



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



August 2013

Peter Young VK3MV

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

This month there were 1045 observations of intruders made across the Region as compared to last month of 1065.

OHR systems logged on 15 meters continuing again this month operating in the higher portion of the band. There were a number of OHR systems operating on 20 meters causing particular interference to a number of "nets" between 14160 - 14300 kHz believed to be coming from NNW of Australia. These have been reported to regulatory authorities.

NZART reports the arrival on 13996 kHz, of a OFDM -12 tone Military data system - spreading into lower 20 metre Spectrum. Further reports needed.

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 needed and really appreciated. Keep them coming.

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

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3499.0	3	2013	8	14	1830		J3E/U						DAILY, ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3549.0	3	2013	8	23	1940		J3E/U						ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3552	3	2013	8	17		21:03	J3E						Japanese song with no call sign		JARL	
3552	3	2013	8	23		19:40	J3E						Japanese song with no call sign		JARL	
3553	3	2013	8	18		21:35	J3E						Japanese song with no call sign		JARL	
3584.0	3	2013	8	1	2005		J1C						DAILY	QG52xi	WIA	VK4TJ
3586.0	1	2013	8	30	1820		F1B		250				CONTINUOUS	QG52xi	WIA	VK4TJ
3600.0	3	2013	8	30	1815		J3E/U						ASIAN MUSIC + TALKING	QG52xi	WIA	VK4TJ
3607		2013	08	04	<0723>	0723	G7DF					Unid	HF Man Pack S2 8- PSK	RF73MF	NZART	ZL1GWE
3623.0	3	2013	8	1	2005		J1C						DAILY	QG52xi	WIA	VK4TJ
3636.0	3	2013	8	14	1830		J3E/U						ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3787.0		2013	8	1	2005		A1A					DRV8	H2FL DE DRV8 MIXED	QG52xi	WIA	VK4TJ
3790.0		2013	8	3	1950		A1A						NUMBER/LETTER CIPHER	QG52xi	WIA	VK4TJ
3792.0	3	2013	8	4	1935		J3E/U						ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3798	0.5	2013	8	7		20:21	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	8	9		23:11	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	8	9		22:08	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	14		20:44	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	16		22:03	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	17		21:14	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	18		21:37	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	21		21:47	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	26		23:41	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	8	28		21:19	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	

3798	0.5	2013	8	30		20:57	A1A			h2fl h2fl h2fl de drvz drvz v	JARL		
6970.0	100	2013	8	1	1910		P0N			DAILY, OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
7000.0	3	2013	8	1	0910		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
										MODULATION IS HUM. LOTS OF NON-ENGLISH CHARACTERS - Letter cipher	QG52xi	WIA	VK4TJ
7001.3	1	2013	8	6	1015		A2E			DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7005.0	3	2013	8	1	0910		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7005.0	3	2013	8	3	0855		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	5	2013	8	6	1020		G7DF			HF MANPACK DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	3	2013	8	1	0910		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	3	2013	8	1	1020		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7015.0	3	2013	8	3	0850		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7015.0	3	2013	8	1	1020		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
										DOZENS OF SUBCARRIERS ON 120 HZ INTERVALS	QG52xi	WIA	VK4TJ
7020.0	5	2013	8	14	1840		G7D			DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7020.0	3	2013	8	1	0910		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7020.0	3	2013	8	1	1020		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7022.0	1	2013	8	4	1950		F1B	200		CONTINUOUS DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7025.0	3	2013	8	20	0945		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7025.0	3	2013	8	3	0850		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7027.5	6	2013	8	6	1930		A1A	KGZ	V	DAILY, BEACON	QG52xi	WIA	VK4TJ
7029.0	5	2013	8	7	0945		G7D			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7030.0	3	2013	8	20	0945		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7030.0	5	2013	8	9	1005		G7DF			HF MANPACK 100'S OF SUBCARRIERS ON APPROX 38 HZ INTERVALS	QG52xi	WIA	VK4TJ
7030.0	5	2013	8	4	1950		G7D			DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7030.0	3	2013	8	1	0930		J3E/L	INS		10 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7032.0	5	2013	8	1	2010		G7D				QG52xi	WIA	VK4TJ

7038.7	6	2013	8	1	2010	A1A		RUS	D	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7038.8	6	2013	8	1	2010	A1A		RUS	P	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039		2013	8	7	<2200- 2215>	A1A		RUS	"P"	SINGLE LETTER BEACON "P"	MK82	ARSI	
7039		2013	8	8	<2300- 2310>	A1A		RUS	"D"	SINGLE LETTER BEACON "D"	MK82	ARSI	
7039		2013	8	20	<0030- 0040>	A1A		RUS	"D"	SINGLE LETTER BEACON "D"	MK82	ARSI	
7039	0.5	2013	8	1	1210	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	1	1720	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	3	2013	8	1	1830	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	1	1934	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	2	1210	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	2	1730	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	2	1850	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	2	1916	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	3	1206	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	3	1630	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	3	1728	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	3	1730	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	3	1848	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	3	1922	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	4	1210	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	4	1620	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	4	1710	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	4	1730	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	4	1840	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	4	1920	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	5	1220	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	5	1616	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	5	1730	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	5	1812	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	5	1920	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	6	1210	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	6	1620	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	6	1712	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	6	1716	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	6	1830	H24 A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	7	1740	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	7	1856	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	8	1210	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	8	1640	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	8	1730	H24 A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	8	8	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	8	1920	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	9	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	9	1630	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	9	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	9	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	9	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1840	H24	A3E	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	10	1920	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	11	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	11	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	11	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	11	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	11	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	12	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	12	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	12	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	12	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	13	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	13	1630	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	13	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	13	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	13	1920	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	14	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	14	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	14	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	15	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	15	1750	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	15	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	15	1910	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	16	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	16	1630	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	16	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	16	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	16	1910	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	17	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	17	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	17	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	17	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	17	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	18	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	8	18	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	18	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	18	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	19	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	19	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	19	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	19	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	19	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	20	1030	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	20	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	20	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	20	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	20	1832	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	21	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	21	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	21	1726	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	21	1840	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	8	22	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	22	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	22	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	22	1832	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	22	2206	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7039	0.5	2013	8	25	1430	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	26	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	26	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	26	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	26	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	27	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	27	1618	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	27	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	27	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	28	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	28	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	28	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	28	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	29	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	29	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	29	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	29	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	30	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	30	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	30	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	30	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	31	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	8	31	1612	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	31	1708	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	8	31	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039		2013	08	DY	H24	0330-2200	A1A		RUS	M	Magadan - Beacon M RTS	RF72LQ	NZART	ZL1BAD
7039		2013	08	DY	H24	0330-2200	A1A		RUS	F	Vladivostok - Beacon F RJS	RF72LQ	NZART	ZL1BAD
7039		2013	08	DY	H24	0330-2200	A1A		RUS	P	Kaliningrad - Beacon P RMP	RF72LQ	NZART	ZL1BAD
7039		2013	08	DY	H24	0330-2200	A1A		RUS	K	Petropavlovsk - Beacon K RCC	RF72LQ	NZART	ZL1BAD
7039.2	6	2013	8	1	0905		A1A		RUS	K	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039.3	6	2013	8	6	1930		A1A		RUS	M	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039.3		2013	08	DY	H24	0330-2200	A1A		RUS	S	Severomorsk - Beacon S RIT	RF72LQ	NZART	ZL1BAD
7039.4		2013	08	DY	H24	0330-2200	A1A		RUS	C	Moscow - Beacon C RIW	RF72LQ	NZART	ZL1BAD
7039.9		2013	08	DY	H24	0330-2200	A1A		RUS	A	Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7040	0.5	2013	8	6		20:27	A1A				train of " K ", " M "		JARL	
7040	0.5	2013	8	7		20:23	A1A				train of " K ", " M "		JARL	
7040	0.5	2013	8	9		23:17	A1A				train of " M "		JARL	
7040	0.5	2013	8	13		19:51	A1A				train of " M ", " K "		JARL	
7040	0.5	2013	8	14		20:46	A1A				train of " M "		JARL	
7040	0.5	2013	8	16		23:05	A1A				train of " M ", " K "		JARL	
7040	0.5	2013	8	17		21:17	A1A				train of " M "		JARL	
7040	0.5	2013	8	18		21:40	A1A				train of " M "		JARL	
7040	0.5	2013	8	20		23:05	A1A				train of " M ", " K "		JARL	
7040	0.5	2013	8	21		21:50	A1A				train of " M "		JARL	
7040	0.5	2013	8	23		19:47	A1A				train of " TT M "		JARL	
7040	0.5	2013	8	28		21:22	A1A				train of " M ", " K "		JARL	
7040	0.5	2013	8	30		00:05	A1A				train of " M "		JARL	
7040	0.5	2013	8	30		20:58	A1A				train of " M "		JARL	
7045.0	5	2013	8	6	1930		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
7050.0	3	2013	8	6	1930		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7055.0	5	2013	8	28	1045		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
7060		2013	08	02	<1730>	1730	A3E		?	Unid	B-C stn	RF72LQ	NZART	ZL1BAD
7100.0	3	2013	8	1	1020		J3E/L		INS		MOSLEMS AT PRAYER	QG52xi	WIA	VK4TJ
7102.0	5	2013	8	4	1955		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7102.7	3	2013	8	1	0905		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7110.5	1	2013	8	14	0920		F1B	500			CONTINUOUS	QG52xi	WIA	VK4TJ

											MIXED			
7111.0		2013	8	30	0940		A1A				NUMBER/LETTER			
7111	3	2013	8	15	1740	H24	F1B	non	non	non	CIPHER	QG52xi	WIA	VK4TJ
7120.0	8	2013	8	4	1955		A3E			SOM	now on air	PM97	JARL	non
7120	3	2013	8	1	1726	H24	A3E	non	non	non	DAILY, RADIO			
7120	3	2013	8	1	1840	H24	A3E	non	non	non	HARGEISA	QG52xi	WIA	VK4TJ
7120	3	2013	8	1	1940	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	2	1720	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	2	1840	H24	A3E	non	non	non	unknown	PM97	JARL	non
7120	3	2013	8	2	1634	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	3	1720	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	3	1840	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	3	1918	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	4	1630	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	4	1714	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	4	1848	H24	A3E	non	non	non	unknown music and			
7120	3	2013	8	5	1630	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	5	1734	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	5	1816	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	6	1628	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	6	1730	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	6	1840	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	7	1640	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	7	1730	H24	A3E	non	non	non	Beacon	PM97	JARL	non
7120	3	2013	8	8	1206	H24	JM	non	non	non	Beacon	PM97	JARL	non
7120	3	2013	8	12	1846	H24	A3E	non	non	non	white noice	PM97	JARL	non
7120	3	2013	8	14	1840	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	18	1832	H24	A3E	non	non	non	talk	PM97	JARL	non
7120	3	2013	8	19	1840	H24	A3E	non	non	non	Beacon	PM97	JARL	non
7120	3	2013	8	20	1846	H24	A3E	non	non	non	unkown music and			
7120	3	2013	8	21	1844	H24	A3E	non	non	non	talk	PM97	JARL	non

7120	3	2013	8	22	1840	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	8	26	1846	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	8	27	1842	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	8	28	1846	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	8	29	1838	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120		2013	08	08	<1320>	1320	F7D		?	Unid	8 Chnls	RF72LQ	NZART	ZL1BAD
7121.0	5	2013	8	19	1005		G1D				HEAVY PSK	QG52xi	WIA	VK4TJ
7126.4	3	2013	8	26	0830		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7130.0	100	2013	8	31	1150		P0N				OTHR, CONTNUOUS	QG52xi	WIA	VK4TJ
7130.1	3	2013	8	8	0845		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7132.0	5	2013	8	28	1940		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7135.1	3	2013	8	6	1925		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7152.4		2013	8	17	2045		N0N					QG52xi	WIA	VK4TJ
7162.4	3	2013	8	6	1010		J3E/U				ASIAN MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	VK4TJ
7171.0		2013	8	30	0945		A1A					QG52xi	WIA	VK4TJ
7171.0	3	2013	8	14	0920		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7171.8	3	2013	8	1	1025		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7179.7	3	2013	8	6	1925		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7185		2013	08	08	<1315>	1315	A3E		?	Unid	B-C Stn	RF72LQ	NZART	ZL1BAD
7185		2013	08	12	<1245>	1245	A3E		?	Unid	B-C Stn	RF72LQ	NZART	ZL1BAD
7189.8	3	2013	8	6	0955		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7193.2	3	2013	8	1	1020		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7195.0	3	2013	8	26	0840		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7195.0	8	2013	8	26	0810		A3E				SW BROADCAST	QG52xi	WIA	VK4TJ
7195.0	5	2013	8	1	1025		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
7199.0	3	2013	8	30	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7200.0	8	2013	8	20	1130		A3E				SW BROADCAST	QG52xi	WIA	VK4TJ
7200	5	2013	8	1	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	1	2208	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	2	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	2	2210	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	3	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	3	2210	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	4	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot

7200	3	2013	8	4	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	5	2206	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	5	2210	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	6	2158	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	8	6	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	8	6	2204	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	7	1842	H24	A3E	non	RUS	non	Russian talk and music	PM97	JARL	non
7200	5	2013	8	7	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	7	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	8	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	8	2208	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	9	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	9	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	10	2206	H24	A1A	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	10	2210	H24	A1A	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	11	2158	H24	A0N	non	CHN	non	no modulation	PM97	JARL	Magadan
7200	5	2013	8	11	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	8	11	2204	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	8	11	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 23:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	8	12	2156	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	12	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	12	2206	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	13	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	13	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	14	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot

7200	3	2013	8	14	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	15	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	15	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	16	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	16	2210	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	17	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	17	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	18	2156	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	8	18	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	8	18	2206	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	19	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	19	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	20	2156	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	8	20	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	20	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	5	2013	8	20	2206	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	21	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	21	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	22	2156	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	8	22	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	22	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	5	2013	8	22	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 3+1 on time	PM97	JARL	non
7200	5	2013	8	25	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	25	2208	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	26	2212	H24	A3E	273	CHN	PBS Nei	Chinese talk and	PM97	JARL	Hohhot

										Meng	music			
7200	3	2013	8	26	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	27	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	27	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	28	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	28	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	8	29	2155	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	8	29	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music 22:00			
7200	5	2013	8	29	2200	H24	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
											Chinese talk and music 22:00			
7200	5	2013	8	29	2200	H24	A3E	non	CHN	non	UTC Time signal 3+1 on time	PM97	JARL	non
7200	3	2013	8	29	2204	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music 23:00			
7200	3	2013	8	29	2258	H24	A3E	273	RUS	PBS Nei Meng	UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	5	2013	8	30	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	30	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	8	31	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	8	31	2212	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											2 SUBCARRIERS ON 500 HZ SPACING,			
7232.0	3	2013	8	28	0820		G7D				HEAVY PSK	QG52xi	WIA	VK4TJ
10115.0	5	2013	8	5	1155		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
10120.0	5	2013	8	15	0850		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
10130.0	5	2013	8	27	0935		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
											SW BROADCAST,			
10140.0	8	2013	8	5	1155		A3E				ASIAN LANGUAGE	QG52xi	WIA	VK4TJ
14000.0	5	2013	8	14	2220		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
											ASIAN, REPEATING SAME MESSAGE			
14000.0	3	2013	8	10	0655		J3E/U				OVER AND OVER	QG52xi	WIA	VK4TJ

14000		2013	08	DY	HX	HX	G7DE		?	Unid	HF Man Pack 6 & 8 PSK *** Note: Whilst a finite freq. is shown for 1 PSK, 6 PSK & 8 PSK these signals	RF72LQ	NZART	ZL1BAD
14000		2013	08	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack PSK ***	RF72LQ	NZART	ZL1BAD
14002.2	3	2013	8	2	0430		J3E/L				DAILY, ALL DAY, ASIAN	QG52xi	WIA	VK4TJ
14003.9	3	2013	8	4	0700		J3E/U				ASIAN, PRECEDED BY SELCALL	QG52xi	WIA	VK4TJ
14004.5	3	2013	8	16	0800		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14005.0	5	2013	8	14	2145		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14005.6	3	2013	8	9	0800		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14008.0	1	2013	8	7	0820		F1B	250			DAILY, NON BETWEEN MESSAGES	QG52xi	WIA	VK4TJ
14009.0	3	2013	8	27	0950		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14010.0	5	2013	8	7	0825		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14010.6	3	2013	8	31	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14011.1	3	2013	8	27	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14014.0	3	2013	8	24	0845		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14014		2013	8	8	<0330- 0345>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014		2013	8	14	<0230- 0240>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014.2	3	2013	8	14	2130		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14015.0	3	2013	8	25	0925		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14015.6	3	2013	8	15	2150		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14015.9	3	2013	8	7	0830		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14016.7	3	2013	8	1	2250		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14018.1	3	2013	8	2	1155		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14020.0	20	2013	8	17	0835		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14020.0	3	2013	8	1	0835		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14021.5	11	2013	08	17	<0812>	0812	P0N		?	Unid	OTHR	RF73IJ	NZART	ZL1TPH
14025.0	5	2013	8	15	0535		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14025.0	5	2013	8	3	2140		G7D				100'S OF SUBCARRIERS ON APPROX 40 HZ INTERVALS	QG52xi	WIA	VK4TJ

14028.1	3	2013	8	2	1155		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14030.0	20	2013	8	21	0905		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14030.0	5	2013	8	14	0900		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14030.0	3	2013	8	25	0935		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14031.1	3	2013	8	9	0805		J3E/U				ASIAN. ALSO SELCALL TONES	QG52xi	WIA	VK4TJ
14034.1	3	2013	8	30	2320		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14035.0	5	2013	8	15	0355		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14035.0	20	2013	8	17	0710		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14035.7	3	2013	8	7	0830		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14036.5	11	2013	08	17	<0705>	0705	P0N		?	Unid	OTHR S5 63-70 pps varying 2 second bursts and 15 secs between bursts	RF73MF	NZART	ZL1GWE
14036.9	3	2013	8	2	0605		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14037.8	3	2013	8	1	0850		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14038.0	5	2013	8	31	0720		G7D				100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
14039.5	3	2013	8	25	0740		J3E/U				ITALIAN OR SPANISH	QG52xi	WIA	VK4TJ
14040.0	5	2013	8	21	0950		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14040.0	20	2013	8	15	0345		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14040.6	3	2013	8	21	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14044.4	3	2013	8	31	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14045.0	1	2013	8	17	2320		G7D				12 TONE FSK ON APPROX 50 HZ CENTRES	QG52xi	WIA	VK4TJ
14045.0	5	2013	8	19	0355		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14045.0	1	2013	8	1	0850		F1B	500			BURSTS	QG52xi	WIA	VK4TJ
14046.8	3	2013	8	21	0830		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14047.0	3	2013	8	16	2150		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14048.0	3	2013	8	8	0740		J3E/U			PHL	DAILY, ALL DAY, TAGALOG	QG52xi	WIA	VK4TJ
14050.0	3	2013	8	2	0435		J3E/U				DAILY, ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
14050.0	5	2013	8	3	0630		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14052.0	3	2013	8	15	2200		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14053.0	3	2013	8	8	0820		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14053.6	3	2013	8	30	0900		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14055.0	5	2013	8	1	2300		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14056.4	3	2013	8	3	0810		J3E/U				DAILY, ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14057.0	3	2013	8	31	0850		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ

14057	10	2013	08	21	<0525>	0525	P0N		?	Unid	OTHR 3.7 every 35 secs 70 PPS S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14060.0	5	2013	8	14	2125		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14060.0	3	2013	8	12	1020		J3E/U				ASIAN, SOUNDS BAHASA	QG52xi	WIA	VK4TJ
14061.3	3	2013	8	14	2125		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14062.0	5	2013	8	21	0820		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14064.0	1	2013	8	4	1020		F1B	250			DAILY,CONTINUOUS	QG52xi	WIA	VK4TJ
14064.5	3	2013	8	3	0815		J3E/L				DAILY, ASIAN, FAMILY NET	QG52xi	WIA	VK4TJ
14065.0	5	2013	8	14	2220		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14065.0	3	2013	8	2	2130		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14065.8	3	2013	8	3	0825		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14066.3	3	2013	8	29	2050		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14067.9	3	2013	8	3	2130		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14069.8	3	2013	8	20	1020		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14072.0	5	2013	8	25	0925		G7D				100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
14075.0	3	2013	8	21	1010		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14075	10	2013	08	27	<0255>	0255	P0N		?	Unid	OTHR 3.7 every 15 secs 70 PPS S2 - 115	RF72LQ	NZART	ZL1BAD
14075.6	3	2013	8	30	0905		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14078	0.5	2013	8	13		20:02	A1A				train of " F "		JARL	
14078	0.5	2013	8	14		20:50	A1A				train of " F "		JARL	
14078.4		2013	8	7	0910		A1A		RUS	F	DAILY, HARBOUR BEACON 2ND HARMONIC	QG52xi	WIA	VK4TJ
14079.0	3	2013	8	19	0825		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14080.0	5	2013	8	21	1020		G7DF				HF MANPACK 12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14081.0	5	2013	8	23	0845		G7D					QG52xi	WIA	VK4TJ
14081.0	1	2013	8	23	0850		F1B	HIGH 250			SAME TX AS G7D, CHANGED TO F1B AT 0850Z	QG52xi	WIA	VK4TJ
14083.8	3	2013	8	21	0955		J3E/L				DAILY, ASIAN 12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14084.0	5	2013	8	25	0745		G7D					QG52xi	WIA	VK4TJ
14085.0	5	2013	8	21	0955		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14085	10	2013	08	02	<0730>	0730	P0N		?	Unid	OTHR 3.7 sec burst every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD

14085.5		2013	08	25	<0720>	0720	J7D	120		RUS	Unid	OFDM 12 tones Military, Stanag with guard signal S5	RF73MF	NZART	ZL1GWE
14087.0	3	2013	8	30	0750		J3E/L					ASIAN OTHR 4 sec burst every 20 secs 70 PPS	QG52xi	WIA	VK4TJ
14093	10	2013	08	01	<0045>	0045	P0N			?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14095	10	2013	08	23	<0300>	0300	P0N			?	Unid	ASIAN, SOUNDS CHINESE, READING A LIST OVER AND OVER	RF72LQ	NZART	ZL1BAD
14100.0	3	2013	8	26	0755		J3E/U					Closed at 0650	QG52xi	WIA	VK4TJ
14100	10	2013	08	06	<0650>	0650	P0N			?	Unid		RF72LQ	NZART	ZL1BAD
14103	10	2013	08	08	<0120>	0120- 0400	P0N			?	Unid	OTHR 3.7 sec every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14103	10	2013	08	05	<0250>	0250- 0500	P0N			?	Unid	OTHR 3.7 sec every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14103	10	2013	08	13	<0001>	0001	P0N			?	Unid	OTHR 3.7 every 30 secs 70PPS S3 - 109dbm	RF72LQ	NZART	ZL1BAD
14103	10	2013	08	14	<0445>	0445	P0N			?	Unid	OTHR 3.7 every 15 secs 70 PPS S2 - 115	RF72LQ	NZART	ZL1BAD
14103	10	2013	08	14	<0445>	0445	P0N			?	Unid	OTHR 3.7 sec every 15 secs 70 PPS S2 -115dbm	RF72LQ	NZART	ZL1BAD
14104		2013	08	18	<0650>	0650- 0710	J7D			CHN	Unid	Chinese 4-4 PSK Diplomatic traffic encrypted S4	RF73MF	NZART	ZL1GWE
14105.0	5	2013	8	21	0820		G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
14105.0	5	2013	8	9	0810		G7D					4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14105	10	2013	08	18	<0405>	0405	P0N			?	Unid	OTHR 3.7 every 32 secs 70 PPS S1 - 121dbm	RF72LQ	NZART	ZL1BAD
14105	10	2013	08	22	<0305>	0305	P0N			?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14105	10	2013	08	27	<0010>	0010	P0N			?	Unid	OTHR 3.7 every 20 secs 70 PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14105	10	2013	08	28	<0245>	0245	P0N			?	Unid	OTHR 3.7 every 30 secs 70 PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14107.0	5	2013	8	13	0800		G7D					8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ

14107	0.5	2013	8	13		20:06	A1A				random number(?)	JARL		
14107	0.5	2013	8	14		20:28	A1A				random number(?)	JARL		
14107		2013	08	18	<0657>	0657	J7D		CHN	Unid	Chinese 4-4 PSK Diplomatic traffic encrypted S3 OTHR 3.7 sec every 20 secs 70PPS S4 - 103dbm DAILY. MODULATION IS HUM. LOTS OF NON-ENGLISH CHARACTERS OTHR, LONG BURSTS	RF73MF	NZART	ZL1GWE
14107	10	2013	08	10	<0330>	0330	P0N		?	Unid	ASIAN OTHR 3 sec evry 20 secs 70 PPS DAILY, ASIAN	RF72LQ	NZART	ZL1BAD
14108.0	1	2013	8	10	0530		A2A					QG52xi	WIA	VK4TJ
14110.0	20	2013	8	26	0800		P0N					QG52xi	WIA	VK4TJ
14110.0	3	2013	8	24	0845		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14110	10	2013	08	07	<0340>	0340- 0515	P0N		?	Unid	OTHR 3 sec evry 20 secs 70 PPS DAILY, ASIAN	RF72LQ	NZART	ZL1BAD
14111.0	3	2013	8	19	0835		J3E/L					QG52xi	WIA	VK4TJ
14111.0	3	2013	8	29	1200		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14111.3	3	2013	8	9	0820		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14112.6	3	2013	8	14	0850		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14113	10	2013	08	02	<0720>	0720	P0N		?	Unid	OTHR 3.7 secs every 15 secs 70 PPS HF MANPACK	RF72LQ	NZART	ZL1BAD
14115.0	5	2013	8	19	0840		G7DF					QG52xi	WIA	VK4TJ
14115	10	2013	08	01	<0315>	0315	P0N		?	Unid	OTHR 3.7 secs every 35 secs 70 PPS ASIAN	RF72LQ	NZART	ZL1BAD
14116.7	3	2013	8	22	0900		J3E/U					QG52xi	WIA	VK4TJ
14123.4	3	2013	8	21	0835		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14127.5	1	2013	8	15	0640		F1B	200			SHORT REPEATED CALLS 2 SUBCARRIERS ON 800 HZ SPACING, HEAVY PSK	QG52xi	WIA	VK4TJ
14128.0	5	2012	8	19	0840		G7D					QG52xi	WIA	VK4TJ
14130.0	100	2013	8	14	2140		P0N				OTHR, LONG BURSTS	QG52xi	WIA	VK4TJ
14130	10	2013	08	13	<0001>	0001	P0N		?	Unid	OTHR 3.7 every 30 secs 70 PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14133	10	2013	08	01	<0315>	0315	P0N		?	Unid	OTHR 3.7 secs every 35 secs 70 PPS MIXED NUMBER/LETTER CIPHER, FULL BREAK-IN	RF72LQ	NZART	ZL1BAD
14135.0		2013	8	3	0820		A1A					QG52xi	WIA	VK4TJ
14135.0	3	2013	8	3	0820		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14137	10	2013	08	13	<0300>	0300- 0420	P0N		?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD

14137	10	2013	08	13	<0735>	0735-0739	P0N		?	Unid	OTHR 3.7 secs every 35 secs 70 PPS S9+ -63dbm DAILY, 12 SUBCARRIERS ON 200 HZ INTERVALS OFDM 12 tones Military Mil-188-110B Stanag S6 1800 Hz centre	RF72LQ	NZART	ZL1BAD
14138.0	5	2013	8	17	0800		G7D					QG52xi	WIA	VK4TJ
14139		2013	08	17	<0540>	0540	F7D	2400		RUS	Unid	RF73MF	NZART	ZL1GWE
14139		2013	08	17	<1005>	1005	F7D			RUS	Unid	RF73MC	NZART	ZL1TTG
14140	10	2013	08	17	<2250>	2250	P0N		?	Unid	OTHR 3.7 secs every 35 secs 70 PPS S6 -91dbm	RF72LQ	NZART	ZL1BAD
14140.5	3	2013	8	22	0950		J3E/L					QG52xi	WIA	VK4TJ
14141.4	3	2013	8	27	1005		J3E/U					QG52xi	WIA	VK4TJ
14143	10	2013	08	07	<0515>	0515-0615	P0N		?	Unid	OTHR 70 PPS	RF72LQ	NZART	ZL1BAD
14144		2013	08	17	<2303>	2303	P0N		?	Unid	OTHR S1 (VK4TJ states S9 + 20dB OTHR 3.7 sec every 30 secs 70 PPS S8 -79dbm	RF73MC	NZART	ZL1TTG
14145	10	2013	08	08	<0615>	0615	P0N		?	Unid	OTHR 3.7 every 25 secs 140 PPS -S7 -85dbm	RF72LQ	NZART	ZL1BAD
14145	10	2013	08	26	<2330>	2330	P0N		?	Unid	ASIAN	RF72LQ	NZART	ZL1BAD
14148.8	3	2013	8	9	0810		J3E/U					QG52xi	WIA	VK4TJ
14150.0	20	2013	8	17	2315		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14150	10	2013	08	17	<2250>	2250	P0N		?	Unid	OTHR 8.5 secs every 28 secs - double bursts, slight off-set. 70PPS S6 -91dbm	RF72LQ	NZART	ZL1BAD
14153	10	2013	08	08	<0120>	0120-0200	P0N		?	Unid	OTHR 3.7 sec every 30 secs 70 PPS OTHR 3.7 every 20 secs 70 PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
14155	10	2013	08	27	<0030>	0030	P0N		?	Unid	Chinese 4+4 Diplomatic traffic encrypted S4	RF72LQ	NZART	ZL1BAD
14157		2013	08	25	<0720>	0720	J7D		330	CHN	Unid	RF73MF	NZART	ZL1GWE
14158.0	5	2013	8	25	0930		G7D				5 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14158.3	3	2013	8	21	0820		J3E/U				ASIAN, FAMILY NET	QG52xi	WIA	VK4TJ
14165	10	2013	08	19	<0400>	0400	P0N		?	Unid	OTHR 3.7 every 40 secs 70 PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
14165	10	2013	08	26	<2330>	2330	P0N		?	Unid	OTHR 3.7 every 25 secs 70 PPS S7 -85dbm	RF72LQ	NZART	ZL1BAD

14170.0	40	2013	8	6	0750	P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14173	10	2013	08	15	<0105>	0105	P0N	?	Unid	OTHR 2 secs every 35 secs 70 PPS S4 -103dbm	RF72LQ	NZART	ZL1BAD
14175	10	2013	08	16	<0230>	0230- 0330	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS S3 -109	RF72LQ	NZART	ZL1BAD
14179.0	5	2013	8	28	0805	G7D				8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14180	10	2013	08	22	<0315>	0315	P0N	?	Unid	OTHR 3.4 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14183	10	2013	08	14	<0445>	0445	P0N	?	Unid	OTHR 4 secs every 20 secs 70 PPS OTHR 3.7 every 35 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14183	10	2013	08	15	<0105>	0105	P0N	?	Unid		RF72LQ	NZART	ZL1BAD
14185.0	5	2013	8	10	0815	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14187	10	2013	08	26	<2330>	2330- 2359	P0N	?	Unid	OTHR 3.7 every 25 secs 70 PPS S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14189	2	2013	8	28	<1045- 1055>	J3E/U		UNID	UNID	QSO between 2 OM	NL06	ARSI	
14190	10	2013	08	13	<0300>	0300- 0425	P0N	?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14192	10	2013	08	02	<0720>	0720- 0730	P0N	?	Unid	OTHR 3.7 secs every 15 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14193	10	2013	08	05	<0255>	0255 0650- 0654	P0N	?	Unid	OTHR 8.5 sec every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14193	10	2013	08	06	<0650>	P0N		?	Unid	OTHR Closed at 0654	RF72LQ	NZART	ZL1BAD
14196.8	3	2013	8	23	0850	J3E/U				ASIAN, KIDS TALKING TO DADDY	QG52xi	WIA	VK4TJ
14197	15	2013	08	11	<0620>	0620	P0N	?	Unid	OTHR 3.7 sec every 20 secs. 70PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
14203	15	2013	08	08	<0615>	0615	P0N	?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14207.0	3	2013	8	28	0810	J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14207	10	2013	08	05	<0250>	0250	P0N	?	Unid	OTHR 4 sec burst every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14212.0	3	2013	8	15	0900	J3E/U				ASIAN, KIDS TALKING TO DADDY	QG52xi	WIA	VK4TJ
14213	15	2013	08	08	<2325>	2325	P0N	?	Unid	OTHR 3.7 sec every 20 secs 70PPS S2 -115dbm	RF72LQ	NZART	ZL1BAD

14220	10	2013	08	10	<2100>	2100	P0N		?	Unid	OTHR 3.7 sec burst every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14220		2013	08	DY	<2000>	2000	F1B	200	?	Unid	FSK Idling most of time.. Technique suggests Russian	RF72LQ	NZART	ZL1BAD
14221.0	1	2013	8	3	2140		F1B	200			CONTINUOUS	QG52xi	WIA	VK4TJ
14222.2	3	2013	8	10	0830		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14224.0	5	2013	8	28	0810		G7D				8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14224.5	3	2013	8	3	2140		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14224.8	6	2013	8	31	0855		A3E				ASIAN, DISTORTED	QG52xi	WIA	VK4TJ
14240.0	1	2013	8	9	0815		F1B	250			DAILY, CONTINUOUS	QG52xi	WIA	VK4TJ
14243	10	2013	08	02	<2310>	2310	P0N		?	Unid	OTHR 3.7 secs every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14248.0	3	2013	8	6	0825		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14250.0	3	2013	8	20	0910		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14250	10	2013	08	02	<0145>	0145	P0N		?	Unid	OTHR 3.7 secs every 15 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14250	10	2013	08	30	<0520>	0520	P0N		?	Unid	OTHR 5 every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14252.2	3	2013	8	21	0825		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14256.0	5	2013	8	21	0830		G7D				100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
14256.7	3	2013	8	9	0815		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14270.0	20	2013	8	30	2325		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14281.0	3	2013	8	20	1010		J3E/U				ASIAN, FAMILY NET	QG52xi	WIA	VK4TJ
14284	10	2013	08	25	<0325>	0325	P0N		?	Unid	OTHR 1.5 every variable times 50 PPS	RF72LQ	NZART	ZL1BAD
14286.6	3	2013	8	12	1010		J3E/U				S7 -85dbm	RF72LQ	NZART	ZL1BAD
14292.0	1	2013	8	1	0845		F1B	500			ASIAN	QG52xi	WIA	VK4TJ
14294	2	2013	8	31	<1220- 1258>		J3E/U		UNID	UNID	CONTINUOUS	QG52xi	WIA	VK4TJ
14298.0	3	2013	8	29	0835		J3E/L				QSO between 2 OM	NL06	ARSI	
14300.0		2013	8	9	0815		A1A				ASIAN	QG52xi	WIA	VK4TJ
14300.0	3	2013	8	7	0915		J3E/L				MIXED NUMBER LETTER CIPHER. MANY NON- ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
14305.0	3	2013	8	28	0810		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14310.0	20	2013	8	10	0215		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ

14312.0	5	2013	8	28	0815		G7D			12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14313	10	2013	08	21	<0520>	0520	P0N	?	Unid	OTHR 3.,7 sec every 35 secs 70 PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
14315.0	20	2013	8	10	0720		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14315.9	3	2013	8	1	0845		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14318.7	3	2013	8	5	0815		J3E/U			ASIAN, DISTORTED	QG52xi	WIA	VK4TJ
14320.0	5	2013	8	13	0805		G7D			8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14321.1	3	2013	8	27	1005		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14326.0	5	2013	8	21	0830		G7D			100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
14329.0	5	2013	8	20	1005		G7D			100'S OF SUBCARRIERS ON ROUGHLY 50 HZ INTERVALS	QG52xi	WIA	VK4TJ
14331.0	3	2013	8	5	0815		J3E/L			DAILY, ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14332.0	1	2013	8	3	2145		F1B	250		CONTINUOUS	QG52xi	WIA	VK4TJ
14334.1	3	2013	8	1	0845		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14339	10	2013	08	17	<0715>	0715	P0N	?	Unid	OTHR 40 pps S6 FMCW	RF73MF	NZART	ZL1GWE
14340.0	20	2013	8	17	0345		P0N			CONTINUOUS, 40 PPS PULSE RATE	QG52xi	WIA	VK4TJ
14340.0	20	2013	8	3	2320		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14345.4	3	2013	8	30	0920		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14350.0	20	2013	8	17	0720		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
18068		2013	08	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1 PSK ***	RF72LQ	NZART	ZL1BAD
18075.0	5	2013	8	27	1030		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
18079.0	3	2013	8	28	0845		J3E/U			ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
18080.0	5	2013	8	3	0125		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
18083.0	1	2013	8	2	0140		F1B			SELCALL	QG52xi	WIA	VK4TJ
18130	15	2013	08	19	<0340>	0340	P0N	?	Unid	OTHR 5.2 every 40 secs 50PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
18135	10	2013	08	28	<0300>	0300	P0N	?	Unid	OTHR 5.2 every 30 secs 50 PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
21000.0	3	2013	8	2	0105		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
21000		2013	08	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1 PSK ***	RF72LQ	NZART	ZL1BAD
21000		2013	08	DY	HX	HX	G7DE	?	Unid	HF Man Pack 6 & 8	RF72LQ	NZART	ZL1BAD

										PSK ***				
21000	10	2013	08	03	<0440>	0440	P0N		?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
21010.0	5	2013	8	22	0750		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21015.0	5	2013	8	3	0805		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21018.5	23	2013	08	23	<0543>	0543-0800	P0N		?	Unid	OTHR assume Cyprus, continuous S9	RF73IJ	NZART	ZL1TPH
21020.0	20	2013	8	23	0655		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
21020.0	5	2013	8	17	0655		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21027.5	3	2013	8	2	2125		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
21050.0	5	2013	8	15	0020		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21053		2013	08	25	<0602>	0602	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21053	15	2013	08	09	<0510>	0510-0517	P0N		?	Unid	OTHR 5 sec every 25 secs 50PPS S6 - 91dbm	ZL1BAD	NZART	ZL1BAD
21065.0	5	2013	8	17	0800		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21070.9	3	2013	8	26	0750		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
21095	15	2013	08	11	<2355>	2355	P0N		?	Unid	OTHR 5.3 sec every 30 secs. 50 PPS S7 -85dbm	RF72LQ	NZART	ZL1BAD
21097		2013	08	25	<0600>	0600	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21110.0	5	2013	8	4	0020		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21119.0	3	2013	8	4	0030		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
21130.0	100	2013	8	29	0825		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21130	11	2013	08	23	<0605>	0605-0640	P0N		?	Unid	OTHR burst, long duration between bursts	RF73IJ	NZART	ZL1TPH
21130	11	2013	08	23	<0605>	0605-0640	P0N		?	Unid	OTHR burst, long duration between bursts	RF73IJ	NZART	ZL1TPH
21133	20	2013	08	20	<0500>	0500	P0N		?	Unid	OTHR 5.2 sec every 30 secs. 50 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
21135.0	1	2013	8	17	0755		F1B	200			SHORT TRANSMISSION, THEN G1D	QG52xi	WIA	VK4TJ
21135.0	5	2013	8	17	2305		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21136		2013	08	25	<0706>	0706	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21140.0	20	2013	8	17	2335		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21140.0	5	2013	8	9	0750		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21145.0	5	2013	8	1	0805		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21150	10	2013	08	10	<2335>	2335	P0N		?	Unid	OTHR 4 sec every 30 secs S8 -79dbm	RF72LQ	NZART	ZL1BAD
21160.0	5	2013	8	31	0130		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ

21165.0	20	2013	8	25	0700	P0N				OTHR, BURSTS OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	QG52xi	WIA	VK4TJ
21175	15	2013	08	25	<0410>	0410	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21190	20	2013	08	22	<0420>	0420	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21190	10	2013	08	29	<0610>	0610	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21193	20	2013	08	05	<2220>	2220	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21203	15	2013	08	02	<0350>	0350	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21203	20	2013	08	08	<2250>	2250	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21203	20	2013	08	10	<2215>	2215	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21204	8	2013	08	18	<0634>	0634- 0700	P0N		?	Unid	RF73MF	NZART	ZL1GWE
21210	20	2013	08	01	<0035>	0035	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	09	<0530>	0530	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	15	<0034>	0034	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	17	<0350>	0350	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	20	<0040>	0040- 0325	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	21	<0530>	0530	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21210	20	2013	08	22	<0330>	0330	P0N		?	Unid	RF72LQ	NZART	ZL1BAD

21210	20	2013	08	22	<2305>	2305	P0N		?	Unid	OTHR 18 every 6 min. 7 PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
21213	10	2013	08	07	<0355>	0355	P0N		?	Unid	OTHR 18 sec burst every 4 mins 8 PPS HF Man Pack 8-PSK S1	RF72LQ	NZART	ZL1BAD
21213		2013	08	25	<0601>	0601	G7DF	330	?	Unid	SWEEPS, PRECURSOR TO OTHR	RF73MF	NZART	ZL1GWE
21220.0	20	2013	8	31	2355		VXX					QG52xi	WIA	VK4TJ
21220	20	2013	08	10	<0325>	0325	P0N		?	Unid	OTHR 18 sec every 4+Mins 8PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
21223	20	2013	08	08	<2245>	2245	P0N		?	Unid	OTHR 18 sec every 4+Mins.. 8PPS	RF72LQ	NZART	ZL1BAD
21227	20	2013	08	01	<0310>	0310	P0N		?	Unid	OTHR 18 sec burst every 4 minutes 8 PPS	RF72LQ	NZART	ZL1BAD
21227	20	2013	08	11	<2350>	2350	P0N		?	Unid	OTHR 18 sec every 2 Minutes 7 PPS S3 - 109dbm	RF72LQ	NZART	ZL1BAD
21228.0	5	2013	8	29	0805		G7D				>12 RANDOM INTERVAL SUBCARRIERS	QG52xi	WIA	VK4TJ
21230	20	2013	08	05	<2245>	2245	P0N		?	Unid	OTHR 18 secs every 4 Mins+ 7 PPS	RF72LQ	NZART	ZL1BAD
21233	10	2013	08	07	<0510>	0510	P0N		?	Unid	OTHR 18 sec every 4+Minutes	RF72LQ	NZART	ZL1BAD
21234.0	5	2013	8	17	0755		G7D				8 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
21235	20	2013	08	04	<0515>	0515	P0N		?	Unid	OTHR 18 sec burst every 4 mins 7 PPS	RF72LQ	NZART	ZL1BAD
21235	20	2013	08	20	<0325>	0325	P0N		?	Unid	OTHR 18 sec every 2 mins. 7 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
21235	10	2013	08	29	<0400>	0400	P0N		?	Unid	OTHR 5.2 every 25 sec 50 PPS S6 - 91dbm	RF72LQ	NZART	ZL1BAD
21237	20	2013	08	10	<2330>	2330	P0N		?	Unid	OTHR 1.5 sec burst every 16 secs 50 PPS	RF72LQ	NZART	ZL1BAD
21240	20	2013	08	17	<0001>	0001	P0N		?	Unid	OTHR 6 secs every 35 secs. 50 PPS S9 -73dbm	RF72LQ	NZART	ZL1BAD
21240	20	2013	08	15	<0027>	0027	P0N		?	Unid	OTHR 18 sec every 6 Minutes 7 PPS S4-103dbm	RF72LQ	NZART	ZL1BAD

21245	15	2013	08	17	<0343>	0343	P0N		?	Unid	OTHR 12 sec every 1 Min. 7 PPS S4 -103	RF72LQ	NZART	ZL1BAD
21245.5	19	2013	08	25	<0544>	0544	P0N		?	Unid	OTHR S3 7 pps 18.5 seconds long suspect Australian HFSWR	RF73MF	NZART	ZL1GWE
21249		2013	08	25	<0600>	0600	G7DF	330	?	?	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21250.0	30	2013	8	17	0755		P0N				CONTINUOUS, VERY SLOW PULSE RATE	QG52xi	WIA	VK4TJ
21250	20	2013	08	08	<0350>	0350	P0N		?	Unid	OTHR 18 sec every 4 mins+ 7 PPS	RF72LQ	NZART	ZL1BAD
21250	90	2013	08	17	<0410>	0410	P0N		?	Unid	OTHR 90 sec burst every 1 Min. 3 PPS S6 -91dbm	RF72LQ	NZART	ZL1BAD
21255.0	5	2013	8	30	0745		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21255	15	2013	08	22	<0325>	0325	P0N		?	Unid	OTHR 8 secs at variable timing. 70 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
21260	15	2013	08	01	<0035>	0035-0310	P0N		?	Unid	OTHR 1.3 secs every 12 secs 50 PPS	RF72LQ	NZART	ZL1BAD
21263	10	2013	08	02	<0350>	0350	P0N		?	Unid	OTHR 1.8 secs every 30 secs - variable 40 PPS	RF72LQ	NZART	ZL1BAD
21263	20	2013	08	10	<0325>	0325	P0N		?	Unid	OTHR 18 sec every 4+Minutes 7PPS S4 -103dbm	RF72LQ	NZART	ZL1BAD
21263	20	2013	08	17	<0155>	0155	P0N		?	Unid	OTHR 18 sec every 6 Minutes 7 PPS S4-103dbm	RF72LQ	NZART	ZL1BAD
21263	10	2013	08	22	<0710>	0710	P0N		?	Unid	OTHR 3.7 secs @ variable timing 70PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
21265	10	2013	08	04	<0030>	0030	P0N		?	Unid	OTHR 3.7 secs every 25 secs - variable 80 PPS	RF72LQ	NZART	ZL1BAD
21265	20	2013	08	04	<0240>	0240-0515	P0N		?	Unid	OTHR 18 secs every 4 mins. 7 PPS	RF72LQ	NZART	ZL1BAD
21265	20	2013	08	03	<0440>	0440	P0N		?	Unid	OTHR 18 sec burst every 4 mins 7 PPS	RF72LQ	NZART	ZL1BAD
21265	30	20013	08	13	<0430>	0430	P0N		?	Unid	OTHR 18 secs every 4 minutes 7 PPS S4 -103dbm	RF72LQ	NZART	ZL1BAD
21265	20	2013	08	27	<0020>	0020	P0N		?	Unid	OTHR 5.7 secs @ varying timing 20 PPS S9 -73dbm	RF72LQ	NZART	ZL1BAD
21267	10	2013	08	07	<0358>	0358	P0N		?	Unid	OTHR 70 PPS	RF72LQ	NZART	ZL1BAD

21270.0	20	2013	8	4	0330	P0N				OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
21270	20	2013	08	24	<0310>	0310	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21273	10	2013	08	17	<0410>	0410	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21273		2013	08	25	<0604>	0604	G7DF	330	?	?	RF73MF	NZART	ZL1GWE
21275	9	2013	08	23	<0631>	0631- 0640	P0N		?	Unid	RF73IJ	NZART	ZL1TPH
21275	20	2013	08	04	<0035>	0035	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21275	9	2013	08	23	<0631>	0631- 0640	P0N		?	Unid	RF73IJ	NZART	ZL1TPH
21275	10	2013	08	27	<0745>	0745	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21277	20	2013	08	09	<0715>	0715- 0725	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21277	15	2013	08	21	<0530>	0530	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21280.0	20	2013	8	4	0155	VXX					QG52xi	WIA	VK4TJ
21280	10	2013	08	03	<0440>	0440	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21282	12	2013	08	09	<2350>	2350- 0008	P0N		?	Unid	RF73IJ	NZART	ZL1TPH
21283	10	2013	08	22	<0710>	0710	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21285	15	2013	08	08	<0625>	0625	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21285	15	2013	08	25	<0125>	0125	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21290	16	2013	08	12	<0540>	0540- 0640	P0N		?	Unid	RF73IJ	NZART	ZL1TPH
21290.5	11	2013	08	25	<0512>	0512- 0630	P0N		?	Unid	RF73IJ	NZART	ZL1TPH

21293	10	2013	08	17	<0001>	0001-0348	P0N	?	Unid	OTHR 1.4 long double bursts, 1 sec spacing @ variable timing 50PPS S9 - 73dbm changed to 30 pps	RF72LQ	NZART	ZL1BAD
21293	10	2013	08	20	<0040>	0040	P0N	?	Unid	OTHR 1.5 sec double pulses, 1 sec spacing, @ variable times S7 -85dbm	RF72LQ	NZART	ZL1BAD
21293	13	2013	08	27	<0455>	0455-0545	P0N	?	Unid	OTHR signature tone, 21273, double and single burst (S4)	RF73IJ	NZART	ZL1TPH
21294	12	2013	08	08	<0530>	0530-0540	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S6)	RF73IJ	NZART	ZL1TPH
21294	12	2013	08	18	<0419>	0419-0445	P0N	?	Unid	OTHR signature tone, 21274, varied S report with every burst	RF73IJ	NZART	ZL1TPH
21294	12	2012	08	18	<0519>	0519-0633	P0N	?	Unid	OTHR signature tone, 21274, double, triple, quaduple bursts	RF73IJ	NZART	ZL1TPH
21294	12	2012	08	21	<0617>	0617-0645	P0N	?	Unid	OTHR signature tone, 21274, double burst (S5)	RF73IJ	NZART	ZL1TPH
21294	12	2012	08	22	<0445>	0445-0530	P0N	?	Unid	OTHR signature tone, 21274, double burst (S5)	RF73IJ	NZART	ZL1TPH
21294	12	2013	08	26	<0512>	0512-0600	P0N	?	Unid	OTHR signature tone, 21274, double burst (S7)	RF73IJ	NZART	ZL1TPH
21294	12	2013	08	30	<0546>	0546-0547	P0N	?	Unid	OTHR signature tone, 21274	RF73IJ	NZART	ZL1TPH
21295.0	20	2013	8	18	0525		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
21295	15	2013	08	11	<0630>	0630	P0N	?	Unid	OTHR Groups of 2 & 3 burst each of 2 secs with variable timing 50 PPS S3 & S9	RF72LQ	NZART	ZL1BAD
21295	15	2013	08	18	<0600>	0600	P0N	?	Unid	OTHR Groups of 2 bursts @ 1.5 sec each 50 pps s5 - 97dbm	RF72LQ	NZART	ZL1BAD
21296	15	2013	08	13	<0445>	0445	P0N	?	Unid	OTHR 1.5 sec at variable timing 50 PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
21299	12	2013	08	09	<0516>	0516-0559	P0N	?	Unid	OTHR, bursts, start it finish (S8)	RF73IJ	NZART	ZL1TPH
21299.5	11	2013	08	30	<0508>	0508-0512	P0N	?	Unid	OTHR, bursts	RF73IJ	NZART	ZL1TPH

21300.0	20	2013	8	3	0050	P0N				OTHR, BURSTS OTHR 5.2 sec every 20 secs 50PPS S9 - 73dbm	QG52xi	WIA	VK4TJ
21300	15	2013	08	09	<0515>	0515	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21305.0	5	2013	8	3	2355	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21305	15	2013	08	17	<0350>	0350	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21307	15	2013	08	25	<0030>	0030	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21307	15	2013	08	25	<0540>	0540	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21309.5	15	2013	08	25	<0540>	0540	P0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21310.0	20	2013	8	25	0525	P0N				OTHR, BURSTS 3 SUBCARRIERS ON 600 HZ INTERVALS, PULSED	QG52xi	WIA	VK4TJ
21318.0	2	2013	8	2	0820	G7D				OTHR, BURSTS OTHR 46-48 pps varying S6 5.5 second bursts	QG52xi	WIA	VK4TJ
21320.0	20	2013	8	18	0635	P0N				HF MANPACK	QG52xi	WIA	VK4TJ
21325.5	19	2013	08	18	<0628>	0628	P0N		?	Unid	RF73MF	NZART	ZL1GWE
21330.0	5	2013	8	17	0750	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21332.9	3	2013	8	17	0750	J3E/L				ASIAN	QG52xi	WIA	VK4TJ
21350.0	5	2013	8	28	0750	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21366		2013	08	25	<0604>	0604	G7DF	330	?	Unid	RF73MF	NZART	ZL1GWE
21367		2013	08	25	<0551>	0551	G7DF	330	?	Unid	RF73MF	NZART	ZL1GWE
21375.0	5	2013	8	17	0730	G7D				8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
21380.0	5	2013	8	29	0810	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21380.0	20	2013	8	9	0755	P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21383	15	2013	08	09	<0720>	0720	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21385	15*	2013	08	31	<0715>	0715	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21387	10	2013	08	16	<0330>	0330	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21390.0	6	2013	8	26	0745	A3E				30 secs. 50 PPS S5 -97dbm ASIAN	QG52xi	WIA	VK4TJ

21397.0	20	2013	8	26	0745		G7D				100'S OF SUBCARRIERS ON VERY CLOSE SPACING - 10 HZ?	QG52xi	WIA	VK4TJ
21400.0	5	2013	8	17	2310		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21403.0	3	2013	8	3	2355		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
21410.0	5	2013	8	29	0810		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21412.0	10	2013	8	15	0620		G7D				100'S OF SUBCARRIERS ON RANDOM INTERVALS	QG52xi	WIA	VK4TJ
21417	20	2013	08	10	<2230>	2230	P0N		?	Unid	OTHR 2.5 sec every 20 secs 50 PPS S9+ -63dbm	RF72LQ	NZART	ZL1BAD
21421.0	1	2013	8	23	0820		G1D					QG52xi	WIA	VK4TJ
21438.0		2013	8	1	0805		A1A		UKR	RCV	DAILY, RIP90 DE RCV	QG52xi	WIA	VK4TJ
21439	12	2013	08	04	<0730>	0730	P0N	330	?	Unid	OTHR S5 7.5 second bursts		NZART	
21450.0	20	2013	8	10	0715		P0N				OTHR, LONG BURSTS	QG52xi	WIA	VK4TJ
24887.5	6	2013	8	17	0130		A3E				ASIAN	QG52xi	WIA	VK4TJ
24900.0	6	2013	8	3	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
24900		2013	08	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK *** Note: Whilst a finite freq. is shown for 1 PSK, 6 PSK & 8 PSK these signals	RF72LQ	NZART	ZL1BAD
24905.0	6	2013	8	2	0050		A3E				ASIAN	QG52xi	WIA	VK4TJ
24910.0	5	2013	8	4	0350		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
24915.0	6	2013	8	30	2310		A3E				ASIAN	QG52xi	WIA	VK4TJ
24925.0	8	2013	8	3	2350		F3E				ASIAN	QG52xi	WIA	VK4TJ
24935.0	6	2013	8	2	0050		A3E				ASIAN	QG52xi	WIA	VK4TJ
24950.0	6	2013	8	26	0740		A3E				ASIAN	QG52xi	WIA	VK4TJ
24957.0	6	2013	8	18	0140		A3E				ASIAN	QG52xi	WIA	VK4TJ
24975.0	6	2013	8	1	0800		A3E				ASIAN	QG52xi	WIA	VK4TJ
24985.0	6	2013	8	3	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
24990.0	100	2013	8	24	0440		VXX				CODAR-LIKE SWEEPS	QG52xi	WIA	VK4TJ
28000.0	6	2013	8	25	0700		A3E				ASIAN	QG52xi	WIA	VK4TJ
28005.0	6	2013	8	1	0745		A3E				ASIAN	QG52xi	WIA	VK4TJ
28007		2013	08	25	<0617>	0617	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28012.5	6	2013	8	2	2345		A3E				ASIAN	QG52xi	WIA	VK4TJ
28015.0	6	2013	8	2	2345		A3E				ASIAN	QG52xi	WIA	VK4TJ
28025.0	6	2013	8	1	2345		A3E				ASIAN	QG52xi	WIA	VK4TJ
28035.0	6	2013	8	1	0745		A3E				ASIAN	QG52xi	WIA	VK4TJ
28037.5	6	2013	8	4	0000		F3E				ASIAN	QG52xi	WIA	VK4TJ

28040.0	6	2013	8	3	2345		A3E				ASIAN	QG52xi	WIA	VK4TJ
											OTHR 874 pps and 306 pps hopping frequencies S1	RF73MF	NZART	ZL1GWE
28042	46	2013	08	25	<0345>	0345	P0N	330	IRN	Unid	ASIAN	QG52xi	WIA	VK4TJ
28045.0	6	2013	8	17	0740		A3E				IRANIAN OTHR	QG52xi	WIA	VK4TJ
28050.0	100	2013	8	2	0045		P0N		IRI		ASIAN	QG52xi	WIA	VK4TJ
28050.0	6	2013	8	1	2305		A3E				Non Amateurs S2 FM	RF73Mf	NZART	ZL1GWE
28050		2013	08	25	<0339>	0339	F3E	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28055.0	6	2013	8	2	2345		A3E				ASIAN	QG52xi	WIA	VK4TJ
28062.5	6	2013	8	23	0720		A3E				ASIAN	QG52xi	WIA	VK4TJ
28065.0	6	2013	8	1	0745		A3E				HF Man Pack 8-PSK S1	RF73Mf	NZART	ZL1GWE
28065		2013	08	25	<0332>	0332	G7DF	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28067.5	6	2013	8	16	2310		A3E				IRANIAN OTHR	QG52xi	WIA	VK4TJ
28070.0	100	2013	8	31	0715		P0N		IRI		ASIAN	QG52xi	WIA	VK4TJ
28075.0	6	2013	8	1	0750		A3E				IRANIAN OTHR	QG52xi	WIA	VK4TJ
28080.0	100	2013	8	31	0220		P0N		IRI		ASIAN	QG52xi	WIA	VK4TJ
28085.0	6	2013	8	1	0750		A3E				HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28085		2013	08	25	<0617>	0617	G7DF	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28087.5	6	2013	8	16	2310		A3E				ASIAN	QG52xi	WIA	VK4TJ
28091.0	6	2013	8	1	2350		A3E				HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
28099		2013	08	25	<0621>	0621	G7DF	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28100.0	6	2013	8	1	2310		A3E				IRANIAN OTHR	QG52xi	WIA	VK4TJ
28105.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28110.0	100	2013	8	10	0455		P0N		IRI		ASIAN	QG52xi	WIA	VK4TJ
28112.5	6	2013	8	2	2345		A3E				HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28115.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28124		2013	08	25	<0330>	0330	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
28125.0	6	2013	8	1	2350		F3E				ASIAN	QG52xi	WIA	VK4TJ
28128		2013	08	25	<0627>	0627	G7DF	330	?	Unid	HF man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28131		2013	08	25	<0109>	0109	G7DF	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28135.0	6	2013	8	1	2310		A3E				ASIAN	QG52xi	WIA	VK4TJ
28137.5	6	2013	8	25	0705		F3E				ASIAN	QG52xi	WIA	VK4TJ
28140.0	6	2013	8	31	0220		A3E				ASIAN	QG52xi	WIA	VK4TJ
28145.0	6	2013	8	1	0750		A3E				ASIAN	QG52xi	WIA	VK4TJ
28150.0	6	2013	8	17	2245		A3E				HF MANPACK	QG52xi	WIA	VK4TJ
28155.0	5	2013	8	1	2310		G7DF				ASIAN	QG52xi	WIA	VK4TJ
28155.0	6	2013	8	1	0750		A3E				HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28158		2013	08	04	<0714>	0714	G7DF	330	?	Unid	ASIAN	QG52xi	WIA	VK4TJ
28162.5	6	2013	8	16	2315		A3E				ASIAN	QG52xi	WIA	VK4TJ
28165.0	6	2013	8	2	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ

28172		2013	08	25	<0336>	0336	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
28175.0	6	2013	8	1	0750		F3E				ASIAN	QG52xi	WIA	VK4TJ
28175		2013	08	25	<0618>	0618	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28178		2013	08	25	<0621>	0621	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28185.0	6	2013	8	2	2350		F3E				ASIAN	QG52xi	WIA	VK4TJ
28187		2013	08	25	<0334>	0334	F3E	330	?	Unid	Non Amateurs S2	Rf73MF	NZART	ZL1GWE
28187.5	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28195.0	6	2013	8	2	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28200.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28205.0	6	2013	8	1	0750		A3E				ASIAN	QG52xi	WIA	VK4TJ
28212.5	6	2013	8	31	0220		A3E				ASIAN	QG52xi	WIA	VK4TJ
28215.0	6	2013	8	1	0750		A3E				ASIAN	QG52xi	WIA	VK4TJ
28218		2013	08	25	<0330>	0330	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	Rf73MF	NZART	ZL1GWE
28220.0	5	2013	8	16	2255		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28225.0	6	2013	8	1	2310		F3E				ASIAN	QG52xi	WIA	VK4TJ
28235.0	6	2013	8	1	0750		A3E				ASIAN	QG52xi	WIA	VK4TJ
28237.5	6	2013	8	29	0725		A3E				ASIAN	QG52xi	WIA	VK4TJ
28245.0	6	2013	8	2	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28250.0	6	2013	8	30	2305		A3E				SPANISH LANGUAGE	QG52xi	WIA	VK4TJ
28250.0	6	2013	8	1	2315		F3E				ASIAN	QG52xi	WIA	VK4TJ
28255.0	6	2013	8	1	2315		A3E				ASIAN	QG52xi	WIA	VK4TJ
28262.5	6	2013	8	21	0745		A3E				ASIAN	QG52xi	WIA	VK4TJ
28265.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28274		2013	08	25	<0104>	0104	G7DF	330	?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
28275.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28275.0	5	2013	8	1	2350		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28285.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28287.5	6	2013	8	1	2315		A3E				ASIAN	QG52xi	WIA	VK4TJ
28295.0	6	2013	8	1	2350		F3E				ASIAN	QG52xi	WIA	VK4TJ
28295.0	5	2013	8	31	0225		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28300.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28300		2013	08	25	<0335>	0335	F3E	330	?	Unid	Non Amateurs S2	RF73MF	NZART	ZL1GWE
28305.0	6	2013	8	1	0750		A3E				ASIAN	QG52xi	WIA	VK4TJ
28310.0	6	2013	8	2	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28315.0	6	2013	8	2	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28325.0	6	2013	8	1	2350		F3E				ASIAN	QG52xi	WIA	VK4TJ
28328.0	6	2013	8	1	2350		A3E				ASIAN	QG52xi	WIA	VK4TJ
28328		2013	08	25	<0116>	0116	G7DF	330	?	Unid	HF Man Pack 6-PSK S1	RF73MF	NZART	ZL1GWE
28328		2013	08	25	<0624>	0624	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	Rf73MF	NZART	ZL1GWE
28334		2013	08	25	<0337>	0337	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE

										S2				
28335.0	6	2013	8	2	2355	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28345.0	6	2013	8	23	0725	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28350.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28350.0	5	2013	8	1	2350	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
28355.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28358		2013	08	25	<0624>	0624 G7DF		330	?	Unid	S1	RF73MF	NZART	ZL1GWE
28362.5	6	2013	8	24	0430	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28365.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28375.0	6	2013	8	1	2350	F3E				ASIAN	QG52xi	WIA	VK4TJ	
28385.0	6	2013	8	1	0750	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28387.5	6	2013	8	18	0125	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28395.0	6	2013	8	18	0120	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28400.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28400.0	5	2013	8	2	0010	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
28405.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28412.5	6	2013	8	1	2355	F3E				ASIAN	QG52xi	WIA	VK4TJ	
28415.0	6	2013	8	1	2315	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28425.0	6	2013	8	1	0750	F3E				ASIAN	QG52xi	WIA	VK4TJ	
										Non Amateurs S2				
28425		2013	08	25	<0121>	0121 F3E		330	IND	Unid	Suspected Indonesian Cbers	RF73MF	NZART	ZL1GWE
28435.0	6	2013	8	1	2355	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28437.5	6	2013	8	25	0710	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28449		2013	08	25	<0624>	0624 A3E		330	?	Unid	Non Amateurs Chinese S1	RF73MF	NZART	ZL1GWE
28450.0	6	2013	8	18	0125	F3E				ASIAN	QG52xi	WIA	VK4TJ	
28455.0	6	2013	8	1	2320	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28462.5	6	2013	8	1	2320	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28465.0	6	2013	8	1	2355	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28475.0	6	2013	8	1	2320	F3E				ASIAN	QG52xi	WIA	VK4TJ	
28485.0	6	2013	8	1	2320	A3E				ASIAN	QG52xi	WIA	VK4TJ	
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28487.5	6	2013	8	31	0715	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28500.0	6	2013	8	16	2325	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28505.0	6	2013	8	1	2355	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28512.5	6	2013	8	1	0755	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28513		2013	08	25	<0115>	0115 G7DF		330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28515.0	6	2013	8	1	2320	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28525.0	6	2013	8	1	2320	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28529.0	6	2013	8	16	2325	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28535.0	6	2013	8	1	0755	A3E				ASIAN	QG52xi	WIA	VK4TJ	
28540.0	6	2013	8	21	0750	A3E				ASIAN	QG52xi	WIA	VK4TJ	

28549		2013	08	25	<0122>	0122	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
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28555.0	6	2013	8	1	2320		A3E				ASIAN	QG52xi	WIA	VK4TJ
28562.5	6	2013	8	1	2320		A3E				ASIAN	QG52xi	WIA	VK4TJ
28565.0	6	2013	8	1	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28575.0	6	2013	8	2	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28585.0	6	2013	8	1	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28595.0	6	2013	8	1	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28600.0	6	2013	8	24	0430		A3E				ASIAN	QG52xi	WIA	VK4TJ
28605.0	6	2013	8	1	2320		A3E				ASIAN	QG52xi	WIA	VK4TJ
28612.5	6	2013	8	28	0705		A3E				ASIAN	QG52xi	WIA	VK4TJ
28615.0	6	2013	8	16	2330		A3E				ASIAN	QG52xi	WIA	VK4TJ
28625.0	6	2013	8	1	2320		A3E				ASIAN	QG52xi	WIA	VK4TJ
28635.0	6	2013	8	2	0000		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28635.0	6	2013	8	1	2320		A3E				ASIAN	QG52xi	WIA	VK4TJ
28645.0	6	2013	8	2	2355		A3E				ASIAN	QG52xi	WIA	VK4TJ
28650.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28655.0	6	2013	8	1	0755		A3E				ASIAN	QG52xi	WIA	VK4TJ
28662.5	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28665.0	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28670.0	6	2013	8	18	0130		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28675.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28685.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28687.5	6	2013	8	29	0730		A3E				ASIAN	QG52xi	WIA	VK4TJ
28690.0	6	2013	8	25	0710		A3E				ASIAN	QG52xi	WIA	VK4TJ
28695.0	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28700.0	6	2013	8	3	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28705.0	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28715.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28725.0	6	2013	8	1	2325		F3E				ASIAN	QG52xi	WIA	VK4TJ
28735.0	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28737.5	6	2013	8	31	0710		A3E				ASIAN	QG52xi	WIA	VK4TJ
28745.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28750.0	6	2013	8	17	0120		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
28750.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28755.0	6	2013	8	3	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28760.0	6	2013	8	18	0130		A3E				ASIAN	QG52xi	WIA	VK4TJ
28765.0	6	2013	8	2	0000		A3E				ASIAN	QG52xi	WIA	VK4TJ
28775.0	6	2013	8	3	0000		F3E				ASIAN	QG52xi	WIA	VK4TJ
28800.0	6	2013	8	1	2325		A3E				ASIAN	QG52xi	WIA	VK4TJ
28815.0	6	2013	8	16	2330		A3E				ASIAN	QG52xi	WIA	VK4TJ
28825.0	6	2013	8	16	2335		A3E				ASIAN	QG52xi	WIA	VK4TJ
28835.0	6	2013	8	28	0705		A3E				ASIAN	QG52xi	WIA	VK4TJ
28840.0	6	2013	8	25	0710		A3E				ASIAN	QG52xi	WIA	VK4TJ

28850.0	6	2013	8	16	2335	A3E	ASIAN	QG52xi	WIA	VK4TJ
28855.0	6	2013	8	23	0730	A3E	ASIAN	QG52xi	WIA	VK4TJ
28862.5	6	2013	8	1	2325	A3E	ASIAN	QG52xi	WIA	VK4TJ
28865.0	6	2013	8	18	0130	A3E	ASIAN	QG52xi	WIA	VK4TJ
28875.0	6	2013	8	1	0755	A3E	ASIAN	QG52xi	WIA	VK4TJ
28887.5	6	2013	8	17	0040	A3E	ASIAN	QG52xi	WIA	VK4TJ
28900.0	6	2013	8	1	2325	A3E	ASIAN	QG52xi	WIA	VK4TJ
28912.5	6	2013	8	1	2325	A3E	ASIAN	QG52xi	WIA	VK4TJ
28915.0	6	2013	8	2	0000	A3E	ASIAN	QG52xi	WIA	VK4TJ
28925.0	6	2013	8	1	2325	A3E	ASIAN	QG52xi	WIA	VK4TJ
28935.0	6	2013	8	1	2325	A3E	ASIAN	QG52xi	WIA	VK4TJ
28937.5	6	2013	8	16	2335	A3E	ASIAN	QG52xi	WIA	VK4TJ
28945.0	5	2013	8	1	2330	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28950.0	6	2013	8	2	0000	A3E	ASIAN	QG52xi	WIA	VK4TJ
28962.5	6	2013	8	2	0005	A3E	ASIAN	QG52xi	WIA	VK4TJ
28975.0	6	2013	8	2	0005	A3E	ASIAN	QG52xi	WIA	VK4TJ
28985.0	5	2013	8	1	2330	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28987.5	6	2013	8	23	0735	A3E	ASIAN	QG52xi	WIA	VK4TJ
29000.0	6	2013	8	10	0200	A3E	ASIAN	QG52xi	WIA	VK4TJ
29005.0	6	2013	8	21	0800	A3E	ASIAN	QG52xi	WIA	VK4TJ
29012.5	6	2013	8	17	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
29015.0	6	2013	8	16	2335	A3E	ASIAN	QG52xi	WIA	VK4TJ
29025.0	6	2013	8	18	0135	A3E	ASIAN	QG52xi	WIA	VK4TJ
29035.0	6	2013	8	16	2335	A3E	ASIAN	QG52xi	WIA	VK4TJ
29037.5	6	2013	8	17	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
29045.0	6	2013	8	16	2335	A3E	ASIAN	QG52xi	WIA	VK4TJ
29050.0	6	2013	8	1	2330	F3E	ASIAN	QG52xi	WIA	VK4TJ
29062.5	6	2013	8	2	0005	A3E	ASIAN	QG52xi	WIA	VK4TJ
29075.0	6	2013	8	1	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29085.0	5	2013	8	1	2330	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
29087.5	6	2013	8	1	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29100.0	6	2013	8	16	2340	A3E	ASIAN	QG52xi	WIA	VK4TJ
29112.5	6	2013	8	10	0200	A3E	ASIAN	QG52xi	WIA	VK4TJ
29125.0	6	2013	8	2	0005	A3E	ASIAN	QG52xi	WIA	VK4TJ
29135.0	6	2013	8	25	0715	A3E	ASIAN	QG52xi	WIA	VK4TJ
29150.0	6	2013	8	1	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29162.5	6	2013	8	17	0015	A3E	ASIAN	QG52xi	WIA	VK4TJ
29175.0	6	2013	8	1	2330	F3E	ASIAN	QG52xi	WIA	VK4TJ
29187.5	6	2013	8	16	2340	A3E	ASIAN	QG52xi	WIA	VK4TJ
29200.0	6	2013	8	17	0010	A3E	ASIAN	QG52xi	WIA	VK4TJ
29212.5	6	2013	8	1	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29215.0	6	2013	8	17	0010	A3E	ASIAN	QG52xi	WIA	VK4TJ
29225.0	6	2013	8	2	0005	A3E	ASIAN	QG52xi	WIA	VK4TJ
29237.5	6	2013	8	17	0010	A3E	ASIAN	QG52xi	WIA	VK4TJ

29250.0	6	2013	8	1	2335	A3E				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ	
29255.0	6	2013	8	1	2335	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29262.5	6	2013	8	29	0735	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29275.0	6	2013	8	29	0745	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29287.5	6	2013	8	16	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29300.0	6	2013	8	1	2335	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29312.5	6	2013	8	16	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29325.0	6	2013	8	1	2335	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29337.5	6	2013	8	16	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29350.0	6	2013	8	2	0010	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29362.5	6	2013	8	1	2335	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29375.0	6	2013	8	16	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29387.5	6	2013	8	1	2335	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29390.0	100	2013	8	29	0750	P0N		IRI		IRANIAN OTHR	QG52xi	WIA	VK4TJ	
29400.0	6	2013	8	2	0010	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29412.5	6	2013	8	1	2335	F3E				ASIAN	QG52xi	WIA	VK4TJ	
29425.0	5	2013	8	16	2345	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
29425.0	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29435.0	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29437.5	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29450.0	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29455.0	6	2013	8	1	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29462.5	6	2013	8	17	0005	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29475.0	6	2013	8	2	0010	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29487		2013	08	25	<0536>	0536	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
29487.5	6	2013	8	10	0205	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29500.0	6	2013	8	1	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29500.0	5	2013	8	1	2340	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
29512.5	6	2013	8	29	0740	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29515.0	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29525.0	6	2013	8	1	2340	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29537.5	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29550.0	6	2013	8	16	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29565.0	5	2013	8	16	2355	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
29575.0	6	2013	8	16	2350	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29587.5	6	2013	8	16	2355	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29612.5	6	2013	8	10	0440	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29615.0	6	2013	8	3	0005	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29625.0	6	2013	8	10	0410	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29637.5	6	2013	8	1	2345	F3E				ASIAN	QG52xi	WIA	VK4TJ	
29650.0	6	2013	8	1	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29662.5	6	2013	8	1	2345	A3E				ASIAN	QG52xi	WIA	VK4TJ	
29675.0	6	2013	8	1	2345	F3E				ASIAN	QG52xi	WIA	VK4TJ	

29687.5	6	2013	8	10	0220	F3E				ASIAN	QG52xi	WIA	VK4TJ
29700.0	6	2013	8	10	0205	F3E				ASIAN	QG52xi	WIA	VK4TJ
										OTHR " " "			
						0001-0015	P0N	?	Unid	" " "	RF72LQ	NZART	ZL1BAD
14237**	10	2013	08	31	<0001>	0015	P0N	?	Unid	OTHR 70 PPS	RF72LQ	NZART	ZL1BAD
14260**	10	2013	08	07	<0615>	0615	P0N	?	Unid	OTHR 5 secs every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
						0345-0515	P0N	?	Unid	OTHR 3.7 every 35 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14263**	10	2013	08	07	<0345>	0515	P0N	?	Unid	OTHR 3.7 sec every 20 secs	RF72LQ	NZART	ZL1BAD
14263**	10	2013	08	19	<0235>	0235-0350	P0N	?	Unid	OTHR 3.7 every 30 secs 70PPS S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14263**	10	2013	08	05	<0500>	0500	P0N	?	Unid	OTHR 3.7 every 35 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14265**	15	2013	08	13	<0735>	0735	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14265**	10	2013	08	15	<0320>	0320 - 0345	P0N	?	Unid	OTHR 3.8 every 2 secs with 30 sec gap between pairs	RF72LQ	NZART	ZL1BAD
14267**	10	2013	08	01	<0250>	0250	P0N	?	Unid	70PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
14273**	10	2013	08	30	<2325>	2325-2359	P0N	?	Unid	OTHR 3.8 secs every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14280**	10	2013	08	05	<0500>	0500	P0N	?	Unid	OTHR 3.7 every 30 secs 70 PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14280**	15	2013	08	17	<2250>	2250-2330	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14283**	10	2013	08	03	<0430>	0430	P0N	?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14285**	10	2013	08	23	<0300>	0300	P0N	?	Unid	OTHR 3.8 every 32 secs 70 PPS S1 - 121dbm	RF72LQ	NZART	ZL1BAD
14290**	10	2013	08	18	<0555>	0555	P0N	?	Unid	OTHR 3.7 sec every 20 secs 70PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
14293**	10	2013	08	08	<2316>	2316	P0N	?	Unid	OTHR 3.7 secs every 20 secs 70 PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
14293**	10	2013	08	14	<0445>	0445	P0N	?	Unid	OTHR 3.6 every 35 secs 70 PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14295**	10	2013	08	26	<2225>	2225-2325	P0N	?	Unid	OTHR 3.6 secv every 15 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14297**	10	2013	08	06	<0225>	0225	P0N	?	Unid		RF72LQ	NZART	ZL1BAD

14300**	10	2013	08	10	<0330>	0330	P0N	?	Unid	OTHR 4 sec every 20 secs 70 PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14300**	10	2013	08	22	<2320>	2320	P0N	?	Unid	OTHR 3.7 every 40 secs 70 PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14303**	10	2013	08	10	<2340>	2340	P0N	?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S3 -107dbm	RF72LQ	NZART	ZL1BAD
14305**	10	2013	08	13	<0015>	0015	P0N	?	Unid	OTHR 3.7 every 30 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14307**	10	2013	08	05	<2255>	2255	P0N	?	Unid	OTHR 4 sec burst every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14313**	10	2013	08	01	<0710>	0710	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14315**	10	2013	08	26	<0240>	0240	P0N	?	Unid	OTHR 3.7 every 20 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14317**	10	2013	08	01	<0245>	0245	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14320**	10	2013	08	02	<0130>	0130	P0N	?	Unid	OTHR 3.7 secs every 15 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14320**	10	2013	08	04	<0032>	0032	P0N	?	Unid	OTHR 3.7 sec every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14320**	10	2013	08	08	<0205>	0205- 0400	P0N	?	Unid	OTHR 3 sec every 30 secs	RF72LQ	NZART	ZL1BAD
14320**	10	2013	08	31	<0145>	0145- 0200	P0N	?	Unid	OTHR 5 every 30 secs 50PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14323**	10	2013	08	02	<2310>	2310	P0N	?	Unid	OTHR 3.7 secs every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14323**	10	2013	08	19	<0410>	0410	P0N	?	Unid	OTHR 3.7 every 35 secs 70PPS S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14327**	10	2013	08	11	<0030>	0030	P0N	?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14330**	10	2013	08	20	<0115>	0115	P0N	?	Unid	OTHR 4 secs every 30 secs 70 PPS S2 -115dbm	RF72LQ	NZART	ZL1BAD
14333**	10	2013	08	07	<0615>	0615	P0N	?	Unid	OTHR 3.7 sec burst every 20 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14333**	10	2013	08	02	<2310>	2310- 2330	P0N	?	Unid	OTHR 3.7 sec every 30 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14335**	10	2013	08	12	<0030>	0030- 0125	P0N	?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S3 -107dbm	RF72LQ	NZART	ZL1BAD

14335**	10	2013	08	11	<2345>	2345	P0N		?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S1 -121dbm	RF72LQ	NZART	ZL1BAD
14335**	10	2013	08	13	<0001>	0001	P0N		?	Unid	OTHR 3.7 every 30 secs. Double Tx 3.7 each. 70PPS each S5 -97dbm	RF72LQ	NZART	ZL1BAD
14337**	10	2013	08	11	<0030>	0030-0120	P0N		?	Unid	OTHR 3.7 sec every 30 secs 70 PPS S3 -107dbm	RF72LQ	NZART	ZL1BAD
14340**	10	2013	08	02	<0130>	0130	P0N		?	Unid	OTHR 3.7 secs every 15 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14340**	15	2013	08	08	<2240>	2240	P0N		?	Unid	OTHR 5.2 sec every 30 secs 50PPS S7 -85dbm	RF72LQ	NZART	ZL1BAD
14345**	10	2013	08	23	<0315>	0315	P0N		?	Unid	OTHR 3.7 every 20 secs 50 PPS S5 -97dbm	RF72LQ	NZART	ZL1BAD
14347**	10	2013	08	06	<0652>	0652-0654	P0N		?	Unid	OTHR Closed at 0654	RF72LQ	NZART	ZL1BAD
14350**	15	2013	08	11	<0620>	0620	P0N		?	Unid	OTHR 3.7 sec every 20 secs 70PPS S6 -91dbm (Stradling band edge)	RF72LQ	NZART	ZL1BAD
14350**	10	2013	08	17	<0015>	0015-0100	P0N		?	Unid	OTHR 3.7 every 35 secs 70 PPS S5 -97dbm Stradling band edge	RF72LQ	NZART	ZL1BAD
21165,5	11	2013	08	25	<0657>	0657	P0N		?	Unid	OTHR 45-49 pps varying S5	RF73MF	NZART	ZL1GWE
21294,5	9	2013	08	18	<0634>	0634	P0N		?	Unid	OTHR S3 46-50 pps double bursts with centre blip Raytheon	RF73MF	NZART	ZL1GWE
28000*		2013	08	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK ***	RF72LQ	NZART	ZL1BAD
28000*		2013	08	DY	HX	HX	G7DE		?	Unid	HF Man Pack 6 PSK ***	RF72LQ	NZART	ZL1BAD
28191`		2013	08	25	<0340>	0340	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	Rf73MF	NZART	ZL1GWE
7000*		2013	08	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK ***	RF72LQ	NZART	ZL1BAD
7010*	110	2013	08	DY	<1245>	1245	P0N		?	Unid	OTHR Out of band Spread to 7010 continuos 50 PPS S9 -73dbm	RF72LQ	NZART	ZL1BAD