



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



July 2010

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Reports for July have been received from ARSI, NZART, JARL and WIA.

This month there were 1439 observations made the highlights being:

JARL reports the usual intrusions from broadcast stations in Russia, North Korean and China as well the numerous 40 meter CW beacon stations located in Magadan, Vladivostok and Petropavlovs. Wolf DK2OM reports the location of the "A" cw beacon as being located in Bishkek in Kirgistan (KGZ) – Thanks Wolf.

NZART, JARL and WIA report various Over the Horizon Radar systems in or around the 40, 20, and 15 metre bands. With improved propagation conditions on HF intrusions in the higher bands are being detected that has global consequences. On 20 metres this month, OHRs appear on different frequencies between 14140 to 14288 kHz. On 40 metres a very wide radar operates below 40 metres with some spread over into the low edge. A new(?) radar appears on 21100 kHz. A OHR radar operating around 14183kHz has been reported to the Australian regulator (ACMA) as causing harmful interference for investigation and corrective action.

Last month the WIA reported detection of intermods/spurious emissions into 20 meters from Voice of America (VOA) transmitters located in Tinang, Philippines. These were reported to the Australian regulator (the ACMA) who has raised the matter with the US authorities. Formal advice is that some spurious emissions have been fixed, but VK4TJ reports that others emissions are still detectable. The frequencies detected concerned are: 14005, 14135, 14215, 14290, 4310, 14115, 14340 kHz. No further reports on corrective action has been received this month.

Last month as part on preparation work for the next ITU WRC in 2012, where the IARU is monitoring agenda item 1.23 - *To consider an allocation of about 15 kHz in parts of the band 415-526.5 kHz to the amateur service on a secondary basis, taking into account the need to protect existing services*, a request was sent out for observers in Region 3 for reports of active Navtex transmitters in their country or regional area that use 490 kHz and 518 kHz respectively. Preliminary reports have been received, which indicates not all services are operational. Navtex stations are active in the Japan area on all allocated frequencies. Reports of other Navtex stations on 490 and 518 kHz (FIB, 100 baud, 170 Hz Shift) would be appreciated.

For those who would like a CSV file of data please email me at: yk3mv@wia.org.au

Thank you to all the regional observers for their reports. Keep them coming.

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	
1806.1		2010	7	16	0825		A1A					ND5	DRIFTNET BEACON	QG52XI	WIA	VK4TJ
1806.8		2010	7	1	1950		A1A					2AEGH	DRIFTNET BEACON	QG52XI	WIA	
1810.7		2010	7	5	1015		A1A					2AHAH	DRIFTNET BEACON	QG52XI	WIA	
1833.9		2010	7	5	1025		A1A					2AHAP	DRIFTNET BEACON	QG52XI	WIA	
1847.0		2010	7	3	0915		A1A					NS7	DRIFTNET BEACON	QG52XI	WIA	
1861.9		2010	7	5	1020		A1A					2ADKL	DRIFTNET BEACON	QG52XI	WIA	
1864.8		2010	7	1	1950		A1A					GE0	DRIFTNET BEACON	QG52XI	WIA	
													ASIAN. NOT CHINESE.			
3505.0	3	2010	7	17	1915		J3E/U						NOISE	QG52XI	WIA	
3531.0	1	2010	7	1	1950-2030		F1B	HIGH					DAILY	QG52XI	WIA	
						0900-2100						R. Voice of Korea				
3560		2010	07	DY	<0900>		A3E				KRE		B-C Station	RF72LQ	NZART	ZL1BAD
3560.0	6	2010	7	1	1005-2030		A3E				KRE		DAILY, SW BROADCAST	QG52XI	WIA	
3560	3	2010	07	01	1030		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	01	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	01	1508		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	01	1906		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3537.5	2010	07	01	21:00	<21:00>	A3E 3				KRE		VOICE,MUSIC		JARL	
3560	3	2010	07	02	1022		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	02	1220		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	02	1512		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	02	1920		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3537.5	2010	07	02	20:37	<20:37>	A3E 3				KRE		VOICE,MUSIC		JARL	
3560	3	2010	07	03	1018		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	03	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	03	1512		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	03	1910		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2010	07	04	1030	anytime	A3E			321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
3560	5	2010	07	04	1112		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	5	2010	07	04	1218		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	04	1514		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	04	1908		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2010	07	05	1040		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	05	1220		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	05	1506		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	05	1810		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3537.5	2010	07	05	21:00	<21:00>	A3E 3				KRE		VOICE,MUSIC		JARL	
3560	3	2010	07	06	1028		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	06	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	07	06	1510		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	07	06	1806		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang

3560	3537.5	2010	07	06	21:01	<21:01>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	07	07	1026		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	07	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	07	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	07	1820		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	07	2048	<20:48>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	6	2010	07	07		02:50					Only carrier(no modulation)	JARL	
3560	3	2010	07	08	1026		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	08	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	08	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	08	1820		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2010	07	09	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	09	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	09	1510		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	09	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2010	07	10	1018		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	10	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	10	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	10	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	10	20:57	<20:57>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	11	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	11	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	11	1508		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	11	1806		A3E	321	KRE	F--signal	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	11	21:08	<21:08>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	12	1020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	12	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	12	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	12	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	12	21:27	<21:27>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	07	13	1026		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	13	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	13	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	13	1804		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	13	20:43	<20:43>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	5	2010	07	14	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	14	1508		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	14	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	14	20:42	<20:42>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	07	15	1020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	15	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	15	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang

3560	5	2010	07	15	1808		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	15	21:24	<21:24>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	5	2010	07	16	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	16	1218	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	Kujang
3560	5	2010	07	16	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	16	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	16	20:27	<20:27>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	17	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	17	1226		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	17	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	17	1906		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3537.5	2010	07	17	20:50	<20:50>	A3E 3		KRE		MUSIC	JARL	
3560	3	2010	07	18	1032		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	18	1222		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	18	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	18	20:00	<20:00>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	07	19	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	19	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	19	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	19	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	19	21:18	<21:18>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	20	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	20	1222		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	20	1510		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	20	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	20	20:22	<20:22>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	21	1030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	21	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	21	1510		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	21	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	21	20:43	<20:43>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	22	1024		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	22	1222		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	22	1514		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	22	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	22	20:31	<20:31>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	07	23	1034		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	23	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	07	23	1510		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	07	23	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	07	23	20:38	<20:38>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	07	24	1024		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

3560	5	2010	07	24	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	24	1512		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	24	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3	2010	07	25	1034	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
3560	5	2010	07	25	1214		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	25	1508		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	25	1804		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	25	20:39	<20:39>	A3E 3		KRE		VOICE	JARL		
3560	5	2010	07	26	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	26	1510		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	26	1804		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	26	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3	2010	07	27	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	27	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	27	1508		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	27	1804		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	27	20:16	<20:16>	A3E 3		KRE		VOICE	JARL		
3560	3	2010	07	28	1042		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	28	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	28	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	28	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	28	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3	2010	07	29	1040		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	29	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	29	1512		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	29	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	29	21:15	<21:15>	A3E 3		KRE		VOICE	JARL		
3560	3	2010	07	30	1032		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	30	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	30	1506		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	30	1806		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	30	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3	2010	07	31	1028		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	31	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	07	31	1512		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	07	31	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	07	31	20:04	<20:04>	A3E 3		KRE		VOICE	JARL		
3560	3537.5	2010	07	31	22:19	<22:19>	A3E 3		KRE		VOICE	JARL		
3560	3537.5	2010	07	31	20:45	<20:45>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3537.5	2010	07	31	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3570.0	5	2010	7	16	2030		G7D					QG52XI	WIA	
3584.0	3	2010	7	17	1900		A1C				FAX	QG52XI	WIA	

3623.0	3	2010	7	1	0945		N0N				DAILY, THEN FAX	QG52XI	WIA		
3642.0		2010	7	16	2025		A1A		3A7D		CALLING DK76	QG52XI	WIA		
3650.0	50	2010	7	5	1000		P0N				OTHR	QG52XI	WIA		
3650.4		2010	7	14	0948		A1A		JJV34		VVV DE JJV34	QG52XI	WIA		
											Non-Amateurs - Possibly Japanese talking R5/S7 _ static 2 Males				
3662		2010	7	10	<0822>	0822	J3E/L		?	Unid	Non-Amateurs - Possibly Japanese singing - badly 2 Males R5/S9+	RF73MF	NZART	ZL1GWE	
3825	3k	2010	7	05	<0725>	0725	J3E/L		?	?	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	RF73SA	NZART	ZL1AAO	
7000		2010	07	08	<1320-1325>		J3E/U		CLN	UNID	INDONESIAN NON AMATEUR TRAFFIC	MK82	ARSI		
7000		2010	07	13	<1235-1245>		J3E/U		INS	UNID	Non Amateurs	MK82	ARSI		
7000		2010	07	DY	HX24	HX24	J3E/L		?	Unid	Non Amateurs	RF72LQ	NZART	ZL1BAD	
7000		2010	07	DY	HX24	HX24	J3E/U		?	Unid	Non Amateurs	RF72LQ	NZART	ZL1BAD	
7000.0	20	2010	7	1	1005-2000		P0N				OTHR	QG52XI	WIA		
7000.0	3	2010	7	15	0950		J3E/U		INS		DAILY, VILLAGE RADIO	QG52XI	WIA		
7000.5		2010	7	25	<0720	0720	J3E/L		300	?	Unid	Non-Amateurs - S1	RF73MF	NZART	ZL1GWE
7000.5		2010	7	27	<0654>	0654	J3E/L		320	?	Unid	Non-Amateurs - S1 - Sound like Asian language	RF73MF	NZART	ZL1GWE
7001.6		2010	07	24	<0155-0205>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
7002.9		2010	7	13	<1925>	1925	P0N		?	Unid	EK6LP swamped by OTHR 43 PPS plus return echo	RF80HL	NZART	ZL2IFB	
7003		2010	07	25	<0150-0200>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
7005		2010	07	13	<1235-1245>		J3E/U		INS	UNID	INDONESIAN NON AMATEUR TRAFFIC	MK82	ARSI		
7005		2010	07	30	<1305-1315>		J3E/U		INS	UNID	NON AMATEUR INDONESIAN OM-OM, OM-YL, STATIONS	MK82	ARSI		
7005.0	3	2010	7	1	1000		J3E/L		INS		DAILY, VILLAGE RADIO	QG52XI	WIA		
7005.0	3	2010	7	16	1000		J3E/U		INS		DAILY, VILLAGE RADIO	QG52XI	WIA		
											SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM				
7006.5		2010	07	07	<0255-0305>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
7006.9		2010	07	24	<0155-0205>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
7008		2010	07	04	<1405-1410>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
7009.6		2010	07	12	<0225-0235>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		

7010		2010	07	07	<0255-0305>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM NON AMATEUR	MK82	ARSI	
7010		2010	07	30	<1305-1315>	J3E/U		INS	UNID	INDONESIAN OM-OM, OM- YL, STATIONS	MK82	ARSI	
7010.0	3	2010	7	1	1000	J3E/L		INS		DAILY, VILLAGE RADIO	QG52XI	WIA	
7010.0	3	2010	7	2	0940	J3E/U		INS		DAILY, VILLAGE RADIO	QG52XI	WIA	
7011		2010	07	08	<1320-1325>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7015		2010	07	08	<1320-1325>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM NON AMATEUR	MK82	ARSI	
7015		2010	07	30	<1305-1315>	J3E/U		INS	UNID	INDONESIAN OM-OM, OM- YL, STATIONS	MK82	ARSI	
7015.0	3	2010	7	1	1000	J3E/U		INS		DAILY, VILLAGE RADIO	QG52XI	WIA	
7015.0	3	2010	7	6	1000	J3E/L		INS		DAILY, VILLAGE RADIO	QG52XI	WIA	
7017		2010	07	13	<1235-1245>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7017		2010	07	22	<0255-0345>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7020		2010	07	25	<0150-0200>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7020	30k	2010	07	15	<2025>	VXX	2025	?	Unid	CODAR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7020	30k	2010	07	17	<1945>	VXX	1945	?	Unid	CODAR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7020	30k	2010	07	19	<1815>	VXX	1815	?	Unid	CODAR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7020.0	3	2010	7	1	1000	J3E/L		INS		VILLAGE RADIO	QG52XI	WIA	
7022	3.3k	2010	07	03	<1915>	M7B	1915- 1930	?	Unid	Phase Mod. Multi-chnl SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	RF72LQ	NZART	ZL1BAD
7022.5		2010	07	15	<0215-0225>	J3E/U		CLN	UNID	CODAR 2 pps with M7D underneath - motoring sound	MK82	ARSI	
7022.5	35k	2010	7	27	<1931>	VXX	1931- 2010>	?	Unid		RM75SA	NZART	ZL2KC
7023	34	2010	07	08	1826	P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	07	09	1814	P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	07	15	1820	P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	07	18	2026	P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non

7023	34	2010	07	19	1812		P0N		non	non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	JARL	non
7023	34	2010	07	25	1810		P0N		non	non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	JARL	non
7023	34	2010	07	26	1812		P0N		non	non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	JARL	non
7025		2010	07	04	<1405-1410>		J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7025		2010	07	21	<0235-0240>		J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7025.0	3	2010	7	3	0830		J3E/U			INS		VILLAGE RADIO UNKNOWN LANGUAGE, 1 HAS RIG TROUBLE - SERIOUS TONE ON TX AUDIO	QG52XI	WIA
7025.4	3	2010	7	6	0715		J3E/U					CODAR QSB S1 to S5 over shadowed by M7D signal on 6.985 widespread	QG52XI	WIA
7026.5	25k	2010	7	27	<1920>	1920-2010>	VXX		315	?	Unid	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	RF73MF	NZART ZL1GWE
7030		2010	07	16	<0230-0240>		J3E/U			CLN	UNID	OTHER 40 PPS	MK82	ARSI
7030	30k	2010	07	19	<1810>	1810 0758-0810	P0N			?	Unid	Non-Amateurs - Asian Speaking S7	RF72LQ	NZART ZL1BAD
7030	30k	2010	7	30	<0758>		J3E/U		300	?	Unid	Beacon	RF73MF	NZART ZL1GWE
7030	0.5	2010	07	31	1214		A1A		314	RUS	K--signal	now on air		JARL Petropavlovs
7035	3	2010	07	04	1528		F1B	non	non	non	non	RTTY	RF72LQ	JARL non
7036		2010	07	08	<2100>	2100	F1B		250	?	Unid	IDL only		NZART ZL1BAD
7036	3	2010	07	20	1818		F1B			non	non	IDL only		JARL non
7037	3	2010	07	13	1810		F1B			non	non	HARBOUR BEACON	QG52XI	JARL non
7038.7		2010	7	1	0955		A1A			RU	M			WIA
7039.0		2010	07	DY	<0500>	0500-1900 0500-1900	A1A			RUS	RIW	Moscow - Beacon C Astrakhan (No call sign)	RF72LQ	NZART ZL1BAD
7039		2010	07	DY	<0500>	1900 0500-1900	A1A			RUS	A	Beacon A	RF72LQ	NZART ZL1BAD
7039		2010	07	DY	<0500>	0500-1900 0500-1900	A1A			RUS	RJS	Vladivostok - Beacon F	RF72LQ	NZART ZL1BAD
7039		2010	07	DY	<0500>		A1A			RUS	RMP	Kaliningrad - Beacon P	RF72LQ	NZART ZL1BAD
7039.0		2010	7	1	1930		A1A			RU	C	DAILY, C BEACON	QG52XI	WIA
7039.0		2010	7	1	0955		A1A			RU	K	HARBOUR BEACON	QG52XI	WIA
7039	0.5	2010	07	01	0012		A1A		321	RUS	F--signal	Beacon		JARL Vladivostok
7039	0.5	2010	07	01	0744		A1A		321	RUS	F--signal	Beacon		JARL Vladivostok
7039	0.5	2010	07	01	0746		A1A		314	RUS	K--signal	Beacon		JARL Petropavlovs
7039	0.5	2010	07	01	0806		A1A		321	RUS	F--signal	Beacon		JARL Vladivostok
7039	0.5	2010	07	01	0808		A1A		314	RUS	K--signal	Beacon		JARL Petropavlovs

7039	0.5	2010	07	01	1014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	01	1016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	01	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	01	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	01	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	01	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	01	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	01	1908	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	01	1910	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	01	1914	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	01	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	01	2314	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	1014	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	02	1016	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	02	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	02	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	02	1514	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	02	1516	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	02	1922	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	02	1924	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	03	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	03	1014	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	03	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	03	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	03	1514	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	03	1514	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	03	1912	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	03	1914	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	03	1916	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	03	2320	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	0716	A1A	321	KRE	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1058	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1110	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	04	1516	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1518	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs

7039	0.5	2010	07	04	1520	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	04	1910	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	1912	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	04	1914	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	04	2208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	04	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0016	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	05	0120	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0206	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0208	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	05	0340	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0720	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	0724	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	05	1034	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	1036	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	05	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	05	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	05	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	05	1512	anytime A1A	15	RUS	M--signal	Beacon	PM97 JARL	Magadan
7039	0.5	2010	07	05	1812	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	05	2212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	05	2310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	1020	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	1022	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	06	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	1210	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	06	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	06	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	06	1516	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	06	1808	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	06	1810	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	06	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	07	0724	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	07	0726	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	07	1020	anytime A1A	321	RUS	F--signal	Beacon	PM97 JARL	Vladivostok
7039	0.5	2010	07	07	1022	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2010	07	07	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	07	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	07	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	07	1510	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	07	1824	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	07	1826	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	07	2218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	08	1016	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	08	1018	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	08	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	08	1214	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	08	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	08	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	08	1822	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	08	1824	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	09	1024	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	09	1026	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	09	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	09	1214	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	09	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	09	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	09	1808	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	09	1810	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	10	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	10	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	10	1014	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	10	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	10	1214	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	10	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	10	1510	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	10	1522	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	10	1812	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	10	1814	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	10	2314	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	11	0218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	11	1022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	11	1024	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	11	1026	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	11	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	11	1214	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	11	1216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	11	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2010	07	11	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	11	1808	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	11	1810	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	11	1812	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	11	2222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	1010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	1012	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	12	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	1214	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	12	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	1510	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	12	1808	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	12	1810	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	12	2308	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	0314	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	0712	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	13	1016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	1018	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	13	1020	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	13	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	1210	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	13	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	13	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	1510	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	13	1806	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	13	2212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	13	2310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	14	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	14	1208	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	14	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	14	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	14	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	14	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	14	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	14	1812	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	14	1814	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	14	1816	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	14	2312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	0712	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	1014	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2010	07	15	1028	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	15	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	15	1214	A1A	314	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	15	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	15	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	15	1810	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	1812	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	15	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	15	2312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	1022	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	16	1024	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	16	1034	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	16	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	16	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	1812	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	16	1814	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	1820	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	16	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	16	2312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	0720	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	1018	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	17	1020	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	1022	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	17	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	17	1216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	1218	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	17	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	17	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	17	1908	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	1910	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	17	2220	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	17	2312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	0716	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	1028	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	1030	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	18	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	18	1216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	1218	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	18	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs

7039	0.5	2010	07	18	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	18	2020	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	18	2024	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	18	2310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	19	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	19	1026	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	19	1028	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	19	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	19	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	19	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	19	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	19	1808	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	20	0726	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	20	0728	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	20	1024	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	20	1026	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	20	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	20	1216	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	20	1218	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	20	1512	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	20	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	20	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	20	1816	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	21	0718	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	21	1022	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	21	1024	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	21	1026	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	21	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	21	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	21	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	21	1512	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	21	1514	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	21	1808	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	21	1810	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	22	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	22	0712	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	22	0714	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	22	1016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	22	1018	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	22	1020	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	22	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	22	1216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	22	1218	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	22	1516	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs

7039	0.5	2010	07	22	1518	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	22	1808	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	22	1810	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	22	1812	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	22	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	0724	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	0726	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	23	1026	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	23	1028	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	1030	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	23	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	23	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	23	1512	anytime A1A	314	RUS	K--signal	Beacon	PM97 JARL	Petropavlovs
7039	0.5	2010	07	23	1514	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	1516	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	23	1808	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	23	1810	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	23	1818	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	24	0716	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	24	0718	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	24	1016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	24	1018	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	24	1020	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	24	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	24	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	24	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	24	1514	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	24	1516	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	24	1518	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	24	1808	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	24	1810	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	25	0730	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	25	0732	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	25	1024	A1A	314	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	25	1026	A1A	321	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	25	1028	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	25	1208	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	25	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	25	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	25	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	25	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	25	1514	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	25	1806	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	25	1808	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2010	07	26	1026	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	26	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	26	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	26	1226	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	26	1514	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	26	1516	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	26	1808	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	0722	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	27	0724	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	1010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	27	1012	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	1014	anytime A1A	314	RUS	K--signal	Beacon	PM97 JARL	Petropavlovs
7039	0.5	2010	07	27	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	27	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	27	1216	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	1510	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	27	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	1520	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	27	1806	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	27	1808	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	27	1810	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	07	27	1818	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	28	0708	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	28	0710	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	28	1036	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	28	1038	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	28	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	28	1212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	28	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	28	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	28	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	28	1512	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	28	1812	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	28	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	28	1816	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	28	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	29	0736	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	29	0738	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	29	1034	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2010	07	29	1036	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	29	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	29	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	07	29	1516	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	29	1810	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	07	30	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2010	07	30	1026		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	30	1028		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	30	1214		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	30	1216		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	30	1510		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	30	1512		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	30	1808		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	30	2224		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	30	2320		A1A		321	RUS	M--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	0016		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	0332		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	0734		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	0736		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	31	1020		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	1022		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	31	1024		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovsk
7039	0.5	2010	07	31	1212		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	1216		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	31	1514		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	1516		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	31	1812		A1A		15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2010	07	31	2222		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	07	31	2310	anytime	A1A		321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
													SINGLE LETTER BEACON		
7039.1		2010	07	22	<1735-1745>		A1A			RUS	C	"C"	MK82	ARSI	
7039.2		2010	7	1	0850		A1A			RU	F	DAILY, F BEACON	QG52XI	WIA	
7039.3		2010	07	DY	<0500>	0500-1900	A1A			RUS	RCC	Petropavlovsk - Beacon K	RF72LQ	NZART	ZL1BAD
7039.32	0.5	2010	07	07		02:47						Train of " C "		JARL	
7039.32	0.5	2010	07	07		02:49						Train of " F "		JARL	
7039.4		2010	07	DY	<0500>	0500-1900	A1A			RUS	RTS	Magadan - Beacon M	RF72LQ	NZART	ZL1BAD
7039.51	0.5	2010	07	12		23:31						Train of " F "		JARL	
7039.51	0.5	2010	07	13		13:57						Trainof "F"		JARL	
7039.53	0.5	2010	07	07		02:50						Train of " K "		JARL	
7039.57	0.5	2010	07	07		02:45						Train of " M "and " K "		JARL	
7039.62	0.5	2010	07	12		23:30						Train of " M "		JARL	
7039.9		2010	07	DY	<0500>	0500-1900	A1A			RUS	RIT	Severomorsk - Beacon S	RF72LQ	NZART	ZL1BAD
7040	34	2010	07	24	1812		P0N		non	non	non	7024KHz ~ 7058KHz wide pulse mode P0N OTHR ?		JARL	non
7044.0	5	2010	7	9	1750		G7D						QG52XI	WIA	
7045		2010	07	21	<1925>	1925-2030	F1B	250		?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD
7050	75	2010	7	16	1200>		P0N				Unknown	PRF 60 Hz	QF22ML	WIA	
7050	0.5	2010	7	26	1030>		F1B	50 506			Unknown	5 ltr groups	QF22ML	WIA	
7051.5		2010	07	23	<0328-0335>		J3E/U			CLN	UNID	SRI LANKAN FISHING	MK82	ARSI	

7053.9	1	2010	7	1	1950-2045		F1B				TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM DAILY	QG52XI	WIA	
7054		2010	07	DY	<0300>	0300- 2345	F1B	250	RUS	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7060	60k	2010	07	08	<2030>	2030- 2115	P0N		?	Unid	OTHR 40 PPS	RF72LQ	NZART	ZL1BAD
7060	30k	2010	07	02	<1910>	1910- 1939	P0N		?	Unid	OTHR 5 PPS SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	RF72LQ	NZART	ZL1BAD
7066.5		2010	07	07	<0255-0305>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7068		2010	07	15	<1520-1530>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7073		2010	07	12	<0225-0235>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7075	20k	2010	07	03	<1915>	1915	P0N		?	Unid	OTHR 5 PPS	RF72LQ	NZART	ZL1BAD
7075	40k	2010	07	13	<1820>	1820	P0N		?	Unid	OTHR 90 PPS	RF72LQ	NZART	ZL1BAD
7075	40k	2010	07	14	<1930>	1930- 2135	P0N		?	Unid	OTHR 90 PPS FAST SWEEP, ROUGHLY ONCE PER SECOND	RF72LQ	NZART	ZL1BAD
7075.0	50	2010	7	22	0955						7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?	QG52XI	WIA	
7077	34	2010	07	27	1812		P0N		non	non	7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?		JARL	non
7077	34	2010	07	30	1810		P0N		non	non	8 channel. Idling		JARL	non
7078		2010	07	11	<1905>	1905	F7D		?	Unid		RF72LQ	NZART	ZL1BAD
7080	20k	2010	07	01	<1715>	1715- 1815	P0N		?	Unid	OTHR 5 PPS	RF72LQ	NZART	ZL1BAD
7080	20k	2010	07	02	<0930>	0930	P0N		?	Unid	OTHR 5 PPS	RF72LQ	NZART	ZL1BAD
7080	3.3k	2010	07	19	<1805>	1805	M7B		?	Unid	Multi-channel	RF72LQ	NZART	ZL1BAD
7080	30k	2010	07	30	<1935>	1935- 2035	VXX		?	Unid	CODAR 3.5 PPS STARTS & STOPS ABRUPTLY	RF72LQ	NZART	ZL1BAD
7080.0	5	2010	7	15	0905		G7D				7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?	QG52XI	WIA	
7083	34	2010	07	10	1518		P0N		non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	07	20	1516		P0N		non	non	7072KHz ~ 7106KHz wide pulse mode P0N OTHR ?		JARL	non
7089	34	2010	07	29	1814		P0N		non	non	CW(random number and English)		JARL	non
7090	6	2010	07	12		23:22					SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		JARL	
7095		2010	07	12	<0225-0235>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7100		2010	07	08	<1320-1325>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	

7100	100k	2010	07	01	<1730>	1730	P0N		?	Unid	OTHR 45 PPS	RF72LQ	NZART	ZL1BAD
7100	20k	2010	07	14	<1930>	1930	P0N		?	Unid	OTHR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7100.0	50	2010	7	5	2020		P0N				OTHR, CONSTANT BECAME F1B SHORTLY THEREAFTER	QG52XI	WIA	
7101.0	5	2010	7	5	0925		G7D				AFRICAN BROADCASTER WITH DOMESTIC BROADCAST	QG52XI	WIA	
7105	5	2010	07	04	<1405-1410>		A3E		MDG	DOM.SER		MK82	ARSI	
7105	5	2010	07	01	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	01	2214		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	01	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	02	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	02	2212		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	02	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	03	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	03	2214		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	03	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	04	2204		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	04	2206		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	04	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	05	2206		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	05	2208		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	05	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	06	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	06	2214		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	06	2358		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	07	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	07	2214		A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105	3	2010	07	08	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	08	2212		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music 23:00 UTCTimesignal 5+1		JARL	non
7105	3	2010	07	08	2258		A3E	273	CHN	PBS Nei Meng	2sec late after QRT		JARL	Hohhot
7105	3	2010	07	09	2204		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	07	09	2206		A3E	non	CHN	non	Chinese Talk and Music Chinese Talk and Music		JARL	non
7105	3	2010	07	09	2258		A3E	273	CHN	PBS Nei Meng	23:00 UTCTimesignal 5+1		JARL	Hohhot

7105	3	2010	07	10	2206	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	10	2208	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	10	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	11	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	11	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	12	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	12	2214	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	12	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	13	2206	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	13	2208	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	13	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	14	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	14	2214	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	14	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	15	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	15	2212	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	15	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	16	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	16	2212	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	16	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2010	07	17	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	17	2216	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	17	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	18	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	18	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2010	07	19	2204	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	19	2206	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	19	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	20	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	20	2214	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	20	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot

7105	3	2010	07	21	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	21	2210	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	21	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	22	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	22	2210	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	22	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	23	2220	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	23	2222	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	24	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	24	2210	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	25	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	25	2212	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	26	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	26	2210	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2010	07	27	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	27	2214	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	28	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	28	2212	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	29	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	29	2210	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	30	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	30	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	07	31	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	07	31	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7106.5	3	2010	7	9	1020	G7D				STRANGE BURST DATA	QG52XI	WIA
7110	5	2010	07	04	<1405-1410>	A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI
7110	5	2010	07	14	<1510-1520>	A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI
7110	6	2010	07	15	<1520-1525>	A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI
7110	4	2010	07	23	<0325-0330>	A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI
7110		2010	07	DY	<0415>	A3E		?	Unid	B-C STN.	RF72LQ	NZART ZL1BAD

7110	10K	2010	07	DY	<1700>	1700-2100	A3E		?	Unid	B-C STN. OVER-MODULATED. I.D AND CLOSE AT 2100 UTC	RF72LQ	NZART	ZL1BAD
7110.0	6	2010	7	1	1240-2040		A3E		ETH		DAILY, RADIO ETHIOPIA	QG52XI	WIA	
7110	3	2010	07	01	1916		A3E	non	non	non	unknown Talk and Music		JARL	non
7110	7100.0	2010	07	01	21:00	<21:00>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	02	20:37	<20:37>	A3E 3				MUSIC		JARL	
7110	3	2010	07	04	1916		A3E	non	non	non	unknown Talk and Music		JARL	non
7110	7100.0	2010	07	10	20:56	<20:56>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	12	21:27	<21:27>	A3E 3				VOICE,MUSIC		JARL	
7110	6	2010	07	12		23:13					News in ?		JARL	
7110	7100.0	2010	07	13	20:45	<20:45>	A3E 3				VOICE,MUSIC		JARL	
7110	7100.0	2010	07	14	20:41	<20:41>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	16	20:25	<20:25>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	17	20:51	<20:51>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	18	20:02	<20:02>	A3E 3				VOICE		JARL	
7110	7100.0	2010	07	20	20:21	<20:21>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	21	20:45	<20:45>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	22	20:31	<20:31>	A3E 3				VOICE		JARL	
7110	7100.0	2010	07	23	20:36	<20:36>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	25	20:40	<20:40>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	27	20:16	<20:16>	A3E 3				MUSIC		JARL	
7110	7100.0	2010	07	31	20:02	<20:02>	A3E 3				VOICE,MUSIC		JARL	
7111		2010	07	12	<0225-0235>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7113.2		2010	07	23	<0328-0335>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7114.0	5	2010	7	11	1240		G7D					QG52XI	WIA	
7116.6		2010	7	18	<0600>	0600-0640	J3E/U	300	?	Unid	Non-Amateurs - Possibly Japanese talking S6 - three males speaking	RF73MF	NZART	ZL1GWE
7116.8	3	2010	7	10	0925		J3E/U				ASIAN, SOUNDS CHINESE	QG52XI	WIA	
7117.7	3	2010	7	3	0825		J3E/U				ASIAN, SOUNDS CHINESE	QG52XI	WIA	
7117.9	3	2010	7	11	0940		J3E/L		CHN		FAMILY NET, FISH BOATS, ENGINE NOISE	QG52XI	WIA	
7118	7100.0	2010	07	11	21:11	<21:11>	A3E 3				VOICE		JARL	
7118.8		2010	7	5	0920		A1A				DAILY, MIXED NUMBER/LETTER CIPHER	QG52XI	WIA	
7119	3.3k	2010	07	03	<1915>	1915	M7B		?	Unid	Phase Mod. Multi-channel	RF72LQ	NZART	ZL1BAD
7119.0	5	2010	7	16	0745		G7D					QG52XI	WIA	
7120.0	3	2010	7	3	0820-1000		J3E/U				DAILY, ASIAN, NOT CHINESE	QG52XI	WIA	
7121	3k	2010	07	16	<1940>	1940-2030	F7D	85	?	Unid	85 Hz shift per chnl, 8 channels	RF72LQ	NZART	ZL1BAD
7122.0	1	2010	7	5	2015		F1B	~100			NO DECODES	QG52XI	WIA	
7122.0	5	2010	7	16	2035		G7D	250				QG52XI	WIA	

7125		2010	07	DY	<1815>	1815-2200	A3E		?	Unid	B-C STN	RF72LQ	NZART	ZL1BAD
7125.0	6	2010	7	1	1930-2110		A3E					QG52XI	WIA	
7125.0	6	2010	7	12	0700-0800		A3E		GUI		DAILY, RADIO CONAKRY	QG52XI	WIA	
7135	30k	2010	07	08	<2030>	2030-2115	P0N		?	Unid	OTHR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7135	30k	2010	07	11	<1910>	1910	P0N		?	Unid	OTHR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7135	30k	2010	07	13	<1815>	1815	P0N		?	Unid	OTHR 3.5 PPS	RF72LQ	NZART	ZL1BAD
7137	34	2010	07	06	1812		P0N	non	non	non	7120KHz - 7154KHz wide pulse mode P0N OTHR ?		JARL	non
7137	34	2010	07	07	1828		P0N	non	non	non	7120KHz - 7154KHz wide pulse mode P0N OTHR ?		JARL	non
7137	34	2010	07	12	1812		P0N	non	non	non	7120KHz - 7154KHz wide pulse mode P0N OTHR ?		JARL	non
7137	34	2010	07	13	1814		P0N	non	non	non	7120KHz - 7154KHz wide pulse mode P0N OTHR ?		JARL	non
7137	34	2010	07	23	1814		P0N	non	non	non	7120KHz ~ 7154KHz wide pulse mode P0N OTHR ?		JARL	non
7140.5	5	2010	7	9	1700		G7D					QG52XI	WIA	
7145	6	2010	07	08	<1320-1325>		A3E		LAO	B/C	LAOS IN INTERNATIONAL SERVICE -FRENCH	MK82	ARSI	
7145	5	2010	07	13	<1235-1245>		A3E		LAO	B/C	LAOS IN INTERNATIONAL SERVICE	MK82	ARSI	
7145	3	2010	07	07	1218		A3E	non	non	non	unknown Talk and Music		JARL	non
7148.3	6	2010	7	1	1950		A3E				DISTORTED	QG52XI	WIA	
7151.6	3	2010	7	14	0935		J3E/U		INS			QG52XI	WIA	
7153.9	1	2010	7	22	0950		F1B	HIGH	350			QG52XI	WIA	
7160	4	2010	07	04	<1015-1025>		A3E		IND	CHENNAI	AIR CHENNAI'S SPURIOUS PRODUCT AFRICAN BROADCASTER WITH DOMESTIC BROADCAST AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7160	4	2010	07	15	<1520-1525>		A3E		UNID	UNID	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7165	6	2010	07	04	<1405-1410>		A3E		ETH	DOM.SER	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7165	6	2010	07	08	<1320-1325>		A3E		ETH	DOM.SER	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7165	5	2010	07	14	<1510-1520>		A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7165	6	2010	07	15	<1520-1525>		A3E		ETH	DOMESTIC	AFRICAN BROADCASTING STATION DOMESTIC BROADCASTS	MK82	ARSI	
7165		2010	07	DY	<0355>	0355-1915	A3E		?	Unid	B-C STN WITH 20 KHZ JAMMER AT TIMES	RF72LQ	NZART	ZL1BAD

7165	3k	2010	07	21	<1930>	1930-2030	F7D	?	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7165.0	6	2010	7	9	1700		A3E	ETH		IN FRENCH	QG52XI	WIA	
7165	3	2010	07	03	1520		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	04	1536		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	05	1516		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	06	1518		A3E	321	non	unknown Talk and Music		JARL	non
7165	3	2010	07	06	1820		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	10	1514		A3E	non	non	unknown Talk and Music		JARL	non
7165	6	2010	07	12		23:14				News in ?		JARL	
7165	3	2010	07	14	1516		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	15	1514		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	15	1814		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	19	1514		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	23	1520		A3E	non	non	unknown Talk and Music		JARL	non
7165	3	2010	07	27	1516		A3E	non	non	unknown Talk and Music		JARL	non
7170.0	50	2010	7	16	0825		P0N				QG52XI	WIA	
7171.6		2010	07	12	<0230-0240>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM B-C STN. CLOSSES AT 2000. PROBABLY ARABIC	MK82	ARSI	
7175		2010	07	DY	<1815>	1815-2000	A3E	?	Unid	LANGUAGE	RF72LQ	NZART	ZL1BAD
7175.0	6	2010	7	1	1950		A3E			VOICE OF THE BROAD	QG52XI	WIA	
7175	3	2010	07	04	1920		A3E	non	non	MASSES		JARL	non
7175	6	2010	07	12		23:15				unknown Talk and Music		JARL	
7180.0		2010	7	8	1950		N0N			News in ?	QG52XI	WIA	
7185.0	6	2010	7	9	1750		A3E			MIDDLE-EASTERN MUSIC, LIKELY ERI VOICE	QG52XI	WIA	
7186		2010	07	13	<1815>	1815	F7D	?	Unid	OF THE BROAD MASSES	RF72LQ	NZART	ZL1BAD
7190	6	2010	07	04	<1015-1025>		A3E	CLN	SLBC	8 channel. Idling S ASIAN EXTERNAL SERVICE FROM SLBC IN MALAYALAM - COLOMBO, SRI LANKA	MK82	ARSI	
7190	6	2010	07	12	<0230-0235>		A3E	CLN	SLBC	S ASIAN EXTERNAL SERVICE FROM SLBC IN HINDI - COLOMBO, SRI LANKA	MK82	ARSI	
7190	6	2010	07	12	<1200-1215>		A3E	CLN	SLBC	S ASIAN EXTERNAL SERVICE FROM SLBC IN TAMIL - COLOMBO, SRI LANKA	MK82	ARSI	
7198	7100.0	2010	07	18	20:02	<20:02>	A3E 3			VOICE,MUSIC		JARL	
7200	6	2010	07	04	<1015-1025>		A3E	BRM	DOM.SER	MYANMAR IN DOMESTIC SERVICE	MK82	ARSI	
7200	6	2010	07	12	<0230-0235>		A3E	BRM	DOM.SER	MYANMAR IN DOMESTIC SERVICE	MK82	ARSI	

7200	6	2010	07	12	<1200-1215>	A3E		BRM	DOM.SER	MYANMAR IN DOMESTIC SERVICE WITH INSTRUMENTAL MUSIC	MK82	ARSI	
7200	6	2010	07	13	<1235-1245>	A3E		BRM	DOM.SER	MYANMAR IN DOMESTIC SERVICE	MK82	ARSI	
7200	6	2010	07	14	<1510-1520>	A3E		SDN	DOM.SER	ARABIC DOMESTIC SERVICE FROM KAHRTUUM, SUDAN	MK82	ARSI	
7200.0	6	2010	7	1	1950	A3E		SDN		RADIO OMDURMAN	QG52XI	WIA	
7200.0	6	2010	7	1	0935	A3E		KRE		SW BROADCAST	QG52XI	WIA	
7200	3	2010	07	01	0008	A3E	anytime	321	KRE	Vo Korea	PM97	JARL	Kujang
7200	3	2010	07	01	0106	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	01	0210	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	01	0330	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	5	2010	07	01	0740	A3E		321	KRE	Vo Korea		JARL	Kujang
										Russian Talk and Music			
7200	3	2010	07	01	0752	A3E		non	RUS	non		JARL	non
7200	5	2010	07	01	0800	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	5	2010	07	01	1012	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	5	2010	07	01	1206	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	0020	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	0110	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	0208	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	0326	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	5	2010	07	02	0706	A3E		321	KRE	Vo Korea		JARL	Kujang
										Russian Talk and Music			
7200	3	2010	07	02	0752	A3E		non	RUS	non		JARL	non
7200	5	2010	07	02	0802	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	1008	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	02	1010	A3E		non	RUS	non		JARL	non
7200	5	2010	07	02	1206	A3E	anytime	321	KRE	Vo Korea	PM97	JARL	Kujang
7200	3	2010	07	03	0006	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	03	0110	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	03	0208	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	03	0320	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	5	2010	07	03	0712	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	03	1006	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	03	1008	A3E		non	RUS	non		JARL	non
7200	5	2010	07	03	1206	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0014	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0108	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0212	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0330	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0708	A3E		321	KRE	Vo Korea		JARL	Kujang
7200	3	2010	07	04	0710	A3E		non	RUS	non		JARL	non
										Russian Talk and Music			

7200	3	2010	07	04	1016	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	04	1018	A3E	non	non	non	English Talk and Music	JARL	non
7200	3	2010	07	04	1052	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	04	1054	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non
7200	5	2010	07	04	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	3	2010	07	04	1106	A3E	non	KRE	Vo Korea	French Talk and Music	JARL	non
7200	5	2010	07	04	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	05	1028	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	05	1030	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non
7200	5	2010	07	05	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	06	0022	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	06	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	06	0208	A3E	321	KRE	Vo Korea	Chinese Talk and music	JARL	Kujang
7200	3	2010	07	06	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	06	0706	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	06	1014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	06	1016	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non
7200	5	2010	07	06	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	07	0014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	07	0106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	07	0212	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	3	2010	07	07	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	07	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	07	0752	A3E	non	RUS	non	Russian Talk and Music	JARL	non
7200	3	2010	07	07	1014	A3E	321	KRE	Vo Korea	07:58 UTC Program end	JARL	non
7200	3	2010	07	07	1016	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	07	1206	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	non
7200	3	2010	07	08	0006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	08	0110	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	08	0220	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	08	1010	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	3	2010	07	08	1012	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	08	1206	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	non
7200	3	2010	07	08	1208	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	09	0006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	3	2010	07	09	0104	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	09	0210	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	09	0320	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	5	2010	07	09	1016	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	09	1018	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	09	1206	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	non
7200	3	2010	07	09	1208	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	10	0006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	3	2010	07	10	0110	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	10	0218	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	10	0218	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang

7200	3	2010	07	10	0320	anytime	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	07	10	0710		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	10	1006		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	10	1008		A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	5	2010	07	10	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	10	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	11	0008		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	11	0106		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	11	0212		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	5	2010	07	11	0712		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	11	0714		A3E	non	KRE	Vo Korea	French Talk and Music	JARL	non	
7200	5	2010	07	11	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7200	3	2010	07	11	1018		A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	5	2010	07	11	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	11	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	12	0008		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	12	0114		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	12	0210		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	3	2010	07	12	0320		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	07	12	1008		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	12	1208		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	6	2010	07	12			23:19				News in ?	JARL		
7200	3	2010	07	13	0004		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	13	0112		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	13	0220	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	13	0310	A3E	321	KRE	Vo Korea	English Talk and Music	PM97	JARL	Kujang	
7200	5	2010	07	13	0706	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	13	1014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	13	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	14	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	14	0112	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	14	0220	A3E	321	KRE	Vo Korea	Chinese talk and Music	JARL	Kujang		
7200	3	2010	07	14	0340	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	14	0706	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	14	0708	A3E	non	KRE	Vo Korea	French Talk and Music	JARL	non		
7200	5	2010	07	14	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	15	0008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	15	0106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	15	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	15	0304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	15	0708	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	15	1006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	15	1008	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non		
7200	5	2010	07	15	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	15	1208	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non		

7200	3	2010	07	16	0008	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	16	0112		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	16	0220		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	5	2010	07	16	0710		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	16	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	16	1018		A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	5	2010	07	16	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	16	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	17	0008		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	17	0110		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	17	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	17	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	17	0716	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	17	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	17	1014	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non		
7200	5	2010	07	17	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	17	1210	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non		
7200	3	2010	07	18	0008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	18	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	18	0216	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	18	0332	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	18	0712	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	18	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	18	1022	anytime	A3E	non	KRE	Vo Korea	English Talk and Music	PM97	JARL	non
7200	5	2010	07	18	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	18	1210	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non		
7200	3	2010	07	19	0008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	19	0112	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	19	0206	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	19	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	19	0710	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	19	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	19	1022	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non		
7200	5	2010	07	19	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	19	1208	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non		
7200	3	2010	07	20	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	20	0116	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	20	0206	A3E	321	KRE	Vo Korea	Chinese talk and Music	JARL	Kujang		
7200	3	2010	07	20	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	20	0724	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7200	5	2010	07	20	1018	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	20	1020	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non		
7200	5	2010	07	20	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	20	1210	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	21	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		

7200	3	2010	07	21	0108	anytime	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	21	0216		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	5	2010	07	21	0714		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	21	1018		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	21	1208		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	22	0012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	22	0108		A3E	321	KRE	Vo Korea	English Talk and Music	PM97	JARL	Kujang
7200	3	2010	07	22	0210		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	3	2010	07	22	0316		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	22	0708		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	22	1010		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	22	1012		A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	5	2010	07	22	1208		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	22	1210		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	23	0012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	23	0120		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	07	23	0210		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7200	3	2010	07	23	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	07	23	0720		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	23	1020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	23	1022		A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	5	2010	07	23	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	23	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	24	0014		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	24	0120		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	07	24	0712		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	07	24	0752		A3E	non	RUS	non	Russian Talk and Music	JARL	non	
7200	5	2010	07	24	1010		A3E	321	KRE	Vo Korea	07:58 UTC Program end	JARL	non	
7200	3	2010	07	24	1012		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	07	24	1206		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	non	
7200	3	2010	07	24	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non	
7200	3	2010	07	25	0016	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	25	0120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	25	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	25	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	25	0726	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	25	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	5	2010	07	25	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	26	0008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	26	0112	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	3	2010	07	26	0216	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7200	3	2010	07	26	0328	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
7200	5	2010	07	26	0730	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7200	3	2010	07	26	0752	A3E	non	RUS	non	Russian Talk and Music	JARL	non		

7200	5	2010	07	26	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	26	1022	A3E	non	KRE	Vo Korea	English Talk and Music	JARL	non
7200	5	2010	07	26	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	26	1208	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	5	2010	07	27	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	27	0112	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	27	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	3	2010	07	27	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	27	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	27	0752	A3E	non	RUS	non	Russian Talk and Music	JARL	non
7200	5	2010	07	27	1006	A3E	321	KRE	Vo Korea	07:58 UTC Program end	JARL	Kujang
7200	3	2010	07	27	1052	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	5	2010	07	27	1206	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	27	1208	A3E	non	KRE	Vo Korea	10:58 UTC Program end	JARL	non
7200	5	2010	07	28	0006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	28	0108	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	3	2010	07	28	0212	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	28	0330	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	5	2010	07	28	0706	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	28	1030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	07	28	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	29	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	29	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	29	0206	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	5	2010	07	29	0732	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	29	0750	A3E	non	RUS	non	Russian Talk and Music	JARL	non
7200	5	2010	07	29	1030	A3E	321	KRE	Vo Korea	07:58 UTC Program end	JARL	Kujang
7200	3	2010	07	29	1052	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	5	2010	07	29	1208	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	30	0014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	30	0110	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	3	2010	07	30	0218	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	30	0330	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	5	2010	07	30	0712	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	30	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	30	1022	A3E	non	KRE	Vo Korea	Korean Talk and Music	JARL	non
7200	5	2010	07	30	1210	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	31	0012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	31	0108	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	07	31	0220	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7200	3	2010	07	31	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	07	31	0730	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	07	31	0752	A3E	non	RUS	non	Korean Talk and Music	JARL	non

7200	5	2010	07	31	1014		A3E	321	KRE	Vo Korea	07:58 UTC Program end		JARL	Kujang	
7200	3	2010	07	31	1016		A3E	non	KRE	Vo Korea	Korean Talk and Music		JARL	non	
7200	5	2010	07	31	1206		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang	
7200	3	2010	07	31	1208		A3E	non	KRE	Vo Korea	Korean Talk and Music		JARL	non	
7202.0		3	2010	7	12	0750	J3E/U				ASIAN	QG52XI	WIA		
											Bursts of N0N (1 second) followed by 2-3 seconds of G7D - S9-S2				
10075			2010	7	11	<0300.	0300-0408	G7D	330	?	Unid		RF73MF	NZART	ZL1GWE
											Bursts of N0N (1 second) followed by 2-3 seconds of G7D - S9-S2				
10082			2010	7	11	<0300>	0300-0408	G7D	330	?	Unid		RF73MF	NZART	ZL1GWE
											Bursts of N0N (1 second) followed by 2-3 seconds of G7D - S9-S2				
10087			2010	7	11	<0300>	0300-0408	G7D	330	?	Unid		RF73MF	NZART	ZL1GWE
											Broadcast Station playing music until finish at 0500z				
10102	6k		2010	7	10	<0454>	0454-0500	A3E		?	Unid		RE78JR	NZART	ZL2AOH
											ODFM S8 in NZ PI4THT				
10111	3k		2010	7	10	<0300>	0300-0610	G7D	330	?	Unid		RF73MF	NZART	ZL1GWE
											SDR indicates S9 + ODFM S7 in NZ PI4THT				
10111	3k		2010	7	25	<0445>	0445-0509	G7D	330	?	Unid		RF73MF	NZART	ZL1GWE
											SDR indicates S8 in Europe 30M opening				
10115.4			2010	07	14	<1510-1520>		J3E/U		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10115.4			2010	07	21	<1355-1405>		J3E/U		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10121.5			2010	07	02	<1155-1200>		J3E/U		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10121.5			2010	07	21	<1355-1405>		J3E/U		CLN	UNID		MK82	ARSI	
											SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM				
10124.5			2010	07	02	<1155-1200>		J3E/U		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10138			2010	07	02	<0725-0735>		J3E/L		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10141.8			2010	07	02	<1155-1200>		J3E/U		CHN	UNID		MK82	ARSI	
											NON AMATEUR CHINESE SPEAKING ;OM-OM.;				
											FISHING TRAWLERS				
10142			2010	07	22	<1200-1210>		J3E/U		CLN	UNID		MK82	ARSI	
											SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM				
10144	50k		2010	7	07	<1436>	1436-1923	P0N	300	?	Unid		RF80HL	NZART	ZL2iFB
											OTHR 86 PPS over 5 hours				
											OTHR S9 + 30dB 50 PPS				
10149.5	25k		2010	7	25	<2000>	2000-2010	P0N		?	Unid		RF73HD	NZART	ZL1ATB
											suspect ZC4RADAR coincides with ZL2iK				

14000		2010	07	02	<0725-0735>	J3E/U		CLN	UNID	grabber SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14000		2010	07	04	<1405-1410>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14000		2010	07	11	<0250>	J3E/U		?	Unid	Non-Amateur net	RF72LQ	NZART	ZL1BAD
14000		2010	7	24	<0100>	J3E	85	?	Unid	Non-Amateurs - S6 QSB	RF73MF	NZART	ZL1GWE
14000.0	3	2010	7	2	2250-0925 <23:50--	J3E/U				DAILY, ASIAN 2 groups of males, no qrm	QG52XI	WIA	
14000	3	2010	7	1	00:17>	J3E/U	315	CLN		to each other	OF84wx	WIA	VK6XW
14000	3	2010	7	2	23:30--00:18>	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000	3	2010	7	4	08:45--09:05>	J3E/U	360	INS		Male-female	OF84wx	WIA	
14000	3	2010	7	4	<23:35--23:47	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000	3	2010	7	15	<23:46>	J3E/U	315	CLN		2 males	OF84wx	WIA	
14000	3	2010	7	21	<23:56--00:08	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000	3	2010	7	22	06:39--06:52	J3E/U	315	CLN		2 males	OF84wx	WIA	
14000	3	2010	7	23	23:30--23:40>	J3E/U	315	CLN		2 males	OF84wx	WIA	
14000	3	2010	7	27	06:50--06:56	J3E/U	360	INS		2 males	OF84wx	WIA	
14000	3	2010	7	30	<23:45--00:30	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000	3	2010	7	31	23:12--00:00	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000.2		2010	7	9	0920	A1A				HAND SENT MORSE, DUPLEX, MANY NON- ENGLISH CHARACTERS	QG52XI	WIA	
14001.2		2010	07	23	<0315-0325>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14001.2		2010	07	24	<1150-1155>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14001.4		2010	07	05	<0320-0330>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14001.8		2010	07	06	<1120-1130>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14001.8		2010	07	07	<0300-0310>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14002.0	3	2010	7	8	0755-0945	J3E/L				DAILY, ASIAN, NOT CHINESE	QG52XI	WIA	
14002	3	2010	7	14	<08:57--09:08	J3E/U	360	INS		Male-female	OF84wx	WIA	
14002.5	3	2010	7	21	<07:40--07:50	J3E/U	315	CLN		2 males	OF84wx	WIA	
14005		2010	07	02	<1050-1100>	J3E/U		CHN	UNID	NON AMATEUR CHINESE SPEAKING ;OM-OM.; FISHING TRAWLERS	MK82	ARSI	
14005		2010	07	06	<1055-1100>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	

14005.0	6	2010	7	23	2200-2300	A3E			PHL		LANGUAGE ONLY – 2 OM	VOA IMD	QG52XI	WIA	
14005.5	3	2010	7	1	0800-'0915	J3E/L					DAILY, ASIAN,		QG52XI	WIA	
14005.8	3	2010	7	11	<23:25--23:50	J3E/L		315	LN		FISHBOATS	2 males	OF84wx	WIA	
14007.3	3	2010	7	9	08:12>	J3E/L		315	CLN			2 males	OF84wx	WIA	
14007.8		2010	7	13	<0557>	0557	F1B		300	?	Unid	Standby single tone and			
14007.9		2010	7	12	<0900>	0900	F1B		30	?	Unid	occasional gaps in			
14008		2010	7	07	<0412>	0412	F1B	50	240	?	Unid	transmission	RF80HL	NZART	ZL2iFB
14008.0	1	2010	7	7	0700-0930	F1B						RTTY	RF80HL	NZART	ZL2iFB
14009	3	2010	7	15	<23:15--23:30	J3E/U			315	CLN		DAILY	QG52XI	WIA	
												Group of males	OF84wx	WIA	
14009.2		2010	07	16	<1135-1145>	J3E/U				CHN	UNID	NON AMATEUR CHINESE			
												SPEAKING ;OM-OM.;	MK82	ARSI	
												FISHING TRAWLERS			
14009.2		2010	07	26	<1200-1215>	J3E/U				CHN	UNID	NON AMATEUR CHINESE			
14009.2	3	2010	7	21	23:30--00:00	J3E/U		315	CLN			SPEAKING ;OM-OM.;	MK82	ARSI	
14010.0	3	2010	7	1	0905	J3E/U						FISHING TRAWLERS	OF84wx	WIA	
14011.1	3	2010	7	12	0735	J3E/L						2 males	QG52XI	WIA	
14012.5	3	2010	7	2	00:10--00:17	J3E/U		315	CLN			ASIAN, NOT CHINESE	QG52XI	WIA	
												ASIAN, NOT CHINESE	OF84wx	WIA	
14015.8		2010	07	30	<0225-0235>	J3E/U				CLN	UNID	SRI LANKAN FISHING			
												TRAWLERS IN SINHALA	MK82	ARSI	
14016.2		2010	07	22	<1150-1155>	J3E/U				CLN	UNID	LANGUAGE ONLY – 2 OM			
14016.5	3	2010	7	21	<07:14--08:00	J3E/U		315	CLN			SRI LANKAN FISHING	MK82	ARSI	
14016.7	4	2010	7	21	0910	J3E/U				CHN		TRAWLERS IN SINHALA	OF84wx	WIA	
14019.8	3	2010	7	18	08:19--08:36	J3E/L		360	INS			LANGUAGE ONLY – 2 OM	QG52XI	WIA	
												2 males	OF84wx	WIA	
14020		2010	07	02	<0725-0735>	J3E/U				CLN	UNID	Male-female			
												SRI LANKAN FISHING			
14020.0	3	2010	7	8	0800	J3E/L						TRAWLERS IN SINHALA	MK82	ARSI	
14020	3	2010	7	14	<08:25--08:43	J3E/L		360	INS			LANGUAGE ONLY – 2 OM	QG52XI	WIA	
14020	3	2010	7	27	07:34--07:45	J3E/L		360	INS			DAILY, ASIAN, NOT	OF84wx	WIA	
14020	3	2010	7	30	08:40--08:53	J3E/L		360	INS			CHINESE	OF84wx	WIA	
14020.1	3	2010	7	9	0920	J3E/U						Male-female	OF84wx	WIA	
14022.2	3	2010	7	22	<06:30--06:38	J3E/U		315	CLN			1 male1 female	QG52XI	WIA	
												Male-female	OF84wx	WIA	
14022.3		2010	07	21	<0230-0235>	J3E/U				CLN	UNID	ASIAN	QG52XI	WIA	
14023.5	3	2010	7	10	0610	J3E/U						Group of males	OF84wx	WIA	
												SRI LANKAN FISHING			
14023.8		2010	07	16	<0225-0235>	J3E/L				CLN	UNID	TRAWLERS IN SINHALA	MK82	ARSI	
												LANGUAGE ONLY – 2 OM	QG52XI	WIA	
												ASIAN			
												SRI LANKAN FISHING			
												TRAWLERS IN SINHALA	MK82	ARSI	

14024		2010	07	17	<0040-0050>	J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM			
14024.8	3	2010	7	11	<23:28--00:18	J3E/U		315	CLN	SRI LANKAN FISHING			
14025	3	2010	7	3	23:25--00:02	J3E/U		315	CLN	TRAWLERS IN SINHALA			
14025	3	2010	7	7	23:15--23:45	J3E/U		315	CLN	LANGUAGE ONLY – 2 OM	MK82	ARSI	
14025	3	2010	7	8	23:15--23:40>	J3E/U		315	CLN	Group of males	OF84wx	WIA	
14025	3	2010	7	9	23:15--23:57	J3E/U		315	CLN	Group of males	OF84wx	WIA	
14025	3	2919	7	13	<23:55>	J3E/U		315	CLN	2 males	OF84wx	WIA	
14025	3	2010	7	14	<23:15--23:30	J3E/U		315	CLN	2 males	OF84wx	WIA	
14025	3	2010	7	18	<23:15--23:25	J3E/U		315	CLN	2 males	OF84wx	WIA	
14025	3	2010	7	30	<23:45--00:12	J3E/U		315	CLN	2 males	OF84wx	WIA	
14025.2	3	2010	7	6	<23:13--23:45	J3E/U		315	LN	2 males	OF84wx	WIA	
14025.3		2010	07	26	<1535-1545>	XXX			UNID	Group of males	OF84wx	WIA	
14025.3		2010	07	27	<1535-1545>	XXX			UNID	HIGH SPEED SAW			
14025.3		2010	07	28	<1435-1535>	XXX			UNID	LIKE;SPREADING 14022-	MK82	ARSI	
14026		2010	7	11	<2236>	F1B	2236	120	?	14028.6			
14027.0	5	2010	7	10	0605-0900	G7D				LIKE;SPREADING 14022-	MK82	ARSI	
14028.3	3	2010	7	9	<08:00--	J3E/U		360	INS	14028.6	RF80HL	NZART	ZL2IFB
14030.0	40	2010	7	1	0855	P0N				MSFK EU LP coming in	QG52XI	WIA	
14030.5		2010	07	24	<1130-1140>	J3E/U			CLN	Male-female	OF84wx	WIA	
14031.2		2010	07	16	<1140-1145>	J3E/U			CHN	OTHR	QG52XI	WIA	
14031.2		2010	07	26	<1335-1345>	J3E/U			CHN	SRI LANKAN FISHING			
14031.3		2010	07	04	<1000-1015>	J3E/U			CHN	TRAWLERS IN SINHALA			
14031.4		2010	07	12	<0235-0240>	J3E/U			CHN	LANGUAGE ONLY – 2 OM	MK82	ARSI	
14031.4	3	2010	7	1	23:32--00:12	J3E/U		315	CLN	NON AMATEUR CHINESE			
14031.4	3	2010	7	2	23:30--00:20>	J3E/U		315	CLN	SPEAKING ;OM-OM.;	OF84wx	WIA	
14031.4	3	2010	7	3	<08:00--	J3E/U		315	CLN	FISHING TRAWLERS	OF84wx	WIA	
14031.4	3	2010	7	4	08:45>	J3E/U		315	CLN	NON AMATEUR CHINESE			
14031.4	3	2010	7	4	<23:35--	J3E/U		315	CLN	SPEAKING ;OM-OM.;	OF84wx	WIA	
14031.4	3	2010	7	4	00:17>	J3E/U		315	CLN	FISHING TRAWLERS	OF84wx	WIA	

14031.4	3	2010	7	5	23:44--00:05	J3E/U	315	CLN	2 Males	OF84wx	WIA
14031.4	3	2010	7	6	<23:35--23:54	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	10	<00:00--00:12	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	12	<00:00--00:22	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2020	7	12	08:40--09:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	12	23:15--00:10	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	13	08:00--09:10>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	13	23:15--00:25	J3/EU	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	14	23:30--00:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	15	<23:16--00:17	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	16	<08:50--09:00	J3E/U	315	LN	Group of males	OF84wx	WIA
14031.4	3	2010	7	16	<23:25--00:08	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2010	7	17	23:30--00:12	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	18	08:28--09:05	J3E/U	315	LN	2 males	OF84wx	WIA
14031.4	3	2010	7	18	<23:25--00:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2010	7	18	08:15--08:40	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	19	<23:18--00:17	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2010	7	20	07:47--09:18	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2010	7	20	23:37--00:12	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	21	<06:55--08:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	21	23:47--00:18	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	22	<06:30--07:45	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	22	23:24--23:37>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	23	07:46--08:53	J3E/U	315	CLN	2 males	OF84wx	WIA
14031.4	3	2010	7	23	23:15--00:30>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	201	7	26	23:15--00:12	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	27	07:00--08:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
					<23:50--						
14031.4	3	2010	7	27	01:45>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	28	07:52--09:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
					<23:45--						
14031.4	3	2010	7	29	00:15>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	30	07:33--08:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.4	3	2010	7	31	23:40--00:24	J3E/U	315	CLN	Group of males	OF84wx	WIA
14031.5	3	2010	7	1	0800-'1015	J3E/U			DAILY, ASIAN	QG52XI	WIA
14032.0	5	2010	7	21	0730	G7D				QG52XI	WIA
									SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		
14032.8		2010	07	24	<0155-0205>	J3E/U		CLN UNID		MK82	ARSI
									SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		
14032.9		2010	07	23	<0315-0325>	J3E/U		CLN UNID		MK82	ARSI
									SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		
14033		2010	07	25	<1115-1125>	J3E/U		CLN UNID		MK82	ARSI
14033	3	2010	7	27	06:52--08:32	J3E/U	315	CLN	2 males	OF84wx	WIA
14033	3	2010	7	28	07:23--07:48	J3E/U	360	INS	Group of males	OF84wx	WIA

14033.2	3	2010	7	12	23:18--23:50	J3E/L	315	CLN	Group of males	OF84wx	WIA
14033.3	3	2010	7	7	0705	J3E/U			ASIAN	QG52XI	WIA
14033.3	3	201	7	28	07:54--08:12	J3E/U	315	CLN	Group of males, on-off	OF84	WIA
14033.3	3	2010	7	31	<08:04--08:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14033.4	3	2010	7	2	0710	J3E/L			DAILY, ASIAN	QG52XI	WIA
14033.5	3	2010	7	29	23:15--23:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
									NON AMATEUR CHINESE		
14037		2010	07	26	<1200-1215>	J3E/U		CHN UNID	SPEAKING ;OM-OM.;		
14038.8	3	2010	7	3	23:30--00:00	J3E/L	315	CLN	FISHING TRAWLERS	MK82	ARSI
14038.8	3	2010	7	6	23:17--00:20>	J3E/L	315	CLN	2 males	OF84wx	WIA
14038.8	3	2010	7	8	23:40--00:20>	J3E/L	315	CLN	Group of males	OF84wx	WIA
14038.8	3	2010	7	15	<23:16--23:36	J3E/L	315	CLN	Group of males	OF84wx	WIA
14038.8	3	2010	7	16	>23:15--23:47	J3E/L	315	CLN	Group of males	OF84wx	WIA
14038.8	3	2010	7	30	23:47--00:00	J3E/L	315	CLN	2 males	OF84wx	WIA
14038.8	3	2010	7	31	23:15--23:55	J3E/L	315	CLN	Group of males	OF84wx	WIA
14039.0	3	2010	7	1	0855-0950	J3E/L			DAILY, ASIAN	QG52XI	WIA
14040.0	3	2010	7	23	2235	J3E/U			ASIAN, NOT CHINESE	QG52XI	WIA
14042.7	3	2010	7	9	0940	J3E/U		CHN		QG52XI	WIA
									ASIAN, PROBABLY		
14044.5	3	2010	7	14	0740	J3E/L			CHINESE, FAMILY NET	QG52XI	WIA
14045.0	1	2010	7	8	0720 & 2145	F1B			DAILY, SHORT BURSTS	QG52XI	WIA
									ASIAN, PROBABLY		
14045.6	3	2010	7	18	0735	J3E/U			CHINESE	QG52XI	WIA
14046	3	2010	7	14	<09:09--09:14	J3E/U	360		Male-female, Chinese	OF84wx	WIA
14046	3	2010	7	27	08:22--08:35	J3E/U	360		Male-female, Chinese	OF84wx	WIA
									DAILY, ASIAN, NOT		
14048.0	3	2010	7	3	0500-0730	J3E/U			CHINESE	QG52XI	WIA
									SRI LANKAN FISHING		
									TRAWLERS IN SINHALA		
14050		2010	07	24	<1335-1345>	J3E/U		CLN UNID	LANGUAGE ONLY -- 2 OM	MK82	ARSI
									SRI LANKAN FISHING		
14050		2010	07	25	<0255--	J3E/U		CLN UNID	TRAWLERS IN SINHALA	MK82	ARSI
					0300>				LANGUAGE ONLY -- 2 OM		
14050.0	20	2010	7	26	0435	P0N			SHORT BURSTS	QG52XI	WIA
14050	3	2010	7	4	08:40--09:05>	J3E/L	315	CLN	2 males	OF84wx	WIA
					<23:25--						
14050	3	2010	7	4	00:17>	J3E/L	315	CLN	Group of males	OF84wx	WIA
14050	3	2010	7	9	<23:40--00:10	J3E/L	315	CLN	2 males	OF84wx	WIA
									Male-female, Chinese,		
14050	3	2010	7	14	<08:40--08:57	J3E/U	360		woman screaming	OF84wx	WIA
14050.2	3	2010	7	8	23:15--23:45	J3E/L	315	CLN	Group of males	OF84wx	WIA
14050.2	3	2010	7	8	23:15--23:55	J3E/L	315	CLN	Group of males	OF84wx	WIA
14050.2	3	2010	7	10	<23:45--00:18	J3E/L	315	CLN	Group of males	OF84wx	WIA
14050.5	3	2010	7	4	0000-0800	J3E/L		CHN	DAILY	QG52XI	WIA
									3 CARRIERS, 300 HZ		
14050.8	3	2010	7	2	0125-0745	G7D		HIGH	SPACING	QG52XI	WIA
14050.8	1	2010	7	16	0800	F1B	250		MODEST BAUD RATE BUT	QG52XI	WIA

14052.0	3	2010	7	13	0225	J3E/U		PHL	NO DECODES			
14052.0	5	2010	7	19	0755	G7D			TAGALOG, FISHBOATS,	QG52XI	WIA	
14053.8	3	2010	7	24	23:15--00:26	J3E/L	315	CLN	ENGINE NOISE	QG52XI	WIA	
14053.8	3	2010	7	25	07:45--08:12>	J3E/L	315	CLN	Group of males	OF84wx	WIA	
14053.8	3	2010	7	28	06:50--07:12	J3E/U	360	INS	2 males	OF84wx	WIA	
14053.8	3	2010	7	28	<08:25--08:32	J3E/U	360	INS	1 female talking, no reply on	OF84wx	WIA	
14054.0	3	2010	7	2	2240-0710	J3E/L			this frequenct	OF84wx	WIA	
14054.0	3	2010	7	19	0855	J3E/U			1 female talking, no reply on	OF84wx	WIA	
14054	3	2010	7	15	08:36--08:38	J3E/U	360		this Frequency	OF84wx	WIA	
14055.5	3	2010	7	27	07:00--08:50	J3E/U	315	CLN	DAILY, ASIAN, NOT	OF84wx	WIA	
14055.5	3	2010	7	27	<23:42--	J3E/U	315	CLN	CHINESE	QG52XI	WIA	
14055.5	3	2010	7	28	01:45>	J3E/U	315	CLN	ASIAN, NOT CHINESE	QG52XI	WIA	
14056.4	3	2010	7	1	0930	J3E/U			Female calling, no reply	OF84wx	WIA	
14060.0	3	2010	7	21	0730	J3E/U			Group of males	OF84wx	WIA	
14065.0	6	2010	7	3	0000-0030	A3E		PHL				
14065	6	2010	7	5	23:45--00:15	A3E	360	INS	Group of males	OF84wx	WIA	
14065	6	2010	7	6	23:45--00:20>	A3E	360	INS	ASIAN, PROBABLY	OF84wx	WIA	
14065	6	2010	7	8	23:15>	A3E	360	INS	CHINESE	OF84wx	WIA	
14065	6	2010	7	11	<23:50--00:30	A3E	360	INS	DAILY, ASIAN	OF84wx	WIA	
14065	6	2010	7	13	23:30--00:30	A3E	360	INS	VOA IMD	OF84wx	WIA	
14066.5		2010	07	24	<1340-1345>	J3E/U		CLN UNID	Re/broadcast of Indonesian			
14069		2010	07	11	<0230-0240>	J3E/U		CLN UNID	news service	MK82	ARSI	
14069	3	2010	7	16	<08:50--09:02	J3E/U	360	INS	Re/roadcast of Indonesian	MK82	ARSI	
14071.7	3	2010	7	12	23:25--23:50	J3E/U	315	CLN	news service	OF84wx	WIA	
14076.0	3	2010	7	29	0745	J3E/U			Re/roadcast of Indonesian	OF84wx	WIA	
14076	6	2010	7	1	1220	A3E		PHL	news service	OF84wx	WIA	
14077.5		2010	07	05	<0320-0330>	J3E/U		CLN UNID	Re/broadcast of Indonesian			
14088.8	3	2010	7	31	08:00--08:06	J3E/U	360	INS	SRI LANKAN FISHING	MK82	ARSI	
14091	3	2010	7	3	23:35--23:50	J3E/U	315	CLN	TRAWLERS IN SINHALA	MK82	ARSI	
14098.4	3	2010	7	22	<23:50--00:00	J3E/U	360		LANGUAGE ONLY -- 2 OM	OF84wx	WIA	
									SRI LANKAN FISHING	OF84wx	WIA	
									TRAWLERS IN SINHALA	OF84wx	WIA	
									LANGUAGE ONLY -- 2 OM	OF84wx	WIA	
									2 males	OF84wx	WIA	
									Group of males	OF84wx	WIA	
									2 males, Chinese	OF84wx	WIA	

14098.5	3	2010	7	15	0855<08:33--08:40>	J3E/U					ASIAN	QG52XI	WIA	
14102	3	2010	7	15		J3E/U		360	INS		Male-female	OF84wx	WIA	
14102	3	2010	7	31	<07:46--09:10	J3E/U		360	INS		Male-female	OF84wx	WIA	
14104.3		2010	07	04	<1000-1015>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM DAILY. JFBM DE 8WHQ QBY QYT9. ALSO H9LO, FGMH, NON-ENGLISH CHARACTERS APPROX 20 CARRIERS ON 50 HZ SPACING. CONTINUOUS TRANSMISSION >30 MIN	MK82	ARSI	
14107.9		2010	7	11	0720-0945	A1A				8WHQ	Group of males	QG52XI	WIA	
14110.0	3	2010	7	19	0820	G7D					APPROX 20 CARRIERS ON 50 HZ SPACING. CONTINUOUS TRANSMISSION >30 MIN	QG52XI	WIA	
14110.8	3	2010	7	11	<23:25--23:55	J3E/L		315	CLN		Group of males	OF84wx	WIA	
14114	3	2010	7	23	<08:20--08:26	J3E/U		360			Male-female, Chinese	OF84wx	WIA	
14116	3.3k	2010	07	01	<1030>	M7B	1030		?	Unid	Phase Mod. Multi-channel 1 female talk to someone on another channel QRM to TRAVNET !	RF72LQ	NZART	ZL1BAD
14116	3	2010	7	3	02:50--02:52	J3E/U		360	INS		1female talk to someone on another channel, QM to TRAVNET	OF84wx	WIA	
14116	3	2010	7	3	03:08--03:14	J3E/U		360	INS		1female talk to someone on another channel, QM to TRAVNET	OF84wx	WIA	
14117.1	3	2010	7	19	0855	J3E/U			PHL		FAMILY NET	QG52XI	WIA	
14117.4	3	2010	7	22	0815-0935	J3E/U			CHN		DAILY, FAMILY NET	QG52XI	WIA	
14119.9	1	2010	7	6	0835-'0915	F1B	HIGH 250				DAILY, NO DECODES	QG52XI	WIA	
14122.0	3	2010	7	19	0840	J3E/U			PHL		FAMILY NET	QG52XI	WIA	
14132.0	12	2010	7	15	0850	G7D						QG52XI	WIA	
14133.7	3	2010	7	1	0925	J3E/U			CHN			QG52XI	WIA	
14135	20k	2010	07	08	<2330>	P0N	2330 0425-0530		?	Unid	OTHR 5 sec. burst every 25 secs.	RF72LQ	NZART	ZL1BAD
14135	20k	2010	07	09	<0425>	P0N			?	Unid	OTHR 10 second burst every 25 secs.	RF72LQ	NZART	ZL1BAD
14135.0	6	2010	7	23	2200-2300	A3E			PHL		VOA IMD	QG52XI	WIA	
14140.0	20	2010	7	1	0925	P0N					OTHR	QG52XI	WIA	
14141.2		2010	07	02	<0725-0735>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14147.0	3	2010	7	6	0910	J3E/U					ASIAN	QG52XI	WIA	
14150	3	2010	7	7	08:35--08:47	J3E/U		360			2 males	OF84wx	WIA	
14151.3		2010	07	26	<1335-1345>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14153.3	3	2010	7	10	0900	J3E/U			CHN		DAILY, FAMILY NET	QG52XI	WIA	
14153.5	3	2010	7	15	0845	J3E/L					ASIAN, NOT CHINESE SHORT-LIVED, REPLACED BY G7D, SEE BELOW	QG52XI	WIA	
14167.0	1	2010	7	14	0725	F1B						QG52XI	WIA	

14167.0	5	2010	7	14	0725	G7D							QG52XI	WIA	
14170.0	20	2010	7	1	0920	P0N						OTHR	QG52XI	WIA	
14180.0	50	2010	7	21	0750	P0N							QG52XI	WIA	
14183	22	2010	7	31	0430	P0N	330	Unknown				OTHR		WIA	
14186.0	3	2010	7	6	0910	J3E/L						ASIAN, SOUNDS CHINESE ASIAN, NOT CHINESE, FAMILY NET	QG52XI	WIA	
14189.9	3	2010	7	15	0840	J3E/U							QG52XI	WIA	
14195		2010	7	05	<0709>	P0N	0705	300	?	Unid		OTHER S8	RF73MF	NZART	ZL1GWE
14200.0	3	2010	7	6	0855-0940	J3E/L						DAILY, ASIAN, FAMILY NET	QG52XI	WIA	
14201.0	3	2010	7	29	0805	F1B						SHORT BURSTS LIKE SELCAL	QG52XI	WIA	
14202.0	3	2010	7	5	0830	J3E/L						ASIAN, NOT CHINESE, FAMILY NET	QG52XI	WIA	
14218	10	2010	7	26	0130>	P0N			Unknown			5 sec bursts every 35 secons	QF22ML	WIA	
14220.0	50	2010	7	8	0805	P0N						SHORT BURSTS	QG52XI	WIA	
14230.7	3	2010	7	21	0905	J3E/U						ASIAN, FAMILY NET	QG52XI	WIA	
14233	10	2010	7	7	0445>	P0N			Unknown			Intermittent bursts	QF22ML	WIA	
14235.0	3	2010	7	1	0915	J3E/U						ASIAN, FAMILY NET ASIAN, PROBABLY CHINESE	QG52XI	WIA	
14236.6	3	2010	7	21	0745	J3E/U						DAILY, SW BROADCAST	QG52XI	WIA	
14250.0	6	2010	7	1	0910	A3E		KRE					QG52XI	WIA	
14255.8	3	2010	7	21	0905	J3E/U		CHN				FAMILY NET	QG52XI	WIA	
14258.1	3	2010	7	19	'0930	J3E/U		CHN				FAMILY NET	QG52XI	WIA	
14270.0	3	2010	7	10	0900	J3E/U		CHN				FAMILY NET	QG52XI	WIA	
14275.8	3	2010	7	19	0930	J3E/U		CHN				FAMILY NET	QG52XI	WIA	
14277.7	3	2010	7	1	00:57--01:16	J3E/U		360	INS			Male-female pass coded messages (weather info)	OF84wx	WIA	
14277.7	3	2010	7	3	00:54--00:55	J3E/U		360	INS			1 male calling, no resonse	OF84wx	WIA	
14277.7	3	2010	7	3	01:30--01:31	J3E/U		360	INS			1 male calling, no response	OF84wx	WIA	
14277.7	3	2010	7	3	01:55--02:05	J3E/U		360	INS			Male-female pass coded messages (weather info)	OF84wx	WIA	
14277.7	3	2010	7	4	01:01--01:02	J3E/U		360	INS			1male calling no response	OF84wx	WIA	
14277.7	3	2010	7	4	01:25--01:26	J3e/U		360	INS			1 male calling, no response	OF84wx	WIA	
14277.7	3	2010	7	4	01:32--01:34	J3E/U		360	INS			Male-female both calling but cannot hear each other	OF84wx	WIA	
14277.7	3	2010	7	4	01:45--01:47	J3E/U		360	INS			2 males pass coded messages(weather info)	OF84wx	WIA	
14277.7	3	2010	7	5	01:20--01:28	J3E/U		360	INS			2 male 1 female pass coded messages (weather info)	OF84wx	WIA	
14277.7	3	2010	7	6	00:45--00:46	J3E/U		360	INS			2 males no coded messages yet	OF84wx	WIA	
14277.7	3	2010	7	5	01:16--01:40	J3E/U		360	INS			2 males-1 female pass coded messages (weather info)	OF84wx	WIA	
14277.7	3	2010	7	8	00:45--01:03	J3E/U		360	INS			3 males calling, no messages yet	OF84wx	WIA	
14277.7	3	2010	7	8	01:15--01:20	J3E/U		360	INS			1 male calling, no response	OF84wx	WIA	

14277.7	3	2010	7	8	01:37--01:40	J3E/U	360	INS	2 males pass coded messages, (weather info)	OF84wx	WIA
14277.7	3	2010	7	9	00:29--00:31	J3E/U	360	INS	Male-female, no messages yet	OF84wx	WIA
14277.7	3	2010	7	9	00:55--00:56	J3E/U	360	INS	1 male calling, no reply	OF84wx	WIA
14277.7	3	2010	7	10	00:43--00:45	J3E/U	360	INS	2 males talking, no messages yet	OF84wx	WIA
14277.7	3	2010	7	10	00:49--00:50	J3E/U	360	INS	2 males calling. no messages yet	OF84wx	WIA
14277.7	3	2010	7	10	01:13--01:21	J3E/U	360	INS	2 males pass coded messages, (weather info)	OF84wx	WIA
14277.7	3	2010	7	12	00:50--00:54	J3E/U	360	INS	2 males pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	13	00:40-00:43	J3E/U	360	INS	Male-female, no messages yet	OF84wx	WIA
14277.7	3	2010	7	13	00:47--00:48	J3E/U	360	INS	2 males, no messages yet	OF84wx	WIA
14277.7	3	2010	7	13	01:19--01:21	J3E/U	360	INS	Male-female. pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	13	02:04--02:05	J3E/U	360	INS	1 male calling. no response	OF84wx	WIA
14277.7	3	2010	7	14	01:11--01:12	J3E/U	360	INS	Male-female. no messages yet	OF84wx	WIA
14277.7	3	2010	7	15	01:34--01:35	J3E/U	360	INS	Male-female, no messages yet	OF84wx	WIA
14277.7	3	2010	7	15	01:55--02:00	J3E/U	360	INS	Male-female, pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	16	01:16--01:20	J3E/U	360	INS	1 male calling seeral times, no reply	OF84wx	WIA
14277.7	3	2010	7	16	01:53--02:03	J3E/U	360	INS	2 males 1 female pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	17	00:34--00:44	J3E/U	360	INS	Male-female, no messages yet	OF84wx	WIA
14277.7	3	2010	7	20	00:45--00:46	J3E/U	360	INS	Male-female, no messages	OF84wx	WIA
14277.7	3	2010	7	20	01:12--01:13	J3E/U	360	INS	1 male calling, no reply	OF84wx	WIA
14277.7	3	2010	7	20	01:17--01:18	J3E/U	360	INS	2 ,males, no messages passed	OF84wx	WIA
14277.7	3	2010	7	21	00:28--00:30	J3E/U	360	INS	Male-female pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	21	01:49--01:52	J3E/U	360	INS	3 males pass oded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	21	02:10--02:18	J3E/U	360	INS	Male-female pass coded messages (weather info)	OF84WX	WIA
14277.7	3	2010	7	23	00:50--01:00	J3E/U	360	INS	2 males pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	23	01:25--01:30	J3E/U	360	INS	Male-female pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	24	01:27--01:35	J3E/U	360	INS	Male-female, pass coded messages (weather info)	OF84wx	WIA
14277.7	3	2010	7	25	01:05--01:06	J3E/U	360	INS	2 males calling. no messages	OF84wx	WIA
14277.7	3	2010	7	25	01:13--01:14	J3E/U	360	INS	2 males no messages yet	OF84wx	WIA

14277.7	3	2010	7	25	01:40--01:43	J3E/U	360	INS	Male-female just chat, no messages	OF84wx	WIA			
14277.7	3	2010	7	26	00:33--00:35	J3E/U	360	INS	1 male calling, no eply	OF84wx	WIA			
14277.7	3	2010	7	27	00:37--00:38	J3E/U	360	INS	2 males calling, no messages	OF84wx	WIA			
14277.7	3	2010	7	27	01:06--01:07	J3E/U	360	INS	2 males. no messages yet	OF84wx	WIA			
14277.7	3	2010	7	27	01:35--01:38	J3E/U	360	INS	Group of males, no messages yet	OF84wx	WIA			
14277.7	3	2010	7	27	02:18--02:20	J3E/U	360	INS	1 male 1 female calling. no messages yet	OF84wx	WIA			
14277.7	3	2010	7	28	00:25--00:28	J3E/U	360	INS	Male-female calling and chat	OF84wx	WIA			
14277.7	3	2010	7	28	00:35--00:36	J3E/U	360	INS	1 male calling. no reply	OF84wx	WIA			
14277.7	3	2010	7	28	01:10--01:24	J3E/U	360	INS	2 males pass coded messages (weather info)	OF84wx	WIA			
14277.7	3	2010	7	29	00:43--00:44	J3E/U	360	INS	1 male calling, no reply	OF84wx	WIA			
14277.7	3	2010	7	29	00:52--00:58	J3E/U	360	INS	Male-female pass coded messages (weather info)	OF84wx	WIA			
14277.7	3	2010	7	29	01:06--01:21	J3E/U	360	INS	2 males pass coded messages (weather info)	OF84wx	WIA			
14277.7	3	2010	7	30	01:04--01:12	J3E/U	360	INS	Male-female pass coded messages (weather info)	OF84wx	WIA			
14277.7	3	2010	7	30	01:31--01:32	J3E/U	360	INS	Male-female calling, no copy with each other	OF84wx	WIA			
14277.7	3	2010	7	30	02:00--02:01	J3E/U	360	INS	Male-female calling, no copy with each other	OF84wx	WIA			
14277.7	3	2010	7	31	01:25--01:26	J3E/U	360	INS	Male-female, no messages yet	OF84wx	WIA			
14280.0	10	2010	7	1	0710-0905	P0N			DAILY, OTHR	QG52XI	WIA			
14288.0	3	2010	7	9	0915	J3E/U		CHN	FAMILY NET	QG52XI	WIA			
14290.0	6	2010	7	23	2200-2330	A3E		PHL	VOA IMD	QG52XI	WIA			
14300.0	3	2010	7	5	0820	J3E/U			DAILY, ASIAN, NOT CHINESE	QG52XI	WIA			
14305.6	3	2010	7	6	0840	J3E/U			ASIAN, SOUNDS CHINESE	QG52XI	WIA			
14310.0	6	2010	7	23	2300-2330	A3E		PHL	VOA IMD	QG52XI	WIA			
14317.1	3	2010	7	10	0900	J3E/U		CHN	FAMILY NET	QG52XI	WIA			
14320.0	3	2010	7	8	0805	J3E/U		CHN		QG52XI	WIA			
14321.0	3	2010	7	21	0745	F1B			STRANGE REPEATED DATA SEQUENCE - SELCAL MAYBE?	QG52XI	WIA			
14336.0	1	2010	7	5	0820-0915	F1B	200		DAILY, MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA			
14338.5	3	2010	7	13	0830	J3E/U			ASIAN, NOT CHINESE	QG52XI	WIA			
14339.0	5	2010	7	10	0900	G7D				QG52XI	WIA			
14340.0	6	2010	7	23	2300-2330	A3E		PHL	VOA IMD	QG52XI	WIA			
14340.8	3	2010	7	6	0840	J3E/U			ASIAN, SOUNDS CHINESE	QG52XI	WIA			
18107		2010	07	DY	HX	HX	F1A/F1B	250	RUS	Unid	SHORE STN	RF72LQ	NZART	ZL1BAD
21000.3		2010	7	24	<0100-0115>	0100	N0N	270	?	Unid	Carrier with steady beat - 1 second - then stopped and	RF73MF	NZART	ZL1GWE

21021		2010	07	11	<0530-0540>	J3E/U		CLN	UNID	sporadic then QRT			
21100.0	20	2010	7	1	0915	P0N				SRI LANKAN FISHING	MK82	ARSI	
21100.0	20	2010	7	10	0310	P0N				TRAWLERS IN SINHALA	QG52XI	WIA	
										LANGUAGE ONLY – 2 OM	QG52XI	WIA	
										OTHR			
										OTHR			
										CB PLL splashes S0 10-10			
										during International Chapter			
28530		2010	7	09	<2230>	A3E	300	?	Unid	Net	RF73MF	NZART	ZL1GWE
6985	110k	2010	7	27	<1920>	M7D	315	?	Unid	PRC OTHR Radar	RF73MF	NZART	ZL1GWE
										Out of Band OTHR with spill			
7000	175k	2010	07	DY	<1715>	P0N		CHN	Unid	over to 7010 - Most days	RF72LQ	NZART	ZL1BAD