

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
701	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	80
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	40
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
93	98798	98754	98754	98754	98754	29867	67543	67986	90
6	87698	69876	87698	69876	87612	12341	34867	86798	60
7	43298	65656	56756	56123	32143	14321	32143	14321	30
707	58767	76587	58765	76587	58765	76587	58765	76587	50

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #267, December 2019

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.



-. ..- -- -. . .-- -. -. . .- -. . . .- -.



Swiss Air Force FLORAKO radar site on top of Mount Pilatus, near Lucerne, Switzerland. Picture © Ary Boender

I'd like to say THANKS to Ron and Jim for their continuing support and also to all the people who contributed to UDXF and N&O in the past year. I hope that you will keep sending us your logs and info. I wish you and your dear ones a great 2020 !

Gelukkige Nuwejaar
 Ilufio Ètussé
 Gëzuar Vitin E Ri
 E Glëckliches Nëies
 سعيد عام
 Շնորհավոր 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

ឆ្លាត្បាត: អុក្ខា
 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 Nytår
 Sale Naw Tabrik
 Mbu Mwa Bwam
 Gelukkig Nieuwjaar
 Happy New Year
 Feliĉan 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
 Bònn Ané
 Barka Da Sabuwar Shekara
 Hauoli Makahiki Hou
 טובה שנה
 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
 >P>Г >CГ >A<P<C
 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
 Umwaka Mwiza
 Жаңы Жылыңыздар Менен
 새해 복 많이 받으세요
 Sala We Ya Nû Pîroz Be
 Mvhura Zompe Zongwa
 ສະຫງວນຢູ່
 Felix Sit Annus Novus
 Laimīgu Jauno Gadu
 Bón Ànno Nêuvo
 Bonana
 Laimingū Naujujū Metų
 Gelükkig Nyjaar
 Omwaka Omulungi
 E Gudd Neit Joër
 Сре́зна 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 Хүргэе
 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
 مبارک 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 Ođđa Jagi
 Leklvaz Ođđ Ee ´jj
 Buerie Orre Jaepie
 Nzoni Fini Ngou
 Bonu Annu Nou
 Bliadhna Mhath Ur
 Сре́зна Нова Година
 Mwaha Mwema
 Goredzva Rakanaka
 Nain Saal Joon Wadhayoon
 ශ්‍රවණ අළුත් අවුරුද්දක් වේවා
 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 Мыбopak
 Lhochharla Jyaba Danba
 Assugas Amegaz
 இனிய புத்தாண்டு நல்வாழ்த்துக்கள்
 Yaña Yıl Belän
 నూతన సంవత్సర శుభాకాంక్షలు
 སྐྱིད་ལོ་གྲོལ་བ་ལྟོགས།
 ལྷོ། །བུ་མི་མ་འདྲེ་ལྟམ།
 Sanat Farah Wa Khare
 Tshidimu Tshilenga
 Itumelele Ngwaga O Mosha
 Posa Varshada Shubashaya
 Yeni Yılınız Kutlu Olsun
 Gluk In'n Tuk
 Afehyia Pa
 Vyl' Aren
 Щасливого Нового Року
 Naya Sal Mubarak
 Yangi Yilingiz Qutlug' Bo'Isin
 Chúc Mừng Năm Mới
 Ene Boune Anéye
 Blwyddyn Newydd Dda
 Bon Lanné
 Dewenati
 Nyak'omtsha
 རྒྱ་ལུ་མེ་
 Eku Odun
 Barka'n Da Djiri Tagio
 Unyaka Omusha Omuhle

FOREWORD

Welcome to N&O #267. Included are a lot of logs, transcripts and the 2019 index. Next month we hope to celebrate N&O's 25th birthday!! Time flies.....

19 December: FSB attacked

A gunman attacked the reception of the Lubyanka building in Moscow, home of Russia's Federal Security Service (FSB). Ironically the shooting happened on Russia's "Day of the Security Forces". According to the FSB, one FSB officer has been killed during the shooting. The Health Ministry said in a statement that five people had been injured. News agency "Agentstva Moskva" reported that three gunmen had stormed the FSB building in the attack. Two of them were killed in the initial shootout. The third attacker escaped but has been killed by security forces shortly after the attack. The FSB however denied that there had been three gunmen. *Sources: RIA News, Moscow and Agentstva Moskva, Moscow*

Secret Communications exhibition

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

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

You have one last chance to visit the Secret Communications exhibition if you like. Here are the details:

Open from 1000 to 1700 hours local time on Sunday 12 January 2020.

Address: Kloosterstraat 23-25, 1115 BJ Duivendrecht, Netherlands

VOICE STATIONS

E06

14575 kHz, 05-12/06-12, 0600 UTC

17420 kHz, 05-12/06-12, 0700 UTC

923 167 50

06956 37627 12379 44444 22717 58057 26301 93971 33272 77880
83385 57809 62399 62580 48973 30082 14864 27580 23184 26401
18793 38875 37831 89996 86115 10004 05006 78359 64515 55524
53244 87868 79314 94213 12247 21092 88744 19153 32053 26456
01025 76891 47643 64963 26707 22892 24874 83645 64698 45420
167 50 00000

4836 kHz, 05-12, 2030 UTC

312 472 52

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

4760 kHz, 06-12, 2130 UTC

472 149 52

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

Windows shut down sound

14575 kHz, 19-12/20-12, 0600 UTC

17420 kHz, 19-12/20-12, 0700 UTC

923 648 51

45630 84473 48404 44444 94959 53727 81842 07112 48451 12745
60399 45642 11929 94711 45380 07522 12337 82574 67615 02338
49840 13264 67293 83747 31262 88645 67492 10865 45812 97904
04837 95308 69033 81040 65724 76068 05914 88162 01551 89400
09092 14271 21383 25923 33097 14222 85504 92108 10567 27544
48282

648 51 00000

4836 kHz, 19-12, 2030 UTC

321 991 45

12435 76426 05698 65615 65790 43483 23453 83874 12453 16452
68716 08343 24102 88748 72657 03126 73561 61123 87122 83823
84774 61251 87891 23437 94526 13242 17964 43525 12121 21198
64265 42346 56781 44322 38765 32145 63451 22344 56944 13368
78265 14368 12346 73416 32442

991 45 00000

Windows shut down sound

4760 kHz, 20-12, 2130 UTC

472 991 45

12435 76426 05698 65615 65790 43483 23453 83874 12453 16452
68716 08343 24102 88748 72657 03126 73561 61123 87122 83823
84774 61251 87891 23437 94526 13242 17964 43525 12121 21198
64265 42346 56781 44322 38765 32145 63451 22344 56944 13368
78265 14368 12346 73416 32442

991 45 00000

Windows shut down sound

E07

9326/10426/11526 kHz, 01-12, 0700/0720/0740 UTC

345 345 345 1 822 14 822 14

67853 13786 69092 87289 60192 77454 93037 96338 25303 79834
82683 10819 75920 25830 000 000

6823/5823/5123 kHz, 02-12/04-12, 2000/2020/2040 UTC

881 881 881 1 862 140 862 140

72707 04413 34596 29407 18486 29166 59830 80219 60775 82364
48592 83969 53460 79901 65673 95144 23623 97129 23866 39757
08317 19984 99304 42041 85995 48804 91583 40391 72613 71785
63517 33363 84051 02189 00840 53464 91650 18376 44148 76129
19746 19461 14513 42048 70606 15949 01988 14770 86932 29188
36719 39218 26932 30442 20073 30553 31133 39679 71804 24109
41708 63063 37656 71683 49505 83775 24450 07284 69223 39670
63811 16528 67560 42643 03902 28899 67217 42867 41505 79876
78083 63828 31456 69564 41953 51488 80804 54179 62091 78052
55730 03285 42384 11050 41431 91834 21529 44480 29019 01745
66915 15330 58018 04163 38960 71369 25362 89553 52106 62169
87958 65294 77652 51142 72820 40079 05250 45850 57376 09542
89332 75298 57438 22007 84429 35578 26847 02027 93282 08127
49308 99473 90139 70868 86245 48214 81234 79349 96140 96430
000 000

14364/14964/15964 kHz, 03-12/06-11, 0700/0720/0740 UTC

399 399 399 1 9231 152 9231 152
37297 76621 18091 59068 91229 42480 32542 20411 16187 76032
21262 14744 16708 25495 16589 54713 85664 94980 72195 38585
22906 04140 89805 24805 76387 95433 16387 29874 73487 23643
30754 01829 12373 96925 16861 89216 79333 85886 67602 02789
93820 72072 66903 71343 92353 24035 79594 26522 66750 97370
05637 82737 39442 35268 71618 15750 37953 26879 18537 12874
94099 17459 71065 02331 94043 42989 34257 90965 68231 50031
10484 86523 47949 54753 70066 79315 32272 56760 12002 29018
28861 39776 51823 63984 05459 22531 39110 89020 35932 92821
95874 16098 45251 93366 83130 26407 77861 72971 22546 41077
70001 81835 37421 33556 11997 63324 91614 55462 38365 98995
98399 02014 68985 00948 94298 41516 28190 70155 87845 91007
13615 46128 03501 70181 83638 84031 11263 78420 58727 16595
07127 32650 55851 42171 47491 51547 85911 25596 20084 01942
28887 45000 26554 25142 41020 52554 29551 87102 03362 21753
89449 40369 000 000

11493/10193/8193 kHz, 03-12/06-12, 1100/1120/1140 UTC

411 411 411 1 2289 177 2289 177
86908 78222 26091 35237 82503 98670 70031 26654 14714 23752
83244 89175 37589 39597 19840 79158 14521 66977 39508 38752
79511 97687 70595 13615 02933 43312 27637 32427 96286 86817
50808 75767 18996 74758 10739 87114 13418 32058 28961 35837
37532 72708 01852 03425 82388 46054 61972 79081 87744 34908
73230 86523 88500 87658 92514 23441 05882 92283 72057 82629
86232 79264 12243 46337 11580 33768 21394 61086 44898 31042
76236 83254 12615 12260 88489 15569 96680 37993 78308 64243
69344 67497 23658 93417 93822 07952 74395 40346 84974 94200
11437 92229 01838 49183 41651 04230 21414 73743 35088 04061
01748 41291 61883 27550 50976 09373 59466 52183 82611 15117
06901 32434 99711 81433 61081 33899 13921 31413 09901 02787
57010 03129 47276 08334 54352 64890 92638 43192 62894 63945
83833 41788 56388 61213 96828 02165 28299 72665 44090 72281
86939 92458 04773 89588 22407 67352 11721 99069 94141 21524
85959 89350 69013 09910 32123 27237 07428 77274 34588 70590
75494 29735 74166 06567 31966 67370 75623 32956 53217 50755
21121 32262 31145 43880 27034 01201 86734 000 000

9326/10426/11526 kHz, 08-12/15-12/22-12, 0700/0720/0740 UTC

345 345 345 1 795 97 795 97
47052 40021 89441 96582 26221 49046 03636 98932 58469 62509
49214 85740 23373 08458 76090 46378 43534 25466 01747 31613
95668 92584 92376 89564 37733 11530 42369 22457 49140 93968
36792 82060 10812 26028 40511 69210 81483 77762 99938 21633
31710 87545 05938 91933 78871 63327 56646 99429 92733 83658
39656 87036 16989 99678 87693 32697 38291 50744 58761 20880
09491 58136 96813 78051 24398 78535 17437 74571 99731 14664
76897 37916 61252 32346 80435 84336 90747 31776 38425 77036
96264 08017 99986 47953 37850 36495 14790 98117 55158 76492
21330 76254 48301 96502 40994 55532 83670 000 000

11493/10193/8193 kHz, 10-12/13-12, 1100/1120/1140 UTC

411 411 411 1 314 39 314 39
14549 90755 42689 86929 16793 02558 04575 10661 80188 12444
62950 30585 08359 74605 83455 60585 27906 49420 66253 50999
25045 88170 16622 42108 07639 43913 63838 56966 00638 74737
75817 48220 67286 56570 61826 55325 88684 05030 85320 000 000

10226/9226/8126 kHz, 12-12/14-12, 1410/1430/1450 UTC

674 674 674 1 367 23 367 23

56128 37184 40014 72077 58822 19270 39643 19775 76978 94731

16854 45153 70342 63593 75268 40832 06896 97025 03382 25724

42701 08489 38475 000 000

9143/8143/7643 kHz, 14-12/21-12, 1400/1420/1440 UTC

116 116 116 1 795 97 795 97

47052 40021 89441 96582 26221 49046 03636 98932 48469 62509

49214 85740 23373 08458 76090 46378 43534 25466 01746 31613

95668 92584 92376 89564 37733 11530 42369 22457 49140 93968

36792 82060 10812 26028 40511 69210 81483 77762 99938 21633

31710 87545 05938 91933 78871 63327 56646 99429 92733 83658

39656 87036 16989 99678 87693 32697 38291 50744 58761 20880

09491 58136 96813 78051 24398 78535 17437 74571 99731 14664

76897 37916 61252 32346 80435 84336 90747 31776 38425 77036

96264 08017 99986 47953 37850 36495 14790 98117 55158 76492

21330 76254 48301 96502 40994 55532 83670 000 000

6771/5871/4571 kHz, 15-12/18-12, 1800/1834/1909 UTC

785 785 785 1 7972 271 7972 271

76967 45606 14032 79881 36208 03872 57332 74713 15188 30187

29486 01419 50961 00132 41963 31530 22611 25959 71088 57708

58741 47916 69693 25755 54656 21654 48977 05872 94047 11571

46980 13489 10457 47111 05142 09887 25355 50252 35888 28400

78870 02426 08048 18226 56666 36642 63236 85961 94187 24101

73518 89347 06544 84741 75790 62786 08059 55841 24211 86990

10056 45395 59309 90895 01022 86226 92269 75348 00727 78022

80865 66562 13159 95468 73258 70011 61107 51631 48653 71379

77339 54359 01725 75203 42346 03275 05444 35346 48553 28754

71540 34770 47389 65495 92254 33291 70090 73482 57090 19155

00455 94309 25073 86935 57821 36451 95913 15365 90634 11944

72580 72345 44893 31049 29598 84385 01845 36211 79647 21956

13604 17991 36684 86148 75430 21545 62909 72527 99865 88866

37706 03146 36089 11382 17812 88976 52761 92446 70950 24817

50197 15902 56733 11438 68453 72460 32371 50326 36448 46608

24314 04240 75191 22421 93850 56854 02687 56911 23460 25607

91736 30355 22869 29880 26380 64857 10671 01180 81027 11967

90173 11948 15600 94100 77520 56986 36024 28210 45243 61073

57918 29223 87349 14122 08930 34584 32572 76375 51221 70557

50085 43064 46460 46290 93288 97755 92597 16132 43886 53652

77302 53655 75793 04506 52702 09452 12703 80378 53118 49921

90093 49573 51032 06702 35586 90343 29616 87268 23344 39396

25461 39335 28840 78235 04761 39787 07775 86265 64274 51865

04659 81517 41883 65127 52654 51831 06428 18281 48509 23356

11868 83357 20263 71110 46571 04317 72986 72247 97911 06522

31597 13683 18929 44768 84671 66971 74703 89736 85257 08886

92184 33902 15601 47291 55134 16212 73658 65366 90142 64768

76380 000 000

14364/14964/15964 kHz, 17-12/20-12, 0700/0720/0740 UTC

399 399 399 1 316 34 316 34

55622 69341 77766 70317 97325 93755 28236 61340 53422 47984

71077 48508 71647 31469 95136 18082 27859 19087 26881 63334

32717 69236 66540 09712 60549 16345 89028 91374 95484 36359

72644 35243 83009 26492 000 000

11493/10193/8193 kHz, 24-12/27-12, 1100/1120/1140 UTC

411 411 411 1 178 27 178 27

88355 17352 96844 46076 98022 82222 79910 72461 62576 08787
00279 85149 15354 74656 99253 28175 32859 95820 12211 21823
21418 54039 27601 16978 67072 90485 73467 000 00

6771/5871/4571 kHz, 29-12, 1800/1820/1840 UTC

785 785 785 1 9952 121 9952 121

94932 19840 44164 38141 80536 26319 12453 86173 78832 23089
45699 05207 37735 97127 32621 63140 62511 56417 64057 32762
08351 68340 00831 44741 97075 58558 70755 37016 69409 31112
12476 90020 62427 32882 18150 95797 62086 99840 95288 31329
94994 08888 89999 35885 11838 59394 15263 36956 58022 34737
57001 23786 34485 89290 64660 76973 80963 94306 65113 04476
09414 75224 21838 79620 11130 91830 40884 54174 79298 37666
99342 13709 51665 20377 19584 54966 69475 75671 21863 11840
68504 52482 06689 03189 46870 14781 84123 37147 41256 98711
92158 00757 86111 05375 82276 21391 25303 59655 26863 37729
66681 07027 30875 03728 41699 45550 72815 51049 58233 72967
62635 60304 60514 78246 25279 34029 37527 39386 28347 48419
45457 000 000

E07a

5877/5277/4577 kHz, 04-12/11-12, 2100/2120/2140 UTC

825 825 825 1 39086 8746 58 8746 58

70677 60670 27008 00716 94839 23865 80301 12232 64835 46462
34770 60968 91972 21176 01010 41722 34135 46367 90369 03685
79540 76868 93444 97498 84572 91252 51025 31349 78011 52041
08295 58067 67376 54910 51012 37909 23503 82368 03161 24161
88073 42669 30032 90082 50513 01731 80458 06539 04681 69893
03459 98636 17866 87831 74959 41714 54799 36850 000 000

5111/5811/6911 kHz, 05-12/12-12, 0530/0550/0610 UTC

189 189 189 1 39086 8746 58 8746 58

70677 60670 27008 00716 94839 23865 80301 12232 64835 46462
34770 60968 91972 21176 01010 41722 34135 46367 90369 03685
79540 76868 93444 97498 84572 91252 51025 31349 78011 52041
08295 58067 67376 54910 51012 37909 23503 82368 03161 24161
88073 42669 30032 90082 50513 01731 80458 06539 04681 69893
03459 98636 17866 87831 74959 41714 54799 36850 000 000

E11a

10213 kHz, 02-12, 0745 UTC

5409 kHz, 05-12, 1530 UTC

269/33 Attention

02487 58577 69744 49627 51320 87926 38022 69764 20494 99589
94236 21854 17343 32405 49648 69031 56482 96377 18842 03038
07362 50131 19786 55017 92887 40638 45443 00136 69548 74459
65012 10750 02903

Attention (message repeated) Out

8597 kHz, 02-12/04-12, 0900 UTC

535/33 Attention

52890 12518 83816 93805 04410 65363 66892 72414 88930 76130
58510 07080 34958 37127 37590 19686 12388 81396 17797 25938
28773 58805 40040 00802 45017 49862 09177 91406 47932 34807
29681 61282 96982

Attention (message repeated) Out

6849 kHz, 02-12/05-12, 1900 UTC

644/36 Attention

85668 48767 22713 66318 12580 86045 56211 33628 18480 82099
86643 87428 55301 23716 34899 77528 44869 64439 92224 80984
42249 40906 10743 86983 77361 06847 01046 72103 35586 75121
85495 09134 56137 00724 51311 02503

Attention (message repeated) Out

3838 kHz, 02-12, 2300 UTC

121/30 Attention

25630 12485 65214 78963 20125 48562 30014 58766 53214 78932
51012 54021 47989 30254 10215 84745 66320 12587 41025 96587
42010 36985 21478 50235 69852 01478 96354 02154 87521 22152

Attention (message repeated) Out

17378 kHz, 04-12/06-12, 0745 UTC

340/37 Attention

75255 54246 45593 27922 96043 40696 35634 25614 94983 54114
58095 75131 20956 43997 74039 24350 30799 63008 93682 54992
27290 95268 52656 57871 24594 73034 14163 18576 18792 26476
05423 84775 25603 81853 71902 28189 55787

Attention (message repeated) Out

7469 kHz, 04-12,/05-12 0930 UTC

271/37 Attention

44704 99937 69367 85717 18805 97477 98244 73690 79518 02193
12344 88994 10430 33039 37788 43858 58459 70477 91612 18300
14467 49407 22969 59090 43405 84180 84425 78242 39528 39883
49061 08107 77875 96440 08088 02532 11706

Attention (message repeated) Out

5082 kHz, 04-12/08-12, 1625 UTC

975/38 Attention

60586 31643 97021 88879 20079 77746 59077 27431 09096 18923
54985 78341 02820 11591 71215 63935 60579 65215 80044 82008
55922 84675 01078 34164 23722 32301 65226 95634 52475 27809
36103 36723 05943 97647 56274 94462 95187 74334

Attention (message repeated) Out

5149 kHz, 05-12/06-12, 0820 UTC

432/36 Attention

47727 27499 65726 98462 68132 55644 57083 92688 42543 64371
94339 77933 36450 44480 20152 84238 86430 22856 24211 57862
37981 74324 68489 14242 73961 16803 18600 36426 74672 13566
68556 66312 51601 82548 86467 66718

Attention (message repeated) Out

4909 kHz, 07-12/08-12, 0805 UTC

310/36 Attention

58428 74992 80941 62887 43944 80558 02851 33699 47166 47840
51390 70588 22027 93149 08746 15669 61085 11188 60688 60217
48970 21087 17375 89418 19692 45516 79289 10396 30719 06281
90099 62711 69003 22017 07980 38730

Attention (message repeated) Out

11450 kHz, 09-12/11-12, 0640 UTC

948/20 Attention

54748 00429 21406 48152 42553 01152 81901 96982 21441 39213
63449 27973 96978 14227 08640 51548 70847 16698 29368 25245

Attention (message repeated) Out

7840 kHz, 10-12/12-12, 0645 UTC

514/34 Attention

41806 59105 98763 68016 08358 73097 04975 08075 84627 91303
84209 78271 63308 65268 81001 18505 28496 72981 71319 68668
91234 05195 43021 72791 57132 14254 98995 95209 41266 39867
14273 64975 68324 03870

Attention (message repeated) Out

6804 kHz, 10-12/13-12, 0700 UTC

571/31 Attention

03454 24511 96191 56378 81840 55794 05797 72570 60088 92097
60116 93268 25446 33499 52144 00743 43646 26580 06083 44559
19367 98469 12891 30659 67222 75669 86103 44480 20205 38300
43916

Attention (message repeated) Out

12089 kHz, 10-12/12-12, 0845 UTC

152/38 Attention

43991 73394 12666 12763 13862 21759 15200 10535 78331 28176
29941 97383 14303 25003 66979 37325 97763 28545 56097 07180
38283 21365 29233 11081 13453 55108 64209 89871 69322 87384
30749 25459 89759 77549 52671 19016 75604 19627

Attention (message repeated) Out

8597 kHz, 10-12/13-12, 1000 UTC

302/32 Attention

42054 01501 35192 38881 45559 37045 46790 35324 61781 54662
92114 63478 48895 01107 09892 01646 91432 48102 60635 30189
13815 09058 61233 06082 13823 68946 98605 84900 86668 87125
36363 79780

Attention (message repeated) Out

13363 kHz, 10-12/14-12, 1345 UTC

911/31 Attention

63181 84311 04045 81383 60190 57552 86510 31818 17902 85132
13381 16684 07073 30330 94628 61915 54896 93543 66861 19796
79128 20352 68591 38416 27009 70754 93980 52429 26028 98549
98661

Attention (message repeated) Out

4505 kHz, 11-12/14-12, 1705 UTC

392/34 Attention

33592 19150 60208 32827 47660 51533 05028 54958 32040 17193
10550 22985 24182 36731 72587 56213 95080 58231 30063 50867
32344 98238 82301 76751 71377 61818 14054 73821 49389 07144
09009 44863 03770 62806

Attention (message repeated) Out

10800 kHz, 12-12, 1645 UTC

334/32 Attention

43125 15670 02932 82641 00612 09721 54457 90162 47737 41618
61898 59268 38996 55070 13363 09449 15259 98469 13758 65057
84533 19965 60204 60533 75544 38846 28118 25076 55839 19264
46306 81715

Attention (message repeated) Out

4909 kHz, 14-12/15-12, 1930 UTC

369/36 Attention

44039 96972 09870 30287 79890 60726 57405 42614 74711 50832
39480 77189 80479 12304 27736 36651 84832 56519 84965 93680
13165 77132 70354 12906 13342 97160 76965 62112 89792 68144
08693 60600 24018 72471 79393 62876

Attention (message repeated) Out

7984 kHz, 16-12/18-12, 1045 UTC

697/28 Attention

98166 29975 12599 57052 87123 22932 16679 23365 74054 39488
55021 63293 41616 70859 03895 87026 83538 95625 40573 74820
78421 83903 11587 92512 68859 96033 00844 86834

Attention (message repeated) Out

5082 kHz, 16-12/20-12, 1530 UTC

527/36 Attention

07765 93389 97743 55672 73297 64301 05113 39061 90415 27528
40456 41457 31849 43780 44648 17225 35738 30382 95543 34527
03322 21553 11160 83716 04981 81619 94038 67004 14501 85983
63834 43339 60505 09230 42526 78663

Attention (message repeated) Out

12924 kHz, 16-12, 1745 UTC

246/32 Attention

24226 48162 75379 02746 32321 29868 61031 50722 47708 53423
19783 94660 84312 20863 79511 35310 44514 62516 04733 62940
17491 05720 01318 95018 97850 48902 03518 50261 50814 87600
49309 75458

Attention (message repeated) Out

9130 kHz, 17-12/20-12, 0715 UTC

631/37 Attention

32870 88363 35049 13484 49627 13750 70629 92801 78288 86573
85779 05974 03401 07189 12820 52010 59431 37793 55931 49140
82142 18340 05368 67834 70027 51202 61828 80601 86588 79929
63639 14588 03392 35638 51157 36784 19435

Attention (message repeated) Out

14611 kHz, 17-12/18-12, 0820 UTC

138/37 Attention

00767 73482 38031 04681 70614 75942 59440 24707 35241 95514
88716 94032 81136 24810 52378 53144 44740 39824 83876 43772
59459 09708 37557 13907 25233 67776 31909 41406 48349 26935
12086 49312 17018 79163 59744 20932 23831

Attention (message repeated) Out

6849 kHz, 20-12/22-12, 1650 UTC

920/38 Attention

67721 64319 75879 21598 91306 06118 14280 71145 52785 84777
04552 02069 45366 38089 14687 02010 94630 42081 54486 67131
29090 25781 11948 69159 15061 64107 23466 46824 71739 12834
21608 32805 81247 91171 92798 51648 76949 46881

Attention (message repeated) Out

6433 kHz, 24-12, 1205 UTC

461/32 Attention

03398 51216 92637 19191 20602 35851 08543 78520 57449 80101
32919 80846 41956 37506 75515 01219 16141 86374 26267 07476
69139 86688 90825 45521 80954 84572 32724 66008 88094 68573
37919 65081

Attention (message repeated) Out

5344 kHz, 24-12/29-12, 1605 UTC

238/32 Attention

62486 44118 10391 19600 77711 01610 37209 49993 94091 69713
79855 71251 47506 08269 17632 06407 27036 60389 28538 14806
98477 75529 04958 69357 36229 77442 91497 54400 65587 01727
14947 44357

Attention (message repeated) Out

5779 kHz, 26-12, 1730 UTC

416/33 Attention

14679 70518 55745 69763 77392 01327 14502 29783 91411 92547
27026 02301 83287 39994 49270 44836 72296 56727 88682 09578
27042 99944 11914 26496 65074 91931 79234 40258 91565 00816
51034 08043 67992

Attention (message repeated) Out

4505 kHz, 28-12/29-12, 0710 UTC

491/31 Attention

96316 80241 98893 34315 77879 69760 65666 96391 47295 81722
76780 18087 50495 02993 73289 79768 81239 36997 57467 02226
91781 14708 78168 77949 02753 43320 25373 31989 29660 31092
75601

Attention (message repeated) Out

E17z

11170/9820 kHz, 05-12/12-12, 0800/0810 UTC

217 906 5 11169 03439 43548 19152 23063 906 5 00000

5765 kHz, 06-12, 1002 UTC, i.p.

Test transmission 274 274 274 00000

11170/9820 kHz, 19-12/26-12, 0800/0810 UTC

217 853 6 46062 68672 97478 39685 30485 96632 853 6 00000

G06

4519 kHz, 12-12, 1844 UTC. Late start

271 978 44

11532 37595 68553 78912 87463 94712 18514 02953 38414 13202
42325 23285 15802 65245 87462 78912 87463 94562 14712 84853
53067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 37473 27624 17923 54332 81620 81244 41265 96183 74874
66753 78203 80329 38780
978 44 00000

4519 kHz, 26-12, 1830 UTC

271 456 45

12435 76426 05698 65615 65790 43483 23453 83874 12453 16452
68716 08343 24102 88748 72657 03126 73561 61123 87122 83823
84774 61251 87891 23437 94526 13242 17964 43525 12121 21198
64265 42346 56781 44322 38765 32145 63451 22344 56944 13368
78265 14368 12346 73416 32442
456 45 00000
Windows shut down sound

4792 kHz, 27-12, 1838 UTC: 111 111 111 00000

4792 kHz, 27-12, 1841 UTC: 111 111 111 00000

4792 kHz, 27-12, 1930 UTC

436 546 45

12435 76426 05698 65615 65790 43483 23453 83874 12453 16452
68716 08343 24102 88748 72657 03126 73561 61123 87122 83823
84774 61251 87891 23437 94526 13242 17964 43525 12121 21198
64265 42346 56781 44322 38765 32145 63451 22344 56944 13368
78265 14368 12346 73416 32442
456 45 00000
Windows shut down sound

S06s

5252 kHz, 03-12, 0700 UTC. Should be on 5250 kHz

452 937 6 40419 14663 65564 67269 74059 49847 937 6 0000.

11945/13195 kHz, 03-12, 0800/0810 UTC

This transmitter generates an annoying feedback sound. Also during other S06s broadcasts from the same transmitter.

127 534 6 47154 25660 69885 96882 30034 19804 534 6 00000

7410 kHz, 17-12, 0730 UTC

427 891 5 04475 31467 5336 stopped and restarted at 0736 UTC.

427 891 5 04475 31467 53368 83168 97883 891 5 00000

11532 kHz, 17-12, 0743 UTC. Started 3 minutes late

427 891 5 04475 31467 53368 83168 97883 891 5 00000

11780 kHz, 27-12, 0630 UTC

156 239 7 52401 63919 92699 14600 74248 48754 65125 239 7 00000. Stopped and restarted at 0634 UTC

7600 kHz, 03-12,/06-12 1020 UTC

424/31 Vnimanije

64213 34195 59687 17925 43793 34285 23500 52126 16887 99132
51460 54196 84249 14863 64582 88354 89284 81599 21536 34070
65750 13726 94018 85905 04675 22432 93762 47347 08512 39793
43814

Vnimanije (message repeated) Konets

9050 kHz, 16-12/19-12, 0700 UTC

470/38 Vnimanije

16932 34732 05340 50940 73699 21163 00557 43644 92723 63906
15244 31115 62660 93966 43177 89820 97154 93043 29226 44906
79871 30561 87942 00200 58210 14208 38968 42161 68322 00141
43679 31135 14398 21149 69036 13932 10457 34952

Vnimanije (message repeated) Konets

9057 kHz, 18-12, 0510 UTC

656/33 Vnimanije

36220 61339 71661 72226 47860 55825 78294 31436 26703 45256
26346 63988 39955 84379 37929 90205 00250 41027 76569 56234
76167 16694 48581 67862 75188 62307 79485 17712 01648 18895
14218 60791 74580

Vnimanije (message repeated) Konets

11486 kHz, 18-12/21-12, 1850 UTC

285/31 Vnimanije

32305 87709 25937 80098 31754 68767 40130 51528 75114 07071
31753 07742 71599 87363 58446 82241 65324 59203 81724 07947
48263 33041 05315 63338 29716 82297 12547 69568 67142 46714
31410

Vnimanije (message repeated) Konets

5371 kHz, 25-12/27-12, 1100 UTC

377/37 Vnimanije

18578 78484 99753 47821 91037 54168 90303 79367 83281 19057
93998 49166 72189 56953 95822 85586 07695 69697 11025 21590
04596 42067 02117 31474 15698 47971 34174 39974 00694 37431
12113 75327 14368 21717 88963 28671 32018

Vnimanije (message repeated) Konets

4242 kHz, 27-12, 0915 UTC

483/31 Vnimanije

07931 26274 51701 86582 47045 03527 30781 02175 04627 18537
80490 00483 15674 74320 70815 70277 08900 00748 89219 38959
44799 88285 67324 87094 29268 33338 79204 12839 21824 48703
22748

Vnimanije (message repeated) Konets

V07

11594/10794/10194 kHz, 08-12, 0100/0120/0140 UTC

571 571 571 1 302 62 302 62
58310 19612 94737 59066 31130 26830 51909 89459 86333 26130
30395 19438 71440 91536 62331 08401 29220 84045 37295 04801
10862 17359 62749 56562 59175 17523 28234 65555 71239 63374
53678 01751 32179 70380 88205 55933 81818 08618 53570 98027
76404 29849 07661 97908 83009 96953 94432 16751 78342 02781
11936 67625 71307 02918 57612 04657 34542 99425 27019 13184
80020 27574 000 000

11594/10794/10194 kHz, 15-12, 0100/0120/0140 UTC

571 571 571 1 194 64 194 64
69740 33703 56703 92089 69233 75338 74582 49011 29173 38486
52116 09739 20635 51511 69566 00448 45902 43990 85082 73878
65711 09558 85578 07852 60285 41135 26922 54227 75690 11704
24327 85576 39836 90552 66394 27687 66549 57662 54687 08424
98937 82598 11862 64076 53164 79710 43819 25495 63577 47757
50839 47303 51665 60327 82383 96865 44564 13732 84744 63585
82629 23939 94905 33274 000 000

11594/10794/10194 kHz, 22-12, 0100/0120/0140 UTC

571 571 571 1 5966 90 5966 90
17014 24611 44206 75278 67952 09333 47131 90072 45605 12158
01083 11815 08630 23867 21023 00473 39189 78104 18086 09445
56757 64382 50498 98885 62921 37546 27868 71955 88393 81295
10509 59703 00315 98775 16332 27179 17293 96005 78212 22757
47660 65176 17754 90321 94316 80185 95945 34159 59878 91215
52363 60974 61466 93217 03549 26300 79168 11487 07984 90528
77132 59039 66404 18351 13261 20015 47463 15448 88261 52810
62987 31896 01489 08034 09546 31696 67811 12993 60728 48401
66043 40469 13503 91374 43457 15710 23564 72160 81297 49842
000 000

MORSE STATIONS

MX - Russian Military beacons

Unid beacon "G" heard on .1 frequencies, normally used by "A". Later on "A" was back again. Possibly the same beacon.

7509.1 kHz, 21-12, 2123 UTC	Beacon G
5154.1 kHz, 21-12, 2125 UTC	Beacon G
4558.1 kHz, 21-12, 2128 UTC	Beacon G
10872.1 kHz, 22-12, 1142 UTC	Beacon A, Astrakhan

M01

5465 kHz, 01-12, 0700 UTC

197 431 431 = 30 30 = =
28167 55686 63383 54872 07712 91802 47408 21323 66507 45794
87509 53315 52677 10651 84257 80939 92393 08343 35605 41760
36211 72585 72585 73972 47966 21087 20216 95831 96576 74713
= = 431 431 = 30 30 000

5320 kHz, 03-12, 1800 UTC

197 747 747 30 30 = =
71894 26293 57635 77285 45398 64628 51130 84589 33232 42795
70723 70095 06493 13092 87379 76200 11879 87396 30520 47242
82664 43265 58396 18978 25263 48324 39800 81841 88438 21179
= = 747 747 4 30 30 000

4490 kHz, 03-12, 2000 UTC. Transcript as sent

197 90. 90. 20 20 = =
61720 6172093791 93791 .7433 .74 4 7218472184 78692 78692
35475 35475 14760 14760 41700 41700 79355 79355 44557 44557
75809 75809 34873 34873 87575 87575 46250 46250 48471 48471
53368 53368 99278 99278 45035 45035 19468 19468 55707 55707
29217 29217 40542 40542 48865 48865 68185 68185 31847 31847
91328 91328 75152 75152 39938 39938 37185 37 20899 20899
= = 901 901 30 30 000

4490 kHz, 05-12, 2000 UTC. Different repeat in red

197 753 753 30 30 = =
98543 45242 **54242** 88289 91872 88017 02323 10873 15069 99479 63869
35682 88072 87894 44050 57895 74787 10895 84608 36125 92433
87004 02659 47340 82131 61853 02951 31495 99040 35320 93459
= = 753 753 30 30 000

5810 kHz, 07-12, 1500 UTC

197 564 564 30 30
85440 80857 08174 32460 29477 09812 58682 33706 84859 52281
16368 36730 76719 69062 27030 03144 89942 78217 44625 38988
39437 60234 25895 45276 80179 22689 91857 20477 63525 16002
= = 564 564 30 30 000

5465 kHz, 08-12, 0700 UTC

197 291 291 30 30 = =
26035 01210 64644 89407 99011 92335 29360 19338 17331 66987
51794 50531 26845 56052 27562 94788 01933 38282 59925 06440
81855 98780 54236 69681 07523 30094 02607 83630 84700 96200
= = 291 291 30 30 000

4490 kHz, 12-12, 2000 UTC

197 658 658 30 30 = =
65563 94037 44898 88698 53507 16270 14690 33595 51682 40979
19097 68075 94284 48084 75607 91509 41970 55948 38755 08637
58594 14317 38796 41957 37624 29103 79499 21290 99011 71042
= = 658 658 30 30 000

5810 kHz, 14-12, 1500 UTC

197 107 107 = 30 30 = =
12444 63965 33158 98233 59703 06177 84377 47136 93625 42061
29081 37441 46837 43628 43913 74648 47593 27980 86154 82715
12944 66098 96350 57289 99506 16653 90624 51260 92703 04039
= = 107 107 = 30 30 00000

5465 kHz, 15-12, 0700 UTC

197 277 277 30 30 = =
66963 47981 42241 85146 75682 42590 97650 14850 10434 40360
10506 44586 05729 90728 22078 53732 58392 02599 72388 20495
50204 21516 40643 70821 77519 67717 15008 79251 07567 62674
= = 277 277 30 30 000

4490 kHz, 17-12, 2000 UTC

197 654 654 30 30 = =
70354 29318 70551 11347 40358 24159 75111 11379 87594 24552
99935 85517 63120 89282 30520 80659 66030 10307 50954 31290
30520 79180 55545 76519 48437 71830 92566 39692 83304 29008
= = 654 654 30 30 000

4490 kHz, 19-12, 2000 UTC. Transcript as sent.

197 054 354 30 30 = =
41459 41459 17366 7366 46685 685 364434746850 802557527 91043
9143 27379 39 91261 91261 76976 6761414428819 81995833458334
178921782 2936 299 92769 92769 8743083 4955 991890 89 91591 9159
15954 1954 65095 659 905359053 5 97944 9794470581 70581 73069
73069 85290 85290 76019 76019 35958 35958 26159 26159
= = 354 354 30 30 000

5465 kHz, 22-12, 0700 UTC

197 431 431 30 30 = =
74410 92475 51694 41745 90376 43856 01789 90119 06502 58743
61423 72498 99279 59563 16698 09044 00354 22791 29335 30510
67942 74207 61735 39669 30641 20974 66214 67261 83774 19384
= = 431 431 30 30 000

5320 kHz, 24-12, 1800 UTC

197 735 735 = 30 30 = =
54034 43307 63218 82012 49609 56063 02934 78389 48772 83846
49230 11090 85830 85933 32411 15606 63897 19710 85655 46039
41608 28367 78021 89977 49150 92553 01252 09595 27233 39430
= = 735 735 = 30 30 000

4490 kHz, 24-12, 2000 UTC

197 233 233 30 30 = =
63144 22844 28674 57336 16637 88147 23435 04655 66711 92820
20546 77790 96411 84530 55585 84772 61776 97469 08760 99622
33212 86956 17852 67150 63357 36992 07546 89083 97011 53610
= = 233 233 30 30 000

4490 kHz, 26-12, 2000 UTC

197 279 279 30 30 = =
55323 76806 68657 33419 43545 61449 72796 67128 43148 30703
51742 90824 69755 02830 55973 45402 42627 95335 27715 67876
15759 85079 80672 02631 61308 23913 38098 50047 15113 85455
= = 279 279 30 30 000

5465 kHz, 29-12, 0700 UTC

197 237 237 30 30 = =
87799 02567 05468 25905 67218 62305 79348 11481 60236 38681
23593 60167 15600 70930 20531 10057 78453 27491 55741 31194
20099 23278 40577 62493 01544 87068 49846 28397 02524 76763
= = 237 237 30 30 000

4490 kHz, 31-12, 2000 UTC

197 977 977 = 30 30 = =
67595 93592 36736 68277 46583 77262 83308 90110 16812 78586
17432 57423 04339 06126 78988 88848 78423 91591 79950 51742
64894 42834 76525 05155 54497 99683 28355 08366 47123 28954
= = 977 977 = 30 30 000

M01a

4591 kHz, 04-12, 0806 UTC

517 517 517 63093 63093

517 517 517 63093 63093

517 517 517 63093 63093

517 517 517 63373 63373

517 517 517 63373 63373

333 00 333 00

4641 kHz, 04-12, 0823 UTC

333 04110

333 111 = 85214 09840 63516 = 111 000

4641 kHz, 04-12, 1415 UTC

333 57174 57174

333 57174 57174

333 57501 57501

333 57501 57501

333 55130 55130

333 55061 55061

111 000

5759 kHz, 18-12, 1005 UTC

104 104 104 28957 28957

104 104 104 27447 27447

104 104 104 28672 28672

104 104 104 28197 28197

104 104 104 29669 29669

104 104 104 000

5337 kHz, 20-12, 1200 UTC

823 823 823 20407 20407

823 823 823 20049 20049

M01b

2435//3520 kHz, 02-12/09-12/16-12/23-12/30-12, 1910 UTC

853 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997

59032 82481 13719 73315 71230 57306 69134 83805 08613 74122

08733 10317 81736 09641 37018 22397 13696 84564 84115 22467

84452

= = 361 361 31 31 000

2425//3205 kHz, 02-12/09-12/16-12/23-12/30-12, 2015 UTC

375 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997

59032 82481 13719 73315 71230 57306 69134 83805 08613 74122

08733 10317 81736 09641 37018 22397 13696 84564 84115 22467

84452

= = 361 361 31 31 000

2470//3545 kHz, 05-12/12-12/19-12/26-12, 1932 UTC

910 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997
59032 82481 13719 73315 71230 57306 69134 83805 08613 74122
08733 10317 81736 09641 37018 22397 13696 84564 84115 22467
84452

= = 361 361 31 31 000

2485//3160 kHz, 05-12/12-12/19-12/26-12, 2040 UTC

382 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997
59032 82481 13719 73315 71230 57306 69134 83805 08613 74122
08733 10317 81736 09641 37018 22397 13696 84564 84115 22467
84452

= = 361 361 31 31 000

2655//3195 kHz, 06-12/13-12/20-12/27-12, 2002 UTC

866 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997
59032 82481 13719 73315 71230 57306 69134 83805 08613 74122
08733 10317 81736 09641 37018 22397 13696 84564 84115 22467
84452

= = 361 361 31 31 000

2405//3180 kHz, 06-12/13-12/20-12/27-12, 2110 UTC

Note: id 866 was sent on 20-12

610 361 361 31 31 = =

14665 94079 96528 02573 94008 98759 92195 98556 74498 38997
59032 82481 13719 73315 71230 57306 69134 83805 08613 74122
08733 10317 81736 09641 37018 22397 13696 84564 84115 22467
84452

= = 361 361 31 31 000

M12**8047/6802/5788 kHz, 02-12, 1800/1820/1840 UTC**

463 463 463 1 3527 95 3527 95

67886 80477 84538 97397 66053 18777 50203 22342 27979 64570
89179 12093 96283 19165 86063 10813 36549 25010 38631 83965
22224 16528 97747 69934 34060 58010 95974 16643 70775 08732
04503 79837 38813 33101 14922 81029 21014 85431 19251 71362
53176 60890 19854 84238 15981 67129 48296 86291 19781 97840
88829 89100 82974 67668 67160 34255 18438 26883 45185 04532
95375 66115 99840 62547 21632 99921 63793 70048 66561 09393
28898 80120 64038 96048 09155 28259 06961 99136 74662 09121
84818 25925 94877 06408 46809 80211 62482 77150 13036 08978
53859 34062 57650 93121 33624 000 000

9317/10484/11552 kHz, 03-12, 0530/0550/0610 UTC

135 135 135 1 4067 110 4067 110
99762 61728 85774 66777 18459 59616 54469 07519 92977 98515
13229 84624 50455 46248 25214 43314 92536 95669 59206 55919
39646 75325 30307 80283 04786 20145 83512 31387 49465 28623
29466 75457 21563 96987 27878 46346 20518 24233 50164 27058
13556 97514 21147 67175 25608 43288 44787 38772 90994 89314
14808 06386 02563 49451 42714 38327 29687 91055 95188 75496
19981 30400 34351 10863 84869 68947 96342 34861 79479 92678
65582 93970 44666 33771 30608 81215 90484 19158 16488 40961
21280 19728 21755 06544 58535 30690 90211 40298 23869 66474
39623 62835 39339 46257 15433 15448 52422 79200 32208 77405
39169 39656 55330 22343 96215 14086 07016 74431 26925 43546
000 000

12217/11517/10317 kHz, 04-12/06-12/11-12/13-12, 1310/1330/1350 UTC

253 253 253 1 5181 180 5181 180
85982 72534 82145 62899 41881 ?4742 67855 46214 06693 79935
89257 03325 16042 28141 94046 30291 26773 61346 21497 50625
96855 31697 31112 27671 06800 17597 80883 29008 62678 52907
74135 28724 62608 31000 60868 11417 23006 70318 92399 05259
49492 37293 28689 38736 54262 81706 40114 19642 88212 79267
84764 18947 64625 56297 55491 99856 37944 81781 08065 73615
57448 36418 25836 45855 89578 00208 38591 54650 06083 74606
40558 59037 58292 59395 38362 87293 90980 53260 85016 92902
60818 42753 22437 28978 47651 36549 68251 09942 67938 90587
11259 63437 33108 18476 33622 33623 77259 50838 58150 56904
56862 20099 71036 88086 66692 06792 24552 49999 15887 68716
22761 32361 16381 41293 56253 90142 19453 81400 04161 64602
95132 11903 23734 87641 94128 24743 04434 82942 92161 14343
96534 36288 87117 69651 94865 82484 98975 01832 99394 06703
41787 14310 25810 33527 83629 20374 32000 15633 66912 73380
06452 30792 54985 13067 89937 12850 30159 43808 83654 88997
78198 03697 99214 24997 60332 72164 09949 37886 42501 85757
03967 83467 25011 71853 46561 42972 49201 48403 74841 25859
000 000

13371/11571/10271 kHz, 04-12, 1400/1420/1440 UTC

352 352 352 1 1125 119 1125 119
89117 59965 21868 07839 12568 08496 07657 58576 69566 45452
25146 01340 03469 19832 98463 65224 04197 31617 09907 38172
48420 54222 91793 29595 76246 51134 34835 52738 99628 28760
83921 36633 73113 55798 64939 18325 09783 87170 31630 61699
31391 01048 84933 88100 21295 03418 44458 98382 96766 39308
94471 09409 32531 33985 26512 47620 00903 76468 91948 40071
13801 77643 85288 82515 70623 60820 14094 20444 14182 83143
44098 61902 51569 62150 47495 17909 21036 12783 22344 76851
74687 07326 93412 11363 03285 75106 94178 32188 16581 53713
77143 85248 64296 36391 00765 21153 10944 32765 35246 37993
10959 39530 89550 39570 47319 22402 72535 53901 71024 79789
54374 12777 36797 75331 93477 59500 13137 24587 40133 000 000

12162/11566/10711 kHz, 04-12, 1710/1730/1750 UTC

546 546 546 1 6840 106 6840 106
54701 19735 06094 57358 48345 26894 11647 87154 42798 72957
33639 06169 03637 77035 47174 84114 07367 57343 07064 25144
12869 96346 31947 33462 21475 85772 64551 62401 03048 42520
38996 98370 96474 17971 04205 63162 75320 30840 23230 08528
50982 14346 68034 27360 94504 83632 86754 09752 13287 72923
44307 46479 50725 58202 39524 22585 40291 02150 60689 27654
92741 54270 17868 03764 69292 08044 86893 22401 72814 27787
75132 61418 38882 51272 92846 24374 25474 94348 85402 28200
35318 88443 88555 50248 21057 74768 16315 27236 65944 23370
78060 40948 75098 99154 17967 68210 61634 18050 73357 32790
28609 45507 67966 22058 77438 95335 000 000

5832/6832/7732 kHz, 06-12/07-12/13-12/14-12, 2200/2220/2240 UTC

887 887 887 1 2535 86 2535 86
62344 51698 23496 40334 01509 68335 84743 25998 10573 13700
80568 33573 23697 40705 87751 07026 17331 01578 10643 50787
96285 48202 89984 21085 32019 35623 21477 88513 66793 93272
79141 89230 05463 39747 00164 66382 59551 88169 50141 64275
34004 80872 84771 50751 15323 81620 38996 22257 85390 83554
14665 22184 03378 63670 85477 36043 74797 93275 27494 19534
24173 50778 68447 01887 57935 12690 11060 28263 88447 67679
90763 87026 22048 67530 06794 15354 21711 67217 25360 56626
92362 97677 93800 49819 87015 24213 000 000

8047/6802/5788 kHz, 09-12, 1800/1820/1840 UTC

463 463 463 1 3036 94 3036 94
25026 33238 34537 55246 66234 41326 62838 83680 48190 49460
29607 33473 92409 79553 66236 17313 74743 13054 19936 53498
69767 79981 10525 64925 53988 10561 36269 65177 80455 37471
16313 48469 02510 16175 47759 92917 22235 33499 68221 59472
08993 51983 85147 62055 91704 35631 14277 98519 79184 23275
22616 33097 37694 04270 87855 50322 17212 57904 62554 32372
25097 34654 90986 35324 29218 93697 00073 00165 79899 47545
67575 49490 23674 80505 29290 22776 06967 43256 23180 91178
44113 04516 07510 22416 08722 23897 85498 43073 35107 09646
93644 39554 48316 67867 000 000

9317/10484/11552 kHz, 10-12, 0530/0550/0610 UTC

135 135 135 1 2475 112 2475 112
34995 35565 14299 27393 17479 90001 40325 48460 35910 94473
42578 21850 09841 75441 24880 99459 23174 23989 76470 14320
78217 60042 47453 75515 97679 52625 29508 46794 84777 56241
35933 06262 42569 48405 72280 42600 52946 17825 98460 17172
74134 89849 72898 86781 65090 10890 74027 88990 24223 12948
23398 20043 93551 26386 77475 73126 30753 55648 05854 64689
21681 23213 31122 26803 11912 58254 92834 25786 69372 31039
27547 23566 90416 69682 93099 40524 49585 49182 44038 91932
55596 54168 92924 53240 41319 01868 35971 48822 22095 16638
32732 79235 55113 46387 91614 89992 94238 95115 21288 66680
47008 70368 07459 48196 70432 79042 94557 61049 93806 75165
10291 65890 000 000

12162/11566/10711 kHz, 11-12, 1710/1730/1750 UTC

546 546 546 1 4987 104 4987 104
60357 10090 31641 53903 92464 08716 62436 65276 30406 54351
85430 99356 66638 98797 18859 35804 21699 45640 66220 68250
33830 78922 72935 52301 07644 08433 16616 00503 43025 92011
33590 70069 33791 24616 91669 39282 07752 56242 64619 65803
60109 59081 63162 66034 54279 44315 16629 34366 67129 85483
43553 95878 31478 23326 83399 00743 56248 66534 12924 96737
23176 55815 64749 91141 24497 67628 74826 33601 69967 21781
74137 23281 28977 66681 06489 85804 36676 94710 84736 73031
64542 21426 88290 59781 74791 90357 98597 34548 49729 64195
68062 68885 82206 82395 23146 28166 86489 30549 33435 38505
09319 57879 13237 78306 000 000

9379/8179/7479 kHz, 12-12/14-12, 0110/0130/0150 UTC

314 314 314 1 5780 88 5780 88
77243 72308 11081 81121 35210 37912 35846 58384 21941 42423
47441 24698 49352 77296 89073 11806 25504 08978 87743 53747
24517 73492 60852 21144 08559 54494 51420 12681 86806 71536
87869 75864 16872 08273 64847 03376 23001 71687 58427 27692
75511 14459 91651 76881 53873 19215 86816 30655 69318 71595
81689 89772 79864 88236 27693 58595 43084 33184 72359 23005
92928 87135 93971 96688 98561 82820 78717 32813 57429 35331
47402 82594 65015 09899 63409 33086 40012 42727 06511 80072
77734 01194 39091 81993 70382 66191 80068 04773 000 000

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

546 546 546 1 2656 112 2656 112
94505 24645 24890 29706 71769 99210 74909 36512 26427 57750
04381 75095 67728 54301 38909 62033 44035 03457 28956 88295
46035 09052 70764 62766 24124 63004 93354 95303 96198 61308
34013 48188 10362 92263 98662 56071 02690 45987 20361 56588
40371 19129 39562 80263 65482 99934 11976 63208 69527 42812
51174 00098 91982 35084 42843 13791 65429 18737 26896 88143
87555 16129 49394 81669 30531 77812 91788 89958 27998 99885
34461 73842 90714 38734 17426 88130 44836 64029 51681 45612
23003 65358 45463 69866 23857 64734 26051 57638 65923 92145
68983 05248 15199 78000 09824 17436 61661 41522 42877 66185
25415 66412 77176 18356 55584 09906 20519 56904 65827 15052
24937 29252 000 000

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

546 546 546 1 2355 107 2355 107
99355 27368 14700 02859 27877 90761 62183 99723 69662 06013
20501 78059 37169 95523 68636 02114 08839 37336 43490 62604
08324 51749 36287 58800 64223 17632 44304 24868 71787 57229
19096 25392 21870 47674 90571 37643 16178 78917 47623 66322
26448 31593 39733 82637 11185 89602 42520 33828 65843 83038
62335 41043 95622 11700 43587 40903 18590 02698 40673 94870
43650 85785 69558 19769 35995 44368 64756 66922 62752 71966
86292 55712 87168 08706 91565 63192 66257 10025 12796 27156
27862 21586 83991 95656 11659 13919 58716 50667 41712 32077
18226 39941 87243 73057 77746 12460 39651 82927 51637 29687
35995 53173 91089 51003 17296 73973 84485 000 000

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

317 317 317 1 9139 101 9139 101

44849 65397 65064 16388 30766 37231 90103 97393 88553 41834
62369 12302 78048 20118 68967 65499 30763 76078 71521 28656
60217 11101 22277 33632 70604 70122 69902 15315 58588 09765
71523 57832 35923 35137 84375 71428 05539 36708 14124 12141
42544 37148 44700 98385 94016 42997 01689 18677 32605 62039
25192 16575 74415 36623 83009 28109 25638 22124 96946 69824
00307 00370 77982 57619 58587 15224 23070 49144 56877 72567
63323 45981 74446 08687 55613 94256 63780 00889 74485 14724
16859 83271 24648 43083 60334 61936 77516 78449 34905 66930
60065 72609 46025 37812 36984 13684 84619 99690 30635 44465
51382 000 000

8047/6802/5788 kHz, 14-12, 2000/2020/2040 UTC

463 463 463 1 1045 93 1045 93

65175 78531 15077 59685 78174 43317 39030 88939 58893 75254
46584 77711 16670 60043 11713 74845 92442 57215 62949 36095
62753 76260 57260 55887 25669 94379 06572 69158 00544 40576
55802 07797 01859 98953 28605 67207 48900 53776 78570 19510
77912 12238 31106 59415 91374 53299 54964 60842 61544 19149
99998 16445 64299 59300 09500 51924 04750 08954 94493 76601
30980 99201 72049 61233 75236 52585 96164 85020 08229 13691
06881 56805 78844 67045 82954 37661 59708 41450 23364 24545
24044 03034 02514 58191 50196 56924 03042 98077 30151 32629
43462 30036 47947 000 000

13371/11571/10271 kHz, 16-12/18-12/23-12, 1400/1420/1440 UTC

352 352 352 1 431 199 431 199

04655 92015 61359 51932 05599 60105 78023 93816 28600 52852
61478 90033 13698 89661 25429 22780 50497 96946 09428 44116
93067 39883 79454 72220 01830 47542 95282 33088 63428 35269
49405 55040 83562 30441 83564 18045 15854 50604 00611 65879
68328 97287 54088 82319 12887 29142 42027 85212 32843 83378
78467 95963 99976 15355 28156 37444 19286 28985 65985 54712
94532 06224 28558 68078 12462 82795 69741 19909 65876 85969
96854 05048 05746 91768 69311 42158 62850 06288 78432 87538
37338 64073 24817 36906 33330 88201 01456 90317 07117 06652
66384 91260 20064 13858 63926 70205 94836 11509 48090 25984
38988 94910 67947 90561 89315 56768 94153 54963 10977 62719
82384 63562 61796 50637 81969 61555 74389 41398 00184 37811
78643 57052 88607 77249 47175 35078 18215 69808 74568 44662
91973 70726 60484 16788 34755 29632 66220 09173 18225 58930
37728 88727 54250 15167 87205 23493 65587 43148 89014 31214
68200 68787 11240 49730 41613 30515 49845 09429 96019 32719
28822 27211 85695 47181 80462 69025 18269 42662 20844 14226
36032 53457 49511 51495 94109 52538 31855 05913 10362 11246
86681 41353 78784 79667 13295 01195 92960 92956 52539 03618
53711 14754 59278 58547 13580 59853 17249 28934 84151 000 000

8047/6802/5788 kHz, 16-12, 1800/1820/1840 UTC

463 463 463 1 6576 93 6576 93

78596 54565 33611 37416 29995 75365 38237 04125 90656 98630
03253 44476 25304 34989 50341 20009 10291 22183 06151 50226
13920 63764 33795 77818 73444 60388 69938 13846 50962 12448
93854 41864 56029 16207 28764 49082 88901 07122 66173 55036
91462 68297 89567 40358 76465 27050 69117 84476 65710 66414
16192 21708 20140 14749 67272 83098 34212 98562 99710 18129
67806 78692 55709 88503 55065 81489 78172 21091 31935 91607
31202 17744 74945 44583 63725 02060 44260 20710 53028 78411
41980 89549 45203 83616 27770 06937 79392 09060 87768 09369
17765 93097 48932 000 000

6937/5737/4537 kHz, 16-12/19-12, 2210/2230/2250 UTC

975 975 975 1 6424 75 6424 75
10230 19157 10143 31708 57920 32307 30431 19391 53731 73226
78133 69009 23200 91552 43563 84210 82084 04829 34721 13425
20779 95751 65639 85187 05290 51805 09584 90201 62923 36096
76648 19145 97398 17261 60753 68221 35540 17856 82483 88878
21733 90094 79723 99887 88798 84737 19037 25921 72468 33885
83447 11992 74644 90682 19157 86304 03624 16459 34162 74804
15842 43872 51211 66797 80264 76993 92049 00849 35596 37837
74476 84143 85097 52281 50920 000 000

9317/10484/11552 kHz, 17-12, 0530/0550/0610 UTC

135 135 135 1 5417 105 5417 105
28127 14067 97049 88163 65277 96608 89365 14992 45865 98304
18251 56975 52571 79426 44900 72104 88490 78959 29889 34609
06517 71203 48029 51246 40734 13501 65718 78166 16996 04964
95880 41793 15886 97330 99391 23603 86731 66379 93976 74197
36853 67690 21944 92587 55047 16881 66809 86353 66841 54820
83677 94603 45866 66603 71590 84368 11017 42490 10888 73682
08761 28640 19638 28501 66752 52909 70760 63002 97082 86002
34669 76098 30657 77147 75192 76320 46357 74324 58154 43817
03511 95955 49415 37584 56618 64862 39302 29332 56957 07526
15002 33611 66367 21484 64190 06305 25241 84171 58207 08874
80153 05963 66948 04519 41493 000 000

12162/11566/10711 kHz, 18-12, 1710/1730/1750 UTC

546 546 546 1 1843 111 1843 111
84520 82873 49297 68757 30819 84585 54044 17990 30327 53083
60360 45849 37763 41062 97440 72817 16242 39383 01588 74257
92412 14466 03499 56854 01224 14002 74087 94582 66907 75383
28075 16799 89726 53802 16019 65623 09981 70309 94886 91459
79362 08147 77017 56431 62000 46099 57443 61553 73225 72106
96018 02866 48056 68151 69597 59240 81345 71875 31040 32693
76038 01263 33292 97950 49505 83256 82935 75258 70114 50165
15979 06883 67957 93615 13704 83552 18291 09485 59437 49384
15460 66757 91003 18592 26981 25306 17122 90866 90028 80768
09279 20707 70329 10353 35783 88550 76036 26192 42038 56185
91370 53786 05167 26254 32121 34638 36064 75140 71184 98808
80292 000 000

12162/11566/10711 kHz, 19-12, 1700/1720/1740 UTC

546 546 546 1 3011 106 3011 106
47613 32077 01847 81941 13460 17550 32711 73680 09092 36501
08650 47380 98786 03343 71596 83707 28406 36408 14511 93796
44283 09538 91685 23478 21842 66327 89643 52020 39007 84560
84925 41885 93947 68068 02091 42046 32893 59973 86244 81891
82702 09081 32885 51728 19628 46990 07480 64858 36306 75728
35154 66289 59830 11175 03004 34749 59484 15184 72984 71838
02705 68330 69603 23932 48007 84221 12837 69269 31706 63034
18693 52068 65705 23963 37882 76024 45730 76351 69973 36486
56223 97116 53070 61361 85620 50630 67944 50669 19980 32066
82982 84048 24917 25539 72361 35003 31697 65840 84640 29771
65670 12100 81225 17254 28086 45641

14377/13461/12114 kHz, 19-12, 2000/2020/2040 UTC

317 317 317 8110 8510 110
87311 55441 58306 55825 56602 25404 27845 75759 18748 19502
19314 86484 06873 72478 57896 02323 83582 24663 79223 32348
00345 75178 35927 32261 68335 74896 68707 58410 23723 88205
13718 59454 86130 64036 73493 09186 70683 69678 19353 45557
36459 23363 26012 24951 36804 00827 99214 93069 19029 27163
90200 45328 79926 94892 95345 25858 93512 24336 99061 28712
86375 87110 80935 72310 77076 45046 06843 01896 37120 58053
31012 42934 93631 67209 97253 91515 74568 96094 66360 86288
50298 14391 11188 55817 67460 47219 25903 05497 33041 82350
38679 93618 59094 98764 71484 55013 14574 67666 36060 06462
82493 21798 36461 68807 99939 96089 09169 96099 43029 16110
000 000

14947/13447/12147 kHz, 23-12, 0010/0030/0050 UTC

941 941 941 1 674 18 674 18
20486 16186 71621 92606 42916 27143 98898 81603 63666 09284
86815 84231 00114 74937 88537 47491 91991 40828 000 000

8047/6802/5788 kHz, 23-12, 1800/1820/1840 UTC. Stop/restart at 1822 UTC

463 463 463 1 1951 98 1951 98
43985 41405 82992 19009 95460 24222 97917 57250 26842 62996
73457 77704 56862 15585 64794 93011 94349 19891 58739 02790
47115 64809 19230 56710 89219 68611 89214 65719 94726 27286
54693 36491 62523 51717 05896 49660 62481 33390 42796 69227
03119 71017 36511 94535 20615 56578 39524 22415 90514 30515
73716 60696 13128 83780 36684 03864 28130 23946 68414 92494
91268 73883 01997 85676 13650 44392 74485 42154 77121 38100
06595 10110 75631 86789 82730 62546 33557 23274 97032 76135
85469 01147 84385 82305 82652 24429 23039 36862 12860 53039
58063 42966 24882 97644 17749 79013 59228 04572 000 000

9317/10484/11552 kHz, 24-12, 0530/0550/0610 UTC

135 135 135 1 3662 106 3662 106
65660 36269 20967 77101 73671 96472 74857 52663 07473 12940
28262 94428 62805 84395 96284 27594 53722 83719 05017 93681
97286 46668 98025 91755 26061 10922 15837 45708 98174 40336
14674 82830 39709 40050 13116 97772 11794 45395 37138 50011
46655 92214 68700 20921 74775 49691 95909 52674 07985 29838
97342 93716 64877 69838 22544 53836 18744 21930 92030 17816
62671 08507 09473 33481 10501 74206 36556 62258 81796 18663
43134 92977 87151 51093 64136 23118 59964 69929 57913 09295
81230 74948 33918 98011 64426 95884 67485 88739 14230 00943
59815 62973 71692 69291 73482 55064 86642 05340 73268 57657
15385 98098 71897 66249 54547 33316 000 000

6938/7738/9238 kHz, 24-12, 0600/0620/0640 UTC

972 972 972 1 8625 64 8625 64
78743 20091 06948 57119 29082 94210 81417 66920 55244 47873
43498 26084 91097 13482 25003 15296 48125 77251 32410 05922
67693 75913 08108 81249 72169 73130 00142 31824 89664 97175
30994 88715 67288 40155 23052 28672 92205 42382 39125 32086
14270 93558 48106 08575 18048 53617 43924 00032 54798 98695
08216 80515 57123 95859 01917 72052 31897 38647 52542 41551
61688 02611 67461 55170 000 000

16234/17434/18234 kHz, 25-12, 0800/0820/0840 UTC

242 242 242 1 7272 74 7272 74

56655 29852 34273 17703 33281 86102 28338 40384 95916 56609
93889 75824 78724 38461 48893 76559 20608 97093 72355 04265
10005 12599 52012 93914 08558 83146 92214 37136 72185 26161
43280 38499 42996 40123 93202 88046 25684 40828 01288 40891
30035 41859 25800 04126 63669 41066 53552 45564 01661 62787
74578 17962 67524 19180 06289 31955 09410 59186 41385 07831
77808 15415 81748 36645 99500 20673 50480 35552 88365 00440
41760 49060 53981 49444 000 000

9379/8179/7479 kHz, 26-12/29-12, 0110/0130/0150 UTC

314 314 314 1 6848 56 6848 56

51403 76755 70402 95745 15556 13407 82629 15178 85866 31132
76845 46173 39284 44747 14513 00917 00787 22214 75223 05937
79456 80668 73012 71284 67849 36402 95716 06018 76922 41754
51633 83520 44649 15625 75410 46789 08717 38550 61608 93859
63241 78221 63764 09709 10313 82368 89995 53969 24983 59701
73723 78698 30531 52093 47311 57321 000 000

12162/11566/10711 kHz, 26-12, 1700/1720/1740 UTC

546 546 546 1 3000 106 3000 106

54312 91471 75719 59771 15329 73086 16692 53753 74811 85515
33138 84503 80281 11980 58186 40347 37606 41166 33865 81275
13669 96799 21103 52937 93692 20587 55458 68129 32546 33150
30642 10938 07522 21675 70611 83196 80549 88428 37632 25801
41917 22814 73149 70526 97133 12899 60473 74363 91624 45788
01566 29181 30337 82181 21901 80574 52708 76440 19977 75393
48746 04600 00800 10750 09205 79207 87793 40032 07060 15886
94278 96597 58407 62012 59570 32069 46062 36641 08277 37938
98841 65687 52704 49633 87773 42478 84798 16232 40681 66777
51687 15734 51747 09887 42166 65059 62334 60144 32535 24498
77284 71451 09003 34019 10050 19141 000 000

12162/11566/10711 kHz, 26-12, 1800/1820/1840 UTC

546 546 546 1 1989 111 1989 111

07665 73428 53508 61025 13324 42177 75018 55872 41448 73970
64330 02336 11493 10495 26758 07436 50853 61735 81608 13019
75196 63209 14960 93842 66574 48278 64459 88765 77985 65628
21867 97861 73237 83205 16522 40482 00388 20339 34764 94297
69874 73447 45799 99257 95781 28595 14767 19382 30201 28090
80686 69983 21700 93977 82404 35975 09781 69039 44154 42384
76305 68696 64066 93098 23169 83713 26792 45239 27368 94777
04843 78364 89342 11053 57446 88691 30808 15068 32734 33835
22157 37297 51268 18733 69014 32035 10279 41354 47914 49356
87100 81756 25481 69483 26184 77276 16177 39369 87050 62710
32678 30822 32565 91346 63580 72656 88092 15632 77715 40042
06498 000 000

6938/7738/9238 kHz, 29-12, 0600/0620/0640 kHz

972 972 972 1 8625 64 8625 64

78743 20091 06948 57119 29082 94210 81417 66920 55244 47873
43498 26084 91097 13482 25003 15296 48125 77251 32417 05922
67693 75913 08108 81249 72169 73130 00142 31824 89664 97175
30994 88715 67288 40155 23052 28672 92205 42382 39125 32086
14270 93558 48106 08575 18048 53617 43924 00032 54798 98695
08216 80515 57123 95859 01917 72052 31897 38647 52542 41551
61688 02611 67461 55170 000 000

16234/16434/18234 kHz, 29-12, 0800/0820/0840 UTC

242 242 242 1 7272 74 7272 74

56655 29852 34273 17703 33281 86102 28338 40384 95916 56609
 93889 75824 78724 38461 48893 76559 20608 97093 72355 04265
 10005 12599 52012 93914 08558 83146 92214 37136 72185 26161
 43280 38499 42996 40123 93202 88046 25684 40828 01288 40891
 30035 41859 25800 04126 63669 41066 53552 45564 01661 62787
 74578 17962 67524 19180 06289 31955 09410 59186 41385 07831
 77808 15415 81748 36645 99500 20673 50480 35552 88365 00440
 41760 49060 53981 49444 000 000

8047/6802/5788 kHz, 30-12, 1800/1820/1840 UTC

463 463 463 1 7654 94 7654 94

18029 65767 67918 92172 29610 84374 74767 57829 34733 38160
 43548 09958 87397 55641 59161 76095 93005 12483 25073 12544
 34820 25074 16847 20433 59033 31958 93741 83108 12862 94051
 51176 52489 17081 74890 44775 42289 04135 44855 71697 46378
 78165 70533 35372 59076 92025 55069 43494 26567 25201 57688
 23516 36573 67759 82654 49055 42180 49674 57065 50556 45379
 16430 18996 31859 92929 75799 84655 55212 39143 06325 01029
 91194 75555 31283 78126 84816 88723 07963 42450 30235 35338
 82616 66349 55436 38012 85267 50097 27537 26141 85534 46490
 11384 40413 50284 84451 000 000

M14**4730 kHz, 07-12, 0800 UTC. Errors in red**

8N8N .-... /==/==5VE 53VE = = 144 144 30 30 = =

40166 34098 20301 64676 99969 77056 00199 07969 82393 08374
 18 18637 83414 89111 54183 12005 96445 28013 11408 08203 08633
 60367 45959 78934 77410 12969 78546 91105 62345 04814 19031
 144 144 30 30 = = (no nulls at the end)

4650 kHz, 07-12, 0900 UTC. Errors in red

144 144 30 30 = =

40166 34098 20301 64676 99969 77056 00199 07969 82393 08374
 18637 83414 89111 54183 12005 96445 28013 11408 08203 08633
 60367 45959 78934 77410 12969 78546 91105 62345 04814 19031
 144 144 30 30 = = (no id and no nulls at the end)

4636 kHz, 10-12, 1820 UTC

Id ?? 991 991 32 32 = =

12381 99102 44810 09182 44614 98011 36172 88912 94311 89110
 47712 89122 04213 48192 99031 88721 99042 49108 28119 94011
 55617 89445 02516 89102 44812 89901 44718 23819 13902 89881
 90931 22890
 991 991 32 32 = = 00000

4761 kHz, 11-12, 1920 UTC. Null message followed by a message

748 748 748 00000

748 991 991 32 32 = =

12381 99102 44810 09182 44614 98011 36172 88912 94311 89110
 47712 89122 04213 48192 99031 88721 99042 49108 28119 94011
 55617 89445 02516 89102 44812 89901 44718 23819 13902 89881
 90931 22890
 991 991 32 32 = = 00000

4730/4650 kHz, 14-12, 0800/0900 UTC

523 991 991 32 32 = =
 12381 99102 44810 09182 44614 98011 36172 88912 94311 89110
 47712 89122 04213 48192 99031 88721 99042 49108 28119 94011
 55617 89445 02516 89102 44812 89901 44718 23819 13902 89881
 90931 22890
 991 991 32 32 = = 00000

4730/4650 kHz, 21-12, 0800/0900 UTC

523 998 998 32 32
 48821 91877 47716 29081 67442 90881 49211 87490 40981 40720
 99182 47180 94872 61502 49918 89256 14928 37728 90747 29801
 49881 29772 45671 90881 23881 44711 28901 77160 98341 42910
 89120 49310
 = = 998 998 32 32

0800UTC: no nulls at the end

0900 UTC: ends with 00 00

0812 UTC: 949 93556 71576 42304 64931 89282 47332 51

4890 kHz, 22-12, 2300 UTC**4760 kHz, 23-12, 0000 UTC**

617 999 999 32 32 = =
 98192 80182 48177 89926 31829 44718 98821 18471 29180 49721
 12251 47811 39011 46172 89040 18772 47991 90221 48890 31882
 80199 31520 49188 36152 88910 49022 31882 47619 30192 46711
 89342 16788
 = = 999 999 32 32 00000

4636 kHz, 24-12, 1820 UTC

186 136 136 32 32 = =
 19288 13779 26789 33178 90017 48129 38719 47822 31689 56128
 99128 37162 90831 17729 30991 65490 30987 27189 30448 88129
 60031 28190 78839 20671 44921 89024 33619 79882 49127 30116
 79941 27182
 = = 136 136 32 32 00000

4730/4650 kHz, 28-12, 0800/0900 UTC

523 999 999 32 32 = =
 98192 80182 48177 89926 31829 44718 98821 18471 29180 49721
 12251 47811 39011 46172 89040 18772 47991 90221 48890 31882
 80199 31520 49188 36152 88910 49022 31882 47619 30192 46711
 89342 16788
 = = 999 999 32 32 00000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)**4951.5 kHz, 01-12, 0349 UTC**

=990653??0????? =990654??0????? =990655??0?????

3322 kHz, 01-12, 0359 UTC

=990703??0????? =990704??0????? =990705??0?????

4221 kHz, 01-12, 0450 UTC

=990754??0????? =990755??0????? =990756??0?????

5860.5 kHz, 01-12, 0457 UTC

=990801??0????? =990802??0????? =990803??0?????

4171 kHz, 01-12, 0510 UTC

=990810??8????? =990811??8????? =990812??8?????

4320.5 kHz, 01-12, 0538 UTC

=990838??8????? =990839??8????? =990840??8?????

8023 kHz, 01-12, 0804 UTC

=99?1103?9????? =99?1105?9????? =99?1107?9?????

7949.5 kHz, 01-12, 0815 UTC

=99?1115?9????? =99?1117?9????? =99?1119?9?????

5980.5 kHz, 02-12, 1300 UTC

=21876902050834

=11878735123100

=991602??8?????

=21878902050834

=991603??8?????

=11878735326202

=21876902040732

=11898735326902

=21878902040732

4865.5 kHz, 02-12, 1459 UTC

=991759??8????? =991800??8????? =991801??8?????

4951.5 kHz, 12-12, 2101 UTC

=990002??0????? =990003??0????? =990004??0?????

4349.5 kHz, 20-12, 0910 UTC

=991210??0????? =991211??0????? =991212??0?????

6791 kHz, 22-12, 0813 UTC

=991113??8????? =991114??8????? =991115??8?????

3285.5 kHz, 22-12, 0920 UTC

=99?1221?9????? =99?1223?9????? =99?1225?9?????

2801.5 kHz, 22-12, 0946 UTC

=991246??0????? =991247??0????? =991248??0?????

4171 kHz, 26-12, 1451 UTC

=991751??8????? =991752??8????? =991753??8?????

M41 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

4842.2 kHz, 06-12, 1502 UTC

009601473148481001702

9600324083802

19096011704

9600324083104

338960005

9600939786606

4102.5 kHz, 06-12, 1527 UTC

VVV VVV VVV =

722 195 1740 6784296 13752110 2126

72219 5974101396841617221026

722195 9842673915212871150 27 7221959743677919612871160 27 AR

M89 - Chinese military

3333 kHz, 04-12, 1201 UTC, i.p.

/G4G8 AR K
FFF NR 02/EX 0.. =
44= =
A1D9/K7Y5 =
AJD9/K7Y5 =
FFF NR 03/EX ... 1945 =
W2S6/G5S8 AR =
W2H6/G5S9 AR
FFF L NR 04/EX TIME 1946 =
E.U6/.5..=
E3F6/T5S7 =
E3FB/T5H7 AR
FFF NR 05/EX TIME 1947 =
Z1A./..BG9 =
Z1A7/..BG8 AR K

3345 kHz, 04-12, 1210 UTC, i.p.

R RPT ..
R QSL 1906 K
R U MSG GA
R FF NR 9466/C 2007 RMKS 8617 TO 8640 =
AM./UJ73 AR
FF NR 9466/EX 2007 RMKS 8617 TO 8650 =
AMC8/QJM3 AR K
R QSL 2008 K (Both stations on this frequency)
R U 7G GA K
R HR 7G GA
NR 9.39 CK 400 41 1204 .000 RMKS 8650 TO 8617 =

3684 kHz, 05-12, 1807 UTC, i.p.

00290 K
R HR NIL SK
R NIL SK
VV SWXR DE Q1ZX K
... QSA 1 QSA ? K (Other stations also on this frequency)
R QSA 2 HR WK NR 00290 K
R HR NIL SK
VV NJWC DE QJZX K
NRFV DE ... QSA 2 QSA ? K
R QSA 2 HR MSG GA
R GA
HR 7G GA
7G NR 021 CK 99 76 1206 0200 RMKS 2867 TO 2574 =
.T4N A35U 76DT 5AN3 U467 DN4T 57UA 3674 TDUN 5A36 (Cont'd)

3121 kHz, 15-12, 1545 UTC, i.p.

CMHR QSA 2 QSA ? K
R QSA 2 IEC = 7282 AR K (Both stations on this frequency)
R Y IEC = 2383 AR K (Normally associated with exercise)
NHR WK NR 33..
R HR WK NR 17 K
NIL SK
SK

3285 kHz, 15-12, 1013 UTC, i.p.

UDA4 UT45 T5U6 UN47 T457 ...

AR R QSL ?

R RPT 02W K (Both stations on this frequency)

R RPT 01W 0776 0776 AR K

R RPT 12W K

R RPT 02W 0446 0446 AR K (Cont'd repeat groups)

R QSL 234A EEEE R QSL 2340 K

R HR WK NR 01110 K

HR WK NR 45 R HR WK NR 05 R HR WK NR 04120 K

R HR NIL SK K

R SK

7512 kHz, 15-12, 0300 UTC

VVV DP3191 DP3191 DE DP91 DP91 CL K

DP3191 QSA 3 NIL

SK DN GB

VVV DP2391 DP2391 DE DP91 DP91 CL K

VVV DP2391 DE DP91 CL K

DP2391 QSA 3 NIL SK GB

VVV DP3091 DP3091 DE DP91 DP91 CL K

VVV DP3091 DE DP91 CL K

QSA 3 NIL QSA 3 NIL SK GB

7512 kHz, 16-12, 1000 UTC

VVV DP3191 DE DP91 CL K

DP3191 QSA 3 NIL SK GB

VVV DP2291 DP2291 DE DP91 CL K

DP2291 QSA 3 NIL SK GB

VVV DP2391 DP2391 DE DP91 CL K

VVV DP2391 DE DP91 CL K

DP2391 QSA 3 NIL SK GB

7512 kHz, 21-12, 0908 UTC, i.p.

DP3091 DE DP91 K

N DP3091 Q42 NIL SK GB

= N64U 6NT3 63DA 63 =

NN4 =

N64U 6NT3 63DA 63NU 547D UN4T NAU7 UA65 (Cont'd and stopped after ca 10 groups)

5198 kHz, 20-12, 0808 UTC. YGE2 wkg RH85

MSG NR 328/CCK 199 78 12 20 1300 RMKS =

1808 TO 1978 / 5081 / 1698 / 1688 / 1878 / 1778 / 1668 / 1840 / 1831 / 1817 / 1663 TO 1808 AR K MSG =

TOAE 5DA7 564N 64TA DU7U ...

5198 kHz, 20-12, 0834 UTC

VVV GD4W de IY2D

MSG GA HW

NR 328/CCK 199 78 12 20 1300 RMKS

1808 TO 1978 / 5081 / 1698 / 1688 / 1878 / 1778 / 1668 / 1840 / 1831 / 1817 / 1663 TO 1808 AR K MSG =

TOAE 5DA7 564N 64TA DU7U ...

5198 kHz, 20-12, 0853 UTC

IU5T de GE5V VVV K

HR MSG GA ? MSG NR 328/CCK CK 199 78 12 20 1300 RMKS = 1808 TO 1978 / 5081 / 1698 / 1688 / 1878 / 1778 / 1668 / 1840 / 1831 / 1817 / 1663 TO 1808 AR K MSG =

TOAE 5DA7 564N 64TA DU7U ...

5441 kHz, 22-12, 0917 UTC. i.p.

= = DTCBR0/C.D1 AR =
CBR0/CBDJ AR = = (CBR ZERO)
CBR0/CBDJ AR = =
CBR0/CBDJ AR K K
R OK
R OK GA
R OK GA
R QSL 1.23 1723
R HR MSG GA PSE CY HW K
R MSG MSG
NR 1016 CK 79 65 1222 1724 RMKS = 054.13.. TO 0544130 AR K
MSG NR 1016 CK 79 65 1222 1724 RMKS = 054413.. TO 0544130 AR K
R = =
A.3 37A4 6.5T 7DN4 (Cont'd)

7512 kHz, 22-12, 0908 UTC, i.p.

E L3? 3? 3 DUT42291 DU6DUT49
VV DP2291 QSA 2 NIL SK GB
VVV DP2391 DE DP91 CL K
I VVV DP3091 DE DP91 NL K
VVV DP3191 DE DP91 CL K
DP3191 QSA 3 NIL SK GB
VVV DP3091 DE DP91 CL K
VVV DP2391 DE DP91 CL K
DP2391 QSA 3 NIL SK GB
VVV DP3091 DE DP91 CL K
DP3091 QSA 3 NIL SK GB

M95

4364//8073 kHz, 04-12, 1136 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages. Still having technical issues

4364//8073 kHz, 04-12, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 1119 CK 46 35 1204 1615 =
TAU N5U T64 N53 TAD N54 7TT TA4 746 6T5 (Cont'd) AR
HR MSG
NR 1220 CK UA6 35 1204 1620 =
TAU .5U TT4 TAD N54 7TT TTD 746 7T5 77A (Cont'd)

5801//10180 kHz, 11-12, 0150 UTC

DKG6 (x3) DE 3A7D (x2)
HR SVC GA NR 031 0930 RMKS 2096 TO 2388 =
COMM/1000/XZ654/48/2905/2388 AR QSL ?
HR WK NR 15

4243//9054 kHz, 15-12, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 15-12, 1150 UTC, M95: CW. Q26 messages repeated

VV HR MSG TO YR PSE CY
NR 081 CK 35 35 1215 1520 =
5AA UTT TA5 3U6 3A4 5T7 5TD 75U 5AA 75U
354 365 4TD 445 3DA 4D3 N3D 4DU 5TN 75U
354 34T N3U 365 4TD 445 34T N3A 446 3DA
N3D 3DA 4D3 N3D 4DU AR
MSG AGN
NR 081 CK 35 35 1215 1520 = (Repeats message) AR
A HR MSG GA
NR 20 CK 178 35 1215 1530 =
UTU TA5 3U5 3A4 (Cont'd)

5385 kHz, 16-12, 0818 UTC, i.p.

VV R 7G GA

NR 047/CCK CK 91 74 1216 1600 RMKS 6644 TO 6035 K

734D A3AD A74D 4D4N AN43 6UT7 6NT3 A66T A763 7367 UA34 (Cont'd)

AR QSL ? K (Message format indicates M95 family)

R N GA K

4243 kHz, 17-12, 1147 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 17-12, 1150 UTC, M95: CW, repeating Q26's messages

BNGC DE XSV85

VV HR 7G TO YR PSE CY

NR 085 CK 51 35 1217 1504 =

5AA UTT TA7 3U6 7TA N44 3A4 5T7 5TD 75U (Cont'd) AR A HR 7G GA

NR 34 CK 185 35 1217 1612 =

UTU TA7 3U6 3A4 7TU 7TA NU6 7T5 777 33A (Cont'd)

4364//8073 kHz, 17-12, 1132 UTC, Qs6: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 17-12, 1142 UTC, M95: CW, repeating Q26's messages

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1170 CK 374 35 1217 1714 =

TA7 3U6 3AN 3U7 TAU 773 353 35D 4T3 NN3 (Cont'd)

4125 kHz, 20-12, 1242 UTC

VVV UISD (x3) DE CBFQ (x2)

HR MSG GA

NR 052/CCK CK 31 54 EEEE (Message format indicates M95 family)

VVV HR 7G GA

NR 052/CCK CK 31 54 1220 2045 RMKS 7483 TO 6358 6266 6265 9611 9793 =

UDDU 6NTU T547 4756 U663 37UD 7A7A N57A TU76 TTAT (Cont'd)

TT54T 36A3 4UT7 D74T 744N ..6A 36D6 634U 3.DA 4D76

T6ND 36AN 6.NU D536 3346 5DDT NUTN A767 5N7T AD3A AR

VVV HR MSG GA

NR 052/CCK CK 31 54 1220 2045 RMKS 7483 TO 635D 6266 6265 9611 9793 =

UDDU 6NTU (Repeats message)

AR QSL ? HR WK NR 110 QSL ? HR WK NR 110 SK SK

5801//10180 kHz, 20-12, 1225 UTC

i.p. NR 084/CCK CK 99 21 1220 2025 RMKS CQ =

T55T T4.4 6D63 7UDN 74TU AD54 7743 3NAD 64NU 36U3 UA6T (Cont'd)

AR HR WK NR 37 QSL ?

V DKG6 (x3) DE 3A7D (x2)

UM03 – Chinese X2M net

5200 kHz, 04-12, 1228 UTC, i.p.

747AU 7DA6. 6A4N4 65.T7 NTNA5 ...

III FF

W33. 33F AR K

333 K

45W FM DU5UT T3N46 A3D6T 564AU (Cont'd) AR

26W U3U4D U3U4D (Cont'd)

FWZIM HXVUX PLPES KSUWR DSHYY ? DSHYY (Cont'd) AR

ZXM K

QSL Z.Y K

OK ZHY K

54D6D 5464A 77U47 775U4 55TTN N7754 (Cont'd)
AR AR K (Other station also on this frequency but mostly unreadable)
53D3D

11 11 CK 100 CK 100 TIME 0734 TIME 0734 DATE 0612 =
BQSKZ UWLOD MODFV PSJYB ZOQFI XZCRU DSUJM PEWYN WQFIX (Cont'd) AR
13 13 CK 100 CK 100 TIME 0740 TIME 0740 DATE 0612 DATE 0612 =
KNCET CFUWL UJYAP BQSJZ WLNCF ADSUJ MBDSV PEWYN QFHZO LARDM (Cont'd) AR
15 15 CK 100 CK 100 TIME 0747 TIME 0747 DATE 0612 DATE 0612 =
RGIXA JYAPH TVKMB KNCET CRGVX GVYNP NQFHK ZCRTI LAUJD MPEYH (Cont'd) AR
CQ (x3) DE X2M (x2) VVV (Cont'd)
MSG (x2) ENG (x2) (0053z)
CQ (x3) DE X2M (x2) VVV (Cont'd)
VVV MSG (x2) ENG (x2)
MSG ENG

01 01 CK 100 CK 100 TIME 0754 TIME 0754 DATE 0612 DATE 0612 =
TTKNC LNCFU PRMJY JYNQF CRTIL JLADS UVXMP YPEWQ ZRTIA GWFUD QSKEW (Cont'd) AR
03 03 CK 100 CK 100 TIME 0801 TIME 0801 DATE 0612 DATE 0612 =
BQSKZ KZCFU DFUXM VXMPQ BQSKZ DFUJM BDSVE WOIXR PRJVE TNCEW GIPHT (Cont'd)

07 07 CK 100 CK 100 TIME 1549 TIME 1549 DATE 1612 DATE 1612 =
A764U 435AD ANU43 6UDN5 DN56U 73ATN A7354 354T7 6U73D ...

HM01 - Dirección General de Inteligencia

The groups of November 5th were sent throughout the month: 77236 61724 01307 67503 26321 03484

9330 kHz, 01-12, 0730 UTC
9330 kHz, 01-12, 0800 UTC. Should be on 9065 kHz
9065 kHz, 01-12, 0900 UTC. Should be on 9240 kHz
9065 kHz, 01-12, 1000 UTC. Should be on 9155 kHz moves to 9155 kHz at 1003 UTC
9155 kHz, 01-12, 1003 UTC. Late start. Comes from 9065 kHz

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

M42 – various modes

11527 kHz, 02-12, 0810 UTC, MFSK-16/250Bd BPSK
12188 kHz, 04-12, 1220 UTC, 8x62.5Bd QPSK/250Bd BPSK
14628 kHz, 11-12, 1017 UTC, MFSK

M42b – FSK 50/500

4562 kHz, 01-12, 0342 UTC, CW	ZGR de PR60 QSY 14571
4856 kHz, 01-12, 0632 UTC, FSK 50/500	MAST wkg VBTW

K4MT wkg NT9P. Opchat in CW: QSA3 QSA? QTC1 followed by a test slip in FSK 50/500: RYRYRYRYRYRYRYRYRYRYRYRYRY

8041 kHz, 02-12, 1233 UTC, CW	KE4T wkg L2RS
8071 kHz, 02-12, 1238 UTC, CW	KE4T wkg L2RS
8101 kHz, 02-12, 1238 UTC, CW	KE4T Wkg L2RS. Traffic in FSK 50/500
4440 kHz, 04-12, 1527 UTC, CW	ROP wkg UDM. QSX 3964 kHz
13802 kHz, 06-12, 0836 UTC, CW	XN6O wkg 3LSG. QSA NO QSY 29263
5342 kHz, 06-12, 0902 UTC, CW	P8RK de ZE4K QSA 4 K. QTC1 K. NIL SK. Message in FSK 50/500Hz

F01 – FSK 200/500

7684/5326/4029 kHz, 04-12, 1940/1950/2000 UTC

Null message: 5761 00000

5087 kHz, 24-12, 1756 UTC. Russian diplo/intel i.p.

Ends with 00304 53063 74315 68504 18839 76694 00000

5089 kHz, 06-12, 1530 UTC

21312 64975 44224 18299 68655 99598 71224 44484 64402 46852
 72248 84243 90587 85732 61407 78709 80792 98674 98495 40016
 36471 71927 84664 98402 06267 10887 32800 22870 32999 93795
 29799 01294 98024 12268 32924 90961 17637 72062 67431 75448
 71209 52550 17651 88781 65770 48309 28713 92827 66676 41287
 61112 18837 49106 76966 65282 09090 50020 42970 68383 19576
 25319 73552 90479 69644 41844 28396 32309 49570 58948 19171
 01807 21959 79287 82281 71598 77945 73551 21246 84635 34111
 08798 67134 50156 81059 35096 30521 97173 19596 10152 43369
 77667 45432 66613 14299 36672 68378 51733 45672 91439 76926
 94093 85931 86886 84200 77053 15624 19481 16176 23637 90564
 46789 28133 22524 90559 24842 60265 49849 47130 40529 68384
 66483 48690 31198 90661 95493 46588 08644 36348 09467 10472
 29688 07393 82385 06415 80519 88917 85733 96217 66998 69475
 33543 81352 28101 77030 06037 39968 14699 41598 06586 30396
 00856 20482 31648 59607 19831 47049 58383 40036 41981 88972
 79632 83231 36740 26894 40950 03753 85868 89418 59370 31765
 40164 05411 28600 57756 36812 59502 40330 57828 19569 61765
 76339 72980 28970 67479 51094 40852 54735 07940 09518 03324
 67578 18232 09630 38450 72592 72918 44727 90140 51406 65574
 84814 94031 85303 93110 41950 22988 76473 30809 89209 00671
 09606 09034 87953 56611 21004 27527 03079 21222 67394 68245
 10946 84191 11645 92667 29671 64690 67555 34516 26469 66835
 70921 23819 81733 18845 69055 03265 14547 19319 45950 22775
 99293 39089 25276 23238 28087 52075 18399 45341 98676 93575
 17250 00000

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

87996 83211 45430 29248 47069 30239 43495 57164 89348 28866
 41420 14022 26100 56480 06500 13023 81999 04803 14004 88898
 97572 85808 45566 33572 26257 10801 53282 60433 74533 84813
 00480 51919 58558 83533 15082 70074 75743 04931 16502 34795
 14710 12781 02016 99435 52054 14276 03547 78456 09383 38892
 50785 06824 69018 10731 01613 35827 71854 31491 25732 95008
 45760 16282 52464 74902 37999 49446 18647 10249 50089 52603
 77558 68396 98532 82072 54823 72561 49873 97892 62223 14639
 03501 71598 05360 37251 20650 24961 46093 89724 23026 16873
 05718 87676 09499 20563 19784 30910 64296 58330 80526 59282
 55151 85987 27823 51266 44809 44198 74632 94863 64367 18892
 77831 85572 21862 77958 90410 31096 44545 76387 55949 67468
 78296 47060 31315 16306 92591 19374 48521 37848 64488 32879

51685 59495 40039 38130 70020 84514 96593 01929 12800 10615
54412 59146 97232 13071 11035 78321 45183 72086 96843 33210
09683 49076 75249 97480 17158 41576 35946 04743 36318 71438
54676 41097 09649 86022 17924 62387 08433 77064 36002 53348
97242 46903 92943 70840 18852 76760 06653 38350 35486 76762
97748 83942 87361 22378 90533 38873 54445 06983 94529 39011
32383 65212 40023 96303 58508 46811 66040 32428 48908 45653
84214 91852 32441 13629 66961 76472 92678 14081 33410 69016
53690 94477 31525 37411 70611 83015 39859 37290 10940 38831
37373 54833 37483 10516 14755 57127 28915 82620 25683 42234
98856 14829 01473 06150 99437 03505 77528 68851 20262 20283
05064 26608 18728 07398 46500 22754 42626 34443 78000 54097
30964 46240 47570 55175 03953 56507 62161 27512 78083 67021
02213 06100 67250 16951 87079 80260 55836 92054 39769 11100
54715 48430 24435 12725 76095 30501 55064 89420 88157 87928
98790 45971 35405 21140 22276 13315 35683 10155 54592 56713
89789 06399 65050 58633 64623 92193 79403 93519 35806 37616
82869 36654 00713 09400 83404 74277 97850 11577 33670 07175
93521 62550 35130 64902 21711 38276 72708 72845 88132 36243
53461 39299 74373 39949 47678 54753 03073 88542 55872 20573
50075 81339 50080 49261 14493 71880 62918 03491 82613 31229
22833 66093 46596 85201 58977 58191 63892 55203 24149 47669
68319 57366 09246 15149 68736 39681 47645 69690 96258 61796
32979 31377 85938 47187 98711 22980 03857 62373 32982 37900
55568 02873 27130 76562 36824 90586 81355 68454 12525 12290
15941 22002 34825 53933 61482 69455 36343 10419 26558 98991
59403 75566 66276 91205 07249 41934 00140 02185 28166 65193
52668 60356 68459 72736 15203 69283 55207 21222 52351 33619
94742 32719 01490 50374 97793 64162 38774 32725 67221 89794
10090 58512 09292 01275 50382 60640 54424 03427 00000

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

63273 26181 46175 77375 34173 70416 79226 17912 92825 41477
13279 30648 12547 38542 82195 49731 63165 81229 11479 14749
78050 88514 31637 31349 25938 81589 11189 29993 73469 40316
57733 65049 49396 68000 60516 21403 46380 44135 72950 20773
21330 69838 58500 44921 80206 35639 48400 17953 58245 66319
84607 14871 31520 22499 46463 88603 20796 63639 84471 32665
73600 02164 09652 21654 35461 03378 11888 96769 46236 10880
05727 88533 22479 02144 27053 93911 11780 03969 29071 50010
30019 22477 51058 71545 17456 67349 58296 44273 74619 74992
92857 00219 55991 04093 00000

58178 14410 77743 21828 86982 99610 38071 37166 42606 24656
59152 28016 54848 29625 71839 75866 42254 37789 20192 14568
16822 97885 66623 24807 00136 83526 82686 56811 80606 98175
67700 92204 66521 59120 62387 80962 14576 58900 49723 14409
38587 27599 60181 20175 28058 44462 23556 90079 31313 72262
34557 76847 82849 12867 24362 20619 79631 07421 55311 91177
35991 29603 80938 56845 71827 45390 38513 15966 13797 37750
66301 51930 14182 19731 62711 97672 17118 84348 29525 20574
26875 64743 66398 63720 57874 03018 08823 04437 71134 51208
26721 16051 26825 52823 25888 43815 07631 78380 19439 30926
92590 05101 00000

12164/10336/8016 kHz, 04-12, 1015/1025/1035 UTC

38259 24113 57850 30738 50470 22105 52710 30608 83037 77901
30751 87491 57814 88233 88009 18475 19669 49698 43677 75536
83656 88316 56641 72036 86176 09113 42131 09685 38583 57897
49399 10688 06673 12453 86367 84760 64483 45291 02199 85686
95853 25188 63696 37120 42169 49673 86508 32308 19739 25661

07040 37430 55240 40419 06031 53238 12666 90048 19736 14687
10207 57682 99629 33229 50528 58568 06595 11492 12849 94237
50511 84988 80275 82945 11201 70575 00838 58563 01652 26335
05645 55121 59469 52569 32605 19179 77482 88594 29162 17215
09452 85028 32457 30228 11812 56247 50380 52729 07387 42709
91939 38318 82011 37828 20372 59022 50009 59087 27461 70604
49443 68074 52471 01006 53102 69135 94156 04126 06139 41324
89267 46117 26305 83344 56004 16392 27729 76165 25845 80521
54161 92998 12193 17217 32626 11332 89277 06580 83429 06695
79741 61808 47448 32855 74368 21554 16638 18123 32363 45101
78707 32461 35646 77573 11885 05082 95583 77343 90728 97218
35601 22840 88897 59760 98109 40932 89840 30438 49185 24093
41333 50252 79444 28503 14796 03819 24545 70319 55337 13337
53755 62259 33456 40850 00023 57714 34345 78500 29991 94564
45721 31456 77391 55892 30139 23206 88250 89774 92706 77898
51352 55347 80152 59423 12397 87324 72176 71920 95274 96164
51023 51396 78925 46066 60218 03149 03187 77982 88397 64670
02086 69849 39178 98738 88019 51200 72990 46362 35240 14365
31837 94277 36100 89442 82883 36688 28489 75224 41843 35927
17893 43269 62082 11733 42531 57299 00386 13827 54988 75133
95321 57477 18789 25306 19134 26740 43352 75597 89119 75065
05766 35640 49407 77951 32810 60790 59084 17336 41673 49466
47612 02419 62797 51120 23463 56590 93289 27052 46917 25168
54342 31234 02954 83616 51084 03352 35186 50944 58318 91229
26756 37965 80577 44846 39154 85108 59927 49115 44875 69470
29966 87625 14862 85786 39448 54523 46677 31024 93981 56727
44330 47267 89224 73666 85698 02600 34018 66720 38494 14652
86909 55555 10692 46525 54486 03544 46379 29752 24959 79453
02939 94006 35443 87589 70533 08236 96368 83590 19799 62903
21451 18041 88706 48032 36673 75122 44519 06747 66699 98455
81779 68972 22181 21346 42283 95018 36367 43606 67943 83693
24474 22154 22522 24673 64246 67560 43130 99783 21145 63749
07464 62908 66603 53022 27691 53183 62788 53608 06942 21192
12300 01915 19329 72830 96248 36684 99446 60534 49157 67217
52274 76561 44106 92877 19432 28010 86577 66050 62718 98259
40424 15741 50871 24533 34406 74012 60490 46252 22736 72439
27057 03883 98052 00767 06988 92959 80291 44967 36662 02971
29856 46875 99358 95793 58550 52600 36040 06427 00000

12164/10336/8016 kHz, 05-12, 1015/1025/1035 UTC. Two messages

96593 66823 45622 35896 83836 07195 71286 98398 42949 14178
55396 25374 12203 43560 74031 57937 75758 84091 85668 37082
56631 16053 92750 55263 93339 88267 95532 69403 23693 30775
24160 05013 24141 45322 59903 06107 78121 40880 81486 10620
71863 06371 97456 55988 41051 37783 50521 44595 16824 61870
04800 23775 44511 23624 51922 60044 73574 29697 96908 12269
42168 64978 09776 33441 04771 24489 53802 55751 76318 27815
26394 38658 91283 08228 73477 84625 01128 93712 63373 52231
58573 22075 31081 21317 62127 57315 28899 89887 59301 99460
44348 07425 31953 05046 71298 74320 12202 60417 45275 62114
02340 75067 78846 34209 97194 07105 00000

40156 91579 75059 90992 21924 51031 84255 91084 65124 41563
13769 43922 60637 00661 41432 65689 99518 09265 75255 87912
71800 54516 10864 63411 89989 16020 06620 60627 54472 61597
06098 94770 02992 63441 62615 69218 11403 70617 45500 25611
37873 98853 32787 26068 27745 23554 20023 15976 21209 86968
99876 40780 31017 55460 92233 15218 82388 87816 29470 68426
32314 00517 26584 13373 10450 40928 90890 14034 48765 04334
50936 48771 92166 55759 09356 08075 00000

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

Null message: 5761 00000

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

05283 70926 10019 30172 31085 44813 26377 59391 78291 06215
59350 49680 34871 04911 82510 67307 99227 43255 34269 12512
88452 61160 61526 31484 66971 23126 73567 79618 31557 87005
04660 28220 13612 59202 08768 31857 84680 65977 34844 98544
76125 95553 56116 29950 48891 90719 51823 23801 74310 96593
64823 55693 11883 93263 83523 82478 94959 67974 21558 34421
60283 06548 93665 88307 82298 08740 11188 38712 98205 57196
45637 09584 34656 94723 33771 73356 72055 89537 22605 69766
07400 93193 77802 41563 01583 20879 03886 29304 22115 08755
49699 92417 17190 28034 97561 48725 82034 60493 59550 49601
03483 65089 29350 32975 93714 90380 63103 21344 49079 12436
87713 56999 94969 02917 60009 91640 02659 57032 25238 72580
89050 36031 48311 92708 35274 03941 16239 96424 85071 63230
35193 58701 08900 19088 70637 79496 44694 26996 03966 60667
51238 03298 04072 57606 35054 03437 37311 22761 36778 97561
64266 83244 87940 98180 96775 19706 74093 19559 13649 38668
65227 73529 58512 55503 99403 31435 68219 30239 30554 06853
05270 23394 76373 38822 92662 64006 27251 80238 74637 47069
02170 21115 51721 02543 62523 01393 63538 03133 19769 92990
17808 03033 97879 55783 88968 24808 36507 97185 34875 36608
45810 90044 04992 86904 48885 28517 38533 88931 72718 26621
75979 72024 73627 89156 32414 42036 08100 09668 06106 18026
84983 75153 20792 37406 59969 82197 25086 46731 58282 94210
97448 20319 36546 94480 30172 73892 19739 14705 90791 65427
74180 43695 84392 00398 02506 45960 65219 83596 71531 44820
71048 84733 08983 49774 78742 09988 30000 32787 04449 96699
79367 83190 96845 73400 00406 95881 96909 52362 66460 72518
62609 46849 35921 40384 81992 30271 16722 18613 23075 79408
51244 86475 93997 68919 57574 33393 11862 09293 88036 95383
03705 45453 90959 07618 88034 58194 86594 27778 10369 35632
93139 09906 31221 06868 63786 33423 89958 55042 20755 17016
92979 51971 97226 72074 99648 81556 23129 75364 04415 44145
15709 65628 38566 59044 60820 93799 40045 07353 95882 81516
64776 82332 30428 67626 37922 39465 65187 47361 68532 63419
95649 33881 75995 94094 11028 96867 01759 78931 24581 57852
04729 43685 96206 46975 63803 98836 33274 50854 35972 23845
80601 06255 43420 96406 35541 19252 88072 58934 49096 14559
17018 39423 99008 44733 87246 68899 45762 13919 03149 62643
07424 95835 25195 57361 14284 50692 73253 21509 29206 70712
72970 80947 44644 08963 18652 27109 92254 71165 51093 99882
26047 75190 73782 62386 65001 07910 55921 09822 06103 34105
95699 79603 43717 37104 42265 54937 56257 09417 00000

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

81534 77853 01008 07021 25529 71447 48712 02323 76470 50953
33404 77525 90776 11905 75018 18600 04826 43791 33957 67383
01898 08489 22026 69983 22954 37940 09554 06143 82214 55750
52143 16750 73444 52405 85492 71673 77910 68780 61716 45132
09930 67648 25607 90752 60955 97855 54278 33535 28136 80861
08627 20898 38285 74337 70038 99990 03193 92488 60798 13461
67232 87820 71622 30874 33182 24002 44752 57956 77207 94535
86066 90861 88946 66921 04618 07649 97625 56987 03061 14143
70146 63091 67391 86392 92088 14866 29439 76881 67557 16205
00555 76713 98813 87183 99922 50925 31632 34574 25943 89146
77312 05682 44113 10103 00000

58808 40783 74748 77661 45775 19617 07978 34330 57785 03391
47317 42656 03969 88997 08461 12249 63001 98012 15270 17369
55974 59789 09020 11918 65061 23563 02660 69518 77686 97995
72295 09629 60848 41603 03050 95636 95326 52490 31517 15856
24424 30845 51979 83376 96959 12629 78585 15693 09178 97883
80670 80064 75274 22120 33410 15527 81225 44195 50992 67506
01601 49142 94497 95969 84055 89374 71670 43040 31186 12708
70782 71036 34432 50633 95748 06844 39721 65285 94718 53580
49537 11081 00000

12164/10336/8016 kHz, 11-12, 1015/1025/1035 UTC

36313 28915 31808 86726 93798 67545 33214 96255 60092 23018
84411 90475 67559 68271 80643 73309 49366 11888 53558 21720
58956 39218 95614 01500 17747 94632 90060 10893 01990 59562
19909 19235 04729 06036 54357 92803 33789 30387 36088 25059
31747 96828 17880 13472 28797 45578 21981 50116 64482 45215
20667 18219 39195 93973 61430 11860 81412 99642 85237 20996
41584 92764 11284 49014 48621 52830 86701 54978 89917 52139
24633 37785 00849 47036 79131 04393 74675 71184 30309 89321
28799 10588 78178 17612 88299 65032 68624 28426 72695 25648
99939 01484 96868 23261 83364 53515 22081 27245 56072 96920
18031 99539 70028 77830 21878 33541 05167 35735 05183 32531
80323 51901 84689 07359 60359 78725 37898 98036 82907 67252
09356 48954 53198 35009 18610 92395 80377 41368 05760 20039
53768 62614 75538 47136 82516 83903 25876 99053 47048 50310
71867 74868 35782 44139 01085 67694 65534 80696 21183 46440
09052 39702 85718 28681 78107 74538 09143 99326 35611 66517
06871 54784 35147 16352 21413 77288 11401 90024 20450 69101
69899 61238 77844 01262 49504 17637 73482 56571 56096 22977
72905 71510 90892 52453 72670 06758 21823 43350 22358 01025
71416 28216 59193 87866 19630 42740 16189 80171 45048 25528
89765 52019 52907 51957 77788 72585 63372 69305 23939 71781
58497 25329 29384 42326 11329 07495 17658 07930 45562 35037
63714 12273 99207 71034 23065 08480 90701 46700 21963 53769
10888 15059 94553 38959 89322 76212 77936 07530 08330 41367
01076 43927 63251 27829 28495 35781 92320 02131 44694 39752
24606 13501 90229 05665 19460 84850 85387 38636 95908 53462
02396 03882 75411 78576 72106 03882 86456 58064 36090 82596
04387 21362 80075 36423 24937 90864 09680 36579 94889 28974
54352 92594 48297 12960 10486 11609 21713 04859 59626 33155
46858 08572 22709 44119 44174 31352 36278 03564 65682 91886
61610 32099 60610 42136 62684 45499 62194 95137 13943 37237
19124 75952 23768 39637 20043 37941 84627 18326 84566 11565
85807 79672 19223 77885 49687 95905 61790 83968 77488 77590
62439 42363 15424 48163 75134 81851 77210 00195 57726 41659
83848 38085 04169 26305 06641 36874 57311 63287 24360 71848
75685 30785 30520 98634 52737 47572 51678 88475 11942 42322
62714 48364 26226 44492 10019 80729 35154 63984 78523 62362
58296 51757 63526 47264 28236 58586 33232 23112 91631 34151
92953 76021 51794 33651 86916 43300 51196 24115 98590 58878
17369 07621 35501 21096 20604 03584 09444 37549 16925 57319
48057 26669 74734 67068 98666 80730 08599 12407 00000

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

84005 65489 53835 85554 46006 41923 36790 47542 08310 96808
35784 03909 90000 68912 36317 15533 37343 73896 13454 16501
89587 27141 14678 72130 87859 81897 19405 20304 00539 49962
11099 75775 63586 97052 22920 02169 59248 30086 42841 81325
81581 18531 89186 34716 62223 17039 92503 76578 54860 81520
44729 03490 01826 95877 01577 50047 31257 51561 49083 65351
58266 47148 70251 89979 88543 00132 72729 38131 47846 88096

63466 14639 85798 61486 81270 21527 27449 95130 23222 33818
71020 70737 25864 49250 55282 07529 87125 41621 44998 83197
39898 72425 07869 12404 13206 40483 81425 74959 41924 74240
53293 10915 10958 96442 03274 24733 44836 15843 80688 65723
78654 25666 15401 76936 71299 13487 85981 29707 46898 12223
93425 86023 75429 46935 13886 13125 00000

77692 06071 11385 91126 60993 17607 19533 60672 35081 31455
63911 48794 59467 35470 10340 92277 31540 58865 91176 59435
00458 60381 39958 92044 20577 14228 14804 91124 24132 92196
02781 07517 17835 65419 22412 23170 33088 74183 66519 34096
84498 39255 52579 70921 16382 13143 72794 17970 41938 94738
61052 16825 04799 55775 18971 65294 14056 00000

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

Null message: 5761 00000

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

50600 51974 17227 99364 34390 80933 44385 08594 55821 05053
52421 99168 26600 78049 60879 98579 07978 00207 16268 39825
42268 44685 67365 56719 23125 77678 09773 25388 96782 33365
04391 75399 11441 29570 99501 18952 56977 35096 11167 71574
62186 24648 41598 62765 41719 82295 40216 60006 09918 39403
37063 54601 03742 57975 03273 82759 81946 95348 18274 80376
92735 11167 48426 94940 27048 02580 66761 03011 99679 78604
68527 06692 25427 09578 62229 07554 82430 12653 40830 81433
79924 59261 62831 02546 72556 15488 97892 90354 88481 51295
16694 77634 63421 79526 29725 23158 97849 10642 04686 17449
79527 34103 17189 55047 38548 62368 14448 71707 27093 98405
96645 69977 41081 12700 45661 81593 25896 40650 55852 40137
33393 36326 46573 62366 22353 43509 61115 61697 19584 69952
81770 42232 83859 75799 15683 46804 39867 12108 31201 57459
74375 70401 49397 71816 11783 29199 20451 03746 11259 08448
39591 81800 52654 67812 82264 43837 03356 09745 63240 51272
83304 73274 49319 71393 70331 29461 80354 01189 13016 14450
78248 31106 43259 61050 48633 72193 05738 14800 04915 95063
46456 45431 69360 54103 27551 89687 30935 95373 60568 86423
64553 71652 75375 89931 41452 13025 66908 72421 85361 26490
86936 51607 54160 23005 73038 04323 51715 95412 31969 52109
99575 95672 19609 29715 23223 84864 84683 72447 32561 54367
68441 83299 01323 41676 77474 65809 75100 89282 71870 33572
62674 20057 35884 32358 90322 27580 23321 35755 23816 04840
94808 00293 87771 59758 89152 90973 37057 90966 95962 13149
59933 22269 21739 11688 17627 19239 66591 23356 50008 36384
53807 93371 02076 68305 79426 92040 50931 03313 74025 92443
37922 02904 93902 95081 35653 55571 83834 10444 04550 78355
78613 35414 18656 64595 35534 84466 65358 01304 15028 61584
48729 04611 51624 83838 51161 46711 82444 92557 32996 72751
25385 13048 74831 31098 24210 48768 92182 65422 02715 20927
77204 42037 95171 89424 47143 10923 45218 16077 04223 23891
90398 56068 36635 58306 74537 88553 15338 19812 55131 22374
66338 22504 97942 37791 23155 69976 76000 50206 89134 85687
15167 06786 64333 66081 53487 51926 16624 54892 06490 22523
01736 62088 55631 58941 61905 75875 02075 42662 57826 41209
52991 96514 13593 03241 32557 08457 79315 39154 34859 64815
41096 26804 60875 03945 33064 23622 06722 26229 31139 54206
95362 21371 33228 30042 68964 98905 55533 49787 84078 32869
99658 53566 76842 56570 70205 29698 90395 68392 47549 97311
81681 34574 45467 13270 49837 99892 08335 76852 53348 42201
27540 30630 08163 15413 00000

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

09819 50981 82692 83290 84085 40214 22177 66353 22832 27170
03434 06880 05943 91510 01020 33870 34552 94553 74714 87224
88122 08391 33878 33243 70676 90806 30798 25135 82131 85694
81485 00748 75661 53632 37350 34682 87042 62336 56189 86993
46897 91661 45932 15663 11797 32830 79573 45016 75139 86604
04741 07307 43760 90057 96322 99608 91189 26649 25604 23242
23526 99293 44341 97907 18824 71102 07220 67702 25973 03484
81120 41232 33973 46299 14650 32987 47566 59760 66352 98168
30151 72742 15061 78176 99914 07222 00803 98906 90136 23505
69719 89089 09576 65953 21423 10822 63903 13879 82230 19496
24106 67303 52720 95316 52795 22272 03032 13577 24371 15402
14373 45903 99962 42357 90135 09635 43099 79938 85099 07541
87035 66470 26121 25057 89681 20183 22776 77222 37058 00260
91374 22523 81233 40260 40799 85805 23666 08582 93586 57469
79894 75672 40710 61106 86516 92655 53488 06798 36385 11077
01056 16151 00000

70873 21840 41562 58684 32197 40948 24067 28588 81388 49248
97086 50411 69734 65151 37620 08833 94043 14775 61572 85015
43301 33932 77482 43998 29395 90543 42307 32346 69122 63385
98933 84497 09642 38133 00128 61229 14579 17037 00000

12164/10336/8016 kHz, 18-12, 1015/1025/1035 UTC

31768 37277 54095 50671 51675 50737 58493 95565 77672 23419
10652 76569 66077 94005 64506 40979 16438 50548 86854 30465
50557 44329 20405 65099 76381 28037 68421 35288 91431 91698
68124 37561 05483 94802 45058 15142 87159 18050 65596 89236
64153 83174 29788 91991 31736 14264 71711 37038 49262 39019
59545 88586 29345 53402 12529 14975 49405 98095 77005 37645
40254 20207 28738 11455 31434 18682 93675 97281 57966 96833
04370 12844 58226 70440 34225 72687 17614 04852 76757 53266
37709 79531 62077 44058 35612 03482 27747 70659 03135 29983
86240 00779 80553 44088 56157 69085 24599 21308 49398 81844
75361 80924 31492 87273 51821 82371 97241 22552 30679 38121
28902 73437 88164 41508 29057 07417 09530 32933 45394 66321
95906 52886 29562 29363 23207 55224 97293 82508 32768 79131
81990 55147 58424 03219 98951 09975 19684 30186 62429 97040
35716 75485 22712 07893 39824 58432 15405 90757 99086 19186
40117 12690 68872 10057 10717 79636 36902 34561 44371 50346
36545 32668 81527 05067 34048 35678 54051 54958 19368 39164
43692 03174 55320 67421 98066 93534 64697 27851 96352 07742
60078 78732 81872 97056 45993 58804 03767 59399 48141 52104
34927 97782 49345 86495 58396 21045 36936 89324 39406 72797
91244 48650 25246 99531 69898 53465 40161 93825 67606 11372
67444 73590 56117 67126 35933 83278 34044 70505 53082 28013
41238 66925 51810 76561 17396 09254 43300 94085 09607 14245
92942 90629 58492 12050 61620 96258 17670 62221 79498 98793
86184 34668 44537 05088 58626 78984 62881 11771 22614 30595
73349 96405 58319 27156 23183 64991 19739 33646 87249 16753
02389 99586 47901 12154 27107 96830 77655 55062 94669 11350
91898 25029 90879 87471 63800 20583 46841 47986 18613 99514
84100 38574 49566 27062 99322 69990 22518 67943 68226 56436
61571 83177 73423 73559 32834 17629 85894 84523 68505 89210
54741 07580 98490 15681 84949 23581 81715 39984 07811 46873
54337 40053 73717 08004 37041 34035 22002 21687 68602 16850
07523 38453 57903 89048 88667 03437 71605 63881 06472 70721
99636 63535 09544 46698 65717 40466 04468 60853 75077 84763
36396 87449 16575 03491 29489 66509 61398 82935 41919 97564
26536 69707 15109 04587 88197 31620 21887 95553 83392 84295
43272 65081 06829 94430 28546 13556 05336 95660 18318 81210

40993 77956 35269 20582 47160 36494 72252 55778 18573 90939
32452 02006 02730 11074 01273 43789 84715 09708 54661 95308
82685 88820 33538 91320 96171 49853 39031 82067 74411 04104
28197 30637 96882 44159 14917 36200 83237 62294 05659 31558
74811 26785 24789 28456 54907 52069 09118 09076 00034 23691
76381 87161 79287 63968 97325 87219 44071 49322 26095 15208
75325 15198 68613 19179 80476 18435 00000

12164/10336/8016 kHz, 19-12, 1015/1025/1035 UTC. Two messages

06368 87283 06741 14853 16804 94764 56872 10306 23812 07331
51365 61305 72543 25028 36912 08604 78261 56671 95057 22314
78412 98938 31433 16790 50807 46032 17810 29680 52602 03348
54183 01068 59775 03577 43055 13651 11771 48696 93113 79894
91006 26271 94498 87094 91942 73508 32833 36284 59373 87506
34209 35933 00658 05132 58325 36362 01557 00962 81949 15821
00371 76731 39906 54168 00070 40722 15766 55076 23095 00531
99435 02718 38529 17649 53823 63857 16307 97304 57779 71296
88179 11991 17491 19083 00000

18444 61108 08702 16984 29706 73648 38771 35317 17086 67904
90884 70270 14833 26918 14213 12486 75160 81757 89069 63409
79693 87485 00515 72053 67020 79700 14792 85916 31054 85073
25779 52004 69878 84330 63651 28879 89771 51118 82935 95695
94086 15174 72148 69130 11696 23265 52201 64170 44655 96304
55767 59681 39815 06108 04789 54704 14027 20210 28316 26403
87658 88183 87869 25618 06100 67909 02507 70951 53938 15211
90784 27325 91503 85320 71799 79950 68455 19586 92504 39642
94120 15879 73479 40421 69242 06123 90342 15339 08859 89399
33000 61460 10965 94045 09912 20095 00000

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

Null message: 5761 00000

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

93590 79888 78929 05166 82947 86994 18700 38400 86940 25676
53625 60382 32350 23851 68397 95031 16079 27629 76541 99890
50432 96466 39967 82629 39361 53115 62443 87170 02841 74287
86688 97880 91589 32985 49760 35270 59304 28426 76428 41629
84600 64501 15235 80046 59849 62714 46905 95241 89096 20518
19819 09656 62253 51010 92214 53227 97737 64910 85821 50300
70764 80754 80605 12101 69469 74257 05312 08215 46052 02769
03502 15505 55119 65766 79762 67913 96429 87317 55776 55573
04222 31458 90949 46679 50305 86409 47272 30549 53112 78591
03104 05308 09897 02350 45578 58652 94259 76347 96303 15100
86196 62550 50053 48198 26854 08755 31131 81099 15175 00581
97098 23961 88637 33875 44561 21592 55247 43471 96679 09797
68998 49224 77117 03843 65979 05274 00101 67502 03302 63462
31269 36089 68055 86860 99030 91942 48473 74314 61076 15785
84482 81980 55772 62407 39842 52756 93091 34090 63054 89566
64789 50236 29222 33438 78506 36615 80063 32286 45479 82683
04248 11372 76553 40410 25258 81349 66191 63034 88960 44855
69147 07212 68059 87561 99509 46971 25647 64651 06793 72930
05014 18629 08769 75195 37921 89422 85725 33396 88513 02712
65831 62288 75064 47407 56313 86349 36749 78233 00109 41832
37609 04348 62705 29682 24926 49928 78835 67779 84172 97674
13729 15932 57724 51153 18595 72063 19546 76932 85040 63023
23007 12437 28090 78471 64032 50462 52519 21260 26782 36288
82166 72759 04026 38328 56922 96564 09418 78248 27088 29018
23854 31500 99776 29979 43097 34198 17059 92293 18861 57283
70531 33394 10533 33910 81997 17453 89741 50993 04955 81553
64926 40853 26561 64297 18131 33893 74784 60288 71180 58251

60415 48936 23441 97366 08624 71013 28357 41384 59762 51401
00940 93352 44090 91468 73394 16141 60111 79511 41095 31020
11215 92706 66061 03831 80302 88993 30156 79702 47091 12344
55170 52230 77781 59847 31991 78073 41773 84045 26041 72894
35122 28964 51172 49581 15422 23269 29207 84705 77798 78992
77310 24123 26707 69259 90380 63684 23212 83457 10646 65977
12453 83286 01661 99039 60960 08125 68878 07985 58537 03144
93996 55474 64365 68621 75257 91974 02043 53882 90896 41739
33241 44300 27916 15448 64650 14811 43389 85442 67924 48359
50456 84504 17292 42732 46234 14097 74540 54205 23788 73024
76044 51440 35387 42431 01533 78076 99210 88096 29284 47456
66703 65940 07433 17904 92753 41699 96079 22026 75904 60692
59885 48433 60758 28629 15845 99360 19787 89382 65920 72589
56717 10681 69232 41130 98685 13638 33478 29094 69356 07077
30286 07200 60179 12571 64179 56334 41976 91147 49839 72629
84057 07588 77355 21423 00000

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

74739 10480 30203 98605 37926 87879 63501 91418 07716 36052
53517 52393 92731 90279 12470 96694 14193 58580 65106 46285
47996 25887 38300 21640 02056 34476 31991 40200 27330 32869
32408 26260 85980 10368 53524 61956 25099 59431 17661 34068
29431 33061 11196 56298 51548 89405 76305 71732 42896 40749
24681 65167 34162 49087 84150 39976 38387 35474 14153 39228
75285 95318 50994 15723 40175 36837 68831 80640 65990 84826
67307 85497 51786 16963 21793 17084 56193 24807 57158 10077
79243 16704 31019 07028 81020 04763 37395 20383 10558 43108
66707 86258 43428 09589 83075 44632 51470 48126 04822 85652
53067 13906 99146 66741 17446 88573 26898 30197 21401 57651
98374 15964 81913 67341 26102 69266 13074 02911 85521 87798
80761 22121 00000

83416 89055 08285 11159 42112 19478 42648 82037 30794 29146
96417 48645 05659 77742 36444 62400 84614 33879 76159 17383
47707 21005 23907 85754 82967 90380 66529 29447 13601 00782
86652 80305 67463 09632 37087 05882 74761 05245 20807 03050
04913 34872 49926 86654 78498 08239 82120 65357 15261 81247
57921 21875 04061 49558 87336 23055 00000

12164/10336/8016 kHz, 25-12, 1015/1025/1035 UTC

09835 74088 43464 88838 22852 26993 34886 19395 37696 85649
20949 66633 23647 89882 42938 22800 46016 61642 62539 30955
68318 34591 03499 62064 81487 18936 69570 73438 39831 99961
30904 09462 08415 93689 96091 30543 51551 08098 12033 81219
17106 83351 58831 33367 96269 09476 31889 65443 63527 44897
28404 63697 26475 84316 80439 56301 40197 49320 01773 16316
65878 00198 40697 94452 78338 92376 55963 67552 52186 25928
58062 13726 81272 61577 83019 50091 11125 01656 90902 94047
89070 59429 06219 34024 61711 65243 42393 20628 74453 82927
77527 14158 52779 34880 73599 49384 69936 59297 56320 03566
30750 47952 97815 78620 26228 37989 69333 33393 38659 56157
56150 26962 01883 38917 51879 58914 46428 76872 74359 17533
84195 56951 70307 71833 12387 00774 00937 68383 41350 22663
25713 18844 76047 55701 26447 89172 05819 19314 38901 26426
82131 26775 84111 84095 89012 56102 16596 31911 35837 32765
31647 61065 27175 97648 98899 20777 89366 58706 14347 47143
58534 49744 88007 70210 59699 44768 09422 10214 31702 01340
58167 98904 77614 31369 51583 86919 45319 22789 46887 23119
67964 60545 39879 16839 18955 20340 27403 18984 61197 33568
25781 82915 95257 46878 62380 91051 36136 24809 82519 58137
73348 68918 38886 47104 93991 51861 55670 58469 73477 89844

84588 79206 63645 01901 94989 02028 32913 29408 65228 51012
38170 14311 67501 74516 33097 59463 63321 91316 42600 19542
51831 00901 58040 95962 38125 93864 32959 34234 13793 23342
83972 47198 66845 23402 26532 12582 63227 85370 00238 18298
67101 27982 63386 53950 92084 22325 61446 71958 00634 57517
99148 66747 93760 58023 70873 45448 58266 88589 29028 88534
63683 07697 95102 23842 26116 55500 43085 62398 81152 87167
09930 69515 33058 87576 12762 69564 72418 28282 77510 07888
79430 52725 08651 18269 55023 00586 54754 69414 47000 07241
49518 88872 63386 39256 32979 87828 90171 51854 82580 35226
55637 79281 08805 54631 08448 94041 95025 42293 01704 95890
86304 29836 00141 16579 56787 40013 52650 51232 10404 08963
97334 52346 94565 73417 91257 47305 31524 46276 82095 65381
97105 29002 63865 85137 01488 34277 83930 38185 51718 17339
93453 30217 00661 39452 58502 65276 12051 11946 73980 84170
96354 94256 47586 52996 97115 44405 45968 62691 32475 45362
20284 25563 21560 55726 53337 79724 50418 58149 95482 37378
57191 03967 81494 37890 41219 77445 45569 91577 25749 28101
76669 25167 28952 44521 81385 64840 22928 68130 46498 17823
85379 70330 18445 38441 73656 41459 41860 89590 75847 65003
24390 35553 18612 75504 19963 24415 00000

12164/10336/8016 kHz, 26-12, 1015/1025/1035 UTC. Two messages

27080 36365 34644 66388 57268 49417 08799 73331 31322 08860
14293 54208 62798 01988 60129 91708 28497 04570 59018 93687
64252 53574 59740 98752 11614 74284 51486 41710 63824 04004
51113 33565 84577 79519 09233 35757 97940 80531 96099 33324
72929 46224 53216 36678 51130 07169 21595 66683 90840 99744
82624 02720 26142 55271 72466 98422 64353 81032 55929 94792
70307 75378 70741 85343 10873 44106 78189 13001 58167 10293
81026 03418 74909 34766 94609 64410 30327 89422 82195 06188
20073 25081 00000

47666 94556 63622 09982 11700 18740 15466 78038 67162 26941
85808 50944 10209 97558 29800 95240 02528 58940 63666 39502
99172 22263 97861 83826 14764 06310 29688 06687 76512 96321
06326 23840 37489 04126 94209 78966 48600 21718 15697 70745
12675 85489 38954 46027 69131 93288 31999 13827 82640 41495
16847 59789 34236 74309 84693 65838 38297 62433 58063 64686
33853 53331 10871 83896 23637 60261 82335 59184 59339 82265
45671 21637 96476 72303 17507 88558 67343 95717 18967 12606
45450 46220 24339 68915 99919 11581 58294 84911 63249 06216
27562 42466 85214 26093 00000

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

Null message: 5761 00000

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

28409 63469 73206 28056 28189 58494 84332 40559 59343 78855
15995 82835 63873 33934 87053 83916 35636 11564 04319 91122
52528 82635 04351 72773 58746 56193 47687 83088 58092 89712
88953 06505 04258 84227 71291 23553 99000 19024 18543 65522
34189 05559 23619 50071 38616 65315 56503 14985 15545 61262
40321 92269 81909 37623 68909 89759 45120 47621 64332 72433
78390 73918 97770 60631 80556 71397 22234 87340 31284 87008
90520 81767 77645 36354 56874 71348 12963 41686 85763 19424
33885 61033 16235 40729 86624 63121 55263 61912 38283 27778
98546 19257 34224 76520 02184 10803 27410 63002 53658 45042
90652 78014 15587 53391 47709 48718 40653 58618 84165 36813
81170 16411 24044 65308 41716 72280 83065 28602 48262 00987
34511 65548 32252 20665 48626 00193 53059 98851 91486 79881

07252 92590 94280 65415 98122 89807 28937 52942 63907 44144
51042 32276 88121 20434 95970 11330 40484 93013 39189 61347
21821 64050 56644 62627 11434 94076 46195 55420 40326 61925
96015 25684 38763 96234 10906 80402 31574 45739 32451 92129
79651 80501 13969 17468 91077 41297 36176 19154 50317 79334
74516 46451 38916 53484 54084 53526 46136 77225 53091 60501
92975 32481 40790 86872 18005 92535 60829 11976 98446 21224
95933 42195 04964 40578 74888 89591 13561 84113 07734 91649
23061 77957 60126 26823 51585 16981 02796 05566 10469 28155
97034 41548 79063 38291 02165 32722 28852 88363 15913 06951
70312 61609 83630 11868 20985 17574 37303 53666 18157 49312
50280 14499 24620 05912 18665 03182 00929 47545 05306 18881
42603 25222 07312 32482 05706 02438 33057 15320 69240 60905
99582 69952 07802 57558 86349 42687 72916 25004 06279 22520
06514 32631 80013 56195 34963 50540 24338 34061 17112 83496
90701 26418 44773 67096 14769 75041 19081 43317 62947 69565
51170 57657 86826 63420 60610 45044 21462 09006 70024 96693
88444 16796 19343 25124 89694 68043 48120 69494 02915 35805
19361 08464 14638 93935 83275 72759 51816 18772 04431 74638
97876 13171 00704 96430 04194 07606 67495 05354 32900 17991
85635 86779 91990 64947 36415 13155 48649 84163 72186 90742
31726 82572 15963 51390 59327 20007 88468 81506 52425 21036
86059 05423 20452 46663 57964 65347 29798 80572 56276 65086
91159 09620 57141 69713 26672 03242 76568 78400 02762 21486
29315 12562 39667 06333 04269 86531 33547 36015 54774 52944
52131 47007 27335 40003 89839 53377 77141 22843 93314 18197
43837 96152 93299 56682 85992 40259 03803 75760 97698 97851
74481 79755 55726 03545 07194 96869 70693 33456 72637 0+154
06751 66991 88031 69670 30686 78025 41769 99464 26482 97664
75980 14170 36120 15779 62939 64782 37706 13491 36261 34393
96766 27431 00000

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

98032 78511 92635 44412 46497 85050 04146 84600 03495 64692
47399 84971 20306 95684 97887 19249 21864 59313 20123 75395
50013 49931 86526 93818 73268 17505 58920 18559 61512 34869
93545 66155 49081 06878 55563 41877 34656 63633 53957 58000
91415 04988 32789 33831 85877 88501 79734 82144 28866 78043
37849 11744 07053 95228 31486 00820 68496 40868 42319 20796
60623 78633 96393 15353 44089 98109 48153 64309 30959 99434
72382 87062 20633 66703 99985 65261 31976 28077 00000

42106 99918 58433 85034 46885 18940 11110 45927 87241 41897
40283 06212 73165 56029 43555 35911 39798 37204 76108 65199
84380 78442 12121 85257 39251 98639 07067 53512 66809 61129
09331 45458 87386 56811 94579 20261 75974 31512 21318 92300
88728 62274 31083 25870 05200 12258 41695 95205 97224 18938
07019 77031 60411 95302 41666 67815 69168 48710 34073 42919
41193 47125 96397 99828 22386 87395 24670 52652 28094 45270
67633 70084 01661 11846 27715 74001 76179 46121 42564 40900
50418 29081 00000

10884/8157 kHz, 23-12, 0025//0035 UTC

11177 00117 32178 19057 02039
74161 68704 96951 60222 27361 00723 10748 01873 47134 42464
98425 72744 05600 40320 86992 35481 07249 92366 77469 60995
17308 54394 62386 27076 74312 47558 07737 79320 78207 14611
28871 01079 07693 36498 46997 80143 59438 55283 18270 52611
78867 74900 27162 04822 33272 45416 80488 35247 47565 76970
32380 52515 11589 33678 62510 00828 87015 08071 51339 48236
09070 20004 08119 93991 26479 32875 60469 68968 59870 78587
80528 57257 91739 69987 73652 84064 96659 62887 57022 91381
37614 92018 63420 59449 19934 12572 60141 53577 33207 47681
89372 70647 02916 38285 92034 77165 54681 05189 18109 73912
62665 05431 98776 87325 43575 65958 33199 61714 02580 16970
51329 99606 43054 14585 19967 90597 66818 92954 62767 17186
80786 69618 59661 75563 02598 23861 66134 09682 64230 50728
02354 30718 87422 12172 63608 87089 98426 87859 83647 15944
20000 81719 90934 73178 25312 12926 46969 94095 10723 32871
61912 14607 36522 43964 67462 99678 75267 47118 06660 90587
04660 06265 24142 01034 04062 27275 19006 20249 99503 70494
89008 22562 18130 77214 11363 86635 23726 56802 23248 23857
28877 35390 81655 22125 65889 93470 11018 75306 61828 54396
85185 29076 00732 70713 37639 69598 17538 07734 65558 93966
41507 57201 00000

F06 – FSK 200/1000

19851/17464/15609 kHz, 11-12/12-12, 0900/0910/0920 UTC

11166 00052 14789 11050 01229
21128 58259 95722 71493 64714 88133 44166 05848 36120 12216
73353 81518 37272 28516 61209 02450 99717 77250 25186 12824
48857 33409 78880 48857 81959 39268 88347 89137 08538 00288
45312 89432 68145 92816 99460 12905 25214 57057 17012 91684
20635 73715 57726 80715 84769 47789 87580 89829 41564 47913
69260 04986 58472 74714 97673 34595 21866 56609 72680 41892
42619 96469 26205 49271 21552 17622 45940 25541 29436 82583
62815 92017 81226 83003 94419 08410 09227 24223 61578 24420
64865 52908 20254 08016 03772 01183 75966 86289 33840 45707
72925 59856 30973 05131 75054 76723 52185 24362 81096 76578
00758 19097 40988 41407 23131 79032 65696 13417 42224 53217
47691 66167 56868 65954 34258 39870 62038 36726 20826 76779
50120 00000

19851/17464/15609 kHz, 25-12/26-12, 0900/0910/0920 UTC

11166 00052 75319 25051 02599
81017 49718 69671 57465 90506 20715 95057 99585 36120 72076
44701 01748 22246 54315 53768 27749 12101 85551 33333 10365
88513 81039 61795 27225 42725 87492 00238 96310 02513 08125
61384 39526 43778 29355 86870 87769 09658 85102 12491 25946
29342 19631 26128 01359 53782 34849 48047 43924 50490 33031
88236 71624 24599 90888 60490 79668 58379 25912 57911 36776
86411 40954 19534 37021 48577 57956 42745 80688 88077 76787
21192 82570 86654 20104 12865 31137 54214 50194 68050 47026
15020 68728 71824 14291 57666 35352 80793 82830 41003 66071
58755 65458 73209 97359 40976 78028 06195 26918 81765 96074
12520 67045 65045 26382 37030 71528 82586 16947 40376 22021
09617 53743 76623 84818 32473 17748 72126 73988 07997 00663

97858 81786 59350 02754 52396 62289 37954 61266 97721 79195
06215 82839 15054 53715 20748 78364 72885 73503 20778 23720
24413 48558 51395 94823 76549 25039 76370 50441 97703 92918
60201 61181 56523 48435 24088 08126 08775 97256 05525 99516
74561 09309 76186 78961 73059 61200 97808 23563 06954 27186
20737 55445 13785 04599 54849 15079 26358 84689 67519 69876
09435 04825 88322 56463 64882 42959 25172 80094 22458 40333
21556 19622 58431 63337 09590 11477 09229 40464 38549 11088
72280 35301 83575 55179 11262 41496 64253 73385 07921 10634
27733 22623 27669 48953 76090 42648 91139 43860 42620 56246
68873 06157 46729 62488 41359 38928 82144 96488 91568 69034
18104 54109 22221 02132 18216 05037 14927 87169 06694 42679
73423 01297 36637 44315 18069 91111 40044 39940 23806 31207
64261 13230 18763 85925 24538 83083 85685 51257 00000

Link 10053

9416/7836/6785 kHz, 01-12, 1530/1540/1550 UTC

11166 10053 12587 01001 00049 00000 000000 00000 00000

9416/7836/6785 kHz, 08-12, 1530/1540/1550 UTC

11166 10053 23945 08001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 15-12, 1530/1540/1550 UTC

11166 10053 14789 15001 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 22-12, 1530/1540/1550 UTC

11166 10053 17935 22176 00049 00000 00000 00000 00000

9416/7836/6785 kHz, 29-12, 1530/1540/1550 UTC

11166 10053 74123 29001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 03-12, 1650/1700/1710 UTC

11166 10053 16425 03001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 10-12, 1650/1700/1710 UTC

11166 10053 14273 10071 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 17-12, 1650/1700/1710 UTC

11166 10053 45621 17001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 24-12, 1650/1700/1710 UTC

11166 10053 25369 24001 00049 00000 00000 00000 00000

9313/7928/6783 kHz, 31-12, 1650/1700/1710 UTC

11166 10053 14789 31001 00049 00000 00000 00000 00000

Link 40122

20157/18241/16204 kHz, 04-12, 0600/0610/0620 UTC, unreadable

20157/18241 kHz, 11-12, 0600/0610 UTC, unreadable

16204 kHz, 11-12/12-12, 0620 UTC. Two messages

11166 40122 34512 07063 03029

11614 06804 98912 89190 59014 74057 72664 76527 44339 22688

19894 03265 82062 86860 95382 38122 64780 49547 88968 80152

12153 05997 36639 83007 35962 07775 34470 93355 75971 60798

22582 39401 86270 75825 31296 30443 76798 94811 06690 53396

39728 41587 57741 77233 15405 70290 92225 01268 77517 09991

33588 08223 42201 28939 35949 08028 30752 66885 39442 83265

40637 08903 33078 72229 04503 99148 17312 50503 41849 18010

83501 97023 33072 71058 52453 55544 70558 63266 39236 27458

66513 56907 36449 56892 22219 36594 33141 94038 88406 29873

11550 47630 71419 56829 88876 62531 64882 07131 96254 83345

11527 67955 12119 90014 24895 51226 92152 16311 25587 93605

63012 87188 71746 27686 72002 35915 88474 47798 09892 86926

25857 18893 49074 15343 00289 01929 64234 19081 98791 94194

27733 64503 51004 08017 96875 91536 98534 36277 35274 89208

16368 78193 35467 77518 66007 23781 35009 56607 85046 20448

43191 09141 42847 70163 20605 66860 17028 30615 78718 77219

70430 18823 91663 31073 33268 40621 37418 37321 20141 94462

10565 55474 36589 22974 73825 22067 54899 10705 40547 31846

63827 51505 05343 59692 21934 33965 65046 34200 69232 18365

97208 98848 76805 03563 88280 21716 39117 07262 28706 39658

38675 08092 17086 47909 37753 22953 40621 71017 76837 18037

24004 76072 84520 76992 63959 14155 28486 74641 91615 00946
62308 29716 29899 72433 47739 35023 38127 76652 57160 88491
61008 87404 85913 73541 24210 50876 29172 62201 43706 01117
03051 39418 41080 05291 14645 71994 81968 24664 10684 70598
79840 02241 59478 18271 32293 12999 45866 63874 82061 37669
83822 03928 19910 45977 76443 01248 71621 00300 77974 13852
36241 15671 37578 32549 67789 37066 29529 50660 17611 19920
99520 14304 79562 24790 81773 26691 05211 62135 66633 04852
81251 48111 23339 12250 86306 57355 07665 15710 69317 83668
63300 00000

11166 40122 48526 07064 02469
09099 40099 16699 44552 17275 19196 00456 90528 12316 66199
24439 05182 08804 12289 10935 06865 08040 86703 94781 87994
38299 36750 17180 52890 87758 11200 36406 40083 59789 55491
97608 40032 05297 92199 28868 44193 11804 85186 55719 86366
53958 10885 51315 62275 35151 85146 64425 38296 74934 19097
92448 85290 21936 02430 91640 98476 96941 37580 41730 89263
95841 73214 07118 60003 07131 10474 61846 97589 23645 80410
70530 46835 53225 16053 42420 49586 57993 67532 00812 60476
76927 33723 34967 75301 11429 08812 26742 32906 78562 67260
69112 76565 61660 35568 18779 85758 12979 24304 50046 14299
88087 18821 02151 95750 16696 52101 37241 02062 39575 08166
51186 66364 66302 29494 04405 05865 33473 26880 64901 05776
68105 15167 80697 50219 85894 23300 23841 11034 79028 52135
73191 30442 73236 78433 28158 58490 58761 28490 70580 31215
24952 69825 16951 00478 53153 94386 28142 51384 47579 91680
68852 68245 08870 35293 33946 35016 80007 31224 83863 81130
19283 01475 56319 08703 80005 01325 46439 61994 01627 93741
72554 25119 41994 29357 69823 58899 05390 05440 78871 12823
46068 02322 21639 73036 51966 20692 81626 32311 38272 68213
30719 92911 05556 68891 69777 38326 42123 93634 75194 34769
75309 35443 68589 48410 01380 77664 51832 89271 48729 28754
74598 17708 54074 21976 26618 74434 56317 03482 71825 20022
37778 57206 66592 94802 67472 40019 29229 35121 26130 25567
52939 06877 17639 80240 79424 42287 96605 19716 75319 90801
66707 19494 78642 20129 64244 00000

20157 kHz, 21-12, 0600 UTC. Not heard

18241 kHz, 18-12, 0610 UTC. Unreadable

16204 kHz, 18-12, 0620 UTC. 11166 40122 12587 18014 00049 00000 00000 00000 00000

20157 kHz, 25-12, 0600 UTC. Not heard

18241/16204 kHz, 25-12, 0610/0620 UTC

Not heard on 26-12.

11166 40122 56438 21065 03179
88263 83117 00689 73526 30038 36252 20775 11551 35754 80974
16025 00581 17760 40044 80288 85142 50036 15069 55178 16136
76313 45874 20657 72555 62439 91064 91592 12999 97661 53210
37457 42895 74535 97104 67347 08397 02120 34524 47539 52868
32169 73926 43739 96906 03002 58533 05234 27840 30725 41225
33123 09634 02519 69693 99815 49141 51652 80277 11995 79644
18928 23942 34211 47617 30241 72805 15327 13644 44933 80689
84962 03440 54643 96092 12159 69904 37328 51060 43436 52153
96147 74352 62427 42447 37900 02386 38286 96986 70701 86347
55053 51473 25577 18950 39163 27406 31684 29251 27283 40037
99821 18974 41676 43917 93933 38771 65266 76984 95287 27867
33603 89122 89016 65513 85900 66127 27711 07710 42353 85025
51751 07600 99907 61673 71062 43006 63675 76583 37985 99533
56179 89907 65945 82667 71621 81515 73613 57320 67356 77119
59241 38257 09756 46355 34857 79832 16666 83786 75014 38485

63617 08754 59781 06426 46009 45001 16653 39948 14427 66037
91074 30810 25297 17149 00273 94119 74056 50012 50067 71161
03035 30843 19363 70598 01229 08017 42006 96495 38158 50100
40687 36594 98988 90227 92581 09278 13120 37770 31427 92671
93407 43215 15696 84297 28226 27218 17587 64745 93545 09746
12490 63778 77221 00253 73637 52319 32667 34839 01615 08753
04125 71305 43417 32980 90692 78070 80755 06672 41315 77860
92276 23138 97917 32129 19406 35277 28870 77134 90483 95019
19973 47618 82892 82717 15148 49008 27864 49912 24029 64112
87643 23916 38626 05203 59706 47652 26265 47463 87717 53184
90984 04712 83907 92370 20574 33352 92573 73092 61446 75479
49370 74481 88528 77093 16096 39588 62359 42332 95652 68930
90585 09694 56868 63360 36034 61156 23870 89679 38555 00153
09696 67455 42828 59328 98835 00454 49303 24020 08378 01150
30483 82396 82466 81732 79718 38198 99734 10062 84712 47008
98427 53991 42922 61999 48877 62521 61034 00090 28033 57194
05725 64446 75731 32188 97858 65315 00000

Link 40133

18589/16248/14877 kHz, 14-12, 1500/1510/1520 UTC

11166 40133 14279 14038 00049 00000 00000 00000 00000

18589/16248/14877 kHz, 21-12, 1500/1510/1520 UTC

11166 40133 15973 21001 00049 00000 00000 00000 00000

18589/16248/14877 kHz, 28-12, 1500/1510/1520 UTC

11166 40133 79413 28001 00049 00000 00000 00000 00000

Link 70059

7379/6774/5463 kHz, 16-12, 0500/0510/0520 UTC

11166 70059 14789 16001 00049 00000 00000 00000 00000

Link 60070

10272/9075/7518 kHz, 10-12, 0030/0040/0050 UTC

11166 60070 78965 10001 00049 00000 00000 00000 00000

10272/9075/7518 kHz, 24-12, 0030/0040/0050 UTC

11166 60070 14789 24001 00049 00000 00000 00000 00000

10272/9075/7518 kHz, 17-12, 0030/0040/0050 UTC

11166 60070 16324 17001 00049 00000 00000 00000 00000

10272/9075/7518 kHz, 31-12, 0030/0040/0050 UTC

11166 60070 17935 31075 00049 00000 00000 00000 00000

Link 70202

Link 70202 is still around with transmissions at 0700, 0710 and 0720 UTC. Repeating the same message at 1200, 1210, 1220 UTC.

13473/11109/9178 kHz, 04-12, 1200/1210/1220 UTC

11166 70202 23587 03043 02099

93568 99756 20687 88675 37334 09292 62802 76047 81122 77611
25025 58950 97824 88390 96806 14978 02158 23877 07707 58613
74895 04818 20824 77101 86039 25033 99366 32063 46586 29039
88554 37751 43610 06187 80040 51923 38327 99738 51041 40233
31836 54319 95365 00105 28220 50190 88511 55010 49706 97773
54050 55103 83554 90867 23455 45128 65380 41996 06580 85559
28584 48317 14968 37897 74588 61536 05180 50061 43552 60270
34332 02821 90277 48279 45026 03197 94960 27017 21858 35775
63512 15944 86705 07864 97097 19018 24964 49440 35621 60824
59928 53819 04808 40771 17514 69979 21597 78780 48486 82489
37518 50933 00407 39968 24744 38481 56466 18018 34509 38684
83408 27571 82576 10896 55711 04577 41441 56345 48239 41979

43967 55039 14528 49916 28125 08244 92909 55081 77545 59958
07653 75173 37547 95835 57308 29398 11348 42980 07458 70924
66140 19065 30033 52262 03714 04200 56414 59488 75313 33990
36481 76247 45434 37226 20806 63486 34217 66642 08185 65844
93152 96170 25684 80640 93772 83148 33395 50396 34011 18892
71082 64832 91941 16098 88917 83274 81549 06488 29478 13407
90254 47155 53204 07311 02853 59033 24502 60727 41578 45933
00680 26476 76952 67582 90897 77978 89141 65107 77334 83808
84471 62397 15737 79222 96812 91780 57560 43207 00000

13473/11109/9178 kHz, 05-12, 1200/1210/1220 UTC. Two messages

11166 70202 14523 04044 02179
72806 98068 19686 54994 46196 93218 96877 50429 81974 21274
63750 21568 40595 24234 03900 29436 17401 04857 36368 70489
75890 61762 34899 91642 16633 02759 38307 60872 24018 47323
06650 66819 58018 54184 02886 45831 83165 34941 04709 59890
51918 39650 76245 73848 84609 25327 54308 05425 13169 43292
28875 46389 80797 06307 22510 78377 14789 21423 98383 31771
14685 99502 51602 61082 22945 77330 63523 35282 70326 13260
23746 66497 13159 42338 49464 25544 04703 01832 56874 17692
67771 63107 64317 17135 60815 30800 31844 83589 54650 95192
66906 09451 62015 48767 50830 70964 87153 02846 65794 81827
87595 65273 26975 72680 65341 65069 49555 44904 29622 34986
05288 72182 98431 87923 48295 48243 31020 48123 14794 04240
08519 23082 26431 44194 04913 27136 51929 71940 15526 92632
06710 08017 35207 29640 95195 19930 03425 20135 25481 14241
58427 57590 51050 63903 67688 67923 19227 69289 26799 72714
31063 76351 44009 80663 42327 00343 52594 18192 60308 28550
18254 35156 16090 00457 33705 46583 17017 88799 17679 96390
09018 29929 60490 54008 03475 76925 83388 79851 48339 73916
03855 20579 48168 75009 24049 20073 62775 56303 84587 57078
39185 94392 50842 45442 56568 09820 23947 57886 88863 98907
93688 59253 14751 02404 75498 60164 29688 84379 98695 27017
39672 19824 38199 09283 41440 44215 00000

11166 70202 14567 04045 02059
41683 66613 58957 87901 37400 77167 04288 40917 52162 88768
98033 22242 91196 93157 01912 30470 72546 80918 45660 73458
06264 31186 44372 98710 65104 58887 03417 61760 45165 11681
71901 37222 39908 33794 30606 02210 75986 38940 25323 46800
84336 59510 81554 91246 04955 64214 61481 14601 48808 61375
49169 24464 65305 30047 74923 22533 88777 46157 14744 45629
62397 95856 25825 86914 62977 93259 04011 26959 75084 44772
74175 29367 87909 27184 49445 80639 13328 71722 20204 78961
48588 71245 58823 01604 32068 52771 51058 05624 65532 82526
90025 41555 01338 95700 93737 84776 18007 68093 32089 14238
32630 71848 74269 93240 23513 82453 92514 31960 61518 29196
83143 36384 73536 06268 90821 73372 86521 86699 46984 06517
25533 06314 58351 82484 64219 09883 06486 72544 51175 76691
44321 98945 60623 67667 00595 00863 40842 61290 28133 19562
58791 70458 56929 07509 64361 57494 37924 91073 22695 89486
88469 41555 88004 01148 75371 34176 17339 57386 96481 99764
47725 32763 46750 98795 85125 50038 79698 72483 78653 44982
00235 50611 78473 49650 49751 20791 00838 11291 69455 88828
48683 89096 52846 84898 61236 95972 23302 95202 91056 77503
97694 23800 31961 45328 21980 14313 46263 07083 89696 86166
64767 60129 79313 45203 00000

13496/11046/9065 kHz, 06-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 06-12, 1200/1210/1220 UTC

No transmissions heard. Null message expected

13496/11046/9065 kHz, 09-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 09-12, 1200/1210/1220 UTC

11166 70202 67349 09046 02199

97621 70732 79473 29002 80073 49298 73268 49964 80680 10508
66205 29056 48077 06701 40748 57474 07661 86892 27220 87987
04008 52664 01947 19378 91841 56706 98766 47775 61462 73737
82372 27080 09592 98477 56892 05650 91564 50345 08174 31444
15804 89595 03189 42812 66520 74562 95008 87119 65572 14706
06783 34387 09419 99142 93157 78136 42119 05360 02578 40637
50288 17785 88896 24732 90980 10912 45748 79426 88403 76662
62108 71445 60431 00671 22481 79926 60835 17192 00155 56449
48169 97294 16965 17581 17261 50059 67990 62134 54237 41440
34638 30314 01016 60494 34532 46948 40212 87663 81673 15993
36397 44791 55274 58482 94628 31566 00729 11139 22220 78081
11156 27803 04659 68193 62932 50887 31624 13363 03680 45041
34044 81684 16127 10200 18123 11766 06280 16228 07277 66170
89363 26322 27916 04084 71935 01380 00023 77920 53643 02501
18436 83538 97040 33835 35809 18746 38909 92936 83158 29811
41521 20838 88948 50639 07286 69003 82653 64312 05202 25379
93721 41683 82575 66702 81894 36706 60421 29276 59805 43191
35998 15377 93806 42680 40904 77511 93952 98110 28185 47672
29079 72976 86874 03821 27923 80666 07419 90746 52212 93658
46421 37525 52662 67267 64128 38732 43827 57635 33121 91620
58730 38644 41628 06446 69219 47439 39902 32111 82983 13258
03111 64349 53163 49243 09160 28595 61502 46217 00000

13496/11046/9065 kHz, 10-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 10-12, 1200/1210/1220 UTC. Undecodable. Incorrect bandwidth 500Hz vs 1000Hz

11166 70202 64512 09047 01879 and 11166 70202 49851 09048 01959

I ditched the message before saving it ☹

13496/11046/9065 kHz, 11-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 11-12, 1200/1210/1220 UTC

11166 70202 12369 10049 02099

63538 98540 57414 77084 56859 62381 45925 81694 67815 44878
37909 43705 11259 43803 14780 07948 75196 93392 93793 66059
19532 76845 84273 06322 69061 10003 99780 43303 05380 19667
43441 13205 87410 64978 08593 45884 55230 75305 61964 49464
96886 03062 01548 68479 82885 14920 06381 01501 98049 69827
20395 89165 25421 57284 37546 08555 61902 94305 80398 34858
70331 04525 89345 56258 97658 27847 64677 52981 13933 34120
28653 76439 51771 39239 99788 89408 51009 47135 96540 53182
38206 66075 12564 72633 95710 72719 30746 35124 99959 22370
68195 04202 33702 28845 69375 54015 01838 62427 89570 55394
05561 39303 35871 49523 54480 00959 57863 70153 21428 06941
05219 00285 69626 89447 94361 74261 06904 43159 51407 61212
46649 48771 23559 90776 80196 53650 76144 07051 90318 58061
17490 61704 60522 80392 18813 82178 59833 99826 21316 75933
07754 99891 47685 56662 49087 61319 60159 03414 93313 77673
32380 88566 98198 92149 27190 35585 02333 79025 97579 92501
36281 18155 52964 32055 67038 35989 57983 14433 55465 11517
56005 73536 31408 70602 34524 12734 16175 17128 74643 21016
47068 74393 51827 45493 83650 35209 80102 81192 00440 44118
16921 64064 95719 60177 70833 78154 71140 73756 79199 12875
61823 75762 48098 31307 21628 02755 71631 49207 00000

13496/11046/9065 kHz, 12-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 12-12, 1200/1210/1220 UTC. Two messages

11166 70202 13568 10050 01789

52817 01896 91499 71540 11655 35819 19847 07226 61293 47404
31360 15835 75085 47729 77988 14904 04645 89562 72079 83719
09184 57807 57367 12027 67762 74503 52719 12491 10391 98063
67067 89128 28903 21437 08977 78878 53571 98881 39273 08503
06367 56048 40179 34011 66821 63038 99389 54788 11430 75148
32525 19620 12518 70975 92405 66801 07524 42569 38576 65508
74626 17327 65516 50631 75661 16314 12999 68253 52256 78692
06986 73963 86123 06957 04559 51176 59463 12657 41266 41677
76382 67289 04363 05546 31305 88066 80362 52673 35282 13220
50347 13042 36148 46553 31457 37964 93471 75919 88024 49468
94218 95305 60765 80010 20084 85225 87473 69711 02411 31094
13664 13302 25660 84285 16583 73952 65337 95543 91050 06200
71337 75457 70540 55127 32639 61658 81964 24017 84273 97457
57578 27637 42534 51591 52454 73359 79326 33761 40963 37310
71629 85673 90691 27708 86986 52246 37241 52614 90969 62682
08342 34254 87554 76095 70725 37114 28343 71369 98180 01991
51571 85946 84244 03187 36838 33229 47958 71041 86498 53284
06128 46976 69647 76527 10522 63251 50176 00000

11166 70202 59614 10051 01499

64408 15564 02539 35898 32649 78783 09489 28717 06114 88193
43022 09166 74141 66523 72032 72966 46565 94081 28710 09272
85139 34586 81413 83763 12777 50138 53332 50754 67820 41315
66654 92737 95513 73279 16896 10803 93872 73870 07100 14386
56130 14605 96587 83751 76959 10527 43941 03690 14651 99833
48922 91820 26431 89237 22992 69983 19113 75976 43140 52112
82278 82431 68705 47069 96145 64271 25857 99845 31353 78073
89456 19586 82810 19359 16959 67858 04824 66964 14059 05626
39684 94714 36755 22340 56887 36300 59539 95601 45199 14330
64373 54830 24730 69471 30164 47364 71223 50636 27410 30456
69737 52124 47709 37568 39902 08691 22827 92430 99957 84457
12986 69291 61740 16604 69101 22790 73812 99786 98612 35901
54937 22217 89625 59384 85055 89338 73039 41169 45979 96034
27351 69125 28983 33314 55821 75644 51466 40404 90690 77476
49898 38189 04140 49263 41206 04943 30666 51147 00000

13496/11046/9065 kHz, 13-12, 0700/0710/0720 UTC

11166 70202 14789 13048 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 16-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 16-12, 1200/1210/1220 UTC

11166 70202 61243 13052 02799

68714 35273 83950 92140 08966 56866 62240 78457 31197 02799
73500 81309 71095 94843 18270 36770 50899 28546 71026 75994
95213 46043 13044 33249 89888 24220 41902 37234 57405 45379
93603 65399 47202 42623 38222 65938 64377 37125 35022 77139
85212 09489 57988 98792 32947 72371 27709 95331 12246 36567
10536 35402 25792 87734 70970 97548 21451 15960 88212 96691
43435 65325 72805 11104 85911 95708 44312 14554 72488 73951
55970 43320 10017 36629 77251 52748 90147 91581 70274 43055
37080 50399 20998 59049 24934 09060 11139 93474 13201 18891
41753 48645 73683 15060 44404 36076 07388 94760 40882 18785
74791 62302 37379 25960 87922 83281 64089 94677 37704 15013
96147 18357 54977 05432 16854 06642 28662 77630 09126 86397
29482 42231 86104 98502 12690 04775 96863 70138 98241 60324
68151 67242 51840 92450 68102 56835 15305 18817 02866 33894
59686 50513 82074 92463 59579 57365 14108 45695 12062 56376
17066 24497 48699 65508 56411 09485 14055 89976 45211 75925

09143 33255 67906 56349 23252 49979 13558 50532 02600 82921
29505 37524 29226 51245 31365 69417 08588 82212 30326 51540
89280 03537 63657 38767 63321 38564 39380 02624 20443 71481
31036 48883 54825 74724 83494 90342 47706 15784 15727 04453
74306 85591 31495 30508 08518 15682 73887 86069 23769 76299
84636 07319 13529 72662 54163 43015 79879 81552 73279 56764
63579 95421 22490 17272 14087 66213 59824 81269 22943 66072
93149 98806 68988 07139 47887 95595 48821 87609 66076 12088
90949 56263 97729 03985 77081 12620 70405 33858 18966 84938
47942 08565 64253 53238 14287 42163 29785 09516 43369 48992
85768 72366 40933 96621 39270 98184 69292 73351 90453 56129
90925 49947 60020 59056 91858 40306 11272 52277 00000

13496/11046/9065 kHz, 16-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 16-12, 1200/1210/1220 UTC. Two messages

11166 70202 56482 16053 02679

16433 96839 48267 29254 62831 45930 22473 60360 00307 50739
72271 30992 25997 63638 67894 09164 39329 53515 87541 29709
08591 07379 69164 71912 52827 08626 45542 53640 06271 27902
42342 40419 57468 87502 43866 92889 80302 85241 56152 01079
99103 88733 22128 78923 55018 36020 68508 17491 65849 03488
89110 20318 96527 27002 94290 69328 82425 87201 81170 94743
72682 94899 04367 47447 85741 37504 51880 97212 94282 72428
55863 05262 81730 78396 92927 44568 37540 00609 53694 66356
83434 50683 86268 36229 47789 47325 43329 88356 30346 08653
87518 71180 24449 32125 34819 83043 88986 23004 40607 21216
87229 57281 58071 92721 34747 90029 23675 60431 23599 45088
49368 22837 14974 47042 26218 50963 17489 81421 69148 30842
93303 94058 57492 84987 59262 65544 51022 71317 75246 21724
86158 82953 36914 66156 82048 97333 15027 45494 11182 48082
08543 83703 14259 18072 03669 46069 63977 77108 56055 18930
07431 12690 38326 16065 41813 27267 20128 47683 03110 00440
72877 12949 72457 39542 16420 01971 29883 67034 49754 18218
10075 18156 33035 57263 39905 47265 13030 02829 62375 66310
09226 26046 76668 63868 02757 98876 49014 78182 95363 57631
74028 22645 30551 77525 91240 87160 94143 44205 86475 63823
36427 33186 32794 70344 83047 33137 50661 69680 26885 73950
92053 09282 18055 45533 78168 28408 94248 18265 45439 06960
18601 01041 79537 54228 17248 97863 42054 61051 33794 48901
19538 63762 42854 66951 49589 93407 89869 05260 03692 08648
49372 17624 31468 35793 18906 96714 96049 64403 90768 01559
55246 71887 68781 10125 68209 75550 22262 57936 32261 35519
94390 48664 79595 56976 07160 53265 00000

11166 70202 12537 16054 01299

69806 67412 79106 45571 91240 78138 89484 76032 10502 79823
77823 82426 91659 59970 92447 35461 08641 65148 25856 70842
81068 73917 48060 99744 45348 46010 21281 26012 59444 39982
56918 74789 64793 16498 00755 62275 53773 69455 57316 61256
16183 52127 89321 42150 63163 90507 53182 94210 51997 01055
56463 56603 60219 55017 48255 14025 82489 56531 78405 36571
48652 26665 86513 68521 86424 10621 06674 95737 77152 50261
98856 46373 78069 89156 42899 04556 09501 02339 56031 41755
30440 67953 19869 95517 50944 22988 27818 50238 54787 70271
88832 99683 30803 28937 48452 95937 36348 45520 13062 14454
41346 07895 88312 89917 26327 29227 67645 02589 32905 94133
31842 19831 90146 84242 45553 22487 65240 25325 61735 70823
11936 23205 69935 89703 15160 80624 49362 54127 00000

13496/11046/9065 kHz, 18-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 18-12, 1200/1210/1220 UTC

11166 70202 36987 17055 02759

52668 88336 26520 95185 44950 39471 33071 93570 21200 23095
66874 60050 36111 86282 06342 76881 27013 20928 12185 28849
98970 33000 92450 22190 88112 02916 23126 81330 14111 91709
97731 90658 57764 72690 04376 73494 24618 93278 53671 25460
80548 96704 05978 44428 70266 58255 71398 24242 54663 15761
80961 04392 27945 99010 52434 92837 00483 87778 99206 04157
58336 53147 55673 80224 35360 61825 17562 85586 58851 48138
20636 94738 54678 83381 06215 13477 22803 97228 46953 01531
19163 30871 31303 88639 04837 26589 30113 01284 48430 83431
93787 42241 92617 33705 53452 90167 20793 19938 24564 11383
84747 77032 36395 01053 79319 49274 35835 95945 74957 96893
38950 25972 44131 71862 28726 96667 42527 67625 22450 19831
30964 72430 57149 34485 48971 80977 66543 85366 75967 44037
47926 51115 40966 60761 42439 39361 66764 43346 77150 90894
59531 08751 42396 60103 79752 77150 02807 63865 55455 81824
65466 16094 23658 20144 53636 90106 10981 00373 59486 76015
89346 63945 74259 25327 67729 87936 19324 99935 05868 97372
26536 67696 60886 42114 41361 11772 02771 17964 47185 45931
59624 36705 34247 53000 78650 74754 61654 88634 13789 55110
85882 17620 75956 42297 54234 74876 06822 54979 86664 68358
62047 25939 94427 66035 14949 64109 08979 34140 16495 98340
19564 18881 72601 07595 42942 88789 24638 67253 73670 79908
44102 66223 88394 10996 77387 74538 02585 60931 01591 66126
03141 25527 77283 26447 05326 95909 09206 99676 07443 25682
50796 55136 41709 79037 13515 77637 44761 77013 66883 11448
96215 84084 40190 12558 98749 02276 61792 88929 98106 64975
96945 33427 66494 47648 70118 79108 97791 37628 82708 31568
88009 30185 62107 55273 00000

13496/11046/9065 kHz, 19-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 19-12, 1200/1210/1220 UTC. Two messages

11166 70202 84751 18056 01599

91525 24307 73794 88716 23620 38989 42003 22393 48444 11618
79227 36643 48914 02941 95045 83532 81234 48344 13238 91213
07433 39290 72732 37407 06512 97823 93882 49538 18903 17580
77264 67480 03906 69737 27184 29825 14804 97347 17074 69627
21342 46479 38975 30563 34260 07620 04287 39434 11559 65768
87976 95952 51194 82654 33431 65756 99885 59523 60140 87579
32722 53931 41401 30522 83262 48973 44229 62351 28803 98395
48664 14784 60517 96025 88656 56670 93138 42950 81725 11030
93886 10889 39572 76869 35319 25197 76838 41731 01791 15933
60197 95888 04223 10430 64963 84153 82853 65810 31410 56206
02667 64876 37980 01407 71182 23821 33581 79014 33301 85189
96148 79751 22885 94532 09663 79655 75760 84191 76819 72153
33846 12645 09521 89296 95062 32864 64395 48090 88751 88107
15522 82861 81254 58592 81544 49600 41361 07488 49372 13209
20312 99656 61654 53596 26030 91589 60198 51564 96287 15972
02550 40410 00483 09315 93888 34196 24713 56157 00000

11166 70202 34561 18057 01859

85874 76242 02037 35759 28047 32527 18278 29628 53602 05687
32778 54547 84704 15899 68187 07517 00183 01422 11366 75755
75656 12991 54158 84277 40176 90746 46753 06457 47793 15862
24578 42267 87517 54067 94676 93889 80088 33255 92484 93364
35001 22356 44962 61987 66221 03676 01004 06122 90029 55864
15078 79142 53438 89734 95022 64158 66602 04084 49939 57239
37678 53732 99122 55812 33560 46955 27964 81921 14931 14492
01761 95038 19073 17331 73377 74115 88860 85446 45692 73556

71389 04686 74764 82808 34670 93979 24659 44250 75822 40080
09878 09068 19218 82002 86314 35813 27993 62364 76692 61315
77386 87798 41404 98650 63325 65646 30706 41849 44702 09102
79192 82026 42785 28001 28498 64623 46194 47441 89150 42461
94873 21428 77533 04264 41520 33718 88875 83380 13872 03066
92215 76346 26330 35047 58278 26015 14327 87652 56194 48916
89883 42842 80009 11547 41801 01236 90915 85268 28916 42148
86139 34510 39859 16133 30432 17962 17757 62235 11089 07437
73312 67144 02452 54102 34698 08424 50809 56757 07711 49011
15650 11857 44609 75178 28207 49949 45086 95130 53215 88235
37805 40443 64833 57183 00000

13496/11046/9065 kHz, 20-12, 0700/0710/0720 UTC

11166 70202 41272 20028 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 23-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 23-12, 1200/1210/1220 UTC

11166 70202 82649 20058 02459

70182 98335 76671 36670 55741 58784 99103 84457 46123 34631
31524 79944 27908 52309 98735 85420 78818 06853 83027 22839
36241 98251 24647 69982 46776 22968 98166 36016 12771 50322
13161 58627 46751 38434 12634 89927 69710 69390 67647 63324
14178 08350 91568 58521 18010 16257 22392 06865 19846 70853
46555 04203 92158 75682 62710 23448 72836 61767 08859 44047
81245 11654 01318 40515 29695 60500 58923 97258 66256 53912
10945 41838 09863 67195 12109 13886 63633 15727 13205 11853
17359 11127 60686 84775 75080 42915 23714 61248 68709 90349
72080 32790 43615 94119 53451 33797 27125 42598 43359 85263
15874 52328 66385 94450 42932 47433 11978 27716 10666 67649
93331 98662 00251 59643 22772 38813 93783 31336 02080 42988
69929 73888 51197 06579 59047 81058 23751 96907 68717 20604
82823 25852 15621 37427 35422 15923 24701 93144 49075 77000
81555 71767 98990 35886 48979 06186 19226 85883 83605 05141
56292 48588 13593 85370 48639 65060 63272 38620 80464 58594
35710 88206 83261 36249 89117 14815 83571 21333 68049 56221
20361 34043 75314 10638 80462 62426 95560 98349 25525 90867
06449 61338 08897 78279 38360 05592 05899 03192 68582 15767
05905 17918 60902 96908 39680 78991 86549 22904 40409 46068
87416 96366 61857 66457 67514 49630 02090 87499 23580 41542
06206 63956 50779 29752 46503 52607 84453 23166 03529 11246
63832 44274 96445 44249 28658 56022 36149 61928 84659 32924
99576 45828 98805 81099 48650 37171 10293 36924 42279 90635
68178 98983 14871 58243 00000

13496/11046/9065 kHz, 24-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 24-12, 1200/1210/1220 UTC. Two messages

11166 70202 58149 23059 01779

75201 44745 36818 10678 31077 31663 68012 44102 57638 22496
16511 79266 01797 09880 10902 61139 73529 44363 82218 11359
88429 15890 15125 02936 34956 58828 16786 23330 83588 66463
33096 74346 80053 25905 66956 82290 89828 09339 78297 16803
86098 82565 70519 41835 98358 16767 93050 47182 63846 14420
14707 34029 49000 85323 47538 52926 33116 33648 25847 17654
71403 41964 70079 43403 79624 63177 90256 82698 07502 56320
08654 57531 93076 27114 06395 11101 15227 59265 23672 27642
86498 47420 68256 93740 53471 67711 12003 99598 96821 46847
80025 03681 48292 15668 62243 09164 66724 58113 01971 25660
40380 91542 41245 14614 07710 39332 27592 41838 13767 81700
11885 85610 44451 95694 92024 73781 05783 20267 82091 48315
40370 07398 11683 80712 98275 45181 85113 86754 04475 63824
55160 13995 90064 60500 91050 00443 79449 03973 45377 27882

50654 04959 49621 18245 10984 63137 92980 46504 55193 26767
64186 68494 98365 25834 60992 87116 00690 64670 97026 05362
26312 84987 60703 39584 03467 35252 05861 91469 78056 07354
78831 02130 77879 26488 11624 59175 00000

11166 70202 96375 23060 01979

11815 87942 88961 79658 04762 31240 07937 35337 28842 88590
21901 53620 24594 99075 83270 56635 77817 42561 20636 08690
91864 19859 33355 58015 40096 33784 90547 00482 28204 19512
76671 76222 21088 97705 50865 35105 13964 48818 12251 31993
52405 32036 88378 37720 30992 97285 89006 76734 25262 63738
92397 27337 36653 63268 56323 45453 55118 72273 70964 97878
69106 80330 95890 15935 77586 69088 48313 05477 83824 99865
34791 74175 75572 33364 43583 62034 21373 29962 39833 86058
37675 04001 30775 35025 06425 30521 93141 75286 47840 27867
79969 53550 78043 64623 48988 07562 06251 64287 79778 20644
51198 06148 71882 81012 81484 45784 41066 31824 09544 03637
55905 22876 93903 95074 81900 99903 29440 00414 25292 92424
30307 98307 93771 86039 35227 10953 16275 90152 89832 34558
89048 37038 85748 53492 40165 73195 61097 61570 29692 28914
92122 38902 27687 77017 30604 57747 37215 16689 66769 15807
54568 43340 22383 20398 83891 90451 03684 71944 48373 54319
68894 20221 65221 37658 89953 91788 76588 72976 13178 12057
53639 11690 48540 70415 15960 89878 42246 01872 33474 06657
12299 83620 03079 76067 51738 70005 17163 38453 29249 14284
66218 42238 41814 50659 42710 60195 00000

13496/11046/9065 kHz, 25-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 25-12, 1200/1210/1220 UTC

11166 70202 15649 24061 02859

46528 34368 94765 23950 36930 17532 26017 55699 64853 61526
60356 61655 77925 03394 52512 37981 44628 98889 23027 71262
92199 30773 93488 83374 74726 67984 76145 48325 01089 24129
60104 92002 77454 88729 61304 10772 44026 29654 28440 69857
10693 90183 22033 67450 21316 29142 08836 75473 01300 77531
38754 92940 68157 10108 96475 72861 09756 55332 44997 08605
59915 92149 03227 90685 26067 07007 24861 69891 48645 09572
70720 87696 96907 30580 91722 59895 30867 50247 64693 24406
84024 30679 48197 89157 46589 50737 50569 41022 53879 66767
27350 01719 09580 47658 50296 41623 98553 57643 15161 87429
68891 85299 80434 84593 87890 42177 54228 00502 01636 79488
71489 79299 52898 96307 28736 84312 37004 37708 68500 89016
00397 06282 30662 02461 11545 35468 12873 40117 58916 98147
07239 76069 55681 48916 05469 37492 55844 23497 89664 27344
11490 43710 50940 86233 25828 01456 03065 29373 81724 20131
83313 19568 50417 16928 57704 62186 10084 14453 72829 33029
28968 75089 21445 75056 92740 56561 14025 24893 80787 12125
73458 55057 21112 83817 95073 42854 78533 62224 39189 01864
55884 11175 48366 36960 12865 80824 06561 08812 32286 57550
82350 18785 88336 24101 23441 50198 96610 28438 94616 26863
50549 84708 76350 74839 73993 54779 66232 98366 44549 83776
50425 05875 67429 88074 37327 47040 04476 19149 70625 46817
88049 51759 63934 47372 74460 69876 24200 93865 16646 48811
56068 25030 60771 56959 64391 54454 96442 25625 97068 53541
15219 60340 95404 72057 57120 92127 44179 57218 49798 92144
38610 57246 70088 98141 10391 20341 82590 26174 80009 24993
35010 66007 27519 02587 14909 83649 98947 38224 97576 79449
90549 60708 39701 75202 78069 57626 98527 28691 83216 76465
81193 99113 94532 61283 00000

13496/11046/9065 kHz, 26-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 26-12, 1200/1210/1220 UTC. Two messages

11166 70202 58912 25062 01579

45899 57836 15327 43693 74499 20375 68982 33090 08603 34206
93287 23223 66662 83268 41307 21291 69027 66063 64314 52485
60767 78511 69816 68866 49820 73467 62881 74752 27668 32831
50451 67041 64718 13200 13337 13918 97573 50987 75569 20376
50393 37951 25804 53989 57513 03078 70468 29384 79532 61743
23325 74829 30041 18097 61160 29402 55176 31612 00262 44149
33204 83730 73395 85700 86303 05539 11946 65748 21748 52422
62934 44857 44667 36627 95573 84011 09579 53669 77072 42371
02881 63532 22357 44644 73478 12581 47412 66531 53756 07144
80920 11672 38059 74683 13889 78533 10887 73513 91952 40677
41978 36974 80040 88845 90482 63034 54098 08295 85396 85225
99535 89827 74460 85871 21115 97950 58694 37539 93941 44598
54776 83642 10265 41859 52426 94153 01754 32149 59012 57344
41966 19259 48536 93497 58664 48716 57213 01536 10692 10910
92814 74491 09086 65395 49971 44765 87115 09836 48616 45106
48930 42007 37764 41256 45321 62155 00000

11166 70202 73461 25063 01899

79913 51213 15115 38920 41004 99433 20330 37041 49153 14520
00563 27749 78049 73969 63593 26389 61623 08455 42825 75242
62623 63429 99106 21401 05739 83505 36328 63487 54961 18009
22971 28165 39872 71170 36805 62367 60543 45382 74919 52188
25743 50953 96262 04372 04119 80815 88906 51331 93070 73601
79187 65648 34978 13540 24943 94979 35475 40604 60009 53308
63477 69359 82181 29482 37618 39928 01813 98977 28813 49528
93251 49822 33610 38015 16294 58608 98043 25862 99846 77555
96650 28022 04978 18529 96362 92104 09560 44984 59935 34311
81673 07749 68625 71549 33971 85589 68794 73195 76188 16513
72117 80903 07981 30710 64100 69931 19287 21111 00582 50404
90395 12471 96911 31955 08906 14926 39491 00188 45768 72964
74370 78382 57606 45741 52572 72908 07479 79680 36854 25747
21298 59297 99575 22600 22074 47185 66371 29990 09185 49094
85306 59800 74849 65049 26213 84707 74990 12444 39888 52912
96690 32033 31845 75640 89408 12783 30295 85823 52155 96506
53065 91416 93817 48217 03121 71774 08809 03141 47394 90541
35243 26333 58600 23474 87813 45827 24728 24645 82567 45252
55890 79466 95761 26865 43235 17966 59321 63187 00000

13496/11046/9065 kHz, 27-12, 0700/0710/0720 UTC

11166 70202 89617 27082 00049 00000 00000 00000 00000

13496/11046/9065 kHz, 30-12, 0700/0710/0720 UTC

13473/11109/9178 kHz, 30-12, 1200/1210/1220 UTC

11166 70202 39275 30064 02539

70970 44453 19025 86783 20602 92473 29055 39598 63143 23219
01382 36318 32610 52147 15219 57648 30749 54079 50125 03608
43756 65544 91444 89465 65735 20801 04203 83974 33576 44999
92642 75810 02953 52906 87601 79191 20115 26631 28899 14577
69175 70795 34935 25413 99570 68585 76687 16848 63378 87110
98279 27353 17198 05529 51332 69201 68257 64352 35259 98717
69453 59389 60716 02266 93001 28749 78380 08883 37392 06350
40244 65521 47323 40373 85622 35822 51321 00089 69051 08358
46722 19507 72268 25291 86694 51273 67466 67377 49016 29264
23995 56254 91261 63302 75719 59951 22113 14450 91203 12564
43467 24295 13910 84021 43032 96684 64613 60891 42098 55338
23207 24158 28178 25770 32090 34908 27185 14975 88320 63864
94864 87300 16736 25710 32144 59948 41205 04128 54092 66539
96224 78503 67185 62191 46025 88228 34562 68528 03389 95531

33950 82073 65363 32792 37959 94459 08053 45254 71419 97888
07683 65095 25469 74290 80119 77777 33056 91599 56037 66619
35557 55611 33910 46534 95203 90828 78033 22857 32985 48762
53744 36214 96737 67100 17040 79363 89090 28202 00780 96942
09964 90336 64650 04066 93306 90122 01098 84708 42762 39593
14393 55812 95939 66320 15038 08049 71992 70056 96689 59183
82185 94306 87785 80974 08134 36285 95071 85540 77409 43683
81206 82148 91192 71699 43637 40334 83668 98751 86933 20321
17845 24326 05762 56656 47483 97385 20701 06006 99833 48790
34062 95048 58859 26148 97933 29408 53625 54556 11605 49553
81566 71653 90580 44609 21297 10422 74366 60020 14658 28191
65201 64251 00000

13496/11046/9065 kHz, 31-12, 0700/0710/0720 UTC. Two messages

13473/11109/9178 kHz, 31-12, 1200/1210/1220 UTC. Two messages

11166 70202 35971 30065 01539

74440 11382 77587 29308 82417 00704 81843 91069 54860 87233
66818 31381 02653 02605 51788 27172 88165 22221 06517 66000
17902 97228 54881 82951 20790 14719 19620 03120 54300 97088
62877 63081 05592 76490 02238 09818 79858 05332 06937 00513
93070 88735 03931 51666 11302 49916 48524 10967 03823 64400
39229 50347 02153 24038 81556 03677 82255 16729 30412 97516
12067 32815 65801 48378 31545 34069 81522 24927 57421 46215
91526 98556 29852 60927 83650 30791 43148 58235 75395 70932
27778 85274 51448 62401 75821 52331 87620 81208 27077 32098
90909 54993 57992 73098 10356 36061 40619 63206 98388 26868
63776 04201 27350 81380 33601 83288 90877 30754 95689 52549
44843 06764 46004 52213 67526 61428 22733 38736 43715 06260
96305 03587 02419 19583 99727 93706 62884 95355 66444 69555
68595 31938 67905 61697 13955 84226 68026 11862 93324 27617
36737 09410 27117 07219 89788 59150 44629 70756 47026 41443
28296 65151 00000

11166 70202 59416 30066 01739

59299 32886 35902 98589 36011 97865 79927 74416 93957 83129
91223 92397 74460 54146 66442 57340 84337 33941 40406 16869
04269 13682 82808 63669 93747 46187 09465 10479 59801 58264
87794 36274 81665 42851 41241 27087 08608 16861 82291 59880
73079 55709 28806 02937 86387 40418 83332 31181 09074 78266
80100 79888 13193 82913 29370 85204 78662 24929 13841 84918
90895 88666 16794 77934 31877 96436 86662 65859 81895 85886
67712 25174 74100 51547 51523 83390 69081 86480 28967 97663
41655 84958 47346 59279 97043 92110 02413 72450 58638 11492
19923 80879 94533 06491 06440 40503 75009 56523 74058 61867
78173 53952 68744 70576 85921 52661 56971 59235 37422 04238
50353 29337 32312 42675 72942 46534 00779 03564 00901 57720
82734 88677 29214 43368 83250 11921 45148 03557 96451 87551
13133 01133 15059 46631 00757 10432 67760 92633 00558 45009
51603 32152 27315 62808 51589 41640 95499 72207 64670 56128
06608 87388 70324 90847 01026 06454 14897 31701 54145 10738
01904 55524 21404 08742 05478 66061 61930 73146 49146 56608
95502 66171 00000

Link 70048

7929/6897/5813 kHz, 05-12, 0800/0810/0820 UTC

11166 70048 75319 05001 00049 00000 00000 00000 00000

7929/6897/5813 kHz, 12-12, 0800/0810/0820 UTC

11166 70048 75631 12001 00049 00000 00000 00000 00000

7929/6897/5813 kHz, 19-12, 0800/0810/0820 UTC

11166 70048 14789 19001 00049 00000 00000 00000 00000

7929/6897/5813 kHz, 26-12, 0800/0810/0820 UTC

11166 70048 17935 26016 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 05-12, 1310/1340/1350 UTC

11166 80214 12897 05001 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 19-12, 1310/1340/1350 UTC

11166 80214 61427 19054 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 12-12, 1310/1340/1350 UTC

11166 80214 36857 12035 00049 00000 00000 00000 00000

10968/9354/7963 kHz, 26-12, 1310/1340/1350 UTC

11166 80214 52314 26052 00049 00000 00000 00000 00000

X06 - Mazielka

X06 logs

11438 kHz, 02-12, 0907 UTC

MFA Moscow clg 532614: Russian embassy Paris

12149 kHz, 03-12, 0954 UTC

MFA Moscow clg 154263: Russian embassy, Rome

14922 kHz, 13-12, 0912 UTC

MFA Moscow clg 124356: Russian embassy Dushanbe

12177 kHz, 13-12, 0925 UTC

MFA Moscow clg 356412: Russian embassy Berlin

8123 kHz, 16-12, 1643 UTC

MFA Moscow clg 463125: Russian embassy Rabat

6870 kHz, 16-12, 1652 UTC

MFA Moscow clg 463125: Russian embassy Rabat

5838 kHz, 16-12, 1656 UTC

MFA Moscow clg 463125: Russian embassy Rabat

X06b logs

12320 kHz, 03-12, 1107 UTC

Sequence: 111666

5087 kHz, 06-12, 1516 UTC

Sequence: 111666 before E07a

5087 kHz, 06-12, 1518 UTC

Sequence: 111666 before E07a

12320 kHz, 10-12, 1046 UTC

Sequence: 111666

11320 kHz, 10-12, 1058 UTC

Sequence: 111666

11230 kHz, 10-12, 1106 UTC

Sequence: 111666

13320 kHz, 10-12, 1107 UTC

Sequence: 111666

15320 kHz, 10-12, 1149 UTC

Sequence: 111666

10320 kHz, 10-12, 1220 UTC

Sequence: 111666

12539 kHz, 12-12, 1246 UTC

Single tone variant: 111111

XPA1**11531/12137/13932 kHz, 03-12/05-12/10-12/12-12, 0810/0830/0850 UTC**

395 395 395 1 395 395 395 1 395 395 395 1

00428 00150 44750 88870 92620 92566 01510 25185 53628 32783

25465 61708 29893 92720 01227 65941 71396 09492 48590 35164

18809 07879 37529 24375 46945 24344 54511 98011 24319 92435

86899 11315 73686 93645 30852 02776 99923 84476 29453 67045

35655 01455 81930 38344 59043 45325 83948 61835 68963 62367

28723 42441 35458 72065 11639 69091 23878 30335 09078 25025

59470 20530 66219 06905 70088 86235 34503 81859 29861 06777

91739 24757 59821 91207 10048 47249 06863 09569 96641 77244

98863 26258 33594 35292 78015 46246 31081 26637 59514 24853

99481 28854 32085 13651 95145 19200 63857 26231 03340 33534

34053 74781 01197 10309 86055 72125 71183 26950 34515 40228

90947 12972 48467 84077 36234 97890 41306 70199 99913 10805

37610 71635 04829 07581 24598 91308 03890 57824 59003 47548

00587 70694 03487 76588 01333 81805 54449 74205 05995 54619

95236 83272 13628 04513 41377 95242 23658 46410 00419 24959

42717 94101 13455

11531/12137/13932 kHz, 17-12, 0810/0830/0850 UTC

395 395 395 000

07487 00001 00000 36667

11531/12137/13932 kHz, 19-12, 0810/0830/0850 UTC

395 395 395 000

07945 00001 00000 40263

11531/12137/13932 kHz, 24-12, 0810/0830/0850 UTC

395 395 395 000

06134 00001 00000 33661

11531/12137/13932 kHz, 26-12, 0810/0830/0850 UTC

395 395 395 000

08983 00001 00000 37270

11531/12137/13932 kHz, 31-12, 0810/0830/0850 UTC

395 395 395 000

03630 00001 00000 34256

XPA2

12192/11486/10631 kHz, 01-12, 0800/0820/0840 UTC

11 minutes long message

11493/13393/13993 kHz, 02-12, 0800/0820/0840 UTC

09526 00001 00000 36663

13562/11583/10281 kHz, 02-12/04-12, 0910/0930/0950 UTC

00669 00085 66353 33177 26212 66519 10571 93875 59307 11611
52477 75425 98546 19367 97220 56618 20373 26104 02272 42198
36389 26344 96681 14379 24125 35777 45372 42528 72557 33458
66857 15093 67112 17892 62506 33444 72944 31505 70187 99896
69059 65782 25004 45110 56018 38337 39047 55231 12944 34068
07140 89115 37127 94674 56316 31116 41829 73996 61524 70454
89504 35641 35348 55857 35391 60723 08633 34462 80689 12441
94631 88403 23948 31847 94826 44769 39809 23982 77967 49342
22476 75862 88666 43113 42939 26638 80344 67627

10807/12207/13507 kHz, 03-12, 1200/1220/1240 UTC

00156 00042 10992 53774 80096 01084 27127 11220 88893 51424
56412 57450 08131 37519 36649 49274 41881 91999 40482 22371
92515 21681 19423 03578 26804 34398 81506 05827 55407 17299
39344 79490 77802 35564 69510 58767 04343 16410 80343 99061
28372 81696 70283 45297 25573

8184/7684/6784 kHz, 03-12, 1600/1620/1640 UTC

09799 00001 00000 41272

11493/13393/13993 kHz, 04-12, 0800/0820/0840 UTC

02183 00001 00000 33262

9389/10289/11589 kHz, 04-12/06-12, 1200/1220/1240 UTC

02892 00040 93033 01265 84322 37075 22260 69323 23385 45989
01184 22793 67590 48800 21215 77118 88910 47503 38244 35233
13513 92125 33743 81332 59460 72504 16382 21070 36370 91647
48142 22297 68954 66851 70716 42240 55716 99787 58530 80016
35161 89980 52625

12192/11486/10631 kHz, 05-12, 0800/0820/0840 UTC

05506 00001 00000 36655

12192/11486/10631 kHz, 05-12, 0800/0820/0840 UTC

05506 00001 00000 36655

13919/11519/10719 kHz, 05-12/07-12, 0910/0930/0950 UTC

08345 00066 91543 04489 91200 73619 35822 97267 36006 97083
04394 03735 73931 38946 57822 72079 11562 68359 58743 13529
34995 34093 81853 25756 54235 31241 40896 72298 59166 37137
17795 30331 36945 74436 85621 51512 99889 95855 72347 21498
67438 98027 43806 30235 41223 17165 69565 46422 67402 65018
66154 50830 72700 64266 32200 35544 48958 04626 88132 64836
41137 81955 12482 08467 58254 15837 89325 12833 72011

8184/7684/6784 kHz, 05-12, 1600/1620/1640 UTC

04306 00001 00000 35654

6984/5884/4784 kHz, 07-12, 1600/1620/1640 UTC

05714 00001 00000 36656

10807/12207/13507 kHz, 08-12/10-12, 1200/1220/1240 UTC

00457 00040 11801 75119 78768 56434 22878 38194 28085 56640
51648 73424 22361 90111 57194 28475 26708 00605 79559 55752
22928 79964 97408 15611 40561 56184 05630 91102 71768 02946
59037 21367 81014 02489 84949 00754 40225 69995 71617 05676
25895 57571 34564

11493/13393/13993 kHz, 09-12/11-12/16-12/18-12, 0800/0820/0840 UTC

00142 00133 85788 30688 70435 08298 29710 36281 84317 23888
73785 57760 24822 65688 41166 96147 33832 16170 62086 39028
75207 79095 14684 41582 59837 80398 28843 06497 61116 55407
44890 86480 50014 62569 83388 08318 79202 09410 13954 21666
95297 97314 71685 05050 46221 05705 45159 21675 70243 31622
38415 74047 66279 17914 06367 86766 53545 63540 97771 41261
02577 91054 37276 10864 70875 53175 15331 30922 81285 96713
09037 49520 16135 94603 53920 35659 73773 72852 78298 48285
08066 57381 57201 01263 25550 44282 58003 68658 47282 28380
06035 50045 72160 64697 60550 12759 31998 66062 83914 20073
78522 25607 35046 40809 32438 35400 37176 68254 54403 76135
22120 34255 01926 52713 79227 04763 67346 17833 02912 76093
89386 53068 52733 30679 33856 59309 90085 07606 11837 68180
25592 37066 23736 11140 76740 06004

13562/11583/10281 kHz, 09-12/11-12, 0910/0930/0950 UTC

00442 00134 70326 92691 05127 44120 43238 37480 64282 58052
95708 81610 96013 92817 95206 48243 43729 35562 96679 71575
68137 63260 95144 90719 86576 50460 34406 30189 27869 47508
35410 47213 816619 6609 00064 16022 17499 91633 18885 08645
34064 20010 46853 38420 51921 80323 72445 86607 42258 72740
65122 03224 34872 73804 30579 29966 97669 94038 09912 23836
43119 22385 97606 16679 00558 74297 62534 96357 02362 74200
07623 29854 77928 65901 67336 04706 00102 08463 88164 30740
04137 96840 65565 46686 21214 22268 48874 57041 56584 63077
55481 60178 01480 24822 16923 93251 07822 78343 66279 52918
73968 10877 26578 42099 69962 03095 35905 99096 38240 68713
11117 76801 74595 86722 76858 88923 77269 55161 55145 24170
26930 90998 57793 93363 36738 11145 49260 29195 34229 15031
95365 87286 14429 55087 35669 52380 17307

6984/5884/4784 kHz, 09-12/14-12, 1600/1620/1640 UTC

00412 00264 44455 68888 91124 76329 20903 73595 53991 09376
57407 90637 14088 42544 01840 43203 66255 33636 61084 17887
77324 54255 79688 36777 75733 28518 99771 23821 87481 34486
85553 44789 50887 58148 10352 62556 34085 47421 84692 70393
59679 80805 60087 61420 17879 65371 89309 62367 11869 42403
35941 71103 71687 59914 66406 04492 64542 34125 13153 64386
16791 76370 52153 57516 08698 87171 86932 22858 86526 69848
55030 04826 76616 88665 48804 52854 72631 10522 78502 42380
43433 32676 82580 92579 18608 32061 20842 64647 34936 62989
26762 33210 55618 37605 49741 04219 71561 37028 48512 64431
51796 61483 72732 39044 00633 48668 95387 20923 45035 60073
88316 15137 77676 15960 79356 79593 96249 90619 46340 09933
41457 33320 73603 15053 59191 42872 39789 66785 79084 24917
20197 63152 23918 47857 66683 18865 90525 03000 95539 96939
33182 18067 22645 38948 57988 69133 97906 99911 32510 32368
40937 41969 70106 85066 70819 03006 61153 18060 46345 23538
70266 42801 60692 10380 57300 17126 03166 20293 00925 16495
14399 93361 81716 00327 59650 95818 59085 38266 24029 55031
25834 44474 33725 45293 32824 00563 54033 14329 27384 22878
26712 41100 14602 47689 51644 49268 24450 75066 10298 86524
65412 48325 71098 23319 22700 29476 29168 38930 55912 27086
63258 25877 84291 35361 33433 50102 25483 90637 41063 05002
65118 80494 65095 46900 67115 82620 21245 64925 61366 95628
87806 96647 26860 84625 95364 42033 41091 35086 48353 15568
63226 70112 37120 92142 81556 05509 26964 67333 05761 62734
06396 34674 62760 76862 29241 52514 13783 96017 49217 23020
15195 26815 52586 93158 07289 40604 16326

8184/7684/6784 kHz, 10-12/12-12, 1600/1620/1640 UTC

00555 00278 25121 67902 11007 55966 45245 95334 90216 33562
40313 34076 69712 65210 11046 21217 08424 07631 89335 52735
64462 24384 23872 18993 32112 77916 28993 98641 13379 08283
08950 29061 19784 90936 16230 61330 02800 90082 18189 37438
37703 55728 03094 41424 67838 88602 63609 11796 42652 93321
90606 76486 20326 73666 40744 08077 10075 73849 75205 65379
42056 24236 65968 62943 53183 74568 37841 96033 05144 63893
87073 11609 67629 13779 13180 96706 64492 95118 88321 96660
89661 21634 75073 71098 94462 32246 37846 76037 22288 70107
74988 27994 96646 62123 88530 70059 52834 10135 75119 80807
16635 90664 04667 57296 57240 54014 22626 51349 16593 94484
01897 60321 02029 39645 63872 71685 25772 04304 90810 14419
23462 08905 77349 57907 91589 71832 32921 93006 29244 73690
73494 10909 67181 49185 62579 51064 03012 82084 34245 68699
82589 56245 04591 75804 97001 37099 61149 44813 38616 25444
30878 61137 52548 70367 09150 61357 29833 17350 60572 44164
62238 80513 28517 91880 57778 84979 93769 46592 49617 63189
57410 80148 32748 39257 12844 22698 94082 86090 58728 16167
09248 60326 65106 67994 04278 66280 96356 37138 39371 01435
93616 35511 32364 07094 25567 71324 87415 69048 53104 05133
52885 32641 14895 43071 61369 15331 68761 60810 40932 80246
00173 71854 15340 51575 87222 72936 27377 35669 22544 32199
70968 03728 03983 30438 31467 06968 59863 95733 61535 86316
05408 12197 02301 06882 90308 50366 24887 23780 52509 90894
06372 49902 81403 88132 67608 24855 26576 02880 25247 98295
53263 36053 20117 82444 29171 42787 41210 61497 18628 91220
14260 25896 87639 37596 91664 57181 12779 83522 72920 07591
64748 85754 41346 44235 40262 92268 36363 91729 66870 36081
23426

9389/10289/11589 kHz, 11-12/13-12, 1200/1220/1240 UTC

00300 00070 30162 48805 46970 53850 22763 69788 77812 86263
27625 39101 20162 13652 85210 60386 58526 54498 35011 50057
39517 91483 11795 20674 74898 94398 00404 80532 23614 97032
44160 53756 73054 82988 60357 44814 25619 83470 70127 21977
52990 15198 07043 89352 63826 37746 00640 20443 42515 40206
04564 79974 16211 08593 44866 69920 45505 26321 25492 65302
32985 23835 71161 51014 54058 80050 39647 47878 13156 16941
48811 72379 50756

13919/11519/10719 kHz, 12-12/14-12, 0910/0930/0950 UTC

03102 00059 00874 44937 94232 36641 49922 89106 67260 92735
55176 16181 82270 49659 99959 68319 66241 28884 56979 66636
72144 66165 66376 33511 24464 64984 50997 25068 05479 53939
06618 39055 02720 26955 08118 21994 59280 59695 43538 31135
02214 80955 50094 32222 53277 44246 79358 99426 09921 79962
00044 66476 91532 30040 14229 61311 61173 86627 13385 33957
59536 62166

10807/12207/13507 kHz, 15-12/17-12, 1200/1220/1240 UTC

00222 00058 14498 84451 72604 62435 77175 80142 43367 42413
84475 14143 25189 95106 34807 38068 65497 51630 51856 08328
40719 22483 91752 69568 48103 53942 35042 41334 37859 31381
55108 84273 69216 52785 82260 92551 23630 41235 32903 70844
97316 64605 76532 56374 85952 21400 65852 01190 05606 19218
28240 94705 01924 63736 92944 34205 28076 59429 78793 73920
37671

13562/11583/10281 kHz, 16-12, 0910/0930/0950 UTC

04605 00001 00000 36654

6984/5884/4784 kHz, 16-12, 1600/1620/1640 UTC

03030 00001 00000 31256

8184/7684/6784 kHz, 17-12, 1600/1620/1640 UTC

04882 00001 00000 36264

13562/11583/10281 kHz, 18-12, 0910/0930/0950 UTC

03339 00001 000000 7256

9389/10289/11589 kHz, 18-12/20-12, 1200/1220/1240 UTC

06805 00062 63936 47339 07338 86137 10653 71573 38768 95751
16522 63544 76544 33177 61873 42514 16366 74964 78613 54582
65179 64947 68097 45311 81416 65553 34351 18510 67747 92369
42337 02123 86431 61068 70330 38999 78086 32996 58305 72296
58316 79808 55079 09626 35587 53512 00002 28413 67660 15769
93306 60067 62363 61056 50884 66423 67432 98815 71308 07806
37250 81303 10895 92092 54003

13919/11519/10719 kHz, 19-12/21-12, 0910/0930/0950 UTC

02450 00122 10378 85624 88601 57911 21235 97900 23841 10137
41350 05889 39575 92951 67131 33627 73051 79217 07163 35779
47438 20917 94246 55538 82985 43133 18937 46516 55305 87445
27195 93175 28635 12464 56658 55321 01560 36633 53006 73046
38686 44167 50205 52734 18546 89802 31558 06732 58732 17567
26316 02493 68725 69482 40461 72049 86098 22991 83045 76129
36530 28742 09391 67935 78571 87517 32088 75405 26968 61129
71453 67720 42999 59188 45668 24481 34784 20743 22450 52543
87508 94871 29248 18495 93009 60013 84836 02604 34088 20033
54509 04476 25555 73544 88239 63652 74416 57374 96213 42626
55106 34904 49526 73726 64703 06596 08011 83851 68181 34919
78409 90472 31970 74979 88419 80283 10784 29400 78580 60899
52468 69167 48003 87899 21420

8184/7684/6784 kHz, 19-12, 1600/1620/1640 UTC

03755 00001 00000 37260

10807/12207/13507 kHz, 22-12/24-12, 1200/1220/1240 UTC

00373 00030 01440 54075 26577 42139 04544 14821 24024 08856
95828 00270 63455 13391 22790 50638 51258 28242 96633 67970
42968 70280 72312 78261 66662 83889 88877 91440 01890 28855
71131 97445 67514

11493/13393/13993 kHz, 23-12/25-12/30-12, 0800/0820/0840 UTC

00468 00087 95950 41141 89505 27011 00866 62175 95442 22860
27998 67373 77371 56262 47079 21770 53140 52167 76775 22261
35163 58856 00249 87806 76067 46285 40720 71500 42945 96238
72960 22999 85824 93846 47517 55618 52948 23976 59287 44825
69529 17444 07691 51692 93644 91071 51338 90696 10614 77093
68070 50147 99711 94859 50552 79966 82500 28917 25828 94512
27717 88555 39166 20838 58914 64564 51851 52250 49336 02906
50801 20824 41977 05785 17942 47766 47921 18148 95138 45049
23382 19080 75297 46573 48432 41252 76385 78792 25992 10304

13562/11583/10281 kHz, 23-12/25-12, 0910/0930/0950 UTC

06203 00097 29608 21830 86327 66639 29767 37654 99629 23620
94808 30373 17996 19379 40068 46219 66075 79943 15998 04690
15457 99028 26673 80171 13856 19307 82681 93488 09305 95814
43185 34487 91311 58022 14752 96933 99840 74975 46978 31333
99499 38932 94986 81235 59753 25449 11783 87631 79677 57273
72389 39781 95559 23005 68211 22241 58890 96911 82676 24974
49038 25053 63712 60525 68050 35953 91364 93623 00136 48662
44902 03941 87038 41196 78923 72900 88992 98087 66100 81764
80837 32339 99901 11415 95450 94290 19012 62670 53707 25212
22848 84450 56942 46478 64092 80943 92185 47845 00382 42770

6984/5884/4784 kHz, 23-12/28-12, 1600/1620/1640 UTC

08090 00063 42077 30519 87444 40374 99738 65329 93019 23566
02641 28132 71027 01778 36101 01277 04696 52977 26303 90395
86889 57034 36651 73915 37689 13438 89063 14774 64190 23663
82006 29145 97407 99679 81870 35337 98185 75856 12681 34751
67405 30582 30275 94484 53316 87099 91536 10333 97513 19049
95540 03046 54110 27777 31303 58600 44498 22652 86327 11751
73326 09200 44334 68494 77241 10054

8184/7684/6784 kHz, 24-12/26-12, 1600/1620/1640 UTC

00317 00105 57278 95434 35871 83457 16725 68713 97924 97517
43440 63719 37904 42615 62160 58384 76955 79174 08544 03276
26454 04974 17965 93778 65714 85024 45105 59064 40289 84016
04600 98925 33413 52444 66860 61734 14690 34603 79681 46835
86683 42258 78027 25206 62123 94592 52335 00316 50620 35132
22578 02076 93972 35003 17051 65228 48100 95236 12497 20392
25830 94869 25581 71434 52000 56658 55804 47004 25321 32894
92811 70886 87685 85427 22998 80292 36350 87075 91993 06853
97595 80061 88050 69336 69489 77781 87755 91547 59852 86364
70163 57345 12197 72389 79186 69352 90255 32549 75664 24157
36334 68032 95710 42929 12685 07817 71710 74471

9389/10289/11589 kHz, 25-12/27-12, 1200/1220/1240 UTC

08225 00102 74772 39388 27480 15049 91047 99828 48891 16584
74703 43862 37831 76706 36795 18049 50678 74521 36209 65184
67283 26340 24470 43922 76865 91823 63026 59556 78551 00356
62852 50388 64274 08443 72221 28227 10898 43877 52522 59047
73902 59246 83321 26811 30497 79321 69764 24770 46290 64905
98023 42062 18711 55595 30082 11753 79531 92711 60976 01659
26821 30745 20736 43359 76775 89910 79301 69665 48442 50685
20089 40590 78186 42878 25558 54314 47260 42049 23323 01205
36090 08329 14882 37189 71246 17990 60956 86683 65599 00583
79384 27877 73837 62310 10265 77302 43427 60832 18183 68210
42083 32036 60564 34403 57614

13919/11519/10719 kHz, 26-12, 0910/0930/0950 UTC

02891 00001 00000 35663

13919/11519/10719 kHz, 28-12, 0910/0930/0950 UTC

07238 00001 00000 36262

10807/12207/13507 kHz, 29-12, 1200/1220/1240 UTC

06577 00001 00000 37265

13562/11583/10281 kHz, 30-12/25-12, 0910/0930/0950 UTC

01978 00001 00000 41660

6984/5884/4784 kHz, 30-12, 1600/1620/1640 UTC

09866 00001 00000 40267

10807/12207/13507 kHz, 31-12, 1200/1220/1240 UTC

04638 00001 00000 40257

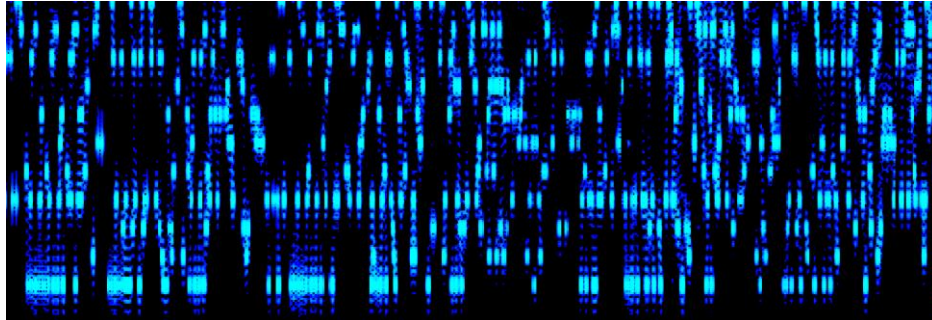
8184/7684/6784 kHz, 31-12, 1600/1620/1640 UTC

09377 00001 00000 36270

XPB

Transmissions heard on 02-12, 07-12, 09-12, 14-12, 16-12, 21-12, 23-12, 28-12, 30-12
on 14483, 13983, 13483, 12183, 11583, 10983 kHz, at 1100, 1110, 1120, 1130, 1140, 1150 UTC

Transmissions heard on 03-12, 08-12, 10-12, 15-12, 17-12, 22-12, 24-12, 29-12, 31-12
on 8058, 7558, 5858, 5158, 4858, 4458 kHz, at 2000, 2010, 2020, 2030, 2040, 2050 UTC



DIPLOMATIC STATIONS

Egyptian diplomatic stations

9046.7 kHz, 06-12, 1835 UTC, SITOR-A 100/170
MFA Cairo. Test sequence: 12345 ABCDEFG then clg XBVO: Egyptian embassy Paris.

UTILITY ROUND-UP

North Korean Military

4947 kHz, 11-12, 0745 UTC, i.p.
VVV 8LI 8LI 8LI DE JS9 JS9
QRU 7667 7667 VA VA T T

Japanese Army

2421 kHz, 22-12, 1000 UTC
Collective callsign: PÂÂR
PÛÛR clg PÛÂZ, PÇPÇ, PÂMP, PÂDÇ : PÛPÛ, PÛVZ, RÛSÛ, PÛÇP, RÛÂM, RÛDÂ, RÛÛÇ

Japanese Air Force

5055 kHz, 22-12, 0950 UTC
JJT88 radio checks with JJT20, JJT55, JJS21, JJV56, JJZ37, JJT44, JJU22

3195 kHz, 22-12, 0955 UTC
JJT88 radio checks with JJT20, JJT55, JJS21, JJV56, JJZ37, JJT44, JJU22

2671 kHz, 22-12, 1000 UTC
JJU22 radio checks with JJU33, JJU55, JJZ44

2685 kHz, 22-12, 1000 UTC

JJT44 radio checks with JJT30, JJT88, JJW35, JJV89, JJV40, JJW46, JJS76, JJT99

3210 kHz, 22-12, 1000 UTC

JJT88 radio checks with JJX25, JJX36, JJZ59, JJZ48, JJZ26

3587.5 kHz, 22-12, 1000 UTC

JJT88 radio checks with JJR20, JJT77, JJT72, JJT46

3852.5 kHz, 22-12, 1015 UTC

JJZ37 radio checks with JJZ82, JJX58, JJX47, JJZ71, JJZ50, JJZ93, JJZ60

CQ de JJZ37 QRK ? K

All outstations responded

3691 kHz, 22-12, 1020 UTC

JJT88 radio checks with JJT20, JJT55, JJS32, JJT33, JJV23, JJV90, JJT44

3650.5 kHz, 22-12, 1030 UTC

JJT88 radio checks with JJV34, JJV56, JJT66, JJV67, JJW24

Known callsigns

JJF20 Tokyo	JJT88 Tokyo	JJV90 Komatsu
JJF3 Funakoshi	JJU22 Asahikawa	JJW24 Nara
JJR20 Chitose	JJU33 Yozadake	JJX25 Miho Air Base
JJS21 Misawa Airbase, Misawa	JJU55 Miyaoshima	JJX36 Bofu
JJS32 Matsushima	JJU66 Kume Shima	JJZ26 Nyutabaru
JJT33 Hyakurigahara	JJV23 Komaki	JJZ37 Itazuke
JJT44 Irumagawa	JJV34 Shizuhama Shiz	JJZ44 Okinoerabu
JJT55 Fuchu	JJV56 Hamamatsu	JJZ48 Tsuiki
JJT66 Kumagaya	JJV67 Gifu	JJZ59 Ashiya Fukuoka

Propaganda

The Russian-Ukrainian propaganda war is still going on. Swearing, yelling and excerpts from propaganda radio programs from both sides are daily transmitted. Russians shouting that Russia will destroy Ukraine and the USA with nuclear bombs while Ukrainian operators are jamming the Russian transmissions with Ukrainian music. It is always a mess. The transmissions can be heard on 7050, 7055 and 7060 kHz LSB. In the past months most activity from 7050 moved to 7060 kHz. Web SDRs in Tambov and Khimki in Russia and UR5IB in Ukraine have blocked 7050 and 7055 kHz.

7055 kHz, 04-12, 1008 UTC, LSB

7055 kHz, 19-12, 0818 UTC, LSB

7055 kHz, 26-12, 0823 UTC, LSB

7050 kHz, 26-12, 0823 UTC, LSB

7055 kHz, 27-12, 1551 UTC, LSB

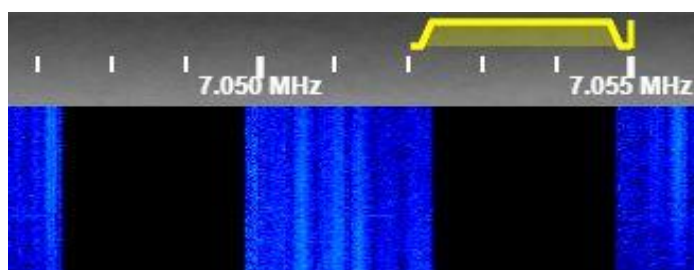
7055 kHz, 30-12, 0634 UTC, LSB

7055 kHz, 31-12, 0734 UTC, LSB

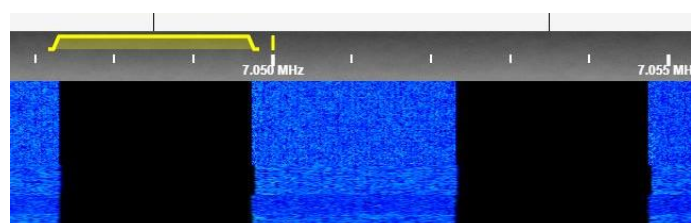
7060 kHz, 31-12, 0734 UTC, LSB

7055 kHz, 31-12, 0821 UTC, LSB

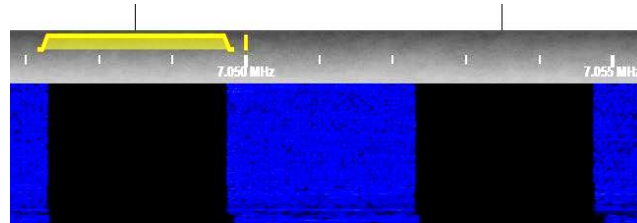
7060 kHz, 31-12, 0821 UTC, LSB



Web sdr UR5IB, Ukraine



Web SDR Tambov, Russia



Web SDR Khimki, Russia

US JCS Foxtrot Messages & Emergency Action Messages

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

Date	UTC	Callsign	Message
01-12	0751	Enormity	30 chr EAM OR6GGT EVEJDCWHK647RE7NLKCZPB32
01-12	1624	Enormity	30 chr EAM ORCJYW MCWP4OACNGMZ57T6GAGIAJ2L
01-12	1630	Enormity	30 chr EAM ORCJYW MCWP4OACNGMZ57T6GAGIAJ2L
01-12	2218	Enormity	30 chr EAM ORV3IF 2Q7WCJREHPM2XAVT6RJVPUN
01-12	2221	Enormity	30 chr EAM ORZ2MU YYHELLWSTYBHWOSOFHTP3F6I
01-12	2223	Enormity	30 chr EAM ORCJYW MCWP4OACNGMZ57T6GAGIAJ2L
01-12	2232	Enormity	30 chr EAM ORY34T QZ2HAXVQ2MH2XADGNOKUCA2L
02-12	1434	Rareness	30 chr EAM ORPU6M RXQRWFEP3W7RYBFJKQWFKDGJ
02-12	1437	Rareness	30 chr EAM ORJP5K YFCV46T7W2QGB3DLBGJFDGWY
02-12	1448	Rareness	30 chr EAM ORGMSU 4APFMPZYTYOFVDGNTZIHZVBA
02-12	1600	Rareness	37 chr EAM BOSA6W 72YU2YRF6DNHUBQSRKQL2SCSJEBEX2J
02-12	1603	Rareness	37 chr EAM BOSA6W 72YU2YRF6DNHUBQSRKQL2SCSJEBEX2J
02-12	1610	Rareness	47 chr EAM BONZIB IBPGF2NXNVRBOHUMWVLTUOJFQFIJMEIAJINZAPI75WK
02-12	1618	Rareness	30 chr EAM for Cascade Falls NOWE7P ZCOEHZDW5GFWTTP4X4U4GYSO
02-12	1651	Rareness	37 chr EAM BOFAVA EWEGGFAIYAP56HDR45ILWIN66II5QHB
02-12	1916	Rareness	37 chr EAM ORV4BB PX632GGPY6APQ74HIAR7IZ2
02-12	2117	Rareness	37 chr EAM ORLJA4 ICJBUNJD6SZY2SSUCMWDKSON
02-12	2205	Rareness	37 chr EAM ORPVXE ODVAVRFSRDYJH4XW4E5I2OUJ
02-12	2213	Rareness	37 chr EAM OR3ZUV JIUSS3FJL6ASHPY77TT6UZCW
03-12	1549	Awareness	36 chr EAM BOTK5Y UTJBXSYCTLIUKVI7FTJXIEAGCNY2Z4
03-12	1610	Awareness	30 chr EAM ORZP2F FZGQ7LF6R4WAVJ22KRN6Q4SF
03-12	1617	Awareness	30 chr EAM for Diagnostic BOHHGB LOZXYRRCUPKXKZQPKAHDIXW
03-12	1650	Awareness	30 chr EAM ORZP2F FZGQ7LF6R4WAVJ22KRN6Q4SF
03-12	1818	Awareness	30 chr EAM for ???-13 BOZVGF XJRAO3UGCFFMZPNSG2DNL6EZ
04-12	1629	Hardwood	37 chr EAM BO7C3C ORWYHNM2MK52DTNATJCZJCTWUQ47CTB
04-12	1633	Hardwood	30 chr EAM BOZINO DOQ3CWXI26NL7ZA2XH6AYNIL
04-12	1714	Hardwood	30 chr EAM ORS5OA QCF6PS36SNG644ZSEVEW76QG
04-12	1833	Hardwood	30 chr EAM OR7XEX XOII6VDVX62PWMEBV4CN7RY4
04-12	2033	Hardwood	30 chr EAM OR2SAG PZI64HOGBJJ4XROCWLM2C7OL
04-12	2236	Hardwood	30 chr EAM OR6PET LWVVRX52WT4ADCAEBLCU7AN
05-12	0033	Newscast	30 chr EAM OR3R4W E4N4O6HVPPDSPYHHIO7UYEST
06-12	0700	Sceptical	30 chr EAM ORJZEJ 2FWIYZ73EWD43CWLXKZ4NXOW
06-12	0719	Sceptical	30 chr EAM ORYU6W EXNU2YQ3EL6BRXSZGVZTDQPF
06-12	0721	Sceptical	30 chr EAM ORGHEV GAONEHTYOWNJPYXCZJMOD6JQ
06-12	1437	Sceptical	30 chr EAM ORH2XM 42DRFTGPEQSB5F3HBMXS7BHL
07-12	0720	Back Bite	30 chr EAM ORFAVL ERGQJAXYZXTIXAFM2GKWFM2T
07-12	0725	Back Bite	30 chr EAM ORDGN4 EJ6P7EUVQNC2GUZUIFUSKZXQ
07-12	0729	Back Bite	30 chr EAM ORBT64 4BVX7BAVWXTSZHMER2RUT5BI
07-12	1440	Back Bite	30 chr EAM ORRRNX ETACJTCKW27BDNTHN5W4TB32
07-12	1444	Back Bite	30 chr EAM ORRRNX ETACJTCKW27BDNTHN5W4TB32
07-12	1633	Back Bite	30 chr EAM ORQCYU USILROMDQ6DEMG566XFDW7AU
07-12	1635	Back Bite	30 chr EAM ORIUC2 F3ESBTPGWN2FGSMN22BNXF42
07-12	1637	Back Bite	30 chr EAM ORWM66 RX7KPOPEGDOUX47AFRZAKLQT
07-12	1817	Back Bite	30 chr EAM ORUEJI DW7CFITCALGVMLEL5FMWI7XJ
07-12	1844	Back Bite	30 chr EAM for Built BOQAPU TXYIMKXW43P5BTSFGMYWSW2P
07-12	1907	Back Bite	30 chr EAM for Built BO7GV4 FQRJYY7NAHKW7BM2P7HNGMGV

07-12	2234	Back Bite	30 chr EAM for Built BO3EQ2 FJPIA75R5EORA7IQYS7LZLAY
07-12	2251	Back Bite	30 chr EAM for Built BO5HKD G6NMTJMS6COSPZ2PVB17EMUI
08-12	0314	Rest Area	30 chr EAM for Lana BO7Y3G S6LSVQ4UHKT7HH4SQLDMCWCG
08-12	1603	Rest Area	30 chr EAM for Nylon BOT24O 66MTCNO5RLRHE4J7EALXG6QF
08-12	1618	Rest Area	30 chr EAM for Nylon BOJFVO BDZSJS5GMEOTS2JA3WII42ED
08-12	1633	Rest Area	30 chr EAM for Nylon BOOGUE 32RBK3BMXC6TIU3LSNJA66PS
08-12	1643	Rest Area	30 chr EAM for Lana BOBL6Y 4VQ3BFTPSBJSJKUZH4OBEWM
08-12	1652	Rest Area	30 chr EAM OR4IP4 ELDRUFTT7NRHZHMJVLIOCFA
08-12	1657	Rest Area	30 chr EAM for Lana BOC2EG H2KAW3DNW5VJZ7ZSB36VZ43Z
08-12	1732	Rest Area	30 chr EAM ORJVV6 VL4UHPHZDVK47RRCUI2GFUB7
08-12	1903	Rest Area	30 chr EAM for Nylon BOAICT KN3W5PTEKL6DCENSEY6JHJT7
08-12	1917	Rest Area	30 chr EAM for Nylon BO4N6V ZCZDGBHLAARVXDVDXNQOMHY5
08-12	1948	Rest Area	30 chr EAM for Elkie-43 BO45NI GKPJ75UHT72L2DOZ32W7N65B
08-12	2221	Rest Area	30 chr EAM for Lana BOSQC3 EL5T5NXQKEPKYAELQQVOFQRE
08-12	2242	Rest Area	30 chr EAM for Lana BOJ6VC F5BAXCTYYWIAUZD7EGBMYAJW
09-12	0207	Frog Pond	30 chr EAM ORPYJD JYFE7XOMSI3WORZ56QEIG2VY
09-12	0337	Frog Pond	30 chr EAM ORSJAV 2VOXHHW26SASPAOVP22ZGNSI
09-12	0920	Frog Pond	38 chr EAM EOSF6E UZRNMIGHWIEBLTG7KZLKTZIC3RJHBFY
09-12	1629	Frog Pond	30 chr EAM ORYRA7 S7LH2JTJH24F6YLUYKLIW5TR
09-12	1632	Frog Pond	30 chr EAM ORZRVW SH4JMLJPSPTERBRJQ4BDKWYO
09-12	1835	Frog Pond	30 chr EAM for Apron BOSH75 4CF77ZNU33K4JQKMBAWLCK4M
09-12	2041	Frog Pond	30 chr EAM for Apron BOYBKW DBXH6KL5QGECKR4K45OG3GA3
09-12	2047	Frog Pond	30 chr EAM ORAWGF 2SVBAAGRV6P2MN43Q4JPXCKQ
09-12	2056	Frog Pond	30 chr EAM for ??? BOAL4Y EMDGWI2LVW6UACCYWPZ25FW6
10-12	0615	Card Suit	30 chr EAM ORS46G MHNZWYICIMYAWVYIMCURVZLI
10-12	1818	Card Suit	30 chr EAM for Task-55 BOATX2 Q6ITHZYNBX35QYHF567EEGR3
10-12	1847	Card Suit	30 chr EAM ORACP4 P3442RPRJZSLBDNKBBSIUW75
11-12	1735	Archer Board	30 chr EAM for Log BOILGH 7D77KVNCDJ73DOJZSEYYS7I
11-12	1833	Archer Board	37 chr EAM BODH6R OTYAVXQE47C7IZEDYZN3RFW57H5P3U
11-12	1917	Archer Board	30 chr EAM for Log BOUIOL P3BS6VYRQ2RXTFMRSUOLDDFV
11-12	1933	Archer Board	30 chr EAM for Log BOUCY5 3NZ5TWSOAMWN6EI4ZZW3W2PY
11-12	2033	Archer Board	30 chr EAM OR6SEF KS33YMHANAPOGI3OEEQYAZ4O
11-12	2054	Archer Board	37 chr EAM BOMTQS ARRTI35NNU3RW4JRSYEXBSB3V3OFDKA
11-12	2105	Archer Board	30 chr EAM BOVS7C JBAGVVLEQD62DAY6ADUWKMKMQ
11-12	2128	Archer Board	37 chr EAM BO2SSY KCGQF763OFMDOIUIW7J663KDJO2Y47Q
11-12	2135	Archer Board	30 chr EAM ORKJL OY2AVAVGR3GCQ25SKJ2IQCJZ
11-12	2142	Archer Board	37 chr EAM BOCZXR FI62EVRGLAWJ7VEYKGZEG6NJYMYOY37
11-12	2148	Archer Board	30 chr EAM BOCZXR FI62EVRGLAWJ7VEYKGZEG6NJYMYOY37
12-12	0026	Humphrey	30 chr EAM ORXAN2 6XOEWPJ6AO2BEBHCX6EXPGOD
12-12	0029	Humphrey	30 chr EAM 6GA54S R6VHHGT5WPAKLLF465O32PPY
12-12	0040	Humphrey	30 chr EAM 6G7NK4 LH7E2LLSS5JFPEL72PIJ5I4V
12-12	0234	Humphrey	30 chr EAM ORRQYA QHKQEBRA3LV73IAZYXNKSIZ2
12-12	0755	Humphrey	43 chr EAM 6GGZT3 KPQICODMVTOSKZ7K27FVTRBKLZLA4YXRZOBKJ
12-12	0803	Humphrey	30 chr EAM 6GMHRV 5GZY776PRJURCRY2W2CU7SDM
12-12	0902	Humphrey	30 chr EAM ORDJGU PKQWBTADU2AUOEAM2N5GXC4
12-12	1755	Humphrey	30 chr EAM 6GUVWJ X5YHJXXBNZCEI5BFDQYNPWN
12-12	1805	Humphrey	66 chr EAM 6G5QNV DH4L5XSAR2FDN2VXU24VXUICXSEJ5TTKFGK2XSEU5KEAXB2XSEB56YTT3VZ
12-12	1814	Humphrey	66 chr EAM 6G5QNV DH4L5XSAR2FDN2VXU24VXUICXSEJ5TTKFGK2XSEU5KEAXB2XSEB56YTT3VZ
12-12	1819	Humphrey	66 chr EAM 6G5QNV DH4L5XSAR2FDN2VXU24VXUICXSEJ5TTKFGK2XSEU5KEAXB2XSEB56YTT3VZ

12-12	2348	Humphrey	220 chr EAM E04TAX WZVKISIX2OZKJE4K64IHYASS55ZALN6OXWRN5SR6VF6TP5PPGCGJPDDDDUROIBZ6DBY2Q6WF7WTRHY55OOOG4N33IEXRDXSDYXXXXM273VGHDEE4NLMM3XB7777G6IPO4KAOOPR2KK42K33336QWNZELIILNE4ZZAUYYQQQYIMG2DSI6O6QYTKITJHDVAQAYUTSSQSY34AAAARCUBLOZID
13-12	0010	Black Ant	220 chr EAM E04TAX WZVKISIX2OZKJE4K64IHYASS55ZALN6OXWRN5SR6VF6TP5PPGCGJPDDDDUROIBZ6DBY2Q6WF7WTRHY55OOOG4N33IEXRDXSDYXXXXM273VGHDEE4NLMM3XB7777G6IPO4KAOOPR2KK42K33336QWNZELIILNE4ZZAUYYQQQYIMG2DSI6O6QYTKITJHDVAQAYUTSSQSY34AAAARCUBLOZID
13-12	0713	Black Ant	36 chr EAM 6GTVVM OE2AI6XGRGUDMRZV6VJI4HXP6NHTMT
13-12	0717	Black Ant	36 chr EAM 6GTVVM OE2AI6XGRGUDMRZV6VJI4HXP6NHTMT
13-12	0747	Black Ant	47 chr EAM 6G5ZZG M6OP3RSLBLFMSNH5L5NH5R5NH57TSVHL4LQIPKXD
13-12	0754	Black Ant	37 chr EAM 6GIXRB LDU35VYDG534DMFDNHYLAPL23EQLQOH
13-12	1110	Black Ant	30 chr EAM for Puppet 6G6UPU ETA2UTGUXDOWO6UJA5KVXQGA
13-12	1123	Black Ant	30 chr EAM for Puppet 6G2GSN 7NXQLTK3NP44BJDP43YNNEU4
13-12	1136	Black Ant	30 chr EAM for Puppet 6GTA6U WSZZIR4YWTLG7LZGNZ7BNBRX
13-12	1405	Black Ant	30 chr EAM 6GBTEM XPV36VX4XRIGWSZRKWE5YXIX
13-12	1420	Black Ant	30 chr EAM 6GUWVJ M2MYVG6NI2BHP4ARP2SJPFTW
13-12	1423	Black Ant	30 chr EAM OR5UN2 E4AFZ6DHMIJ7QRXS4B3Q2AXO
13-12	1428	Black Ant	30 chr EAM ORWSN5 SJ6LQREJ6XWT75FH24TJCFA3
13-12	2103	Black Ant	30 chr EAM OR2UN4 KE52HIUETP7UYI6SU7O5CSV7
14-12	0716	Push Card	30 chr EAM ORGIJA IPSK3GGMKDQLC5OGBMDFIYHX
14-12	1422	Push Card	30 chr EAM ORWGTN XKAGPHLTLW63KGPUPSNBALQ6
14-12	1432	Push Card	30 chr EAM OR43GY FHT4347BWKBSK4B66RTL2J
14-12	1435	Push Card	30 chr EAM OR43GY FHT4347BWKBSK4B66RTL2J
14-12	1438	Push Card	30 chr EAM ORWGTN XKAGPHLTLW63KGPUPSNBALQ6
14-12	2107	Push Card	54 chr EAM 6GVXY3 CIOAZEZDI6VUDDLGMGXLMGNLV64BXFQHRQG4VH43XNQWW7F
14-12	2212	Push Card	37 chr EAM 6GZYE4 T5AE4Q256TCPU5YVWKDM63SU5WRPDI3
15-12	0432	Man Groom	30 chr EAM OR4B4S LZ4VFGAUYKZWQJ5DADKBTC3X
15-12	0503	Man Groom	36 chr EAM 6GCRTK W3L246VQTDZKPH36ZXEXHNIUW7ACC
15-12	0538	Man Groom	30 chr EAM OR5EQE QURZIIVI26SME2A77AQBJSK
16-12	0700	Nightfall	30 chr EAM ORBV5A MDEM2MXAOHZG7UWUNTJFCXTN
16-12	0705	Nightfall	30 chr EAM ORMYB2 IAUBHZCSIXAEZOQS526OTLJW
16-12	0711	Nightfall	30 chr EAM ORGKR4 H3ORWLVRUDDWW754WTFMZ7YO
16-12	1547	Nightfall	30 chr EAM 6GYK66 C6EZ3S5JK5PJOKQD3O6GDVKZ
16-12	1553	Nightfall	30 chr EAM 6GMDYX JLIQPCUKCC6FEYJXM7WRDJVQ
16-12	1613	Nightfall	30 chr EAM ORD46O 5LPIMRTXRKANCHON3GBMRA4T
16-12	1645	Nightfall	30 chr EAM ORJ75V J75DDDB42YLZ3DPHGBQGYKAV
16-12	2148	Nightfall	30 chr EAM ORZ4YF R4WKXFZBDZDY4Q3LVCZGSQTU
16-12	2207	Nightfall	30 chr EAM ORKDIO F24BSCK6ZXW27UDZV27B5VIN
16-12	2210	Nightfall	30 chr EAM ORXDW7 HHCOHSQQYBUN7FX6FPW7GUCA
16-12	2252	Nightfall	30 chr EAM ORYK4M RJ3QXT6G6637BHATZUDBGELK
16-12	2310	Nightfall	30 chr EAM ORHH5E JH2WSWGFGU3TPY4CFKVNIK42
17-12	0004	Rose Bowl	30 chr EAM ORHH5E JH2WSWGFGU3TPY4CFKVNIK42
17-12	0006	Rose Bowl	30 chr EAM ORXDW7 HHCOHSQQYBUN7FX6FPW7GUCA
17-12	1136	Rose Bowl	30 chr EAM DSZKXH 3ZSENFAP5SSQSADOQZSNGIM7
17-12	1405	Rose Bowl	30 chr EAM DSKZX6 2TWS26S27I2MW7YIYZZXREAP
17-12	1421	Rose Bowl	30 chr EAM DS5OX5 SRARVILUYQV4BISZU2THNVQG
17-12	1427	Rose Bowl	30 chr EAM DSETKA BDGSK2ZZ4VRCRVA4WQZJN3EQ
17-12	1822	Rose Bowl	30 chr EAM for Burren-97 6GGHVV MVA2V4WY4PR7ED3GB7LLDOBR
17-12	1846	Rose Bowl	30 chr EAM DS2UBB JV45VZC3FTXI4NRYBAMAIRHB

17-12	1921	Rose Bowl	30 chr EAM DS3XCX 7BLN3E6CCAVZW55HZKAMINKL
17-12	1949	Rose Bowl	30 chr EAM DSTCAV KTINGKD45CONXLBA54Z7I3X4U
17-12	1952	Rose Bowl	30 chr EAM DSH3HI 3LLS3QBJGNRRFIHKLD2NIBUC
17-12	2003	Rose Bowl	30 chr EAM DSH3HI 3LLS3QBJGNRRFIHKLD2NIBUC
17-12	2006	Rose Bowl	30 chr EAM DSTCAV KTINGKD45CONXLBA54Z7I3X4U
17-12	2009	Rose Bowl	30 chr EAM DS3XCX 7BLN3E6CCAVZW55HZKAMINKL
17-12	2030	Rose Bowl	30 chr EAM DSH3HI 3LLS3QBJGNRRFIHKLD2NIBUC
17-12	2033	Rose Bowl	30 chr EAM DSTCAV KTINGKD45CONXLBA54Z7I3X4U
17-12	2036	Rose Bowl	30 chr EAM DS3XCX 7BLN3E6CCAVZW55HZKAMINKL
17-12	2059	Rose Bowl	30 chr EAM DSH3HI 3LLS3QBJGNRRFIHKLD2NIBUC
17-12	2102	Rose Bowl	30 chr EAM DSTCAV KTINGKD45CONXLBA54Z7I3X4U
17-12	2105	Rose Bowl	30 chr EAM DS3XCX 7BLN3E6CCAVZW55HZKAMINKL
17-12	2130	Rose Bowl	30 chr EAM DSH3HI 3LLS3QBJGNRRFIHKLD2NIBUC
17-12	2355	Rose Bowl	30 chr EAM 6GELUW 2Q77QRN63OLYKVAFMXGS7NCH
18-12	1106	Hardship	30 chr EAM for Soapstone 6GD3GN ORUYCFHDBX2SH7MUXSU2XRPI
18-12	1120	Hardship	30 chr EAM for Soapstone 6GPEMW 3TVIVZSMCFNST2V2KOTZNOW4
18-12	1135	Hardship	30 chr EAM for Soapstone 6GUCVO MVQGMskom5TH3IGP7MCREJZ2
18-12	1246	Hardship	30 chr EAM for Soapstone 6GG64K TUK7LLXJH4M6CXHEMXUOYCV
18-12	2133	Hardship	30 chr EAM DSTD6O DOQKUPH2RHG7RHT7GBAF7ZJC
19-12	0048	Territory	30 chr EAM DSCZXU WWNIUULPCG2E27WQFXLPD2RI
19-12	1248	Territory	30 chr EAM for Sapwood 6GUQBM TJLPBNV4UKDAXFNCVZYW766P
19-12	1312	Territory	30 chr EAM for Sapwood 6GUTCG PBNBFXH67YSZGGW55QH77FWM
19-12	1322	Territory	30 chr EAM for Sapwood 6GSL4V QIEEHVKLER57V5DHLQQPZNAH
19-12	1332	Territory	30 chr EAM for Sapwood 6GVUVV KFDU7JAEAJBY7CHR7FP2SIQM
19-12	1436	Territory	30 chr EAM DSSVZN KTTCUJTB5JZ46YF257HYUDA
19-12	1444	Territory	30 chr EAM DSYXSD KQIVWYJAY56RSZRD7ULX2HR
19-12	1947	Territory	30 chr EAM for ??? 6G2TPR EEZVWIUPXZTTN6K4WIEBLXNQ
19-12	1956	Territory	30 chr EAM DSX4X3 6O7APJTS2LPTXCFVW2I47LKU
19-12	2015	Territory	30 chr EAM DSTI5A SZ3T4MSPLOPGHIGZCQBIJ4WK
19-12	2017	Territory	30 chr EAM DSSM2B 7A2XAJRLPBFWIIQ2TUJRV2FA
19-12	2033	Territory	30 chr EAM DS6WJT unreadable
19-12	2036	Territory	30 chr EAM DS6YM6 unreadable
19-12	2209	Territory	30 chr EAM DS4M7T QXGVTNMWPJVZ2MBMWODNBACW
20-12	0034	New Villa	30 chr EAM DSGKO2 V5O2DSTMUVQY33RIKTSCTJF6
20-12	1017	New Villa	38 chr EAM 3DHIHA QOHMQ4TVR7LZVMYDOLSOAJ7KSUIG24W3
20-12	1541	New Villa	30 chr EAM DSYYSV XXBCQX7NHADN5RZGKY2CODNX
20-12	1554	New Villa	30 chr EAM DSLT6P FOCHWOANVOWLZ2TL66BOCEV3
20-12	1600	New Villa	30 chr EAM DSLT6P FOCHWOANVOWLZ2TL66BOCEV3
20-12	1603	New Villa	30 chr EAM DSYYSV XXBCQX7NHADN5RZGKY2CODNX
20-12	1612	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1629	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1659	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1729	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1800	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1829	New Villa	30 chr EAM DSZQ6E JVUDWPNU2MGDKM2OH3XC67J
20-12	1912	New Villa	30 chr EAM DSLSCB W3DK66Y7VLMV4TNDJBFKGZUE
20-12	2217	New Villa	30 chr EAM DSTTPY KFGFLYOYHLQLLAFBVP4DK37T
21-12	0233	Poacher	30 chr EAM DSHFRD TODD6G5YNBL6NZY5RJ5YX3FH
21-12	0433	Poacher	30 chr EAM DS2H2M 6LKFKPY3RH4O7WF5MOCJXS6K
21-12	0548	Poacher	30 chr EAM DSPJU5 QICOPNDXPCA7VONCAF4SZEPI
21-12	0552	Poacher	30 chr EAM DSDGD2 E72CJ3PKCWHDCYT7MZRL4AGO
21-12	0600	Poacher	30 chr EAM DSDGD2 E72CJ3PKCWHDCYT7MZRL4AGO
21-12	0630	Poacher	30 chr EAM DSDGD2 E72CJ3PKCWHDCYT7MZRL4AGO

21-12	0632	Poacher	30 chr EAM DSPJU5 QICOPNDXPCA7VONCAF4SZEPI
21-12	0639	Poacher	30 chr EAM DSWYEK XKEBX5MOGFJBIE63F4LOIBV3
21-12	0642	Poacher	30 chr EAM DSIXQV SQ7EUVAFFC5XBJZ4U4FK2SJO
22-12	2037	???	30 chr EAM DS5GIF XMC4G2WDETFWHNWPFPNV472SZ
23-12	2033	Motivate	30 chr EAM DSUQYV 533X3FYW4TUOKCKII22TIEK6
24-12	2333	Tree Bee	30 chr EAM DSGAGH 3WRZEELTYQZH56HQVV72QUZ
27-12	0212	Quotation	30 chr EAM DSCI7H HBIPGL22JX7AOZ5G4AZ52AHW
27-12	1453	Quotation	30 chr EAM DRSI2 UWX3LZU3DTGP773J2Y6GLXV5
27-12	1847	Quotation	30 chr EAM for Trot-58 6GF6KC SNFGEVFNEOV4HTZHHGGH4ZWK
27-12	1917	Quotation	30 chr EAM DSRCUU ZF4KSG4EHCP6CNTX52WVD6QG
27-12	2047	Quotation	30 chr EAM for Trot-58 6GDM7F IUCZB5MQLXRGVZVGZJKK6IXY
27-12	2116	Quotation	30 chr EAM DSVEQL OWUDNRXIE76VH55EBVXKDEFG
28-12	0129	Deer Party	31 chr EAM 6GWPGS ODKAIFNFBEUABNGVQQWEXONFG
28-12	0202	Deer Party	34 chr EAM 6GMOUA AEG- WGKQGHVOXN47G45I7Y4QR5SGEOX75XYHWE65EO7HD24NQ
28-12	0222	Deer Party	30 chr EAM 6G7WKA R6GNK74DAOTVN7ABALAYTMD3
28-12	1450	Deer Party	30 chr EAM DSCJ6L IKWPRJ2QUEQWH4Y7NXTNQO4G
28-12	2109	Deer Party	30 chr EAM DSKNTN JUELAXZ6KLZ6VYRPQAVRWJXQ
28-12	2112	Deer Party	30 chr EAM DSI2RO TVVQ353CO2TYTEISFB3TDZRC
28-12	2114	Deer Party	30 chr EAM DS36IS 2MANIL3HPWTUWUXO7IHJFNVP
29-12	0222	Organize	30 chr EAM DSGL6K H34RQGIT7... rest unreadable
30-12	0307	Red Handed	30 chr EAM DSTXKA GSGLSVHFI76JSRVWMQVZAC7L
30-12	0837	Red Handed	30 chr EAM DSK2HD 2PATJ3NEGYNIOFDCCVXANHE2
30-12	1609	Red Handed	30 chr EAM DSD6LI PVL6CAW7PNN7IE7QRJV7AIX6
30-12	1657	Red Handed	30 chr EAM DS4JRM VPNXVFZADMLOLVS73NP6QR7K
30-12	1751	Red Handed	54 chr EAM 6GX2NZ QKWXN33BW5A2ITGMHZ4GMHVCO2MLFUIOV4OYO22LFM3NJSXJ
31-12	0637	Space Gun	30 chr EAM DSU2UT RJ3H4AVKKBRCSLAQ3NWQMO
31-12	0929	Space Gun	120 chr EAM 3DOWWA 7QVVITYKO7SDCUTDOQX2G3RXBUX6WN33SCNBHHHH7RBSATTXTZN3JJAB3JLLL L76C6CA4C4C5644ZGGRCSSWENV7AD753SSZHTNNNNUBHE2S6ZR
31-12	1143	Space Gun	120 chr EAM 3D25ZB 7TBLBBGUE36RHNK7UD3OKIYRCIE3SGGYSGQKKKKKE7SEHHII2PFLVNSLV2222SI DDEEEFPLYJKKE7EJAAAAWHF722SCOKZ6IJU766BBBCHD4D62SU
31-12	1254	Space Gun	30 chr EAM DSMPSH 77WSP2Z3WJFPXQ63QJ253UDB
31-12	1332	Space Gun	30 chr EAM DSC542 GRKI3UGZAA4FUB6NZSPJVDWB
31-12	1817	Space Gun	30 chr EAM DSY2NY DU7RC7QLKKQNDVR57NHDWFOK
31-12	1820	Space Gun	30 chr EAM DSY2NY DU7RC7QLKKQNDVR57NHDWFOK



KG-84A/C encryption device, used by many military forces. It was developed to ensure secure transmission of digital data. The system is no longer produced.

The KG-84A and KG-84C operate in simplex, half-duplex, or full-duplex modes.

RUSSIAN MILITARY TRANSCRIPTS

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

Strategic messages

4879 kHz, 01-12, 0725 UTC	XXX ANWF 61816 GARPUN 6172 3428 K /5078 01/12/19
5078 kHz, 01-12, 0726 UTC	XXX ANWF 61816 GARPUN 6172 3428 K /4879 01/12/19
5074 kHz, 01-12, 0726 UTC	XXX M7A2 48340 CEPOSEJM 6648 9316 K 01/12/19
5405 kHz, 02-12, 1400 UTC	XXX XXX WEGI WEGI 97150 STYKODOM 0191 9271 K
4862 kHz, 02-12, 1245 UTC	XXX WEGI 85422 URONOLIK 0518 4717 K
2737 kHz, 08-12, 1623 UTC	REA4: XXX 1QRF 76621 IONOGRAN 0255 4443 K
3356.5 kHz, 08-12, 1631 UTC	XXX DMSB 20947 POLOKIT 2645 9396 K
3364 kHz, 08-12, 1632 UTC	XXX MFT5 78484 GRUZOSWET 1055 9843 K
4603 kHz, 08-12, 1646 UTC	XXX PRPN 57558 RUVEJNEW 1145 0522 K
3228.5 kHz, 08-12, 1654 UTC	XXX 6CJU 72070 KLENOMONÄ 7157 0564 K
5373 kHz, 11-12, 1157 UTC	XXX XXX ONG4 ONG4 92661 WISTOAOW 3202 5049 K
5360 kHz, 11-12, 1209 UTC	XXX XXX M7A2 M7A2 68555 95802 TYaGOGYJ 7055 3945 K
5385 kHz, 11-12, 1227 UTC	XXX XXX WEGI WEGI 22563 SYNOHRYCh 5795 7841 K
5373 kHz, 11-12, 1236 UTC	XXX XXX ONG4 ONG4 65175 BOBOBASh 4260 8768 K
7314 kHz, 11-12, 0826 UTC	XXX XXX 1QRF 1QRF 25825 SEJFOT/AT/A 8320 2678 K

Monolith Stations

S30 Pip – Southern District

5448 kHz, 02-12, 1252 UTC	8S1Shch 86371 ZhOHOPAK 4318 5447
3756 kHz, 02-12, 1405 UTC	8S1Shch 09870 KRAYeVYeD 5699 1816
3756 kHz, 02-12, 1526 UTC	8S1Shch 27340 VOYeVODSKIJ 6392 3755
3756 kHz, 02-12, 1552 UTC	L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ
5448 kHz, 11-12, 1158 UTC	8S1Shch 93346 62251 47068 DYMOBUFF 7055 6119 DURNOJ
	7055 1362 VKUSOMAI5 7055 9482
5448 kHz, 11-12, 1215 UTC	8S1Shch 10950 INTYeRYeSNYJ 7896 1991
5448 kHz, 11-12, 1335 UTC	8S1Shch 02037 ZVONOBOKS 6079 4201
5448 kHz, 11-12, 1337 UTC	8S1Shch 77175 BONNOTRAL 8171 7450
3756 kHz, 11-12, 1510 UTC	27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI 79AJ ShchT3O CIHS
3756 kHz, 11-12, 1717 UTC	Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch
5448 kHz, 18-12, 1210 UTC	5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye
3756 kHz, 31-12, 1650 UTC	Dlya: 37TSN, MUDR, 7VNShCh, ZH7N?, YMA5, VTKhZ, AGDT, 'U1B, OSOG, BO6TS.
	Kak slyshno? Priyom.

S32 Squeaky Wheel – Southern District

5473 kHz, 02-12, 1257 UTC	Al'fa-45 82472 LOMBARDNYJ 2216 2518
3828 kHz, 02-12, 1412 UTC	Al'fa-45 43615 KRYePOPLAC 0701 4452
3828 kHz, 02-12, 1534 UTC	Al'fa-45 19475 NYeRAZYeMNYJ 5063 8603
5473 kHz, 11-12, 1221 UTC	Al'fa-45 97792 BYeRDANKA 5151 6867
5473 kHz, 11-12, 1311 UTC	Al'fa-45 26148 KRATOChUM 8668 5481

Vega-33 / N'ZhJ – Southern District

5372 kHz, 02-12, 1312 UTC	N'ZhJ 96523 NYeVYeOTA 3654 5503
5372 kHz, 02-12, 1318 UTC	N'ZhJ 96523 NYeVYeSTA 3654 5503
5372 kHz, 11-12, 1154 UTC	N'ZhJ 43326 LITYeJShchIK 6305 6191
5372 kHz, 11-12, 1156 UTC	N'ZhJ 28603 BORTOTAT' 9456 3705
5372 kHz, 11-12, 1235 UTC	N'ZhJ 30027 KYZYL 7453 8345
5372 kHz, 11-12, 1329 UTC	N'ZhJ 19543 KORYuShKA 1267 8712

Baron-78 – Southern District

I feel that Baron-78 takes over the place of Vega-33 (N'ZhJ) in the Pip/Wheel network once they have changed to night frequencies as I'm yet to come across Baron-78 prior to freq switch or Vega-33 post-switch;

3850 kHz, 02-12, 1416 UTC Baron-78 80944 RYeZAN 7226 0440
3850 kHz, 02-12, 1536 UTC Baron-78 48289 BOChYeChNYJ 4983 0752

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

4376.5 kHz, 01-12, 0514 UTC. RAS92 wkg RJD99. QSX 3692.5 kHz

QTC SML 786 13 1 0802 786 = FOR RJD99 =

00883 01160 06602 04017 00032 00010 02122 00300 00007 00002 00010 01011 = AR RAS82 K

4376.5 kHz, 01-12, 0516 UTC. RAS92 wkg RJD99. QSX 3692.5 kHz

QTC SML 502 17 1 0729 502 = FOR RJD90 RJH74 =

01001 99654 10396 41/92 93508 11030 49860 52000 77424 89/// 22282 00000 20303 88000 01014 = AR RAS82

4376.5 kHz, 01-12, 0520 UTC. RMX59 wkg RJD99. QSX 3692.5 kHz

QTC SML 978 14 1 0814 978 = FOR RJD99 =

00883 01160 65279 39272 00184 00009 02122 00300 00010 00002 00005 00800 01012 = AR RMX59 K

4376.5 kHz, 01-12, 0557 UT. RAS92 wkg RJD99. QSX 3692.5 kHz

QTC SML 978 17 1 0730 978 = FOR RJD90 RJH74 =

01031 99658 10400 41/92 93408 11020 49870 52010 77577 89/// 22212 00000 20202 88000 01014 = AR RAS82 K

Location: 65,8N 40,0E

4376.5 kHz, 01-12, 0631 UTC. RBC89 wkg RJD99. QSX 3692.5 kHz

QTC SML 01031 99686 10447 41/98 2110 10000 49840 57010 70022 8/// 22262 00010 20202 88000 01014 = AR RBC89 K

Location: 68,6N 44,7E

4376.5 kHz, 01-12, 0721 UTC. RMLZ wkg RJD99. QSX 3692.5 kHz

QTC SML 176 16 1 0901 117 + FOR RJH74 RJH45 RJD90 =

01061 99662 10368 41597 72703 11090 49889 52010 70222 8/// 22200 00040 01012 = AR RMLZ K

Location: 66,2N 36,8E

4635 kHz, 02-12, 1307 UTC. RBE99 wkg RJD99

QTC SML FOR RJD99 =

00883 01160 06739 04624 00050 00008 02122 00180 00014 00004 00208 02011 = AR RBE99 K

4635 kHz, 02-12, 1329 UTC. RBE99 wkg RJD99

QTC SML FOR RJD99 = RBE99 876 9 2 1625 876 = FOR RJD99 =

00883 02481 06836 04349 00400 00312 02006 = AR RBE99 K

4635 kHz, 02-12, 1333 UTC. RAS82 wkg RJD99

QTC SML 612 10 2 1600 612 = FOR RJD99 =

00883 02517 06836 04350 00160 00014 00003 00003 02008 = AR RAS82 K

4635 kHz, 02-12, 1343 UTC. RAS82 wkg RJD99

QTC SML 756 17 2 1558 756 = FOR RJD90 RJH74 =

02091 99688 10423 41397 81717 11030 49820 57012 77377 883// 22231 01010 20404 88000 02014 = AR RAS82 K

4635 kHz, 02-12, 1346 UTC. RAS82 wkg RJD99

QTC SML 479 17 2 1559 479 = FOR RJD90 RJH74 =

02121 99686 10438 41/98 91316 11030 49830 52010 70222 89/// 22232 01010 20404 88000 02014 = AR RAS82 K

6346 kHz, 08-12, 1000 UTC

RLO RLO DE RIT RIT RIT QTC 147 34 8 1257 147 =

RADIOPROGNOZ 08129 63003 40000 00001 01218 40011 00002 01218 40012 00005 01218 60016 00006 01218 60015 00102
01218 40012 00001 01824 30010 00002 01824 30011 00005 01824 50015 00006 01824 50014 00102 01824 30011 = (repeated)
AR

3875 kHz, 18-12, 1558 UTC

RIW RIW DE RJD99 RJ99 RJD99 QTC 455 74 18 1649 455 =

PROGNOZ POGODY S 19 ChAS 18 DEKABRYa DO 19 ChAS 19 DEKABRYa RAJONY 65 69 70 WETER YuGO WOSTOChNYJ 5/60 M/S
PERWOJ POLOWINE 65 69 RAJONAH 7/12 M/S WOLNENIE 2/3 PERWOJ POLOWINE 3 B 70 RAJONE LED ChISTOJ WODE 2/3 B
OBLACHNOST' 6/9 B 300/600M MESTAMI SNEG WIDIMOST' 4/10 KM SNEG E 2/4 KM TEMPERATURA MINUS 1/6 PRIBREZhNYH
RAJONAH MINUS 7/12 GRAD RLN NORMAL'NAYa K

M32b - Russian Naval Aviation (Aviatsiya Voenno-morskogo Flota Rossii)**8816 kHz, 06-12, 0650 UTC**

RJF94 RJC38 DE 30681 QQM XLAA 0650 SK

8816 kHz, 06-12, 0808 UTC

RJC38 RJF94 DE 08126 QTO 0800 QRD XLMD XRKE QRE 1400 QBD 0900 K
QTH 15047 14037 QTR 0910 QBG 6700 QBD 0800 K
QTH 15414 13854 QTR 1009 QBG 6700 QBD 0700 K
QTH 15841 13801 QTR 1107 QBG 7300 QBD 0600 K
QTH 16258 13556 QTR 1208 QBG 7300 QBD 0500 K
QTH 16456 13429 QTR 1236 QBG 7300 QRE XLMD 1340 K
QQM XLMD 1345 SK

8816 kHz, 06-12, 1220 UTC

RJF94 RJC38 DE 30681 QTO 1206 QRD XLMD XLAA QRE 1345 QBD 0440 K
QTH 16717 13639 QTR 1306 QBG 5500 K
QQM XLMD 1333 SK

8816 kHz, 06-12, 1415 UTC

RJF94 RJC38 DE 45941 QTO 1410 QRD XLMD XLLV QBD 0430 QRE 1600 K
QTH 16358 13353 QTR 1500 QBG 8850 QRE XLMD 1555 K
QQM XLMD 1558 SK

8816 kHz, 12-12, 0910 UTC

RJF94 RJC38 DE 75019 QTO 0900 QRD XLMD XLAA QBD 0700 QRE 1040 K

8816 kHz, 12-12, 1011 UTC

RJF94 RJC38 DE 75035 QTO 1003 QRD XLMD XUMU QBD 0930 QRE 1310 K
QAY XLPB 1122 QBD 0730 QBG 8570 K
QQL ULPE 1158 QBD 0700 K
QQM XLMD 1256 SK

8816 kHz, 12-12, 1018 UTC

RJC38 RJF94 DE 08126 QTO 1005 QRD XUMO XLMD QRE 1310 QBD 0630 K
QTH 16518 13416 QTR 1105 QBF 3900 K
QTH 16117 13700 QTR 1202 QBG 3900 K
QRE XUMO 1330 K
QTH 15631 13728 QTR 1309 QBD 0230 K
QQM XUMO 1328 SK

8816 kHz, 16-12, 0710 UTC

RJF94 RJC38 DE 08126 QTO 0700 QRD XWON XRKE QRE 0940 QBD 0500 K
QQL XRWW 0803 QBD 7600 K
QTH 15225 14933 QTR 0901 QBF 7600 K
QQM XWON 0950 SK

8816 kHz, 16-12, 0732 UTC

RJF94 RJC38 DE 30678 QTH 16148 13641 QTR 0730 QBD 0230 K
 QTH 15850 13751 QTR 0830 QBG 5800 QRE XUMO 0900 K
 QQM XUMO 0937 SK

8816 kHz, 16-12, 1104 UTC

RJF94 RJC38 DE 30678 QTO 1035 QRD XLAA XUMO QBD 0450 QRE 1305 K
 QTH 16046 13839 QTR 1205 QBG 5500 QRE XLAA 1305 K
 QQM XLAA 1309 SK

8816 kHz, 16-12, 1422 UTC

RJF94 RJC38 DE 30678 QTO 1410 QRD XLMD XLAA QBD 0450 QRE 1610 K

8816 kHz, 16-12, 1512 UTC

RJF94 RJC38 DE 08126 QTO 1500 QRD XLWF XWON QRE 1800 QBD 0730 K
 QTH 15355 14929 QTR 1600 QBG 6700 K

8816 kHz, 30-12, 0624 UTC

RJF94 RJC38 DE 08126 QTH 16456 13429 QTR 0616 QBG 7000 K
 QQM XLWF 0723 SK

8816 kHz, 30-12, 0937 UTC

RJF94 RJC38 DE 08126 QTO 0933 QRD XLMD XLWF QRE 1205 QBD 0730 K
 QTH 16227 13615 QTR 1035 QBG 6700 K
 QTH 16657 13308 QTR 1135 QBG 6700 K
 QQM XLMD 1212 SK

M32c - Russian Air Force (Voyenno-vozdushnye sily Rossii)
4179 kHz, 26-12

1442 UTC	REA4 i.p. 1897 60504 11082 21086 70222 86031 = REA4 K
1740 UTC	REA4 REA4 = 26160 99900 25150 20069 98194 81203 10020 20017 71022 886 // 886 // = REA4 IIIII 866 // 902 // = REA4 K
1840 UTC	REA4 REA4 = 26170 99900 25150 22212 90497 81002 11068 21082 70222 885 // 911 // REA4 K
1940 UTC	REA4 REA4 = 26180 99900 25150 22212 90497 81002 11068 21082 70232 885 // 911 // = REA4 K
2040 UTC	REA4 REA4 = 26190 99900 25160 27627 80897 60403 11087 21116 70228 86036 // = REA4 K
2140 UTC	REA4 REA4 = 26200 99900 25160 27627 80897 60403 11088 21116 70222 8603 // = REA4 K



Russian R399A receiver

LOGS SECTION

Code	Freq	Date	UTC	Day	Veld0	mode	ctrb
---	4545	1-12	0942	Sun	North Korean military i.p. VVV 5SE DE NIN QRU 8652 8652 SK SK T T	CW	(JPL-J)
---	5372	2-12	1312	Mon	N'ZhJ 96523 NYeVYeOTA 3654 5503	USB	(Gwr)
---	5372	2-12	1318	Mon	N'ZhJ 96523 NYeVYeSTA 3654 5503	USB	(Gwr)
---	3850	2-12	1416	Mon	Baron-78 80944 RYeZAN 7226 0440	USB	(Gwr)
---	3850	2-12	1536	Mon	Baron-78 48289 BOChYeChNYJ 4983 0752	USB	(Gwr)
---	7055	4-12	1008	Wed	Russian-Ukrainian propaganda war	LSB	(AB)
---	4947	11-12	0745	Wed	North Korean military i.p. VVV 8LI 8LI 8LI DE JS9 JS9 QRU 7667 7667 VA VA T T	CW	(JPL-J)
---	5372	11-12	1154	Wed	N'ZhJ 43326 LITYeJShchIK 6305 6191	USB	(Gwr)
---	5372	11-12	1156	Wed	N'ZhJ 28603 BORTOTAT' 9456 3705	USB	(Gwr)
---	5372	11-12	1235	Wed	N'ZhJ 30027 KYZYL 7453 8345	USB	(Gwr)
---	5372	11-12	1329	Wed	N'ZhJ 19543 KORYuShKA 1267 8712	USB	(Gwr)
---	7055	19-12	0818	Thu	Russian-Ukrainian propaganda war	LSB	(AB)
---	7050	26-12	0823	Thu	Russian-Ukrainian propaganda war	LSB	(AB)
---	7055	26-12	0823	Thu	Russian-Ukrainian propaganda war	LSB	(AB)
---	7055	27-12	1551	Fri	Russian-Ukrainian propaganda war	LSB	(AB)
---	7055	30-12	0634	Mon	Russian-Ukrainian propaganda war	LSB	(AB)
---	7055	31-12	0734	Tue	Russian-Ukrainian propaganda war	LSB	(AB)
---	7060	31-12	0734	Tue	Russian-Ukrainian propaganda war	LSB	(AB)
---	7055	31-12	0821	Tue	Russian-Ukrainian propaganda war	LSB	(AB)
---	7060	31-12	0821	Tue	Russian-Ukrainian propaganda war	LSB	(AB)
DPRK	12104	3-12	0835	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	4-12	1305	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12104	5-12	0834	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	13-12	1310	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	18-12	1259	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	14575	5-12	0600	Thu	923 167 50 06956 37627 12379 ... 83645 64698 45420 167 50 00000	USB	(AB-RUS)
E06	17420	5-12	0700	Thu	923 167 50 06956 37627 12379 ... 83645 64698 45420 167 50 00000	USB	(AB-RUS)
E06	4836	5-12	2030	Thu	312 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000	USB	(AB)
E06	14575	6-12	0600	Fri	923 167 50 06956 37627 12379 ... 83645 64698 45420 167 50 00000	USB	(AB-POL)
E06	17420	6-12	0700	Fri	923 167 50 06956 37627 12379 ... 83645 64698 45420 167 50 00000	USB	(AB-RUS)
E06	4760	6-12	2130	Fri	472 149 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 Windows shut down sound	USB	(AB)
E06	14575	19-12	0600	Thu	923 648 51 45630 84473 48404 ... 10567 27544 48282 648 5 00000	USB	(AB-RUS)
E06	17420	19-12	0700	Thu	923 648 51 45630 84473 48404 ... 10567 27544 48282 648 5 00000	USB	(AB-RUS)
E06	4836	19-12	2030	Thu	321 991 45 12435 76426 05698 ... 12346 73416 32442 991 45 00000 Windows shut down sound	USB	(AB)
E06	14575	20-12	0600	Fri	923 648 51 45630 84473 48404 ... 10567 27544 48282 648 5 00000	USB	(AB-RUS)
E06	17420	20-12	0700	Fri	923 648 51 45630 84473 48404 ... 10567 27544 48282 648 5 00000	USB	(AB-RUS)

E06	4760	20-12	2130	Fri	472 991 45 12435 76426 05698 ... 12346 73416 32442 991 45 00000 Windows shut down sound	USB	(AB)
E07	9326	1-12	0700	Sun	345 345 345 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834 82683 10819 75920 25830 000 000	USB	(AB)
E07	10426	1-12	0720	Sun	345 345 345 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834 82683 10819 75920 25830 000 000	USB	(AB)
E07	11526	1-12	0740	Sun	345 345 345 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834 82683 10819 75920 25830 000 000	USB	(AB)
E07	6771	1-12	1800	Sun	785 785 785 000	USB	(AB/HFD)
E07	5871	1-12	1820	Sun	785 785 785 000	USB	(AB/HFD)
E07	6823	2-12	2000	Mon	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB/HFD)
E07	5823	2-12	2020	Mon	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB/HFD)
E07	5123	2-12	2040	Mon	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB/HFD)
E07	14364	3-12	0700	Tue	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB/HFD)
E07	14964	3-12	0720	Tue	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB/HFD)
E07	15964	3-12	0740	Tue	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB/HFD)
E07	11493	3-12	1100	Tue	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/HFD)
E07	10193	3-12	1120	Tue	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/HFD)
E07	8193	3-12	1140	Tue	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/HFD)
E07	6771	4-12	1800	Wed	785 785 785 000	USB	(AB/MPJ)
E07	5871	4-12	1820	Wed	785 785 785 000	USB	(AB/MPJ)
E07	6823	4-12	2000	Wed	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB)
E07	5823	4-12	2020	Wed	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB)
E07	5123	4-12	2040	Wed	881 881 881 1 862 140 862 140 72707 04413 34596 ... 79349 96140 96430 000 000	USB	(AB)
E07	10226	5-12	1410	Thu	674 674 674 000	USB	(AB/MPJ/HFD)
E07	9226	5-12	1430	Thu	674 674 674 000	USB	(AB/MPJ/HFD)
E07	14364	6-12	0700	Fri	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB)
E07	14964	6-12	0720	Fri	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB)
E07	15964	6-12	0740	Fri	399 399 399 1 9231 152 9231 152 37297 76621 18091 ... 21753 89449 40369 000 000	USB	(AB)
E07	11493	6-12	1100	Fri	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/MPJ)
E07	10193	6-12	1120	Fri	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/MPJ)
E07	8193	6-12	1140	Fri	411 411 411 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 000 000	USB	(AB/MPJ)
E07	10226	7-12	1410	sat	674 674 674 000	USB	(AB/MPJ)
E07	9226	7-12	1430	sat	674 674 674 000	USB	(AB/MPJ)
E07	9326	8-12	0700	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	10426	8-12	0720	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	11526	8-12	0740	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	6771	8-12	1800	Sun	785 785 785 000	USB	(AB)
E07	5871	8-12	1820	Sun	785 785 785 000	USB	(AB)
E07	6823	9-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	9-12	2020	Mon	881 881 881 000	USB	(AB)

E07	14364	10-12	0700	Tue	399 399 399 000	USB	(AB-FIN)
E07	14964	10-12	0720	Tue	399 399 399 000	USB	(AB-FIN)
E07	11493	10-12	1100	Tue	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	10193	10-12	1120	Tue	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	8193	10-12	1140	Tue	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	6771	11-12	1800	Wed	785 785 785 000	USB	(AB/MPJ)
E07	5871	11-12	1820	Wed	785 785 785 000	USB	(AB/MPJ)
E07	6823	11-12	2000	Wed	881 881 881 000	USB	(AB/MPJ)
E07	5823	11-12	2020	Wed	881 881 881 000	USB	(AB/MPJ)
E07	10226	12-12	1410	Thu	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB)
E07	9226	12-12	1430	Thu	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB)
E07	8126	12-12	1450	Thu	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB)
E07	14364	13-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	13-12	0720	Fri	399 399 399 000	USB	(AB)
E07	11493	13-12	1100	Fri	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	10193	13-12	1120	Fri	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	8193	13-12	1140	Fri	411 411 411 1 314 39 314 39 14549 90755 42689 ... 88684 05030 85320 000 000	USB	(AB)
E07	9143	14-12	1400	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB/FT)
E07	10226	14-12	1410	sat	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB/FT)
E07	8143	14-12	1420	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB/FT)
E07	9226	14-12	1430	sat	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB/FT)
E07	7643	14-12	1440	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	8126	14-12	1450	sat	674 674 674 1 367 23 367 23 56128 37184 40014 ... 42701 08489 38475 000 000	USB	(AB)
E07	9326	15-12	0700	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	10426	15-12	0720	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	11526	15-12	0740	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	6771	15-12	1800	Sun	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB/MPJ)
E07	5871	15-12	1834	Sun	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB/MPJ)
E07	4571	15-12	1909	Sun	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB/MPJ)
E07	6823	16-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	16-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	17-12	0700	Tue	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	14964	17-12	0720	Tue	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	15964	17-12	0740	Tue	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	11493	17-12	1100	Tue	411 411 411 000	USB	(AB)
E07	10193	17-12	1120	Tue	411 411 411 000	USB	(AB)
E07	6771	18-12	1800	Wed	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB)
E07	5871	18-12	1834	Wed	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB)
E07	4571	18-12	1909	Wed	785 785 785 1 7972 271 7972 271 76967 45606 14032 ... 90142 64768 76380 000 000	USB	(AB)
E07	6823	18-12	2000	Wed	881 881 881 000	USB	(AB)

E07	5823	18-12	2020	Wed	881 881 881 000	USB	(AB)
E07	10226	19-12	1410	Thu	674 674 674 000	USB	(AB/MPJ)
E07	9226	19-12	1430	Thu	674 674 674 000	USB	(AB/MPJ)
E07	14364	20-12	0700	Fri	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	14964	20-12	0720	Fri	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	15964	20-12	0740	Fri	399 399 399 1 316 34 316 34 55622 69341 77766 ... 35243 83009 26492 000 000	USB	(AB-KWT)
E07	11493	20-12	1100	Fri	411 411 411 000	USB	(AB)
E07	10193	20-12	1120	Fri	411 411 411 000	USB	(AB)
E07	9143	21-12	1400	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB/HFD)
E07	10226	21-12	1410	sat	674 674 674 000	USB	(AB)
E07	8143	21-12	1420	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB/HFD)
E07	9226	21-12	1430	sat	674 674 674 000	USB	(AB)
E07	7643	21-12	1440	sat	116 116 116 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB/HFD)
E07	9326	22-12	0700	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	10426	22-12	0720	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	11526	22-12	0740	Sun	345 345 345 1 795 97 795 97 47052 40021 89441 ... 40994 55532 83670 000 000	USB	(AB)
E07	6771	22-12	1800	Sun	785 1 7539 139 23886 69016 52235 ... 00825 17054 20315 000 000	USB	(MPJ)
E07	5871	22-12	1834	Sun	785 1 7539 139 23886 69016 52235 ... 00825 17054 20315 000 000	USB	(MPJ)
E07	4571	22-12	1909	Sun	785 1 7539 139 23886 69016 52235 ... 00825 17054 20315 000 000	USB	(MPJ)
E07	6823	23-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	23-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	24-12	0700	Tue	399 399 399 000	USB	(AB)
E07	14964	24-12	0720	Tue	399 399 399 000	USB	(AB-KWT)
E07	11493	24-12	1100	Tue	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB/MPJ)
E07	10193	24-12	1120	Tue	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB/MPJ)
E07	8193	24-12	1140	Tue	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB/MPJ)
E07	6823	25-12	2000	Wed	881 881 881 000	USB	(AB)
E07	5823	25-12	2020	Wed	881 881 881 000	USB	(AB)
E07	10226	26-12	1410	Thu	674 674 674 000	USB	(AB)
E07	9226	26-12	1430	Thu	674 674 674 000	USB	(AB)
E07	14364	27-12	0700	Fri	399 399 399 000	USB	(AB)
E07	14964	27-12	0720	Fri	399 399 399 000	USB	(AB-KWT)
E07	11493	27-12	1100	Fri	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB)
E07	10193	27-12	1120	Fri	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB)
E07	8193	27-12	1140	Fri	411 411 411 1 178 27 178 27 88355 17352 96844 ... 67072 90485 73467 000 000	USB	(AB)
E07	9143	28-12	1400	sat	116 116 116 000	USB	(AB)
E07	10226	28-12	1410	sat	674 674 674 000	USB	(AB)
E07	8143	28-12	1420	sat	116 116 116 000	USB	(AB)
E07	9226	28-12	1430	sat	674 674 674 000	USB	(AB)
E07	9326	29-12	0700	Sun	345 345 345 000	USB	(AB)

E07	10426	29-12	0720	Sun	345 345 345 000	USB	(AB)
E07	6771	29-12	1800	Sun	785 785 785 1 9952 121 9952 121 94932 19840 44164 ... 28347 48419 45457 000 000	USB	(AB/MPJ)
E07	5871	29-12	1820	Sun	785 785 785 1 9952 121 9952 121 94932 19840 44164 ... 28347 48419 45457 000 000	USB	(AB/MPJ)
E07	4571	29-12	1840	Sun	785 785 785 1 9952 121 9952 121 94932 19840 44164 ... 28347 48419 45457 000 000	USB	(AB/MPJ)
E07	6823	30-12	2000	Mon	881 881 881 000	USB	(AB)
E07	5823	30-12	2020	Mon	881 881 881 000	USB	(AB)
E07	14364	31-12	0700	Tue	399 399 399 000	USB	(AB-KWT)
E07	14964	31-12	0720	Tue	399 399 399 000	USB	(AB-KWT)
E07	11493	31-12	1100	Tue	411 411 411 000	USB	(AB)
E07	10193	31-12	1120	Tue	411 411 411 000	USB	(AB)
E07a	5877	4-12	2100	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB/RL)
E07a	5277	4-12	2120	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB/RL)
E07a	4577	4-12	2140	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5111	5-12	0530	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5811	5-12	0550	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	6911	5-12	0610	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5887	6-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	6-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	11121	7-12	0900	sat	124 124 124 000	USB	(AB/RL)
E07a	12221	7-12	0920	sat	124 124 124 000	USB	(AB/RL)
E07a	5877	11-12	2100	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5277	11-12	2120	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	4577	11-12	2140	Wed	825 825 825 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5111	12-12	0530	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5811	12-12	0550	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	6911	12-12	0610	Thu	189 189 189 1 39086 8746 58 8746 58 70677 60670 27008 ... 41714 54799 36850 000 000	USB	(AB)
E07a	5887	13-12	1610	Fri	830 830 830 000	USB	(AB/HFD)
E07a	5387	13-12	1630	Fri	830 830 830 000	USB	(AB/HFD)
E07a	11121	14-12	0900	sat	124 124 124 000	USB	(AB/HFD)
E07a	12221	14-12	0920	sat	124 124 124 000	USB	(AB/HFD)
E07a	5877	18-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	18-12	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	19-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	19-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	20-12	1610	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	5387	20-12	1630	Fri	830 830 830 000	USB	(AB/MPJ)
E07a	11121	21-12	0900	sat	124 124 124 000	USB	(AB)
E07a	12221	21-12	0920	sat	124 124 124 000	USB	(AB)
E07a	5877	25-12	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	25-12	2120	Wed	825 825 825 000	USB	(AB)

E07a	5111	26-12	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	26-12	0550	Thu	189 189 189 000	USB	(AB)
E07a	5887	27-12	1610	Fri	830 830 830 000	USB	(AB)
E07a	5387	27-12	1630	Fri	830 830 830 000	USB	(AB)
E07a	11121	28-12	0900	sat	124 124 124 000	USB	(AB/RL)
E07a	12221	28-12	0920	sat	124 124 124 000	USB	(AB)
E11	4505	1-12	0710	Sun	497/00	USB	(AB)
E11	4909	1-12	0805	Sun	319/00	USB	(AB)
E11	5344	1-12	1605	Sun	236/00	USB	(AB)
E11	6849	1-12	1650	Sun	924/00	USB	(AB)
E11	10487	1-12	1910	Sun	616/00	USB	(AB-POL)
E11	4909	1-12	1930	Sun	363/00	USB	(AB)
E11	11450	2-12	0640	Mon	948/00	USB	(AB-POL)
E11	7984	2-12	1045	Mon	693/00	USB	(AB)
E11	5082	2-12	1530	Mon	522/00	USB	(AB/MPJ)
E11	12924	2-12	1745	Mon	244/00	USB	(AB/MPJ)
E11	7840	3-12	0645	Tue	510/00	USB	(AB)
E11	6804	3-12	0700	Tue	573/00	USB	(AB)
E11	9130	3-12	0715	Tue	637/00	USB	(AB)
E11	14611	3-12	0820	Tue	136/00	USB	(AB)
E11	12089	3-12	0845	Tue	156/00	USB	(AB)
E11	8597	3-12	1000	Tue	305/00	USB	(AB)
E11	6433	3-12	1205	Tue	466/00	USB	(AB/MPJ)
E11	13363	3-12	1345	Tue	917/00	USB	(MPJ-POL)
E11	5344	3-12	1605	Tue	238/00	USB	(AB)
E11	10800	3-12	1645	Tue	338/00	USB	(AB/MPJ-POL)
E11	11450	4-12	0640	Wed	946/00	USB	(AB)
E11	14611	4-12	0820	Wed	135/00	USB	(AB-POL)
E11	7984	4-12	1045	Wed	692/00	USB	(AB)
E11	6433	4-12	1205	Wed	464/00	USB	(AB/MPJ)
E11	4505	4-12	1705	Wed	399/00	USB	(AB/MPJ)
E11	7840	5-12	0645	Thu	511/00	USB	(AB)
E11	12089	5-12	0845	Thu	156/00	USB	(AB)
E11	10800	5-12	1645	Thu	330/00	USB	(MPJ)
E11	5779	5-12	1730	Thu	410/00	USB	(AB/MPJ)
E11	6804	6-12	0700	Fri	574/00	USB	(AB)
E11	9130	6-12	0715	Fri	630/00	USB	(AB)
E11	5082	6-12	1530	Fri	520/00	USB	(AB/MPJ)
E11	6849	6-12	1650	Fri	920/00	USB	(AB/MPJ)
E11	10487	6-12	1910	Fri	610/00	USB	(AB/MPJ)

E11	4505	7-12	0710	sat	497/00	USB	(AB)
E11	13363	7-12	1345	sat	919/00	USB	(MPJ)
E11	4505	7-12	1705	sat	396/00	USB	(AB/MPJ)
E11	4909	7-12	1930	sat	367/00	USB	(AB/MPJ)
E11	4505	8-12	0710	Sun	492/00	USB	(AB)
E11	5344	8-12	1605	Sun	233/00	USB	(AB)
E11	6849	8-12	1650	Sun	925/00	USB	(AB)
E11	12924	8-12	1745	Sun	Too weak to copy	USB	(AB)
E11	10487	8-12	1910	Sun	611/00	USB	(AB-POL/MPJ)
E11	4909	8-12	1930	Sun	360/00	USB	(AB/MPJ)
E11	10213	9-12	0745	Mon	266/00	USB	(AB)
E11	8597	9-12	0900	Mon	536/00	USB	(AB)
E11	7984	9-12	1045	Mon	693/00	USB	(AB)
E11	5082	9-12	1530	Mon	524/00	USB	(AB)
E11	12924	9-12	1745	Mon	244/00	USB	(AB-POL)
E11	6849	9-12	1900	Mon	647/00	USB	(AB/MPJ)
E11	9130	10-12	0715	Tue	636/00	USB	(AB)
E11	14611	10-12	0820	Tue	133/00	USB	(AB-POL)
E11	6433	10-12	1205	Tue	462/00	USB	(AB)
E11	5344	10-12	1605	Tue	233/00	USB	(AB)
E11	17378	11-12	0745	Wed	343/00	USB	(AB-POL)
E11	14611	11-12	0820	Wed	136/00	USB	(AB-POL)
E11	8597	11-12	0900	Wed	535/00	USB	(AB)
E11	7469	11-12	0930	Wed	279/00	USB	(AB)
E11	7984	11-12	1045	Wed	693/00	USB	(AB)
E11	6433	11-12	1205	Wed	463/00	USB	(AB/MPJ)
E11	5082	11-12	1625	Wed	977/00	USB	(AB/MPJ)
E11	5149	12-12	0820	Thu	439/00	USB	(AB)
E11	7469	12-12	0930	Thu	279/00	USB	(AB)
E11	5409	12-12	1530	Thu	267/00	USB	(AB/MPJ)
E11	5779	12-12	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	12-12	1900	Thu	641/00	USB	(AB)
E11	9130	13-12	0715	Fri	636/00	USB	(AB)
E11	17378	13-12	0745	Fri	340/00	USB	(AB-POL)
E11	5149	13-12	0820	Fri	438/00	USB	(AB)
E11	5082	13-12	1530	Fri	520/00	USB	(AB)
E11	6849	13-12	1650	Fri	924/00	USB	(AB)
E11	4505	14-12	0710	sat	496/00	USB	(AB)
E11	4909	14-12	0805	sat	319/00	USB	(AB)
E11	4505	15-12	0710	Sun	496/00	USB	(AB)

E11	4909	15-12	0805	Sun	311/00	USB	(AB)
E11	5344	15-12	1605	Sun	230/00	USB	(AB)
E11	5082	15-12	1625	Sun	977/00	USB	(AB)
E11	6849	15-12	1650	Sun	921/00	USB	(AB)
E11	12924	15-12	1745	Sun	248/00	USB	(AB)
E11	10487	15-12	1910	Sun	616/00	USB	(AB/MPJ)
E11	4909	16-12	0450	Mon	418/00	USB	(AB)
E11	11450	16-12	0640	Mon	941/00	USB	(AB)
E11	10213	16-12	0745	Mon	267/00	USB	(AB)
E11	8597	16-12	0900	Mon	530/00	USB	(AB)
E11	6849	16-12	1900	Mon	646/00	USB	(AB)
E11	7840	17-12	0645	Tue	517/00	USB	(AB)
E11	6804	17-12	0700	Tue	575/00	USB	(AB)
E11	12089	17-12	0845	Tue	157/00	USB	(AB)
E11	8597	17-12	1000	Tue	307/00	USB	(AB)
E11	6433	17-12	1205	Tue	465/00	USB	(AB/MPJ)
E11	13363	17-12	1345	Tue	914/00	USB	(AB-POL)
E11	5344	17-12	1605	Tue	235/00	USB	(AB/MPJ)
E11	10800	17-12	1645	Tue	330/00	USB	(AB/MPJ)
E11	11450	18-12	0640	Wed	946/00	USB	(AB)
E11	17378	18-12	0745	Wed	348/00	USB	(AB-POL)
E11	8597	18-12	0900	Wed	533/00	USB	(AB)
E11	7469	18-12	0930	Wed	277/00	USB	(AB)
E11	6433	18-12	1205	Wed	464/00	USB	(AB/MPJ)
E11	5082	18-12	1625	Wed	974/00	USB	(AB)
E11	4505	18-12	1705	Wed	390/00	USB	(AB/MPJ)
E11	7840	19-12	0645	Thu	512/00	USB	(AB)
E11	5149	19-12	0820	Thu	431/00	USB	(AB)
E11	12089	19-12	0845	Thu	152/00	USB	(AB)
E11	7469	19-12	0930	Thu	276/00	USB	(AB)
E11	5409	19-12	1530	Thu	268/00	USB	(AB/MPJ)
E11	5779	19-12	1730	Thu	411/00	USB	(AB/MPJ/Harm)
E11	6849	19-12	1900	Thu	643/00	USB	(AB/MPJ)
E11	6280	20-12	0435	Fri	354/00	USB	(AB)
E11	6804	20-12	0700	Fri	576/00	USB	(AB)
E11	5149	20-12	0820	Fri	431/00	USB	(AB)
E11	8597	20-12	1000	Fri	304/00	USB	(AB)
E11	10487	20-12	1910	Fri	611/00	USB	(AB/MPJ)
E11	4505	21-12	0710	sat	497/00	USB	(AB)
E11	4909	21-12	0805	sat	315/00	USB	(AB)

E11	13363	21-12	1345	sat	917/00	USB	(AB)
E11	4505	21-12	1705	sat	396/00	USB	(MPJ)
E11	4909	21-12	1930	sat	360/00	USB	(MPJ)
E11	4505	22-12	0710	Sun	496/00	USB	(AB)
E11	4909	22-12	0805	Sun	313/00	USB	(AB)
E11	5344	22-12	1605	Sun	238/00	USB	(AB)
E11	5082	22-12	1625	Sun	976/00	USB	(AB/MPJ)
E11	10487	22-12	1910	Sun	612/00	USB	(MPJ)
E11	4909	22-12	1930	Sun	360/00	USB	(AB/MPJ)
E11	11450	23-12	0640	Mon	940/00	USB	(AB)
E11	10213	23-12	0745	Mon	266/00	USB	(AB)
E11	8597	23-12	0900	Mon	532/00	USB	(AB)
E11	7984	23-12	1045	Mon	693/00	USB	(AB)
E11	5082	23-12	1530	Mon	524/00	USB	(AB)
E11	12924	23-12	1745	Mon	246/00	USB	(AB-POL/MPJ)
E11	6849	23-12	1900	Mon	646/00	USB	(AB/MPJ)
E11	7840	24-12	0645	Tue	511/00	USB	(AB)
E11	6804	24-12	0700	Tue	579/00	USB	(AB)
E11	9130	24-12	0715	Tue	634/00	USB	(AB)
E11	14611	24-12	0820	Tue	133/00	USB	(AB)
E11	12089	24-12	0845	Tue	150/00	USB	(AB)
E11	8597	24-12	1000	Tue	306/00	USB	(AB)
E11	13363	24-12	1345	Tue	912/00	USB	(AB-POL/MPJ)
E11	10800	24-12	1645	Tue	334/00	USB	(AB-POL)
E11	5779	25-12	0315	Wed	259/00	USB	(AB)
E11	11450	25-12	0640	Wed	941/00	USB	(AB)
E11	17378	25-12	0745	Wed	349/00	USB	(AB-POL)
E11	8597	25-12	0900	Wed	530/00	USB	(AB)
E11	7469	25-12	0930	Wed	270/00	USB	(AB)
E11	7984	25-12	1045	Wed	697/00	USB	(AB)
E11	7840	26-12	0645	Thu	510/00	USB	(AB)
E11	5149	26-12	0820	Thu	430/00	USB	(AB)
E11	12089	26-12	0845	Thu	157/00	USB	(AB)
E11	7469	26-12	0930	Thu	277/00	USB	(AB)
E11	5409	26-12	1530	Thu	267/00	USB	(AB)
E11	10800	26-12	1645	Thu	331/00	USB	(AB-POL)
E11	6849	26-12	1900	Thu	646/00	USB	(AB)
E11	6804	27-12	0700	Fri	575/00	USB	(AB)
E11	9130	27-12	0715	Fri	631/00	USB	(AB)
E11	5149	27-12	0820	Fri	435/00	USB	(AB)

E11	8597	27-12	1000	Fri	305/00	USB	(AB)
E11	5082	27-12	1530	Fri	527/00	USB	(AB)
E11	6849	27-12	1650	Fri	921/00	USB	(AB)
E11	4909	28-12	0805	sat	315/00	USB	(AB)
E11	4505	28-12	1705	sat	390/00	USB	(AB/MPJ)
E11	4909	28-12	1930	sat	366/00	USB	(AB/MPJ)
E11	4909	29-12	0805	Sun	312/00	USB	(AB)
E11	5082	29-12	1625	Sun	978/00	USB	(AB)
E11	6849	29-12	1650	Sun	924/00	USB	(MPJ)
E11	4909	29-12	1930	Sun	364/00	USB	(AB/MPJ)
E11	4909	30-12	0450	Mon	418/00	USB	(AB)
E11	11450	30-12	0640	Mon	945/00	USB	(AB)
E11	10213	30-12	0745	Mon	264/00	USB	(AB)
E11	8597	30-12	0900	Mon	530/00	USB	(AB)
E11	7984	30-12	1045	Mon	692/00	USB	(AB)
E11	5082	30-12	1530	Mon	527/00	USB	(AB)
E11	12924	30-12	1745	Mon	248/00	USB	(AB-POL/MPJ)
E11	6849	30-12	1900	Mon	649/00	USB	(AB)
E11	6804	31-12	0700	Tue	579/00	USB	(AB)
E11	9130	31-12	0715	Tue	630/00	USB	(AB)
E11	14611	31-12	0820	Tue	132/00	USB	(AB)
E11	12089	31-12	0845	Tue	154/00	USB	(AB)
E11	8597	31-12	1000	Tue	304/00	USB	(AB)
E11	6433	31-12	1205	Tue	460/00	USB	(AB/MPJ)
E11	13363	31-12	1345	Tue	912/00	USB	(AB-POL)
E11	5344	31-12	1605	Tue	233/00	USB	(AB/MPJ)
E11	10800	31-12	1645	Tue	338/00	USB	(AB-POL/MPJ)
E11a	10213	2-12	0745	Mon	269/33 Attention 02487 58577 69744 ... 65012 10750 02903 Attention (message repeated) Out	USB	(AB)
E11a	8597	2-12	0900	Mon	535/33 Attention 52890 12518 83816 ... 29681 61282 96982 Attention (message repeated) Out	USB	(AB)
E11a	6849	2-12	1900	Mon	644/36 Attention 85668 48767 22713 ... 00724 51311 02503 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	3838	2-12	2300	Mon	121/30 Attention 25630 12485 65214 ... 02154 87521 22152 Attention (message repeated) Out	USB	(Danix)
E11a	17378	4-12	0745	Wed	340/37 Attention 75255 54246 45593 ... 71902 28189 55787 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	4-12	0900	Wed	535/33 Attention 52890 12518 83816 ... 29681 61282 96982 Attention (message repeated) Out	USB	(AB)
E11a	7469	4-12	0930	Wed	271/37 Attention 44704 99937 69367 ... 08088 02532 11706 Attention (message repeated) Out	USB	(AB)
E11a	5082	4-12	1625	Wed	975/38 Attention 60586 31643 97021 ... 94462 95187 74334 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5149	5-12	0820	Thu	432/36 Attention 47727 27499 65726 ... 82548 86467 66718 Attention (message repeated) Out	USB	(AB)
E11a	7469	5-12	0930	Thu	271/37 Attention 44704 99937 69367 ... 08088 02532 11706 Attention (message repeated) Out	USB	(AB)
E11a	5409	5-12	1530	Thu	269/33 Attention 02487 58577 69744 ... 65012 10750 02903 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	5-12	1900	Thu	644/36 Attention 85668 48767 22713 ... 00724 51311 02503 Attention (message repeated) Out	USB	(MPJ)
E11a	17378	6-12	0745	Fri	340/37 Attention 75255 54246 45593 ... 71902 28189 55787 Attention (message repeated) Out	USB	(AB-POL)

E11a	5149	6-12	0820	Fri	432/36 Attention 47727 27499 65726 ... 82548 86467 66718 Attention (message repeated) Out	USB	(AB)
E11a	4909	7-12	0805	sat	310/36 Attention 58428 74992 80941 ... 22017 07980 38730 Attention (message repeated) Out	USB	(AB)
E11a	4909	8-12	0805	Sun	310/36 Attention 58428 74992 80941 ... 22017 07980 38730 Attention (message repeated) Out	USB	(AB)
E11a	5082	8-12	1625	Sun	975/38 Attention 60586 31643 97021 ... 94462 95187 74334 Attention (message repeated) Out	USB	(AB)
E11a	11450	9-12	0640	Mon	948/20 Attention 54748 00429 21406 ... 16698 29368 25245 Attention (message repeated) Out	USB	(AB)
E11a	7840	10-12	0645	Tue	514/34 Attention 41806 59105 98763 ... 64975 68324 03870 Attention (message repeated) Out	USB	(AB)
E11a	6804	10-12	0700	Tue	571/31 Attention 03454 24511 96191 ... 20205 38300 43916 Attention (message repeated) Out	USB	(AB)
E11a	12089	10-12	0845	Tue	152/38 Attention 43991 73394 12666 ... 19016 75604 19627 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	10-12	1000	Tue	302/32 Attention 42054 01501 35192 ... 87125 36363 79780 Attention (message repeated) Out	USB	(AB)
E11a	13363	10-12	1345	Tue	911/31 Attention 63181 84311 04045 ... 26028 98549 98661 Attention (message repeated) Out	USB	(AB-POL)
E11a	11450	11-12	0640	Wed	948/20 Attention 54748 00429 21406 ... 16698 29368 25245 Attention (message repeated) Out	USB	(AB)
E11a	4505	11-12	1705	Wed	392/34 Attention 33592 19150 60208 ... 44863 03770 62806 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7840	12-12	0645	Thu	514/34 Attention 41806 59105 98763 ... 64975 68324 03870 Attention (message repeated) Out	USB	(AB)
E11a	12089	12-12	0845	Thu	152/38 Attention 43991 73394 12666 ... 19016 75604 19627 Attention (message repeated) Out	USB	(AB)
E11a	10800	12-12	1645	Thu	334/32 Attention 43125 15670 02932 ... 19264 46306 81715 Attention (message repeated) Out	USB	(AB-POL)
E11a	6804	13-12	0700	Fri	571/31 Attention 03454 24511 96191 ... 20205 38300 43916 Attention (message repeated) Out	USB	(AB)
E11a	8597	13-12	1000	Fri	302/32 Attention 42054 01501 35192 ... 87125 36363 79780 Attention (message repeated) Out	USB	(AB)
E11a	13363	14-12	1345	sat	911/31 Attention 63181 84311 04045 ... 26028 98549 98661 Attention (message repeated) Out	USB	(AB-POL/FT)
E11a	4505	14-12	1705	sat	392/34 Attention 33592 19150 60208 ... 44863 03770 62806 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	14-12	1930	sat	369/36 Attention 44039 96972 09870 ... 72471 79393 62876 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	15-12	1930	Sun	369/36 Attention 44039 96972 09870 ... 72471 79393 62876 Attention (message repeated) Out	USB	(AB)
E11a	7984	16-12	1045	Mon	697/28 Attention 98166 29975 12599 ... 96033 00844 86834 Attention (message repeated) Out	USB	(AB)
E11a	5082	16-12	1530	Mon	527/36 Attention 07765 93389 97743 ... 09230 42526 78663 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	16-12	1745	Mon	246/32 Attention 24226 48162 75379 ... 87600 49309 75458 Attention (message repeated) Out	USB	(AB-POL)
E11a	9130	17-12	0715	Tue	631/37 Attention 32870 88363 35049 ... 51157 36784 19435 Attention (message repeated) Out	USB	(AB)
E11a	14611	17-12	0820	Tue	138/37 Attention 00767 73482 38031 ... 59744 20932 23831 Attention (message repeated) Out	USB	(AB-KWT)
E11a	14611	18-12	0820	Wed	138/37 Attention 00767 73482 38031 ... 59744 20932 23831 Attention (message repeated) Out	USB	(AB-POL)
E11a	7984	18-12	1045	Wed	697/28 Attention 98166 29975 12599 ... 96033 00844 86834 Attention (message repeated) Out	USB	(AB)
E11a	9130	20-12	0715	Fri	631/37 Attention 32870 88363 35049 ... 51157 36784 19435 Attention (message repeated) Out	USB	(AB)
E11a	5082	20-12	1530	Fri	527/36 Attention 07765 93389 97743 ... 09230 42526 78663 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6849	20-12	1650	Fri	920/38 Attention 67721 64319 75879 ... 51648 76949 46881 Attention (message repeated) Out	USB	(AB)
E11a	6849	22-12	1650	Sun	920/38 Attention 67721 64319 75879 ... 51648 76949 46881 Attention (message repeated) Out	USB	(MPJ)
E11a	6433	24-12	1205	Tue	461/32 Attention 03398 51216 92637 ... 68573 37919 65081 Attention (message repeated) Out	USB	(AB/NWA)
E11a	5344	24-12	1605	Tue	238/32 Attention 62486 44118 10391 ... 01727 14947 44357 Attention (message repeated) Out	USB	(AB)
E11a	5779	26-12	1730	Thu	416/33 Attention 14679 70518 55745 ... 51034 08043 67992 Attention (message repeated) Out	USB	(AB-POL)
E11a	4505	28-12	0710	sat	491/31 Attention 96316 80241 98893 ... 29660 31092 75601 Attention (message repeated) Out	USB	(AB)
E11a	4505	29-12	0710	Sun	491/31 Attention 96316 80241 98893 ... 29660 31092 75601 Attention (message repeated) Out	USB	(AB)
E11a	5344	29-12	1605	Sun	238/32 Attention 62486 44118 10391 ... 01727 14947 44357 Attention (message repeated) Out	USB	(AB)
E11a	10487	29-12	1910	Sun	611/40 Attention 72151 14540 14466 ... 45592 71726 02868	USB	(MPJ)
E17z	11170	5-12	0800	Thu	217 906 5 11169 03439 43548 19152 23063 906 5 00000	USB	(AB)

F01	8016	9-12	1035	Mon	Russian diplo/intel. 05283 70926 10019 ... 56257 09417 00000	FSK 200/500	(AB)
F01	12164	10-12	1015	Tue	Russian diplo/intel. Two messages. 81534 77853 01008 ... 05682 44113 10103 00000 and 58808 40783 74748 ... 53580 49537 11081 00000	FSK 200/500	(AB)
F01	10336	10-12	1025	Tue	Russian diplo/intel. Two messages. 81534 77853 01008 ... 05682 44113 10103 00000 and 58808 40783 74748 ... 53580 49537 11081 00000	FSK 200/500	(AB)
F01	8016	10-12	1035	Tue	Russian diplo/intel. Two messages. 81534 77853 01008 ... 05682 44113 10103 00000 and 58808 40783 74748 ... 53580 49537 11081 00000	FSK 200/500	(AB)
F01	12164	11-12	1015	Wed	Russian diplo/intel. 36313 28915 31808 ... 80730 08599 12407 00000	FSK 200/500	(AB)
F01	10336	11-12	1025	Wed	Russian diplo/intel. 36313 28915 31808 ... 80730 08599 12407 00000	FSK 200/500	(AB)
F01	8016	11-12	1035	Wed	Russian diplo/intel. 36313 28915 31808 ... 80730 08599 12407 00000	FSK 200/500	(AB)
F01	12164	12-12	1015	Thu	Russian diplo/intel. Two messages: 84005 65489 53835 ... 46935 13886 13125 00000 and 77692 06071 11385 ... 18971 65294 14056 00000	FSK 200/500	(AB)
F01	10336	12-12	1025	Thu	Russian diplo/intel. Two messages: 84005 65489 53835 ... 46935 13886 13125 00000 and 77692 06071 11385 ... 18971 65294 14056 00000	FSK 200/500	(AB)
F01	8016	12-12	1035	Thu	Russian diplo/intel. Two messages: 84005 65489 53835 ... 46935 13886 13125 00000 and 77692 06071 11385 ... 18971 65294 14056 00000	FSK 200/500	(AB)
F01	12164	13-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	13-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	13-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	16-12	1015	Mon	Russian diplo/intel. 50600 51974 17227 ... 30630 08163 15413 00000	FSK 200/500	(AB)
F01	10336	16-12	1025	Mon	Russian diplo/intel. 50600 51974 17227 ... 30630 08163 15413 00000	FSK 200/500	(AB)
F01	8016	16-12	1035	Mon	Russian diplo/intel. 50600 51974 17227 ... 30630 08163 15413 00000	FSK 200/500	(AB)
F01	12164	17-12	1015	Tue	Russian diplo/intel. Two messages. 09819 50981 82692 ... 11077 01056 16151 00000 and 70873 21840 41562 ... 61229 14579 17037 00000	FSK 200/500	(AB)
F01	10336	17-12	1025	Tue	Russian diplo/intel. Two messages. 09819 50981 82692 ... 11077 01056 16151 00000 and 70873 21840 41562 ... 61229 14579 17037 00000	FSK 200/500	(AB)
F01	8016	17-12	1035	Tue	Russian diplo/intel. Two messages. 09819 50981 82692 ... 11077 01056 16151 00000 and 70873 21840 41562 ... 61229 14579 17037 00000	FSK 200/500	(AB)
F01	12164	18-12	1015	Wed	Russian diplo/intel. 31768 37277 54095 ... 19179 80476 18435 00000	FSK 200/500	(AB)
F01	10336	18-12	1025	Wed	Russian diplo/intel. 31768 37277 54095 ... 19179 80476 18435 00000	FSK 200/500	(AB)
F01	8016	18-12	1035	Wed	Russian diplo/intel. 31768 37277 54095 ... 19179 80476 18435 00000	FSK 200/500	(AB)
F01	12164	19-12	1015	Thu	Russian diplo/intel. Two messages: 06368 87283 06741 ... 11991 17491 19083 00000 and 18444 61108 08702 ... 94045 09912 20095 00000	FSK 200/500	(AB)
F01	10336	19-12	1025	Thu	Russian diplo/intel. Two messages: 06368 87283 06741 ... 11991 17491 19083 00000 and 18444 61108 08702 ... 94045 09912 20095 00000	FSK 200/500	(AB)
F01	8016	19-12	1035	Thu	Russian diplo/intel. Two messages: 06368 87283 06741 ... 11991 17491 19083 00000 and 18444 61108 08702 ... 94045 09912 20095 00000	FSK 200/500	(AB)
F01	12164	20-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	20-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	20-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)

F01	10884	23-12	0025	Mon	Russian diplo/intel. Header: 11177 00117 32178 19057 02039	FSK 200/500	(Danix-USA)
F01	8157	23-12	0035	Mon	Russian diplo/intel. Header: 11177 00117 32178 19057 02039	FSK 200/500	(Danix-USA)
F01	12164	23-12	1015	Mon	Russian diplo/intel. 93590 79888 78929 ... 07588 77355 21423 00000	FSK 200/500	(AB)
F01	10336	23-12	1025	Mon	Russian diplo/intel. 93590 79888 78929 ... 07588 77355 21423 00000	FSK 200/500	(AB)
F01	8016	23-12	1035	Mon	Russian diplo/intel. 93590 79888 78929 ... 07588 77355 21423 00000	FSK 200/500	(AB)
F01	12164	24-12	1015	Tue	Russian diplo/intel. Two messages. 74739 10480 30203 ... 87798 80761 22121 00000 and 83416 89055 08285... 49558 87336 23055 00000	FSK 200/500	(AB)
F01	10336	24-12	1025	Tue	Russian diplo/intel. Two messages. 74739 10480 30203 ... 87798 80761 22121 00000 and 83416 89055 08285... 49558 87336 23055 00000	FSK 200/500	(AB)
F01	8016	24-12	1035	Tue	Russian diplo/intel. Two messages. 74739 10480 30203 ... 87798 80761 22121 00000 and 83416 89055 08285... 49558 87336 23055 00000	FSK 200/500	(AB)
F01	5087	24-12	1756	Tue	Russian diplo/intel i.p. Ends with 00304 53063 74315 68504 18839 76694 00000	FSK 200/100	(AB)
F01	12164	25-12	1015	Wed	Russian diplo/intel. 09835 74088 43464 ... 75504 19963 24415 00000	FSK 200/500	(AB)
F01	10336	25-12	1025	Wed	Russian diplo/intel. 09835 74088 43464 ... 75504 19963 24415 00000	FSK 200/500	(AB)
F01	8016	25-12	1035	Wed	Russian diplo/intel. 09835 74088 43464 ... 75504 19963 24415 00000	FSK 200/500	(AB)
F01	12164	26-12	1015	Thu	Russian diplo/intel. Two messages: 27080 36365 34644 ... 06188 20073 25081 00000 and 47666 94556 63622 ... 42466 85214 26093 00000	FSK 200/500	(AB)
F01	10336	26-12	1025	Thu	Russian diplo/intel. Two messages: 27080 36365 34644 ... 06188 20073 25081 00000 and 47666 94556 63622 ... 42466 85214 26093 00000	FSK 200/500	(AB)
F01	8016	26-12	1035	Thu	Russian diplo/intel. Two messages: 27080 36365 34644 ... 06188 20073 25081 00000 and 47666 94556 63622 ... 42466 85214 26093 00000	FSK 200/500	(AB)
F01	12164	27-12	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10336	27-12	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8016	27-12	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12164	30-12	1015	Mon	Russian diplo/intel. 28409 63469 73206 ... 34393 96766 27431 00000	FSK 200/500	(AB)
F01	10336	30-12	1025	Mon	Russian diplo/intel. 28409 63469 73206 ... 34393 96766 27431 00000	FSK 200/500	(AB)
F01	8016	30-12	1035	Mon	Russian diplo/intel. 28409 63469 73206 ... 34393 96766 27431 00000	FSK 200/500	(AB)
F01	12164	31-12	1015	Tue	Russian diplo/intel. Two messages. 98032 78511 92635 ... 65261 31976 28077 00000 and 42106 99918 58433 ... 40900 50418 29081 00000	FSK 200/500	(AB)
F01	10336	31-12	1025	Tue	Russian diplo/intel. Two messages. 98032 78511 92635 ... 65261 31976 28077 00000 and 42106 99918 58433 ... 40900 50418 29081 00000	FSK 200/500	(AB)
F01	8016	31-12	1035	Tue	Russian diplo/intel. Two messages. 98032 78511 92635 ... 65261 31976 28077 00000 and 42106 99918 58433 ... 40900 50418 29081 00000	FSK 200/500	(AB)
F03a	13424	2-12	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	2-12	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	2-12	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	6906	2-12	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	4909	3-12	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	3-12	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	3-12	0800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03a	14656	3-12	0805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	6480	3-12	1800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	3-12	1805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	4-12	0630	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	4-12	0635	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	4-12	0800	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	14656	4-12	0805	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	13046	4-12	1330	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	4-12	1335	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	5-12	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	5-12	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	5-12	1800	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	5-12	1805	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	5-12	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	5-12	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	6-12	1330	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	6-12	1335	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	9-12	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	9-12	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	10-12	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	10-12	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	10-12	0800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	10-12	0805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	10-12	1800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	10-12	1805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	11-12	0630	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	11-12	0635	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	11-12	0800	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	14656	11-12	0805	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	13046	11-12	1330	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	11-12	1335	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	12-12	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	12-12	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	12-12	1800	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	12-12	1805	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	12-12	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	12-12	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	13-12	1330	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	13-12	1335	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	16-12	0630	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)

F03a	13424	16-12	0635	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	16-12	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	16-12	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	17-12	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	17-12	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	17-12	1800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	17-12	1805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	18-12	0630	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	18-12	0635	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	18-12	0800	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	18-12	0805	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	18-12	1330	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	18-12	1335	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	19-12	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	19-12	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	19-12	1800	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	19-12	1805	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	19-12	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	19-12	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	20-12	1330	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	20-12	1335	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	23-12	0630	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	23-12	0635	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	23-12	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	23-12	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	24-12	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	24-12	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	24-12	0800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	24-12	0805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	24-12	1800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	24-12	1805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	25-12	0630	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	25-12	0635	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	25-12	0800	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	25-12	0805	Wed	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	26-12	1800	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	26-12	1805	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	26-12	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	26-12	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	27-12	1330	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)

F03a	13046	27-12	1335	Fri	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	30-12	0630	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	30-12	0635	Mon	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	30-12	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	30-12	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	31-12	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	4909	31-12	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	31-12	0800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	31-12	0805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	31-12	1800	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	31-12	1805	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03c	8800	2-12	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	2-12	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	6-12	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	6-12	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	9-12	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	9-12	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	13-12	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	13-12	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	16-12	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	16-12	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	20-12	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	20-12	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	23-12	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	23-12	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	27-12	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	27-12	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	30-12	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	30-12	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03j	5946	4-12	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	4-12	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	4-12	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	4-12	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	5-12	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	5-12	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	9-12	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	9-12	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	11-12	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	11-12	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	11-12	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)

F03j	7837	11-12	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	12-12	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	12-12	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	16-12	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	16-12	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	18-12	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	18-12	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	18-12	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	18-12	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	19-12	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	19-12	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	23-12	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	23-12	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	25-12	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	25-12	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	25-12	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	25-12	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	26-12	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	26-12	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	30-12	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	30-12	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F06	9416	1-12	1530	Sun	Russian diplo/intel. 11166 10053 12587 01001 00049 00000 000000 00000 00000	FSK 200/1000	(AB)
F06	7836	1-12	1540	Sun	Russian diplo/intel. 11166 10053 12587 01001 00049 00000 000000 00000 00000	FSK 200/1000	(AB)
F06	6785	1-12	1550	Sun	Russian diplo/intel. 11166 10053 12587 01001 00049 00000 000000 00000 00000	FSK 200/1000	(AB)
F06	9313	3-12	1650	Tue	Russian diplo/intel. 11166 10053 16425 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7928	3-12	1700	Tue	Russian diplo/intel. 11166 10053 16425 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6783	3-12	1710	Tue	Russian diplo/intel. 11166 10053 16425 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20157	4-12	0600	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB-HK)
F06	18241	4-12	0610	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB-AUS)
F06	16204	4-12	0620	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB-HK)
F06	13473	4-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 23587 03043 02099	FSK 200/1000	(Danix)
F06	11109	4-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 23587 03043 02099	FSK 200/1000	(Danix)
F06	9178	4-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 23587 03043 02099	FSK 200/1000	(Danix)
F06	7929	5-12	0800	Thu	Russian diplo/intel. 11166 70048 75319 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6897	5-12	0810	Thu	Russian diplo/intel. 11166 70048 75319 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5813	5-12	0820	Thu	Russian diplo/intel. 11166 70048 75319 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13473	5-12	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 14523 04044 02179 and 11166 70202 14567 04045 02059	FSK 200/1000	(AB)
F06	11109	5-12	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 14523 04044 02179 and 11166 70202 14567 04045 02059	FSK 200/1000	(AB)

F06	9178	5-12	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 14523 04044 02179 and 11166 70202 14567 04045 02059	FSK 200/1000	(AB)
F06	10968	5-12	1330	Thu	Russian diplo/intel. 11166 80214 12897 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	9354	5-12	1340	Thu	Russian diplo/intel. 11166 80214 12897 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	7963	5-12	1350	Thu	Russian diplo/intel. 11166 80214 12897 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9416	8-12	1530	Sun	Russian diplo/intel. 11166 10053 23945 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	7836	8-12	1540	Sun	Russian diplo/intel. 11166 10053 23945 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	6785	8-12	1550	Sun	Russian diplo/intel. 11166 10053 23945 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	13496	9-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	11046	9-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	9065	9-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	13473	9-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	11109	9-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	9178	9-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 67349 09046 02199	FSK 200/1000	(AB)
F06	10272	10-12	0030	Tue	Russian diplo/intel. 11166 60070 78965 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	10-12	0040	Tue	Russian diplo/intel. 11166 60070 78965 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	7518	10-12	0050	Tue	Russian diplo/intel. 11166 60070 78965 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13496	10-12	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 64512 09047 01879 and 11166 70202 49851 09048 01959	FSK 200/1000	(AB)
F06	11046	10-12	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 64512 09047 01879 and 11166 70202 49851 09048 01959	FSK 200/1000	(AB)
F06	9065	10-12	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 64512 09047 01879 and 11166 70202 49851 09048 01959	FSK 200/1000	(AB)
F06	13473	10-12	1200	Tue	Russian diplo/intel. Undecodable. Incorrect bandwidth	FSK 200/500	(AB)
F06	11109	10-12	1210	Tue	Russian diplo/intel. Undecodable. Incorrect bandwidth	FSK 200/500	(AB)
F06	9178	10-12	1220	Tue	Russian diplo/intel. Undecodable. Incorrect bandwidth	FSK 200/500	(AB)
F06	9313	10-12	1650	Tue	Russian diplo/intel. 11166 10053 14273 10071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN/MPJ)
F06	7928	10-12	1700	Tue	Russian diplo/intel. 11166 10053 14273 10071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN/MPJ)
F06	6783	10-12	1710	Tue	Russian diplo/intel. 11166 10053 14273 10071 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20157	11-12	0600	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB)
F06	18241	11-12	0610	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB)
F06	16204	11-12	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 34512 07063 03029 and 11166 40122 48526 07064 02469	FSK 200/1000	(AB-J)
F06	13496	11-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB-FIN)
F06	11046	11-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB)
F06	9065	11-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB)
F06	19851	11-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	17464	11-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	15609	11-12	0920	Wed	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	13473	11-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB)

F06	11109	11-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB)
F06	9178	11-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 12369 10049 02099	FSK 200/1000	(AB)
F06	16204	12-12	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 34512 07063 03029 and 11166 40122 48526 07064 02469	FSK 200/1000	(AB-J)
F06	13496	12-12	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	11046	12-12	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	9065	12-12	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	7929	12-12	0800	Thu	Russian diplo/intel. 11166 70048 75631 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6897	12-12	0810	Thu	Russian diplo/intel. 11166 70048 75631 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5813	12-12	0820	Thu	Russian diplo/intel. 11166 70048 75631 12001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19851	12-12	0900	Thu	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	17464	12-12	0910	Thu	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	15609	12-12	0920	Thu	Russian diplo/intel. Header: 11166 00052 14789 11050 01229	FSK 200/1000	(AB)
F06	13473	12-12	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	11109	12-12	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	9178	12-12	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 13568 10050 01789 and 11166 70202 59614 10051 01499	FSK 200/1000	(AB)
F06	10968	12-12	1330	Thu	Russian diplo/intel. 11166 80214 36857 12035 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	9354	12-12	1340	Thu	Russian diplo/intel. 11166 80214 36857 12035 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	7963	12-12	1350	Thu	Russian diplo/intel. 11166 80214 36857 12035 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13496	13-12	0700	Fri	Russian diplo/intel. 11166 70202 14789 13048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11046	13-12	0710	Fri	Russian diplo/intel. 11166 70202 14789 13048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	13-12	0720	Fri	Russian diplo/intel. 11166 70202 14789 13048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18589	14-12	1500	sat	Russian diplo/intel. 11166 40133 14279 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16248	14-12	1510	sat	Russian diplo/intel. 11166 40133 14279 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	14877	14-12	1520	sat	Russian diplo/intel. 11166 40133 14279 14038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9416	15-12	1530	Sun	Russian diplo/intel. 11166 10053 14789 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	15-12	1540	Sun	Russian diplo/intel. 11166 10053 14789 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6785	15-12	1550	Sun	Russian diplo/intel. 11166 10053 14789 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7379	16-12	0500	Mon	Russian diplo/intel. 11166 70059 14789 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6774	16-12	0510	Mon	Russian diplo/intel. 11166 70059 14789 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5463	16-12	0520	Mon	Russian diplo/intel. 11166 70059 14789 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	16-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB)
F06	11046	16-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB)
F06	9065	16-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB)

F06	13473	16-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB/MPJ)
F06	11109	16-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB/MPJ)
F06	9178	16-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 61243 13052 02799	FSK 200/1000	(AB/MPJ)
F06	10272	17-12	0030	Tue	Russian diplo/intel. 11166 60070 16324 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	17-12	0040	Tue	Russian diplo/intel. 11166 60070 16324 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7518	17-12	0050	Tue	Russian diplo/intel. 11166 60070 16324 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	17-12	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/1000	(AB)
F06	11046	17-12	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/1000	(AB)
F06	9065	17-12	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/1000	(AB)
F06	13473	17-12	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/500	(AB)
F06	11109	17-12	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/1000	(AB)
F06	9178	17-12	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 56482 16053 02679 and 11166 70202 12537 16054 01299	FSK 200/1000	(AB)
F06	9313	17-12	1650	Tue	Russian diplo/intel. 11166 10053 45621 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	7928	17-12	1700	Tue	Russian diplo/intel. 11166 10053 45621 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	6783	17-12	1710	Tue	Russian diplo/intel. 11166 10053 45621 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	18241	18-12	0610	Wed	Russian diplo/intel. Unreadable	FSK 200/1000	(AB-J)
F06	16204	18-12	0620	Wed	Russian diplo/intel. 11166 40122 12587 18014 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	13496	18-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB-FIN)
F06	11046	18-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB)
F06	9065	18-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB)
F06	13473	18-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB/MPJ)
F06	11109	18-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB/MPJ)
F06	9178	18-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 36987 17055 02759	FSK 200/1000	(AB/MPJ)
F06	13496	19-12	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)
F06	11046	19-12	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)
F06	9065	19-12	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)
F06	7929	19-12	0800	Thu	Russian diplo/intel. 11166 70048 14789 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6897	19-12	0810	Thu	Russian diplo/intel. 11166 70048 14789 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5813	19-12	0820	Thu	Russian diplo/intel. 11166 70048 14789 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13473	19-12	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)

F06	11109	19-12	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)
F06	9178	19-12	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 84751 18056 01599 and 11166 70202 34561 18057 01859	FSK 200/1000	(AB)
F06	10968	19-12	1330	Thu	Russian diplo/intel. 11166 80214 61427 19054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	19-12	1340	Thu	Russian diplo/intel. 11166 80214 61427 19054 00049 00000 00000 00000 00000	FSK 200/1000	(AB-FIN)
F06	7963	19-12	1350	Thu	Russian diplo/intel. 11166 80214 61427 19054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	20-12	0700	Fri	Russian diplo/intel. 11166 70202 41272 20028 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	11046	20-12	0710	Fri	Russian diplo/intel. 11166 70202 41272 20028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	20-12	0720	Fri	Russian diplo/intel. 11166 70202 41272 20028 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18589	21-12	1500	sat	Russian diplo/intel. 11166 40133 15973 21001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16248	21-12	1510	sat	Russian diplo/intel. 11166 40133 15973 21001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	14877	21-12	1520	sat	Russian diplo/intel. 11166 40133 15973 21001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	9416	22-12	1530	Sun	Russian diplo/intel. 11166 10053 17935 22176 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	22-12	1540	Sun	Russian diplo/intel. 11166 10053 17935 22176 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6785	22-12	1550	Sun	Russian diplo/intel. 11166 10053 17935 22176 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13496	23-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB-FIN)
F06	11046	23-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB)
F06	9065	23-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB)
F06	13473	23-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB/MPJ)
F06	11109	23-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB/MPJ)
F06	9178	23-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 82649 20058 02459	FSK 200/1000	(AB/MPJ)
F06	10272	24-12	0030	Tue	Russian diplo/intel. 11166 60070 14789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9075	24-12	0040	Tue	Russian diplo/intel. 11166 60070 14789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7518	24-12	0050	Tue	Russian diplo/intel. 11166 60070 14789 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	24-12	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/1000	(AB-POL)
F06	11046	24-12	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/1000	(AB)
F06	9065	24-12	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/1000	(AB)
F06	13473	24-12	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/500	(AB)
F06	11109	24-12	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/1000	(AB)
F06	9178	24-12	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 58149 23059 01779 and 11166 70202 96375 23060 01979	FSK 200/1000	(AB)
F06	9313	24-12	1650	Tue	Russian diplo/intel. 11166 10053 25369 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	7928	24-12	1700	Tue	Russian diplo/intel. 11166 10053 25369 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6783	24-12	1710	Tue	Russian diplo/intel. 11166 10053 25369 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	18241	25-12	0610	Wed	Russian diplo/intel. Header: 11166 40122 56438 21065 03179	FSK 200/1000	(AB-J)
F06	16204	25-12	0620	Wed	Russian diplo/intel. Header: 11166 40122 56438 21065 03179	FSK 200/1000	(AB-J)
F06	13496	25-12	0700	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB-POL)
F06	11046	25-12	0710	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB)
F06	9065	25-12	0720	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB)
F06	19851	25-12	0900	Wed	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB-RUS)
F06	17464	25-12	0910	Wed	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB)
F06	15609	25-12	0920	Wed	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB)
F06	13473	25-12	1200	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB)
F06	11109	25-12	1210	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB)
F06	9178	25-12	1220	Wed	Russian diplo/intel. Header: 11166 70202 15649 24061 02859	FSK 200/1000	(AB)
F06	13496	26-12	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB-RUS)
F06	11046	26-12	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB-RUS)
F06	9065	26-12	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB)
F06	7929	26-12	0800	Thu	Russian diplo/intel. 11166 70048 17935 26016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6897	26-12	0810	Thu	Russian diplo/intel. 11166 70048 17935 26016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5813	26-12	0820	Thu	Russian diplo/intel. 11166 70048 17935 26016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19851	26-12	0900	Thu	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB-RUS)
F06	17464	26-12	0910	Thu	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB)
F06	15609	26-12	0920	Thu	Russian diplo/intel. Header: 11166 00052 75319 25051 02599	FSK 200/1000	(AB)
F06	13473	26-12	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB)
F06	11109	26-12	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB)
F06	9178	26-12	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58912 25062 01579 and 11166 70202 73461 25063 01899	FSK 200/1000	(AB)
F06	10968	26-12	1330	Thu	Russian diplo/intel. 11166 80214 52314 26052 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9354	26-12	1340	Thu	Russian diplo/intel. 11166 80214 52314 26052 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7963	26-12	1350	Thu	Russian diplo/intel. 11166 80214 52314 26052 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13496	27-12	0700	Fri	Russian diplo/intel. 11166 70202 89617 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	11046	27-12	0710	Fri	Russian diplo/intel. 11166 70202 89617 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9065	27-12	0720	Fri	Russian diplo/intel. 11166 70202 89617 27082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18589	28-12	1500	sat	Russian diplo/intel. 11166 40133 79413 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	16248	28-12	1510	sat	Russian diplo/intel. 11166 40133 79413 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14877	28-12	1520	sat	Russian diplo/intel. 11166 40133 79413 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9416	29-12	1530	Sun	Russian diplo/intel. 11166 10053 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7836	29-12	1540	Sun	Russian diplo/intel. 11166 10053 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	6785	29-12	1550	Sun	Russian diplo/intel. 11166 10053 74123 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13496	30-12	0700	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB-POL)
F06	11046	30-12	0710	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB)
F06	9065	30-12	0720	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB)
F06	13473	30-12	1200	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB)
F06	11109	30-12	1210	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB)
F06	9178	30-12	1220	Mon	Russian diplo/intel. Header: 11166 70202 39275 30064 02539	FSK 200/1000	(AB)
F06	10272	31-12	0030	Tue	Russian diplo/intel. 11166 60070 17935 31075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	9075	31-12	0040	Tue	Russian diplo/intel. 11166 60070 17935 31075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	7518	31-12	0050	Tue	Russian diplo/intel. 11166 60070 17935 31075 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13496	31-12	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB-POL)
F06	11046	31-12	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB)
F06	9065	31-12	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB)
F06	13473	31-12	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB/MPJ)
F06	11109	31-12	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB/MPJ)
F06	9178	31-12	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35971 30065 01539 and 11166 70202 59416 30066 01739	FSK 200/1000	(AB/MPJ)
F06	9313	31-12	1650	Tue	Russian diplo/intel. 11166 10053 14789 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	7928	31-12	1700	Tue	Russian diplo/intel. 11166 10053 14789 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	6783	31-12	1710	Tue	Russian diplo/intel. 11166 10053 14789 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
G06	5320	2-12	0800	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	3623	2-12	1700	Mon	145 145 145 00000	USB	(AB)
G06	4528	2-12	1759	Mon	Early start. 145 145 145 00000	USB	(AB)
G06	4897	4-12	1200	Wed	145 145 145 00000	USB	(AB-POL/MPJ-POL)
G06	4034	4-12	1300	Wed	145 145 145 00000 Windows shut down sound	USB	(AB-POL/MPJ-POL)
G06	4460	5-12	1259	Thu	329 329 329 00000 Windows shutdown sound	USB	(AB-POL/MPJ)
G06	3619	9-12	1613	Mon	111 111 111 00000	USB	(AB)
G06	3619	9-12	1620	Mon	111 111 111 00000	USB	(AB)
G06	3619	9-12	1645	Mon	111 111 111 00000	USB	(AB)
G06	3619	9-12	1700	Mon	145 145 145 00000	USB	(AB)
G06	3619	9-12	1706	Mon	111 111 111 00000	USB	(AB)
G06	4528	9-12	1800	Mon	145 145 145 00000 Windows shut down sound	USB	(AB)
G06	4897	11-12	1200	Wed	145 145 145 00000	USB	(AB)

G06	4034	11-12	1300	Wed	145 145 145 00000 Windows shut down sound	USB	(AB-POL/MPJ-FIN)
G06	4519	12-12	1844	Thu	Late start 271 978 44 11532 37595 68553 ... 78203 80329 38780 978 44 00000	USB	(MPJ)
G06	4792	13-12	1930	Fri	436 992 45 75432 36426 25598 ...	USB	(AB/HFD)
G06	5320	16-12	0745	Mon	111 111 111	USB	(AB)
G06	5320	16-12	0800	Mon	329 329 329 00000	USB	(AB)
G06	4460	19-12	1233	Thu	111 111 111 00000	USB	(AB-POL)
G06	4460	19-12	1242	Thu	11	USB	(AB-POL)
G06	4460	19-12	1248	Thu	111	USB	(AB-POL)
G06	4460	19-12	1259	Thu	329 329 329	USB	(AB-POL)
G06	4460	19-12	1302	Thu	329 329 329 00000 Windows shut down sound	USB	(AB-POL)
G06	4519	26-12	1830	Thu	271 456 45 12435 76426 05698 ... 12346 73416 32442 456 45 00000 Windows shut down sound	USB	(AB)
G06	4792	27-12	1838	Fri	111 111 111 00000	USB	(AB)
G06	4792	27-12	1841	Fri	111 111 111 00000	USB	(AB)
G06	4792	27-12	1930	Fri	436 546 45 12435 76426 05698 ... 12346 73416 32442 456 45 00000 Windows shut down sound	USB	(AB)
HM01	9330	1-12	0730	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9330	1-12	0800	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	9065	1-12	0900	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov) Should be on 9240 kHz	AM/RDFT	(AB)
HM01	9065	1-12	1000	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov) Should be on 9155 kHz moves to 9155 kHz at 1003 UTC	AM/RDFT	(AB)
HM01	9155	1-12	1003	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov) Late start. Comes from 9065 kHz	AM/RDFT	(AB)
HM01	11435	1-12	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	2-12	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	2-12	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11530	3-12	1700	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	4-12	1600	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	4-12	2100	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	4-12	2200	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	5-12	1600	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16160	5-12	2100	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	17480	5-12	2200	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL/Dan)
HM01	11435	6-12	1600	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11635	6-12	2100	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	6-12	2200	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11462	7-12	0900	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	7-12	1600	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16180	7-12	2100	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	17480	7-12	2200	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	8-12	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	9155	9-12	1000	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)

HM01	11435	9-12	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	10715	9-12	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11635	9-12	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	10-12	1600	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	10-12	1900	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	16180	10-12	2100	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	17480	10-12	2200	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11530	11-12	1700	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11530	12-12	1700	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16180	12-12	2100	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	9330	13-12	0800	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	13-12	1600	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	14-12	1600	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	15-12	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	16-12	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	17-12	1600	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11530	18-12	1700	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11530	19-12	1700	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	20-12	1600	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	21-12	1600	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	22-12	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	9155	23-12	1000	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	23-12	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	24-12	1630	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	25-12	1630	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	26-12	1600	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	27-12	1600	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	28-12	1630	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16180	28-12	2100	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	17480	28-12	2200	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	29-12	1630	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	29-12	2100	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	29-12	2200	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	9240	30-12	0900	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	30-12	1630	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	30-12	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11462	31-12	0900	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	12180	31-12	1000	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	31-12	1600	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11462	28-12	0900	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	M/RDFT	(RL)

A							
HM01 A	12180	28-12	1000	sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	M/RDFT	(RL)
HM01 A	9240	29-12	0930	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	M/RDFT	(AB)
HM01 A	9155	29-12	1000	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	M/RDFT	(AB)
M01	5465	1-12	0700	Sun	197 431 431 = 30 30 = = 28167 55686 63383 ... 95831 96576 74713 = = 431 431 = 30 30 000	CW	(AB)
M01	5320	3-12	1800	Tue	197 747 747 30 30 = = 71894 26293 57635 ... 81841 88438 21179 = = 747 747 4 30 30 000	CW	(AB/MPJ-HOL)
M01	4490	3-12	2000	Tue	197 90. 90. 20 20 = = 61720 6172093791 93791 ... 37185 37 20899 20899 = = 901 901 30 30 000	CW	(AB)
M01	5320	5-12	1800	Thu	197 328 328 30 30 = = 78321 50640 24909 ... 20998 41665 64290 = = = 328 328 30 30 000	CW	(AB)
M01	4490	5-12	2000	Thu	197 753 753 30 30 = = 98543 45242 (54242) ... 99040 35320 93459 = = 753 753 30 30 000	CW	(AB/MPJ)
M01	5810	7-12	1500	sat	197 564 564 30 30 85440 80857 08174 ... 20477 63525 16002 = = 564 564 30 30 000	CW	(AB/MPJ)
M01	5465	8-12	0700	Sun	197 291 291 30 30 = = 26035 01210 64644 ... 83630 84700 96200 = = 291 291 30 30 000	CW	(AB)
M01	5320	10-12	1800	Tue	197 103 103 = 30 30 = = 79643 25718 84329 ... 04231 65547 75505 = = 103 103 = 30 30 000	CW	(AB-POL/MPJ)
M01	4490	10-12	2000	Tue	197 273 273 = 30 30 = = 70354 29318 70551 ... 39692 83304 29008 = = 273 273 = 30 30 000	CW	(MPJ)
M01	5320	12-12	1800	Thu	197 ... too weak to copy	CW	(AB)
M01	4490	12-12	2000	Thu	197 658 658 30 30 = = 65563 94037 44898 ... 21290 99011 71042 = = 658 658 30 30 000	CW	(AB)
M01	5810	14-12	1500	sat	197 107 107 = 30 30 = = 12444 63965 33158 ... 51260 92703 04039 = = 107 107 = 30 30 00000	CW	(AB/FT)
M01	5465	15-12	0700	Sun	197 277 277 30 30 = = 66963 47981 42241 ... 79251 07567 62674 = = 277 277 30 30 000	CW	(AB)
M01	4490	17-12	2000	Tue	197 654 654 30 30 = = 70354 29318 70551 ... 39692 83304 29008 = = 654 654 30 30 000	CW	(AB)
M01	5320	19-12	1800	Thu	197 381 38. 30 (fading) = = 20731 70294 53.52 ... 66316 88689 84074 = = 381 381 30 30 000	CW	(MPJ)
M01	4490	19-12	2000	Thu	197 054 354 30 30 = = 41459 17366 46685 ... 76019 35958 26159 = = 354 354 30 30 000	CW	(AB)
M01	5810	21-12	1503	sat	197 (pause) 845 845 30 30 = = 75987 62670 03923 ... 41480 09759 63089 = = 845 845 30 30 000	CW	(MPJ)
M01	5465	22-12	0700	Sun	197 431 431 30 30 = = 74410 92475 51694 ... 67261 83774 19384 = = 431 431 30 30 000	CW	(AB)
M01	5320	24-12	1800	Tue	197 735 735 = 30 30 = = 54034 43307 63218 ... 09595 27233 39430 = = 735 735 = 30 30 000	CW	(AB/MPJ)
M01	4490	24-12	2000	Tue	197 233 233 30 30 = = 63144 22844 28674 ... 89083 97011 53610 = = 233 233 30 30 000	CW	(AB)
M01	4490	26-12	2000	Thu	197 279 279 30 30 = = 55323 76806 68657 ... 50047 15113 85455 = = 279 279 30 30 000	CW	(AB)
M01	5810	28-12	1503	sat	197 195 195 = 30 30 = = 55808 63599 77890 ... 96315 83908 03266 = = 195 195 = 30 30 000	CW	(MPJ)
M01	5465	29-12	0700	Sun	197 237 237 30 30 = = 87799 02567 05468 ... 28397 02524 76763 = = 237 237 30 30 000	CW	(AB)
M01	4490	31-12	2000	Tue	197 977 977 = 30 30 = = 67595 93592 36736 ... 08366 47123 28954 = = 977 977 = 30 30 000	CW	(AB)
M01a	4591	4-12	0806	Wed	517 517 517 63093 63093 517 517 517 63373 63373 333 00 333 00	CW	(F5JBR)
M01a	4641	4-12	0823	Wed	333 04110 333 111 = 85214 09840 63516 = 111 000	CW	(F5JBR)
M01a	4641	4-12	1415	Wed	333 57174 57174 333 57501 57501 333 55130 55130 333 55061 55061 111 000	CW	(F5JBR)
M01a	5759	18-12	1005	Wed	104 104 104 28957 28957 104 104 104 27447 27447 104 104 104 28672 28672 104 104 104 28197 28197 104 104 104 29669 29669 104 104 104 000	CW	(Gwr)
M01a	5337	20-12	1200	Fri	823 823 823 20407 20407 823 823 823 20049 20049	CW	(Gwr)
M01b	2435	2-12	1910	Mon	853 361 361 31 31 = = 14665 94079 96528 ... 84115 22467 84452 = = 361 361 31 31 000 //3520 kHz	MCW	(AB/MPJ)
M01b	3520	2-12	1910	Mon	853 361 361 31 31 = = 14665 94079 96528 ... 84115 22467 84452 = = 361 361 31 31 000 //2435	MCW	(AB/MPJ)

					kHz		
M01b	2425	2-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3205 kHz	MCW	(AB/MPJ)
M01b	3205	2-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2425 kHz	MCW	(AB/MPJ)
M01b	2470	5-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3545 kHz	MCW	(MPJ)
M01b	3545	5-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2470 kHz	MCW	(MPJ)
M01b	2485	5-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3160 kHz	MCW	(MPJ)
M01b	3160	5-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2485 kHz	MCW	(MPJ)
M01b	2655	6-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3195 kHz	MCW	(AB)
M01b	3195	6-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2655 kHz	MCW	(AB)
M01b	2405	6-12	2110	Fri	610 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3180 kHz	MCW	(AB)
M01b	3180	6-12	2110	Fri	610 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2405 kHz	MCW	(AB)
M01b	2435	9-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3520 kHz	MCW	(AB)
M01b	3520	9-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2435 kHz	MCW	(AB)
M01b	2425	9-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3205 kHz	MCW	(AB)
M01b	3205	9-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2425 kHz	MCW	(AB)
M01b	2470	12-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3545	12-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2470 kHz	MCW	(AB/MPJ)
M01b	2485	12-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3160 kHz	MCW	(AB)
M01b	3160	12-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2485 kHz	MCW	(AB)
M01b	2655	13-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3195 kHz	MCW	(AB)
M01b	3195	13-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2655 kHz	MCW	(AB)

					kHz		
M01b	2405	13-12	2110	Fri	610 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3180 kHz	MCW	(AB)
M01b	3180	13-12	2110	Fri	610 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2405 kHz	MCW	(AB)
M01b	2435	16-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3520 kHz	MCW	(AB/MPJ)
M01b	3520	16-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2435 kHz	MCW	(AB/MPJ)
M01b	2425	16-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3205 kHz	MCW	(AB)
M01b	3205	16-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2425 kHz	MCW	(AB)
M01b	2470	19-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3545 kHz	MCW	(AB)
M01b	3545	19-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2470 kHz	MCW	(AB)
M01b	2485	19-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3160 kHz	MCW	(AB)
M01b	3160	19-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2485 kHz	MCW	(AB)
M01b	2655	20-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3195 kHz	MCW	(AB)
M01b	3195	20-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2655 kHz	MCW	(AB)
M01b	2405	20-12	2110	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3180 kHz. Wrong id	MCW	(AB)
M01b	3180	20-12	2110	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2405 kHz. Wrong id	MCW	(AB)
M01b	2435	23-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3520 kHz	MCW	(AB/MPJ)
M01b	3520	23-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2435 kHz	MCW	(AB/MPJ)
M01b	2425	23-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3205 kHz	MCW	(AB)
M01b	3205	23-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2425 kHz	MCW	(AB)
M01b	2470	26-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3545 kHz	MCW	(AB)
M01b	3545	26-12	1932	Thu	910 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2470	MCW	(AB)

					kHz		
M01b	2485	26-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3160 kHz	MCW	(AB)
M01b	3160	26-12	2040	Thu	382 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2485 kHz	MCW	(AB)
M01b	2655	27-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3195 kHz	MCW	(AB)
M01b	3195	27-12	2002	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2655 kHz	MCW	(AB)
M01b	2405	27-12	2110	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3180 kHz. Wrong id	MCW	(AB)
M01b	3180	27-12	2110	Fri	866 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2405 kHz. Wrong id	MCW	(AB)
M01b	2435	30-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3520 kHz	MCW	(MPJ)
M01b	3520	30-12	1910	Mon	853 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2435 kHz	MCW	(MPJ)
M01b	2425	30-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //3205 kHz	MCW	(AB)
M01b	3205	30-12	2015	Mon	375 361 361 31 31 == 14665 94079 96528 ... 84115 22467 84452 == 361 361 31 31 000 //2425 kHz	MCW	(AB)
M12	13371	2-12	1400	Mon	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ/HFD)
M12	11571	2-12	1420	Mon	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ/HFD)
M12	10271	2-12	1440	Mon	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ/HFD)
M12	8047	2-12	1800	Mon	463 463 463 1 3527 95 3527 95 67886 80477 84538 ... 57650 93121 33624 000 000	CW	(AB/MPJ)
M12	6802	2-12	1820	Mon	463 463 463 1 3527 95 3527 95 67886 80477 84538 ... 57650 93121 33624 000 000	CW	(AB/MPJ)
M12	5788	2-12	1840	Mon	463 463 463 1 3527 95 3527 95 67886 80477 84538 ... 57650 93121 33624 000 000	CW	(AB/MPJ)
M12	6937	2-12	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	2-12	2230	Mon	975 975 975 000	CW	(AB)
M12	9317	3-12	0530	Tue	135 135 135 1 4067 110 4067 110 99762 61728 85774 ... 74431 26925 43546 000 000	CW	(AB)
M12	10484	3-12	0550	Tue	135 135 135 1 4067 110 4067 110 99762 61728 85774 ... 74431 26925 43546 000 000	CW	(AB)
M12	6938	3-12	0600	Tue	972 972 972 000	CW	(AB)
M12	11552	3-12	0610	Tue	135 135 135 1 4067 110 4067 110 99762 61728 85774 ... 74431 26925 43546 000 000	CW	(AB)
M12	7738	3-12	0620	Tue	972 972 972 000	CW	(AB)
M12	12217	4-12	1310	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	11517	4-12	1330	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	10317	4-12	1350	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	13371	4-12	1400	Wed	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ)
M12	11571	4-12	1420	Wed	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ)
M12	10271	4-12	1440	Wed	352 352 352 1 1125 119 1125 119 89117 59965 21868 ... 13137 24587 40133 000 000	CW	(AB/MPJ)

M12	12162	4-12	1710	Wed	546 546 546 1 6840 106 6840 106 54701 19735 06094 ... 22058 77438 95335 000 000	CW	(AB/MPJ)
M12	11566	4-12	1730	Wed	546 546 546 1 6840 106 6840 106 54701 19735 06094 ... 22058 77438 95335 000 000	CW	(AB/MPJ)
M12	10711	4-12	1750	Wed	546 546 546 1 6840 106 6840 106 54701 19735 06094 ... 22058 77438 95335 000 000	CW	(AB/MPJ)
M12	5808	4-12	2110	Wed	985 985 985 000	CW	(AB/RL)
M12	4508	4-12	2130	Wed	985 985 985 000	CW	(AB/RL)
M12	12162	5-12	1700	Thu	546 1 2260 113 23729 71959 25889 ... 28318 40127 48508 000 000	CW	(MPJ-FIN)
M12	11566	5-12	1720	Thu	546 1 2260 113 23729 71959 25889 ... 28318 40127 48508 000 000	CW	(MPJ-FIN)
M12	10711	5-12	1740	Thu	546 1 2260 113 23729 71959 25889 ... 28318 40127 48508 000 000	CW	(MPJ-FIN)
M12	10711	5-12	1840	Thu	546 1 7240 (7140) 107 12722 89264 64_24 ... 31022 10758 00038 000 000	CW	(MPJ)
M12	6937	5-12	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	5737	5-12	2230	Thu	975 975 975 000	CW	(AB/RL)
M12	12217	6-12	1310	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	11517	6-12	1330	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	10317	6-12	1350	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ)
M12	6908	6-12	2050	Fri	985 985 985 000	CW	(AB/RL)
M12	5808	6-12	2110	Fri	985 985 985 000	CW	(AB/RL)
M12	5832	6-12	2200	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(RL)
M12	6832	6-12	2220	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(RL)
M12	7732	6-12	2240	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(RL)
M12	8047	7-12	2000	sat	463 1 2383 94 34294 36504 08444 ... 09465 26153 66537 000 000	CW	(MPJ)
M12	6802	7-12	2020	sat	463 1 2383 94 34294 36504 08444 ... 09465 26153 66537 000 000. Stopped and restarted at 2022 UTC	CW	(MPJ)
M12	7732	7-12	2240	sat	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(RL)
M12	6938	8-12	0600	Sun	972 972 972 000	CW	(AB)
M12	7738	8-12	0620	Sun	972 972 972 000	CW	(AB)
M12	13371	9-12	1400	Mon	352 352 352 000	CW	(AB)
M12	11571	9-12	1420	Mon	352 352 352 000	CW	(AB)
M12	8047	9-12	1800	Mon	463 463 463 1 3036 94 3036 94 25026 33238 34537 ... 39554 48316 67867 000 000	CW	(AB)
M12	6802	9-12	1820	Mon	463 463 463 1 3036 94 3036 94 25026 33238 34537 ... 39554 48316 67867 000 000	CW	(AB)
M12	5788	9-12	1840	Mon	463 463 463 1 3036 94 3036 94 25026 33238 34537 ... 39554 48316 67867 000 000	CW	(AB)
M12	6937	9-12	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	9-12	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	9317	10-12	0530	Tue	135 135 135 1 2475 112 2475 112 34995 35565 14299 ... 75165 10291 65890 000 000	CW	(AB)
M12	10484	10-12	0550	Tue	135 135 135 1 2475 112 2475 112 34995 35565 14299 ... 75165 10291 65890 000 000	CW	(AB)
M12	6938	10-12	0600	Tue	972 972 972 000	CW	(AB)
M12	11552	10-12	0610	Tue	135 135 135 1 2475 112 2475 112 34995 35565 14299 ... 75165 10291 65890 000 000	CW	(AB)

M12	7738	10-12	0620	Tue	972 972 972 000	CW	(AB)
M12	11435	10-12	1800	Tue	938 938 938 1 ...	CW	(HFD)
M12	10598	10-12	1820	Tue	938 938 938 1 ...	CW	(HFD)
M12	9327	10-12	1840	Tue	938 938 938 1 ...	CW	(HFD)
M12	12217	11-12	1310	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ/HFD)
M12	11517	11-12	1330	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ/HFD)
M12	10317	11-12	1350	Wed	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB/MPJ/HFD)
M12	13371	11-12	1400	Wed	352 352 352 000	CW	(AB/MPJ)
M12	11571	11-12	1420	Wed	352 352 352 000 Stutters and sops after a minute	CW	(AB/MPJ)
M12	12162	11-12	1710	Wed	546 546 546 1 4987 104 4987 104 60357 10090 31641 ... 57879 13237 78306 000 000	CW	(AB/MPJ-POL)
M12	11566	11-12	1730	Wed	546 546 546 1 4987 104 4987 104 60357 10090 31641 ... 57879 13237 78306 000 000	CW	(AB/MPJ-POL)
M12	10711	11-12	1750	Wed	546 546 546 1 4987 104 4987 104 60357 10090 31641 ... 57879 13237 78306 000 000	CW	(AB/MPJ-POL)
M12	5808	11-12	2110	Wed	985 985 985 000	CW	(AB)
M12	4508	11-12	2130	Wed	985 985 985 000	CW	(AB)
M12	9379	12-12	0110	Thu	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	8179	12-12	0130	Thu	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	7479	12-12	0150	Thu	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	12162	12-12	1700	Thu	546 546 546 1 2656 112 2656 112 94505 24645 24890 ... 15052 24937 29252 000 000	CW	(AB-FIN/MPJ)
M12	11566	12-12	1720	Thu	546 546 546 1 2656 112 2656 112 94505 24645 24890 ... 15052 24937 29252 000 000	CW	(AB-FIN/MPJ)
M12	10711	12-12	1740	Thu	546 546 546 1 2656 112 2656 112 94505 24645 24890 ... 15052 24937 29252 000 000	CW	(AB-POL/MPJ)
M12	12162	12-12	1800	Thu	546 546 546 1 2355 107 2355 107 99355 27368 14700 ... 17296 73973 84485 000 000	CW	(AB-FIN/MPJ)
M12	11566	12-12	1820	Thu	546 546 546 1 2355 107 2355 107 99355 27368 14700 ... 17296 73973 84485 000 000	CW	(AB-FIN/MPJ)
M12	10711	12-12	1840	Thu	546 546 546 1 2355 107 2355 107 99355 27368 14700 ... 17296 73973 84485 000 000	CW	(AB-POL/MPJ)
M12	14377	12-12	2000	Thu	317 317 317 1 9139 101 9139 101 44849 65397 65064 ... 30635 44465 51382 000 000	CW	(AB-FIN)
M12	13461	12-12	2020	Thu	317 317 317 1 9139 101 9139 101 44849 65397 65064 ... 30635 44465 51382 000 000	CW	(AB-FIN)
M12	12114	12-12	2040	Thu	317 317 317 1 9139 101 9139 101 44849 65397 65064 ... 30635 44465 51382 000 000	CW	(AB-FIN)
M12	6937	12-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	12-12	2230	Thu	975 975 975 000	CW	(AB)
M12	12217	13-12	1310	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB)
M12	11517	13-12	1330	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB)
M12	10317	13-12	1350	Fri	253 253 253 1 5181 180 5181 180 85982 72534 82145 ... 48403 74841 25859 000 000	CW	(AB)
M12	6908	13-12	2050	Fri	985 985 985 000	CW	(AB/HFD)
M12	5808	13-12	2110	Fri	985 985 985 000	CW	(AB/HFD)
M12	5832	13-12	2200	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(AB/HFD)
M12	6832	13-12	2220	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(AB/HFD)
M12	7732	13-12	2240	Fri	887 887 887 1 2535 86 2535 86 62344 51698 23496 40334 01509 ... 97677 93800 49819 87015 24213 000 000	CW	(AB/HFD)
M12	8047	14-12	2000	sat	463 463 463 1 1045 93 1045 93 65175 78531 15077 ... 43462 30036 47947 000 000	CW	(AB/MPJ)

M12	6802	14-12	2020	sat	463 463 463 1 1045 93 1045 93 65175 78531 15077 ... 43462 30036 47947 000 000	CW	(MPJ)
M12	5788	14-12	2040	sat	463 463 463 1 1045 93 1045 93 65175 78531 15077 ... 43462 30036 47947 000 000	CW	(AB/MPJ)
M12	5832	14-12	2200	sat	887 887 887 1 2535 86 2535 86 62344 51698 23496 ... 49819 87015 24213 000 000	CW	(AB)
M12	6832	14-12	2220	sat	887 887 887 1 2535 86 2535 86 62344 51698 23496 ... 49819 87015 24213 000 000	CW	(AB)
M12	7732	14-12	2240	sat	887 887 887 1 2535 86 2535 86 62344 51698 23496 ... 49819 87015 24213 000 000	CW	(AB)
M12	9379	15-12	0110	Sun	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	8179	15-12	0130	Sun	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	7479	15-12	0150	Sun	314 314 314 1 5780 88 5780 88 77243 72308 11081 ... 66191 80068 04773 000 000	CW	(AB)
M12	6938	15-12	0600	Sun	972 972 972 000	CW	(AB)
M12	7738	15-12	0620	Sun	972 972 972 000	CW	(AB)
M12	16234	15-12	0800	Sun	242 242 242 000	CW	(AB)
M12	16434	15-12	0820	Sun	242 242 242 000	CW	(AB)
M12	13371	16-12	1400	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	11571	16-12	1420	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	10271	16-12	1440	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	8047	16-12	1800	Mon	463 463 463 1 6576 93 6576 93 78596 54565 33611 ... 17765 93097 48932 000 000	CW	(AB/MPJ)
M12	6802	16-12	1820	Mon	463 463 463 1 6576 93 6576 93 78596 54565 33611 ... 17765 93097 48932 000 000	CW	(AB/MPJ)
M12	5788	16-12	1840	Mon	463 463 463 1 6576 93 6576 93 78596 54565 33611 ... 17765 93097 48932 000 000	CW	(AB/MPJ)
M12	6937	16-12	2210	Mon	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	5737	16-12	2230	Mon	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	4537	16-12	2250	Mon	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	9317	17-12	0530	Tue	135 135 135 1 5417 105 5417 105 28127 14067 97049 ... 66948 04519 41493 000 000	CW	(AB)
M12	10484	17-12	0550	Tue	135 135 135 1 5417 105 5417 105 28127 14067 97049 ... 66948 04519 41493 000 000	CW	(AB)
M12	6938	17-12	0600	Tue	972 972 972 000	CW	(AB)
M12	11552	17-12	0610	Tue	135 135 135 1 5417 105 5417 105 28127 14067 97049 ... 66948 04519 41493 000 000	CW	(AB)
M12	7738	17-12	0620	Tue	972 972 972 000	CW	(AB)
M12	12217	18-12	1310	Wed	253 253 253 000	CW	(AB)
M12	11517	18-12	1330	Wed	253 253 253 000	CW	(AB)
M12	13371	18-12	1400	Wed	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	11571	18-12	1420	Wed	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	10271	18-12	1440	Wed	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB)
M12	12162	18-12	1710	Wed	546 546 546 1 1843 111 1843 111 84520 82873 49297 ... 71184 98808 80292 000 000	CW	(AB-RUS/MPJ)
M12	11566	18-12	1730	Wed	546 546 546 1 1843 111 1843 111 84520 82873 49297 ... 71184 98808 80292 000 000	CW	(AB-RUS/MPJ)
M12	10711	18-12	1750	Wed	546 546 546 1 1843 111 1843 111 84520 82873 49297 ... 71184 98808 80292 000 000	CW	(AB-RUS/MPJ)
M12	6908	18-12	2050	Wed	985 985 985 000	CW	(AB)
M12	5808	18-12	2110	Wed	985 985 985 000	CW	(AB)
M12	12162	19-12	1700	Thu	546 546 546 1 3011 106 3011 106 47613 32077 01847 ... 17254 28086 45641	CW	(AB-RUS/MPJ)
M12	11566	19-12	1720	Thu	546 546 546 1 3011 106 3011 106 47613 32077 01847 ... 17254 28086 45641	CW	(AB-RUS/MPJ)
M12	10711	19-12	1740	Thu	546 546 546 1 3011 106 3011 106 47613 32077 01847 ... 17254 28086 45641	CW	(AB-RUS/MPJ)
M12	14377	19-12	2000	Thu	317 317 317 8110 8510 110 87311 55441 58306 ... 96099 43029 16110 000 000	CW	(AB-FIN)

M12	13461	19-12	2020	Thu	317 317 317 8110 8510 110 87311 55441 58306 ... 96099 43029 16110 000 000	CW	(AB-FIN)
M12	12114	19-12	2040	Thu	317 317 317 8110 8510 110 87311 55441 58306 ... 96099 43029 16110 000 000	CW	(AB-FIN)
M12	6937	19-12	2210	Thu	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	5737	19-12	2230	Thu	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	4537	19-12	2250	Thu	975 975 975 1 6424 75 6424 75 10230 19157 10143 ... 85097 52281 50920 000 000	CW	(AB)
M12	12217	20-12	1310	Fri	253 253 253 000	CW	(AB)
M12	11517	20-12	1330	Fri	253 253 253 000	CW	(AB)
M12	6908	20-12	2050	Fri	985 985 985 000	CW	(AB)
M12	5808	20-12	2110	Fri	985 985 985 000	CW	(AB)
M12	5832	20-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	20-12	2220	Fri	887 887 887 000	CW	(AB)
M12	8047	21-12	2000	sat	463 463 463 1 7304 98 50369 78867 98635 ... 23138 32331 57089 000 000	CW	(MPJ)
M12	6802	21-12	2020	sat	463 463 463 1 7304 98 50369 78867 98635 ... 23138 32331 57089 000 000	CW	(MPJ)
M12	5788	21-12	2040	sat	463 463 463 1 7304 98 50369 78867 98635 ... 23138 32331 57089 000 000	CW	(MPJ)
M12	5832	21-12	2200	sat	887 887 887 000	CW	(AB)
M12	6832	21-12	2220	sat	887 887 887 000	CW	(AB)
M12	6938	22-12	0600	Sun	972 972 972 000	CW	(AB)
M12	7738	22-12	0620	Sun	972 972 972 000	CW	(AB)
M12	16234	22-12	0800	Sun	242 242 242 000	CW	(AB)
M12	16434	22-12	0820	Sun	242 242 242 000	CW	(AB)
M12	14947	23-12	0010	Mon	941 941 941 1 674 18 674 18 20486 16186 71621 ... 47491 91991 40828 000 000	CW	(Danix)
M12	13447	23-12	0030	Mon	941 941 941 1 674 18 674 18 20486 16186 71621 ... 47491 91991 40828 000 000	CW	(Danix)
M12	12147	23-12	0050	Mon	941 941 941 1 674 18 674 18 20486 16186 71621 ... 47491 91991 40828 000 000	CW	(Danix)
M12	13371	23-12	1400	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB/MPJ)
M12	11571	23-12	1420	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB/MPJ)
M12	10271	23-12	1440	Mon	352 352 352 1 431 199 431 199 04655 92015 61359 ... 17249 28934 84151 000 000	CW	(AB/MPJ)
M12	8047	23-12	1800	Mon	463 463 463 1 1951 98 1951 98 43985 41405 82992 ... 79013 59228 04572 000 000	CW	(AB-AUT)
M12	6802	23-12	1820	Mon	463 463 463 1 1951 98 1951 98 43985 41405 82992 ... 79013 59228 04572 000 000 stop/restart at 1822 UTC	CW	(AB-AUT)
M12	5788	23-12	1840	Mon	463 463 463 1 1951 98 1951 98 43985 41405 82992 ... 79013 59228 04572 000 000	CW	(AB)
M12	6937	23-12	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	23-12	2230	Mon	975 975 975 000	CW	(AB)
M12	9317	24-12	0530	Tue	135 135 135 1 3662 106 3662 106 65660 36269 20967 ... 66249 54547 33316 000 000	CW	(AB)
M12	10484	24-12	0550	Tue	135 135 135 1 3662 106 3662 106 65660 36269 20967 ... 66249 54547 33316 000 000	CW	(AB)
M12	6938	24-12	0600	Tue	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	11552	24-12	0610	Tue	135 135 135 1 3662 106 3662 106 65660 36269 20967 ... 66249 54547 33316 000 000	CW	(AB)
M12	7738	24-12	0620	Tue	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	9238	24-12	0640	Tue	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	16234	25-12	0800	Wed	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)
M12	17434	25-12	0820	Wed	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)

M12	18234	25-12	0840	Wed	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)
M12	12162	25-12	1710	Wed	546 546 1 ...	CW	(HFD)
M12	11566	25-12	1730	Wed	546 546 1 ...	CW	(HFD)
M12	10711	25-12	1750	Wed	546 546 1 ...	CW	(HFD)
M12	6908	25-12	2050	Wed	985 985 985 000	CW	(AB)
M12	5808	25-12	2110	Wed	985 985 985 000	CW	(AB)
M12	9379	26-12	0110	Thu	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB)
M12	8179	26-12	0130	Thu	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB)
M12	7479	26-12	0150	Thu	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB)
M12	12162	26-12	1700	Thu	546 546 546 1 3000 106 3000 106 54312 91471 75719 ... 34019 10050 19141 000 000	CW	(AB-POL)
M12	11566	26-12	1720	Thu	546 546 546 1 3000 106 3000 106 54312 91471 75719 ... 34019 10050 19141 000 000	CW	(AB-POL)
M12	10711	26-12	1740	Thu	546 546 546 1 3000 106 3000 106 54312 91471 75719 ... 34019 10050 19141 000 000	CW	(AB-POL)
M12	12162	26-12	1800	Thu	546 546 546 1 1989 111 1989 111 07665 73428 53508 ... 77715 40042 06498 000 000	CW	(AB-POL)
M12	11566	26-12	1820	Thu	546 546 546 1 1989 111 1989 111 07665 73428 53508 ... 77715 40042 06498 000 000	CW	(AB-POL)
M12	10711	26-12	1840	Thu	546 546 546 1 1989 111 1989 111 07665 73428 53508 ... 77715 40042 06498 000 000	CW	(AB-POL)
M12	14377	26-12	2000	Thu	317 317 317 1 ...	CW	(HFD)
M12	13461	26-12	2020	Thu	317 317 317 1 ...	CW	(HFD)
M12	12114	26-12	2040	Thu	317 317 317 1 ...	CW	(HFD)
M12	6937	26-12	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	26-12	2230	Thu	975 975 975 000	CW	(AB)
M12	12217	27-12	1310	Fri	253 253 253 000	CW	(AB)
M12	11517	27-12	1330	Fri	253 253 253 000	CW	(AB)
M12	6908	27-12	2050	Fri	985 985 985 000	CW	(AB)
M12	5808	27-12	2110	Fri	985 985 985 000	CW	(AB)
M12	5832	27-12	2200	Fri	887 887 887 000	CW	(AB)
M12	6832	27-12	2220	Fri	887 887 887 000	CW	(AB)
M12	5832	28-12	2200	sat	887 887 887 000	CW	(AB/RL)
M12	6832	28-12	2220	sat	887 887 887 000	CW	(AB/RL)
M12	9379	29-12	0110	Sun	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB/RL)
M12	8179	29-12	0130	Sun	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB/RL)
M12	7479	29-12	0150	Sun	314 314 314 1 6848 56 6848 56 51403 76755 70402 ... 52093 47311 57321 000 000	CW	(AB/RL)
M12	6938	29-12	0600	Sun	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	7738	29-12	0620	Sun	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	9238	29-12	0640	Sun	972 972 972 1 8625 64 8625 64 78743 20091 06948 ... 02611 67461 55170 000 000	CW	(AB)
M12	16234	29-12	0800	Sun	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)
M12	16434	29-12	0820	Sun	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)
M12	18234	29-12	0840	Sun	242 242 242 1 7272 74 7272 74 56655 29852 34273 ... 49060 53981 49444 000 000	CW	(AB)
M12	13371	30-12	1400	Mon	352 352 352 000	CW	(MPJ)
M12	11571	30-12	1420	Mon	352 352 352 000	CW	(MPJ)
M12	8047	30-12	1800	Mon	463 463 463 1 7654 94 7654 94 18029 65767 67918 ... 40413 50284 84451 000 000	CW	(AB-RUS/MPJ)

M12	6802	30-12	1820	Mon	463 463 463 1 7654 94 7654 94 18029 65767 67918 ... 40413 50284 84451 000 000	CW	(AB-RUS/MPJ)
M12	5788	30-12	1840	Mon	463 463 463 1 7654 94 7654 94 18029 65767 67918 ... 40413 50284 84451 000 000	CW	(AB/MPJ)
M12	6937	30-12	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	30-12	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	6938	31-12	0600	Tue	972 972 972 000	CW	(AB/HFD)
M12	7738	31-12	0620	Tue	972 972 972 000	CW	(AB/HFD)
M14	4443	3-12	1600	Tue	239 239 239 00000	MCW	(AB)
M14	5420	4-12	1600	Wed	239 239 239 00000	CW	(AB/MPJ)
M14	4813	6-12	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4480	6-12	2000	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4730	7-12	0800	sat	8N8N .-... /==/=5VE 53VE == 144 144 30 30 == 40166 34098 20301 ... 62345 04814 19031 144 144 30 30 == (garbled id and no nulls at the end)	MCW	(AB)
M14	4650	7-12	0900	sat	144 144 30 30 == 40166 34098 20301 ... 62345 04814 19031 144 144 30 30 == (no id and no nulls at the end)	MCW	(AB)
M14	17458	10-12	0930	Tue	617 617 617 00000	CW	(AB)
M14	4636	10-12	1820	Tue	991 991 32 32 == 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 == 00000	MCW	(AB)
M14	4761	11-12	1920	Wed	748 748 748 00000 748 991 991 32 32 == 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 == 00000	MCW	(AB/MPJ)
M14	4730	14-12	0800	sat	523 991 991 32 32 == 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 == 00000	MCW	(AB)
M14	4650	14-12	0900	sat	523 991 991 32 32 == 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 == 00000	MCW	(AB)
M14	4443	17-12	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
M14	5420	18-12	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	4813	20-12	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4480	20-12	2000	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4730	21-12	0800	sat	523 998 998 32 32 48821 91877 47716 ... 42910 89120 49310 == 998 998 32 32 (no nulls at the end)	MCW	(AB)
M14	4730	21-12	0812	sat	Test: 949 93556 71576 42304 64931 89282 47332 51	MCW	(AB)
M14	4650	21-12	0900	sat	523 998 998 32 32 48821 91877 47716 ... 42910 89120 49310 == 998 998 32 32 00 00	MCW	(AB)
M14	4890	22-12	2300	Sun	617 999 999 32 32 == 98192 80182 48177 ... 46711 89342 16788 == 999 999 32 32 00000	MCW	(AB)
M14	4760	23-12	0000	Mon	617 999 999 32 32 == 98192 80182 48177 ... 46711 89342 16788 == 999 999 32 32 00000	MCW	(AB)
M14	4636	24-12	1820	Tue	186 136 136 32 32 == 19288 13779 26789 ... 30116 79941 27182 == 136 136 32 32 00000	MCW	(AB)
M14	17458	25-12	0930	Wed	617 617 617 00000	CW	(AB)
M14	4730	28-12	0800	sat	523 999 999 32 32 == 98192 80182 48177 ... 46711 89342 16788 == 999 999 32 32 00000	MCW	(AB)
M14	4650	28-12	0900	sat	523 999 999 32 32 == 98192 80182 48177 ... 46711 89342 16788 == 999 999 32 32 00000	MCW	(AB)
M14	4890	29-12	2300	Sun	617 ... too weak to copy	MCW	(AB)
M14	4760	30-12	0000	Mon	617 ... too weak to copy	MCW	(AB)
M21	4951.5	1-12	0349	Sun	=990653??0????? =990654??0????? =990655??0?????	CW	(F5JBR)
M21	3322	1-12	0359	Sun	=990703??0????? =990704??0????? =990705??0?????	CW	(F5JBR)
M21	4221	1-12	0450	Sun	=990754??0????? =990755??0????? =990756??0?????	CW	(F5JBR)
M21	5860.5	1-12	0457	Sun	=990801??0????? =990802??0????? =990803??0?????	CW	(F5JBR)

M21	4171	1-12	0510	Sun	=990810??8????? =990811??8????? =990812??8?????	CW	(F5JBR)
M21	4320.5	1-12	0538	Sun	=990838??8????? =990839??8????? =990840??8?????	CW	(F5JBR)
M21	8023	1-12	0804	Sun	=99?1103?9????? =99?1105?9????? =99?1107?9?????	CW	(F5JBR)
M21	7949.5	1-12	0815	Sun	=99?1115?9????? =99?1117?9????? =99?1119?9?????	CW	(F5JBR)
M21	5980.5	2-12	1300	Mon	=21876902050834 =11878735123100 =991602??8????? =21878902050834 =991603??8????? =11878735326202 =21876902040732 =11898735326902 =21878902040732	CW	(F5JBR)
M21	4865.5	2-12	1459	Mon	=991759??8????? =991800??8????? =991801??8?????	CW	(F5JBR)
M21	4951.5	12-12	1820	Thu	Russian Air Defense	CW	(ZL)
M21	4951.5	12-12	2101	Thu	=990002??0????? =990003??0????? =990004??0?????	CW	(AB)
M21	4349.5	20-12	0910	Fri	Russian Air Defense =991210??0????? =991211??0????? =991212??0?????	CW	(F5JBR)
M21	6791	22-12	0813	Sun	Russian Air Defense =991113??8????? =991114??8????? =991115??8?????	CW	(F5JBR)
M21	3285.5	22-12	0920	Sun	Russian Air Defense =99?1221?9????? =99?1223?9????? =99?1225?9?????	CW	(F5JBR)
M21	2801.5	22-12	0946	Sun	Russian Air Defense =991246??0????? =991247??0????? =991248??0?????	CW	(F5JBR)
M21	4171	26-12	1451	Thu	Russian Air Defense =991751??8????? =991752??8????? =991753??8?????	CW	(AB)
M32	4862	2-12	1245	Mon	XXX WEGI 85422 URONOLIK 0518 4717 K	CW	(F5JBR)
M32	5405	2-12	1400	Mon	XXX XXX WEGI WEGI 97150 STYKODOM 0191 9271 K	CW	(Gwr)
M32	3356.5	8-12	1631	Sun	XXX DMSB 20947 POLOKIT 2645 9396 K	CW	(F5JBR)
M32	3364	8-12	1632	Sun	XXX MFT5 78484 GRUZOSWET 1055 9843 K	CW	(F5JBR)
M32	4603	8-12	1646	Sun	XXX PRPN 57558 RUVEJNEW 1145 0522 K	CW	(F5JBR)
M32	3228.5	8-12	1654	Sun	XXX 6CJU 72070 KLENOMON– 7157 0564 K	CW	(F5JBR)
M32	7314	11-12	0826	Wed	XXX XXX 1QRF 1QRF 25825 SEJFOT/AT/A 8320 2678 K	CW	(JPL-RUS)
M32	5373	11-12	1157	Wed	XXX XXX ONG4 ONG4 92661 WISTOAOW 3202 5049 K	CW	(Gwr)
M32	5360	11-12	1209	Wed	XXX XXX M7A2 M7A2 68555 95802 TYaGOGYJ 7055 3945 K	FSK CW	(Gwr)
M32	5385	11-12	1227	Wed	XXX XXX WEGI WEGI 22563 SYNOHRYCh 5795 7841 K	CW	(Gwr)
M32	5373	11-12	1236	Wed	XXX XXX ONG4 ONG4 65175 BOBOBASH 4260 8768 K	CW	(Gwr)
M32a	5179	21-12	0910	sat	REO DE RMP QTC 940 68 .. 2006 940 = WSEM SUDAM DEJSTWUUQIE PRIP KALININGRAD N. 220000 DEC =	CW	(JPL-RUS)
M32b	8816	6-12	0650	Fri	Rus Naval Air RUS 0650 CW rjf94 rjc38 de 30681 qqm XLAA 0650 sk	CW	(WP3)
M32c	2737	8-12	1623	Sun	REA4: XXX 1QRF 76621 IONOGRAN 0255 4443 K	CW	(F5JBR)
M32c	4179	26-12	1442	Thu	REA4 i.p. 1897 60504 11082 21086 70222 86031 = REA4 K	CW	(AB)
M32c	4179	26-12	1740	Thu	REA4 REA4 = 26160 99900 25150 20069 98194 81203 10020 20017 71022 886 // 886 // = REA4 IIIII 866 // 902 // = REA4 K	CW	(AB)
M32c	4179	26-12	1940	Thu	REA4 REA4 = 26180 99900 25150 22212 90497 81002 11068 21082 21082 70232 885 // 911 // = REA4 K	CW	(AB)
M32c	4179	26-12	2040	Thu	REA4 REA4 = 26190 99900 25160 27627 80897 60403 11087 21116 70228 86036 // = REA4 K	CW	(AB)
M32c	4179	26-12	2140	Thu	REA4 REA4 = 26200 99900 25160 27627 80897 60403 11088 21116 70222 8603 // = REA4 K	CW	(AB)
M32c	4179	26-12	2140	Thu	REA4 REA4 = 26170 99900 25150 22212 90497 81002 11068 21082 70222 885 // 911 // REA4 K	CW	(AB)
M41	4842.2	6-12	1502	Fri	009601473148481001702 9600324083802 19096011704 9600324083104 338960005 9600939786606	CW	(F5JBR)
M41	4102.5	6-12	1527	Fri	VVV VVV VVV = 722 195 1740 6784296 13752110 2126 72219 5974101396841617221026 722195	CW	(F5JBR)

					9842673915212871150 27 7221959743677919612871160 27 AR		
M42	11527	2-12	0810	Mon	Russian diplo/intel.	MFSK-16/250Bd BPSK	(AB)
M42	12188	4-12	1220	Wed	Russian diplo/intel.	8x62.5Bd QPSK/250Bd BPSK	(AB)
M42	14628	11-12	1017	Wed	Russian diplo/intel.	MFSK	(AB)
M42b	4562	1-12	0342	Sun	7ZGR de PR6O QSY 14571	CW	(F5JBR)
M42b	4856	1-12	0632	Sun	MAST wkg VBTW	FSK 50/500	(F5JBR)
M42b	8041	2-12	1233	Mon	KE4T wkg L2RS	CW	(F5JBR)
M42b	8071	2-12	1238	Mon	KE4T wkg L2RS	CW	(F5JBR)
M42b	8101	2-12	1238	Mon	KE4T Wkg L2RS. Traffic in FSK 50/500	CW	(F5JBR)
M42b	7469	4-12	0930	Wed	K4MT wkg NT9P. Opchat in CW: QSA3 QSA? QTC1 followed by a testslip in FSK 50/500: RYRYRYRY-RYRYRYRYRYRYRYRY	CW/FSK 50/500	(AB)
M42b	4440	4-12	1527	Wed	ROP wkg UDM. QSX 3964 kHz	CW	(F5JBR)
M42b	13802	6-12	0836	Fri	XN6O wkg 3LSG. QSA NO QSY 29263	CW	(F5JBR)
M42b	5342	6-12	0902	Fri	P8RK de ZE4K QSA 4 K. QTC1 K. NIL SK. Message in FSK 50/500Hz	CW	(F5JBR)
M51a	6825	2-12	1229	Mon	VVV VVV VVV de FAV22 (x3) QLH 3881/6825 KHZ	CW	(F5JBR)
M51b	6825	2-12	2000	Mon	Non-stop 5-character groups composed of M51a messages	CW	(MPJ)
M51b	3881	9-12	1917	Mon	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	9-12	1917	Mon	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	11-12	1955	Wed	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	11-12	1955	Wed	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	17-12	1516	Tue	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	17-12	1516	Tue	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	23-12	1445	Mon	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	23-12	1445	Mon	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	25-12	1445	Wed	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	25-12	1445	Wed	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	5920	1-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	1-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	1-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	1-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	1-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 8360	CW	(JPL)
M89	6913	1-12	0927	Sun	V 3JWV (x3) DE QH4P (x2) //7319	CW	(JPL)
M89	7397	1-12	0927	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	7620	1-12	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	1-12	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3156	1-12	0936	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	1-12	0936	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5177	1-12	0955	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6554	1-12	1000	Sun	CQ (x3) DE DP91 (x2) V R R DLA I TLLL DLL TO //8228	CW	(JPL)

M89	8228	1-12	1000	Sun	V DP91 (x3) DE CQ (x2) //6554	CW	(JPL)
M89	3156	3-12	1314	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	3-12	1314	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4131	3-12	1315	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3831	4-12	1159	Wed	i.p. TNUA UT3D 3AU4 374D 33DT	CW	(JPL)
M89	3333	4-12	1201	Wed	i.p. /G4G8 AR K FFF NR 02/EX 0.. = 44= = A1D9/K7Y5 =	CW	(JPL)
M89	3345	4-12	1210	Wed	i.p. R RPT .. R QSL 1906 K R U MSG GA R FF NR 9466/C 2007 RMKS 8617 TO 8640 =	CW	(JPL)
M89	3299	4-12	1215	Wed	i.p. TDD5 343D 7U6A 6UN6	CW	(JPL)
M89	3232	4-12	1216	Wed	i.p. 54TD U75N UND3 TNU5	CW	(JPL)
M89	3209	4-12	1217	Wed	i.p. U6U7 T44N 75AU U465 UU5N	CW	(JPL)
M89	3850	4-12	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 and 6840	CW	(JPL)
M89	4620	4-12	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5920 and 6840	CW	(JPL)
M89	4860	4-12	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 5920 and 6840	CW	(JPL)
M89	5920	4-12	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 6840	CW	(JPL)
M89	6840	4-12	1220	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 5920	CW	(JPL)
M89	4306	4-12	1225	Wed	i.p. T6TU 5635 6NU5	CW	(JPL)
M89	4131	4-12	2023	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4720	4-12	2030	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K	CW	(JPL)
M89	3156	4-12	2034	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	4-12	2034	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	7620	5-12	0830	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	5-12	0830	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	6913	5-12	0833	Thu	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	5-12	0833	Thu	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5177	5-12	0839	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	5-12	0844	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	5-12	0844	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3684	5-12	1807	Thu	i.p. 00290 K R HR NIL SK R NIL SK VV SWXR DE Q1ZX K	CW	(JPL)
M89	4131	5-12	1817	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	11-12	0148	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6554	11-12	0203	Wed	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8228	CW	(JPL)
M89	8228	11-12	0203	Wed	V DP91 (x3) DE CQ (x2) NIL NIL SK GB HR NIL SK GB //6554	CW	(JPL)
M89	6913	11-12	0743	Wed	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	11-12	0743	Wed	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5858	11-12	0754	Wed	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5566	11-12	0802	Wed	(i.p. 7DNU 46U7 3U56 5UDA 36N4 ...	CW	(JPL)
M89	5177	11-12	0810	Wed	V JKDJ (x3) DE SLBC (x2) Note: Sending GKDJ vs JKDJ.	CW	(JPL)
M89	5070	11-12	0816	Wed	i.p. = 673U 565D UT37 4357 ...	CW	(JPL)
M89	4131	11-12	2033	Wed	V JKDJ (x3) DE SLBC (x2) Note: Sending GKDJ vs JKDJ.	CW	(JPL)
M89	3156	11-12	2041	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)

M89	3597	11-12	2041	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	11-12	2044	Wed	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4131	13-12	1311	Fri	V JKDJ (x3) DE SLBC (x2) Note: Sending GKDJ vs JKDJ.	CW	(JPL)
M89	4166	13-12	1313	Fri	i.p. UP SB WK K	CW	(JPL)
M89	4166	13-12	1313	Fri	Switched to voice. Chinese, male operator	CW	(JPL)
M89	3156	13-12	1319	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	13-12	1319	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3850	13-12	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 and 6840	CW	(JPL)
M89	4620	13-12	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5920 and 6840	CW	(JPL)
M89	4860	13-12	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 5920 and 6840	CW	(JPL)
M89	5920	13-12	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 6840	CW	(JPL)
M89	6840	13-12	1320	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 5920	CW	(JPL)
M89	4720	13-12	1330	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	13-12	1330	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3842	13-12	1333	Fri	V K9S3 (x3) DE Q5R2 (x2)	CW	(JPL)
M89	3350	13-12	1337	Fri	i.p. ND5D TDN6 U6T7 463U ...	CW	(JPL)
M89	9327	15-12	0234	Sun	i.p. R U KP HR K. VV ONQY DE MTJ K (Zero NQY) VV ONQY DE HMTJ K	CW	(JPL)
M89	8000	15-12	0241	Sun	i.p. DT36 53D7 AT46 NU54 ...	CW	(JPL)
M89	6913	15-12	0247	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	15-12	0247	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	6636	15-12	0254	Sun	i.p. TD55 4767 NN47 5AU6 ...	CW	(JPL)
M89	7512	15-12	0300	Sun	VVV DP3191 DP3191 DE DP91 DP91 CL K DP3191 QSA 3 NIL	CW	(JPL)
M89	6840	15-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 8360 and 10640	CW	(JPL)
M89	8290	15-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8360 and 10640	CW	(JPL)
M89	8360	15-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640	CW	(JPL)
M89	10640	15-12	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 83660	CW	(JPL)
M89	7620	15-12	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	15-12	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3156	15-12	0932	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	4654	15-12	0938	Sun	i.p. 6ADA 755U U36A U6UA D73T ... AR QSL ? K R RPT 3.W 3435 K R U 7G GA K	CW	(JPL)
M89	5177	15-12	0952	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6555	15-12	1000	Sun	DP91 (x3) DE CQ (x2) V HR NIL SK GB //8228	CW	(JPL)
M89	8228	15-12	1000	Sun	DP91 (x3) DE CQ (x2) V HR NIL SK GB //6555	CW	(JPL)
M89	3285	15-12	1013	Sun	i.p. UDA4 UT45 T5U6 UN47 T457 ... AR R QSL ?	CW	(JPL)
M89	4687	15-12	1013	Sun	i.p. 8267 = N RM EEEE RGA R = 4A6N 3UU4 A3TU TTA3 ...	CW	(JPL)
M89	4973	15-12	1013	Sun	i.p. = 03N6 3U4T D7UA 4D6N NUTA ...	CW	(JPL)
M89	3597	15-12	1535	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3121	15-12	1545	Sun	i.p. CMHR QSA 2 QSA ? K R QSA 2 IEC = 7282 AR K	CW	(JPL)
M89	5177	16-12	0829	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	16-12	0835	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)

M89	7397	16-12	0835	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5789	16-12	0838	Mon	i.p. R IEC = 9221 AR K R RPT K R IEC = 9221 AR K (Normally associated with Exercise) R RPT K	CW	(JPL)
M89	5858	16-12	0855	Mon	V K9S3 (x3) DE Q5R2 (x2) JPL MON	CW	(JPL)
M89	7512	16-12	1000	Mon	VVV DP3191 DE DP91 CL K DP3191 QSA 3 NIL SK GB VVV DP2291 DP2291 DE DP91 CL K DP2291 QSA 3 NIL SK GB	CW	(JPL)
M89	4131	16-12	1905	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	16-12	1909	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	16-12	1909	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3850	17-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	17-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	6860	17-12	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	3156	17-12	1127	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	17-12	1127	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4720	17-12	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	17-12	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	5177	17-12	1157	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4952	17-12	1159	Tue	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	6554	19-12	1000	Thu	CQ (x3) DE DP91 V (x2) V HR NIL SK GB //8228	CW	(JPL)
M89	8228	19-12	1000	Thu	CQ (x3) DE DP91 V (x2) V HR NIL SK GB //6554	CW	(JPL)
M89	7397	20-12	0757	Fri	8FDH de QH4P V //6913 kHz	CW	(F5JBR-J)
M89	3156	20-12	0915	Fri	8FDH de QH4P V //3597 kHz	CW	(F5JBR-J)
M89	4131	20-12	1257	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	20-12	1302	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	20-12	1302	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	7512	21-12	0908	Sat	DP3091 DE DP91 K N DP3091 Q42 NIL SK GB = N64U 6NT3 63DA 63 = NN4 = N64U 6NT3 63DA ...	CW	(JPL)
M89	7397	21-12	0938	Sat	V 3JWV (x3) DE QH4P (x2)	CW	(JPL)
M89	5177	21-12	0946	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6554	21-12	1000	Sat	CQ (x3) DE DP91 (x2) V //8228	CW	(JPL)
M89	8228	21-12	1000	Sat	V DP91 (x3) DE CQ (x2) V NIL SK GB //6554	CW	(JPL)
M89	4131	21-12	1856	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	21-12	1917	Sat	V 8FDH (x3) DE 5J9K (x2) Note: Sending 5V9K vice 5J9K.	CW	(JPL)
M89	3156	21-12	1919	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	21-12	1919	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3850	21-12	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	21-12	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	6840	21-12	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4720	21-12	1930	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	21-12	1930	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3156	22-12	0835	Sun	8FDH de QH4P V) //3597 //6913 //7397 kHz	CW	(F5JBR-J)
M89	7512	22-12	0908	Sun	i.p. E L3? 3? 3 DUT42291 DU6DUT49 VV DP2291 QSA 2 NIL SK GB VVV DP2391 DE DP91 CL K	CW	(JPL)

M89	6913	22-12	0911	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	22-12	0911	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5441	22-12	0917	Sun	i.p. = = DTCBR0/C.D1 AR = CBR0/CBDJ AR = = (CBR ZERO) CBR0/CBDJ AR = = CBR0/CBDJ AR K K	CW	(JPL)
M89	3850	22-12	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	22-12	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	6840	22-12	1720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4131	22-12	1722	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	22-12	1726	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-12	1726	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4720	22-12	1730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	22-12	1730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3842	22-12	1811	Sun	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3850	22-12	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	22-12	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	6840	22-12	1820	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4720	22-12	1830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	22-12	1830	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	6854	25-12	0711	Wed	DDG5 wkg GHN5: MSG NR 06/EX 15 14 RMKS 0327 TO 7824 = DKRT3/GSUW1 K	CW	(F5JBR-CHN)
M89	6571	25-12	0722	Wed	C5SV wkg O4ZK: MSG C5SV NR 7591 / EX 1520 RMKS 9871 TO 9848 = K2T3N A3D5C K and O4ZK NR 8944/EX 1522 RMKS 9848 TO 9871 = S2D3/E5L9 AR K =	CW	(F5JBR-CHN)
M89	10563	25-12	0738	Wed	3D1U de G25H V	CW	(F5JBR-CHN)
M89	6913	25-12	0752	Wed	8FDH de QH4P V	CW	(F5JBR-CHN)
M89	4911	25-12	0759	Wed	7UYR wkg 5DOM: MSG NR 084 CK 91 21 23 25 1500 RMKS TO 0285 = 64T7 6754 T703 à	CW	(F5JBR-CHN)
M89	4570	25-12	0822	Wed	AKD3 NR 1560/EX 1621 = A8D7/G2A2 AR VVV QSY TO NR 18 QSY TO NR 18	CW	(F5JBR-CHN)
M89	6638	25-12	0850	Wed	NB1T wkg 8FG2 XCXR 33RF	CW	(F5JBR-CHN)
M95	5801	1-12	0919	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-12	0919	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	3-12	1313	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	4-12	1142	Wed	BNGC DE XSV85 //8073	CW	(JPL)
M95	8073	4-12	1142	Wed	BNGC DE XSV85 //4364	CW	(JPL)
M95	4243	4-12	1150	Wed	i.p. 773 353 377 ... AR A HR MSG GA NR .. CK . 8 5 35 1204 1535 = ... TT4 3U6 3A4 TTU 773 ...	CW	(JPL)
M95	3642	4-12	2024	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	4-12	2024	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	5-12	0840	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-12	0840	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	5-12	1805	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	5-12	1805	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	11-12	0143	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	11-12	0143	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	11-12	0150	Wed	V DKG6 DE 3A7D HR SVC GA NR 031 0930 RMKS 2096 TO 2388 =	CW	(JPL)

					COMM/1000/XZ654/48/2905/2388 AR QSL ? HR WK NR 15 //10180		
M95	10180	11-12	0150	Wed	V DKG6 DE 3A7D HR SVC GA NR 031 0930 RMKS 2096 TO 2388 = COMM/1000/XZ654/48/2905/2388 AR QSL ? HR WK NR 15 //5801	CW	(JPL)
M95	3642	13-12	1335	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	13-12	1335	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	15-12	0223	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-12	0223	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	15-12	0947	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	15-12	0947	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	15-12	1143	Sun	BNGC DE XSV85 (// 8073	CW	(JPL)
M95	4243	15-12	1150	Sun	(VV HR MSG TO YR PSE CY NR 081 CK 35 35 1215 1520 = 5AA UTT TA5 3U6 3A4 ... //9054	CW	(JPL)
M95	9054	15-12	1150	Sun	(VV HR MSG TO YR PSE CY NR 081 CK 35 35 1215 1520 = 5AA UTT TA5 3U6 3A4 ... //4243	CW	(JPL)
M95	3642	15-12	1530	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	15-12	1530	Sun	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	5801	16-12	0808	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	16-12	0808	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5385	16-12	0818	Mon	i.p. VV R 7G GA NR 047/CCK CK 91 74 1216 1600 RMKS 6644 TO 6035 K	CW	(JPL)
M95	3642	16-12	1455	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	16-12	1455	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	17-12	1142	Tue	BNGC DE XSV85 HR MSGS GA PSE CY NR 1170 CK 374 35 1217 1714 = //8073	CW	(JPL)
M95	8073	17-12	1142	Tue	BNGC DE XSV85 HR MSGS GA PSE CY NR 1170 CK 374 35 1217 1714 = //4364	CW	(JPL)
M95	4243	17-12	1150	Tue	BNGC DE XSV85 VV HR 7G TO YR PSE CY NR 085 CK 51 35 1217 1504 =	CW	(JPL)
M95	3642	17-12	1200	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	17-12	1200	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	17-12	1647	Tue	i.p. 7NAU 3456 4NT5 AU6D UTAN ... AR QSL ? LL HR HR WK NR 35 V DKG6 DE 3A7D //7602	CW	(JPL)
M95	5801	19-12	1011	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	19-12	1011	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5198	20-12	0808	Fri	YGE2 wkg RH85 MSG NR 328/CCK 199 78 12 20 1300 RMKS = 1808 TO 1978 ...	CW	(F5JBR-J)
M95	5198	20-12	0834	Fri	VVV GD4W de IY2D MSG GA HW and NR 328/CCK 199 78 12 20 1300 RMKS 1808 TO 1978 ...	CW	(F5JBR-J)
M95	5198	20-12	0853	Fri	IU5T de GE5V VVV K HR MSG GA ? MSG NR 328/CCK CK 199 78 12 20 1300 RMKS = 1808 TO 1978 ...	CW	(F5JBR-J)
M95	5801	20-12	1225	Fri	i.p. NR 084/CCK CK 99 21 1220 2025 RMKS CQ = T55T T4.4 6D63 7UDN 74TU AD54 7743 ... AR HR WK NR 37 QSL ? V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-12	1225	Fri	i.p. NR 084/CCK CK 99 21 1220 2025 RMKS CQ = T55T T4.4 6D63 7UDN 74TU AD54 7743 ... AR HR WK NR 37 QSL ? V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4125	20-12	1242	Fri	VVV UISD (x3) DE CBFG (x2) HR MSG GA NR 052/CCK CK 31 54 EEEE VVV HR 7G GA	CW	(JPL)
M95	5801	21-12	0909	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	21-12	1853	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	5801	22-12	0855	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	22-12	0855	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M95	3642	22-12	1818	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	22-12	1818	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
MX	7508.7	21-12	2123	sat	Beacon D, Sevastopol	CW	(AB)
MX	7508.8	21-12	2123	sat	Beacon P, Kaliningrad	CW	(AB)
MX	7509.1	21-12	2123	sat	Beacon G	CW	(AB)
MX	5153.7	21-12	2125	sat	Beacon D, Sevastopol	CW	(AB)
MX	5154.1	21-12	2125	sat	Beacon G	CW	(AB)
MX	5154.4	21-12	2125	sat	Beacon M, Magadan	CW	(AB)
MX	4557.7	21-12	2128	sat	Beacon D, Sevastopol	CW	(AB)
MX	4558.1	21-12	2128	sat	Beacon G	CW	(AB)
MX	4577.8	21-12	2128	sat	Beacon P, Kaliningrad	CW	(AB)
MX	10871.7	22-12	1142	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10871.9	22-12	1142	Sun	Beacon S, Sevoromorsk	CW	(AB)
MX	10872.1	22-12	1142	Sun	Beacon A, Astrakhan	CW	(AB)
MX	13527.7	22-12	1142	Sun	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	22-12	1142	Sun	Beacon S, Sevoromorsk	CW	(AB)
MX	13528	22-12	1142	Sun	Beacon C, Moscow	CW	(AB)
MX	16331.7	22-12	1142	Sun	Beacon D, Sevastopol	CW	(AB)
MX	16331.9	22-12	1142	Sun	Beacon S, Sevoromorsk	CW	(AB)
MX	16332	22-12	1142	Sun	Beacon C, Moscow	CW	(AB)
MX	7508.8	23-12	1434	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	7509.1	23-12	1434	Mon	Beacon A, Astrakhan	CW	(AB)
MX	3657	31-12	1639	Tue	Beacon V	CW	(AB)
P03a	5371	1-12	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	1-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	1-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	1-12	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	1-12	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	1-12	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	1-12	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	1-12	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	2-12	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	2-12	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	4-12	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	4-12	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	6-12	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	6-12	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	6-12	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	6-12	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	7-12	0500	sat	Polish intel.	BPSK 62.5Bd	(AB)

P03a	5371	7-12	0505	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	7-12	1320	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	7-12	1325	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	7-12	1600	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	7-12	1605	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	8-12	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	8-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	8-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	8-12	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	8-12	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	8-12	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	8-12	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	8-12	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	8-12	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	8-12	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	9-12	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	9-12	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-12	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-12	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	11-12	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	11-12	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	11-12	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	11-12	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	13-12	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	13-12	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	13-12	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	13-12	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	13-12	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	13-12	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	14-12	0500	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	14-12	0505	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	14-12	1320	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	14-12	1325	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	14-12	1500	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	14-12	1505	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	14-12	1600	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	14-12	1605	sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	15-12	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	15-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	15-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)

P03a	5409	15-12	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	15-12	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	15-12	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	15-12	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	15-12	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	15-12	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	15-12	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	16-12	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	16-12	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	16-12	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	16-12	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	18-12	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4242	18-12	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	18-12	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	18-12	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5409	20-12	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	20-12	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	20-12	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	20-12	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	20-12	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	20-12	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	21-12	0500	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	21-12	0505	sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	22-12	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	22-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	22-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	22-12	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	22-12	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	22-12	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	23-12	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	23-12	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	23-12	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	23-12	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	27-12	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	27-12	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	27-12	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	27-12	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	27-12	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	27-12	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	28-12	1320	sat	Polish intel.	BPSK 62.5Bd	(MPJ)

P03a	4356	28-12	1325	sat	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	5409	29-12	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	29-12	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	29-12	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	29-12	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	29-12	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	29-12	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-12	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-12	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03b	4356	1-12	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	1-12	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	1-12	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	1-12	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	2-12	1120	Mon	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	9079	2-12	1125	Mon	Polish Intel.	QPSK 62.5Bd	(AB)
P03b	5779	4-12	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	4-12	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	6-12	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	6-12	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	7-12	0610	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	7-12	0615	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	8-12	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	8-12	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	8-12	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	8-12	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	11-12	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	11-12	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	11-12	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	11-12	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	13-12	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	13-12	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	14-12	0610	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	14-12	0615	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	15-12	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	15-12	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	15-12	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	15-12	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	18-12	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	18-12	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	18-12	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)

P03b	5779	18-12	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	20-12	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	20-12	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	21-12	0610	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	21-12	0615	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	22-12	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	22-12	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	22-12	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	22-12	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	28-12	0610	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	28-12	0615	sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	29-12	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	29-12	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	29-12	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	29-12	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03e	10800	1-12	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	1-12	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	1-12	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	1-12	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	3-12	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	3-12	1730	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	6-12	1440	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	6-12	1445	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	8-12	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	8-12	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	8-12	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	8-12	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	10-12	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	10-12	1730	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	13-12	1440	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	13-12	1445	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	15-12	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	15-12	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	15-12	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	15-12	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	17-12	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	17-12	1730	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	20-12	1440	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	20-12	1445	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	22-12	1440	Sun	Polish intel.	QPSK 100Bd	(MPJ)

P03e	10800	22-12	1445	Sun	Polish intel.	QPSK 100Bd	(MPJ)
P03e	5082	22-12	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	22-12	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	24-12	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	24-12	1730	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	27-12	1440	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	27-12	1445	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	29-12	1440	Sun	Polish intel.	QPSK 100Bd	(MPJ)
P03e	10800	29-12	1445	Sun	Polish intel.	QPSK 100Bd	(MPJ)
P03e	5082	29-12	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	29-12	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	31-12	1725	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	31-12	1730	Tue	Polish intel.	QPSK 100Bd	(AB)
P03f	6280	3-12	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	3-12	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	4-12	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	4-12	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	10-12	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	10-12	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	11-12	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	11-12	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	17-12	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	17-12	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	18-12	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	18-12	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	24-12	1100	Tue	Polish Intel.	QPSK 200Bd	(AB/MPJ)
P03f	6280	24-12	1105	Tue	Polish Intel.	QPSK 200Bd	(AB/MPJ)
P03f	6280	25-12	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	25-12	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	31-12	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	31-12	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03g	12153	2-12	0620	Mon	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	2-12	0625	Mon	Polish intel.	BPSK 50Bd	(AB)
P03h	9079	4-12	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	4-12	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	11-12	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	11-12	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	18-12	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	18-12	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	30-12	0530	Mon	Polish Intel.	BPSK 100Bd	(AB)

P03h	9079	30-12	0535	Mon	Polish Intel.	BPSK 100Bd	(AB)
Q26	4364	4-12	1136	Wed	BNGC DE XSV85 //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	4-12	1136	Wed	BNGC DE XSV85 //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8163	4-12	2336	Wed	Chinese military: DE CYGM QSA+	4+4 QPSK 75/3000 LSB	(DK8OK)
Q26	8163	5-12	0032	Thu	Chinese military: PYGM PYGM PYGM DE FPLG FPLG FPLG K	4+4 QPSK 75/3000 LSB	(DK8OK)
Q26	4243	15-12	1145	Sun	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	15-12	1145	Sun	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	17-12	1132	Tue	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	17-12	1132	Tue	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	17-12	1147	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL)
S06	7309	6-12	1900	Fri	627 627 627 00000	USB	(AB-RUS/MPJ)
S06	5091	6-12	2000	Fri	627 627 627 00000	USB	(AB)
S06	7309	20-12	1900	Fri	627 627 627 00000	USB	(AB-RUS/MPJ)
S06	5091	20-12	2000	Fri	627 627 627 00000	USB	(AB/MPJ)
S06s	13470	2-12	0630	Mon	462 805 7 91670 29257 69816 97314 15802 70076 29243 805 7 00000	USB	(AB-KWT)
S06s	16515	2-12	0640	Mon	462 805 7 91670 29257 69816 97314 15802 70076 29243 805 7 00000	USB	(AB-KWT)
S06s	8057	2-12	0830	Mon	764 239 5 69856 82541 98423 79033 15452 239 5 0000	USB	(AB-POL)
S06s	8530	2-12	0840	Mon	764 239 5 69856 82541 98423 79033 15452 239 5 0000	USB	(AB-POL)
S06s	14675	2-12	0900	Mon	232 468 5 19804 69845 22444 08373 98662 468 5 00000	USB	(AB-G)
S06s	12830	2-12	0910	Mon	232 468 5 19804 69845 22444 08373 98662 468 5 00000	USB	(AB-G)
S06s	8420	2-12	1300	Mon	149 270 5 76985 13766 95091 35527 04464 270 5 00000	USB	(AB/MPJ)
S06s	10635	2-12	1310	Mon	149 270 5 76985 13766 95091 35527 04464 270 5 00000	USB	(AB/MPJ)
S06s	16145	3-12	0600	Tue	438 579 6 02232 66286 90057 66740 28636 25349 579 6 00000	USB	(AB)
S06s	14240	3-12	0610	Tue	438 579 6 02232 66286 90057 66740 28636 25349 579 6 00000	USB	(AB)
S06s	5252	3-12	0700	Tue	452 937 6 40419 14663 65564 67269 74059 49847 937 6 0000. Should be on 5250 kHz	USB	(AB)
S06s	6320	3-12	0710	Tue	452 937 6 40419 14663 65564 67269 74059 49847 937 6 0000	USB	(AB)
S06s	7410	3-12	0730	Tue	427 530 6 69856 82541 98423 79033 15442 10002 530 6 00000	USB	(AB)
S06s	11532	3-12	0740	Tue	427 530 6 69856 82541 98423 79033 15442 10002 530 6 00000	USB	(AB)
S06s	11945	3-12	0800	Tue	127 534 6 47154 25660 69885 96882 30034 19804 534 6 00000	USB	(AB)
S06s	13195	3-12	0810	Tue	127 534 6 47154 25660 69885 96882 30034 19804 534 6 00000	USB	(AB)
S06s	6440	3-12	1000	Tue	427 918 5 08631 58082 36270 08989 92728 918 5 00000	USB	(AB)
S06s	5660	3-12	1010	Tue	427 918 5 08631 58082 36270 08989 92728 918 5 00000	USB	(AB)
S06s	5035	3-12	1100	Tue	265 409 7 20205 64336 95534 08445 87636 04475 31467 409 7 00000	USB	(AB-POL)
S06s	5975	3-12	1110	Tue	265 409 7 20205 64336 95534 08445 87636 04475 31467 409 7 00000	USB	(AB-POL)
S06s	6845	3-12	1500	Tue	914 203 6 07022 32734 34771 48591 47281 41127 203 6 00000	USB	(AB/MPJ)
S06s	9170	3-12	1510	Tue	914 203 6 07022 32734 34771 48591 47281 41127 203 6 00000	USB	(AB/MPJ)
S06s	7062	4-12	0830	Wed	464 531 7 10002 08973 41716 50801 40123 69856 82641 531 7 00000	USB	(AB)
S06s	11535	4-12	0830	Wed	172 460 5 07022 32734 34771 48591 87636 460 5 00000	USB	(AB)
S06s	10532	4-12	0840	Wed	464 531 7 10002 08973 41716 50801 40123 69856 82641 531 7 00000	USB	(AB)
S06s	11830	4-12	0840	Wed	172 460 5 07022 32734 34771 48591 87636 460 5 00000	USB	(AB)

S06s	12365	4-12	1000	Wed	276 439 5 69816 97314 15802 70076 29425 439 5 00000	USB	(AB)
S06s	14280	4-12	1010	Wed	276 439 5 69816 97314 15802 70076 29425 439 5 00000	USB	(AB)
S06s	8812	5-12	0930	Thu	698 210 5 04475 31467 53368 38168 97998 210 5 00000	USB	(AB-AUT)
S06s	9540	5-12	0940	Thu	698 210 5 04475 31467 53368 38168 97998 210 5 00000	USB	(AB)
S06s	12155	5-12	1200	Thu	175 208 6 87636 14475 31467 53368 83168 97998 208 6 00000	USB	(AB/MPJ)
S06s	10920	5-12	1210	Thu	175 208 6 87636 14475 31467 53368 83168 97998 208 6 00000	USB	(AB/MPJ)
S06s	11780	6-12	0630	Fri	156 908 7 48591 47281 84620 80171 58802 49062 16409 908 7 00000	USB	(AB-POL)
S06s	12570	6-12	0640	Fri	156 908 7 48591 47281 84620 80171 58802 49062 16409 908 7 00000	USB	(AB-POL)
S06s	5765	6-12	0900	Fri	239 480 5 73687 04565 39895 91670 29257 480 5 00000 Noisy transmitter	USB	(AB/ES)
S06s	6315	6-12	0910	Fri	239 480 5 73687 04565 39895 91670 29257 480 5 00000 Noisy transmitter	USB	(AB)
S06s	8680	7-12	0800	sat	132 846 5 73687 04565 39895 91670 29257 846 5 00000	USB	(AB)
S06s	8260	7-12	0810	sat	132 846 5 73687 04565 39895 91670 29257 846 5 00000	USB	(AB)
S06s	13470	9-12	0630	Mon	462 805 7 91670 29257 69816 97314 15802 70076 29243 805 7 00000	USB	(AB-KWT)
S06s	16515	9-12	0640	Mon	462 805 7 91670 29257 69816 97314 15802 70076 29243 805 7 00000	USB	(AB-KWT)
S06s	8057	9-12	0830	Mon	764 239 5 69856 82541 98423 79033 15452 239 5 0000	USB	(AB)
S06s	8530	9-12	0840	Mon	764 239 5 69856 82541 98423 79033 15452 239 5 0000	USB	(AB)
S06s	14675	9-12	0900	Mon	232 468 5 19804 69845 22444 08373 98662 468 5 00000	USB	(AB)
S06s	12830	9-12	0910	Mon	232 468 5 19804 69845 22444 08373 98662 468 5 00000	USB	(AB)
S06s	8420	9-12	1300	Mon	149 270 5 76985 13766 95091 35527 04464 270 5 00000	USB	(AB)
S06s	10635	9-12	1310	Mon	149 270 5 76985 13766 95091 35527 04464 270 5 00000	USB	(AB)
S06s	16145	10-12	0600	Tue	438 579 6 02232 66286 90057 66740 28636 25349 579 6 00000	USB	(AB-POL)
S06s	14240	10-12	0610	Tue	438 579 6 02232 66286 90057 66740 28636 25349 579 6 00000	USB	(AB-POL)
S06s	5252	10-12	0700	Tue	452 937 6 40419 14663 65564 67269 74059 49847 937 6 00000	USB	(AB)
S06s	6320	10-12	0710	Tue	452 937 6 40419 14663 65564 67269 74059 49847 937 6 00000	USB	(AB)
S06s	7410	10-12	0730	Tue	427 530 6 69856 82541 98423 79033 15442 10002 530 6 00000	USB	(AB)
S06s	11532	10-12	0740	Tue	427 530 6 69856 82541 98423 79033 15442 10002 530 6 00000	USB	(AB)
S06s	11945	10-12	0800	Tue	127 534 6 47154 25660 69885 96882 30034 19804 534 6 00000	USB	(AB)
S06s	13195	10-12	0810	Tue	127 534 6 47154 25660 69885 96882 30034 19804 534 6 00000	USB	(AB)
S06s	6440	10-12	1000	Tue	427 918 5 08631 58082 36270 08989 92728 918 5 00000	USB	(AB)
S06s	5660	10-12	1010	Tue	427 918 5 08631 58082 36270 08989 92728 918 5 00000	USB	(AB)
S06s	5035	10-12	1100	Tue	265 409 7 20205 64336 95534 08445 87636 04475 31467 409 7 00000	USB	(AB-POL)
S06s	5975	10-12	1110	Tue	265 409 7 20205 64336 95534 08445 87636 04475 31467 409 7 00000	USB	(AB-POL)
S06s	6845	10-12	1500	Tue	914 203 6 07022 32734 34771 48591 47281 41127 203 6 00000	USB	(AB/MPJ)
S06s	9170	10-12	1510	Tue	914 203 6 07022 32734 34771 48591 47281 41127 203 6 00000	USB	(AB/MPJ)
S06s	7062	11-12	0830	Wed	464 531 7 10002 08973 41716 50801 40123 69856 82641 531 7 00000	USB	(AB)
S06s	11535	11-12	0830	Wed	172 460 5 07022 32734 34771 48591 87636 460 5 00000 S06s on 7062 kHz in the background	USB	(AB)
S06s	10532	11-12	0840	Wed	464 531 7 10002 08973 41716 50801 40123 69856 82641 531 7 00000	USB	(AB)
S06s	11830	11-12	0840	Wed	172 460 5 07022 32734 34771 48591 87636 460 5 00000	USB	(AB)
S06s	12365	11-12	1000	Wed	276 439 5 69816 97314 15802 70076 29425 439 5 00000	USB	(AB)
S06s	14280	11-12	1010	Wed	276 439 5 69816 97314 15802 70076 29425 439 5 00000	USB	(AB)

S06s	8812	12-12	0930	Thu	698 210 5 04475 31467 53368 38168 97998 210 5 00000	USB	(AB)
S06s	9540	12-12	0940	Thu	698 210 5 04475 31467 53368 38168 97998 210 5 00000	USB	(AB)
S06s	12155	12-12	1200	Thu	175 208 6 87636 14475 31467 53368 83168 97998 208 6 00000	USB	(AB-KWT/MPJ)
S06s	10920	12-12	1210	Thu	175 208 6 87636 14475 31467 53368 83168 97998 208 6 00000	USB	(AB/MPJ)
S06s	11780	13-12	0630	Fri	156 908 7 48591 47281 84620 80171 58802 49062 16409 908 7 00000	USB	(AB-POL)
S06s	12570	13-12	0640	Fri	156 908 7 48591 47281 84620 80171 58802 49062 16409 908 7 00000	USB	(AB-POL)
S06s	5765	13-12	0900	Fri	239 480 5 73687 04565 39895 91670 29257 480 5 00000	USB	(AB)
S06s	6315	13-12	0910	Fri	239 480 5 73687 04565 39895 91670 29257 480 5 00000	USB	(AB)
S06s	13470	16-12	0630	Mon	462 859 7 33796 63919 92699 14600 74248 48754 65125 859 7 00000	USB	(AB-KWT)
S06s	16515	16-12	0640	Mon	462 859 7 33796 63919 92699 14600 74248 48754 65125 859 7 00000	USB	(AB-KWT)
S06s	8057	16-12	0830	Mon	764 293 5 04475 31467 53368 83168 97998 293 5 00000	USB	(AB)
S06s	8530	16-12	0840	Mon	764 293 5 04475 31467 53368 83168 97998 293 5 00000	USB	(AB)
S06s	14675	16-12	0900	Mon	232 486 5 10002 08894 65387 50801 40123 486 5 00000	USB	(AB-G)
S06s	12830	16-12	0910	Mon	232 486 5 10002 08894 65387 50801 40123 486 5 00000	USB	(AB)
S06s	8420	16-12	1300	Mon	149 236 5 28765 39827 09056 01465 39895 236 5 00000	USB	(AB/MPJ)
S06s	10635	16-12	1310	Mon	149 236 5 28765 39827 09056 01465 39895 236 5 00000	USB	(AB/MPJ)
S06s	16145	17-12	0600	Tue	438 517 6 25065 11748 70879 26419 07872 43478 517 6 00000	USB	(AB-UKR)
S06s	14240	17-12	0610	Tue	438 517 6 25065 11748 70879 26419 07872 43478 517 6 00000	USB	(AB-UKR)
S06s	5250	17-12	0700	Tue	452 936 7 02063 24122 22246 65232 02233 66287 90057 936 7 00000	USB	(AB)
S06s	6320	17-12	0710	Tue	452 936 7 02063 24122 22246 65232 02233 66287 90057 936 7 00000	USB	(AB)
S06s	7410	17-12	0730	Tue	427 891 5 04475 31467 53368 stopped and restarted at 0736 UTC: 427 891 5 04475 31467 53368 83168 97883 891 5 00000	USB	(AB)
S06s	11532	17-12	0743	Tue	Late start 427 891 5 04475 31467 53368 83168 97883 891 5 00000	USB	(AB)
S06s	11945	17-12	0800	Tue	127 864 5 10002 08973 41716 50801 40123 864 5 00000	USB	(AB)
S06s	13195	17-12	0810	Tue	127 864 5 10002 08973 41716 50801 40123 864 5 00000	USB	(AB)
S06s	6440	17-12	1000	Tue	427 916 5 08153 15870 20136 51533 38142 916 5 00000	USB	(AB)
S06s	5660	17-12	1010	Tue	427 916 5 08153 15870 20136 51533 38142 916 5 00000	USB	(AB)
S06s	5035	17-12	1100	Tue	265 809 7 73687 04545 39895 19670 29257 69816 97314 809 7 00000	USB	(AB-POL)
S06s	5975	17-12	1110	Tue	265 809 7 73687 04545 39895 19670 29257 69816 97314 809 7 00000	USB	(AB-POL)
S06s	6845	17-12	1500	Tue	914 807 5 81155 51870 20136 51533 38142 807 5 00000	USB	(AB/MPJ)
S06s	9170	17-12	1510	Tue	914 807 5 81155 51870 20136 51533 38142 807 5 00000	USB	(AB/MPJ)
S06s	7062	18-12	0830	Wed	464 210 5 92103 50754 67971 35571 71532 210 5 00000	USB	(AB)
S06s	11535	18-12	0830	Wed	172 908 5 94427 99804 64215 56369 81918 908 5 00000	USB	(AB)
S06s	10532	18-12	0840	Wed	464 210 5 92103 50754 67971 35571 71532 210 5 00000	USB	(AB)
S06s	11830	18-12	0840	Wed	172 908 5 94427 99804 64215 56369 81918 908 5 00000	USB	(AB)
S06s	12365	18-12	1000	Wed	276 980 5 41678 68778 34059 94169 91744 980 5 00000	USB	(AB)
S06s	14280	18-12	1010	Wed	276 980 5 41678 68778 34059 94169 91744 980 5 00000	USB	(AB)
S06s	8812	19-12	0930	Thu	698 401 5 21767 53672 11834 81022 36903 401 5 00000	USB	(AB)
S06s	9540	19-12	0940	Thu	698 401 5 21767 53672 11834 81022 36903 401 5 00000	USB	(AB)
S06s	12155	19-12	1200	Thu	175 804 6 88620 58069 61732 74537 57440 10597 804 6 00000	USB	(AB/MPJ)

S06s	10920	19-12	1210	Thu	175 804 6 88620 58069 61732 74537 57440 10597 804 6 00000	USB	(AB/MPJ)
S06s	11780	20-12	0630	Fri	156 239 7 52401 63919 92699 14600 74248 48754 65125 239 7 00000	USB	(AB-KWT)
S06s	12570	20-12	0640	Fri	156 239 7 52401 63919 92699 14600 74248 48754 65125 239 7 00000	USB	(AB-KWT)
S06s	5765	20-12	0900	Fri	239 417 5 85766 34257 09067 20866 03109 417 5 00000	USB	(AB)
S06s	6315	20-12	0910	Fri	239 417 5 85766 34257 09067 20866 03109 417 5 00000	USB	(AB)
S06s	13470	23-12	0630	Mon	462 859 7 33796 63919 92699 14600 74248 48754 65125 859 7 00000	USB	(AB-KWT)
S06s	16515	23-12	0640	Mon	462 859 7 33796 63919 92699 14600 74248 48754 65125 859 7 00000	USB	(AB-KWT)
S06s	8057	23-12	0830	Mon	764 293 5 04475 31467 53368 83168 97998 293 5 00000	USB	(AB)
S06s	8530	23-12	0840	Mon	764 293 5 04475 31467 53368 83168 97998 293 5 00000	USB	(AB)
S06s	14675	23-12	0900	Mon	232 486 5 10002 08894 65387 50801 40123 486 5 00000	USB	(AB-KWT)
S06s	12830	23-12	0910	Mon	232 486 5 10002 08894 65387 50801 40123 486 5 00000	USB	(AB)
S06s	8420	23-12	1300	Mon	149 236 5 28765 39827 09056 01465 39895 236 5 00000	USB	(AB/MPJ)
S06s	10635	23-12	1310	Mon	149 236 5 28765 39827 09056 01465 39895 236 5 00000	USB	(AB/MPJ)
S06s	16145	24-12	0600	Tue	438 517 6 25065 11748 70879 26419 07872 43478 517 6 00000	USB	(AB-POL)
S06s	14240	24-12	0610	Tue	438 517 6 25065 11748 70879 26419 07872 43478 517 6 00000	USB	(AB-POL)
S06s	5250	24-12	0700	Tue	452 936 7 02063 24122 22246 65232 02233 66287 90057 936 7 00000	USB	(AB)
S06s	6320	24-12	0710	Tue	452 936 7 02063 24122 22246 65232 02233 66287 90057 936 7 00000	USB	(AB)
S06s	7410	24-12	0730	Tue	427 891 5 04475 31467 53368 83168 97883 891 5 00000	USB	(AB)
S06s	11532	24-12	0740	Tue	427 891 5 04475 31467 53368 83168 97883 891 5 00000	USB	(AB)
S06s	11945	24-12	0800	Tue	127 864 5 10002 08973 41716 50801 40123 864 5 00000	USB	(AB)
S06s	13195	24-12	0810	Tue	127 864 5 10002 08973 41716 50801 40123 864 5 00000	USB	(AB)
S06s	6440	24-12	1000	Tue	427 916 5 08153 15870 20136 51533 38142 916 5 00000	USB	(AB-POL)
S06s	5660	24-12	1010	Tue	427 916 5 08153 15870 20136 51533 38142 916 5 00000	USB	(AB)
S06s	5035	24-12	1100	Tue	265 809 7 73687 04545 39895 19670 29257 69816 97314 809 7 00000	USB	(AB-MPJ-POL)
S06s	5975	24-12	1110	Tue	265 809 7 73687 04545 39895 19670 29257 69816 97314 809 7 00000	USB	(AB-POL/MPJ-POL)
S06s	6845	24-12	1500	Tue	914 807 5 81155 51870 20136 51533 38142 807 5 00000	USB	(AB/MPJ)
S06s	9170	24-12	1510	Tue	914 807 5 81155 51870 20136 51533 38142 807 5 00000	USB	(AB/MPJ)
S06s	7062	25-12	0830	Wed	464 210 5 92103 50754 67971 35571 71532 210 5 00000	USB	(AB)
S06s	11535	25-12	0830	Wed	172 908 5 94427 99804 64215 56369 81918 908 5 00000. S06s on 7062 kHz in the background	USB	(AB)
S06s	10532	25-12	0840	Wed	464 210 5 92103 50754 67971 35571 71532 210 5 00000	USB	(AB)
S06s	11830	25-12	0840	Wed	172 908 5 94427 99804 64215 56369 81918 908 5 00000. S06s on 10532 kHz in the background	USB	(AB)
S06s	12365	25-12	1000	Wed	276 980 5 41678 68778 34059 94169 91744 980 5 00000	USB	(AB)
S06s	14280	25-12	1010	Wed	276 980 5 41678 68778 34059 94169 91744 980 5 00000	USB	(AB)
S06s	8812	26-12	0930	Thu	698 401 5 21767 53672 11834 81022 36903 401 5 00000	USB	(AB)
S06s	9540	26-12	0940	Thu	698 401 5 21767 53672 11834 81022 36903 401 5 00000	USB	(AB)
S06s	12155	26-12	1200	Thu	175 804 6 88620 58069 61732 74537 57440 10597 804 6 00000	USB	(AB)
S06s	10920	26-12	1210	Thu	175 804 6 88620 58069 61732 74537 57440 10597 804 6 00000	USB	(AB)
S06s	11780	27-12	0630	Fri	156 239 7 52401 63919 92699 14600 74248 48754 65125 239 7 00000. Stopped and restarted at 0634 UTC	USB	(AB-RUS)
S06s	12570	27-12	0640	Fri	156 239 7 52401 63919 92699 14600 74248 48754 65125 239 7 00000	USB	(AB-RUS)

S06s	5765	27-12	0900	Fri	239 417 5 85766 34257 09067 20866 03109 417 5 00000	USB	(AB)
S06s	6315	27-12	0910	Fri	239 417 5 85766 34257 09067 20866 03109 417 5 00000	USB	(AB)
S06s	13470	30-12	0630	Mon	462 462 462 00000	USB	(AB-POL)
S06s	16515	30-12	0640	Mon	462 462 462 00000	USB	(AB-KWT)
S06s	8057	30-12	0830	Mon	764 764 764 00000	USB	(AB)
S06s	8530	30-12	0840	Mon	764 764 764 00000	USB	(AB)
S06s	14675	30-12	0900	Mon	232 232 232 00000	USB	(AB-QAT)
S06s	12830	30-12	0910	Mon	232 232 232 00000	USB	(AB)
S06s	8420	30-12	1300	Mon	149 149 149 00000	USB	(AB/MPJ)
S06s	10635	30-12	1310	Mon	149 149 149 00000	USB	(AB/MPJ)
S06s	5250	31-12	0700	Tue	452 452 452 00000	USB	(AB)
S06s	6320	31-12	0710	Tue	452 452 452 00000	USB	(AB)
S06s	7410	31-12	0730	Tue	427 427 427 00000	USB	(AB)
S06s	11532	31-12	0739	Tue	427 427 427 00000 Early start	USB	(AB)
S06s	11945	31-12	0800	Tue	127 127 127 00000	USB	(AB)
S06s	13195	31-12	0810	Tue	127 127 127 00000	USB	(AB)
S06s	6440	31-12	1000	Tue	427 427 427 00000	USB	(AB)
S06s	5660	31-12	1010	Tue	427 427 427 00000	USB	(AB)
S06s	5035	31-12	1100	Tue	265 265 265 00000	USB	(AB)
S06s	5975	31-12	1110	Tue	265 265 265 00000	USB	(AB)
S06s	6845	31-12	1500	Tue	914 914 914 00000	USB	(AB)
S06s	9170	31-12	1510	Tue	914 914 914 00000	USB	(AB)
S11a	9050	2-12	0700	Mon	476/00	USB	(AB)
S11a	4242	2-12	0915	Mon	486/00	USB	(AB)
S11a	7600	3-12	1020	Tue	424/31 Vnmaniye 64213 34195 59687 ... 08512 39793 43814 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	9057	4-12	0510	Wed	650/00	USB	(AB)
S11a	5371	4-12	1100	Wed	372/00	USB	(AB)
S11a	11486	4-12	1850	Wed	287/00	USB	(AB/MPJ)
S11a	9050	5-12	0700	Thu	470/00	USB	(AB)
S11a	4242	6-12	0915	Fri	482/00	USB	(AB)
S11a	7600	6-12	1020	Fri	424/31 Vnmaniye 64213 34195 59687 ... 08512 39793 53814 Vnmaniye (message repeated) Konets	USB	(AB/MPJ)
S11a	5371	6-12	1100	Fri	376/00	USB	(AB/MPJ)
S11a	11486	7-12	1850	sat	281/00	USB	(AB/MPJ)
S11a	9050	9-12	0700	Mon	474/00	USB	(AB)
S11a	4242	9-12	0915	Mon	484/00	USB	(AB)
S11a	7600	10-12	1020	Tue	422/00	USB	(AB)
S11a	9057	11-12	0510	Wed	652/00	USB	(AB)
S11a	5371	11-12	1100	Wed	379/00	USB	(AB)

S11a	11486	11-12	1850	Wed	281/00	USB	(AB)
S11a	9050	12-12	0700	Thu	475/00	USB	(AB)
S11a	4242	13-12	0915	Fri	485/00	USB	(AB)
S11a	7600	13-12	1020	Fri	425/00	USB	(AB)
S11a	5371	13-12	1100	Fri	370/00	USB	(AB)
S11a	11486	14-12	1850	sat	288/00	USB	(MPJ-FIN)
S11a	9050	16-12	0700	Mon	470/38 Vnimanaye 16932 34732 05340 ... 13932 10457 34952 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	4242	16-12	0915	Mon	482/00	USB	(AB)
S11a	7600	17-12	1020	Tue	429/00	USB	(AB)
S11a	9057	18-12	0510	Wed	656/33 Vnimanaye 36220 61339 71661 ... 14218 60791 74580 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	5371	18-12	1100	Wed	377/00	USB	(AB)
S11a	11486	18-12	1850	Wed	285/31 Vnimanaye 32305 87709 25937 ... 67142 46714 31410 Vnimanaye (message repeated) Konets	USB	(AB-POL)
S11a	9050	19-12	0700	Thu	470/38 Vnimanaye 16932 34732 05340 ... 13932 10457 34952 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	4242	20-12	0915	Fri	485/00	USB	(AB)
S11a	7600	20-12	1020	Fri	429/00	USB	(AB)
S11a	5371	20-12	1100	Fri	376/00	USB	(AB)
S11a	11486	21-12	1850	sat	285/31 Vnimanaye 32305 87709 25937 ... 67142 46714 31410 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
S11a	9050	23-12	0700	Mon	476/00	USB	(AB)
S11a	7600	24-12	1020	Tue	429/00	USB	(AB)
S11a	5371	25-12	1100	Wed	377/37 Vnimanaye 18578 78484 99753 ... 88963 28671 32018 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	9050	26-12	0700	Thu	476/00	USB	(AB-POL)
S11a	4242	27-12	0915	Fri	483/31 Vnimanaye 07931 26274 51701 ... 21824 48703 22748 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	7600	27-12	1020	Fri	429/00	USB	(AB)
S11a	5371	27-12	1100	Fri	377/37 Vnimanaye 18578 78484 99753 ... 88963 28671 32018 Vnimanaye (message repeated) Konets	USB	(AB)
S11a	11486	28-12	1850	sat	284/00	USB	(AB)
S11a	9057	30-12	0510	Mon	652/00	USB	(AB)
S11a	9050	30-12	0700	Mon	479/00	USB	(AB)
S11a	7600	31-12	1020	Tue	424/00	USB	(AB)
S28	4625	2-12	1348	Mon	Buzzer channel marker	USB	(ChPa)
S28	4625	3-12	1805	Tue	Buzzer channel marker	USB	(ChPa)
S28	4625	4-12	1533	Wed	Buzzer channel marker	USB	(ChPa)
S30	5448	1-12	0700	Sun	Pip channel marker	USB	(AB)

S30	5448	2-12	1252	Mon	8S1Shch 86371 ZhOHOPAK 4318 5447	USB	(Gwr)
S30	3756	2-12	1405	Mon	8S1Shch 09870 KRAYeVYeD 5699 1816	USB	(Gwr)
S30	3756	2-12	1526	Mon	8S1Shch 27340 VOYeVODSKIJ 6392 3755	USB	(Gwr)
S30	3756	2-12	1552	Mon	L7O5 V'Z' NLCYe LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ	USB	(Gwr)
S30	3756	3-12	1806	Tue	Pip channel marker	USB	(ChPa)
S30	3756	4-12	1704	Wed	Pip channel marker	USB	(ChPa)
S30	5448	11-12	1158	Wed	8S1Shch 93346 62251 47068 DYMOBUFF 7055 6119 DURNOJ 7055 1362 VKUSOMAI5 7055 9482	USB	(Gwr)
S30	5448	11-12	1215	Wed	8S1Shch 10950 INTYeRYeSNYJ 7896 1991	USB	(Gwr)
S30	5448	11-12	1335	Wed	8S1Shch 02037 ZVONOBOKS 6079 4201	USB	(Gwr)
S30	5448	11-12	1337	Wed	8S1Shch 77175 BONNOTRAL 8171 7450	USB	(Gwr)
S30	3756	11-12	1510	Wed	27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI 79AJ ShchT3O CIHS	USB	(Gwr)
S30	3756	11-12	1717	Wed	Z7PM S7ZhG Z'1B CI9V ZhSK4 HZ5T 5FSShch 8MUO TUZR 5J7Shch	USB	(Gwr)
S30	5448	18-12	1210	Wed	5FSShch 8MUO TUZR 5J7Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye	USB	(Gwr)
S30	3756	31-12	1650	Tue	Dlya: 37TSN, MUDR, 7VNShCh, ZH7N?, YMA5, VTKhZ, AGDT, 'U1B, OSOG, BO6TS. Kak slyshno? Priyom.	USB	(AB-POL)
S32	5473	1-12	0700	Sun	Squeaky Wheel channel marker	USB	(AB)
S32	5473	2-12	1257	Mon	Al'fa-45 82472 LOMBARDNYJ 2216 2518	USB	(Gwr)
S32	3828	2-12	1412	Mon	Al'fa-45 43615 KRYePOPLAC 0701 4452	USB	(Gwr)
S32	3828	2-12	1534	Mon	Al'fa-45 19475 NYeRAZYeMNYJ 5063 8603	USB	(Gwr)
S32	3828	4-12	1702	Wed	Squeaky Wheel channel marker	USB	(ChPa)
S32	5473	11-12	1221	Wed	Al'fa-45 97792 BYeRDANKA 5151 6867	USB	(Gwr)
S32	5473	11-12	1311	Wed	Al'fa-45 26148 KRATOChUM 8668 5481	USB	(Gwr)
UM03	5200	4-12	1228	Wed	i.p. 747AU 7DA6. 6A4N4 65.T7 NTNA5 ... III FF W33. 33F AR K	CW	(JPL-HK)
UM03	7920	6-12	0034	Fri	11 11 CK 100 CK 100 TIME 0734 TIME 0734 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ... AR on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	8150	6-12	0034	Fri	11 11 CK 100 CK 100 TIME 0734 TIME 0734 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ... AR on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	8410	6-12	0034	Fri	11 11 CK 100 CK 100 TIME 0734 TIME 0734 DATE 0612 DATE 0612 = BQSKZ UWLOD MODFV PSJYB ... AR on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	5678	6-12	0105	Fri	i.p. 54D6D 5464A 77U47 775U4 55TTN N7754 ... AR AR K 53D3D	CW	(JPL-HK)
UM03	7920	16-12	0850	Mon	i.p. 07 07 CK 100 CK 100 TIME 1549 TIME 1549 DATE 1612 DATE 1612 = A764U 435AD ANU43 6UDN5 ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM03	8250	16-12	0850	Mon	i.p. 07 07 CK 100 CK 100 TIME 1549 TIME 1549 DATE 1612 DATE 1612 = A764U 435AD ANU43 6UDN5 ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM03	8410	16-12	0850	Mon	i.p. 07 07 CK 100 CK 100 TIME 1549 TIME 1549 DATE 1612 DATE 1612 = A764U 435AD ANU43 6UDN5 ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM10	3865	4-12	1158	Wed	10-minutes net: KTR4	CW	(JPL-HK)
UM10	3698	16-12	1859	Mon	10-minutes net: D6AN	CW	(JPL-RUS)
UM10	3206	20-12	0920	Fri	10-minutes station: KTR4 //3865 kHz	CW	(F5JBR-J)
UM10	3865	20-12	0920	Fri	10-minutes station: KTR4 //3206 kHz	CW	(F5JBR-J)

UM10	3238	20-12	1350	Fri	10-minutes station: D6AN //3698 kHz	CW	(F5JBR-J)
UM10	3698	20-12	1350	Fri	10-minutes station: D6AN //3238 kHz	CW	(F5JBR-J)
UM10	5762	22-12	0820	Sun	10-minutes station: L3AD //6877 kHz	CW	(F5JBR-J)
UM10	6877	22-12	0820	Sun	10-minutes station: L3AD //5762 kHz	CW	(F5JBR-J)
UM10	3206	22-12	0850	Sun	10-minutes station: KTR4 //3865 kHz	CW	(F5JBR-J)
UM10	3865	22-12	0850	Sun	10-minutes station: KTR4 //3206 kHz	CW	(F5JBR-J)
V07	11594	8-12	0100	Sun	571 571 571 1 302 62 302 62 58310 19612 94737 ... 13184 80020 27574 000 000	USB	(Dan/HFD-USA))
V07	10794	8-12	0120	Sun	571 571 571 1 302 62 302 62 58310 19612 94737 ... 13184 80020 27574 000 000	USB	(Dan/HFD-USA))
V07	10194	8-12	0140	Sun	571 571 571 1 302 62 302 62 58310 19612 94737 ... 13184 80020 27574 000 000	USB	(Dan/HFD-USA)
V07	11594	15-12	0100	Sun	571 571 571 1 194 64 69740 33703 56703 94905 33274 000 000	USB	(Dan)
V07	10794	15-12	0120	Sun	571 571 571 1 194 64 69740 33703 56703 94905 33274 000 000	USB	(Dan)
V07	10194	15-12	0140	Sun	571 571 571 1 194 64 69740 33703 56703 94905 33274 000 000	USB	(Dan)
V07	11594	22-12	0100	Sun	571 571 571 1 5966 90 17014 24611 44206 75278 81297 49842 000 000	USB	(Dan)
V07	10794	22-12	0120	Sun	571 571 571 1 5966 90 17014 24611 44206 75278 81297 49842 000 000	USB	(Dan)
V07	10194	22-12	0140	Sun	571 571 571 1 5966 90 17014 24611 44206 75278 81297 49842 000 000	USB	(Dan)
V07	11594	29-12	0100	Sun	571 571 571 000	USB	(Dan)
V07	10794	29-12	0120	Sun	571 571 571 000	USB	(Dan)
V13	7688	4-12	1330	Wed	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V24	4925	11-12	1430	Wed	Dvorak's Slavonic Dances followed by a message in Korean	AM	(AB)
V24	4925	13-12	1430	Fri	Dvorak's Slavonic Dances followed by a message in Korean	AM	(AB-J)
V24	5115	13-12	1600	Fri	K-popsong followed by a message in Korean	AM	(AB-J)
V24	5715	26-12	1500	Thu	K-Popsing followed by a message in Korean	AM	(AB-J)
V28	3047	1-12	2210	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
V28	4494	1-12	2210	Sun	Parrot. Message in Korean. Female operator	AM	(HK)
V28	2993	1-12	2211	Sun	Parrot. Message in Korean. Male operator	AM	(HK)
V28	3048	2-12	2205	Mon	Parrot. Message in Korean. Female operator, bad modulation.	AM	(HK)
V28	4507	2-12	2205	Mon	Parrot. Message in Korean. Female operator //4512 kHz maybe a spur. Id sounded like as "SAN-FA-SAN"	AM	(HK)
V28	2933	4-12	0900	Wed	Parrot. Message in Korean. Female operator	AM	(HK)
V28	3518	4-12	0900	Wed	Parrot. Message in Korean. Female operator	AM	(HK)
V28	4625	4-12	0902	Wed	Parrot. Message in Korean. Female operator	AM	(HK)
V28	5154	4-12	0904	Wed	Parrot. Message in Korean. Male operator	AM	(HK)
V28	2996	9-12	2206	Mon	Parrot. Message in Korean. Male operator	AM	(HK)
V28	3049	9-12	2206	Mon	Parrot. Message in Korean. Female operator	AM	(HK)
V28	2934	10-12	0908	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	3518	10-12	0908	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	5146	10-12	0909	Tue	Parrot. Message in Korean. Male operator	AM	(HK)
V28	4620	10-12	0911	Tue	Parrot. Message in Korean. Male operator	AM	(HK)
V28	4621	17-12	0908	Tue	Parrot. Message in Korean. Female operator	AM	(HK)
V28	5146	17-12	0908	Tue	Parrot. Message in Korean. Male operator	AM	(HK)

VC01	3008	4-12	1846	Wed	Chinese Robot i.p.	USB	(AB-J)
VC01	3792	6-12	1331	Fri	Chinese Air Defense aka Chinese Robot i.p.	USB	(AB-J)
X06	11438	2-12	0907	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB)
X06	12149	3-12	0954	Tue	MFA Moscow clg 154263: Russian embassy, Rome	MFSK-6	(ES-HOL)
X06	14922	13-12	0912	Fri	MFA Moscow clg 124356: Russian embassy Dushanbe	MFSK-6	(Danix)
X06	12177	13-12	0925	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(Danix)
X06	8123	16-12	1643	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Danix)
X06	6870	16-12	1652	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Danix)
X06	5838	16-12	1656	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Danix)
X06b	12320	3-12	1107	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	5087	6-12	1516	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)
X06b	5087	6-12	1518	Fri	Sequence: 111666 before E07a	MFSK-6	(AB)
X06b	12320	10-12	1046	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	11320	10-12	1058	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	11230	10-12	1106	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	13320	10-12	1107	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	15320	10-12	1149	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	10320	10-12	1220	Tue	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	12539	12-12	1246	Thu	Single tone variant: 111111	MFSK-6	(ES-HOL)
XPA1	11531	3-12	0810	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	12137	3-12	0830	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	13932	3-12	0850	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	11531	5-12	0810	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	12137	5-12	0830	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	13932	5-12	0850	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	11531	10-12	0810	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	12137	10-12	0830	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	13932	10-12	0850	Tue	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	11531	12-12	0810	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	12137	12-12	0830	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	13932	12-12	0850	Thu	395 395 395 1 00428 00150 44750 ... 42717 94101 13455	MFSK-20/10Bd	(AB)
XPA1	11531	17-12	0810	Tue	395 395 395 000 07487 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	12137	17-12	0830	Tue	395 395 395 000 07487 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	13932	17-12	0850	Tue	395 395 395 000 07487 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	11531	19-12	0810	Thu	395 395 395 000 07945 00001 00000 40263	MFSK-20/10Bd	(AB)
XPA1	12137	19-12	0830	Thu	395 395 395 000 07945 00001 00000 40263	MFSK-20/10Bd	(AB)
XPA1	13932	19-12	0850	Thu	395 395 395 000 07945 00001 00000 40263	MFSK-20/10Bd	(AB)
XPA1	11531	24-12	0810	Tue	395 395 395 000 06134 00001 00000 33661	MFSK-20/10Bd	(AB/HFD)
XPA1	12137	24-12	0830	Tue	395 395 395 000 06134 00001 00000 33661	MFSK-20/10Bd	(AB/HFD)
XPA1	13932	24-12	0850	Tue	395 395 395 000 06134 00001 00000 33661	MFSK-20/10Bd	(AB/HFD)

XPA1	11531	26-12	0810	Thu	395 395 395 000 08983 00001 00000 37270	MFSK-20/10Bd	(AB)
XPA1	12137	26-12	0830	Thu	395 395 395 000 08983 00001 00000 37270	MFSK-20/10Bd	(AB)
XPA1	13932	26-12	0850	Thu	395 395 395 000 08983 00001 00000 37270	MFSK-20/10Bd	(AB)
XPA1	11531	31-12	0810	Tue	395 395 395 000 03630 00001 00000 34256	MFSK-20/10Bd	(AB)
XPA1	12137	31-12	0830	Tue	395 395 395 000 03630 00001 00000 34256	MFSK-20/10Bd	(AB)
XPA1	13932	31-12	0850	Tue	395 395 395 000 03630 00001 00000 34256	MFSK-20/10Bd	(AB)
XPA2	12192	1-12	0800	Sun	11 minutes long message	MFSK-16/20Bd	(Danix)
XPA2	11486	1-12	0820	Sun	11 minutes long message	MFSK-16/20Bd	(Danix)
XPA2	10631	1-12	0840	Sun	11 minutes long message	MFSK-16/20Bd	(Danix)
XPA2	10807	1-12	1200	Sun	Message	MFSK-16/20Bd	(HFD)
XPA2	12207	1-12	1220	Sun	Message	MFSK-16/20Bd	(HFD)
XPA2	13507	1-12	1220	Sun	Message	MFSK-16/20Bd	(HFD)
XPA2	11493	2-12	0800	Mon	09526 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	13393	2-12	0820	Mon	09526 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	13993	2-12	0840	Mon	09526 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	13562	2-12	0910	Mon	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB/RL)
XPA2	11583	2-12	0930	Mon	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB/RL)
XPA2	10281	2-12	0950	Mon	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB/RL)
XPA2	6984	2-12	1600	Mon	Message	MFSK-16/20Bd	(HFD)
XPA2	5984	2-12	1620	Mon	Message	MFSK-16/20Bd	(HFD)
XPA2	4784	2-12	1640	Mon	Message	MFSK-16/20Bd	(HFD)
XPA2	10807	3-12	1200	Tue	00156 00042 10992 ... 70283 45297 25573	MFSK-16/20Bd	(AB)
XPA2	12207	3-12	1220	Tue	00156 00042 10992 ... 70283 45297 25573	MFSK-16/20Bd	(AB)
XPA2	13507	3-12	1240	Tue	00156 00042 10992 ... 70283 45297 25573	MFSK-16/20Bd	(AB)
XPA2	8184	3-12	1600	Tue	09799 00001 00000 41272	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	3-12	1620	Tue	09799 00001 00000 41272	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	3-12	1640	Tue	09799 00001 00000 41272	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	4-12	0800	Wed	02183 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	13393	4-12	0820	Wed	02183 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	13993	4-12	0840	Wed	02183 00001 00000 33262	MFSK-16/20Bd	(AB)
XPA2	13562	4-12	0910	Wed	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB)
XPA2	11583	4-12	0930	Wed	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB)
XPA2	10281	4-12	0950	Wed	00669 00085 66353 ... 26638 80344 67627	MFSK-16/20Bd	(AB/RL)
XPA2	10289	4-12	1220	Wed	02892 00040 93033 ... 35161 89980 52625	MFSK16/20Bd	(AB)
XPA2	11589	4-12	1240	Wed	02892 00040 93033 ... 35161 89980 52625	MFSK16/20Bd	(AB)
XPA2	12192	5-12	0800	Thu	05506 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	11486	5-12	0820	Thu	05506 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	10631	5-12	0840	Thu	05506 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	13919	5-12	0910	Thu	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)
XPA2	11519	5-12	0930	Thu	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)

XPA2	10719	5-12	0950	Thu	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)
XPA2	8184	5-12	1600	Thu	04306 00001 00000 35654	MFSK-16/20Bd	(MPJ)
XPA2	7684	5-12	1620	Thu	04306 00001 00000 35654	MFSK-16/20Bd	(MPJ)
XPA2	6784	5-12	1640	Thu	04306 00001 00000 35654	MFSK-16/20Bd	(MPJ)
XPA2	9389	6-12	1200	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB)
XPA2	10289	6-12	1220	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB)
XPA2	11589	6-12	1240	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB)
XPA2	13919	7-12	0910	sat	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)
XPA2	11519	7-12	0930	sat	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)
XPA2	10719	7-12	0950	sat	08345 00066 91543 ... 89325 12833 72011	MFSK-16/20Bd	(AB/RL)
XPA2	6984	7-12	1600	sat	05714 00001 00000 36656	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	7-12	1620	sat	05714 00001 00000 36656	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	7-12	1640	sat	05714 00001 00000 36656	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	8-12	1200	Sun	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	12207	8-12	1220	Sun	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	13507	8-12	1240	Sun	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	11493	9-12	0800	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13393	9-12	0820	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13993	9-12	0840	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13562	9-12	0910	Mon	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB)
XPA2	11583	9-12	0930	Mon	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB/RL)
XPA2	10281	9-12	0950	Mon	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB)
XPA2	6984	9-12	1600	Mon	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	5884	9-12	1620	Mon	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	4784	9-12	1640	Mon	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	10807	10-12	1200	Tue	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	12207	10-12	1220	Tue	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	13507	10-12	1240	Tue	00457 00040 11801 ... 25895 57571 34564	MFSK-16/20Bd	(AB)
XPA2	8184	10-12	1600	Tue	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-FIN/MPJ)
XPA2	7684	10-12	1620	Tue	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-FIN/MPJ)
XPA2	6784	10-12	1640	Tue	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-FIN/MPJ)
XPA2	11493	11-12	0800	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13393	11-12	0820	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13993	11-12	0840	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13562	11-12	0910	Wed	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB)
XPA2	11583	11-12	0930	Wed	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB)
XPA2	10281	11-12	0950	Wed	00442 00134 70326 ... 35669 52380 17307	MFSK-16/20Bd	(AB)
XPA2	9389	11-12	1200	Wed	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/MPJ)
XPA2	10289	11-12	1220	Wed	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/MPJ)
XPA2	11589	11-12	1240	Wed	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/MPJ)

XPA2	13919	12-12	0910	Thu	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	11519	12-12	0930	Thu	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	10719	12-12	0950	Thu	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	8184	12-12	1600	Thu	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-FIN/MPJ/HFD)
XPA2	7684	12-12	1620	Thu	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-FIN/MPJ/HFD)
XPA2	6784	12-12	1640	Thu	00555 00278 25121 ... 66870 36081 23426	MFSK-16/20Bd	(AB-POL/MPJ/HFD)
XPA2	9389	13-12	1200	Fri	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/HFD)
XPA2	10289	13-12	1220	Fri	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/HFD)
XPA2	11589	13-12	1240	Fri	00300 00070 30162 ... 48811 72379 50756	MFSK16/20Bd	(AB/HFD)
XPA2	13919	14-12	0910	sat	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB)
XPA2	11519	14-12	0930	sat	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB)
XPA2	10719	14-12	0950	sat	03102 00059 00874 ... 33957 59536 62166	MFSK-16/20Bd	(AB)
XPA2	6984	14-12	1600	sat	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	5884	14-12	1620	sat	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	4784	14-12	1640	sat	00412 00264 44455 ... 07289 40604 16326	MFSK-16/20Bd	(AB)
XPA2	10807	15-12	1200	Sun	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	12207	15-12	1220	Sun	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	13507	15-12	1240	Sun	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	11493	16-12	0800	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13393	16-12	0820	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13993	16-12	0840	Mon	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13562	16-12	0910	Mon	04605 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	11583	16-12	0930	Mon	04605 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	10281	16-12	0950	Mon	04605 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	6984	16-12	1600	Mon	03030 00001 00000 31256	MFSK-16/20Bd	(AB)
XPA2	5884	16-12	1620	Mon	03030 00001 00000 31256	MFSK-16/20Bd	(AB)
XPA2	4784	16-12	1640	Mon	03030 00001 00000 31256	MFSK-16/20Bd	(AB)
XPA2	10807	17-12	1200	Tue	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	12207	17-12	1220	Tue	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	13507	17-12	1240	Tue	00222 00058 14498 ... 78793 73920 37671	MFSK-16/20Bd	(AB)
XPA2	8184	17-12	1600	Tue	04882 00001 00000 36264	MFSK-16/20Bd	(AB/MPJ)
XPA2	7684	17-12	1620	Tue	04882 00001 00000 36264	MFSK-16/20Bd	(AB/MPJ)
XPA2	6784	17-12	1640	Tue	04882 00001 00000 36264	MFSK-16/20Bd	(AB/MPJ)
XPA2	11493	18-12	0800	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13393	18-12	0820	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13993	18-12	0840	Wed	00142 00133 85788 ... 11140 76740 06004	MFSK-16/20Bd	(AB)
XPA2	13562	18-12	0910	Wed	03339 00001 000000 7256	MFSK-16/20Bd	(AB)
XPA2	11583	18-12	0930	Wed	03339 00001 000000 7256	MFSK-16/20Bd	(AB)
XPA2	10281	18-12	0950	Wed	03339 00001 000000 7256	MFSK-16/20Bd	(AB)
XPA2	9389	18-12	1200	Wed	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB)

XPA2	10289	18-12	1220	Wed	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB/MPJ)
XPA2	11589	18-12	1240	Wed	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB/MPJ)
XPA2	13919	19-12	0910	Thu	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	11519	19-12	0930	Thu	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	10719	19-12	0950	Thu	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	8184	19-12	1600	Thu	03755 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	7684	19-12	1620	Thu	03755 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	6784	19-12	1640	Thu	03755 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	9389	20-12	1200	Fri	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB)
XPA2	10289	20-12	1220	Fri	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB)
XPA2	11589	20-12	1240	Fri	06805 00062 63936 ... 10895 92092 54003	MFSK16/20Bd	(AB)
XPA2	13919	21-12	0910	sat	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	11519	21-12	0930	sat	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	10719	21-12	0950	sat	02450 00122 10378 ... 48003 87899 21420	MFSK-16/20Bd	(AB)
XPA2	10807	22-12	1200	Sun	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	12207	22-12	1220	Sun	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	13507	22-12	1240	Sun	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	11493	23-12	0800	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB/HFD)
XPA2	13393	23-12	0820	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB/HFD)
XPA2	13993	23-12	0840	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB/HFD)
XPA2	13562	23-12	0910	Mon	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	11583	23-12	0930	Mon	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	10281	23-12	0950	Mon	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	6984	23-12	1600	Mon	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB/MPJ)
XPA2	5884	23-12	1620	Mon	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB/MPJ)
XPA2	4784	23-12	1640	Mon	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB/MPJ)
XPA2	10807	24-12	1200	Tue	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	12207	24-12	1220	Tue	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	13507	24-12	1240	Tue	00373 00030 01440 ... 71131 97445 67514	MFSK-16/20Bd	(AB)
XPA2	8184	24-12	1600	Tue	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	7684	24-12	1620	Tue	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	6784	24-12	1640	Tue	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	11493	25-12	0800	Wed	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13393	25-12	0820	Wed	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13993	25-12	0840	Wed	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13562	25-12	0910	Wed	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	11583	25-12	0930	Wed	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	10281	25-12	0950	Wed	06203 00097 29608 ... 47845 00382 42770	MFSK-16/20Bd	(AB)
XPA2	9389	25-12	1200	Wed	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)
XPA2	10289	25-12	1220	Wed	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)

XPA2	11589	25-12	1240	Wed	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)
XPA2	13919	26-12	0910	Thu	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	11519	26-12	0930	Thu	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	10719	26-12	0950	Thu	02891 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	8184	26-12	1600	Thu	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	7684	26-12	1620	Thu	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	6784	26-12	1640	Thu	00317 00105 57278 ... 07817 71710 74471	MFSK-16/20Bd	(AB)
XPA2	9389	27-12	1200	Fri	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)
XPA2	10289	27-12	1220	Fri	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)
XPA2	11589	27-12	1240	Fri	08225 00102 74772 ... 60564 34403 57614	MFSK16/20Bd	(AB)
XPA2	13919	28-12	0910	sat	07238 00001 00000 36262	MFSK-16/20Bd	(AB/RL)
XPA2	11519	28-12	0930	sat	07238 00001 00000 36262	MFSK-16/20Bd	(AB/RL)
XPA2	10719	28-12	0950	sat	07238 00001 00000 36262	MFSK-16/20Bd	(AB/RL)
XPA2	6984	28-12	1600	sat	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB)
XPA2	5884	28-12	1620	sat	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB)
XPA2	4784	28-12	1640	sat	08090 00063 42077 ... 68494 77241 10054	MFSK-16/20Bd	(AB)
XPA2	10807	29-12	1200	Sun	06577 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	12207	29-12	1220	Sun	06577 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	13507	29-12	1240	Sun	06577 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	11493	30-12	0800	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13393	30-12	0820	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13993	30-12	0840	Mon	00468 00087 95950 ... 78792 25992 10304	MFSK-16/20Bd	(AB)
XPA2	13562	30-12	0910	Mon	01978 00001 00000 41660	MFSK-16/20Bd	(AB)
XPA2	11583	30-12	0930	Mon	01978 00001 00000 41660	MFSK-16/20Bd	(AB)
XPA2	10281	30-12	0950	Mon	01978 00001 00000 41660	MFSK-16/20Bd	(AB)
XPA2	6984	30-12	1600	Mon	09866 00001 00000 40267	MFSK-16/20Bd	(AB)
XPA2	5884	30-12	1620	Mon	09866 00001 00000 40267	MFSK-16/20Bd	(AB)
XPA2	4784	30-12	1640	Mon	09866 00001 00000 40267	MFSK-16/20Bd	(AB)
XPA2	10807	31-12	1200	Tue	04638 00001 00000 40257	MFSK-16/20Bd	(AB/MPJ)
XPA2	12207	31-12	1220	Tue	04638 00001 00000 40257	MFSK-16/20Bd	(AB/MPJ)
XPA2	13507	31-12	1240	Tue	04638 00001 00000 40257	MFSK-16/20Bd	(AB/MPJ)
XPA2	8184	31-12	1600	Tue	09377 00001 00000 36270	MFSK-16/20Bd	(AB-POL/MPJ)
XPA2	7684	31-12	1620	Tue	09377 00001 00000 36270	MFSK-16/20Bd	(AB-POL/MPJ)
XPA2	6784	31-12	1640	Tue	09377 00001 00000 36270	MFSK-16/20Bd	(AB-POL/MPJ)
XPB1	14483	2-12	1100	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13983	2-12	1110	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13483	2-12	1120	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12183	2-12	1130	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11583	2-12	1140	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10983	2-12	1150	Mon	Russian intel.	MFSK-16	(AB/HFD)

XPB1	8058	3-12	2000	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	7558	3-12	2010	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5858	3-12	2020	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5158	3-12	2030	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4858	3-12	2040	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4458	3-12	2050	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	14483	7-12	1100	sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	7-12	1110	sat	Russian intel.	MFSK-16	(AB)
XPB1	13483	7-12	1120	sat	Russian intel.	MFSK-16	(AB)
XPB1	12183	7-12	1130	sat	Russian intel.	MFSK-16	(AB)
XPB1	11583	7-12	1140	sat	Russian intel.	MFSK-16	(AB)
XPB1	10983	7-12	1150	sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	8-12	2000	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	7558	8-12	2010	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	5858	8-12	2020	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	5158	8-12	2030	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	4858	8-12	2040	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	4458	8-12	2050	Sun	Russian Intel.	MFSK-16	(AB/HFD)
XPB1	14483	9-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	9-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	9-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	9-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	9-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	9-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8058	10-12	2000	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	7558	10-12	2010	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	5858	10-12	2020	Tue	Russian Intel.	MFSK-16	(AB/RL)
XPB1	5158	10-12	2030	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4858	10-12	2040	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4458	10-12	2050	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	14483	14-12	1100	sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	14-12	1110	sat	Russian intel.	MFSK-16	(AB)
XPB1	13483	14-12	1120	sat	Russian intel.	MFSK-16	(AB)
XPB1	12183	14-12	1130	sat	Russian intel.	MFSK-16	(AB)
XPB1	11583	14-12	1140	sat	Russian intel.	MFSK-16	(AB)
XPB1	10983	14-12	1150	sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	15-12	2000	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	7558	15-12	2010	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	5858	15-12	2020	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	5158	15-12	2030	Sun	Russian Intel.	MFSK-16	(AB)

XPB1	4858	15-12	2040	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	4458	15-12	2050	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	14483	16-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	16-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	16-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	16-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	16-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	16-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8058	17-12	2000	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	7558	17-12	2010	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5858	17-12	2020	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5158	17-12	2030	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4858	17-12	2040	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4458	17-12	2050	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	14483	21-12	1100	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13983	21-12	1110	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13483	21-12	1120	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12183	21-12	1130	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11583	21-12	1140	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10983	21-12	1150	sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8058	22-12	2000	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	7558	22-12	2010	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	5858	22-12	2020	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	5158	22-12	2030	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	4858	22-12	2040	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	4458	22-12	2050	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	14483	23-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	23-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	23-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	23-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	23-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	23-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8058	24-12	2000	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	7558	24-12	2010	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5858	24-12	2020	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5158	24-12	2030	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4858	24-12	2040	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4458	24-12	2050	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	14483	28-12	1100	sat	Russian intel.	MFSK-16	(AB)
XPB1	13983	28-12	1110	sat	Russian intel.	MFSK-16	(AB)

XPB1	13483	28-12	1120	sat	Russian intel.	MFSK-16	(AB)
XPB1	12183	28-12	1130	sat	Russian intel.	MFSK-16	(AB)
XPB1	11583	28-12	1140	sat	Russian intel.	MFSK-16	(AB)
XPB1	10983	28-12	1150	sat	Russian intel.	MFSK-16	(AB)
XPB1	8058	29-12	2000	Sun	Russian Intel.	MFSK-16	(AB/RL)
XPB1	7558	29-12	2010	Sun	Russian Intel.	MFSK-16	(AB/RL)
XPB1	5858	29-12	2020	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	5158	29-12	2030	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	4858	29-12	2040	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	4458	29-12	2050	Sun	Russian Intel.	MFSK-16	(AB)
XPB1	14483	30-12	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13983	30-12	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13483	30-12	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12183	30-12	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11583	30-12	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10983	30-12	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8058	31-12	2000	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	7558	31-12	2010	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5858	31-12	2020	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	5158	31-12	2030	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4858	31-12	2040	Tue	Russian Intel.	MFSK-16	(AB)
XPB1	4458	31-12	2050	Tue	Russian Intel.	MFSK-16	(AB)
XSL	4153	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	4-12	1848	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-AUS	Ary Boender via remote rx Australia
AB-AUT	Ary Boender via remote rx Austria
AB-FIN	Ary Boender via remote rx Finland
AB-G	Ary Boender via remote rx UK
AB-HK	Ary Boender via remote rx Hong Kong
AB-J	Ary Boender via remote rx Japan
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-QAT	Ary Boender via remote rx Qatar
AB-RUS	Ary Boender via remote rx Russia
AB-UKR	Ary Boender via remote rx Ukraine
ChPa	Christer, Sweden
Dan	Daniel LU5EMM, Argentina
Danix	Danix, Poland
Danix-USA	Danix via remote rx USA
DK8OK	DK8OK Nils Schiffhaur, D
ES	Edward Smith, UK
ES-HOL	Edward Smith via remote rx Netherlands
F5JBR	F5JBR André, France
F5JBR-CHN	F5JBR via remote rx China
F5JBR-J	F5JBR André via remote rx Japan
FT	Frank Thierry
Harm	Harmony
HFD	Hans-Friedrich Dumrese, Germany
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
JPL-HK	JPL via remote rx Hong Kong
JPL-J	JPL via remote rx Japan
JPL-RUS	JPL via remote rx Russia
MPJ	Jim, SW England
MPJ-FIN	Jim via remote rx Finland
MPJ-POL	Jim via remote rx Poland
NWA-J	Nick, Seattle, WA, USA via remote rx Japan
RL	Roberto Landolpho, Brazil
RR2	Rich Ray, IL, USA
WP3	Wolfgang Palmberger

N&O 2019 Index

Issue	Subject	Item
256	Contributors	Contributors
256	Digital modes	F01 transcripts
256	Digital modes	F06 transcripts
256	Digital modes	HM01 oddities and review
256	Digital modes	M42b transcripts
256	Digital modes	X06 transcripts
256	Digital modes	XPA1 transcripts
256	Digital modes	XPA2 transcripts
256	Digital modes	XPB1 logs
256	Diplomatic stations	Czech diplo and intelligence stations
256	Diplomatic stations	North Korean diplo stations
256	General	Don Schimmel Obituary
256	General	Intelligence books
256	Intelligence	Intelligence news Afghanistan
256	Logs	Logs Section
256	Morse stations	M01 transcripts
256	Morse stations	M08a transcripts
256	Morse stations	M12 transcripts
256	Morse stations	M14 transcripts
256	Morse stations	M21 transcripts
256	Morse stations	M41 log
256	Morse stations	M89 transcripts
256	Morse stations	M95 transcripts
256	Morse stations	MC03 transcripts
256	Morse stations	UM03 transcripts
256	Utility Round-up	Japanese military
256	Utility Round-up	North Korean military
256	Utility Round-up	Propaganda
256	Utility Round-up	Russian military morse stations
256	Utility Round-up	Russian military voice stations
256	Utility Round-up	Unid stations
256	Utility Round-up	US JCS Emergency Action Messages
256	Voice stations	E06 transcripts
256	Voice stations	E07 transcripts
256	Voice stations	E11a transcripts and error
256	Voice stations	E17z transcripts, unscheduled messages
256	Voice stations	G06 transcripts
256	Voice stations	S06 transcripts
256	Voice stations	S06s oddities
256	Voice stations	S11a transcripts
256	Voice stations	V07 transcript
256	Voice stations	V13 logs
256	Voice stations	V15 logs
257	Contributors	Contributors
257	Digital modes	F01 transcripts
257	Digital modes	F06 transcripts
257	Digital modes	HM01 review
257	Digital modes	X06 transcripts
257	Digital modes	XM log
257	Digital modes	XPA1 transcripts
257	Digital modes	XPA2 transcripts
257	Digital modes	XPB1 logs
257	Diplomatic stations	Egyptian diplo stations
257	Diplomatic stations	North Korean diplo stations
257	Logs	Logs Section

257	Morse stations	M01 transcripts
257	Morse stations	M08a transcripts
257	Morse stations	M12 transcripts
257	Morse stations	M14 transcripts
257	Morse stations	M21 transcripts
257	Morse stations	M22 transcripts
257	Morse stations	M23 transcripts
257	Morse stations	M51b transcripts
257	Morse stations	M89 transcripts
257	Morse stations	M95 transcripts
257	Morse stations	MX roundup
257	Utility Round-up	North Korean military
257	Utility Round-up	RMv voice messages in morse format
257	Utility Round-up	Russian military morse stations
257	Utility Round-up	Russian military morse stations
257	Utility Round-up	Ukrainian-Russian propaganda war
257	Utility Round-up	Unid stations
257	Utility Round-up	US JCS Emergency Action Messages
257	Voice stations	E06 transcripts
257	Voice stations	E07 transcripts
257	Voice stations	E07a transcripts
257	Voice stations	E11a transcripts
257	Voice stations	E17z transcripts
257	Voice stations	G06 transcripts
257	Voice stations	S06 transcripts
257	Voice stations	S11a transcripts
257	Voice stations	S28 transcripts
257	Voice stations	S30 transcripts
257	Voice stations	S32 transcripts
257	Voice stations	V07 transcripts
257	Voice stations	V15 logs
257	Voice stations	VC03 logs
258	Contributors	Contributors
258	Digital modes	F01 transcripts
258	Digital modes	F06 transcripts
258	Digital modes	HM01 review
258	Digital modes	M42 experimental modes
258	Digital modes	M42 transcripts
258	Digital modes	M42b transcripts
258	Digital modes	X06 transcripts
258	Digital modes	XPA1 transcripts
258	Digital modes	XPA2 transcripts
258	Digital modes	XPB1 logs
258	Diplomatic stations	Egyptian diplo stations
258	Diplomatic stations	North Korean diplo stations
258	Logs	Logs Section
258	Morse stations	M01 transcripts
258	Morse stations	M01a transcripts
258	Morse stations	M12 transcripts
258	Morse stations	M14 transcripts
258	Morse stations	M21 transcripts
258	Morse stations	M23 transcripts
258	Morse stations	M41 transcripts
258	Morse stations	M89 transcripts
258	Morse stations	M95 transcripts
258	Morse stations	MX roundup
258	Morse stations	UM03 transcripts
258	Utility Round-up	North Korean military
258	Utility Round-up	Russian military morse stations

258	Utility Round-up	Russian military morse stations
258	Utility Round-up	Russian military voice stations
258	Utility Round-up	South African Navy 4 rising tones
258	Utility Round-up	Ukrainian-Russian propaganda war
258	Utility Round-up	Unid stations
258	Utility Round-up	US JCS Emergency Action Messages
258	Voice stations	E06 transcripts
258	Voice stations	E07 transcripts
258	Voice stations	E07a transcripts
258	Voice stations	E11a transcripts
258	Voice stations	E17z transcripts
258	Voice stations	E25 transcripts
258	Voice stations	G06 transcripts
258	Voice stations	S06 transcripts
258	Voice stations	S06s oddities
258	Voice stations	S11a transcripts
258	Voice stations	S28 transcripts
258	Voice stations	S30 transcripts
258	Voice stations	S32 transcripts
258	Voice stations	V07 transcripts
258	Voice stations	V13 logs
258	Voice stations	V15 logs
259	Contributors	Contributors
259	Digital modes	F01 transcripts
259	Digital modes	F06 transcripts
259	Digital modes	HM01 oddities and review
259	Digital modes	M42 logs
259	Digital modes	M42b logs
259	Digital modes	X06 transcripts
259	Digital modes	XPA1 transcripts
259	Digital modes	XPA2 transcripts
259	Digital modes	XPB1 logs
259	Diplomatic stations	Egyptian diplo stations
259	Diplomatic stations	North Korean diplo stations
259	Logs	Logs Section
259	Morse stations	M01 transcripts
259	Morse stations	M01b transcripts
259	Morse stations	M12 transcripts
259	Morse stations	M14 transcripts
259	Morse stations	M21 transcripts
259	Morse stations	M51b transcripts
259	Morse stations	M89 transcripts
259	Morse stations	M95 transcripts
259	Morse stations	MX roundup
259	Utility Round-up	Japanese army log
259	Utility Round-up	Russian military morse stations
259	Utility Round-up	Russian military morse stations
259	Utility Round-up	Russian military voice stations
259	Utility Round-up	US JCS Emergency Action Messages
259	Voice stations	E06 transcripts
259	Voice stations	E07 transcripts
259	Voice stations	E11a transcripts
259	Voice stations	E17z transcripts
259	Voice stations	G06 transcripts
259	Voice stations	S06 transcripts
259	Voice stations	S11a transcripts
259	Voice stations	S30 transcripts
259	Voice stations	S32 transcripts
259	Voice stations	V07 transcripts

259	Voice stations	V13
259	Voice stations	V15 logs
260	Contributors	Contributors
260	Digital modes	F01 transcripts
260	Digital modes	HM01 review
260	Digital modes	M42 experimental modes logs
260	Digital modes	X06 transcripts
260	Digital modes	XPA1 transcripts
260	Digital modes	XPA2 transcripts
260	Digital modes	XPB1 transcripts
260	Diplomatic stations	Egyptian diplo stations
260	Diplomatic stations	North Korean diplo stations
260	Logs	Logs Section
260	Morse stations	M01 transcripts
260	Morse stations	M01b transcripts
260	Morse stations	M12 transcripts
260	Morse stations	M14 transcripts
260	Morse stations	M21 transcripts
260	Morse stations	M22 transcripts
260	Morse stations	M23 transcripts
260	Morse stations	M41 transcripts
260	Morse stations	M51a transcripts
260	Morse stations	M89 transcripts
260	Morse stations	M95 transcripts
260	Morse stations	MC03 transcripts
260	Morse stations	MX roundup
260	Utility Round-up	North Korean military
260	Utility Round-up	Russian military morse stations
260	Utility Round-up	Russian military morse stations
260	Utility Round-up	Russian military voice stations
260	Utility Round-up	Unid stations
260	Utility Round-up	US JCS Emergency Action Messages
260	Voice stations	E06 transcripts
260	Voice stations	E06a transcripts
260	Voice stations	E07 transcripts
260	Voice stations	E11 family. Polish digital modes
260	Voice stations	E11a transcripts
260	Voice stations	E17z transcripts
260	Voice stations	G06 transcripts
260	Voice stations	S06c transcripts
260	Voice stations	S11a transcripts
260	Voice stations	S28 transcripts
260	Voice stations	S30 transcripts
260	Voice stations	S32 transcripts
260	Voice stations	V15 logs
260	Voice stations	Vega-33 transcripts
261	Contributors	Contributors
261	Digital modes	F01 transcripts
261	Digital modes	F06 transcripts
261	Digital modes	HM01 review
261	Digital modes	M42 experimental modes
261	Digital modes	M42 logs
261	Digital modes	M42b logs and transcripts
261	Digital modes	X06 transcripts
261	Digital modes	XPA1 transcripts
261	Digital modes	XPA2 transcripts
261	Digital modes	XPB1 transcripts
261	Diplomatic stations	Egyptian diplo stations
261	Diplomatic stations	North Korean diplo stations

261	Logs	Logs Section
261	Morse stations	M01 transcripts
261	Morse stations	M01b transcripts
261	Morse stations	M12 transcripts
261	Morse stations	M14 transcripts
261	Morse stations	M21 transcripts
261	Morse stations	M22 transcripts
261	Morse stations	M23 transcripts
261	Morse stations	M41 transcripts
261	Morse stations	M51a transcripts
261	Morse stations	M51b transcripts
261	Morse stations	M89 transcripts
261	Morse stations	M95 transcripts
261	Utility Round-up	Jammers logs
261	Utility Round-up	Russian military channel markers
261	Utility Round-up	Russian military morse stations
261	Utility Round-up	Russian military morse stations
261	Utility Round-up	Russian military voice stations
261	Utility Round-up	US JCS Emergency Action Messages
261	Voice stations	E06 transcripts
261	Voice stations	E07 transcripts
261	Voice stations	E11a transcripts
261	Voice stations	E17z transcripts
261	Voice stations	G06 transcripts
261	Voice stations	RMv Vega-33 transcripts
261	Voice stations	S06 transcripts
261	Voice stations	S06s transcripts and oddities
261	Voice stations	S11a transcripts
261	Voice stations	S30 transcripts
261	Voice stations	S32 transcripts
261	Voice stations	V15 logs
262	Contributors	Contributors
262	Digital modes	F01 transcripts
262	Digital modes	F06 transcripts
262	Digital modes	HM01 review
262	Digital modes	M42 logs
262	Digital modes	M42 Russian diplomatic link id's and selcals
262	Digital modes	Q26 logs
262	Digital modes	X06 transcripts
262	Digital modes	XPA1 transcripts
262	Digital modes	XPA2 transcripts
262	Digital modes	XPB1 logs
262	Digital modes	XSL logs
262	Diplomatic stations	Egyptian diplo stations
262	Diplomatic stations	North Korean diplo stations
262	General	New books
262	General	New version of Artemis software
262	Logs	Logs Section
262	Morse stations	M01 transcripts
262	Morse stations	M01b transcripts
262	Morse stations	M12 transcripts
262	Morse stations	M14 transcripts
262	Morse stations	M21 transcripts
262	Morse stations	M51a transcripts
262	Morse stations	M51b transcripts
262	Morse stations	M89 transcripts
262	Morse stations	M95 transcripts
262	Utility Round-up	Jammers
262	Utility Round-up	North Korean military

262	Utility Round-up	Russian military morse stations
262	Utility Round-up	Russian military voice stations
262	Utility Round-up	Unid stations
262	Utility Round-up	US JCS Emergency Action Messages
262	Voice stations	E06 transcripts
262	Voice stations	E07 transcripts
262	Voice stations	E07a transcripts
262	Voice stations	E11a transcripts
262	Voice stations	E17z transcripts
262	Voice stations	G06 transcripts
262	Voice stations	S06 transcripts
262	Voice stations	S06s oddities
262	Voice stations	S11a transcripts
262	Voice stations	V07 transcripts
262	Voice stations	V13 logs
263	Contributors	Contributors
263	Digital modes	F01 transcripts
263	Digital modes	F06 transcripts
263	Digital modes	HM01 review
263	Digital modes	M42 logs
263	Digital modes	M42b transcripts
263	Digital modes	Q26 technical problems
263	Digital modes	X06 transcripts
263	Digital modes	XPA1 transcripts
263	Digital modes	XPA2 transcripts
263	Digital modes	XPB1 logs
263	Diplomatic stations	Egyptian diplo stations
263	Diplomatic stations	North Korean diplo stations
263	Logs	Logs Section
263	Morse stations	M01 transcripts
263	Morse stations	M01a transcripts
263	Morse stations	M01b transcripts
263	Morse stations	M12 transcripts
263	Morse stations	M14 transcripts
263	Morse stations	M21 transcripts
263	Morse stations	M22 transcripts
263	Morse stations	M41 transcripts
263	Morse stations	M51a transcripts
263	Morse stations	M51b transcripts
263	Morse stations	M89 transcripts
263	Morse stations	M90 transcripts
263	Morse stations	M95 transcripts
263	Utility Round-up	Japanese Navy
263	Utility Round-up	North Korean military. Navy location reports
263	Utility Round-up	Russian military morse stations
263	Utility Round-up	Russian military voice stations
263	Utility Round-up	US JCS Emergency Action Messages
263	Voice stations	E06 transcripts
263	Voice stations	E07 transcripts
263	Voice stations	E07a transcripts
263	Voice stations	E11a transcripts
263	Voice stations	E17z transcripts, exercises
263	Voice stations	G06 transcripts
263	Voice stations	S06 transcripts
263	Voice stations	S06b transcripts
263	Voice stations	S11a transcripts
263	Voice stations	S30 transcripts
263	Voice stations	S32 transcripts
263	Voice stations	V07 transcript

263	Voice stations	VC05 log
263	Voice stations	Vega-33 transcripts
264	Contributors	Contributors
264	Digital modes	F01 transcripts
264	Digital modes	F06 transcripts
264	Digital modes	HM01 review. Defetive sync sequence
264	Digital modes	M42 logs
264	Digital modes	M42b logs
264	Digital modes	X06 transcripts
264	Digital modes	XPA1 transcripts
264	Digital modes	XPA2 transcripts
264	Digital modes	XPB1 logs
264	Diplomatic stations	Egyptian diplo stations
264	Diplomatic stations	North Korean diplo stations
264	General	Secret Comms exhibition announcement
264	Logs	Logs Section
264	Morse stations	M01 transcripts
264	Morse stations	M01a transcripts
264	Morse stations	M01b transcripts
264	Morse stations	M12 transcripts
264	Morse stations	M14 transcripts
264	Morse stations	M21 transcripts
264	Morse stations	M41 transcripts
264	Morse stations	M51a transcripts
264	Morse stations	M51b transcripts
264	Morse stations	M89 transcripts
264	Morse stations	M95 transcripts
264	Utility Round-up	Japanese Air Force logs and transcripts
264	Utility Round-up	Japanese Army transcripts
264	Utility Round-up	North Korean navy logs
264	Utility Round-up	Russian military morse stations
264	Utility Round-up	Russian military morse stations
264	Utility Round-up	Russian military morse stations
264	Utility Round-up	Russian military voice stations
264	Utility Round-up	Russian military voice stations
264	Utility Round-up	Unid stations
264	Utility Round-up	US JCS Emergency Action Messages
264	Voice stations	E06 transcripts
264	Voice stations	E07 transcripts
264	Voice stations	E11a transcripts
264	Voice stations	E17z transcripts
264	Voice stations	G06 transcripts
264	Voice stations	S11a transcripts
264	Voice stations	S30 transcripts
264	Voice stations	S32 transcripts
264	Voice stations	V07 transcripts
264	Voice stations	VC05 log
264	Voice stations	Vega-33 transcripts
265	Contributors	Contributors
265	Digital modes	F01 transcripts
265	Digital modes	F06 transcripts
265	Digital modes	HM01 review and oddities
265	Digital modes	M42 logs
265	Digital modes	X06 transcripts
265	Digital modes	XPA1 transcripts
265	Digital modes	XPA2 transcripts
265	Digital modes	XPB1 logs
265	Diplomatic stations	Egyption diplo stations
265	Diplomatic stations	North Korean diplo stations

265	General	Intelligence books
265	General	Secret Comms exhibition announcement
265	Logs	Logs Section
265	Morse stations	M01 transcripts
265	Morse stations	M01a transcripts
265	Morse stations	M01b transcripts
265	Morse stations	M12 transcripts
265	Morse stations	M14 transcripts
265	Morse stations	M21 transcripts
265	Morse stations	M23 transcripts
265	Morse stations	M51a transcripts
265	Morse stations	M51b transcripts
265	Morse stations	M89 transcripts
265	Morse stations	M90 transcripts
265	Morse stations	M95 transcripts
265	Utility Round-up	Jammers
265	Utility Round-up	Russian military channel markers
265	Utility Round-up	Russian military morse stations
265	Utility Round-up	Russian military morse stations
265	Utility Round-up	Russian military morse stations
265	Utility Round-up	Russian military morse stations
265	Utility Round-up	Russian military voice stations
265	Utility Round-up	US JCS Emergency Action Messages
265	Voice stations	E06 transcripts
265	Voice stations	E07 transcripts
265	Voice stations	E11a transcripts
265	Voice stations	E17z transcripts
265	Voice stations	G06 transcripts
265	Voice stations	S06s transcripts
265	Voice stations	S11a transcripts
265	Voice stations	S30 transcripts
265	Voice stations	S32 transcripts
265	Voice stations	V07 transcripts
265	Voice stations	V28 logs
265	Voice stations	Vega-33 transcripts
266	Contributors	Contributors
266	Digital modes	F01 transcripts
266	Digital modes	F06 transcripts
266	Digital modes	F06a transcripts
266	Digital modes	HM01 review
266	Digital modes	M42 logs
266	Digital modes	M42b logs
266	Digital modes	X06 transcripts
266	Digital modes	XPA1 transcripts
266	Digital modes	XPA2 transcripts
266	Digital modes	XPB1 logs
266	Diplomatic stations	Egyptian diplo stations
266	Diplomatic stations	North Korean diplo stations
266	General	Secret Communications exhibition photo impression
266	Logs	Logs Section
266	Morse stations	M01 transcripts
266	Morse stations	M01a transcripts
266	Morse stations	M01b transcripts
266	Morse stations	M12 transcripts
266	Morse stations	M14 transcripts
266	Morse stations	M21 transcripts
266	Morse stations	M51a transcripts
266	Morse stations	M51b transcripts
266	Morse stations	M89 transcripts

266	Morse stations	M95 transcripts
266	Morse stations	UM03 transcripts
266	Utility Round-up	Jammers
266	Utility Round-up	Japanese military
266	Utility Round-up	North Korean military
266	Utility Round-up	Propaganda stations
266	Utility Round-up	Russian military morse stations
266	Utility Round-up	Russian military morse stations
266	Utility Round-up	Russian military morse stations
266	Utility Round-up	Russian military voice stations
266	Utility Round-up	Russian military voice stations
266	Utility Round-up	US JCS Emergency Action Messages
266	Voice stations	E06 transcripts
266	Voice stations	E07 transcripts
266	Voice stations	E07a transcripts
266	Voice stations	E11a transcripts
266	Voice stations	E17z transcripts
266	Voice stations	G06 transcripts
266	Voice stations	RMv Vega-33 transcripts
266	Voice stations	S06 transcripts
266	Voice stations	S11a transcripts
266	Voice stations	S30 transcripts
266	Voice stations	S32 transcripts
266	Voice stations	V07 transcripts
266	Voice stations	V15 log
267	Contributors	Contributors
267	Digital modes	F01 transcripts
267	Digital modes	F06 transcripts
267	Digital modes	HM01 review and oddities
267	Digital modes	M42 logs
267	Digital modes	M42b logs
267	Digital modes	X06 transcripts
267	Digital modes	XPA1 transcripts
267	Digital modes	XPA2 transcripts
267	Digital modes	XPB1 logs
267	Diplomatic stations	Egyptian diplomatic stations
267	General	FSB attacked
267	General	New Year wishes
267	General	Secret Communications exhibition announcement
267	Logs	Logs section
267	Morse stations	M01 transcripts
267	Morse stations	M01a transcripts
267	Morse stations	M01b transcripts
267	Morse stations	M12 transcripts
267	Morse stations	M14 transcripts
267	Morse stations	M21 transcripts
267	Morse stations	M41 transcripts
267	Morse stations	M89 transcripts
267	Morse stations	M95 transcripts
267	Morse stations	MX Beacon G
267	Morse stations	UM03 transcripts
267	Utility Round-up	Japanese Air Force
267	Utility Round-up	Japanese Army
267	Utility Round-up	North Korean military
267	Utility Round-up	North Korean military
267	Utility Round-up	Russian military morse stations
267	Utility Round-up	Russian military voice stations
267	Utility Round-up	Ukrainian-Russian propaganda war
267	Utility Round-up	US JCS Emergency Action Messages

267	Voice stations	Baron-78 transcripts
267	Voice stations	E06 transcripts
267	Voice stations	E07 transcripts
267	Voice stations	E07a transcripts
267	Voice stations	E11a transcripts
267	Voice stations	E17z transcripts
267	Voice stations	G06 transcripts
267	Voice stations	S06s oddities
267	Voice stations	S11a transcripts
267	Voice stations	S30 transcripts
267	Voice stations	S32 transcripts
267	Voice stations	V07 transcripts
267	Voice stations	Vega-33 transcripts

"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.

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

Relevant mailing lists and websites:

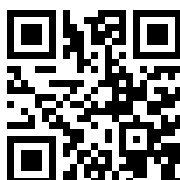
NUMBERS & ODDITIES <http://www.numbersoddities.nl>
SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>
UDXF - UTILITY DXERS FORUM <http://www.udxf.nl>
HF UNDERGROUND <http://www.hfunderground.com/board/>
PRIYOM <http://priyom.org/>
ENIGMA <http://www.signalshed.com/>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.qth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

070 27364 92636 89428 61286 14982 36998 32764 31276 81
086 88932 78987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 78
023 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98670 27601 56701 57601 73648 1
591 87364 87265 96710 27630 12673 84769 28743 98127 0
63298 75698 27465 87326 49876 28376 81273 98615 0
67 87432 74328 78674 29867 32867 67867 86786 43286 43
57 68768 68743 34234 34238 68768 62342 48273 48768 23
736 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
741 86743 86743 86743 86743 86743 86743 86743 86743 86
743 98798 98754 98754 98754 98754 29867 67543 67986 86
76 87698 69876 87698 69876 87612 12341 30867 86798 66
667 43298 65656 54756 56123 32143 14321 32143 14321 321
98 02787 58765 76587 58765 76587 58765 76587 58765 765
00754 95007 86768 36543 58965 36543 58965 36543 58965

N&O



UDXF

