1210	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB/RL-HOL)
F06	5789	15-12	1220	Wed	Russian diplo/intel. 11166 70202 13485 14070 02299	FSK 200/1000	(AB)
F06	3889	15-12	1700	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB/MPJ)
F06	3744	15-12	1710	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB/MPJ)
F06	3542	15-12	1720	Wed	Russian diplo/intel. 11100 00000 32485 14034 10029	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	11046	16-12	0700	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	9065	16-12	0710	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	7479	16-12	0720	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	9178	16-12	1200	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	7624	16-12	1210	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	5789	16-12	1220	Thu	Russian diplo/intel. 11166 70202 28641 15071 01599 and 11166 70202 37642 15072 01639	FSK 200/1000	(AB)
F06	10968	16-12	1330	Thu	Russian diplo/intel. 11166 80214 93541 16084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	16-12	1340	Thu	Russian diplo/intel. 11166 80214 93541 16084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	16-12	1350	Thu	Russian diplo/intel. 11166 80214 93541 16084 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6791	17-12	0550	Fri	Russian diplo/intel. 11100 00000 37591 16080 03179	FSK 200/1000	(AB)
F06	11046	17-12	0700	Fri	Russian diplo/intel. 11166 70202 79465 17011 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	17-12	0710	Fri	Russian diplo/intel. 11166 70202 79465 17011 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7479	17-12	0720	Fri	Russian diplo/intel. 11166 70202 79465 17011 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	11611	17-12	1100	Fri	Russian diplo/intel. 11100 00000 32154 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	19-12	1530	Sun	Russian diplo/intel. 11166 10053 15963 19070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	19-12	1540	Sun	Russian diplo/intel. 11166 10053 15963 19070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6785	19-12	1550	Sun	Russian diplo/intel. 11166 10053 15963 19070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7379	20-12	0500	Mon	Russian diplo/intel. 11166 70059 15963 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6774	20-12	0510	Mon	Russian diplo/intel. 11166 70059 15963 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5463	20-12	0520	Mon	Russian diplo/intel. 11166 70059 15963 20021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	20-12	0700	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/1000	(AB)
F06	9065	20-12	0710	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/1000	(AB)
F06	7479	20-12	0720	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/1000	(AB)
F06	9178	20-12	1200	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/1000	(AB)
F06	7624	20-12	1210	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/1000	(AB)
F06	5789	20-12	1220	Mon	Russian diplo/intel. 11166 70202 45173 17073 02339	FSK 200/5100	(AB)
F06	10225	21-12	0030	Tue	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB)
F06	9137	21-12	0040	Tue	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB)
F06	8081	21-12	0050	Tue	Russian diplo/intel. Too weak to decode	FSK 200/1000	(AB)
F06	11046	21-12	0700	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	9065	21-12	0710	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	7479	21-12	0720	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	9178	21-12	1200	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	7624	21-12	1210	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	5789	21-12	1220	Tue	Russian diplo/intel. 11166 70202 17564 20074 02459 and 11166 70202 64841 20075 01159	FSK 200/1000	(AB)
F06	9313	21-12	1650	Tue	Russian diplo/intel. 11166 10053 36925 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	7928	21-12	1700	Tue	Russian diplo/intel. 11166 10053 36925 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	6783	21-12	1710	Tue	Russian diplo/intel. 11166 10053 36925 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	20157	22-12	0600	Wed	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-KOR)
F06	18241	22-12	0610	Wed	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-J)
F06	16204	22-12	0620	Wed	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-J)
F06	11046	22-12	0700	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB)
F06	9065	22-12	0710	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB)
F06	7479	22-12	0720	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB)
F06	19851	22-12	0900	Wed	Russian diplo/intel. Damaged waveform. Undecodable	FSK 200/1000	(AB)
F06	17464	22-12	0910	Wed	Russian diplo/intel. Damaged waveform. Undecodable	FSK 200/1000	(AB)
F06	15609	22-12	0920	Wed	Russian diplo/intel. Damaged waveform. Undecodable	FSK 200/1000	(AB)
F06	13921	22-12	1100	Wed	Russian diplo/intel. 11100 00000 14368 21081 03199	FSK 200/1000	(AB)
F06	12122	22-12	1110	Wed	Russian diplo/intel. 11100 00000 14368 21081 03199	FSK 200/1000	(AB)
F06	10271	22-12	1120	Wed	Russian diplo/intel. 11100 00000 14368 21081 03199	FSK 200/1000	(AB)
F06	9178	22-12	1200	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB/MPJ)
F06	7624	22-12	1210	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB/MPJ)
F06	5789	22-12	1220	Wed	Russian diplo/intel. 11166 70202 93457 21076 02459	FSK 200/1000	(AB/MPJ)
F06	20157	23-12	0600	Thu	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-KOR)
F06	18241	23-12	0610	Thu	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-J)

F06	16204	23-12	0620	Thu	Russian diplo/intel. 11166 40122 16538 18079 03559	FSK 200/1000	(AB-J)
F06	11046	23-12	0700	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	9065	23-12	0710	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	7479	23-12	0720	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	19851	23-12	0900	Thu	Russian diplo/intel. 11166 00052 78541 22099 02529	FSK 200/1000	(AB)
F06	17464	23-12	0910	Thu	Russian diplo/intel. 11166 00052 78541 22099 02529	FSK 200/1000	(AB)
F06	15609	23-12	0920	Thu	Russian diplo/intel. 11166 00052 78541 22099 02529	FSK 200/1000	(AB)
F06	9178	23-12	1200	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	7624	23-12	1210	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	5789	23-12	1220	Thu	Russian diplo/intel. 11166 70202 23518 22077 02479 and 11166 70202 24685 22078 01179	FSK 200/1000	(AB)
F06	10968	23-12	1330	Thu	Russian diplo/intel. 11166 80214 59731 23026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	23-12	1340	Thu	Russian diplo/intel. 11166 80214 59731 23026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	23-12	1350	Thu	Russian diplo/intel. 11166 80214 59731 23026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	24-12	0700	Fri	Russian diplo/intel. 11166 70202 46821 24015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	24-12	0710	Fri	Russian diplo/intel. 11166 70202 46821 24015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7479	24-12	0720	Fri	Russian diplo/intel. 11166 70202 46821 24015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9416	26-12	1530	Sun	Russian diplo/intel. 11166 10053 75324 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7836	26-12	1540	Sun	Russian diplo/intel. 11166 10053 75324 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6785	26-12	1550	Sun	Russian diplo/intel. 11166 10053 75324 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	27-12	0700	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/1000	(AB)
F06	9065	27-12	0710	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/1000	(AB)
F06	7479	27-12	0720	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/1000	(AB)
F06	9178	27-12	1200	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/1000	(AB)
F06	7624	27-12	1210	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/1000	(AB)
F06	5789	27-12	1220	Mon	Russian diplo/intel. 11166 70202 46823 24079 02559	FSK 200/5100	(AB)
F06	10225	28-12	0030	Tue	Russian diplo/intel. 11166 60070 59761 28024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9137	28-12	0040	Tue	Russian diplo/intel. 11166 60070 59761 28024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8081	28-12	0050	Tue	Russian diplo/intel. 11166 60070 59761 28024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	28-12	0700	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	9065	28-12	0710	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	7479	28-12	0720	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	9178	28-12	1200	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	7624	28-12	1210	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	5789	28-12	1220	Tue	Russian diplo/intel. 11166 70202 46791 27080 02239 and 11166 70202 24519 27081 01779	FSK 200/1000	(AB)
F06	9313	28-12	1650	Tue	Russian diplo/intel. 11166 10053 89574 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	7928	28-12	1700	Tue	Russian diplo/intel. 11166 10053 89574 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ/RL-HOL)
F06	6783	28-12	1710	Tue	Russian diplo/intel. 11166 10053 89574 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20157	29-12	0600	Wed	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-KOR)
F06	18241	29-12	0610	Wed	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-J)
F06	16204	29-12	0620	Wed	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-J)
F06	11046	29-12	0700	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB)
F06	9065	29-12	0710	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB)

F06	7479	29-12	0720	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB)
F06	13921	29-12	1100	Wed	Russian diplo/intel. 11100 00000 37529 28083 03319	FSK 200/1000	(AB)
F06	12122	29-12	1110	Wed	Russian diplo/intel. 11100 00000 37529 28083 03319	FSK 200/1000	(AB)
F06	10271	29-12	1120	Wed	Russian diplo/intel. 11100 00000 37529 28083 03319	FSK 200/1000	(AB)
F06	9178	29-12	1200	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB/MPJ)
F06	7624	29-12	1210	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB/MPJ)
F06	5789	29-12	1220	Wed	Russian diplo/intel. 11166 70202 84923 28082 02599	FSK 200/1000	(AB/MPJ)
F06	20157	30-12	0600	Thu	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-J)
F06	18241	30-12	0610	Thu	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-J)
F06	16204	30-12	0620	Thu	Russian diplo/intel. 11166 40122 06582 25080 02349 and 11166 40122 36952 25081 02869	FSK 200/1000	(AB-J)
F06	11046	30-12	0700	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	9065	30-12	0710	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	7479	30-12	0720	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	9178	30-12	1200	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	7624	30-12	1210	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	5789	30-12	1220	Thu	Russian diplo/intel. 11166 70202 74125 28083 02199 and 11166 70202 79462 28084 01799	FSK 200/1000	(AB)
F06	10968	30-12	1330	Thu	Russian diplo/intel. 11166 80214 46823 30085 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	30-12	1340	Thu	Russian diplo/intel. 11166 80214 46823 30085 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	30-12	1350	Thu	Russian diplo/intel. 11166 80214 46823 30085 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	31-12	0700	Fri	Russian diplo/intel. 11166 70202 63514 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	31-12	0710	Fri	Russian diplo/intel. 11166 70202 63514 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7479	31-12	0720	Fri	Russian diplo/intel. 11166 70202 63514 31057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	5185	2-12	0500	Thu	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	4835	2-12	0515	Thu	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	3796	2-12	0530	Thu	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	13377	2-12	0910	Thu	Russian diplo/intel. File 00129	FSK 200/1000	(PY)
F06a	12213	2-12	0920	Thu	Russian diplo/intel. File 00129	FSK 200/1000	(PY)
F06a	3889	2-12	1700	Thu	Russian diplo/intel. File 44481	FSK 200/1000	(AB)
F06a	3744	2-12	1710	Thu	Russian diplo/intel. File 44481	FSK 200/1000	(AB)
F06a	3542	2-12	1720	Thu	Russian diplo/intel. File 44481	FSK 200/1000	(AB)
F06a	5185	3-12	0500	Fri	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	4835	3-12	0515	Fri	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	3796	3-12	0530	Fri	Russian diplo/intel. File 44404	FSK 200/1000	(AB)
F06a	18589	4-12	1500	Sat	Russian diplo/intel. File 04497	FSK 200/1000	(MPJ)
F06a	16248	4-12	1515	Sat	Russian diplo/intel. File 04497	FSK 200/1000	(MPJ)
F06a	14877	4-12	1530	Sat	Russian diplo/intel. File 04497	FSK 200/1000	(MPJ)
F06a	18589	5-12	1500	Sun	Russian diplo/intel. File 04497	FSK 200/1000	(AB)
F06a	16248	5-12	1515	Sun	Russian diplo/intel. File 04497	FSK 200/1000	(AB)
F06a	14877	5-12	1530	Sun	Russian diplo/intel. File 04497	FSK 200/1000	(AB)
F06a	13956	6-12	0905	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB)
F06a	13377	6-12	0915	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB)
F06a	12213	6-12	0925	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB)

F06a	3889	6-12	1700	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB/MPJ)
F06a	3744	6-12	1710	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB/MPJ)
F06a	3542	6-12	1720	Mon	Russian diplo/intel. File 44493	FSK 200/1000	(AB/MPJ)
F06a	5185	9-12	0500	Thu	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	4835	9-12	0515	Thu	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	3796	9-12	0530	Thu	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	9101	9-12	0610	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	9944	9-12	0620	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	10831	9-12	0630	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	10817	9-12	0830	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	12087	9-12	0840	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	12218	9-12	0850	Thu	Russian diplo/intel. File 44406	FSK 200/1000	(AB)
F06a	12176	9-12	1100	Thu	Russian diplo/intel. File 44409	FSK 200/1000	(AB)
F06a	11053	9-12	1110	Thu	Russian diplo/intel. File 44409	FSK 200/1000	(AB)
F06a	9963	9-12	1120	Thu	Russian diplo/intel. File 44409	FSK 200/1000	(AB)
F06a	5185	10-12	0500	Fri	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	4835	10-12	0515	Fri	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	3796	10-12	0530	Fri	Russian diplo/intel. File 44405	FSK 200/1000	(AB)
F06a	18589	11-12	1500	Sat	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	16248	11-12	1515	Sat	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	14877	11-12	1530	Sat	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	18589	12-12	1500	Sun	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	16248	12-12	1515	Sun	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	14877	12-12	1530	Sun	Russian diplo/intel. File 04498	FSK 200/1000	(AB/MPJ)
F06a	13956	13-12	0905	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB)
F06a	13377	13-12	0915	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB)
F06a	12213	13-12	0925	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB)
F06a	3889	13-12	1700	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB/MPJ)
F06a	3744	13-12	1710	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB/MPJ)
F06a	3542	13-12	1720	Mon	Russian diplo/intel. File 44423 header 44400 00000 97452 10023 00009	FSK 200/1000	(AB/MPJ)
F06a	6792	15-12	1410	Wed	Russian diplo/intel. File 44411	FSK 200/1000	(AB)
F06a	5185	16-12	0500	Thu	Russian diplo/intel. File 04406	FSK 200/1000	(AB)
F06a	4835	16-12	0515	Thu	Russian diplo/intel. File 04406	FSK 200/1000	(AB)
F06a	3796	16-12	0530	Thu	Russian diplo/intel. File 04466	FSK 200/1000	(AB)
F06a	9064	16-12	0920	Thu	Russian diplo/intel. File 00005000.tlg Header: 44400 60993 34534 16005 00000	FSK 200/1000	(AB)
F06a	6792	16-12	0930	Thu	Russian diplo/intel. File 00005000.tlg Header: 44400 60993 34534 16005 00000	FSK 200/1000	(AB)
F06a	4565	16-12	0940	Thu	Russian diplo/intel. File 00005000.tlg Header: 44400 60993 34534 16005 00000	FSK 200/1000	(AB)
F06a	9067	16-12	1420	Thu	Russian diplo/intel. File 40450	FSK 200/1000	(AB)
F06a	6791	16-12	1430	Thu	Russian diplo/intel. File 40450	FSK 200/1000	(AB)
F06a	5185	17-12	0500	Fri	Russian diplo/intel. File 04406	FSK 200/1000	(AB)
F06a	4835	17-12	0515	Fri	Russian diplo/intel. File 04406	FSK 200/1000	(AB)
F06a	3796	17-12	0530	Fri	Russian diplo/intel. File 04406	FSK 200/1000	(AB)

F06a	18589	18-12	1500	Sat	Russian diplo/intel. File 04499	FSK 200/1000	(AB-RUS.MPJ)
F06a	16248	18-12	1515	Sat	Russian diplo/intel. File 04499	FSK 200/1000	(AB-RUS/MPJ)
F06a	14877	18-12	1530	Sat	Russian diplo/intel. File 04499	FSK 200/1000	(AB-RUS/MPJ)
F06a	18589	19-12	1500	Sun	Russian diplo/intel. File 04499	FSK 200/1000	(AB-RUS)
F06a	16248	19-12	1515	Sun	Russian diplo/intel. File 04499	FSK 200/1000	(MPJ)
F06a	14877	19-12	1530	Sun	Russian diplo/intel. File 04499	FSK 200/1000	(MPJ)
F06a	5185	23-12	0500	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	4835	23-12	0515	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	3796	23-12	0530	Thu	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	5185	24-12	0500	Fri	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	4835	24-12	0515	Fri	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	3796	24-12	0530	Fri	Russian diplo/intel. File 44407	FSK 200/1000	(AB)
F06a	18589	25-12	1500	Sat	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	16248	25-12	1515	Sat	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	14877	25-12	1530	Sat	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	18589	26-12	1500	Sun	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	16248	26-12	1515	Sun	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	14877	26-12	1530	Sun	Russian diplo/intel. File 04401	FSK 200/1000	(AB-RUS)
F06a	5185	30-12	0500	Thu	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
F06a	4835	30-12	0515	Thu	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
F06a	3796	30-12	0530	Thu	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
F06a	5185	31-12	0500	Fri	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
F06a	4835	31-12	0515	Fri	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
F06a	3796	31-12	0530	Fri	Russian diplo/intel. File 44408	FSK 200/1000	(AB)
G06	11073	5-12	1222	Sun	352 968 20 83362 63371 38776 ... 04215 52502 04038 968 20 352 147 30 88609 20855 34428 ... 28273 26517 98452 147 30 00000	USB	(linkz/T101)
G06b	10755	13-12	1310	Mon	975 45218 125 30 56511 53052 06895 27520 ... 59190 20416 07866 125 30 00000	USB	(AB/T101)
HM01	11435	1-12	1630	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	2-12	1630	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	3-12	1700	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	4-12	1600	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	5-12	1630	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	9155	6-12	0658	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	6-12	1603	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	7-12	1603	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	8-12	1625	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	9-12	1658	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	17480	9-12	2157	Thu	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	10-12	1600	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	11-12	1700	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11635	12-12	2058	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	13-12	1603	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)

HM01	11435	14-12	1633	Tue	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11530	14-12	1656	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	17480	14-12	2156	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	15-12	1605	Wed	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA/RR2)
HM01	11530	16-12	1655	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	16-12	2059	Thu	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RL)
HM01	11435	17-12	1654	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09) Should be on 11530 kHz. Switched at 1657 UTC	AM/RDFT	(RR2)
HM01	11530	17-12	1658	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	10715	17-12	2230	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	18-12	1625	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	19-12	1600	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	9155	20-12	0954	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11435	20-12	1556	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	21-12	1628	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	22-12	1553	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	23-12	1703	Thu	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	9065	24-12	0758	Fri	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11435	24-12	1600	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	24-12	1624	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	25-12	1628	Sat	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	26-12	1624	Sun	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	27-12	1600	Mon	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11435	28-12	1600	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	28-12	2054	Tue	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11435	29-12	1654	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09) switched to 11530 kHz at 1657z	AM/RDFT	(AB-USA)
HM01	11530	29-12	1657	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11435	29-12	1600	Wed	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	11530	30-12	1654	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
HM01	11530	30-12	1730	Thu	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	16180	31-12	2100	Fri	10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(RR2)
HM01	9065	31-12	0757	Fri	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	9240	31-12	0857	Fri	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB)
HM01	11435	31-12	1635	Fri	i.p. 10784 32433 27523 53823 47472 22442 (repeat of 23-09)	AM/RDFT	(AB-USA)
M01	5320	2-12	1800	Thu	197: Active but mostly unreadable	CW	(MPJ)
M01	5810	4-12	1500	Sat	197 461 461 30 30 = = 36148 73591 09031 ... 83714 58014 53197 = = 461 461 30 30 000	CW	(MPJ)
M01	5465	5-12	0700	Sun	197 494 494 30 30 = = 98473 38463 27364 ... 27354 46352 18098 = = 494 494 30 30 000	CW	(AB/Anon)
M01	5320	7-12	1800	Tue	197 735 735 30 30 = = 45673 65487 17936 79362 97108 76294 ...	CW	(AB-G/MPJ-AUT)
M01	5320	9-12	1800	Thu	197 372 372 30 30 = = 43527 87291 98273 ... 23198 12387 52982 = = 372 372 30 30 000	CW	(AB-FIN)
M01	4490	9-12	2000	Thu	197 451 451 30 30 54182 62817 98016 ... 27651 87212 09123 = = 451 451 30 30 000	CW	(AB)
M01	5810	11-12	1500	Sat	197 835 835 30 30 = = 73529 63810 75849 ... 64037 32856 70371 = = 835 835 30 30 000	CW	(MPJ)

M01	5465	12-12	0700	Sun	197 357 357 30 30 = = 84635 51958 54389 ... 75849 63810 73529 = = 357 357 30 30 00000	CW	(AB/Anon)
M01	5320	14-12	1800	Tue	197 654 654 30 30 = = 54365 76756 18099 24315 09087 = = 654 654 30 30 0 ...	CW	(MPJ)
M01	4490	14-12	2000	Tue	197 706 706 30 30 = = 45365 78679 14235 ... 36527 50989 58790 = = 706 706 30 30 000	CW	(AB)
M01	5320	16-12	1800	Thu	197 ... too weak to copy	CW	(HFD-FIN)
M01	4490	16-12	2000	Thu	197 105 105 30 30 = = 37654 80977 36789 ... 34567 87766 01234 = = 105 105 30 30 000	CW	(AB)
M01	5810	18-12	1500	Sat	197 421 421 30 30 = = 37492 63805 81341 ... 48871 30379 395141 951 25267 2567 = = 42 21 30 30 000 (as sent !)	CW	(MPJ)
M01	5465	19-12	0700	Sun	197 548 548 30 30 = = 37492 63805 81341 ... 30379 95141 25267 = = 548 548 30 30 000	CW	(AB)
M01	5320	21-12	1800	Tue	197 753 753 30 30 = = 62119 63712 28723 09123 54176 25341 ...	CW	(AB/MPJ)
M01	4490	21-12	2000	Tue	197 202 302 30 30 = = 71234 87123 09123 51631 98176 ...	CW	(AB)
M01	4490	23-12	2000	Thu	197 ... too weak to copy	CW	(AB)
M01	5810	25-12	1500	Sat	197 302 302 30 30 = = 71234 87123 09123 ... 19824 16523 10982 302 302 30 30 = = 000	CW	(AB)
M01	5465	26-12	0700	Sun	197 753 753 30 30 = = 62192 63712 18723 ... 75849 52187 01532 = = 753 753 30 30 000	CW	(AB/Anon)
M01	4490	28-12	2000	Tue	197 452 452 30 30 = = 18721 19827 82745 ... 29817 29820 20918 452 452 30 30 = = 000	CW	(AB)
M01	5320	30-12	1800	Thu	197 231 231 30 30 = = 45365 76879 0 76879 08098 ... 48769 44766 53465 = = 231 231 30 30 000	CW	(MPJ-AUT)
M01	4490	30-12	2000	Thu	197 365 365 30 30 = = 46537 86787 96231 ... 11879 57687 90899 = = 365 365 30 30 000	CW	(AB)
M01a	6792	16-12	1238	Thu	729 729 729 28844 28844 (R) 111 111 000	CW	(AB)
M01a	3510	16-12	1755	Thu	246 246 246 95456 95456. 111 96166 96166. 246 246 246 333 95379 95379. 111 999 864 30 = 28406 75975 40753 ... 78192 63253 09321 = 864 30 111 000	CW	(AB)
M12	16234	1-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	1-12	0820	Wed	242 242 242 000	CW	(AB)
M12	12162	1-12	1710	Wed	546 546 546 1 4956 112 4956 112 82853 56603 36314 ... 59024 91330 58130 000 000	CW	(AB-RUS)
M12	11566	1-12	1730	Wed	546 546 546 1 4956 112 4956 112 82853 56603 36314 ... 59024 91330 58130 000 000	CW	(AB-RUS)
M12	10711	1-12	1750	Wed	546 546 546 1 4956 112 4956 112 82853 56603 36314 ... 59024 91330 58130 000 000	CW	(AB-RUS)
M12	6792	1-12	2000	Wed	780 780 780 1 ...	CW	(HFD)
M12	5892	1-12	2020	Wed	780 780 780 1 ...	CW	(HFD)
M12	5092	1-12	2040	Wed	780 780 780 1 ...	CW	(HFD)
M12	13386	2-12	1110	Thu	725 725 725 1 9016 96 9016 96 48408 80105 34857 ... 02290 44922 28376 000 000	CW	(AB)
M12	12189	2-12	1130	Thu	725 725 725 1 9016 96 9016 96 48408 80105 34857 ... 02290 44922 28376 000 000	CW	(AB)
M12	11491	2-12	1150	Thu	725 725 725 1 9016 96 9016 96 48408 80105 34857 ... 02290 44922 28376 000 000	CW	(AB)
M12	15909	2-12	1400	Thu	969 969 969 1 1121 93 1121 93 63017 95467 58743 ... 83365 32899 53549 000 000	CW	(AB)
M12	14609	2-12	1420	Thu	969 969 969 1 1121 93 1121 93 63017 95467 58743 ... 83365 32899 53549 000 000	CW	(AB)
M12	13909	2-12	1440	Thu	969 969 969 1 1121 93 1121 93 63017 95467 58743 ... 83365 32899 53549 000 000	CW	(AB/MPJ)
M12	12162	2-12	1700	Thu	546 546 546 1 8617 110 8617 110 69413 36901 76302 ... 99851 00970 24763 000 000	CW	(AB-RUS)
M12	11566	2-12	1720	Thu	546 546 546 1 8617 110 8617 110 69413 36901 76302 ... 99851 00970 24763 000 000	CW	(AB-ROU)
M12	10711	2-12	1740	Thu	546 546 546 1 8617 110 8617 110 69413 36901 76302 ... 99851 00970 24763 000 000	CW	(AB-RUS)
M12	12162	2-12	1800	Thu	546 546 546 1 6512 113 6512 113 59702 10482 90617 ... 95144 40805 67639 000 000	CW	(AB-RUS)
M12	11566	2-12	1820	Thu	546 546 546 1 6512 113 6512 113 59702 10482 90617 ... 95144 40805 67639 000 000	CW	(AB-CYP)
M12	10711	2-12	1840	Thu	546 546 546 1 6512 113 6512 113 59702 10482 90617 ... 95144 40805 67639 000 000	CW	(AB-CYP)
M12	14377	2-12	2000	Thu	317 317 317 1 6201 106 6201 106 70045 89300 65518 ... 60610 41161 49620 000 000	CW	(AB)
M12	13461	2-12	2020	Thu	317 317 317 1 6201 106 6201 106 70045 89300 65518 ... 60610 41161 49620 000 000	CW	(AB)
M12	12114	2-12	2040	Thu	317 317 317 1 6201 106 6201 106 70045 89300 65518 ... 60610 41161 49620 000 000	CW	(AB)

M12	6937	2-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	2-12	2230	Thu	975 975 975 000	CW	(AB)
M12	9134	2-12	2300	Thu	457 457 457 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB/HFD)
M12	8134	2-12	2320	Thu	457 457 457 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB/HFD)
M12	7534	2-12	2340	Thu	457 457 457 1 739 96 739 96 07751 72736 27810 ... 71571 45547 45824 000 000	CW	(AB/HFD)
M12	6832	3-12	0030	Fri	851 851 851 000	CW	(AB)
M12	7532	3-12	0050	Fri	851 851 851 000	CW	(AB)
M12	6792	3-12	2000	Fri	780 780 780 1 2882 69 2882 69 22577 52272 76763 ... 14216 94987 78560 000 000	CW	(AB)
M12	5892	3-12	2020	Fri	780 780 780 1 2882 69 2882 69 22577 52272 76763 ... 14216 94987 78560 000 000	CW	(AB)
M12	5092	3-12	2040	Fri	780 780 780 1 2882 69 2882 69 22577 52272 76763 ... 14216 94987 78560 000 000	CW	(AB)
M12	5832	3-12	2200	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	6832	3-12	2220	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	7732	3-12	2240	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	5832	4-12	2200	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB/HFD)
M12	6832	4-12	2220	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB/HFD)
M12	7732	4-12	2240	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB/HFD)
M12	16234	5-12	0800	Sun	242 242 242 000	CW	(AB/HFD)
M12	17434	5-12	0820	Sun	242 242 242 000	CW	(AB/HFD)
M12	14377	6-12	1130	Mon	317 317 317 1 2664 93 2664 93 43983 19209 22099 ... 72986 14587 93070 000 000	CW	(AB/MPJ)
M12	13461	6-12	1150	Mon	317 317 317 1 2664 93 2664 93 43983 19209 22099 ... 72986 14587 93070 000 000	CW	(AB/MPJ)
M12	12114	6-12	1210	Mon	317 317 317 1 2664 93 2664 93 43983 19209 22099 ... 72986 14587 93070 000 000	CW	(AB/MPJ)
M12	15909	6-12	1400	Mon	969 969 969 000	CW	(AB/MPJ/HFD)
M12	14609	6-12	1420	Mon	969 969 969 000	CW	(AB/MPJ/HFD)
M12	6937	6-12	2210	Mon	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	5737	6-12	2230	Mon	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	4537	6-12	2250	Mon	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	6832	7-12	0030	Tue	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB)
M12	7532	7-12	0050	Tue	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB)
M12	8132	7-12	0110	Tue	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB)
M12	9317	7-12	0530	Tue	135 135 135 1 4571 106 4571 106 25551 47710 61573 ... 10416 83475 05536 000 000	CW	(AB)
M12	10484	7-12	0550	Tue	135 135 135 1 4571 106 4571 106 25551 47710 61573 ... 10416 83475 05536 000 000	CW	(AB-RUS)
M12	11552	7-12	0610	Tue	135 135 135 1 4571 106 4571 106 25551 47710 61573 ... 10416 83475 05536 000 000	CW	(AB)
M12	16234	8-12	0800	Wed	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	17434	8-12	0820	Wed	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	18234	8-12	0840	Wed	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	12162	8-12	1710	Wed	546 546 546 1 6961 104 6961 104 86321 29468 92897 ... 75544 86397 16306 000 000	CW	(AB-RUS/MPJ)
M12	11566	8-12	1730	Wed	546 546 546 1 6961 104 6961 104 86321 29468 92897 ... 75544 86397 16306 000 000	CW	(AB-RUS/MPJ)
M12	10711	8-12	1750	Wed	546 546 546 1 6961 104 6961 104 86321 29468 92897 ... 75544 86397 16306 000 000	CW	(AB-RUS/MPJ)
M12	6792	8-12	2000	Wed	780 780 780 000	CW	(AB/RL-HOL)
M12	5892	8-12	2020	Wed	780 780 780 000	CW	(AB/RL-HOL)
M12	9379	9-12	0110	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	8179	9-12	0130	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)

M12	7479	9-12	0150	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	13386	9-12	1110	Thu	725 725 725 1 4136 91 4136 91 79454 92273 88906 ... 00396 63621 75805 000 000	CW	(AB)
M12	12189	9-12	1130	Thu	725 725 725 1 4136 91 4136 91 79454 92273 88906 ... 00396 63621 75805 000 000	CW	(AB)
M12	11491	9-12	1150	Thu	725 725 725 1 4136 91 4136 91 79454 92273 88906 ... 00396 63621 75805 000 000	CW	(AB/RL-HOL)
M12	15909	9-12	1400	Thu	969 969 969 000	CW	(AB/MPJ/RL-HOL)
M12	14609	9-12	1420	Thu	969 969 969 000	CW	(AB/MPJ)
M12	12162	9-12	1700	Thu	546 546 546 1 3497 108 3497 108 44096 91580 48486 ... 42524 99234 11741 000 000	CW	(AB-RUS)
M12	11566	9-12	1720	Thu	546 546 546 1 3497 108 3497 108 44096 91580 48486 ... 42524 99234 11741 000 000	CW	(AB-RUS)
M12	10711	9-12	1740	Thu	546 546 546 1 3497 108 3497 108 44096 91580 48486 ... 42524 99234 11741 000 000	CW	(AB-RUS)
M12	12162	9-12	1800	Thu	546 546 546 1 2174 107 2174 107 48583 04444 60154 ... 77384 53375 43936 000 000	CW	(AB-RUS)
M12	11566	9-12	1820	Thu	546 546 546 1 2174 107 2174 107 48583 04444 60154 ... 77384 53375 43936 000 000	CW	(AB-RUS)
M12	10711	9-12	1840	Thu	546 546 546 1 2174 107 2174 107 48583 04444 60154 ... 77384 53375 43936 000 000	CW	(AB-RUS)
M12	14377	9-12	2000	Thu	317 317 317 1 547 108 547 108 20778 37621 35574 ... 80412 05242 62407 000 000	CW	(AB)
M12	13461	9-12	2020	Thu	317 317 317 1 547 108 547 108 20778 37621 35574 ... 80412 05242 62407 000 000	CW	(AB)
M12	12114	9-12	2040	Thu	317 317 317 1 547 108 547 108 20778 37621 35574 ... 80412 05242 62407 000 000	CW	(AB)
M12	6937	9-12	2210	Thu	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	5737	9-12	2230	Thu	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	4537	9-12	2250	Thu	975 975 975 1 5227 56 5227 56 56252 94793 26785 ... 52129 77699 28415 000 000	CW	(AB)
M12	9134	9-12	2300	Thu	457 457 457 1 8943 83 8943 83 37959 54289 61819 ... 23027 24532 27046 000 000	CW	(AB/RL)
M12	8134	9-12	2320	Thu	457 457 457 1 8943 83 8943 83 37959 54289 61819 ... 23027 24532 27046 000 000	CW	(AB/RL)
M12	7534	9-12	2340	Thu	457 457 457 1 8943 83 8943 83 37959 54289 61819 ... 23027 24532 27046 000 000	CW	(AB/RL)
M12	6832	10-12	0030	Fri	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB/HFD)
M12	7532	10-12	0050	Fri	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB/HFD)
M12	8132	10-12	0110	Fri	851 851 851 1 9146 125 9146 125 40177 77699 69511 ... 47138 87041 22546 000 000	CW	(AB/HFD)
M12	6792	10-12	2000	Fri	780 780 780 000	CW	(AB)
M12	5892	10-12	2020	Fri	780 780 780 000	CW	(AB)
M12	5832	10-12	2200	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	6832	10-12	2220	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	7732	10-12	2240	Fri	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	11435	11-12	1800	Sat	938 938 938 1 5519 73 5519 73 06818 11250 44085 ... 56773 48604 94381 000 000	CW	(AB-RUS/MPJ-RUS)
M12	10598	11-12	1820	Sat	938 938 938 1 5519 73 5519 73 06818 11250 44085 ... 56773 48604 94381 000 000	CW	(AB-RUS/MPJ-RUS)
M12	9327	11-12	1840	Sat	938 938 938 1 5519 73 5519 73 06818 11250 44085 ... 56773 48604 94381 000 000	CW	(AB-RUS/MPJ-RUS)
M12	5832	11-12	2200	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	6832	11-12	2220	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	7732	11-12	2240	Sat	887 887 887 1 6107 86 6107 86 87707 48757 66736 ... 53546 91442 15434 000 000	CW	(AB)
M12	9379	12-12	0110	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB/HFD)
M12	8179	12-12	0130	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB/HFD)
M12	7479	12-12	0150	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB/HFD)

M12	16234	12-12	0800	Sun	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	17434	12-12	0820	Sun	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	18234	12-12	0840	Sun	242 242 242 1 2822 84 2822 84 61051 59101 45873 ... 45273 53109 37961 000 000	CW	(AB)
M12	14377	13-12	1130	Mon	317 317 317 1 9073 96 9073 96 27649 65235 20934 ... 07401 44090 69802 000 000	CW	(AB/MPJ)
M12	13461	13-12	1150	Mon	317 317 317 1 9073 96 9073 96 27649 65235 20934 ... 07401 44090 69802 000 000	CW	(AB/MPJ)
M12	12114	13-12	1210	Mon	317 317 317 1 9073 96 9073 96 27649 65235 20934 ... 07401 44090 69802 000 000	CW	(AB/MPJ)
M12	15909	13-12	1400	Mon	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	14609	13-12	1420	Mon	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	13909	13-12	1440	Mon	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	6937	13-12	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	13-12	2230	Mon	975 975 975 000	CW	(AB)
M12	9134	13-12	2300	Mon	457 457 457 000	CW	(AB)
M12	8134	13-12	2320	Mon	457 457 457 000	CW	(AB)
M12	6832	14-12	0030	Tue	851 851 851 000	CW	(AB)
M12	7532	14-12	0050	Tue	851 851 851 000	CW	(AB)
M12	16234	15-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	15-12	0820	Wed	242 242 242 000	CW	(AB)
M12	6792	15-12	2000	Wed	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB/RL-HOL)
M12	5892	15-12	2020	Wed	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB/RL-HOL)
M12	5092	15-12	2040	Wed	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB/RL-HOL)
M12	9379	16-12	0110	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	8179	16-12	0130	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	7479	16-12	0150	Thu	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	13386	16-12	1110	Thu	725 725 725 1 5800 92 5800 92 29692 38805 82098 ... 46429 72468 86304 000 000	CW	(AB)
M12	12189	16-12	1130	Thu	725 725 725 1 5800 92 5800 92 29692 38805 82098 ... 46429 72468 86304 000 000	CW	(AB)
M12	11491	16-12	1150	Thu	725 725 725 1 5800 92 5800 92 29692 38805 82098 ... 46429 72468 86304 000 000	CW	(AB)
M12	15909	16-12	1400	Thu	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	14609	16-12	1420	Thu	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	13909	16-12	1440	Thu	969 969 969 1 509 83 509 83 63616 42247 52249 ... 45995 87156 79365 000 000	CW	(AB)
M12	6937	16-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	16-12	2230	Thu	975 975 975 000	CW	(AB/RL)
M12	9134	16-12	2300	Thu	457 457 457 000	CW	(AB/RL)
M12	8134	16-12	2320	Thu	457 457 457 000	CW	(AB/RL0
M12	6832	17-12	0030	Fri	851 851 851 000	CW	(AB)
M12	7532	17-12	0050	Fri	851 851 851 000	CW	(AB)
M12	6792	17-12	2000	Fri	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB)
M12	5892	17-12	2020	Fri	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB)
M12	5092	17-12	2040	Fri	780 780 780 1 660 81 660 81 06492 17636 07349 ... 18541 32985 17960 000 000	CW	(AB)
M12	5832	17-12	2200	Fri	887 887 887 000	CW	(AB/RL-HOL)
M12	6832	17-12	2220	Fri	887 887 887 000	CW	(AB/RL-HOL)
M12	11435	18-12	1800	Sat	938 938 938 1 2268 75 2268 75 06405 31068 25363 ... 77259 02060 33645 000 000	CW	(AB-RUS)
M12	10598	18-12	1820	Sat	938 938 938 1 2268 75 2268 75 06405 31068 25363 ... 77259 02060 33645 000 000	CW	(AB-RUS)

M12	9327	18-12	1840	Sat	938 938 938 1 2268 75 2268 75 06405 31068 25363 ... 77259 02060 33645 000 000	CW	(AB-RUS)
M12	5832	18-12	2200	Sat	887 887 887 000	CW	(AB)
M12	6832	18-12	2220	Sat	887 887 887 000	CW	(AB)
M12	9379	19-12	0110	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	8179	19-12	0130	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	7479	19-12	0150	Sun	314 314 314 1 4066 48 4066 48 65184 96216 76730 69152 ... 99237 14584 55920 000 000	CW	(AB)
M12	16234	19-12	0800	Sun	242 242 242 000	CW	(AB)
M12	17434	19-12	0820	Sun	242 242 242 000	CW	(AB)
M12	14377	20-12	1130	Mon	317 317 317 1 4875 92 4875 92 70435 29778 35764 ... 66749 21059 88898 000 000	CW	(AB)
M12	13461	20-12	1150	Mon	317 317 317 1 4875 92 4875 92 70435 29778 35764 ... 66749 21059 88898 000 000	CW	(AB)
M12	12114	20-12	1210	Mon	317 317 317 1 4875 92 4875 92 70435 29778 35764 ... 66749 21059 88898 000 000	CW	(AB)
M12	15909	20-12	1400	Mon	969 969 969 000	CW	(AB)
M12	14609	20-12	1420	Mon	969 969 969 000	CW	(AB)
M12	6937	20-12	2210	Mon	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	5737	20-12	2230	Mon	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	4537	20-12	2250	Mon	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	9134	20-12	2300	Mon	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	8134	20-12	2320	Mon	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	7534	20-12	2340	Mon	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	6832	21-12	0030	Tue	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)
M12	7532	21-12	0050	Tue	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)
M12	8132	21-12	0110	Tue	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)
M12	16234	22-12	0800	Wed	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	17434	22-12	0820	Wed	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	18234	22-12	0840	Wed	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	6792	22-12	2000	Wed	780 780 780 000	CW	(AB)
M12	5892	22-12	2020	Wed	780 780 780 000	CW	(AB)
M12	9379	23-12	0110	Thu	314 314 314 000	CW	(AB)
M12	8179	23-12	0130	Thu	314 314 314 000	CW	(AB)
M12	13386	23-12	1110	Thu	725 725 725 1 7900 99 7900 99 10098 18392 73440 ... 19032 81968 79509 000 000	CW	(AB/MPJ)
M12	12189	23-12	1130	Thu	725 725 725 1 7900 99 7900 99 10098 18392 73440 ... 19032 81968 79509 000 000	CW	(AB/MPJ)
M12	11491	23-12	1150	Thu	725 725 725 1 7900 99 7900 99 10098 18392 73440 ... 19032 81968 79509 000 000	CW	(AB/MPJ)
M12	15909	23-12	1400	Thu	969 969 969 000	CW	(AB)
M12	14609	23-12	1420	Thu	969 969 969 000	CW	(AB)
M12	6937	23-12	2210	Thu	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	5737	23-12	2230	Thu	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	4537	23-12	2250	Thu	975 975 975 1 148 67 148 67 02098 50761 92231 ... 59188 09983 18161 000 000	CW	(AB)
M12	9134	23-12	2300	Thu	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	8134	23-12	2320	Thu	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	7534	23-12	2340	Thu	457 457 457 1 6860 97 6860 97 29113 64690 45627 ... 21782 98628 03256 000 000	CW	(AB)
M12	6832	24-12	0030	Fri	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)
M12	7532	24-12	0050	Fri	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)

M12	8132	24-12	0110	Fri	851 851 851 1 8407 91 8407 91 75188 09345 90580 ... 82133 98508 09931 000 000	CW	(AB)
M12	6792	24-12	2000	Fri	780 780 780 000	CW	(AB)
M12	5892	24-12	2020	Fri	780 780 780 000	CW	(AB)
M12	5832	24-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	24-12	2220	Fri	887 887 887 000	CW	(AB)
M12	5832	25-12	2200	Sat	887 887 887 000	CW	(AB)
M12	6832	25-12	2220	Sat	887 887 887 000	CW	(AB)
M12	9379	26-12	0110	Sun	314 314 314 000	CW	(AB)
M12	8179	26-12	0130	Sun	314 314 314 000	CW	(AB)
M12	16234	26-12	0800	Sun	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	17434	26-12	0820	Sun	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	18234	26-12	0840	Sun	242 242 242 1 5661 77 5661 77 00614 20437 29135 ... 33422 99978 59633 000 000	CW	(AB)
M12	14377	27-12	1130	Mon	317 317 317 1 8155 96 8155 96 42670 16792 20520 ... 68962 25230 99283 000 000	CW	(AB)
M12	13461	27-12	1150	Mon	317 317 317 1 8155 96 8155 96 42670 16792 20520 ... 68962 25230 99283 000 000	CW	(AB)
M12	12114	27-12	1210	Mon	317 317 317 1 8155 96 8155 96 42670 16792 20520 ... 68962 25230 99283 000 000	CW	(AB)
M12	15909	27-12	1400	Mon	969 969 969 000	CW	(AB)
M12	14609	27-12	1420	Mon	969 969 969 000	CW	(AB)
M12	6937	27-12	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	27-12	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	9134	27-12	2300	Mon	457 457 457 000	CW	(AB/RL)
M12	8134	27-12	2320	Mon	457 457 457 000	CW	(AB/RL)
M12	6832	28-12	0030	Tue	851 851 851 000	CW	(AB)
M12	7532	28-12	0050	Tue	851 851 851 000	CW	(AB)
M12	16234	29-12	0800	Wed	242 242 242 000	CW	(AB)
M12	17434	29-12	0820	Wed	242 242 242 000	CW	(AB)
M12	6792	29-12	2000	Wed	780 780 780 000	CW	(AB)
M12	5892	29-12	2020	Wed	780 780 780 000	CW	(AB)
M12	9379	30-12	0110	Thu	314 314 314 000	CW	(AB)
M12	8179	30-12	0130	Thu	314 314 314 000	CW	(AB)
M12	13386	30-12	1110	Thu	725 725 725 1 396 99 3396 99 48380 69866 32067 ... 28863 86787 56418 000 000	CW	(AB)
M12	12189	30-12	1130	Thu	725 725 725 1 396 99 3396 99 48380 69866 32067 ... 28863 86787 56418 000 000	CW	(AB)
M12	11491	30-12	1150	Thu	725 725 725 1 396 99 3396 99 48380 69866 32067 ... 28863 86787 56418 000 000	CW	(AB)
M12	15909	30-12	1400	Thu	969 969 969 000	CW	(AB)
M12	14609	30-12	1420	Thu	969 969 969 000	CW	(AB)
M12	6937	30-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	30-12	2230	Thu	975 975 975 000	CW	(AB)
M12	9134	30-12	2300	Thu	457 457 457 000	CW	(AB)
M12	8134	30-12	2320	Thu	457 457 457 000	CW	(AB)
M12	14947	31-12	0010	Fri	941 941 941 000	CW	(HFD-J)
M12	6832	31-12	0030	Fri	851 851 851 000	CW	(AB)
M12	13447	31-12	0030	Fri	941 941 941 000	CW	(HFD-J)
M12	7532	31-12	0050	Fri	851 851 851 000	CW	(AB)

M12	6792	31-12	2000	Fri	780 780 780 000	CW	(AB)
M12	5892	31-12	2020	Fri	780 780 780 000	CW	(AB)
M12	5832	31-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	31-12	2220	Fri	887 887 887 000	CW	(AB)
M14	12211	1-12	0504	Wed	952 748 748 50 50 == 02690 06893 75881 ... 64119 58780 77546 == 748 748 50 50 00000 Late start	CW	(AB-J)
M14	10243	1-12	0520	Wed	952 748 748 50 50 == 02690 06893 75881 ... 64119 58780 77546 == 748 748 50 50 00000	CW	(AB-J)
M14	12211	2-12	0500	Thu	952 316 316 51 51 == 68149 43421 45329 ... 02668 92099 42975 == 316 316 51 51 00000	CW	(AB-J)
M14	10243	2-12	0520	Thu	952 316 316 51 51 == 68149 43421 45329 ... 02668 92099 42975 == 316 316 51 51 00000	CW	(AB-J)
M14	12211	3-12	0500	Fri	952 487 487 50 50 == 14853 38084 53480 ... 29167 75759 65730 == 487 487 50 50 00000	CW	(AB-J)
M14	10243	3-12	0520	Fri	952 487 487 50 50 == 14853 38084 53480 ... 29167 75759 65730 == 487 487 50 50 00000	CW	(AB-J)
M14	12211	6-12	0500	Mon	952 638 638 51 51 == 79424 36014 57548 ... 85453 91575 48749 == 638 638 51 51 00000	CW	(AB-J)
M14	10243	6-12	0520	Mon	952 638 638 51 51 == 79424 36014 57548 ... 85453 91575 48749 == 638 638 51 51 00000	CW	(AB-J)
M14	12211	7-12	0501	Tue	952 714 714 52 52 == 42311 44253 69141 ... 04651 64884 12677 == 714 714 52 52 00000	CW	(AB-J)
M14	10243	7-12	0520	Tue	952 714 714 52 52 == 42311 44253 69141 ... 04651 64884 12677 == 714 714 52 52 00000 Technical problem in the first minute	CW	(AB-J)
M14	12211	8-12	0500	Wed	952 836 836 54 54 == 98743 32759 58119 ... 55600 97936 38466 == 836 836 54 54 00000	CW	(AB-J)
M14	10243	8-12	0520	Wed	Technical problems. Some distorted morse bursts. Nothing after 0528z. No message	CW	(AB-J)
M14	6792	8-12	1400	Wed	910 635 635 41 41 == 23396 69325 12316 ... 69421 02568 98446 == 635 635 41 41 00000	CW	(AB)
M14	12211	9-12	0500	Thu	952 141 141 52 52 == 82873 18150 89217 ... 24495 20622 42095 == 141 140 52 52 00000	CW	(AB-J)
M14	10243	9-12	0520	Thu	952 141 141 52 52 == 82873 18150 89217 ... 24495 20622 42095 == 141 140 52 52 00000	CW	(AB-J)
M14	12211	10-12	0500	Fri	952 873 873 51 51 == 77007 67506 35835 ... 72471 96392 57254 == 873 873 51 51 00000	CW	(AB-J)
M14	10243	10-12	0520	Fri	952 873 873 51 51 == 77007 67506 35835 ... 72471 96392 57254 == 873 873 51 51 00000	CW	(AB-J)
M14	17458	10-12	0930	Fri	617 823 823 164 164 = 93749 10094 64289 ... 91112 89720 30796 == 823 823 164 164 00000	CW	(AB/PY/Anon)
M14	15994	11-12	0930	Sat	617 823 823 164 164 = 93749 10094 64289 ... 91112 89720 30796 == 823 823 164 164 00000	CW	(AB)
M14	12211	13-12	0500	Mon	952 604 604 50 50 == 57206 28807 68318 ... 95748 05139 52321 == 604 604 50 50 00000	CW	(AB-J)
M14	10243	13-12	0520	Mon	952 604 604 50 50 == 57206 28807 68318 ... 95748 05139 52321 == 604 604 50 50 00000	CW	(AB-J)
M14	12211	14-12	0500	Tue	952 178 178 52 52 == 49089 09076 50354 ... 68150 77626 21052 == 178 178 52 52 00000	CW	(AB-J)
M14	10243	14-12	0520	Tue	952 178 178 52 52 == 49089 09076 50354 ... 68150 77626 21052 == 178 178 52 52 00000	CW	(AB-J)
M14	10755	14-12	0830	Tue	975 123 123 60 60 == 59006 35382 42951 ... 73453 45903 14650 == 123 123 60 60 00000 rest-arts during the message	CW	(AB)
M14	12211	15-12	0500	Wed	952 636 636 51 51 == 56703 31466 50714 52763 ... 92811 76236 16847 50555 63411 = = 636 636 51 51 (no nulls)	FSK-CW	(AB-J)
M14	10243	15-12	0520	Wed	no transmission	FSK-CW	(AB-J)
M14	12211	16-12	0500	Thu	952 414 414 55 55 == 41015 47641 72836 ... 65587 89262 08246 == 414 44 55 55 00000	CW	(AB-J)
M14	10243	16-12	0520	Thu	952 414 414 55 55 == 41015 47641 72836 ... 65587 89262 08246 == 414 44 55 55 00000	CW	(AB-J)
M14	6792	16-12	0622	Thu	910 823 823 60 60 == 56742 37925 87978 ... 74273 57025 23434 = = 823 823 60 60 00000 Restart during the transmission	CW	(AB)
M14	12211	17-12	0500	Fri	952 373 373 51 51 == 81085 95909 25413 ... 11831 81099 88754 = = 373 373 51 51 00000	CW	(AB-J)
M14	10243	17-12	0520	Fri	952 373 373 51 51 == 81085 95909 25413 ... 11831 81099 88754 = = 373 373 51 51 00000 Breaks during the callup and group 46	CW	(AB-J)

M14	12211	20-12	0503	Mon	952 868 868 50 50 = = 72195 48147 15371 ... 29098 04086 08440 = = 868 868 50 50 00000 Late start. Hiccups during callup.	CW	(AB-J)
M14	10243	20-12	0520	Mon	952 868 868 50 50 = = 72195 48147 15371 ... 29098 04086 08440 = = 868 868 50 50 00000	CW	(AB-J)
M14	12211	21-12	0500	Tue	952 341 341 50 50 = = 45711 95239 38706 ... 59651 74068 05611 = = 341 341 50 50 00000	CW	(AB-J)
M14	10243	21-12	0520	Tue	952 341 341 50 50 = = 45711 95239 38706 ... 59651 74068 05611 = = 341 341 50 50 00000	CW	(AB-J)
M14	12211	22-12	0500	Wed	952 186 186 50 50 = = 51494 87201 93696 ... 16058 86663 92078 = = 186 186 50 50 00000	FSK-CW	(AB-J)
M14	12211	23-12	0500	Thu	952 743 743 58 58 = = 67523 87364 73784 ... 89164 45367 12674 = = 743 743 58 58 00000	CW	(AB-J)
M14	10243	23-12	0521	Thu	952 743 743 58 58 = = 67523 87364 73784 ... 89164 45367 12674 = = 743 743 58 58 00000 Late start. FSK-CW, switched to CW after 1,5 min.	CW	(AB-J)
M14	12211	24-12	0500	Fri	952 816 816 50 50 = = 86525 25799 63906 ... 09657 60302 06118 = = 816 816 50 50 00000	CW	(AB-J)
M14	10243	24-12	0520	Fri	952 816 816 50 50 = = 86525 25799 63906 ... 09657 60302 06118 = = 816 816 50 50 00000	CW	(AB-J)
M14	17458	25-12	0930	Sat	617 823 823 164 164 = 93749 10094 64289 ... 91112 89720 30796 = = 823 823 164 164 00000	CW	(AB)
M14	10755	25-12	1230	Sat	975 243 243 51 51 = = 08409 38080 36165 ... 86129 23433 79876 = = 243 243 51 51 00000 Two restarts during the message.	CW	(T101)
M14	15944	26-12	0930	Sun	617 823 823 164 164 = 93749 10094 64289 ... 91112 89720 30796 = = 823 823 164 164 00000	CW	(AB)
M14	12211	27-12	0503	Mon	952 434 434 57 57 = = 37320 13174 54880 ... 02886 01928 59204 = = 434 434 57 57 00000	CW	(AB-J)
M14	10243	27-12	0520	Mon	952 434 434 57 57 = = 37320 13174 54880 ... 02886 01928 59204 = = 434 434 57 57 00000	CW	(AB-J)
M14	12211	28-12	0500	Tue	952 434 434 57 57 = = 37320 13174 54880 ... 02886 01928 59204 = = 434 434 57 57 00000	CW	(AB-J)
M14	10243	28-12	0520	Tue	952 434 434 57 57 = = 37320 13174 54880 ... 02886 01928 59204 = = 434 434 57 57 00000 Hiccups and restarts during the first 3 minutes of the callup.	CW	(AB-J)
M14	12211	29-12	0500	Wed	952 863 863 51 51 = = 49939 84105 88680 ... 62567 39096 92038 = = 863 863 51 51 0000. Repeat of S06 at 0400/0420z	CW	(AB-KOR)
M14	10243	29-12	0521	Wed	952 863 863 51 51 = = 49939 84105 88680 ... 62567 39096 92038 = = 863 863 51 51 0000. Late start. Repeat of S06 at 0400/0420z	CW	(AB-J)
M14	12211	30-12	0500	Thu	952 874 874 51 51 = = 15287 11579 11364 ... 31603 66051 46988 = = 874 874 51 51 00000	CW	(AB-J)
M14	10243	30-12	0521	Thu	952 874 874 51 51 = = 15287 11579 11364 ... 31603 66051 46988 = = 874 874 51 51 00000	CW	(AB-J)
M21	4349.5	5-12	0933	Sun	=991233??0???? =991234??0???? =991235??0????	CW	(F5JBR-J)
M21	3616.5	16-12	0917	Thu	=991217??0???? =991218??0???? =991219??0????	CW	(F5JBR-J)
M21	6267	17-12	0858	Fri	=991158??8???? =991159??8???? =991200??8????	CW	(F5JBR-J)
M21	3751	19-12	1026	Sun	=99?13269???? =99?1328?9???? =99?1330?9????	CW	(F5JBR-J)
M21	4227	19-12	1039	Sun	=991339??8???? =991340??8???? =991340??8????	CW	(F5JBR-J)
M21	3670.5	19-12	1055	Sun	=991355??0???? =991356??0???? =991357??0????	CW	(F5JBR-J)
M21	4349.5	19-12	1144	Sun	=991444??0???? =991445??0???? =991446??0????	CW	(F5JBR-J)
M22	4331	12-12	1832	Sun	VVV DE 4XZ 4XZ = =	CW	(AB)
M23	7668	4-12	1500	Sat	SSS faded at 1635z	CW	(AB)
M23	7668	4-12	1640	Sat	SSS	CW	(Abder)
M32	3217	10-12	1950	Fri	DE 5DHN QTC 415 53 10 2248 416 = 150 = MMOSK ...	CW	(JPL-NOR)
M32a	8120	3-12	1155	Fri	Russian Navy RJH69 SK QYT4 SK RAA SK RJH69 SK	CW	(AB)
M42	14473	2-12	0735	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12161	2-12	1400	Thu	Russian intel.	Multi modes	(AB)
M42	18696	3-12	1210	Fri	Russian intel.	Mixed modes	(AB)

M42	12146	6-12	0845	Mon	Russian intel.	MFSK-66	(AB)
M42	13912	7-12	1100	Tue	Russian intel.	MFSK-11	(AB)
M42	12098	7-12	1110	Tue	Russian intel.	MFSK-11	(AB)
M42	11086	7-12	1120	Tue	Russian intel.	MFSK-11	(AB)
M42	5321	7-12	1710	Tue	Russian intel.	MFSK-11	(AB)
M42	12188	8-12	0850	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	14476	8-12	0930	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	14476	8-12	1020	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	13927	8-12	1210	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	13931	8-12	1210	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	12131	8-12	1220	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	14476	8-12	1220	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12165	8-12	1222	Wed	Russian intel.	Multi modes	(AB)
M42	13530	8-12	1240	Wed	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12159	9-12	0830	Thu	Russian intel.	MFSK-11	(AB)
M42	13931	10-12	1210	Fri	Russian intel.	8x62.5BdQPSK/250Bd BPSK	(AB)
M42	7952	12-12	0858	Sun	Russian embassy Lisbon wkg MFA Moscow	OFDM	(AB)
M42	9259	12-12	0858	Sun	MFA Moscow wkg Russian embassy Lisbon	OFDM	(AB)
M42	11070	14-12	0810	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	11070	14-12	0820	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	10960	14-12	0854	Tue	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	14854	15-12	1010	Wed	Russian intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	18193	15-12	1310	Wed	Russian intel.	OFDM	(AB)
M42	12165	16-12	0820	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12165	16-12	0840	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12188	16-12	1050	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	10960	16-12	1320	Thu	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12165	17-12	0820	Fri	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	12165	17-12	0835	Fri	Russian intel.	5x10Bd 16FSK/250Bd BPSK	(AB)
M42	22876	21-12	1140	Tue	Russian intel.	MFSK-11	(AB)
M42	22876	21-12	1145	Tue	Russian intel.	MFSK-11	(AB)

M42	22876	21-12	1155	Tue	Russian intel.	MFSK-11	(AB)
M42	22876	21-12	1205	Tue	Russian intel.	MFSK-11	(AB)
M42	11544	23-12	0805	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	6817	26-12	0830	Sun	G3WM QTC1 K CFM SLD K 049 101 26 0800 1004 = 88172 47199 26462 ... 21234 12123 =100= 54673 -0835	CW + FSK 50/500	(AB)
M42	5412	26-12	1640	Sun	Russian intel.	10Bd 16FSK/250Bd BPSK	(AB)
M42	13382	27-12	0945	Mon	Russian intel.	MFSK-66	(AB)
M42	17468	27-12	1011	Mon	Russian intel.	MFSK-66	(AB)
M42b	6817	27-12	0830	Mon	P8RK P8RK P8RK DE GT4K GT4K 943 160 27 0800 6381= 80099 78635 79420 ... 80980 60631 18053 -0834 CFM NIL QRU? K NIL K SK SK	CW + FSK 50/500	(AB)
M51a	3881	26-12	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	6825	26-12	0920	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by two messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	3881	17-12	2228	Fri	i.p. vfhy swrqt xvshg ljypo zmxne aqoiu cbdhw lpurf 18963 zapfo SK , ? zmxsk dlslw cbryr ...	CW	(RL-HOL)
M51b	3881	26-12	0844	Sun	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	26-12	0844	Sun	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	3565	1-12	1111	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	1-12	1111	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	6140	1-12	1115	Wed	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	4442	1-12	1116	Wed	i.p. NR .../EX 1915 RMKS 8319 TO 8314 K A0/B2 AR K	CW	(JPL)
M89	4860	1-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	1-12	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	5199	1-12	1124	Wed	i.p. R RPT K R U MSG GA K R = 6NT3 T3DU .D65 U73N N56T 63T7 ...	CW	(JPL)
M89	4257	1-12	1214	Wed	i.p. R R GA GA K K R RPT CK 9 IIIII RPT CK R R RPT 51W TO 91 K K	CW	(JPL)
M89	4339	1-12	1218	Wed	i.p. D563 NAU3 6NU7 AD67 53TU ...	CW	(JPL)
M89	4256	1-12	1223	Wed	i.p. 7ZGH ... FFF NR 1243/EX 2027 = A7WB/Q27 AR	CW	(JPL)
M89	4397	1-12	1235	Wed	i.p. VVV 22AE DE DE 22AE (Both stations on this frequency)R QSA 1 K	CW	(JPL)
M89	4539	1-12	1239	Wed	i.p. HR WK NR 171 K R SK	CW	(JPL)
M89	4662	1-12	1240	Wed	i.p. 13 K K 27W 2598 2598 K QSA . K K QSA ? K III .9 896 7 K R R GA 2.W . 7 K	CW	(JPL)
M89	4043	1-12	1405	Wed	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	4510	1-12	1422	Wed	i.p. QSA 3 IEC = 0..8 AR K R U 7G GA K R QSL 2202 K R HR WK NR .. 12.. K	CW	(JPL)
M89	3565	3-12	2055	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	3-12	2055	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	3884	3-12	2101	Fri	i.p. 4774 D7A4 ...	CW	(JPL)
M89	4043	3-12	2103	Fri	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	11553	5-12	0112	Sun	i.p. R F NR 8045/EX 0913 RMKS 9687 TO 9018 = Q2C/D4Z AR	CW	(JPL)
M89	6840	5-12	0120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290	CW	(JPL)
M89	8290	5-12	0120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	5612	5-12	0122	Sun	i.p. 6N74 U7NA D533 D6D7 57TA 37N4 6ND4 ...	CW	(JPL)
M89	7620	5-12	0130	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	5-12	0130	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)

M89	7575	5-12	0133	Sun	i.p. AN73 NT4T 74T5 35U6 3U47 AT46 3NA7 7AD3 A475 ...	CW	(JPL)
M89	6805	5-12	0136	Sun	(i.p. RMKS 2721414 TO 2721410 = K2T5/Q3W7 AR	CW	(JPL)
M89	6378	5-12	0748	Sun	BSA5 de TP4C V	CW	(F5JBR-J)
M89	6140	5-12	0830	Sun	IW6S de 5D6T V	CW	(F5JBR-J)
M89	4718	5-12	0906	Sun	BSA5 de TP4C V	CW	(F5JBR-J)
M89	4485	5-12	2317	Sun	i.p. 557T 3UNA 35T3 D7AU 336N ATAA ... AR R R RPT 12W = 573A 573A AR K R RPT 17W = NUD7 NUD7 AR K	CW	(JPL)
M89	3565	5-12	2319	Sun	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	5-12	2319	Sun	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4860	5-12	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	5-12	2320	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	5555	5-12	2334	Sun	i.p. 65UT AU34 TNA7 ...	CW	(JPL)
M89	4718	8-12	1056	Wed	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	3565	10-12	1849	Fri	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	4043	10-12	1853	Fri	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	4123	10-12	1856	Fri	i.p. 7G GA K R GA HR R GA K R HR 7G GA NR 20.CK 139 1.2211 0254 RMKS 5372 TO 3379 K	CW	(JPL)
M89	4043	10-12	1929	Fri	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	4720	10-12	1930	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	10-12	1930	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4043	12-12	1127	Sun	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	3565	12-12	1129	Sun	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	3565	12-12	1209	Sun	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	12-12	1209	Sun	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4043	13-12	2010	Mon	V L5S3 L5S3 L5S3 DE Z4Y6 Z4Y6	CW	(AB)
M89	3565	13-12	2013	Mon	V BSA5 BSA5 BSA5 DE TP4C TP4C	CW	(AB)
M89	3565	15-12	2235	Wed	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	15-12	2235	Wed	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4718	16-12	0848	Thu	BSA5 de TP4C V	CW	(F5JBR-J)
M89	5139	16-12	0855	Thu	8RVF de CV4K V	CW	(F5JBR-J)
M89	6140	16-12	0938	Thu	L5S3 de Z4Q6 V	CW	(F5JBR-J)
M89	6840	16-12	9228	Thu	Q2M de NYZ VVV	CW	(F5JBR-J)
M89	6140	17-12	0844	Fri	L5S3 de Z4Q6 V	CW	(F5JBR-J)
M89	6378	17-12	0848	Fri	BSA5 de TP4C V	CW	(F5JBR-J)
M89	4718	17-12	0920	Fri	BSA5 de TP4C V	CW	(F5JBR-J)
M89	4235	17-12	1050	Fri	WGRL wkg BZJ1 NR 061 CK91 17 1230 RKMS ...	CW	(F5JBR-J)
M89	9208	19-12	0436	Sun	VVV 1VCM = NR 8622 MSG QSL 1555 = AR	CW	(F5JBR-J)
M89	6140	19-12	1020	Sun	L5S3 de Z4Q6 V	CW	(F5JBR-J)
M89	5139	19-12	1022	Sun	8RVF de CV4K V	CW	(F5JBR-J)
M89	4718	19-12	1024	Sun	BSA5 de TP4C V	CW	(F5JBR-J)
M89	3864	19-12	1101	Sun	HPP1 sends one message to M1PZ	CW	(F5JBR-J)
M89	4199	19-12	1101	Sun	M1PZ wkg HPP1: MSG HR MSG NR 0061 CK 121 56 1219 1820 RMKS 9070 TO 261 AA6D 475N 74T4 D57U ...	CW	(F5JBR-J)

M89	5139	20-12	1112	Mon	V 8RVF (x3) DE CV4K (x2) ...	CW	(JPL)
M89	3565	20-12	1117	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	20-12	1117	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4043	20-12	1119	Mon	V L5S3 (x3) DE Z4Y6 (x2)	CW	(JPL)
M89	4860	20-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	20-12	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	8309	20-12	1129	Mon	i.p. D5U5 AUN4 6U4N 4637 467A 4UD7 ...	CW	(JPL)
M89	4720	20-12	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	20-12	1130	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4197	20-12	1213	Mon	i.p. 34D7 TAUN 5D67 NTUA 6D74 ... AR R AS AS R R RPT 34 TO 35 W K	CW	(JPL)
M89	4860	20-12	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	20-12	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	5139	22-12	1900	Wed	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3565	22-12	1902	Wed	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	4043	22-12	1903	Wed	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	4123	22-12	1906	Wed	i.p. D764 T64N 36D3 75ND D574 AR K	CW	(JPL)
M89	5123	22-12	1906	Wed	i.p. T5T5 43NU NADT ...	CW	(JPL)
M89	4860	22-12	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	6840	22-12	1920	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4720	22-12	1930	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	4913	22-12	1930	Wed	i.p. R RPT 2P 31W 6UT4 6UT4 K R RPT 1P 02W TUN6 TUN6 K	CW	(JPL)
M89	5150	22-12	1930	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	8073	23-12	1104	Thu	i.p. HR WK NR 191 K R RPT K NIL SK GB	CW	(JPL)
M89	5139	23-12	1109	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3565	23-12	1115	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	23-12	1115	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4243	23-12	1117	Thu	(i.p. HR F GA K FF NR 1511/EX 1942 RMKS 1678 TO 1671 = FH8/B AR	CW	(JPL)
M89	4847	23-12	1117	Thu	i.p. /S7 AR HR WK NR 426 QSL ? K R DE SDU7 QSL TIME 1918 HR WK NR 522 AR	CW	(JPL)
M89	6840	23-12	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5)	CW	(JPL)
M89	4861	23-12	1124	Thu	i.p. AG93 = QY1/AG9 AR FF NR 50/EX 1922 RMKS CQ = QY1/AG9 AR HR WK NR 421 QSL ? K	CW	(JPL)
M89	4585	23-12	1213	Thu	i.p. 9112 = TV1M/CD4I AR K R R GA K	CW	(JPL)
M89	4544	23-12	1214	Thu	i.p. TO 9259 = 5A3D 63NT U34T AD43 4T6N 6NT7 DT74 7U3T D643 D4T6 35NA ...	CW	(JPL)
M89	4386	23-12	1217	Thu	i.p. QSA 1 QSY 02 QSA 1 QSY 02 VVV WUOZ DE 8ZSI K K VVV QSA 1 QSA 1 QSY 02 02 K K	CW	(JPL)
M89	4134	23-12	1227	Thu	i.p. 63UA 67TU UT64 ...	CW	(JPL)
M89	4043	23-12	1229	Thu	V IW6S (x3) DE 5D6T (x2)	CW	(JPL)
M89	3879	23-12	1230	Thu	i.p. 35TD 57TN 4UA3 UNTD 6NAT 5TN6 6D7N ...	CW	(JPL)
M89	3726	23-12	1231	Thu	i.p. R IEC = 4554 AR K R HR WK NR 345 K R HR WK NR 413 K R HR MSG GA K	CW	(JPL)
M89	3570	23-12	1236	Thu	i.p. N57U AN3D 746U ...	CW	(JPL)
M89v	11553	5-12	0117	Sun	Switched to voice. Male operator	CW	(JPL)
M95	6936	1-12	0144	Wed	YHXD YHXD DE SAQC V	CW	(RD)
M95	8073	1-12	1141	Wed	HR MSG GA PSE CY NR 1066 CK 386 35 1201 1654 = ... //4364	CW	(JPL)
M95	4243	1-12	1153	Wed	VV HR MSG TO YR PSE CY NR 027 CK 40 35 1201 1545 = 5AA UTT TTA 3U6 3A4 5T7 ...	CW	(JPL)

M95	3968	1-12	1400	Wed	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	1-12	1400	Wed	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4431	1-12	1410	Wed	i.p. TTTT TTTT DATN A57D A75U 4NUN 4N53 N476 ... AR	CW	(JPL)
M95	3968	3-12	2043	Fri	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	3-12	2043	Fri	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	5-12	2312	Sun	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	9054	5-12	2349	Sun	VV HR MSG TO YR PSE CY NR 0.4 CK 33 35 1206 0621 = UT. T.. 3U4 3A4 ...	CW	(JPL)
M95	5479	8-12	1055	Wed	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	8-12	1055	Wed	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	3968	10-12	1846	Fri	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	10-12	1846	Fri	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	4364	12-12	1141	Sun	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1110 CK 044 35 1212 1700 = //8073	CW	(JPL)
M95	8073	12-12	1141	Sun	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1110 CK 044 35 1212 1700 = //4364	CW	(JPL)
M95	4243	12-12	1155	Sun	i.p. 446 346 N3U 445 3DU T3D 3DA 4D6 5TN ... AR 7G AGN	CW	(JPL)
M95	5479	12-12	1214	Sun	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	3968	15-12	2230	Wed	V YHxD (x3) DE SAQC (x2) VVV HR SVC GA NR 0760630 RMKS 1950 TO 7849 = ... //6936	CW	(JPL)
M95	6936	15-12	2230	Wed	V YHxD (x3) DE SAQC (x2) VVV HR SVC GA NR 0760630 RMKS 1950 TO 7849 = ... //3968	CW	(JPL)
M95	8550	16-12	0940	Thu	NNR32 NNR32 CCK50 CCK50 TIKZC LACRT CSGVX GVYNP... RGIXA PJTESB QVFUO	CW	(F5JBR-J)
M95	4431	19-12	1032	Sun	HR SVC HR SVC = 654/XZ928/4706/13/13/99/X628A/COMM/5561 AR HR WK NR 460 HR WK NR 460 SK SK	CW	(F5JBR-J)
M95	5479	20-12	1111	Mon	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	20-12	1111	Mon	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	20-12	1142	Mon	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 1150 CK 360 35 1220 1656 = TU3 T6. 3AN ... //8073	CW	(JPL)
M95	8073	20-12	1142	Mon	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 1150 CK 360 35 1220 1656 = TU3 T6. 3AN ... //4364	CW	(JPL)
M95	4243	20-12	1153	Mon	VV HR MSG TO YR PSE CY NR 065 CK 57 35 1220 1545 =	CW	(JPL)
M95	3968	22-12	1857	Wed	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	22-12	1857	Wed	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	23-12	1059	Thu	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	23-12	1059	Thu	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	23-12	1141	Thu	V BNGC (x3) DE XSV85 (X2)	CW	(JPL)
M95	4243	23-12	1153	Thu	VV HR MSG TO YR PSE CY NR 06 CK 25 49 1221 2130 = 4A7 ADT 7T3 A5N 653 ...	CW	(JPL)
M95	3968	23-12	1901	Thu	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	23-12	1901	Thu	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
MX	8497.8	3-12	1149	Fri	Beacon L, St Petersburg	CW	(AB)
MX	5342.1	9-12	0814	Thu	Beacon V	CW	(ES-RUS)
MX	7508.7	10-12	1035	Fri	Beacon D, Sevastopol	CW	(AB)
MX	7508.8	10-12	1035	Fri	Dots	CW	(AB)
MX	7508.9	10-12	1035	Fri	Beacon S, Sevromorsk	CW	(AB)
MX	10871.9	10-12	1035	Fri	Beacon S, Sevromorsk	CW	(AB)
MX	10871.7	10-12	1037	Fri	Beacon D, Sevastopol	CW	(AB)

MX	10871.8	10-12	1037	Fri	Beacon P, Kaliningrad	CW	(AB)
MX	10872.1	10-12	1037	Fri	Beacon A, Astrakhan	CW	(AB)
MX	8497.8	10-12	1103	Fri	Beacon L, St Petersburg	CW	(AB)
MX	8497.8	17-12	1528	Fri	Extremely fast beacon L, St Petersburg.	CW	(AB)
MX	5156.8	18-12	0548	Sat	Very fast malfunctioning beacon L, St petersburg	CW	(AB)
MX	8497.8	18-12	0753	Sat	Very fast malfunctioning beacon L, St petersburg	CW	(AB)
MX	16332.3	19-12	0424	Sun	Beacon K, Petropavlovsk Kamchatskiy	CW	(F5JBR-J)
MX	13528.3	19-12	0428	Sun	Beacon K, Petropavlovsk Kamchatskiy	CW	(F5JBR-J)
MX	4558.4	19-12	1136	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	8348.2	19-12	1138	Sun	Beacon F, Vladivostok	CW	(F5JBR-J)
MX	3657	23-12	1715	Thu	Beacon V	CW	(ChPa)
MX	5156.8	25-12	0530	Sat	Beacon L, St Petersburg	CW	(AB)
MX	8497.8	25-12	0530	Sat	Beacon L, St Petersburg	CW	(AB)
MX	7611	29-12	0550	Wed	Beacon V	CW	(ES-RUS)
MX	7611	30-12	0542	Thu	Beacon V	CW	(ES-RUS)
MX	5342.1	30-12	0543	Thu	Beacon V	CW	(ES-RUS)
P03e	10800	3-12	1515	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	3-12	1520	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	5-12	1515	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	5-12	1520	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	5-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	5-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	7-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	7-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	10-12	1515	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	10-12	1520	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	12-12	1515	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	12-12	1520	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	12-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	12-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	14-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	14-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	17-12	1515	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	17-12	1520	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	19-12	1515	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	19-12	1520	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	19-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	19-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	21-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	21-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	24-12	1515	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	24-12	1520	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)

P03e	10800	26-12	1515	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	10800	26-12	1520	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	26-12	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	26-12	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5194	28-12	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5194	28-12	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	31-12	1515	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	10800	31-12	1520	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03g	13046	1-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	1-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	3-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	3-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	8-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	8-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	10-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	10-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	15-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	15-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	17-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	17-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	22-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	22-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	24-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	24-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	29-12	1330	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	29-12	1335	Wed	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	13046	31-12	1330	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	13046	31-12	1335	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03h	9079	1-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	1-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	6-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	6-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	8-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	8-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	13-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	13-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	15-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	15-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	20-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	20-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	22-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	22-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)

P03h	9079	27-12	0530	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	27-12	0535	Mon	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	29-12	0530	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03h	9079	29-12	0535	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9079	1-12	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	1-12	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	1-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	1-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	2-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	2-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	2-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	2-12	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9052	7-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	7-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	7-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	7-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	7-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	7-12	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9079	8-12	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	8-12	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	8-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	8-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	9-12	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	9-12	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	9-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	9-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	9-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	9-12	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	14-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	14-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	14-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	14-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	14-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	14-12	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9079	15-12	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	9079	15-12	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	14656	15-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	15-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	16-12	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	16-12	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	16-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	16-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)

P03i	6480	16-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	16-12	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	21-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	21-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	21-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	21-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	21-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	21-12	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9079	22-12	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	9079	22-12	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	14656	22-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	22-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	23-12	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	23-12	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	23-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	23-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	23-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	23-12	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9052	28-12	0725	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	28-12	0730	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	28-12	0800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	28-12	0805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	28-12	1800	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	28-12	1805	Tue	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	9079	29-12	0430	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	9079	29-12	0435	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB-POL)
P03i	14656	29-12	0800	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	14656	29-12	0805	Wed	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	30-12	0430	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9079	30-12	0435	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	30-12	0725	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	9052	30-12	0730	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB)
P03i	6480	30-12	1800	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03i	6480	30-12	1805	Thu	Polish intel.	BPSK 62.5Bd/464bp	(AB/MPJ)
P03j	6906	2-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	2-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6909	6-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6909	6-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	9-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	9-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6909	13-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6909	13-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)

P03j	6906	16-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	16-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6909	20-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6909	20-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	23-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	23-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6909	27-12	1830	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6909	27-12	1835	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	6906	30-12	1830	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	6906	30-12	1835	Thu	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03k	9063	1-12	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	1-12	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	1-12	i800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	1-12	i805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	2-12	1200	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	2-12	1205	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	2-12	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	2-12	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	3-12	0530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	3-12	0535	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	3-12	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	3-12	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	4-12	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	4-12	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	4-12	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	4-12	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14415	4-12	1230	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	4-12	1235	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	4-12	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	4-12	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	4-12	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	4242	4-12	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	5844	5-12	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	5-12	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	5-12	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	5-12	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	5-12	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	6-12	1200	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	6-12	1205	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)

P03k	14415	7-12	1230	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	7-12	1235	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	8-12	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	8-12	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	8-12	i800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	8-12	i805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	9-12	1200	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	9-12	1205	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	9-12	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	9-12	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	10-12	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	10-12	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	11-12	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	11-12	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	11-12	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	11-12	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	11-12	1230	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14415	11-12	1235	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	11-12	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	11-12	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	11-12	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	11-12	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5844	12-12	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	12-12	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	12-12	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	12-12	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	12-12	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	12-12	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	12-12	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	12-12	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	13-12	1200	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	13-12	1205	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	14-12	1230	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	14-12	1235	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	15-12	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	15-12	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	15-12	i800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	15-12	i805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	16-12	1200	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	16-12	1205	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	16-12	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	16-12	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	10210	17-12	0530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	17-12	0535	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	17-12	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	17-12	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	18-12	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	18-12	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	18-12	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	18-12	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	18-12	1230	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14415	18-12	1235	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	9063	18-12	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	18-12	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	18-12	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	18-12	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5844	19-12	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	19-12	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	19-12	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	19-12	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	19-12	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	19-12	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	19-12	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	19-12	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	20-12	1200	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	20-12	1205	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	21-12	1230	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14415	21-12	1235	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	22-12	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	22-12	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	22-12	1800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	22-12	1805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	23-12	1200	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	23-12	1205	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	23-12	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	23-12	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10210	24-12	0530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	24-12	0535	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	24-12	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	24-12	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	25-12	0630	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	25-12	0635	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-12	1200	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	25-12	1205	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	9063	25-12	1310	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9063	25-12	1315	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	25-12	1800	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4242	25-12	1805	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	26-12	0630	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5844	26-12	0635	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	26-12	1100	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	26-12	1105	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1200	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1205	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1930	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	26-12	1935	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	27-12	1200	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	27-12	1205	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14415	28-12	1230	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14415	28-12	1235	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	29-12	1310	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9063	29-12	1315	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	29-12	1800	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4242	29-12	1805	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	4356	30-12	1200	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	30-12	1205	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	30-12	1930	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4356	30-12	1935	Thu	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	31-12	0530	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10210	31-12	0535	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	31-12	1100	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8102	31-12	1105	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	9079	1-12	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	1-12	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	3-12	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	3-12	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	4-12	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	4-12	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	5-12	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	5-12	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	8-12	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	8-12	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	10-12	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	10-12	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	11-12	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	11-12	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)

P03I	5779	12-12	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	12-12	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	15-12	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	15-12	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	17-12	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	17-12	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	18-12	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	18-12	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	19-12	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	5779	19-12	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	22-12	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	22-12	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	24-12	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	24-12	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	25-12	1245	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	25-12	1250	Sat	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	26-12	1245	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5779	26-12	1250	Sun	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9079	29-12	1345	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	29-12	1350	Wed	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	31-12	1345	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	9079	31-12	1350	Fri	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
Q26	8073	1-12	1130	Wed	XSV85 messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	1-12	1148	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	5-12	2347	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	19454	10-12	0920	Fri	Messages	4+4 QPSK 75/1000 LSB	(EW)
Q26	4364	12-12	1131	Sun	XSV85 messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	12-12	1131	Sun	XSV85 messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	20215	13-12	0901	Mon	4FG messages	4+4 QPSK 75/1000 LSB	(EW)
Q26	19454	13-12	0908	Mon	MBKG MBKG MBKG DE K950 K950 K950 6FG8 6FG8 6FG8 DE K950 K950 K950 XYXYXYXYXY HR MSG GA PSE CY SY121308 ...	4+4 QPSK 75/1000 LSB	(EW)
Q26	16234	16-12	0900	Thu	212T 212T 212T DE 4D9C 4D9C 4D9C repeated, no message	4+4 QPSK 75/1000 LSB	(EW)
Q26	16318.5	16-12	0930	Thu	212T 212T 212T DE 4D9C 4D9C 4D9C followed by 4FG messages	4+4 QPSK 75/1000 LSB	(EW)
Q26	4364	20-12	1131	Mon	XSV85 messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	20-12	1131	Mon	XSV85 messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	20-12	1145	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	23-12	1132	Thu	XSV85 messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	23-12	1143	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
RADv	2550	11-12	1715	Sat	Russian Air Defense reading bearings	USB	(AB)
RMv	5045	1-12	1412	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2645. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	2-12	1411	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4124. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	8-12	1414	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8693. 16 chasov 15 minut konec svyazi	USB	(AB-POL)

RMv	5045	9-12	1414	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2167. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	10-12	1411	Fri	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 3159. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	13-12	1413	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5543. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	14-12	1413	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9847. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	15-12	1414	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 2879. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	16-12	1414	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9673. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	17-12	1411	Fri	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 8752. 16 chasov 13 minut konec svyazi	USB	(AB-POL)
RMv	5045	20-12	1413	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 6593. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	21-12	1413	Tue	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 1729. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	22-12	1413	Wed	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 4832. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	23-12	1412	Thu	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	24-12	1411	Fri	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 7582. 16 chasov 13 minut konec svyazi	USB	(AB-POL)
RMv	5045	27-12	1412	Mon	Tsaplya, Tsaplya, Ya Znamya, primite radiogrammu. Signal 9362. 16 chasov 13 minut konec svyazi	USB	(AB-POL)
S06	17435	2-12	0830	Thu	842-167/45=78779 via KiwiSDR RUS	USB	(HFD-RUS)
S06	14375	2-12	0930	Thu	842 167 45 78779 20913 00896 ... 67755 60425 41685 167 45 00000	USB	(PY/HFD-RUS)
S06	17435	3-12	0830	Fri	842 167 45 78779 20913 00896 ... 67755 60425 41685 167 45 00000	USB	(PY)
S06	14375	3-12	0930	Fri	842 167 45 78779 20913 00896 ... 67755 60425 41685 167 45 00000	USB	(PY)
S06	7553	3-12	1900	Fri	768 768 768 00000	USB	(AB-RUS/MPJ/HFD)
S06	5329	3-12	2000	Fri	768 768 768 00000	USB	(AB-RUS/MPJ/HFD)
S06	17435	9-12	0830	Thu	842 953 46 91866 91839 56011 ... 41400 24722 99012 953 46 00000	USB	(PY)
S06	14375	9-12	0930	Thu	842 953 46 91866 91839 56011 ... 41400 24722 99012 953 46 00000	USB	(PY)
S06	17435	10-12	0830	Fri	842 953 46 91866 91839 56011 ... 41400 24722 99012 953 46 00000	USB	(PY)
S06	14375	10-12	0930	Fri	842 953 46 91866 91839 56011 ... 41400 24722 99012 953 46 00000	USB	(PY)
S06	10755	15-12	0930	Wed	975 341 60 62294 78392 56764 ... 55919 58872 34152 341 60 00000 Several restarts during the transmission	USB	(AB)
S06	17435	16-12	0830	Thu	842 610 47 14870 13908 01425 ... 45298 01379 49920 610 47 00000	USB	(PY)
S06	14375	16-12	0930	Thu	842 610 47 14870 13908 01425 ... 45298 01379 49920 610 47 00000	USB	(PY)
S06	17435	17-12	0830	Fri	842 610 47 14870 13908 01425 ... 45298 01379 49920 610 47 00000	USB	(PY)
S06	14375	17-12	0930	Fri	842 610 47 14870 13908 01425 ... 45298 01379 49920 610 47 00000	USB	(PY)
S06	7553	17-12	1900	Fri	768 768 768 00000	USB	(AB/MPJ)
S06	5329	17-12	2000	Fri	768 768 768 00000	USB	(AB)
S06	11616	20-12	0400	Mon	480 232 50 17833 57959 99134 ... 59720 33346 98410 232 50 00000	USB	(Anon)
S06	9322	20-12	0420	Mon	480 232 50 17833 57959 99134 ... 59720 33346 98410 232 50 00000	USB	(Anon)
S06	11616	21-12	0400	Tue	480 171 52 81181 71242 93285 ... 45678 55428 88181 171 52 00000	USB	(Anon)
S06	9322	21-12	0420	Tue	480 171 52 81181 71242 93285 ... 45678 55428 88181 171 52 00000	USB	(Anon)
S06	11616	22-12	0400	Wed	480 926 50 96297 01539 23410 ... 39630 17812 53980 926 50 00000	USB	(Anon)
S06	9322	22-12	0420	Wed	480 926 50 96297 01539 23410 ... 39630 17812 53980 926 50 00000	USB	(Anon)
S06	11616	23-12	0400	Thu	480 173 64 35731 05993 12387 ... 73701 84342 10898 173 64 00000	USB	(Anon)
S06	9322	23-12	0420	Thu	480 173 64 35731 05993 12387 ... 73701 84342 10898 173 64 00000	USB	(Anon)
S06	17435	23-12	0830	Thu	842 753 48 78985 88740 26415 ... 41654 79281 41304 753 48 00000	USB	(PY)

S06	14375	23-12	0930	Thu	842 753 48 78985 88740 26415 ... 41654 79281 41304 753 48 00000	USB	(PY)
S06	11616	24-12	0400	Fri	480 292 50 12588 05576 80680 79633 ... 70924 10464 _____ 292 50 00000	USB	(Anon)
S06	9322	24-12	0420	Fri	480 292 50 12588 05576 80680 79633 ... 70924 10464 _____ 292 50 00000	USB	(Anon)
S06	17435	24-12	0830	Fri	842 753 48 78985 88740 26415 ... 41654 79281 41304 753 48 00000	USB	(PY)
S06	14375	24-12	0930	Fri	842 753 48 78985 88740 26415 ... 41654 79281 41304 753 48 00000	USB	(PY)
S06	11616	27-12	0400	Mon	480 327 56 42388 33572 05440 ... 30160 67002 47801 327 56 00000	USB	(Anon)
S06	9322	27-12	0420	Mon	480 327 56 42388 33572 05440 ... 30160 67002 47801 327 56 00000	USB	(Anon)
S06	11616	28-12	0400	Tue	480 327 56 42388 33572 05440 ... 30160 67002 47801 327 56 00000	USB	(Anon)
S06	9322	28-12	0420	Tue	480 327 56 42388 33572 05440 ... 30160 67002 47801 327 56 00000	USB	(Anon)
S06	11616	29-12	0400	Wed	480 863 51 = = 49939 84105 88680 ... 62567 39096 92038 = = 863 51 0000. Repeated by M14 at 0500/0520z	USB	(PY/Anon)
S06	9322	29-12	0420	Wed	480 863 51 = = 49939 84105 88680 ... 62567 39096 92038 = = 863 51 0000. Repeated by M14 at 0500/0520z	USB	(PY/Anon)
S06	11616	30-12	0400	Thu	480 132 54 90773 06702 01221 ... 35030 21999 66023 132 54 00000	USB	(AVX-J)
S06	9322	30-12	0420	Thu	480 132 54 90773 06702 01221 ... 35030 21999 66023 132 54 00000	USB	(AVX-J)
S06c	13409	7-12	1045	Tue	11064	USB	(AB)
S06s	7062	1-12	0830	Wed	464 283 5 32993 32539 38408 36364 36982 283 5 00000	USB	(AB)
S06s	10532	1-12	0840	Wed	464 283 5 32993 32539 38408 36364 36982 283 5 00000	USB	(AB)
S06s	12365	1-12	1000	Wed	276 849 5 43798 46937 33032 38334 44613 849 5 00000	USB	(AB)
S06s	14280	1-12	1010	Wed	276 849 5 43798 46937 33032 38334 44613 849 5 00000	USB	(AB)
S06s	11535	2-12	0830	Thu	172 830 5 88620 58069 61732 64537 47440 830 5 00000	USB	(AB)
S06s	11830	2-12	0840	Thu	172 830 5 88620 58069 61732 64537 47440 830 5 00000	USB	(AB)
S06s	8812	2-12	0930	Thu	698 210 5 31467 33351 43533 35211 33212 210 5 00000	USB	(AB)
S06s	9540	2-12	0940	Thu	698 210 5 31467 33351 43533 35211 33212 210 5 00000	USB	(AB)
S06s	12155	2-12	1200	Thu	175 284 6 37867 86001 40275 44333 31502 33886 984 6 00000	USB	(AB/MPJ)
S06s	10920	2-12	1210	Thu	175 284 6 37867 86001 40275 44333 31502 33886 984 6 00000	USB	(AB/MPJ)
S06s	11040	3-12	0830	Fri	156 830 7 46062 68672 97478 39685 30485 96632 52537 830 7 00000	USB	(AB)
S06s	12153	3-12	0840	Fri	156 830 7 46062 68672 97478 39685 30485 96632 52537 830 7 00000	USB	(AB)
S06s	5765	3-12	0900	Fri	239 470 5 88620 58069 61732 74537 57440 470 5 00000	USB	(AB-POL)
S06s	6315	3-12	0910	Fri	239 470 5 88620 58069 61732 74537 57440 470 5 00000	USB	(AB-POL)
S06s	8680	4-12	0800	Sat	132 467 5 17099 94961 35826 65906 77233 467 467 5 00000	USB	(AB)
S06s	8260	4-12	0810	Sat	132 467 5 17099 94961 35826 65906 77233 467 467 5 00000	USB	(AB)
S06s	13470	6-12	0630	Mon	462 980 5 27284 26129 22983 82221 75246 980 5 00000	USB	(AB-ISR)
S06s	16515	6-12	0640	Mon	462 980 5 27284 26129 22983 82221 75246 980 5 00000	USB	(AB-ISR)
S06s	8057	6-12	0830	Mon	764 801 5 22992 22529 28408 26265 36983 801 5 00000	USB	(AB)
S06s	8530	6-12	0840	Mon	764 801 5 22992 22529 28408 26265 36983 801 5 00000	USB	(AB)
S06s	16475	6-12	0900	Mon	232 860 5 42798 46927 22032 28214 44623 860 5 00000	USB	(AB)
S06s	12830	6-12	0910	Mon	232 860 5 42798 46927 22032 28214 44623 860 5 00000	USB	(AB)
S06s	8420	6-12	1300	Mon	149 208 5 33584 40485 46170 43306 37796 208 5 00000	USB	(AB/MPJ-HNG)
S06s	10635	6-12	1310	Mon	149 208 5 33584 40485 46170 43306 37796 208 5 00000	USB	(AB/MPJ-HNG)
S06s	16145	7-12	0600	Tue	438 910 5 38366 42544 30638 43375 43806 910 5 00000	USB	(AB-ISR)
S06s	14240	7-12	0610	Tue	438 910 5 38366 42544 30638 43375 43806 910 5 00000	USB	(AB-ISR)

S06s	5250	7-12	0700	Tue	452 931 6 37833 30024 32958 32235 87880 33582 931 6 00000	USB	(AB-POL)
S06s	6320	7-12	0710	Tue	452 931 6 37833 30024 32958 32235 87880 33582 931 6 00000	USB	(AB-POL)
S06s	7410	7-12	0730	Tue	427 910 5 34558 42154 30342 36112 89898 910 5 00000	USB	(AB-HNG)
S06s	11532	7-12	0740	Tue	427 910 5 34558 42154 30342 36112 89898 910 5 00000	USB	(AB)
S06s	11945	7-12	0800	Tue	127 964 5 43530 41385 33511 97321 47827 964 5 00000	USB	(AB)
S06s	13195	7-12	0810	Tue	127 964 5 43530 41385 33511 97321 47827 964 5 00000	USB	(AB)
S06s	6440	7-12	1000	Tue	427 830 5 37885 38365 37846 43798 35387 830 5 00000 (gr 2 was not repeated)	USB	(AB)
S06s	5660	7-12	1010	Tue	427 830 5 37885 38365 37846 43798 35387 830 5 00000 (gr 2 was not repeated)	USB	(AB)
S06s	5035	7-12	1100	Tue	265 901 7 46062 67672 97478 39685 30495 96632 52537 901 7 00000	USB	(AB)
S06s	5975	7-12	1110	Tue	265 901 7 46062 67672 97478 39685 30495 96632 52537 901 7 00000	USB	(AB)
S06s	7062	8-12	0830	Wed	464 283 5 32993 32539 38408 36364 36982 283 5 00000	USB	(AB)
S06s	10532	8-12	0840	Wed	464 283 5 32993 32539 38408 36364 36982 283 5 00000	USB	(AB)
S06s	12365	8-12	1000	Wed	276 849 5 43798 46937 33032 38334 44613 849 5 00000	USB	(AB)
S06s	14280	8-12	1010	Wed	276 849 5 43798 46937 33032 38334 44613 849 5 00000	USB	(AB)
S06s	11535	9-12	0830	Thu	172 830 5 88620 58069 61732 64537 47440 830 5 00000	USB	(AB)
S06s	11830	9-12	0840	Thu	172 830 5 88620 58069 61732 64537 47440 830 5 00000	USB	(AB)
S06s	8812	9-12	0930	Thu	698 210 5 31467 33351 43533 35211 33212 210 5 00000	USB	(AB)
S06s	9540	9-12	0940	Thu	698 210 5 31467 33351 43533 35211 33212 210 5 00000	USB	(AB)
S06s	12155	9-12	1200	Thu	175 284 6 37867 86001 40275 44333 31502 33886 984 6 00000	USB	(AB)
S06s	10920	9-12	1210	Thu	175 284 6 37867 86001 40275 44333 31502 33886 984 6 00000	USB	(AB)
S06s	11040	10-12	0830	Fri	156 830 7 46062 68672 97478 39685 30485 96632 52537 830 7 00000	USB	(AB)
S06s	12153	10-12	0840	Fri	156 830 7 46062 68672 97478 39685 30485 96632 52537 830 7 00000	USB	(AB)
S06s	5765	10-12	0900	Fri	239 470 5 88620 58069 61732 74537 57440 470 5 00000	USB	(AB-POL)
S06s	6315	10-12	0910	Fri	239 470 5 88620 58069 61732 74537 57440 470 5 00000	USB	(AB-POL)
S06s	13470	13-12	0630	Mon	462 980 5 27284 26129 22983 82221 75246 980 5 00000	USB	(AB-POL)
S06s	16515	13-12	0640	Mon	462 980 5 27284 26129 22983 82221 75246 980 5 00000	USB	(AB-ISR)
S06s	8057	13-12	0830	Mon	764 801 5 22992 22529 28408 26265 36983 801 5 00000	USB	(AB)
S06s	8530	13-12	0840	Mon	764 801 5 22992 22529 28408 26265 36983 801 5 00000	USB	(AB)
S06s	16475	13-12	0900	Mon	232 860 5 42798 46927 22032 28214 44623 860 5 00000	USB	(AB)
S06s	12830	13-12	0910	Mon	232 860 5 42798 46927 22032 28214 44623 860 5 00000	USB	(AB)
S06s	8420	13-12	1300	Mon	149 208 5 33584 40485 46170 43306 37796 208 5 00000	USB	(AB/MPJ)
S06s	10635	13-12	1310	Mon	149 208 5 33584 40485 46170 43306 37796 208 5 00000	USB	(AB/MPJ)
S06s	16145	14-12	0600	Tue	438 910 5 38366 42544 30638 43375 43806 910 5 00000	USB	(AB-ISR)
S06s	14240	14-12	0610	Tue	438 910 5 38366 42544 30638 43375 43806 910 5 00000	USB	(AB-ISR)
S06s	5250	14-12	0700	Tue	452 931 6 37833 30024 32958 32235 87880 33582 931 6 00000	USB	(AB-POL)
S06s	6320	14-12	0710	Tue	452 931 6 37833 30024 32958 32235 87880 33582 931 6 00000	USB	(AB)
S06s	7410	14-12	0730	Tue	427 910 5 34558 42154 30342 36112 89898 910 5 00000	USB	(AB)
S06s	11532	14-12	0740	Tue	427 910 5 34558 42154 30342 36112 89898 910 5 00000	USB	(AB)
S06s	11945	14-12	0800	Tue	127 964 5 43530 41385 33511 97321 47827 964 5 00000	USB	(AB)
S06s	13195	14-12	0810	Tue	127 964 5 43530 41385 33511 97321 47827 964 5 00000	USB	(AB)
S06s	6440	14-12	1000	Tue	Carrier, no transmission heard	USB	(AB-POL)
S06s	5660	14-12	1010	Tue	427 830 5 37885 38365 37846 43798 35387 830 5 00000	USB	(AB-POL)

S06s	5035	14-12	1100	Tue	265 901 7 46062 67672 97478 39685 30495 96632 52537 901 7 00000	USB	(AB)
S06s	5975	14-12	1110	Tue	265 901 7 46062 67672 97478 39685 30495 96632 52537 901 7 00000	USB	(AB)
S06s	7062	15-12	0830	Wed	464 921 5 50535 46615 30766 32376 36872 921 5 00000	USB	(AB)
S06s	10532	15-12	0840	Wed	464 921 5 50535 46615 30766 32376 36872 921 5 00000	USB	(AB)
S06s	12365	15-12	1002	Wed	276 941 5 47837 38576 37867 43798 43209 941 5 00000 Late start	USB	(AB)
S06s	14280	15-12	1010	Wed	276 941 5 47837 38576 37867 43798 43209 941 5 00000	USB	(AB)
S06s	12220	16-12	0910	Thu	172 172 172 00000	USB	(Anon)
S06s	13375	16-12	0920	Thu	172 172 172 00000	USB	(PY)
S06s	8812	16-12	0930	Thu	698 413 5 32993 32539 38408 36364 36982 413 5 00000	USB	(AB)
S06s	9540	16-12	0940	Thu	698 413 5 32993 32539 38408 36364 36982 413 5 00000	USB	(AB)
S06s	12155	16-12	1200	Thu	175 480 6 33584 40485 46170 43306 37796 85258 480 6 00000	USB	(AB)
S06s	10920	16-12	1210	Thu	175 480 6 33584 40485 46170 43306 37796 85258 480 6 00000	USB	(AB)
S06s	11040	17-12	0830	Fri	156 803 7 88620 58069 61732 74537 57440 10597 23521 803 7 00000	AM	(AB)
S06s	12153	17-12	0840	Fri	156 803 7 88620 58069 61732 74537 57440 10597 23521 803 7 00000	AM	(AB)
S06s	5765	17-12	0900	Fri	239 405 6 52401 63919 92699 14600 74248 48754 405 6 00000	USB	(AB-POL)
S06s	6315	17-12	0910	Fri	239 405 6 52401 63919 92699 14600 74248 48754 405 6 00000	USB	(AB-POL)
S06s	13470	20-12	0630	Mon	462 873 5 46062 68672 97478 39685 30485 873 5 00000	USB	(AB-CYP)
S06s	16515	20-12	0640	Mon	462 873 5 46062 68672 97478 39685 30485 873 5 00000	USB	(AB-ISR)
S06s	8057	20-12	0830	Mon	764 931 5 96320 36793 53038 76342 15009 931 5 00000	USB	(AB)
S06s	8530	20-12	0840	Mon	764 931 5 96320 36793 53038 76342 15009 931 5 00000	USB	(AB)
S06s	16475	20-12	0900	Mon	232 491 5 65907 66610 20336 17301 88554 491 5 00000	USB	(AB)
S06s	12830	20-12	0910	Mon	232 491 5 65907 66610 20336 17301 88554 491 5 00000	USB	(AB)
S06s	8420	20-12	1300	Mon	149 237 5 50128 99477 83574 48874 94 stopped	USB	(AB)
S06s	10635	20-12	1310	Mon	149 237 5 50128 99477 83574 48874 94031 237 5 00000	USB	(AB)
S06s	16145	21-12	0600	Tue	438 965 7 47891 23247 17099 94961 35826 65906 77233 965 7 00000	USB	(AB-ISR)
S06s	14240	21-12	0610	Tue	438 965 7 47891 23247 17099 94961 35826 65906 77233 965 7 00000	USB	(AB-ISR)
S06s	5250	21-12	0700	Tue	452 981 6 26634 14690 95590 60386 03009 81413 981 6 00000	USB	(AB-POL)
S06s	6320	21-12	0710	Tue	452 981 6 26634 14690 95590 60386 03009 81413 981 6 00000	USB	(AB)
S06s	7410	21-12	0730	Tue	427 895 6 33796 13577 74526 46647 79302 53516 895 6 00000	USB	(AB)
S06s	11532	21-12	0740	Tue	427 895 6 33796 13577 74526 46647 79302 53516 895 6 00000	USB	(AB)
S06s	11945	21-12	0800	Tue	127 849 5 20534 11160 43494 37638 16953 849 5 00000	AM	(AB)
S06s	13195	21-12	0810	Tue	127 849 5 20534 11160 43494 37638 16953 849 5 00000	AM	(AB)
S06s	6440	21-12	1000	Tue	427 851 6 96320 36793 53038 76342 15009 34140 851 6 00000	USB	(AB-POL)
S06s	5660	21-12	1010	Tue	427 851 6 96320 36793 53038 76342 15009 34140 851 6 00000	USB	(AB)
S06s	5035	21-12	1100	Tue	265 834 7 88620 58069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	5975	21-12	1110	Tue	265 834 7 88620 58069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	7062	22-12	0830	Wed	464 921 5 50535 46615 30766 32376 36872 921 5 00000	USB	(AB)
S06s	10532	22-12	0840	Wed	464 921 5 50535 46615 30766 32376 36872 921 5 00000	USB	(AB)
S06s	12365	22-12	1000	Wed	276 941 5 47837 38576 37867 43798 43209 941 5 00000	USB	(AB)
S06s	14280	22-12	1010	Wed	276 941 5 47837 38576 37867 43798 43209 941 5 00000	USB	(AB)
S06s	8812	23-12	0930	Thu	698 413 5 32993 32539 38408 36364 36982 413 5 00000	USB	(AB)
S06s	9540	23-12	0940	Thu	698 413 5 32993 32539 38408 36364 36982 413 5 00000	USB	(AB)

S06s	12155	23-12	1200	Thu	175 480 6 33584 40485 46170 43306 37796 85258 480 6 00000	USB	(AB/MPJ)
S06s	10920	23-12	1210	Thu	175 480 6 33584 40485 46170 43306 37796 85258 480 6 00000	USB	(AB/MPJ)
S06s	11040	24-12	0830	Fri	156 803 7 88620 58069 61732 74537 57440 10597 23521 803 7 00000	AM	(AB)
S06s	12153	24-12	0840	Fri	156 803 7 88620 58069 61732 74537 57440 10597 23521 803 7 00000	AM	(AB)
S06s	5765	24-12	0900	Fri	239 405 6 52401 63919 92699 14600 74248 48754 405 6 00000	USB	(AB)
S06s	6315	24-12	0910	Fri	239 405 6 52401 63919 92699 14600 74248 48754 405 6 00000	USB	(AB)
S06s	13470	27-12	0630	Mon	462 873 5 46062 68672 97478 39685 30485 873 5 00000	USB	(AB-CYP)
S06s	16515	27-12	0640	Mon	462 873 5 46062 68672 97478 39685 30485 873 5 00000	USB	(AB-POL)
S06s	8057	27-12	0830	Mon	764 931 5 96320 36793 53038 76342 15009 931 5 00000	USB	(AB)
S06s	8530	27-12	0840	Mon	764 931 5 96320 36793 53038 76342 15009 931 5 00000	USB	(AB)
S06s	16475	27-12	0900	Mon	232 491 5 65907 66610 20336 17301 88554 491 5 00000	USB	(AB)
S06s	12830	27-12	0910	Mon	232 491 5 65907 66610 20336 17301 88554 491 5 00000	USB	(AB)
S06s	8420	27-12	1300	Mon	149 237 5 50128 99477 83574 48874 94 stopped	USB	(AB)
S06s	10635	27-12	1310	Mon	149 237 5 50128 99477 83574 48874 94031 237 5 00000	USB	(AB)
S06s	16145	28-12	0600	Tue	438 965 7 47891 23247 17099 94961 35826 65906 77233 965 7 00000	USB	(AB-CYP)
S06s	14240	28-12	0610	Tue	438 965 7 47891 23247 17099 94961 35826 65906 77233 965 7 00000	USB	(AB-ISR)
S06s	5250	28-12	0700	Tue	452 981 6 26634 14690 95590 60386 03009 81413 981 6 00000	USB	(AB)
S06s	6320	28-12	0710	Tue	452 981 6 26634 14690 95590 60386 03009 81413 981 6 00000	USB	(AB)
S06s	7410	28-12	0730	Tue	427 895 6 33796 13577 74526 46647 79302 53516 895 6 00000	USB	(AB)
S06s	11532	28-12	0740	Tue	427 895 6 33796 13577 74526 46647 79302 53516 895 6 00000	USB	(AB)
S06s	11945	28-12	0800	Tue	127 849 5 20534 11160 43494 37638 16953 849 5 00000	AM	(AB)
S06s	13195	28-12	0810	Tue	127 849 5 20534 11160 43494 37638 16953 849 5 00000	AM	(AB)
S06s	6440	28-12	1000	Tue	427 851 6 96320 36793 53038 76342 15009 34140 851 6 00000	USB	(AB-POL)
S06s	5660	28-12	1010	Tue	427 851 6 96320 36793 53038 76342 15009 34140 851 6 00000	USB	(AB)
S06s	5035	28-12	1100	Tue	265 834 7 88620 58069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	5975	28-12	1110	Tue	265 834 7 88620 58069 61732 74537 57440 10597 23521 834 7 00000	USB	(AB)
S06s	7062	29-12	0830	Wed	464 464 464 00000	USB	(AB)
S06s	10532	29-12	0840	Wed	464 464 464 00000	USB	(AB)
S06s	12365	29-12	1000	Wed	276 276 276 00000 Distorted audio	USB	(AB)
S06s	14280	29-12	1010	Wed	276 276 276 00000 Distorted audio	USB	(AB)
S06s	9921	30-12	0830	Thu	172 172 172 00000	USB	(AB)
S06s	9379	30-12	0840	Thu	172 172 172 00000	USB	(AB)
S06s	9379	30-12	0850	Thu	172 172 172 00000	USB	(RO)
S06s	12142	30-12	0900	Thu	172 172 172 00000	USB	(PY)
S06s	13375	30-12	0910	Thu	172 172 172 00000	USB	(PY)
S06s	13875	30-12	0920	Thu	172 172 172 00000	USB	(PY)
S06s	8812	30-12	0930	Thu	698 698 698 00000	USB	(AB)
S06s	14986	30-12	0930	Thu	172 172 172 00000	USB	(PY)
S06s	9540	30-12	0940	Thu	698 698 698 00000	USB	(AB)
S06s	12155	30-12	1200	Thu	175 175 175 00000	USB	(AB)
S06s	10920	30-12	1210	Thu	175 175 175 00000	USB	(AB)
S06s	11040	31-12	0830	Fri	156 156 156 00000	AM	(AB)

S06s	12153	31-12	0840	Fri	156 156 156 00000	AM	(AB)
S06s	5765	31-12	0900	Fri	239 239 239 00000	USB	(AB)
S06s	6315	31-12	0910	Fri	239 239 239 00000	USB	(AB)
S11a	9057	1-12	0510	Wed	657/00	USB	(AB)
S11a	11486	1-12	1850	Wed	Unreadable null message	USB	(AB)
S11a	12530	2-12	0500	Thu	389/00	USB	(AB)
S11a	9050	2-12	0700	Thu	472/00	USB	(AB)
S11a	6252	3-12	0915	Fri	482/00	USB	(AB)
S11a	8102	3-12	1020	Fri	421/00	USB	(AB)
S11a	5371	4-12	0830	Sat	370/00	USB	(AB)
S11a	5371	5-12	0830	Sun	379/0	USB	(AB)
S11a	9057	6-12	0510	Mon	656/00	USB	(AB-POL)
S11a	9050	6-12	0700	Mon	470/00	USB	(AB)
S11a	6252	6-12	0915	Mon	483/32 too weak to copy	USB	(AB)
S11a	12530	7-12	0500	Tue	382/00	USB	(AB)
S11a	8102	7-12	1020	Tue	429/31 Vnimanije 29388 75519 17629 ... 45945 49056 07693 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	8-12	0510	Wed	651/00	USB	(AB-POL)
S11a	11486	8-12	1850	Wed	288/00	USB	(AB-POL/MPJ-AUT)
S11a	12530	9-12	0500	Thu	385/00	USB	(AB)
S11a	9050	9-12	0700	Thu	472/00	USB	(AB)
S11a	6252	10-12	0915	Fri	483/32 Vnimanije 77694 80037 99142 ... 71980 56848 48723 Vnimanije (message repeated) Out	USB	(AB)
S11a	8102	10-12	1020	Fri	429/31 Vnimanije 29388 75519 17629 ... 45945 49056 07693 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5371	11-12	0830	Sat	377/37 Vnimanije 94298 42765 53723 ... 30904 06323 43942 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11486	11-12	1850	Sat	286/00	USB	(AB-POL/MPJ-FIN)
S11a	5371	12-12	0830	Sun	377/37 Vnimanije 94298 42765 53723 ... 30904 06323 43942 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	13-12	0510	Mon	657/00	USB	(AB-POL)
S11a	9050	13-12	0700	Mon	479/38 Vnimanije 75882 95232 84933 ... 77766 37870 81741 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6252	13-12	0915	Mon	482/00	USB	(AB)
S11a	12530	14-12	0500	Tue	381/39 Vnimanije 52592 49916 85300 ... 25899 73557 19242 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	8102	14-12	1020	Tue	423/53 Vnimanije 45223 86310 81846 ... 51063 53799 82281 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	15-12	0510	Wed	650/00	USB	(AB-POL)
S11a	11486	15-12	1850	Wed	287/00	USB	(AB-POL/MPJ)
S11a	12530	16-12	0500	Thu	381/39 Vnimanije 52592 49916 85300 ... 25899 73557 19242 Vnimanije (message repeated) Konets	USB	(AB-POL)

S11a	9050	16-12	0700	Thu	479/38 Vnimanaye 75882 95232 84933 ... 77766 37870 81741 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	6252	17-12	0915	Fri	485/00	USB	(AB)
S11a	8102	17-12	1020	Fri	423/53 Vnimanaye 45223 86310 81846 ... 51063 53799 82281 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	5371	18-12	0830	Sat	371/00	USB	(AB)
S11a	11486	18-12	1850	Sat	287/00	USB	(AB-POL)
S11a	5371	19-12	0830	Sun	378/00	USB	(AB)
S11a	9057	20-12	0510	Mon	650/32 Vnimanaye 96762 54522 15400 ... 52192 42919 28314 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	9050	20-12	0700	Mon	475/00	USB	(AB)
S11a	6252	20-12	0915	Mon	487/00	USB	(AB)
S11a	12530	21-12	0500	Tue	389/00	USB	(AB-POL)
S11a	8102	21-12	1020	Tue	427/00	USB	(AB)
S11a	9057	22-12	0510	Wed	650/32 Vnimanaye 96762 54522 15400 ... 52192 42919 28314 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	11486	22-12	1850	Wed	284/31 Vnimanaye 69260 30713 37260 ... 53744 04764 58627 Vnimanaye (message repeated) Konets	USB	(AB-POL/MPJ)
S11a	12530	23-12	0500	Thu	385/00	USB	(AB-POL/HFD)
S11a	9050	23-12	0700	Thu	471/00	USB	(AB)
S11a	6252	24-12	0915	Fri	480/00	USB	(AB)
S11a	8102	24-12	1020	Fri	427/00	USB	(AB)
S11a	5371	25-12	0830	Sat	377/00	USB	(AB)
S11a	11486	25-12	1850	Sat	284/31 Vnimanaye 69260 30713 37260 ... 53744 04764 58627 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	5371	26-12	0830	Sun	376/00	USB	(AB)
S11a	9057	27-12	0510	Mon	655/00	USB	(AB-POL/HFD)
S11a	9050	27-12	0700	Mon	472/00	USB	(AB)
S11a	6252	27-12	0915	Mon	485/00	USB	(AB)
S11a	12530	28-12	0500	Tue	385/00	USB	(AB-POL)
S11a	8102	28-12	1020	Tue	429/00	USB	(AB)
S11a	9057	29-12	0510	Wed	656/00	USB	(AB-POL)
S11a	11486	29-12	1850	Wed	28?/? too weak to copy	USB	(AB-POL/MPJ-AUT)
S11a	12530	30-12	0500	Thu	387/00	USB	(AB-POL)
S11a	9050	30-12	0700	Thu	472/00	USB	(AB)
S11a	6252	31-12	0915	Fri	487/00	USB	(AB)
S11a	8102	31-12	1020	Fri	426/00	USB	(AB)
S28	4625	9-12	1655	Thu	Buzzer, Russian military channel marker	USB	(ChPa)
S28	4625	15-12	0357	Wed	Buzzer, Russian military channel marker	USB	(ChPa)
S28	4625	23-12	0614	Thu	Buzzer, Russian military channel marker	USB	(ChPa)
S28	4625	24-12	0614	Fri	Buzzer, Russian military channel marker	USB	(ChPa)

S28	4625	24-12	1851	Fri	Buzzer, Russian military channel marker	USB	(AB)
S30	3756	9-12	1652	Thu	Pip, Russian military channel marker	USB	(ChPa)
S30	3756	15-12	0355	Wed	Pip, Russian military channel marker	USB	(ChPa)
S30	3756	23-12	1719	Thu	Pip, Russian military channel marker	USB	(ChPa)
S30	3756	24-12	1851	Fri	Pip, Russian military channel marker	USB	(AB)
S30	5448	25-12	0559	Sat	Pip, Russian military channel marker	USB	(AB)
S30	5448	25-12	0559	Sat	Pip, Russian military channel marker	USB	(AB)
S32	3828	9-12	1653	Thu	Squeaky Wheel, Russian military channel marker	USB	(ChPa)
S32	3828	15-12	0356	Wed	Squeaky Wheel, Russian military channel marker	USB	(ChPa)
S32	3828	23-12	1720	Thu	Squeaky Wheel, Russian military channel marker	USB	(ChPa)
S32	3828	24-12	1852	Fri	Squaeky Wheel, Russian military channel marker	USB	(AB)
S32	5473	25-12	0705	Sat	Squeaky Wheel, Russian military channel marker	USB	(AB)
S32	5473	25-12	0705	Sat	Squeaky Wheel, Russian military channel marker	USB	(AB)
UM04	4735	7-12	0800	Tue	Technical problems. Several restarts. Message at 0816z: VVVVV PROMRÍ = 0712 = 1000 1000 0610 0660 0820 1240 ... 0800 0510 0560 0700 1070 = AR	CW	(AB-HNG)
UM04	4735	23-12	0800	Thu	VVVV PROMRÍ = 23 12 = 1000 0590 0650 0820 1220 ... 0800 0480 0520 0650 0970 = AR	CW	(AB-HNG)
UM04	4735	27-12	0803	Mon	VVV VVV PROMRÍ = 2712 = 1000 0620 0680 0840 1260 ... 0800 0490 0530 0650 0980 = AR	CW	(AB-HNG)
UM04	4735	29-12	0800	Wed	VVVVV PROMRÍ = 29 12 = 1000 0650 0700 0860 1290 ... 0800 0490 0530 0660 0990 = AR	CW	(AB-HNG)
UM04	4735	30-12	0800	Thu	VVVVV PROMRÍ = 3012 = 1000 0650 0710 0870 1300 ... 0800 0500 0540 0670 1000 = AR	CW	(AB-HNG)
UM10	3698	5-12	0950	Sun	10-minutes net: D6AN	CW	(F5JBR-J)
UM10	3865	10-12	1852	Fri	10-minutes net: KTR4	CW	(JPL-J)
UM10	3238	10-12	1925	Fri	10-minutes net: D6AN	CW	(JPL-J)
UM10	3865	10-12	1926	Fri	10-minutes net: KTR4	CW	(JPL-J)
UM10	6877	16-12	0855	Thu	10-minutes net: L3AD	CW	(F5JBR-J)
UM10	3865	16-12	0922	Thu	10-minutes net: KTR4	CW	(F5JBR)
UM10	3865	19-12	1026	Sun	10-minutes net: KTR4	CW	(F5JBR-J)
UM10	3238	19-12	1050	Sun	10-minutes net: D6AN	CW	(F5JBR-J)
USB	8131	18-12	0858	Sat	Russian Air Force test counts	RAv	(AB)
V07	10194	5-12	0140	Sun	571 571 571 1 6168 126 6168 126 89767 71737 82890 ... 11552 36826 38692 000 000	USB	(Dan/HFD-USA)
V07	11594	12-12	0100	Sun	571 571 571 1 502 76 502 76 50159 36472 06155 ... 27437 05712 85526 000 000	USB	(Dan/HFD-USA)
V07	10194	12-12	0140	Sun	571 571 571 1 502 76 502 76 50159 36472 06155 ... 27437 05712 85526 000 000	USB	(Dan/HFD-USA)
V07	11594	19-12	0100	Sun	571 571 571 000	USB	(Dan)
V07	10794	19-12	0120	Sun	571 571 571 000	USB	(Dan)
V07	10795.8	26-12	0120	Sun	571 571 571 000 (off frequency)	USB	(Dan)
V13	7688	8-12	1300	Wed	New Star Broadcasting	USB	(AB)
V26	4364	12-12	1130	Sun	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8073	12-12	1130	Sun	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	4364	20-12	1130	Mon	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8073	20-12	1130	Mon	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	4364	23-12	1130	Thu	XSV85 callup in Chinese voice. male operator //8073	USB	(JPL)
X06	16103	1-12	1235	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
X06	14650	4-12	1109	Sat	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(EW)

X06	18523	7-12	1226	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Geoff)
X06	13369	8-12	0830	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB)
X06	12207	10-12	0746	Fri	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	12207	10-12	1052	Fri	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	13420	14-12	0800	Tue	i.p. MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB)
X06	14650	15-12	1103	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	18245	15-12	1257	Wed	MFA Moscow clg 231654: Russian embassy Abuja off 1258	MFSK-6	(AB)
X06	14944	17-12	0823	Fri	MFA Moscow clg 621543: Russian embassy Lisbon end 0830z	MFSK-6	(AB)
X06	13954	17-12	0827	Fri	MFA Moscow clg 213546: Russian embassy Islamabad ended 0840z	MFSK-6	(AB)
X06	12215	17-12	1000	Fri	MFA Moscow clg 361245: Russian embassy Copenhagen	MFSK-6	(AB)
X06	13452	20-12	0753	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB)
X06	12133	20-12	0822	Mon	MFA Moscow clg 263514	MFSK-6	(AB)
X06	14377	20-12	0852	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB)
X06	11438	20-12	1013	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB)
X06	10335	21-12	0851	Tue	MFA Moscow clg 154632	MFSK-6	(AB/RO/Moon)
X06	15836	21-12	0855	Tue	MFA Moscow clg 165423: Russian embassy Brussels	MFSK-6	(AB)
X06	14358	21-12	0938	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB)
X06	15782	21-12	1200	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB)
X06	20690	27-12	0819	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	17475	27-12	0900	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	10127	27-12	0906	Mon	MFA Moscow clg 421635: Russian embassy Oslo	MFSK-6	(AB)
X06	11545	28-12	0759	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB)
X06	13420	28-12	0804	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB)
X06	14824	28-12	1110	Tue	MFA Moscow clg 625413: Russian embassy Tel Aviv ended at 1123z	MFSK-6	(AB)
X06b	13954	5-12	0914	Sun	111666	MFSK-6	(AB)
X06b	10550	28-12	1237	Tue	111666 ended at 1305z	MFSK-6	(AB)
X06d	13250	10-12	0730	Fri	111111 ended at 0857z	CW	(AB)
X06d	15450	10-12	0858	Fri	111111 ended at 1028z	CW	(AB)
X06d	17450	10-12	1018	Fri	111111 ended at 1037z	CW	(AB)
X06d	10150	10-12	1020	Fri	111111 ended at 1034z	CW	(AB)
X06d	14650	10-12	1034	Fri	111111 ended at 1051z	CW	(AB)
X06d	17250	10-12	1050	Fri	111111 ended at 1150z	CW	(AB)
X06d	15820	15-12	0715	Wed	111111 ended at 1200z	CW	(AB)
X06d	11230	15-12	1200	Wed	111111 ended at 1325z	CW	(AB)
X06d	11230	16-12	0905	Thu	111111 ended at 1316z	CW	(AB)
X06d	12550	17-12	0900	Fri	111111 ended at 1051z	CW	(AB)
X06d	12550	24-12	1116	Fri	111111 ended at 1130z	CW	(AB)
X06d	8250	24-12	1130	Fri	111111 15 secs break at 1158z, off at 1200z, back at 1205z. Ended at 1215z	CW	(AB)
X06d	16350	27-12	0850	Mon	111111 ended at 1024z	CW	(AB)
X06d	10350	28-12	0823	Tue	111111 ended at 1058z	CW	(AB)
X06d	6771	29-12	1719	Wed	111111 before E07	CW	(AB)
XPA1	13465	1-12	1310	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/HFD)

XPA1	12165	1-12	1330	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/HFD)
XPA1	10265	1-12	1350	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/HFD)
XPA1	11531	2-12	0810	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB/HFD)
XPA1	12137	2-12	0830	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB/HFD)
XPA1	13932	2-12	0850	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB/HFD)
XPA1	13465	3-12	1310	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	3-12	1330	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	3-12	1350	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	7-12	0810	Tue	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	12137	7-12	0830	Tue	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	13932	7-12	0850	Tue	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	13465	8-12	1310	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ/RL-HOL)
XPA1	12165	8-12	1330	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	8-12	1350	Wed	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	9-12	0810	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	12137	9-12	0830	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	13932	9-12	0850	Thu	395 395 395 1 06393 00150 06070 ... 33147 93620 77600	MFSK-20/10Bd	(AB)
XPA1	13465	10-12	1310	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB)
XPA1	12165	10-12	1330	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB)
XPA1	10265	10-12	1350	Fri	412 412 412 1 02273 00180 06655 ... 08736 95509 73717	MFSK-20/10Bd	(AB)
XPA1	11531	14-12	0810	Tue	395 395 395 000 08224 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA1	12137	14-12	0830	Tue	395 395 395 000 08224 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA1	13932	14-12	0850	Tue	395 395 395 000 08224 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA1	13465	15-12	1310	Wed	412 412 412 000 09065 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	15-12	1330	Wed	412 412 412 000 09065 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	15-12	1350	Wed	412 412 412 000 09065 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	16-12	0810	Thu	395 395 395 000 01672 00001 00000 35260	MFSK-20/10Bd	(AB)
XPA1	12137	16-12	0830	Thu	395 395 395 000 01672 00001 00000 35260	MFSK-20/10Bd	(AB)
XPA1	13932	16-12	0850	Thu	395 395 395 000 01672 00001 00000 35260	MFSK-20/10Bd	(AB)
XPA1	13465	17-12	1310	Fri	412 412 412 000 07481 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	17-12	1330	Fri	412 412 412 000 07481 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	17-12	1350	Fri	412 412 412 000 07481 00001 00000 33667	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	21-12	0810	Tue	395 395 395 000 03639 00001 00000 40656	MFSK-20/10Bd	(AB)
XPA1	12137	21-12	0830	Tue	395 395 395 000 03639 00001 00000 40656	MFSK-20/10Bd	(AB)
XPA1	13932	21-12	0850	Tue	395 395 395 000 03639 00001 00000 40656	MFSK-20/10Bd	(AB)
XPA1	13465	22-12	1310	Wed	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	22-12	1330	Wed	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	22-12	1350	Wed	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	23-12	0810	Thu	395 395 395 000 01427 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	12137	23-12	0830	Thu	395 395 395 000 01427 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	13932	23-12	0850	Thu	395 395 395 000 01427 00001 00000 36653	MFSK-20/10Bd	(AB)
XPA1	13465	24-12	1310	Fri	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB)

XPA1	12165	24-12	1330	Fri	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB)
XPA1	10265	24-12	1350	Fri	412 412 412 1 00648 00065 02301 ... 25884 28036 04123	MFSK-20/10Bd	(AB)
XPA1	11531	28-12	0810	Tue	395 395 395 000 05972 00001 00000 36664	MFSK-20/10Bd	(AB)
XPA1	12137	28-12	0830	Tue	395 395 395 000 05972 00001 00000 36664	MFSK-20/10Bd	(AB)
XPA1	13932	28-12	0850	Tue	395 395 395 000 05972 00001 00000 36664	MFSK-20/10Bd	(AB)
XPA1	13465	29-12	1310	Wed	412 412 412 000 07587 00001 00000 37267	MFSK-20/10Bd	(AB/MPJ)
XPA1	12165	29-12	1330	Wed	412 412 412 000 07587 00001 00000 37267	MFSK-20/10Bd	(AB/MPJ)
XPA1	10265	29-12	1350	Wed	412 412 412 000 07587 00001 00000 37267	MFSK-20/10Bd	(AB/MPJ)
XPA1	11531	30-12	0810	Thu	395 395 395 000 07298 00001 00000 36270	MFSK-20/10Bd	(AB)
XPA1	12137	30-12	0830	Thu	395 395 395 000 07298 00001 00000 36270	MFSK-20/10Bd	(AB)
XPA1	13932	30-12	0850	Thu	395 395 395 000 07298 00001 00000 36270	MFSK-20/10Bd	(AB)
XPA1	13465	31-12	1310	Fri	412 412 412 000 02983 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA1	12165	31-12	1330	Fri	412 412 412 000 02983 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA1	10265	31-12	1350	Fri	412 412 412 000 02983 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA2	11493	1-12	0800	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB/HFD)
XPA2	13393	1-12	0820	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB/HFD)
XPA2	13993	1-12	0840	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB/HFD)
XPA2	13562	1-12	0910	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB/HFD)
XPA2	11583	1-12	0930	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB/HFD)
XPA2	10281	1-12	0950	Wed	00143 00140 99454 ... 48709 13103 76300	MFSK-16/20Bd	(AB/HFD)
XPA2	11579	1-12	1100	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/HFD)
XPA2	10979	1-12	1120	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/HFD)
XPA2	10279	1-12	1140	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/HFD)
XPA2	9389	1-12	1200	Wed	msg	MFSK-16/20Bd	(HFD)
XPA2	9389	1-12	1200	Wed	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/HFD)
XPA2	10289	1-12	1220	Wed	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/HFD)
XPA2	11589	1-12	1240	Wed	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/HFD)
XPA2	7534	2-12	0800	Thu	04604 00130 87172 ... 33633 51408 54430	MFSK-16/20Bd	(AB/HFD)
XPA2	13919	2-12	0910	Thu	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB/HFD)
XPA2	11519	2-12	0930	Thu	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB/HFD)
XPA2	10719	2-12	0950	Thu	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB)
XPA2	11579	2-12	1100	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)
XPA2	10979	2-12	1120	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)
XPA2	10279	2-12	1140	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)
XPA2	8184	2-12	1600	Thu	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	2-12	1620	Thu	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	2-12	1640	Thu	00664 00193 27290 ... 96434 02505 50513	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	3-12	1100	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB/HFD)
XPA2	8165	3-12	1120	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB/HFD)
XPA2	7665	3-12	1140	Fri	00614 00144 08039 ... 59219 48487 54535	MFSK-16/20Bd	(AB/HFD)
XPA2	9389	3-12	1200	Fri	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/MPJ)
XPA2	10289	3-12	1220	Fri	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/MPJ)

XPA2	11589	3-12	1240	Fri	00256 00158 32036 ... 36502 31827 71422	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	4-12	0910	Sat	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB)
XPA2	11519	4-12	0930	Sat	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB)
XPA2	10719	4-12	0950	Sat	00007 00198 42173 ... 64427 02407 71033	MFSK-16/20Bd	(AB)
XPA2	6984	4-12	1600	Sat	07916 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	5884	4-12	1620	Sat	07916 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	4784	4-12	1640	Sat	07916 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	10807	5-12	1200	Sun	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB)
XPA2	12207	5-12	1220	Sun	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB)
XPA2	13507	5-12	1240	Sun	00345 00152 22858 ... 30406 26980 21122	MFSK-16/20Bd	(AB)
XPA2	11493	6-12	0800	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13393	6-12	0820	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13993	6-12	0840	Mon	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13562	6-12	0910	Mon	03507 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	11583	6-12	0930	Mon	03507 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	10281	6-12	0950	Mon	03507 00001 00000 37253	MFSK-16/20Bd	(AB)
XPA2	6984	6-12	1600	Mon	08638 00001 00000 40263	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	6-12	1620	Mon	08638 00001 00000 40263	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	6-12	1640	Mon	08638 00001 00000 40263	MFSK-16/20Bd	(AB/MPJ)
XPA2	16338	7-12	1000	Tue	00316 00992 02128 ... 57916 06960 25304	MFSK-16/20Bd	(AB)
XPA2	14538	7-12	1020	Tue	00316 00992 02128 ... 57916 06960 25304	MFSK-16/20Bd	(AB)
XPA2	13438	7-12	1040	Tue	00316 00992 02128 ... 57916 06960 25304	MFSK-16/20Bd	(AB)
XPA2	9265	7-12	1100	Tue	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	8165	7-12	1120	Tue	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	7665	7-12	1140	Tue	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	10807	7-12	1200	Tue	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/RL-HOL/HFD)
XPA2	12207	7-12	1220	Tue	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/HFD)
XPA2	13507	7-12	1240	Tue	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/HFD)
XPA2	12229	7-12	1400	Tue	00461 00993 17991 ... 43854 64751 50431	MFSK-16/20Bd	(AB)
XPA2	11129	7-12	1420	Tue	00461 00993 17991 ... 43854 64751 50431	MFSK-16/20Bd	(AB)
XPA2	10429	7-12	1440	Tue	00461 00993 17991 ... 43854 64751 50431	MFSK-16/20Bd	(AB)
XPA2	8184	7-12	1600	Tue	02263 00001 00000 33660	MFSK-16/20Bd	(AB/HFD)
XPA2	7684	7-12	1620	Tue	02263 00001 00000 33660	MFSK-16/20Bd	(AB/HFD)
XPA2	6784	7-12	1640	Tue	02263 00001 00000 33660	MFSK-16/20Bd	(AB/HFD)
XPA2	11493	8-12	0800	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13393	8-12	0820	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13993	8-12	0840	Wed	00592 00089 91408 ... 58797 29345 52323	MFSK-16/20Bd	(AB)
XPA2	13562	8-12	0910	Wed	off after 1 minute	MFSK-16/20Bd	(AB)
XPA2	11583	8-12	0930	Wed	01934 00001 00000 37654	MFSK-16/20Bd	(AB)
XPA2	10281	8-12	0950	Wed	01934 00001 00000 37654	MFSK-16/20Bd	(AB)
XPA2	11579	8-12	1100	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)
XPA2	10979	8-12	1120	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)

XPA2	10279	8-12	1140	Wed	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB)
XPA2	9389	8-12	1200	Wed	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	10289	8-12	1220	Wed	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB/MPJ)
XPA2	11589	8-12	1240	Wed	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	13919	9-12	0910	Thu	05410 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	11519	9-12	0930	Thu	05410 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	10719	9-12	0950	Thu	05410 00001 00000 33256	MFSK-16/20Bd	(AB)
XPA2	11579	9-12	1100	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/MPJ)
XPA2	10979	9-12	1120	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/MPJ)
XPA2	10279	9-12	1140	Thu	00241 00118 56626 ... 59356 11082 54773	MFSK-16/20Bd	(AB/MPJ)
XPA2	8184	9-12	1600	Thu	05926 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	9-12	1620	Thu	05926 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	9-12	1640	Thu	05926 00001 00000 40657	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	10-12	1100	Fri	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	8165	10-12	1120	Fri	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	7665	10-12	1140	Fri	00510 00081 55365 ... 43804 07474 25647	MFSK-16/20Bd	(AB)
XPA2	9389	10-12	1200	Fri	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB)
XPA2	10289	10-12	1220	Fri	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB)
XPA2	11589	10-12	1240	Fri	01762 00092 59191 ... 94295 05340 04103	MFSK-16/20Bd	(AB)
XPA2	13919	11-12	0910	Sat	03991 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	11519	11-12	0930	Sat	03991 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	10719	11-12	0950	Sat	03991 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	16338	11-12	1000	Sat	Long message	MFSK-16/20Bd	(AB)
XPA2	14538	11-12	1020	Sat	Long message	MFSK-16/20Bd	(AB)
XPA2	13438	11-12	1040	Sat	Long message	MFSK-16/20Bd	(AB)
XPA2	12229	11-12	1400	Sat	00536 00994 90810 ... 77668 61217 62647	MFSK-16/20Bd	(AB)
XPA2	11129	11-12	1420	Sat	00536 00994 90810 ... 77668 61217 62647	MFSK-16/20Bd	(AB)
XPA2	10429	11-12	1440	Sat	00536 00994 90810 ... 77668 61217 62647	MFSK-16/20Bd	(AB)
XPA2	6984	11-12	1600	Sat	05072 00001 00000 32264	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	11-12	1620	Sat	05072 00001 00000 32264	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	11-12	1640	Sat	05072 00001 00000 32264	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	12-12	1200	Sun	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	12-12	1220	Sun	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	12-12	1240	Sun	04226 00084 07812 ... 01349 49785 71020	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	13-12	0800	Mon	09557 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13393	13-12	0820	Mon	09557 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13993	13-12	0840	Mon	09557 00001 00000 37266	MFSK-16/20Bd	(AB)
XPA2	13562	13-12	0910	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11583	13-12	0930	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	10281	13-12	0950	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	6984	13-12	1600	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5884	13-12	1620	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ/HFD)

XPA2	4784	13-12	1640	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	16338	14-12	1000	Tue	00471 00993 90784 ... 96952 31765 04353	MFSK-16/20Bd	(AB)
XPA2	14538	14-12	1020	Tue	00471 00993 90784 ... 96952 31765 04353	MFSK-16/20Bd	(AB)
XPA2	13438	14-12	1040	Tue	00471 00993 90784 ... 96952 31765 04353	MFSK-16/20Bd	(AB)
XPA2	9265	14-12	1100	Tue	02204 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	8165	14-12	1120	Tue	02204 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	7665	14-12	1140	Tue	02204 00001 00000 34252	MFSK-16/20Bd	(AB)
XPA2	10807	14-12	1200	Tue	07164 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	12207	14-12	1220	Tue	07164 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	13507	14-12	1240	Tue	07164 00001 00000 33665	MFSK-16/20Bd	(AB)
XPA2	12229	14-12	1400	Tue	00237 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	11129	14-12	1420	Tue	00237 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	10429	14-12	1440	Tue	00237 00001 00000 35653	MFSK-16/20Bd	(AB)
XPA2	8184	14-12	1600	Tue	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	14-12	1620	Tue	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	14-12	1640	Tue	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	15-12	0800	Wed	05771 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	13393	15-12	0820	Wed	05771 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	13993	15-12	0840	Wed	05771 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	13562	15-12	0910	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11583	15-12	0930	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	10281	15-12	0950	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11579	15-12	1100	Wed	06617 00001 00000 36557	MFSK-16/20Bd	(AB)
XPA2	10979	15-12	1120	Wed	06617 00001 00000 36557	MFSK-16/20Bd	(AB)
XPA2	10279	15-12	1140	Wed	06617 00001 00000 36557	MFSK-16/20Bd	(AB)
XPA2	9389	15-12	1200	Wed	03533 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	10289	15-12	1220	Wed	03533 00001 00000 35256	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	11589	15-12	1240	Wed	03533 00001 00000 35256	MFSK-16/20Bd	(AB)
XPA2	13919	16-12	0910	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11519	16-12	0930	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	10719	16-12	0950	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11579	16-12	1100	Thu	07421 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	10979	16-12	1120	Thu	07421 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	10279	16-12	1140	Thu	07421 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	8184	16-12	1600	Thu	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB)
XPA2	7684	16-12	1620	Thu	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB)
XPA2	6784	16-12	1640	Thu	00269 00211 13486 ... 88580 32665 73376	MFSK-16/20Bd	(AB)
XPA2	9265	17-12	1100	Fri	01276 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	8165	17-12	1120	Fri	01276 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	7665	17-12	1140	Fri	01276 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	9389	17-12	1200	Fri	06116 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	10289	17-12	1220	Fri	06116 00001 00000 34657	MFSK-16/20Bd	(AB)

XPA2	11589	17-12	1240	Fri	06116 00001 00000 34657	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	13919	18-12	0910	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11519	18-12	0930	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	10719	18-12	0950	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	16338	18-12	1000	Sat	00721 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	14538	18-12	1020	Sat	00721 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	13438	18-12	1040	Sat	00721 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	12229	18-12	1400	Sat	00619 00918 14975 ... 71377 76185 66644	MFSK-16/20Bd	(AB)
XPA2	11129	18-12	1420	Sat	00619 00918 14975 ... 71377 76185 66644	MFSK-16/20Bd	(AB)
XPA2	10429	18-12	1440	Sat	00619 00918 14975 ... 71377 76185 66644	MFSK-16/20Bd	(AB)
XPA2	6984	18-12	1600	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	18-12	1620	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	18-12	1640	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	19-12	1200	Sun	01703 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	19-12	1220	Sun	01703 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	19-12	1240	Sun	01703 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	20-12	0800	Mon	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)
XPA2	13393	20-12	0820	Mon	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)
XPA2	13993	20-12	0840	Mon	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)
XPA2	13562	20-12	0910	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11583	20-12	0930	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	10281	20-12	0950	Mon	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	6984	20-12	1600	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	5884	20-12	1620	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	4784	20-12	1640	Mon	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	16338	21-12	1000	Tue	00276 00999 82138 ... 37974 27768 17170	MFSK-16/20Bd	(AB/EW)
XPA2	14538	21-12	1020	Tue	00276 00999 82138 ... 37974 27768 17170	MFSK-16/20Bd	(AB)
XPA2	13438	21-12	1040	Tue	00276 00999 82138 ... 37974 27768 17170	MFSK-16/20Bd	(AB)
XPA2	9265	21-12	1100	Tue	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	8165	21-12	1120	Tue	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	7665	21-12	1140	Tue	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	10807	21-12	1200	Tue	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	21-12	1220	Tue	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	21-12	1240	Tue	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB/MPJ)
XPA2	12229	21-12	1400	Tue	00439 00951 69207 ... 93831 56099 42771	MFSK-16/20Bd	(AB)
XPA2	11129	21-12	1420	Tue	00439 00951 69207 ... 93831 56099 42771	MFSK-16/20Bd	(AB)
XPA2	10429	21-12	1440	Tue	00439 00951 69207 ... 93831 56099 42771	MFSK-16/20Bd	(AB)
XPA2	8184	21-12	1600	Tue	06878 00001 00000 41265	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	21-12	1620	Tue	06878 00001 00000 41265	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	21-12	1640	Tue	06878 00001 00000 41265	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	22-12	0800	Wed	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)
XPA2	13393	22-12	0820	Wed	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)

XPA2	13993	22-12	0840	Wed	03563 00087 24472 ... 00873 92820 65713	MFSK-16/20Bd	(AB)
XPA2	13562	22-12	0910	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11583	22-12	0930	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	10281	22-12	0950	Wed	04446 00096 98271 ... 44290 37162 64377	MFSK-16/20Bd	(AB)
XPA2	11579	22-12	1100	Wed	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB)
XPA2	10979	22-12	1120	Wed	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB)
XPA2	10279	22-12	1140	Wed	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB)
XPA2	9389	22-12	1200	Wed	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB/MPJ)
XPA2	10289	22-12	1220	Wed	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB/MPJ)
XPA2	11589	22-12	1240	Wed	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB/MPJ)
XPA2	13919	23-12	0910	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11519	23-12	0930	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	10719	23-12	0950	Thu	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11579	23-12	1100	Thu	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB/MPJ)
XPA2	10979	23-12	1120	Thu	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB/MPJ)
XPA2	10279	23-12	1140	Thu	04225 00149 89465 ... 03492 54550 07617	MFSK-16/20Bd	(AB/MPJ)
XPA2	8184	23-12	1600	Thu	01063 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	7684	23-12	1620	Thu	01063 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	6784	23-12	1640	Thu	01063 00001 00000 32657	MFSK-16/20Bd	(AB)
XPA2	9265	24-12	1100	Fri	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	8165	24-12	1120	Fri	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	7665	24-12	1140	Fri	00297 00078 84001 ... 92615 87989 15445	MFSK-16/20Bd	(AB)
XPA2	9389	24-12	1200	Fri	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB)
XPA2	10289	24-12	1220	Fri	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB)
XPA2	11589	24-12	1240	Fri	04096 00080 37435 ... 31716 80330 73034	MFSK-16/20Bd	(AB)
XPA2	13919	25-12	0910	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	11519	25-12	0930	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	10719	25-12	0950	Sat	00531 00176 36762 ... 93527 49983 14505	MFSK-16/20Bd	(AB)
XPA2	16338	25-12	1000	Sat	00353 00001 00000 34255	MFSK-16/20Bd	(AB)
XPA2	14538	25-12	1020	Sat	00353 00001 00000 34255	MFSK-16/20Bd	(AB)
XPA2	13438	25-12	1040	Sat	00353 00001 00000 34255	MFSK-16/20Bd	(AB)
XPA2	12229	25-12	1400	Sat	00788 00990 69569 ... 87085 48092 21007	MFSK-16/20Bd	(AB)
XPA2	11129	25-12	1420	Sat	00788 00990 69569 ... 87085 48092 21007	MFSK-16/20Bd	(AB)
XPA2	10429	25-12	1440	Sat	00788 00990 69569 ... 87085 48092 21007	MFSK-16/20Bd	(AB)
XPA2	6984	25-12	1600	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	5884	25-12	1620	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	4784	25-12	1640	Sat	00163 00184 10601 ... 15306 77561 42246	MFSK-16/20Bd	(AB)
XPA2	10807	26-12	1200	Sun	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB)
XPA2	12207	26-12	1220	Sun	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB)
XPA2	13507	26-12	1240	Sun	04370 00068 21039 ... 24436 51071 36641	MFSK-16/20Bd	(AB)
XPA2	11493	27-12	0800	Mon	02778 00001 00000 31260	MFSK-16/20Bd	(AB)
XPA2	13393	27-12	0820	Mon	02778 00001 00000 31260	MFSK-16/20Bd	(AB)

XPA2	13993	27-12	0840	Mon	02778 00001 00000 31260	MFSK-16/20Bd	(AB)
XPA2	13562	27-12	0910	Mon	08619 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	11583	27-12	0930	Mon	08619 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	10281	27-12	0950	Mon	08619 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	6984	27-12	1600	Mon	03796 00001 00000 37663	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	5884	27-12	1620	Mon	03796 00001 00000 37663	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	4784	27-12	1640	Mon	03796 00001 00000 37663	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	9265	28-12	1100	Tue	09691 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	8165	28-12	1120	Tue	09691 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	7665	28-12	1140	Tue	09691 00001 00000 34672	MFSK-16/20Bd	(AB)
XPA2	10807	28-12	1200	Tue	04588 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	12207	28-12	1220	Tue	04588 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	13507	28-12	1240	Tue	04588 00001 00000 37664	MFSK-16/20Bd	(AB/MPJ/RL-HOL)
XPA2	8184	28-12	1600	Tue	06576 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	28-12	1620	Tue	06576 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	28-12	1640	Tue	06576 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	29-12	0800	Wed	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13393	29-12	0820	Wed	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13993	29-12	0840	Wed	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	13562	29-12	0910	Wed	07894 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	11583	29-12	0930	Wed	07894 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	10281	29-12	0950	Wed	07894 00001 00000 37270	MFSK-16/20Bd	(AB)
XPA2	11579	29-12	1100	Wed	08190 00001 00000 31671	MFSK-16/20Bd	(AB/MPJ)
XPA2	10979	29-12	1120	Wed	08190 00001 00000 31671	MFSK-16/20Bd	(AB/MPJ)
XPA2	10279	29-12	1140	Wed	08190 00001 00000 31671	MFSK-16/20Bd	(AB/MPJ)
XPA2	9389	29-12	1200	Wed	07501 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	10289	29-12	1220	Wed	07501 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	11589	29-12	1240	Wed	07501 00001 00000 34257	MFSK-16/20Bd	(AB)
XPA2	13919	30-12	0910	Thu	09606 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	11519	30-12	0930	Thu	09606 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	10719	30-12	0950	Thu	09606 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	11579	30-12	1100	Thu	04262 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	10979	30-12	1120	Thu	04262 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	10279	30-12	1140	Thu	04262 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	8184	30-12	1600	Thu	01416 00001 00000 36252	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	30-12	1620	Thu	01416 00001 00000 36252	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	30-12	1640	Thu	01416 00001 00000 36252	MFSK-16/20Bd	(AB/MPJ)
XPA2	9265	31-12	1100	Fri	05872 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	8165	31-12	1120	Fri	05872 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	7665	31-12	1140	Fri	05872 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	9389	31-12	1200	Fri	04027 00001 00000 34656	MFSK-16/20Bd	(AB/MPJ)
XPA2	10289	31-12	1220	Fri	04027 00001 00000 34656	MFSK-16/20Bd	(AB/MPJ)

XPA2	11589	31-12	1240	Fri	04027 00001 00000 34656	MFSK-16/20Bd	(AB/MPJ)
XPB1	14978	1-12	1200	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13978	1-12	1210	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13378	1-12	1220	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12178	1-12	1230	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11078	1-12	1240	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10278	1-12	1250	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14483	4-12	1100	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13983	4-12	1110	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13483	4-12	1120	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12183	4-12	1130	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11583	4-12	1140	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10983	4-12	1150	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14978	4-12	1200	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13978	4-12	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13378	4-12	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12178	4-12	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11078	4-12	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10278	4-12	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8058	5-12	2000	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7558	5-12	2010	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5858	5-12	2020	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5158	5-12	2030	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4858	5-12	2040	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4458	5-12	2050	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4458	5-12	2050	Sun	msg	MFSK-16	(HFD)
XPB1	12119	6-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	6-12	0610	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13919	6-12	0620	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14418	6-12	0630	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14918	6-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	6-12	0650	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14483	6-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	6-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	6-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	6-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	6-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	6-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12119	7-12	0600	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13419	7-12	0610	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13919	7-12	0620	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	14418	7-12	0630	Tue	Russian intel.	MFSK-16	(AB/HFD)

XPB1	14918	7-12	0640	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15918	7-12	0650	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8058	7-12	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7558	7-12	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5858	7-12	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5158	7-12	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4858	7-12	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4458	7-12	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14978	8-12	1200	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13978	8-12	1210	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13378	8-12	1220	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12178	8-12	1230	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11078	8-12	1240	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10278	8-12	1250	Wed	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14483	11-12	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	11-12	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13483	11-12	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12183	11-12	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11583	11-12	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10983	11-12	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14978	11-12	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13978	11-12	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13378	11-12	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12178	11-12	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11078	11-12	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10278	11-12	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
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XPB1	13483	13-12	1120	Mon	Russian intel.	MFSK-16	(AB/MPJ)
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XPB1	10983	13-12	1150	Mon	Russian intel.	MFSK-16	(AB/MPJ)
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XPB1	4458	14-12	2050	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	10278	15-12	1250	Wed	Russian intel.	MFSK-16	(AB)
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XPB1	13983	18-12	1110	Sat	Russian intel.	MFSK-16	(AB)
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XPB1	13378	18-12	1220	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12178	18-12	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11078	18-12	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10278	18-12	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	19-12	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7558	19-12	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5858	19-12	2020	Sun	Russian intel.	MFSK-16	(AB)
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XPB1	4458	19-12	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12119	20-12	0600	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13419	20-12	0610	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	15918	20-12	0650	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	14918	21-12	0640	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15918	21-12	0650	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	7558	21-12	2010	Tue	Russian intel.	MFSK-16	(AB/RL)
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XPB1	12178	22-12	1230	Wed	Russian intel.	MFSK-16	(AB)
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XPB1	14483	25-12	1100	Sat	Russian intel.	MFSK-16	(AB)
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XPB1	12183	25-12	1130	Sat	Russian intel.	MFSK-16	(AB)
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XPB1	12178	25-12	1230	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11078	25-12	1240	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10278	25-12	1250	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	26-12	2000	Sun	Russian intel.	MFSK-16	(AB)
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XPB1	5858	26-12	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5158	26-12	2030	Sun	Russian intel.	MFSK-16	(AB)

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XPB1	14918	27-12	0640	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15918	27-12	0650	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	5158	28-12	2030	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	4458	28-12	2050	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	13378	29-12	1220	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12178	29-12	1230	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11078	29-12	1240	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10278	29-12	1250	Wed	Russian intel.	MFSK-16	(AB)
XSL	4231.5	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8587.5	11-12	0740	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

XSL	6417	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	8587.5	23-12	1045	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	4231.5	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	6417	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	6445	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	8313	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8587.5	30-12	1741	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
Abder	Abder
AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-HNG	Ary Boender via remote rx Hungary
AB-ISR	Ary Boender via remote rx in Israel
AB-J	Ary Boender via remote rx Japan
AB-KOR	Ary Boender via remote rx South Korea
AB-POL	Ary Boender via remote rx Poland
AB-ROU	Ary Boender via remote rx Romania
AB-RUS	Ary Boender via remote rx Russia
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
AVX	AlphaVax, Germany
AVX-J	AlphaVax via remote rx Japan
ChPa	Christer, Sweden
Dan	Daniel LU5EMM, Argentina
ES-RUS	Edward Smith via remote rx Russia
EW	Eddy Waters, Australia
F5JBR	F5JBR André, France
F5JBR-J	F5JBR André via remote rx Japan
Geoff	Geoff
GHn	Gary Hagermann, UK
HFD	Hans-Friedrich Dumrese, Germany
HFD-FIN	Hans-Friedrich Dumrese via remote rx Finland
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
JPL	JPL, NB, Canada (and various remote rx)
JPL-J	JPL via remote rx Japan
JPL-NOR	JPL via remote rx Norway
linkz	Linkz, S.E. France
Moon	Moonlight (Dave)
MPJ	Jim, SW England
MPJ-AUT	Jim via remote rx Austria
MPJ-FIN	Jim via remote rx Finland
MPJ-HNG	Jim via remote rx Hungary
MPJ-POL	Jim via remote rx Poland
MPJ-RUS	Jim via remote rx Russia
PY	Pierre Ynard, France and via remote rx
RD	Richard Dillman
RL	Roberto Landolpho, Brazil
RL-HOL	Roberto Landolpho via remote rx Netherlands
RO	Rando One via Priyom
T101	RadiotekhnikaT101 via Priyom

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, G06b, 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, G06b, S06, S06b, S06c, M14, F01, F06, F06a
G06b	German	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, G06b, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, G06b, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, G06b, 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, G06b, 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
X06	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06a	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06b	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06c	MFSK-6	Russia	X06a, X06b, X06c, X06d
X06d	CW	Russia	X06a, X06b, X06c, X06d
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	Pietiorika	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba | y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	—
Out	Out	Konets	

Note: M03 and M08a are defunct.

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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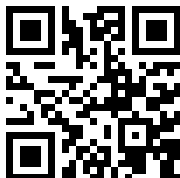
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976 27364 92886 89428 61288 14982 36498 32764 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 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
57 68768 68763 34234 34238 68768 62342 48273 48768 230
936 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
983 98798 98754 98754 98754 98754 29867 67543 67986 86
976 87698 69876 87698 69876 87612 12341 34867 86798 652
867 43298 65656 56756 56123 32143 14321 32143 14321 321
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