

8/9 - 2013 € 2,60

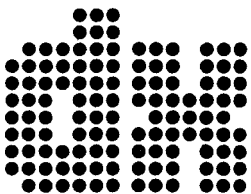
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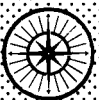
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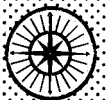
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WORLD WIDE DX CLUB



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- WORLDWIDE DX CLUB homepage in the Internet at: <<http://www.wwdxc.de>>
- Weekly "TopNews" by Wolfgang Büschel at: <<http://topnews.wwdxc.de>> (available free of charge by E-Mail to our members on request)
- Latest DRM schedule at: <<http://www.wwdxc.de/drm.htm>>



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DX MAGAZINE No. 8/9 ■ Vol. XLVIII ■ August/September 2013

Hello again,

Welcome to the annual summer double issue of our DX MAGAZINE. Like in the past years you will find our normal monthly sections, some articles, and our annual "List of Members". We have also included Wolfgang Büschel's latest list of "SWL/Media Programs in English, German & Spanish" and hope that you will enjoy this double edition and wish you a nice and sunny August and September.

And with this best wishes and good DX until October from

NEWS ABOUT BROADCASTING (+other) STATIONS
Walter Eibl · Postfach 15 45 · D-91005 Erlangen · GERMANY

ALGERIA [FRANCE] - TDA Algiers in Arabic, different programmes on 9375 and 11765 kHz via F at 2030-2040 UT July 12, both S=9 heard in Germany, scheduled 9375 2000-2158 UT 11765 1900-2058 UT – and 2100-2300 UT 7495 kHz. (wb)

Summer A-13 schedule of Radio TV Algerienne:

0400-0458 on 7295 F 500 kW / 162 deg to CEAF Arabic Nat. Chaîne 1
 0500-0558 on 7295 F 500 kW / 194 deg to NWAf Arabic Nat. Chaîne 1
 0500-0505 on 9535 F 500 kW / 162 deg to CEAF French news bulletin
 0505-0558 on 9535 F 500 kW / 162 deg to CEAF Arabic Holy Quran px
 0600-0605 on 11985 F 500 kW / 194 deg to NWAf French news bulletin
 0605-0658 on 11985 F 500 kW / 194 deg to NWAf Arabic Holy Quran px
 1800-1900 on 13820 F 500 kW / 162 deg to CEAF Arabic Nat. Chaîne 1
 1900-2000 on 11765 F 500 kW / 194 deg to NWAf Arabic Nat. Chaîne 1
 1900-1905 on 13820 F 500 kW / 162 deg to CEAF French news bulletin
 1905-1958 on 13820 F 500 kW / 162 deg to CEAF Arabic Holy Quran px
 2000-2100 on 9375 F 500 kW / 162 deg to CEAF Arabic Nat. Chaîne 1
 2000-2005 on 11765 F 500 kW / 194 deg to NWAf French news bulletin
 2005-2058 on 11765 F 500 kW / 194 deg to NWAf Arabic Holy Quran px
 2100-2200 on 7495 F 500 kW / 194 deg to NWAf Arabic Nat. Chaîne 1
 2100-2105 on 9375 F 500 kW / 162 deg to CEAF French news bulletin
 2105-2158 on 9375 F 500 kW / 162 deg to CEAF Arabic Holy Quran px
 2200-2205 on 7495 F 500 kW / 194 deg to NWAf French news bulletin
 2205-2258 on 7495 F 500 kW / 194 deg to NWAf Arabic Holy Quran px
 (DX MIX NEWS #790, July 15, 2013)

ANTARCTICA - LRA 36 quite strong today --- I checked during some free time at 1910 UT via Twente and found a strong carrier and little or no BBC Arabic splatter. Very easily audible in LSB. They are audible but a little muffled in AM. Hearing a song from "Grease" at 1925 with female announcer in Spanish. By far the best I have ever heard them. As strong and at times stronger than BBC on 15480. (Dave Hughes, MO, Aug 13, dxldyg via WOR 1682, DXLD)

ARMENIA - 4810, Armenian Radio, 1908, Arabic, vocals to about 1915, then talk by a man. Fair. 10/8 (David Sharp, NSW, dxldyg via DXLD)

A13 Gavar Armenia combined tentative schedule:

0000-0500	12060	VOICE OF RUS	Spanish	500	258	1234567	VOR a13 (9400kHz)
0000-2400	1395	Radio Kavkaz	Russian	500		1234567	RKavkaz/RR
0100-0130	9915	BBC	Hindi	300	100	1234567	BBC a13
0100-0130	11790	BBC	Pashto	100	125	1234567	BBC a13
0100-0300	1377	VOICE OF RUS	Turkish	1000	180	1234567	VOR a13
0100-0500	1314	VOICE OF RUS	English	1000	180	1234567	VOR a13
0100-0500	9435	VOICE OF RUS	Spanish	500	305	1234567	VOR a13
0100-2400	1395	VOICE OF RUS	Russian	500		1234567	VORWS a13
0130-0200	9915	BBC	Urdu	300	100	1234567	BBC a13
0130-0200	11790	BBC	Dari	100	125	1234567	BBC a13
0200-0300	864	RFE/R. LIBERT	Turkmen	1000	180	1234567	IBB/RFE a13
0200-0230	11790	BBC	Pashto	100	125	1234567	BBC a13
0230-0300	11790	BBC	Dari	100	125	1234567	BBC a13
0300-0330	11995	BBC	Urdu	300	100	1234567	BBC a13
0300-0330	15310	BBC	Pashto	300	100	1234567	BBC a13
0300-0500	1350	VOICE OF RUS	Turkish	600	232	1234567	VOR a13
0400-0600	9860	reserve	multi	100	306	1234567	SPC
0600-0900	9870	reserve	multi	100	306	1234567	SPC
0700-1200	15780	reserve	multi	300	191	1234567	SPC
0800-1100	9540	reserve	multi	300	125	1234567	SPC
0800-1200	13600	reserve	multi	100	305	1234567	SPC
1215-1245	4810	VOICE OF ARM	Kurdish	100	140	1234567	PRA
1245-1300	4810	VOICE OF ARM	Azeri	100	140	1234567	PRA
1300-1315	4810	VOICE OF ARM	Azeri	100	140	.23456.	PRA
1300-1315	4810	VOICE OF ARM	Turkish	100	140	1....7	PRA
1300-1500	1350	VOICE OF RUS	Turkish	600	232	1234567	VOR a13
1300-1500	1377	CNR 1	Chinese	600		1234567	CNR1 a13
1315-1330	4810	VOICE OF ARM	Turkish	100	140	1234567	PRA
1330-1400	4810	VOICE OF ARM	Persian	100	140	1234567	PRA
1400-1430	4810	VOICE OF ARM	Yezidi	100	140	1234567	PRA
1400-1600	1314	VOICE OF RUS	Turkish	1000	180	1234567	VOR a13
1400-1600	9900	VOICE OF RUS	English	500	192	1234567	VOR a13
1430-1445	4810	VOICE OF ARM	Assyrian	100	140	1234567	PRA
1430-1630	15650	Korean Cland	Korean	200	65	1234567	WRN
1500-1530	801	VOICE OF ARM	Uzbek	1000	180	1234567	IBB/VOA a13
1500-1530	864	RFE/R. LIBERT	Uzbek	1000	ND	1234567	IBB/RFE a13
1500-1530	4810	VOICE OF ARM	Kurdish	100	140	1234567	PRA
1500-1530	11755	FEBA RADIO	Dari	300	100	1234567	FEBA a13
1500-1700	1377	VOICE OF RUS	Persian	1000	180	1234567	VOR a13
1530-1600	864	RFE/R. LIBERT	Turkmen	1000	180	1234567	IBB/RFE a13
1530-1600	11755	FEBA RADIO	Pashto	300	100	1234567	FEBA a13
1600-1630	12125	FEBA RADIO	Amharic	300	192	1...567	FEBA a13
1600-1630	12125	FEBA RADIO	Guragena	300	192	.234...	FEBA a13
1600-1700	1377	VOICE OF RUS	Arabic	1000	180	1234567	VOR a13
1600-1800	9900	VOICE OF RUS	French	500	192	1234567	VOR a13
1600-2100	1314	VOICE OF RUS	Arabic	1000	180	1234567	VOR a13
1630-1700	12125	FEBA RADIO	Amharic	300	192	1234567	FEBA a13
1700-2100	11590	reserve	multi	300	90	1234567	SPC
1730-1800	7475	FEBA RADIO	Silte	300	192	1234567	FEBA a13
1800-1815	1377	TWR Europe	Uzbek	500	180	12345.7	TWR b12
1800-1900	9900	VOICE OF RUS	English	500	192	1234567	VOR a13
1800-2200	7570	reserve	multi	100	119	1234567	SPC
1815-1830	1350	TWR Europe	Kurdish	600	232	1234567	DAR b12
1815-1830	1377	TWR Europe	Persian	500	180	12345.7	TWR b12
1815-1830	1377	TWR Europe	Qashqai	500	1806.	TWR b12
1830-1900	1350	TWR Europe	Turkish	600	232	1234567	DAR b12
1830-2000	1377	TWR Europe	Persian	500	180	1234567	TWR b12
1900-1930	4810	VOICE OF ARM	Arabic	100	140	1234567	PRA
1900-2000	9900	VOICE OF RUS	Arabic	500	192	1234567	VOR a13
1901-1931	1350	TWR Europe	Hebrew	600	232	12345.7	DAR b12
1901-1931	1350	TWR Europe	Russian	600	2326.	DAR b12

2000-2015	1377	TWR Europe	Arabic	500	180	1234567	TWR	b12
2000-2100	9895	VOICE OF RUS	Arabic	500	192	1234567	VOR	a13
2015-2030	1377	TWR Europe	Arabic	500	180	12.4567	TWR	b12
2015-2030	1377	TWR Europe	Assyrian	500	180	. .3. . . .	TWR	b12
2030-2100	1377	TWR Europe	Arabic	500	180	1234567	TWR	b12
2100-2230	1314	VOICE OF RUS	Turkish	1000	180	1234567	VOR	a13
2200-0300	1350	TWR Europe	Arabic	600	232	1234567	DAR	b12
2200-2400	12060	VOICE OF RUS	Portuguese	500	258	1234567	VOR	a13 (9400kHz)
2330-0030	11595	DEM.VOICE	Burmese/di	300	100	1234567	DVB	a13 (7510kHz)

(AOKI Nagoya and HFCC list, July 16)

AUSTRALIA - 4835, ABC Alice Springs, 1010 audible and readable amid WWCR slop QRM. Almost as strong as WWCR at 1024!! Live Australian Football coverage perfectly readable. Pacific reception better than usual. 4 August. (Dave Valko, Dunlo PA, HCDX via DXLD)

Radio Australia suspended its programs in Indonesian and Chinese on shortwave. The last day for these programs was July 21, 2013.

2200-2330	on	9610	UAE	250 kW	/	105 deg	to	SEAs,	former	in	Indonesian
2200-2330	on	11695	SHP	100 kW	/	329 deg	to	SEAs,	former	in	Indonesian
0000-0030	on	17750	SHP	100 kW	/	329 deg	to	SEAs,	former	in	Indonesian
0400-0500	on	17800	HBN	100 kW	/	270 deg	to	SEAs,	former	in	Indonesian
0400-0530	on	17750	SHP	100 kW	/	329 deg	to	SEAs,	former	in	Indonesian
1300-1430	on	9475	SHP	100 kW	/	329 deg	to	SEAs,	former	in	Chinese
1300-1430	on	9965	HBN	100 kW	/	318 deg	to	EAs,	former	in	Chinese
1300-1430	on	12085	SHP	100 kW	/	329 deg	to	SEAs,	former	in	Chinese

(DX RE MIX NEWS #792, July 29, 2013)

AUSTRIA / FRANCE / GERMANY - Additional broadcasts of Brother Stair via Media Broadcast from July 30:

1200-1400	15205	F	100 kW	060 deg	to	EEu	English
1200-1400	17750	F	100 kW	120 deg	to	NE/ME	English
2100-2300	15390	N	125 kW	240 deg	to	SAm	English
2100-2300	15620	N	125 kW	300 deg	to	NAm	English
1700-1800	13590	OE	300 kW	175 deg	to	NAf	English, deleted

(Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 30)

BOLIVIA - 3310, Radio Mosoj Chaski, Cochabamba, 1030 appears to have returned, YL noted, alas tuned in late for Bolivia. 28 July (Bob Wilkner, Pompano Beach, South Florida, US, DXLD)

Also heard in Salzburg/Austria in August. Was off since first week of June, 2013. (we)

BRAZIL - 4915.03, R. Daqui/Anhanguera, 0857 long announcement by M with several mentions of Anhanguera and mailing address, then soft vocal song, and ranchera-like song. 0903:15 canned Anhanguera ID by M, and another ZY Ranchera. 0906:10 full canned Anhanguera ID by M. Then religious program ending with contact info and website. Starting to fade by 0930. Not one mention or ID of Daqui. It actually looks like there is another signal here beside it, but is probably that most of the modulation is on the high side. There was a het from another signal on 4914.94. MP3 recording at <<https://app.box.com/s/zxbmo7gjcptuze9o0fd>> 5 August (Dave Valko, Dunlo PA, HCDX via DXLD)

4914.99, R. Difusora Macapá. Mention of Macapá by live studio M announcer at 0953 during announcement after ZY pop song. Nice ID by M over "Ave Maria" at 0955, then what sounded like inspirational talk by W until Daqui/Anhanguera fired up at 0858:41. It looks odd that both stations` modulation is mostly on the high side. Wonder if both are using the same type transmitter?? Very noisy conditions this morning. 6 August. (Dave Valko, Dunlo PA, HCDX via DXLD)

5939.87, 2340-2350 08.08, Voz Missionária, Camboriú, SC, Portuguese man preaching and singing, choir singing hymn with a simple drum accompaniment 35233 (Anker Petersen, latest loggings from Skovlunde, Denmark on my AOR and RadioJet, via Dario Monferini, playdx yg via DXLD)

6080.05, 0000-0010 09.08, R Marumby, Curitiba, PR, Portuguese religious conversation, 25222 (Anker Petersen, latest loggings from Skovlunde, Denmark on my AOR and RadioJet, via Dario Monferini, playdx yg via DXLD)

6105.00, 2335-2345 06.08, R Filadélfia, Foz do Iguacu, PR, Portuguese religious talk, 25222. (Anker Petersen, latest loggings from Skovlunde, Denmark on my AOR and RadioJet, via Dario Monferini, playdx yg via DXLD)

11854.945, R Aparecida in Portuguese, just on poorthreshold level in our European morning at 1020 UT (wb, Aug 10, wwdxc BC-DX TopNews Aug 11)

11915, Rádio Gaúcha – Puerto Alegre (Presumed), 0017, 8/4/13 in Portuguese. Brass band music (kind of rustic) Fair (Mark Taylor, Madison WI, Perseus, WinRadio g313e, Eton e1, Grunding G5; EWE, Flexenna, NASWA Flashsheet via DXLD)

15191.251, Rádio Inconfidência, poor S=3-4 signal, just on threshold level in mid-night European time slot, 0218 UT. I could distinguish only spoken content from music. At 1040 on 15191.256 (wb, Aug 10, wwdxc BC-DX TopNews Aug 11)

BULGARIA - Updated schedule of Brother Stair TOM via Kostinbrod

1800-2200 9700 SOF 050 kW 306 deg to WeEUR English

1900-2100 11850 SOF 070 kW 195 deg to EaAF English

(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews Aug 5)

CHINA [and non] - A-13 SW schedule of China Radio International:

0000-0057 on 5990 HAB 250 kW / non-dir to CeAm Spanish
 0000-0057 on 6075 KAS 100 kW / 174 deg to SoAs English
 0000-0057 on 6020 CER 300 kW / 305 deg to NoAm English
 0000-0057 on 6180 KAS 100 kW / 173 deg to SoAs English
 0000-0057 on 7350 KAS 500 kW / 308 deg to WeEu English
 0000-0057 on 7405 HUH 100 kW / 345 deg to FERu Russian
 0000-0057 on 7415 KAS 100 kW / 174 deg to SoAs English
 0000-0057 on 9435 KUN 100 kW / 184 deg to SEAs Chinese
 0000-0057 on 9460 KUN 150 kW / 163 deg to SEAs Hakka
 0000-0057 on 9470 URU 100 kW / 080 deg to CeAs Mongolian
 0000-0057 on 9510 HUH 100 kW / 345 deg to FERu Russian
 0000-0057 on 9550 KUN 100 kW / 191 deg to SEAs Hakka
 0000-0057 on 9560 BEI 500 kW / 318 deg to SoAm Portuguese
 0000-0057 on 9570 CER 300 kW / 305 deg to NoAm English
 0000-0057 on 9590 KAS 500 kW / 269 deg to SoAm Spanish
 0000-0057 on 9610 KUN 100 kW / 225 deg to SEAs Hakka
 0000-0057 on 9710 KAS 500 kW / 269 deg to SoAm Portuguese
 0000-0057 on 9765 NNN 100 kW / 200 deg to SEAs Cambodian
 0000-0057 on 9800 KAS 500 kW / 269 deg to SoAm Spanish
 0000-0057 on 11770 BEI 500 kW / 193 deg to SEAs Vietnamese
 0000-0057 on 11780 JIN 500 kW / 059 deg to EaAs Chinese
 0000-0057 on 11790 XIA 500 kW / 190 deg to SEAs English
 0000-0057 on 11820 XIA 500 kW / 200 deg to SEAs Cantonese
 0000-0057 on 11875 BEI 500 kW / 318 deg to CeAs Mongolian
 0000-0057 on 11885 XIA 500 kW / 200 deg to SEAs English
 0000-0057 on 11900 BEI 150 kW / 095 deg to EaAs Chinese
 0000-0057 on 11975 KUN 500 kW / 177 deg to SEAs Chinese
 0000-0057 on 11990 NNN 100 kW / 200 deg to SEAs Cambodian
 0000-0057 on 12035 XIA 500 kW / 200 deg to SEAs Chinese
 0000-0057 on 13580 BEI 500 kW / 215 deg to SEAs Chinese
 0000-0057 on 13655 XIA 500 kW / 073 deg to EaAs Chinese
 0000-0057 on 13750 BEI 150 kW / 095 deg to SEAs English
 0000-0057 on 13770 XIA 500 kW / 190 deg to SEAs Vietnamese
 0000-0057 on 15100 JIN 500 kW / 161 deg to SEAs Hakka
 0000-0057 on 15120 HAB 250 kW / 160 deg to SoAm Spanish
 0000-0057 on 15125 BEI 500 kW / 215 deg to SEAs English
 0000-0057 on 17495 BEI 500 kW / 193 deg to SEAs Cantonese
 0100-0157 on 5905 KAS 100 kW / non-dir to CeAs Russian
 0100-0157 on 6020 CER 300 kW / 305 deg to NoAm English
 0100-0157 on 6180 KAS 100 kW / 173 deg to SoAs English
 0100-0157 on 7240 KAS 100 kW / 209 deg to SoAs Urdu
 0100-0157 on 9460 KUN 150 kW / 163 deg to SEAs Amoy
 0100-0157 on 9470 KAS 500 kW / 308 deg to WeEu English
 0100-0157 on 9535 KAS 100 kW / 174 deg to SoAs English
 0100-0157 on 9550 KUN 150 kW / 191 deg to SEAs Amoy
 0100-0157 on 9560 KAS 100 kW / 173 deg to SoAs Chinese
 0100-0157 on 9570 CER 300 kW / 305 deg to NoAm English
 0100-0157 on 9580 HAB 250 kW / 010 deg to NEAm English
 0100-0157 on 9595 KAS 500 kW / 269 deg to SoAm Spanish
 0100-0157 on 9610 KUN 100 kW / 225 deg to SEAs Amoy

0100-0157 on 9655 NNN 100 kW / 200 deg to SEAs Chinese
 0100-0157 on 9675 KAS 500 kW / 308 deg to WeEu English
 0100-0157 on 9695 KAS 100 kW / 209 deg to SoAs Urdu
 0100-0157 on 9710 KAS 500 kW / 294 deg to SoAm Spanish
 0100-0157 on 11650 URU 500 kW / 212 deg to SoAs Chinese
 0100-0157 on 11870 KAS 100 kW / 174 deg to SoAs English
 0100-0157 on 11880 NNN 100 kW / 200 deg to SEAs Chinese
 0100-0157 on 11945 KUN 150 kW / 177 deg to SEAs Amoy
 0100-0157 on 11980 KUN 100 kW / 184 deg to SEAs Amoy
 0100-0157 on 13580 BEI 500 kW / 215 deg to SEAs Chinese
 0100-0157 on 13600 XIA 500 kW / 292 deg to EaEu Russian from May 29 off
 0100-0157 on 13655 XIA 500 kW / 073 deg to EaAs Chinese
 0100-0157 on 15110 BEI 500 kW / 165 deg to SEAs Amoy
 0100-0157 on 15125 BEI 500 kW / 215 deg to SEAs English
 0100-0157 on 15140 XIA 500 kW / 200 deg to SEAs Chinese
 0100-0157 on 15160 JIN 500 kW / 059 deg to EaAs Chinese
 0100-0157 on 15425 XIA 500 kW / 190 deg to SEAs Amoy
 0100-0157 on 15785 XIA 500 kW / 200 deg to SEAs English
 0100-0157 on 17495 BEI 500 kW / 193 deg to SEAs Amoy
 0130-0227 on 11860 KUN 500 kW / 283 deg to SoAs Nepalese
 0130-0227 on 13780 KUN 500 kW / 283 deg to SoAs Nepalese
 0200-0227 on 9765 KAS 100 kW / 239 deg to WeAs Pashto
 0200-0227 on 11870 KAS 100 kW / 239 deg to WeAs Pashto
 0200-0227 on 15435 XIA 100 kW / 292 deg to WeAs Pashto
 0200-0257 on 5915 KAS 100 kW / non-dir to CeAs Russian
 0200-0257 on 6020 CER 300 kW / 305 deg to NoAm Chinese
 0200-0257 on 9450 KAS 100 kW / 209 deg to SoAs Urdu
 0200-0257 on 9570 CER 300 kW / 305 deg to NoAm Chinese
 0200-0257 on 9580 HAB 250 kW / 010 deg to NEAm Chinese
 0200-0257 on 959% KAS 500 kW / 269 deg to SoAm Spanish
 0200-0257 on 9655 KUN 150 kW / 270 deg to SoAs Bengali
 0200-0257 on 9690 NOB 250 kW / 290 deg to CeAm Chinese
 0200-0257 on 9710 KAS 500 kW / 294 deg to SoAm Spanish
 0200-0257 on 9815 KAS 500 kW / 269 deg to SoAm Chinese
 0200-0257 on 9825 KAS 100 kW / 174 deg to SoAs Chinese
 0200-0257 on 11640 KUN 150 kW / 270 deg to SoAs Bengali
 0200-0257 on 11650 KAS 100 kW / 209 deg to SoAs Urdu
 0200-0257 on 11770 KAS 100 kW / 174 deg to SoAs English
 0200-0257 on 13600 KAS 100 kW / 173 deg to SoAs Tamil
 0200-0257 on 13640 KAS 100 kW / 174 deg to SoAs English
 0200-0257 on 13655 XIA 500 kW / 073 deg to EaAs Chinese
 0200-0257 on 15160 JIN 500 kW / 059 deg to EaAs Chinese
 0200-0257 on 15170 BEI 500 kW / 322 deg to SoAm Chinese
 0200-0257 on 15260 KAS 100 kW / 173 deg to SoAs Tamil
 0200-0257 on 15425 XIA 500 kW / 190 deg to SEAs Amoy
 0200-0257 on 17495 BEI 500 kW / 193 deg to SEAs Amoy
 0200-0257 on 17615 XIA 500 kW / 292 deg to EaEu Russian from May 29 off
 0230-0327 on 11730 KUN 500 kW / 283 deg to SoAs Nepalese
 0230-0327 on 13780 KUN 500 kW / 283 deg to SoAs Nepalese
 0300-0357 on 5915 KAS 100 kW / non-dir to CeAs Russian
 0300-0357 on 6020 CER 300 kW / 305 deg to NoAm Chinese
 0300-0357 on 9450 KAS 100 kW / 209 deg to SoAs Chinese
 0300-0357 on 9570 CER 300 kW / 305 deg to NoAm Chinese
 0300-0357 on 9690 NOB 250 kW / 290 deg to CeAm English
 0300-0357 on 9790 HAB 250 kW / 350 deg to NWAm English
 0300-0357 on 11640 KAS 100 kW / 209 deg to SoAs Hindi
 0300-0357 on 11770 KAS 100 kW / 174 deg to SoAs English
 0300-0357 on 13600 KUN 150 kW / 234 deg to SoAs Tamil
 0300-0357 on 13720 KAS 100 kW / 209 deg to SoAs Hindi
 0300-0357 on 13730 KAS 100 kW / 173 deg to SoAs Tamil
 0300-0357 on 13750 BEI 150 kW / 095 deg to EaAs English
 0300-0357 on 15110 KAS 100 kW / 174 deg to SoAs English
 0300-0357 on 15120 BEI 500 kW / 322 deg to FERu English
 0300-0357 on 15130 BEI 150 kW / 095 deg to EaAs Chinese
 0300-0357 on 15160 JIN 500 kW / 059 deg to EaAs Cantonese

0300-0357 on 15210 KAS 100 kW / 173 deg to SoAs Hindi
 0300-0357 on 15230 XIA 500 kW / 073 deg to EaAs Cantonese
 0300-0357 on 15350 KAS 100 kW / 174 deg to SoAs Hindi
 0300-0357 on 15425 XIA 500 kW / 292 deg to EaEu Russian from May 29 off
 0300-0357 on 15435 URU 500 kW / 270 deg to CeAs Russian
 0300-0357 on 15785 XIA 500 kW / 354 deg to FERu English
 0300-0357 on 17540 BEI 500 kW / 257 deg to SoAs Chinese
 0300-0357 on 17710 JIN 500 kW / 310 deg to EaEu Russian
 0400-0457 on 5905 KAS 100 kW / non-dir to CeAs Russian
 0400-0457 on 9790 HAB 250 kW / 305 deg to NEAm Cantonese
 0400-0457 on 11650 KUN 100 kW / 184 deg to SEAs Vietnamese
 0400-0457 on 13640 KAS 100 kW / 209 deg to SoAs Chinese
 0400-0457 on 13750 BEI 150 kW / 095 deg to EaAs English
 0400-0457 on 15120 BEI 500 kW / 322 deg to FERu English
 0400-0457 on 15130 BEI 150 kW / 095 deg to EaAs Chinese
 0400-0457 on 15160 JIN 500 kW / 059 deg to EaAs Cantonese
 0400-0457 on 15170 KAS 100 kW / 174 deg to SoAs Chinese
 0400-0457 on 15230 XIA 500 kW / 073 deg to EaAs Cantonese
 0400-0457 on 15350 KAS 100 kW / 174 deg to SoAs Hakka
 0400-0457 on 15425 XIA 500 kW / 292 deg to EaEu Russian from May 29 off
 0400-0457 on 15445 KAS 500 kW / 308 deg to WeEu Russian
 0400-0457 on 15665 KAS 500 kW / 308 deg to WeEu Russian
 0400-0457 on 15785 XIA 500 kW / 354 deg to FERu English
 0400-0457 on 17505 XIA 500 kW / 200 deg to SEAs Hakka
 0400-0457 on 17540 KAS 100 kW / 173 deg to SoAs Hakka
 0400-0457 on 17640 XIA 500 kW / 292 deg to CeAs Russian
 0400-0457 on 17710 BEI 500 kW / 193 deg to SEAs Hakka
 0400-0457 on 17730 XIA 500 kW / 292 deg to CeAs English
 0400-0457 on 17740 XIA 500 kW / 190 deg to SEAs Vietnamese
 0400-0457 on 17855 BEI 500 kW / 288 deg to CeAs English
 0500-0557 on 9515 CER 150 kW / 240 deg to NWAf Arabic
 0500-0557 on 9590 CER 150 kW / 140 deg to N/ME Arabic
 0500-0557 on 11640 KUN 100 kW / 184 deg to SEAs Vietnamese
 0500-0557 on 11710 CER 150 kW / 140 deg to N/ME English
 0500-0557 on 11775 CER 150 kW / 240 deg to NWAf Arabic
 0500-0557 on 11895 KAS 100 kW / 209 deg to SoAs English
 0500-0557 on 15110 KAS 100 kW / 174 deg to SoAs Chinese
 0500-0557 on 15120 BEI 500 kW / 322 deg to CeAs Chinese
 0500-0557 on 15130 BEI 150 kW / 095 deg to EaAs Chinese
 0500-0557 on 15170 JIN 500 kW / 059 deg to EaAs Cantonese
 0500-0557 on 15230 XIA 500 kW / 073 deg to EaAs Cantonese
 0500-0557 on 15350 KAS 100 kW / 174 deg to SoAs English
 0500-0557 on 15445 KAS 500 kW / 308 deg to WeEu Russian
 0500-0557 on 15465 KAS 100 kW / 209 deg to SoAs English
 0500-0557 on 15665 KAS 500 kW / 308 deg to WeEu Russian
 0500-0557 on 15785 XIA 500 kW / 354 deg to FERu Chinese
 0500-0557 on 17485 KAS 500 kW / 269 deg to N/ME Arabic
 0500-0557 on 17505 KAS 500 kW / 269 deg to WeAs English
 0500-0557 on 17540 KAS 100 kW / 173 deg to SoAs English
 0500-0557 on 17720 KAS 500 kW / 308 deg to WeEu German
 0500-0557 on 17730 XIA 500 kW / 292 deg to CeAs English
 0500-0557 on 17740 XIA 500 kW / 190 deg to SEAs Vietnamese
 0500-0557 on 17820 KAS 500 kW / 308 deg to WeEu German
 0500-0557 on 17855 BEI 500 kW / 288 deg to CeAs English
 0600-0657 on 9515 CER 150 kW / 240 deg to NWAf Arabic
 0600-0657 on 9590 CER 150 kW / 140 deg to N/ME Arabic
 0600-0657 on 9655 NNN 100 kW / 200 deg to SEAs Chinese
 0600-0657 on 11710 CER 150 kW / 140 deg to N/ME English
 0600-0657 on 11775 CER 150 kW / 240 deg to NWAf Arabic
 0600-0657 on 11870 KAS 100 kW / 239 deg to WeAs English
 0600-0657 on 11895 KAS 100 kW / 209 deg to SoAs English
 0600-0657 on 13660 XIA 500 kW / 190 deg to SEAs English
 0600-0657 on 15120 BEI 500 kW / 322 deg to CeAs Chinese
 0600-0657 on 15140 KAS 100 kW / 239 deg to WeAs English
 0600-0657 on 15170 JIN 500 kW / 059 deg to EaAs Chinese

0600-0657 on 15230 XIA 500 kW / 073 deg to EaAs Chinese
 0600-0657 on 15350 KAS 100 kW / 174 deg to SoAs English
 0600-0657 on 15465 KAS 100 kW / 209 deg to SoAs English
 0600-0657 on 15785 XIA 500 kW / 354 deg to FERu Chinese
 0600-0657 on 17485 KAS 500 kW / 269 deg to N/ME Arabic
 0600-0657 on 17505 KAS 500 kW / 269 deg to WeAs English
 0600-0657 on 17515 KAS 500 kW / 294 deg to SoEu Italian
 0600-0657 on 17540 KAS 100 kW / 173 deg to SoAs English
 0600-0657 on 17615 KUN 500 kW / 177 deg to SEAs Chinese
 0600-0657 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 0600-0657 on 17680 KAS 500 kW / 294 deg to SoEu Spanish
 0600-0657 on 17710 BEI 500 kW / 193 deg to SEAs English
 0600-0657 on 17740 XIA 500 kW / 190 deg to SEAs Chinese
 0600-0657 on 17720 KAS 500 kW / 308 deg to WeEu German
 0600-0657 on 17820 KAS 500 kW / 308 deg to WeEu German
 0600-0757 on 17865 KAS 500 kW / 308 deg to WeEu French
 0700-0757 on 9655 NNN 100 kW / 200 deg to SEAs Chinese
 0700-0757 on 11640 JIN 500 kW / 059 deg to EaAs Cantonese
 0700-0757 on 11785 CER 150 kW / 310 deg to WeEu Chinese
 0700-0757 on 11875 NNN 100 kW / 200 deg to SEAs Chinese
 0700-0757 on 11895 KAS 100 kW / 209 deg to SoAs English
 0700-0757 on 13660 XIA 500 kW / 190 deg to SEAs English
 0700-0757 on 13710 CER 150 kW / 310 deg to WeEu English
 0700-0757 on 15145 XIA 500 kW / 200 deg to SEAs Chaozhou
 0700-0757 on 15230 XIA 500 kW / 073 deg to EaAs Cantonese
 0700-0757 on 15350 KAS 100 kW / 174 deg to SoAs English
 0700-0757 on 15465 KAS 100 kW / 209 deg to SoAs English
 0700-0757 on 17480 KAS 500 kW / 269 deg to WeAs English
 0700-0757 on 17490 KAS 500 kW / 308 deg to WeEu English
 0700-0757 on 17520 KAS 100 kW / 174 deg to SoAs Chinese
 0700-0757 on 17540 KAS 100 kW / 173 deg to SoAs English
 0700-0757 on 17560 XIA 500 kW / 200 deg to SEAs Chaozhou
 0700-0757 on 17615 KUN 500 kW / 177 deg to SEAs Chinese
 0700-0757 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 0700-0757 on 17680 KAS 500 kW / 294 deg to SoEu Spanish
 0700-0757 on 17710 BEI 500 kW / 193 deg to SEAs English
 0700-0757 on 17740 XIA 500 kW / 190 deg to SEAs Chinese
 0700-0757 on 17865 KAS 500 kW / 308 deg to WeEu French
 0800-0857 on 7295 BK0 100 kW / non-dir to WeAf Hausa *
 0800-0857 on 9880 BEI 150 kW / 095 deg to EaAs Chinese
 0800-0857 on 11620 XIA 500 kW / 073 deg to EaAs English
 0800-0857 on 11640 JIN 500 kW / 059 deg to EaAs Chinese
 0800-0857 on 11785 CER 150 kW / 310 deg to WeEu Chinese
 0800-0857 on 13710 CER 150 kW / 310 deg to WeEu English
 0800-0857 on 15230 XIA 500 kW / 073 deg to EaAs Chinese
 0800-0957 on 15335 KAS 500 kW / 308 deg to WeEu Russian
 0800-0857 on 15350 KAS 100 kW / 174 deg to SoAs English
 0800-0857 on 15465 KAS 100 kW / 209 deg to SoAs English
 0800-0857 on 15560 XIA 500 kW / 292 deg to CeAs Chinese
 0800-0957 on 15665 KAS 500 kW / 308 deg to WeEu Russian
 0800-0857 on 17480 KAS 500 kW / 269 deg to WeAs English
 0800-0857 on 17490 KAS 500 kW / 308 deg to WeEu English
 0800-0857 on 17520 KAS 100 kW / 174 deg to SoAs Chinese
 0800-0857 on 17540 KAS 100 kW / 173 deg to SoAs English
 0800-0857 on 17560 XIA 500 kW / 292 deg to CeAs Chinese from May 29 off
 0800-0857 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 0830-0927 on 15135 KUN 500 kW / 177 deg to SEAs Indonesian
 0830-0927 on 17735 KUN 100 kW / 175 deg to SEAs Indonesian
 0900-0957 on 7285 CER 150 kW / non-dir to SEEu Romanian
 0900-0957 on 7430 JIN 500 kW / 059 deg to EaAs Chinese
 0900-0957 on 9440 CER 150 kW / non-dir to SEEu Romanian
 0900-0957 on 9460 NNN 100 kW / 200 deg to SEAs Chinese
 0900-0957 on 9880 BEI 150 kW / 095 deg to EaAs Chinese
 0900-0957 on 11620 XIA 500 kW / 073 deg to EaAs English
 0900-0957 on 11895 NNN 100 kW / 200 deg to SEAs Chinese

0900-0957 on 11980 KUN 100 kW / 184 deg to SEAs Chinese
 0900-0957 on 13620 XIA 500 kW / 073 deg to EaAs Chinese
 0900-0957 on 13790 JIN 500 kW / 150 deg to AUS English
 0900-0957 on 15250 KUN 100 kW / 122 deg to SEAs Chinese
 0900-0957 on 15270 KAS 500 kW / 308 deg to WeEu English
 0900-0957 on 15335 KAS 500 kW / 308 deg to WeEu Russian
 0900-0957 on 15350 KAS 100 kW / 174 deg to SoAs English
 0900-0957 on 15525 URU 500 kW / 212 deg to SoAs Chinese
 0900-0957 on 15560 XIA 500 kW / 292 deg to CeAs Chinese
 0900-0957 on 15665 KAS 500 kW / 308 deg to WeEu Russian
 0900-0957 on 17490 KAS 500 kW / 308 deg to WeEu English
 0900-0957 on 17500 KAS 100 kW / 174 deg to SoAs Chinese
 0900-0957 on 17530 XIA 500 kW / 190 deg to SEAs Chinese
 0900-0957 on 17540 BEI 500 kW / 193 deg to SEAs Chinese
 0900-0957 on 17560 XIA 500 kW / 292 deg to CeAs Chinese from May 29 off
 0900-0957 on 17570 URU 500 kW / 308 deg to WeEu English
 0900-0957 on 17650 KUN 500 kW / 135 deg to AUS Chinese
 0900-0957 on 17670 KUN 500 kW / 135 deg to AUS Chinese
 0900-0957 on 17750 KAS 100 kW / 173 deg to SoAs English
 0900-0957 on 17850 KUN 500 kW / 135 deg to AUS English
 0930-1027 on 15135 KUN 500 kW / 177 deg to SEAs Malay
 0930-1027 on 17680 KUN 100 kW / 175 deg to SEAs Malay
 1000-1057 on 7325 JIN 500 kW / 059 deg to EaAs Japanese
 1000-1057 on 7390 HUH 100 kW / 345 deg to FERu Russian
 1000-1057 on 9460 NNN 100 kW / 200 deg to SEAs Chinese
 1000-1057 on 9725 HUH 100 kW / 345 deg to FERu Russian
 1000-1057 on 9880 XIA 500 kW / 354 deg to CeAs Chinese
 1000-1057 on 9880 BEI 150 kW / 095 deg to EaAs Chinese
 1000-1057 on 11610 XIA 500 kW / 354 deg to CeAs English
 1000-1057 on 11620 XIA 500 kW / 073 deg to EaAs Japanese
 1000-1057 on 11635 BEI 500 kW / 318 deg to CeAs English
 1000-1057 on 11935 SZG 500 kW / 037 deg to FERu Russian
 1000-1057 on 11980 KUN 100 kW / 184 deg to SEAs Chinese
 1000-1057 on 13590 BEI 500 kW / 193 deg to SEAs English
 1000-1057 on 13620 XIA 500 kW / 073 deg to EaAs English
 1000-1057 on 13685 KAS 500 kW / 298 deg to CeEu Hungarian
 1000-1057 on 13720 XIA 500 kW / 200 deg to SEAs English
 1000-1057 on 13790 JIN 500 kW / 150 deg to AUS English
 1000-1057 on 13850 BEI 500 kW / 193 deg to SEAs Chinese
 1000-1057 on 15190 KAS 100 kW / 173 deg to SoAs English
 1000-1057 on 15210 KUN 500 kW / 135 deg to AUS English
 1000-1057 on 15220 KAS 500 kW / 298 deg to CeEu Hungarian
 1000-1057 on 15250 KUN 100 kW / 122 deg to SEAs Chinese
 1000-1057 on 15350 KAS 100 kW / 174 deg to SoAs English
 1000-1057 on 15440 KUN 500 kW / 135 deg to AUS Cantonese
 1000-1057 on 15525 URU 500 kW / 212 deg to SoAs Chinese
 1000-1057 on 17490 KAS 500 kW / 308 deg to WeEu English
 1000-1057 on 17500 KAS 100 kW / 174 deg to SoAs Chinese
 1000-1057 on 17530 XIA 500 kW / 190 deg to SEAs Chinese
 1000-1057 on 17540 BEI 500 kW / 322 deg to CeAs Chinese
 1000-1057 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 1000-1057 on 17670 KUN 500 kW / 135 deg to AUS Cantonese
 1030-1127 on 15135 KUN 100 kW / 175 deg to SEAs Indonesian
 1030-1127 on 15160 NNN 100 kW / 200 deg to SEAs Cambodian
 1030-1127 on 17605 KUN 500 kW / 177 deg to SEAs Indonesian
 1030-1127 on 17680 KUN 150 kW / 177 deg to SEAs Cambodian
 1100-1157 on 5955 BEI 150 kW / 095 deg to EaAs English
 1100-1157 on 7220 CER 150 kW / non-dir to SEEu Bulgarian
 1100-1157 on 7325 JIN 500 kW / 059 deg to EaAs Japanese
 1100-1157 on 7370 NNN 100 kW / 200 deg to SEAs Chinese
 1100-1157 on 7390 HUH 100 kW / 345 deg to FERu Mongolian
 1100-1157 on 7435 BEI 150 kW / 095 deg to EaAs Chinese
 1100-1157 on 9440 KUN 150 kW / 163 deg to SEAs Chaozhou
 1100-1157 on 9540 BEI 500 kW / 142 deg to AUS Cantonese
 1100-1157 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese

1100-1157 on 9590 KUN 150 kW / 191 deg to SEAs Cantonese
 1100-1157 on 9645 BEI 500 kW / 215 deg to SEAs Cantonese
 1100-1157 on 9725 HUH 100 kW / 345 deg to FERu Russian
 1100-1157 on 9880 KUN 100 kW / 225 deg to SEAs Burmese
 1100-1157 on 9890 BEI 500 kW / 318 deg to CeAs Russian
 1100-1157 on 11610 URU 100 kW / 090 deg to CeAs Mongolian
 1100-1157 on 11620 XIA 500 kW / 073 deg to EaAs Japanese
 1100-1157 on 11635 URU 100 kW / 080 deg to CeAs Esperanto
 1100-1157 on 11650 URU 500 kW / 212 deg to SoAs English
 1100-1157 on 11660 KAS 100 kW / 209 deg to SoAs English
 1100-1157 on 11750 BEI 500 kW / 142 deg to AUS Chinese
 1100-1157 on 11780 BJI 150 kW / 195 deg to SEAs Vietnamese
 1100-1157 on 11795 KAS 100 kW / 174 deg to SoAs English
 1100-1157 on 11875 KUN 500 kW / 177 deg to SEAs Chaozhou
 1100-1157 on 11935 SZG 500 kW / 037 deg to FERu Russian
 1100-1157 on 13580 KUN 500 kW / 135 deg to AUS Cantonese
 1100-1157 on 13590 BEI 500 kW / 193 deg to SEAs English
 1100-1157 on 13610 KAS 100 kW / 209 deg to SoAs Chinese
 1100-1157 on 13620 XIA 500 kW / 073 deg to EaAs Korean
 1100-1157 on 13645 KAS 100 kW / 173 deg to SoAs English
 1100-1157 on 13650 CER 150 kW / 310 deg to WeEu English
 1100-1157 on 13720 XIA 500 kW / 200 deg to SEAs English
 1100-1157 on 13755 KAS 100 kW / 174 deg to SoAs Chinese
 1100-1157 on 15110 URU 100 kW / 080 deg to CeAs Esperanto
 1100-1157 on 15225 KAS 500 kW / 298 deg to CeEu Czech
 1100-1157 on 15440 KUN 500 kW / 135 deg to AUS Chinese
 1100-1157 on 17490 KAS 500 kW / 308 deg to WeEu English
 1100-1157 on 17530 XIA 500 kW / 190 deg to SEAs Vietnamese
 1100-1157 on 17540 KAS 500 kW / 298 deg to CeEu Czech
 1100-1157 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 1130-1157 on 5910 BEI 500 kW / 165 deg to SEAs Filipino
 1130-1157 on 7390 JIN 500 kW / 172 deg to SEAs Filipino
 1130-1157 on 11955 KUN 100 kW / 122 deg to SEAs Filipino
 1130-1157 on 12070 XIA 500 kW / 145 deg to SEAs Filipino
 1130-1227 on 7360 KUN 100 kW / 184 deg to SEAs Thai
 1130-1227 on 9785 KUN 150 kW / 191 deg to SEAs Thai
 1200-1227 on 11955 KUN 100 kW / 122 deg to SEAs Filipino
 1200-1227 on 17505 XIA 500 kW / 145 deg to SEAs Filipino
 1200-1257 on 5915 HUH 100 kW / 345 deg to CeAs Mongolian
 1200-1257 on 5990 HUH 100 kW / 345 deg to CeAs Mongolian
 1200-1257 on 6010 BEI 150 kW / 095 deg to EaAs English
 1200-1257 on 6100 BEI 500 kW / 055 deg to FERu Russian
 1200-1257 on 7325 JIN 500 kW / 059 deg to EaAs Japanese
 1200-1257 on 7345 CER 150 kW / non-dir to SEEu Serbian
 1200-1257 on 7390 BEI 150 kW / 095 deg to EaAs Chinese
 1200-1257 on 7400 KAS 100 kW / non-dir to CeAs Russian
 1200-1257 on 7440 NNN 100 kW / 200 deg to SEAs Chinese
 1200-1257 on 9440 KUN 150 kW / 163 deg to SEAs Cambodian
 1200-1257 on 9460 KAS 100 kW / 174 deg to SoAs English
 1200-1257 on 9540 KUN 500 kW / 283 deg to CeAs Chinese
 1200-1257 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese
 1200-1257 on 9570 HAB 250 kW / 010 deg to NoAm Cantonese
 1200-1257 on 9600 KUN 150 kW / 163 deg to SEAs English
 1200-1257 on 9645 BEI 500 kW / 215 deg to SEAs English
 1200-1257 on 9730 KUN 100 kW / 225 deg to SEAs English
 1200-1257 on 9760 KUN 500 kW / 135 deg to AUS English
 1200-1257 on 9855 BEI 500 kW / 215 deg to SEAs Chinese
 1200-1257 on 11620 XIA 500 kW / 073 deg to EaAs Japanese
 1200-1257 on 11640 XIA 500 kW / 190 deg to SEAs Chinese
 1200-1257 on 11650 URU 500 kW / 212 deg to SoAs English
 1200-1257 on 11660 KAS 100 kW / 209 deg to SoAs English
 1200-1257 on 11680 NNN 100 kW / 200 deg to SEAs Cambodian
 1200-1257 on 11690 XIA 500 kW / 292 deg to CeAs English
 1200-1257 on 11760 KUN 500 kW / 135 deg to AUS English
 1200-1257 on 11780 BJI 150 kW / 195 deg to SEAs Vietnamese

1200-1257 on 11790 KAS 100 kW / 239 deg to N/ME Chinese
 1200-1257 on 11935 SZG 500 kW / 037 deg to FERu Russian
 1200-1257 on 11980 KUN 150 kW / 177 deg to SEAs English
 1200-1257 on 13575 URU 500 kW / 308 deg to EaEu Russian
 1200-1257 on 13600 XIA 500 kW / 292 deg to CeAs Russian
 1200-1257 on 13610 KAS 100 kW / 209 deg to SoAs Chinese
 1200-1257 on 13620 XIA 500 kW / 073 deg to EaAs Korean
 1200-1257 on 13650 CER 150 kW / 310 deg to WeEu English
 1200-1257 on 13755 KAS 100 kW / 174 deg to SoAs Chinese
 1200-1257 on 13810 KAS 100 kW / 239 deg to N/ME Chinese
 1200-1257 on 15110 URU 500 kW / 270 deg to WeAs Chinese
 1200-1257 on 17490 KAS 500 kW / 308 deg to WeEu English
 1200-1257 on 17560 KAS 500 kW / 308 deg to WeEu French
 1200-1257 on 17575 SZG 500 kW / 315 deg to EaEu Russian
 1200-1257 on 17630 URU 500 kW / 308 deg to WeEu English
 1200-1257 on 17650 KAS 500 kW / 308 deg to WeEu Chinese
 1230-1327 on 7360 KUN 100 kW / 184 deg to SEAs Lao
 1230-1327 on 9785 KUN 150 kW / 191 deg to SEAs Lao
 1230-1327 on 11955 KUN 500 kW / 177 deg to SEAs Malay
 1230-1327 on 15600 KUN 100 kW / 175 deg to SEAs Malay
 1300-1357 on 5915 HUH 100 kW / 345 deg to CeAs Russian
 1300-1357 on 5955 BEI 150 kW / 095 deg to EaAs English
 1300-1357 on 5990 HUH 100 kW / 345 deg to CeAs Russian
 1300-1357 on 6100 URU 100 kW / 090 deg to CeAs Mongolian
 1300-1357 on 7205 BEI 150 kW / 095 deg to EaAs Chinese
 1300-1357 on 7215 XIA 500 kW / 190 deg to SEAs Chinese
 1300-1357 on 7215 JIN 500 kW / 059 deg to EaAs Japanese
 1300-1357 on 7285 BEI 500 kW / 318 deg to CeAs Mongolian
 1300-1357 on 7325 XIA 500 kW / 073 deg to EaAs Japanese
 1300-1357 on 7400 KAS 100 kW / non-dir to CeAs Russian
 1300-1357 on 7440 NNN 100 kW / 200 deg to SEAs Chinese
 1300-1357 on 9440 NNN 100 kW / 200 deg to SEAs Esperanto
 1300-1357 on 9490 KUN 150 kW / 270 deg to SoAs Bengali
 1300-1357 on 9540 KUN 500 kW / 283 deg to CeAs Chinese
 1300-1357 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese
 1300-1357 on 9570 HAB 250 kW / 010 deg to NoAm English
 1300-1357 on 9600 BJI 150 kW / 255 deg to SoAs Bengali
 1300-1357 on 9635 KAS 100 kW / 173 deg to SoAs Hindi
 1300-1357 on 9675 SZG 500 kW / 037 deg to FERu Russian
 1300-1357 on 9685 XIA 500 kW / 195 deg to SEAs Vietnamese
 1300-1357 on 9730 BEI 500 kW / 193 deg to SEAs English
 1300-1357 on 9760 KUN 500 kW / 135 deg to AUS English
 1300-1357 on 9765 XIA 500 kW / 292 deg to CeAs English
 1300-1357 on 9855 BEI 500 kW / 215 deg to SEAs Chinese
 1300-1357 on 9870 XIA 500 kW / 200 deg to SEAs English
 1300-1357 on 9880 KUN 100 kW / 225 deg to SEAs Burmese
 1300-1357 on 11610 KUN 150 kW / 270 deg to SoAs Bengali
 1300-1357 on 11650 BEI 500 kW / 215 deg to SEAs Esperanto
 1300-1357 on 11660 KAS 100 kW / 209 deg to SoAs English
 1300-1357 on 11675 URU 500 kW / 212 deg to SoAs Hindi
 1300-1357 on 11760 KUN 500 kW / 135 deg to AUS English
 1300-1357 on 11780 KUN 100 kW / 225 deg to SEAs Burmese
 1300-1357 on 11790 KAS 100 kW / 239 deg to N/ME Chinese
 1300-1357 on 11980 KUN 150 kW / 177 deg to SEAs English
 1300-1357 on 13600 XIA 500 kW / 292 deg to CeAs Russian
 1300-1357 on 13610 KAS 500 kW / 308 deg to WeEu English
 1300-1357 on 13620 XIA 500 kW / 073 deg to EaAs Korean
 1300-1357 on 13650 KUN 500 kW / 270 deg to SoAs Chinese
 1300-1357 on 13670 KAS 500 kW / 308 deg to WeEu Chinese
 1300-1357 on 13685 BK0 100 kW / 111 deg to WeAf French *
 1300-1357 on 13755 KAS 100 kW / 174 deg to SoAs English
 1300-1357 on 13810 KAS 100 kW / 239 deg to N/ME Chinese
 1300-1357 on 17560 KAS 500 kW / 308 deg to WeEu French
 1300-1357 on 17630 URU 500 kW / 308 deg to WeEu English
 1300-1357 on 17650 KAS 500 kW / 308 deg to WeEu French

1300-1357 on 17880 BKO 100 kW / 111 deg to WeAf French *
 1330-1427 on 7360 KUN 100 kW / 184 deg to SEAs Thai
 1330-1427 on 9535 KUN 100 kW / 175 deg to SEAs Indonesian
 1330-1427 on 9785 KUN 150 kW / 191 deg to SEAs Thai
 1330-1427 on 11955 KUN 500 kW / 177 deg to SEAs Indonesian
 1400-1457 on 5905 KAS 100 kW / non-dir to CeAs Russian
 1400-1457 on 5915 HUH 100 kW / 345 deg to CeAs Mongolian
 1400-1457 on 5955 BEI 150 kW / 095 deg to EaAs English
 1400-1457 on 5965 XIA 500 kW / 073 deg to EaAs Korean
 1400-1457 on 5990 HUH 100 kW / 345 deg to CeAs Mongolian
 1400-1457 on 6040 XIA 500 kW / 190 deg to SEAs Chinese
 1400-1457 on 6055 NNN 100 kW / 200 deg to SEAs Cambodian
 1400-1457 on 7210 BEI 150 kW / 095 deg to EaAs Chinese
 1400-1457 on 7235 KAS 100 kW / 173 deg to SoAs Chinese
 1400-1457 on 7265 KAS 100 kW / 174 deg to SoAs Sinhalese
 1400-1457 on 7330 XIA 500 kW / 292 deg to CeAs Russian
 1400-1457 on 7395 XIA 500 kW / 073 deg to EaAs Japanese
 1400-1457 on 7410 BEI 500 kW / 215 deg to SEAs Chinese
 1400-1457 on 7415 KUN 500 kW / 283 deg to CeAs Nepalese
 1400-1457 on 7430 JIN 500 kW / 059 deg to EaAs Japanese
 1400-1457 on 7435 KUN 500 kW / 283 deg to CeAs Nepalese
 1400-1457 on 9435 KAS 100 kW / 209 deg to SoAs Urdu
 1400-1457 on 9490 KUN 150 kW / 270 deg to SoAs Bengali
 1400-1457 on 9525 SZG 500 kW / 037 deg to FERu Russian
 1400-1457 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese
 1400-1457 on 9655 KUN 100 kW / 225 deg to SEAs Amoy
 1400-1457 on 9730 KAS 100 kW / 174 deg to SoAs Chinese
 1400-1457 on 9765 XIA 500 kW / 292 deg to CeAs English
 1400-1457 on 9870 XIA 500 kW / 200 deg to SEAs English
 1400-1457 on 9880 NNN 100 kW / 200 deg to SEAs Cambodian
 1400-1457 on 11610 URU 500 kW / 270 deg to N/ME Chinese
 1400-1457 on 11610 KUN 150 kW / 270 deg to SoAs Bengali
 1400-1457 on 11650 KUN 150 kW / 177 deg to SEAs Amoy
 1400-1457 on 11660 KAS 100 kW / 209 deg to SoAs Urdu
 1400-1457 on 11665 URU 500 kW / 270 deg to N/ME English
 1400-1457 on 11675 URU 500 kW / 212 deg to SoAs English
 1400-1457 on 11685 KAS 100 kW / 173 deg to SoAs Tamil
 1400-1457 on 11765 URU 500 kW / 212 deg to SoAs English
 1400-1457 on 11780 URU 100 kW / 168 deg to SEAs Burmese
 1400-1457 on 11785 KAS 500 kW / 308 deg to WeEu Chinese
 1400-1457 on 11900 JIN 500 kW / 258 deg to SoAs Sinhalese
 1400-1457 on 11920 CER 150 kW / 240 deg to NWAf French
 1400-1457 on 12010 BEI 500 kW / 193 deg to SEAs Vietnamese
 1400-1457 on 13600 KAS 100 kW / 174 deg to SoAs Tamil
 1400-1457 on 13670 CER 150 kW / 240 deg to NWAf French
 1400-1457 on 13685 BKO 100 kW / 111 deg to SoAf English *
 1400-1457 on 13710 KAS 500 kW / 308 deg to WeEu English
 1400-1457 on 13740 HAB 250 kW / 305 deg to NEAm English
 1400-1457 on 15410 KAS 500 kW / 308 deg to WeEu Chinese
 1400-1457 on 17630 BKO 100 kW / 085 deg to CeAf English *
 1400-1457 on 17630 URU 500 kW / 308 deg to EaEu English
 1430-1457 on 7325 BEI 500 kW / 165 deg to SEAs Filipino
 1430-1457 on 11640 KUN 100 kW / 122 deg to SEAs Filipino
 1430-1457 on 11695 XIA 500 kW / 145 deg to SEAs Filipino
 1430-1527 on 7360 KUN 100 kW / 184 deg to SEAs Lao
 1430-1527 on 9675 KUN 150 kW / 191 deg to SEAs Lao
 1500-1527 on 9570 URU 500 kW / 270 deg to WeAs Persian
 1500-1527 on 9600 KAS 500 kW / 269 deg to WeAs Persian
 1500-1527 on 9665 KAS 100 kW / 239 deg to WeAs Pashto
 1500-1527 on 11665 KUN 500 kW / 300 deg to WeAs Pashto
 1500-1557 on 5905 KAS 100 kW / non-dir to CeAs Russian
 1500-1557 on 5910 BEI 500 kW / 215 deg to SEAs Chinese
 1500-1557 on 5915 HUH 100 kW / 345 deg to CeAs Russian
 1500-1557 on 5955 BEI 150 kW / 095 deg to EaAs English
 1500-1557 on 5965 BEI 500 kW / 055 deg to FERu Russian

1500-1557 on 5990 HUH 100 kW / 345 deg to CeAs Russian
 1500-1557 on 6095 KAS 500 kW / 269 deg to N/ME English
 1500-1557 on 7215 KUN 500 kW / 283 deg to CeAs Nepalese
 1500-1557 on 7220 JIN 500 kW / 059 deg to EaAs Japanese
 1500-1557 on 7225 URU 500 kW / 212 deg to SoAs Hindi
 1500-1557 on 7235 KAS 100 kW / 173 deg to SoAs Chinese
 1500-1557 on 7250 KUN 500 kW / 283 deg to CeAs Nepalese
 1500-1557 on 7255 BEI 150 kW / 095 deg to EaAs Chinese
 1500-1557 on 7265 KAS 100 kW / 174 deg to SoAs Hindi
 1500-1557 on 7285 KAS 100 kW / 209 deg to SoAs Urdu
 1500-1557 on 7325 BEI 500 kW / 193 deg to SEAs English
 1500-1557 on 7345 CER 150 kW / non-dir to SEEu Turkish
 1500-1557 on 7395 URU 500 kW / 212 deg to SoAs English
 1500-1557 on 9435 KAS 100 kW / 209 deg to SoAs Urdu
 1500-1557 on 9455 KUN 150 kW / 191 deg to SEAs Chinese
 1500-1557 on 9490 KAS 100 kW / 173 deg to SoAs Tamil
 1500-1557 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese
 1500-1557 on 9560 KAS 100 kW / 174 deg to SoAs Chinese
 1500-1557 on 9565 CER 150 kW / non-dir to SEEu Turkish
 1500-1557 on 9585 XIA 500 kW / 073 deg to EaAs Japanese
 1500-1557 on 9610 KUN 150 kW / 270 deg to SoAs Bengali
 1500-1557 on 9690 KUN 150 kW / 270 deg to SoAs Bengali
 1500-1557 on 9720 URU 500 kW / 270 deg to N/ME English
 1500-1557 on 9800 JIN 500 kW / 264 deg to SoAs English
 1500-1557 on 9870 XIA 500 kW / 200 deg to SEAs English
 1500-1557 on 9880 XIA 500 kW / 292 deg to CeAs Russian
 1500-1557 on 11790 URU 500 kW / 308 deg to EaEu Russian
 1500-1557 on 11800 KAS 100 kW / 174 deg to SoAs Tamil
 1500-1557 on 11920 CER 150 kW / 240 deg to NWAF French
 1500-1557 on 13640 KAS 500 kW / 298 deg to WeEu English
 1500-1557 on 13670 CER 150 kW / 240 deg to NWAF French
 1500-1557 on 13680 KAS 500 kW / 308 deg to WeEu Chinese
 1500-1557 on 13685 BKO 100 kW / 111 deg to SoAf English *
 1500-1557 on 13740 HAB 250 kW / 305 deg to NEAm English
 1500-1557 on 13755 KAS 500 kW / 308 deg to WeEu Chinese
 1500-1557 on 13860 SZG 500 kW / 315 deg to EaEu Russian
 1500-1557 on 15245 KAS 500 kW / 308 deg to WeEu English
 1500-1557 on 17630 BKO 100 kW / 085 deg to CeAf English *
 1530-1557 on 9570 URU 500 kW / 270 deg to WeAs Pashto
 1530-1557 on 9665 KAS 100 kW / 239 deg to WeAs Pashto
 1530-1557 on 11665 KUN 500 kW / 300 deg to WeAs Pashto
 1600-1657 on 5905 KAS 100 kW / non-dir to CeAs Russian
 1600-1657 on 5915 KAS 100 kW / 209 deg to SoAs Hindi
 1600-1657 on 5970 CER 150 kW / 330 deg to WeEu German
 1600-1657 on 5985 BEI 500 kW / 257 deg to CEAF Swahili
 1600-1657 on 6060 KUN 150 kW / 163 deg to SEAs English
 1600-1657 on 6100 KAS 100 kW / 239 deg to WeAs English
 1600-1657 on 6165 URU 500 kW / 270 deg to N/ME Turkish
 1600-1657 on 6175 NNN 100 kW / 200 deg to SEAs English
 1600-1657 on 7235 KAS 100 kW / 173 deg to SoAs English
 1600-1657 on 7245 XIA 500 kW / 252 deg to CEAF Swahili
 1600-1657 on 7315 KUN 100 kW / 184 deg to SEAs Vietnamese
 1600-1657 on 7325 KUN 500 kW / 300 deg to N/ME Turkish
 1600-1657 on 7380 CER 150 kW / 330 deg to WeEu German
 1600-1657 on 7395 KUN 500 kW / 283 deg to SoAs Hindi
 1600-1657 on 9550 BEI 500 kW / 193 deg to SEAs Vietnamese
 1600-1657 on 9555 CER 150 kW / 140 deg to N/ME Arabic
 1600-1657 on 9570 BEI 500 kW / 257 deg to SoAf English
 1600-1657 on 9770 URU 500 kW / 212 deg to SoAf Hakka
 1600-1657 on 9880 NNN 100 kW / 200 deg to SEAs English
 1600-1657 on 11690 KAS 500 kW / 308 deg to WeEu French
 1600-1657 on 11725 CER 150 kW / 240 deg to NWAF Arabic
 1600-1657 on 11875 KAS 500 kW / 308 deg to WeEu Russian
 1600-1657 on 11880 XIA 500 kW / 252 deg to SoAf Hakka
 1600-1657 on 11900 JIN 500 kW / 255 deg to SoAf English

1600-1657 on 11940 KAS 500 kW / 294 deg to WeEu English
 1600-1657 on 11965 KAS 500 kW / 298 deg to WeEu English
 1600-1657 on 13580 URU 500 kW / 308 deg to EaEu Russian
 1600-1657 on 13760 KAS 500 kW / 308 deg to WeEu English
 1600-1657 on 13790 KAS 500 kW / 269 deg to N/ME Arabic
 1600-1657 on 13860 SZG 500 kW / 315 deg to EaEu Russian
 1600-1657 on 15125 BK0 100 kW / 085 deg to CEAF Arabic *
 1600-1657 on 15250 URU 500 kW / 270 deg to NWAf English
 1600-1657 on 17880 BK0 100 kW / 020 deg to NEAf Arabic *
 1630-1727 on 9620 KAS 500 kW / 269 deg to WeAf Hausa
 1630-1727 on 9665 KUN 500 kW / 283 deg to WeAf Hausa
 1700-1757 on 5970 CER 150 kW / 330 deg to WeEu German
 1700-1757 on 5985 BEI 500 kW / 257 deg to CEAF Swahili
 1700-1757 on 6090 KUN 150 kW / 163 deg to SEAs English
 1700-1757 on 6140 KAS 100 kW / 173 deg to SoAs English
 1700-1757 on 6165 BEI 500 kW / 288 deg to WeAs English
 1700-1757 on 6175 NNN 100 kW / 200 deg to SEAs English
 1700-1757 on 7235 KAS 100 kW / 173 deg to SoAs English
 1700-1757 on 7255 KAS 500 kW / 294 deg to WeEu English
 1700-1757 on 7265 URU 500 kW / 270 deg to N/ME English
 1700-1757 on 7380 CER 150 kW / 330 deg to WeEu German
 1700-1757 on 7410 KAS 100 kW / 174 deg to SoAs English
 1700-1757 on 7420 KUN 150 kW / 191 deg to SEAs English
 1700-1757 on 7450 BJI 150 kW / 317 deg to EaEu Russian
 1700-1757 on 9435 KAS 500 kW / 294 deg to SEEu Croatian
 1700-1757 on 9435 URU 500 kW / 212 deg to SoAs Cantonese
 1700-1757 on 9470 XIA 500 kW / 292 deg to CeAs Russian
 1700-1757 on 9555 CER 150 kW / 140 deg to N/ME Arabic
 1700-1757 on 9570 BEI 500 kW / 257 deg to SoAf English
 1700-1757 on 9695 BEI 500 kW / 318 deg to WeEu English
 1700-1757 on 9770 KAS 100 kW / 209 deg to SoAs Cantonese
 1700-1757 on 9880 NNN 100 kW / 200 deg to SEAs English
 1700-1757 on 11650 XIA 500 kW / 317 deg to WeEu Esperanto
 1700-1757 on 11680 BJI 150 kW / 255 deg to CEAF Swahili
 1700-1757 on 11690 KAS 500 kW / 308 deg to WeEu French
 1700-1757 on 11725 CER 150 kW / 240 deg to NWAf Arabic
 1700-1757 on 11825 BEI 500 kW / 322 deg to SEEu Croatian
 1700-1757 on 11875 URU 500 kW / 308 deg to EaEu Russian
 1700-1757 on 11900 JIN 500 kW / 255 deg to SoAf English
 1700-1757 on 13570 XIA 500 kW / 317 deg to WeEu English
 1700-1757 on 13640 URU 500 kW / 308 deg to EaEu Russian
 1700-1757 on 13645 BK0 100 kW / 111 deg to CEAF Swahili *
 1700-1757 on 13760 KAS 500 kW / 308 deg to WeEu English
 1700-1757 on 13790 KAS 500 kW / 269 deg to N/ME Arabic
 1700-1757 on 15125 BK0 100 kW / 111 deg to CEAF Swahili *
 1730-1757 on 9450 KAS 500 kW / 269 deg to WeAf Hausa
 1730-1757 on 9685 KUN 500 kW / 283 deg to WeAf Hausa
 1730-1827 on 7385 URU 500 kW / 270 deg to NWAf Chinese
 1730-1827 on 7315 KUN 500 kW / 300 deg to N/ME Chinese
 1730-1827 on 9685 URU 500 kW / 308 deg to WeEu Chinese
 1730-1827 on 9745 KUN 500 kW / 283 deg to N/ME Chinese
 1730-1827 on 11660 SZG 500 kW / 315 deg to WeEu Chinese
 1800-1827 on 7415 BEI 500 kW / 288 deg to WeAs Persian
 1800-1827 on 9670 BEI 500 kW / 288 deg to WeAs Persian
 1800-1827 on 9450 KAS 500 kW / 269 deg to WeAf Hausa
 1800-1827 on 9685 KUN 500 kW / 283 deg to WeAf Hausa
 1800-1827 on 11640 BK0 100 kW / 085 deg to WCAf Hausa *
 1800-1827 on 13645 BK0 100 kW / 111 deg to WeAf Hausa *
 1800-1857 on 5970 CER 150 kW / 310 deg to WeEu French
 1800-1857 on 6055 CER 150 kW / 240 deg to NWAf French
 1800-1857 on 6175 BEI 500 kW / 322 deg to WeEu English
 1800-1857 on 7205 URU 500 kW / 308 deg to EuEu Russian
 1800-1857 on 7340 KAS 500 kW / 294 deg to SEEu Italian
 1800-1857 on 7395 KAS 500 kW / 308 deg to WeEu German
 1800-1857 on 7435 JIN 500 kW / 314 deg to SEEu Italian

1800-1957 on 9480 CER 150 kW / 310 deg to WeEu French
 1800-1857 on 9535 ISS 500 kW / 055 deg to EaEu Russian
 1800-1857 on 9560 XIA 500 kW / 292 deg to CeAs Russian
 1800-1857 on 9600 BEI 500 kW / 318 deg to WeEu English
 1800-1857 on 9765 SZG 500 kW / 315 deg to CeAs Russian
 1800-1857 on 11650 URU 500 kW / 308 deg to WeEu German
 1800-1857 on 11695 CER 150 kW / 240 deg to NWAf French
 1800-1857 on 11775 KAS 500 kW / 308 deg to WeEu German
 1800-1857 on 11895 XIA 500 kW / 317 deg to WeEu Chaozhou
 1800-1857 on 13700 KAS 500 kW / 308 deg to WeEu Chaozhou
 1800-1857 on 13760 KAS 500 kW / 308 deg to WeEu English
 1830-1857 on 6020 SZG 500 kW / 315 deg to SEEu Bulgarian
 1830-1857 on 7265 URU 500 kW / 308 deg to SEEu Bulgarian
 1830-1857 on 7415 BEI 500 kW / 288 deg to WeAs Persian
 1830-1857 on 9670 BEI 500 kW / 288 deg to WeAs Persian
 1830-1857 on 9695 JIN 500 kW / 310 deg to SEEu Bulgarian
 1830-1927 on 7350 URU 500 kW / 270 deg to WeAf French
 1830-1927 on 9645 KUN 500 kW / 283 deg to WeAf French
 1830-1927 on 11640 BKO 100 kW / 085 deg to CeAf Arabic *
 1830-1927 on 13685 BKO 100 kW / 020 deg to NEAf Arabic *
 1900-1927 on 6090 URU 500 kW / 308 deg to SEEu Romanian
 1900-1927 on 7305 ISS 250 kW / 085 deg to SEEu Romanian
 1900-1927 on 7415 URU 500 kW / 308 deg to CeEu Czech
 1900-1927 on 7440 XIA 500 kW / 317 deg to CeEu Hungarian
 1900-1927 on 9515 BEI 500 kW / 322 deg to CeEu Czech
 1900-1927 on 9560 URU 500 kW / 308 deg to CeEu Hungarian
 1900-1957 on 5970 CER 150 kW / 310 deg to WeEu French
 1900-1957 on 5985 BEI 500 kW / 257 deg to SoAf Portuguese
 1900-1957 on 6055 CER 150 kW / 240 deg to NWAf French
 1900-1957 on 6020 SZG 500 kW / 315 deg to SEEu Albanian
 1900-1957 on 6110 XIA 500 kW / 292 deg to CeAs Russian
 1900-1957 on 7235 SZG 500 kW / 315 deg to WeEu Cantonese
 1900-1957 on 7245 BJI 150 kW / 317 deg to EaEu Russian
 1900-1957 on 7255 KUN 500 kW / 300 deg to N/ME Turkish
 1900-1957 on 7295 KAS 500 kW / 269 deg to N/ME English
 1900-1957 on 7385 KAS 500 kW / 294 deg to SEEu Albanian
 1900-1957 on 7395 KAS 500 kW / 308 deg to WeEu German
 1900-1957 on 7405 XIA 500 kW / 252 deg to SoAf Portuguese
 1900-1957 on 9440 KUN 500 kW / 283 deg to WeAf English
 1800-1957 on 9480 CER 150 kW / 310 deg to WeEu French
 1900-1957 on 9525 BEI 500 kW / 318 deg to EeEu Russian
 1900-1957 on 9535 BJI 150 kW / 255 deg to SoAf Portuguese
 1900-1957 on 9620 KAS 500 kW / 298 deg to SoEu Portuguese
 1900-1957 on 9655 KUN 500 kW / 300 deg to N/ME Turkish
 1900-1957 on 9765 BEI 500 kW / 257 deg to SoAf Portuguese
 1900-1957 on 11650 URU 500 kW / 308 deg to WeEu German
 1900-1957 on 11695 CER 150 kW / 240 deg to NWAf French
 1900-1957 on 11775 KAS 500 kW / 308 deg to WeEu German
 1900-1957 on 11895 KAS 500 kW / 308 deg to WeEu Cantonese
 1900-1957 on 12095 JIN 500 kW / 320 deg to SoEu Portuguese
 1930-1957 on 6090 URU 500 kW / 308 deg to SEEu Romanian
 1930-1957 on 7305 ISS 250 kW / 065 deg to CeEu Czech
 1930-1957 on 7415 URU 500 kW / 308 deg to CeEu Czech
 1930-1957 on 7440 XIA 500 kW / 317 deg to SEEu Romanian
 1930-1957 on 11640 BKO 100 kW / 111 deg to SoAf Portuguese *
 1930-1957 on 13630 BKO 100 kW / 111 deg to SoAf Portuguese *
 1930-2027 on 7265 URU 500 kW / 308 deg to WeEu Esperanto
 1930-2027 on 7350 URU 500 kW / 270 deg to WeAf French
 1930-2027 on 9645 KUN 500 kW / 283 deg to WeAf French
 1930-2027 on 9745 URU 500 kW / 308 deg to WeEu Esperanto
 2000-2027 on 7325 URU 500 kW / 308 deg to SEEu Serbian
 2000-2027 on 7355 KAS 500 kW / 294 deg to SEEu Serbian
 2000-2027 on 7390 XIA 500 kW / 317 deg to SEEu Serbian
 2000-2027 on 9585 KAS 500 kW / 298 deg to SEEu Serbian
 2000-2057 on 5960 CER 150 kW / 310 deg to WeEu English

2000-2057 on 5985 BEI 500 kW / 257 deg to SoAf English
 2000-2057 on 6020 SZG 500 kW / 315 deg to CeEu Polish
 2000-2057 on 6100 XIA 500 kW / 292 deg to NEAf Arabic
 2000-2057 on 6145 ISS 500 kW / 060 deg to CeEu Polish
 2000-2057 on 6185 CER 150 kW / 193 deg to EaAf Arabic
 2000-2057 on 7235 CER 150 kW / 140 deg to N/ME Arabic
 2000-2057 on 7245 KAS 500 kW / 269 deg to N/ME Chinese
 2000-2057 on 7255 BJI 150 kW / 317 deg to EaEu Russian
 2000-2057 on 7285 CER 150 kW / 310 deg to WeEu English
 2000-2057 on 7295 KAS 500 kW / 269 deg to N/ME English
 2000-2057 on 7305 URU 500 kW / 308 deg to CeEu Polish
 2000-2057 on 7335 SZG 500 kW / 315 deg to WeEu Chinese
 2000-2057 on 7405 XIA 500 kW / 252 deg to SoAf Chinese
 2000-2057 on 7415 KAS 500 kW / 308 deg to WeEu English
 2000-2057 on 7440 BEI 500 kW / 318 deg to WeEu Chinese
 2000-2057 on 9440 KUN 500 kW / 300 deg to N/ME English
 2000-2057 on 9525 BEI 500 kW / 318 deg to EeEu Russian
 2000-2057 on 9600 KAS 500 kW / 308 deg to WeEu English
 2000-2057 on 9865 KUN 500 kW / 283 deg to CEAf Chinese
 2000-2057 on 11640 BKO 100 kW / 111 deg to CEAf English *
 2000-2057 on 13630 BKO 100 kW / 111 deg to CEAf English *
 2030-2057 on 7390 JIN 500 kW / 314 deg to CeEu Hungarian
 2030-2057 on 9585 KAS 500 kW / 298 deg to CeEu Hungarian
 2030-2057 on 9720 URU 500 kW / 308 deg to SEEu Bulgarian
 2030-2057 on 11940 KUN 500 kW / 300 deg to SEEu Bulgarian
 2030-2127 on 7265 URU 500 kW / 308 deg to SEEu Italian
 2030-2127 on 7310 KAS 500 kW / 294 deg to SEEu Italian
 2030-2127 on 9430 URU 500 kW / 308 deg to WeEu French
 2030-2127 on 11660 KAS 500 kW / 308 deg to WeEu French
 2100-2127 on 6145 ISS 250 kW / 105 deg to SEEu Albanian
 2100-2127 on 7325 XIA 500 kW / 317 deg to SEEu Serbian
 2100-2127 on 7440 KUN 500 kW / 300 deg to SEEu Serbian
 2100-2127 on 11640 BKO 100 kW / 111 deg to CEAf English *
 2100-2127 on 13630 BKO 100 kW / 111 deg to CEAf English *
 2100-2157 on 5960 CER 150 kW / 310 deg to WeEu English
 2100-2157 on 6100 XIA 500 kW / 292 deg to NEAf Arabic
 2100-2157 on 6135 BEI 500 kW / 318 deg to SEEu Croatian
 2100-2157 on 6185 CER 150 kW / 193 deg to EaAf Arabic
 2100-2157 on 7205 XIA 500 kW / 252 deg to SoAf English
 2100-2157 on 7225 BEI 500 kW / 318 deg to SEEu Croatian
 2100-2157 on 7235 CER 150 kW / 140 deg to N/ME Arabic
 2100-2157 on 7285 CER 150 kW / 310 deg to WeEu English
 2100-2157 on 7290 XIA 500 kW / 073 deg to EaAs Korean
 2100-2157 on 7325 BEI 500 kW / 257 deg to SoAf English
 2100-2157 on 7335 SZG 500 kW / 315 deg to SoEu Spanish
 2100-2157 on 7415 KAS 500 kW / 308 deg to WeEu English
 2100-2157 on 9600 KAS 500 kW / 308 deg to WeEu English
 2100-2157 on 9640 KAS 500 kW / 298 deg to SoEu Spanish
 2130-2157 on 6145 ISS 250 kW / 085 deg to CeEu Hungarian
 2130-2157 on 7445 URU 500 kW / 308 deg to CeEu Hungarian
 2130-2227 on 9430 URU 500 kW / 308 deg to WeEu French
 2130-2227 on 11660 KAS 500 kW / 308 deg to WeEu French
 2130-2227 on 11975 BKO 100 kW / 020 deg to WeAf French *
 2130-2227 on 13630 BKO 100 kW / 111 deg to CEAf French *
 2200-2257 on 5975 KAS 100 kW / 239 deg to WeAs Chinese
 2200-2257 on 6100 KUN 150 kW / 163 deg to SEAs Chinese
 2200-2257 on 6140 KUN 100 kW / 225 deg to SEAs Chinese
 2200-2257 on 6175 CER 150 kW / 280 deg to SoEu Portuguese
 2200-2257 on 7210 CER 150 kW / 280 deg to SoEu Spanish
 2200-2257 on 7215 KUN 100 kW / 184 deg to SEAs Chinese
 2200-2257 on 7220 KUN 500 kW / 283 deg to CEAf Chinese
 2200-2257 on 7250 URU 500 kW / 308 deg to SoEu Spanish
 2200-2257 on 7260 URU 500 kW / 308 deg to SoEu Portuguese
 2200-2257 on 7290 XIA 500 kW / 073 deg to EaAs Korean
 2200-2257 on 7305 JIN 500 kW / 059 deg to EaAs Chinese

2200-2257 on 7315 KAS 500 kW / 294 deg to SoAm Esperanto
 2200-2257 on 7325 KUN 150 kW / 191 deg to SEAs Chinese
 2200-2257 on 7335 SZG 500 kW / 315 deg to SoEu Spanish
 2200-2257 on 7395 URU 500 kW / 270 deg to N/ME Chinese
 2200-2257 on 7430 JIN 500 kW / 255 deg to SoAf Chinese
 2200-2257 on 9410 KAS 500 kW / 294 deg to SoAm Portuguese
 2200-2257 on 9490 BEI 500 kW / 318 deg to SoAm Spanish
 2200-2257 on 9535 XIA 500 kW / 073 deg to EaAs Japanese
 2200-2257 on 9590 BEI 150 kW / 095 deg to EaAs Japanese
 2200-2257 on 9675 BEI 150 kW / 095 deg to EaAs Chinese
 2200-2257 on 9640 KAS 500 kW / 298 deg to SoEu Spanish
 2200-2257 on 9685 KAS 500 kW / 269 deg to SoAm Portuguese
 2200-2257 on 9860 KAS 500 kW / 269 deg to SoAm Esperanto
 2200-2257 on 13640 JIN 500 kW / 059 deg to EaAs Japanese
 2230-2257 on 11975 BK0 100 kW / 020 deg to NEAf Chinese *
 2230-2257 on 15505 BK0 100 kW / 085 deg to CeAf Chinese *
 2300-2357 on 5915 KAS 100 kW / 174 deg to SoAs English
 2300-2357 on 5990 HAB 250 kW / non-dir to CeAm English
 2300-2357 on 6140 KUN 100 kW / 225 deg to SEAs Cantonese
 2300-2357 on 6175 CER 150 kW / 280 deg to SoEu Spanish
 2300-2357 on 7210 CER 150 kW / 280 deg to SoEu Spanish
 2300-2357 on 7220 XIA 500 kW / 190 deg to SEAs Vietnamese
 2300-2357 on 7250 URU 500 kW / 308 deg to SoEu Spanish
 2300-2357 on 7295 BK0 100 kW / non-dir to WeAf Chinese *
 2300-2357 on 7325 KUN 150 kW / 191 deg to SEAs Cantonese
 2300-2357 on 7350 KAS 500 kW / 308 deg to WeEu English
 2300-2357 on 7405 HUH 100 kW / 345 deg to CeAs Russian
 2300-2357 on 7410 KAS 100 kW / 174 deg to SoAs English
 2300-2357 on 9445 HUH 100 kW / 345 deg to CeAs Russian
 2300-2357 on 9460 KUN 150 kW / 163 deg to SEAs Cantonese
 2300-2357 on 9560 BEI 500 kW / 318 deg to SoAm Portuguese
 2300-2357 on 9590 KAS 500 kW / 294 deg to SoAm Spanish
 2300-2357 on 9765 NNN 100 kW / 200 deg to SEAs Cambodian
 2300-2357 on 9800 KAS 500 kW / 269 deg to SoAm Spanish
 2300-2357 on 9810 XIA 500 kW / 354 deg to CeAs Mongolian
 2300-2357 on 9865 URU 500 kW / 308 deg to WeEu Chinese
 2300-2357 on 11620 BEI 500 kW / 193 deg to SEAs Vietnamese
 2300-2357 on 11680 XIA 500 kW / 073 deg to EaAs Japanese
 2300-2357 on 11690 BEI 150 kW / 095 deg to EaAs English
 2300-2357 on 11790 XIA 500 kW / 190 deg to SEAs English
 2300-2357 on 11900 BEI 150 kW / 095 deg to EaAs Chinese
 2300-2357 on 11945 KUN 100 kW / 175 deg to SEAs Cantonese
 2300-2357 on 11955 KUN 100 kW / 122 deg to SEAs English
 2300-2357 on 11975 BK0 100 kW / 020 deg to NEAf Chinese *
 2300-2357 on 11990 NNN 100 kW / 200 deg to SEAs Cambodian
 2300-2357 on 12085 XIA 500 kW / 354 deg to CeAs Mongolian
 2300-2357 on 13640 JIN 500 kW / 059 deg to EaAs Japanese
 2300-2357 on 13650 HAB 250 kW / 135 deg to SoAm Portuguese
 2300-2357 on 15100 JIN 500 kW / 161 deg to SEAs Cantonese
 2330-0027 on 7260 KAS 100 kW / 173 deg to SoAs Sinhalese
 2330-0027 on 9490 KUN 150 kW / 234 deg to SoAs Sinhalese
 (DX MIX NEWS# 785, June 11, 2013 / Chen Laobaixing)

*) may be inactive due to political situation (we)

CONGO [Republic of] - 6115, Radio Congo, 1756, very weak modulation; talk by a French man, into news. Has, on many recent occasions, pulled the plug prior to usual 1830 s/off. 5/8. (David Sharp, NSW, dxldyg via DXLD)

ETHIOPIA / ERITREA [and non] - A-13 of Ethiopian and Eritrean radiostations, all non-direxional with target ETH or ERI:

0300-0400 7235v GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0300-0400 9565v GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0300-0500 9715 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 0300-0600 5950/5980 GEJ 100 kW / ETH Tig/Afar VOTigray Revolution

0300-0600 6030 GEJ 100 kW / ETH Oromo Radio Oromiya
 0300-0600 6090 GEJ 100 kW / ETH Oromo Radio Amhara
 0300-0600 6110 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 0300-0600 7175-7195 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 0300-0600 7200 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0300-0600 7205 ASD 100 kW / ERI Tigrinya VOBME-1
 0300-0600 7210 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 0300-0600 9705 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0400-0430 7235vGEJ 100 kW / ETH Tigrinya VOPeace & Democracy
 0400-0430 9565vGEJ 100 kW / ETH Tigrinya VOPeace & Democracy
 0430-0600 7235vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0430-0600 9565vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0500-0600 9715 ASD 100 kW / ERI Amharic Ginbot 7 Dimts Radio
 0600-0900 5950/5980 GEJ 100 kW / ETH Tig/Afar VOTigray Revolution
 0600-0900 6030 GEJ 100 kW / ETH Oromo Radio Oromiya
 0600-0900 7175-7195 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 0600-0900 7200 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0600-0900 7205 ASD 100 kW / ERI Tigrinya VOBME-1
 0600-0900 7235vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0600-0900 9565vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0600-0900 9705 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 0600-0900 9715 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 0700-0800 7235vGEJ 100 kW / ETH Somali Radio Ethiopia
 0700-0800 9565vGEJ 100 kW / ETH Somali Radio Ethiopia
 1200-1500 7235vGEJ 100 kW / ETH Som/Afar/Ar Radio Ethiopia
 1200-1500 9565vGEJ 100 kW / ETH Som/Afar/Ar Radio Ethiopia
 1400-1500 9715 ASD 100 kW / ERI Amharic Ginbot 7 Dimts Radio
 1500-1600 7235vGEJ 100 kW / ETH Ar/Tig/Afar VofDem.Alliance
 1500-1600 9565vGEJ 100 kW / ETH Ar/Tig/Afar VofDem.Alliance
 1500-1800 5950/5980 GEJ 100 kW / ETH Tig/Afar VOTigray Revolution
 1500-1800 6030 GEJ 100 kW / ETH Oromo Radio Oromiya
 1500-1800 6090 GEJ 100 kW / ETH Oromo Radio Amhara
 1500-1800 6110 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 1500-1800 7175-7195 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 1500-1800 7200 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 1500-1800 7205 ASD 100 kW / ERI Tigrinya VOBME-1
 1500-1800 7210 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 1500-1800 7220 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 1500-1800 9705 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 1500-1800 9715 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 1500-1800 9820 ASD 100 kW / ERI Amh/Afar/Ar/Somali VOBME-2
 1600-1700 7235vGEJ 100 kW / ETH English Radio Ethiopia
 1600-1700 9565vGEJ 100 kW / ETH English Radio Ethiopia
 1700-1800 7235vGEJ 100 kW / ETH French Radio Ethiopia
 1700-1800 9565vGEJ 100 kW / ETH French Radio Ethiopia
 1800-1830 7235vGEJ 100 kW / ETH Tigrinya VOPeace & Democracy
 1800-1830 9565vGEJ 100 kW / ETH Tigrinya VOPeace & Democracy
 1800-2100 6110 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 1800-2100 7200 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 1800-2100 7205 ASD 100 kW / ERI Tigrinya VOBME-1
 1800-2100 7210 AAB 100 kW / ETH Amharic/Oromo Radio Fana
 1800-2100 9705 GEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 1830-2100 7235vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 1830-2100 9565vGEJ 100 kW / ETH Amh/Oro/Tig Radio Ethiopia
 (DX MIX NEWS #790, July 15, 2013)

FRANCE [and non] - Summer A-13 schedule R France Internationale:

0400-0458 on 11700 ISS 500 kW / 140 deg to ECAf French
 0400-0458 on 13685 ISS 500 kW / 135 deg to ECAf French
 0430-0458 on 7340 MEY 250 kW / 019 deg to EaAf Swahili
 0500-0558 on 11605 MEY 100 kW / 345 deg to WeAf French
 0500-0558 on 11700 ISS 500 kW / 160 deg to CeAf French
 0500-0558 on 13695 ISS 500 kW / 155 deg to CeAf French
 0530-0558 on 11790 MEY 100 kW / 015 deg to EaAf Swahili till Aug.31
 0530-0558 on 9835 MEY 100 kW / 015 deg to EaAf Swahili from Sep.01

0600-0628 on 9805 ISS 500 kW / 170 deg to WCAf Hausa from Sep.01
 0600-0628 on 11995 ISS 500 kW / 170 deg to WCAf Hausa from Sep.01
 0600-0628 on 13750 ISS 500 kW / 170 deg to WCAf Hausa till Aug.31
 0600-0628 on 15340 ISS 500 kW / 170 deg to WCAf Hausa till Aug.31
 0600-0658 on 11605 MEY 100 kW / 345 deg to WeAf French
 0600-0658 on 11700 ISS 500 kW / 185 deg to NWAf French
 0600-0658 on 13695 ISS 500 kW / 185 deg to NWAf French
 0600-0658 on 15300 ISS 500 kW / 153 deg to CeAf French
 0700-0728 on 13685 ISS 500 kW / 170 deg to WCAf Hausa
 0700-0728 on 15315 ISS 500 kW / 170 deg to WCAf Hausa
 0700-0758 on 11700 ISS 500 kW / 204 deg to NWAf French
 0700-0758 on 13695 ISS 500 kW / 190 deg to WCAf French
 0700-0758 on 15170 MEY 100 kW / 328 deg to WeAf French
 0700-0758 on 15300 ISS 500 kW / 185 deg to NWAf French
 0700-0758 on 17850 ISS 500 kW / 160 deg to CeAf French
 0700-0758 on 21580 ISS 500 kW / 155 deg to CeAf French
 0800-0858 on 13695 ISS 500 kW / 204 deg to NWAf French
 0800-0858 on 15300 ISS 500 kW / 190 deg to NoAf French
 0800-0858 on 17620 ISS 500 kW / 170 deg to WCAf French
 0800-0858 on 21580 ISS 500 kW / 155 deg to CeAf French
 0930-1028 on 7325 TAI 250 kW / 352 deg to EaAs Chinese
 0930-1028 on 11875 TAI 250 kW / 352 deg to EaAs Chinese
 1100-1128 on 15680 TAI 100 kW / 352 deg to EaAs French
 1200-1258 on 17620 ISS 500 kW / 200 deg to NWAf French
 1200-1258 on 17660 MEY 250 kW / 342 deg to CeAf French
 1200-1258 on 21580 ISS 500 kW / 155 deg to CeAf French
 1200-1258 on 21690 ISS 500 kW / 185 deg to WCAf French
 1300-1328 on 15160 ISS 500 kW / 055 deg to EaEu Russian
 1300-1328 on 17850 ISS 500 kW / 080 deg to CeAs Russian
 1400-1458 on 7380 TAI 100 kW / 250 deg to SEAs Vietnamese
 1430-1458 NF 15360 ISS 500 kW / 085 deg to WeAs Farsi, ex 21580
 1430-1458 on 17850 ISS 500 kW / 085 deg to WeAs Farsi
 1500-1528 on 13630 ISS 500 kW / 055 deg to EaEu Russian
 1500-1528 on 15215 ISS 500 kW / 080 deg to CeAs Russian
 1500-1558 on 9565 TSH 100 kW / 250 deg to SEAs Vietnamese
 1500-1558 on 15360 MEY 250 kW / 007 deg to EaAf Swahili
 1600-1658 on 17615 ISS 500 kW / 170 deg to WCAf Hausa
 1700-1728 on 9870 MEY 100 kW / 328 deg to WeAf Portuguese
 1700-1758 on 13620 ISS 500 kW / 085 deg to WeAs Pashto
 1700-1758 on 13740 ISS 500 kW / 185 deg to WCAf French
 1700-1758 on 15300 ISS 500 kW / 162 deg to CeAf French
 1700-1758 on 15300 ISS 500 kW / 204 deg to NWAf French
 1700-1758 on 17620 ISS 500 kW / 185 deg to WCAf French
 1700-1758 on 17850 ISS 500 kW / 153 deg to CeAf French
 1800-1858 on 11795 ISS 500 kW / 055 deg to EaEu Russian
 1800-1858 on 11995 ISS 500 kW / 160 deg to CeAf French
 1800-1858 on 13620 ISS 500 kW / 080 deg to CeAs Russian
 1800-1858 on 13740 ISS 500 kW / 185 deg to WCAf French
 1800-1858 on 15300 ISS 500 kW / 162 deg to CeAf French
 1800-1858 on 15300 ISS 500 kW / 204 deg to NWAf French
 1800-1858 on 17850 ISS 500 kW / 153 deg to CeAf French
 1900-1928 on 5950 MEY 250 kW / 320 deg to WeAf Portuguese
 1900-1958 on 11995 ISS 500 kW / 160 deg to CeAf French
 1900-1958 on 13740 ISS 500 kW / 204 deg to NWAf French
 1900-1958 on 15300 ISS 500 kW / 185 deg to WCAf French
 1900-1958 on 17850 ISS 500 kW / 153 deg to CeAf French
 2000-2158 on 7205 ISS 500 kW / 190 deg to WCAf French
 2000-2158 on 11995 ISS 500 kW / 195 deg to WCAf French
 2200-2258 on 7310 TSH 300 kW / 325 deg to EaAs Chinese
 2300-2358 on 9955 TAI 250 kW / 352 deg to EaAs Chinese
 (DX MIX NEWS #792, July 29, 2013)

GERMANY - Shortwave Rock 6045, instead of Iceman Radio on Sunday, July 28:

0900-1000 6045 N 100 kW / 275 deg CEu English/Mx 1st/3rd/4th Su

More Shortwave Rock 6045 broadcasts are scheduled on following dates:

0900-1000 6045 N 100 kW / 275 deg CEu English 4th Su August 25
 0900-1000 6045 N 100 kW / 275 deg CEu English 4th Su September 29
 0900-1000 6045 N 100 kW / 275 deg CEu English 4th Su October 27
 (DX MIX NEWS #792, July 29, 2013)

German maritime marine ship "Niedersachsen" left Wilhemshaven-Germany for Puntland Red Sea Anti-Pirate "Atalanta" control function on July 28. [That day] German marine bcst radio in DRM mode, Bundeswehr Radio Andernach program (D-Radio relay) reported in A-DX news group on 5995 kHz (seemingly from Nauen site) 12-14 UTC.

Noted again, but on 9590drm instead, 9590 kHz at 1210 UT S=9+15dB in Germany dead zone, DRM with Dream decoded, Radio Andernach, ID FC2010, D-Radio News,
 Data Journaline 1.92 kbps
 AAC 19.04 kbps EEP
 SNR 11.2 dB
 MSC 15.5 dB.
 Exact 10 kHz wide,
 (AM Kall R 700 in comparision 12 kHz much wide on air on 5999-6011, 7304-7316 kHz.) (wb)

Changes of Media Broadcast (MBR):

Bible Voice Broadcasting

0700-0730 5945 N 100 kW / 270 deg to WEu English Su, ex till 0745
 0700-0745 5945 N 100 kW / 270 deg to WEu English Sa, ex Sa/Su
 1630-1645 15215 MOS 125 kW / 095 deg to SAs Tamil Fri, cancelled
 1630-1645 15215 N 125 kW / 100 deg to SAs Tamil Sun, cancelled
 1730-1800 17515 N 100 kW / 148 deg to EAF Amharic Wed, cancelled
 1800-1830 17515 N 100 kW / 148 deg to EAF Somali Su, cancelled
 1830-1845 17515 N 100 kW / 148 deg to EAF Amharic Sa, ex till 1900
 (Ivo Ivanov blog Aug 14 via DXLD)

GERMANY [non] - Frequency changes of Deutsche Welle effective from August 1:

0300-0400 NF 7225 ASC 250 kW / 100 deg to CAF Swahili, ex 12070
 0400-0500 NF 9810*KIG 250 kW / non-dir to CEAF English, ex 12045
 1000-1100 on 12070 KIG 250 kW / 265 deg to CAF Swahili, cancelled
 1900-2000 NF 7340 KIG 250 kW / 210 deg to SAF English, ex 15275
 2000-2100 on 12070 KIG 250 kW / 295 deg to CAF English, cancelled
 * co-channel Radio Habana Cuba in Spanish
 (Ivo Ivanov blog July 26 via WOR 1680, DXLD)

GUAM - Some changes of Adventist World Radio - KSDA Agat, Guam:

1000-1100 15705 SDA 100 kW 315 deg to EAs Chinese Mon-Sat, additional
 1000-1100 15705 SDA 100 kW 315 deg to EAs Cantonese Sun, additional
 1100-1200 11775 SDA 100 kW 330 deg to EAs Chinese, unregistered frequency*
 1530-1600 NF 15710 SDA 100 kW 285 deg to SEAs Marathi, ex11995
 2200-2400 NF 15260 SDA 100 kW 330 deg to EAs Chinese, ex11830, re-12120
 * instead of registered in HFCC database frequency 11700 kHz.
 (DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews Aug 5)

11775 was still on March 19 AWR list, but seemingly a keypad typing error occured, in HFCC appeared 11700 kHz instead, 11775 1100-1200 32S,33S,43N,44N SDA 100 330 15 216 Cmn USA SDA FCC

Some Chinese language - WRTH mentioned 'Yue' - heard around 1045 UT on Aug 10, S=6-7 fair signal into western Europe.

15705 1000-1100 UT, 43N,44N SDA 100kW 315degr 17=Sat/Sun, Yue lang, KSDA
 (wb, wwdxc BC-DX TopNews Aug 10)

KYRGYZSTAN - Kyrgyz NR Bishkek was heard on Aug 3 and after 1915 hrs on 4010 kHz, maybe increased bc time during the Ramadan. But anyone does know why is not heard now Radio Rassii prgr on 4050 kHz or it was forbidden and stopped together with Russian military Radio Zvezda there? (Rumen Pankov-BUL, wwdxc BC-DX TopNews Aug 8)

PALAU / U.S.A. - New additional 5 hours of WTWW-2 SW effective from July 30:

1200-1500 9930*TW 100 kW 180 deg to SAm English, Brother Stair/TOM/
 1500-1700 9930#TW 100 kW 180 deg to SAm English, Unshackled+others
 * this frequency also broadcast World Harvest Radio only in these times:

1200-1230 9930 HBN 100 kW 318 deg to EAs Vietnam. Fri R. Que Me Angel 3
 1200-1300 9930 HBN 100 kW 318 deg to EAs English Sat/Sun Angel 3
 1300-1400 9930 HRI 100 kW 345 deg to NEAs English Sat/Sun Angel 5
 # empty carrier until 1517 July 30/Aug.1, 1527 July 31, 1512 Aug.2
 (DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews Aug 5)

SOMALILAND [SOMALIA] - Summer A-13 of Radio Hargeysa:

0330-0500 on 7120 HAR 100 kW / non-dir to SOM Somali
 0500-0630 on 7120 HAR 100 kW / non-dir to SOM Somali, irregular
 1230-1400 on 7120 HAR 100 kW / non-dir to SOM Somali, irregular
 1500-1900 on 7120 HAR 100 kW / non-dir to SOM Somali
 (DX MIX NEWS #790, July 15, 2013)

SPAIN [and non] - Summer A-13 of R Exterior de España:

0000-0100 on 6055 NOB 250 kW / 290 deg to NoAm English
 0000-0100 on 9535 NOB 250 kW / 272 deg to CeAm Spanish
 0000-0100 on 9620 NOB 250 kW / 230 deg to SoAm Spanish
 0000-0100 on 15160 NOB 250 kW / 242 deg to SoAm Spanish
 0100-0200 on 5995 CRI 100 kW / 110 deg to SoAm Spanish
 0100-0200 on 9535 NOB 250 kW / 272 deg to CeAm Spanish
 0100-0200 on 9620 NOB 250 kW / 230 deg to SoAm Spanish
 0100-0200 on 15160 NOB 250 kW / 242 deg to SoAm Spanish
 0115-0145 on 11795 NOB 250 kW / 248 deg to SoAm Sefardi Tue
 0200-0400 on 3350 CRI 100 kW / 000 deg to CeAm Spanish
 0200-0400 on 5995 CRI 100 kW / 110 deg to SoAm Spanish
 0200-0400 on 6125 NOB 250 kW / 242 deg to SoAm Spanish
 0200-0400 on 9535 NOB 250 kW / 272 deg to CeAm Spanish
 0200-0400 on 9620 NOB 250 kW / 230 deg to SoAm Spanish
 0400-0500 on 3350 CRI 100 kW / 000 deg to CeAm Spanish
 0400-0500 on 5965 CRI 100 kW / 150 deg to SoAm Spanish
 0400-0500 on 6125 NOB 250 kW / 242 deg to SoAm Spanish
 0400-0500 on 9535 NOB 250 kW / 272 deg to CeAm Spanish
 0400-0500 on 9620 NOB 250 kW / 230 deg to SoAm Spanish
 0415-0445 on 9650 NOB 250 kW / 290 deg to NoAm Sefardi Tue
 0500-0600 on 3350 CRI 100 kW / 000 deg to CeAm Spanish
 0500-0600 on 5965 CRI 100 kW / 150 deg to SoAm Spanish
 0600-0800 on 5965 CRI 100 kW / 150 deg to SoAm Spanish
 1100-1200 on 21515 NOB 250 kW / 161 deg to WCAf Spanish
 1100-1200 on 21610 NOB 250 kW / 110 deg to NEAf Spanish
 1200-1400 on 5970 CRI 100 kW / 000 deg to CeAm Spanish Sun-Fri
 1200-1400 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sun-Fri
 1200-1400 on 11910 BEI 500 kW / 142 deg to SEAs Spanish
 1200-1400 on 21515 NOB 250 kW / 161 deg to WCAf Spanish
 1200-1400 on 21610 NOB 250 kW / 110 deg to NEAf Spanish
 1400-1500 on 5970 CRI 100 kW / 000 deg to CeAm Spanish Sun-Fri
 1400-1500 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sun-Fri
 1400-1500 on 15585 NOB 250 kW / 060 deg to WeEu Spanish Sun
 1400-1500 on 17715 NOB 250 kW / 230 deg to SoAm Spanish Sun
 1400-1500 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat
 1400-1500 on 21515 NOB 250 kW / 161 deg to WCAf Spanish Sun-Fri
 1400-1500 on 21610 NOB 250 kW / 110 deg to NEAf Spanish
 1425-1455 on 15385 NOB 250 kW / 092 deg to N/ME Sefardi Mon
 1500-1600 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sun
 1500-1600 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun
 1500-1600 on 15385 NOB 250 kW / 161 deg to WCAf Spanish Mon-Fri
 1500-1600 on 15585 NOB 250 kW / 060 deg to WeEu Spanish Sat/Sun
 1500-1600 on 17715 NOB 250 kW / 230 deg to SoAm Spanish Sun-Fri
 1500-1600 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat
 1500-1600 on 21515 NOB 250 kW / 161 deg to WCAf Spanish Sun
 1500-1600 on 21610 NOB 250 kW / 110 deg to NEAf Spanish
 1600-1700 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sun
 1600-1700 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sat/Sun
 1600-1700 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun

1600-1700 on 15385 NOB 250 kW / 161 deg to WCAf Spanish Mon-Fri
 1600-1700 on 15585 NOB 250 kW / 060 deg to WeEu Spanish Sat
 1600-1700 on 17715 NOB 250 kW / 230 deg to SoAm Spanish
 1600-1700 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat/Sun
 1600-1700 on 21515 NOB 250 kW / 161 deg to WCAf Spanish Sun
 1600-1700 on 21610 NOB 250 kW / 110 deg to NEAf Spanish
 1700-1730 on 15325 NOB 250 kW / 068 deg to EaEu Russian Mon-Fri
 1700-1800 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sat/Sun
 1700-1800 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sat/Sun
 1700-1800 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun
 1700-1800 on 17715 NOB 250 kW / 230 deg to SoAm Spanish
 1700-1800 on 17755 NOB 250 kW / 161 deg to WCAf Spanish
 1700-1800 on 21610 NOB 250 kW / 110 deg to NEAf Arabic
 1800-1900 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sat/Sun
 1800-1900 on 9665 NOB 250 kW / 050 deg to WeEu French Mon-Fri
 1800-1900 on 9765 CRI 100 kW / 000 deg to CeAm Spanish
 1800-1900 on 11815 CRI 100 kW / 110 deg to SoAm Spanish
 1800-1900 on 17715 NOB 250 kW / 230 deg to SoAm Spanish
 1800-1900 on 17755 NOB 250 kW / 161 deg to WCAf Spanish
 1800-1900 on 21610 NOB 250 kW / 110 deg to NEAf Arabic
 1900-2000 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sat/Sun
 1900-2000 on 9570 NOB 250 kW / 170 deg to CeAf French Sat
 1900-2000 on 9570 NOB 250 kW / 170 deg to NWAf Arabic Mon-Fri
 1900-2000 on 9665 NOB 250 kW / 038 deg to WeEu English Mon-Fri
 1900-2000 on 9765 CRI 100 kW / 000 deg to CeAm Spanish
 1900-2000 on 11615 NOB 250 kW / 161 deg to NWAf English Mon-Fri
 1900-2000 on 11815 CRI 100 kW / 110 deg to SoAm Spanish
 1900-2000 on 12015 NOB 250 kW / 110 deg to NEAf French Sun
 1900-2000 on 17715 NOB 250 kW / 230 deg to SoAm Spanish Sat/Sun
 1900-2000 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat/Sun
 2000-2100 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sat/Sun
 2000-2100 on 9570 NOB 250 kW / 170 deg to NWAf Arabic Mon-Fri
 2000-2100 on 9570 NOB 250 kW / 170 deg to NWAf Arabic Sat/Sun
 2000-2100 on 9685 NOB 250 kW / 110 deg to NEAf French Mon-Fri
 2000-2100 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sat/Sun
 2000-2100 on 11615 NOB 250 kW / 161 deg to NWAf French Mon-Fri
 2000-2100 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun
 2000-2100 on 17715 NOB 250 kW / 230 deg to SoAm Spanish Sat/Sun
 2000-2100 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat/Sun
 2100-2200 on 7275 NOB 250 kW / 050 deg to WeEu Spanish Sat/Sun
 2100-2200 on 9570 NOB 250 kW / 170 deg to NWAf Arabic Sat/Sun
 2100-2200 on 9660 NOB 250 kW / 038 deg to WeEu English Sat/Sun
 2100-2200 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sat/Sun
 2100-2200 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun
 2100-2200 on 17595 NOB 250 kW / 230 deg to SoAm Portuguese Mon-Fri
 2100-2200 on 17715 NOB 250 kW / 230 deg to SoAm Spanish Sat/Sun
 2100-2200 on 17755 NOB 250 kW / 161 deg to WCAf Spanish Sat/Sun
 2200-2300 on 9570 NOB 250 kW / 170 deg to NWAf Spanish
 2200-2300 on 9765 CRI 100 kW / 000 deg to CeAm Spanish Sat/Sun
 2200-2300 on 11815 CRI 100 kW / 110 deg to SoAm Spanish Sat/Sun
 2300-2400 on 6055 NOB 250 kW / 290 deg to NoAm French
 2300-2400 on 6155 NOB 250 kW / 050 deg to WeEu French Sat/Sun
 2300-2400 on 9535 NOB 250 kW / 272 deg to CeAm Spanish
 2300-2400 on 9620 NOB 250 kW / 230 deg to SoAm Spanish
 2300-2400 on 15160 NOB 250 kW / 242 deg to SoAm Spanish

DRM transmissions:

0000-0100 on 11815 CRI 100 kW / 110 deg to SoAm Spanish
 0000-0200 on 9630 CRI 100 kW / 340 deg to NoAm Spanish
 0500-0900 on 9780 NOB 050 kW / 050 deg to WeEu Spanish
 0900-1100 on 15585 NOB 050 kW / 060 deg to WeEu Spanish
 1100-1300 on 13720 NOB 050 kW / 000 deg to WeEu Spanish
 (DX MIX NEWS #792, July 29)

SRI LANKA - PCJ Radio International will continue to broadcast SW:

1330-1430 11835 TRM 125 kW 045 deg to EAs English only Sunday.
The next broadcast will be Sept 1, 2013.
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 29)

SUDAN - New summer A-13 of Radio Omdurman Sudan:

0215-0400 on 7205 ALF 100 kW / 210 deg to CAf Arabic, ex 0230-0400
1430-1600 on 7205 ALF 100 kW / 210 deg to CAf Arabic, cancelled
1930-2100 on 7205 ALF 100 kW / 210 deg to CAf Arabic, ex 1900-2100
Start and end of transmissions slightly vary between 1-3-5 minutes.

New summer A-13 of Voice of Africa Radio:

0530-0630 on 9505 ALF 100 kW / 110 deg to EAf Somali, ex 0400-0500
0630-0730 on 9505 ALF 100 kW / 110 deg to EAf Swahili, ex 0500-0600
0730-0830 on 9505 ALF 100 kW / 110 deg to EAf English, ex 0600-0700
1630-1730 on 9505 ALF 100 kW / 210 deg to CAf French, ex 1600-1700
1730-1830 on 9505 ALF 100 kW / 210 deg to CAf English, ex 1700-1800
1830-1930 on 9505 ALF 100 kW / 210 deg to CAf Arabic, ex 1800-1900
Start and end of transmissions slightly vary between 1-3-5 minutes
(DX MIX NEWS #790, July 15, 2013)

TUNISIA - New A-13 schedule of Radio TV Tunisia - only 3 morning programs:

0357-0456 on 17735 SFA 250 kW / 100 deg to N/ME Arabic, ex 0257-0506
0457-0556 on 7275 SFA 500 kW / 340 deg to WEu Arabic, ex 0357-0626
0657-0756 on 7335 SFA 500 kW / 265 deg to NAF Arabic, ex 0557-0806

1557-2006 on 17735 SFA 250 kW / 100 deg to N/ME Arabic, cancelled
1657-2126 on 7225 SFA 500 kW / 340 deg to WEu Arabic, cancelled
1857-2306 on 7345 SFA 500 kW / 265 deg to NAF Arabic, cancelled
(DX MIX NEWS #790, July 15, 2013)

U.K. [and non] - Frequency changes of BBC World Service to avoid Chinese jamming:

1000-1200 NF 17660 NAK 250 kW / 025 deg English Thu, ex 17760
1000-1200 NF 17705 NAK 250 kW / 025 deg English Mo/Fr, ex 17760
1000-1200 NF 17840 NAK 250 kW / 025 deg English Wed/Sa, ex 17760
1000-1200 on 17760 NAK 250 kW / 025 deg English Su/Tue, ex Daily
2300-2400 NF 11585 NAK 250 kW / 020 deg English Mo/Sa, ex 12010
2300-2400 NF 11760 NAK 250 kW / 020 deg English Su/Tue, ex 12010
2300-2400 NF 11825 NAK 250 kW / 020 deg English Thu, ex 12010
2300-2400 on 12010 NAK 250 kW / 020 deg English Wed/Fr, ex Daily
0000-0100 NF 15180 NAK 250 kW / 025 deg English Mo/Thu, ex 15755
0000-0100 NF 15225 NAK 250 kW / 025 deg English Fr, ex 15755
0000-0100 NF 15610 NAK 250 kW / 025 deg English Sa/Su, ex 15755
0000-0100 on 15755 NAK 250 kW / 025 deg English Tue/Wed, ex Daily
(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 29)

Came across 13695 kHz today, any listings on that? Found this already now 1600-1630 UT: BBC Uzbek 13695 AI Dhabbaya UAE; 15175 Wof (wb)

U.S.A. - Test or frequency change of WWCR-4 on Saturday July 27 0100-0400 UTC:

0000-0100 7520 WCR 100 kW / 090 deg CAm English Tue-Sa, ex 0000-0200
0100-0200 NF 6115 WCR 100 kW / 090 deg CAm English Tue-Sa, ex 7520
0200-0300 NF 6115 WCR 100 kW / 090 deg CAm English Tue-Sa, ex 5890
0300-0400 NF 6115 WCR 100 kW / 090 deg CAm English, ex 5890 BS-TOM*
0400-1100 5890 WCR 100 kW / 090 deg CAm English, ex 0300-1100
* relay Brother Stair The Overcomer Ministry
(Ivo Ivanov, dxldyg via DXLD)

6115, UT Sunday July 28 circa 0245, WWCR is gone again from this frequency which was on with #4 programming the night before; maybe in use weeknights only? (gh, DXLD)

New summer A-13 schedule of WTWW-2 effective from July 30:

1200-1400 9930 TWW 100 kW 180 deg to SAm English, Brother Stair/TOM/
1400-1700 9930 TWW 100 kW 180 deg to SAm English, additional program
1700-2400 9930 TWW 100 kW 180 deg to SAm English

0000-0400 5085 TWW 100 kW 180 deg to SAm English
(Ivo Ivanov-BUL, via wwdxc BC-DX TopNews July 30)

U.S.A.[and non]. Summer A-13 for Voice of America and Radio Marti:

0000-0030 on 5955 UD0 250 kW / 280 deg to SEAs Burmese
 0000-0030 on 7430 IRA 250 kW / 057 deg to SEAs Burmese
 0000-0030 on 9325 PHT 250 kW / 270 deg to SEAs Burmese
 0000-0100 on 7250 KWT 250 kW / 080 deg to CeAs Tibetan
 0000-0100 on 9310 UD0 250 kW / 324 deg to CeAs Tibetan Tue/Thu
 0000-0100 on 9340 UD0 250 kW / 324 deg to CeAs Tibetan Mon/Wed/Fri
 0000-0100 on 9350 UD0 250 kW / 324 deg to CeAs Tibetan Sat
 0000-0100 on 9360 UD0 250 kW / 324 deg to CeAs Tibetan Sun
 0000-0100 on 9545 PHT 250 kW / 332 deg to EaAs Chinese
 0000-0100 on 9855 IRA 250 kW / 020 deg to CeAs Tibetan
 0000-0100 on 15385 PHT 250 kW / 332 deg to EaAs Chinese
 0000-0100 on 15565 UD0 250 kW / 030 deg to EaAs Chinese
 0000-0100 on 17560 PHT 250 kW / 349 deg to EaAs Chinese
 0030-0100 on 7430 KWT 250 kW / 082 deg to SoAs Learning English
 0030-0100 on 9325 UD0 250 kW / 280 deg to SEAs Learning English
 0030-0100 on 9790 PHT 250 kW / 270 deg to SEAs Learning English
 0030-0100 on 12015 UD0 250 kW / 030 deg to EaAs Learning English
 0030-0100 on 15290 PHT 250 kW / 349 deg to EaAs Learning English
 0030-0100 on 17820 PHT 250 kW / 021 deg to EaAs Learning English
 0000-0300 on 6030 GB 250 kW / 225 deg to Cuba Spanish Radio Marti
 0000-0300 on 7365 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 0100-0200 on 7430 KWT 250 kW / 082 deg to SoAs English
 0100-0200 on 9780 IRA 250 kW / 356 deg to SoAs English
 0100-0200 on 15205 UD0 250 kW / 292 deg to SoAs English
 0100-0300 on 9370 KWT 250 kW / 080 deg to WeAs Pashto Deewa Radio
 0100-0300 on 11895 IRA 250 kW / 340 deg to WeAs Pashto Deewa Radio
 0100-0300 on 12035 KWT 250 kW / 078 deg to WeAs Pashto Deewa Radio
 0130-0200 on 9825 GB 250 kW / 172 deg to SoAm Learning English Tue-Sat
 0130-0230 on 11565 KWT 250 kW / 070 deg to WeAs Dari Radio Ashna
 0130-0230 on 15090 UD0 250 kW / 300 deg to WeAs Dari Radio Ashna
 0130-0300 on 7305 UD0 250 kW / 276 deg to SEAs Burmese
 0130-0300 on 15115 PHT 250 kW / 283 deg to SEAs Burmese
 0130-0300 on 17780 PHT 250 kW / 283 deg to SEAs Burmese
 0230-0300 on 5745 GB 250 kW / 190 deg to Cuba Radiogram Sun
 0300-0330 on 6135 SMG 250 kW / 146 deg to SDN Arabic Afia Darfur
 0300-0330 on 7260 SA0 100 kW / 052 deg to SDN Arabic Afia Darfur
 0300-0330 on 9815 NAU 250 kW / 160 deg to SDN Arabic Afia Darfur
 0300-0400 on 4930 BOT 100 kW / 020 deg to SoAf English
 0300-0400 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti Tue-Sun
 0300-0400 on 6080 SA0 100 kW / 138 deg to CSAf English
 0300-0400 on 7365 GB 250 kW / 183 deg to Cuba Spanish Radio Marti Tue-Sun
 0300-0400 on 9370 KWT 250 kW / 080 deg to WeAs Pashto Deewa Radio
 0300-0400 on 9885 BOT 100 kW / 350 deg to CeAf English
 0300-0400 on 11895 KWT 250 kW / 078 deg to WeAs Pashto Deewa Radio
 0300-0400 on 12035 KWT 250 kW / 078 deg to WeAs Pashto Deewa Radio
 0300-0400 on 15130 UD0 250 kW / 313 deg to CeAs Tibetan
 0300-0400 on 17735 PHT 250 kW / 315 deg to CeAs Tibetan
 0300-0400 on 21460 PHT 250 kW / 315 deg to CeAs Tibetan Mon
 0300-0400 on 21470 PHT 250 kW / 315 deg to CeAs Tibetan Tue
 0300-0400 on 21480 PHT 250 kW / 315 deg to CeAs Tibetan Wed
 0300-0400 on 21490 PHT 250 kW / 315 deg to CeAs Tibetan Thu
 0300-0400 on 21500 PHT 250 kW / 315 deg to CeAs Tibetan Fri
 0300-0400 on 21515 PHT 250 kW / 315 deg to CeAs Tibetan Sat
 0300-0400 on 21530 PHT 250 kW / 315 deg to CeAs Tibetan Sun
 0330-0400 on 7325 SA0 100 kW / 100 deg to SoAf Kinyarwanda
 0330-0400 on 7340 BOT 100 kW / 010 deg to SoAf Kinyarwanda
 0330-0400 on 11750 SMG 250 kW / 130 deg to EaAf Somali
 0330-0400 on 11905 SA0 100 kW / 100 deg to SoAf Kinyarwanda
 0330-0400 on 13680 IRA 250 kW / 275 deg to EaAf Somali
 0330-0400 on 15620 IRA 250 kW / 267 deg to EaAf Somali
 0400-0430 on 7325 SA0 100 kW / 100 deg to SoAf Kinyarwanda Sat/Sun

0400-0430 on 7340 BOT 100 kW / 010 deg to SoAf Kinyarwanda Sat/Sun
 0400-0430 on 9885 BOT 100 kW / 350 deg to CeAf English
 0400-0430 on 11905 SAO 100 kW / 100 deg to SoAf Kinyarwanda Sat/Sun
 0400-0500 on 4930 BOT 100 kW / 020 deg to SoAf English
 0400-0500 on 4960 SAO 100 kW / 030 deg to WCAf English
 0400-0500 on 6080 SAO 100 kW / 138 deg to CSAf English
 0400-0500 on 12025 BOT 100 kW / 350 deg to CeAf English
 0400-0500 on 15155 UDO 250 kW / 313 deg to CeAs Tibetan
 0400-0500 on 17735 UDO 250 kW / 324 deg to CeAs Tibetan
 0400-0500 on 21455 PHT 250 kW / 315 deg to CeAs Tibetan Mon
 0400-0500 on 21465 PHT 250 kW / 315 deg to CeAs Tibetan Tue
 0400-0500 on 21500 PHT 250 kW / 315 deg to CeAs Tibetan Wed
 0400-0500 on 21510 PHT 250 kW / 315 deg to CeAs Tibetan Thu
 0400-0500 on 21530 PHT 250 kW / 315 deg to CeAs Tibetan Fri
 0400-0500 on 21550 PHT 250 kW / 315 deg to CeAs Tibetan Sat
 0400-0500 on 21570 PHT 250 kW / 315 deg to CeAs Tibetan Sun
 0400-0700 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti Tue-Sun
 0400-0700 on 7405 GB 250 kW / 183 deg to Cuba Spanish Radio Marti Tue-Sun
 0500-0530 on 4960 SAO 100 kW / 030 deg to WCAf Hausa
 0500-0530 on 6035 ASC 250 kW / 027 deg to WCAf Hausa
 0500-0530 on 6095 SAO 100 kW / 000 deg to WCAf Hausa
 0500-0600 on 4930 BOT 100 kW / 020 deg to SoAf English
 0500-0600 on 6080 SAO 100 kW / 138 deg to CSAf English
 0500-0600 on 11905 SMG 250 kW / 114 deg to WeAs Kurdish
 0500-0600 on 12025 BOT 100 kW / 010 deg to CSAf English
 0500-0600 on 15265 UDO 250 kW / 313 deg to CeAs Tibetan
 0500-0600 on 15525 IRA 250 kW / 316 deg to WeAs Kurdish
 0500-0600 on 15580 BOT 100 kW / 350 deg to CeAf English
 0500-0600 on 17490 UDO 250 kW / 324 deg to CeAs Tibetan
 0500-0600 on 17870 IRA 250 kW / 299 deg to WeAs Kurdish
 0500-0600 on 21460 PHT 250 kW / 315 deg to CeAs Tibetan Mon
 0500-0600 on 21470 PHT 250 kW / 315 deg to CeAs Tibetan Tue
 0500-0600 on 21480 PHT 250 kW / 315 deg to CeAs Tibetan Wed
 0500-0600 on 21490 PHT 250 kW / 315 deg to CeAs Tibetan Thu
 0500-0600 on 21510 PHT 250 kW / 315 deg to CeAs Tibetan Fri
 0500-0600 on 21530 PHT 250 kW / 315 deg to CeAs Tibetan Sat
 0500-0600 on 21545 PHT 250 kW / 315 deg to CeAs Tibetan Sun
 0530-0600 on 4960 SAO 100 kW / 030 deg to WCAf French Mon-Fri
 0530-0600 on 6095 SAO 100 kW / 000 deg to WCAf French Mon-Fri
 0530-0600 on 9885 BOT 100 kW / 350 deg to CeAf French Mon-Fri
 0530-0600 on 13830 SAO 100 kW / 100 deg to CeAf French Mon-Fri
 0600-0630 on 4960 SAO 100 kW / 030 deg to WCAf French Mon-Fri
 0600-0630 on 6095 SAO 100 kW / 000 deg to WCAf French Mon-Fri
 0600-0630 on 9885 GB 250 kW / 091 deg to CeAf French Mon-Fri
 0600-0630 on 13830 IRA 250 kW / 279 deg to CeAf French Mon-Fri
 0600-0700 on 6080 SAO 100 kW / 138 deg to CSAf English
 0600-0700 on 12025 BOT 100 kW / 010 deg to CSAf English
 0600-0700 on 15580 BOT 100 kW / 350 deg to CeAf English
 0700-0730 on 4960 SAO 100 kW / 030 deg to WCAf Hausa
 0700-0730 NF 11885 SAO 100 kW / 020 deg to WCAf Hausa, ex 11785
 0700-0730 on 13725 SAO 100 kW / 000 deg to WCAf Hausa
 0700-0900 on 5980 GB 250 kW / 174 deg to Cuba Spanish Radio Marti Tue-Sun
 0700-0900 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti Tue-Sun
 0900-1000 on 5980 GB 250 kW / 174 deg to Cuba Spanish Radio Marti
 0900-1000 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 0900-1100 on 11825 PHT 250 kW / 349 deg to EaAs Chinese
 0900-1100 on 11965 UDO 250 kW / 006 deg to EaAs Chinese
 0900-1100 on 13740 UDO 250 kW / 018 deg to EaAs Chinese
 0900-1100 on 17485 UDO 250 kW / 030 deg to EaAs Chinese
 0900-1100 on 21695 PHT 250 kW / 349 deg to EaAs Chinese
 1000-1200 on 6030 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1000-1200 on 9805 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1100-1130 on 12030 SAO 100 kW / 076 deg to WCAf French Sat
 1100-1130 on 13735 SAO 100 kW / 100 deg to WCAf French Sat
 1100-1130 on 15715 GB 250 kW / 094 deg to WCAf French Sat

1100-1130 on 17850 IRA 250 kW / 271 deg to WCAf French Sat
 1100-1200 on 6110 UDO 250 kW / 030 deg to EaAs Chinese
 1100-1200 on 9845 PHT 250 kW / 315 deg to EaAs Chinese
 1100-1200 on 11785 UDO 250 kW / 006 deg to EaAs Chinese
 1100-1200 on 11825 PHT 250 kW / 349 deg to EaAs Chinese
 1130-1230 on 11965 PHT 250 kW / 270 deg to SEAs Burmese
 1130-1230 on 15555 PHT 250 kW / 283 deg to SEAs Burmese
 1130-1230 on 17680 PHT 250 kW / 315 deg to SEAs Burmese
 1200-1300 on 6110 UDO 250 kW / 030 deg to EaAs Chinese
 1200-1300 on 7225 PHT 250 kW / 021 deg to EaAs Korean
 1200-1300 on 7405 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1200-1300 on 7575 UDO 250 kW / 018 deg to EaAs English
 1200-1300 on 9490 TIN 250 kW / 333 deg to EaAs Korean
 1200-1300 on 9510 PHT 250 kW / 283 deg to SEAs English
 1200-1300 on 9805 GB 250 kW / 183 deg to Cuba Spanish Radio Marti
 1200-1300 on 11785 UDO 250 kW / 006 deg to EaAs Chinese
 1200-1300 on 11825 PHT 250 kW / 349 deg to EaAs Chinese
 1200-1300 on 12075 PHT 125 kW / 349 deg to SEAs English
 1200-1300 on 12150 PHT 250 kW / 270 deg to EaAs English
 1200-1300 on 15250 PHT 250 kW / 315 deg to EaAs Chinese
 1200-1300 on 15775 PHT 250 kW / 021 deg to EaAs Korean
 1230-1300 on 9695 PHT 250 kW / 270 deg to SEAs Laotian
 1230-1300 on 11965 PHT 250 kW / 270 deg to SEAs Laotian
 1300-1330 on 6095 GB 250 kW / 190 deg to Cuba Radiogram Sun
 1300-1400 on 6110 PHT 250 kW / 332 deg to EaAs Chinese
 1300-1400 on 7225 PHT 250 kW / 021 deg to EaAs Korean
 1300-1400 on 7365 UDO 250 kW / 054 deg to CeAs Cantonese
 1300-1400 on 7405 GB 250 kW / 205 deg to Cuba Spanish Radio Marti
 1300-1400 on 7495 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
 1300-1400 on 7575 UDO 250 kW / 018 deg to SEAs English Sat/Sun
 1300-1400 on 9310 IRA 250 kW / 334 deg to WeAs Pashto Deewa Radio
 1300-1400 on 9510 PHT 250 kW / 283 deg to SEAs English Sat/Sun
 1300-1400 on 9695 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
 1300-1400 on 11785 UDO 250 kW / 349 deg to EaAs Chinese
 1300-1400 on 11805 SAI 100 kW / 310 deg to EaAs Chinese
 1300-1400 on 11935 TIN 250 kW / 333 deg to EaAs Korean
 1300-1400 on 11990 NVS 250 kW / 120 deg to EaAs Chinese
 1300-1400 on 12075 TIN 250 kW / 049 deg to SEAs English Sat/Sun
 1300-1400 on 12150 PHT 250 kW / 270 deg to EaAs English Sat/Sun
 1300-1400 on 13690 IRA 250 kW / 340 deg to WeAs Pashto Deewa Radio
 1300-1400 on 13820 GB 250 kW / 174 deg to Cuba Spanish Radio Marti
 1300-1400 on 15115 UDO 250 kW / 014 deg to EaAs Chinese
 1300-1400 on 15170 IRA 250 kW / 267 deg to EaAf Somali
 1300-1400 on 15775 PHT 250 kW / 021 deg to EaAs Korean
 1300-1400 on 17530 SMG 250 kW / 139 deg to EaAf Somali
 1330-1430 on 11695 IRA 250 kW / 073 deg to SEAs Khmer
 1400-1500 on 4930 BOT 100 kW / 020 deg to SoAf English
 1400-1500 on 6080 SAO 100 kW / 138 deg to SoAf English
 1400-1500 on 6110 PHT 250 kW / 021 deg to EaAs Chinese
 1400-1500 on 7225 TIN 250 kW / 329 deg to EaAs Korean
 1400-1500 on 7365 PHT 250 kW / 332 deg to CeAs Cantonese
 1400-1500 on 7495 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
 1400-1500 on 7575 UDO 250 kW / 268 deg to SoAs English Mon-Fri
 1400-1500 on 9310 IRA 250 kW / 334 deg to WeAs Pashto Deewa Radio
 1400-1500 on 9695 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
 1400-1500 on 9845 UDO 250 kW / 030 deg to EaAs Chinese
 1400-1500 on 9850 BIB 100 kW / 105 deg to WeAs Kurdish
 1400-1500 on 9920 UDO 250 kW / 324 deg to CeAs Tibetan
 1400-1500 on 11615 PHT 250 kW / 332 deg to CeAs Chinese
 1400-1500 on 11935 TIN 250 kW / 333 deg to EaAs Korean
 1400-1500 on 11990 NVS 250 kW / 120 deg to EaAs Chinese
 1400-1500 on 12040 PHT 250 kW / 332 deg to EaAs Chinese
 1400-1500 on 12150 PHT 250 kW / 270 deg to SoAs English Mon-Fri
 1400-1500 on 13690 LAM 100 kW / 092 deg to WeAs Pashto Deewa Radio
 1400-1500 NF 15490 PHT 250 kW / 270 deg to SEAs English Mon-Fri, ex 12120

1400-1500 on 15775 PHT 250 kW / 021 deg to EaAs Korean
1400-1500 on 15580 SAO 100 kW / 138 deg to SoAf English
1400-1500 on 17505 LAM 100 kW / 077 deg to CeAs Tibetan Mon
1400-1500 on 17530 LAM 100 kW / 077 deg to CeAs Tibetan Tue
1400-1500 on 17540 LAM 100 kW / 077 deg to CeAs Tibetan Wed
1400-1500 on 17560 LAM 100 kW / 077 deg to CeAs Tibetan Thu
1400-1500 on 17570 LAM 100 kW / 077 deg to CeAs Tibetan Fri
1400-1500 on 17580 LAM 100 kW / 077 deg to CeAs Tibetan Sun
1400-1500 on 17590 LAM 100 kW / 077 deg to CeAs Tibetan Sat
1400-1500 on 17740 UDO 250 kW / 321 deg to CeAs Tibetan
1400-1500 on 17870 IRA 250 kW / 299 deg to WeAs Kurdish
1400-1800 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
1400-1800 on 13820 GB 250 kW / 174 deg to Cuba Spanish Radio Marti
1430-1500 on 12075 TIN 250 kW / 287 deg to SEAs Burmese
1430-1530 on 9335 KWT 250 kW / 070 deg to WeAs Pashto Radio Ashna
1430-1530 on 9790 KWT 250 kW / 080 deg to WeAs Pashto Radio Ashna
1430-1530 on 11965 IRA 250 kW / 057 deg to SEAs Burmese
1430-1530 on 15090 KWT 250 kW / 070 deg to WeAs Pashto Radio Ashna
1430-1630 on 5880 PHT 250 kW / 270 deg to SEAs Burmese
1430-1630 on 9320 PHT 250 kW / 270 deg to SEAs Burmese
1500-1530 on 9540 UDO 250 kW / 316 deg to CeAs Uzbek
1500-1530 on 9580 PHT 250 kW / 315 deg to CeAs Uzbek
1500-1530 on 11920 SMG 250 kW / 073 deg to CeAs Uzbek
1500-1530 on 12085 SAO 100 kW / 000 deg to WCAf Hausa
1500-1530 on 13725 SAO 100 kW / 020 deg to WCAf Hausa
1500-1530 on 15100 KWT 250 kW / 046 deg to CeAs Uzbek Tue/Sat
1500-1530 on 15120 KWT 250 kW / 046 deg to CeAs Uzbek Sun
1500-1530 on 15140 KWT 250 kW / 046 deg to CeAs Uzbek Mon
1500-1530 on 15255 KWT 250 kW / 046 deg to CeAs Uzbek Wed
1500-1530 on 15285 KWT 250 kW / 046 deg to CeAs Uzbek Thu
1500-1530 on 15290 KWT 250 kW / 046 deg to CeAs Uzbek Fri
1500-1530 on 17690 SMG 250 kW / 184 deg to WCAf Hausa
1500-1600 on 4930 BOT 100 kW / 020 deg to SoAf English
1500-1600 on 6080 SAO 100 kW / 138 deg to SoAf English
1500-1600 on 6140 UDO 250 kW / 284 deg to SoAs Learning English
1500-1600 on 7495 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
1500-1600 on 7540 PHT 250 kW / 270 deg to SoAs Learning English
1500-1600 on 7575 UDO 250 kW / 268 deg to SoAs English
1500-1600 on 9310 IRA 250 kW / 334 deg to WeAs Pashto Deewa Radio
1500-1600 on 9355 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
1500-1600 on 9400 PHT 250 kW / 349 deg to EaAs Learning English
1500-1600 on 12150 PHT 250 kW / 270 deg to SoAs English
1500-1600 on 13690 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
1500-1600 NF 15490 UDO 250 kW / 284 deg to SoAs English, ex 12120
1500-1600 on 15580 BOT 100 kW / 350 deg to CeAf English
1500-1600 on 17895 BOT 100 kW / 010 deg to CSAf English
1530-1630 on 9335 KWT 250 kW / 070 deg to WeAs Dari Radio Ashna
1530-1630 on 9790 KWT 250 kW / 080 deg to WeAs Dari Radio Ashna
1530-1630 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Ashna
1600-1630 on 12080 MEY 250 kW / 015 deg to SoAf Kirunda Sat
1600-1630 on 15460 SAO 100 kW / 100 deg to SoAf Kirunda Sat
1600-1630 on 17530 SAO 100 kW / 100 deg to SoAf Kirunda Sat
1600-1630 on 17860 GB 250 kW / 045 deg to WeEu Radiogram Sat
1600-1700 on 4930 BOT 100 kW / 020 deg to SoAf English
1600-1700 on 6080 SAO 100 kW / 138 deg to SoAf English
1600-1700 on 7475 UDO 250 kW / 300 deg to SoAs Bangla
1600-1700 on 7495 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
1600-1700 on 7545 PHT 250 kW / 332 deg to CeAs Tibetan
1600-1700 on 9310 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
1600-1700 on 9355 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
1600-1700 on 9565 UDO 250 kW / 304 deg to CeAs Tibetan
1600-1700 on 9965 PHT 250 kW / 315 deg to WeAs Pashto Deewa Radio
1600-1700 on 11790 UDO 250 kW / 300 deg to SoAs Bangla
1600-1700 on 11915 SAO 100 kW / 114 deg to CeAf Learning English
1600-1700 on 12055 SMG 250 kW / 130 deg to EaAf Somali

1600-1700 on 13570 BOT 100 kW / 350 deg to CeAf Learning English
 1600-1700 on 15580 BOT 100 kW / 350 deg to CeAf English
 1600-1700 on 15620 KWT 250 kW / 185 deg to EaAf Somali
 1600-1700 on 15630 BIB 100 kW / 085 deg to CeAs Tibetan Mon/Wed/Fri
 1600-1700 on 15640 BIB 100 kW / 085 deg to CeAs Tibetan Tue/Thu
 1600-1700 on 15760 BIB 100 kW / 085 deg to CeAs Tibetan Sat
 1600-1700 on 15780 BIB 100 kW / 085 deg to CeAs Tibetan Sun
 1600-1700 on 17895 IRA 250 kW / 275 deg to CSAf Learning English
 1630-1700 on 11655 ISS 250 kW / 150 deg to SDN English South Sudan Mon-Fri
 1630-1700 on 11835 SAO 100 kW / 100 deg to CeAf Swahili
 1630-1700 on 11905 NAU 250 kW / 150 deg to SDN English South Sudan Mon-Fri
 1630-1700 on 13630 IRA 250 kW / 255 deg to CSAf Portuguese Fri
 1630-1700 on 13870 ISS 250 kW / 150 deg to SDN English South Sudan Mon-Fri
 1630-1700 on 15720 GB 250 kW / 094 deg to CSAf Portuguese Fri
 1630-1700 on 15265 BOT 100 kW / 010 deg to CeAf Swahili
 1630-1700 on 15460 SAO 100 kW / 112 deg to CeAf Swahili
 1630-1730 on 9335 KWT 250 kW / 070 deg to WeAs Pashto Radio Ashna
 1630-1730 on 9790 PHT 250 kW / 283 deg to WeAs Pashto Radio Ashna
 1630-1730 on 11580 KWT 250 kW / 070 deg to WeAs Pashto Radio Ashna
 1700-1730 on 12055 SMG 250 kW / 130 deg to EaAf Somali
 1700-1730 on 13630 BOT 100 kW / 350 deg to CSAf Portuguese
 1700-1730 on 13680 KWT 250 kW / 185 deg to EaAf Somali
 1700-1730 on 15720 GB 250 kW / 094 deg to CSAf Portuguese
 1700-1730 on 17895 IRA 250 kW / 255 deg to CeAf English
 1700-1800 on 4930 BOT 100 kW / 020 deg to ZWE English/Shona/Ndebele
 1700-1800 on 5940 BOT 100 kW / 010 deg to ZWE English/Shona/Ndebele
 1700-1800 on 6080 SAO 100 kW / 330 deg to CeAf English
 1700-1800 on 7365 BIB 100 kW / 105 deg to WeAs Kurdish
 1700-1800 on 7495 IRA 250 kW / 340 deg to WeAs Pashto Deewa Radio
 1700-1800 on 9310 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
 1700-1800 on 9780 ISS 250 kW / 090 deg to WeAs Pashto Deewa Radio
 1700-1800 on 9850 BIB 100 kW / 105 deg to WeAs Kurdish
 1700-1800 on 9965 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
 1700-1800 on 11795 SMG 250 kW / 184 deg to WCAf English
 1700-1800 on 11985 IRA 250 kW / 315 deg to WeAs Kurdish
 1700-1800 on 15455 SAO 100 kW / 126 deg to ZWE English/Shona/Ndebele
 1700-1800 on 15580 BOT 100 kW / 350 deg to CeAf English
 1730-1800 on 7435 KWT 250 kW / 058 deg to CeAs Azeri
 1730-1800 on 9490 BIB 100 kW / 088 deg to CeAs Azeri
 1730-1800 on 11760 SMG 250 kW / 073 deg to CeAs Azeri
 1730-1800 on 11905 KWT 250 kW / 185 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 on 11925 LAM 100 kW / 132 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 on 12005 SAO 100 kW / 076 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 on 12055 SMG 250 kW / 130 deg to EaAf Somali
 1730-1800 on 12140 IRA 250 kW / 275 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 on 13630 BOT 100 kW / 350 deg to CSAf Portuguese
 1730-1800 on 13680 IRA 250 kW / 263 deg to EaAf Somali
 1730-1800 on 13870 UDO 250 kW / 276 deg to EaAf Afan Oromo Mon-Fri
 1730-1800 on 15720 GB 250 kW / 094 deg to CSAf Portuguese
 1730-1800 on 17895 GB 250 kW / 094 deg to CSAf English
 1800-1830 on 4930 BOT 100 kW / 020 deg to SoAf English Sat/Sun
 1800-1830 on 4930 BOT 100 kW / 020 deg to ZWE English/Shona/Ndebele Mon-Fri
 1800-1830 on 5940 SAO 100 kW / 126 deg to ZWE English/Shona/Ndebele
 1800-1830 on 6080 SAO 100 kW / 335 deg to WCAf English
 1800-1830 on 9645 NAU 250 kW / 160 deg to SDN Arabic Afia Darfur
 1800-1830 on 11615 SMG 250 kW / 146 deg to SDN Arabic Afia Darfur
 1800-1830 on 13630 BOT 100 kW / 350 deg to CSAf Portuguese Mon-Fri
 1800-1830 on 13715 SAO 100 kW / 052 deg to SDN Arabic Afia Darfur
 1800-1830 on 15720 IRA 250 kW / 255 deg to CSAf Portuguese Mon-Fri
 1800-1830 on 15455 IRA 250 kW / 251 deg to ZWE English/Shona/Ndebele
 1800-1830 on 15580 BOT 100 kW / 010 deg to CSAf English
 1800-1830 on 17895 GB 250 kW / 094 deg to CSAf English
 1800-1900 on 7495 IRA 250 kW / 340 deg to WeAs Pashto Deewa Radio
 1800-1900 on 9310 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio
 1800-1900 on 9780 UDO 250 kW / 300 deg to WeAs Pashto Deewa Radio

1800-1900 on 9965 UDO 250 kW / 311 deg to WeAs Pashto Deewa Radio
 1800-1900 on 11905 KWT 250 kW / 185 deg to EaAf Amharic
 1800-1900 on 11925 ISS 250 kW / 130 deg to EaAf Amharic
 1800-1900 on 12005 ISS 250 kW / 130 deg to EaAf Amharic
 1800-1900 on 12140 IRA 250 kW / 275 deg to EaAf Amharic
 1800-1900 on 13870 NAU 250 kW / 140 deg to EaAf Amharic
 1800-2000 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 1800-2000 on 13820 GB 250 kW / 174 deg to Cuba Spanish Radio Marti
 1830-1900 on 4930 BOT 100 kW / 020 deg to SoAf English
 1830-1900 on 5940 SAO 100 kW / 126 deg to ZWE English/Shona/Ndebele
 1830-1900 NF 11865 SAO 100 kW / 100 deg to SoAf Kinyarwanda
 1830-1900 NF 13660 BOT 100 kW / 010 deg to SoAf Kinyarwanda
 1830-1900 on 15455 IRA 250 kW / 251 deg to ZWE English/Shona/Ndebele
 1830-1900 on 15580 BOT 100 kW / 350 deg to CSAf English
 1830-1930 on 9815 IRA 250 kW / 271 deg to CeAf French
 1830-1930 on 17530 SAO 100 kW / 100 deg to CeAf French
 1900-1930 on 4930 BOT 100 kW / 020 deg to SoAf English
 1900-1930 on 9600 NAU 250 kW / 155 deg to SDN Arabic Afia Darfur
 1900-1930 on 9775 SMG 250 kW / 146 deg to SDN Arabic Afia Darfur
 1900-1930 on 9850 SMG 250 kW / 184 deg to CSAf English
 1900-1930 on 11830 KWT 250 kW / 235 deg to SDN Arabic Afia Darfur
 1900-1930 on 11905 DHA 250 kW / 225 deg to EaAf Tigrigna Mon-Fri
 1900-1930 on 11925 ISS 250 kW / 130 deg to EaAf Tigrigna Mon-Fri
 1900-1930 on 12005 BOT 100 kW / 010 deg to EaAf Tigrigna Mon-Fri
 1900-1930 on 12140 IRA 250 kW / 275 deg to EaAf Tigrigna Mon-Fri
 1900-1930 on 13870 NAU 250 kW / 140 deg to EaAf Tigrigna Mon-Fri
 1900-1930 on 15580 BOT 100 kW / 350 deg to CSAf English
 1900-2000 on 7485 IRA 250 kW / 344 deg to SoAs Learning English
 1900-2100 on 5900 PHT 250 kW / 021 deg to EaAs Korean
 1900-2100 on 7365 UDO 250 kW / 038 deg to EaAs Korean
 1900-2100 on 9490 UDO 250 kW / 038 deg to EaAs Korean
 1930-2000 on 9815 BOT 100 kW / 010 deg to CeAf French
 1930-2000 on 15670 GB 250 kW / 045 deg to WeEu Radiogram Sun
 1930-2000 on 17530 GB 250 kW / 094 deg to WeAf French
 1930-2030 on 4930 BOT 100 kW / 020 deg to SoAf English
 1930-2030 on 15580 BOT 100 kW / 350 deg to CSAf English
 2000-2030 on 6005 SAO 100 kW / 100 deg to CeAf French
 2000-2030 on 9815 BOT 100 kW / 010 deg to CeAf French
 2000-2030 on 11900 SAO 100 kW / 114 deg to WeAf French
 2000-2030 on 15730 GB 250 kW / 094 deg to WeAf French
 2000-2030 on 17530 GB 250 kW / 094 deg to WeAf French
 2000-2400 on 9565 GB 250 kW / 164 deg to Cuba Spanish Radio Marti
 2000-2400 on 11930 GB 250 kW / 184 deg to Cuba Spanish Radio Marti
 2030-2100 on 4930 BOT 100 kW / 020 deg to SoAf English
 2030-2100 on 4940 SAO 100 kW / 030 deg to WCAf Hausa Mon-Fri
 2030-2100 on 4940 SAO 100 kW / 030 deg to WCAf English Sat/Sun
 2030-2100 on 6035 SAO 100 kW / 000 deg to WCAf Hausa Mon-Fri
 2030-2100 on 6080 SAO 100 kW / 010 deg to CeAf English
 2030-2100 on 7325 SAO 100 kW / 335 deg to WCAf Hausa Mon-Fri
 2030-2100 on 9815 NAU 250 kW / 200 deg to WCAf Hausa Mon-Fri
 2030-2100 on 9885 SAO 100 kW / 335 deg to WCAf Hausa Sat
 2030-2100 on 9885 SAO 100 kW / 335 deg to WCAf French Sun
 2030-2100 on 11885 SAO 100 kW / 020 deg to WCAf Hausa Mon-Fri
 2030-2100 on 11900 IRA 250 kW / 255 deg to CeAf French Sat/Sun
 2030-2100 on 15185 BOT 100 kW / 350 deg to CeAf French Sat/Sun
 2030-2100 on 15580 BOT 100 kW / 350 deg to CeAf English
 2030-2100 on 15730 GB 250 kW / 094 deg to WeAf Hausa Sat
 2030-2100 on 15730 GB 250 kW / 094 deg to WeAf French Sun
 2100-2130 on 9690 SAO 100 kW / 010 deg to CeAf French
 2100-2130 on 9815 BOT 100 kW / 350 deg to CeAf French
 2100-2130 on 9885 SAO 100 kW / 335 deg to WCAf French
 2100-2130 on 11900 IRA 250 kW / 114 deg to WeAf French
 2100-2200 on 6080 SAO 100 kW / 010 deg to CeAf English
 2100-2200 on 15580 BOT 100 kW / 350 deg to CeAf English
 2130-2200 on 7310 SAO 100 kW / 335 deg to WeAf Bambara Mon-Fri

2130-2200 on 9620 SAO 100 kW / 335 deg to WeAf Bambara Mon-Fri
 2130-2200 on 12005 BOT 100 kW / 350 deg to WeAf Bambara Mon-Fri
 2130-2200 on 13670 GB 250 kW / 094 deg to WeAf Bambara Mon-Fri
 2200-2230 on 5905 PHT 250 kW / 270 deg to SEAs Khmer
 2200-2230 on 9320 PHT 250 kW / 270 deg to SEAs Khmer
 2200-2300 on 5895 IRA 250 kW / 065 deg to SEAs English Sun-Thu
 2200-2300 on 5915 UDO 250 kW / 018 deg to EaAs English Sun-Thu
 2200-2300 on 6135 UDO 250 kW / 030 deg to EaAs Chinese
 2200-2300 on 7480 KWT 250 kW / 058 deg to SoAs English Sun-Thu
 2200-2300 on 7575 PHT 250 kW / 270 deg to SEAs English Sun-Thu
 2200-2300 on 9845 PHT 250 kW / 349 deg to EaAs Chinese
 2200-2300 on 12150 TIN 250 kW / 313 deg to EaAs English Sun-Thu
 2230-2300 on 7460 PHT 250 kW / 270 deg to SEAs Learning English
 2230-2300 on 9570 UDO 250 kW / 018 deg to EaAs Learning English
 2230-2300 on 11840 PHT 250 kW / 349 deg to EaAs Learning English
 2300-2400 on 5895 PHT 250 kW / 275 deg to SEAs English
 2300-2400 on 6185 UDO 250 kW / 280 deg to SEAs Burmese
 2300-2400 on 7430 IRA 250 kW / 057 deg to SEAs Burmese
 2300-2400 on 7460 PHT 250 kW / 270 deg to SEAs Learning English
 2300-2400 on 7480 UDO 250 kW / 018 deg to EaAs English
 2300-2400 on 7575 PHT 250 kW / 270 deg to SEAs English
 2300-2400 on 9325 PHT 250 kW / 270 deg to SEAs Burmese
 2300-2400 on 9570 UDO 250 kW / 018 deg to EaAs Learning English
 2300-2400 on 11840 PHT 250 kW / 349 deg to EaAs Learning English
 2300-2400 on 12150 PHT 250 kW / 349 deg to EaAs English
 (DX MIX NEWS #794, August 13)

U.S.A. [FRANCE / GERMANY / KUWAIT / PHILIPPINES / SRI LANKA / THAILAND / U.K.] -

Summer A-13 of Radio Liberty / R. Farda / R. Free Afghanistan/R. Mashaal:

0000-0130 on 7585 IRA 250 kW / 310 deg to WeAs Persian Radio Farda
 0000-0200 on 5860 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 0030-0230 on 5940 BIB 100 kW / 105 deg to WeAs Persian Radio Farda
 0030-0400 on 7280 NAU 250 kW / 105 deg to WeAs Persian Radio Farda
 0130-0230 on 15690 IRA 250 kW / 310 deg to WeAs Persian Radio Farda
 0200-0430 on 5860 KWT 250 kW / 088 deg to WeAs Persian Radio Farda
 0230-0300 on 17670 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0230-0300 on 17690 UDO 250 kW / 300 deg to WeAs Pashto Radio Free Afghanistan
 0230-0330 on 13860 UDO 250 kW / 300 deg to WeAs Persian Radio Farda
 0230-0530 on 9760 LAM 100 kW / 104 deg to WeAs Persian Radio Farda
 0230-1030 on 15680 IRA 250 kW / 332 deg to WeAs Persian Radio Farda
 0230-1100 on 15690 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 0300-0330 on 17670 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 0300-0330 on 17690 IRA 250 kW / 332 deg to WeAs Dari Radio Free Afghanistan
 0300-0400 on 7435 LAM 100 kW / 055 deg to EaEu Russian
 0300-0400 on 7445 BIB 100 kW / 105 deg to CeAs Avari/Chechen/Chercassian
 0300-0400 on 9740 LAM 100 kW / 092 deg to CeAs Avari/Chechen/Chercassian
 0300-0400 on 11965 LAM 100 kW / 075 deg to EaEu Russian
 0300-0400 on 17770 PHT 250 kW / 021 deg to FERu Russian
 0330-0430 on 17670 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0330-0430 on 17690 IRA 250 kW / 332 deg to WeAs Pashto Radio Free Afghanistan
 0400-0500 on 6075 BIB 100 kW / 063 deg to EaEu Belarussian
 0400-0500 on 6105 LAM 100 kW / 055 deg to EaEu Belarussian
 0400-0500 on 7435 LAM 100 kW / 055 deg to EaEu Russian
 0400-0500 on 9480 LAM 100 kW / 055 deg to EaEu Russian
 0400-0500 on 11965 LAM 100 kW / 075 deg to EaEu Russian
 0400-0600 on 12130 KWT 250 kW / 078 deg to WeAs Pashto Radio Mashaal
 0400-0600 on 15560 NAU 250 kW / 090 deg to WeAs Pashto Radio Mashaal
 0400-0600 on 15740 UDO 250 kW / 300 deg to WeAs Pashto Radio Mashaal
 0400-0830 on 7220 KWT 250 kW / 058 deg to WeAs Persian Radio Farda
 0430-0530 on 17670 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 0430-0530 on 17690 IRA 250 kW / 332 deg to WeAs Dari Radio Free Afghanistan
 0430-0830 on 13860 LAM 100 kW / 092 deg to WeAs Persian Radio Farda
 0500-0600 on 9480 LAM 100 kW / 055 deg to EaEu Russian
 0500-0600 on 11850 LAM 100 kW / 055 deg to EaEu Russian
 0500-0600 on 17780 KWT 250 kW / 035 deg to FERu Russian

0530-0600 on 17670 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0530-0600 on 17690 UDO 250 kW / 300 deg to WeAs Pashto Radio Free Afghanistan
 0530-1000 on 17630 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 0600-0630 on 17670 IRA 250 kW / 340 deg to WeAs Pashto Radio Free Afghanistan
 0600-0630 on 17690 UDO 250 kW / 300 deg to WeAs Pashto Radio Free Afghanistan
 0600-0700 on 9480 LAM 100 kW / 055 deg to EaEu Russian
 0600-0700 on 11850 LAM 100 kW / 055 deg to EaEu Russian
 0600-0700 on 17780 KWT 250 kW / 035 deg to FERu Russian
 0600-0900 on 12130 KWT 250 kW / 078 deg to WeAs Pashto Radio Mashaal
 0600-0900 on 15360 NAU 250 kW / 090 deg to WeAs Pashto Radio Mashaal
 0600-0900 on 15740 UDO 250 kW / 300 deg to WeAs Pashto Radio Mashaal
 0630-0700 on 17670 IRA 250 kW / 340 deg to WeAs Dari Radio Free Afghanistan
 0630-0700 on 17690 UDO 250 kW / 300 deg to WeAs Dari Radio Free Afghanistan
 0700-0730 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 0700-0730 on 17690 UDO 250 kW / 300 deg to WeAs Dari Radio Free Afghanistan
 0730-0830 on 15090 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0730-0830 on 17690 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0800-1000 on 15130 BIB 100 kW / 065 deg to EaEu Russian
 0800-1000 on 17770 UDO 250 kW / 030 deg to FERu Russian
 0830-0930 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 0830-0930 on 17690 KWT 250 kW / 080 deg to WeAs Dari Radio Free Afghanistan
 0830-1030 on 17880 LAM 100 kW / 104 deg to WeAs Persian Radio Farda
 0830-1100 on 7435 KWT 250 kW / 058 deg to WeAs Persian Radio Farda, additional
 0900-1000 on 12130 KWT 250 kW / 078 deg to WeAs Pashto Radio Mashaal
 0900-1000 on 15360 KWT 250 kW / 070 deg to WeAs Pashto Radio Mashaal
 0900-1000 on 15740 UDO 250 kW / 300 deg to WeAs Pashto Radio Mashaal
 0930-1030 on 15090 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 0930-1030 on 17690 KWT 250 kW / 080 deg to WeAs Pashto Radio Free Afghanistan
 0930-1230 on 15680 UDO 250 kW / 300 deg to WeAs Persian Radio Farda
 1000-1100 on 12130 KWT 250 kW / 078 deg to WeAs Pashto Radio Mashaal
 1000-1100 on 15360 IRA 250 kW / 334 deg to WeAs Pashto Radio Mashaal
 1000-1100 on 15740 UDO 250 kW / 300 deg to WeAs Pashto Radio Mashaal
 1000-1100 on 17630 UDO 250 kW / 300 deg to WeAs Persian Radio Farda
 1030-1130 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 1030-1130 on 17690 KWT 250 kW / 080 deg to WeAs Dari Radio Free Afghanistan
 1030-1300 on 17880 IRA 250 kW / 300 deg to WeAs Persian Radio Farda
 1100-1200 on 12130 KWT 250 kW / 078 deg to WeAs Pashto Radio Mashaal
 1100-1200 on 15320 UDO 250 kW / 304 deg to WeAs Pashto Radio Mashaal
 1100-1200 on 15360 IRA 250 kW / 334 deg to WeAs Pashto Radio Mashaal
 1100-1200 on 15690 IRA 250 kW / 332 deg to WeAs Persian Radio Farda
 1100-1400 on 7435 KWT 250 kW / 058 deg to WeAs Persian Radio Farda
 1100-1700 on 12005 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 1130-1230 on 15090 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 1130-1230 on 17690 KWT 250 kW / 080 deg to WeAs Pashto Radio Free Afghanistan
 1200-1300 on 12130 IRA 250 kW / 340 deg to WeAs Pashto Radio Mashaal
 1200-1300 on 13745 LAM 100 kW / 055 deg to EaEu Russian
 1200-1300 on 15285 LAM 100 kW / 077 deg to EaEu Russian
 1200-1300 on 15320 UDO 250 kW / 304 deg to WeAs Pashto Radio Mashaal
 1200-1300 on 15360 IRA 250 kW / 334 deg to WeAs Pashto Radio Mashaal
 1200-1300 on 17770 UDO 250 kW / 351 deg to FERu Russian
 1200-1400 on 15690 BIB 100 kW / 085 deg to WeAs Persian Radio Farda
 1230-1330 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 1230-1330 on 17690 KWT 250 kW / 080 deg to WeAs Dari Radio Free Afghanistan
 1230-1430 on 15680 LAM 100 kW / 104 deg to WeAs Persian Radio Farda
 1300-1400 on 13745 WOF 300 kW / 075 deg to EaEu Russian
 1300-1400 on 15285 LAM 100 kW / 077 deg to EaEu Russian
 1300-1400 on 15460 LAM 100 kW / 053 deg to EaEu Russian
 1330-1400 on 15090 KWT 250 kW / 070 deg to WeAs Pashto Radio Free Afghanistan
 1330-1400 on 17690 KWT 250 kW / 080 deg to WeAs Pashto Radio Free Afghanistan
 1400-1430 on 15090 KWT 250 kW / 070 deg to WeAs Dari Radio Free Afghanistan
 1400-1430 on 17690 KWT 250 kW / 080 deg to WeAs Dari Radio Free Afghanistan
 1400-1500 on 9595 IRA 250 kW / 340 deg to CeAs Tajik
 1400-1500 on 11825 BIB 100 kW / 088 deg to CeAs Turkmen
 1400-1500 on 11975 KWT 250 kW / 078 deg to CeAs Tajik
 1400-1500 on 12025 LAM 100 kW / 055 deg to EaEu Russian

1400-1500 on 13615 KWT 250 kW / 046 deg to CeAs Uzbek
 1400-1500 on 13745 WOF 300 kW / 075 deg to EaEu Russian
 1400-1500 on 15180 ISS 250 kW / 090 deg to CeAs Turkmen
 1400-1500 on 15460 LAM 100 kW / 053 deg to EaEu Russian
 1400-1500 on 15480 LAM 100 kW / 077 deg to CeAs Uzbek
 1400-1600 on 15470 BIB 100 kW / 085 deg to WeAs Persian Radio Farda
 1400-1800 on 11540 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 1500-1600 on 6105 LAM 100 kW / 055 deg to EaEu Belarussian
 1500-1600 on 9520 BIB 100 kW / 063 deg to EaEu Russian
 1500-1600 on 11780 UDO 250 kW / 308 deg to CeAs Turkmen
 1500-1600 on 11900 LAM 100 kW / 075 deg to CeAs Avari/Chechen/Chercassian
 1500-1600 on 11975 BIB 100 kW / 085 deg to CeAs Tajik
 1500-1600 on 13615 NAU 250 kW / 090 deg to CeAs Avari/Chechen/Chercassian
 1500-1600 on 13745 LAM 100 kW / 068 deg to EaEu Russian
 1500-1600 on 15180 LAM 100 kW / 077 deg to CeAs Turkmen
 1500-1600 on 15460 LAM 100 kW / 053 deg to EaEu Russian
 1500-1600 on 15630 ISS 250 kW / 090 deg to CeAs Tajik
 1500-1700 on 7270 BIB 100 kW / 063 deg to EaEu Belarussian
 1530-1730 on 9390 UDO 250 kW / 300 deg to WeAs Persian Radio Farda
 1600-1700 on 5995 NAU 250 kW / 060 deg to EaEu Russian
 1600-1700 on 6105 NAU 250 kW / 060 deg to EaEu Belarussian
 1600-1700 on 7555 UDO 250 kW / 313 deg to CeAs Uzbek
 1600-1700 on 9760 KWT 250 kW / 078 deg to CeAs Tajik
 1600-1700 on 9840 LAM 100 kW / 075 deg to CeAs Russian
 1600-1700 on 11780 KWT 250 kW / 046 deg to CeAs Uzbek
 1600-1700 on 11845 BIB 100 kW / 063 deg to EaEu Russian
 1600-1700 on 11975 BIB 100 kW / 075 deg to CeAs Tajik
 1600-1700 on 15470 NAU 250 kW / 105 deg to WeAs Persian Radio Farda
 1700-1800 on 5930 NAU 250 kW / 090 deg to EaEu Belarussian
 1700-1800 on 5995 BIB 100 kW / 063 deg to EaEu Russian
 1700-1800 on 6105 LAM 100 kW / 055 deg to EaEu Belarussian
 1700-1800 on 9840 LAM 100 kW / 075 deg to CeAs Russian
 1700-1800 on 11805 BIB 100 kW / 063 deg to CeAs Russian Caucasus Echo
 1700-1800 on 11845 BIB 100 kW / 063 deg to EaEu Russian
 1700-1800 on 15530 LAM 100 kW / 077 deg to CeAs Russian Caucasus Echo
 1700-2400 on 7585 IRA 250 kW / 310 deg to WeAs Persian Radio Farda
 1730-2230 on 5860 KWT 250 kW / 088 deg to WeAs Persian Radio Farda
 1800-1900 on 5995 BIB 100 kW / 063 deg to EaEu Russian
 1800-1900 on 9840 LAM 100 kW / 075 deg to CeAs Russian
 1800-1900 on 11760 LAM 100 kW / 055 deg to EaEu Russian
 1900-2000 on 5995 BIB 100 kW / 063 deg to EaEu Russian
 1900-2000 on 7475 UDO 250 kW / 335 deg to EaEu Russian
 1900-2000 on 9840 LAM 100 kW / 075 deg to CeAs Russian
 2000-2100 on 5995 BIB 100 kW / 063 deg to EaEu Russian
 2230-2400 on 5860 IRA 250 kW / 315 deg to WeAs Persian Radio Farda
 (DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews Aug 5)

U.S.A. [KUWAIT / LITHUANIA / MONGOLIA / RUSSIA / SAIPAN-MRA / SRI LANKA / TAJIKISTAN / TINIAN-MRA / UAE] -

Summer A-13 SW schedule of Radio Free Asia:

0000-0030 7370 KWT 250 kW 078 deg to SEAs Vietnamese
 0000-0030 13730 SAI 100 kW 285 deg to SEAs Vietnamese
 0000-0030 15620 TIN 250 kW 279 deg to SEAs Vietnamese Mon
 0000-0030 15630 TIN 250 kW 279 deg to SEAs Vietnamese Tue
 0000-0030 15640 TIN 250 kW 279 deg to SEAs Vietnamese Wed
 0000-0030 15660 TIN 250 kW 279 deg to SEAs Vietnamese Thu
 0000-0030 15675 TIN 250 kW 279 deg to SEAs Vietnamese Fri
 0000-0030 15705 TIN 250 kW 279 deg to SEAs Vietnamese Sat
 0000-0030 15710 TIN 250 kW 279 deg to SEAs Vietnamese Sun
 0000-0100 15690 TIN 250 kW 289 deg to SEAs Lao
 0030-0130 9510 CLN-Ira 250 kW 057 deg to SEAs Burmese
 0030-0130 12115 KWT 250 kW 070 deg to SEAs Burmese
 0030-0130 15700 TIN 250 kW 280 deg to SEAs Burmese

0100-0200	9350	Du	200	kW	060	deg	to	CAs	Uyghur
0100-0200	9400	SIT	100	kW	079	deg	to	CAs	Uyghur
0100-0200	9680	KWT	250	kW	078	deg	to	CAs	Tibetan
0100-0200	9885	Du	250	kW	110	deg	to	CAs	Tibetan
0100-0200	11640	UAE	250	kW	045	deg	to	CAs	Uyghur
0100-0200	11695	UAE	250	kW	075	deg	to	CAs	Tibetan
0100-0200	11945	UAE	250	kW	050	deg	to	CAs	Uyghur
0100-0200	17505	TIN	250	kW	295	deg	to	CAs	Tibetan Mon
0100-0200	17510	TIN	250	kW	295	deg	to	CAs	Tibetan Fri
0100-0200	17515	TIN	250	kW	295	deg	to	CAs	Tibetan Tue
0100-0200	17520	TIN	250	kW	295	deg	to	CAs	Tibetan Sat
0100-0200	17525	TIN	250	kW	295	deg	to	CAs	Tibetan Wed
0100-0200	17530	TIN	250	kW	295	deg	to	CAs	Tibetan Sun
0100-0200	17535	TIN	250	kW	295	deg	to	CAs	Tibetan Thu
0100-0200	17730	UZB	250	kW	230	deg	to	CAs	Tibetan
0100-0200	17665	TIN	250	kW	313	deg	to	CAs	Uyghur Sun
0100-0200	17670	TIN	250	kW	313	deg	to	CAs	Uyghur Sat
0100-0200	17700	TIN	250	kW	313	deg	to	CAs	Uyghur Tue/Thu
0100-0200	17760	TIN	250	kW	313	deg	to	CAs	Uyghur Mon/Wed/Fri
0200-0300	9885	Du	250	kW	110	deg	to	CAs	Tibetan
0200-0300	11695	UAE	250	kW	075	deg	to	CAs	Tibetan
0200-0300	11745	KWT	250	kW	078	deg	to	CAs	Tibetan
0200-0300	17730	UZB	250	kW	230	deg	to	CAs	Tibetan
0200-0300	21520	TIN	250	kW	295	deg	to	CAs	Tibetan Wed
0200-0300	21530	TIN	250	kW	295	deg	to	CAs	Tibetan Thu
0200-0300	21540	TIN	250	kW	295	deg	to	CAs	Tibetan Fri
0200-0300	21550	TIN	250	kW	295	deg	to	CAs	Tibetan Sat
0200-0300	21560	TIN	250	kW	295	deg	to	CAs	Tibetan Sun
0200-0300	21570	TIN	250	kW	295	deg	to	CAs	Tibetan Mon
0200-0300	21580	TIN	250	kW	295	deg	to	CAs	Tibetan Tue
0300-0400	13710	SAI	100	kW	300	deg	to	EAs	Chinese
0300-0400	17490	TIN	250	kW	279	deg	to	EAs	Chinese Mon
0300-0400	17495	TIN	250	kW	279	deg	to	EAs	Chinese Fri
0300-0400	17500	TIN	250	kW	279	deg	to	EAs	Chinese Tue
0300-0400	17520	TIN	250	kW	279	deg	to	EAs	Chinese Wed
0300-0400	17525	TIN	250	kW	279	deg	to	EAs	Chinese Sat
0300-0400	17530	TIN	250	kW	279	deg	to	EAs	Chinese Thu
0300-0400	17615	TIN	250	kW	295	deg	to	EAs	Chinese
0300-0400	17655	TIN	250	kW	279	deg	to	EAs	Chinese Sun
0300-0400	17855	SAI	100	kW	310	deg	to	EAs	Chinese
0400-0500	13790	SAI	100	kW	300	deg	to	EAs	Chinese
0400-0500	15615	TIN	250	kW	295	deg	to	EAs	Chinese
0400-0500	17855	SAI	100	kW	310	deg	to	EAs	Chinese
0400-0500	21455	TIN	250	kW	313	deg	to	EAs	Chinese Mon
0400-0500	21465	TIN	250	kW	313	deg	to	EAs	Chinese Wed
0400-0500	21475	TIN	250	kW	313	deg	to	EAs	Chinese Tue
0400-0500	21485	TIN	250	kW	313	deg	to	EAs	Chinese Thu
0400-0500	21495	TIN	250	kW	313	deg	to	EAs	Chinese Sat
0400-0500	21505	TIN	250	kW	313	deg	to	EAs	Chinese Fri
0400-0500	21520	TIN	250	kW	313	deg	to	EAs	Chinese Sun
0500-0600	13790	SAI	100	kW	300	deg	to	EAs	Chinese
0500-0600	15615	TIN	250	kW	295	deg	to	EAs	Chinese
0500-0600	17855	SAI	100	kW	310	deg	to	EAs	Chinese
0500-0600	21650	TIN	250	kW	313	deg	to	EAs	Chinese Mon
0500-0600	21660	TIN	250	kW	313	deg	to	EAs	Chinese Tue
0500-0600	21670	TIN	250	kW	313	deg	to	EAs	Chinese Wed
0500-0600	21680	TIN	250	kW	313	deg	to	EAs	Chinese Thu
0500-0600	21690	TIN	250	kW	313	deg	to	EAs	Chinese Fri
0500-0600	21700	TIN	250	kW	313	deg	to	EAs	Chinese Sat
0500-0600	21710	TIN	250	kW	313	deg	to	EAs	Chinese Sun
0600-0700	13790	SAI	100	kW	300	deg	to	EAs	Chinese
0600-0700	15615	TIN	250	kW	295	deg	to	EAs	Chinese
0600-0700	17495	TIN	250	kW	279	deg	to	EAs	Chinese
0600-0700	17510	Du	200	kW	117	deg	to	CAs	Tibetan
0600-0700	17765	KWT	250	kW	070	deg	to	CAs	Tibetan

0600-0700	17790	SAI	100	kW	310	deg	to	EAs	Chinese	Mon/Wed/Fri
0600-0700	17795	SAI	100	kW	310	deg	to	EAs	Chinese	Sat
0600-0700	17805	SAI	100	kW	310	deg	to	EAs	Chinese	Tue/Thu
0600-0700	17810	SAI	100	kW	310	deg	to	EAs	Chinese	Sun
0600-0700	21500	TIN	250	kW	297	deg	to	CAs	Tibetan	Mon
0600-0700	21515	TIN	250	kW	297	deg	to	CAs	Tibetan	Tue
0600-0700	21530	TIN	250	kW	297	deg	to	CAs	Tibetan	Wed
0600-0700	21540	TIN	250	kW	297	deg	to	CAs	Tibetan	Thu
0600-0700	21550	TIN	250	kW	297	deg	to	CAs	Tibetan	Fri
0600-0700	21565	TIN	250	kW	297	deg	to	CAs	Tibetan	Sat
0600-0700	21575	TIN	250	kW	297	deg	to	CAs	Tibetan	Sun
0600-0700	21690	UAE	250	kW	075	deg	to	CAs	Tibetan	
1000-1100	13680	KWT	250	kW	078	deg	to	CAs	Tibetan	
1000-1100	15320	TIN	250	kW	297	deg	to	CAs	Tibetan	Mon
1000-1100	15330	TIN	250	kW	297	deg	to	CAs	Tibetan	Tue
1000-1100	15340	TIN	250	kW	297	deg	to	CAs	Tibetan	Wed
1000-1100	15600	TIN	250	kW	297	deg	to	CAs	Tibetan	Thu/Sun
1000-1100	15620	TIN	250	kW	297	deg	to	CAs	Tibetan	Fri
1000-1100	15650	TIN	250	kW	297	deg	to	CAs	Tibetan	Sat
1000-1100	17495	TIN	250	kW	295	deg	to	CAs	Tibetan	
1100-1200	7470	UZB	250	kW	230	deg	to	CAs	Tibetan	
1100-1200	9325	SAI	100	kW	285	deg	to	SEAs	Lao	
1100-1200	13830	Du	200	kW	125	deg	to	CAs	Tibetan	
1100-1200	15120	TIN	250	kW	279	deg	to	SEAs	Lao	
1100-1200	15195	UAE	250	kW	075	deg	to	CAs	Tibetan	
1100-1200	17495	KWT	250	kW	078	deg	to	CAs	Tibetan	
1200-1400	7470	UZB	250	kW	230	deg	to	CAs	Tibetan	
1200-1400	11605	TIN	250	kW	295	deg	to	CAs	Tibetan	
1200-1400	13795	KWT	250	kW	078	deg	to	CAs	Tibetan	
1200-1400	13830	Du	200	kW	125	deg	to	CAs	Tibetan	
1200-1400	15195	Du	250	kW	110	deg	to	CAs	Tibetan	
1230-1330	7390	CLN-Ira	250	kW	057	deg	to	SEAs	Burmese	
1230-1330	9335	TIN	250	kW	279	deg	to	SEAs	Burmese	
1230-1330	12140	SAI	100	kW	270	deg	to	SEAs	Khmer	
1230-1330	13675	TIN	250	kW	279	deg	to	SEAs	Burmese	
1330-1400	7390	TIN	250	kW	280	deg	to	SEAs	Burmese	
1330-1400	9335	CLN-Ira	250	kW	279	deg	to	SEAs	Burmese	
1330-1400	12140	SAI	100	kW	270	deg	to	SEAs	Burmese	
1400-1430	7390	TIN	250	kW	280	deg	to	SEAs	Burmese	
1400-1430	9335	CLN-Ira	250	kW	279	deg	to	SEAs	Burmese	
1400-1500	9720	TIN	250	kW	270	deg	to	SEAs	Vietnamese	
1400-1500	11520	TIN	250	kW	287	deg	to	EAs	Cantonese	Thu
1400-1500	11590	TIN	250	kW	287	deg	to	EAs	Cantonese	Fri/Sun
1400-1500	11715	TIN	250	kW	287	deg	to	EAs	Cantonese	Wed
1400-1500	12095	TIN	250	kW	287	deg	to	EAs	Cantonese	Mon/Sat
1400-1500	12130	TIN	250	kW	289	deg	to	SEAs	Vietnamese	
1400-1500	12140	TIN	250	kW	287	deg	to	EAs	Cantonese	Tue
1400-1500	13785	SAI	100	kW	285	deg	to	SEAs	Vietnamese	Sat/Sun
1400-1500	13790	SAI	100	kW	285	deg	to	SEAs	Vietnamese	Tue/Thu
1400-1500	13825	SAI	100	kW	285	deg	to	SEAs	Vietnamese	Mon/Wed/Fri
1500-1600	9370	Du	200	kW	125	deg	to	CAs	Tibetan	
1500-1600	9455	SAI	100	kW	300	deg	to	EAs	Chinese	
1500-1600	11580	TIN	250	kW	295	deg	to	CAs	Tibetan	
1500-1600	11795	UAE	250	kW	075	deg	to	CAs	Tibetan	
1500-1600	11870	KWT	250	kW	078	deg	to	CAs	Tibetan	
1500-1600	13675	Du	250	kW	095	deg	to	EAs	Chinese	
1500-1600	13790	TIN	250	kW	303	deg	to	EAs	Chinese	Mon/Wed/Fri
1500-1600	13815	TIN	250	kW	303	deg	to	EAs	Chinese	Sun
1500-1600	13820	TIN	250	kW	303	deg	to	EAs	Chinese	Tue/Thu
1500-1600	13855	TIN	250	kW	303	deg	to	EAs	Chinese	Sat
1500-1600	15430	SAI	100	kW	325	deg	to	EAs	Chinese	
1500-1700	5830	TIN	250	kW	325	deg	to	EAs	Korean	
1500-1700	7210	IRK	250	kW	125	deg	to	EAs	Korean	
1500-1700	7455	TIN	250	kW	329	deg	to	EAs	Korean	
1600-1630	9455	SAI	100	kW	300	deg	to	EAs	Chinese	

1600-1630	13675	Du	250	kW	095	deg	to	EAs	Chinese	
1600-1630	15340	SAI	100	kW	325	deg	to	EAs	Chinese	Tue
1600-1630	15380	SAI	100	kW	325	deg	to	EAs	Chinese	Mon
1600-1630	15385	SAI	100	kW	325	deg	to	EAs	Chinese	Wed
1600-1630	15390	SAI	100	kW	325	deg	to	EAs	Chinese	Fri
1600-1630	15395	SAI	100	kW	325	deg	to	EAs	Chinese	Sun
1600-1630	15405	SAI	100	kW	325	deg	to	EAs	Chinese	Thu
1600-1630	15410	SAI	100	kW	325	deg	to	EAs	Chinese	Sat
1600-1700	9370	Du	200	kW	060	deg	to	CAs	Uyghur	
1600-1700	9555	UAE	250	kW	045	deg	to	CAs	Uyghur	
1600-1700	9975	TIN	250	kW	304	deg	to	CAs	Uyghur	
1600-1700	12130	TIN	250	kW	303	deg	to	CAs	Uyghur	Mon/Wed/Fri
1600-1700	12140	TIN	250	kW	303	deg	to	CAs	Uyghur	Tue/Thu
1600-1700	12150	TIN	250	kW	303	deg	to	CAs	Uyghur	Sat/Sun
1630-1700	9725	SAI	100	kW	300	deg	to	EAs	Chinese	
1630-1700	11550	TIN	250	kW	295	deg	to	EAs	Chinese	
1630-1700	13675	Du	250	kW	095	deg	to	EAs	Chinese	
1630-1700	15340	SAI	100	kW	325	deg	to	EAs	Chinese	Tue
1630-1700	15380	SAI	100	kW	325	deg	to	EAs	Chinese	Mon
1630-1700	15385	SAI	100	kW	325	deg	to	EAs	Chinese	Wed
1630-1700	15390	SAI	100	kW	325	deg	to	EAs	Chinese	Fri
1630-1700	15395	SAI	100	kW	325	deg	to	EAs	Chinese	Sun
1630-1700	15405	SAI	100	kW	325	deg	to	EAs	Chinese	Thu
1630-1700	15410	SAI	100	kW	325	deg	to	EAs	Chinese	Sat
1630-1730	9940	TIN	250	kW	057	deg	to	SEAs	Burmese	
1700-1800	5820	TIN	250	kW	325	deg	to	EAs	Korean	
1700-1800	5890	TIN	250	kW	329	deg	to	EAs	Chinese	
1700-1800	7445	TIN	250	kW	321	deg	to	EAs	Chinese	
1700-1800	9355	SAI	100	kW	300	deg	to	EAs	Chinese	
1700-1800	9745	SAI	100	kW	325	deg	to	EAs	Chinese	
1700-1800	9975	TIN	250	kW	304	deg	to	EAs	Korean	
1800-1900	5820	TIN	250	kW	325	deg	to	EAs	Korean	
1800-1900	5890	TIN	250	kW	329	deg	to	EAs	Chinese	
1800-1900	7465	TIN	250	kW	329	deg	to	EAs	Korean	
1800-1900	9355	SAI	100	kW	300	deg	to	EAs	Chinese	
1800-1900	9745	SAI	100	kW	325	deg	to	EAs	Chinese	
1800-1900	11555	SAI	100	kW	325	deg	to	EAs	Chinese	Mon/Wed/Fri
1800-1900	11590	SAI	100	kW	325	deg	to	EAs	Chinese	Tue/Thu
1800-1900	11600	SAI	100	kW	325	deg	to	EAs	Chinese	Sat
1800-1900	11605	SAI	100	kW	325	deg	to	EAs	Chinese	Sun
1900-2000	5890	TIN	250	kW	305	deg	to	EAs	Chinese	
1900-2000	7260	TIN	250	kW	313	deg	to	EAs	Chinese	
1900-2000	9355	SAI	100	kW	300	deg	to	EAs	Chinese	
1900-2000	9745	SAI	100	kW	325	deg	to	EAs	Chinese	Sat
1900-2000	9775	SAI	100	kW	325	deg	to	EAs	Chinese	Mon/Wed/Fri
1900-2000	9780	SAI	100	kW	325	deg	to	EAs	Chinese	Tue/Thu
1900-2000	9825	SAI	100	kW	325	deg	to	EAs	Chinese	Sun
2000-2100	5890	TIN	250	kW	305	deg	to	EAs	Chinese	
2000-2100	6140	TIN	250	kW	304	deg	to	EAs	Chinese	
2000-2100	7260	TIN	250	kW	313	deg	to	EAs	Chinese	
2000-2100	7435	Du	250	kW	095	deg	to	EAs	Chinese	
2000-2100	9355	SAI	100	kW	300	deg	to	EAs	Chinese	
2000-2100	9745	SAI	100	kW	325	deg	to	EAs	Chinese	
2100-2200	5890	TIN	250	kW	305	deg	to	EAs	Chinese	
2100-2200	6140	TIN	250	kW	304	deg	to	EAs	Chinese	
2100-2200	7435	Du	250	kW	095	deg	to	EAs	Chinese	
2100-2200	7460	UZB	100	kW	128	deg	to	EAs	Korean	
2100-2200	9455	TIN	250	kW	303	deg	to	EAs	Chinese	
2100-2200	9610	TIN	250	kW	329	deg	to	EAs	Korean	
2100-2200	11945	SAI	100	kW	325	deg	to	EAs	Korean	
2200-2300	7505	Du	250	kW	110	deg	to	CAs	Tibetan	
2200-2300	9345	SAI	100	kW	325	deg	to	CAs	Tibetan	Sun
2200-2300	9360	SAI	100	kW	325	deg	to	CAs	Tibetan	Sat
2200-2300	9370	SAI	100	kW	325	deg	to	CAs	Tibetan	Fri
2200-2300	9510	SAI	100	kW	325	deg	to	CAs	Tibetan	Thu

2200-2300	9625	SAI	100	kW	325	deg	to	CAs	Tibetan	Wed
2200-2300	9720	SAI	100	kW	325	deg	to	CAs	Tibetan	Tue
2200-2300	9735	SAI	100	kW	325	deg	to	CAs	Tibetan	Mon
2200-2300	9815	KWT	250	kW	080	deg	to	CAs	Tibetan	
2200-2300	15110	TIN	250	kW	280	deg	to	EAs	Cantonese	Thu
2200-2300	15120	TIN	250	kW	280	deg	to	EAs	Cantonese	Fri
2200-2300	15130	TIN	250	kW	280	deg	to	EAs	Cantonese	Sat
2200-2300	15140	TIN	250	kW	280	deg	to	EAs	Cantonese	Sun
2200-2300	15150	TIN	250	kW	280	deg	to	EAs	Cantonese	Mon
2200-2300	15160	TIN	250	kW	280	deg	to	EAs	Cantonese	Tue
2200-2300	15170	TIN	250	kW	280	deg	to	EAs	Cantonese	Wed
2230-2330	13740	SAI	100	kW	270	deg	to	SEAs	Khmer	
2300-2315	6075	KWT	250	kW	070	deg	to	CAs	Tibetan	
2300-2315	9805	UAE	250	kW	075	deg	to	CAs	Tibetan	
2300-2315	9815	KWT	250	kW	080	deg	to	CAs	Tibetan	
2300-2315	9875	Du	250	kW	110	deg	to	CAs	Tibetan	
2300-2400	9440	SAI	100	kW	310	deg	to	EAs	Chinese	
2300-2400	11785	TIN	250	kW	319	deg	to	EAs	Chinese	
2300-2400	15535	TIN	250	kW	321	deg	to	EAs	Chinese	Mon
2300-2400	15545	TIN	250	kW	321	deg	to	EAs	Chinese	Wed
2300-2400	15555	TIN	250	kW	321	deg	to	EAs	Chinese	Tue
2300-2400	15570	TIN	250	kW	321	deg	to	EAs	Chinese	Fri
2300-2400	15580	TIN	250	kW	321	deg	to	EAs	Chinese	Sat
2300-2400	15590	TIN	250	kW	321	deg	to	EAs	Chinese	Thu
2300-2400	15610	TIN	250	kW	321	deg	to	EAs	Chinese	Sun
2315-2400	6075	KWT	250	kW	070	deg	to	CAs	Tibetan	
2315-2400	9805	UAE	250	kW	075	deg	to	CAs	Tibetan	
2315-2400	9875	Du	250	kW	110	deg	to	CAs	Tibetan	
2315-2400	9335	KWT	250	kW	080	deg	to	CAs	Tibetan	Mon/Wed/Fri
2315-2400	9355	KWT	250	kW	080	deg	to	CAs	Tibetan	Tue/Thu
2315-2400	9930	KWT	250	kW	080	deg	to	CAs	Tibetan	Sun
2315-2400	9945	KWT	250	kW	080	deg	to	CAs	Tibetan	Sat
2330-2400	7370	KWT	250	kW	078	deg	to	SEAs	Vietnamese	
2330-2400	13730	TIN	250	kW	280	deg	to	SEAs	Vietnamese	
2330-2400	15620	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Mon
2330-2400	15630	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Tue
2330-2400	15640	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Wed
2330-2400	15660	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Thu
2330-2400	15675	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Fri
2330-2400	15705	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Sat
2330-2400	15710	TIN	250	kW	279	deg	to	SEAs	Vietnamese	Sun

(DX MIX News, Ivo Ivanov-BUL, via wwdxc BC-DX TopNews Aug 5)

UZBEKISTAN - Tashkent Telecom A-13 schedule.

6240	1600-1800	44		100	76	0	902	kor	WRN	WRN	reserve
6245	1500-1600	44		100	76	0	902	kor	WRN	WRN	reserve
6260	0000-0400	41N		100	153	0	902	Hin	CVC	CVI	
6260	1400-2000	41N		100	153	0	902	Hin	CVC	CVI	
7470	2200-2300	44		100	110	0	238	kor	WRN	WRN	reserve
7505	1600-1730	44		100	76	0	902	kor	WRN	WRN	reserve
7515	1600-1730	44		100	71	14	618	kor	WRN	WRN	
7530	1400-1500	40, 41		100	163	0	156		NEW	RAM	
7555	1400-1600	44		100	70	14	238	kor	WRN	WRN	
7590	1400-1600	44		100	71	14	618	kor	WRN	WRN	
9300	1430-1630	44		100	76	0	902	kor	WRN	WRN	
9365	1300-1400	49		100	131	0	218		NEW	RAM	
9365	1400-1500	49		100	131	0	218		NEW	RAM	
9380	1200-1400	44		100	163	0	902	tam	WRN	WRN	
9380	1400-1600	44		100	76	0	902	kor	WRN	WRN	
9390	0000-0030	41NE		100	131	0	218	Bangla	FEB	BAB	BS62
9390	1500-1530	41NE		100	131	0	218	Bangla	FEB	BAB	BS83
9395	1400-1430	41N, 42SW		100	131	0	158	Hindi	BBC	BAB	HINDA
9395	1400-1500	41		200	131	0	218		NEW	RAM	
9420	0100-0130	41		100	163	0	206	Hin	NHK	NHK	
9500	1430-1500	41N		100	131	0	218	Hindi	FEB	BAB	BS42

9580	0025-0040	40,41	100	163	0	156		VAT	RAM	
9580	0040-0200	41	100	131	0	158		VAT	RAM	
9660	1100-1400	41N	100	153	0	902	Hin	CVC	CVI	
9900	1100-1230	54	100	131	0	618	eng	WRN	WRN	
9975	0100-0400	41N	100	186	0	880	Hin	CVC	CVI	
11530	1500-1700	40,41	100	163	0	156		NEW	RAM	
11540	1200-1300	44	100	71	14	618	kor	WRN	WRN	
11540	1300-1400	44	100	71	14	618	kor	WRN	WRN	
11550	1430-1600	44	100	71	14	618	kor	WRN	WRN	
11570	1230-1430	44	100	76	0	902	kor	WRN	WRN	
11570	1430-1630	44	100	76	0	902	kor	WRN	WRN	
11585	1225-1300	31,32	100	56	0	156		VAT	RAM	
11590	0100-0130	41	100	163	0	206	Hin	NHK	NHK	
11600	0030-0130	41	100	131	0	156		NEW	RAM	
11600	0900-1200	54	200	131	0	618	eng	WRN	WRN	reserve
11710	0230-0315	40	100	236	0	158	Farsi	BAB	BAB	
11730	0040-0100	41,42S,43SW	100	141	10	218	Hin	VAT	VAT	Hindi
11730	0100-0120	41,42S,43SW	100	141	10	218	Tam	VAT	VAT	Tamil
11730	0120-0140	41,42S,43SW	100	141	10	218	Mal	VAT	VAT	Malaya1
11730	0140-0200	41,42S,43SW	100	141	10	218	Eng	VAT	VAT	English
11730	0400-0430	40	100	236	0	157	Fas	NHK	NHK	
11850	1225-1300	31,32	100	56	0	156		VAT	RAM	
11850	1230-1300	31,32,33W	100	56	0	156	Rus	VAT	VAT	Russian
11850	1415-1430	40E,41NW	100	177	0	875	Urd	VAT	VAT	Su/Wed
11850	1415-1600	41NE	100	131	0	156		VAT	RAM	
11850	1430-1450	41,42S,43SW	100	131	0	157	Hin	VAT	VAT	Hindi
11850	1450-1510	41,42S,43SW	100	131	0	157	Tam	VAT	VAT	Tamil
11850	1510-1530	41,42S,43SW	100	131	0	157	Mal	VAT	VAT	Malaya1
11850	1530-1600	41,42S,43SW	100	131	0	157	Eng	VAT	VAT	English
11930	1315-1615	41	100	131	10	156		TWR	RAM	
11965	0030-0130	41	100	131	10	156		TWR	RAM	
12130	1300-1400	41	100	131	0	156		NEW	RAM	
12130	1500-1600	40,41NW	100	163	0	156		NEW	RAM	
12140	1500-1615	41	100	131	10	156		NEW	RAM	
12160	1315-1615	41	100	131	10	156		NEW	RAM	
13630	0400-1100	41N	100	153	0	902	Hin	CVC	CVI	
13825	0230-0330	40	100	236	0	158	Farsi	BBC	BAB	FARSA
15310	0330-0430	40	100	236	0	158	Farsi	BBC	BAB	FARSA
15430	1100-1300	54	200	131	0	238	eng	WRN	WRN	
15450	1355-1500	41NE	200	131	0	218		NEW	RAM	
15700	1230-1430	44	100	76	0	902	kor	WRN	WRN	
15720	1200-1400	44	100	71	14	618	kor	WRN	WRN	
15735	1300-1330	41	100	141	10	206	Eng	NHK	NHK	
15735	1400-1430	41	100	163	0	206	Eng	NHK	NHK	

(wwdxc BC-DX TopNews July 16)

VIETNAM - 12019.180 Voice of Vietnam English sce, elegiac song by male singer, noted with S=7 fair signal.
(wb, wwdxc BC-DX TopNews Aug 10)

Editor's info desk was closed for this edition on August 18th, 2013, at 09:00 UTC.

Please also see our website for lists of broadcasts in German and English, updated regularly.

Sources & Contributors:

A-DX - e-mail exchange - Austria.

Alokesh Gupta - New Delhi - India.

BCDX - News Bulletin by Wolfgang W. Bueschel (wb) - Stuttgart - Germany.

CONEXION - CONEXION Digital - Buenos Aires - Argentina.

DXLD - Glenn Hauser's DX LISTENING DIGEST - USA.

Dr. Hans-Jörg Biener (hjb) - Nuremberg, Germany.

DX MIX NEWS = DX RE MIX NEWS - from Georgi Bancov & Ivo Ivanov, Bulgaria.

Others as stated in contribution.

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Abbreviations:

with name of station:

BC / bc = Broadcaster, Int. = International, R = Radio, tx = Transmitter, Vo = Voice of, QRG = frequency

Location of transmitters with frequency:

Al = Aligarh/India, ALB = Albany, Arm = Armavir/RUS, Ban = Bangalore, Be = Beijing/China, Bib = Biblis/DL, BIH = Bosnia-Herzegovina, BLR = Byelorussia, BOT = Botswana, Br = Brandon/Aus, CHN = China, CLN-Ira = Sri Lanka Iranawila, CLN-Trm = Sri Lanka Trincomalee, CTR = Costa Rica, Du = Dushanbe/TJK, Dw = Darwin/Aus, ERV = Erivan/Armenia, F = Issoudun/France, Fl = Florida/USA, GAB = Gabun, GUF = French Guyana, HAB = Habana /Cuba, Ho = Hohhot/CHN, HRI = WHRI Cypress Creek/USA, IK = (IRK) Irkutsk/Siberia, Jin = Jinhua, Kash = Kashgar/CHN, Ka = Kingsway (Delhi), Kh = Khampur (Delhi), KOR = (South) Korea, Ku = Kununurra/Aus, Kun = Kunming/CHN, KWT = Kuwait, Lam = Lampertheim/DL, M = Moscow (Taldom), MCO = Monaco, MDA = Moldavia, MDG = Madagascar, MNG = Mongolia, MRA = Northern Marianas, N = Nauen/DL, Nn = Nanning/CHN, Pan = Panaji/India, RRW = Ruanda, RSA = Meyerton/South Africa, RUS = Russia incl. Sibiria, SAI = Saipan (MRA), Sam = Samara, SEY = Seychelles, Sh = Shepparton/Aus, SNG = Singapur, STP = Sao Tomé, SWZ = Swaziland, TH = (NAK) Nakhon Sawan/Thailand, TIN = Tinian (MRA), TJK = Tajikistan, TWN = Taiwan, UAE = Al Dubbaya/United Arab Emirates, Ur = Urumchi/CHN, Vla = Vladivostok, Wof = Woofferton/GB, Xi = Xian/CHN, Ya = Yamata/Japan.

Mostly within round brackets target areas as known:

Af = Africa, Am = America, As = Asien, Aus = Australien; Eu = Europe, ME = Middle East, Pac = Pacific Region; C = Central, E = East, N = North, S = South, W = West

Languages:

Ar Arabic - Ch Chinese - Du Dutch - E, En English - F French - G, Ge German - Gr Greek - I Italian - J Japanese - K Korean - P Portuguese - R Russian - Sp Spanish - Turk Turkish

Technical hint with frequency (QRG):

(*) = Digital Radio broadcast (DRM) v = variable irr = irregular
/USB = upper sideband, /LSB = lower sideband, alt.: (QRG) = alternative frequency

Editor:

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Used equipment:

Receiver: Communications receiver ICOM IC-R70 (no modification)

Antenna: Hamtronic HT504 selective active antenna, in roof window ca. 15 m above ground

Location: Herzogenaurach / Germany; 49.567/10.917; 310 m NN



DX LOGBOOK

Logs around the clock

by Ashok Kumar Bose, Unit # 28, 7035, Rexwood Road, Mississauga, ON, L4T 4M6, Canada
E-Mail: logbook@wwdxc.de

MEDIUMWAVE BAND

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
603.0	2130	222	G	Classic Premier, Reading	English	Hitlist	2007	MF
630.0	2045	221	G	Classic Premier, Bedford	English	Hitlist	2007	MF
657.0	2115	121	G	Maidstone XL	English	Ladies Football Team	1807	MF
702.0	2200	121	G	Preier Gold, Margate	English	Program	1807	MF
720.0	2235	222	G	Premier Gold, Jersey	English	Channel Hits	1807	MF
756.0	2225	322	G	Margate XL	English	Hitlist	1807	MF
801.0	2120	222	G	Premier Gold Guernsey	English	Tourist News	1807	MF
810.0	2110	211	G	Classic Premier, Ramsgate	English	Holiday weather	2207	MF
828.0	2230	322	G	Premier Gold, Hampshire	English	News	1807	MF
855.0	2115	211	G	Littleborough XL	English	Jesus & Northsea	2007	MF
882.0	2250	222	G	Alderney Premier Gold	English	Hits for tourists	1807	MF
891.0	2220	222	G	Canterbury Prem.,	English	Hit News	1807	MF
900.0	2145	211	G	Classic Gold, Bath	English	Hollyday region	2007	MF
909.0	2135	322	G	Premier Gold, Dover	English	News Classic	1807	MF
918.0	2140	221	G	Classic Prem., Lester	English	Agriculture News	1807	MF
930.0	2125	211	G	Talkpoint Eastburn	English	Rocket & Afghanistan	2007	MF
936.0	2150	122	G	Premier Gold, Sherwood	English	News	1807	MF
945.0	2220	222	G	Talkpoint, Taunton	English	Sports News	1907	MF
954.0	2140	322	G	Eastburn XL	English	Coast News	2007	MF
963.0	2240	111	G	Music Premier, Bath	English	Music for tourists	1907	MF
972.0	2135	121	G	Warwick Talkport	English	General elections	2407	MF
999.0	2225	211	G	Taunton Premier	English	Sports News	1907	MF
1008.0	0005	333	G	Classic Gold, Stafford	English	Jesus in music	2307	MF
1026.0	2115	211	G	Premier Gold, Exeter	English	Sailing Boat race	1307	MF
1035.0	2230	211	G	Talkpoint, Plymouth	English	Sailing Weather News	1907	MF
1062.0	2100	211	G	Talkport, Chester	English	Jesus	2207	MF
1107.0	2145	111	G	Classic Gold, Gloucester	English	Clean Towns	2407	MF
1125.0	2150	111	G	Music Prem., Gloucester	English	Hits	2407	MF
1143.0	2110	333	CYP	BFBS, Cyprus	English	Saudi Arabia News	1307	MF
1152.0	2210	111	G	Glocester XL	English	Theatre Play	2407	MF
1179.0	2125	111	G	Talkport, Gloucester	English	Fair trade & Africa	2207	MF
1233.0	1825	353	CZE	Radio Dechovka	Czech	Folk Music, Anncs.	2407	HD
1305.0	2240	221	G	Classic Gold, Birmingham	English	Our boys in Germany	2407	MF
1359.0	2240	322	G	Birmingham XL	English	Elvis Fans	2407	MF
1413.0	2110	322	G	Christian Prem., Glasgow	English	Jesus & Scotland	3107	MF
1548.0	2055	111	G	Blue Mountain, Dunform	English	Weekend Markets	3107	MF
1557.0	2050	211	G	Scarborough XL	English	Payment	3107	MF
1566.0	2120	222	G	Music Prem., Danforth	English	Casting	3107	MF

SHORTWAVE BANDS

Frequency	UTC	SIO	ITU	Radio Station	Language	Programme Details	Date	Rep.
3955.0	2100	555	G	KBS World via relay	English	Korean War	2506	PH

4810.0	1926	353	ARM	Voice of Armenia	Vernacular	Gesange,ID	2707	HD
4825.0	1931	343	AUS	VL8A ABC	English	News, ID	2707	HD
4976.0	1942	242	UGA	Radio Uganda	English	Talk,African music	2707	HD
5920.0	0100	433	USA	WHRI	English	Irn news, songs	1007	PH
5950.0	0110	111	GUY	Voice of Guyana	English	Brasil Rainforest	0208	MF
5995.0	2110	242	MLI	Radio Mali	French	Berichte,Politik	2707	HD
6000.0	0100	222	CUB	Radio Habana	English	Syrian war & Turkey	0208	MF
6100.0	1610	131	AZE	Volice of Azerbaijan	English	P.M. + War in Africa	0608	MF
6155.0	1800	443	F	Radio Taiwan via Issoudun	English	News	1806	PH
6165.0	0250	222	ZMB	Radio Zambia	English	Kidnapping	0908	MF
6180.0	2100	343	B	Radio Nacional Amazonia	Portugese	ID,TS,News,Jingle	2607	HD
6285.0	2037	444	G	Focus Intl.,	English	ID,Music	2607	HD
6305.0	2016	444	HOL	Radio Mazda	Dutch	Music, ID	2607	HD
7195.0	0330	131	UGA	Radio Uganda	English	Touists + Animal Criminals	0908	MF
7265.0	0808	232	D	MV Baltic Radio	German	Music,News	0408	HD
7270.0	0950	131	KEN	Voice of Kenya	English	Kenya policy of human rights	0908	MF
7285.0	1010	131	NIG	FRCN Lagos	English	Criminal monkey hunters	0908	MF
7295.0	0120	121	MLA	TRAXX	English	Indonesia Rainforest	0208	MF
9390.0	1900	5/5	THA	Radio Thailand	English	Thailand News	1607	PH
9390.0	2005	544	THA	Radio Thailand	German	News,ID,Music	2607	HD
9430.0	2004	444	VTN	Voice of Vietnam	German	News,Info,ID	0208	HD
9435.0	1615	221	TWN	Radio Taiwan	English	World of Mountain	1707	MF
9445.0	2200	5/5	IND	All India Radio	English	News	1907	PH
9465.0	2300	554	RUS	Voice of Russia	English	Talks	1706	PH
9500.0	2200	343	AUS	Radio Australia	English	Talks	2206	PH
9515.0	1610	221	KOR	KBS World	English	Computer industry	1707	MF
9540.0	2200	4/4	ROU	Radio Romania Int.	English	Broadcasting	0607	PH
9560.0	1630	111	ETH	Voice of Ethopia	English	Alcohol consumption	1707	MF
9600.0	1235	343	USA	Brother Stair	English	Religious program,ID	3007	HD
9625.0	1700	554	AUT	Voice of Vietnam	English	News	2206	PH
9650.0	1620	111	ETH	Voice of Ethiopia	English	Gun trade by China	0608	MF
9655.0	1500	4/4	AUT	Overcoming Ministry-Moosbr	English	Talks	2806	PH
9705.0	1045	131	ETH	Radio Ethiopia	English	100 German soldiers dead	0908	MF
9715.0	1930	5/5	IRN	Voice of Iran	English	Talks	2507	PH
9720.0	0210	111	EGY	Radio Cairo	English	New Military Govt.	0208	MF
9730.0	2030	343	VTN	Voice of Vietnam	English	News	1806	PH
9785.0	1900	4/4	TUR	Voice of Turkey	English	Qustiar	1107	PH
9830.0	1600	3/3	D	AWR via Nauen	Bulgarian	Bulgarian	2806	PH
9830.0	2200	5/5	TUR	Voice of Turkey	English	Talks	2007	PH
9850.0	1900	5/5	CVA	VoA via Sta. Maria Galeria	English	News	2907	PH
11670.0	2200	5/5	IND	All India adio	English	News	3006	PH
11695.0	2100	554	AUS	Radio Australia	English	Australian Team	2506	PH
11710.0	0230	222	ARG	RAE	English	Animal World	0908	MF
11730.0	2115	4/4	BLR	Radio Belarus	English	Talks	3006	PH
11735.0	1650	221	TZA	Radio Zanzibar	English	Animal watch	1707	MF
11775.0	2100	5/5	D	Overcoming Ministry/Nauen	English	Talks	1907	PH
11785.0	0240	121	INS	Radio Indonesia	English	Borneo Animal World	0908	MF
11835.0	1650	121	TZA	Radio Tanzania	English	Animal protection policy	0608	MF
11890.0	1620	121	CLN	SLBC	English	Cheap workforce	1707	MF
12020.0	1025	131	VTN	Voice of Vietnam	English	Gun trade in Asia	0908	MF
12020.0	1630	121	VTN	Voice of Vietnam	English	Gun trade	0608	MF
12085.0	1030	222	MNG	Voice of Mongolia	English	Mongolia countryside	0908	MF
13845.0	1300	4/4	USA	WWCR	English	Power hour	2806	PH
13845.0	1900	4/4	USA	WWCR	English	Talks	2907	PH
15140.0	1953	554	OMA	Radio Oman	Arabic	Gesange,Ans.	2707	HD
15190.0	1640	131	PHL	Philippines Bc Sce	English	Philip. soldiers in Vietnam War	0608	MF
15250.0	1015	222	ARS	Voice of Saudi Arabia	English	Muslims in China	0908	MF

15295.0	0310	121	MLN	Voice of Malaysia	English	Rebels in Malays. Rain forest	0908	MF
15320.0	1500	5/5	PHL	Radio Veritas	Tagalog	Talks	2007	PH
15420.0	2002	333	USA	WBCQ	English	Religious program	2707	HD
15540.0	1900	5/5	KWT	Radio Kuwait	English	News	2507	PH
15610.0	2018	444	USA	WEWN	English	Religious program	2707	HD
15745.0	0300	222	CLN	SLBC	English	Gun export by China	0908	MF
15825.0	1700	3/3	USA	WWCR	English	Talks	2806	PH
15825.0	2029	454	USA	WWCR	English	ID, Religious program	2707	HD
15850.0	2037	343	ISR	Galei Zahal	Hebrew	Talk,Music	2707	HD
17510.0	1100	554	ROU	Radio Romania Intl.,	English	Radio Newsreel	1106	PH
17630.0	1300	443	CHN	CRI	English	News	1406	PH
17720.0	1100	443	PAK	Radio Pakistan	Urdu	Songs	1806	PH

Here are the loggings from Richard A. D'Angelo of Wyomissing, Pennsylvania, USA:

- 4055.0 GUATAMALA. Radio Verdad, 0540-0507* Jul 14, Spanish language talks by a man and woman with light music tossed in, Canned ID and announcements at 0558 until longish anthem like song began around 0602. Poor to fair.
- 6070.0 CANADA. CFRX – Toronto, 0101-0416 Jul 18, noted back on air with traffic report, ads and talk about Mayor Ron Ford with "News talk 1010" IDs. Noted off and on past 0400 with fair to good signal and general fair overall reception. It is nice to have them back again.
- 7275.0 TUNESIA. Radio Tunisienne, 0523-0537 Jun 25, male vocal selection followed by a woman announcer with Arabic language talks. More vocals accompanied by flutes. Fair to good.
- 7295.0 FRANCE. TRV Algerienne – Issoudun, 0434-0452 Jul 27, man announcer with news in Arabic language followed by ID at 0440 then talks and recitations. Fair to good.
- 8989usb NICARAGUA. "El Pescador Preacher", 0006-0012 Jun 30, thanks to Wilkner tip finally heard with man announcer with Spanish talk until ended transmission. Poor to fair.
- 9465.0 RUSSIA. Voice of Russia – Armavir, 2346-0007 Jul 9, English features with ID and information at 2359 closedown of English service to South America. After Kremlin bells opened with Spanish service, ID and news. Fair.
- 9579.2 MOROCCO (Spanish). Radio Medi Un, 2337-0039 Aug 9, best signal in along time from this one with Middle Eastern vocals program. News at 2357 in Arabic language. After news signal began to deteriorate. Mainly fair.
- 9810.0 RWANDA. Radio Deutsche Welle – Kigali, 0402-0411 Aug 6, man and woman announcer with news in English. Nice ID at 0404 followed by program previews. Poor.
- 11545.0 CLANDESTINE (Afghanistan). Salam Watandar – Sofia, 0344-0359* Jul 31, talks by a man and woman announcers followed by IRRS ID inviting reception reports at 0359 before carrier was terminated. Fair to good.
- 11560.0 CLANDESTINE (Sudan). Radio Miraya via Sofia, *0300-0328 Jul 27, opening with English ID and announcements by a male announcer followed by various selections of local vocals. Fair to good.
- 11670.0 INDIA. All India Radio-Bengalaru, 2152-2230* Jun 24, man and woman singing Hindi duet. ID at 2150 by a woman announcer in English with News at 2200 by another woman announcer. ID at 2210 followed by commentary about Sri Lanka's 13th amendment. Another ID at 2215 followed by a man announcer hosting Economic Review program. Close down at 2229. Fair to good signal.
- 11680.0 GERMANY (East). Radio Japan – Nauen, 0258-0313 Jul 12, Japanese talk by a woman announcer buried under Radio Havana Cuba in Spanish on same channel. News at 0300 by a man announcer improving somewhat as Cuba faded down a little.
- 11700.0 FRANCE. Radio France International – Issoudun, 0724-0738 Jul 30, French language program to Africa with man announcer talking followed by instrumental music and a woman announcer. ID and news headlines at 0729. Poor to fair signal.
- 11815.0 BRAZIL. Radio Brasil Central -, 0140-0225 Jul 10, male announcers in Portuguese with coverage of futbol match. Ids, jingles and half time coverage beginning at 0150. Fair but no sign of 4985 outlet.
- 11855.0 MOLDOVA. BBC – Grigoriopol - Maiac, 0317-0330* Jul 14, talk by man and woman announcers in listed Farsi language. ID at 0329 followed by time pips at 0330 ending transmission. Poor to fair.
- 11865.0 RWANDA. Radio Deutsche Welle – Kigali, 1944-2012 Jul 13, English service with African news features hosted by a woman announcer. Off mid-sentence during feature about South African leader Nelson Mandela. But returning at top of the hour with news and more feature programming. Poor to fair with moderate fading.
- 11915.0 BRAZIL. Radio Gaucha – Porto Alegre, 0230-0303* Aug 11, man announcer with Portuguese talks hosting a program of easy instrumental music. At 0259 the man gave ID and closedown announcements. Off without any anthem. Poor.
- 11915.0 SAUDI ARABIA. Broadcasting Service of the Kingdom of Saudi Arabia – Holy Qur'an Service, 2224-2301* Jun 24, man with recitations until 2234 when a man announcer spoke in Arabic mentioning Qur'an several times. More recitations followed until terminated at 2301. Good signal.
- 11945.0 AUSTRALIA. Radio Australia – Shepparton, 0700-0722 Jul 30, Australian Network News read by a male announcer. Good signal.
- 11985.0 FRANCE. Radio Algérienne – Issoudun, 0607-0657* Aug 10, recitations during Holy Qu'ran program. Talk in Arabic language by a man announcer at 0631 followed by more recitations. Carrier cut during talk by another man. Fair although somewhat noisy conditions.
- 12005.0 ENGLAND. Voice of Vietnam – Woofferton, 0244-0300* Jul 12, woman announcer hosting English service with Vietnamese vocals at 0252. ID and closedown at 0257 but carrier stayed on for another three minutes. Fair to good.
- 15140.0 OMAN. Radio Sultanate de Oman, 2043-2200* Jul 13, man announcer with Arabic talks hosting Middle Eastern vocals. After bells and

chimes at 2100 a man gave station ID followed by the news which was followed by woman hosting program of talks and more music. At 2200 the usual array of bells and chimes followed by a man with ID prior to carrier being terminated. Fair. 15630.0 GREECE. Free Hellenic Radio (tentative), 1330-1353 Jul 28, thanks to tip from Alan Roe tuned this but although signal was fair the modulations seemed off making distinguishing words very difficult. Interesting!

Thanks a lot to our club members for your contributions:

- HD : Harald Denzel, Egelsbach, Germany. JRC NRD 545-DSP with Grahn GS5SE Modul MI3.
- MF : Michael Frese, Osnabrueck, Germany. Grundig Yatchboy with telescopic aerial.
- PH : Paul Hayes, Limerick, Ireland. ICOM RC 75, Wellbrook 200p , Satellit 450, SONY ICF 7600GR with long wire.
- RAD : Richard A. D'Angelo, Wyomissing, PA, USA. Ten-Tec RX-340, Drake R-8B, Eton E1, Lowe HF-150 with Alpha Delta DX Sloper, Datong FL3.

Dear Friends,

We have a shorter edition of Logbook this month. Thanks to all our members for the loggings.

Till next time,

Ashok Kumar Bose

	<p>QSL CORNER</p> <p>Editor: Dario Gabrielli, Viale della Resistenza 33b, IT-30031 Dolo (Ve) ITALY eMail: qsl@wwdxc.de</p>	
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Australia:
HCJB Global Voice Australia 15525 kHz. QSL received in 15 days for report to: Yodobashi Church (HCJB Japan), 1-17-8 Hyakunin-cho, Shinjuku-ku, Tokyo, 169-0013 Japan. RP two 80 yen stamps. (HT)

Azerbaijan
Voice of Azerbaijan 6110 kHz. QSL received in 96 days for report to M. Huseyn street 1, AZ 1011 Baki Azerbaijan (MF)

Bahrain:
Radio Bahrain 6010 kHz. QSL received in 48 days for reports sent to Radio Bahrain P.o.Box 1075 Manama Bahrain (MF)

China:
China Radio International 13640 kHz. Japanese program,p/d QSL card "Shui ethnic minority group" received in 40 days for a reception report by email to: nihao2180@cri.com.cn (HT)

China Radio International 13640 kHz. Japanese program,p/d QSL card "Gelao ethnic minority group" received in 12 days for a reception report by email to: nihao2180@cri.com.cn (HT)

Iran:
Islamic Republic of Iran Broadcasting 11765 kHz. Japanese program, f/d card "Iran-Fars, Shiraz Persepolis" v/s Saberi, along with a personal letter and a program schedule in Japanese in 44 days for a 5 day reception report by email to jar@irib.ir (HT)

Korea (DPR):
Voice of Korea 11865 kHz. QSL received in 39 days for report to: Voice of Korea, Pyongyang, Democratic People's Republic of Korea. (HT)

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Liberia:

Radio Liberia 6100 kHz. Prepared Return Card received in 204 days for reports to: P.o. Box 594 Paynesville Liberia (MF)

Madagascar:

Lamp of Hope on Bible Voice Broadcasting via Talata Volonondry. QSL received in 19 days for report to: Lamp of Hope, P.O. Box 7, JP Abiko Branch Office, 270-1191 Japan. RP 80 yen stamp. (HT)

Mongolia:

Voice of Mongolia 12085 kHz. Japanese program, f/d card "greetings from Mongolia - camels carry goods in a file", 18 days for a reception report sent by airmail to: Voice of Mongolia, Japanese Section, C.P.O. Box 365, Ulaanbaatar 211213, Mongolia (HT)

New Zealand:

Radio New Zealand International 9700 kHz. English program, f/d QSL card "SOUNDS LIKE US - Honey Radio" received in 18 days for a reception report with 2 IRC's by airmail to: Radio New Zealand International, P.O. Box 123, Wellington, NEW ZEALAND (HT)

Palau:

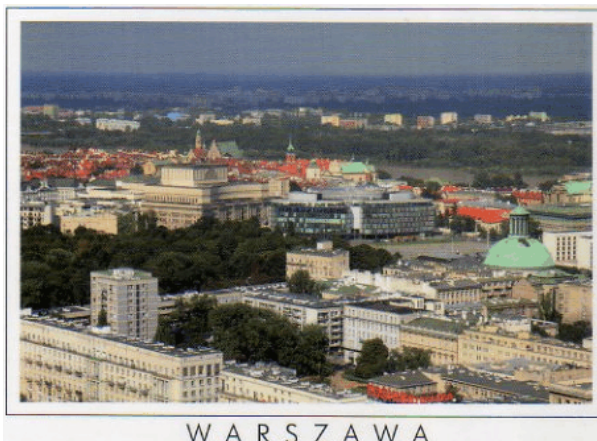
HCJB Radio Quito 7385 kHz. German Program, QSL received in 43 days for report to: HCJB Radio Quito, P.O. Box 17 17 691 Quito (Ecuador) (MF)

Poland:

Polish Radio 9400 kHz. Russian program, f/d card "Warsaw - Aerial view from Palace of Culture and Science"; in 9 days for a reception report by email to ru@polskiradio.pl (HT)

Romania:

Radio Romania International 11940 kHz. English program, f/d card "Radio Romania Cluj office building", in 24 days for a reception report from web form. (HT)



Radio Romania International 7425 kHz. German program, QSL Card received in 45 days for a reception report sent to germ@rri.ro (GK)

Russia:

Voice of Russia 12030 kHz. English program, f/d card "To the first manned flight into space - Monuments"; in 19 days for a reception report by email to world@ruvr.ru (HT)

Voice of Russia 21820 kHz, English program, f/d QSL card "Saint Basil's Cathedral 1555 - 1561" received in 31 days for a reception report by email to: world@ruvr.ru (HT)

Rwanda:

Radio Rwanda 6055 kHz. Pennant received in 253 days for reception report sent to Radiodiffusion de la Republique Rwandaise B.P. 83 Kigali (Rwanda) (MF)

Spain:

Radio Exterior de España via Beijing (or Xi'an), 11910 kHz. Spanish program, f/d card "70th anniversary", in 59 days for a reception report by airmail at the following address: secretaría Técnica, Radio Exterior de España, Apartado de correos 156.202, 28080 Madrid, Spain (HT)

South Korea :

KBS World Radio 9740 kHz. QSL card representing "Mascota oficial de KBS World Radio por 60º Aniversario", along with program schedule in Spanish, stickers and reception report forms, received in 29 days for a reception report by email to spanish@kbs.co.kr (HT)

KBS Radio Korea 3955 kHz. QSL card received in 38 days for reception report sent to: KBS World German Department, Seoul 150 – 790 (South Korea) (GK)

Sri Lanka:

SLBC 15745 kHz. QSL received in 131 days for report to Sri Lanka Broadcasting Corporation, P.O. Box 574 Independence Square, Colombo 7 Sri Lanka (MF)

PCJ Radio International via Trincomalee 11835 kHz. English program, f/d QSL letter received in 31 days for a reception report by airmail to: PCJ Radio International, 8th floor, No.47, Lane 31, Sanmin Road, Section 1, New Taipei City, Banciao, Taiwan 220-70, ROC (HT)

Swaziland:

TWR Swaziland 15360 kHz. QSL received in 50 days for report to: TWR - Swaziland, P.O. Box 64, Manzini, Swaziland.RP 2 IRC's. (HT)

Tanzania:

Radio Zanzibar 11735 kHz. QSL received in 163 days for report to: P.O. Box 1178 Zanzibar. (MF)

Thailand:

Radio Thailand World Service via IBB Thailand Transmitting Station heard on 9795 kHz. QSL card received in 22 days for report to: International Broadcasting Bureau, Thailand Transmitting Station, P.O. Box 99 A. Muang, Udon Thani, 41000 Thailand. (HT)

United Arab Emirate:

Deutsche Welle via Dhabayya 15640 kHz. Pashto program, f/d card "60 years of fostering global exchange", in 18 days for a reception report by email to info@dw.de (HT)

Uzbekistan:

Radio Uzbekistan 11695 kHz. Letter of confirmation received in 86 days for reception report sent to Amir Timur 109 a Tashkent 10084 (MF)

Vietnam:

Voice of Vietnam 9430 kHz. QSL card received in 37 days for reception report sent to: Voice of Vietnam, German Department 58, Quian Su str. Hanoi Vietnam (GK)

Voice of Vietnam 12020 kHz. QSL card received in 37 days for reception report sent to Voice of Vietnam 58, Quian Su str. Hanoi Vietnam (MF)

Voice of Vietnam 12020 kHz. Japanese program, f/d QSL folder "White sand dunes in Mui Ne" received in 9 days for a reception report by email to: vovjapanese@yahoo.com (HT)

The reporters of this edition of 'QSL CORNER' are:

HT = Hironori Takeuchi Chiba, Japan
GK = Gerard Koopal Almere, Netherlands
MF = Michael Frese Osnabrueck, Germany

Dear friends,

Starting with this issue of our DX MAGAZINE I have the great pleasure to be a part of the editorial staff, replacing the good work of OM Kanwar Sandhu as QSL EDITOR.

I hope that my future work will be good. I have made some general changes in the presentation of QSL CORNER and I hope that you will like it. I should be very thankful for your contributions and also for your comments and advices to improve the page.

If you want send me some copies of your QSL cards which you have received, please send them to me in JPG format, so that we can insert them on the page.

Please remember that I will compile this page's listings as per country of transmitter for each station. If you know the location of transmitter, then send your entry under the name of that country.

Many thanks in advance and best wishes until October,

Dario

The Fading Voice of Liberty by S. Enders Wimbush in WSJ

A dysfunctional Broadcasting Board of Governors hampers America's radio message just when the need for it is urgent.

Among America's most successful strategies for winning the Cold War were its so-called soft-power instruments, especially international broadcasting from the Voice of America, Radio Free Europe and Radio Liberty, which was broadcast to the Soviet Union and its republics. VOA and RFE/RL practiced an optimal formula for breaking authoritarian regimes' monopoly of information, not least about those societies' own realities. The radios' ability to reach people around the world, especially those deprived of access to accurate information about the U.S. and their own countries, kept the hope of personal and political freedom alive.

The end of the Cold War changed the nature and mission of international broadcasting. But Congress correctly saw a continued role for such broadcasting to serve U.S. foreign policy by delivering targeted news and information to places where local media still provide an incomplete picture at best and leave citizens unable to make informed decisions.

After adding broadcasts from Radio Marti to Cuba in 1985, and TV Marti in 1990, Congress created the International Broadcasting Bureau in 1994. Then came Radio Free Asia in 1996 and the Middle East Broadcasting Networks in 2004.

Unfortunately, the new oversight structure Congress set up in 1995 to manage this archipelago of media organizations—the Broadcasting Board of Governors—is deeply flawed. The result has been management chaos and paralysis, and decisions about broadcasting that wasted money and, worse, squandered crucial opportunities to reach both friends and enemies abroad at a time of great international turmoil.

Aware of many of these problems, Congress is again seeking to reform international broadcasting. Putting the Broadcasting Board of Governors out of business should be a top priority.

When Congress established the BBG, it put a nine-member, bipartisan, part-time group of volunteers in charge of a \$800 million yearly budget and a sprawling empire—without the tools or expertise to run it. The mission, evolved since U.S. international broadcasting began in the 1940s, was to provide objective news and analysis and to harness programming to America's national interests. Unlike the separate oversight regimes of VOA and RFE/RL during the Cold War, the new amalgamated entity was an unworkable idea from the beginning.

With any member able to block a vote, the board has attempted to operate by consensus, a goal that has predictably prevented decisions large and small. Since 2012, five of its eight members, known as governors, have resigned. (My own reasons were frustration and disgust.) The BBG cannot function legally because it now lacks an operating quorum. This may be a good thing.

In January, the Government Accountability Office and the State Department's Inspector General both issued reports documenting problems under BBG management. "A part-time Board cannot effectively supervise all U.S. Government-supported, civilian international broadcasting," State's IG pointed out, noting that the BBG "is failing in its mandated duties." Citing dynamics characterized by "hostility," the report also said that, "The Board's dysfunction stems from a flawed legislative structure and acute internal dissension."

Shocking, for sure, but in some respects BBG's confused governance is not surprising. Its oversight responsibility extends to six different media enterprises, some of which, like VOA, are part of a federal agency—while others, like RFE/RL, are private 501(c)(3) organizations funded with federal grants. These two models have little in common. The board's impossible task is to harmonize their contradictory elements.

Below the board level, the heads of the six media enterprises are consumed in competition with each other for shrinking resources, and little sharing takes place. When individual board members align with one media enterprise to promote that enterprise's special interests and goals—or when individual enterprises lobby Congress

for special dispensation-dysfunction is multiplied.

Yet it is the BBG's strategic dysfunction that is most objectionable. Unable to tie broadcasting to U.S. foreign-policy objectives, it invests where it should cut back, cuts back where it should invest, and does little to encourage targeting programming that serves U.S. interests.

One would think that the BBG would tailor its investments to compete in a modern media world characterized by hundreds of information sources and strong broadcasting competition from the likes of China, Russia and Iran. Yet the opposite seems to be happening.

For example, the BBG condones rampant duplication by the different networks. The VOA has a Russian broadcast service. So does RFE/RL. The VOA has a Burmese broadcast service. So does Radio Free Asia. U.S. international broadcasting operates two separate services in no fewer than 23 languages.

Each of the networks also duplicates nearly all administrative operations-human resources, communications, legal, etc. Earlier attempts by the current board to address these and other inefficiencies were blocked by a dissident board member.

Rampant, expensive duplication means that the BBG cannot invest in areas of growing strategic importance-for example, by creating services in Igbo to Nigeria (population 30 million) or Sindhi to Pakistan (population 34 million), two states where the U.S. has vital interests. But Armenia (population under three million) gets two services; Georgia (4.5 million) gets two services; Laos (6.5 million) gets two services; Macedonia (three million) gets two services; and so forth.

Then there are some small language services that are of great strategic importance in today's world but always in danger of being axed. RFE/RL broadcasts in Tatar and Bashkir are unique to these significant Islamic populations in the center of Russia that will have a strong voice in the future of that ailing state. Similarly, broadcasts to the North Caucasus-ancestral home of the Chechens who bombed the Boston Marathon-are constantly on the verge of being cut. Good strategy would double down on these assets.

Persistent strategic problems go unaddressed. VOA's vastly expanded and newly renamed Persian News Network was set up in 2006-07 so hastily and carelessly that staff recruiting included targeting Farsi-speaking workers at places like Starbucks SBUX +0.45% and Home Depot, HD -0.16% regardless of journalistic inexperience.

Given Iran's strategic importance, the Persian News Network should be the gold standard of U.S. international broadcasting. Instead it has become known more for pratfalls. In 2010, the PNN used a film clip from Iranian state television to accompany a news story, but neglected to remove the original "crawl" line of unrelated material that moved across the bottom of the screen. Its content, rebroadcast by the U.S. to the people of Iran: hate-filled excoriations of Israel and Zionists.

Incremental changes will never solve the BBG's built-in problems and contradictions. Starting over means eliminating the board, and putting all U.S. international broadcasting into a single nonfederal organization under professional management. The objective is a single organization, with professional leadership and management, and strong connective tissue to America's strategic center-logically the National Security Council-with strong input from Congress. There must also be a sturdy firewall against political interference in U.S. international broadcasting's journalistic mission.

Though times have changed, much of this formula is what made U.S. international broadcasting so effective during the Cold War. It can work well again in the tumultuous world in which we now find ourselves. Mr. Wimbush served on the Broadcasting Board of Governors from 2010-12 and was director of Radio Liberty from 1987-93.

(Wall Street Journal, July 18th, 2013 via DXLD via wb, wwdxc BC-DX TopNews July 23rd -
 <http://online.wsj.com/article/SB10001424127887323848804578606083722741720.html?mod=wsj_streaming_stream>)

FAREWELL EKALA - SRI LANKA by Stig Hartvig Nielsen

Friday 31st May 2013 saw the end of Ekala. This was the last day on which the Sri Lanka Broadcasting Corporation (SLBC) could be heard over the famous, historical shortwave station in Ekala. It was a well-known station among short wave enthusiasts for decades.

The closure came as no great surprise. When I visited the station, located just north of Sri Lanka's capital Colombo, in February, it was clear that the station's days were numbered. At that time there were talks about a closure on 31st March, but it wasn't until two months later that the final transmission from Ekala was aired.

Although broadcasting via Ekala has ceased, the short wave transmissions of SLBC continue - now via Trincomalee in northeastern Sri Lanka instead. Unlike, for instance, Sackville, there are no immediate plans for the station in Ekala to be dismantled.

The history

Sri Lanka - or as it was previously known till 1972, Ceylon - was one of the first countries in the world to use radio, and supposedly the first country in Asia to do so. The first experimental broadcasts were aired in 1923, and in 1925 regular programmes commenced - initially with a 250 Watt transmitter under the name of Radio Colombo. In 1930 the station got a new 2 kilowatt medium wave transmitter - some years later, 5 kW, and during 1934 the first experimental short wave broadcasts materialized. The aim was to reach listeners outside the capital Colombo.

During World War II all broadcasting was taken over by the Allied Forces under the name of Radio SEAC (South East Asia Command) and short wave was introduced on a larger scale. The station in Ekala was built, and the strong signals from Radio SEAC played an important role from 1944.

The construction of the station commenced as early as 1941, but was delayed by the fact that the Germans managed to sink the boat from England carrying the first 100 kW Marconi transmitter, which ended up on the ocean floor. So it wasn't until the end of 1943 that broadcasting first began with some 18-20 hours of broadcasting daily on 15120 kHz.

Following the war - in 1949 - the Radio SEAC facilities, consisting of studios and the transmitters in Ekala (two Marconi short wave transmitters at 7½ and 100 kW), were transferred to the local government and thus back to Radio Ceylon. Some years later three 25 kW transmitters were installed. These transmitters were used for covering the entire country with broadcasts in the three languages of Sri Lanka: Sinhala, Tamil and English.

In 1950 'The English Commercial Service' was launched, and this was a huge success in the 1950s and 1960s across South Asia. In particular there were a lot of listeners in India.

In 1953 the USA achieved permission to build a VoA relay station in Seeduwa - not far from Ekala. Later - in 1996 - the Americans constructed a new powerful station in the fishing village of Iranawila, 150 km north of Colombo. This despite massive opposition from local residents in the small village. Today, the station consists of two 500 kW transmitters and six 250 kW transmitters. In addition to broadcasts from VoA the facility is used to broadcast programmes such as Radio Ashna, Radio Azadi, Radio Farda, Radio Free Asia, Radio Liberty and Radio Sawa, all parts of the U.S. psychological warfare aimed at Afghanistan, Pakistan, Iran, several other Asian countries as well as the Arabic-speaking countries.

In 1959 Radio Ceylon took a new 10 kW medium wave transmitter into use, thanks to help from West Germany. By the end of the 1960s a number of new medium wave stations in various parts of the island were installed. In the late 1970s, they were supplemented or replaced by new FM transmitters. In 1967 the name 'Radio Ceylon' was changed into 'Ceylon Broadcasting Corporation', and in 1972 - when Ceylon officially changed its name to Sri Lanka - the name of the radio station was changed again - it became the Sri Lanka Broadcasting Corporation (SLBC), a name which remains till today.

In 1983, Sri Lanka's first community radio station - Mahaweli Community Radio - took to the airwaves thanks to donations from Denmark. One of the objectives was teaching the local farmers modern farming methods.

Round about the same time West Germany succeeded in getting a permission to build a huge relay station in Trincomalee for the external service known as Deutsche Welle (DW). Initially two high power SW transmitters at 300 and a 250 kW were installed as well as a 600 kW medium wave transmitter. The relay station was opened in 1984. Later the row of transmitters included four 300 kW shortwave transmitters in addition to the high power medium wave transmitter.

In November 2011 DW's relay station in Trincomalee was handed over to the Sri Lankan government. This happened because DW dropped virtually all broadcasts on short wave.

In 1992 a close collaboration with Japan began. It included delivery of new studio equipment, OB [outside broadcast; remote] equipment and FM transmitters to SLBC. And the Japanese also delivered a number of short wave transmitters to Ekala: Three new 10 kW transmitters to be used for the SLBC Domestic Service and two new 300 kW short wave transmitters that were used to relay broadcasts from NHK Radio Japan.

In 2012 NHK ceased all transmissions via Ekala, and the two 300 kW were handed over to Sri Lanka.

Most transmitters at Ekala in poor condition

It isn't hard to find the Ekala short wave station – located approx. 20 km north of Colombo on yet another very hot day in Sri Lanka during my journey to South Asia in February 2013.

Admittedly the easy finding of Ekala is due to the well-known - and only - DXer in Sri Lanka, Victor Goonetilleke, who directs us. For ages he has followed developments in the short wave world and of course also in Ekala and this is by no means his first visit there.

The station is located relatively close to built-up areas. It consists of three very large main buildings and a few fields with a lot of aerials. It's really not modern and some of the transmitters - most of which do not work anymore - are in quite poor condition. But it is a friendly team of engineers who welcome us at the station, and they willingly tell us everything about the station – its facilities and its history - and show us around. The staff realise that the station is living on borrowed time.

Victor Goonetilleke is of the opinion that it is important that the station is not just being completely dismantled. He suggests that some of the transmitters and aerials are being preserved and that Ekala should be turned into a museum, so future generations can see and learn about how short wave once played a major role in international communications.

But the chances of that happening are slim. Goonetilleke adds that already several companies have expressed interest in buying the large area on which the station is located. And in these materialistic days it is very likely that the land will be sold and that the transmitters will all be scrapped as scrap or electronic scrap.

Until the closure only three transmitters were in working condition: Two 10 kW and one 35 kW transmitter. One of the three, however, had rather poor audio. All the transmitters which Japan donated to Sri Lanka in the early 1990s are out of service. The four 10 kW transmitters used for the Home Service are very unlikely to be usable again, says a technician I talk to.

The two large 300 kW transmitters however are in good condition. They had been in operation until mid-2012. These two major transmitters, however, lack tubes and it remains such a huge expense (2 x US\$50.000), that the purchase of these tubes has been postponed several times.

The aerials at Ekala consist of three set ups: An old aerial directed towards India, a new aerial which can be used for both India and the Middle East and also an old aerial aimed at the Far East. Only the latter doesn't work anymore.

Trinco is better

The old Deutsche Welle relay station in Trincomalee - often abbreviated to Trinco - from the mid-1980s - is in good condition, and there are several reasons why SLBC has chosen to broadcast from here instead of Ekala.

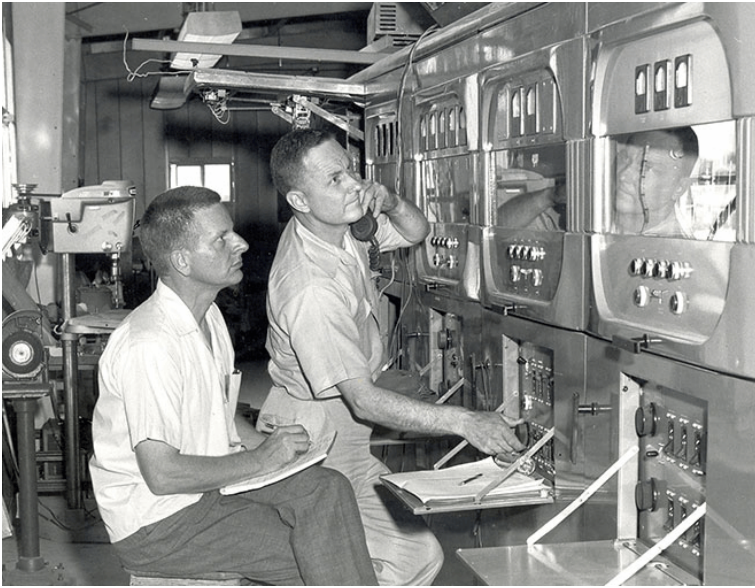
Trinco is located in north-eastern Sri Lanka, where an intense civil war between the Sri Lankan government and the Tamil rebels from the LTTE was fought for some 30 years. The civil war meant that DW could not get its electricity from the normal power grid. Instead, delivery of diesel fuel was made to some giant diesel generators. DW had an agreement with both the Sri Lankan army as well as the Tamil forces which ensured DW's station was spared and left in peace, and stopped any attacks on the transportation of diesel fuel on the 12 km dirt road from the nearest port to the relay station. This agreement was observed by both sides during all of the war.

The civil war ended three years ago, and the area in north-eastern Sri Lanka is now getting standard power supply established. A connection to the grid will make it much cheaper to operate the station, and in February 2013 it was expected that the connection would come into place in March 2013. Diesel generators were an expensive and a cumbersome solution. It is due to this fact that the SLBC has refrained from relocating from Ekala to Trinco a lot earlier.

As from the end of May all of SLBC's international broadcasts have been moved. This has meant that instead of using three frequencies at a time - now only one frequency is used at a time. But with much higher output power than in the past - namely 125 kW compared to the previous 10-35 kW.

(July BDXC-Communication via DXLD via WB)

The Most Important Radio Station You've Never Heard of Marks 50 Years on the Air



Every night, while millions of Americans are fast asleep, clocks and wristwatches across the country wake up and lock on to a radio signal beamed from the base of the Rocky Mountains. The signal contains a message that keeps the devices on time, helping to make sure their owners keep to their schedules and aren't late for work the next day.

The broadcast comes from WWVB, a station run by the National Institute for Standards and Technology. WWVB marks half a century as the nation's official time broadcaster on July 5. Together with its sister station, WWV, which is about to hit 90 years in service, NIST radio has been an invisible piece of American infrastructure that has advanced industries from entertainment to telecommunications. (WWV's broadcast includes a wider range of information, including maritime

weather warnings and solar storm alerts).

Most people aren't even aware that these stations exist, but they have a rich and fascinating history. Their future is uncertain, however, as newer technologies threaten to make them obsolete.

NIST is the government agency charged with developing the technology standards that underlie everything from data encryption to cholesterol tests. "We're in the business of weights and measures," said John Lowe, who directs NIST's time services from Boulder, Colorado.

At first glance, it's unclear why the people who test bulletproof vests and smoke detectors would be in the radio business. But as broadcast technology blossomed through the first half of the 20th century, the government quickly recognized the need to standardize radio. Manufacturers were churning out equipment left and right to deliver information over the air, but no one was ensuring that a particular frequency was the same in Maine as it was in Malibu.

Enter NIST, the folks who determine the length of a second. A radio signal is really defined by time, the number of peaks in a wave that pass by a point every second. The FM band, for instance, occupies the airwaves between 87.7 and 108 megahertz (MHz), or millions of cycles per second. Making sure that the dial on the radio in someone's home or car matches the broadcast signal demands that stations and receivers all agree on the same standard second.

WWV began broadcasting reference frequencies for signal calibration using equipment not that different from the chunk of quartz in a modern wristwatch. These days, though, a bit of quantum physics keeps the nation's signals in sync. Cesium-133 atoms within the NIST-F1 atomic clock oscillate a frantic 9,192,631,770 times per second, acting like the pendulum of a grandfather clock. By tuning into that oscillation, NIST defines the basic unit of time, and by extension, frequency. Over the years, the reference frequencies have been so finely calibrated that they are accurate to beyond a single cycle in a trillion.

Thanks to this ability to fine-tune broadcasts, AM and FM commercial radio exploded during the 1960s and '70s because more precise signals meant that more stations could be crammed into a particular range of frequencies. Listeners now had access to more music and programming than ever before. In a way, Lowe says, rock 'n' roll owes a small debt to the atomic clock.

In 1965, two years after going on the air, WWVB set out on a new mission to broadcast accurate time to the whole country. This seems downright quaint in an age when one can broadcast a photo of a sandwich halfway around the world in less than a second, but at the time it was revolutionary. Radio-controlled clocks let Wall Street traders certify stock trades down to the second, and power plants could avoid brownouts caused by out-of-sync switches. Heathkit, a popular manufacturer of hobby electronics kits, even sold an "atomic clock" you could build at home. It wasn't a true "atomic clock" of course, but it did receive a signal from one. Those were high times for time radio.

Then came the internet. And then GPS. The very industries that WWVB helped build suddenly threatened to make it obsolete.

Today, stock traders rely on computerized trading algorithms that measure success in milliseconds, choosing to synchronize their servers with NIST's internet-based time service instead of WWVB. And since GPS satellites carry their own atomic clocks, nearly all of today's time and frequency needs are served from space. For proof, look no further than the phone in your pocket, delivering time beamed down from orbit.

Despite these challenges, Congress thinks NIST's time radio broadcasts are still essential to national infrastructure and recently granted \$16 million for signal enhancements (Lowe says they only used \$100,000 and were proud to return the rest).

WWVB's value might have a lot to do with the type of signal it broadcasts and its location. While most commercial radio waves measure only a few meters between peaks, WWVB's low frequency signal results in a whopping five kilometer wavelength. These long-wavelength signals can reach around the curvature of the planet by clinging to the semi-conductive surface of the Earth. On a clear night, a radio-controlled watch can pick up WWVB's 60 kHz signal as far away as Patagonia or New Zealand.

The electromagnetic weirdness doesn't stop there. Large wavelengths require large broadcast antennas, and NIST's signal relies on a wire mesh suspended over their 400 acre antenna field. The soil chemistry beneath the antenna grid outside Fort Collins, Colorado is highly alkaline, which makes it a good conductor for electricity. Because it conducts so well, NIST can actually use the Earth as part of their antenna.



WWVB's four north towers supporting the broadcast antenna wires in the center. Credit: NIST

The ability to put out a continent-spanning time broadcast, Lowe explains, is what has kept WWVB going this long. Inexpensive clock radios and wristwatches, marketed as "atomic clocks", could be set each night by NIST's master signal. Yet despite this promise, radio-controlled timekeeping these days is mostly relegated to nightstand novelties.

But Lowe thinks that NIST's time radio will continue to find new uses. "Imagine all the alarm clocks in a hotel," Lowe explains. "They are notoriously wrong." WWVB's newly amped up time signals can penetrate buildings with ease — something that can't be said for GPS.

Lowe foresees a new world of applications for his time broadcast. Out of sync traffic lights will keep traffic flowing. Sprinkler systems will be immune to Daylight Savings errors, conserving water and avoiding penalties caused by watering during prohibited times. The eternally imminent "wired home of the future" will rely on every appliance and electronic device knowing exactly what time it is, and Lowe insists the days of clocks blinking "12:00" could be a thing of the past.

Despite these possibilities, it remains to be seen if WWVB can stay ahead of ever-cheaper GPS technologies.

The time-impaired should rest assured that even the folks behind WWVB don't always keep perfect time. WWVB broadcast engineer Matt Deutch admits he is sometimes late. "But I know exactly how late I am," he said.

The ubiquity of mobile phones means that most people now look to their pocket or purse instead of their wrist when asked for the time. As essential as time is to their lives, most Americans simply don't think about, where it comes from, only that it's always there. When it comes to keeping Americans on schedule, WWVB has quietly succeeded for half a century. As for what the future holds, only time will tell.

(Source: Wired.com via Shortwave DX-ing from Bulgaria, July 3rd, 2013)

SWL / Media Programs in English, German & Spanish

March 31st – Oct.26th, 2013 – V6 As of August 4th, 2013

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eMail: <mail@wwdxc.de> URL: <http://www.wwdxc.de>

DX & Media news, receiver reviews, radio features, letterbox programmes, tuning tips, propagation, satellites, computers, amateur radio and radio theory.

2nd Figures behind language symbols En, Ge or Sp, indicate weeks of the month. Times and days in UTC.

STL – Satellite transmission. drm = DRM – digital mode

Monday

0005 REE Madrid, Sp, Amigos de la O.C. –
9535 9620 9630drn 11815drn 15160 LatAM

0045 WRMI, Sp, Viva Miami – 9955

0100 WHRI, E, DXwCumbre – 5920

0110 RHC Habana, E – 6000 6165

0135 RHC Habana, Sp, En Contacto –
6060 6100 9810 11680 11760 11840
15230 17705 LatAM

0200 WHRI, E, DXwCumbre – 5920

0200 RRI Bucharest, Sp – 9520 9645 11945 11955

0210 RHC Habana, E – 6000 6165

0310 RHC Habana, E – 6000 6165

0400 WHRI, E, DXwCumbre – 11635

0410 RHC Habana, E – 6000 6165

0430 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR

0510 RHC Habana, E – 5040 6010 6060 6125 6165

0630 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR

0610 RHC Habana, E – 6010 6060 6125 6165

0730 Radio NZL Internat., E, biweekly –
11725 9890drn PAC Tonga

1030 AIR Delhi, E, "Faithfully Yours" 1053 7270
13605 13695 15030 15410 17510 17895

1100 WRMI, E, AWR Wavescan – 9955

1130 Radio NZL Internat., E, biweekly –
9700 9890drn PAC Timor

1130 WRMI, Sp, Viva Miami – 9955

1145 WWCR Nashville, E, Australian DX report – 15825

1315 WRMI, Sp, Viva Miami – 9955

1330 Radio NZL Internat., E, biweekly – 6170 PAC

1400 Voice of Russia Moscow, G – 693

1425 AIR Delhi, E, "Faithfully Yours" 9690 11620 13710

1500 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR

1630 Radio NZL Internat., E, biweekly –
7330 6135drn PAC Cook Isls

1630 Amateur Radio Mirror, via Sentec, E – 3230 7082usb

1800 Radio Belarus Minsk, G – 7255 11730

1830 AIR Delhi, E, "Faithfully Yours" 7410 7550
9950drn 11580 11670 11935 13695 17670

1830 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR

1900 Radio Belarus Minsk, G – 7255 11730

2100 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR

2100 WWCR Nashville, Sp, Frecuencia al Dia – 6875

2120 AIR Delhi, E, "Faithfully Yours"
7550 9445 9910 9950drn 11620 11670 11740

2130 RAE Buenos Aires, G – 9690 15345

2330 AIR Delhi, E, "Faithfully Yours"
6055 9690 9705 11645drn 11710 13605

Tuesday

0015 WRMI, Sp, Viva Miami – 9955

0130 WRMI, Sp, Frecuencia al Dia – 9955

0300 WRMI, Port, Encontro DX – 9955

0330 Radio NZL Internat., E, biweekly –
15720 17675drn PAC

0430 WHRI, E, DXwCumbre – 11635

0600 Radio Belarus Minsk, G – 6005 Kall relay

0700 Radio Belarus Minsk, G – 6005 Kall relay

1100 WRMI, E, World of Radio – 9955

1230 Radio Australia, E, Future Tense technology –
5995 6080 6140SNG 6150 9475 9580
11945 12065 PAC / AS

1500 Voice of Russia Moscow, G DX-Klub – 693

1832 BBCWS "Click": Online UK DAB etc. livestream Online

1900 RRI Bucharest, Sp – 9665 11805

1930 RHC Habana, E – 11760 No/Ce/SoAM omni-dir

2100 RRI Bucharest, Sp – 15300 17745

2130 RAE Buenos Aires, G – 9690 15345

2250 RAE Buenos Aires, Sp,
Suplemento de Actualidad DX – 6060 15345

2300 RRI Bucharest, Sp – 9655 9740 11795 11955

2330 RHC Habana, E – 5040 Banda Tropical

2330 RHC Habana, E – 11880 AF

Wednesday

0130 RHC Habana, E – 6000 6165 USA/CAN

0132 BBCWS "Click": livestream Online, UK DAB etc.

0200 RRI Bucharest, Sp – 9520 9645 11945 11955

0230 RHC Habana, E – 6000 6165 USA/CAN

0300 WRMI, Sp, La Rosa de Tokio – 9955

0330 RHC Habana, E – 6000 6165 USA/CAN

0430 WHRI, E, DXwCumbre – 11635

0430 RHC Habana, E – 6000 6165 USA/CAN

0530 RHC Habana, E – 5040 6010 6060 6125 6165

0630 HLR Goehren-Germany, E, World of Radio – 7265cusb

0630 RHC Habana, E – 6010 6060 6125 6165 USA/CAN

0832 BBCWS "Click": livestream Online, UK DAB etc.

1100 WRMI, E, AWR Wavescan – 9955

1232 BBCWS "Click": SW EaAS 5875 6195 9740 11750

1245 Voice of Turkey, E, Letterbox – 15450

1300 WRMI, Sp, Viva Miami – 9955

1430 HLR Goehren-Germany, E, World of Radio – 7265cusb

1530 BBC R4, The Media Show, E –
LW 198, MW, FM, DAB, STL, livestream Online

1600 Voice of Russia Moscow, G – 693
Livestream online

1630 HLR Goehren-Germany, E, World of Radio –
15785cusb [test on Wed 1630 or Thur 1530 UT]

1645 Voice of Turkey, E, Letterbox – 15520

1750 Vatican Radio, E, "Communications Update" –
11625 13765 15570

1820 Polskie Radio, E, Multitouch –

WRN STL EUR. WRN1

6060 15345

1825 RAE Buenos Aires, E, Dxers Special – 15345v
 1845 Voice of Turkey, E, Letterbox 9785
 1900 WINB Red Lion PA USA, E, Wavescan – 13570
 2000 Voz da Rússia, Moscou, Port, Onda DX – 6155drm
 2020 Vatican Radio, E, "Communications Update" –
 11625 13765
 2045 Voice of Turkey, E, Letterbox – 7205
 2055 Polskie Radio, E, Multitouch – STL
 2215 Voice of Turkey, E, Letterbox – 9830
 2320 Polskie Radio, E, Multitouch – WRN STL EUR. WRN1

Thursday

0000 Voz de Russia, Moscú, Sp, "Rincon DX" –
 12060gav 12155gav[9400gav]
 0000 WRMI, It, Studio DX – 9955
 0200 Voz de Russia, Moscú, Sp, "Rincon DX" –
 12060gav 12155gav[9435gav]
 0225 RAE Buenos Aires, E, Dxers Special – 11710
 0300 WRMI, E, AWR Wavescan – 9955
 0315 Voice of Turkey, E, Letterbox – 6165 9515
 0330 WRMI, E, World of Radio – 9955
 0330 WHRI, E, DXwCumbre – 9825
 0400 Voz de Russia, Moscú, Sp, "Rincon DX" –
 12060gav 12155gav[9435gav] 15760tjk
 0520 Vatican Radio, E, "Communications Update" –
 13765 15570
 0650 Vatican Radio, E, "Communications Update" –
 11625 13765 15570
 0730 CRI Beijing, Sp, DX – 15135kas
 1100 WRMI, Sp, Frecuencia al Dia – 9955
 1223 Polskie Radio, E, Multitouch – STL
 1315 WRMI, Sp, Viva Miami – 9955
 1500 Voice of Russia Moscow, G DX-Klub – 693
 1700 Radio 700 Medienmagazin, G **1st / 3rd** –
 FM, livestream
 2000 Voz de Russia, Moscú, Sp, "Rincon DX" – 6155drm
 2100 WTWW, E, World of Radio – 9479 first airing
 2100 Voz da Rússia, Moscou, Port, Onda DX – 6155drm
 2200 Voz da Rússia, Moscou, Port, Onda DX –
 12060gav

Friday

0315 WRMI, E, AWR Wavescan – 9955
 0328 WWRB, E, World of Radio – 5050
 0345 WRMI, Sp, Viva Miami – 9955
 0355 Polskie Radio, E, Multitouch – STL
 0430 WHRI, E, DXwCumbre – 9825
 0655 Polskie Radio, E, Multitouch – STL
 1100 WRMI, Sp, Historias de Radio – 9955
 1230 Radio Australia, E, Download This Show –
 5995 6080 6150 9475 9580 11945 12065
 1530 BBC R4, Feedback, E –
 LW 198, MW, FM, UK DAB, STL, livestream Online
 1825 RAE Buenos Aires, E, Dx Supplement – 15345v
 1940 R Taiwan Int, G, ADDX DX px, **2nd** – 6185wof
 2035 Radio NZL Internat., E, Mailbox, biweekly –
 11725 11675drm PAC Samoa, Niue, Tonga
 2100 WWCN Nashville, Sp, Frecuencia al Dia – 6875
 2130 RAE Buenos Aires, G – 9690 15345
 2140 R Taiwan Int, G, ADDX DX px, **2nd** – 3965iss
 2250 RAE Buenos Aires, Sp, Suplemento de Actualidad DX –

Saturday

0130 WBCQ, E, Allan Weiner Worldwide, Area 51, –
 5110cusb
 0200 WRMI, E, – Media Network Plus, PCJ Radio –
 last Sat of the month, 9955
 0225 RAE Buenos Aires, E, Dx Supplement – 11710
 0300 WRMI, Sp, Historias de Radio – 9955
 0400 WHRI, E, DXwCumbre – 11635
 0430 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR
 0510 NHK R Japan Tokyo, Media Watch, E – **3rd** or **4th** Sat
 5975wof 11970iiss
 0605 WWCN Nashville, E, Into Tomorrow – 4840
 0630 HLR via Goehren-Germany, E, World of Radio –
 7265cusb
 0630 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR
 0825 KBS World Radio Seoul, E, mailbag show –
 9570 AS
 0832 BBCWS "Over to You": livestream Online, UK DAB etc.
 0900 WRN EUR, E, World of Radio
 0905 SWRinfo, G, Medien – FM, DAB+, STL Astra
 1010 NHK R Japan Tokyo, Media Watch, E – **3rd** or **4th** Sat
 9625
 1100 WRMI, E, AWR Wavescan – 9955
 1110 KBS World Radio, Sp, Antena de la Amistad
 – 11795 SoAM/CeAM
 1145 Voice of Turkey, G, fortnightly – 13760
 1210 NHK R Japan Tokyo, Media Watch, E – **3rd** or **4th** Sat
 11740sng
 1227 RRI Bucharest, G – 9675 11875
 1241 Voice of Turkey, E, fortnightly – 15450
 1255 KBS World Radio Seoul, E, mailbag show – 6095 AS
 1300 WRMI, E, AWR Wavescan – 9955
 1305 WDR5 Cologne, Medienmagazin, G – FM, STL, DAB-S
 1325 KBS World Radio Seoul, E, mailbag show –
 9570 AS 15575 AM
 1400 WRN AF/AS Af/ME/As/Pac Afristar Asiastar, E, –
 Media Network Plus, PCJ Radio
 1410 NHK R Japan Tokyo, Media Watch, E – **3rd** or **4th** Sat
 11705pal 15735tac
 1425 KBS World Radio Seoul, E, mailbag show – 9640 AS
 1430 HLR Goehren-Germany, E, World of Radio – 7265cusb
 1500 WRMI, E, World of Radio – 9955
 1500 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR
 1504 SR2 Saarebruck, Medienwelt, G –
 FM, STL Astra ADR, DAB-S
 1505 DeutschlandFunk Cologne, G, Media Magazine
 1545 WRMI, Sp, Viva Miami – 9955
 1600 WWCN Nashville, E, Electronic DX Press – 12160
 1600 Radioeins, Rundfunk Berlin-Brandenburg (rbb), G,
 Medienmagazin – FM, DAB+, STL Astra digital
 1600 Voice of Russia Moscow, G – 693
 1615 WWCN Nashville, E, Ask WWCN – 12160
 1625 KBS World Radio Seoul, E, mailbag show –
 9515 9640 AS
 1630 WWCN Nashville, E, AWR Wavescan – 12160
 1630 Voice of Turkey, Sp – 11930
 1641 Voice of Turkey, E, fortnightly – 15520
 1700 Radio Belarus Minsk, G – 7255 11730
 1730 Voice of Turkey, G, fortnightly – 11835
 1800 WTWW, E, QSO Radio Show Ted Randall – 9479

1800 Radio Belarus Minsk, G – 7255 11730
 1810 NHK R Japan Tokyo, Media Watch, E – **3rd** or **4th** Sat
 11885mey
 1811 RRI Bucharest, G – 5920drm 7425
 1825 KBS World Radio Seoul, E, mailbag show –
 7275 AS
 1830 WHRI, E, DXwCumbre – 21630-irreg.
 1830 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR
 1841 Voice of Turkey, E, fortnightly – 9785
 1900 Radio Belarus Minsk, G – 7255 11730
 1930 T8WH Palau, E, DXwCumbre – 9930-irreg.
 2041 Voice of Turkey, E, fortnightly – 7205
 2051 KBS World Radio Seoul, G – 3955wof EUR
 2100 HCJB Quito, G – 3995 FPI7365 Weenermoor EUR
 2115 KBS World Radio Seoul, E, mailbag show – 3955wof EUR
 2115 REE Madrid, E, Radio Waves – 9650-irreg. EUR / AF
 2130 WRN NoAM stream, E, RRI Bucharest, DX Mailbag
 2211 Voice of Turkey, E, fortnightly – 9830
 2225 KBS World Radio Seoul, E, mailbag show – 11810 EU
 2230 WRMI, E, AWR Wavescan – 9955
 2250 BBCWS "Over to You": livestream Online, UK DAB etc.
 2300 Radio 700 Medienmagazin, G **1st** / **3rd** – livestream
 2315 WRMI, Sp, Viva Miami – 9955
 2330 WTWW, E, World of Radio – 9930
 2330 RHC Habana, E – 5040 Banda Tropical

Sunday

0015 REE Madrid, E, Radio Waves – 6055
 0100 Voice of Turkey, Sp – 9770 9870
 0100 Voz de Russia, Moscú, Sp, "Rincon DX" –
 12060gav 12155gav[9435gav]
 0110 KBS World Radio, Sp, Antena de la Amistad –
 9605hri 11810
 0130 RHC Habana, E – 6000 6165 USA/CAN
 0145 WRMI, Sp, Viva Miami – 9955
 0150 BBCWS "Over to You": livestream Online, 198LW DAB
 0200 WHRI, E, DXwCumbre – 5920
 0210 KBS World Radio, Sp, Antena de la Amistad
 – 15575 NoAM
 0225 KBS World Radio Seoul, E, mailbag show –
 9580 9690 AS
 0300 WHRI, E, DXwCumbre – 9825
 0311 Voice of Turkey, E, fortnightly – 6165 9515
 0330 RHC Habana, E – 6000 6165 USA/CAN
 0350 BBCWS "Click": livestream Online, UK DAB
 0400 WTWW, E, World of Radio – 5830
 0400 WHRI, E, DXwCumbre – 11635
 0450 BBCWS "Over to You": livestream Online,
 198LW UK DAB etc.
 0500 WWCN Nashville, E, Into Tomorrow – 4840
 0510 NHK R Japan Tokyo, Friends Around the World, E –
 5975wof 11970iss
 0530 RHC Habana, E – 5040 6010 6060 6125 6165
 0600 WWCN Nashville, E, Into Tomorrow – 4840
 0600 Radio Belarus Minsk, G – 6005 Kall relay
 0644 Inforadio, Rundfunk Berlin-Brandenburg (rbb), G,
 Medienmagazin – FM, DAB+, STL Astra digital
 0700 Radio Belarus Minsk, G – 6005 Kall relay
 0730 HLR Goehren-Germany, E, World of Radio – 15785cusb
 0800 Amateur Radio Mirror, via Sentec, E –
 7082usb 7205 17660
 0803 SWRinfo, G, Medien – FM, DAB+, STL Astra digital
 0830 WRN NoAM livestream, E, – World of Radio
 0900 WRN EUR, E, – Media Network Plus, PCJ Radio

0900 Radio 700 Medienmagazin, G **1st** / **3rd** –
 6005 7310, FM, livestream
 0912 Radio NZL Internat., E, Mediawatch –
 9700 9890drm PAC
 0945 WWCN Nashville, E, Ask WWCN – 4840
 1000 WHRI, E, DXwCumbre – 7385-irreg.
 1010 NHK R Japan Tokyo, Friends Around the World, E –
 9625
 1030 WRMI, E, AWR Wavescan – 9955
 1030 HLR Goehren-Germany, E, World of Radio – 15785cusb
 1050 BBCWS "Over to You": livestream Online, UK DAB
 6195 9740 15285 17760 21660
 1115 WRMI, Sp, Viva Miami – 9955
 1132 BBCWS "Click": livestream Online, UK DAB
 1144 Inforadio, Rundfunk Berlin-Brandenburg (rbb), G,
 Medienmagazin – FM, DAB+, STL Astra digital
 1205 REE Madrid, Sp, Amigos de la O.C. – 13720drm EUR
 21610 ME 21515 / 21540 AF 11910 PHL
 5970 11815 LatAM
 1205 BR5 Munich, Medienmagazin, G –
 FM, STL Astra digital, DAB+, Livestream
 1210 NHK R Japan Tokyo, Friends Around the World, E –
 11740sng
 1230 WHRI, E, DXwCumbre – 7385-irreg.
 1330 WHRI, E, DXwCumbre – 9840-irreg.
 1335 RHC Habana, Sp, En Contacto –
 9540 11690 11750 11760 11860 13780
 15230 15340 17580 17730 LatAM
 1400 WRN AF/AS/PAC stream, E, World of Radio
 1410 NHK R Japan Tokyo, Friends Around the World, E –
 11705pal 15735tac
 1415 WRMI, Sp, Viva Miami – 9955
 1430 HLR Goehren-Germany, E, World of Radio – 15785cusb
 1530 AWR Wavescan Asia, E, CHN/IND – 15335nau
 1600 AWR Wavescan Asia, E, AS/IND – 15360 15670
 1632 SWRinfo, G, Medien – FM, DAB+, STL Astra digital
 1730 WRN NoAM SiriusXM, E - Media Network Plus, PCJRadio
 1805 Polskie Radio, E, Multitouch –
 WRN STL EUR. WRN1
 1810 NHK R Japan Tokyo, Friends Around the World, E –
 11885mey
 1810 KBS World Radio, Sp, Antena de la Amistad
 – 9740 EUR/ME/NE//AF
 1830 HLR Goehren-Germany, E, World of Radio – 15785cusb
 1900 RRI Bucharest, Sp – 9665 11985
 1900 Radio Cairo, G, Letterbox – 11560
 1902 BBC R4, Feedback, E – LW 198, MW, FM, DAB,
 STL, livestream Online
 1910 RHC Habana, E, DXers Unlimited –
 11760 No/Ce/SoAM omni-dir
 1930 T8WH Palau DXwCumbre – 9930-irreg.
 1935 BR5 Munich, Medienmagazin, G –
 FM, STL Astra, DAB-S, Livestream
 2100 RRI Bucharest, Sp – 15300 17745
 2130 WHRI, E, DXwCumbre – 9490
 2230 AWR Wavescan Asia, E, INS/PAC/AS – 15320
 2240 RHC Habana, Sp, En Contacto – 17720 Europa
 5040 9710 9810 11840 17705 LatAM
 2250 BBCWS, "Over to You", E – livestream Online, UK DAB
 2300 RRI Bucharest, Sp – 9655 9740 11795 11955
 2310 RHC Habana, E – 5040 Banda Tropical
 2310 RHC Habana, E, DXers Unlimited – 11880 AF
 2330 WTWW, E, World of Radio – 9930
 2330 AWR Wavescan Asia, E, VTN/AS – 17650

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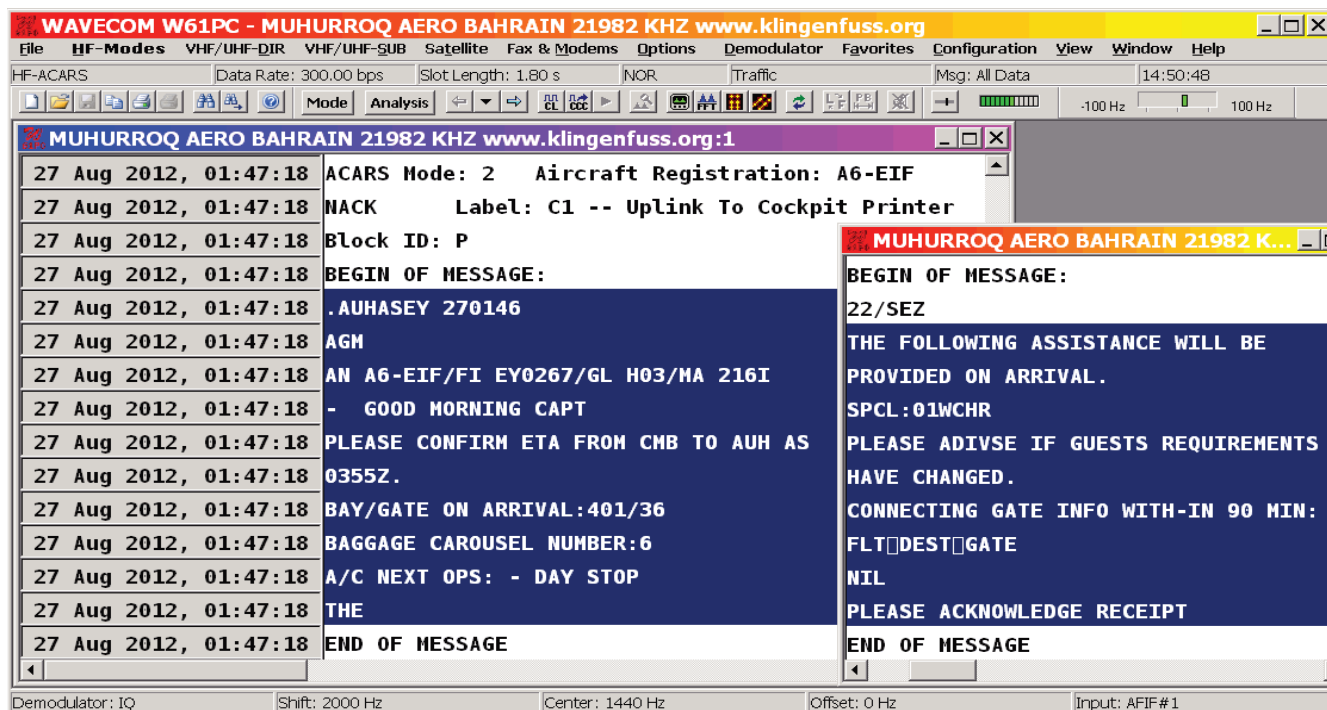
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