

## Stations logged from Newfoundland by Jean Burnell in 2010

6 to 14 November, from Cappahayden NL (with John Fisher and Jim Renfrew): receiver: Microtelecom Perseus; antennas: 500 m North (10°); 600 m South (162°)

freq	country	station	location	UTC date	from	peak SINPO
177	Germany	Deutschlandradio Kultur	Oranienburg / Zehlendorf	2010.11.07	0058	35354
207	Germany	Deutschlandfunk	Aholming	2010.11.07	2200	24353
207	Ukraine	Ukrainian Radio 1	Kyiv	2010.11.11	2000	23342
252	Ireland	RTE Radio 1	Clarkestown	2010.11.07	0059	33353
261	Russia	Radio Rossii	Taldom	2010.11.06	1959	24343
530	Cuba	Radio Enciclopedia	La Habana	2010.11.13	0457	34343
531	Algeria	Radio Algérienne	F'Kirina	2010.11.10	2159	33443
540	Canada	CBGA1	New Carlisle QC	2010.11.13	2300	22342
540	Grenada	Grenada Broadcasting Corp.	St. George's	2010.11.13	0900	32332
540	Hungary	Kossuth Radio	Solt	2010.11.10	0328	43443
540	USA	WFLF	Pine Hills FL	2010.11.11	0930	32332
549	Russia	Radio Mayak	synchros	2010.11.07	2029	23342
549	Slovenia	Radio Slovenija 1	Beli Kriz	2010.11.09	0025	32432
550	Uruguay	CW1 Radio Colonia	Colonia	2010.11.13	0735	34343
550	USA	WGR	Buffalo NY	2010.11.13	0936	32432
550	Venezuela	YVKE Mundial	Caracas	2010.11.09	0900	33333
555	St. Kitts & Nevis	ZIZ Radio	Basseterre, St. Kitts	2010.11.09	0759	35343
558	India	All India Radio	Mumbai	2010.11.10	2353	13321
558	Spain	RNE Radio 5	Valencia VA	2010.11.10	0625	22321
558	Spain	RNE Radio 5	La Coruña GA	2010.11.10	0625	33333
560	Brazil	ZYK761 Rádio Paulista AM (tent)	Santa Isabel SP	2010.11.12	2343	23322
560	Brazil	ZYH887 Rádio Educadora do Maranhão	São Luís MA	2010.11.13	2127	33343
560	Venezuela	YVRH Radio Nacional de Venezuela	Ciudad Guayana	2010.11.07	0928	33333
567	Russia	Radio Rossii	Volgograd	2010.11.10	0330	23322
567	Spain	RNE Radio 5	Murcia MU	2010.11.11	0625	23322
576	Spain / Canary Is.	RNE Radio 1	Las Palmas	2010.11.11	0625	33333
576	Germany	SWR Cont. Ra.	Mühlacker	2010.11.11	2100	24333
576	India	All India Radio	Kalavoor / Alappuzha	2010.11.08	0018	22332

580	Brazil	ZYI776 Rádio Boas Novas	Recife PE	2010.11.09	0158	22321
580	Brazil	ZYJ465 Rádio Relójo	Rio de Janeiro RJ	2010.11.12	2340	23322
580	Puerto Rico	WKAQ	San Juan	2010.11.13	0929	33343
580	USA	WDBO	Orlando FL	2010.11.11	0929	23321
594	Iran	IRIB	Shiraz	2010.11.10	0029	23332
600	Brazil	ZYH920 Rádio Mirante AM	São Luís MA	2010.11.13	0457	33333
600	Canada	CKAT	North Bay ON	2010.11.09	0930	23321
603	France	France Info	Lyon	2010.11.10	0330	34344
603	Germany	Oldiestar	Zehlendorf	2010.11.08.	2130	22332
603	Romania	Radio România Actualităţi	Botoshani et al.	2010.11.09	1959	33333
610	Brazil	ZYL268 Rádio Itatiaia	Belo Horizonte MG	2010.11.13	0159	33333
610	Uruguay	CX4 Radio Rural	Montevideo	2010.11.08	0113	23332
610	USA	WIOD	Miami FL	2010.11.13	0932	33323
610	USA	WGIR	Manchester NH	2010.11.13	0959	23332
612	Lithuania	Radio Liberty / Radio Baltic Waves	Vilnius-Viršuliškes	2010.11.09	2159	33333
612	Russia	Radio Mayak	Pedaselga	2010.11.10	0500	23321
612	Spain	RNE Radio 1	Vitória EU	2010.11.10	0625	23332
620	Brazil	ZYH590 Rádio Globo	Fortaleza CE	2010.11.13	0002	22331
621	Iran	IRIB	Bandar Abbas & Birjand	2010.11.10	2030	32332
621	Russia	GTRK Komi	Syktyvkar	2010.11.09	2000	23322
630	Argentina	LS5 Radio Rivadavia	Buenos Aires	2010.11.08	0359	33333
630	Cuba	Radio Progreso	Camagüey	2010.11.10	0959	23333
630	Puerto Rico	WUNO NotiUno	San Juan	2010.11.13	0912	34333
630	Romania	Radio România Actualităţi	Ortisoara	2010.11.14	0016	33433
639	Czech Rep.	Český Rozhlas	Praha	2010.11.07	2200	23332
648	India	All India Radio	Indore	2010.11.10	0022	13331
648	UK / England	BBC European Service	Orfordness	2010.11.09	2300	24332
650	Cuba	Radio Progreso	Ciego de Ávila	2010.11.11	0929	23332
650	Greenland	Kalaallit Nunaata Radioa	Qeqertarsuaq	2010.11.11	0929	22332
660	Colombia	HJJM Radio Auténtica (tent)	Calí	2010.11.09	0832	32442
666	Germany	SWR Cont. Ra.	Rohrdorf	2010.11.11	2100	24333
666	India	All India Radio	New Delhi	2010.11.08	0024	13331
666	UK / England	BBC Radio York	Fulford	2010.11.09	2033	32322
670	Brazil	ZYJ248 Rádio Globo Curitiba	Curitiba PR	2010.11.08	2159	33332

670	Venezuela	YVLL Radio Rumbos	Caracas	2010.11.10	2159	33333
675	Netherlands	Radio Maria	Lopik	2010.11.07	2000	33343
675	Norway	Norsk Rikskringkasting	Røst	2010.11.09	0059	32332
675	Ukraine	Radio Zakarpatske Oblasne	Uzhhorod	2010.11.13	1957	22322
680	Venezuela	YVQR Radio Continente	Cumaná	2010.11.07	0929	32332
690	Brazil	ZYH587 Rádio Dragão do Mar	Fortaleza CE	2010.11.10	2200	33343
690	Brazil	ZYH587 Rádio Shalom	Fortaleza CE	2010.11.13	0458	34343
690	Canada	CBKF1	Gravelbourg SK	2010.11.08	1026	23333
690	Colombia	HJCZ Radio Recuerdos	Bogotá	2010.11.13	0924	23332
690	Cuba	Radio Progreso	Jovellanos	2010.11.13	1000	33333
690	Ecuador	HCJB1 La Voz de los Andes	Pifo	2010.11.13	0912	33323
690	USA	WOKV	Jacksonville FL	2010.11.08	1018	12322
693	Japan	JOAB NHK 2	Toyko	2010.11.08	0948	23333
700	Algeria / Clandestine	R. Nac. Rep. Arabe Saharai Democr.	Rabouni / Tindouf	2010.11.08	1926	24343
700	Argentina	LV3 Radio Córdoba	Córdoba	2010.11.13	0258	33433
700	Brazil	ZYI890 Rádio Globo	Teresina PI	2010.11.13	0359	22332
700	Brazil	ZYK686 Rádio Eldorado	São Paulo SP	2010.11.13	0359	33333
700	Colombia	HJCX W Radio	Calí	2010.11.09	1001	23332
700	Ecuador	HCRS2 Radio Sucre	Guayaquil	2010.11.13	0919	24322
702	France / Monaco	China Radio International	Col de la Madonne	2010.11.09	2159	23343
702	Germany	NDR Info	Flensburg	2010.11.12	0200	23332
702	Iran	IRIB	Kiashahr	2010.11.08	2030	33433
710	Argentina	LRL202 Radio Diez	Buenos Aires	2010.11.13	0801	22322
711	Romania	Radio România Actualităţi	Onceşti / Sighetu Marmatiei	2010.11.09	2200	23323
720	Argentina	LV10 Radio Cuyo	Mendoza	2010.11.13	0800	23322
720	Spain / Canary Is.	RNE Radio 5	Santa Cruz de Tenerife	2010.11.11	0625	23333
720	Greenland	Kalaallit Nunaata Radioa	Simiutaq	2010.11.07	0928	44444
720	India	All India Radio	Chennai	2010.11.11	0012	22421
720	Romania	Radio Romania	small synchros	2010.11.12	1959	23332
720	Venezuela	YVQE Radio Venezuela Oriente	Porlamar	2010.11.12	0929	33333
729	Greece	Elliniki Radiophonia	Athens	2010.11.09	0400	33323
729	Spain	RNE Radio 1	Logroño RI	2010.11.10	0625	33332
729	Spain	RNE Radio 1	Málaga AN	2010.11.11	0625	23332
729	UK / England	BBC Radio Essex	Manningtree	2010.11.09	0100	23321

730	Brazil	ZYI217 Rádio SIM	Vitória ES	2010.11.13	0700	24323
730	Canada	CKDM	Dauphin MB	2010.11.08	1018	34333
730	Colombia	HJCU Cadena Melodía	Bogotá	2010.11.13	0912	23332
730	Cuba	Radio Progreso	Nueva Gerona	2010.11.09	0757	23333
730	Trinidad	Inspirational Radio 730	Port-of-Spain	2010.11.09	0901	23333
740	Cuba	CMKO Radio Angulo	Sagua de Tánamo	2010.11.08	0400	32332
747	Bulgaria	Bulgarian Radio	Petrich	2010.11.07	2159	22322
747	Holland	NOS Radio 5	Zeewolde	2010.11.07	2159	33333
747	Iran	IRIB	Gonbad-e Qabus	2010.11.10	2030	34434
747	Japan	JOIB NHK 2	Sapporo	2010.11.11	0959	14332
750	Cuba	Radio Progreso	Palmira	2010.11.11	0900	22332
756	Germany	Deutschlandfunk	Braunschweig & Ravensburg	2010.11.09	0059	34444
756	UK / England	BBC Radio Cumbria	Carlisle	2010.11.08	2300	22431
756	UK / England	BBC Radio 4	Redruth	2010.11.12	0200	22332
760	Argentina	LU6 Emisora Atlántica	Mar del Plata	2010.11.08	0300	23332
760	Brazil	ZYJ478 Rádio Manchete	Niterói RJ	2010.11.13	0200	22342
760	Colombia	HJAJ RCN	Barranquilla	2010.11.13	0932	33333
760	Puerto Rico	WORA NotiUno	Mayagüez	2010.11.13	0951	33333
760	USA	WVNE	Leicester MA	2010.11.07	2159	23332
760	USA	WEFL	Palm City FL	2010.11.10	1002	22322
764.657	Iran	IRIB	Shahr-e Kord	2010.11.08	2230	23332
765.003	Iran	IRIB	Chabahar	2010.11.09	2029	32332
765	Russia	Radio Rossii	Pedaselga	2010.11.07	2059	33323
765	Saudi Arabia	BSKSA	Qurayyat & Khamasin	2010.11.09	0000	32342
765	Switzerland	RSR Option Musique	Sottens	2010.11.08	2359	33433
766.009	Turkmenistan	Turkmen Radio 2	unknown location	2010.11.09	2000	24332
765	UK / England	BBC Radio Essex	Baker's Wood / Chelmsford	2010.11.08	2359	22432
770	Brazil	ZYI211 Rádio Globo	Cachoeiro de Itapemirim ES	2010.11.08	2158	24333
770	Brazil	ZYJ922 Rádio Atalaia	Aracaju SE	2010.11.13	0658	33323
770	Canada	CHQR	Calgary AB	2010.11.08	1000	21321
770	Colombia	HJJX RCN Bogotá	Bogotá	2010.11.09	0859	33332
770	Uruguay	CX12 Radio Oriental	Montevideo	2010.11.13	0658	33323
770	Venezuela	YVKK Radio Nacional de Venezuela	Valencia	2010.11.09	0758	22332
774	Egypt	Middle East Radio	Abis	2010.11.09	1959	33333

774	India	All India Radio	Shimla	2010.11.10	0024	13331
774	Iran	IRIB	Arak	2010.11.08	2030	32332
774	Japan	JOUB NHK 2	Akita	2010.11.11	0915	34433
774	Russia	Radio Mayak	Somovo	2010.11.11	2000	23432
774	UK / England	BBC Asian Network	New Farnley / Leeds	2010.11.09	2200	23332
774	UK	BBC Radio 4	Plymouth & Enniskillen	2010.11.07	2159	22322
780	Argentina	LV8 Radio Libertador	Mendoza	2010.11.13	0914	23332
780	Brazil	ZYI771 Rádio Jornal do Comércio	Recife PE	2010.11.13	0459	23333
780	Brazil	ZYH657 Rádio Difusora	Nova Russas CE	2010.11.13	0700	22332
780	British Virgin Is.	ZBVI Virgin Islands Broadcasting	Roadtown, Tortola	2010.11.11	0159	24332
780	Mexico	XEMTS Radio Fórmula	Tampico TM	2010.11.13	0929	23322
780	Paraguay	ZP70 Radio Primero de Marzo	Asunción	2010.11.09	0829	34333
780	USA	WBBM	Chicago IL	2010.11.10	0330	34333
780	Venezuela	YVMN Radio Coro	Coro	2010.11.09	0828	34333
780	Venezuela	YVOD Ecos del Torbes	San Cristóbal	2010.11.13	0932	22322
783	Germany	MDR-Info	Liepzig / Wiederau	2010.11.07	2129	33333
783	India	All India Radio	Chennai	2010.11.11	0023	13321
783	Mauritania	Radio Mauritanie	Nouakchott	2010.11.10	1959	34343
783	Syria	Syrian Arab Rep. Broadcasting Corp.	Tartus	2010.11.10	2100	33332
790	Brazil	ZYJ316 Rádio Club	Faxinal PR	2010.11.12	2342	23322
790	USA	WAXY	South Miami FL	2010.11.07	1000	33323
801	UK / England	BBC Radio Devon	Barnstaple	2010.11.06	2000	32422
810	Colombia	HJCY Caracol Colombia	Bogotá	2010.11.09	0800	23332
810	Macedonia	Radio Makedonija	Ovce Pole / Skopje	2010.11.12	2000	32342
810	Puerto Rico	WKVM Radio Paz 810	San Juan	2010.11.09	0800	23332
810	Russia	Radio Mayak	Volgograd	2010.11.11	1859	32432
819	India	All India Radio	New Delhi	2010.11.08	0024	13331
819	Korea, North	KCBS Joson Jung-ang Pangsong	Pyongyang	2010.11.09	1958	23332
828	Germany	NDR Info	Hannover	2010.11.07	2100	22332
828	Japan	JOBB NHK 2	Osaka	2010.11.11	0929	23322
828	Netherlands	Radio Ten Gold	Heinenoord	2010.11.09	1859	33333
828	Russia	Pravoslavnoye Radio <i>(note 1)</i>	Sankt-Petersburg	2010.11.10	0329	24332
828	UK / England	BBC Asian Network	Sedgley / Wolverhampton	2010.11.08	1859	22422
830	Brazil	ZYH905 Rádio Mirante	Imperatriz MA	2010.11.09	0201	23323

830	Brazil	ZYH659 Rádio Pioneira	Forquilha CE	2010.11.12	2300	33343
830	Dominican Republic	HIJB Radio HIJB	Santo Domingo	2010.11.11	0100	23322
837	Iran	IRIB	Habibabad	2010.11.07	2029	33333
837	Japan	JOQK NHK 1 (tent)	Niigata	2010.11.11	0929	13321
837	UK / England	BBC Radio Cumbria	Barrow in Furness	2010.11.09	0230	22332
837	UK / England	BBC Asian Network	Freemen's Common / Leicester	2010.11.09	1859	33333
837	Ukraine	Ukrainian Radio	Taranivka / Kharkiv	2010.11.11	2130	33333
840	Argentina	LV9 Radio Salta	Salta	2010.11.13	0759	33333
840	Brazil	ZYK687 Rádio Bandeirantes	São Paulo SP	2010.11.08	0157	33333
840	Brazil	ZYH447 Rádio Excelsior da Bahia	Salvador BA	2010.11.12	2159	33343
840	Cuba	CMKC Radio Revolución	Palma Soriano	2010.11.13	0400	22322
840	Haiti	4VEF Radio 4VEH	Cap-Haïtien	2010.11.13	0359	23322
840	Venezuela	YVMY 840-AM	Barquisimeto	2010.11.13	1010	33332
846	India	All India Radio	Ahmedabad	2010.11.10	0020	23332
846	Iran	IRIB	Mianeh	2010.11.06	2000	22322
846	Russia	Programa Podmoskovje	Noginsk	2010.11.09	0300	24333
850	USA	WTAR	Norfolk VA	2010.11.11	0930	32332
850	USA	WFTL	West Palm Beach FL	2010.11.13	0959	33343
850	Venezuela	YVZC Radio Fé y Alegría	Maracaibo	2010.11.08	0937	23332
855	Romania	Radio România Actualități	Bucuresti / Tancabesti	2010.11.08	2359	34343
855	Spain	RNE Radio 1	Santander CT	2010.11.11	0625	32332
855	Spain	RNE Radio 1	Pontevedra GA	2010.11.11	0625	32332
860	Brazil	ZYH592 Rádio Cidade	Maracanaú CE	2010.11.10	2156	44444
860	Brazil	ZYJ459 Rádio CBN	Rio de Janeiro RJ	2010.11.13	0657	43443
860.995	Cuba	Radio Reloj	Jovellanos	2010.11.07	0958	23432
860	St. Kitts & Nevis	Voice of Nevis	Bath Village, Nevis	2010.11.13	0917	33333
864	Armenia	Radio Liberty	Gavar	2010.11.07	0158	33323
864	France	France Bleu	Paris	2010.11.08	2359	34443
870	Argentina	LRA1 Radio Nacional	Buenos Aires	2010.11.08	0113	33333
870	Brazil	ZYH499 Rádio Boa Nova	Juazeiro BA	2010.11.13	0100	23322
870	Cuba	Radio Reloj	Bucito & Baracoa	2010.11.09	0929	34444
870	Dominican Republic	HIVG Radio La Vega	La Vega	2010.11.08	2202	33323
870	Puerto Rico	WQBS La Gran Cadena QBS	San Juan	2010.11.10	2159	24333
873	Iran	IRIB	Kalibar & Sari	2010.11.09	2030	33332

873	Russia	Radio Rossii	synchros	2010.11.09	0359	33333
880	Brazil	ZYL275 Rádio Inconfidência	Belo Horizonte MG	2010.11.09	0156	34434
880	Cuba	Radio Progreso	Pinar del Río	2010.11.11	0900	22322
880	Venezuela	YVYM Radio Venezuela	Puerto Ordaz	2010.11.09	0800	22322
882	Iran	IRIB	Mahabad	2010.11.11	2000	22432
882	Russia	Radio Mayak	Stavropol	2010.11.11	2030	21421
882	Sri Lanka	Trans-World Radio	Puttalam	2010.11.07	2329	32322
882	UK / England	BBC Wales	Washford	2010.11.07	0058	44444
890	Brazil	ZYH706 Rádio Clube	Brasília DF	2010.11.08	0200	34333
890	Brazil	ZYK690 Rádio Gazeta	São Paulo SP	2010.11.13	0400	13322
890.112	Colombia	HJCE Radio Continental	Bogotá	2010.11.09	0258	23332
890	Cuba	Radio Progreso	Chambas	2010.11.11	0900	24332
891	Iran	IRIB	Yasuj / Deh Dasht	2010.11.07	2029	23332
891	Netherlands	Radio 538	Hulsberg	2010.11.11	1959	33333
900	Barbados	CBC Radio 900	Bridgetown	2010.11.13	0359	33333
900	Brazil	ZYJ591 Rádio Nordeste	Natal RN	2010.11.10	2159	33343
900	Brazil	ZYK742 Rádio Globo	Itapetininga SP	2010.11.13	0500	23343
900	Cuba	Radio Progreso	Cacocum	2010.11.13	0950	33333
900	India	All India Radio	Kadapa	2010.11.10	0024	12331
900	Iran	IRIB	Tehran	2010.11.09	2029	34343
900	Mexico	XEW	México DF	2010.11.13	1019	32332
900	Mexico	XEWB	Veracruz VE	2010.11.13	1019	32332
909.972	Brazil	ZYH645 Rádio Caiçara	Sobral CE	2010.11.12	2300	23322
910	Brazil	ZYN206 Rádio Globo	Juiz de Fora MG	2010.11.13	0159	23332
910	Canada	CKDQ	Drumheller AB	2010.11.08	0930	23322
910	Colombia	HJMY RCN San Andrés	San Andrés	2010.11.09	1000	33322
910	Cuba	CMFA Radio Cadena Agramonte	Camagüey	2010.11.09	1001	33333
910	Venezuela	YVRQ RQ-910	Caracas	2010.11.12	2339	33333
918	India	All India Radio	Suratgarh	2010.11.08	0023	33343
918	Russia	Radio Rossii	Arkhangelsk	2010.11.09	0258	34333
918.03	Slovenia	Radio Slovenia	Domzale / Ljubljana	2010.11.09	2129	33333
920	Brazil	ZYH476 Rádio Educadora Santana	Caetité BA	2010.11.12	2302	22321
920	Brazil	ZYI697 Rádio Maná	João Pessoa PB	2010.11.13	0100	23332
920	Brazil	ZYH519 Rádio Novo Tempo	Salvador BA	2010.11.13	0458	33323

920	Brazil	ZYK584 Rádio Imperador	Franca SP	2010.11.13	0759	24333
920	Cuba	Radio Progreso	Pilón	2010.11.08	1018	13321
920	Venezuela	YVQX Radio Nueva Esparta	Porlamar	2010.11.10	0159	23333
930	Brazil	ZYH646 Rádio Metropolitana	Caucaia CE	2010.11.10	2156	32332
936	India	All India Radio	Tiruchirapalli	2010.11.11	0015	12321
936	Iran	IRIB	Urumiyeh	2010.11.09	0259	24333
936	UK / England	Fresh Radio	Hawes	2010.11.10	0330	23332
940	Brazil	ZYJ453 Super Rádio Brasil	Rio de Janeiro RJ	2010.11.13	2222	34333
940	Canada	CJGX	Yorkton SK	2010.11.10	0959	33333
939.88	Mexico	XEQ	México DF	2010.11.13	0931	23322
940	Puerto Rico	WIPR	San Juan	2010.11.08	2201	32332
940	USA	WINZ	Miami FL	2010.11.13	0917	22322
940	Venezuela	YVNN Radio Punto Fijo	Punto Fijo	2010.11.09	0831	33333
945	China	CNR 1	Jiaohe	2010.11.08	0947	33333
945	China	Heilongliang PBS Rural Service	synchros	2010.11.08	0948	22322
945	Iran	IRIB	Dehgolan	2010.11.09	2029	23332
945	Romania	Radio Romania	Miercurea Ciuc	2010.11.07	2000	22332
945	Russia	Radio Rossii	Novocherkassk	2010.11.07	2000	22332
945	UK / England	Gold	Bexhill-on-Sea	2010.11.07	2259	23322
950	Argentina	LR3 Radio Belgrano	Buenos Aires	2010.11.13	0759	34343
950	Canada	CFAM	Altona MB	2010.11.09	0059	23333
950	USA	WPEN	Philadelphia PA	2010.11.07	0059	32432
950	USA	WTLN	Orlando FL	2010.11.07	0059	33422
950	Venezuela	YVKG Radio Popular	Caracas	2010.11.09	0159	33333
954	Czech Rep.	Český Rozhlas	synchros	2010.11.08	2032	34434
954	India	All India Radio	Najibabad	2010.11.08	0023	33343
960	Bolivia	Radio Santa Cruz	Santa Cruz	2010.11.13	0912	34333
960	Brazil	ZYI216 Rádio Diocesana	Cachoeiro do Itapemirim ES	2010.11.11	0159	23332
960	Brazil	ZYH618 Rádio Cultura dos Inhamuns	Tauá CE	2010.11.12	2359	13322
960	Brazil	ZYK689 Rádio São Paulo	São Paulo SP	2010.11.13	0658	23322
960	Brazil	ZYH241 Rádio Difusora de Alagoas	Maceió AL	2010.11.13	0701	23322
960	USA	KMA	Shenandoah IA	2010.11.11	0959	23322
963	Bulgaria	Radio Horizont	synchros	2010.11.10	2359	33433
963	Bulgaria	Radio Shumen	Shumen	2010.11.12	2100	34423



963	China	Liaoning PBS	Dalian	2010.11.08	0950	23322
963	China	China Radio International	Heihe	2010.11.11	1000	13332
963	Finland	China Radio International	Pori	2010.11.09	0358	54454
963	Spain	Radio Euskadi	Vitória EU	2010.11.12	2359	23342
963	UK / England	Buzz Asia	Lee Bridge Road / London	2010.11.10	2100	23433
970	Brazil	ZYK684 Rádio Hertz <i>(note 2)</i>	Franca SP	2010.11.12	2359	23332
970	Brazil	ZYH451 Rádio Sociedade	Feira de Santana BA	2010.11.13	0201	24322
970	Paraguay	ZP9 970 AM	Asunción	2010.11.09	0802	23322
970	US Virgin Is.	WSTX	Christiansted	2010.11.07	0102	33333
970	USA	WFLA	Tampa FL	2010.11.11	0400	23322
972	China	Harbin PBS (tent)	Harbin	2010.11.08	0947	32322
972	Germany	NDR-Info	Hamburg	2010.11.07	2000	33443
972	Korea, South	HLCA KBS Hanminjok Bangsong	Dangjin	2010.11.11	0958	33333
972	Tajikistan	VOA	Orzu	2010.11.07	2000	32442
972	Ukraine	Ukrainian Radio	Mykolaiv / Kopani	2010.11.07	2000	22332
980	Brazil	ZYH707 Rádio Nacional	Brasília DF	2010.11.13	0459	34343
980	Colombia	HJES RCN Calí	Calí	2010.11.11	0058	34333
980	Cuba	Radio Reloj	Moa	2010.11.07	0000	22322
980	Cuba	CMCK Radio COCO	Sapo	2010.11.09	1000	32332
981	China	CNR 1	Changchun <i>et al.</i>	2010.11.08	0950	23332
981	Greece	ERA Sport	Athens	2010.11.11	2000	24333
981	India	All India Radio	Raipur	2010.11.08	0024	23332
990	Argentina	LRH203 La AM 990	Formosa	2010.11.13	0801	34323
989.786	Brazil	ZYJ596 Rádio Rural	Mossoró RN	2010.11.12	2155	23323
990	Canada	CBW	Winnipeg MB	2010.11.09	0359	22332
990	Canada	CKGM	Montréal QC	2010.11.11	1000	31331
990	India	All India Radio	Jammu	2010.11.11	0024	12321
990	Spain	SER Radio Bilbao	Bilbao EU	2010.11.12	2159	23332
990	UK / Wales	BBC Radio 5 Live	Tywyn	2010.11.07	1900	32442
999	Iran	IRIB	Baneh	2010.11.10	0029	23332
999	Italy	RAI Radio Uno	synchros	2010.11.13	1900	22321
999	Moldova	Radio Pridnestrovye	Maiac / Grigoriopol	2010.11.09	0358	44454
999	UK / England	Magic 999	Longton	2010.11.10	0600	23332
1000	Colombia	HJAQ RCN	Cartagena	2010.11.13	0902	23332

1000	Cuba	CMNM Radio Granma	Manzanillo	2010.11.09	0832	33333
1010	Brazil	ZYK232 Rádio 10-10	Caxias do Sul RS	2010.11.08	0159	23332
1010	Brazil	ZYH625 Rádio CBN	Fortaleza CE	2010.11.10	2157	34444
1010	Brazil	ZYH448 Rádio Bahia	Salvador BA	2010.11.12	0101	33333
1010	Brazil	ZYJ764 Rádio Jaraguá	Jaraguá do Sul SC	2010.11.13	2117	22332
1010	USA	WINS	New York NY	2010.11.11	1000	44444
1017	China	CNR 8	Changchun	2010.11.08	1000	24322
1017	Germany	SWR Cont. Ra.	Mainz / Wolfsheim	2010.11.11	2100	34444
1017	India	All India Radio	Chennai	2010.11.08	0018	13321
1017	UK / England	Gold Digital WABC	Shrewsbury	2010.11.11	2100	21331
1020	Brasil	ZYK202 Rádio Caiçara	Porto Alegre	2010.11.11	0700	33332
1020	Brazil	ZYH247 Rádio Jovem Pan	Maceió AL	2010.11.12	2337	23322
1020.018	Brazil	ZYJ702 Rádio Folha AM	Boa Vista RR	2010.11.13	0930	23322
1020	Brazil	ZYH600 Rádio Educadora Cariri	Crato CE	2010.11.13	2223	24322
1020	Cuba	CMKS Radio Trincheras Antimperialista	Baracoa	2010.11.08	1018	23332
1020	Venezuela	YVRS Mundial Margarita	La Asunción	2010.11.09	0156	33333
1026	Belarus	Belaruskaje Radujo / Kanal Kultura	synchros	2010.11.11	2100	22331
1026	India	All India Radio	Allahabad	2010.11.08	0023	12321
1026	Iran	IRIB	Tabriz	2010.11.09	2000	32332
1026	Russia	Radio Mayak	Porog, Urdoma & Nyandoma	2010.11.07	2100	22321
1026	Channel Islands	BBC Radio Jersey	Les Platons / Jersey	2010.11.10	2100	22331
1026	UK / Northern Ireland	Downtown Radio	Knockbracken / Belfast	2010.11.10	2100	22332
1030	Argentina	LS10 Radio Del Plata	Buenos Aires	2010.11.11	0700	24343
1030	Brazil	ZYJ467 Rádio Capital	Rio de Janeiro RJ	2010.11.08	2200	33333
1030	Brazil	ZYI777 Rádio Olinda	Olinda PE	2010.11.12	2348	33333
1030	Brazil	ZYK253 Rádio Repórter	Ijuí RS	2010.11.12	2359	23322
1030	Colombia	HJER RCN Antena 2	Calí	2010.11.08	0159	23332
1035	Estonia	Radio Eli	Tartu	2010.11.09	2058	43343
1035	Iran	IRIB	Yazd	2010.11.07	2030	22331
1035	Korea, South	KBS 1 (tent)	P'ohang	2010.11.08	0954	14321
1035	UK / Scotland	West Sound Radio	Ayr	2010.11.13	2159	23332
1044	India	All India Radio	Mumbai	2010.11.08	0023	12321
1044	Spain	SER Radio Valladolid	Valladolid CL	2010.11.13	1859	32432
1044	Spain	SER Radio San Sebastián	San Sebastián EU	2010.11.13	1859	32432

1050	Cuba	CMLL Radio Victoria	Victoria de las Tunas	2010.11.11	0859	32332
1060	Colombia	HJFJ RCN Caldas	Manizales	2010.11.09	0859	22332
1060.282	Colombia	HJMV Radio Furatena <i>(note 3)</i>	Chiquinquirá	2010.11.11	0900	23332
1060	Cuba	CMDL Radio 26	Jovellanos	2010.11.11	0500	23332
1060	USA	WQOM	Natick MA	2010.11.06	2359	34444
1060	Venezuela	YVOE Radio Noticias	San Cristóbal	2010.11.09	0830	23321
1062	Czech Rep.	Country Radio	Zbraslav	2010.11.07	2059	33332
1062	Denmark	Danmarks Radio	Kalundborg	2010.11.07	1642	15342
1062	Iran	IRIB	Kerman	2010.11.09	0229	24443
1070	Brazil	ZYI673 Rádio Cajazeiras	Cajazeiras PB	2010.11.10	2158	33333
1070	Brazil	ZYI427 Rádio Industrial	Cuiabá MT	2010.11.12	2331	23312
1070	Colombia	HJCG Radio Santa Fé	Bogotá	2010.11.09	1000	33333
1070	Cuba	CMKS Radio Trinchera Antimperialista	Guantánamo	2010.11.08	1018	23433
1070	USA	KLIO	Wichita KS	2010.11.11	0916	23322
1070	Venezuela	YVMA Radio Mundial Zulia	Maracaibo	2010.11.09	0957	32322
1071	Iran	IRIB Radio Ma'aref	Qom	2010.11.08	2029	44444
1071	UK / England	TalkSport	Clipstone & Wrekenton	2010.11.09	0000	33433
1080	Brazil	ZYI784 Rádio Jornal	Caruaru PE	2010.11.08	2157	33333
1080	Brazil	ZYI437 Rádio Gaspar	Itiquira MT	2010.11.11	0058	33323
1080	Brazil	ZYK254 Rádio Marabá	Iraí RS	2010.11.12	2359	33333
1080	Iran	VOIRI	Bandar-e Mahshahr	2010.11.08	2030	33332
1080	Spain	SER Radio Huesca	Huesca AR	2010.11.08	2059	33333
1080	Spain	SER Radio Coruña	La Coruña GA	2010.11.13	1859	33433
1081.56	Turkmenistan	Turkmen Radio 1	Serhetabat	2010.11.10	2359	23333
1080	USA	WHIM	Coral Gables FL	2010.11.11	0859	23322
1080	Venezuela	YVQJ Radio Barcelona	Barcelona	2010.11.10	0200	24333
1089	China	Liaoning PBS	Shenyang	2010.11.08	0947	23333
1089	Iran	IRIB	Biarjmand	2010.11.07	2230	21421
1090	Brazil	ZYJ592 Rádio Rural de Natal	Natal RN	2010.11.12	2200	23332
1098	China	CNR 1	Golmud	2010.11.09	2029	23332
1098	China	Tianjin PBS <i>(note 4)</i>	Tanggu, Tianjin	2010.11.11	0928	24323
1098	Saudi Arabia	BSKSA	Dammam	2010.11.07	1959	33443
1098	Slovakia	Radio Devín	Nitra-Járok	2010.11.09	2258	24332
1098	Spain	RNE Radio 5	Lugo GA	2010.11.11	0625	33333

1100	Colombia	HJAT Caracol	Barranquilla	2010.11.09	0929	33333
1100	USA	WZFG	Sabin / Dilworth MN	2010.11.11	0958	33423
1107	Afghanistan	Radio Afghanistan	Kabul	2010.11.08	0027	32332
1107	Germany	Armed Forces Network Power Network	Kaiserslautern	2010.11.07	0401	23322
1110	Argentina	LS1 Radio de la Ciudad	Buenos Aires	2010.11.13	0559	24332
1110	Cuba	CMKO Radio Angulo	Holguín	2010.11.08	0400	13331
1116	Hungary	Radio Miskolc	Miskolc	2010.11.07	2258	22332
1116	India Kashmir	All India Radio	Srinagar	2010.11.09	0119	33323
1116	Iran	IRIB	Ardakan	2010.11.08	2030	33433
1116	Japan	JOAF RNB, Nankai Hoso	Matsuyama	2010.11.08	0929	14332
1116	UK / England	BBC Radio Derby	Burnaston / Derby	2010.11.09	1859	23333
1120	Brazil	ZYK274 Rádio Rural	Porto Alegre RS	2010.11.08	0159	34333
1120	Brazil	ZYH598 Rádio Tupinambá	Sobral CE	2010.11.11	0047	23322
1125	Belarus	Kanal Kultura	Minsk	2010.11.10	2100	33323
1125	Iran	IRIB	Nehbandan	2010.11.08	2030	33332
1130	Brazil	ZYJ460 Rádio Nacional	Rio de Janeiro RJ	2010.11.10	2156	44444
1130	Brazil	ZYI531 Rádio Marajoara	Belém PA	2010.11.13	0459	22321
1130	Canada	CKWX	Vancouver BC	2010.11.08	0930	21331
1134	Iran	IRIB	Kalibar / Bojnurd	2010.11.07	2230	33322
1134	Japan	JOQR NCB, Bunka Hoso	Tokyo	2010.11.08	0949	23332
1134	Korea, South	HLKC KBS 3 / Voice of Love	Hwaseong	2010.11.11	0958	23322
1134	Russia	Radio Mayak	Murmansk	2010.11.09	0259	23332
1134	Spain	COPE Astorga	Peñicas / Astorga	2010.11.09	0024	32332
1140	Brazil	ZYH449 Rádio Cultura da Bahia	Salvador BA	2010.11.13	0702	33323
1140	Cuba	CMIP Radio Surco	Morón	2010.11.11	0059	23323
1140	Mexico	XEMR M-R de Monterrey	Monterrey NL	2010.11.13	0927	22332
1143	India	All India Radio	Rohtak	2010.11.08	0023	23332
1143	Italy	RAI Radio 1	Sassari	2010.11.12	2000	22322
1143	Russia	Radio Mayak	Samara	2010.11.10	0559	24333
1150	Argentina	LT9 Radio Brigadier López	Santa Fé	2010.11.13	0400	33323
1150	Brazil	ZYL283 Rádio Globo	Belo Horizonte MG	2010.11.09	0159	23322
1150	Brazil	ZYI891 Rádio Pioneira	Teresina PI	2010.11.11	0059	23322
1150	Brazil	ZYK656 Rádio Tupi AM	São Paulo SP	2010.11.13	0759	33343
1150	Colombia	HJFP RCN Neiva	Neiva	2010.11.09	1000	12331

1150	Cuba	CMKX Radio Bayamo	Entronque Bueycito	2010.11.10	0900	23332
1150.158	Peru	Radio Frontera <i>(note 5)</i>	Juliaca	2010.11.14	0921	23232
1150	USA	WHBY	Kimberly WI	2010.11.10	0959	34333
1150	USA	WWDJ	Boston MA	2010.11.14	1000	23332
1152	Japan	NHK 2	Kochi & Koshiro	2010.11.08	0948	14322
1152	Spain	RNE Radio 5	Albacete CM	2010.11.11	0625	22322
1152	Spain	RNE Radio 5	Málaga AN	2010.11.11	0625	23332
1152	UK / Scotland	Clyde 2	Dechmont Hill / Glasgow	2010.11.10	0600	24444
1160	Antigua	Caribbean Radio Lighthouse	St. John's	2010.11.11	0159	23343
1160.016	Brazil	ZYI202 Rádio Espíritu Santo	Vitória ES	2010.11.09	0157	24333
1160	Brazil	ZYH714 Rádio Globo	Brasília DF	2010.11.13	0100	23333
1160	Brazil	ZYJ767 Rádio Difusora (tent)	Laguna SC	2010.11.13	0600	14321
1160	Colombia	HJOC Ecos de Colombia	Bogotá	2010.11.14	0959	24322
1160	USA	KSL	Salt Lake City UT	2010.11.08	0930	23322
1160	USA	WYLL	Chicago IL	2010.11.09	0059	23333
1161	UK / England	Magic 1161	Goxhill	2010.11.08	0023	33443
1170	Brazil	ZYL336 Rádio Cidade	Araxá MG	2010.11.08	0259	23332
1170	Brazil	ZYK569 Rádio Bandeirantes	Campinas SP	2010.11.12	2357	23323
1170	Brazil	ZYJ598 Rádio Difusora	Mossoró RN	2010.11.13	0000	23322
1170	Colombia	HJJE RCN Tulúa	Tulúa	2010.11.09	1000	23322
1170	Colombia	HJNW Caracol Colombia <i>(note 6)</i>	Cartagena	2010.11.13	0913	33333
1170	Cuba	CMKS Radio Trinchera Antimperialista	Maisí	2010.11.08	1018	23322
1170	Iran	IRIB	Abadan & Damghan	2010.11.10	2030	33333
1170	Korea, South	HLSR Radio Korea International	Gimje	2010.11.08	0958	33333
1170	Russia	Voice of Russia	Tbilisskoye	2010.11.11	1959	33333
1170	Slovenia	Radio Capodistria	Beli Kriz	2010.11.10	2159	23433
1170	UK / England	Magic 1170	Stockton	2010.11.11	1959	33322
1179	India	All India Radio	Rewa	2010.11.08	0023	22321
1179	Spain	SER Radio Rioja	Logroño RI	2010.11.08	2059	32332
1179	Spain	SER Radio Valencia	Valencia VA	2010.11.13	1859	32432
1180	Brazil	ZYH889 Rádio Capital	São Luís MA	2010.11.13	0102	23332
1180	Brazil	ZYJ463 Rádio Mundial	Rio de Janeiro RJ	2010.11.13	0459	23333
1188	India	All India Radio	Mumbai	2010.11.08	0023	22332
1188	Iran	IRIB Radio Payam	Tehran	2010.11.07	2059	54554

1188	Russia	Radio France International	Sankt-Petersburg	2010.11.07	0400	24322
1188	Russia	Deutsche Welle	Sankt-Petersburg	2010.11.09	0300	23332
1190	Argentina	LR9 Radio América	Buenos Aires	2010.11.08	0159	23333
1190	Colombia	HJCV Radio Cordillera	Bogotá	2010.11.09	0958	22331
1197	Romania	Radio Târgu Mures	Brasov Bod	2010.11.08	1859	32432
1200	Brazil	ZYH585 Ceará Rádio Clube	Fortaleza CE	2010.11.10	2159	44444
1200	USA	WXKS	Newton MA	2010.11.13	0927	33433
1205.974	China	Yanbian PBS	Yanji	2010.11.11	0957	23322
1206	Iran	IRIB	Azna	2010.11.07	2230	21321
1210	Brazil	ZYH452 Rádio Povo	Feira de Santana BA	2010.11.13	0701	23333
1215	Russia / Kaliningrad	Voice of Russia	Bolshakovo	2010.11.10	2259	42442
1215	UK / England	Absolute Radio	synchros	2010.11.10	0559	45555
1220	Brazil	ZYJ458 Rádio Globo	Rio de Janeiro RJ	2010.11.13	0159	45454
1220.043	Colombia	HJKR Radio Maria	Bogotá	2010.11.13	0923	23322
1224	Iran	IRIB	Kerman	2010.11.08	2030	22322
1224	Iran	VOIRI	Kish	2010.11.08	2030	33322
1224	Spain	COPE Lleida	Lleida CA	2010.11.09	0024	32322
1224	Spain	COPE Lugo	Lugo GA	2010.11.09	0024	33333
1230	Brazil	ZYH756 Rádio Daqui	Goiânia GO	2010.11.12	2334	23312
1230	Brazil	ZYJ816 Rádio Guararema	São José SC	2010.11.13	0702	23322
1230	Canada	CFFB	Iqaluit NU	2010.11.10	0559	24343
1230	Canada	CFGN	Port aux Basques NL	2010.11.13	1000	34343
1230	Cuba	Radio Rebelde	unknown location	2010.11.10	0259	12321
1230	Puerto Rico	WNIK Única Radio <i>(note 7)</i>	Arecibo	2010.11.13	0920	33323
1240	Brazil	ZYK653 Rádio Clube	Santos SP	2010.11.12	2346	23322
1240.105	Brazil	ZYL317 Rádio Pirapora <i>(note 8)</i>	Pirapora MG	2010.11.13	0700	13322
1250	Brazil	ZYI218 Rádio Globo	Vitória ES	2010.11.11	0100	23322
1250	Canada	CJYE	Oakville ON	2010.11.10	2358	23332
1250	Colombia	HJCA Radio Capital	Bogotá	2010.11.11	0859	23322
1250	Venezuela	YVPZ La 12-50	Puerto Ordaz	2010.11.14	0158	23322
1251	Iran	IRIB	Kiashahr	2010.11.09	2029	33343
1251	Netherlands	Radio 5	Hulsberg	2010.11.12	2200	23322
1260	Brazil	ZYH596 Rádio Vale do Jaguaribe	Limoeiro do Norte CE	2010.11.12	2300	32332
1260	Puerto Rico	WISO Radio Wiso	Ponce, Agaudilla, Mayagüez	2010.11.09	0900	32332

1260	Russia	BBC	Kurkino & Sankt-Petersburg	2010.11.08	1859	24433
1260	UK / England	Sabras Radio	Freeman's Common / Leicester	2010.11.12	2000	23322
1260	USA	WSUA	Miami FL	2010.11.08	2359	33433
1269	Spain	SER Radio Murcia	Murcia MU	2010.11.13	1859	33433
1270	Brazil	ZYJ768 Rádio Garibaldi	Laguna SC	2010.11.12	2329	23322
1270	Brazil	ZYJ593 Rádio Clube	Natal RN	2010.11.12	2343	23332
1270	Chile	CB127 Radio Festival	Viña del Mar	2010.11.13	0916	32322
1270.038	Argentina	LS11 Radio Provincia de Buenos Aires	La Plata	2010.11.13	0459	23323
1278	Belarus	Belaruskaye Radio 1	Brest	2010.11.10	2100	33333
1278	Japan	JOFR RKB, Mainichi Hoso	Fukuoka	2010.11.11	0958	23322
1278	UK / England	Pulse 2	Tyersal Lane / Bradford	2010.11.07	2300	23322
1280	Puerto Rico	WCMN NotiUno	Arecibo	2010.11.13	0913	33333
1280	USA	WADO	New York NY	2010.11.09	0100	23343
1287	China	CNR 2 <i>(note 9)</i>	Quanzhou	2010.11.09	2230	23332
1287	India / Goa	All India Radio	Panaji	2010.11.07	0024	14322
1287	Japan	JOHR HBC, Hokkaido Hoso	Sapporo	2010.11.08	0929	23323
1287	Spain	SER Radio Lleida	Lleida CA	2010.11.08	2059	32332
1287	Spain	SER Radio Lugo	Lugo GA	2010.11.11	2059	33333
1290	Brazil	ZYH888 Rádio Timbira	São Luís MA	2010.11.13	0800	34433
1290	Brazil	ZYJ310 Rádio Brasil Sul	Londrina PR	2010.11.13	0830	23322
1290	Canada	CFRW	Winnipeg MB	2010.11.10	0259	33333
1290	USA	WJNO	West Palm Beach FL	2010.11.06	2359	23332
1296	Afghanistan	VOA Radio Ashna	Kabul	2010.11.10	2359	34444
1296	Iran	IRIB	Qazvin	2010.11.10	2031	22322
1296	UK / England	Radio XL	Langley Mill / Birmingham	2010.11.12	0157	24332
1300.119	Brazil	ZYH586 Rádio Iracema	Fortaleza CE	2010.11.10	2200	34333
1300	Brazil	ZYK649 Rádio Onda Viva	Presidente Prudente SP	2010.11.13	0829	23333
1300	USA	KGLO	Mason City IA	2010.11.13	0930	23333
1305	India	All India Radio	Parbhani	2010.11.08	0018	13331
1305	Russia	Radio Mayak	Serov	2010.11.09	0259	13331
1305	Spain	RNE Radio 5	Orense GA	2010.11.11	0625	22332
1305	Spain	RNE Radio 5	Ciudad Real CM	2010.11.11	0625	32332
1305.09	Iran	IRIB	Bushehr	2010.11.06	2000	23322
1310	Brazil	ZYI691 Rádio Cidade Esperança	Esperança PB	2010.11.10	2200	33323

1310	Brazil	ZYL359 Rádio Montanheza	Vazante MG	2010.11.13	2120	23322
1314	Armenia	Voice of Russia	Gavar	2010.11.10	0259	23333
1314	Greece	Elliniki Radiophonia	Tripolis	2010.11.07	2329	22321
1314	India	All India Radio	Bhuj	2010.11.10	0024	23332
1314	Spain	RNE Radio 5	Salamanca CL	2010.11.11	0625	34343
1320	Brazil	ZYH597 Rádio Regional	Sobral CE	2010.11.10	2201	33323
1319.944	Peru	OAU7W Radio Perú (tent)	Juliaca	2010.11.09	0929	23332
1320	USA	WLQY	Hollywood FL	2010.11.07	0200	23322
1320	USA	WDER	Derry NH	2010.11.08	1029	34444
1320.003	Venezuela	YVWP Radio Apolo	Turmero	2010.11.13	0915	23333
1323	China	China Radio International	Huadian	2010.11.08	2100	32322
1323	Iran	IRIB	Jolfa	2010.11.09	0230	23422
1323	Romania	Radio Târgu Mures	Târgu Mures	2010.11.08	1900	23321
1330	Brazil	ZYK736 Rádio Terra	São Paulo SP	2010.11.11	0359	23333
1330	Brazil	ZYH468 Rádio Continental	Serrinha BA	2010.11.12	2300	23332
1330	Brazil	ZYJ621 Rádio Eldorado	Natal RN	2010.11.13	0058	23322
1330	USA	WWRV	New York NY	2010.11.11	0800	24333
1332	Czech Rep.	Český Rozhlas	Domamil	2010.11.10	2000	32432
1332	UK / England	BBC Radio Wiltshire	Lacock	2010.11.09	1840	23333
1340	Brazil	ZYH886 Rádio Clube de São Luís	São Luís MA	2010.11.12	2200	23333
1340	Brazil	ZYJ368 Rádio CBN	Cascável PR	2010.11.13	0459	23332
1340	USA	WIRY	Plattsburgh NY	2010.11.13	0937	23323
1340	USA	WMSA	Massena NY	2010.11.13	0951	23322
1350	Argentina	LS6 Radio Buenos Aires	Buenos Aires	2010.11.13	0502	33323
1350	Brazil	ZYL214 Rádio Cultura	Poços de Caldas MG	2010.11.12	2200	23332
1350	Puerto Rico	WEGA <i>(note 10)</i>	Vega Baja	2010.11.13	0913	23322
1350	USA	WOYK	York PA	2010.11.10	0023	23332
1359	China	CNR 1	synchros	2010.11.07	2259	24332
1359	Russia	Radio Mayak	Perm	2010.11.09	0100	24331
1359	Ukraine	Donetska Oblast Radio <i>(note 11)</i>	Dokuchayevsk	2010.11.11	2000	34343
1360	Brazil	ZYJ464 Rádio Bandeirantes	Rio de Janeiro RJ	2010.11.11	0758	23323
1360	Brazil	ZYH469 Rádio Cultura	Paulo Alfonso BA	2010.11.13	0459	33333
1370	Brazil	ZYH555 Rádio Jornal	Monte Santo BA	2010.11.12	2328	22332
1370	Brazil	ZYK766 Rádio Iguatemi	São Paulo SP	2010.11.13	0200	22322



1370	USA	WXXI	Rochester NY	2010.11.13	1000	23322
1375.631	Armenia	Trans-World Radio	Gavar	2010.11.12	1958	44444
1377	China	CNR 1	Xingyang	2010.11.09	2159	33443
1377	Tanzania	Radio Free Africa (tent)	Mwanza	2010.11.09	2300	24332
1377	Ukraine	Ukrainian Radio 1	Chernivtsi	2010.11.11	1959	32332
1380.007	Brazil	ZYI773 Rádio Continental / Nova da Paz	Recife PE	2010.11.10	0204	34333
1380	Brazil	ZYJ831 Rádio Frequencia News	Garopaba SC	2010.11.11	0700	14332
1380	Venezuela	YVNG Ondas del Mar	Puerto Cabello	2010.11.13	0901	23332
1386	Lithuania	VOIRI	Sitkûnai	2010.11.10	1800	24332
1400	Brazil	ZYJ256 Rádio Globo	Londrina PR	2010.11.12	2334	12311
1400	Canada	CBG	Gander NL	2010.11.14	0920	44444
1400	Grenada	Harbour Light of the Windwards	Carriacou	2010.11.11	0159	32332
1404	Iran	IRIB	Dasht	2010.11.10	0029	13321
1404	Romania	Radio Cluj	Sighetu	2010.11.06	1959	33323
1410	Brazil	ZYJ614 Rádio Santa Cruz	Santa Cruz RN	2010.11.10	2200	34443
1410	Brazil	ZYH803 Rádio Bandeirantes	Brasília DF	2010.11.11	0400	23333
1410	Brazil	ZYJ486 Rádio Itaperuna	Itaperuna RJ	2010.11.13	0700	23322
1410	Brazil	ZYK246 Rádio Garibaldi	Garibaldi RS	2010.11.13	2256	23333
1410	Mexico	XECF La Mexicana	Los Mochis SN	2010.11.13	0926	22322
1410	USA	WMSX	Brockton MA	2010.11.09	2200	23332
1410	USA	WENU	South Glens Falls NY	2010.11.13	0932	23332
1413	Japan	JOIF KBC, Kyushu Asahi Hosō	Fukuoka	2010.11.11	0957	23333
1420	Brazil	ZYL288 Rádio Cultura <i>(note 2)</i>	Sete Lagoas MG	2010.11.12	2345	23322
1420	USA	WRSA	St. Albans VT	2010.11.13	0900	23321
1420	USA	WOC	Davenport IA	2010.11.13	0959	22322
1422	Germany	Deutschlandfunk	Heusweiler	2010.11.07	2200	34444
1422	Romania	Radio România Actualități	Olanesti	2010.11.07	2200	22322
1430	Brazil	ZYJ200 Rádio B2	Curitiba PR	2010.11.14	0859	23232
1430	USA	WXNT	Indianapolis IN	2010.11.09	0000	22321
1430	USA	WKOX	Everett MA	2010.11.10	0259	23332
1431	Djibouti	Radio Sawa	Arta	2010.11.10	2300	34433
1431	Ukraine	Ukrainian Radio / Radio Kultura	Kopani	2010.11.08	1859	44434
1440	Brazil	ZYJ469 Rádio Livre	Rio de Janeiro RJ	2010.11.09	0158	22332
1440	Brazil	ZYH466 Rádio Independência	Santo Amaro BA	2010.11.13	0700	23332

1440	Japan	JOWF STV, Sapporo TV Hosoo	Sapporo	2010.11.11	0959	22332
1440	Luxembourg	Radio 86	Marnach	2010.11.07	2159	44454
1440	USA	WRED	Westbrook ME	2010.11.09	0259	33343
1449	Russia	Radio Mayak	Monchegorsk	2010.11.09	0259	13332
1449	UK / Scotland	BBC Radio 4	Redmoss	2010.11.09	2159	23322
1450	USA	WNBP	Newburyport MA	2010.11.08	0100	14321
1458	Albania	China Radio International	Flakë	2010.11.08	2230	33333
1458	Romania	Radio România Actualități	Constanta	2010.11.09	0258	22322
1458	UK / England	BBC Radio Devon	Torbay	2010.11.10	2100	24333
1460.025	USA	WKDV	Manassas VA	2010.11.07	0300	23322
1460	USA	WDDY	Albany NY	2010.11.13	0913	33332
1460	USA	KXNO	Des Moines IA	2010.11.13	0915	23332
1460	USA	WHIC	Rochester NY	2010.11.14	0159	23322
1467	India	All India Radio	Jeypore	2010.11.11	0023	13321
1470	Brazil	ZYI822 Rádio Educadora de Belém	Belém de São Francisco PE	2010.11.13	0659	23322
1470	Venezuela	YVJW Llanerisima 14-70	Valencia	2010.11.11	0358	23322
1470	Venezuela	YVSY Radio Vibración	Carúpano	2010.11.14	0858	33333
1480	Brazil	ZYI825 Rádio Canção Nova	Gravatá PE	2010.11.13	2229	34323
1485	UK / England	Gold 1431/1485	Washwater / Newbury	2010.11.13	2059	23322
1494	China	Xinjiang PBS	synchros	2010.11.08	0101	23332
1500	Brazil	ZYH487 Rádio Jacuípe	Riachão de Jacuípe BA	2010.11.13	0000	33333
1503	Iran	IRIB	Bushehr	2010.11.08	2030	34444
1503	Russia	Family Radio	Kurkino	2010.11.09	2048	33323
1510	Brazil	ZYH608 Rádio Planalto da Ibiapaba	São Benedito CE	2010.11.13	0200	22322
1521	China	China Radio International	Hutubi / Urumqi	2010.11.06	2359	43443
1521	Russia	Radio Mayak	Zapolyarny	2010.11.09	0259	13321
1530	Brazil	ZYH479 Rádio Cultura	Guanambi BA	2010.11.13	0700	23322
1530	Brazil	ZYJ685 Rádio Planalto	Vilhena RO	2010.11.14	0850	23332
1530	UK / England	Pulse 2	Vicars Lot / Huddersfield	2010.11.06	2000	22322
1530	USA	WCKY	Cincinnati OH	2010.11.12	0930	35333
1530	Vatican City	Radio Vaticana	Santa Maria di Galeria	2010.11.11	2029	34333
1539	Djibouti	Radiodif. Vision Djibouti	Djibouti	2010.11.08	1944	34433
1540	Brazil	ZYL217 Rádio Super Difusora	Bom Despacho MG	2010.11.13	0700	23322
1548	Moldova	Voice of Russia	Maiac / Grigoriopol	2010.11.09	0359	33343

1548	UK / England	BBC Radio Bristol	Mangotsfield / Bristol	2010.11.10	2100	23343
1550	Canada	CBE	Windsor ON	2010.11.11	0859	24333
1550	USA	WKBA	Vinton / Roanoke VA	2010.11.07	0559	24433
1557	Iran	IRIB	Zabol	2010.11.10	2030	22332
1557	Taiwan	Family Radio	Kou'hu	2010.11.09	2028	33323
1557	UK / England	BBC Radio Lancashire	Oxcliffe	2010.11.12	2200	32342
1560	Brazil	ZYL256 Rádio Jornal	Leopoldina MG	2010.11.13	0659	23322
1566	Benin	Trans-World Radio	Parakou	2010.11.10	2157	24444
1566	Korea, South	HLAZ Far East Broadcasting Co.	Jeju	2010.11.08	2057	33423
1570	Brazil	ZYJ341 Rádio Club	Nova Aurora PR	2010.11.11	0659	13322
1570.081	Brazil	ZYH496 Rádio Povo <i>(note 2)</i>	Jaguaquara BA	2010.11.13	0003	23322
1570	Brazil	ZYK651 Rádio Emissora ABC	Santo André SP	2010.11.13	0159	23322
1570	Canada	CJLV	Laval QC	2010.11.08	2159	33333
1570	Canada	CKMW	Winkler MB	2010.11.14	0943	23322
1580	Colombia	HJQT Avivaradio <i>(note 12)</i>	Bogotá	2010.11.09	0801	23333
1584	Iran	IRIB	Maku	2010.11.10	2030	33343
1590	Brazil	ZYJ290 Rádio Nova Cultura	Andirá PR	2010.11.13	0559	22321
1590	Brazil	Rádio Sim Tupi	Cachoeiro de Itapemirín ES	2010.11.14	0158	23332
1590	USA	WCGO	Evanston IL	2010.11.08	2359	22311
1593	India	All India Radio	Bhopal	2010.11.08	0023	12331
1593	Romania	Radio Târgu Mures	Miercurea Ciuc	2010.11.08	1900	14321
1602	Netherlands	Radio Seagull	Pietersbierum	2010.11.09	2200	22322
1620	Cuba	Radio Progreso	unknown location	2010.11.11	0929	33433
1620	Cuba	Radio Rebelde	unknown location	2010.11.11	0959	34344
1629.99	Netherlands	Radio Northcoast	pirate	2010.11.07	0259	23322
1630	USA	WRDW	Augusta GA	2010.11.11	1000	33343
1633.312	Netherlands	Radio Jeneverstokerij	pirate	2010.11.10	2355	25332
1636.385	Netherlands	Technical Man Radio	pirate	2010.11.07	2058	25343
1639.746	Netherlands	Radio Meteor	pirate	2010.11.09	2125	15322
1639.996	Netherlands	Radio Barcelona	pirate	2010.11.13	2319	24333
1646	Netherlands	Radio Oomasan??	pirate	2010.11.09	2030	25333
1646.997	Netherlands	Radio Bativa?	pirate	2010.11.10	2353	25332
1651.983	Netherlands	Radio Napoleon	pirate	2010.11.07	2032	25332
1664.998	Netherlands	Viking	pirate	2010.11.07	2032	15331

1665.006	Netherlands	Flamingo Radio <i>(note 13)</i>	pirate	2010.11.08	2028	15341
1665.018	Netherlands	Relmus Radio <i>(note 13)</i>	pirate	2010.11.12	2151	15332
1670	Canada	CJEU	Gatineau QC	2010.11.08	2359	24333
1689.88	USA	Radio Creole International (tent)	Lynn MA	2010.11.07	2158	13311
1690	USA	WPTX	Lexington Park MD	2010.11.07	2200	24343
3990	China	Gannan PBS	Hezuo	2010.11.06	2332	34443
4026	Ireland	Laser Hot Hits	pirate	2010.11.06	2332	24442
4746.98	Peru	OAZ5B Radio Huanta 2000	Huanta	2010.11.06	2334	13332
4754.878	Brazil	ZYF904 Rádio Imaculada Conceição	Campo Grande MS	2010.11.06	2332	24343
4760	India / Andaman Is.	All India Radio	Port Blair	2010.11.09	2354	25333
4765.057	Tajikstan	Tajik Radio	Yangiyul	2010.11.06	2335	34333
4775.02	Brazil	ZYG207 Rádio Congonhas	Congonhas MG	2010.11.06	2336	24333
4800	China	CNR 1	Geermu	2010.11.09	2359	35343
4820	China	Xizang PBS	Lhasa	2010.11.06	2332	33443
4840	India	All India Radio	Mumbai	2010.11.09	2354	45444
5905	Netherland Antilles	Deutsche Welle Relay	Bonaire	2010.11.07	1029	45555
5925	Vietnam	Voice of Vietnam 2	Xuân Mai	2010.11.07	1028	33333
5930	Russia	Radio Rossii	Monchegorsk / Murmansk	2010.11.07	0905	44444
5940	Russia	Radio Rossii	Arman	2010.11.07	0905	44444
5960	China	Xinjiang PBS	Urumqi	2010.11.07	1029	44444
5970	Cuba	Radio Habana Cuba	La Habana	2010.11.07	1029	44444
5980	USA	Radio Martí	Greenville NC	2010.11.07	1029	34433
5990	Brazil	ZYE773 Rádio Senado	Brasília DF	2010.11.07	0905	34443
5995	Australia	Radio Australia	Brandon	2010.11.07	1029	24433
6055	Japan	Radio Nikkei 1	Tokyo	2010.11.07	1027	24433
6060	China	Sichuan PBS	Xichang	2010.11.07	1029	35444
6075	Russia	Radio Rossii	Yelizovo / Petropavlovsk	2010.11.07	0909	32231
6085	Russia	Radio Rossii	Krasnoyarsk	2010.11.07	0905	34444
6100	Russia	Radio Rossii	Kyzyl	2010.11.07	0909	14441
6140	Germany	MV Baltic Radio	Wertachtal	2010.11.07	1029	23432
6160	Russia	Radio Rossii	Arkhangelsk	2010.11.07	0909	33433
6170.001	Belgium	Radio Borderhunter	pirate	2010.11.07	0910	13321
6195	Russia	Radio Rossii	Selenginsk	2010.11.07	0909	24432
6209.971	Ireland	Laser Hot Hits	pirate	2010.11.07	1842	14431

6280	India	All India Radio	Bengaluru	2010.11.12	1944	44444
<a href="#">6295.04</a>	Ireland	Reflections Europe	pirate	2010.11.07	1849	14431
<a href="#">6305.006</a>	unknown	Radio TRX	pirate	2010.11.13	2341	24332
<a href="#">6305.015</a>	Netherlands	Radio Marconi	pirate	2010.11.06	2252	23343
<a href="#">6308.07</a>	France	Radio Waves International	pirate	2010.11.12	1944	14332
<a href="#">6310.36</a>	Netherlands	Radio Spaceshuttle	pirate	2010.11.07	0905	24322
<a href="#">6325.277</a>	Netherlands?	Radio Caroline International	pirate	2010.11.07	1844	15331
<a href="#">6944.93</a>	Netherlands	Mike Radio	pirate	2010.11.07	0823	24333
17620	Austria	Austrian Military Radio Society	Moosbrunn	2010.11.07	1600	55555
1641 U	Faroe Islands	OXJ Torshavn Radio	Torshavn	2010.11.09	2034	35343
<a href="#">1643.3v</a>	Netherlands	Stoemvogel (tent)	pirate	2010.11.07	2228	25322
1656 U	Spain	Tarifa Radio	Tarifa	2010.11.09	2104	23332
1680 U	Norway	LGL Florø Radio	Florø	2010.11.09	2001	24443
1710 U	Norway	Bodø Radio	Sandnessjøen	2010.11.13	2300	25333

Notes: [note 1](#) ID by Vlad Titarev / RealDX; [note 2](#) ID by Rocco Cotroneo / RealDX; [note 3](#) ID by Mika Mäkeläinen and Henrik Klemetz / RealDX; [note 4](#) Assistance with ID from Yuxin Qi; [note 5](#) ID by ID by Henrik Klemetz / RealDX; [note 6](#) Assistance with programme details from Henrik Klemetz / RealDX; [note 7](#) ID by Sylvain Naud and Henrik Klemetz / RealDX; [note 8](#) ID by Samuel Cássio Martins, comments from Chuck Hutton, Jan Alvestad and Valter Comuzzi / RealDX; [note 9](#) ID by Jeff Ting (Taiwan) via Chuck Hutton, programme details from Yuxin Qi; [note 10](#) ID by Mauricio Molano Sánchez and Henrik Klemetz / RealDX; [note 11](#) ID by Karel Honzik / RealDX; [note 12](#) ID by Mauricio Molano Sánchez / RealDX; [note 13](#) ID confirmed in Dr. Tims Pirate Radio News