



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



May 2013

Peter Young VK3MV

Reports for February were received from ARSI, JARL, NZART, and the WIA.

This month there were 986 observations made across the Region as compared to last month of 1231.

A number of OHR systems have been logged on 15 meters this month operating in the higher portion of the band. Some of these have been operating in a sequence of two to three frequencies. These have been reported to regulatory authorities. VK4TJ reports that some of these systems run a Codar like emission (swept frequency) to find the frequency with the best target return signal, then change emission mode to pulse.

There is the continual illegal use of 10 meters for local short range communications in a number of Asian countries. More details are provided in the attached data report.

Thank you to all the regional observers for their reports, these reports are vital and really appreciated. Keep them coming.

For those who would like a CSV file of data please email me at: vk3mv@wia.org.au

Peter – VK3MV

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3545	0.5	2013	5	2		00:01	A1A						Random Number		JARL	
3568	0.5	2013	5	31		21:58	A1A						Repeat of " nzo6 nzo6 nzo6 "		JARL	
3580.0	3	2013	5	10	1945		J3E/U						ASIAN FISHBOATS, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3584.0	3	2013	5	2	2025		J1C						DAILY 2 X TRIPLE SUBCARRIERS ON 500 HZ SPACING	QG52xi	WIA	
3619.5	3	2014	5	23	1910		G7D						HZ SPACING	QG52xi	WIA	
3623.0	3	2013	5	2	2025		J1C						DAILY	QG52xi	WIA	
3797.0		2013	5	31	1620		A1A					DRV8	H2FL DE DRV8	QG52xi	WIA	
3798	0.5	2013	5	2		00:06	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	3		20:29	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	8		22:52	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	12		20:53	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	13		21:48	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	21		20:41	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	23		21:46	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3798	0.5	2013	5	31		22:02	A1A						Repeat of " h2fl h2fl h2fl de drvz		JARL	
3800.0	5	2013	5	10	1740		G7DF						HF MANPACK	QG52xi	WIA	
6930.0	200	2013	5	1	0930		P0N						DAILY, OTHR, SPILLS INTO AMATEUR BAND	QG52xi	WIA	
7000.0	3	2013	5	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO Non-Hams, mainly Spanish & Indonesian Languages - when OTHR is not on.	QG52xi	WIA	
7000		2013	05	DY		HX	HX				?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
7000		2013	05	DY		HX	HX				?	Unid	DAILY, VILLAGE RADIO	RF72LQ	NZART	ZL1BAD
7000.2	3	2013	5	30	1915		J3E/L				INS		HF MANPACK	QG52xi	WIA	
7005.0	5	2013	5	8	1950		G7DF						DAILY, VILLAGE RADIO	QG52xi	WIA	
7005.0	3	2013	5	4	0825		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7005.0	3	2013	5	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7006		2013	05	21	<1955>	1955	P0N				?	Unid	OTHR Out of band P0N, spreading to 7006	RF72LQ	NZART	ZL1BAD
7008.0	1	2013	5	27	2015		F1B		250				CONTINUOUS	QG52xi	WIA	
7010.0	3	2013	5	1	0930		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010.0	5	2013	5	10	1940		G7DF						HF MANPACK	QG52xi	WIA	
7010.0	3	2013	5	3	0755		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010	?	2013	5	29		21:48	P0N						OTH Radar(6844~7013KHz)?		JARL	
7010		2013	05	11	<1415>	1415- 1448	P0N				CHN	Unid	OTHR Hainan Radar	Web SDR	NZART	VR2BG/P

7015.0	3	2013	5	1	0930	J3E/L					MUSIC, ENGLISH LANGUAGE	QG52xi	WIA	
7015.0	5	2013	5	1	0930	G7DF					HF MANPACK	QG52xi	WIA	
7015.0	3	2013	5	4	0840	J3E/U		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7018.0	3	2013	5	29	1010	J3E/U		CHN			CHINESE, RECITING NUMBER CIPHER	QG52xi	WIA	
7020.0	3	2013	5	1	0930	J3E/L		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7020.0	3	2013	5	4	0825	J3E/U		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7020		2013	05	26	<1910>	1910	P0N		?	Unid	OTHR Out of band P0N, spreading to 7020	RF72LQ	NZART	ZL1BAD
7021.0	5	2013	5	30	1915	G7D					8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
7025.0	3	2013	5	29	1150	J3E/L		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7027.5		2013	5	8	1950	A1A		RUS	V		HARBOUR BEACON	QG52xi	WIA	
7030.0	5	2013	5	3	0940	G7DF					HF MANPACK	QG52xi	WIA	
7030.0	3	2013	5	1	0945	J3E/L		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7030.0	3	2013	5	4	0825	J3E/U		INS			DAILY, VILLAGE RADIO	QG52xi	WIA	
7036	3	2013	5	1	1814	H24	F1B	non	non	non	unknown IDL only	PM97	JARL	non
7036	3	2013	5	3	1840	H24	F1B	non	non	non	unknown IDL only	PM97	JARL	non
7038.7	6	2013	5	14	1950	A2A		RUS	D		DAILY, HARBOUR BEACON, BROAD SIDEBANDS	QG52xi	WIA	
7038.9		2013	5	8	1945	A1A		RUS	P		DAILY, HARBOUR BEACON	QG52xi	WIA	
7039	0.5	2013	5	1	1218	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	1	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	1	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	1	1808	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	2	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	2	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	2	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	2	1812	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	3	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	3	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	3	1716	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	3	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	4	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	4	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	4	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	4	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	5	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	5	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	5	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	5	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	6	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	6	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	5	6	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	6	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	7	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	7	1606	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	7	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	8	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	8	1616	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	8	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	8	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	10	1020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	5	10	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	10	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	11	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	11	1604	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	11	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	11	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	12	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	12	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	12	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	12	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	12	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	13	1020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	13	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	13	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	13	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	14	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	14	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	14	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	14	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	15	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	5	21	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	21	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	21	1812	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	23	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	24	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	24	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	5	25	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	5	27	1214	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2013	5	27	1610	H24	A1A	15	non	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	27	1614	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2013	5	27	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	5	30	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	30	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	30	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	31	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	31	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	5	31	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	5	31	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039		2013	05	DY	<0300>	0300-2200	A1A		RUS	C	Beacon C - RCC	RF72LQ	NZART	ZL1BAD
7039		2013	05	DY	<0300>	0300-2200	A1A		RUS		Astrakhan (No call sign) - Beacon A no call sign	RF72LQ	NZART	ZL1BAD
7039		2013	05	DY	<0300>	0300-2200	A1A		RUS	F	Vladivostok - Beacon F - RJS	RF72LQ	NZART	ZL1BAD
7039		2013	05	DY	<0300>	0300-2200	A1A		RUS	P	Kaliningrad - Beacon P - RMP	RF72LQ	NZART	ZL1BAD
7039.3		2013	05	DY	<0300>	0300-2200	A1A		RUS	K	Petropavlovsk - Beacon K - RCC	RF72LQ	NZART	ZL1BAD
7039.4		2013	05	DY	<0300>	0300-2200	A1A		RUS	M	Magadan - Beacon M - RTS	RF72LQ	NZART	ZL1BAD
7039.5		2013	5	3	1845		A1A		RUS	M	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.9		2013	05	DY	<0300>	0300-2200	A1A		RUS	S	Severomorsk - Beacon S - RIT	RF72LQ	NZART	ZL1BAD
7040	0.5	2013	5	2		00:07	A1A				train of " M "		JARL	
7040	0.5	2013	5	3		20:33	A1A				train of " M "		JARL	
7040	0.5	2013	5	8		22:54	A1A				train of " M "		JARL	
7040	0.5	2013	5	13		21:53	A1A				train of " M "		JARL	
7040	0.5	2013	5	21		20:44	A1A				train of " M "		JARL	
7040	0.5	2013	5	23		21:48	A1A				train of " M "		JARL	
7040	0.5	2013	5	24		22:03	A1A				train of " M "		JARL	
7040	0.5	2013	5	25		20:58	A1A				train of " M "		JARL	
7040	0.5	2013	5	26		22:12	A1A				train of " M "		JARL	
7040	0.5	2013	5	29		21:49	A1A				train of " M "		JARL	
7040	0.5	2013	5	31		22:05	A1A				train of " M "		JARL	
7050.0	5	2013	5	7	0945		G7DF				HF MANPACK	QG52xi	WIA	
7054.0	1	2013	5	1	2015		F1B	50 200	RUS		DAILY, CONTINUOUS	QG52xi	WIA	
7054	2	2013	5	2	1818	H24	F1B	non	non	non	unknown now on air	PM97	JARL	non
7054	2	2013	5	6	1830	H24	F1B	non	non	non	unknown IDL only	PM97	JARL	non
7054	3	2013	5	9	1846	H24	F1B	non	non	non	Beacon	PM97	JARL	non
7054	2	2013	5	14	1826	H24	F1B	non	non	non	now on air	PM97	JARL	non
7054	2	2013	5	17	1824	H24	F1B	non	non	non	unknown now on air	PM97	JARL	non
7054	2	2013	5	20	1822	H24	F1B	non	non	non	unknown now on air	PM97	JARL	non
7054		2013	05	DY	<1900>	1900-2100	F1B	250	RUS	REA4	Russian Air Force	RF72LQ	NZART	ZL1BAD
7055.6	3	2013	5	9	1940		J3E/U		CHN		CHINESE FISHBOATS	QG52xi	WIA	
7061.0		2013	5	13	2010		A1A				NUMBER CIPHER	QG52xi	WIA	
7065		2013	05	02	<1845>	1845	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7068.0	3	2013	5	31	1620		F1B	125			MIL 188-141A ALE	QG52xi	WIA	
7075.0	50	2013	5	20	0855		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
7094	0.5	2013	5	26		22:14	A1A				Random number		JARL	
7096.0		2014	5	15	1700		A1A				MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7100.0	3	2013	5	1	0925		J3E/L		INS		MOSLEMS AT PRAYER	QG52xi	WIA	

7101.0		2013	5	16	1010		A1A										MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7103.0	3	2013	5	16	1010		F1B	125									MIL 188-141A ALE	QG52xi	WIA	
7105	5	2013	5	1	2220	H24	A3E	273	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	1	2226	H24	A3E	non	CHN	Meng							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	2	2210	H24	A3E	273	CHN	non							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	2	2216	H24	A3E	non	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	3	2212	H24	A3E	273	CHN	Meng							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	3	2216	H24	A3E	non	CHN	non							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	4	2210	H24	A3E	273	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	4	2216	H24	A3E	non	CHN	Meng							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	5	2214	H24	A3E	273	CHN	non							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	5	2220	H24	A3E	non	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	6	2206	H24	A3E	273	CHN	Meng							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	6	2210	H24	A3E	non	CHN	non							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	7	2204	H24	A3E	273	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	7	2210	H24	A3E	non	CHN	Meng							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	8	2206	H24	A3E	273	CHN	non							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	8	2210	H24	A3E	non	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	9	2204	H24	A1A	273	CHN	Meng							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	9	2210	H24	A1A	non	CHN	non							Chinese Talk and Music	PM97	JARL	non
7105	5	2013	5	10	2208	H24	A3E	273	CHN	PBS Nei							Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	5	10	2212	H24	A3E	non	CHN	Meng							Chinese Talk and Music	PM97	JARL	non
7110.0	5	2013	5	8	1945		G7DF										HF MANPACK	QG52xi	WIA	
7110.0	1	2013	5	7	0940		F1B	500									CONTINUOUS	QG52xi	WIA	
7113.0		2013	5	16	1010		A1A										MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7120.0	8	2013	5	15	1655		A3A			SOM							SW BROADCAST, RADIO HARGEISA	QG52xi	WIA	
7120	3	2013	5	11	1830	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	12	1830	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	13	1840	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	14	1832	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	16	1830	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	17	1830	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	18	1824	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	19	1830	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	20	1828	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non
7120	3	2013	5	21	1816	H24	A3E	non	non	non							unknown music and talk	PM97	JARL	non

7120	3	2013	5	24	1826	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	5	25	1830	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	5	30	1840	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120		2013	05	02	<1840>	1840	A3E			SOM	Radio Hargaysa	Somalia	RF72LQ	NZART	ZL1BAD
7122	3	2013	5	18	1830	H24	F1B		non	non	non	unknown now on air	PM97	JARL	non
7128.0	3	2013	5	30	1920		F1B	125				MIL 188-141A ALE	QG52xi	WIA	
7130.0	5	2013	5	15	1025		G7DF					HF MANPACK	QG52xi	WIA	
7130.0	50	2013	5	15	1025		P0N					OTHR, CONTINUOUS MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7136.0		2013	5	23	1025		A1A						QG52xi	WIA	
7140.0	3	2013	5	5	1155		F1B	125				MIL 188-141A ALE	QG52xi	WIA	
												4 SUBCARRIERS ON 200 HZ INTERVALS, SEVERAL PILOT TONES			
7159.0	5	2013	5	13	2005		G7D						QG52xi	WIA	
7159.0	3	2013	5	3	1055		J3E/U			PHI		DAILY, TAGALOG	QG52xi	WIA	
7160.0	5	2013	5	20	0850		G7DF					HF MANPACK	QG52xi	WIA	
												MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7160.0		2013	5	16	1000		A1A						QG52xi	WIA	
7162.5		2013	5	20	0850		A1A					NUMBER CIPHER	QG52xi	WIA	
7163.0	3	2013	5	3	1055		J3E/U			PHI		TAGALOG	QG52xi	WIA	
												MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7165.0		2013	5	16	1000		A1A						QG52xi	WIA	
7166.0	3	2013	5	11	1020		J3E/U			PHI		TAGALOG	QG52xi	WIA	
7170	10	2013	05	02	<1835>	1835	P0N			?	Unid	OTHR Continuous Non Amateurs Tagalog	RF72LQ	NZART	ZL1BAD
7173		2013	05	28	<0845>	0845	J3E/U			?	Unid	language	RE54HF	NZART	ZL4IV
												MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7174.0		2013	5	23	1020		A1A						QG52xi	WIA	
7175.0	5	2013	5	14	1945		G7DF					HF MANPACK	QG52xi	WIA	
7175	3	2013	5	21	1824	H24	F1B	non	non	non		unknown now on air	PM97	JARL	non
7177.2	3	2013	5	31	1615		J3E/U					ASIAN	QG52xi	WIA	
7177.5	3	2013	5	11	1020		J3E/U			PHI		DAILY, TAGALOG	QG52xi	WIA	
7185.8	8	2013	5	5	1155		A3E					SW BROADCAST BEACON ID'ING AS 'BEACON' (NO CALL SIGN)	QG52xi	WIA	
7188.0		2013	5	30	1940		A1A				BEACON		QG52xi	WIA	
7188.0	3	2013	5	17	0940		J3E/U			PHI		TAGALOG	QG52xi	WIA	
7189.1	3	2013	5	3	1110		J3E/U					TAGALOG OR BAHASA	QG52xi	WIA	
												MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7192.0		2013	5	15	1705		A1A					DAILY, TAGALOG			
7193.4	3	2013	5	1	0910		J3E/U			PHI		FISHBOATS	QG52xi	WIA	
7194.0		2013	5	16	0955		A1A					NUMBER CIPHER	QG52xi	WIA	
7195.0		2013	5	16	1000		N0N						QG52xi	WIA	
7196.3	8	2013	5	3	1055		G1D					DAILY, BROAD PSK	QG52xi	WIA	
7197.5		2013	05	02	<1840>	1840	A1A			?	Unid	Continuous "Dits"	RF72LQ	NZART	ZL1BAD
7200.0	7	2013	5	5	1155		A3E					SW BROADCAST	QG52xi	WIA	

7200.0	3	2013	5	23	1020		J3E/U			CHN		READING QTC LIST	QG52xi	WIA	
7200	5	2013	5	26	2220	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	26	2258	H24	A3E	non		CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	non
7200	5	2013	5	27	2210	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	27	2216	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	27	2258	H24	A3E	non		CHN	non	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	non
7200	1	2013	5	28	2158	H24	A0N	non		non	non	unknown	PM97	JARL	non
7200	5	2013	5	28	2200	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music 22:00 UTC Time signal 5+1 opening	PM97	JARL	Hohhot
7200	3	2013	5	28	2202	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	28	2258	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7200	5	2013	5	29	2210	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7200	3	2013	5	29	2214	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	29	2258	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7200	5	2013	5	30	2214	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7200	3	2013	5	30	2218	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	30	2258	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7200	5	2013	5	31	2210	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7200	3	2013	5	31	2214	H24	A3E	non		CHN	non	Chinese Talk and Music	PM97	JARL	non
7200	3	2013	5	31	2258	H24	A3E	273		CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
10100.0	5	2013	5	20	0900		G7DF					HF MANPACK	QG52xi	WIA	
10110.0	5	2013	5	7	0450		G7DF					HF MANPACK	QG52xi	WIA	
10120.0	5	2013	5	30	2020		G7DF					HF MANPACK	QG52xi	WIA	
10140.0	5	2013	5	2	0900		G7DF					HF MANPACK	QG52xi	WIA	
10140.0	8	2013	5	3	1100		A3A			KRE		DAILY, SW BROADCAST	QG52xi	WIA	
10150	?	2013	5	25		21:04	P0N					OTH		JARL	
13999.8	3	2013	5	3	23:11--23:18		LSB	315		CLN		Radar(10133~10196KHz)? 2 males outside of 20 band	OF84wx	WIA	
14000.0		2013	5	27	0950		A1A					NUMBER CIPHER	QG52xi	WIA	

14000.0	3	2013	5	3	1910	F1B	125			MIL 188-141A ALE	QG52xi	WIA	
14000.0	3	2013	5	1	0835	J3E/U				DAILY, ASIAN	QG52xi	WIA	
14000	3	2013	5	1	00:05-- 00:23	USB		315	CLN	2 groups of males, no qrm to each group	OF84wx	WIA	VK6XW
14000	3	2013	5	1	01:06-- 02:42	USB		315	CLN	2 males on-off a few talks only	OF84wx	WIA	
14000	3	2013	5	1	06:50-- 08:50	USB		315	CLN	Group of males	OF84wx	WIA	
14000	3	2013	5	1	22:45-- 01:00	USB		315	CLN	2 males, on-off short calls	OF84wx	WIA	
14000	3	2013	5	2	07:02-- 08:35	USB		315	CLN	2 males on-off short calls	OF84wx	WIA	
14000	3	2013	5	2	22:45-- 00:00	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	3	00:40-- 01:35	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	3	06:08-- 06:13	USB		315	CLN	1 male calling, no reply	OF84wx	WIA	
14000	3	2013	5	3	06:30-- 06:32	USB		315	CLN	2 males, short calls	OF84wx	WIA	
14000	3	2013	5	3	07:45-- 07:57	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	3	23:45-- 00:00	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	4	00:08-- 00:22	USB		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	5	4	06:25-- 08:41	USB		315	CLN	2 males on0off 3 to 4 times/hr	OF84wx	WIA	
14000	3	2013	5	4	22:50-- 23:45	USB		315	CLN	2 males very active	OF84wx	WIA	
14000	3	2013	5	5	00:08-- 00:48	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	5	03:44-- 04:06	USB		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	5	5	05:15-- 05:35	USB		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	5	5	06:37-- 07:55	USB		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	5	5	22:52-- 00:12	USB		315	CLN	Group of males, continuous, and singing, playing music	OF84wx	WIA	
14000	3	2013	5	6	01:08-- 01:42	USB		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	5	6	08:00-- 08:02	USB		315	CLN	1 male calling, no reply	OF84wx	WIA	

14000	3	2013	5	6	23:12-- 00:45	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	7	02:45-- 03:30	USB	315	CLN	2 males, on-off	OF84wx	WIA
14000	3	2013	5	7	04:45-- 05:40	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	7	08:45-- 08:52	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	7	22:50-- 00:50	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	8	01:10-- 02:45	USB	315	CLN	2 males on-off 4 calls/hr	OF84wx	WIA
14000	3	2013	5	8	04:12-- 08:55	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	8	22:48-- 01:15	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	9	01:25-- 01:40	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	9	06:45-- 09:10	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	10	04"15-- 08:45	USB	315	CLN	2 males on-off late start today	OF84wx	WIA
14000	3	2013	5	10	22:57-- 23:30	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	11	23:15-- 23:21	USB	315	CLN	No activity all day!!!	OF84wx	WIA
14000	3	2013	5	12	06:08-- 06:25	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	12	07:12-- 07:14	USB	315	CLN	1 male short call, no reply	OF84wx	WIA
14000	3	2013	5	12	22:53-- 23:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	13	07:30-- 07:42	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	13	23:15-- 23:16	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	13	23:30-- 23:31	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	14	00:22-- 00:24	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	14	04:57-- 05:13	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	14	06:15-- 07:30	USB	315	CLN	2 males on-off	OF84wx	WIA

14000	3	2013	5	14	08:15-- 09:15	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	14	22:45-- 01:23	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	15	01:20-- 09:30	USB	315	CLN	Group of males, on-off talks up to 1/2hr per time	OF84wx	WIA
14000	3	2013	5	15	22:50-- 00:20	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	16	01:02-- 01:33	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	16	04:10-- 04:35	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	16	05:10-- 09:10	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	16	22:45-- 01:15	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	17	03:10-- 05:40	USB	315	CLN	Group of males continuously	OF84wx	WIA
14000	3	2013	5	17	06:15-- 07:40	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	17	08:22-- 08:28	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	17	08:55-- 09:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	17	22:45-- 00:05	UBS	315	CLN	2 males, short calls on-off	OF84wx	WIA
14000	3	2013	5	18	00:44-- 03:50	USB	315	CLN	2 males short calls	OF84wx	WIA
14000	3	2013	5	18	05:20-- 06:05	USB	315	CLN	2 males short calls, on-off	OF84wx	WIA
14000	3	2013	5	18	08:37-- 08:55	USB	315	CLN	Male-female, short call	OF84wx	WIA
14000	3	2013	5	18	22: 05-- 23:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	19	00:45-- 01:10	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	19	05:25-- 05:45	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	19	22:45-- 22:50	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	19	23:25-- 23:48	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	20	00:22-- 02:40	USB	315	CLN	2 males on-off few talks	OF84wx	WIA

14000	3	2013	5	20	04:05-- 08:55	USB	315	CLN	2 males on-off four to five times per hr.	OF84wx	WIA
14000	3	2013	5	20	23:27-- 23:29	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	20	23:43-- 23:45	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	20	23:55-- 01:45	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	21	04:10-- 05:50	USB	315	CLN	2 males on-off short talks	OF84wx	WIA
14000	3	2013	5	21	07:00-- 08:35	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	21	22:45-- 23:10	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	22	00:08-- 00:40	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	22	01:15-- 01:23	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	22	01:40-- 02:00	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	22	07:30-- 07:50	USB	315	CLN	2 males short talks	OF84wx	WIA
14000	3	2013	5	22	08:00-- 08:40	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	22	22:40-- 01:05	USB	315	CLN	2 males on-off short talks	OF84wx	WIA
14000	3	2013	5	23	05:50-- 06:40	USB	315	CLN	1 male short calls no reply	OF84wx	WIA
14000	3	2013	5	23	07:25-- 09:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	23	22:45-- 23:10	USB	315	CLN	group of males	OF84wx	WIA
14000	3	2013	5	23	23:30-- 23:45	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	24	01:10-- 03:23	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	24	04:30-- 04:32	USB	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	5	24	05:45-- 07:30	USB	315	CLN	2 males, very few calls	OF84wx	WIA
14000	3	2013	5	24	22:45-- 23:00	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	24	23:30-- 23:33	USB	315	CLN	2 males short call , CW contest is on	OF84wx	WIA

14000	3	2013	5	25	00:05-- 00:20	USB	315	CLN	2 males on-off, CW contest	OF84wx	WIA
14000	3	2013	5	25	05:30-- 05:45	USB	315	CLN	2 males very short call because of CW contest	OF84wx	WIA
14000	3	2013	5	25	07:05-- 07:10	USB	315	CLN	2 males , short call, still busy contest	OF84wx	WIA
14000	3	2013	5	25	08:30--- 9:10	USB	315	CLN	Group of males, on-off	OF84wx	WIA
14000	3	2013	5	25	22:45-- 00:30	USB	315	CLN	2 males Continuous	OF84wx	WIA
14000	3	2013	5	26	05:40-- 06:15	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	26	06:50-- 07:05	USB	315	CLN	2 males talking	OF84wx	WIA
14000	3	2013	5	26	07:35-- 08:22	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	26	23:10-- 00:00	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	27	01:05-- 06:30	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	27	07:40-- 08:33	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	27	22:50-- 23:10	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	27	23:45-- 03:05	USB	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	5	28	03:45-- 05:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	28	07:00-- 09:20	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	28	23:06-- 00:10	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	29	00:23-- 00:34	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	29	00:53-- 01:02	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	29	01:46-- 02:10	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	29	03:55-- 04:20	USB	315	CLN	2 males very weak	OF84wx	WIA
14000	3	2013	5	29	06:05-- 09:25	USB	315	CLN	2 males on-off, later more active	OF84wx	WIA
14000	3	2013	5	29	23:15-- 23:30	USB	315	CLN	2 males	OF84wx	WIA

14000	3	2013	5	29	23:35-- 23:45	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	30	00:40-- 01:55	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	30	05:30-- 07:10	USB	315	CLN	2 males very few calls and then short ones	OF84wx	WIA
14000	3	2013	5	30	07:40-- 09:15	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	30	23:01-- 00:00	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	31	00:15-- 00:50	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	31	01:15-- 01:30	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	31	05:20-- 08:30	USB	315	CLN	2 males	OF84wx	WIA
14000	3	2013	5	31	22:45-- 23:20	USB	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	5	31	23:40-- 00:15	USB	315	CLN	Group of males	OF84wx	WIA
14001	3	2013	5	8	00:55-- 00:59	USB	315	CLN	2 males SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	OF84wx	WIA
14001		2013	5	20	<0140- 0150>	J3E/U		CLN UNID		MK82	ARSI
14001.3	3	2013	5	13	00:38-- 00:43	USB	315	CLN	2 males	OF84wx	WIA
14001.3	3	2013	5	13	09:23-- 09:45	USB	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	5	3	00:24-- 00:40	USB	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	5	3	00:37-- 01:15	USB	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	5	4	00:42-- 01:20	USB	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	5	6	00:35-- 00:40	USB	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	5	16	00:20-- 00:25	USB	315	CLN	Group of males 6 PAIRS OF SUBCARRIERS ON RANDOM INTERVALS	OF84wx	WIA
14002.0	5	2013	5	1	1055	G7D				QG52xi	WIA
14002	3	2013	5	6	00:58-- 01:12	USB	315	CLN	2 males	OF84wx	WIA

14002.1	3	2013	5	17	08:00-- 08:15	USB		315	CLN	2 males	OF84wx	WIA
14002.2	3	2013	5	18	06:50-- 07:49	USB		315	CLN	male-female	OF84wx	WIA
14002.4	3	2013	5	13	01:10-- 01:15	USB		315	CLN	2 males	OF84wx	WIA
14004.0	3	2013	5	3	2210	F1B	125			MIL 188-141A ALE	QG52xi	WIA
14005.0	5	2013	5	4	2035	G7DF				HF MANPACK	QG52xi	WIA
14005		2013	5	17	<0200- 0215>	J3E/U			CLN	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14006.9	3	2013	5	23	0805	J3E/U				ASIAN	QG52xi	WIA
14008.0	1	2013	5	1	0835	F1B	250				QG52xi	WIA
14008.5	3	2013	5	22	1025	J3E/U				ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52xi	WIA
14008.5		2013	5	22	<1245- 1255>	J3E/U			CLN		MK82	ARSI
14010.0	5	2013	5	13	0850	G7DF				HF MANPACK	QG52xi	WIA
14011.2	3	2013	5	13	0810	J3E/U				DAILY, ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52xi	WIA
14014		2013	5	12	<0135- 0155>	J3E/U			CLN		MK82	ARSI
14014		2013	5	14	<0150- 0205>	J3E/U			CLN		MK82	ARSI
14014		2013	5	19	<0140- 0150>	J3E/U			CLN		MK82	ARSI
14015.8	3	2013	5	13	0855	J3E/U				DAILY, ASIAN	QG52xi	WIA
14018	3	2013	5	22	01:18-- 01:23	USB		315	CLN	2 males	OF84wx	WIA
14020.0	5	2013	5	13	0820	G7D				DAILY, 8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA
14024.0		2013	5	23	1010	A1A				MIXED NUMBER/LETTER CIPHER, MACHINE SENT	QG52xi	WIA
14024.0	3	2013	5	16	0945	J3E/U				ASIAN	QG52xi	WIA
14025.0	5	2013	5	7	2020	G7D				10 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA
14025.0	5	2013	5	3	0810	G7DF				HF MANPACK FAIR STRENGTH, SPREAD FROM 14022 TO 14028 Khz	QG52xi	WIA
14025		2013	5	8	<2040- 2045>	OTHR			UNID	UNID	MK82	ARSI
14025		2013	5	11	<1000- 1600>	OTHR			UNID	UNID	MK82	ARSI

14026.0	5	2013	5	9	1020	G7D				8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA		
14026.0	5	2013	5	11	1010	G7D				100'S OF SUBCARRIERS ON 33 HZ INTERVALS	QG52xi	WIA		
14026.0	5	2013	5	4	0645	G7D		MOSCOW	RUS	12 x 120 BD BPSK - AT3004D	QG52xi	WIA		
14028.0	3	2013	5	1	0900	J1C				DAILY	QG52xi	WIA		
14030.0	5	2013	5	3	2200	G7DF				HF MANPACK	QG52xi	WIA		
14032.0	3	2013	5	4	0705	F1B	125			MIL 188-141A ALE	QG52xi	WIA		
14035.0	5	2013	5	4	2040	G7DF				HF MANPACK	QG52xi	WIA		
14035		2013	5	9	<0135-O150>	OTHR			UNID	UNID	FAIR STRENGTH, SPREAD FROM 14022 TO 14028 Khz	MK82	ARSI	
14035.8	3	2013	5	7	0955	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14037.1	3	2013	5	13	0800	J3E/U				ASIAN	QG52xi	WIA		
14038.0	5	2013	5	27	0840	G7D				100'S OF SUBCARRIERS ON APPROX 80 HZ INTERVALS, UNSTABLE	QG52xi	WIA		
14041.0	3	2013	5	7	0850	J3E/U				ASIAN	QG52xi	WIA		
14045.0	3	2013	5	30	1220	J3E/U				ASIAN, SOUNDS	QG52xi	WIA		
14045.0	1	2013	5	30	0915	F1B	300			CHINESE	QG52xi	WIA		
14045.0	5	2013	5	4	0705	G7DF				SHORT BURSTS	QG52xi	WIA		
										HF MANPACK	QG52xi	WIA		
										SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2				
14045		2013	5	24	<0205-0215>	J3E/U			CLN	UNID	OM	MK82	ARSI	
14046.0	3	2013	5	24	0845	J3E/U			PHI		TAGALOG	QG52xi	WIA	
14048.0	3	2013	5	3	0635	J3E/U			PHI		DAILY, TAGALOG	QG52xi	WIA	
14049.0	3	2013	5	21	1005	J3E/U					ASIAN, SOUNDS			
											CHINESE	QG52xi	WIA	
											CHINESE OR KOREAN LANGUAGE	QG52xi	WIA	
14050.0	8	2013	5	30	0925	A3E					ASIAN	QG52xi	WIA	
14050.0	6	2013	5	27	0930	A3E					ASIAN	QG52xi	WIA	
14050.0	3	2013	5	7	1015	F1B	125				MIL 188-141A ALE	QG52xi	WIA	
14050.0	3	2013	5	27	0700	J3E/U					ASIAN	QG52xi	WIA	
14050.0	5	2013	5	3	0630	G7DF					HF MANPACK	QG52xi	WIA	
14050		2013	05	18	<0749>	0749			?	Unid	ODFM tones Stanag S3-4			
14050.8	3	2013	5	17	0735	J3E/U					QSB	RF73MF	NZART	ZL1GWE
											ASIAN	QG52xi	WIA	
14051.0	5	2013	5	9	0740	G7D					4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14052.0	3	2013	5	1	0835	J3E/U					ASIAN	QG52xi	WIA	
14053.0	3	2013	5	21	0835	J3E/U					ASIAN	QG52xi	WIA	
14054.0		2013	5	17	0935	A1A					MIXED NUMBER/LETTER	QG52xi	WIA	

14055.0	5	2013	5	4	0705	G7DF			CIPHER		
14057.8	3	2013	5	22	1025	J3E/U			HF MANPACK	QG52xi	WIA
14058.0	3	2013	5	22	1140	J3E/U			ASIAN	QG52xi	WIA
14059.0		2013	5	24	1000	A1A			ASIAN	QG52xi	WIA
14059.0	3	2013	5	22	1020	J3E/U			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
									ASIAN	QG52xi	WIA
14060.0	5	2013	5	9	0645	G7D			4 SUBCARRIERS ON 250 HZ INTERVALS	QG52xi	WIA
14060.0	5	2013	5	4	2015	G7DF			HF MANPACK	QG52xi	WIA
14061.0	3	2013	5	15	0935	J3E/U			ASIAN, REPEATING TRAFFIC OVER & OVER	QG52xi	WIA
14061.0		2013	5	15	0925	A1A			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
14062.9	3	2013	5	14	0820	J3E/U			ASIAN	QG52xi	WIA
14064.0	5	2013	5	8	2015	G7D			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA
14065.0	5	2013	5	3	1950	G7DF			HF MANPACK	QG52xi	WIA
14065.9	3	2013	5	15	0900	J3E/U			ASIAN	QG52xi	WIA
14067.8	3	2013	5	10	01:20--01:35	LSB	360	INS	2 males, no earlier activity and intruders were from Indonesia	OF84wx	WIA
14073.1	3	2013	5	29	0835	J3E/L			ASIAN	QG52xi	WIA
14084.0	5	2013	5	22	0740	G7D			4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA
14086.0	5	2013	5	15	0940	G7D			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA
14089.0	5	2013	5	22	0740	G7D			8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA
14091.8	3	2013	5	13	0820	J3E/U			DAILY, ASIAN	QG52xi	WIA
14098.0		2013	5	4	0735	A1A			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
14100.0		2013	5	15	0845	A1A			NUMBER CIPHER	QG52xi	WIA
14100.0	3	2013	5	1	1055	J3E/U			DAILY, ASIAN	QG52xi	WIA
14101.0	5	2013	5	3	1040	G7D			8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA
14102.0	3	2013	5	18	0705	J3E/U			SPANISH FISH BOATS	QG52xi	WIA
14102.0	5	2013	5	1	0910	G7D			8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA
14102.1	3	2013	5	29	0755	J3E/L		PHI	TAGALOG	QG52xi	WIA
14102.1	3	2013	5	29	0745	J3E/U		PHI	TAGALOG	QG52xi	WIA
									MODULATION SOUNDS LIKE HUM. MIXED		
14108.0	3	2013	5	29	1000	A2A			NUMBER/LETTER CIPHER	QG52xi	WIA
14111.2	3	2013	5	22	1030	J3E/U		PHI	TAGALOG	QG52xi	WIA

14114.0		2013	5	22	0745	A1A						MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14117.0	5	2013	5	9	2020	G7D						>10 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
14120.0	5	2013	5	3	0840	G7DF						HF MANPACK	QG52xi	WIA	
												4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14128.0	5	2013	5	2	0725	G7D						HF MANPACK	QG52xi	WIA	
14130.0	5	2013	5	7	0855	G7DF						4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14137.0	5	2013	5	2	0745	G7D						CONTINUOUS	QG52xi	WIA	
14141.0	1	2013	5	15	0905	F1B	500					TAGALOG	QG52xi	WIA	
14146.0	3	2013	5	22	0745	J3E/U			PHI			DAILY, ASIAN, FAMILY NET	QG52xi	WIA	
14148.3	3	2013	5	1	0830	J3E/U						ASIAN	QG52xi	WIA	
14148.7	3	2013	5	9	1020	J3E/U						TAGALOG	QG52xi	WIA	
14151.5	3	2013	5	25	0745	J3E/U			PHI			ASIAN	QG52xi	WIA	
14156.0	3	2013	5	1	0900	J3E/L						ASIAN, FAMILY NET	QG52xi	WIA	
14157.0	3	2013	5	7	0955	J3E/U						ASIAN	QG52xi	WIA	
14158.2	3	2013	5	7	0855	J3E/L						ASIAN	QG52xi	WIA	
14159.2	3	2013	5	14	0820	J3E/U						HF MANPACK	QG52xi	WIA	
14190.0	5	2013	5	17	0935	G7DF									
14191.0	5	2013	5	12	1025	J3E/U						100'S OF SUBCARRIERS ON 50 HZ INTERVALS	QG52xi	WIA	
14192	20	2013	05	22	<0410>	0410	P0N		?	Unid		OTHR 4 sec burst every 30 secs.	RF72LQ	NZART	ZL1BAD
14192		2013	05	07	<0955>	0955	F1B	250		?	Unid	Idling only	RF72LQ	NZART	ZL1BAD
												8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14194.0	5	2013	5	13	0830	G7D						DAILY, ASIAN	QG52xi	WIA	
14205.6	3	2013	5	2	0905	J3E/U									
14207.0	3	2013	5	3	0810	J3E/U						DAILY, ASIAN	QG52xi	WIA	
14214.3	3	2013	5	12	1025	J3E/L						ASIAN	QG52xi	WIA	
14216.0	3	2013	5	24	0840	G7D						3 TRIPLE CARRIERS ON 400 HZ CENTRES	QG52xi	WIA	
												4 SUBCARRIERS ON 100 HZ INTERVALS. F1B	QG52xi	WIA	
14217.0	5	2013	5	3	0845	G7D						PREAMBLE	QG52xi	WIA	
14221.0	1	2013	5	3	1930	F1B	200					DAILY, CONTINUOUS	QG52xi	WIA	
14222.2	3	2013	5	15	0940	J3E/U						ASIAN, PROBABLY CHINESE	QG52xi	WIA	
14225.0	5	2013	5	3	0850	G7DF						HF MANPACK	QG52xi	WIA	
14230		2013	05	DY	<1915>	1915-2145	F1B	200		?	Unid	Idling only	RF72LQ	NZART	ZL1BAD

14230	20	2013	05	DY	HX	HX	P0N	?	Unid	OTHR Varying length pulses & variable timing between - usually 80 PPS	RF72LQ	NZART	ZL1BAD
14230		2013	05	DY	HX	HX	G7DE	?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
14230		2013	05	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
14233.0		2013	5	15	0900		A1A		D1QS	NUMBER CIPHER	QG52xi	WIA	
14235.7	3	2013	5	13	0830		J3E/L			ASIAN	QG52xi	WIA	
14241.0		2013	5	30	0910		A1A			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14241.0	5	2013	5	18	0710		G7D			>12 SUBCARRIERS ON 100 HZ INTERVALS	QG52xi	WIA	
14244.9	3	2013	5	2	0905		J3E/L			ASIAN	QG52xi	WIA	
14250.1	3	2013	5	7	0855		J3E/L			ASIAN	QG52xi	WIA	
14252.2	3	2013	5	1	0830		J3E/U			ASIAN	QG52xi	WIA	
14265		2013	05	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 6 PSK	RF72LQ	NZART	ZL1BAD
14266.0	5	2013	5	14	0825		G7D			8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14288.0		2013	5	15	0905		A1A		A6NT	MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14290.0	40	2013	5	22	0750		P0N			OTHR	QG52xi	WIA	
14292.0		2013	5	18	0715		A1A			MIXED NUMBER/LETTER CIPHER, MANY NON-ENGLISH CHAR	QG52xi	WIA	
14293.0	5	2013	5	21	0840		G7D			8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14297.0		2013	5	15	0910		A1A			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14300.0		2013	5	2	0910		A1A			MOSTLY NON-ENGLISH CHARACTERS	QG52xi	WIA	
14300	20	2013	05	25	<2120>	2120	P0N	?	Unid	OTHR 5 sec burst every 25 secs. 80 PPS	RF72LQ	NZART	ZL1BAD
14303.0	3	2013	5	23	0810		J3E/U			DAILY, ASIAN	QG52xi	WIA	
14305.2	3	2013	5	27	0805		J3E/L			ASIAN	QG52xi	WIA	
14308.8	3	2013	5	23	0810		J3E/U			ASIAN	QG52xi	WIA	
14315.7	3	2013	5	7	0900		J3E/L			ASIAN	QG52xi	WIA	
14315.9	3	2013	5	15	0910		J3E/U			DAILY, ASIAN, FAMILY NET	QG52xi	WIA	
14316.0	3	2013	5	1	0830		J3E/U			DAILY, ASIAN, FAMILY NET	QG52xi	WIA	
14316.6	3	2013	5	30	0915		J3E/U			ASIAN	QG52xi	WIA	
14318.8	3	2013	5	3	0815		J3E/U			DAILY, ASIAN, FAMILY NET	QG52xi	WIA	
14335.0	3	2013	5	4	0740		J3E/U			DAILY, ASIAN	QG52xi	WIA	
14337.5	1	2013	5	22	0755		F1B	200			QG52xi	WIA	
14337.9	3	2013	5	1	0905		J3E/U				QG52xi	WIA	
14338.0	5	2013	5	22	0755		G7D			DAILY, ASIAN	QG52xi	WIA	
										8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	

										ALE BURSTS. MANY SUBCARRIERS, STARTS WITH BEEP				QG52xi	WIA	
14344.0	3	2013	5	1	2035		G7D									
18070.0	40	2013	5	26	0740		VXX									
18070.0	20	2013	5	23	0810		P0N									
18080.0	20	2013	5	29	0740		P0N									
18080.0	5	2013	5	28	0805		G7DF									
18100.0	20	2013	5	4	0335		P0N									
18100	10	2013	05	25	<2120>	2120	P0N		?	Unid						
18105.0	20	2013	5	1	0630		P0N									
										SPANISH LANGUAGE, NO CALLS, EVER.				QG52xi	WIA	
18110.0	3	2013	5	28	0820		J3E/U									
18136.0	1	2013	5	4	0745		F1B	500								
18170.0	30	2013	5	26	0735		P0N									
										OTHR S4 continuous Cyprus 50 pps						
18174.5	21	2013	05	26	<0720>	0720-0724	P0N		330	CYR	Unid					
										OTHR, BURSTS, SPILLS INTO AMATEUR ALLOCATION				QG52xi	WIA	
20970.0	100	2013	5	12	0930		P0N									
21000.0	5	2013	5	18	0640		G7DF									
21000.0	3	2013	5	4	2335		J3E/U									
										ASIAN ENCRYPTION INFO FOR VOCODER SSB BELOW BAND				QG52xi	WIA	
21001.5	1	2013	5	2	0715		F1B	150								
21010.0	5	2013	5	4	2330		G7DF									
21011		2013	05	18	<0730>	0730	G7DF		330	?	Unid					
21020.0	5	2013	5	7	0150		G7DF									
21040.0	100	2013	5	5	0125		VXX									
										FAST CODAR SWEEPS				QG52xi	WIA	
										ASIAN, FISH BOATS, ENGINE NOISE.				QG52xi	WIA	
21050.0	3	2013	5	1	0805		J3E/U									
										HF MANPACK, HEARD MANY TIMES				QG52xi	WIA	
21050.0	5	2013	5	5	0115		G7DF									
21051.1	3	2013	5	4	0935		J3E/U									
21055.0	3	2013	5	21	0825		J3E/L									
21060.0	5	2013	5	2	0715		G7DF									
21065.0	5	2013	5	4	0400		G7DF									
21093		2013	05	18	<9728>	0728	G7DF		330	?	Unid					
21100.0	5	2013	5	7	0530		G7DF									
21100.0	3	2013	5	4	0745		J3E/U			PHI						
21100		2013	05	DY	HX	HX	G7DE/F			?	Unid					
21103		2013	05	19	<0413>	0413	G7DF		330	?	Unid					
										OTHR S8-9 66pps 3.5 second bursts part of a pair				RF73MF	NZART	ZL1GWE
21111	94	2013	05	18	<0643>	0643-0710	P0N		330	?	Unid					
21111.1	3	2013	5	18	0025		J3E/U									
21111.1	3	2013	5	1	0815		J3E/L									
										DAILY, ASIAN				QG52xi	WIA	
										DAILY, ASIAN				QG52xi	WIA	

21114	64	2013	05	18	<0643>	0643-0710	P0N	330	?	Unid	OTHR S8-9 66pps 3.5 second bursts part of a pair	RF73MF	NZART	ZL1GWE
21120.0	5	2013	5	25	2325		G7DF				HF MANPACK	QG52xi	WIA	
21120.0	30	2013	5	18	0640		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21124		2013	05	19	<0414>	0414	G7DF	330	?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
21133		2013	05	19	<0414>	0414	G7DF	330	?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
21140.0	20	2013	5	12	1100		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21140	12	2013	05	28	<0322>	0322-0336	P0N				OTHR short burst, S9	RF73IJ	NZART	ZL1TPH
21153.5	25	2013	05	19	<0330>	0330	P0N	330	?	Unid	OTHR 67 pps St 4 second bursts	RF73MF	NZART	ZL1GWE
21158	10	2013	05	28	<0310>	0310	P0N		?	Unid	OTHR sec burst every 25 secs	RF72LQ	NZART	ZL1BAD
21167		2013	05	19	<0414>	0414	G7DF	330	?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
21200.0	20	2013	5	22	0935		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21200.0	20	2013	5	4	0130		VXX				FAST CODAR SWEEPS	QG52xi	WIA	
21206		2013	05	19	<0314>	0314	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21210.0	20	2013	5	4	0005		VXX				FAST CODAR SWEEPS	QG52xi	WIA	
21210	10	2013	05	12	<2310>	2310	P0N		?	Unid	OTHR 5 sec burst every 25 secs	RF72LQ	NZART	ZL1BAD
21220.0	10	2013	5	2	0720		P0N				OTHR, SHORT BURSTS, SLOW PULSE RATE	QG52xi	WIA	
21225	10	2013	05	30	<2330>	2330	P0N		?	Unid	OTHR 6 sec burst every 34 secs 60 PPS	RF72LQ	NZART	ZL1BAD
21228		2013	05	18	<0728>	0728	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21230.0	20	2013	5	25	0425		VXX				FAST CODAR SWEEPS	QG52xi	WIA	
21238.8	3	2013	5	23	0820		J3E/U				ASIAN	QG52xi	WIA	
21240	10	2013	05	31	<0425>	0425	P0N		?	Unid	OTHR 1.5 sec bursts every 33 secs. 50PPS. Occasional double burst	RF72LQ	NZART	ZL1BAD
21246.0	5	2013	5	29	0810		G7D				100'S OF SUBCARRIERS, RANDOM INTERVALS	QG52xi	WIA	
21246.2	3	2013	5	4	0130		J3E/L				ASIAN	QG52xi	WIA	
21250.0	30	2013	5	18	0820		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21250	34	2013	05	18	<0806>	0806	P0N	330	CYP	Unid	OTHR 50 PPS S7 Continuous	RF73MF	NZART	ZL1GWE
21250	20	2013	05	DY	HX	HX	P0N		?	Unid	OTHR Varying length pulses & varying timing between pulses. Usually 80 PPS	RF72LQ	NZART	ZL1BAD
21263	20	2013	05	DY	HX	HX	P0N		?	Unid	OTHR Varying length pulses & timing between pulses	RF72LQ	NZART	ZL1BAD
21270.0	5	2013	5	29	0735		G7DF				HF MANPACK	QG52xi	WIA	
21270	10	2013	05	23	<0410>	0410	P0N		?	Unid	OTHR 10k as above	RF72LQ	NZART	ZL1BAD
21276.3	185	2013	05	18	<0633>	0633	P0N	330	AUS	Unid	OTHR JORN 1.2 second bursts S4 32/33/35 pps	RF72MF	NZART	ZL1GWE

21276.6	18.6	2013	05	18	<0633>	0633	P0N	330	?	Unid	OTHR S4 32/33/35 PPs varying 1.2 second bursts	RF73MF	NZART	ZL1GWE
21280.0	5	2013	5	23	0830		G7DF				HF MANPACK	QG52xi	WIA	
21280.0	40	2013	5	18	0030		P0N				OTHR, BURSTS	QG52xi	WIA	
21283		2013	05	18	<0711>	0711	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21285	10	2013	05	21	<2314>	2314	P0N		?	Unid	Varying length pulses & timing between pulses	RF72LQ	NZART	ZL1BAD
21285	10	2013	05	30	<0325>	0325- 0645	P0N		?	Unid	OTHR 1.5 sec bursts every 33 secs. 50PPS. Occasional double burst	RF72LQ	NZART	ZL1BAD
21285.5	21	2013	05	15	<0637>	0637- 0649	P0N		?	Unid	OTHR short burst, long breaks between S2	RF73IJ	NZART	ZL1TPH
21295.0	5	2013	5	30	0820		G7DF				HF MANPACK	QG52xi	WIA	
21296		2013	05	18	<0728>	0728	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21300.0	5	2013	5	29	0735		G7DF				HF MANPACK	QG52xi	WIA	
21305	14	2013	05	16	<0500>	0500- 0540	P0N		?	Unid	OTHR short burst, long breaks between S7	RF73IJ	NZART	ZL1TPH
21310		2013	05	18	<0712>	0712	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21310		2013	05	19	<0314>	0314	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21318.0	1	2013	5	14	0835		F1B	600			IDLING	QG52xi	WIA	
21322		2013	05	18	<0713>	0713	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21322		2013	05	19	<0314>	0314	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21324.0	1	2013	5	1	0820		G1D				PULSED	QG52xi	WIA	
21338.0	3	2013	5	4	2345		J3E/U				ASIAN	QG52xi	WIA	
21340	10	2013	05	25	<0001>	0001- 0025	P0N		?	Unid	OTHR 4.5 sec burst every 35 secs. 80PPS		NZART	RF72LQ
21349		2013	05	19	<0313>	0313	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21357		2013	05	18	<0712>	0712	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21362		2013	05	19	<0313>	0131	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21362.5	11	2013	05	28	<0323>	0323- 0408	P0N		?	Unid	OTHR short burst, S9	RF73IJ	NZART	ZL1TPH
21370.0	20	2013	5	29	0740		P0N				OTHR, BURSTS CONTINUOUS, RELATIVELY HIGH PULSE RATE	QG52xi	WIA	
21370.0	20	2013	5	7	0850		P0N					QG52xi	WIA	
21375.0	40	2013	5	19	0640		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21390.0	5	2013	5	4	2340		G7DF				HF MANPACK	QG52xi	WIA	
21398.0	15	2013	5	9	0745		G1D				BROAD PSK + SWEEPING CARRIERS	QG52xi	WIA	
21404	24	2013	05	19	<0541>	0541- 0543	P0N	330	?	Unid	OTHR 46 pps S8 5.5 second bursts	RF73MF	NZART	ZL1GWE
21420.0	40	2013	5	18	0025		P0N				OTHR, BURSTS	QG52xi	WIA	
21424	22	2013	05	19	<0336>	0336	P0N	330	?	Unid	OTHR 67 pps S7 4 second bursts	RF73MF	NZART	ZL1GWE
21430.0	5	2013	5	23	0825		G7DF				HF MANPACK	QG52xi	WIA	

21430	10	2013	05	29	<2330>	2330-2355	P0N		?	Unid	OTHR 5 sec burst every 33 secs. 50 PPS		NZART	RF72LQ
21435.0	5	2013	5	30	0820		G7DF				HF MANPACK	QG52xi	WIA	
21437.5	6	2013	5	30	0820		A3E				ASIAN	QG52xi	WIA	
											DAILY, MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG52xi	WIA	
21438.0		2013	5	29	0740		A1A				HF Man Pack 8-PSK S2 100'S OF SUBCARRIERS ON APPROX 40 HZ INTERVALS	RF73MF	NZART	ZL1GWE
21440		2013	05	18	<0716>	0716	G7DF	330	?	Unid	RFA Tinian Island + Jammer	Web SDR	NZART	VR2BG/P
21441.0	5	2013	5	22	0940		G7D				BURSTS, SPILLS INTO 15 MTR AMATEUR ALLOCATION	QG52xi	WIA	
21450		2013	05	06	<0420>	0420	A3E		USA	RFA	BURSTS, SPILLS INTO 12 MTR AMATEUR ALLOCATION	QG52xi	WIA	
21470.0	100	2013	5	30	0825		P0N				ASIAN	QG52xi	WIA	
24870.0	100	2013	5	9	0755		P0N				ASIAN	QG52xi	WIA	
24887.5	8	2013	5	3	0740		F3E				BURSTS	QG52xi	WIA	
24900.0	20	2013	5	25	0145		P0N				HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
24900		2013	05	DY	HX	HX	G7DE/F		?	Unid	ASIAN	QG52xi	WIA	
24905.0	5	2013	5	19	0640		G7DF				ASIAN	QG52xi	WIA	
24905.0	6	2013	5	3	0740		A3E				ASIAN	QG52xi	WIA	
24912.5	6	2013	5	3	0740		F3E				ASIAN	QG52xi	WIA	
24925.0	6	2013	5	4	2330		A3E				ASIAN	QG52xi	WIA	
24930.0	5	2013	5	3	0140		G7DF				HF MANPACK	QG52xi	WIA	
24935.0	6	2013	5	31	2345		A3E				ASIAN	QG52xi	WIA	
24937.5	6	2013	5	17	0850		A3E				DAILY, ASIAN	QG52xi	WIA	
24950.0	6	2013	5	1	0805		A3E				ASIAN	QG52xi	WIA	
24960.0	5	2013	5	9	0750		G7DF				HF MANPACK	QG52xi	WIA	
24960.0	6	2013	5	31	2345		A3E				ASIAN	QG52xi	WIA	
24965.0	5	2013	5	18	0020		G7DF				HF MANPACK	QG52xi	WIA	
24970.0	40	2013	5	26	0625		VXX				CODAR SWEEPS	QG52xi	WIA	
24970.0	20	2013	5	26	0625		P0N				BURSTS	QG52xi	WIA	
24975.0	6	2013	5	4	0000		A3E				ASIAN	QG52xi	WIA	
24990.0	3	2013	5	31	2340		J3E/L				ASIAN	QG52xi	WIA	
28000.0	100	2013	5	30	0750		P0N		IRI		IRANIAN OTHR	QG52xi	WIA	
28000.0	6	2013	5	3	2230		F3E				ASIAN	QG52xi	WIA	
28000.0	6	2013	5	2	0640		A3E				ASIAN	QG52xi	WIA	
28005.0	5	2013	5	6	2230		G7DF				HF MANPACK	QG52xi	WIA	
28005.0	6	2013	5	1	0725		A3E				ASIAN	QG52xi	WIA	
28010.0	5	2013	5	12	0010		G7DF				HF MANPACK	QG52xi	WIA	
28010.0	100	2013	5	11	0320		P0N		IRI		IRANIAN OTHR	QG52xi	WIA	
28012.5	6	2013	5	4	0125		F3E				ASIAN	QG52xi	WIA	
28015.0	6	2013	5	2	0640		A3E				ASIAN	QG52xi	WIA	
28020.0	100	2013	5	19	0605		P0N		IRI		IRANIAN OTHR	QG52xi	WIA	

28020.0	5	2013	5	3	2240	G7DF		HF MANPACK	QG52xi	WIA
28025.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28035.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28037.5	6	2013	5	2	0640	A3E		ASIAN	QG52xi	WIA
28040.0		2013	5	9	0755	A1A	4NAY	DRIFTNET BEACON	QG52xi	WIA
28040.0	6	2013	5	6	2315	A3E		ASIAN	QG52xi	WIA
								SPANISH LANGUAGE, ECHO MIKES, ROGER BEEPS		
28045.0	6	2013	5	2	0640	A3E			QG52xi	WIA
28050.0	100	2013	5	26	0715	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28050.0	6	2013	5	2	0640	A3E		ASIAN	QG52xi	WIA
28055.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28060.0	100	2013	5	25	0735	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28062.5	6	2013	5	9	0800	A3E		ASIAN	QG52xi	WIA
28065.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28075.0	6	2013	5	9	0800	A3E		ASIAN	QG52xi	WIA
								DAILY, SPANISH LANGUAGE, ROGER BEEPS		
28075.0	6	2013	5	1	0725	A3E			QG52xi	WIA
28080.0	5	2013	5	18	0315	G7DF		HF MANPACK	QG52xi	WIA
28085.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28088.7		2013	5	31	0235	A1A	5ABK	DRIFTNET BEACON	QG52xi	WIA
28090.0	6	2013	5	3	2330	A3E		ASIAN	QG52xi	WIA
28095.0	6	2013	5	9	0800	A3E		ASIAN	QG52xi	WIA
28100.0	6	2013	5	1	0725	A3E		SPANISH LANGUAGE	QG52xi	WIA
28100.0	6	2013	5	2	0645	F3E		ASIAN	QG52xi	WIA
28105.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28110.0	100	2013	5	4	0315	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28110.0	6	2013	5	5	0340	A3E		ASIAN	QG52xi	WIA
28112.5	6	2013	5	3	2335	A3E		ASIAN	QG52xi	WIA
28115.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28120.0	100	2013	5	10	0700	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28125.0	6	2013	5	3	2215	A3E		SPANISH LANGUAGE	QG52xi	WIA
28125.0	6	2013	5	1	0725	F3E		ASIAN	QG52xi	WIA
28135.0	5	2013	5	7	0050	G7DF		HF MANPACK	QG52xi	WIA
28135.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
28137.5	6	2013	5	4	2225	F3E		ASIAN	QG52xi	WIA
28145.0	6	2013	5	1	0725	A3E		ASIAN	QG52xi	WIA
								OTHR, CONTINUOUS. LOWER PULSE RATE THAN IRAN		
28150.0	70	2013	5	18	0315	P0N			QG52xi	WIA
28150.0	100	2013	5	10	0705	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28150.0	6	2013	5	2	0645	F3E		ASIAN	QG52xi	WIA
28155.0	6	2013	5	6	0705	A3E		ASIAN	QG52xi	WIA
28160.0	100	2013	5	9	0800	P0N	IRI	IRANIAN OTHR	QG52xi	WIA
28162.5	6	2013	5	4	2305	A3E		ASIAN	QG52xi	WIA

28165.0	6	2013	5	1	0725	A3E				ASIAN	QG52xi	WIA	
28175.0	6	2013	5	3	2215	A3E				SPANISH LANGUAGE	QG52xi	WIA	
28175.0	6	2013	5	1	0725	F3E				ASIAN	QG52xi	WIA	
28185.0	6	2013	5	2	0645	F3E				ASIAN	QG52xi	WIA	
28185		2013	05	19	<0301>	0301	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART ZL1GWE
28187.5	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28195.0	5	2013	5	3	2215	G7DF				HF MANPACK	QG52xi	WIA	
28195.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28200.0	100	2013	5	19	0615	P0N			IRI	IRANIAN OTHR	QG52xi	WIA	
28200.0	6	2013	5	3	2215	A3E				SPANISH LANGUAGE	QG52xi	WIA	
28200.0	6	2013	5	2	0645	F3E				ASIAN	QG52xi	WIA	
28205.0	6	2013	5	3	0715	A3E				ASIAN	QG52xi	WIA	
28210.0	5	2013	5	12	0545	G7DF				HF MANPACK	QG52xi	WIA	
28210.0	6	2013	5	2	0645	A3E				ASIAN	QG52xi	WIA	
28212.5	6	2013	5	6	0710	A3E				ASIAN	QG52xi	WIA	
28215.0	6	2013	5	2	0645	A3E				ASIAN	QG52xi	WIA	
28225.0	6	2013	5	1	0730	F3E				ASIAN	QG52xi	WIA	
28225.0	6	2013	5	3	2215	A3E				SPANISH LANGUAGE	QG52xi	WIA	
28230.0	5	2013	5	18	0320	G7DF				HF MANPACK	QG52xi	WIA	
28235.0	5	2013	5	26	0635	G7DF				HF MANPACK	QG52xi	WIA	
28235.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28237.5	6	2013	5	2	0645	A3E				ASIAN	QG52xi	WIA	
28240.0	6	2013	5	17	0835	A3E				ASIAN	QG52xi	WIA	
28245.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28250.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28255.0	6	2013	5	3	0720	A3E				ASIAN	QG52xi	WIA	
28260.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28262.5	6	2013	5	6	0710	A3E				ASIAN	QG52xi	WIA	
28265.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28272.0	6	2013	5	31	0230	A3E				ASIAN	QG52xi	WIA	
28275.0	6	2013	5	3	2220	A3E				SPANISH LANGUAGE	QG52xi	WIA	
28275.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28280.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28285.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28287.5	6	2013	5	3	0720	F3E				ASIAN	QG52xi	WIA	
28290.0	100	2013	5	9	0805	P0N			IRI	IRANIAN OTHR	QG52xi	WIA	
28290.0	5	2013	5	4	2230	G7DF				HF MANPACK	QG52xi	WIA	
28292.0	6	2013	5	17	0840	A3E				ASIAN	QG52xi	WIA	
28295.0	6	2013	5	1	0730	F3E				ASIAN	QG52xi	WIA	
28300.0	5	2013	5	17	2215	G7DF				HF MANPACK	QG52xi	WIA	
28300.0	6	2013	5	2	0650	A3E				ASIAN	QG52xi	WIA	
28305.0	6	2013	5	1	0730	A3E				ASIAN	QG52xi	WIA	
28305.0	6	2013	5	3	2220	A3E				SPANISH LANGUAGE	QG52xi	WIA	
28309		2013	05	19	<0243>	0243	XXX	330	?	Unid	Unknown triangular waveform S2	RF73MF	NZART ZL1GWE

28310.0	6	2013	5	31	2305	A3E					SPANISH LANGUAGE	QG52xi	WIA	
28312.5	6	2013	5	28	0725	A3E					ASIAN	QG52xi	WIA	
28315.0	6	2013	5	1	0730	A3E					ASIAN	QG52xi	WIA	
28325.0	6	2013	5	3	2220	A3E					SPANISH LANGUAGE	QG52xi	WIA	
28325.0	6	2013	5	1	0730	F3E					ASIAN	QG52xi	WIA	
28335.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28337.5	6	2013	5	6	0730	A3E					ASIAN	QG52xi	WIA	
28349		2013	05	19	<0313>	0313	G7DF	330	?	Und	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
28350.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28355.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28362.5	6	2013	5	6	0725	A3E					ASIAN	QG52xi	WIA	
28365.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28370.0	100	2013	5	1	0735	P0N			IRI		LIKE MCW ONLY VERY BROAD	QG52xi	WIA	
28372.0	6	2013	5	9	0805	A3E					ASIAN	QG52xi	WIA	
28375.0	6	2013	5	3	2220	A3E					SPANISH LANGUAGE	QG52xi	WIA	
28375.0	6	2013	5	2	0650	F3E					ASIAN	QG52xi	WIA	
28385.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28387.5	6	2013	5	6	0720	A3E					ASIAN	QG52xi	WIA	
28400.0	6	2013	5	3	2220	A3E					SPANISH LANGUAGE	QG52xi	WIA	
28400.0	6	2013	5	1	0735	F3E					ASIAN	QG52xi	WIA	
28405.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28412.5	6	2013	5	2	0650	A3E					ASIAN	QG52xi	WIA	
28415.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28420.0	6	2013	5	23	0840	A3E					ASIAN	QG52xi	WIA	
28425.0	6	2013	5	1	0735	F3E					ASIAN	QG52xi	WIA	
28435.0	6	2013	5	2	0650	A3E					ASIAN	QG52xi	WIA	
28437.5	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28440.0	5	2013	5	19	0620	G7DF					HF MANPACK	QG52xi	WIA	
28440.0	6	2013	5	4	2310	A3E					ASIAN	QG52xi	WIA	
28450.0	6	2013	5	3	2225	F3E					SPANISH LANGUAGE	QG52xi	WIA	
28450.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28455.0	6	2013	5	1	0735	A3E					ASIAN	QG52xi	WIA	
28462.5	6	2013	5	26	0640	A3E					ASIAN	QG52xi	WIA	
28465.0	6	2013	5	2	0650	A3E					ASIAN	QG52xi	WIA	
28475.0	6	2013	5	1	0735	F3E					ASIAN	QG52xi	WIA	
28485.0	6	2013	5	2	0655	A3E					ASIAN	QG52xi	WIA	
28487		2013	05	19	<0054>	0054	G7DF	330	?	Unid	HF Man Pack *-PSK S1	RF73MF	NZART	ZL1GWE
28500.0	6	2013	5	3	2340	A3E					ASIAN	QG52xi	WIA	
28500		2013	05	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
28500		2013	05	22	<0250>	0250	G7DE		?	Unid	HF Man Pack 6 PSK	RF72LQ	NZART	ZL1BAD
28505.0	6	2013	5	1	0740	A3E					ASIAN	QG52xi	WIA	
28512.5	6	2013	5	31	0230	A3E					ASIAN	QG52xi	WIA	
28515.0	6	2013	5	1	0740	A3E					ASIAN	QG52xi	WIA	
28525.0	6	2013	5	1	0740	A3E					ASIAN	QG52xi	WIA	

28535.0	5	2013	5	26	0645	G7DF	HF MANPACK	QG52xi	WIA
28535.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28537.5	6	2013	5	2	0655	A3E	ASIAN	QG52xi	WIA
28550.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28555.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28565.0	5	2013	5	6	0800	G7DF	HF MANPACK	QG52xi	WIA
28565.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28575.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28585.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28587.5	6	2013	5	6	0755	A3E	ASIAN	QG52xi	WIA
28595.0	6	2013	5	31	2315	A3E	SPANISH LANGUAGE	QG52xi	WIA
28595.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28600.0	6	2013	5	2	0655	F3E	ASIAN	QG52xi	WIA
28605.0	6	2013	5	2	0655	A3E	ASIAN	QG52xi	WIA
28612.5	6	2013	5	6	0820	A3E	ASIAN	QG52xi	WIA
28615.0	6	2013	5	2	0655	A3E	ASIAN	QG52xi	WIA
28620.0	6	2013	5	23	0840	A3E	ASIAN	QG52xi	WIA
28625.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28635.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28637.5	6	2013	5	2	0700	A3E	ASIAN	QG52xi	WIA
28645.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28650.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28655.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28660.0	6	2013	5	17	0825	A3E	ASIAN	QG52xi	WIA
28665.0	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28667.5	6	2013	5	1	0740	A3E	ASIAN	QG52xi	WIA
28675.0	6	2013	5	3	2345	A3E	ASIAN	QG52xi	WIA
28680.0	6	2013	5	12	0055	A3E	ASIAN	QG52xi	WIA
28685.0	6	2013	5	3	0725	A3E	ASIAN	QG52xi	WIA
28687.5	6	2013	5	3	0725	A3E	ASIAN	QG52xi	WIA
28695.0	6	2013	5	7	0055	A3E	ASIAN	QG52xi	WIA
28700.0	6	2013	5	4	2315	A3E	ASIAN	QG52xi	WIA
28705.0	6	2013	5	1	0745	A3E	ASIAN	QG52xi	WIA
28712.5	6	2013	5	5	0920	A3E	ASIAN	QG52xi	WIA
28715.0	6	2013	5	1	0745	A3E	ASIAN	QG52xi	WIA
28725.0	6	2013	5	1	0745	F3E	ASIAN	QG52xi	WIA
28735.0	6	2013	5	3	0725	A3E	ASIAN	QG52xi	WIA
28737.5	6	2013	5	5	0900	A3E	ASIAN	QG52xi	WIA
28745.0	6	2013	5	3	2345	A3E	ASIAN	QG52xi	WIA
28750.0	6	2013	5	1	0745	F3E	ASIAN	QG52xi	WIA
28755.0	6	2013	5	3	0725	A3E	ASIAN	QG52xi	WIA
28760.0	6	2013	5	1	0745	A3E	ASIAN	QG52xi	WIA
28762.5	6	2013	5	3	2345	A3E	ASIAN	QG52xi	WIA
28765.0	6	2013	5	3	2345	F3E	ASIAN	QG52xi	WIA
28765.0	5	2013	5	4	2315	G7DF	HF MANPACK	QG52xi	WIA

28770.0	6	2013	5	3	2345	A3E				ASIAN	QG52xi	WIA		
28775.0	6	2013	5	1	0745	F3E				ASIAN	QG52xi	WIA		
28780.0	5	2013	5	12	0135	G7DF				HF MANPACK	QG52xi	WIA		
28787.5	6	2013	5	3	2345	F3E				ASIAN	QG52xi	WIA		
28795.0	6	2013	5	7	0100	A3E				ASIAN	QG52xi	WIA		
28800.0	6	2013	5	2	0700	F3E				ASIAN	QG52xi	WIA		
28812.5	6	2013	5	3	0730	F3E				ASIAN	QG52xi	WIA		
28815.0	6	2013	5	2	0700	A3E				ASIAN	QG52xi	WIA		
28825.0	6	2013	5	1	0745	A3E				ASIAN	QG52xi	WIA		
28835.0	6	2013	5	2	0700	A3E				ASIAN	QG52xi	WIA		
28837.5	6	2013	5	2	0700	A3E				ASIAN	QG52xi	WIA		
28840.0	6	2013	5	4	2315	A3E				ASIAN	QG52xi	WIA		
28850.0	6	2013	5	3	2350	A3E				ASIAN	QG52xi	WIA		
28855.0	6	2013	5	12	0135	A3E				ASIAN	QG52xi	WIA		
28862.5	6	2013	5	1	0750	A3E				ASIAN	QG52xi	WIA		
28865.0	6	2013	5	18	0010	A3E				ASIAN	QG52xi	WIA		
28870	410	2013	05	25	<0654>	P0N	0654-0737	330	IRN	Unid	OTHR Iranian 993-1003 pps	RF73MF	NZART	ZL1GWE
28875.0	6	2013	5	2	0700	F3E					ASIAN	QG52xi	WIA	
28880.0	100	2013	5	28	0730	P0N			IRN		IRANIAN OTHR	QG52xi	WIA	
28880.0	6	2013	5	3	0730	A3E					ASIAN	QG52xi	WIA	
28887.5	6	2013	5	2	0700	A3E					ASIAN	QG52xi	WIA	
28890.0	100	2013	5	1	0750	P0N			IRN		IRANIAN OTHR	QG52xi	WIA	
28900.0	6	2013	5	1	0750	A3E					ASIAN	QG52xi	WIA	
28905.0	6	2013	5	12	0600	A3E					ASIAN	QG52xi	WIA	
28911.5	824	2013	05	25	<0714.	P0N	0714-0737	330	IRN	Unid	OTHR from 27970 up to 35740	RF73MF	NZART	ZL1GWE
28912.5	6	2013	5	1	0750	A3E					ASIAN	QG52xi	WIA	
28920.0	6	2013	5	9	0815	A3E					ASIAN	QG52xi	WIA	
28925.0	6	2013	5	1	0750	F3E					ASIAN	QG52xi	WIA	
28935.0	6	2013	5	3	2350	A3E					ASIAN	QG52xi	WIA	
28937.5	6	2013	5	1	0750	F3E					ASIAN	QG52xi	WIA	
28950.0	6	2013	5	1	0750	F3E					ASIAN	QG52xi	WIA	
28962.5	6	2013	5	1	0750	F3E					ASIAN	QG52xi	WIA	
28975.0	6	2013	5	1	0750	A3E					ASIAN	QG52xi	WIA	
28985.0	6	2013	5	2	0705	A3E					ASIAN	QG52xi	WIA	
28987.5	6	2013	5	1	0750	F3E					ASIAN	QG52xi	WIA	
29000.0	6	2013	5	3	2350	A3E					ASIAN	QG52xi	WIA	
29012.5	6	2013	5	5	0815	A3E					ASIAN	QG52xi	WIA	
29015.0	6	2013	5	2	0705	F3E					ASIAN	QG52xi	WIA	
29020.0	6	2013	5	30	0800	A3E					ASIAN	QG52xi	WIA	
29025.0	6	2013	5	2	0705	F3E					ASIAN	QG52xi	WIA	
29035.0	6	2013	5	5	0815	A3E					ASIAN	QG52xi	WIA	
29037.5	6	2013	5	5	0850	A3E					ASIAN	QG52xi	WIA	
29040.0	6	2013	5	2	0705	A3E					ASIAN	QG52xi	WIA	

29050.0	6	2013	5	1	0750	F3E		ASIAN	QG52xi	WIA
29062.5	6	2013	5	1	0750	A3E		ASIAN	QG52xi	WIA
29065.0	6	2013	5	2	0705	A3E		ASIAN	QG52xi	WIA
29075.0	6	2013	5	1	0750	F3E		ASIAN	QG52xi	WIA
29087.5	6	2013	5	1	0750	F3E		ASIAN	QG52xi	WIA
29100.0	6	2013	5	1	0750	F3E		ASIAN	QG52xi	WIA
29105.0	6	2013	5	1	0750	A3E		ASIAN	QG52xi	WIA
29112.5	6	2013	5	5	0850	A3E		ASIAN	QG52xi	WIA
29125.0	6	2013	5	1	0750	F3E		ASIAN	QG52xi	WIA
29135.0	6	2013	5	4	2320	A3E		ASIAN	QG52xi	WIA
29140.0	6	2013	5	25	0630	A3E		ASIAN	QG52xi	WIA
29140.0	8	2013	5	1	0755	A3E		ASIAN SW BROADCAST	QG52xi	WIA
29145.0	6	2013	5	4	2320	A3E		ASIAN	QG52xi	WIA
29150.0	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29155.0	6	2013	5	31	2320	A3E		ASIAN	QG52xi	WIA
29160.0	6	2013	5	25	0630	A3E		ASIAN	QG52xi	WIA
29162.5	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29175.0	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29180.0	6	2013	5	3	2355	A3E		ASIAN	QG52xi	WIA
29187.5	6	2013	5	2	0705	F3E		ASIAN	QG52xi	WIA
29190.0	6	2013	5	3	0730	A3E		ASIAN	QG52xi	WIA
29200.0	6	2013	5	1	0755	A3E		ASIAN	QG52xi	WIA
29212.5	6	2013	5	5	0835	A3E		ASIAN	QG52xi	WIA
29225.0	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29237.5	6	2013	5	3	2355	A3E		ASIAN	QG52xi	WIA
29250.0	6	2013	5	1	0755	A3E		ASIAN	QG52xi	WIA
29262.5	6	2013	5	5	0835	A3E		ASIAN	QG52xi	WIA
29275.0	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29287.5	6	2013	5	1	0755	F3E		ASIAN	QG52xi	WIA
29300.0	6	2013	5	1	0755	A3E		ASIAN	QG52xi	WIA
29325.0	6	2013	5	2	0710	A3E		ASIAN	QG52xi	WIA
29337.5	6	2013	5	5	0825	F3E		ASIAN	QG52xi	WIA
29350.0	6	2013	5	1	0755	A3E		ASIAN	QG52xi	WIA
29362.5	6	2013	5	1	0800	F3E		ASIAN	QG52xi	WIA
29375.0	6	2013	5	4	2325	F3E		ASIAN	QG52xi	WIA
29387.5	6	2013	5	1	0800	F3E		ASIAN	QG52xi	WIA
29400.0	6	2013	5	1	0800	A3E		ASIAN	QG52xi	WIA
29412.5	6	2013	5	1	0800	A3E		ASIAN	QG52xi	WIA
29425.0	1	2013	5	4	2325	F1B	150	DAILY, CONTINUOUS	QG52xi	WIA
29425.0	6	2013	5	1	0800	F3E		ASIAN	QG52xi	WIA
29437.5	6	2013	5	1	0800	F3E		ASIAN	QG52xi	WIA
29450.0	6	2013	5	5	0820	A3E		ASIAN MUSIC	QG52xi	WIA
29450.0	6	2013	5	1	0800	A3E		ASIAN	QG52xi	WIA
29462.5	6	2013	5	2	0710	A3E		ASIAN	QG52xi	WIA
29475.0	6	2013	5	1	0800	F3E		ASIAN	QG52xi	WIA

29487.5	6	2013	5	2	0710	F3E	ASIAN	QG52xi	WIA
29500.0	6	2013	5	3	0735	A3E	ASIAN	QG52xi	WIA
29512.5	6	2013	5	1	0800	A3E	ASIAN	QG52xi	WIA
29515.0	6	2013	5	3	2355	A3E	ASIAN	QG52xi	WIA
29525.0	6	2013	5	2	0710	F3E	ASIAN	QG52xi	WIA
29537.5	6	2013	5	1	0800	A3E	ASIAN	QG52xi	WIA
29550.0	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29555.0	6	2013	5	12	0145	A3E	ASIAN	QG52xi	WIA
29562.5	6	2013	5	4	0000	A3E	ASIAN	QG52xi	WIA
29575.0	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29587.5	6	2013	5	5	0825	F3E	ASIAN	QG52xi	WIA
29595.0	6	2013	5	1	0800	A3E	ASIAN	QG52xi	WIA
29612.5	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29625.0	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29637.5	6	2013	5	4	0000	F3E	ASIAN	QG52xi	WIA
29650.0	6	2013	5	4	0000	F3E	ASIAN	QG52xi	WIA
29662.5	6	2013	5	5	0825	F3E	ASIAN	QG52xi	WIA
29675.0	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29687.5	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA
29700.0	6	2013	5	1	0800	F3E	ASIAN	QG52xi	WIA