



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



February 2013

Peter Young VK3MV

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

This month there were 843 observations made across the Region, as compared to last month of 876.

Last month I reported that there were indications that the Radio Burma operations on 7110 kHz have ceased. ARSI reported this month that this station is still operation running a domestic service. This station(s) may be running reduced power as no other reports were received. R3 has not removed this intruder from our watch lists. Any further updates/ reports appreciated.

R1 reports an OHR is operational on 10 meters. Only one report has been received to date in R3.

A number OHR have been logged on 15 meters the month operating in the higher portion of the band. Some of these have been operating in a sequence of two to three frequencies. These have been reported to regulatory authorities.

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

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

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

Peter – VK3MV

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3520.0	3	2013	2	2	1745		J3E/U						ASIAN	QG52xi	WIA	VK4TJ
3553	3	2013	2	23		17:50	J3E						Japanese song with no call		JARL	
3560.0		2013	2	16	1940		A1A						MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
3560.0	5	2013	2	6	1830		G7DF						HF MANPACK	QG52xi	WIA	
3568.0	1	2013	2	2	1745		F1B		500				200 HZ ALSO	QG52xi	WIA	
3584.0	3	2013	2	2	1740		J1C						SEEN	QG52xi	WIA	
													DAILY	QG52xi	WIA	
3602	3	2013	02	23		17:52	J3E						Japanese song with no call		JARL	
3623.0	3	2013	2	2	1740		J1C						DAILY	QG52xi	WIA	
3642.0		2013	2	9	1920		A1A					3A7D	DAILY	QG52xi	WIA	
													MANY SUBCARRIERS			
3643.0	5	2013	2	16	1930		G7D						ON APPROX 33 HZ INTERVALS	QG52xi	WIA	
3650.0	5	2013	2	3	1000		G7DF						HF MANPACK	QG52xi	WIA	
3680.0	40	2013	2	16	1920		P0N						OTHR, CONTINUOUS	QG52xi	WIA	
													8 SUBCARRIERS			
3694.0	5	2013	2	16	1930		G7D						ON 200 HZ INTERVALS	QG52xi	WIA	
3707.0	1	2013	2	16	1925		F1B		250					QG52xi	WIA	
													NUMBER CIPHER. BAD			
3784.0	1	2013	2	6	1820		A1A						HUM & CHIRP	QG52xi	WIA	
3789.7	1	2013	2	9	1920		F1B		500				CONTINUOUS	QG52xi	WIA	
3797.0		2013	2	1	1950		A1A					DRV8	H2FL DE DRV8	QG52xi	WIA	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	04		22:56	A1A						drvz drvz V		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	06		19:38	A1A						drvz drvz V		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	07		21:02	A1A						drvz drvz V		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	08		22:34	A1A						drvz drvz V		JARL	
3798	0.5	2013	02	09		19:58	A1A						h2fl h2fl h2fl de		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	11		22:36	A1A						drvz drvz drvz		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	12		19:30	A1A						drvz drvz drvz		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	13		21:39	A1A						drvz drvz drvz		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	14		20:18	A1A						drvz drvz drvz		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	19		19:14	A1A						drvz drvz drvz		JARL	
													h2fl h2fl h2fl de			
3798	0.5	2013	02	20		21:30	A1A						drvz drvz drvz		JARL	

3798	0.5	2013	02	22		21:45	A1A				h2fl h2fl h2fl de		JARL	
3803	0.5	2013	02	04		22:58	A1A				drvz drvz drvz		JARL	
3804	0.5	2013	02	07		21:05	A1A				random number		JARL	
3885.0	5	2013	2	20	2030		G7DF				random number		JARL	
											HF MANPACK	QG52xi	WIA	
											DAILY, OTHR,			
											SPILLS INTO			
6930.0	200	2013	2	1	1945		P0N				AMATEUR BAND	QG52xi	WIA	
7000.0	5	2013	2	20	2100		G7DF				HF MANPACK	QG52xi	WIA	
											SWEETING			
7000.0	4	2013	2	6	1835		G1D				CARRIERS	QG52xi	WIA	
											DAILY, VILLAGE			
7000.0	3	2013	2	2	1000		J3E/U		INS		RADIO	QG52xi	WIA	
7000	3.3	2013	02	09	<1315>	1315	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7000	3.3	2013	02	11	<1640>	1640	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7000		2013	02	16	<1535>	1535	J3E/L		?	Unid	Non-amateurs	RF72LQ	NZART	ZL1BAD
											DAILY, VILLAGE			
7005.0	3	2013	2	3	1020		J3E/L		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7005.0	3	2013	2	13	1010		J3E/U		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7010.0	3	2013	2	6	0825		J3E/U		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7010.0	3	2013	2	2	1755		J3E/L		INS		RADIO	QG52xi	WIA	
7014.0	1	2013	2	2	1000		F1B	200			DAILY	QG52xi	WIA	
7015.0	5	2013	2	20	0950		G7DF				HF MANPACK	QG52xi	WIA	
											DAILY, VILLAGE			
7015.0	3	2013	2	5	0935		J3E/L		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7015.0	3	2013	2	6	0830		J3E/U		INS		RADIO	QG52xi	WIA	
7018.0		2013	2	1	1950		N0N					QG52xi	WIA	
7020.0	5	2013	2	5	0935		G7DF				HF MANPACK	QG52xi	WIA	
											DAILY, VILLAGE			
7020.0	3	2013	2	3	1020		J3E/L		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7020.0	3	2013	2	5	0935		J3E/U		INS		RADIO	QG52xi	WIA	
											ASIAN, SOUNDS			
7025.0	3	2013	2	6	0840		J3E/U				CHINESE	QG52xi	WIA	
7027		2013	02	22	<1805>	1805	F1B	250	?	Unid	Idling only	RF72LQ	NZART	ZL1BAD
7030.0	5	2013	2	6	0900		G7DF				HF MANPACK	QG52xi	WIA	
											MANY			
											SWEETING			
7030.0	5	2013	2	2	1800		G7D				SUBCARRIERS	QG52xi	WIA	
											DAILY, VILLAGE			
7030.0	3	2013	2	2	1000		J3E/L		INS		RADIO	QG52xi	WIA	
											DAILY, VILLAGE			
7030.0	3	2013	2	5	0940		J3E/U		INS		RADIO	QG52xi	WIA	
											SINGLE LETTER			
7038.5		2013	02	02	<0001-0010>		A1A		UNID	"D"	BEACON "D"	MK82	ARSI	
											DAILY, HARBOUR			
7038.7		2013	2	1	1945		A1A		RU	D	BEACON	QG52xi	WIA	
7038.8		2013	2	6	1840		A1A		RU	P	DAILY, HARBOUR	QG52xi	WIA	

											BEACON			
7039	0.5	2013	02	01	1230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	01	1640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	01	1644	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	01	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	01	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	01	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	02	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	02	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	02	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
											unknown music			
7039	0.5	2013	02	02	1624	H24	A1A	37	RUS	K--siganl	and talk	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	02	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	02	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	02	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	02	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	02	2250	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	03	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	03	1614	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	03	1618	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	03	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.50	2013	02	03	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	03	1840	H24	A1A	15	CHN	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	03	1844	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	03	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	04	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	04	1224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	04	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	04	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	04	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	04	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	04	2236	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	05	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	05	1224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	05	1606	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	05	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	05	1920	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	05	1924	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	05	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	06	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	06	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	06	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	06	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	06	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	06	1836	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	02	06	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	06	2224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	07	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	07	1640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	07	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	07	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	08	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	08	1214	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	08	1716	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	08	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	08	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	08	1838	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	08	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	09	1204	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	09	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	09	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	09	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	09	1726	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	09	1838	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	09	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	10	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	10	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	10	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	10	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	10	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	11	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	11	1630	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	11	1634	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	11	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	11	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	11	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	11	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	12	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	12	1630	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	12	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	12	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	12	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	12	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	12	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	13	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	13	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	13	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	13	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	M3
7039	0.5	2013	02	13	1846	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	13	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	02	14	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	14	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	14	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	14	1706	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	14	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	14	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	14	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	14	2218	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	14	2220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	15	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	15	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	15	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	15	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	15	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	15	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	15	1838	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	15	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	16	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	16	1216	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	16	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	16	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	16	1806	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	16	2230	H24	A1A	15	RUS	M--signal	Chinese Talk and Music	PM97	JARL	Magadan
7039	0.5	2013	02	17	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	17	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	17	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	17	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	17	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	17	1824	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	17	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	17	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	18	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	18	1612	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	18	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	18	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	18	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	18	2228	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	19	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	19	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	19	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	19	1822	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	19	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	20	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	20	1212	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	02	20	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	20	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	20	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	20	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	21	1240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	21	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	21	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	21	1848	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	21	1850	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	21	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	22	1230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	22	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	22	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	22	1846	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	22	1850	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	22	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	23	1212	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	23	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	23	1850	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	23	1930	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	23	2228	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	24	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	24	1224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	24	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	24	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	24	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	24	1844	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	24	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	25	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	25	1214	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	25	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	25	1624	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	25	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	25	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	25	1836	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	25	1838	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	25	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	26	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	26	1216	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	26	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	26	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	26	1740	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	26	1742	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	26	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	26	1832	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	02	26	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	27	1220	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	27	1610	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	27	1706	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	27	1840	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	27	1844	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	27	2250	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	28	1210	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	28	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	02	28	1620	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	28	1710	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	02	28	1840	H24	A1A	37	RUS	K--signa	Beacon	PM97	JARL	Kamchatskiy
7039		2013	02	DY	<0330>	0330-2200	A1A		RUS	C	Moscow - Beacon C Callsign RIW Astrakhan (No call sign)	RF72LQ	NZART	ZL1BAD
7039		2013	02	DY	<0330>	0330-2200	A1A		RUS	A	Vladivostok - Beacon F Callsign RJS	RF72LQ	NZART	ZL1BAD
7039		2013	02	DY	<0330>	0330-2200	A1A		RUS	F	Kaliningrad - Beacon P Callsign RMP	RF72LQ	NZART	ZL1BAD
7039.2		2013	2	1	1945		A1A		RU	K	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2013	02	DY	<0330>	0330-2200	A1A		RUS	K	Petropavlovsk - Beacon K Callsign RCC	RF72LQ	NZART	ZL1BAD
7039.4		2013	02	DY	<0330>	0330-2200	A1A		RUS	M	Magadan - Beacon M Callsign RTS	RF72LQ	NZART	ZL1BAD
7039.5		2013	2	1	1945		A1A		RU	M	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.9		2013	02	DY	<0330>	0330-2200	A1A		RUS	S	Severomorsk - Beacon S Callsign RIT	RF72LQ	NZART	ZL1BAD
7040	0.5	2013	02	04	22:59		A1A				train of " M "		JARL	
7040	0.5	2013	02	06	19:41		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	07	21:06		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	08	22:35		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	11	22:39		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	12	19:34		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	13	21:41		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	14	20:20		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	19	19:17		A1A				train of " K "		JARL	
7040	0.5	2013	02	20	21:34		A1A				train of " M ", " K "		JARL	
7040	0.5	2013	02	22	21:47		A1A				train of " K ", " M "		JARL	
7040	0.5	2013	02	23	17:57		A1A				train of " K "		JARL	
7050	+100	2013	02	18	<1345>	1345	P0N		?	Unid	OTHR Out of band spreading to 7050	RF72LQ	NZART	ZL1BAD

											10 SUBCARRIERS ON 200 HZ INTERVALS			
7065.0	5	2013	2	13	1000		G7D					QG52xi	WIA	
7090.7		2013	2	20	2050		N0N					QG52xi	WIA	
											MIXED NUMBER/LETTER CIPHER			
7096.0		2013	2	8	1125		A1A					QG52xi	WIA	
7100.0 7102	3	2013	2	7	1000		J3E/L	INS				DAILY, VILLAGE RADIO	QG52xi	WIA
											ALE Transmission S7 Indonesian? Chinese Talk and Music	RF82CG	NZART	ZL1VT
7105	5	2013	02	01	2214 H24		A3E	273	CHN	4034 PBS Nei Meng		PM97	JARL	Hohhot
7105	3	2013	02	01	2218 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	02	2240 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	02	2246 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	02	2258 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	5	2013	02	03	2220 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	03	2226 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	04	2224 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	04	2230 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	04	2258 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	5	2013	02	05	2230 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	05	2234 H24		A3E	non	CHN	non		PM97	JARL	non
											Chinese Talk and Music			
7105	5	2013	02	05	2258 H24		A3E	273	CHN	PBS Nei Meng PBS Nei Meng	23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2013	02	06	2210 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	06	2216 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	07	2210 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	07	2216 H24		A3E	non	CHN	non PBS Nei Meng		PM97	JARL	non
7105	5	2013	02	08	2220 H24		A3E	273	CHN			PM97	JARL	Hohhot
7105	3	2013	02	08	2226 H24		A3E	non	CHN	non		PM97	JARL	non
7105	5	2013	02	09	2210 H24		A3E	273	CHN	PBS Nei	Chinese Talk and	PM97	JARL	Hohhot

										Meng	Music			
7105	3	2013	02	09	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	10	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	10	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	11	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	11	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	12	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	12	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	3	2013	02	13	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	14	2206	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	14	2212	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	15	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	15	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	16	2220	H24	A3E	273	CHN	PBS Nei Meng	Beacon Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	16	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	17	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	17	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	18	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	18	2218	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	19	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	19	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	20	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	20	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	21	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	21	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	22	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	22	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	23	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot

7105	3	2013	02	23	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	24	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	24	2212	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	25	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	25	2226	H24	A3E	non	CHN	non	Chainses Talk and Music	PM97	JARL	non
7105	5	2013	02	26	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	26	2214	H24	A3E	non	CHN	non	Chinese Music only	PM97	JARL	non
7105	5	2013	02	27	2240	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	27	2246	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	27	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	02	28	2236	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	02	28	2242	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	02	28	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7110	3	2013	02	16	<0035-0045>		A3E		BRM	DOM.SER	HOME SERVICE PROGRAMME IN BURMESE	MK82	ARSI	
7111.0	3	2013	2	5	0930		J3E/U				ASIAN	QG52xi	WIA	
7113.9	3	2013	2	3	1025		J3E/U				ASIAN	QG52xi	WIA	
7114.0	5	2013	2	5	0930		G7D				100'S OF CLOSELY-SPACED SUBCARRIERS, SHORT BURSTS	QG52xi	WIA	
7115.2	3	2013	2	7	1005		J3E/U				ASIAN SW BROADCAST, RADIO	QG52xi	WIA	
7120.0	8	2013	2	2	1750		A3E		SOM		HARGEISA	QG52xi	WIA	
7120	3	2013	02	01	1830	H24	A3E	non	non	non	unkowon music and talk	PM97	JARL	non
7120	3	2013	02	02	1830	H24	A3E	non	non	non	unkowon music and talk	PM97	JARL	non
7120	3	2013	02	03	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	06	1828	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non

7120	3	2013	02	07	1820	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	08	1830	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	09	1830	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	10	1832	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	02	11	1820	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	02	12	1830	H24	JM		non	non	non	white noice	PM97	JARL	non
7120	3	2013	02	14	1840	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	02	15	1830	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	02	16	1810	H24	A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	02	17	1830	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	2	2013	02	19	1816	H24	A0A		non	non	non	unknown no modulation	PM97	JARL	non
7120	3	2013	02	20	1820	H24	A3E		non	non	non	unkown talk and music	PM97	JARL	non
7120	3	2013	02	21	1840	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	22	1840	H24	A3E		non	non	non	unkown talk and music	PM97	JARL	non
7120	3	2013	02	24	1830	H24	A3E		non	non	non	Beacon	PM97	JARL	non
7120	3	2013	02	25	1830	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	27	1832	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	02	28	1826	H24	A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120		2013	02	DY	<1340>	1340-1630	A3E			?	Unid	B-C Stn	RF72LQ	NZART	ZL1BAD
7131.3	3	2013	2	3	1025		J3E/U			PHL		TAGALOG	QG52xi	WIA	
7137.0	1	2013	2	28	2035		F1B	200				CONTINUOUS	QG52xi	WIA	
7150.0	3	2013	2	11	1025		J3E/U					ASIAN	QG52xi	WIA	
7150	5	2013	02	13	2220	H24	A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7150	3	2013	02	26	1820	H24	A3E		non	non	non	unkown music only	PM97	JARL	non
7160.0	20	2013	2	9	1925		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
7166.0	10	2013	2	2	0955		G7D					100'S OF RANDOM INTERVAL			
7167	3.3	2013	02	11	<1649>	1649	M7B			?	Unid	SUBCARRIERS	QG52xi	WIA	
7170.0	1	2013	2	2	1750		F1B	200				Multi-chnl	RF72LQ	NZART	ZL1BAD
7170		2013	02	06	<1710>	1710	A3E			?	Unid	CONTINUOUS	QG52xi	WIA	
7175.0	5	2013	2	9	1935		G7DF					B-C stn. HF MANPACK	RF72LQ	NZART	ZL1BAD
													QG52xi	WIA	

7177.5	3	2013	2	2	1010	J3E/U		PHL		TAGALOG, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
7180.0	8	2013	2	2	1750	A3E				SW BROADCAST	QG52xi	WIA	
7180	2	2013	02	16	1816	A0A	H24	non	non	unknown no modulation	PM97	JARL	non
7181.6		2013	2	28	2035	N0N					QG52xi	WIA	
7190.0	3	2013	2	11	1020	J3E/U				ASIAN	QG52xi	WIA	
7190.0	5	2013	2	9	1925	G7DF				HF MANPACK SOUTH ASIAN SERVICE OF SLBC IN HINDI	QG52xi	WIA	
7190	5	2013	02	05	<0210-0220>	A3E		CLN	SLBC		MK82	ARSI	
7190	5	2013	02	07	<0240- 0310.	A3E		CLN	SLBC		MK82	ARSI	
7193.4	3	2013	2	20	2050	J3E/U				ASIAN	QG52xi	WIA	
7195.2	8	2013	2	2	0950	A3E				SW BROADCAST	QG52xi	WIA	
7196.3	5	2013	2	3	1225	G1D				BROAD PSK	QG52xi	WIA	
7198.0	3	2013	2	2	0950	F1B				SELCALL DAILY, SW BROADCAST	QG52xi	WIA	
7200.0	8	2013	2	1	1930	A3E		SUD			QG52xi	WIA	
10140.0	8	2013	2	1	0920	A3E		KRE		SW BROADCAST	QG52xi	WIA	
13999.5	3	2013	2	7	1000	J3E/U				ASIAN	QG52xi	WIA	
14000.0	3	2013	2	4	0845	J3E/U				DAILY, ASIAN	QG52xi	WIA	
14000	3	2013	2	1	23:10-- 23:50	J3E/U		315	CLN	1 male 8 short calls, no reply	OF84wx	WIA	
14000	3	2013	2	1	22:55-- 00:17	J3E/U		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	2	2	00:30-- 00:47	J3E/U		315	CLN	2 msles	OF84wx	WIA	
14000	3	2013	2	2	04:10-- 06:30	J3E/U		315	CLN	1 male short calls, 3-4 per hr	OF84wx	WIA	
14000	3	2013	2	2	22:55-- 22:57	J3E/U		315	CLN	1 male calling, no reply	OF84wx	WIA	
14000	3	2013	2	2	23:30-- 23:31	J3E/U		315	CLN	1 male calling noreply	OF84wx	WIA	
14000	3	2013	2	2	04:30-- 04:42	J3E/U		315	CLN	2 males, on-off	OF84wx	WIA	
14000	3	2013	2	3	08:15-- 08:30	J3E/U		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	2	3	22:55-- 23:40	J3E/U		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	2	4	00:15-- 01:45	J3E/U		315	CLN	2 males on-off	OF84wx	WIA	
14000	3	2013	2	4	02:26-- 02:37	J3E/U		315	CLN	2 males	OF84wx	WIA	

14000	3	2013	2	4	07:00-- 07:19	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	5	08:30-- 09:18	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	5	23:20-- 00:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	6	00:30-- 02:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	6	22:55-- 00:00	J3E/U	315	CLN	2 males 5 short talks	OF84wx	WIA
14000	3	2013	2	7	00:07-- 00:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	7	01:10-- 01:24	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	7	06:20-- 07:12	J3E/U	315	CLN	Group of males on-off	OF84wx	WIA
14000	3	2013	2	7	23:30-- 00:05	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	7	08:10-- 08:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	7	22:45-- 23:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	8	00:05-- 00:16	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	8	00:30-- 01:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	9	08:15-- 08:22	J3E/U	315	CLN	2 males, first call today	OF84wx	WIA
14000	3	2013	2	9	23:30-- 00:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	10	05:02-- 05:22	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	10	06:45-- 07:24	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	10	22:57-- 23:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	11	00:40-- 01:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	11	02:10-- 02:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	11	04:55-- 05:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	11	07:30-- 09:05	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2013	2	11	22:45-- 00:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	12	02:20-- 05:10	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	12	06:33-- 07:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	12	22:45-- 23:55	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	13	00:45-- 00:47	J3E/U	315	CLN	2 males, short talk	OF84wx	WIA
14000	3	2013	2	13	06:55-- 08:20	J3E/U	315	CLN	2 males on-off , 3 to 4 times ?hr	OF84wx	WIA
14000	3	2013	2	13	09:30-- 09:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	13	22:45-- 00:13	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	14	00:45-- 01:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	14	06:10-- 08:47	J3E/U	315	CLN	Group of males, on-off	OF84wx	WIA
14000	3	2013	2	14	22:55-- 23:45	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	15	01:50-- 02:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	15	04:40-- 05:07	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	15	05:45-- 07:15	J3E/U	315	CLN	2 males talking and b/cast music	OF84wx	WIA
14000	3	2013	2	15	23:01-- 23:30	J3E/U	315	CLN	1 male 3 calls, no reply	OF84wx	WIA
14000	3	2013	2	16	00:02-- 00:16	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	16	02:07-- 04:30	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	2	16	23:45-- 00:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	17	00:12-- 00:32	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	17	06:55-- 08:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	17	23:30-- 00:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	18	07:32-- 07:45	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2013	2	19	00:00-- 08:30	J3E/U	315	CLN	No action all day!!	OF84wx	WIA
14000	3	2013	2	19	23:00:02:45	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	20	03:10-- 03:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	20	05:45-- 09:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	20	22:46-- 01:20	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	21	04:56-- 09:05	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	21	22:45-- 00:50	J3E/U	315	CLN	Grouop of males	OF84wx	WIA
14000	3	2013	2	22	02:10-- 04:30	J3E/U	315	CLN	Group of males, on-off 3 to 4 times /hr	OF84wx	WIA
14000	3	2013	2	22	06:10-- 07:45	J3E/U	315	CLN	Group of males, on-off 3 to 4 times per hr	OF84wx	WIA
14000	3	2013	2	22	22:50-- 07:30	J3 E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	23	07:45-- 08:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	23	08:22-- 09:15>	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	23	22:45-- 00:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	24	01:17-- 01:33>	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	24	03:45-- 04:27	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	2	24	05:15-- 05:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	2	24	07:00-- 08:22	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	24	22:45-- 22:58	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	2	24	22:58-- 00:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	25	01:00-- 01:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	25	02:15-- 02:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	25	03:30-- 03:52	J3E/L	315	CLN	2 males	OF84wx	WIA

14000	3	2013	2	25	07:00-- 07:33	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	25	08:45-- 08:56	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	25	22:45-- 23:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	26	00:53-- 02:55	J3E/U	315	CLN	2 males on-off 3 to 4 times per hr	OF84wx	WIA
14000	3	2013	2	26	03:10-- 10:55	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	2	26	22:45-- 00:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	27	00:50-- 02:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	27	03:08-- 08:30	J3E/U	315	CLN	2 males, on-off	OF84wx	WIA
14000	3	2013	2	27	08:55-- 10:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	27	22:45-- 01:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	28	00:55-- 01:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	2	28	<04:00-- 05:15	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	2	28	05:40-- 06:22	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	2	28	22:45-- 23:58	J3E/U	315	CLN	2 males	OF84wx	WIA
14001.3	3	2013	2	21	00:10-- 00:22	J3E/U	315	CLN	2 males	OF84wx	WIA
14001.3	3	2013	2	21	07:35-- 07:45	J3E/U	315	CLN	2 males short calls	OF84wc	WIA
14001.5	3	2013	2	7	01:40-- 02:02	J3E/U	315	CLN	2 males	OF84wx	WIA
14001.5	3	2013	2	28	01:25-- 01:30	J3E/U	315	CLN	2male	OF84wx	WIA
14001.5	3	2013	2	28	<09:05-- 10:30	J3E/U	315	CLN	2 MALES	OF84wx	WIA
14005.0	3	2013	2	4	1020	J3E/U			ASIAN, SOUNDS TAGALOG SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52xi	WIA
14008.5		2013	02	03	<0255-0310>	J3E/U		CLN UNID		MK82	ARSI

14009.2	3	2013	2	6	0005	J3E/U				ASIAN	QG52xi	WIA		
14010	3	2013	2	9	22:55-- 22:56	J3E/U		315	CLN	1 male calling, no reply	OF84wx	WIA		
14010	3	2013	2	13	04:50-- 05:15	J3E/U		315	CLN	2 males	OF84wx	WIA		
14015.0	3	2013	2	7	0950	J3E/U				ASIAN	QG52xi	WIA		
14015.2	3	2013	2	11	1000	J3E/U				ASIAN	QG52xi	WIA		
14016.0	3	2013	2	1	0930	J3E/U				ASIAN	QG52xi	WIA		
14028.0	3	2013	2	13	0920	J1C					QG52xi	WIA		
14030.0	20	2013	2	9	2300	P0N				OTHR, BURSTS	QG52xi	WIA		
14040.0	20	2013	2	10	0205	P0N				OTHR, BURSTS	QG52xi	WIA		
14044.4	3	2013	2	4	0845	J3E/L				ASIAN	QG52xi	WIA		
14048.0	3	2013	2	5	0725	J3E/U			PHL	ALL DAY EVERY DAY. TAGALOG SOUNDS	QG52xi	WIA		
14050.0	3	2013	2	13	1220	J3E/U				RUSSIAN RADIO	QG52xi	WIA		
14050.0	8	2013	2	9	1945	A3E			AUS	AUSTRALIA HF MANPACK, HEARD MANY TIMES	QG52xi	WIA		
14050.0	5	2013	2	2	0920	G7DF					QG52xi	WIA		
14050.1	3	2013	2	9	2140	J3E/U				ASIAN	QG52xi	WIA		
14057.0	3	2013	2	3	1950	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14060.0	3	2013	2	5	1025	J3E/L				ASIAN	QG52xi	WIA		
14060.0	5	2013	2	4	1950	G7DF				HF MANPACK	QG52xi	WIA		
14065.0	5	2013	2	4	2220	G7DF				HF MANPACK	QG52xi	WIA		
14075.0	5	2013	2	11	1000	G7DF				HF MANPACK	QG52xi	WIA		
14086.0	3	2013	2	11	1000	J3E/U				ASIAN	QG52xi	WIA		
14097.5 14109	3	2013	2	11	0945	J3E/U				ASIAN	QG52xi	WIA		
		2013	02	23	<0857>	0857	f*8B		?	4034	ALE Transmission S5 Indonesian?	RF82CG	NZART	ZL1VT
14115.0	5	2013	2	16	2250	G7DF				HF MANPACK	QG52xi	WIA		
14135.0	3	2013	2	16	0900	J3E/L				ASIAN	QG52xi	WIA		
14189.8	3	2013	2	16	0900	J3E/L				ASIAN, FAMILY NET	QG52xi	WIA		
14190.0	3	2013	2	4	0850	J3E/U				ASIAN, FAMILY NET	QG52xi	WIA		
14192.0	3	2013	2	13	0930	J3E/U				ASIAN, FAMILY NET	QG52xi	WIA		
14205.5 14230	3	2013	2	28	0900	J3E/L				ASIAN	QG52xi	WIA		
	20	2013	02	DY	HX		P0N		?	Unid	OTHR Varying length pulses at random times, sometimes 2 stns. 70 PPS	RF72LQ	NZART	ZL1BAD

14233		2013	02	DY	HX		HX	G7DE		?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	Note: Where a freq. is noted for 1PSK, 6PSK & 8PSK the signals do, in fact, occupy the whole band
14233		2013	02	DY	HX		HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
14233		2013	02	DY	HX		HX	G7DE		?	Unid	HF Man Pack PSK	RF72LQ	NZART	ZL1BAD
14234.3	3	2013	2	1		0935		J3E/U				ASIAN	QG52xi	WIA	
												12 SUBBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
14241.0	5	2013	2	16		0905		G7D				HF MANPACK	QG52xi	WIA	
14245.0	5	2013	2	4		1025		G7DF				CONTINUOUS	QG52xi	WIA	
14268.0	1	2013	2	1		0940		F1B	250			ASIAN, FAMILY NET	QG52xi	WIA	
14294.8	3	2013	2	11		1015		J3E/L				Some broadcast from Asian country			
14296.0	2	2013	02	25		<1215-1225>		A3E		UNID	UNID	NL06		ARSI	
14308.0	2	2013	2	2		0945		F1B	HIGH 500			QG52xi		WIA	
												DAILY, ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14328.5	3	2013	2	4		1025		J3E/U				OTHR, BURSTS	QG52xi	WIA	
14330.0	20	2013	2	5		0740		P0N				Radio broadcast in English with low audio			
14340	2	2013	02	12		<1110-1120>		A3E		UNID	UNID	Radio broadcast in unknown language (Band Edge)	NL06	ARSI	
14348.0	2	2013	02	25		<1215-1225>		A3E		UNID	UNID	HF MANPACK	QG52xi	WIA	
14350.0	5	2013	2	5		0945		G7DF				OTHR,	QG52xi	WIA	
18070.0	20	2013	2	1		0940		P0N				CONTINUOUS	QG52xi	WIA	
18070	40	2013	02	DY	HX		HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
18080.0	3	2013	2	28		0530		J3E/U				ASIAN	QG52xi	WIA	
18080.0	5	2013	2	5		0550		G7DF				HF MANPACK	QG52xi	WIA	
18090.0	20	2013	2	4		1020		P0N				OTHR,	QG52xi	WIA	
18100.0	20	2013	2	5		0550		P0N				CONTINUOUS	QG52xi	WIA	
18105.0	3	2013	2	7		0950		J3E/U				ASIAN, SOUNDS	QG52xi	WIA	

18106										CHINESE			
		2013	02	23	<0856>	0856	F8B	?	4034	ALE Transmission			
21000.0	5	2013	2	18	0905		G7DF			S4 Indonesian?	RF82CG	NZART	ZL1VT
21000.0	40	2013	2	15	0850		P0N			HF MANPACK	QG52xi	WIA	
21000.0	3	2013	2	1	0325		J3E/U			OTHR,			
21000.0		2013	2	1	0325		N0N			CONTINUOUS	QG52xi	WIA	
										DAILY, ASIAN	QG52xi	WIA	
21010.0	40	2013	2	28	0530		P0N				QG52xi	WIA	
21015.0	5	2013	2	11	0925		G7DF			OTHR,			
21020.0	40	2013	2	7	0945		P0N			CONTINUOUS	QG52xi	WIA	
21050.0	3	2013	2	1	1005		J3E/U			DAILY, ASIAN	QG52xi	WIA	
21050.0	5	2013	2	1	2220		G7DF			DAILY, HF			
										MANPACK	QG52xi	WIA	
21057.0		2013	2	16	0835		A1A			MIXED			
21059.0	3	2013	2	5	0745		J3E/U			NUMBER/LETTER			
										CIPHER	QG52xi	WIA	
21060.0	5	2013	2	18	2235		G7DF			ASIAN	QG52xi	WIA	
21080.0	20	2013	2	6	1005		P0N			DAILY, HF			
21111.2	3	2013	2	2	0905		J3E/U			MANPACK	QG52xi	WIA	
										OTHR,			
21111.5	33	2013	02	17	<1320-1335>		OTHR	UNID	UNID	CONTINUOUS	QG52xi	WIA	
21133.6	3	2013	2	20	0930		J3E/U			DAILY, ASIAN			
21152		2013	02	DY	HX	HX	G7DE	?	Unid	FISHBOATS,			
										ENGINE NOISE	QG52xi	WIA	
21190.0	20	2013	2	5	0130		P0N			HF Man Pack 8	RF72LQ	NZART	ZL1BAD
										PSK			
21199.0	5	2013	2	18	0610		G7D			OTHR, LONG			
21200.0	5	2013	2	18	0610		G7DF			BURSTS	QG52xi	WIA	
21210.0	20	2013	2	28	0435		VXX			6 SUBCARRIERS			
21211		2013	02	10	<0623>	0623	G7DF	?	Unid	ON 150 HZ			
21212.1	3	2013	2	8	0900		J3E/L			INTERVALS,			
21223.5	3	2013	2	14	0925		J3E/L			BURSTS	QG52xi	WIA	
21230.0	5	2013	2	5	0745		G7DF			DAILY, HF			
21230		2013	02	DY	HX	HX	G7DE/F	?	Unid	MANPACK	QG52xi	WIA	
										FAST CODAR			
										SWEEPS	QG52xi	WIA	
										HF Man Pack 8-			
										PSK S2	RF73MF	NZART	ZL1GWE
										ASIAN, SOUNDS			
										CHINESE	QG52xi	WIA	
										ASIAN	QG52xi	WIA	
										HF MANPACK	QG52xi	WIA	
										HF Man Pack 1			
										PSK	RF72LQ	NZART	ZL1BAD

21230													CODAR 15 sec bursts at random times. 7 PPS			
	30	2013	02	DY	HX		HX	VXX		?	Unid			RF72LQ	NZART	ZL1BAD
21234.5	3	2013	2	2		0905		J3E/L					ASIAN	QG52xi	WIA	
21260.0	20	2013	2	10		0910		P0N					OTHR, BURSTS DAILY, HF MANPACK	QG52xi	WIA	
21265.0	5	2013	2	14		0930		G7DF						QG52xi	WIA	
21265.0 21267	20	2013	2	10		0730		P0N					OTHR, BURSTS OTHR varying rate 44 pps and 49 pps JORN with pip S3	QG52xi	WIA	
21278.6	9	2013	02	10	<0610>		0610-0716	P0N		330	AUS	Unid		RF73Mf	NZART	ZL1GWE
	5	2013	02	20	<0416>		0416-0435	P0N			?	Unid		RF73IJ	NZART	ZL1TPH
21280.0 21294	20	2013	2	15		0930		VXX						QG52xi	WIA	
													OTHR, shorts double bursts, signature tone, JORN S8			
	12	2013	02	22	<0314>		0314 0629-0730	P0N			?	Unid		RF73IJ	NZART	ZL1TPH
21310	20	2013	02	09	<0629>		0730	P0N		330	?	Unid	OTHR 50 PPS S6 REPETITIVE	RF72MF QG52xi	NZART WIA	ZL1GWE
21323.0	2	2013	2	28		0850		F1B	600							
21329.5	23	2013	02	10	<0615>		0615	P0N		330	?	Unid	OTHR 50 pps S6	RF73MF	NZART	ZL1GWE
21340.0	20	2013	2	14		0925		P0N					OTHR, BURSTS OTHR,	QG52xi	WIA	
21340.0	20	2013	2	17		0725		P0N					CONTINUOUS	QG52xi	WIA	
21369	22	2013	02	09	<0700<		0700	P0N		330	?	Unid	OTHR S7 43 pps	RF73MF	NZART	ZL1GWE
21370.0 21373	20	2013	2	28		2315		P0N					OTHR, BURSTS OTHR 48 pps S9 6 second bursts	QG52xi RF72MF	WIA NZART	WIA ZL1GWE
21397	24	2013	02	09	<0700>		0700	P0N		330	?	Unid	OTHR 41 pps S8	RF73MF	NZART	ZL1GWE
21400	24	2013	02	09	<0700>		0700	P0N		330	?	Unid	OTHR 50 pps S3	RF73MF	NZART	ZL1GWE
21408	20	2013	02	09	<0756>		0756 0300-0500	P0N		330	?	Unid	OTHR short burst S8 (Repetitive)	RF73MF	NZART	ZL1GWE
21428.5	16	2013	02	26	<0300>		0500 0644-0730	P0N			?	Unid	OTHR continuous S7	RF73IJ	NZART	ZL1TPH
	21	2013	02	11	<0644>		0730	P0N			?	Unid		RF73IJ	NZART	ZL1TPH
21430.0	20	2013	2	15		0930		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
21430.0	20	2013	2	5		0220		P0N					OTHR, BURSTS	QG52xi	WIA	
21434.0	8	2013	2	18		0615		A3E					BROADCAST IMD	QG52xi	WIA	
21436.4													OTHR 46 pps S8 5 second bursts			
	25	2013	02	09	<0730>		0730 0302-0340	P0N		330	?	Unid	OTHR short burst S9	RF73MF	NZART	ZL1TPH
21439.5	11	2013	02	01	<0302>		0340	P0N			?	Unid		RF73IJ	NZART	ZL1TPH
21440.0	20	2013	2	1		0330		P0N					OTHR, BURSTS DAILY, SW BROADCAST IN CHINESE JAMMING SIGNAL, MANY SWEEPING	QG52xi	WIA	
21450.0	10	2013	2	5		0440		A3E						QG52xi	WIA	
21450.0	10	2013	2	1		0330		G7D						QG52xi	WIA	

SUBCARRIERS

21450											Asian music, with splatter down to 21440			
	10	2013	02	27	<0515>	0515	BC		?	Unid		RF73IJ	NZART	ZL1TPH
24900.0	6	2013	2	28	0530		A3E				ASIAN	QG52xi	WIA	
24900.0	20	2013	2	5	0435		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
24905.0	70	2013	2	18	0605		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
24910.0	6	2013	2	28	0530		A3E				ASIAN	QG52xi	WIA	
24925.0	6	2013	2	28	0845		A3E				ASIAN	QG52xi	WIA	
24930.0	5	2013	2	28	2315		G7DF				HF MANPACK	QG52xi	WIA	
24930											HF Man Pack 1			
		2013	02	DY	HX	HX	G7DE/F		?	Unid	PSK	RF72LQ	NZART	ZL1BAD
24960.0	3	2013	2	10	0020		J3E/L				ASIAN	QG52xi	WIA	
24962.5	6	2013	2	3	0245		A3E				ASIAN	QG52xi	WIA	
24987.5	6	2013	2	18	0900		A3E				ASIAN	QG52xi	WIA	
28000.0	6	2013	2	2	0225		A3E				ASIAN	QG52xi	WIA	
28005.0	6	2013	2	2	0225		A3E				ASIAN	QG52xi	WIA	
28010.0	5	2013	2	18	0250		G7DF				HF MANPACK	QG52xi	WIA	
28012.5	6	2013	2	18	0250		A3E				ASIAN	QG52xi	WIA	
28015.0	6	2013	2	2	0810		A3E				ASIAN	QG52xi	WIA	
28018.0	6	2013	2	20	0235		A3E				ASIAN	QG52xi	WIA	
28025.0	6	2013	2	3	0250		A3E				ASIAN	QG52xi	WIA	
28028.2	6	2013	2	4	0115		A3E				ASIAN	QG52xi	WIA	
28035.0	6	2013	2	2	0225		A3E				ASIAN	QG52xi	WIA	
28037.5	6	2013	2	20	0900		A3E				ASIAN	QG52xi	WIA	
28041.0	6	2013	2	3	0315		A3E				ASIAN	QG52xi	WIA	
28045.0	6	2013	2	4	0115		A3E				ASIAN	QG52xi	WIA	
28050.0	6	2013	2	1	0335		A3E				ASIAN	QG52xi	WIA	
28052.6		2013	2	16	0235		A1A			4LDO	DRIFTNET BEACON	QG52xi	WIA	
28055.0	6	2013	2	2	0230		A3E				ASIAN	QG52xi	WIA	
28062.5	6	2013	2	2	0230		A3E				ASIAN	QG52xi	WIA	
28065.0	6	2013	2	1	0605		A3E				ASIAN	QG52xi	WIA	
28075.0	6	2013	2	2	0230		F3E				ASIAN	QG52xi	WIA	
28085.0	6	2013	2	2	0230		A3E				ASIAN	QG52xi	WIA	
28087.5	6	2013	2	3	0340		A3E				ASIAN	QG52xi	WIA	
28088.6		2013	2	13	0835		A1A			5ABK	DRIFTNET BEACON	QG52xi	WIA	
28090.0	6	2013	2	7	0920		A3E				ASIAN	QG52xi	WIA	
28100.0	6	2013	2	1	0605		F3E				ASIAN	QG52xi	WIA	
28105.0	6	2013	2	4	0255		A3E				ASIAN	QG52xi	WIA	
28110.0	100	2013	2	28	0820		A2A				LIKE MCW ONLY VERY BROAD	QG52xi	WIA	
28112.5	6	2013	2	3	0255		A3E				ASIAN	QG52xi	WIA	
28112.6		2013	2	28	0835		A1A			3IBX	DRIFTNET	QG52xi	WIA	

										BEACON					
28115.0	6	2013	2	2	0815	A3E				ASIAN	QG52xi	WIA			
28125.0	6	2013	2	1	0335	A3E				ASIAN	QG52xi	WIA			
28130.0	6	2013	2	18	0550	A3E				ASIAN	QG52xi	WIA			
28132.8		2013	2	28	2340	A1A		3DJR		DRIFTNET					
28135.0	6	2013	2	4	0120	A3E				BEACON	QG52xi	WIA			
28137.5	6	2013	2	3	0340	A3E				ASIAN	QG52xi	WIA			
28145.0	6	2013	2	2	0230	A3E				ASIAN	QG52xi	WIA			
28155.0	6	2013	2	2	0230	A3E				ASIAN	QG52xi	WIA			
28162.5	3	2013	2	3	0345	A3E				ASIAN	QG52xi	WIA			
28165.0	6	2013	2	3	0255	A3E				ASIAN	QG52xi	WIA			
28175.0	6	2013	2	2	0230	F3E				ASIAN	QG52xi	WIA			
28180.0	6	2013	2	5	0225	A3E				ASIAN	QG52xi	WIA			
28185.0	6	2013	2	2	0230	F3E				ASIAN	QG52xi	WIA			
28190.0	100	2013	2	3	0350	A2A				LIKE MCW ONLY					
28195.0	6	2013	2	3	0255	A3E				VERY BROAD	QG52xi	WIA			
28200.0	6	2013	2	1	0340	F3E				ASIAN	QG52xi	WIA			
28201.5	1	2013	2	8	0245	F1B		150		CONTINUOUS	QG52xi	WIA			
28205.0	6	2013	2	2	0815	A3E				ASIAN	QG52xi	WIA			
28210.0	6	2013	2	28	2340	A3E				ASIAN	QG52xi	WIA			
28212.5	6	2013	2	2	0815	F3E				ASIAN	QG52xi	WIA			
28215.0	6	2013	2	3	0255	A3E				ASIAN	QG52xi	WIA			
28225.0	6	2013	2	1	0610	F3E				ASIAN	QG52xi	WIA			
28230.0	5	2013	2	14	0935	G7DF				HF MANPACK	QG52xi	WIA			
28230		2013	02	DY	HX		HX		G7DE/F	?	Unid	PSK	RF72LQ	NZART	ZL1BAD
28235.0	6	2013	2	2	0235	A3E				ASIAN	QG52xi	WIA			
28237.5	6	2013	2	3	0605	A3E				ASIAN	QG52xi	WIA			
28245.0	6	2013	2	7	0925	A3E				ASIAN	QG52xi	WIA			
28250.0	6	2013	2	2	0815	A3E				ASIAN	QG52xi	WIA			
28255.0	6	2013	2	5	0230	A3E				ASIAN	QG52xi	WIA			
28262.5	6	2013	2	2	0235	A3E				ASIAN	QG52xi	WIA			
28265.0	6	2013	2	1	0340	A3E				ASIAN	QG52xi	WIA			
28267.5	6	2013	2	28	0450	A3E				ASIAN	QG52xi	WIA			
28270.0	100	2013	2	28	0455	A2A				LIKE MCW ONLY					
28275.0	6	2013	2	1	0210	A3E				VERY BROAD	QG52xi	WIA			
28285.0	6	2013	2	2	0235	A3E				ASIAN	QG52xi	WIA			
28287.5	6	2013	2	2	0210	A3E				ASIAN	QG52xi	WIA			
28295.0	6	2013	2	2	0235	F3E				ASIAN	QG52xi	WIA			
28300.0	6	2013	2	3	0620	A3E				ASIAN	QG52xi	WIA			
28305.0	6	2013	2	2	0210	A3E				ASIAN	QG52xi	WIA			
28310.0	6	2013	2	28	2345	A3E				ASIAN	QG52xi	WIA			
28312.5	6	2013	2	28	0835	A3E				ASIAN	QG52xi	WIA			

28315.0	6	2013	2	3	0300	A3E	ASIAN	QG52xi	WIA
28318.0	6	2013	2	28	2345	A3E	ASIAN	QG52xi	WIA
28325.0	6	2013	2	2	0235	A3E	ASIAN	QG52xi	WIA
28335.0	6	2013	2	2	0820	A3E	ASIAN	QG52xi	WIA
28350.0	6	2013	2	14	0940	A3E	ASIAN	QG52xi	WIA
28355.0	6	2013	2	4	0120	A3E	ASIAN	QG52xi	WIA
28362.5	6	2013	2	14	0940	A3E	ASIAN	QG52xi	WIA
28365.0	6	2013	2	2	0235	A3E	ASIAN	QG52xi	WIA
28370.0	5	2013	2	28	0500	G7DF	HF MANPACK	QG52xi	WIA
28375.0	6	2013	2	4	0120	A3E	ASIAN	QG52xi	WIA
							LIKE MCW ONLY		
28380.0	100	2013	2	28	0835	A2A	VERY BROAD	QG52xi	WIA
28385.0	6	2013	2	4	0120	A3E	ASIAN	QG52xi	WIA
28387.5	6	2013	2	5	0230	A3E	ASIAN	QG52xi	WIA
28391.0	6	2013	2	28	0500	A3E	ASIAN	QG52xi	WIA
28395.0	6	2013	2	28	2345	A3E	ASIAN	QG52xi	WIA
28400.0	6	2013	2	1	0340	F3E	ASIAN	QG52xi	WIA
28405.0	6	2013	2	4	0120	A3E	ASIAN	QG52xi	WIA
28415.0	6	2013	2	2	0210	A3E	ASIAN	QG52xi	WIA
28425.0	6	2013	2	2	0210	F3E	ASIAN	QG52xi	WIA
28435.0	6	2013	2	2	0235	A3E	ASIAN	QG52xi	WIA
28437.5	6	2013	2	1	0610	A3E	ASIAN	QG52xi	WIA
							LIKE MCW ONLY		
28440.0	100	2013	2	14	0940	A2A	VERY BROAD	QG52xi	WIA
28450.0	6	2013	2	28	2345	A3E	ASIAN	QG52xi	WIA
							LIKE MCW ONLY		
28450.0	100	2013	2	15	0840	A2A	VERY BROAD	QG52xi	WIA
28455.0	6	2013	2	1	0610	A3E	ASIAN	QG52xi	WIA
28460.0	6	2013	2	28	2345	A3E	ASIAN	QG52xi	WIA
							LIKE MCW ONLY		
28460.0	100	2013	2	16	0500	A2A	VERY BROAD	QG52xi	WIA
28462.5	6	2013	2	5	0230	A3E	ASIAN	QG52xi	WIA
28465.0	6	2013	2	2	0820	A3E	ASIAN	QG52xi	WIA
28475.0	6	2013	2	3	0300	F3E	ASIAN	QG52xi	WIA
28485.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA
28500.0	5	2013	2	2	0820	G7DF	HF MANPACK	QG52xi	WIA
28500.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA
28505.0	6	2013	2	2	0210	A3E	ASIAN	QG52xi	WIA
28512.5	6	2013	2	2	0210	A3E	ASIAN	QG52xi	WIA
28515.0	6	2013	2	2	0210	A3E	ASIAN	QG52xi	WIA
28525.0	6	2013	2	2	0820	A3E	ASIAN	QG52xi	WIA
28530.0	6	2013	2	2	0820	A3E	ASIAN	QG52xi	WIA
28535.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA
28537.5	6	2013	2	4	0125	A3E	ASIAN	QG52xi	WIA
28550.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA
28555.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA

28565.0	6	2013	2	2	0210	A3E	ASIAN	QG52xi	WIA
28567.5	6	2013	2	20	0905	A3E	ASIAN	QG52xi	WIA
28575.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28585.0	6	2013	2	3	0305	A3E	ASIAN	QG52xi	WIA
28587.5	6	2013	2	17	0705	A3E	ASIAN	QG52xi	WIA
28590.0	5	2013	2	7	0930	G7DF	HF MANPACK	QG52xi	WIA
28595.0	6	2013	2	3	0305	A3E	ASIAN	QG52xi	WIA
28605.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28610.0	6	2013	2	7	0930	A3E	ASIAN	QG52xi	WIA
28615.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28625.0	6	2013	2	1	0340	A3E	ASIAN	QG52xi	WIA
28635.0	6	2013	2	2	0240	A3E	ASIAN	QG52xi	WIA
28640.0	100	2013	2	7	0930	A2A	LIKE MCW ONLY		
28645.0	6	2013	2	2	0215	A3E	VERY BROAD	QG52xi	WIA
28650.0	6	2013	2	2	0825	A3E	ASIAN	QG52xi	WIA
28655.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28662.5	6	2013	2	2	0825	F3E	ASIAN	QG52xi	WIA
28665.0	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
28672.0	6	2013	2	28	2350	A3E	ASIAN	QG52xi	WIA
28675.0	6	2013	2	2	0240	A3E	ASIAN	QG52xi	WIA
28685.0	6	2013	2	3	0305	A3E	ASIAN	QG52xi	WIA
28695.0	6	2013	2	5	0235	A3E	ASIAN	QG52xi	WIA
28700.0	100	2013	2	28	0840	A2A	LIKE MCW ONLY		
28700.0	6	2013	2	28	0510	A3E	VERY BROAD	QG52xi	WIA
28705.0	6	2013	2	3	0305	A3E	ASIAN	QG52xi	WIA
28715.0	6	2013	2	2	0240	A3E	ASIAN	QG52xi	WIA
28725.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28730.0	6	2013	2	10	0050	A3E	ASIAN	QG52xi	WIA
28735.0	6	2013	2	2	0240	A3E	ASIAN	QG52xi	WIA
28737.5	6	2013	2	2	0240	F3E	ASIAN	QG52xi	WIA
28742.0	6	2013	2	4	0125	A3E	ASIAN	QG52xi	WIA
28745.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28750.0	6	2013	2	28	0840	A3E	ASIAN	QG52xi	WIA
28755.0	6	2013	2	2	0825	A3E	ASIAN	QG52xi	WIA
28760.0	6	2013	2	10	0050	A3E	ASIAN	QG52xi	WIA
28760.0	100	2013	2	7	0935	A2A	LIKE MCW ONLY		
28762.5	6	2013	2	1	0345	A3E	VERY BROAD	QG52xi	WIA
28765.0	6	2013	2	4	0125	A3E	ASIAN	QG52xi	WIA
28770.0	6	2013	2	28	0840	A3E	ASIAN	QG52xi	WIA
28775.0	6	2013	2	2	0215	A3E	ASIAN	QG52xi	WIA
28785.0	6	2013	2	28	0515	A3E	ASIAN	QG52xi	WIA
28795.0	6	2013	2	4	0125	A3E	ASIAN	QG52xi	WIA
28805.0	6	2013	2	28	0515	A3E	ASIAN	QG52xi	WIA

28812.5	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
28815.0	6	2013	2	28	2355	A3E	ASIAN	QG52xi	WIA
28825.0	6	2013	2	1	0615	F3E	ASIAN	QG52xi	WIA
28830.0	6	2013	2	2	0825	A3E	ASIAN	QG52xi	WIA
28835.0	6	2013	2	3	0310	A3E	ASIAN	QG52xi	WIA
28837.5	6	2013	2	4	0300	A3E	ASIAN	QG52xi	WIA
28850.0	6	2013	2	1	0615	A3E	ASIAN	QG52xi	WIA
28862.5	6	2013	2	17	0705	A3E	ASIAN	QG52xi	WIA
28865.0	6	2013	2	13	0845	A3E	ASIAN	QG52xi	WIA
28875.0	6	2013	2	2	0215	F3E	ASIAN	QG52xi	WIA
28884.0	3	2013	2	4	0130	J3E/U	ASIAN	QG52xi	WIA
28885.0	6	2013	2	28	2345	A3E	ASIAN	QG52xi	WIA
28887.5	6	2013	2	14	0945	A3E	ASIAN	QG52xi	WIA
28900.0	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
28905.0	6	2013	2	28	0515	A3E	ASIAN	QG52xi	WIA
28915.0	6	2013	2	13	0845	A3E	ASIAN	QG52xi	WIA
28925.0	6	2013	2	1	0345	F3E	ASIAN	QG52xi	WIA
28937.5	6	2013	2	2	0215	F3E	ASIAN	QG52xi	WIA
28950.0	6	2013	2	1	0615	F3E	ASIAN	QG52xi	WIA
28962.5	6	2013	2	1	0615	F3E	ASIAN	QG52xi	WIA
28975.0	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
28985.0	6	2013	2	7	0240	A3E	ASIAN	QG52xi	WIA
28987.5	6	2013	2	2	0830	F3E	ASIAN	QG52xi	WIA
29000.0	6	2013	2	4	0330	A3E	ASIAN	QG52xi	WIA
29005.0	6	2013	2	4	0130	A3E	ASIAN	QG52xi	WIA
29025.0	6	2013	2	2	0245	F3E	ASIAN	QG52xi	WIA
29035.0	6	2013	2	10	0055	A3E	ASIAN	QG52xi	WIA
29037.5	6	2013	2	2	0220	F3E	ASIAN	QG52xi	WIA
29040.0	6	2013	2	4	0340	F3E	ASIAN	QG52xi	WIA
29050.0	6	2013	2	9	0045	A3E	ASIAN	QG52xi	WIA
29075.0	6	2013	2	1	0615	A3E	ASIAN	QG52xi	WIA
29085.0	6	2013	2	1	0615	A3E	ASIAN	QG52xi	WIA
29100.0	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
29105.0	6	2013	2	5	0240	A3E	ASIAN	QG52xi	WIA
29112.5	6	2013	2	1	0345	A3E	ASIAN	QG52xi	WIA
29120.0	6	2013	2	4	0340	A3E	ASIAN	QG52xi	WIA
29125.0	6	2013	2	1	0350	A3E	ASIAN	QG52xi	WIA
29130.0	6	2013	2	1	0615	A3E	ASIAN	QG52xi	WIA
29140.0	6	2013	2	2	0830	A3E	ASIAN	QG52xi	WIA
29150.0	6	2013	2	1	0350	F3E	ASIAN	QG52xi	WIA
29162.5	6	2013	2	1	0350	F3E	ASIAN	QG52xi	WIA
29175.0	6	2013	2	1	0350	A3E	ASIAN	QG52xi	WIA
29200.0	6	2013	2	1	0350	F3E	ASIAN	QG52xi	WIA
29205.0	6	2013	2	13	0850	A3E	ASIAN	QG52xi	WIA
29212.5	6	2013	2	28	2355	A3E	ASIAN	QG52xi	WIA

29215.0	6	2013	2	4	0135	A3E		ASIAN	QG52xi	WIA
29225.0	6	2013	2	1	0350	F3E		ASIAN	QG52xi	WIA
29237.5	6	2013	2	1	0350	A3E		ASIAN	QG52xi	WIA
29250.0	6	2013	2	4	0135	A3E		ASIAN	QG52xi	WIA
29275.0	6	2013	2	1	0620	F3E		ASIAN	QG52xi	WIA
29300.0	6	2013	2	28	2355	A3E		ASIAN	QG52xi	WIA
29335.0	6	2013	2	2	0220	A3E		ASIAN	QG52xi	WIA
29350.0	6	2013	2	2	0220	F3E		ASIAN	QG52xi	WIA
29362.5	6	2013	2	4	0825	A3E		ASIAN	QG52xi	WIA
29365.0	5	2013	2	14	0950	G7DF		HF MANPACK	QG52xi	WIA
29375.0	6	2013	2	4	0135	F3E		ASIAN	QG52xi	WIA
29387.5	6	2013	2	2	0835	A3E		ASIAN	QG52xi	WIA
29400.0	6	2013	2	1	0350	A3E		ASIAN	QG52xi	WIA
29425.0	1	2013	2	2	0220	F1B	150	DAILY, CONTINUOUS	QG52xi	WIA
29425.0	6	2013	2	5	0240	A3E		ASIAN	QG52xi	WIA
29437.5	6	2013	2	1	0350	F3E		ASIAN	QG52xi	WIA
29445.0	6	2013	2	28	2355	A3E		ASIAN	QG52xi	WIA
29450.0	6	2013	2	2	0835	A3E		ASIAN	QG52xi	WIA
29462.5	6	2013	2	13	0850	A3E		ASIAN	QG52xi	WIA
29475.0	6	2013	2	1	0350	A3E		ASIAN	QG52xi	WIA
29485.0	6	2013	2	4	0135	A3E		ASIAN	QG52xi	WIA
29487.5	6	2013	2	13	0850	A3E		ASIAN	QG52xi	WIA
29500.0	6	2013	2	2	0250	A3E		ASIAN	QG52xi	WIA
29512.5	6	2013	2	4	0700	A3E		ASIAN	QG52xi	WIA
29525.0	1	2013	2	10	0100	F1B	150	DAILY, CONTINUOUS	QG52xi	WIA
29525.0	6	2013	2	2	0225	F3E		ASIAN	QG52xi	WIA
29537.5	6	2013	2	1	0350	A3E		ASIAN	QG52xi	WIA
29550.0	6	2013	2	3	0315	A3E		ASIAN	QG52xi	WIA
29575.0	6	2013	2	2	0250	F3E		ASIAN	QG52xi	WIA
29625.0	6	2013	2	1	0640	A3E		ASIAN	QG52xi	WIA
29637.5	6	2013	2	1	0630	A3E		ASIAN	QG52xi	WIA
29650.0	6	2013	2	1	0620	F3E		ASIAN	QG52xi	WIA
29655.0	6	2013	2	1	0350	A3E		ASIAN	QG52xi	WIA
29675.0	6	2013	2	1	0620	F3E		ASIAN	QG52xi	WIA
29687.5	6	2013	2	1	0620	A3E		ASIAN	QG52xi	WIA
29700.0	6	2013	2	1	0620	F3E		ASIAN	QG52xi	WIA