



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



September 2013

Peter Young VK3MV

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

This month there were 1321 observations of intruders made across the Region as compared to last month number of 1045.

NZART reports the arrival on 13996 kHz, of a OFDM -12 tone Military data system - spreading into lower 20 metre Spectrum. Further reports needed. Also reported is the use of "man Pack" digital system on 7000 kHz spreading into 40 meters.

There is increasing signs of OHR back in operation in the lower portion of 40 meters at night time.

OHR systems logged on 15 and 20 meters continuing again this month operating in the higher portion of the bands. There were a number of OHR systems operating on 10 meters. More details in the attached data report.

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: vk3mv@wia.org.au

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3548.0	1	2013	9	1	1935		F1B		200				DAILY, CONTINUOUS	QG52xi	WIA	VK4TJ
3552.3		2013	9	7	1915		A1A					XG3	V V V	QG52xi	WIA	VK4TJ
3553	3	2013	9	15		21:50	J3E						Japanese song with no call sign		JARL	
3553	3	2013	9	20		20:17	J3E						Japanese song with no call sign		JARL	
3553	3	2013	9	28		20:37	J3E						Japanese song with no call sign		JARL	
3560.0	3	2013	9	26	1855		J3E/U						ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3560.0	8	2013	9	10	1945		A3E				KRE		VOICE OF KOREA BACK AGAIN	QG52xi	WIA	VK4TJ
3580.0	50	2013	9	7	1915		P0N						OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
3583		2013	9	06	<0732>	0732	G7DF				?	Unid	HF Man Pack 8- PSK S4	RF73MF	NZART	ZL1GWE
3584.0	3	2013	9	9	1935		J1C						DAILY	QG52xi	WIA	VK4TJ
3586.0	1	2013	9	1	1930		F1B		250				CONTINUOUS	QG52xi	WIA	VK4TJ
3586		2013	9	06	<0717>	0717	G7DF				?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3587.6	3	2013	9	7	1910		J3E/U						ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3603		2013	9	08	<0740>	0740	G7DF				?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3623.0	3	2013	9	1	1930		J1C						DAILY	QG52xi	WIA	VK4TJ
3634.5	3	2013	9	9	1940		J3E/U						ASIAN	QG52xi	WIA	VK4TJ
3651		2013	9	08	<0754>	0754	G7DF				?	Unid	HF Man Pack 8- PSK S3	Rf73MF	NZART	ZL1GWE
3654.0		2013	9	5	1930		A1A						LETTER CIPHER	QG52xi	WIA	VK4TJ
3660.0	5	2013	9	18	1930		G7D						DOZENS OF SUBCARRIERS ON APPROX 50 HZ INTERVALS	QG52xi	WIA	VK4TJ
3665		2013	9	22	<0552>	0552	J3E/U				IND	Unid	Non amateurs S3 YB Village radio - fishing boats?	RF73MF	NZART	ZL1GWE
3668.0	5	2013	9	18	1930		VXX						SLOW SWEEPER, NOT CODAR	QG52xi	WIA	VK4TJ
3671		2013	9	08	<0755>	0755	G7DF				?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3675.0	5	2013	9	10	1940		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
3677.0	3	2013	9	8	1930		J3E/U						FRENCH LANGUAGE	QG52xi	WIA	VK4TJ
3679		2013	9	06	<0728>	0728	G7DF				?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
3680.0	300	2013	9	21	1920		P0N						OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
3696		2013	9	06	<0731.	0731	G7DF				?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3700.0	50	2013	9	7	1920		P0N						OTHR,	QG52xi	WIA	VK4TJ

3779		2013	9	06	<0731>	0731	G7DF		?	Unid	CONTINUOUS HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3780.0	50	2013	9	6	1950		P0N				OTHR,	QG52xi	WIA	VK4TJ
3789.1	3	2013	9	8	1930		J3E/U				CONTINUOUS ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
3790.6		2013	9	5	1925		A1A				LETTER CIPHER	QG52xi	WIA	VK4TJ
3791.7		2013	9	7	1905		A1A				MIXED NUMBER/LETTER CIPHER. MANY NON-ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
3792.0	1	2013	9	11	1935		F1B	500			CONTINUOUS	QG52xi	WIA	VK4TJ
3792		2013	9	06	<0729>	0729	G7DF		?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
3797.0		2013	9	9	1935		A1A			DRV8	LETTER CIPHER	QG52xi	WIA	VK4TJ
3798	0.5	2013	9	3		20:39	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	6		20:51	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	9		21:24	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	11		23:26	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	12		21:44	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	13		19:54	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	14		19:56	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	15		21:52	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	19		21:47	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	20		20:23	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	24		00:38	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	25		00:44	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	26		00:03	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	9	29		22:33	A1A				h2fl h2fl h2fl de drvz drvz v		JARL	
3798.3		2013	9	5	1925		A1A				NUMBER CIPHER, CHIRPY	QG52xi	WIA	VK4TJ
3800.0	100	2013	9	12	1950		P0N				OTHR,	QG52xi	WIA	VK4TJ
3826		2013	9	06	<0716>	0716	G7DF		?	Unid	CONTINUOUS HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
6970.0	100	2013	9	3	1030		P0N				DAILY, OTHR,	QG52xi	WIA	VK4TJ
7000.0	3	2013	9	1	0920		J3E/U		INS		CONTINUOUS DAILY, VILLAGE	QG52xi	WIA	VK4TJ

7000		2013	9	14	<0825>	0825	J3E/U	IND	Unid	RADIO Non amateurs S1	RF73MC	NZART	ZL1TTG
7000		2013	9	21	<0816>	0816	J3E/U	IND	Unid	Village radio Indonesian non amateurs S3-S4	RF73MF	NZART	ZL1GWE
7000		2013	9	22	<0746>	0746	J3E/U	IND	Unid	Male and female voices Indonesian non amateurs S1	RF73MC	NZART	ZL1TTG
7000		2013	9	24	<2004>	2004	J3E/U	IND	Unid	Non amateurs Indonesian village	RF73MC	NZART	ZL1TTG
7000		2013	9	23	<0938>	0938	J3E/U	IND	Unid	Non amateurs YB village	RF73MC	NZART	ZL1TTG
7000		2013	9	25	<0728>	0728	J3E/U	IND	Unid	Non amateurs YB village radio S1	RF73MC	NZART	ZL1TTG
7000		2013	9	26	<0736>	0736	J3E/U	IND	Unid	Non amateurs YB village radio S1	RF73MC	NZART	ZL1TTG
7000		2013	9	DY	HX	HX	J3E/L	?	Unid	Non-Hams, mainly Spanish & Indonesian Languages - when OTHR is not on.	RF72LQ	NZART	ZL1BAD
7000		2013	9	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
7000.8	10	2013	9	5	1930		A2A			C/W CHIRPS, WARBLE, SWEEP	QG52xi	WIA	VK4TJ
7005.0	3	2013	9	1	0920		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7005.0	5	2013	9	18	1940		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
7005.0	3	2013	9	1	0920		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7005		2013	9	21	<0813>	0813	J3E/U	IND	Unid	Indonesian non- amateurs S1	RF73MC	NZART	ZL1TTG
7005		2013	9	25	<1845>	1845	J3E/L	IND	Unid	Non amateurs Indonesian S7	RF73MF	NZART	ZL1GWE
7007.0	3	2013	9	26	1925		J3E/U			Local YB village ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
7010.0	3	2013	9	1	0920		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010.0	3	2013	9	5	1025		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7010	500	2013	9	DY	<1820>	1820	P0N	?	Unid	Out of band, 500k spread to 7010. (6760 to 7010) S7 -85dbm	RF72LQ	NZART	ZL1BAD
7010	120	2013	9	28	<1815>	1815	P0N	?	Unid	Out of band, 500k spread to 7010. (6760 to 7010) S7 -85dbm	RF72LQ	NZART	ZL1BAD
7015.0	3	2013	9	1	1025		J3E/L	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7015.0	3	2013	9	3	1145		J3E/U	INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ

7016.0	1	2013	9	5	1935	F1B	250				CONTINUOUS	QG52xi	WIA	VK4TJ
7016.7	3	2013	9	20	0650	J3E/U					CHINESE	QG52xi	WIA	VK4TJ
7020.0	5	2013	9	1	1940	G7D					DOZENS OF SUBCARRIERS ON 120 HZ INTERVALS	QG52xi	WIA	VK4TJ
7020.0	3	2013	9	1	0910	J3E/L			INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7020.0	3	2013	9	5	1025	J3E/U			INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7020.0	3	2013	9	20	2030	J3E/U					SPANISH LANGUAGE	QG52xi	WIA	VK4TJ
7022.0	1	2013	9	3	1950	F1B					SELCALL TONES	QG52xi	WIA	VK4TJ
7025.0	5	2013	9	9	2025	G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7025.0	3	2013	9	1	0920	J3E/L			INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7025.0	3	2013	9	1	1025	J3E/U			INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7030.0	5	2013	9	11	0940	G7D					OTHR? 100'S OF SUBCARRIERS ON APPROX 38 HZ INTERVALS	QG52xi	WIA	VK4TJ
7030.0	5	2013	9	5	1030	G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7030.0	3	2013	9	5	0945	J3E/L			INS		DAILY, VILLAGE RADIO	QG52xi	WIA	VK4TJ
7030.0	5	2013		5	1020	G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7030	3	2013	9	11	1842	H24 JM		non	non	non	white noise	PM97	JARL	non
7030	3	2013	9	12	1836	H24 JM		non	non	non	white noise	PM97	JARL	non
7032.6	3	2013	9	11	1940	J3E/U					ASIAN, NOT CHINESE. FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
7035.0	5	2013	9	11	1940	G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7036	3	2013	9	14	1828	H24 F1B		non	non	non	now on air	PM97	JARL	non
7038.7		2013	9	1	1935	A1A			RUS	D	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7038.8		2013	9	3	1945	A1A			RUS	P	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039		2013	9	9	<2200- 2210>	A1A			RUS	"P"	SINGLE LETTER BEACON "P"	MK82	ARSI	
7039		2013	9	12	<2300- 2315>	A1A			RUS	"D"	SINGLE LETTER BEACON "D"	MK82	ARSI	
7039		2013	9	11	<0826>	0826 A1A			RUS	M	Beacon M S3	RF73MF	NZART	ZL1GWE
7039		2013	9	21	<0736>	0736 A1A			RUS	M	Beacon M S3	RF73MF	NZART	ZL1GWE
7039		2013	9	21	<0736>	0736 A1A			RUS	K	Beacon K S3	RF73MF	NZART	ZL1GWE
7039		2013	9	DY	<1700>	1700- 2035 A1A			RUS	M	Magadan - Beacon M RTS	RF72LQ	NZART	ZL1BAD
7039		2013	9	DY	<1700>	1700- 2035 A1A			RUS	F	Vladivostok - Beacon F RJS	RF72LQ	NZART	ZL1BAD
7039		2013	9	DY	<1700>	1700- 2035 A1A			RUS	P	Kaliningrad - Beacon P RMP	RF72LQ	NZART	ZL1BAD
7039		2013	9	DY	<1700>	1700- A1A			RUS	M	Magadan - Beacon	RF72LQ	NZART	ZL1BAD

7039		2013	9	DY	<1700>	2035 1700- 2035	A1A		RUS	K	M RTS Petropavlovsk - Beacon K RCC	RF72LQ	NZART	ZL1BAD
7039	0.5	2013	9	1	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	2	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	2	1620	H24	A3E	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	2	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	2	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	2	1910	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	3	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	3	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	3	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	3	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	4	1030	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	4	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	4	1610	H24	A1A	37	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	4	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	4	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	5	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	0930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	6	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	7	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	7	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	7	1716	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	7	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	7	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	8	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	8	1612	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	8	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	8	1724	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	9	8	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	8	1834	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	9	8	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	9	1206	H24	A1A	15	non	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	9	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	9	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	9	2216	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	10	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	10	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	10	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	10	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	9	10	2306	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	11	2302	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	12	2302	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	2208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	13	2304	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	14	2306	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	15	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	15	1708	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	15	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	16	2304	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	17	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	17	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	17	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	17	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	18	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	18	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	18	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	18	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	18	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	19	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	19	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	9	19	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	19	1740	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	19	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	19	2304	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	20	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	20	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	20	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	20	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	1020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	21	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	22	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	22	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	22	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	22	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	23	1230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	23	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	23	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	23	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	24	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	24	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	24	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	24	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	24	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	25	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	25	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	25	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	25	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	25	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	26	1008	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	26	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	26	1640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	26	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	26	1830	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	9	26	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	27	1210	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	9	27	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	27	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	27	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	27	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	27	1844	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsky
7039	0.5	2013	9	27	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	9	28	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	28	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	28	1708	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	28	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	28	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	29	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	29	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	29	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	30	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	30	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	30	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	30	1640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	9	30	2212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039.2		2013	9	1	0930		A1A		RUS	K	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039.3		2013	9	1	0930		A1A		RUS	M	DAILY, HARBOUR BEACON	QG52xi	WIA	VK4TJ
7039.3		2013	9	DY	<1700>	1700-2035	A1A		RUS	S	Severomorsk - Beacon S RIT	RF72LQ	NZART	ZL1BAD
7039.4		2013	9	DY	<1700>	1700-2035	A1A		RUS	C	Moscow - Beacon C RIW	RF72LQ	NZART	ZL1BAD
7039.9		2013	9	DY	<1700>	1700-2035	A1A		RUS	A	Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7040	0.5	2013	9	2		19:01	A1A				train of " M " , " K "		JARL	
7040	0.5	2013	9	3		20:42	A1A				train of " M "		JARL	
7040	0.5	2013	9	4		20:01	A1A				train of " M " , " K "		JARL	
7040	3	2013	9	5	1730	H24	F1B	non	non	non	now on air	PM97	JARL	non
7040	3	2013	9	5	1810	H24	F1B	non	non	non	now on air	PM97	JARL	non
7040	0.5	2013	9	6		20:53	A1A				train of " M "		JARL	
7040	0.5	2013	9	9		21:27	A1A				train of " M "		JARL	
7040	0.5	2013	9	11		23:30	A1A				train of " M "		JARL	
7040	0.5	2013	9	12		21:45	A1A				train of " M "		JARL	
7040	0.5	2013	9	13		19:56	A1A				train of " M "		JARL	
7040	0.5	2013	9	14		19:59	A1A				train of " M "		JARL	
7040	0.5	2013	9	15		21:54	A1A				train of " M "		JARL	
7040	0.5	2013	9	19		21:52	A1A				train of " M "		JARL	
7040	0.5	2013	9	20		20:27	A1A				train of " M " , " K "		JARL	
7040	0.5	2013	9	24		00:40	A1A				train of " M "		JARL	
7040	0.5	2013	9	25		00:46	A1A				train of " M " , " K "		JARL	
7040	0.5	2013	9	26		00:05	A1A				train of " M " , " K "		JARL	
7040	0.5	2013	9	28		20:45	A1A				train of " M " , " K "		JARL	
7040	0.5	2013	9	29		22:37	A1A				train of " M " , " K "		JARL	
7045.0	5	2013	9	2	2010		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7045		2013	9	02	<1230>	1230	F7D		?	Unid	8 Channels	RF72LQ	NZART	ZL1BAD

7045	3.3	2013	9	09	<1830>	1830	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7046.0	5	2013	9	9	1950		G7D					100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
7048.0	5	2013	9	21	1935		G7D					100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
7048.0	1	2013	9	12	1950		F1B					SELCALL TONES	QG52xi	WIA	VK4TJ
7052		2013	9	08	<1810>	1810	F1B	200	RUS	REA4	Russian Air Force.. Cuts carrier between transmissions	RF72LQ	NZART		ZL1BAD
7052		2013	9	26	<1810>	1810	F1B	200	RUS	REA4	Cuts carrier between Tx's S7 - 85dbm	RF72LQ	NZART		ZL1BAD
7070.0	5	2013	9	1	1935		G7D					100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
7078.0	5	2013	9	21	1930		G7D					100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
7078.9		2013	9	1	1940		N0N						QG52xi	WIA	VK4TJ
7079.0	5	2013	9	18	1940		G7D					8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7080.0	5	2013	9	21	1930		G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7080	40	2013	9	26	<1815>	1815	P0N			?	Unid	OTHR Continuous. 2 pps S5 -97dbm	RF72LQ	NZART	ZL1BAD
7084	36	2013	9	24	1840	H24	P0N	non	non		non	OTHR? 7066KHz~7102KHz	PM97	JARL	non
7084	36	2013	9	26	1840	H24	P0N	non	non		non	OTHR? 7066KHz~7102KHz	PM97	JARL	non
7085	40	2013	9	27	<1915>	1915	P0N			?	Unid	OTHR Continuous. 2 pps S5 -97dbm	RF72LQ	NZART	ZL1BAD
7086.1	3	2013	9	1	1945		J3E/U					ASIAN, SOUND	QG52xi	WIA	VK4TJ
7088.0		2013	9	20	2025		A1A					CHINESE LETTER CIPHER, MANY NON- ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
7090.0	20	2013	9	26	1900		VXX					DAILY, CODAR SWEEPS	QG52xi	WIA	VK4TJ
7090.0	5	2013	9	2	2015		G7D					100'S OF SUBCARRIERS ON APPROX 36 HZ INTERVALS	QG52xi	WIA	VK4TJ
7095	45	2013	9	08	<0615>	0615	P0N			?	Unid	OTHR Continuous 50pps 20k spacing between	RF72LQ	NZART	ZL1BAD

										transmissions (other on 7160)				
7098.5	27	2013	9	08	<0759>	0759	P0N		CYP	Unid	OTHR S7 Continuous suspected Cyprus LETTER CIPHER	RF73MF	NZART	ZL1GWE
7099.9		2013	9	29	0955		A1A					QG52xi	WIA	VK4TJ
7100.0	3	2013	9	15	1000		J3E/L		INS		MOSLEMS AT PRAYER	QG52xi	WIA	VK4TJ
7100.0	100	2013	9	9	0930		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
7100	45	2013	9	07	<1000>	1000	P0N		?	Unid	OTHR Continuous 50pps S9+ - 63dbm Both	RF72LQ	NZART	ZL1BAD
7100		2013	9	23	<2006>	2006	G7D		RUS	Unid	Multitone S1 ODFM -12 tone Military signal	RF73MC	NZART	ZL1TTG
7108.0	5	2013	9	21	1930		G7D				100'S OF SUBCARRIERS ON VERY SMALL INTERVALS	QG52xi	WIA	VK4TJ
7110.0	5	2013	9	30	1200		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
7110.0	100	2013	9	7	0905		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
7110	45	2013	9	09	<1820>	1820	P0N		?	Unid	OTHR Continuous 50pps (One only) S6 -91dbm	RF72LQ	NZART	ZL1BAD
7117		2013	9	13	<1945>	1945	M7B		?	Unid	Multi chnl - idling. S8 -79dbm	RF72LQ	NZART	ZL1BAD
7118.0	5	2013	9	2	2020		G7D				DAILY. 100'S OF SUBCARRIERS ON 50 HZ INTERVALS, DRIFTY	QG52xi	WIA	VK4TJ
7120.0	3	2013	9	30	0930		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7120.0	8	2013	9	26	1855		A3E		SOM		RADIO HARGEISA	QG52xi	WIA	VK4TJ
7120		2013	9	26	<1815>	1815	A3E		?	Unid	B- C stn. S9 - 73dbm	RF72LQ	NZART	ZL1BAD
7120		2013	9	28	<1820>	1820	A3E		?	Unid	B- C stn. S9 - 73dbm	RF72LQ	NZART	ZL1BAD
7120		2013	9	28	<1820>	1820	A3E		?	Unid	B- C stn. S9 - 73dbm	RF72LQ	NZART	ZL1BAD
7120	3	2013	9	2	1716	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	9	2	1836	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	9	3	1840	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	Magadan
7123.1	3	2013	9	1	1020		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7125	3	2013	9	24	1736	H24	JM	non	non	non	white noise	PM97	JARL	non
7125	3	2013	9	24	1834	H24	JM	non	non	non	white noise	PM97	JARL	non

7132.0	5	2013	9	3	1940		G7D				10 PAIRS OF SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7132.0	5	2013	9	1	1945		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7137.2	3	2013	9	9	0930		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7157.7	3	2013	9	1	1020		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7159.9	3	2013	9	9	0950		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
7160	45	2013	9	08	<0615>	0615	P0N		?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART	ZL1BAD
7160	45	2013	9	08	<0615>	0615	P0N		?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART	ZL1BAD
7160	3	2013	9	21	1826	H24	JM	non	non	non	white noise	PM97	JARL	non
7161	24	2013	9	08	<0759>	0759	P0N		?	Unid	OTHR S7 Continuous suspected Cyprus	RF73MF	NZART	ZL1GWE
7165.0	5	2013	9	21	1925		G7D				10 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7166.5	3	2013	9	30	1200		J3E/U				ASIAN, BAHASA OR TAGALOG	QG52xi	WIA	VK4TJ
7170.0	50	2013	9	6	0945		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
7170	45	2013	9	07	<1000>	1000	P0N		?	Unid	OTHR Continuous 50pps 20k between lower edge & upper edge of TX on 7100	RF72LQ	NZART	ZL1BAD
7171.0	5	2013	9	1	1945		G7D				DOZENS OF SUBCARRIERS ON 50 HZ INTERVALS	QG52xi	WIA	VK4TJ
7171.0	3	2013	9	1	1015		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7171.0	3	2013	9	1	0920		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7173.0	5	2013	9	9	1945		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7175	3.3	2013	9	22	<1050>	1050	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7175		2013	9	23	<0815>	0815	G7D		RUS	RUS	Military ODFM 12 tone S1	RF73MC	NZART	ZL1TTG
7177		2013	9	22	<0932>	0932	G7D		RUS	RUS	Military AT3004D ODFM 12 tone PSK S3	RF73MC	NZART	ZL1TTG
7177	3	2013	9	22	1840	H24	JM	non	non	non	white noise	PM97	JARL	non
7177.5	3	2013	9	1	1015		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
7180		2013	9	24	<2017>	2017	G7D		RUS	RUS	Military ODFM AT3004D type S1	RF73MC	NZART	ZL1TTG
7180		2013	9	25	<0924>	0924	J7D		RUS	RUS	Military ODFM At3004D type S2	RF73MC	NZART	ZL1TTG
7183.0	3	2013	9	20	2020		J3E/U				ASIAN	QG52xi	WIA	VK4TJ

7185.0	5	2013	9	20	2020		G7D					10 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
7185.0	5	2013	9	9	1945		G7DF					HF MANPACK	QG52xi	WIA	VK4TJ
7185		2013	9	08	<1315>	1315	A3E		?	Unid	B-C Stn	RF72LQ	NZART		ZL1BAD
7185.8	8	2013	9	30	1155		A3E				SW BROADCAST	QG52xi	WIA		VK4TJ
7186.0	5	2013	9	21	1925		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA		VK4TJ
7190.0	20	2013	9	28	2125		P0N				OTHR, BURSTS	QG52xi	WIA		VK4TJ
7190.0	3	2013	9	15	1010		J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA		VK4TJ
7195.0	5	2013	9	30	1015		G7DF				HF MANPACK	QG52xi	WIA		VK4TJ
7195	3.3	2013	9	19	<1840>	1840	M7B		?	Unid	Multi-chnl S8 - 79dbm	RF72LQ	NZART		ZL1BAD
7195		2013	9	22	<1050>	1050	XXX		?	Unid	Unknown type system	RF72LQ	NZART		ZL1BAD
7197.0	5	2013	9	1	1020		G1D				BROAD PSK, SWEEPING SUBCARRIERS	QG52xi	WIA		VK4TJ
7198.0	5	2013	9	21	1925		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA		VK4TJ
7200.0	5	2013	9	30	1000		G7DF				HF MANPACK	QG52xi	WIA		VK4TJ
7200.0	8	2013	9	27	1955		A3E				SW BROADCAST	QG52xi	WIA		VK4TJ
7200.0	3	2013	9	9	0940		J3E/U				ASIAN	QG52xi	WIA		VK4TJ
7200	5	2013	9	1	2206	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	1	2210	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	2	2206	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	2	2210	H24	A1A	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	3	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	3	2216	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	4	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	4	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	5	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	5	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	6	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	6	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL		non
7200	5	2013	9	7	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL		Hohhot
7200	3	2013	9	7	2216	H24	A3E	non	CHN	non	Chinese talk and	PM97	JARL		non

7200	5	2013	9	8	2210	H24	A3E	273	CHN	PBS Nei Meng	music Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	8	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	9	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	9	2208	H24	A3E	non	CHN	non	music	PM97	JARL	non
7200	1	2013	9	10	2155	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	9	10	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	10	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	9	10	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	10	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	11	2208	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	9	11	2214	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	11	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	12	2220	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	9	12	2226	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	12	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	1	2013	9	13	2156	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	9	13	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non

7200	5	2013	9	13	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	9	13	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	13	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 23:00 UTC Time signal 5+1 2sec late	PM97	JARL	non
7200	3	2013	9	13	2259	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	14	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UCT Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	9	14	2226	H24	A3E	15	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	14	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	15	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	15	2216	H24	A3E	non	CHN	non	music	PM97	JARL	non
7200	1	2013	9	16	2155	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	9	16	2156	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	16	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	9	16	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	16	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	17	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	17	2220	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	18	2210	H24	A3E	273	CHN	PBS Nei	Chinese talk and	PM97	JARL	Hohhot

7200	3	2013	9	18	2214	H24	A3E	non	CHN	Meng	music			
										non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	19	2208	H24	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
											Chinese talk and music 22:00			
7200	3	2013	9	19	2214	H24	A3E	non	CHN	non	UTC Time signal 5+1 on time	PM97	JARL	non
											Chinese talk and music 23:00			
7200	3	2013	9	19	2258	H24	A3E	non	CHN	non	UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	20	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	20	2226	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music 22:00			
7200	5	2013	9	21	2218	H24	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
											Chinese talk and music 22:00			
7200	3	2013	9	21	2224	H24	A3E	non	CHN	non	UTC Time signal 5+1 on time	PM97	JARL	non
											Chinese talk and music 23:00			
7200	3	2013	9	21	2258	H24	A3E	non	CHN	non	UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	22	2218	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	9	22	2224	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	9	23	2155	H24	A0N	non	non	non	no modulation	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	9	23	2158	H24	A3E	non	CHN	non	22:00 UTC Time signa 5+1 2sec late	PM97	JARL	non
											Chinese talk and music			
7200	5	2013	9	23	2200	H24	A0N	273	CHN	non	22:00 UTC Time signa 5+1 on time	PM97	JARL	Hohhot
7200	3	2013	9	23	2200	H24	A3E	non	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	9	23	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
											Chinese talk and music 22:00			
7200	5	2013	9	24	2226	H24	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot

7200	3	2013	9	24	2230	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	24	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	5	2013	9	25	2230	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	9	25	2236	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	25	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	Hohhot
7200	1	2013	9	26	2154	H24	A0N	non	non	non	no modulation	PM97	JARL	non
7200	3	2013	9	26	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	26	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	9	26	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	26	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	1	2013	9	27	2155	H24	A0N	non	non	non	no modulation	PM97	JARL	non
7200	3	2013	9	27	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	27	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	9	27	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	27	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	1	2013	9	28	2155	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	3	2013	9	28	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non

7200	5	2013	9	28	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	9	28	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	28	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	9	29	2230	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	9	29	2236	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	29	2258	H24	A3E	non	CHN	non	Chinese talk and music 23:00 UTC 5+1 on time after QRT	PM97	JARL	Hohhot
7200	1	2013	9	30	2155	H24	A0N	non	CHN	non	no modulation	PM97	JARL	non
7200	5	2013	9	30	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	9	30	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	9	30	2200	H24	A3E	non	CHN	non	Chinese talk and music 22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	9	30	2256	H24	A3E	non	CHN	non	Chinese talk and music 22:58 UTC QRT?	PM97	JARL	non
10113		2013	9	05	<2005>	2005	G7D		?	Unid	Multitone PSK S1	RF73MF	NZART	ZL1GWE
10120.0	5	2013	9	14	2150		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
10123		2013	9	05	<0842>	0842	J7D		?	Unid	Multitone PSK Stanag? S1	RF73MC	NZART	ZL1TTG
10125.0	50	2013	9	9	2000		P0N				OTHER,	QG52xi	WIA	VK4TJ
10140.0	50	2013	9	5	1940		P0N				CONTINUOUS OTHER,	QG52xi	WIA	VK4TJ
13994	18	2013	9	15	<0718>	0718	G7D		?	Unid	CONTINUOUS Military signal ODFM -12 tones encrypted and idling 13987-14005 S8	RF73MF	NZART	ZL1GWE

13995.0	15	2013	9	4	0840		G7D				100'S OF SUBCARRIERS ON APPROX 36 HZ INTERVALS	QG52xi	WIA	VK4TJ
13995	16	2013	9	11	<0744>	0744- 0826	G7D	120	RUS	Unid	OFDM-12 tones with guard frequency AT3000D Military modem S9+	RF73MF	NZART	ZL1GWE
13999	6	2013	9	21	<0717>	0717	G7D		RUS	Unid	Military signal ODFM -12 tones encrypted AT3004D S9	RF73MF	NZART	ZL1GWE
14000.0	3	2013	9	2	0920		J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
14000		2013	9	DY	HX	HX	G7DE		?	Unid	HF Man Pack 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
14000		2013	9	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
14000.4		2013	9	12	<0200- 0205>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14001.0		2013	9	6	0820		A1A				NUMBER CIPHER	QG52xi	WIA	VK4TJ
14001.2	3	2013	9	12	1015		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14002		2013	9	9	<0140- 0145>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14003.3	3	2013	9	12	1145		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14005.0	3	2013	9	6	0820		G7D				4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14006.0	3	2013	9	25	0805		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14007		2013	9	29	<0300- 0310>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14008.0	1	2013	9	5	1015		F1B	250			DAILY, NON BETWEEN MESSAGES	QG52xi	WIA	VK4TJ
14010.0	5	2013	9	17	0830		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14011.1	3	2013	9	1	0725		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14014.0		2013	9	27	0700		A1A			S3TNQ	CALLING V2V4 QTC	QG52xi	WIA	VK4TJ

14014.0	5	2013	9	3	0805	G7D				100'S OF SUBCARRIERS ON APPROX 38 HZ INTERVALS	QG52xi	WIA	VK4TJ
14014		2013	9	11	<1240- 1245>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14014		2013	9	29	<0221- 0225>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14014.2	3	2013	9	4	0840	J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14014.6	3	2013	9	4	0805	J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14015.0	3	2013	9	12	1015	J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14015.0	5	2013	9	3	0715	G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14015.0	5	2013	9	3	0805	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14015.6	3	2013	9	1	1205	J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14015.9	3	2013	9	3	0805	J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14015.9	3	2013	9	1	0830	J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14020.0	5	2013	9	17	2030	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14020.0	3	2013	9	5	0930	J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14021		2013	9	24	<0706>	G7DF	0706	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14022.0	3	2013	9	25	0805	J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14024.0	3	2013	9	7	2255	J3E/L				ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
14024.0	3	2013	9	13	0840	J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
14025.0	5	2013	9	30	2140	G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14025.0	5	2013	9	28	0455	G7D				DAILY, 12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14026		2013	9	24	<0528>	G7D	0528	130	?	RUS Military AT300D S9 + 10dB	RF80HL	NZART	ZL2iFB
14026	3.3	2013	9	28	<0500>	M7B	0500		?	Unid Multi chnl S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14026	3.3	2013	9	28	<1840>	M7B	1840		?	Unid Multi chnl S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14027.0	5	2013	9	14	0445	G7D				100'S OF SUBCARRIERS ON APPROX 38	QG52xi	WIA	VK4TJ

HZ INTERVALS

14028.2	3	2013	9	6	0855		J3E/U			ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14030.0	5	2013	9	26	0815		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14030.0	5	2013	9	16	0640		G7D			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14030.0	20	2013	9	5	1000		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14031.1	3	2013	9	30	0805		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14032.0	3	2013	9	24	0825		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14033	10	2013	9	14	<0105>	0105- 0230	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14035.0	5	2013	9	17	0830		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14035.0	20	2013	9	14	0155		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14035	10	2013	9	30	<0125>	0125	P0N	?	Unid	OTHR 3.8 every 35 secs 70 pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14035.7	3	2013	9	2	0925		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14038.9	3	2013	9	15	0820		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14039.0	3	2013	9	23	0755		J3E/L			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14040.0	5	2013	9	30	2135		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14040.0	20	2013	9	20	0915		P0N			OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
14040.0	5	2013	9	1	1025		G7D			4 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14040.5	3	2013	9	7	1030		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14044		2013	9	27	<1200- 1210>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14044.4	3	2013	9	10	1015		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14044.4		2013	9	29	<0145- 0150>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14045.0	1	2013	9	10	1015		F1B	500		DAILY, SHORT TRANSMISSIONS	QG52xi	WIA	VK4TJ
14045.0	5	2013	9	3	0820		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14045	10	2013	9	01	<0215>	0215	P0N	?	Unid	OTHR 3.7 every 35 secs 70 PPS S6 -91dbm	RF72LQ	NZART	ZL1BAD

14046.0	3	2013	9	22	1010		J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
14046.8	3	2013	9	1	0850		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14047.0	5	2013	9	25	0810		G7D			4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14047.0	3	2013	9	3	0810		J3E/U				QG52xi	WIA	VK4TJ	
14047		2013	9	24	<0717>	0717	G7DF		?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14048.0	3	2013	9	7	2110		J3E/U		PHI		TAGALOG	QG52xi	WIA	VK4TJ
14050.0	3	2013	9	28	2145		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14050.0	20	2013	9	14	2155		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14050.0	5	2013	9	3	0710		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14050.5	3	2013	9	20	0620		J3E/L		PHI		TAGALOG. FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14050.5	3	2013	9	22	0905		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
14051.0	5	2013	9	23	0840		G7D				100'S OF SUBCARRIERS ON APPROX 30 HZ INTERVALS CONTINUOUS DITS EXCEPT WHEN SELCALL BELOW ACTIVE SELCALL TONES	QG52xi	WIA	VK4TJ
14051.7		2013	9	4	0810		A1A					QG52xi	WIA	VK4TJ
14052.0	3	2013	9	3	0840		F1B					QG52xi	WIA	VK4TJ
14052	3.3	2013	9	01	<1125>	1125	M7B		?	Unid	Multi chnl	RF72LQ	NZART	ZL1BAD
14052		2013	9	24	<1007>	1007	G7D		?	RUS	AT3004D type modem S9 encrypted	RF80HL	NZART	ZL2iFB
14052		2013	9	25	<0713.	0713	G7D		?	RUS	Military QPSK AT3004D type modem S1	RF73MC	NZART	ZL1TTG
14052		2013	9	25	<2045>	2045- 2110	F7D		?	Unid	8 chnls - all idling. S5 -97dbm	RF72LQ	NZART	ZL1BAD
14053.0	5	2013	9	1	1205		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14053		2013	9	24	<0630>	0630- 0642	G7D	120	?	RUS	OFDM-14 tones with guard frequency AT3000D Military modem S7	RF73MF	NZART	ZL1GWE
14053		2013	9	24	<0618>	0618	G7D	120	?	RUS	Military AT3004D S6 ODFM 14 tones PSK2B S7	RF73MF	NZART	ZL1GWE
14055.0	5	2013	9	3	0835		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14056.6	3	2013	9	1	0840		J3E/U				DAILY, ASIAN, FISHBOATS,	QG52xi	WIA	VK4TJ

ENGINE NOISE

14057.0	3	2013	9	1	0825		J3E/L				ASIAN	QG52xi	WIA	VK4TJ	
14057.0	3	2013	9	2	0930		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14057		2013	9	11	<0700>	0700	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE	
14058.0	3	2013	9	25	2000		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	
14060.0	15	2013	9	30	2350		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ	
14060.0	5	2013	9	16	0655		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
14060.0	3	2013	9	9	1010		J3E/U				DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14060.0	15	2013	9	9	0705		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ	
14060	10	2013	9	10	<0745>	0745	P0N		?	Unid	OTHR 3.7 every 20 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD	
14062		2013	9	11	<0642>	0642	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE	
14064.0	3	2013	9	3	0715		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	
14064.4	3	2013	9	13	0935		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14065.0	15	2013	9	10	1020		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ	
14065.0	5	2013	9	30	2130		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
14065	10	2013	9	12	<0320>	0320-0445	P0N		?	Unid	OTHR 4 every 35 secs + 2nd burst every 7 secs after 1st. S2 -115dbm	RF72LQ	NZART	ZL1BAD	
14065	10	2013	9	30	<0100>	0100-0130	P0N		?	Unid	OTHR 3.6 every 35 secs 70 pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD	
14065.2	3	2013	9	29	0655		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	
14066.6	3	2013	9	5	0935		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14068.2	3	2013	9	13	2105		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ	
14070		2013	9	24	<0719>	0719	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE	
14075.0	5	2013	9	11	0945		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
14076.6	3	2013	9	9	1005		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	
14083		2013	9	24	<0720>	0720	G7DF		?	Unid	HF Man pack 8-PSK S1	Rf73MF	NZART	ZL1GWE	
14085.0	5	2013	9	1	0840		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ	
14085.0	3	2013	9	1	0840		J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA	VK4TJ	
14085		2013	9	06	<0642>	0642	G7D	44		RUS	Unid	ODFM Stanag 4285 signal S9 with guard frequency	RF73MF	NZART	ZL1GWE
14086.0	3	2013	9	6	0700		G7D	44			STANAG 4285	QG52xi	WIA	VK4TJ	
14086.0	5	2013	9	1	0840		G7D				ODFM 100'S OF SUBCARRIERS ON APPROX 50 HZ INTERVALS	QG52xi	WIA	VK4TJ	
14090.9	3	2013	9	10	1000		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	
14091.9	3	2013	9	1	0845		J3E/U				ASIAN	QG52xi	WIA	VK4TJ	

14098.0	5	2013	9	5	0840	G7D			100'S OF SUBCARRIERS ON APPROX 38 HZ INTERVALS	QG52xi	WIA	VK4TJ	
14098		2013	9	05	<0836>	0836	J7D	?	Unid	Multitone S1 PSK	RF73MC	NZART	ZL1TTG
14100.0	5	2013	9	17	0830		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14100.0	3	2013	9	14	0850		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14100.2		2013	9	29	<0205- 0210>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14102		2013	9	24	<0642>	0642	G7DF	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14105	10	2013	9	06	<0001>	0001- 0400	P0N	?	Unid	OTHR 3.8 every 30 sec 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14105	10	2013	9	18	<2310>	2310	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14105		2013	9	24	<0715>	0715	G7DF	Unid	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZI1GWE
14108.0		2013	9	13	0935		A1A			MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	VK4TJ
14110.0	20	2013	9	3	0730		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14110	10	2013	9	10	<0420>	0420	P0N	?	Unid	OTHR Too weak for pps measure	RF72LQ	NZART	ZL1BAD
14110	10	2013	9	21	<2335>	2335- 2359	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14110	10	2013	9	22	<0001>	0001- 0140	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14110	10	2013	9	24	<0320>	0320	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14110		2013	9	24	<0720>	0720	G7DF	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14110	10	2013	9	27	<0405>	0405	P0N	?	Unid	OTHR 3.7 every 30 secs 70 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
14111.0	3	2013	9	14	0850		J3E/L			ASIAN FAMILY NET	QG52xi	WIA	VK4TJ
14113		2013	9	29	<0135- 0145>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14113	10	2013	9	02	<0720>	0720	P0N	?	Unid	OTHR 5.1 every 23 secs 50pps S691dbm	RF72LQ	NZART	ZL1BAD

14115.0	5	2013	9	3	0840		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14116		2013	9	24	<0711>	0711	G7DF	?	Unid	HF Man Pack 8-PSK S1	RfF73MF	NZART	ZL1GWE
14116.5	3	2013	9	3	0840		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14118.5	3	2013	9	11	0915		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14119.7	3	2013	9	12	1020		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14120.0	5	2013	9	24	0820		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14120.0		2013	9	14	0445		A1A		NAOH	NUMBER CIPHER	QG52xi	WIA	VK4TJ
14120	10	2013	9	06	<0400>	0400	P0N	?	Unid	OTHR 3.8 every 30 sec 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14122.0	5	2013	9	24	0820		G7D			4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14122		2013	9	21	<0555>	0555	J7D	?	Unid	Chinese 4+4 DQPSK S4 encrypted	RF73MF	NZART	ZL1GWE
14122		2013	9	24	<0754>	0754	J7D	?	Unid	Chinese 4+4 DQPSK S6 encrypted	RF73MF	NZART	ZL1GWE
14125	10	2013	9	01	<0210>	0210	P0N	?	Unid	OTHR 3.7 secs every 35 secs 70 PPS	RF72LQ	NZART	ZL1BAD
14125	10	2013	9	06	<0400>	0400	P0N	?	Unid	OTHR 3.7 every 30 secs 70 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
14126		2013	9	24	<0757>	0757	G7D	?	Unid	Military AT3004D type modem S4 with guard frequency	RF73MF	NZART	ZL1GWE
14134		2013	9	24	<0701>	-701	G7DF	?	Unid	HF Man Pack 8-PSK S1	Rf73MF	NZART	ZL1GWE
14135.0	5	2013	9	30	0810		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14135	10	2013	9	12	<0320>	0320-0450	P0N	?	Unid	OTHR 3.7 every 35 secs. 70pps. S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14137	10	2013	9	07	<0005>	0005	P0N	?	Unid	OTHR 3.8 every 30 secs 70PPS S3 - 109dbm	RF72LQ	NZART	ZL1BAD
14137		2013	9	24	<0650>	0650	G7DF	?	Unid	HF Man Pack 8-PSK S1	Rf73MF	NZART	ZL1GWE
14137		2013	9	24	<0703>	0703	G7D	?	Unid	Military ODFM AT3004D type modem S5	RF73MF	NZART	ZL1GWE
14138		2013	9	12	<0320>	0320-0445	N0N/F1A	?	Unid	Mainly carrier, little F1A S4 -103dbm	RF72LQ	NZART	ZL1BAD
14139		2013	9	11	<0721>	0721	G7DF	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14140.0	5	2013	9	30	0810		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14140.0	20	2013	9	5	1010		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ

14140	10	2013	9	10	<0415>	0415	P0N	?	Unid	OTHR 3.7 every 20 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14140	10	2013	9	18	<0435>	0435- 0535	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14142.5	11	2013	9	19	<2308>	2308- 2330	P0N	?	Unid	OTHR, burst, long breaks, believe Cyprus	RF73MC	NZART	ZL1TTG
14143	10	2013	9	13	<2305>	2305	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14143	10	2013	9	14	<2320>	2320	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14143	10	2013	9	18	<2350>	2350	P0N	?	Unid	OTHR 3.7 every 30 secs 70 pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14144	10	2013	9	15	<0009>	0009	P0N	?	Unid	OTHR 66 pps S4	RF73MF	NZART	ZL1GWE
14145.0	20	2013	9	19	2315		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14145	10	2013	9	24	<0310>	0310	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14146		2013	9	24	<0701>	0701	G7DF	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14147		2013	9	24	<0700>	0700	G7DF	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14150	10	2013	9	06	<0405>	0405	P0N	?	Unid	OTHR 3.8 every 30 sec 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14150	10	2013	9	10	<0735>	0735	P0N	?	Unid	OTHR 3.7 every 20 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14150	10	2013	9	14	<2320>	2320	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S7 - 79dbm	RF72LQ	NZART	ZL1BAD
14150.6	3	2013	9	4	0840		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14152.0	1	2013	9	12	1020		F1B			SELCALL TONES	QG52xi	WIA	VK4TJ
14153	10	2013	9	02	<2250>	2250- 2315	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14154	12	2013	9	06	<2219>	2219- 2230	P0N	?	Unid	OTHR, bursts (S9)	RF73MC	NZART	ZL1TTG
14155	10	2013	9	06	<2208>	2208	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14155.6	3	2013	9	3	0945		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14157	10	2013	9	06	<2208>	2208	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps SS9+ -63dbm	RF72LQ	NZART	ZL1BAD
14159.8	3	2013	9	5	0940		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14160.0	1	2013	9	30	0815		F1B	250		CONTINUOUS	QG52xi	WIA	VK4TJ

14160	10	2013	9	01	<2240>	2240	P0N		?	Unid	OTHR 3.7 every 30 secs 2 stns-same freq 70pps S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14161.0	5	2013	9	9	0820		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14162		2013	9	14	<0740>	0740	G7D		?	Unid	ODFM 12 tone AT3004D or similar encrypted and idling S4	RF73Mf	NZART	ZL1GWE
14163	10	2013	9	21	<2315>	2315	P0N		?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14165	10	2013	9	02	<2300>	2300	P0N		?	Unid	OTHR 3.7 secs every 30 secs 70 PPS S3 -109	RF72LQ	NZART	ZL1BAD
14165	10	2013	9	01	<2345>	2345	P0N		?	Unid	OTHR 3.7 every 30 secs 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14165	10	2013	9	07	<2155>	2155	P0N		?	Unid	OTHR 3.8 every 30 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14165	10	2013	9	18	<2310>	2310	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14174.1	3	2013	9	2	0925		J3E/L				DAILY, ASIAN	QG52xi	WIA	VK4TJ
14175.0	5	2013	9	10	0845		G7D				12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14175.0	5	2013	9	3	0845		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14175	10	2013	9	06	<2210>	2210	P0N		?	Unid	OTHR 3.7 every 30 secs 70pps S9+ - 63dbm (2 stns co- chnl 10 sec apart)	RF72LQ	NZART	ZL1BAD
14175		2013	9	13	<2130>	2130- 2220	J3E		?	Unid	Music & Talk, Spanish language, No carrier. S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14175	10	2013	9	30	<0525>	0525	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14178		2013	9	11	<0721>	0721	G7DF		?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
14180.0	5	2013	9	30	2330		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14180.0	20	2013	9	9	0815		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14180	10	2013	9	16	<0410>	0410	P0N		?	Unid	OTHR #.8 every 22 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14185.0	3	2013	9	14	0850		J3E/L				ASIAN	QG52xi	WIA	VK4TJ
14185.0	20	2013	9	13	0840		P0N				OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ

14185	10	2013	9	30	<0525>	0525	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14190.0	20	2013	9	5	1020		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14190	10	2013	9	01	<0205>	0205	P0N	?	Unid	OTHR 3.8 every 25 70 PPS S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14190	10	2013	9	01	/2250>	2250	P0N	?	Unid	OTHR 3.7 every 30 secs 70PPS S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14190	10	2013	9	06	<2215>	2215	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14190	10	2013	9	07	<0005>	0005	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14190	10	2013	9	16	<2325>	2325	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14190	10	2013	9	30	,0110>	,0110	P0N	?	Unid	OTHR 3.7 every 35 secs 70 PPS S6 -91dbm	RF72LQ	NZART	ZL1BAD
14191		2013	9	11	<0820>	0820	G7DF	?	Unid	HF Man pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14195.0	20	2013	9	9	0840		P0N			OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
14195	10	2013	9	01	<2240>	2240- 2345	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14195	10	2013	9	15	<1155>	1155	P0N	?	Unid	OTHR 3.7 every 30 secs 70 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
14197		2013	9	11	<0737>	0737	G7DF	?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
14200.0	3	2013	9	12	0845		J3E/U			ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	VK4TJ
14200.0	20	2013	9	10	0840		P0N			OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
14201.9	3	2013	9	18	0920		J3E/L			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14203	10	2013	9	15	<2245>	2245- 2345	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14205.0	20	2013	9	12	0840		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14206.0	5	2013	9	12	1155		G7D			100'S OF SUBCARRIERS ON APPROX 33 HZ INTERVALS	QG52xi	WIA	VK4TJ
14210.0	5	2013	9	5	1000		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14220.0	5	2013	9	30	2330		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ

14220.0	1	2013	9	4	0815		F1B	500		CONTINUOUS	QG52xi	WIA	VK4TJ
14222.0	5	2013	9	1	0750		G7D			4 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
14222.2	3	2013	9	1	0845		J3E/L			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14228.0		2013	9	16	0645		A1A			NUMBER CIPHER	QG52xi	WIA	VK4TJ
14228		2013	9	11	<0642>	0642	G7DF		?	Unid HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14230.0	20	2013	9	3	0850		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14230	10	2013	9	10	<0415>	0415	P0N		?	Unid OTHR 3.7 every 20 secs 70pps S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14230	15	2013	9	12	<0735>	0735	P0N		?	Unid OTHR 3.7 every 30 secs. 70pps - 73dbm S9	RF72LQ	NZART	ZL1BAD
14233	100	2013	9	29	<0001>	0001	VXX		?	Unid CODAR. Continuous 5 PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
14233		2013	9	11	<0721>	0721	G7DF		?	Unid HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14235.0	20	2013	9	15	0120		P0N			OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
14235	10	2013	9	15	<0015>	0015	P0N		?	Unid OTHR 3.7 every 30 secs 70 pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14235	10	2013	9	17	<0005>	0005	P0N		?	Unid OTHR 3.8 every 30 secs 70pps S3 - 109dbm	RF72LQ	NZART	ZL1BAD
14238.0	5	2013	9	9	0820		G7D			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14238	10	2013	9	01	<1120>	1120	A1B		?	Unid "Dits" both chnls. 1 kHz spacing	RF72LQ	NZART	ZL1BAD
14238	12	2013	9	15	<0013>	0013	P0N		?	Unid OTHR S4 67 pps	RF73MF	NZART	ZL1GWE
14240.0	20	2013	9	10	0840		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14240	20	2013	9	02	<0750>	0750	P0N		?	Unid OTHR 4 every 25 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14240	10	2013	9	05	<2207>	2207	P0N		?	Unid OTHR 3.7 every 30 secs 50pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14240	10	2013	9	21	<2315>	2315	P0N		?	Unid OTHR Double pulse 7.5 every 35 secs 70 pps S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14240	10	2013	9	22	<0001>	0001- 0140	P0N		?	Unid OTHR Double pulse 7.5 every 35 secs 70 pps S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14240	10	2013	9	24	<9310>	9310	P0N		?	Unid OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD

14240	10	2013	9	26	<0605>	0605	P0N		?	Unid	OTHR 3.7 every 20 secs 70pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14245.0	20	2013	9	30	2335		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14245	10	2013	9	02	<2330>	2330	P0N		?	Unid	OTHR 3.7 every 30 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14245	10	2013	9	06	<2343>	2343	P0N		?	Unid	OTHR 5.3 every 30 secs 50pps S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14247	10	2013	9	13	<0415>	0415	P0N		?	Unid	OTHR 3.8 every 30 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14249	10	2013	9	05	<0325>	0325- 0435	P0N		?	Unid	OTHR 3.7 every 30 secs 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14250.0	20	2013	9	3	0810		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14250	10	2013	9	01	<0220>	0220	P0N		?	Unid	OTHR 3.8 every 30 secs 70PPS S3 - 109dbm	RF72LQ	NZART	ZL1BAD
14250	14	2013	9	24	<0642?>	0642-	P0N		CYP	Unid	OTHR continuous S6 Cyprus 50 pps	RF73MF	NZART	ZL1GWE
14256		2013	9	26	<0730>	0730	G7D		RUS	Unid	Military AT3004D type modem S1	RF73MC	NZART	ZL1TTG
14256		2013	9	11	<2135>	2135	J7D		?	Unid	Multitone S1 PSK	RF73MC	NZART	ZL1TTG
14260.0	20	2013	9	1	0240		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14261		2013	9	11	<700>	0700- 0715	M7D	30	?	Unid	OFDM-60 tones Encrypted with guard frequency - Military	RF73MF	NZART	ZL1GWE
14263.5	11	2013	9	15	<0016>	0015	P0N		?	Unid	OTHR 67 pps S4	RF73MF	NZART	ZL1GWE
14265.0	20	2013	9	15	0020		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14265	15	2013	9	04	<0320>	0320	P0N		?	Unid	OTHR 3.8. every 30 secs 70pps	RF72LQ	NZART	ZL1BAD
14265	10	2013	9	14	<2320>	2320- 2359	P0N		?	Unid	OTHR 3.7 every 30 secs 70 pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14265	10	2013	9	15	<0001>	0001- 0015	P0N		?	Unid	OTHR 3.7 every 30 secs 70 pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14265	10	2013	9	24	<2300>	2300	P0N		?	Unid	OTHR 2 secs every 20 secs 70 pps S5 -97dbm	RF72LQ	NZART	ZL1BAD
14265	10	2013	9	29	<0001>	0001- 0410	P0N		?	Unid	OTHR 3.7 every 30 secs. 70 pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14266		2013	9	11	<0721>	0721	G7DF		?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14267	20	2013	9	24	<2348>	2348	P0N	340	?	Unid	OTHR 67 pps S9	RF80HL	NZART	ZL2iFB
14270	10	2013	9	13	<0300>	0300	P0N		?	Unid	OTHR 3.8 every 30 secs 70pps S2 - 115dbm	RF72LQ	NZART	ZL1BAD

14270	10	2013	9	22	<0001>	0001	P0N		?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14270	10	2013	9	24	<2300>	2300	P0N		?	Unid	OTHR Double pulse 1.8 every 20 secs 70 pps	RF72LQ	NZART	ZL1BAD
14271.0	5	2013	9	4	0820		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	VK4TJ
14275	10	2013	9	02	<2250>	2250	P0N		?	Unid	OTHR 3.8 every 30 secs 70PPS S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	06	<0125>	0125	P0N		?	Unid	OTHR 3.7 every 30 sec 70pps S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	06	<2200>	2200	P0N		?	Unid	OTHR 5.2 every 30 sec 50pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	10	<0020>	0020	P0N		?	Unid	OTHR 3.7 every 30 secs OTHR 70/140 PPS FMCW S6 -91dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	12	<2310>	2310	P0N		?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	18	<2310>	2310	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14275	10	2013	9	23	<0010>	0010	P0N		?	Unid	OTHR 3.8 every 35 secs 50 pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14277	10	2013	9	25	<2235>	2235- 2335	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14278.0	1	2013	9	4	0825		F1B	250				QG52xi	WIA	VK4TJ
14280.0	20	2013	9	12	1155		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
14280	10	2013	9	01	<2345>	2345	P0N		?	Unid	OTHR 3.7 every 30 secs 70pps S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14284		2013	9	11	<0820>	0820	G7DF		?	Unid	HF Man Pack 8- PSK S1	Rf73MF	NZART	ZL1GWE
14285	10	2013	9	12	<0325>	0325- 0450	P0N		?	Unid	OTHR Weak... every 35 secs. S0 -127dbm	RF72LQ	NZART	ZL1BAD
14290	10	2013	9	09	<0725>	0725	P0N		?	Unid	OTHR 2.9 every 30 secs 80pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14295.0	5	2013	9	2	0925		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
14295	10	2013	9	03	<0850>	0850	P0N		?	Unid	OTHR 3.7 every 30 secs S6 -91dbm	RF72LQ	NZART	ZL1BAD
14295	10	2013	9	13	<2305>	2305	P0N		?	Unid	OTHR 3.8 every 35 secs. 70pps. S7 - 85dbm	RF72LQ	NZART	ZL1BAD

14297	10	2013	9	10	<0025>	0025	P0N	?	Unid	OTHR Too weak to measure S0 - 127dbm	RF72LQ	NZART	ZL1BAD
14297	10	2013	9	25	<2335>	2335	P0N	?	Unid	OTHR 4 every 30 secs 70 pps S2 - 115dbm	RF72LQ	NZART	ZL1BAD
14300.0	5	2013	9	30	2350		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14300.0		2013	9	7	0720		A1A			DAILY, MANY NON-ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
14300.0	20	2013	9	3	0815		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14300	10	2013	9	10	<0025>	0025	P0N	?	Unid	OTHR Too weak to measure S0 - 127dbm	RF72LQ	NZART	ZL1BAD
14300	10	2013	9	13	<0530>	0530	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14300	10	2013	9	21	<2315>	2315	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14300	10	2013	9	29	<0001>	0001-0610	P0N	?	Unid	OTHR 5 secs every 30 secs 50 pps S3 -109dbm	RF72LQ	NZART	ZL1BAD
14303	10	2013	9	12	<2310>	2310	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14303	10	2013	9	21	<0007>	0007	P0N	?	Unid	OTHR 67 pps S3	RF73MF	NZART	ZL1GWE
14304	10	2013	9	21	<0007>	0007	P0N	?	Unid	OTHR 67 pps S3	RF73MF	NZART	ZL1GWE
14305.0	20	2013	9	30	2345		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14305.0	3	2013	9	9	0825		J3E/L			CHINESE	QG52xi	WIA	VK4TJ
14305	10	2013	9	03	<0520>	0520	P0N	?	Unid	OTHR 3.7 every 35 secs 70pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
14305	10	2013	9	06	<2340>	2340	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14305	10	2013	9	04	<0415>	0415	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps	RF72LQ	NZART	ZL1BAD
14305	10	2013	9	07	<0025>	0025	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14305	10	2013	9	09	<0005>	0005-2220	P0N	?	Unid	OTHR 2x4 sec. 1 @ 3.7 & 1 @ 3 secs. 140pps S5 -97dbm	RF72LQ	NZART	ZL1BAD
14305	10	2013	9	30	<0010>	0010	P0N	?	Unid	OTHR 3.8 every 25 secs 70pps S9+ - 63dbm Strong sidebands either side	RF72LQ	NZART	ZL1BAD
14306.5	3	2013	9	4	0845		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14307	10	2013	9	06	<0715>	0715	P0N	?	Unid	OTHR 3.7 every 30 secs 70pps S9 -	RF72LQ	NZART	ZL1BAD

73dbm

14307	10	2013	9	13	<2305>	2305-2359	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14307	10	2013	9	14	<0025>	0025	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14314.5	17	2013	9	01	<0726>	0726	P0N	?	Unid	OTHR 66pps S6	Rf73MF	NZART	ZL1GWE
14315.0	20	2013	9	12	0840		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14315	20+	2013	9	02	<0750>	0750	P0N	?	Unid	OTHR 3.7 every 25 secs 70pps S9+ - 63dbm Strong side bands	RF72LQ	NZART	ZL1BAD
14315	10	2013	9	07	<0025>	0025-0215	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S1 - 121dbm	RF72LQ	NZART	ZL1BAD
14315	10	2013	9	12	<0735>	0735	P0N	?	Unid	OTHR 3.7 every 30 secs. 70pps. S8 - 79dbm	RF72LQ	NZART	ZL1BAD
14315	10	2013	9	18	<2310>	2310	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14317	10	2013	9	01	<0200>	0200	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14319		2013	9	11	<0820>	0820	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14320.0	20	2013	9	1	0205		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14321.0	3	2013	9	10	0845		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14322.0	3	2013	9	7	0730		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14325.0	5	2013	9	30	2340		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14325.0	20	2013	9	30	2335		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14330.0	5	2013	9	22	0900		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14330.0	20	2013	9	1	0850		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14330	10	2013	9	01	<0155>	0155	P0N	?	Unid	OTHR 3.7 every 35 secs 70PPS S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14333	10	2013	9	13	<2305>	2305-2359	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14333	10	2013	9	14	<0025>	0025-0235	P0N	?	Unid	OTHR 3.8 every 35 secs 70PPS S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14333.4	3	2013	9	12	1020		J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ
14335.0	5	2013	9	4	0825		G7D			100'S OF SUBCARRIERS ON APPROX 36 HZ INTERVALS	QG52xi	WIA	VK4TJ
14335.0	5	2013	9	4	0845		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14335	10	2013	9	09	<0320>	0320	P0N	?	Unid	OTHR 3.7 sec burst every 20 secs	RF72LQ	NZART	ZL1BAD

70 PPS

14336.0	3	2013	9	30	0920		J3E/U			ASIAN, FAMILY NET	QG52xi	WIA	VK4TJ
14336	16	2013	9	01	<0726>	0726	P0N	?	Unid	OTHR S5 67 pps	RF73MF	NZART	ZL1GWE
14337		2013	9	11	<0642>	0642	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14337.3		2013	9	30	0925		A1A		3T37	VVV	QG52xi	WIA	VK4TJ
14337.7	3	2013	9	22	0900		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14338.0	5	2013	9	14	0450		G7D			100'S OF SUBCARRIERS ON APPROX 50 HZ INTERVALS	QG52xi	WIA	VK4TJ
14340.0	5	2013	9	10	0840		G1D			HEAVY PSK	QG52xi	WIA	VK4TJ
14340.0	20	2013	9	1	0010		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14340		2013	9	11	<2145>	2145	P0N	?	Unid	OTHR S1 5 second bursts	RF73MC	NZART	ZL1TTG
14340	10	2013	9	13	<0410>	0410	P0N	?	Unid	OTHR 3.8 every 30 secs 70pps S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14340	10	2013	9	23	<0020>	0020	P0N	?	Unid	OTHR 3.8 every 35 secs 70 pps S4 - 103dbm	RF72LQ	NZART	ZL1BAD
14343	20+	2013	9	02	<0750>	0750	P0N	?	Unid	OTHR 3.8 every 25 secs 70pps S9+ - 63dbm Strong sidebands either side	RF72LQ	NZART	ZL1BAD
14343	15	2013	9	10	<0745>	0745	P0N	?	Unid	OTHR 3.7 every 20 secs 70pps S9+ - 63dbm	RF72LQ	NZART	ZL1BAD
14343	10	2013	9	16	<2325>	2325	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S6 - 91dbm	RF72LQ	NZART	ZL1BAD
14343	10	2013	9	30	<0525>	0525	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14345.0	20	2013	9	10	0840		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14345.4	3	2013	9	2	0925		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
14347		2013	9	11	<0728>	0728-0737	J7D	CHN	Unid	Chinese 4+4 PSK encrypted S4 and idling.	RF73MF	NZART	ZL1GWE
14347	10	2013	9	12	<0445>	0445	P0N	?	Unid	OTHR 3.8 every 30 secs. 70pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
14350.0	5	2013	9	30	0820		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
14350.0	20	2013	9	12	0700		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
14415.5	15	2013	9	14	<0805>	0805	P0N	?	Unid	OTHR S4 49 pps	RF73Mf	NZART	ZL1GWE
18057.5	23	2013	9	14	<0458>	0458-0459	P0N	?	Unid	OTHR, S9, extended into the amateur 17 metre band	RF73IJ	NZART	ZL1TTG

18065	20	2013	9	12	<0750>	0750	P0N				?	Unid	OTHR Continuous 50pps. S7 -85dbm *** Partly in band	RF72LQ	NZART	ZL1BAD
18068.0	3	2013	9	27	0520		J3E/U						ASIAN	QG52xi	WIA	VK4TJ
18068		2013	9	DY	HX	HX	G7DE/F				?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
18080.0	5	2013	9	20	1020		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
18090.0	20	2013	9	9	0835		P0N						OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ
18092.2	8	2013	9	30	0820		A3E						SW BROADCAST, CHINESE LANGUAGE	QG52xi	WIA	VK4TJ
18095		2013	9	11	<2215>	2215	J7D				?	Unid	Multitone PSK S1	RF73MC	NZART	ZL1TTG
18103	10	2013	9	14	<0015>	0015- 0045	P0N				?	Unid	OTHR 5.2 every 35 secs. 50pps. S7 - 85dbm	RF72LQ	NZART	ZL1BAD
18110.0	5	2013	9	15	0115		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
18115.0	5	2013	9	17	0835		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
18130	10	2013	9	27	<0050>	0050	P0N				?	Unid	OTHR 3.8 every 35 secs 70 pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
18135.0	5	2013	9	6	0900		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
18135		2013	9	13	<0353>	0353	P0N				?	Unid	OTHR S1	RF73MC	NZART	ZL1TTG
18136	10	2013	9	12	<0435>	0435	P0N				?	Unid	OTHR 5..1 every 35 secs 50pps S5 -97dbm	RF72LQ	NZART	ZL1BAD
21000.0		2013	9	22	0130		N0N							QG52xi	WIA	VK4TJ
21000.0	3	2013	9	27	0750		J3E/U						ASIAN, NOT SCRAMBLED, SOUNDS CHINESE	QG52xi	WIA	VK4TJ
21000.0	3	2013	9	16	0805		J3E/U						SCRAMBLED, ASSOCIATED WITH F1B ON 21001.5	QG52xi	WIA	VK4TJ
21000.0	10	2013	9	6	0900		A2A						C/W CHIRPS, WARBLE, SWEEP	QG52xi	WIA	VK4TJ
21000		2013	9	DY	HX	HX	G7DE/F				?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
21000		2013	9	DY	HX	HX	G7DE				?	Unid	HF Man Pack 6 & 8 PSK	RF72LQ	NZART	ZL1BAD
21001		2013	9	24	<0325>	0325	F1B	100	150	330	?	RUS	Russian synch FSK T219 Scrambler USB S2	RF80HL	NZART	ZL2iFB
21001.5	1	2013	9	3	0750		F1B		150				CONTINUOUS	QG52xi	WIA	VK4TJ
21003.2	3	2013	9	8	0005		J3E/U						ASIAN	QG52xi	WIA	VK4TJ
21005.0	5	2013	9	25	0930		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
21005.2	3	2013	9	16	0755		J3E/L						SPANISH LANGUAGE	QG52xi	WIA	VK4TJ
21010.0	5	2013	9	1	0155		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
21015.0	5	2013	9	1	0200		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
21020.0	5	2013	9	1	0215		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ

21021.1	3	2013	9	3	0945	J3E/U			DAILY, ASIAN	QG52xi	WIA	VK4TJ	
21025.0	5	2013	9	1	0330	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21027.4	3	2013	9	18	0940	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21030.9	3	2013	9	18	0940	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21033.4	3	2013	9	5	0945	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21035		2013	9	28	<0103>	0103	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21035.8	3	2013	9	5	0950	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21044		2013	9	11	<0635>	0635	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21046.8	3	2013	9	8	0005	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21050.0	5	2013	9	1	0135	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21060.0	5	2013	9	26	2345	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21062		2013	9	28	<0058>	0058	G7DF	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21067		2013	9	11	<0633>	0633	G7DF	?	Unid	HF Man pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21067.8	3	2013	9	8	0005	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21070.9	3	2013	9	3	0950	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21075		2013	9	28	<0056>	0056	G7DF	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21079		2013	9	11	<0634>	0634	G7DF	?	Unid	HF Man pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21100	10	2013	9	23	<0020>	0020	P0N	?	Unid	OTHR 5.4 every 30 secs 50 pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
21100.1	3	2013	9	22	0120	J3E/U		INS	BAHASA	QG52xi	WIA	VK4TJ	
21105.0	5	2013	9	1	0855	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21105	10	2013	9	05	<0620>	0620	P0N	?	Unid	OTHR 5.3 every 30 secs 50pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
21107		203	9	05	<0712>	0712	P0N	?	Unid	OTHR S2	RF73MC	NZART	ZL1TTG
21107		2013	9	22	<0626>	0626	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21107.7	3	2013	9	24	0900	J3E/L			ASIAN	QG52xi	WIA	VK4TJ	
21110.0	20	2013	9	1	0010	P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ	
21116.5	19	2013	9	22	<0536>	0536-0537	P0N	?	Unid	OTHR S2 19 seconds length 6.8 pps calculated from audio sample taken	RF73MF	NZART	ZL1GWE
21130	10	2013	9	13	<0530>	0530	P0N	?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21130		2013	9	28	<0112>	0112	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21133.5	3	2013	9	30	2315	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
21135	10	2013	9	02	<0445>	0445	P0N	?	Unid	OTHR 5.2 sec every 30 secs. 50 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
21135	20	2013	9	21	<0345\	0345	P0N	?	Unid	OTHR 30 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD

21135	20	2013	9	26	<0610>	0610	P0N		?	Unid	OTHR Continuous 70 pps S9 -73dbm	RF72LQ	NZART	ZL1BAD
21145.1	3	2013	9	19	2330		J3E/U				ASIAN	QG52xi	WIA	VK4TJ
21147.5	21	2013	9	22	<0616>	0616- 0700	P0N		?	Unid	OTHR, continuous, Cyprus (S1)	ZL1TPH	NZART	ZL1TTG
21148.5	13	2013	9	06	<2319>	2319- 2359	P0N		?	Unid	OTHR, bursts (S9)	RF73MC	NZART	ZL1TTG
21149		2013	9	28	<0056>	0056	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21150	15	2013	9	06	<2345>	2345	P0N		?	Unid	OTHR 5.3 every 30 secs 50pps S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21151.5	25	2013	9	28	<0738?	0738	P0N	330	?	Unid	OTHR 50 pps continuous S7	RF73MF	NZART	ZL1GWE
21162		2013	9	11	<0631>	0631	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21165.0	5	2013	9	8	0010		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21165		2013	9	28	<0055>	0055	G7DF		?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21166		2013	9	11	<0637>	0637	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21167		2013	9	28	<0117>	0117	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21168		2013	9	11	<0635>	0635	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21168		2013	9	24	<0634>	0634	G7DF		RUS	Unid	Military ODFM AT3004D Modem S2 Constant - encrypted	RF73MF	NZART	ZL1GWE
21170	15	2013	9	05	<0710>	0710	P0N		?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21170	22	2013	9	22	<0458>	0458- 0657	P0N		CYP	Unid	OTHR S3 continuous 50 pps	RF73MF	NZART	ZL1GWE
21173	10	2013	9	12	<2320>	2320	P0N		?	Unid	OTHR 5.2 every 35 secs 50pps S7 - 885dbm	RF72LQ	NZART	ZL1BAD
21175.0	5	2013	9	30	2325		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21175	10	2013	9	23	<0020>	0020	P0N		?	Unid	OTHR 5.3 every 30 secs 50 pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
21180	10	2013	9	23	<0020>	0020	P0N		?	Unid	OTHR 5.5 every 30 secs 50 pps S9 - 73dbm	RF72LQ	NZART	ZL1BAD
21183	10	2013	9	12	<2320>	2320	P0N		?	Unid	OTHR 5.2 every 35 secs 50pps S7 - 885dbm	RF72LQ	NZART	ZL1BAD
21183		2013	9	28	<0055>	0055	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21184		2013	9	28	<0056>	0056	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21185.0	5	2013	9	3	0740		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ

21185	20+	2013	9	02	<2300>	2300	P0N		?	Unid	OTHR 5.3 every 30 secs 50pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
21192		2013	9	28	<0103>	0103	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21196		2013	9	28	<0102>	0102	G7DF		?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21200.0	1	2013	9	20	0755		F1B	850			SHORT BURSTS	QG52xi	WIA	VK4TJ
21200.0	20	2013	9	19	2335		VXX				SWEEPS, PRECURSOR TO OTHR	QG52xi	WIA	VK4TJ
21210.0	5	2013	9	8	0010		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21210	20	2013	9	02	<0450>	0450	P0N		?	Unid	OTHR 18 secs every 4 mins. 7 PPS	RF72LQ	NZART	ZL1BAD
21210	20	2013	9	02	<2349>	2349	P0N		?	Unid	OTHR 18 sec Variable timing 7PPS S3 - 109dbm	RF72LQ	NZART	ZL1BAD
21210	20	2013	9	06	<0110>	0110	P0N		?	Unid	OTHR 18 every 3Mins. 7pps S3 - 109dbm	RF72LQ	NZART	ZL1BAD
21210	20	2013	9	06	<2350>	2350	P0N		?	Unid	OTHR 18 once only. 7pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
21210	20	2013	9	20	<0306>	0306	P0N		?	Unid	OTHR 18 every 10+Mins. 50pps	RF72LQ	NZART	ZL1BAD
21210	20	2013	9	20	<0614>	0614	P0N		?	Unid	OTHR 1.5 Min. 50 pps	RF72LQ	NZART	ZL1BAD
21210.5	21	2013	9	28	<0120>	0120	P0N		?	Unid	OTHR S2 19 seconds length 6.8 pps calculated from audio sample taken	RF73MF	NZART	ZL1GWE
21215	20	2013	9	06	<0715>	0715	P0N		?	Unid	OTHR 18 every 3 mins 7pps S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21225.0	5	2013	9	7	0740		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21225	20	2013	9	05	<2205	2205	P0N		?	Unid	OTHR 18 sec every 5 Mins. 7 PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
21230	20	2013	9	07	<2110>	2110	P0N		?	Unid	OTHR 18 secs every 5 mins S3 - 109dbm CODAR ?	RF72LQ	NZART	ZL1BAD
21233	20	2013	9	27	<0405>	0405	P0N		?	Unid	OTHR 18 secs every 5 mins S3 - 109dbm CODAR ?	RF72LQ	NZART	ZL1BAD
21235	20	2013	9	26	<0115>	0115	P0N		?	Unid	OTHR 18 secs every 4 mins. 1 / 2 pps S3 -109dbm	RF72LQ	NZART	ZL1BAD
21235	20	2013	9	30	<0015>	0015	P0N		?	Unid	OTHR CODAR 18 secs S4 -103dbm	RF72LQ	NZART	ZL1BAD
21238		2013	9	24	<0658>	0658	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21240	20	2013	9	21	<0418>	0418	P0N		?	Unid	OTHR 18 secs S6	RF72LQ	NZART	ZL1BAD

21240	20	2013	9	21	<0418>	0418	P0N	?	Unid	-91dbm OTHR 18 secs S6	RF72LQ	NZART	ZL1BAD
21245		2013	9	28	<0100>	0100	G7DF	?	Unid	-91dbm HF Man pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21250.0	20	2013	9	30	0830		P0N			OTHR, BURSTS, STARTS WITH BEEP	QG52xi	WIA	VK4TJ
21250	20	2013	9	11	<0400>	0400	P0N	?	Unid	OTHR Continuous 50pps S8 -79dbm	RF72LQ	NZART	ZL1BAD
21259		2013	9	01	<0712>	0712	G7DF	?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
21260.0	5	2013	9	8	0010		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
21260		2013	9	01	<0340>	0340	P0N	?	Unid	OTHR S1	RF73MC	NZART	ZL1TTG
21263.5	11	2013	9	11	<2215>	2215	G7DF	?	Unid	Multitone PSK S1	RF73MC	NZART	ZL1TTG
21265.0	5	2013	9	1	0855		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
21269.5	19	2013	9	01	<0714>	0714	P0N	?	Unid	OTHR HFSWR 7 pps with pip S3	RF73MF	NZART	ZL1GWE
21270	10	2013	9	24	<0320>	0320	P0N	?	Unid	OTHR 1.4 at variable times. 50/100 pps. OTHR FMCW	RF72LQ	NZART	ZL1BAD
21275	20	2013	9	05	<0432>	0432	P0N	?	Unid	OTHR 18 secs every 3 mins 7 pps S1 -121dbm	RF72LQ	NZART	ZL1BAD
21276	10	2013	9	24	<0330>	0330	P0N	?	Unid	OTHR 38 pps 1.5 second bursts vary in intensity suspect JORN with small pip	RF73MF	NZART	ZL1GWE
21290.0	20	2013	9	1	0750		VXX			SWEEPS, PRECURSOR TO OTHR	QG52xi	WIA	VK4TJ
21290	15	2013	9	01	<0445>	0445	P0N	?	Unid	OTHR 1.5 at variable timing 50PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
21290	20	2013	9	27	<0715>	0715	P0N	?	Unid	OTHR 1.5 at variable timing 50PPS S3 -109dbm	RF72LQ	NZART	ZL1BAD
21290.5	11	2013	9	17	<0718>	0718-0730	P0N	?	Unid	OTHR, slow pulse, short bursts, S9	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	10	<0440>	0440	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S6)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	11	<0340>	0340-0440	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S6)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	14	<0525>	0525-0710	P0N	?	Unid	OTHR, bursts, signature tone at start only (S6)	RF73IJ	NZART	ZL1TPH

21294	12	2013	9	16	<0453>	0453-0508	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S6)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	17	<0544>	0544-0550	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S1)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	18	<0549>	0549-0623	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S1,S6 then faded at 0623)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	19	<0552>	0552-0605	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S4)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	22	<0537>	0537-0546	P0N	?	Unid	OTHR, double bursts, signature tone at start (S1)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	22	<0406>	0406-0430	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S3)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	22	<0521>	0521-0614	P0N	?	Unid	OTHR, double bursts, signature tone at start (S3)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	26	<0525>	0525-0545	P0N	?	Unid	OTHR, double bursts, signature tone at start (S2)	RF73IJ	NZART	ZL1TPH
21294	12	2013	9	30	<0231>	0231-0245	P0N	?	Unid	OTHR, bursts, signature tone on 21274 (S3)	RF73IJ	NZART	ZL1TPH
21295.0	20	2013	9	30	2325		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
21295	10	2013	9	11	<0215>	0215	P0N	?	Unid	OTHR 3.2 every variable timing - around 30 secs S8 -79dbm	RF72LQ	NZART	ZL1BAD
21295	10	2013	9	11	<0400>	0400	P0N	?	Unid	OTHR 3 secs every variable time - around 20-30 secs. S7 -85dbm	RF72LQ	NZART	ZL1BAD
21295	10	2013	9	14	<0700>	0700	P0N	?	Unid	OTHR 5.2 every 25 secs 50pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
21295		2013	9	22	<0539>	0539-0545	P0N	?	Unid	OTHR 41 and 44 pps bursts S3 JORN suspected with double bursts with pip	RF73MF	NZART	ZL1GWE
21297		2013	9	15	<2310>	2310	P0N	?	Unid	OTHR S1	RF73MC	NZART	ZL1TTG
21300.0	20	2013	9	16	0710		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
21306		2013	9	22	<0622>	0622	G7DF	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21307		2013	9	22	<0621>	0621	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21310.0	20	2013	9	14	0700		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
21311		2013	9	22	<0624>	0624	G7DF	?	Unid	HF Man pack 8-PSK S1	RF73MF	NZART	ZL1GWE

21312.5	13	2013	9	01	<0430>	0430-0715	P0N		?	Unid	OTHR, bursts (S8)	RF73IJ	NZART	ZL1TPH
21314	18	1013	9	01	<0652>	0652	P0N		?	Unid	OTHR 47 pps S4	RF73MF	NZART	ZL1GWE
21315.0	5	2013	9	30	2315		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21315	10	2013	9	13	<0530>	0530	P0N		?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21315		2013	9	16	<0115>	0115	P0N		?	Unid	OTHR S8 50 pps 5.25 second bursts and 37 second gaps	RF73MC	NZART	ZL1TTG
21317	10	2013	9	01	<0445>	0445	P0N		?	Unid	OTHR 5.3 every 30 secs 50 PPS S8 -79dbm	RF72LQ	NZART	ZL1BAD
21318.0	1	2013	9	25	0840		F1B	600			DAILY, PULSED	QG52xi	WIA	VK4TJ
21318		2013	9	23	<2331>	2331	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21320.0	20	2013	9	1	0510		P0N				OTHR, BURSTS	QG52xi	WIA	VK4TJ
21324		2013	9	22	<0625>	0625	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21324		2013	9	28	<0054>	0054	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21330		2013	9	22	<0624>	0624	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21335.0	5	2013	9	1	0755		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21337		2013	9	16	<0145>	0145	P0N		?	Unid	OTHR S8	RF73MC	NZART	ZL1TTG
21337		2013	9	28	<0527>	0527	G7DF		?	Unid	HF Man pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21338		2013	9	28	<0105>	0105	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21350.0	5	2013	9	15	0115		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ
21350.0	20	2013	9	8	0515		P0N				OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	VK4TJ
21350	25	2013	9	23	<0710>	0710-0730	P0N		?	Unid	OTHR Continuous 50 pps S9+ - 53dbm	RF72LQ	NZART	ZL1BAD
21354		2013	9	28	<0054>	0054	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21355		2013	9	28	<0059>	0059	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21365	20	2013	9	02	<2308>	2308	P0N		?	Unid	OTHR 5.3 every 30 secs 50pps S7 - 85dbm. Very strong side bands total 75k	RF72LQ	NZART	ZL1BAD
21371		2013	9	28	<0054>	0054	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21378		2013	9	11	<0638>	0638	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21380.0	20	2013	9	15	0115		G7DF				HF MANPACK	QG52xi	WIA	VK4TJ

21380.0	3	2013	9	30	0835		J3E/U			TAGALOG OR BAHASA, FAMILY NET	QG52xi	WIA	VK4TJ
21385	20	2013	9	01	<0445>	0445	P0N	?	Unid	OTHR 18 every 4 min. 7 PPS S5 - 97dbm	RF72LQ	NZART	ZL1BAD
21385	10	2013	9	12	<0745>	0745	P0N	?	Unid	OTHR Not measured - every 30 secs. S7 - 85dbm	RF72LQ	NZART	ZL1BAD
21390.0	20	2013	9	1	0855		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ
21390	10	2013	9	14	<2355>	2355	P0N	?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21390	10	2013	9	29	<0325>	0325- 0710	P0N	?	Unid	OTHR 5 secs every 30 secs. 50 pps S7 -85dbm	RF72LQ	NZART	ZL1BAD
21400	10	2013	9	21	<0745>	0745	P0N	?	Unid	OTHR 3.8 every 30 secs (Double 3 secs apart) 70 pps S7 -85dbm	RF72LQ	NZART	ZL1BAD
21403		2013	9	21	<0751>	0751	P0N	?	Unid	OTHR Varying ratesS7	RF73MF	NZART	ZL1GWE
21407	10	2013	9	20	<0110>	0110- 0125	P0N	?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21411.3	3	2013	9	4	0855		J3E/L			ASIAN	QG52xi	WIA	VK4TJ
21413		2013	9	28	<0102>	0102	G7DF	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21415	15	2013	9	14	<0700>	0700	P0N	?	Unid	OTHR 5.2 every 25 secs 50pps S7 - 85dbm	RF72LQ	NZART	ZL1BAD
21420.0	20	2013	9	15	0115		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
21421		2013	9	11	<0637>	0637	G7DF	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21428		2013	9	28	<0059>	0059	G7DF	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21432.0	5	2013	9	1	0905		G7D			4 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	VK4TJ
21435	10	2013	9	08	<2235>	2235	P0N	?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21435	15	2013	9	15	<0005>	0005	P0N	?	Unid	OTHR 5.2 every 30 secs 50PPS S8 - 79dbm	RF72LQ	NZART	ZL1BAD
21438.0		2013	9	30	0835		A1A			OTHER MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG52xi	WIA	VK4TJ
21438.5	15	2013	9	07	<0732>	0732	P0N	?	Unid	OTHR 46-48 pps S6	RF73MF	NZART	ZL1GWE

21440.0	5	2013	9	7	0740		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21440.0	20	2013	9	7	0740		P0N			OTHR, BURSTS	QG52xi	WIA	VK4TJ	
21442	24	2013	9	07	<0732>	0732	P0N		?	Unid	OTHR 46-48 pps S6 5.5 second bursts 80 second gaps	RF73MF	NZART	ZL1GWE
21445.0	20	2013	9	25	0845		P0N			OTHR, CONTINUOUS	QG52xi	WIA	VK4TJ	
21450.0	5	2013	9	30	2355		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
21455		2013	9	16	<0415>	0415	A3E		USA	RFA	Broadcast Radio Free Asia Chinese Tinian Island	RF73MF	NZART	ZL1GWE
24426		2013	9	23	<2329>	2329	G7DF		?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
24887.5	6	2013	9	15	0105		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24890.0	5	2013	9	27	0845		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
24895.0	5	2013	9	27	0800		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
24900.0	8	2013	9	20	1010		F3E			ASIAN	QG52xi	WIA	VK4TJ	
24900.0	5	2013	9	8	0005		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
24900		2013	9	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
24905.0	6	2013	9	1	0825		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24910.0	5	2013	9	8	0005		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
24912.5	6	2013	9	16	0750		F3E			ASIAN	QG52xi	WIA	VK4TJ	
24915.0	6	2013	9	3	0750		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24920.0	6	2013	9	13	2155		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24925.0	8	2013	9	1	0105		F3E			ASIAN	QG52xi	WIA	VK4TJ	
24928.0	1	2013	9	22	0120		F1B			SELCALL TONES	QG52xi	WIA	VK4TJ	
24935.0	6	2013	9	1	0105		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24935	10	2013	9	19	<0355>	0355	P0N		?	Unid	OTHR 5.2 every 30 secs 50 pps S5 - 97dbm	RF72LQ	NZART	ZL1BAD
24937.5	6	2013	9	16	0750		F3E			ASIAN	QG52xi	WIA	VK4TJ	
24950.0	6	2013	9	28	1025		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24955.0	6	2013	9	1	0105		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24975.0	6	2013	9	8	0000		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24985.0	6	2013	9	8	0000		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24987.5	6	2013	9	30	2220		A3E			ASIAN	QG52xi	WIA	VK4TJ	
24990.0	40	2013	9	16	0745		VXX			DAILY, CODAR- LIKE SWEEPS	QG52xi	WIA	VK4TJ	
28000.0	6	2013	9	14	0415		A3E			ASIAN	QG52xi	WIA	VK4TJ	
28000.0	3	2013	9	7	0440		J3E/U		PHI	TAGALOG	QG52xi	WIA	VK4TJ	
28000		2013	9	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
28000		2013	9	DY	HX	HX	G7DE		?	Unid	HF Man Pack 6 PSK	RF72LQ	NZART	ZL1BAD
28005.0	6	2013	9	1	0010		A3E			ASIAN	QG52xi	WIA	VK4TJ	
28012.5	6	2013	9	1	0010		A3E			ASIAN	QG52xi	WIA	VK4TJ	
28015.0	100	2013	9	24	0835		P0N		IRI	IRANIAN OTHR	QG52xi	WIA	VK4TJ	

28015.0	6	2013	9	1	0010	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28025.0	6	2013	9	1	0010	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28035.0	6	2013	9	1	0010	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28037.5	6	2013	9	7	0450	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28040.0	100	2013	9	25	0820	P0N		IRI	IRANIAN OTHR	QG52xi	WIA	VK4TJ	
28040.0	6	2013	9	14	0030	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28040.2		2013	9	14	0040	A1A		5DEG	DRIFTNET BEACON	QG52xi	WIA	VK4TJ	
28050.0	8	2013	9	1	0015	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28050.0	100	2013	9	1	0545	P0N		IRI	IRANIAN OTHR	QG52xi	WIA	VK4TJ	
28055.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28060.0	5	2013	9	8	0145	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28062.5	6	2013	9	8	0115	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28065.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28070.0	100	2013	9	14	0415	P0N		IRI	IRANIAN OTHR	QG52xi	WIA	VK4TJ	
28075.0	8	2013	9	14	0415	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28080.4		2013	9	7	0055	A1A		4MIG	DRIFTNET BEACON	QG52xi	WIA	VK4TJ	
28085.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28087.5	6	2013	9	8	0115	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28088.7		2013	9	14	0040	A1A		5AGK	DRIFTNET BEACON	QG52xi	WIA	VK4TJ	
28095.0	6	2013	9	8	0120	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28100.0	6	2013	9	1	0630	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28105.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28112.5	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28115.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28125.0	8	2013	9	1	0015	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28131.5	253	2013	9	23	<0249>	P0N	0249-0548	IRN	Unid	OTHR 308 and 871 pps S1-S2	RF73MF	NZART	ZL1GWE
28135.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28137.5	8	2013	9	1	0635	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28140.0	5	2013	9	7	0100	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28145.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28150.0	1	2013	9	27	2145	F1B	300		SHORT BURSTS	QG52xi	WIA	VK4TJ	
28150.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28155.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28160.0	5	2013	9	30	2350	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28162.5	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28165.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28175.0	8	2013	9	14	0415	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28185.0	8	2013	9	1	0015	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28187.5	8	2013	9	30	2245	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28195.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28200.0	20	2013	9	28	1010	P0N			OTHR	QG52xi	WIA	VK4TJ	
28200.0	8	2013	9	14	0420	F3E			ASIAN	QG52xi	WIA	VK4TJ	

28205.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28212.5	6	2013	9	1	0100	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28215.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28220.0	5	2013	9	8	0205	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28225.0	8	2013	9	1	0015	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28235.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28237.5	6	2013	9	8	0125	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28245.0	6	2013	9	1	0015	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28250.0	8	2013	9	14	0420	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28250.0	5	2013	9	1	0020	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28251		2013	9	22	<0726>	0726	G7DF	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28255.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28260.0	6	2013	9	30	2250	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28262.5	6	2013	9	1	0635	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28265.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28270.0	5	2013	9	20	0010	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28275.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28285.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28287.5	6	2013	9	1	0635	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28295.0	8	2013	9	1	0020	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28300.0	8	2013	9	7	2255	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28305.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28312.5	6	2013	9	8	0130	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28315.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28325.0	8	2013	9	1	0020	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28335.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28337.5	6	2013	9	7	2355	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28340.0	5	2013	9	7	2310	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28342.0	6	2013	9	14	0030	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28345.0	6	2013	9	7	0100	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28350.0	8	2013	9	1	0020	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28355.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28362.5	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28365.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28375.0	8	2013	9	1	0020	F3E			ASIAN	QG52xi	WIA	VK4TJ	
28375		2013	9	21	<0541>	0541	G7DF	?	Unid	HF Man Pack 8-PSK S2 Multiple times	RF73MF	NZART	ZL1GWE
28380.0	5	2013	9	29	0925	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
28385.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28387.5	6	2013	9	1	0100	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28395.0	6	2013	9	1	0100	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28400.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28405.0	6	2013	9	1	0020	A3E			ASIAN	QG52xi	WIA	VK4TJ	
28412.5	6	2013	9	8	0525	A3E			ASIAN	QG52xi	WIA	VK4TJ	

28415.0	6	2013	9	1	0020	A3E	ASIAN	QG52xi	WIA	VK4TJ
28415.0	5	2013	9	8	0215	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28425.0	8	2013	9	1	0020	F3E	ASIAN	QG52xi	WIA	VK4TJ
28435.0	6	2013	9	1	0020	A3E	ASIAN	QG52xi	WIA	VK4TJ
28437.5	8	2013	9	1	0020	F3E	ASIAN	QG52xi	WIA	VK4TJ
28445.0	6	2013	9	7	0105	A3E	ASIAN	QG52xi	WIA	VK4TJ
28450.0	8	2013	9	1	0640	F3E	ASIAN	QG52xi	WIA	VK4TJ
28455.0	6	2013	9	1	0020	A3E	ASIAN	QG52xi	WIA	VK4TJ
28462.5	6	2013	9	14	0050	A3E	ASIAN	QG52xi	WIA	VK4TJ
28465.0	6	2013	9	1	0020	A3E	ASIAN	QG52xi	WIA	VK4TJ
28475.0	8	2013	9	1	0025	F3E	ASIAN	QG52xi	WIA	VK4TJ
28475.0	5	2013	9	1	0025	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28485.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28487.5	6	2013	9	1	0640	A3E	ASIAN	QG52xi	WIA	VK4TJ
28500.0	6	2013	9	7	2310	A3E	ASIAN	QG52xi	WIA	VK4TJ
28505.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28505.0	6	2013	9	1	0025	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28512.5	6	2013	9	27	0825	A3E	ASIAN	QG52xi	WIA	VK4TJ
28515.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28518.0	6	2013	9	1	0710	A3E	ASIAN	QG52xi	WIA	VK4TJ
28525.0	6	2013	9	14	0420	F3E	ASIAN	QG52xi	WIA	VK4TJ
28525.0	6	2013	9	7	2355	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28535.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28537.5	6	2013	9	8	0535	A3E	ASIAN	QG52xi	WIA	VK4TJ
28540.0	6	2013	9	14	0050	A3E	ASIAN	QG52xi	WIA	VK4TJ
28540.0	6	2013	9	7	2310	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28550.0	8	2013	9	1	0710	F3E	ASIAN	QG52xi	WIA	VK4TJ
28555.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28560.0	6	2013	9	14	0050	A3E	ASIAN	QG52xi	WIA	VK4TJ
28562.5	6	2013	9	8	0535	A3E	ASIAN	QG52xi	WIA	VK4TJ
28565.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28570.0	6	2013	9	7	0105	A3E	ASIAN	QG52xi	WIA	VK4TJ
28575.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28585.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28595.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28600.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28605.0	6	2013	9	30	2255	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28605.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28612.5	6	2013	9	8	0545	A3E	ASIAN	QG52xi	WIA	VK4TJ
28615.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28625.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28635.0	6	2013	9	1	0055	A3E	ASIAN	QG52xi	WIA	VK4TJ
28635.0	6	2013	9	1	0025	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28637.5	6	2013	9	8	0550	A3E	ASIAN	QG52xi	WIA	VK4TJ
28645.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ

28650.0	6	2013	9	1	0055	A3E	ASIAN	QG52xi	WIA	VK4TJ
28655.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28665.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28670.0	6	2013	9	7	2315	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28675.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28685.0	6	2013	9	30	2255	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28685.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28687.5	8	2013	9	30	2255	F3E	ASIAN	QG52xi	WIA	VK4TJ
28695.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28695.0	6	2013	9	7	0105	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28700.0	6	2013	9	7	2315	A3E	ASIAN	QG52xi	WIA	VK4TJ
28705.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28712.5	6	2013	9	14	0055	A3E	ASIAN	QG52xi	WIA	VK4TJ
28715.0	6	2013	9	1	0025	A3E	ASIAN	QG52xi	WIA	VK4TJ
28725.0	8	2013	9	14	0425	F3E	ASIAN	QG52xi	WIA	VK4TJ
28730.0	6	2013	9	22	0105	A3E	ASIAN	QG52xi	WIA	VK4TJ
28735.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
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28745.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28750.0	8	2013	9	30	2255	F3E	ASIAN	QG52xi	WIA	VK4TJ
28755.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28760.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28762.5	6	2013	9	7	2350	A3E	ASIAN	QG52xi	WIA	VK4TJ
28765.0	6	2013	9	7	2315	A3E	ASIAN	QG52xi	WIA	VK4TJ
28765.0	6	2013	9	7	2315	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28775.0	8	2013	9	1	0055	F3E	ASIAN	QG52xi	WIA	VK4TJ
28785.0	6	2013	9	7	2320	A3E	ASIAN	QG52xi	WIA	VK4TJ
28787.5	6	2013	9	30	0850	A3E	ASIAN	QG52xi	WIA	VK4TJ
28795.0	6	2013	9	22	0105	A3E	ASIAN	QG52xi	WIA	VK4TJ
28795.0	6	2013	9	22	0105	G7DF	HF MANPACK	QG52xi	WIA	VK4TJ
28800.0	6	2013	9	7	0110	A3E	ASIAN	QG52xi	WIA	VK4TJ
28805.0	6	2013	9	27	0830	A3E	ASIAN	QG52xi	WIA	VK4TJ
28812.5	8	2013	9	1	0055	F3E	ASIAN	QG52xi	WIA	VK4TJ
28815.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28825.0	6	2013	9	1	0055	A3E	ASIAN	QG52xi	WIA	VK4TJ
28835.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28837.5	8	2013	9	30	2300	F3E	ASIAN	QG52xi	WIA	VK4TJ
28845.0	6	2013	9	27	0830	A3E	ASIAN	QG52xi	WIA	VK4TJ
28850.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28862.5	8	2013	9	14	0425	F3E	ASIAN	QG52xi	WIA	VK4TJ
28865.0	6	2013	9	1	0030	A3E	ASIAN	QG52xi	WIA	VK4TJ
28875.0	8	2013	9	7	0110	F3E	ASIAN	QG52xi	WIA	VK4TJ
28885.0	6	2013	9	7	2350	A3E	ASIAN	QG52xi	WIA	VK4TJ
28887.5	6	2013	9	1	0710	A3E	ASIAN	QG52xi	WIA	VK4TJ
28900.0	8	2013	9	30	2300	F3E	ASIAN	QG52xi	WIA	VK4TJ

28901		2013	9	22	<0711>	0711	F3E	?	Unid	Non Amateurs S1 Asians	RF73MF	NZART	ZL1GWE
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28905		2013	9	21	<0544>	0544	G7DF	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
28912.5	6	2013	9	29	0930		A3E			ASIAN	QG52xi	WIA	VK4TJ
28915.0	6	2013	9	1	0030		A3E			ASIAN	QG52xi	WIA	VK4TJ
28920.0	6	2013	9	14	0425		A3E			ASIAN	QG52xi	WIA	VK4TJ
28925.0	6	2013	9	1	0030		F3E			ASIAN	QG52xi	WIA	VK4TJ
28935.0	6	2013	9	28	1020		A3E			ASIAN	QG52xi	WIA	VK4TJ
28937.5	6	2013	9	1	0710		A3E			ASIAN	QG52xi	WIA	VK4TJ
28945.0	6	2013	9	28	1020		A3E			ASIAN	QG52xi	WIA	VK4TJ
28950.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
28962.5	6	2013	9	16	0720		A3E			ASIAN	QG52xi	WIA	VK4TJ
28975.0	6	2013	9	1	0030		A3E			ASIAN	QG52xi	WIA	VK4TJ
28985.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
28995.0	6	2013	9	7	2350		G7DF			HF MANPACK	QG52xi	WIA	VK4TJ
29000.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
29005.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
29012.5	6	2013	9	7	2350		A3E			ASIAN	QG52xi	WIA	VK4TJ
29015.0	6	2013	9	20	0730		A3E			ASIAN	QG52xi	WIA	VK4TJ
29020.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
29025.0	6	2013	9	1	0050		A3E			ASIAN	QG52xi	WIA	VK4TJ
29031		2013	9	12	<0315>	0315	J7D	?	Unid	PSK 4 tone S5 75 Hz spacing	RF73MC	NZART	ZL1TTG
29040.0	6	2013	9	22	0110		A3E			ASIAN	QG52xi	WIA	VK4TJ
29040.0	3	2013	9	1	0050		J3E/U			ASIAN	QG52xi	WIA	VK4TJ
29045.0	6	2013	9	30	2300		A3E			ASIAN	QG52xi	WIA	VK4TJ
29050.0	8	2013	9	1	0030		F3E			ASIAN	QG52xi	WIA	VK4TJ
29055.0	6	2013	9	30	2300		A3E			ASIAN	QG52xi	WIA	VK4TJ
29062.5	8	2013	9	30	2300		F3E			ASIAN	QG52xi	WIA	VK4TJ
29065.0	6	2013	9	27	0835		A3E			ASIAN	QG52xi	WIA	VK4TJ
29070.0	6	2013	9	7	0110		A3E			ASIAN	QG52xi	WIA	VK4TJ
29075.0	8	2013	9	1	0030		F3E			ASIAN	QG52xi	WIA	VK4TJ
29085.0	6	2013	9	1	0045		A3E			ASIAN	QG52xi	WIA	VK4TJ
29087.5	6	2013	9	7	2345		A3E			ASIAN	QG52xi	WIA	VK4TJ
29100.0	8	2013	9	1	0045		F3E			ASIAN	QG52xi	WIA	VK4TJ
29105.0	6	2013	9	7	2320		A3E			ASIAN	QG52xi	WIA	VK4TJ
29112.5	6	2013	9	15	0055		A3E			ASIAN	QG52xi	WIA	VK4TJ
29115.0	6	2013	9	7	2345		A3E			ASIAN	QG52xi	WIA	VK4TJ
29125.0	8	2013	9	1	0045		F3E			ASIAN	QG52xi	WIA	VK4TJ
29145.0	6	2013	9	14	0040		A3E			ASIAN	QG52xi	WIA	VK4TJ
29150.0	6	2013	9	1	0035		A3E			ASIAN	QG52xi	WIA	VK4TJ
29162.5	6	2013	9	7	2325		A3E			ASIAN	QG52xi	WIA	VK4TJ
29175.0	8	2013	9	1	0035		F3E			ASIAN	QG52xi	WIA	VK4TJ
29187.5	6	2013	9	7	2325		A3E			ASIAN	QG52xi	WIA	VK4TJ

29200.0	6	2013	9	1	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29212.5	6	2013	9	1	0715	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29225.0	6	2013	9	1	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29237.5	6	2013	9	7	0115	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29250.0	6	2013	9	14	0430	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29255.0	6	2013	9	1	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29262.5	6	2013	9	1	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29275.0	6	2013	9	7	2325	F3E			ASIAN	QG52xi	WIA	VK4TJ	
29287.5	6	2013	9	7	2325	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29292.9	3	2013	9	7	2345	J3E/U			ASIAN	QG52xi	WIA	VK4TJ	
29300.0	6	2013	9	1	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
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29315.0	6	2013	9	7	2340	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29315.0	5	2013	9	7	2340	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
29325.0	6	2013	9	1	0040	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29335.0	6	2013	9	27	0835	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29337.5	6	2013	9	7	2325	A3E			ASIAN	QG52xi	WIA	VK4TJ	
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29350		2013	9	22	<0709>	0709	F3E	?	Unid	Non Amateurs S1	RF73MF	NZART	ZL1GWE
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29362.5	6	2013	9	1	0715	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29375.0	6	2013	9	1	0040	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29387.5	6	2013	9	1	0035	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29400.0	6	2013	9	1	0715	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29405.0	5	2013	9	7	0115	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
29412.5	6	2013	9	7	0115	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29415.0	6	2013	9	7	2340	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29425.0	6	2013	9	14	0045	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29425.0	5	2013	9	1	0715	G7DF			HF MANPACK	QG52xi	WIA	VK4TJ	
29437.5	6	2013	9	1	0715	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29450.0	6	2013	9	14	0430	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29462.5	6	2013	9	1	0040	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29475.0	6	2013	9	1	0720	A3E			ASIAN	QG52xi	WIA	VK4TJ	
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29512.5	6	2013	9	7	0120	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29515.0	6	2013	9	1	0035	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29525.0	8	2013	9	1	0720	F3E			ASIAN	QG52xi	WIA	VK4TJ	
29535.0	6	2013	9	7	0120	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29537.5	6	2013	9	1	0035	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29550.0	6	2013	9	7	2330	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29562.5	6	2013	9	14	0435	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29575.0	6	2013	9	1	0720	A3E			ASIAN	QG52xi	WIA	VK4TJ	
29587.5	6	2013	9	7	0225	A3E			ASIAN	QG52xi	WIA	VK4TJ	

29600.0	6	2013	9	7	0225	A3E	ASIAN	QG52xi	WIA	VK4TJ
29605.0	6	2013	9	7	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29612.5	6	2013	9	7	2330	A3E	ASIAN	QG52xi	WIA	VK4TJ
29615.0	6	2013	9	30	2310	A3E	ASIAN	QG52xi	WIA	VK4TJ
29625.0	6	2013	9	1	0040	A3E	ASIAN	QG52xi	WIA	VK4TJ
29637.5	8	2013	9	1	0720	F3E	ASIAN	QG52xi	WIA	VK4TJ
29645.0	6	2013	9	1	0040	A3E	ASIAN	QG52xi	WIA	VK4TJ
29650.0	6	2013	9	7	0120	A3E	ASIAN	QG52xi	WIA	VK4TJ
29662.5	6	2013	9	1	0035	A3E	ASIAN	QG52xi	WIA	VK4TJ
29675.0	8	2013	9	1	0720	F3E	ASIAN	QG52xi	WIA	VK4TJ
29685.0	6	2013	9	28	1020	A3E	ASIAN	QG52xi	WIA	VK4TJ
29687.5	8	2013	9	1	0035	F3E	ASIAN	QG52xi	WIA	VK4TJ
29700.0	8	2013	9	1	0720	F3E	ASIAN	QG52xi	WIA	VK4TJ