



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



November 2013

Peter Young VK3MV

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

This month there were 904 observations of intruders made across the Region as compared to last month number of 960.

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.

Last month I reported increasing signs of OHR back in operation in the lower portion of 40 meters at night time. These have been reported to the Australian Regulatory body who has since written the Administration from where these emissions are occurring. No response has been received to date.

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.

Monitoring reports can also be sent directly to me, if you don't have a national monitoring coordinator.

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

Seasons Greeting and best wishes to you and your families.

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3524.0	3	2013	10	6	1910		J3E/U						ASIAN	QG52xi	WIA	
3553	3	2013	10	8		20:22	J3E						Japanese song wih no call sign		JARL	
3560	3	2013	10	16		21:51	J3E						Japanese song with no call sign		JARL	
3584.0	3	2013	10	6	1910		J1C						DAILY	QG52xi	WIA	
3623.0	3	2013	10	3	1925		J1C						DAILY random number(· · 3ndt n676 536u at5d · ·)	QG52xi	WIA	
3770	0.5	2013	10	27		23:31	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	2		23:17	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	3		20:40	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	5		21:11	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	6		21:57	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	8		20:26	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	12		21:04	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	13		22:32	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	14		20:52	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	16		21:53	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	18		21:55	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	20		19:54	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	22		22:55	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	24		21:01	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	27		23:40	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	28		20:51	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	10	30		23:19	A1A						random number(· · a5dd 5t7d t33d dd3n · ·)		JARL	
3798	0.5	2013	10	30		23:33	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
6970.0	100	2013	10	3	1945		P0N						DAILY, OTHR, CONTINUOUS	QG52xi	WIA	
7000.0	5	2013	10	18	0955		G7DF						HF MANPACK	QG52xi	WIA	

7000.0	3	2013	10	1	0830		J3E/U		INS		DAILY, VILLAGE			
7000		2013	11	DY	HX	HX	J3E/L		?	Unid	RADIO	QG52xi	WIA	
											Non-Hams, mainly	RF72LQ	NZART	ZL2BAD
											Spanish & Indonesian			
											Languages - when			
											OTHR is not on.			
7000		2013	11	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1	RF72LQ	NZART	ZL2BAD
											PSK			
7005.0	3	2013	10	1	0830		J3E/L		INS		DAILY, VILLAGE	QG52xi	WIA	
7008.0	1	2013	10	16	2010		F1B	200			RADIO			
											DAILY,	QG52xi	WIA	
7010.0	3	2013	10	5	1150		J3E/L		INS		CONTINUOUS			
											DAILY, VILLAGE	QG52xi	WIA	
7010.0	3	2013	10	1	0830		J3E/U		INS		RADIO			
											DAILY, VILLAGE	QG52xi	WIA	
7015.0	3	2013	10	1	0830		J3E/U		INS		RADIO	QG52xi	WIA	
7016.0	1	2013	10	18	1940		F1B	250			CONTINUOUS	QG52xi	WIA	
											DAILY, VILLAGE			
7020.0	3	2013	10	2	1150		J3E/L		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7020.0	3	2013	10	15	0940		J3E/U		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7025.0	3	2013	10	1	0825		J3E/L		INS		RADIO	QG52xi	WIA	
											CHINESE			
7029.6	8	2013	10	15	1935		A3E				INSTRUMENTAL			
											MUSIC	QG52xi	WIA	
											DOZENS OF			
											SUBCARRIERS			
7030.0	5	2013	10	19	2035		G7D				ON RANDOM	QG52xi	WIA	
											INTERVALS			
											12			
7030.0	5	2013	10	19	0930		G7D				SUBCARRIERS			
7030.0	5	2013	10	7	1900		G7DF				ON 200 HZ	QG52xi	WIA	
											INTERVALS			
7030.0	3	2013	10	2	1150		J3E/L		INS		HF MANPACK	QG52xi	WIA	
											DAILY, VILLAGE			
7030.0	3	2013	10	14	0950		J3E/U		INS		RADIO	QG52xi	WIA	
7030.0	5	2013		5	1020		G7DF				DAILY, VILLAGE	QG52xi	WIA	
											RADIO			
											HF MANPACK			
											ASIAN,			
7031.7	3	2013	10	5	1920		J3E/U				FISHBOATS,	QG52xi	WIA	
											ENGINE NOISE			
7038.7		2013	10	5	1920		A1A		RUS	D	DAILY, HARBOUR	QG52xi	WIA	
											BEACON			
7038.8		2013	10	14	1940		A1A		RUS	P	DAILY, HARBOUR	QG52xi	WIA	
											BEACON			
7038.9		2013	10	5	1920		A1A		RUS	S	DAILY, HARBOUR	QG52xi	WIA	
											BEACON			
7039		2013	10	10		<2200-2215>	A1A		RUS	"P"	SINGLE LETTER			
											BEACON "P"	MK82	ARSI	

7039	0.5	2013	10	1	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	1	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	1	1624	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	1	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	1	1734	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	1	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	1	1824	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	1	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	2	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	2	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	2	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	2	1734	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	2	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	2	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	3	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	3	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	3	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	3	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	8	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	8	1214	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	9	1020	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	9	1024	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	9	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	9	1604	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	10	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	10	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	11	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	11	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	11	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	11	2248	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	12	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	12	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	12	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	13	1420	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	13	1730	H24	A1A	15	RUS	non	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	13	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	14	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	14	2248	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	15	1026	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	15	1030	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	15	1204	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	15	1206	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	15	1634	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	15	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	15	2246	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	10	16	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	16	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	16	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	16	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	16	2248	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	17	1004	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	10	17	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	17	1706	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	17	1832	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	17	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	18	1006	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	18	1220	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	18	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	18	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	18	2228	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	19	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	19	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	19	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	19	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	19	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	1718	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	20	2210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	21	1016	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	21	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	21	1214	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	21	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	21	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	21	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	1740	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	1920	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	22	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	23	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	23	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	23	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	24	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	24	1910	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	24	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	10	25	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	25	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	25	1930	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	25	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	26	1020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	26	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	26	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	26	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	26	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	27	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	27	1230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	27	1716	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	27	1912	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	27	1916	H24	A1A	37	non	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	27	2244	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1008	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1714	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	28	1816	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	28	1820	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	28	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	29	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	29	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	29	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	29	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	29	2236	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	30	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	30	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	30	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	30	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	30	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	31	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	31	1214	H24	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatsty
7039	0.5	2013	10	31	1604	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	31	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	31	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	10	31	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039		2013	11	DY	<1700>	1700-2035	A1A		RUS	M	Magadan - Beacon M RTS Petropavlovsk - Beacon K RCC Vladivostok - Beacon F RJS Kaliningrad -	RF72LQ	NZART	ZL2BAD
7039		2013	11	DY	<1700>	1700-2035	A1A		RUS	K		RF72LQ	NZART	ZL2BAD
7039		2013	11	DY	<1700>	1700-2035	A1A		RUS	F		RF72LQ	NZART	ZL2BAD
7039		2013	11	DY	<1700>	1700-2035	A1A		RUS	P		RF72LQ	NZART	ZL2BAD

7039.2		2013	10	1	0825	A1A		RUS	K	Beacon P RMP DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2013	10	1	0825	A1A		RUS	M	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2013	11	DY	<1700>	A1A		RUS	S	Severomorsk - Beacon S RIT	RF72LQ	NZART	ZL2BAD
7039.4		2013	11	DY	<1700>	A1A		RUS	C	Moscow - Beacon C RIW	RF72LQ	NZART	ZL2BAD
7039.9		2013	11	DY	<1700>	A1A		RUS	A	Astrakhan (No call sign) A OTHR, CONTINUOUS, SLOW PULSE	RF72LQ	NZART	ZL2BAD
7040.0	20	2013	10	16	1015	P0N				RATE	QG52xi	WIA	
7040.0	5	2013	10	5	1920	G7DF				HF MANPACK	QG52xi	WIA	
7040	0.5	2013	10	2		A1A				train of " M ", " K "		JARL	
7040	3	2013	10	3	1210	H24	PXX	non	non	unkown PXX?	PM97	JARL	non
7040	0.5	2013	10	3		20:42	A1A			train of " M "		JARL	
7040	0.5	2013	10	5		21:12	A1A			train of " M "		JARL	
7040	0.5	2013	10	6		21:58	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	8		20:27	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	12		21:08	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	13		22:33	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	14		20:54	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	15		16:57	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	16		21:55	A1A			train of " M "		JARL	
7040	0.5	2013	10	18		21:57	A1A			train of " M "		JARL	
7040	0.5	2013	10	20		19:57	A1A			train of " M "		JARL	
7040	0.5	2013	10	22		22:57	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	24		21:55	A1A			train of " M "		JARL	
7040	0.5	2013	10	26		18:36	A1A			train of " M ", " K "		JARL	
7040	0.5	2013	10	27		23:44	A1A			train of " M "		JARL	
7040	0.5	2013	10	28		20:54	A1A			train of " M ", " K "		JARL	
7043		2013	11	24	<0855>	0855	XXX	?	Unid	Similar to F1B with carrier	RF72LQ	NZART	ZL2BAD
7043		2013	11	30	<1710>	1710	XXX	?	Unid	Similar to F1B with carrier OTHR, CONTINUOUS, SLOW PULSE	RF72LQ	NZART	ZL2BAD
7050.0	20	2013	10	31	0810	P0N				RATE	QG52xi	WIA	
7050.0	5	2013	10	5	1915	G7DF				HF MANPACK	QG52xi	WIA	
7050.3	3	2013	10	18	1200	J3E/U				ASIAN MUSIC	QG52xi	WIA	
7090.0	20	2013	10	5	1925	VXX				DAILY, CODAR SWEEPS	QG52xi	WIA	
7100.0	3	2013	10	22	1010	J3E/L		INS		MOSLEMS AT PRAYER	QG52xi	WIA	
7100.0	5	2013	10	22	1005	G7DF				HF MANPACK	QG52xi	WIA	

7100.0		2013	10	7	1900		A1A				MIXED NUMBER/LETTER CIPHER. MANY NON-ENGLISH CHARACTERS	QG52xi	WIA	
7100.0	20	2013	10	18	1155		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
7103.5	3	2013	10	7	1900		J3E/U				ASIAN	QG52xi	WIA	
7116	3	2013	10	1	1740	H24	JM	non	non	non	white noise DAILY. 100'S OF SUBCARRIERS ON 50 HZ INTERVALS, DRIFTY	PM97	JARL	non
7118.0	5	2013	10	5	1925		G7D				HF MANPACK	QG52xi	WIA	
7120.0	5	2013	10	4	1930		G7DF				unknown music and talk	PM97	JARL	non
7120	3	2013	10	1	1830	H24	A3E	non	non	non	Hargaysa Somalia S9 -73dbm B-C stn.	RF72LQ	NZART	ZL2BAD
7120		2013	11	DY	<1700>	1700-1845	A3E		SOM	Radio	Hargaysa Somalia S9 _ 20dB BC Station 8 SUBCARRIERS ON 200 HZ INTERVALS	RF80HL	NZART	ZL2iFB
7132.0	5	2013	10	5	1925		G7D				ASIAN, SOUNDS BAHASA	QG52xi	WIA	
7135.0	3	2013	10	26	1955		J3E/U				OTHR Continuous 50 pps S8 -79dbm 8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
7135	125	2013	11	22	<0645>	0645-0710	P0N		?	Unid	OTHR Continuous 50 pps S8 -79dbm 8 SUBCARRIERS ON 200 HZ INTERVALS	RF72LQ	NZART	ZL2BAD
7141.0	5	2013	10	19	2030		G7D				OTHR Continuous 50 pps S8 -79dbm	QG52xi	WIA	
7150	70	2013	11	29	<0705>	0705	P0N		?	Unid	OTHR Continuous 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
7150	70	2013	11	30	<1710>	1710	P0N		?	Unid	OTHR Continuous 50 pps S8 -79dbm 100'S OF SUBCARRIERS ON APPROX 50 HZ INTERVALS	RF72LQ	NZART	ZL2BAD
7171.0	5	2013	10	22	1940		G7D				DAILY, ASIAN	QG52xi	WIA	
7171.0	3	2013		1	0920		J3E/U				CONTINUOUS	QG52xi	WIA	
7176.0	1	2013	10	7	1905		G1D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
7177.0	5	2013	10	14	1945		G7D				MIXED NUMBER/LETTER CIPHER, MANY NON-ENGLISH CHARACTERS	QG52xi	WIA	
7188.0		2013	10	15	1035		A1A				ASIAN. NOT CHINESE. ECHO BOX.	QG52xi	WIA	
7193.5	3	2013	10	5	1925		J3E/U					QG52xi	WIA	

7195.0	8	2013	10	20	1920		A3E				SW BROADCAST DOZENS OF SUBCARRIERS ON 100 HZ INTERVALS	QG52xi	WIA	
7197.0	5	2013	10	15	1235		G7D					QG52xi	WIA	
7200.0		2013	10	14	1945		N0N					QG52xi	WIA	
7200	5	2013	10	1	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	1	2214	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	10	2	2155	H24	A0N	non	CHN	non	no mod	PM97	JARL	non
7200	5	2013	10	2	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	5	2013	10	2	2200	H24	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
											Chinese talk and music			
7200	3	2013	10	2	2200	H24	A1A	non	CHN	non	22:00 UTC Time signal 5+1 on time	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	2	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	3	2228	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	3	2234	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	3	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	8	2232	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	8	2236	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	5	2013	10	8	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	9	2244	H24	A3E	273	CHN	PBS Nei Meng	Beacon	PM97	JARL	Hohhot
7200	3	2013	10	9	2248	H24	A3E	non	CHN	non	Beacon	PM97	JARL	non
7200	5	2013	10	9	2258	H24	A3E	non	CHN	non	Beacon	PM97	JARL	non
7200	5	2013	10	10	2240	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	10	2244	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	10	2258	H24	A3E	non	CHN	non	23:00 UTC Time	PM97	JARL	non

											signal 5+1 on time			
7200	5	2013	10	11	2236	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	11	2240	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	11	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	12	2220	H24	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	10	12	2224	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	Hohhot
7200	1	2013	10	13	2155	H24	A0N	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	13	2158	H24	A3E	non	CHN	non	no mod	PM97	JARL	non
7200	5	2013	10	13	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	13	2200	H24	A3E	non	CHN	non	22:00 UTC Time signal 5+1 2sec late	PM97	JARL	Hohhot
7200	3	2013	10	13	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	14	2238	H24	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	10	14	2242	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	14	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	15	2238	H24	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	3	2013	10	15	2242	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	15	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	15	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	16	2238	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	16	2244	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	16	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non

7200	5	2013	10	17	2232	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	17	2236	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	17	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	18	2218	H24	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 on time Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	18	2224	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	18	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	1	2013	10	19	2155	H24	A0N	non	CHN	non	23:00 UTC Time signal 5+1 on time no mod	PM97	JARL	non
7200	5	2013	10	19	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	19	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	19	2200	H24	A3E	non	CHN	non	22:00 UTC Time signal 5+1 on time Chinese talk and music	PM97	JARL	non
7200	3	2013	10	19	2258	H24	A1A	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	1	2013	10	20	2155	H24	A0N	non	CHN	non	no mod	PM97	JARL	non
7200	5	2013	10	20	2158	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	20	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	20	2200	H24	A3E	non	CHN	non	22:00 UTC Time signal 5+1 ontime Chinese talk and music	PM97	JARL	non
7200	3	2013	10	20	2258	H24	A3E	non	CHN	non	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	21	2212	H24	A3E	273	CHN	PBS Nei Meng	Beacon	PM97	JARL	Hohhot
7200	3	2013	10	21	2216	H24	A3E	non	CHN	non	Beacon	PM97	JARL	non
7200	5	2013	10	22	2236	H24	A3E	273	CHN	PBS Nei Meng	Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	22	2238	H24	A3E	non	CHN	non	Chinese talk and	PM97	JARL	non

											music			
											Chinese talk and music			
7200	3	2013	10	22	2258	H24	A3E	non	CHN	non PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	23	2224	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	23	2228	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	23	2258	H24	A3E	non	CHN	non PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	24	2214	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	24	2218	H24	A3E	non	CHN	non PBS Nei Meng	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	25	2212	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	25	2216	H24	A3E	non	CHN	non PBS Nei Meng	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	26	2212	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	26	2216	H24	A3E	non	CHN	non PBS Nei Meng	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	27	2236	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	27	2240	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	27	2258	H24	A3E	non	CHN	non PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	28	2224	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	28	2226	H24	A3E	non	CHN	non PBS Nei Meng	Chinese talk and music	PM97	JARL	non
7200	5	2013	10	29	2226	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	29	2230	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	29	2258	H24	A3E	non	CHN	non PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	30	2220	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot
7200	3	2013	10	30	2226	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
											Chinese talk and music			
7200	3	2013	10	30	2258	H24	A3E	non	CHN	non PBS Nei Meng	23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7200	5	2013	10	31	2226	H24	A3E	273	CHN		Chinese talk and music	PM97	JARL	Hohhot

7200	3	2013	10	31	2232	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7200	3	2013	10	31	2258	H24	A3E	non	CHN	non	Chinese talk and music	PM97	JARL	non
7201.0	1	2013	10	7	1905		F1B				23:00 UTC Time signal 5+1 on time	PM97	JARL	non
7300.0	20	2013	10	31	0810		P0N				PICCOLO-LIKE	QG52xi	WIA	
10110.0	5	2013	10	23	0950		G7DF				OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA	
10120.0	5	2013	10	7	1930		G7DF				HF MANPACK	QG52xi	WIA	
10125.0	5	2013	10	7	2005		G7DF				HF MANPACK	QG52xi	WIA	
10130.0	50	2013	10	2	2000		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
10140.0	8	2013	10	3	1000		A3E		NKR		SW BROADCAST	QG52xi	WIA	
14000.0	5	2013	10	14	1950		G7DF				HF MANPACK	QG52xi	WIA	
14000.0	3	2013	10	1	0820		J3E/U				DAILY, ASIAN, SOUNDS CHINESE	QG52xi	WIA	
14001.5	3	2013	10	8	1155		J3E/U				ASIAN	QG52xi	WIA	
14002.0	5	2013	10	26	0830		G7D				8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14002.0	3	2013	10	9	0825		J3E/U				ASIAN	QG52xi	WIA	
14005.0	5	2013	10	7	0800		G7DF				HF MANPACK	QG52xi	WIA	
14006.0	3	2013	10	1	0820		J3E/U				ASIAN	QG52xi	WIA	
14008.6	3	2013	10	3	0730		J3E/L				ASIAN	QG52xi	WIA	
14010.0	5	2013	10	7	0750		G7DF				HF MANPACK	QG52xi	WIA	
14010.0	1	2013	10	7	0755		F1B				SELCALL TONES	QG52xi	WIA	
14013		2013	10	16		<0125-0135>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014.0		2013	10	23	0610		A1A			C1OB	MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14014		2013	10	15		<1125-1135>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014		2013	10	22		<0140-0150>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	

14015.0	3	2013	10	12	2025		J3E/U			DAILY, ASIAN	QG52xi	WIA
14015.0	5	2013	10	7	0810		G7DF			HF MANPACK	QG52xi	WIA
										SRI LANKAN		
										FISHING		
										TRAWLERS IN		
										SINHALA		
14015		2013	10	20		<1200-1215>	J3E/U	CLN	UNID	ONLY – 2 OM	MK82	ARSI
14015.1	3	2013	10	12	1200		J3E/U			DAILY, ASIAN	QG52xi	WIA
14015.9	3	2013	10	9	0930		J3E/U			DAILY, ASIAN	QG52xi	WIA
14015.9	3	2013		1	0830		J3E/U			DAILY, ASIAN	QG52xi	WIA
14019.1	3	2013	10	16	0840		J3E/U			ASIAN	QG52xi	WIA
										100'S OF		
										SUBCARRIERS		
14020.0	5	2013	10	16	0840		G7D			ON APPROX 50		
14020.0	5	2013	10	7	0520		G7DF			HZ INTERVALS	QG52xi	WIA
										HF MANPACK	QG52xi	WIA
										SRI LANKAN		
										FISHING		
										TRAWLERS IN		
										SINHALA		
14020		2013	10	20		<0145-0155>	J3E/U	CLN	UNID	ONLY – 2 OM	MK82	ARSI
										ASIAN,		
14022.0	3	2013	10	1	0820		J3E/U			FISHBOATS,	QG52xi	WIA
										ENGINE NOISE		
										SRI LANKAN		
										FISHING		
										TRAWLERS IN		
										SINHALA		
14024		2013	10	23		<0210-0215>	J3E/U	CLN	UNID	ONLY – 2 OM	MK82	ARSI
14024.8	3	2013	10	30	0850		J3E/L			ASIAN	QG52xi	WIA
14025.0	5	2013	10	7	0805		G7DF			HF MANPACK	QG52xi	WIA
										DAILY, 12		
										SUBCARRIERS		
14025.0	5	2013	10	7	0805		G7D			ON 200 HZ		
14030.0	5	2013	10	7	0815		G7DF			INTERVALS	QG52xi	WIA
14033.3	3	2013	10	13	2120		J3E/U			HF MANPACK	QG52xi	WIA
14035.0	5	2013	10	10	0845		G7DF			ASIAN	QG52xi	WIA
14035.7	3	2013	10	10	0850		J3E/U			HF MANPACK	QG52xi	WIA
14040.0	5	2013	10	7	0520		G7DF			DAILY, ASIAN	QG52xi	WIA
										HF MANPACK	QG52xi	WIA
										SRI LANKAN		
										FISHING		
										TRAWLERS IN		
										SINHALA		
14044		2013	10	21		<0125-0135>	J3E/U	CLN	UNID	ONLY – 2 OM	MK82	ARSI
14044.4	1	2013	10	12	0620		F1B	300		BURSTS	QG52xi	WIA

14045	10	2013	11	15	<2240>	2240	P0N	?	Unid	OTHR 6.3 every 30 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD	
14045.6	3	2013	10	10	0950		J3E/U			DAILY, ASIAN	QG52xi	WIA		
14046.0	3	2013	10	9	0820		J3E/U			ASIAN	QG52xi	WIA		
14046.8	3	2013	10	8	2030		J3E/U			DAILY, ASIAN	QG52xi	WIA		
14048.0	3	2013	10	1	0135		J3E/U	PHI		DAILY, TAGALOG	QG52xi	WIA		
14050.0	3	2013	10	9	2145		J3E/U			ASIAN	QG52xi	WIA		
14050.0	5	2013	10	9	0700		G7DF			HF MANPACK	QG52xi	WIA		
14050	10	2013	11	22	<2250>	2250	P0N	?	Unid	OTHR Not Measured S2 - 115dbm	RF72LQ	NZART	ZL2BAD	
14050.6	3	2013	10	16	0700		J3E/L			DAILY, ASIAN 8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA		
14051.0	5	2013	10	24	0720		G7D			ASIAN	QG52xi	WIA		
14051.1	3	2013	10	13	2125		J3E/U			DAILY, ASIAN	QG52xi	WIA		
14053.0	3	2013	10	25	1020		J3E/L			HF MANPACK	QG52xi	WIA		
14055.0	5	2013	10	7	2020		G7DF			DAILY, ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA		
14056.6	3	2013	10	10	0815		J3E/U			ASIAN	QG52xi	WIA		
14057.5	3	2013	10	17	1150		J3E/U			DOZENS OF SUBCARRIERS ON RANDOM INTERVALS	QG52xi	WIA	2ND HARMONIC OF 7030 OBSERVATION?	
14059.0	5	2013	10	19	0850		G7D			12 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA		
14060.0	5	2013	10	7	0515		G7DF			HF MANPACK	QG52xi	WIA		
14060.0	3	2013	10	10	0905		J3E/U			DAILY, ASIAN	QG52xi	WIA		
14064.0	3	2013	10	11	0805		J3E/U			ASIAN	QG52xi	WIA		
14064.4	3	2013	10	2	0955		J3E/L			DAILY, ASIAN	QG52xi	WIA		
14070.0	20	2013	10	30	0850		P0N			OTHR, BURSTS	QG52xi	WIA		
14072		2013	11	11	<0615>	0615-0640	J7D	330	CHN	Unid	Chinese 4+4 DQPSK S4	RF73MF	NZART	ZL1GWE
14074.6	3	2013	10	14	1950		J3E/L			ASIAN	QG52xi	WIA		
14075.0	5	2013	10	19	0855		G7DF			HF MANPACK	QG52xi	WIA		
14095.0	5	2013	10	2	0905		G7DF			HF MANPACK	QG52xi	WIA		
14102		2013	11	24	<0728>	0728	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14104		2013	11	24	<0727>	0727	J7D	330	CHN	Unid	Chinese 4+4 DQPSK S5	RF73MF	NZART	ZL1GWE
14115	10	2013	11	19	<2330>	2330	P0N	?	Unid	Encrypted OTHR 3.8 every 30 secs 70 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD	

14119.0	5	2013	10	11	0810		G7D									8 SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA		
14120.0	5	2013	10	7	0525		G7DF										HF MANPACK	QG52xi	WIA	
14125	10	2013	11	15	<2255>	2255	P0N			?	Unid						OTHR 3.8 every 30 secs 70 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
14125	10	2013	11	22	<2250>	2250	P0N			?	Unid						OTHR Not Measured S2 - 115dbm PLUS G7D 2 SUBCARRIERS, ALTERNATES	RF72LQ	NZART	ZL2BAD
14127.0	3	2013	10	12	2025		F1B	200									OTHR 3.8 every 30 secs 70 pps S5 -97dbm	QG52xi	WIA	
14135	10	2013	11	19	<2330>	2330	P0N			?	Unid						5 SUBCARRIERS ON 200 HZ INTERVALS	RF72LQ	NZART	ZL2BAD
14136.0	3	2013	10	9	0920		G7D										OTHR, BURSTS	QG52xi	WIA	
14140.0	20	2013	10	1	0140		P0N										OTHR 6.3 every 30 secs 50 pps S7 -85dbm	QG52xi	WIA	
14145	10	2013	11	15	<2245>	2245	P0N			?	Unid						8 SUBCARRIERS ON 200 HZ INTERVALS	RF72LQ	NZART	ZL2BAD
14161.0	5	2013	10	24	0715		G7D										CONTINUOUS	QG52xi	WIA	
14169.0	1	2013	10	8	1155		F1B	200									100'S OF SUBCARRIERS ON APPROX 50 HZ INTERVALS	QG52xi	WIA	
14170.0	5	2013	10	8	1150		G7D										OTHR, BURSTS	QG52xi	WIA	
14190.0	20	2013	10	1	0140		P0N										OTHR 3.8 every 30 secs 70 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD
14195	10	2013	11	19	<2325>	2325	P0N			?	Unid						100'S OF SUBCARRIERS ON APPROX 50 HZ INTERVALS			
14203.0	5	2013	10	31	0840		G7D										ASIAN	QG52xi	WIA	
14207.0	3	2013	10	11	0815		J3E/L										ASIAN	QG52xi	WIA	
14215.0	3	2013	10	9	0945		J3E/U										ASIAN	QG52xi	WIA	
14220.0	1	2013	10	23	0650		F1B	500									CONTINUOUS	QG52xi	WIA	
14221.0	1	2013	10	13	2125		F1B	200									CONTINUOUS	QG52xi	WIA	
14230		2013	11	24	<0636>	0636	G7DF		330	?	Unid						HF Man Pack 8PSK S3 ASIAN, FAMILY NET	RF73MF	NZART	ZL1GWE
14231.5	3	2013	10	10	0950		J3E/U										OTHR 6.3 every 30 secs 50 pps S7 -85dbm	QG52xi	WIA	
14235	10	2013	11	15	<2245>	2245-2256	P0N			?	Unid						ASIAN	RF72LQ	NZART	ZL2BAD
14235.2	3	2013	10	11	0815		J3E/L										ASIAN	QG52xi	WIA	
14235.2	3	2013	10	19	0855		J3E/U										ASIAN	QG52xi	WIA	
14239		2013	11	24	<0635>	0635	G7DF		330	?	Unid						HF Man Pack	RF73MF	NZART	ZL1GWE

14250.0	200	2013	10	8	1150		P0N					8PSK S3			
14254		2013	11	13	<0649>	0649	J7D		330	?	Unid	OTHR, CONTINUOUS Chinese 4+4 DQPSK S6 encrypted traffic HF Man Pack 8PSK S2	QG52xi RF73MF	WIA NZART	ZL1GWE
14258		2013	11	24	<0640>	0640	G7DF		330	?	Unid	OFDM 60 tone S5 35 baud NATO or Russian suspected DOZENS OF SUBCARRIERS ON 50 HZ INTERVALS SELCALL TONES OTHR 3.8 every 30 secs 70 pps S7 -85dbm	RF73MF	NZART	ZL1GWE
14261		2013	11	13	<0714>	0714	G7DF	35	330	?	Unid	OTHR 3.8 every 30 secs 70pps S2 -115dbm 8 SUBCARRIERS ON 200 HZ INTERVALS OTHR 2.8 every 30 secs 70 pps S5 -97dbm MIXED NUMBER/LETTER CIPHER, MANY NON-ENGLISH CHARACTERS	RF73MF	NZART	ZL1GWE
14264.0	5	2013	10	9	0935		G7D					ASIAN	QG52xi	WIA	
14265.0	1	2013	10	4	1030		F1B					ASIAN	QG52xi	WIA	
14265	10	2013	11	23	<2315>	2315	P0N			?	Unid	OTHR Not Measured S2 - 115dbm	RF72LQ	NZART	ZL2BAD
14270	10	2013	11	19	<2320>	2320	P0N			?	Unid	OTHR 3.8 every 30 secs 70 pps S5 -97dbm MIXED NUMBER/LETTER CIPHER, MANY NON-ENGLISH CHARACTERS	RF72LQ	NZART	ZL2BAD
14275.0	5	2013	10	5	1205		G7D					ASIAN	QG52xi	WIA	
14275	10	2013	11	23	<2315>	2315	P0N			?	Unid	OTHR 3.8 every 30 secs 70 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD
14278.0		2013	10	10	0955		A1A					ASIAN	QG52xi	WIA	
14298.0	3	2013	10	3	0745		J3E/U					CHINESE	QG52xi	WIA	
14299.0	3	2013	10	10	0955		J3E/L					HF Man Pack 8PSK S2	QG52xi	WIA	
14300.0		2013	10	4	0840		A1A						RF72LQ	NZART	
14300.0	20	2013	10	9	0935		P0N						QG52xi	WIA	
14305	10	2013	11	11	<2345>	2345	P0N			?	Unid	OTHR Not Measured S2 - 115dbm	RF72LQ	NZART	ZL2BAD
14305	10	2013	11	17	<2350>	2350-2359	P0N			?	Unid	OTHR 3.8 every 30 secs 70 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD
14305	10	2013	11	18	<0001>	0001-0006	P0N			?	Unid	OTHR 3.8 every 30 secs 70 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD
14309.9	3	2013	10	10	0910		J3E/U					ASIAN	QG52xi	WIA	
14312.8	3	2013	10	10	0910		J3E/L					CHINESE	QG52xi	WIA	
14316		2013	11	24	<0640>	0640	G7DF		330	?	Unid	HF Man Pack 8PSK S2	RF73MF	NZART	ZL1GWE

14325.0	5	2013	10	21	0730		G7DF				HF MANPACK	QG52xi	WIA		
14330.0	3	2013	10	10	0910		J3E/U				ASIAN	QG52xi	WIA		
14330	10	2013	11	19	<2320>	2320	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps S5 -97dbm	RF72LQ	NZART	ZL2BAD	
14330		2013	11	24	<0633>	0633	G7DF		330	?	Unid	HF Man Pack 8 PSK S3	RF73MF	NZART	ZL1GWE
14334.0	1	2013	10	31	0840		F1B	250			CONTINUOUS	QG52xi	WIA		
14335.0	1	2013	10	5	1205		F1B	500				QG52xi	WIA		
14335.0	5	2013	10	1	0540		G7DF				HF MANPACK DAILY, ASIAN, FAMILY NET	QG52xi	WIA		
14336.0	3	2013	10	2	0910		J3E/U				DOZENS OF SUBCARRIERS ON RANDOM INTERVALS	QG52xi	WIA		
14338.0	5	2013	10	10	0915		G7D				HF MANPACK	QG52xi	WIA		
14340.0	5	2013	10	7	0525		G7DF				CONTINUOUS	QG52xi	WIA		
14342.0	1	2013	10	10	0915		F1B	250			OTHR, BURSTS	QG52xi	WIA		
18050.0	100	2013	10	8	1140		P0N				HF Man Pack 1 PSK	RF72LQ	NZART	ZL2BAD	
18068		2013	11	DY	HX	HX	G7DE/F		?	Unid					
18080.0	20	2013	10	21	0710		P0N				OTHR, BURSTS	QG52xi	WIA		
18080.0	5	2013	10	16	1155		G7DF				HF MANPACK	QG52xi	WIA		
18086.2	3	2013	10	8	1020		J3E/U				ASIAN	QG52xi	WIA		
18091.4	3	2013	10	5	0545		J3E/U				ASIAN	QG52xi	WIA		
18092		2013	11	11	<0557z	0557	A3E		330	CHN	Sound of Hope	RF73MF	NZART	ZL1GWE	
18092.2	8	2013	10	1	0800		A3E				Broadcast Station Sound of Hope S7 Chinese				
18092.5		2013	11	24	<0614>	0614	A3E		330	CHN	Sound of Hope	RF73MF	NZART	ZL1GWE	
18101.0	3	2013	10	2	0905		J3E/U				SOUND OF HOPE (FALUN GONG)	QG52xi	WIA		
18103		2013	11	22	<0645>	0645	F7D		?	Unid	Broadcast Station Sound of Hope S5 Chinese	RF72LQ	NZART	ZL2BAD	
18131.5	1	2013	10	25	0430		F1B	200			ASIAN Idle all chnls	QG52xi	WIA		
18135.0	5	2013	10	25	0430		G7DF				BURSTS	QG52xi	WIA		
18135		2013	11	22	<0330>	0330-0650	F7D		?	Unid	HF MANPACK Multi chnl S8 - 79dbm	RF72LQ	NZART	ZL2BAD	
18135		2013	11	22	<2250>	2250	F7D		?	Unid	Idle - all chnls S8 -79dbm	RF72LQ	NZART	ZL2BAD	
18135		2013	11	23	<0025>	0025	F7D		?	Unid	As above	RF72LQ	NZART	ZL2BAD	
21000.0	3	2013	10	2	0855		J3E/U				ASIAN, NOT SCRAMBLED, SOUNDS CHINESE	QG52xi	WIA		
21000.0	3	2013	10	5	0925		J3E/U				SCRAMBLED, ASSOCIATED WITH F1B ON 21001.5	QG52xi	WIA		
21001.5	1	2013	10	5	0925		F1B	150			CONTINUOUS	QG52xi	WIA		

21004.5	3	2013	10	18	0855		J3E/U				DAILY, ASIAN	QG52xi	WIA	
21005.0	5	2013	10	4	1015		G7DF				HF MANPACK	QG52xi	WIA	
21005.0	3	2013	10	4	1015		J3E/L				DAILY, SPANISH	QG52xi	WIA	
21010.0	5	2013	10	19	0820		G7DF				LANGUAGE	QG52xi	WIA	
21010.0	20	2013	10	18	0845		P0N				HF MANPACK	QG52xi	WIA	
21012.0	3	2013	10	25	0900		J3E/U				OTHR,	QG52xi	WIA	
21015.0	20	2013	10	25	0900		P0N				CONTINUOUS	QG52xi	WIA	
21015.0	5	2013	10	19	0230		G7DF				ASIAN	QG52xi	WIA	
21020.0	5	2013	10	12	2105		G7DF				OTHR,	QG52xi	WIA	
21021.1	3	2013	10	19	0825		J3E/U				CONTINUOUS	QG52xi	WIA	
21025.0	5	2013	10	12	0110		G7DF				HF MANPACK	QG52xi	WIA	
21027.4	3	2013	10	9	0945		J3E/U				ASIAN	QG52xi	WIA	
21032		2013	11	11	<0617>	0617	G7DF	330	?	Unid	HF Man Pack 8- pSK S2	RF73MF	NZART	ZL1GWE
21035.0	5	2013	10	8	1200		G7DF				HF MANPACK	QG52xi	WIA	
21040.0	5	2013	10	29	0925		G7DF				HF MANPACK	QG52xi	WIA	
21045.0	5	2013	10	8	0935		G7DF				HF MANPACK	QG52xi	WIA	
21050.0	5	2013	10	1	0525		G7DF				HF MANPACK	QG52xi	WIA	
21055.0	5	2013	10	29	0930		G7DF				HF MANPACK	QG52xi	WIA	
21055.0	3	2013	10	29	0855		J3E/U				SOUNDS	QG52xi	WIA	
21060.0	5	2013	10	27	1025		G7DF				PORTUGUESE	QG52xi	WIA	
21065.0	5	2013	10	7	0055		G7DF				HF MANPACK	QG52xi	WIA	
21085	10	2013	11	02	<0210>	0210-0300	P0N		?	Unid	HF MANPACK	QG52xi	WIA	
											OTHR Every 30 secs 70 pps S2 - 115dbm	RF72LQ	NZART	ZL2BAD
21085	10	2013	11	25	<0630>	0630	P0N		?	Unid	OTHR every 30 secs S1 -121dbm	RF72LQ	NZART	ZL2BAD
21100.1	3	2013	10	1	0135		J3E/U		INS		BAHASA	QG52xi	WIA	
21105.0	3	2013	10	9	0950		J3E/L				ASIAN	QG52xi	WIA	
21105.9	3	2013	10	29	0900		J3E/U				ASIAN	QG52xi	WIA	
21110.0	3	2013	10	1	0125		J3E/U				ASIAN	QG52xi	WIA	
21110	10	2013	11	15	<0620>	0620-0624	P0N		?	Unid	OTHR 5.3 every 30 secs 50 pps (Jumped to 21350)	RF72LQ	NZART	ZL2BAD
21111.9	3	2013	10	9	0855		J3E/L				ASIAN	QG52xi	WIA	
21113.1	3	2013	10	13	0950		J3E/U				ASIAN	QG52xi	WIA	
21115	10	2013	11	03	<0120>	0120-0645	P0N		?	Unid	OTHR 5.2 every 30 secs 50 pps Very wide side bands S9+ - 63dbm	RF72LQ	NZART	ZL2BAD
21118.9	3	2013	10	18	0900		J3E/U				DAILY, ASIAN	QG52xi	WIA	
21120.0	30	2013	10	25	0420		P0N				OTHR, BURSTS	QG52xi	WIA	
21120	10	2013	11	01	<0120>	0120	P0N		?	Unid	OTHR 3 secs every 30 secs 50 pps Very wide side	RF72LQ	NZART	ZL2BAD

										bands. S9+ - 63dbm				
21120	10	2013	11	29	<0640>	0640	P0N		?	Unid	OTHR 5.3 every 30 secs 50 pps S9 -73dbm	RF72LQ	NZART	ZL2BAD
21125	10	2013	11	11	<2335>	2335-2359	P0N		?	Unid	OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21125	10	2013	11	12	<0001>	0001-0515	P0N		?	Unid	OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21132.3	3	2013	10	2	0900		J3E/U				ASIAN OTHR, CONTINUOUS	QG52xi	WIA	
21140.0	30	2013	10	20	0325		P0N				OTHR 6.3 every 30 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21145	10	2013	11	25	<0505>	0505	P0N		?	Unid	OTHR Every 30 secs 70 pps S2 - 115dbm	RF72LQ	NZART	ZL2BAD
21150	10	2013	11	06	<0120>	0120	P0N		?	Unid	OTHR, BURSTS	RF72LQ	NZART	ZL2BAD
21170.0	20	2013	10	13	0600		P0N				HF MANPACK	QG52xi	WIA	
21175.0	5	2013	10	2	0900		G7DF				ASIAN	QG52xi	WIA	
21178.8	3	2013	10	18	0900		J3E/U				OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21180	10	2013	11	11	<0435>	0435-0620	P0N		?	Unid	SHORT BURSTS SWEEPS, PRECURSOR TO	QG52xi	WIA	
21200.0	1	2013	10	9	0855		F1B	850			OTHR HFSWR 18 secs. 7 pps	RF72LQ	NZART	ZL2BAD
21200.0	20	2013	10	4	1020		VXX				OTHR HFSWR 18 secs 7 pps	RF72LQ	NZART	ZL2BAD
21200	20	2013	11	20	<0002>	0002	P0N		?	Unid	HF MANPACK	QG52xi	WIA	
21205.0	5	2013	10	20	0325		G7DF				OTHR 18 secs on 7 pps HFSWR	RF72LQ	NZART	ZL2BAD
21205	20	2013	11	15	<2055>	2055	P0N		?	Unid	OTHR HFSWR 7 pps 18 secs S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21210	15	2013	11	01	<0001>	0001-0050	P0N		?	Unid	OTHR HFSWR 7 pps 18 secs S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	12	<21`57>	2157-1359	P0N		?	Unid	OTHR HFSWR 7 pps 18 secs S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	13	<0001>	0001-0715	P0N		?	Unid	OTHR HFSWR 7 pps 18 secs S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	15	<2228>	2228	P0N		?	Unid	OTHR HFSWR 18 secs 7 pps	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	24	<2128>	2128	P0N		?	Unid	OTHR HFSWR 18 secs 7 pps	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	25	<0400>	0400	P0N		?	Unid	OTHR	RF72LQ	NZART	ZL2BAD
21210	20	2013	11	29	<2334>	2334	P0N		?	Unid	OTHR HFSWR 7 pps 18 secs S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21225.0	20	2013	10	9	0950		VXX				SWEEPS,	QG52xi	WIA	

21225	10	2013	11	27	<0150>	0150	P0N	?	Unid	PRECURSOR TO OTHR 5.3 every 30 secs 50/100 pps S8 -79dbm SWEEPS, PRECURSOR TO OTHR QG52xi WIA OTHR HFSWR 18 RF72LQ NZART ZL2BAD secs 7 pps
21230.0	20	2013	10	1	0130		VXX			
21230	20	2013	11	12	<2236>	2236	P0N	?	Unid	OTHR HFSWR 18 RF72LQ NZART ZL2BAD secs 7 pps
21230	20	2013	11	18	</0720>	0720	P0N	?	Unid	OTHR HFSWR 18 RF72LQ NZART ZL2BAD secs 7 pps S5 - 97dbm
21230	10	2013	11	19	<2230>	2230	P0N	?	Unid	OTHR 1.6 at variable times 50\100 ppsS6 - 91dbm
21230	20	2013	11	25	<0215>	0215	P0N	?	Unid	OTHR HFSWR 18 RF72LQ NZART ZL2BAD secs 7 pps
21235	15	2013	11	22	<0330>	0330	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps Very wide S9 - 73dbm
21245	10	2013	11	22	<0330>	0330	P0N	?	Unid	OTHR 6.3 every 30 secs 50 pps S7 -85dbm
21245	20	2013	11	24	<2131>	2131	P0N	?	Unid	OTHR HFSWR 18 RF72LQ NZART ZL2BAD secs 7 pps S5 - 97dbm
21250.0	20	2013	10	4	1020		P0N			
21250	20	2013	11	01	<0510>	0510-0515	P0N	AUS	JORN	OTHR, BURSTS, STARTS WITH BEEP QG52xi WIA OTHR Continuous RF72LQ NZART ZL2BAD 50 pps S9 -73dbm
21250	20	2013	11	06	<0123>	0123	P0N	?	Unid	OTHR HFSWR 7 RF72LQ NZART ZL2BAD pps for 18 secs S4 -103dbm
21250	20	2013	11	23	<0408>	0408	P0N	?	Unid	OTHR HFSWR 7 RF72LQ NZART ZL2BAD pps for 18 secs S4 -103dbm
21255	20	2013	11	28	<0326>	0326	P0N	?	Unid	OTHR 18 secs 7 RF72LQ NZART ZL2BAD pps S5 -97dbm
21260.0	20	2013	10	6	0715		P0N			
21260	20	2013	11	12	<0630>	0630	P0N	?	Unid	CONTINUOUS QG52xi WIA OTHR S9 RF81WM NZART ZL2CC
21260	10	2013	11	17	<0635>	0635	P0N	?	Unid	OTHR 6.3 every RF72LQ NZART ZL2BAD 30 secs 50 pps S7 -85dbm
21265	20	2013	11	01	<0505>	0505	P0N	?	Unid	OTHR 18 secs 7 RF72LQ NZART ZL2BAD pps S7 -85dbm
21270.0	5	2013	10	20	0325		G7DF			
21273	10	2013	11	26	<0130>	0130	P0N	?	Unid	HF MANPACK QG52xi WIA OTHR 1.6 at RF72LQ NZART ZL2BAD Variable times - max. 30 secs. S7 -85dbm

21275	10	2013	11	22	<2230>	2230-2305	P0N	?	Unid	OTHR 1.6 at Variable times - max. 30 secs. S7 -85dbm	RF72LQ	NZART	ZL2BAD
21280	20	2013	11	11	<0442>	0442	P0N	?	Unid	OTHR HFSWR 18 secs 7 pps	RF72LQ	NZART	ZL2BAD
21280	20	2013	11	26	<0303>	0303	P0N	?	Unid	OTHR HFSWR 18 secs 7 pps	RF72LQ	NZART	ZL2BAD
21290.0	5	2013	10	3	0830		G7DF			HF MANPACK	QG52xi	WIA	
21290	20	2013	11	29	<0643>	0643	P0N	?	Unid	OTHR HFSWR 18 secs 7 pps S5 - 97dbm	RF72LQ	NZART	ZL2BAD
21295.0	5	2013	10	25	0715		G7DF			HF MANPACK	QG52xi	WIA	
21295.0	20	2013	10	3	0830		P0N			OTHR, BURSTS	QG52xi	WIA	
21295	10	2013	11	13	<0515>	0515	P0N	?	Unid	OTHR 2.7 Variable timing 30pps S6 - 91dbm	RF72LQ	NZART	ZL2BAD
21295	10	2013	11	13	<0140>	0140	P0N	?	Unid	OTHR 1.8 Variable timing 30 pps	RF72LQ	NZART	ZL2BAD
21295	10	2013	11	27	<0200>	0200	P0N	?	Unid	OTHR 1.3 at variable times (Max 30 secs) 50 pps S3 -109dbm	RF72LQ	NZART	ZL2BAD
21305.0	5	2013	10	25	0730		G7DF			HF MANPACK	QG52xi	WIA	
21305	10	2013	11	15	<0350>	0350-0515	P0N	?	Unid	OTHR every 30 secs S7 - 85dbm	RF72LQ	NZART	ZL2BAD
21310.0	5	2013	10	1	0130		G7DF			HF MANPACK	QG52xi	WIA	
21320	20	2013	11	01	<0150>	0150	P0N	?	Unid	OTHR 6.3 every30 secs 50 pps Very wide side bands. S7 -85dbm	RF72LQ	NZART	ZL2BAD
21320	10	2013	11	27	<0150>	0150	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21325.8	3	2013	10	30	0845		J3E/U			ASIAN 8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
21328.0	5	2013	10	30	0840		G7D			OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21330	10	2013	11	04	<0630>	0630	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21330	10	2013	11	05	<0635>	0635	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21335	10	2013	11	17	<0120>	0120	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21335	10	2013	11	26	<0700>	0700-0710	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21345	10	2013	11	03	<0335>	0335-0550	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD

21345	10	2013	11	18	<0624>	0624	P0N	?	Unid	OTHR 5.3 every 25 secs 50 pps S9+ -53dbm (Very wide)	RF72LQ	NZART	ZL2BAD
21350	10	2013	11	15	<0250>	0250-0600	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21355	10	2013	11	29	<0100>	0100	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21360	10	2013	11	26	<0630>	0630	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S9 -73dbm	RF72LQ	NZART	ZL2BAD
21375.0 21380	5 10	2013 2013	10 11	19 05	0835 <0515>	0515-0700	G7DF P0N	?	Unid	HF MANPACK OTHR 5.3 every 30 secs 50 pps S9+ -53dbm Very wide signal	QG52xi RF72LQ	WIA NZART	ZL2BAD
21380	10	2013	11	06	<0035>	0035	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21385	10	2013	11	09	<0635>	0635	P0N	?	Unid	OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21385	10	2013	11	17	<0250>	0250	P0N	?	Unid	OTHR 3.8 every 30 secs 70 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21385	10	2013	11	28	<0115>	0115	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21385	10	2013	11	29	<0410>	0410	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21390.0 21400	6 15	2013 2013	10 11	9 16	0900 <2350>	2350-2359	A3E P0N	?	Unid	ASIAN OTHR 6.3 every 30 secs 50 pps Very wide side bands. S7 -85dbm	QG52xi RF72LQ	WIA NZART	ZL2BAD
21405	20	2013	11	01	<0001>	0001	P0N	?	Unid	OTHR 5.2 every 30 secs 50 pps Very wide side bands S9+ - 63dbm	RF72LQ	NZART	ZL2BAD
21405	20	2013	11	02	<0215>	0215-0227	P0N	?	Unid	OTHR 5.2 every 30 secs 50 pps Very wide side bands S9+ - 63dbm	RF72LQ	NZART	ZL2BAD
21405	10	2013	11	04	<1900>	1900-2359	P0N	?	Unid	OTHR 5.3 every 30 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21410.0 21420	5 10	2013 2013	10 11	19 29	0835 <0700>	0700	G7DF P0N	?	Unid	HF MANPACK OTHR 5.3 every 30 secs 50 pps S9	QG52xi RF72LQ	WIA NZART	ZL2BAD

-73dbm

21425	15	2013	11	19	<0001>	0001-0020	P0N	?	Unid	OTHR 5 closely spaced bursts of 15 secs duration every 15 Mins.	RF72LQ	NZART	ZL2BAD
21425	15	2013	11	19	<0130>	0130-0300	P0N	?	Unid	Wide. S7 -85dbm OTHR 5 burses of 15 secs duration 2 pps every 15 Mins very wide S7 -85dbm	RF72LQ	NZART	ZL2BAD
21425	10	2013	11	26	<2325>	2325	P0N	?	Unid	OTHR 5.3 every 40 secs 50 pps S8 -79dbm	RF72LQ	NZART	ZL2BAD
21430	10	2013	11	10	<2335>	2335	P0N	?	Unid	OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21430	10	2013	11	11	<0500>	0500	P0N	?	Unid	OTHR 5.3 every 35 secs 50 pps S7 -85dbm	RF72LQ	NZART	ZL2BAD
21440.0	20	2013	10	4	1020		P0N			OTHR, CONTINUOUS	QG52xi	WIA	
21445.0	5	2013	10	9	0955		G7DF			HF MANPACK	QG52xi	WIA	
21445	20	2013	11	01	<2325>	2325	P0N	?	Unid	OTHR HFSWR 18 secs 7 pps S5 -97dbm	RF72LQ	NZART	ZL2BAD
21450.0	20	2013	10	13	0655		P0N			OTHR, CONTINUOUS	QG52xi	WIA	
24895.0	5	2013	10	1	1025		G7DF			HF MANPACK	QG52xi	WIA	
24900.0	8	2013	10	1	0120		F3E			ASIAN	QG52xi	WIA	
24900.0	5	2013	10	1	0845		G7DF			HF MANPACK	QG52xi	WIA	
24900		2013	11	DY			G7DE/F	?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL2BAD
24912.5	6	2013	10	1	0120		F3E			ASIAN	QG52xi	WIA	
24915.0	6	2013	10	6	2330		A3E			ASIAN	QG52xi	WIA	
24920.0	20	2013	10	5	0535		P0N			OTHR, BURSTS	QG52xi	WIA	
24925.0	5	2013	10	1	1015		G7DF			HF MANPACK	QG52xi	WIA	
24925.0	8	2013	10	11	0850		F3E			ASIAN	QG52xi	WIA	
24928.5		2013	11	19	<0012>	0012	A1A	RUS	Unid	Russian Military CW 27 WPM Niets	RF80HL	NZART	ZL2iFB
24930.0	6	2013	10	1	0930		A3E			ASIAN	QG52xi	WIA	
24935.0	6	2013	10	30	0835		A3E			ASIAN	QG52xi	WIA	
24937.5	6	2013	10	1	1000		F3E			ASIAN	QG52xi	WIA	
24950.0	6	2013	10	13	0645		A3E			ASIAN	QG52xi	WIA	
24955.0	6	2013	10	2	0855		A3E			ASIAN	QG52xi	WIA	
24962.5	6	2013	10	1	0550		A3E			ASIAN	QG52xi	WIA	
24970.0	50	2013	10	25	0420		P0N			OTHR, CONTINUOUS	QG52xi	WIA	
24975.0	6	2013	10	1	0120		A3E			ASIAN	QG52xi	WIA	
24985.0	6	2013	10	18	0750		A3E			ASIAN	QG52xi	WIA	

24987.5	6	2013	10	1	0120		A3E				ASIAN	QG52xi	WIA		
24990.0	40	2013	10	9	0955		VXX				DAILY, CODAR- LIKE SWEEPS DRIFTNET BEACON,	QG52xi	WIA		
26060.0		2013	10	31	2115		A1A		DC		CHIRPY	QG52xi	WIA		
28000.0	100	2013	10	1	0555		P0N		IRI		IRANIAN OTHR	QG52xi	WIA		
28000.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA		
28000.0	3	2013	10	1	0020		J3E/U		PHI		TAGALOG	QG52xi	WIA		
28000		2013	11	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 6 & 8 PSK	RF72LQ	NZART	ZL2BAD	
28000		2013	11	DY			G7DE		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL2BAD	
28005.0	6	2013	10	1	0115		A3E				ASIAN	QG52xi	WIA		
28005.0	6	2013	10	31	2105		A3E				SPANISH LANGUAGE, ROGER BEEPS DRIFTNET	QG52xi	WIA		
28008.3		2013	10	18	0805		A1A		4ION		BEACON	QG52xi	WIA		
28012.5	6	2013	10	4	0900		A3E				ASIAN	QG52xi	WIA		
28015.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA		
28020.0	5	2013	10	29	0850		G7DF				HF MANPACK	QG52xi	WIA		
28020.0	100	2013	10	23	0200		P0N		IRI		IRANIAN OTHR	QG52xi	WIA		
28025.0	5	2013	10	12	2235		G7DF				HF MANPACK	QG52xi	WIA		
28025.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA		
28030.0	6	2013	10	12	0125		A3E				ASIAN	QG52xi	WIA		
28035.0	100	2013	10	14	0755		P0N		IRI		IRANIAN OTHR	QG52xi	WIA		
28035.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA		
28037.5	6	2013	10	25	0640		A3E				ASIAN	QG52xi	WIA		
28040.0	100	2013	10	25	0210		P0N		IRI		IRANIAN OTHR	QG52xi	WIA		
28040.0	5	2013	10	22	0655		G7DF				HF MANPACK DRIFTNET	QG52xi	WIA		
28040.0		2013	10	19	2345		A1A		5LEG		BEACON	QG52xi	WIA		
28040.1		2013	10	19	0020		A1A		4NAY		DRIFTNET BEACON	QG52xi	WIA		
28050.0	5	2013	10	22	2215		G7DF				HF MANPACK	QG52xi	WIA		
28050.0	100	2013	10	13	1215		P0N		IRI		IRANIAN OTHR	QG52xi	WIA		
28050.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA		
28051.5	61	2013	11	11	<0630>	0630	P0N		330	?	Unid	OTHIR Iranian 308 pps S4	RF73MF	NZART	ZL1GWE
28055.0	5	2013	10	25	0825		G7DF				HF MANPACK	QG52xi	WIA		
28055.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA		
28060.0	1	2013	10	31	2055		F1B	350			& 250 HZ SHIFTS, BURSTS. WAVE RIDER?	QG52xi	WIA		
28060.0	5	2013	10	25	0835		G7DF				HF MANPACK	QG52xi	WIA		
28060.0	100	2013	10	13	0230		P0N		IRI		IRANIAN OTHR DRIFTNET BEACON,	QG52xi	WIA		
28061.0		2013	10	26	0020		A1A		CPS		CHIRPY	QG52xi	WIA		

28062.5	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28065.0	6	2013	10	1	0115		A3E				ASIAN	QG52xi	WIA	
28070.0	20	2013	10	30	0855		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
28070.0	100	2013	10	22	0735		P0N		IRI		IRANIAN OTHR	QG52xi	WIA	
28075.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA	
28085.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28087.5	6	2013	10	25	0640		A3E				ASIAN	QG52xi	WIA	
28095.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28100.0	6	2013	10	1	0115		A3E				ASIAN	QG52xi	WIA	
28105.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28112.5	6	2013	10	1	0930		A3E				ASIAN	QG52xi	WIA	
28115.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28125.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA	
28125.5	57	2013	11	11	<0625>	0625	P0N	330	IRN	Unid	OTHR Iranian 308 pps S1 SPANISH LANGUAGE	RF73MF	NZART	ZL1GWE
28135.0	6	2013	10	31	2110		A3E				ASIAN	QG52xi	WIA	
28135.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28137.5	8	2013	10	9	0955		F3E				ASIAN	QG52xi	WIA	
28145.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28150.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28155.0	6	2013	10	1	0300		A3E				ASIAN	QG52xi	WIA	
28162.5	6	2013	10	12	0755		A3E				ASIAN	QG52xi	WIA	
28165.0	6	2013	10	1	0020		A3E				ASIAN	QG52xi	WIA	
28175.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA	
28178		2013	11	11	<0629>	0629	G7DF	330	?	Unid	HF Man Pack S2 8-PSK	RF73Mf	NZART	ZL1GWE
28185.0	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA	
28187.5	8	2013	10	1	0020		F3E				ASIAN	QG52xi	WIA	
28190.0	5	2013	10	25	0400		G7DF				HF MANPACK	QG52xi	WIA	
28195.0	6	2013	10	1	0025		A3E				ASIAN	QG52xi	WIA	
28200.0	8	2013	10	1	0025		F3E				ASIAN	QG52xi	WIA	
28203		2013	11	11	<0603>	0603	G7DF	330	?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
28205.0	6	2013	10	1	0025		A3E				ASIAN	QG52xi	WIA	
28207.8	3	2013	10	23	0500		J3E/L				ASIAN, FAMILY NET	QG52xi	WIA	
28212.5	6	2013	10	1	0025		A3E				ASIAN	QG52xi	WIA	
28215.0	6	2013	10	1	0115		A3E				ASIAN	QG52xi	WIA	
28225.0	8	2013	10	1	0025		F3E				ASIAN	QG52xi	WIA	
28225		2013	11	11	<0621>	0621	A3E	330	CHN	Unid	Non Amateurs AM S4	RF73MF	NZART	ZL1GWE
28235.0	6	2013	10	2	0840		A3E				ASIAN	QG52xi	WIA	
28237.5	6	2013	10	1	0115		A3E				ASIAN	QG52xi	WIA	
28245.0	6	2013	10	1	0025		A3E				ASIAN	QG52xi	WIA	
28250.0	8	2013	10	1	0025		F3E				ASIAN	QG52xi	WIA	

28250.0	100	2013	10	1	0300	P0N		IRI	OTHR	QG52xi	WIA	
28250.0	5	2013	10	1	0025	G7DF			HF MANPACK	QG52xi	WIA	
28255.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28260.0	6	2013	10	1	0115	A3E			ASIAN	QG52xi	WIA	
28262.5	6	2013	10	1	0300	A3E			ASIAN	QG52xi	WIA	
28265.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28265.0	6	2013	10	20	0335	A3E			ASIAN	QG52xi	WIA	
28270.0	5	2013	10	26	0400	G7DF			HF MANPACK	QG52xi	WIA	
28275.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28280.0	6	2013	10	29	0720	A3E			ASIAN	QG52xi	WIA	
28285.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28287.5	6	2013	10	1	0555	A3E			ASIAN	QG52xi	WIA	
28289.5	11	2013	11	13	<0641>	P0N	0641	330 ? Unid	OTHR 26 pps S5 suspect Cyprus continuous	RF73MF	NZART	ZL1GWE
28295.0	8	2013	10	1	0110	F3E			ASIAN	QG52xi	WIA	
28300.0	100	2013	10	12	0800	P0N		IRI	OTHR	QG52xi	WIA	
28300.0	8	2013	10	1	0025	F3E			ASIAN	QG52xi	WIA	
28305.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28312.5	6	2013	10	1	0300	A3E			ASIAN	QG52xi	WIA	
28315.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28320.0	100	2013	10	29	0725	P0N		IRI	OTHR	QG52xi	WIA	
28325.0	8	2013	10	1	0025	F3E			ASIAN	QG52xi	WIA	
28335.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28337.5	6	2013	10	2	0840	A3E			ASIAN	QG52xi	WIA	
28340.0	100	2013	10	5	0335	P0N		IRI	OTHR	QG52xi	WIA	
28340.0	6	2013	10	11	2340	A3E			ASIAN	QG52xi	WIA	
28345.0	6	2013	10	29	0725	A3E			ASIAN	QG52xi	WIA	
28350.0	8	2013	10	1	0110	F3E			ASIAN	QG52xi	WIA	
28355.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28362.5	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28365.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28375.0	8	2013	10	1	0025	F3E			ASIAN	QG52xi	WIA	
28380.0	100	2013	10	5	0315	P0N		IRI	OTHR	QG52xi	WIA	
28385.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28387.5	6	2013	10	1	0100	A3E			ASIAN	QG52xi	WIA	
28395.0	6	2013	10	9	1000	A3E			ASIAN	QG52xi	WIA	
28400.0	5	2013	10	12	0825	G7DF			HF MANPACK	QG52xi	WIA	
28400.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28405.0	6	2013	10	1	0110	A3E			ASIAN	QG52xi	WIA	
28412.5	6	2013	10	5	0310	A3E			ASIAN	QG52xi	WIA	
28415.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	
28425.0	8	2013	10	1	0025	F3E			ASIAN	QG52xi	WIA	
28430.0	100	2013	10	5	0315	P0N		IRI	OTHR	QG52xi	WIA	
28435.0	6	2013	10	1	0025	A3E			ASIAN	QG52xi	WIA	

28437	52	2013	11	11	<0634>	0634	P0N	330	IRN	Unid	OTHR Iranian S2 308 pps	Rf73MF	NZART	ZL1GWE
28437.5	8	2013	10	5	0310		F3E				ASIAN	QG52xi	WIA	
28450.0	8	2013	10	1	0030		F3E				ASIAN	QG52xi	WIA	
28455.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28462.5	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28465.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28475.0	8	2013	10	1	0030		F3E				ASIAN	QG52xi	WIA	
28485.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28487.5	6	2013	10	18	0815		A3E				ASIAN	QG52xi	WIA	
28500.0	6	2013	10	1	0305		A3E				ASIAN	QG52xi	WIA	
28505.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28512.5	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28515.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28525.0	6	2013	10	1	0030		F3E				ASIAN	QG52xi	WIA	
28535.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28537.5	6	2013	10	13	0640		A3E				ASIAN	QG52xi	WIA	
28540.0	6	2013	10	1	0110		A3E				ASIAN	QG52xi	WIA	
28545.0	6	2013	10	20	0340		A3E				ASIAN	QG52xi	WIA	
28550.0	8	2013	10	1	0305		F3E				ASIAN	QG52xi	WIA	
28555.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28560.0	6	2013	10	1	0600		A3E				ASIAN	QG52xi	WIA	
28565.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28575.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28585.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28587.5	6	2013	10	9	1000		A3E				ASIAN	QG52xi	WIA	
28595.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28600.0	6	2013	10	1	0110		A3E				ASIAN	QG52xi	WIA	
28605.0	6	2013	10	1	0030		G7DF				HF MANPACK	QG52xi	WIA	
28605.0	6	2013	10	2	0835		A3E				ASIAN	QG52xi	WIA	
28612.5	6	2013	10	25	0645		A3E				ASIAN	QG52xi	WIA	
28615.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28620.0	6	2013	10	11	2345		A3E				ASIAN	QG52xi	WIA	
28625.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28635.0	6	2013	10	6	2300		A3E				ASIAN	QG52xi	WIA	
28635.0	6	2013	10	1	0110		G7DF				HF MANPACK	QG52xi	WIA	
28637.5	6	2013	10	1	0110		A3E				ASIAN	QG52xi	WIA	
28645.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28650.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28655.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28662.5	6	2013	10	25	0650		A3E				ASIAN	QG52xi	WIA	
28665.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28675.0	6	2013	10	1	0030		A3E				ASIAN	QG52xi	WIA	
28685.0	6	2013	10	1	0105		A3E				ASIAN	QG52xi	WIA	
28687.5	8	2013	10	1	0030		F3E				ASIAN	QG52xi	WIA	

28695.0	6	2013	10	1	0030	A3E	ASIAN	QG52xi	WIA
28695.0	6	2013	10	1	0105	G7DF	HF MANPACK	QG52xi	WIA
28700.0	6	2013	10	1	0030	A3E	ASIAN	QG52xi	WIA
28705.0	6	2013	10	1	0030	A3E	ASIAN	QG52xi	WIA
28712.5	6	2013	10	1	0105	A3E	ASIAN	QG52xi	WIA
28715.0	6	2013	10	1	0030	A3E	ASIAN	QG52xi	WIA
28725.0	8	2013	10	1	0030	F3E	ASIAN	QG52xi	WIA
28730.0	6	2013	10	11	2345	A3E	ASIAN	QG52xi	WIA
28735.0	6	2013	10	1	0105	A3E	ASIAN	QG52xi	WIA
28737.5	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
28740.0	6	2013	10	9	1000	A3E	ASIAN	QG52xi	WIA
28745.0	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
28750.0	8	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28755.0	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
28760.0	6	2013	10	11	2345	A3E	ASIAN	QG52xi	WIA
28762.5	6	2013	10	13	0635	A3E	ASIAN	QG52xi	WIA
28765.0	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
28775.0	8	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28785.0	6	2013	10	2	0830	A3E	ASIAN	QG52xi	WIA
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28837.5	8	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28845.0	6	2013	10	2	0830	G7DF	HF MANPACK	QG52xi	WIA
28850.0	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
28862.5	8	2013	10	1	0105	F3E	ASIAN	QG52xi	WIA
28865.0	6	2013	10	9	1005	A3E	ASIAN	QG52xi	WIA
28875.0	8	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28885.0	6	2013	10	9	0840	A3E	ASIAN	QG52xi	WIA
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28915.0	6	2013	10	1	0310	A3E	ASIAN	QG52xi	WIA
28925.0	6	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28935.0	6	2013	10	9	1005	A3E	ASIAN	QG52xi	WIA
28937.5	6	2013	10	1	0035	F3E	ASIAN	QG52xi	WIA
28945.0	6	2013	10	1	0035	A3E	ASIAN	QG52xi	WIA
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28955.0	6	2013	10	11	2345	A3E	ASIAN	QG52xi	WIA
28962.5	6	2013	10	1	0100	A3E	ASIAN	QG52xi	WIA
28965.0	6	2013	10	1	0105	G7DF	HF MANPACK	QG52xi	WIA

28975.0	6	2013	10	1	0035	A3E		ASIAN	QG52xi	WIA
28985.0	6	2013	10	1	0035	A3E		ASIAN	QG52xi	WIA
28987.5	6	2013	10	18	0825	A3E		ASIAN	QG52xi	WIA
28990.0	6	2013	10	23	0505	A3E		ASIAN	QG52xi	WIA
29000.0	6	2013	10	1	0035	A3E		ASIAN	QG52xi	WIA
29005.0	6	2013	10	1	0100	A3E		ASIAN	QG52xi	WIA
29012.5	6	2013	10	1	0945	A3E		ASIAN	QG52xi	WIA
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29050.0	100	2013	10	27	0910	P0N	IRI	OTHR	QG52xi	WIA
29050.0	8	2013	10	1	0035	F3E		ASIAN	QG52xi	WIA
29062.5	8	2013	10	1	0100	F3E		ASIAN	QG52xi	WIA
29065.0	6	2013	10	1	0035	A3E		ASIAN	QG52xi	WIA
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29087.5	6	2013	10	1	0310	A3E		ASIAN	QG52xi	WIA
29100.0	8	2013	10	1	0035	F3E		ASIAN	QG52xi	WIA
29105.0	6	2013	10	29	0730	A3E		ASIAN	QG52xi	WIA
29112.5	6	2013	10	1	0945	A3E		ASIAN	QG52xi	WIA
29125.0	8	2013	10	1	0100	F3E		ASIAN	QG52xi	WIA
29135.0	6	2013	10	23	0510	A3E		ASIAN	QG52xi	WIA
29137.5	6	2013	10	9	0845	A3E		ASIAN	QG52xi	WIA
29145.0	6	2013	10	1	0100	A3E		ASIAN	QG52xi	WIA
29150.0	6	2013	10	1	0310	A3E		ASIAN	QG52xi	WIA
29162.5	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
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29187.5	6	2013	10	1	0945	A3E		ASIAN	QG52xi	WIA
29190.0	5	2013	10	6	2305	G7DF		HF MANPACK	QG52xi	WIA
29200.0	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
29212.5	6	2013	10	1	0100	A3E		ASIAN	QG52xi	WIA
29225.0	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
29237.5	6	2013	10	1	0100	A3E		ASIAN	QG52xi	WIA
29250.0	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
29255.0	6	2013	10	6	2305	A3E		ASIAN	QG52xi	WIA
29262.5	6	2013	10	1	0315	A3E		ASIAN	QG52xi	WIA
29272.0		2013	10	9	1010	A1A	IF0	DRIFTNET BEACON	QG52xi	WIA
29275.0	6	2013	10	1	0040	F3E		ASIAN	QG52xi	WIA
29287.5	6	2013	10	1	0055	A3E		ASIAN	QG52xi	WIA
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29305.0	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
29312.5	6	2013	10	6	2305	A3E		ASIAN	QG52xi	WIA
29325.0	6	2013	10	1	0040	A3E		ASIAN	QG52xi	WIA
29337.5	6	2013	10	2	0820	A3E		ASIAN	QG52xi	WIA

29350.0	6	2013	10	1	0055	A3E	ASIAN	QG52xi	WIA
29362.5	6	2013	10	1	0055	A3E	ASIAN	QG52xi	WIA
29375.0	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29387.5	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29400.0	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29405.0	5	2013	10	11	1000	A3E	ASIAN	QG52xi	WIA
29412.5	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29415.0	6	2013	10	2	0820	A3E	ASIAN	QG52xi	WIA
29425.0	6	2013	10	1	0605	A3E	ASIAN	QG52xi	WIA
29437.5	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29445.0	6	2013	10	13	0630	A3E	ASIAN	QG52xi	WIA
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29455.0	6	2013	10	9	0845	A3E	ASIAN	QG52xi	WIA
29462.5	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
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29515.0	6	2013	10	1	0055	A3E	ASIAN	QG52xi	WIA
29525.0	8	2013	10	1	0040	F3E	ASIAN	QG52xi	WIA
29537.5	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29550.0	6	2013	10	1	0040	A3E	ASIAN	QG52xi	WIA
29555.5	3	2013	10	1	0050	J3E/U	ASIAN	QG52xi	WIA
29562.5	6	2013	10	1	0050	A3E	ASIAN	QG52xi	WIA
29575.0	6	2013	10	1	0045	A3E	ASIAN	QG52xi	WIA
29587.5	6	2013	10	2	0815	A3E	ASIAN	QG52xi	WIA
29600.0	6	2013	10	1	0045	A3E	ASIAN	QG52xi	WIA
29612.5	6	2013	10	1	0045	A3E	ASIAN	QG52xi	WIA
29615.0	6	2013	10	1	0050	A3E	ASIAN	QG52xi	WIA
29625.0	6	2013	10	1	0050	A3E	ASIAN	QG52xi	WIA
29637.5	8	2013	10	1	0050	F3E	ASIAN	QG52xi	WIA
29645.0	6	2013	10	9	1015	A3E	ASIAN	QG52xi	WIA
29650.0	6	2013	10	1	0045	A3E	ASIAN	QG52xi	WIA
29662.5	6	2013	10	1	0045	A3E	ASIAN	QG52xi	WIA
29675.0	8	2013	10	1	0045	F3E	ASIAN	QG52xi	WIA
29680.0	20	2013	10	29	0735	P0N	OTHR, CONTINUOUS	QG52xi	WIA
29687.5	8	2013	10	1	0045	F3E	ASIAN	QG52xi	WIA
29700.0	8	2013	10	1	0045	F3E	ASIAN	QG52xi	WIA