



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



December 2010

Peter Young VK3MV

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

This month there were 990 observations made. Some multiple loggings of the same station/freq have been deleted.

Last month I reported that a Stereo Radar system commonly known as an OTHSAR system used for detecting airborne targets is operational across 40 meters. Further reports are requested, particularly bearing information. This intruder has been reported to the Australian spectrum regulator (ACMA) who has not been able to provide any identification information at this time.

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, your reports are really appreciated. Keep them coming.

Peter – VK3MV

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3500.2		2010	12	19	<0830>	0830-0835	A1E				RUS	RIR2	Apparently legal RIR2 OTC AAAA Russian Military Unit	RF80HL	NZART	ZL2iFB
3797.00	0.5	2010	12	10		22:43							[JA3L JA3L JA3L DE UN2T UN2 TV]		JARL	
6855	326	2010	12	14	<1749>	1749-1949	P0N			300	?	Unid	OTHR Stereo radar tractor like sound S8	RF73MF	NZART	ZL1GWE
6990.5	111	2010	12	04	<0655>	0655-0829	P0N			300	?	Unid	OTHR Suspect OTHSAR Tractor type sound S9	RF73MF	NZART	ZL1GWE
6990.5	55.5	2010	12	05	<0430>	0430	P0N			45	?	Unid	OTHR but with multiple frequencies/signals like a grid pattern S8 44 PPS NON AMATEUR CHATTING, LAUGHING, SINGING. Indonesians non-hams (as usual)	RF73MF	NZART	ZL1GWE
7000		2010	12	29	<1355-1405>		J3E/U					INS	UNID	MK82	ARSI	
7000		2010	12	29	<1010>	1010	J3E/L					INS	Unid	RF72IS	NZART	ZL1BYA
7000		2010	12	15	<1650>	1650	J3E/L					?	Unid	RF72LQ	NZART	ZL1BAD
7000		2010	12	16	<1715>	1715	J3E/L					?	Unid	RF72LQ	NZART	ZL1BAD
7000	10	2010	12	DY	<1700>	1700-2035	P0N					CHN	Unid	RF72LQ	NZART	ZL1BAD
7000.0	3	2010	12	5	0635-1000		J3E/U					INS		QG52xi	WIA	VK4TJ
7000.07	0.5	2010	12	07		14:33							Train of " M "		JARL	
7002	84	2010	12	04	<0707>	0707	P0N					?	Unid	RF73MF	NZART	ZL1GWE
7011.7		2010	12	10	<0125-0135>		J3E/U					CLN	UNID	MK82	ARSI	
7012		2010	12	27	<0943>	0943	F1B	200	500			?	Unid	RF72IS	NZART	ZL1BYA
7012.0	1	2010	12	27	1000-1230		F1B							QG52xi	WIA	
7013	3	2010	12	30	1236		F1B			non	non	non	now on air		JARL	non
7014		2010	12	11	<1054>	1054-1120	F1B	75	250			RUS	REA4	RF72IS	NZART	ZL1BYA
7015		2010	12	10	<0125-0135>		J3E/U					CLN	UNID	MK82	ARSI	
7017	34	2010	12	03	1816		P0N			non	non	non			JARL	non
7017	34	2010	12	29	1806		P0N			non	non	non			JARL	non
7018		2010	12	11	<1130>	1130-	F1B	50	1000			RUS	REA4	RF72IS	NZART	ZL1BYA

7018		2010	12	14	<1745>	1217 1745- 1949	F1B	50	1000		RUS	REA4	Encrypted S1 reduced to carrier at 1949z	RF73MF	NZART	ZL1GWE
7018		2010	12	DY	<1600>	1600- 2115	F1B				RUS	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7018.5	1	2010	12	25	2125		F1B							QG52xi	WIA	
7020	3	2010	12	09	1216		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	14	1208		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	15	1216		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	19	1050		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	20	1808		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	21	1216		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	22	1242		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	22	1906		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	23	1208		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	24	1804		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	25	1210		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	25	1604		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	26	1210		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	26	1604		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	27	1206		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	27	1808		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	28	1234		F1B		non	non	non		IDL only		JARL	non
7020	3	2010	12	28	1808		F1B		non	non	non		now on air		JARL	non
7020	100+	2010	12	04	<1715>	1715	P0N				?	Unid	Out of band OTHR spreading to 7020. 45 PPS	RF72LQ	NZART	ZL1BAD
7020	100+	2010	12	11	<1730>	1730	P0N				?	Unid	Out of band OTHR spreading to 7020. 45 PPS	RF72LQ	NZART	ZL1BAD
7020	40	2010	12	16	<1700>	1700	VXX				?	Unid	CODAR 15 PPS	RF72LQ	NZART	ZL1BAD
7023	34	2010	12	07	0814		P0N		non	non	non		7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	12	20	1606		P0N		non	non	non		7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	12	28	1812		P0N		non	non	non		7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7023	34	2010	12	30	1828		P0N		non	non	non		7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?		JARL	non
7037	18	2010	12	09	<1000>	1000- 1155	VXX				?	Unid	CODAR sea state radar, faded into the noise	RF72IS	NZART	ZL1BYA
7038.7		2010	12	7	0925		A1A				RU	M	HARBOUR BEACON	QG52xi	WIA	
7038.9		2010	12	27	0950		A1A				RU	S	HARBOUR BEACON	QG52xi	WIA	
7039		2010	12	DY	H24	H24	A1A				RUS	A	Astrakhan (No call sign)	RF72LQ	NZART	ZL1BAD
7039.0		2010	12	DY	H24	H24	A1A				RUS	C	Moscow - Beacon C (RWW)	RF72LQ	NZART	ZL1BAD

7039		2010	12	DY	H24	H24	A1A		RUS	F	Vladivostok - Beacon F (RJS)	RF72LQ	NZART	ZL1BAD
7039.0		2010	12	7	0925		A1A		RU	K	HARBOUR BEACON	QG52xi	WIA	
7039	0.5	2010	12	01	0732		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	12	01	0040	anytime	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039		2010	12	DY	H24	H24	A1A		RUS	P	Kaliningrad - Beacon P (RMP)	RF72LQ	NZART	ZL1BAD
7039.2		2010	12	7	0925		A1A		RU	F	HARBOUR BEACON	QG52xi	WIA	
7039.20	0.5	2010	12	11		19:09					Train of " M "		JARL	
7039.24	0.5	2010	12	09		17:52					Train of " F "		JARL	
7039.26	0.5	2010	12	09		17:53					Train of " K "		JARL	
7039.29	0.5	2010	12	07		14:43					Train of " F "		JARL	
7039.3		2010	12	DY	H24	H24	A1A		RUS	K	Petropavlovsk - Beacon K (RCC)	RF72LQ	NZART	ZL1BAD
7039.35	0.5	2010	12	10		22:24					Train of " K "		JARL	
7039.36	0.5	2010	12	07		14:36					Train of " K "		JARL	
7039.4		2010	12	DY	H24	H24	A1A		RUS	M	Magadan - Beacon M (RTS)	RF72LQ	NZART	ZL1BAD
7039.48	0.5	2010	12	07		14:36					Train of " M "		JARL	
7039.50	0.5	2010	12	10		22:23					Train of " O "		JARL	
7039.9		2010	12	DY	H24	H24	A1A		RUS	S	Severomorsk - Beacon S (RIT)	RF72LQ	NZART	ZL1BAD
7042		2010	12	10	<0125-0135>		J3E/U		CHN	UNID	CHINESE SPEAKING; FISHING TRAWLERS-0M-0M	MK82	ARSI	
7044	3	2010	12	02	1012		F1B	non	non	non	now on air		JARL	non
7044	3	2010	12	05	1718		F1B	non	non	non	now on air		JARL	non
7044	3	2010	12	05	1806		F1B	non	non	non	now on air		JARL	non
7044		2010	12	DY	<1130>	1130-2015	F1B		?	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7045	3	2010	12	08	1808		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	09	1812		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	15	1610		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	15	1816		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	16	1604		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	16	1808		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	17	1608		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	17	1806		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	18	1206		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	18	1606		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	18	1812		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	26	1806		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	27	1036		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	27	1810		F1B	non	non	non	IDL only		JARL	non
7045	3	2010	12	28	1604		F1B	non	non	non	now on air		JARL	non
7045	3	2010	12	28	1810		F1B	non	non	non	now on air		JARL	non
7045		2010	12	27	<0230-0235>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	

Frequency	Mode	Year	Month	Day	Time	Call	Power	Mod	Ident	Notes	Station	Other	Other	
7045.9		2010	12	29	0940	A1A				LANGUAGE ONLY – 2 OM 4 CHAR MIXED NUMBER/LETTER CIPHER	QG52xi	WIA		
7046		2010	12	29	<1355- 1405>	J3E/U		CLN	UNID	OM	MK82	ARSI		
7059	34	2010	12	31	1028	P0N		non	non	7042KHz ~7076KHz wide pulse mode P0N OTHR ?		JARL	non	
7059	34	2010	12	31	1218	P0N		non	non	7042KHz ~7076KHz wide pulse mode P0N OTHR ?		JARL	non	
7063		2010	12	04	<1730>	F1B	1000	?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD	
7063		2010	12	28	<1020>	F1B	75	500	?	Unid	Encrypted.	RF72IS	NZART	ZL1BYA
7064	3	2010	12	28	1010	F1B		non	non	now on air		JARL	non	
7069	3	2010	12	04	2214	F1B		non	non	now on air		JARL	non	
7070	40	2010	12	04	<1730>	P0N			?	Unid	RF72LQ	NZART	ZL1BAD	
7070	40	2010	12	05	<1155>	P0N			?	Unid	RF72LQ	NZART	ZL1BAD	
7074	34	2010	12	12	1614	P0N		non	non	7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?		JARL	non	
7077	34	2010	12	12	1034	P0N		non	non	7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?		JARL	non	
7077	34	2010	12	26	1214	P0N		non	non	7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?		JARL	non	
7077	34	2010	12	30	1240	P0N		non	non	7060KHz ~ 7094KHz wide pulse mode P0N OTHR ?		JARL	non	
7078.83	0.5	2010	12	07						Train of " M "		JARL		
7080	30	2010	12	11	<1630>	VXX			?	Unid	RF72LQ	NZART	ZL1BAD	
7080	30	2010	12	12	<1630>	VXX			?	Unid	RF72LQ	NZART	ZL1BAD	
7080	30	2010	12	27	<1630>	VXX			?	Unid	RF72LQ	NZART	ZL1BAD	
7081.5	33	2010	12	01	<0855>	VXX			?	Unid	RF72IS	NZART	ZL1BYA	
7082	32	2010	12	09	<1008>	VXX			?	Unid	RF72IS	NZART	ZL1BYA	
7083	34	2010	12	02	1016	P0N		non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non	
7083	34	2010	12	03	1618	P0N		non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non	
7083	34	2010	12	05	1720	P0N		non	non	7066KHz ~ 7100KHz		JARL	non	

7083	34	2010	12	05	1808		P0N	non	non	non	wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	07	1808	anytime	P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7083	34	2010	12	07	1944		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	09	1034		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	09	1816		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	11	1608		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	11	1812		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	12	1812		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	13	1810		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	14	0734		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	14	1618		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	14	1816		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	17	1808		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	18	0846		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	18	1610		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	18	1816		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non
7083	34	2010	12	19	1806		P0N	non	non	non	7066KHz ~ 7100KHz wide pulse mode P0N OTHR ?		JARL	non

7083	34	2010	12	21	1606		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	21	1804		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	22	1610		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	22	1910		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	23	1010		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	23	1614		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	23	1806		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	24	1808		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	25	1908		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	26	1606		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	26	1808	anytime	P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	PM97	JARL	non
7083	34	2010	12	27	1812		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	29	1608		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	34	2010	12	31	1608		P0N	non	non	non	OTHR ? 7066KHz ~ 7100KHz wide pulse mode P0N	JARL	non	
7083	38	2010	12	31	1810		P0N	non	non	non	OTHR ? 7064KHz ~ 7102KHz wide pulse mode P0N	JARL	non	
7083.5	35	2010	12	10	<0955>	0955-1130	VXX		?	Unid	CODAR sea state radar	RF72IS	NZART	ZL1BYA
7090	3.3	2010	12	21	<1140>	1140	M7B		?	Unid	Multi-channel, phase modulated	RF72LQ	NZART	ZL1BAD
7092	5	2010	12	20	1048		JM	non	non	non	white noise	JARL	non	

7100.0	100	2010	12	5	0740	P0N						QG52xi	WIA	
7105	3	2010	12	01	2216	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	02	2210	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	03	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	04	2204	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	05	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	06	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	07	2212	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	08	2208	A3E	non	non	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	09	2206	A3E	non	CHN	non	Chinese Talk and Music	anytime	PM97	JARL	non
7105	3	2010	12	10	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	11	2214	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	12	2210	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	13	2216	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	14	2204	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	15	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	16	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	17	2216	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	18	2208	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	19	2210	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	20	2214	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	21	2204	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	22	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	23	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	24	2208	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	25	2206	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	26	2216	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	27	2210	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	28	2226	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	29	2222	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	30	2208	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	3	2010	12	31	2220	A3E	non	CHN	non	Chinese Talk and Music			JARL	non
7105	5	2010	12	01	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	02	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	03	2204	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	04	2202	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	05	2204	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	06	2204	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	07	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	12	08	2206	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot

7105	5	2010	12	09	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	10	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	11	2212		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	12	2208		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	13	2214		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	14	2202		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	15	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	16	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	17	2214		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	18	2206		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	19	2208		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	20	2212		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	21	2206	anytime	A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2010	12	22	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	23	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	24	2206		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	25	2204		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	26	2214		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	27	2208		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	28	2224		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	29	2220		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	30	2206		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	12	31	2218		A3E	273	CHN	Meng PBS Nei	Chinese Talk and Music	JARL	Hohhot	
7106.2		2010	12	26	0930		A1A				Chinese Talk and Music 4 CHAR MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7108	44	2010	12	01	<0858>	0858- 1130	P0N		CHN	Unid	OTHR 43.1 ppsec	RF72IS	NZART	ZL1BYA

7144	36	2010	12	08	<0934>	0934-1104	VXX			?	Unid	CODAR sea state radar Encrypted, possibly Russian, this is one of their usual freq's	RF72IS	NZART	ZL1BYA
7144		2010	12	10	<1005>	1005-1130	F1B	75	250	?	Unid	OTHR S8 Stereo radar - tractor like sound	RF72IS	NZART	ZL1BYA
7146.5	35	2010	12	15	<1125>	1125	VXX			?	Unid	CODAR sea state radar	RF72IS	NZART	ZL1BYA
7147.5	55	2010	12	11	<0600>	0600-0637	P0N			?	Unid	OTHR OTHSAR Stereo radar type S1	RF73MF	NZART	ZL1GWE
7150	100	2010	12	05	<0707>	0708	P0N		300	?	Unid	OTHR S8 Stereo radar - tractor like sound	RF73MF	NZART	ZL1GWE
7150	40	2010	12	16	<1730>	1730	P0N			?	Unid	OTHR 40 PPS	RF72LQ	NZART	ZL1BAD
7154.5	59	2010	12	08	<0930>	0930-1104	P0N			CHN	Unid	OTHR 43.1 ppsec SPURIOUS INTERMODULATION PRODUCT	RF72IS	NZART	ZL1BYA
7160	4	2010	12	24	<0320-0325>		A3E			IND	CHENNAI	SPURIOUS INTERMODULATION PRODUCT	MK82	ARSI	
7160	3	2010	12	30	<0310-0315>		A3E			IND	CHENNAI	SPURIOUS INTERMODULATION PRODUCT	MK82	ARSI	
7163.5	69	2010	12	02	<0953>	0953-1110	P0N			CHN	Unid	OTHR 43.1 ppsec EAST AFRICAN BROADCASTER; DOMESTIC SERVICE;	RF72IS	NZART	ZL1BYA
7165	4	2010	12	13	<1545-1555>		A3E			UNID	UNID	B-C Same station on 7185	MK82	ARSI	
7165		2010	12	DY	<1630>	1630-1730	A3E			?	Unid	B-C Same station on 7185	RF72LQ	NZART	ZL1BAD
7165		2010	12	DY	<1630>	1630-1730	A3E			?	Unid	B-C Same station on 7185	RF72LQ	NZART	ZL1BAD
7175	4	2010	12	13	<1545-1555>		A3E			UNID	UNID	EAST AFRICAN BROADCASTER; DOMESTIC SERVICE;	MK82	ARSI	
7175	4	2010	12	25	<1355-1405>		A3E			UNID	UNID	EAST AFRICAN BROADCASTER; DOMESTIC SERVICE;	MK82	ARSI	
7175	4	2010	12	29	<1355-1405>		A3E			UNID	UNID	EAST AFRICAN BROADCASTER; DOMESTIC SERVICE;	MK82	ARSI	
7175		2010	12	01	<0925>	0925-1005	A3E			?	Unid	B.C. Stn. Female announcer, unable to get any ID when it went off air	RF72IS	NZART	ZL1BYA
7175		2010	12	13	<1815>	1815-2001	A3E			?	Unid	Closes at 2001	RF72LQ	NZART	ZL1BAD
7175		2010	12	14	<1955>	1955-2000	A3E			ERI	VOBM	BC Voice of the Broad Masses S1 QRT at 2000z	RF73MF	NZART	ZL1GWE
7180	40	2010	12	04	<1720>	1720-1800	P0N			?	Unid	OTHR 40 PPS	RF72LQ	NZART	ZL1BAD
7180		2010	12	16	<0705>	0705	F1B		500	?	Unid	Encrypted EAST AFRICAN BROADCASTER; DOMESTIC SERVICE;	RF72LQ	NZART	ZL1BAD
7185	4	2010	12	13	<1545-1555>		A3E			UNID	UNID	Multi-chnl.	MK82	ARSI	
7185	3.3	2010	12	31	<0750>	0750	M7B			?	Unid		RF72LQ	NZART	ZL1BAD

7185		2010	12	12	<1630>	1630	A3E			?	Unid	B-C strn. Same program as on 7165	RF72LQ	NZART	ZL1BAD
7188		2010	12	11	<1045>	1045-1220	F1B	75	250	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7188		2010	12	15	<1033>	1033-1116	F1B	75	250	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7190	7	2010	12	15	<0205-0215>		A3E				CLN	SLBC	MK82	ARSI	
7190	7	2010	12	28	<0225-0230>		A3E				CLN	SLBC	MK82	ARSI	
7200	6	2010	12	28	<0225-0230>		A3E				BRM	DOM.SER	MK82	ARSI	
7200	5	2010	12	01	1606		A3E			non	non	non		JARL	non
7200	3	2010	12	01	1812		A3E			non	non	non		JARL	non
7200	5	2010	12	02	1606		A3E			non	non	non		JARL	non
7200	5	2010	12	04	1610		A3E			non	non	non		JARL	non
7200	3	2010	12	04	1806		A3E			non	non	non		JARL	non
7200	3	2010	12	05	1812		A3E			non	non	non		JARL	non
7200	5	2010	12	06	1608		A3E			non	non	non		JARL	non
7200	5	2010	12	07	1606		A3E			non	non	non		JARL	non
7200	3	2010	12	07	1812		A3E			non	non	non		JARL	non
7200	5	2010	12	08	1604		A3E			non	non	non		JARL	non
7200	3	2010	12	08	1812		A3E			non	non	non		JARL	non
7200	5	2010	12	09	1606		A3E			non	non	non		JARL	non
7200	5	2010	12	10	1610		A3E			non	non	non		JARL	non
7200	3	2010	12	10	1818		A3E			non	non	non		JARL	non
7200	5	2010	12	11	1612		A3E			non	non	non		JARL	non
7200	5	2010	12	11	1816		A3E			non	non	non		JARL	non
7200	5	2010	12	12	1610		A3E			non	non	non		JARL	non
7200	5	2010	12	13	1610		A3E			non	non	non		JARL	non
7200	3	2010	12	13	1806		A3E			non	non	non		JARL	non
7200	5	2010	12	14	1614		A3E			non	non	non		JARL	non
7200	3	2010	12	14	1812	anytime	A3E			non	non	non	PM97	JARL	non
7200	3	2010	12	15	1614		A3E			non	non	non		JARL	non
7200	3	2010	12	15	1820		A3E			non	non	non		JARL	non
7200	5	2010	12	16	1608		A3E			non	non	non		JARL	non
7200	3	2010	12	16	1812		A3E			non	non	non		JARL	non
7200	5	2010	12	17	1612		A3E			non	non	non		JARL	non
7200	3	2010	12	17	1814		A3E			non	non	non		JARL	non
7200	5	2010	12	18	1614		A3E			non	non	non		JARL	non
7200	5	2010	12	19	1610		A3E			non	non	non		JARL	non
7200	3	2010	12	19	1810		A3E			non	non	non		JARL	non
7200	5	2010	12	20	1610		A3E			non	non	non		JARL	non
7200	3	2010	12	20	1814		A3E			non	non	non		JARL	non
7200	5	2010	12	21	1610		A3E			non	non	non		JARL	non

7200	3	2010	12	21	1808	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	22	1614	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	23	1618	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	23	1810	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	24	1610	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	24	1812	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	25	1612	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	25	1812	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	26	1610	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	27	1606	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	27	1814	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	28	1608	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	28	1816	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	29	1612	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	29	1810	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	30	1608	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	0.5	2010	12	30	1832	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	5	2010	12	31	1612	A3E	non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	12	31	1814	A3E	non	non	non	unknown Talk and Music	JARL	non	
10117		2010	12	18	<0515>	PON	315	?	Unid	OTHR 50 PPS S8 QSB	RF73MF	NZART	ZL1GWE
10140.0	6	2010	12	27	1025	A3E		KRE		SW BROADCAST	QG52xi	WIA	
					<22:31--								
14000	3	2010	12	5	22:45	J3E/U	315	CLN		2 males	OF84wx	WIA	
					07:55--								
14000	3	2010	12	8	08:22	J3E/U	315	CLN		Group of males	OF84wx	WIA	
					<23:35--								
14000	3	2010	12	16	23:49	J3E/U	315	CLN		2 males	OF84wx	WIA	
					08:20--								
14000	3	2010	12	29	08:47	J3E/U	360			2 males	OF84wx	WIA	
					23:24--								
14000	3	2010	12	30	23:35	J3E/U	315	CLN		2 males	OF84wx	WIA	
					23:20--								
14000	3	2010	12	31	23:40	J3E/U	315	CLN		2 males	OF84wx	WIA	
14000.1	3	2010	12	1	0835	J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA	
					23:30--								
14000.1	3	2010	12	28	00:20>	J3E/U	315	CLN		2 males	OF84wx	WIA	
14000.5	3	2010	12	11	1000	J3E/U					QG52xi	WIA	
					<23:35--								
14000.5	3	2010	12	3	00:10	J3E/U	315	CLN		Group of males	OF84wx	WIA	
					<22:33--								
14000.5	3	2010	12	4	00:00	J3E/U	315	CLN		2 males	OF84wx	WIA	
					<23:00--								
14000.5	3	2010	12	16	23:23	J3E/U	315	CLN		2 males	OF84wx	WIA	
					<22:45--								
14000.5	3	2010	12	27	23:36	J3E/U	315	CLN		2 males	OF84wx	WIA	
					<23:03--								
14000.5	3	2010	12	28	23:49	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000.5	3	2010	12	29	<07:55--	J3E/U	315	CLN		2 males	OF84wx	WIA	

14000.6	3	2010	12	1	08:10 <22:40-- 23:00	J3E/U	315	CLN		2 males	OF84wx	WIA
14000.7	3	2010	12	4	09:00-- 09:45	J3E/U	315	CLN		2 males	OF84wx	WIA
14000.7	3	2010	12	26	<23:00-- 23:33	J3E/U	315	CLN		2 males	OF84wx	WIA
14001.4	3	2010	12	27	1030	J3E/L					QG52xi	WIA
14001.5		2010	12	29	<0950- 0955>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14002.5		2010	12	13	<1325- 1335>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14004		2010	12	08	<1135- 1145>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14004		2010	12	09	<1105- 1110>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14015		2010	12	09	<1055- 1100>	J3E/U		CHN	UNID	CHINESE SPEAKING; FISHING TRAWLERS- 0M-0M	MK82	ARSI
14015		2010	12	17	<1130- 1140>	J3E/U		CHN	UNID	CHINESE SPEAKING; FISHING TRAWLERS- 0M-0M	MK82	ARSI
14015		2010	12	19	<1245- 1315>	J3E/U		CHN	UNID	CHINESE SPEAKING; FISHING TRAWLERS- 0M-0M	MK82	ARSI
14015	3	2010	12	7	<07:50-- 08:15	J3E/L	360	INS		2 males	OF84wx	WIA
14020.0	3	2010	12	1	0955	J3E/U				ASIAN	QG52xi	WIA
14023.8	3	2010	12	10	0855	J3E/U				ASIAN	QG52xi	WIA
14024.0	3	2010	12	11	0955	J3E/U				ASIAN	QG52xi	WIA
14024	3	2010	12	19	<23:14-- 23:56	J3E/U	315	CLN		2 males on-off	OF84wx	WIA
14024.8	3	2010	12	26	<23:00-- 00:10	J3E/U	315	CLN		2 males	OF84wx	WIA
14025	3	2010	12	5	<00:00-- 00:12	J3E/U	315	CLN		2 males	OF84wx	WIA
14025.5	3	2010	12	11	0730-1000	J3E/U				ASIAN	QG52xi	WIA
14026.8	3	2010	12	28	<08:18-- 08:32	J3E/U	315	CLN		2 males	OF84wx	WIA
14031.5		2010	12	19	<0150- 0155>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI

14033	3	2010	12	1	<23:45-- 00:00	J3E/L	315	CLN		2 males	OF84wx	WIA
14033	3	2010	12	3	<22:35-- 23:15	J3E/L	315	CLN		2 males	OF84wx	WIA
14033.3	3	2010	12	17	<23:07-- 23:53	J3E/L	315	CLN		2 males	Of84wx	WIA
14033.3	3	2010	12	18	22:50-- 23:22	J3E/U	315	CLN		2 males	OF84wx	WIA
14033.3	3	2010	12	19	<22:30-- 23:00	J3E/U	315	CLN		2 males	OF84wx	WIA
14033.3	3	2010	12	20	<23:10-- 23:18	J3E/L	315	CLN		2 males	OF84wx	WIA
14035.1		2010	12	19	<0305- 0315>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14039	3	2010	12	3	08:18-- 08:40	J3E/U	315	CLN		2 males	OF84wx	WIA
14039	3	2010	12	6	<23:15-- 00:10>	J3E/U	315	CLN		Group of males	OF84wx	WIA
14039	3	2010	12	7	<23:00-- 00:23>	J3E/U	315	CLN		Group of males	OF84wx	WIA
14039	3	2010	12	8	<08:30-- 08:40	J3E/U	315	CLN		2 males	OF84wx	WIA
14039	3	2010	12	8	23:03-- 00:26	J3E/U	315	CLN		2 males	OF84wx	WIA
14039	3	2010	12	30	<08:32-- 09:05	J3E/U	315	CLN		2 males	OF84wx	WIA
14039	3	2010	12	30	<23:25-- 23:50	J3E/U	315	CLN		2 males	OF84wx	WIA
14039.1	3	2010	12	1	'0825	J3E/U				ASIAN	QG52xi	WIA
14040	3	2010	12	28	<22:55-- 23:24	J3E/U	315	CLN		2 males	OF84wx	WIA
14040.5	3	2010	12	5	<22:30-- 23:15	J3E/U	315	CLN		2 males	OF84wx	WIA
14040.6	3	2010	12	4	<08:20-- 08:30	J3E/U	360			Male-female, Chinese	OF84wx	WIA
14040.6	3	2010	12	19	00:18-- 00:30>	J3E/U	315	CLN		2 males	OF84wx	WIA
14040.6	3	2010	12	20	<08:15-- 09:00>	J3E/U	315	CLN		2 males	OF84wx	WIA
14041.6	3	2010	12	2	0955	J3E/U				ASIAN	QG52xi	WIA
14042.1	3	2010	12	1	0815	J3E/U				ASIAN	QG52xi	WIA
14042.7	3	2010	12	2	0955	J3E/U				ASIAN	QG52xi	WIA
14044.0	2	2010	12	1	0950	G7D					QG52xi	WIA
14044.2	3	2010	12	20	<23:30-- 23:50	J3E/L	315	CLN		2 males	OF84wx	WIA
14044.4	3	2010	12	4	<07:10-- 07:28	J3E/U	315	CLN		2 males	OF84wx	WIA
14044.9		2010	12	19	<0155- 0158>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI

										LANGUAGE ONLY – 2		
										OM		
14045.0	3	2010	12	3	0845-1000	J3E/U		CHN		DAILY, FAMILY NET	QG52xi	WIA
					<09:00--							
14045	3	2010	12	1	09:14	J3E/U	315	CLN		2 males	OF84wx	WIA
					<07:50--							
14045	3	2010	12	2	08:12	J3E/U	360			2 males, Chinese	OF84wx	WIA
					<22:40--							
14045	3	2010	12	3	23:05	J3E/U	315	CLN		2 males	OF84wx	WIA
					<22:50--							
14045	3	2010	12	4	23:05	J3E/U	315	CLN		2 males	OF84wx	WIA
					07:03--							
14045	3	2010	12	5	07:30	J3E/U	315	CLN		2 males	OF84wx	WIA
					<08:55--							
14045	3	2010	12	8	09:38	J3E/U	360			Male-female, Chinese	OF84wx	WIA
					<22:40--							
14045	3	2010	12	16	23:07	J3E/U	315	CLN		2 males	OF84wx	WIA
					<08:48--							
14045	3	2010	12	17	08:04	J3E/U	315	CLN		2 males 1 female	OF84wx	WIA
					08:48--							
14045	3	2010	12	20	09:00>	J3E/U	315	CLN		2 males	OF84wx	WIA
					08:43--							
14045	3	2010	12	21	09:00	J3E/U	315	CLN		Group of males	OF84wx	WIA
					<08:38--							
14045	3	2010	12	22	09:45	J3E/U	315	CLN		Group of males	OF84wx	WIA
					<08:40--							
14045.2	3	2010	12	28	09:07	J3E/U	315	CLN		Group of males	OF84wx	WIA
14045.6	3	2010	12	2	0000-0945	J3E/U				DAILY, ASIAN	QG52xi	WIA
					<09:10--							
14046.2	3	2010	12	18	09:30>	J3E/U	315	CLN		2 males	OF84wx	WIA
										DAILY, ASIAN, "ROGER OVER"		
14048.0	3	2010	12	4	2255-0530	J3E/U					QG52xi	WIA
					<22:45--							
14048.5	3	2010	12	27	23:27	J3E/U	315	CLN		2 males	OF84wx	WIA
14050.0	3	2010	12	22	0845	J3E/U				ASIAN	QG52xi	WIA
										SHORT BURSTS, CAME ON IN TANDEM WITH NON, 14050		
14050.0	20	2010	12	26	0045	P0N					QG52xi	WIA
14050.0	20	2010	12	30	0210	P0N				SHORT BURSTS	QG52xi	WIA
					<22:40--							
14050	3	2010	12	17	23:01	J3E/U	315	CLN		2 males	OF84wx	WIA
14050.7	3	2010	12	12	0010	J3E/L				ASIAN	QG52xi	WIA
14051.0	3	2010	12	4	1210	J3E/U				ASIAN NOT CHINESE CHINESE SPEAKING; FISHING TRAWLERS-	QG52xi	WIA
					<0140-0150>			CHN	UNID	0M-0M	MK82	ARSI
14053.4		2010	12	23	<09:10--	J3E/U						
14053.5	3	2010	12	18	09:30>	J3E/U	315	CLN		2 males	OF84wx	WIA
14055.6	3	2010	12	2	1000	J3E/U				DAILY, ASIAN	QG52xi	WIA
					<08:50--							
14056.2	3	2010	12	17	09:12	J3E/U	315	CLN		2 males	OF84wx	WIA

14056.3	3	2010	12	17	0915 >09:03--	J3E/U				DAILY, ASIAN	QG52xi	WIA
14056.3	3	2010	12	1	09:16 <22:40--	J3E/U	360	INS		Group of males	OF84wx	WIA
14056.3	3	2010	12	8	23:00 <09:10--	J3E/U	315	CLN		2 males	OF84wx	WIA
14056.3	3	2010	12	16	09:42 <09:10--	J3E/U	315	CLN		Group of males	OF84wx	WIA
14056.3	3	2010	12	18	09:30> 07:55--	J3E/U	315	CLN		2 males	OF84wx	WIA
14056.4	3	2010	12	2	08:05	J3E/U	315	CLN		2 males	OF84wx	WIA
14061.7	3	2010	12	15	1240	J3E/U				ASIAN	QG52xi	WIA
14066.6	3	2010	12	1	0930	J3E/U				ASIAN	QG52xi	WIA
14067.3	3	2010	12	1	0900 <22:45--	J3E/U				ASIAN	QG52xi	WIA
14067.6	3	2010	12	17	23:06	J3E/U	315	CLN		2 males	OF84wx	WIA
14068.0	3	2010	12	1	0920 <23:30--	J3E/U				DAILY, ASIAN	QG52xi	WIA
14078	3	2010	12	2	23:36 <08:20--	J3E/U	315	CLN		2 males	OF84wx	WIA
14092	3	2010	12	7	08:28 <08:15--	J3E/U	360			2 males, Chinese	OF84wx	WIA
14092	3	2010	12	19	08:35	J3E/U	315	CLN		2 males	OF84wx	WIA
14094.4		2010	12	23	<0140- 0150>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14096.6	3	2010	12	2	0955 <23:04--	J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA
14098	3	2010	12	31	00:13	J3E/U	315	CLN		Group of males DAILY, ASIAN, SOUNDS CHINESE	OF84wx	WIA
14098.5	3	2010	12	1	0850 <07:44--	J3E/U				2 males	QG52xi	WIA
14098.5	3	2010	12	3	07:55 <22:44--	J3E/U	315	CLN		2 males	OF84wx	WIA
14098.5	3	2010	12	3	22:55 <22:30--	J3E/L	315	CLN		2 males	OF84wx	WIA
14098.5	3	2010	12	7	22:41 08:30--	J3E/U	315	CLN		2 males	OF84wx	WIA
14098.8	3	2010	12	21	08:56	J3E/U	315	CLN		2 males	OF84wx	WIA
14100.0	3	2010	12	28	0430 07:30--	J3E/U				ASIAN "YAHOO"	QG52xi	WIA
14101	3	2010	12	6	07:42 <22:35--	J3E/L	360	INS		2 males	OF84wx	WIA
14101	3	2010	12	29	22:42 <23:12--	J3E/L	360	INS		Group of males	OF84wx	WIA
14102	3	2010	12	5	23:20 23:15--	J3E/U	315	CLN		Group of males	OF84wx	WIA
14102	3	2010	12	29	23:24	J3E/U	360	INS		2 males	OF84wx	WIA
14105	3	2010	12	1	<23:05--	J3E/U	315	CLN		Group of males	OF84wx	WIA

14105	3	2010	12	2	00:30 <23:00-- 23:05		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14105	3	2010	12	4	<22:30-- 23:30		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14156		2010	12	08	<1135- 1145>		J3E/U		CHN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14189.9		2010	12	14	<1210- 1220>		J3E/U		CLN	UNID	OM	MK82	ARSI	
14190.0	20	2010	12	30	0315		P0N				OTHR, SHORT BURSTS OTHR 66.67 PPS 0.8 second bursts and 60 seconds gap S8 FMCW OTHR 83.33 PPS S9+ 3 second bursts	QG52xi	WIA	
14193.5	17	2010	12	30	<0218>	0218- 0447	P0N	300	?	Unid	OTHR 83.33 PPS S9+ 3 second bursts	RF73MF	NZART	ZL1GWE
14218		2010	12	31	<0254>	0254- 0259	P0N	300	?	Unid	OTHR 1.8 second burst every 30 seconds	RF73MF	NZART	ZL1GWE
14230	20	2010	12	27	<0205>	0205- 0400	P0N			Unid	ASIAN	RF72LQ	NZART	ZL1BAD
14235.6	3	2010	12	1	1010		J3E/U				DAILY, SW BROADCAST	QG52xi	WIA	
14250.1	6	2010	12	27	0030		A3E		KRE			QG52xi	WIA	
14275	100	2010	12	24	<0605>	0605- 0633	P0N	170	?	Unid	OTHR S9 66.67 PPS	RF73MF	NZART	ZL1GWE
14277.7	3	2010	12	1	00:30-- 00:36		J3E/U	360	INS		2 males pass coded messages, (weather info)	OF84wx	WIA	vk6xW
14277.7	3	2010	12	1	00:46-- 00:51		J3E/U	360	INS		2 males 1 female pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	1	01:50-- 02:03		J3E/U	360	INS		3 males pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	3	01:53-- 01:54		J3E/U	360	INS		Male female, no messages yet	OF84wx	WIA	
14277.7	3	2010	12	6	00:51-- 01:06		J3E/U	360	INS		2 males pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	6	01:17-- 01:22		J3E/U	360	INS		3 males pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	7	01:02-- 01:10		J3E/U	360	INS		2 males pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	7	01:58-- 02:02		J3E/U	360	INS		2 males pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	17	00:30-- 00:42		J3E/U	360	INS		2 males 1 female pass coded messages, (weather info)	OF84wx	WIA	
14277.7	3	2010	12	18	00:42-- 00:43		J3E/U	360	INS		2 males, no messages yet	OF84wx	WIA	
14277.7	3	2010	12	18	00:47-- 00:48		J3E/U	360	INS		2 males no messages yet	OF84wx	WIA	
14277.7	3	2010	12	19	00:55-- 01:19		J3E/U	360	INS		Group of males pass coded messages (weather info)	OF84wx	WIA	

14277.7	3	2010	12	20	01:45-- 01:46	J3E/U	360	INS		2 males 1 female No coded messages	OF84wx	WIA		
14277.7	3	2010	12	21	00:44-- 00:44	J3E/U	360	INS		Male-female pass coded messages (weather info)	OF84wx	WIA		
14277.7	3	2010	12	21	01:00-- 01:06	J3E/U	360	INS		Group of males pass coded messages, (weather info)	OF84wx	WIA		
14277.7	3	2010	12	22	01:02-- 01:03	J3E/U	360	INS		2 males no coded messages yet	OF84wx	WIA		
14277.7	3	2010	12	22	01:25-- 01:26	J3E/U	360	INS		Male-female no coded messages yet	OF84wx	WIA		
14277.7	3	2010	12	22	01:44-- 01:48	J3E/U	360	INS		Group of males pass coded messages (weather info)	OF84wx	WIA		
14277.7	3	2010	12	27	00:45-- 00:46	J3E/U	360	INS		2 males no messages yet	OF84wx	WIA		
14277.7	3	2010	12	27	00:51-- 00:52	J3E/U	360	INS		Male-female no messages yet	OF84wx	WIA		
14277.7	3	2010	12	29	00:37-- 00:38	J3E/U	360	INS		Male-female, no messages yet	OF84wx	WIA		
14277.7	3	2010	12	29	01:06-- 01:34	J3E/U	360	INS		Group of males pass coded messages (weather info)	OF84wx	WIA		
14277.7	3	2010	12	31	00:10-- 00:12	J3E/U	360	INS		Male-female, no messages yet	OF84wx	WIA		
14277.7	3	2010	12	31	00:25-- 00:31	J3E/U	360	INS		2 males 1 female pass coded messages, (weather info)	OF84wx	WIA		
14277.7	3	2010	12	31	00:45-- 01:02	J3E/U	360	INS		2 males pass coded messages, (weather info)	OF84wx	WIA		
14280.0	50	2010	12	27	0030	P0N					QG52xi	WIA		
18086	25	2010	12	28	<0545>	0545- 0600	P0N	270	?	Unid	OTHR S9 ASIAN, SOUNDS	RF80ji	NZART	ZL2AAA
21000.0	3	2010	12	30	0900	J3E/U					CHINESE	QG52xi	WIA	
21014.75	7	2010	12	28	<0229>	0229- 0247	P0N	000	?	Unid	OTHR multiple signals S4-7 pulses but constant level uniform like a rake	RF73MF	NZART	ZL1GWE
21020	40	2010	12	19	<0600- 0615>		OTHR			UNID	UNID	MK82	ARSI	
21021.0	3	2010	12	27	1055	J3E/U					Khz	QG52xi	WIA	
21050.0	30	2010	12	21	0900	P0N					OTHR	QG52xi	WIA	
21050.0	30	2010	12	30	0840	P0N					OTHR	QG52xi	WIA	
21050.7	3	2010	12	28	0915	J3E/L					ASIAN	QG52xi	WIA	
21096.9	3	2010	12	11	0945	J3E/U					ASIAN	QG52xi	WIA	
21111.0	3	2010	12	11	0950	J3E/U					ASIAN	QG52xi	WIA	
21130		2010	12	19	<0400>	0400-	N0N	180	?	Unid	S1 Carrier 1 Khz tone	RF73MF	NZART	ZL1GWE
21205	20	2010	12	04	<0430>	0430	VXX	45	?	Unid	Codar 2 second bursts varies 10 to 16 PPS	RF73MF	NZART	ZL1GWE
21205		2010	12	15	<0050>	0050-	P0N	315	?	Unid	10-12PPS varying rate	RF73MF	NZART	ZL1GWE

28315.0	6	2010	12	25	0615		A3E			ASIAN	QG52xi	WIA	
						0515-				CB PLL Splashes S2 non			
28320		2010	12	24	<0515>	0601	A3E	315	?	amateurs	RF73MF	NZART	ZL1GWE
28335.0	6	2010	12	25	0615		A3E			ASIAN	QG52xi	WIA	
28555.0	6	2010	12	31	0710		A3E			ASIAN	QG52xi	WIA	
						0515-				Chinese voices S2 non			
28665		2010	12	24	<0515>	0601	A3E	315	CHN	amateurs	RF73MF	NZART	ZL1GWE
28665.0	6	2010	12	25	0610		A3E			ASIAN	QG52xi	WIA	
28725.0	6	2010	12	26	0515		A3E			ASIAN	QG52xi	WIA	
28750.0	6	2010	12	26	0515		A3E			ASIAN	QG52xi	WIA	
28887.0	6	2010	12	25	0610		A3E			ASIAN	QG52xi	WIA	
28935.0	6	2010	12	26	0515		A3E			ASIAN	QG52xi	WIA	
29175.0	6	2010	12	25	0610		A3E			ASIAN	QG52xi	WIA	
29400.0	6	2010	12	29	0845		A3E			ASIAN	QG52xi	WIA	
29575.0	6	2010	12	26	0510		A3E			ASIAN	QG52xi	WIA	
29635.0	6	2010	12	26	0510		A3E			ASIAN	QG52xi	WIA	