



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



March 2013

Peter Young VK3MV

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

This month there were 1073 observations made across the Region as compared to last month of 843.

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.

R1 reports an OHR is operational on 10 meters appears to be covering 28050 up to 28350 kHz. Reports have been received in R3 as well.

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

NZART reports a Chinese proprietary system called Chinese 4+4 digital system to be operating around 21363 kHz - J3E/L (LSB signal). This emission is typically used for Diplomatic Communications, but also used for off line crypto as well.

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

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

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

Peter – VK3MV

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3520.0	5	2013	3	11	2015		G7DF						HF MANPACK	QG52xi	WIA	VK4TJ
3526.0	3	2013	3	20	1950		J1C							QG52xi	WIA	
3531.0	5	2013	3	11	1950		G1D						SWEEPING CARRIER WITH BEEP TONE	QG52xi	WIA	
3548.0	1	2013	3	30	1630		F1B		200				CONTINUOUS DAILY, OTHR, CONTINUOUS	QG52xi	WIA	
3550.0	50	2013	3	24	2015		P0N						Japanese song with no call	QG52xi	WIA	
3553	3	2013	3	17		21:26	J3E								JARL	
3555.0	5	2013	3	19	0920		G7DF						HF MANPACK	QG52xi	WIA	
3557.0	1	2013	3	17	2000		F1B		250				CONTINUOUS	QG52xi	WIA	
3584.0	3	2013	3	2	1925		J1C						DAILY	QG52xi	WIA	
3599	0.5	2013	3	3		21:00	A1A						random number		JARL	
3614.0	6	2013	3	8	1635		A3E						DRIFTY	QG52xi	WIA	
3623.0	3	2013	3	2	1925		J1C						DAILY	QG52xi	WIA	
3629.0	3	2013	3	15	2010		J3E/U						FRENCH LANGUAGE, NON-AMATEUR ASIAN, SOUNDS CHINESE	QG52xi	WIA	
3638.0	3	2013	3	31	1825		J3E/U						HF MANPACK	QG52xi	WIA	
3640.0	5	2013	3	20	1945		G7DF						CONTINUOUS	QG52xi	WIA	
3647.0	1	2013	3	2	1925		F1B		500				DRIFTY	QG52xi	WIA	
3649.0	6	2013	3	8	1630		A3E						MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
3658.0		2013	3	2	1925		A1A						HF MANPACK	QG52xi	WIA	
3675.0	5	2013	3	15	2010		G7DF						MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
3692.4		2013	3	8	1630		A1A						DAILY, OTHR, CONTINUOUS random number	QG52xi	WIA	
3750.0	50	2013	3	24	2015		P0N						74DN TA7T D535 NU6U 437D	QG52xi	WIA	
3792	0.5	2013	3	17		21:33	A1A						H2FL DE DRV8	QG52xi	WIA	
3797.0		2013	3	15	2010		A1A					DRV8				
3798	0.5	2013	3	3		22:18	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	3	4		20:46	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	3	6		21:16	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	3	7		20:27	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	3	16		19:49	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	3	17		21:29	J3E						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2013	3	21		21:07	A1A						h2fl h2fl h2fl de		JARL	

3798	0.5	2013	3	24		21:32	A1A				drvz drvz v h2fl h2fl h2fl de drvz drvz v	JARL		
3798	0.5	2013	3	26		22:23	A1A				h2fl h2fl h2fl de drvz drvz v	JARL		
3798	0.5	2013	3	27		20:19	A1A				h2fl h2fl h2fl de drvz drvz v	JARL		
3798	0.5	2013	3	29		21:29	A1A				h2fl h2fl h2fl de drvz drvz v	JARL		
3800.0	40	2013	3	10	2010		P0N				DAILY, OTHR, CONTINUOUS	QG52xi	WIA	
3804	0.5	2013	3	24		22:40	A1A				random number DAILY, OTHR, SPILLS INTO		JARL	
6930.0	200	2013	3	2	2015		P0N				AMATEUR BAND	QG52xi	WIA	
7000.0		2013	3	2	1940		N0N					QG52xi	WIA	
7000.0	3	2013	3	1	0935		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7000	3.3	2013	3	9	<1315>	1315	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7000	3.3	2013	3	11	<1640>	1640	M7B		?	Unid	Probably MARS - multi-chnl	RF72LQ	NZART	ZL1BAD
7000	3.3	2013	3	DY	<1640>	HX24	M7B		?	Unid	Non-amateurs - when OTHR is not present	RF72LQ	NZART	ZL1BAD
7005.0	3	2013	3	1	0930		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7005.0	3	2013	3	1	0935		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010.0	3	2013	3	1	0930		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010.0	3	2013	3	1	1010		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010	<100	2013	3	28	<1915>	1915	P0H		?	Unid	OTHR out of band spreading to 7010	RF72LQ	NZART	ZL1BAD
7010	2.4	2013	3	30	<1750>	1750	J3E/L		?	Unid	SSB LSB 7010 three stations chatting fishing boats	RF73IJ	NZART	ZL1TPH
7014	273	2013	3		<1855>	1855	P0H		?	Unid	OTHR from 6770 to 7014 inside CW section 40m band	RF73IJ	NZART	ZL1TPH
7015.0	3	2013	3	3	1730		J3E/L				MUSIC, ENGLISH LANGUAGE	QG52xi	WIA	
7015.0	3	2013	3	4	0955		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7020.0	3	2013	3	1	1010		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7020.0	3	2013	3	1	0935		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7025.0	5	2013	3	30	0850		G7DF				HF MANPACK ASIAN, SOUNDS	QG52xi	WIA	
7025.0	3	2013	3	2	2010		J3E/U				CHINESE	QG52xi	WIA	
7027		2013	3	22	<1815>	1815	F1B	250	?	Unid	Idling Only	RF72LQ	NZART	ZL1BAD

7030.0	1	2013	3	30	1625		F1B	250				CONTINUOUS DAILY, VILLAGE RADIO	QG52xi	WIA	
7030.0	3	2013	3	1	0930		J3E/L		INS			8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
7032.0	5	2013	3	26	2025		G7D					ASIAN MUSIC	QG52xi	WIA	
7036.0	3	2013	3	19	0905		J3E/L					unkown IDL only	PM97	JARL	non
7036	3	2013	3	19	1810	H24	F1B		non	non	non	unkown IDL only	PM97	JARL	non
7036	3	2013	3	23	1820	H24	F1B		non	non	non	unkown IDL only	PM97	JARL	non
7036	3	2013	3	24	1820	H24	F1B		non	non	non	DAILY, HARBOUR BEACON	PM97	JARL	non
7038.7		2013	3	1	2050		A1A		RU	D		HARBOUR BEACON, BAD HUM SIDEBANDS	QG52xi	WIA	
7038.8	5	2013	3	15	2025		A1A		RU	P		Moscow - Beacon C - RIW	QG52xi	WIA	
7039		2013	3	DY	<0300>		A1A		RUS	C		Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7039		2013	3	DY	<0300>		A1A		RUS	A		Vladivostok - Beacon F - RJS	RF72LQ	NZART	ZL1BAD
7039		2013	3	DY	<0300>		A1A		RUS	F		Kaliningrad - Beacon P - RMP	RF72LQ	NZART	ZL1BAD
7039		2013	3	DY	<0300>		A1A		RUS	P		Beacon	RF72LQ	NZART	ZL1BAD
7039	0.5	2013	3	1	1210	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	1	1606	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	1	1712	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	1	1940	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	1	2224	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	2	1220	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	2	1610	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	2	1720	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	2	1840	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	2	2228	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	3	1214	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	3	1610	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	3	1720	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	3	1840	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	3	1920	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	4	1330	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	4	1334	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	4	1610	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	4	1614	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	4	1720	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	4	1830	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	4	2232	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	5	1210	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	5	1214	H24	A1A	37	RUS	K--siganl		Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	5	1610	H24	A1A	15	RUS	M--signal		Beacon	PM97	JARL	Magadan

7039	0.5	2013	3	5	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	5	1740	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	5	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	5	1844	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	5	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	6	1230	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	6	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	6	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	6	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	6	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	7	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	7	1604	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	7	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	7	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	7	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	7	1838	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	7	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	8	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	8	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	8	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	8	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	8	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	9	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	9	1214	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	9	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	9	1624	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	9	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	9	1734	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	9	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	9	1832	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	9	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	10	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	10	1224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	10	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	10	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	10	1724	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	10	1836	H24	A1A	15	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	10	1840	H24	A1A	37	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	10	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	11	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	11	1212	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	11	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	11	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	11	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	11	1716	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	3	11	1838	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	11	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	11	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	12	1204	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	12	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	12	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	12	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	12	1704	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	12	1708	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	12	1840	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	12	1842	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	12	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	13	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	13	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	13	1608	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	13	1612	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	13	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	13	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	13	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	13	1844	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	13	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	950	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	14	954	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	1212	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	14	1216	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	14	1614	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	14	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	14	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	14	2218	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	1006	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	15	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	15	1224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	1604	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	15	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	15	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	15	1814	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	15	2228	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	16	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	16	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	3	16	1612	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	16	1616	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	16	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	16	1724	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	16	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	16	1814	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	16	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	17	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	17	1218	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	17	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	17	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	17	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	17	1724	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	17	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	18	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	18	1216	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	18	1604	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	18	1608	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	18	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	18	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	18	1806	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	18	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	18	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	1214	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	19	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	1612	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	19	1720	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	1724	H24	A1A	37	non	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	19	1816	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	1820	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	19	2234	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	19	2236	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	20	1216	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	20	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	20	1608	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	20	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	20	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	20	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	21	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	21	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	21	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	21	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	21	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	22	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	3	22	1224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	22	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	22	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	22	1708	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	22	1712	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	22	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	22	1824	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	22	2226	H24	A1A	15	non	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	23	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	23	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	23	1614	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	23	1618	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	23	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	23	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	23	1824	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	23	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	23	2226	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	24	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	24	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	24	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	24	1614	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	24	1706	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	24	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	24	1832	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	24	1836	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	24	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	25	1212	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	25	1640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	25	1644	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	25	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	25	1840	H24	A1A	37	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	25	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	26	1208	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	26	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	26	1604	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	26	1608	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	26	1712	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	26	1714	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	26	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	26	1834	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	26	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	27	1208	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	27	1212	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	27	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	3	27	1614	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	27	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	27	1714	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	27	1820	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	27	1824	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	27	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	28	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	28	1610	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	28	1716	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	28	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	28	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	29	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	29	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	29	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	29	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	30	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	30	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	30	1730	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	30	1832	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	30	2234	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	31	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	3	31	1214	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	31	1620	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	31	1710	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	31	1830	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	3	31	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039.2		2013	3	1	0925		A1A		RU	K	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2013	3	DY	<0300>		A1A		RUS	K	Petropavlovsk - Beacon K - RCC	RF72LQ	NZART	ZL1BAD
7039.4		2013	3	DY	<0300>		A1A		RUS	M	Magadan - Beacon M - RTS	RF72LQ	NZART	ZL1BAD
7039.5		2013	3	2	0900		A1A		RU	M	DAILY, HARBOUR BEACON. ROUGH NOTE.	QG52xi	WIA	
7039.9		2013	3	DY	<0300>		A1A		RUS	S	Severomorsk - Beacon S - RIT	RF72LQ	NZART	ZL1BAD
7040	0.5	2013	3	2	20:29		A1A				train of " K "		JARL	
7040	0.5	2013	3	3	22:19		A1A				train of " K "		JARL	
7040	0.5	2013	3	4	20:49		A1A				train of " K "		JARL	
7040	0.5	2013	3	6	21:18		A1A				train of " K "		JARL	
7040	0.5	2013	3	7	20:29		A1A				train of " K "		JARL	
7040	0.5	2013	3	16	19:51		A1A				train of " K " "M"		JARL	
7040	0.5	2013	3	21	21:09		A1A				train of " M "		JARL	
7040	0.5	2013	3	24	22:43		A1A				train of " K ", " M "		JARL	
7040	0.5	2013	3	26	22:24		A1A				train of " K ", " M "		JARL	
7040	0.5	2013	3	27	20:58		A1A				train of " K ", " M "		JARL	

7040	0.5	2013	3	29		21:30	A1A									train of " M "	JARL		
7040	0.5	2013	3	30		20:54	A1A									train of " M "	JARL		
		2013		18		1345										Out of band -			
7050	100		3		<1345>		P0H		?	Unid						spreading to 7050	RF72LQ	NZART	ZL1BAD
7054.0	1	2013	3	2	1935		F1B	200								CONTINUOUS	QG52xi	WIA	
		2013		3												Russian REA4			
7054			3		<1817>		F1B			RUS	REA4					Idling S6	RF73MF	NZART	ZL1GWE
7054		2013	3	16	<0400>	400	F1B	250		RUS	REA4					Russian Air Force	RF72LQ	NZART	ZL1BAD
7054		2013	3	28	<1915>	1915	F1B	250		RUS	Unid					Russian Air Force	RF72LQ	NZART	ZL1BAD
7054		2013	3	31	<2000>	2000	F1B	250		RUS	REA4					Russian Air Force	RF72LQ	NZART	ZL1BAD
7054	3	2013	3	18	1816	H24	F1B		non	non	non					unknown IDL only	PM97	JARL	non
7055.6	3	2013	3	18	1945		J3E/U									ASIAN, SOUNDS			
																CHINESE	QG52xi	WIA	
																10			
																SUBCARRIERS			
7060.0	5	2013	3	1	0935		G7D									ON 200 HZ	QG52xi	WIA	
7068.8		2013	3	25	1015		A1A									INTERVALS	QG52xi	WIA	
7075.0	5	2013	3	8	1625		G7DF									LETTER CIPHER	QG52xi	WIA	
																HF MANPACK	QG52xi	WIA	
																MIXED			
7088.8		2013	3	24	2030		A1A									NUMBER/LETTER			
7090.0	5	2013	3	24	2030		G7DF									CIPHER	QG52xi	WIA	
7090.7		2013	3	15	0935		N0N									HF MANPACK	QG52xi	WIA	
																DAILY	QG52xi	WIA	
																DAILY, VILLAGE			
																RADIO,			
7100.0	3	2013	3	15	0930		J3E/L			INS						MOSLEMS AT			
																PRAYER	QG52xi	WIA	
																DAILY SELCALL			
																TONES? VERY			
																SHORT,			
7104.0	3	2013	3	18	1940		F1B									REPEATED	QG52xi	WIA	
																Chinese Talk and			
7105	5	2013	3	1	2210	H24	A3E	273	CHN	PBS Nei	Meng					Music	PM97	JARL	Hohhot
																Chinese Talk and			
7105	3	2013	3	1	2216	H24	A3E	non	CHN	non	PBS Nei					Music	PM97	JARL	non
																Chinese Talk and			
7105	5	2013	3	2	2216	H24	A3E	273	CHN	non	PBS Nei					Music	PM97	JARL	Hohhot
																Chinese Talk and			
7105	3	2013	3	2	2220	H24	A3E	non	CHN	non	PBS Nei					Music	PM97	JARL	non
																Chinese Talk and			
7105	5	2013	3	3	2212	H24	A3E	273	CHN	non	PBS Nei					Music	PM97	JARL	Hohhot
																Chinese Talk and			
7105	3	2013	3	3	2218	H24	A3E	non	CHN	non	PBS Nei					Music	PM97	JARL	non
																Chinese Talk and			
7105	5	2013	3	4	2220	H24	A3E	273	CHN	non	PBS Nei					Music	PM97	JARL	Hohhot
																Chinese Talk and			
7105	3	2013	3	4	2226	H24	A3E	non	CHN	non	PBS Nei					Music	PM97	JARL	non
																Chinese Talk and			
7105	5	2013	3	5	2216	H24	A3E	273	CHN	non	PBS Nei					Music	PM97	JARL	Hohhot
																Chinese Talk and			
7105	3	2013	3	5	2220	H24	A3E	non	CHN	non						Music	PM97	JARL	non

7105	5	2013	3	6	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	6	2220	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	7	2216	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	7	2220	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	8	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	8	2220	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	9	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	9	2216	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	10	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	10	2220	H24	A1A	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	11	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	11	2216	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	12	2220	H24	A1A	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	12	2226	H24	A1A	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	12	2258	H24	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2013	3	13	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	13	2218	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	14	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	14	2212	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	15	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	15	2220	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	16	2214	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	16	2218	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	17	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	17	2214	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	18	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot

7105	3	2013	3	18	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	19	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	19	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	19	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	3	20	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	20	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	21	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	21	2212	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	22	2216	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	22	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	23	2216	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	23	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	24	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	24	2226	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	24	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	3	25	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	25	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	26	2218	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	26	2224	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	27	2230	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	27	2234	H24	A3E	non	RUS	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	27	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	3	28	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot

7105	3	2013	3	28	2226	H24	A3E	non	CHN	non	PBS Nei	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	29	2216	H24	A3E	273	CHN	non	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	29	2220	H24	A3E	non	CHN	non	PBS Nei	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	30	2220	H24	A3E	273	CHN	non	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	30	2226	H24	A3E	non	CHN	non	PBS Nei	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	3	31	2220	H24	A3E	273	CHN	non	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	3	31	2226	H24	A3E	non	CHN	non		Chinese Talk and Music	PM97	JARL	non
7110	4	2013 2013	3	22 28	<0040-0048>	1920	A3E		BRM	DOM.SER		HOME SERVICE PROGRAMME IN BURMESE CODAR 1 Pulse second.	MK82	ARSI	
7115	30		3		<1920>		VXX		?	Unid		continuous RANDOM INTERVAL SUBCARRIERS SW BROADCAST, RADIO HARGEISA	RF72LQ	NZART	ZL1BAD
7118.0	5	2013	3	18	1210		G7D						QG52xi	WIA	
7120.0	8	2013	3	30	1620		A3E		SOM				QG52xi	WIA	
7120.0	20	2013 2013	3	28	1200		VXX					CODAR SWEEPS B-C stn. Music & Talk	QG52xi	WIA	
7120			3		<1340>	1340-1830	A3E		?	Unid			RF72LQ	NZART	ZL1BAD
7120	5	2013	3	1	1820	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	5	2013	3	2	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	4	1824	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	5	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	6	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	7	1826	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	9	1820	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	10	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	11	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	12	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	13	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	14	1820	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non
7120	3	2013	3	15	1830	H24	A3E	non	non	non		unkown music and talk	PM97	JARL	non

7120	3	2013	3	16	1818	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	17	1830	H24	A3E	non	non	non	Beacon	PM97	JARL	non
7120	3	2013	3	18	1824	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	19	1832	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	20	1838	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	21	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	22	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	23	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	24	1826	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	25	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	26	1840	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	27	1830	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	28	1820	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	29	1828	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	30	1818	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	3	31	1840	H24	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7128.0		2013	3	20	1100		A1A				MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
7130	3.3	2013	3	28	<1505>	1505	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7132	3	2013	3	29	1840	H24	JM	non	non	non	unkown white noise	PM97	JARL	non
7135.0	40	2013	3	30	2025		VXX				CODAR SWEEPS	QG52xi	WIA	
		2013		29		955					CODAR 1 Pulse second.			
7135	30		3		<0955>		VXX		?	Unid	continuous	RF72LQ	NZART	ZL1BAD
7135.4	3	2013	3	5	1200		J3E/U			PHL	TAGALOG	QG52xi	WIA	
7140	5	2013	3	13	1810	H24	JM	non	non	non	white noise	PM97	JARL	non
7150.0	40	2013	3	24	2020		VXX				CODAR SWEEPS	QG52xi	WIA	
7160.0	20	2013	3	21	2015		P0N				BURSTS	QG52xi	WIA	
7165	3.3	2013	3	11	<1650>	1650	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
		2013		6		1710					B-C Stn.. Music & talk			
7170			3		<1710>		A3E		?	Unid		RF72LQ	NZART	ZL1BAD
7170	3.3	2013	3	28	<1505>	1505	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7175.0	8	2013	3	3	1725		A3E				SW BROADCAST	QG52xi	WIA	
7180.0	8	2013	3	1	0940		A3E				SW BROADCAST	QG52xi	WIA	
7185	5	2013	3	16	1842	H24	JM	non	non	non	white noise	PM97	JARL	non

7188.0	1	2013	3	5	1155	F1B			CONTINUOUS	QG52xi	WIA	
7190.0	5	2013	3	9	1950	G7DF			HF MANPACK	QG52xi	WIA	
7190	5	2013	3	9	<0240-0310.	A3E	CLN	SLBC	SOUTH ASIAN SERVICE OF SLBC IN HINDI	MK82	ARSI	
7193.4	3	2013	3	4	0955	J3E/U			DAILY, ASIAN	QG52xi	WIA	
7200.0	5	2013	3	17	0845	G7DF			HF MANPACK	QG52xi	WIA	
7200.0	8	2013	3	2	1930	A3E		SUD	DAILY, SW BROADCAST	QG52xi	WIA	
7240.0	100	2013	3	19	0910	P0N			CONTINUOUS	QG52xi	WIA	
10105.0	5	2013	3	16	0855	G7DF			HF MANPACK	QG52xi	WIA	
10115.0	5	2013	3	18	1950	G7DF			HF MANPACK	QG52xi	WIA	
10130.0	40	2013	3	5	2025	P0N			CONTINUOUS	QG52xi	WIA	
10140.0	8	2013	3	4	0950	A3E		KRE	SW BROADCAST	QG52xi	WIA	
10145.0	5	2013	3	15	2040	G7DF			HF MANPACK	QG52xi	WIA	
13098.3	3	2013	3	22	07:00--07:30	J3E/U	315	CLN	2 males out of 20m band	OF84wx	WIA	
13995.0	10	2013	3	23	0925	G7D			AROUND 50 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA	
14000.0	3	2013	3	13	0950	J3E/U			DAILY, ASIAN	QG52xi	WIA	
14000	3	2013	3	1	00:03--03:08	J3E/U	315	CLN	2 males on-off short calls, 3 to 4 per hr	OF84wx	WIA	VK6XW
14000	3	2013	3	1	06:10--08:50	J3E/U	315	CLN	Group of males, on-off	OF84wx	WIA	
14000	3	2013	3	1	23:13--23:17	J3E/U	315	CLN	2 males	OF84wx	WIA	
14000	3	2013	3	1	23:30--23:31	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA	
14000	3	2013	3	1	23:47--23:57	J3E/U	315	CLN	2 males	OF84wx	WIA	
14000	3	2013	3	2	00:50--01:15	J3E/U	315	CLN	2 males	OF84wx	WIA	
14000	3	2013	3	2	01:40--01:56	J3E/U	315	CLN	2 males	OF84wx	WIA	
14000	3	2013	3	2	02:43--06:08	J3E/U	315	CLN	2 males about 3 calls per hr	OF84wx	WIA	
14000	3	2013	3	2	06:45--09:25	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA	
14000	3	2013	3	2	23:00--00:10	J3E/U	315	CLN	Group of males	OF84wx	WIA	
14000	3	2013	3	3	00:32--01:30	J3E/U	315	CLN	Group of males very active	OF84wx	WIA	

14000	3	2013	3	3	03:10-- 05:05	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	3	22:35-- 22:36	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	3	3	22:40-- 23:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	6	23:06-- 23:07	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	3	6	23:45-- 00:03	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	7	00:25-- 00:37	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	7	06:16-- 06:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	7	22:50-- 00:26	J3E/U	315	CLN	2 males, a few short calls	OF84wx	WIA
14000	3	2013	3	8	02:23-- 02:39	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	8	09:25-- 09:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	8	23:30-- 23:45	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	9	04:35-- 04:52	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	9	<07:00-- 07:35	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	9	08:16-- 08:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	9	08:58-- 09:13	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	9	23:28-- 23:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	10	00:02-- 00:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	10	05:03-- 05:35	J3E/U	315	CLN	2 males, on-off	OF84wx	WIA
14000	3	2013	3	10	06:50-- 07:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	10	07:55-- 08:37	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	10	22:51-- 00:17	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	11	02:05-- 09:20	J3E/U	315	CLN	Group of males, on-off 4 to 5 times/hr	OF84wx	WIA

14000	3	2013	3	11	22:55-- 23:16	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	11	23:32-- 23:55	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	12	00:45-- 01:15>	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	12	<05:10-- 07:05	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	12	07:45-- 09:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	12	22:45-- 00:20	J3E/U	315	CLN	Group of males, very active	OF84wx	WIA
14000	3	2013	3	13	00:44-- 02:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	13	03:00-- 04:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	13	04:45-- 05:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	13	06:55-- 10:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	13	22:45-- 00:03	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	14	00:20-- 00:27	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	14	00:50-- 06:05	J3E/U	315	CLN	group of males	OF84wx	WIA
14000	3	2013	3	14	07:43-- 07:57	J3E/U	315	CLN	2 MALES	OF84wx	WIA
14000	3	2013	3	14	22:45-- 00:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	15	22:52-- 01:37	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	15	01:30-- 04:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	16	05:30-- 06:02	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	16	06:23-- 06:55	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	16	07:30-- 09:45	J3E/U	315	CLN	2 males	OF84WX	WIA
14000	3	2013	3	16	22:45-- 23:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	17	00:00-- 00:30	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2013	3	17	01:00-- 01:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	17	04:45-- 05:30	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	3	17	06:50-- 14:00	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	3	17	22:45-- 01:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	18	04:25-- 05:40	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	18	06:10-- 06:50	J3E/U	315	CLN	2 males on-off broadcasting music and singing	OF84wx	WIA
14000	3	2013	3	18	06:50-- 07:03	J3E/U	315	CLN	2 males re/broadcasting music and singing	OF84wx	WIA
14000	3	2013	3	18	07:38-- 09:10	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	3	18	22:45-- 00:05	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	22	07:30-- 09:20	J3E/U	315	CLN	Group of males, on--off	OF84wx	WIA
14000	3	2013	3	22	22:45-- 00:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	3	23	00:45-- 00:49	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	23	01:15-- 01:58	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	23	02:35-- 02:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	23	06:30-- 06:46	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	23	23:00-- 23:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	24	00:40-- 00:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	24	22:38-- 23:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	25	00:15-- 00:24	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	25	01:00-- 01:40	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	25	05:08-- 05:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	3	25	06:10-- 07:55	J3E/U	315	CLN	2 males, on-off	OF84wx	WIA

14000	3	2013	3	25	22:30-- 22:55	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	25	23:50-- 00:32	J3E/U	315	CLN	2 males, on--off	OF84wx	WIA		
14000	3	2013	3	26	22:45-- 01:00	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	27	08:35-- 10:50	J3E/U	315	CLN	2 males, on-off, 4 to 5 times ?hr	OF84wx	WIA		
14000	3	2013	3	27	23:04-- 00:30	J3E/U	315	CLN	Group of males	Of84wx	WIA		
14000	3	2013	3	28	00:52-- 01:30	J3E/U	315	CLN	2 males, 4 calls only	OF84wx	WIA		
14000	3	2013	3	28	05:10-- 05:23	J3E/U	315	CLN	2 males short calls only	OF84wx	WIA		
14000	3	2013	3	28	06:15-- 09:25	J3E/U	315	CLN	2 males, on-off 4 to 5 times /hr	OF84wx	WIA		
14000	3	2013	3	28	22:45-- 23:40	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	29	01:15-- 02:05	J3E/U	315	CLN	Group of males on-off	OF84wx	WIA		
14000	3	2013	3	29	03:50-- 05:25	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	29	08:08-- 08:50	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14000	3	2013	3	29	22:40-- 00:06	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	30	08:45-- 09:15	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	30	22:45-- 23:20	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	31	00:30-- 00:42	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	31	06:22-- 06:25	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA		
14000	3	2013	3	31	07:30-- 07:44	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2013	3	31	09:00-- 09:30	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14000	3	2013	3	31	23:20-- 23:30	J3E/U	315	CLN	2 males	OF84wx	WIA		
14000		2013		16	<0915>	915		?	Unid	Non-amateur stuns	RF72LQ	NZART	ZL1BAD
14001	3	2013	3	14	08:45-- 09:15	J3E/U	315	CLN	Group of males on-off, all talking	OF84wx	WIA		

14001	3	2013	3	15	00:40-- 01:00	J3E/U		315	CLN	2 males	OF84wx	WIA
14001	3	2013	3	27	<02:05-- 06:15	J3E/U		315	CLN	2 males, on-off 4 to 5 times ?hr	OF84wx	WIA
14001.3	3	2013	3	16	23:40-- 23:55	J3E/U		315	CLN	2 males , broadcast music and singing	OF84wx	WIA
14001.4	3	2013	3	7	01:05-- 01:37	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.4	3	2013	3	8	00:28-- 01:00	J3E/U		315	CLN	Group of males	OF84wx	WIA
14001.4	3	2013	3	9	01:20-- 01:26	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.4	3	2013	3	11	00:30-- 01:00	J3E/U		315	CLN	group of males	OF84wx	WIA
14001.4	3	2013	3	12	00:00-- 00:30	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.4	3	2013	3	29	02:42-- 02:56	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.6	3	2013	3	23	01:50-- 01:55	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.7	3	2013	3	26	00:35-- 00:45	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.7	3	2013	3	26	02:50-- 03:06	J3E/U		315	CLN	2 males	OF84wx	WIA
14001.7	3	2013	3	30	07:30-- 07:43	J3E/U		315	CLN	2 males	OF84wx	WIA
14002.5	3	2013	3	15	01:05-- 01:30	J3E/U		315	CLN	2 males	OF84wx	WIA
14004.8	3	2013	3	30	07:05-- 07:45	J3E/L		315	CLN	2 males	OF84wx	WIA
14007.8	3	2013	3	10	22:50-- 23:03	J3E/U		315	CLN	2 males	OF84wx	WIA
14008.0	1	2013	3	18	0825	F1B	250				QG52xi	WIA
14008.6	3	2013	3	5	1150	J3E/U				ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52xi	WIA
14014		2013	3	10	<0205- 0215>	J3E/U			CLN UNID		MK82	ARSI
14014		2013	3	22	<0150- 0215>	J3E/U			CLN UNID		MK82	ARSI
14015.0	3	2013	3	23	1015	J3E/U				ASIAN	QG52xi	WIA

14015.2	3	2013	3	13	1010	J3E/U				ASIAN	QG52xi	WIA		
14015.9	3	2013	3	19	2100	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14020.0	5	2013	3	15	2055	G7DF				HF MANPACK	QG52xi	WIA		
14024.0	3	2013	3	24	1020	J3E/U				ASIAN	QG52xi	WIA		
14028.0	3	2013	3	13	1010	J1C					QG52xi	WIA		
14028	3	2013	3	22	23:18-- 23:28	J3E/U		315	CLN	2 males	OF84wx	WIA		
14032		2013	3	16	<0240- 0250>	J3E/U			CLN UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
14035.8	3	2013	3	17	2020	J3E/U				DAILY, ASIAN, SOUNDS	QG52xi	WIA		
14036.7	3	2013	3	4	0940	J3E/U				CHINESE	QG52xi	WIA		
14038.6	3	2013	3	17	2050	J3E/U				ASIAN, SOUNDS	QG52xi	WIA		
14044.0	1	2013	3	6	0955	F1B	250			BAHASA	QG52xi	WIA		
14044.4	3	2013	3	30	0905	J3E/L				ASIAN	QG52xi	WIA		
14045.0	5	2013	3	14	0945	G7D				CONTINUOUS	QG52xi	WIA		
14048.0	3	2013	3	18	0050	J3E/U			PHL	8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA		
14050.0	5	2013	3	9	0125	G7DF				TAGALOG	QG52xi	WIA		
14050.3	3	2013	3	22	1050	J3E/U				HF MANPACK, HEARD MANY TIMES	QG52xi	WIA		
14053.5	3	2013	3	24	1025	J3E/U				ASIAN	QG52xi	WIA		
14054.0	3	2013	3	9	0715	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14055.5	3	2013	3	14	0950	J3E/U				ASIAN	QG52xi	WIA		
14056.4	3	2013	3	6	1005	J3E/U				ASIAN	QG52xi	WIA		
14056.6	3	2013	3	5	1000	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14060.0	5	2013	3	18	1000	G7DF				ASIAN	QG52xi	WIA		
14061		2013	3	21	<0645>	G7DF	645			HF MANPACK, HEARD MANY TIMES	QG52xi	WIA		
14070.0	20	2013	3	23	2255	P0N		330	? Unid	HF Man Pack S2	RF73MF	NZART	ZL1GWE	
14070		2013	3	21	<0135- 0210>	J3E/U			CLN UNID	OTHR	QG52xi	WIA		
14081		2013	3	21	<0628>	G7DF	628			SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI		
14082		2013	3	21	<0642>	G7DF	642			HF Man Pack S2	RF73MF	NZART	ZL1GWE	
14087		2013	3	21	<0633>	G7DF	633			8-PSK	RF73MF	NZART	ZL1GWE	
								330	? Unid	HF Man Pack S2	RF73MF	NZART	ZL1GWE	

14088.0		2013	3	28	0950		A1A				8-PSK MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14088		2013	3	21	<0630>	630	G7DF	330	?	Unid	HF Man Pack S1	RF73MF	NZART	ZL1GWE
14092.0	3	2013	3	25	1025		J3E/U				ASIAN	QG52xi	WIA	
14096.1	3	2013	3	4	0925		J3E/L				ASIAN	QG52xi	WIA	
14100.0	5	2013	3	9	0620		G7DF				HF MANPACK	QG52xi	WIA	
14104.0		2013	3	1	0910		A1A				MIXED NUMBER/LETTER CIPHER	QG52xi	WIA	
14107.8	3	2013	3	18	0945		J3E/U				DAILY, ASIAN FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14110	15	2013	3	24	<0005>	5	P0H		?	Unid	OTHR 5 Sec burst every 25 secs	RF72LQ	NZART	ZL1BAD
14111.1	3	2013	3	1	0915		J3E/L				ASIAN	QG52xi	WIA	
14123.5	3	2013	3	11	0840		J3E/U				ASIAN FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14125		2013	3	21	<0646>	646	G7DF	330	?	Unid	HF Man Pack S1	RF73MF	NZART	ZL1GWE
14128		2013	3	21	<0630>	630	G7DF		?	Unid	HF Man Pack S1	RF73MF	NZART	ZL1GWE
14130.0	5	2013	3	18	0735		G7D				8 PAIRS OF SUBCARRIERS ON 300HZ INTERVALS	QG52xi	WIA	
14133.0	5	2013	3	24	1025		G7D				10 SUBCARRIERS ON 90HZ INTERVALS	QG52xi	WIA	
14135		2013	3	16	<0915>	915	F7D		?	Unid	8 Channel - usually Russian	RF72LQ	NZART	ZL1BAD
14135		2013	3	26	<1010>	1010	F7D	330	?	Unid	8 Channel - usually Russian	RF72LQ	NZART	ZL1BAD
14139		2013	3	21	<0639>	639	G7DF	330	?	Unid	HF Man Pack S1	RF73MF	NZART	ZL1GWE
14140		2013	3	21	<0642>	642	G7DF	330	?	Unid	8-PSK HF Man Pack S2	RF73MF	NZART	ZL1GWE
14147		2013	3	21	<0619	619	G7DF	330	?	Unid	8-PSK HF Man Pack S2	RF73MF	NZART	ZL1GWE
14148.2	3	2013	3	18	0825		J3E/U				ASIAN, FAMILY NET	QG52xi	WIA	
14158.0	5	2013	3	25	1025		G7D				AT LEAST 5 PAIRS OF SUBCARRIERS ON 300 HZ INTERVALS	QG52xi	WIA	
14160	3.3	2013	3	29	<1000>	1000	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14166		2013	3	21	<0633>	633	G7DF		?	Unid	HF Man Pack S2	RF73MF	NZART	ZL1GWE

Frequency	Power	Year	Month	Day	Time	Modulation	Bandwidth	Mode	Notes	Carrier	Modulation	Bandwidth	Mode	Notes	
14172.0	5	2013	3	1	0915	G7D								DAILY, AT LEAST 12 SUBCARRIERS ON 200 HZ INTERVALS	
14172	3.3	2013	3	26	<1005>	M7B	1005		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD	
14172	3.3	2013	3	29	<1005>	M7B	1005		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD	
14174.0	5	2013	3	21	0710	G7D								AT LEAST 12 SUBCARRIERS ON 200 HZ INTERVALS	
14179		2013	3	21		G7DF	630				HF Man Pack S1	QG52xi	WIA		
14186.1	3	2013	3	28	<0630>	J3E/L			330	?	Unid	8-PSK	RF73MF	NZART	ZL1GWE
14192.0	1	2013	3	25	1030	F1B		200			ASIAN	QG52xi	WIA		
14192		2013	3	26	<1005>	F1B	1005		250	?	Unid	Idling only	RF72LQ	NZART	ZL1BAD
14196.9	3	2013	3	23	1020	J3E/U					ASIAN, SOUNDS	QG52xi	WIA		
14200.0	5	2013	3	18	0720	G7DF					CHINESE	QG52xi	WIA		
14205.0	3	2013	3	18	0825	J3E/U					HF MANPACK	QG52xi	WIA		
14211.5	3	2013	3	4	0935	J3E/U					ASIAN, FAMILY	QG52xi	WIA		
14216		2013	3	21	<0645>	G7DF	645				NET	QG52xi	WIA		
14220.0	3	2013	3	15	0955	J3E/L					FISHBOATS, ENGINE NOISE	QG52xi	WIA		
14220.0	5	2013	3	18	0830	G7DF					HF Man Pack S2	RF73MF	NZART	ZL1GWE	
14220		2013	3	29	<1915>	F1B	1915				8-PSK	RF72LQ	NZART	ZL1BAD	
14221.0	1	2013	3	18	0830	F1B		250		?	Unid	Idling only	RF72LQ	NZART	ZL1BAD
14229.6	3	2013	3	21	0850	J3E/L		200			CONTINUOUS	QG52xi	WIA		
14230	15	2013	3		HX	P0H					ASIAN, FAMILY	QG52xi	WIA		
14233		2013	3	DY	HX	G7DE	HX			?	Unid	NET	QG52xi	WIA	
14233		2013	3	DY	HX	G7DE/F	HX			?	Unid	OTHER Varying pulse length & timing - suspected	RF72LQ	NZART	ZL1BAD
14233		2013	3	DY	HX	G7DE	HX			?	Unid	JORN	RF72LQ	NZART	ZL1BAD
14237		2013	3	21	<0619>	G7DF	619				Unid	1 PSK	RF72LQ	NZART	ZL1BAD
14241.0	5	2013	3	3	0645	G7D					6 PSK	RF72LQ	NZART	ZL1BAD	
14243.1	3	2013	3	18	0950	J3E/U					HF Man Pack S2	RF72LQ	NZART	ZL1BAD	
14243.9	3	2013	3	18	0820	J3E/U			330	?	Unid	8-PSK	RF73MF	NZART	ZL1GWE
														12 SUBCARRIERS ON 200 HZ INTERVALS	
														ASIAN, SAME MESSAGE REPEATED. PRECEDED BY BEEP TONE.	

14245.0	1	2013	3	18	0800	F1B												SELCALL TONES? VERY SHORT, REPEATED	QG52xi	WIA			
14263.0	1	2013	3	17	0830	F1B	HIGH	250											QG52xi	WIA			
14265.0	5	2013	3	9	0700	G7DF													HF MANPACK	QG52xi	WIA		
14284.0	3	2013	3	17	0830	J3E/U													RUSSIAN MARTIAL MUSIC	QG52xi	WIA		
14285.0	5	2013	3	21	0700	G7DF													HF MANPACK	QG52xi	WIA		
14289.6	3	2013	3	11	0845	J3E/L													DAILY, ASIAN, FAMILY NET	QG52xi	WIA		
14298		2013	3	21	<0619>	G7DF	619		330	?	Unid								HF Man Pack S2 8-PSK	RF73MF	NZART	ZL1GWE	
14300.0	150	2013	3	24	1030	F3E													EXTREMELY WIDEBAND FM, ASIAN LANGUAGE	QG52xi	WIA		
14303.0	3	2013	3	31	0055	J3E/U				PHL									TAGALOG, FISHBOATS, ENGINE NOISE	QG52xi	WIA		
14310.0	3	2013	3	14	0945	J3E/L													ASIAN, FAMILY NET	QG52xi	WIA		
14315.0	5	2013	3	18	0820	G7DF													HF MANPACK	QG52xi	WIA		
14316.0	3	2013	3	11	0845	J3E/U													DAILY, ASIAN, FAMILY NET	QG52xi	WIA		
14321.1	3	2013	3	28	1000	J3E/U													ASIAN	QG52xi	WIA		
14328.0	3	2013	3	18	1025	J3E/U													ASIAN, WIPED OUT BY BELOW G7D	QG52xi	WIA		
14329.0	5	2013	3	18	1025	G7D													100'S OF SUBCARRIERS ON 50 HZ INTERVALS, CARRIER TONE	QG52xi	WIA		
14330		2013	3	21	<0619>	G7DF	619		330	?	Unid								HF Man Pack S2 8-PSK	RF73MF	NZART	ZL1GWE	
14330.6	3	2013	3	20	0815	J3E/U													ASIAN, FAMILY NET	QG52xi	WIA		
14331.7	3	2013	3	5	0915	J3E/U													ASIAN, FAMILY NET	QG52xi	WIA		
14331.8	3	2013	3	1	0920	J3E/L													ASIAN, FAMILY NET	QG52xi	WIA		
14333.3	3	2013	3	13	1015	J3E/U													ASIAN	QG52xi	WIA		
14334.4	3	2013	3	11	0845	J3E/L													ASIAN, FAMILY NET	QG52xi	WIA		
14335.0	5	2013	3	21	0705	G7DF													HF MANPACK	QG52xi	WIA		
14335.0	3	2013	3	18	0830	J3E/U													DAILY, ASIAN	QG52xi	WIA		
14336.9	3	2013	3	6	1000	J3E/U													ASIAN	QG52xi	WIA		
18070	30		3			P0H	HX												OTHR continuous 70 PPS. 18070 is centre freq	RF72LQ	NZART	ZL1BAD	
18080.0	30	2013	3	2	2345	VXX													FAST CODAR SWEEPS	QG52xi	WIA		

18145.0	5	2013	3	31	0050		G7DF				HF MANPACK	QG52xi	WIA		
18153		2013	3	23	<0459>	459	J3E/L	145	?	Unid	Non Amateurs Spanish speaking	RE54HF	NZART	ZL4IV	
20999.2	3	2013	3	14	0940		J3E/U				ASIAN	QG52xi	WIA		
21000.0	5	2013	3	24	0910		G7DF				HF MANPACK	QG52xi	WIA		
21000.0		2013	3	21	0840		N0N					QG52xi	WIA		
21000.0	3	2013	3	1	0930		J3E/U				DAILY, ASIAN ENCRYPTION INFO FOR VOCODER SSB	QG52xi	WIA		
21001.5	1	2013	3	2	1000		F1B	150			BELOW BAND	QG52xi	WIA		
21035.0	5	2013	3	16	0800		G7DF				HF MANPACK	QG52xi	WIA		
21040.0	3	2013	3	6	0950		J3E/L				ASIAN	QG52xi	WIA		
21045.5	123		3	31	<0515>	515	P0H				OTHR 49 PPS 4 second bursts	RF73MF	NZART	ZL1GWE	
21050.0	3	2013	3	9	0115		J3E/U		330	?	Unid	ASIAN	QG52xi	WIA	
21050.0	5	2013	3	2	1010		G7DF				DAILY, HF MANPACK	QG52xi	WIA		
21052.0	20	2013	3	6	0950		VXX				FAST CODAR	QG52xi	WIA		
21055.0	3	2013	3	3	0835		J3E/L				SWEEPS	QG52xi	WIA		
21055.0	5	2013	3	3	0150		G7DF				ASIAN	QG52xi	WIA		
21055.5	3	2013	3	14	0935		J3E/L				DAILY, HF MANPACK	QG52xi	WIA		
21057.0		2013	3	20	0730		A1A			DFKX	LETTER CIPHER, SOME CYRILLIC	QG52xi	WIA		
21060.0	5	2013	3	1	0910		G7DF				DAILY, HF MANPACK	QG52xi	WIA		
21064		2013	3	31	<0350>	350	G7DF				HF Man Pack S2	RF73MF	NZART	ZL1GWE	
21065.0	5	2013	3	29	0230		G7DF				8-PSK	RF73MF	NZART	ZL1GWE	
21069		2013	3	4	<0138>	138	G7DF				DAILY, HF MANPACK	QG52xi	WIA		
21070.0	5	2013	3	9	0705		G7DF				HF Man Pack S2	RF73MF	NZART	ZL1GWE	
21073.5	23		3	4	<0623>	623	P0H				DAILY, HF MANPACK	QG52xi	WIA		
21080.0	5	2013	3	10	0715		G7DF		330	?	Unid	OTHR 50 pps continuous S7	RF73MF	NZART	ZL1GWE
21107		2013	3	4	<0123>	123	G7DF				HF MANPACK HF Man Pack S2	QG52xi	WIA		
21110.8	3	2013	3	9	0710		J3E/L				8-PSK	RF73MF	NZART	ZL1GWE	
21111.2	3	2013	3	2	0525		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA		
21120.0	40	2013	3	31	0410		P0N				DAILY, ASIAN	QG52xi	WIA		
21122.9		2013	3	4	<0359>	359	G7DF				OTHR, BURSTS	QG52xi	WIA		
21127.5	12		3	24	<0643>	643	P0H				HF Man Pack S2	RF73MF	NZART	ZL1GWE	
21134		2013	3	4	<0359>	350	G7DF				8-PSK	RF73MF	NZART	ZL1GWE	
21140	20	2013	3	1	<2345>	2345-	P0H				OTHR 66 pps S7 4 second bursts	RF73Mf	NZART	ZL1GWE	
											HF Man Pack S1	RF73MF	NZART	ZL1GWE	
											8-PSK	RF73MF	NZART	ZL1GWE	
											OTHR Continuous	RF72LQ	NZART	ZL1BAD	

						2359					50 PPS			
21144.5	23	2013	3	1	<0150>	150	P0H	?	Unid		OTHR 47 pps S5-6	RF73MF	NZART	ZL1GWE
21150.0	40	2013	3	30	0030		P0N				OTHR, BURSTS	QG52xi	WIA	
21150		2013	3	4	<0127>	127	G7DF	?	Unid		HF Man Pack S2 8-PSK	RF73MF	NZART	ZL1GWE
21150		2013	3	4	<0127>	127	G7DF	?	Unid		HF Man Pack S2 8-PSK	RF73MF	NZART	ZL1GWE
21160.0	40	2013	3	26	0505		P0N				OTHR, BURSTS	QG52xi	WIA	
21170.0	100	2013	3	14	0930		P0N				OTHR, BURSTS	QG52xi	WIA	
21176		2013	3	31	<0347>	347	G7DF	?	Unid		HF Man Pack S1 8-PSK	RF73MF	NZART	ZL1GWE
21180.0	5	2013	3	10	0745		G7DF				HF MANPACK	QG52xi	WIA	
21180		2013	3	31	<0348>	348	G7DF	?	Unid		HF Man Pack S2 8-PSK	RF73MF	NZART	ZL1GWE
21189		2013	3	4	<0405>	405	G7DF	?	Unid		HF Man Pack S1 8-PSK	RF73MF	NZART	ZL1GWE
21200.0	1	2013	3	20	0730		G7D				2 SUBCARRIERS 900 HZ APART. TOR-LIKE MODE	QG52xi	WIA	
21210.0	10	2013	3	23	0345		P0N				OTHR, SHORT BURSTS, SLOW PULSE RATE	QG52xi	WIA	
21210.0	5	2013	3	23	0345		G7DF				HF MANPACK	QG52xi	WIA	
21210	20	2013	3	4	<0123>	123	VXX	?	Unid		CODAR 1.5 pps S3 18 seconds transmission	RF73MF	NZART	ZL1GWE
21210	20	2013	3	4	<0138>	138	VXX	?	Unid		CODAR 1.5 pps S3 18 seconds transmission	RF73MF	NZART	ZL1GWE
21210	20	2013	3	4	<0143>	639	VXX	?	Unid		CODAR 1.5 pps S3 18 seconds transmission	RF73MF	NZART	ZL1GWE
21210	20	2013	3	23	<0639>	656	VXX	?	Unid		CODAR 1.5 pps S3 18 seconds transmission	RF73MF	NZART	ZL1GWE
21220.5	19	2013	3	1	<0656>	2145	VXX	330	?	Unid	CODAR 2 pps S2-3 18 seconds transmission with a pip	RF73MF	NZART	ZL1GWE
21225	20	2013	3	4	<2145>	143	P0H	?	Unid		OTHR 4 sec blast every 35 secs. 70 PPS	RF72LQ	NZART	ZL1BAD
21230	20	2013	3	DY	<0143>		VXX	?	Unid		CODAR 1.5 pps S3 18 seconds transmission	RF73MF	NZART	ZL1GWE
21230		2013	3	4	HX	636	HX G7/DE/F	?	Unid		1 PSK 60 hops	RF72LQ	NZART	ZL1BAD
21244	12	2013	3	4	<0636>	626	P0H	330	?	Unid	OTHR 66pps S6 4 seconds bursts	RF73MF	NZART	ZL1GWE
21250.5	15		3		<0626>		P0H	330	?	Unid	25.7 kHz splatter	RF73MF	NZART	ZL1GWE
											OTHR 48 pps S7 Splatter 25 kHz 5 Second bursts	RF73MF	NZART	ZL1GWE

21251		2013	3	4	<0130>	130	G7DF		?	Unid	HF Man Pack S2 8-PSK OTHR, SHORT BURSTS	RF73MF	NZART	ZL1GWE	
21255.0	10	2013 2013	3	19 27	0815	530	P0N					QG52xi	WIA		
21256	66		3		<0530>		P0H		330	?	Unid	OTHR 66 pps S3 4 second bursts	RF73MF	NZART	ZL1GWE
21270.0	5	2013 2013	3	25 27	0905	530	G7DF					QG52xi	WIA		
21270	10		3		<0530>		P0H		330	?	Unid	pps 1.5 second bursts with a pip	Rf73MF	NZART	ZL1GWE
21282	24	2013	3	23	<0425>	0425- 0440	P0H		?	Unid	OTHR short burst S9	RF73IJ	NZART	ZL1TPH	
21285		2013	3	22	<2317>	2317	G7DE		?	Unid	8 PSK OTHR, SHORT BURSTS	RF72LQ	NZART	ZL1BAD	
21290.0	10	2013 2013	3	22 22	0650	646	P0N					QG52xi	WIA		
21292			3		<0646>		P0H		?	AUS	OTHR JORN Variable rate S3 together with central pip	RF73MF	NZART	ZL1GWE	
21293	14	2013	3	22	<0422>	0422- 0435	P0H		?	Unid	OTHR bursts, pharter S9	RF73IJ	NZART	ZL1TPH	
21300.0	20	2013 2013	3	15 14	0950	840	P0N					QG52xi	WIA		
21300	20		3		<0840>		P0H		?	Unid	CONTINUOUS OTHR 4 sec blast every 35 secs. 70 PPS	RF72LQ	NZART	ZL1BAD	
21302		2013	3	2	<0640>	640	G7DF		?	Unid	HF Man Pack S2 8-PSK OTHR bursts,	RF72MF	NZART	ZL1GWE	
21303	14	2013	3	23	<0348>	0348- 0418	P0H		?	Unid	pharter S9	RF73IJ	NZART	ZL1TPH	
21305.5	23	2013 2013	3	24 24	<0643>	643 350	P0H		330	?	Unid	OTHR 67 pps S8 4 second bursts OTHR 4 sec blast every 35 secs. 70 PPS	RF73MF	NZART	ZL1GWE
21310	20		3		<0350>		P0H		?	Unid	OTHR 67 pps S6	RF72LQ	NZART	ZL1BAD	
21316	24	2013 2013	3	23 23	<0639>	639 704	P0H		330	?	Unid	OTHR loud bursts, very strong	Rf73MF	NZART	ZL1GWE
21332.5	19		3		<0704>		P0H		?	Unid	OTHR 47 pps S8	RF73IJ	NZART	ZL1TPH	
21346.5	27	2013	3	1	<0436>	436	P0H		330	?	Unid	OTHR, BURSTS	RF73MF	NZART	ZL1GWE
21350.0	20	2013	3	23	0530		P0N					QG52xi	WIA		
21351.5	19	2013 2013	3	23 4	<0639>	639 641	P0H		330	?	Unid	OTHR 68 pps S7 HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21361			3		<0641>		G7DF		?	Unid	4 PAIRS OF SUBCARRIERS ON 200 HZ CENTRES	RF73MF	NZART	ZL1GWE	
21362.0	4	2013 2013	3	25 26	0900	637	G7D					QG52xi	WIA		
21363	4		3		<0637>		J7D	75	330	?	CHN	Chinese 4+4 75 Baud PSK4B S3 encrypted DQPSK Diplomatic	RF73MF	NZART	ZL1GWE
21364.0	4	2013	3	21	0655		G7D					QG52xi	WIA		

28190.0	100	2013	3	6	0830		A2A					LIKE MCW ONLY					
		2013		31		325						VERY BROAD	QG52xi	WIA			
28193			3		<0325>		A3E		330	?	CHN	Chinese S4 AM					
28195.0	6	2013	3	1	0015		A3E					intruder	RF73MF	NZART	ZL1GWE		
28200.0	6	2013	3	8	0905		F3E					ASIAN	QG52xi	WIA			
28205.0	6	2013	3	1	0015		A3E					ASIAN	QG52xi	WIA			
28210.0	6	2013	3	11	0900		A3E					ASIAN	QG52xi	WIA			
28212.5	6	2013	3	1	0015		F3E					ASIAN	QG52xi	WIA			
28215.0	6	2013	3	1	0015		A3E					ASIAN	QG52xi	WIA			
28218.3	3	2013	3	10	0530		J3E/U					ASIAN	QG52xi	WIA			
28220.0	6	2013	3	8	0905		F3E					ASIAN	QG52xi	WIA			
28220.0	100	2013	3	8	0845		A2A					LIKE MCW ONLY					
												VERY BROAD	QG52xi	WIA			
28225.0	6	2013	3	1	0015		F3E					ASIAN	QG52xi	WIA			
28230.0	3	2013	3	30	0000		J3E/U					ASIAN	QG52xi	WIA			
28230.0	100	2013	3	6	0920		A2A					LIKE MCW ONLY					
				28		HX						VERY BROAD	QG52xi	WIA			
28230			3		HX		G7DE/F			?	Unid	HF Man Pack					
28231.0	6	2013	3	6	0830		A3E					1PSK	RF72LQ	NZART	ZL1BAD		
28235.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28237.5	6	2013	3	16	0010		A3E					ASIAN	QG52xi	WIA			
28245.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
				31		0613-0631						OTHR S9 assume					
28246	32		3		<0613>		P0H			?	Unid	Cyprus	RF73IJ	NZART	ZL1TPH		
28250.0	5	2013	3	16	0015		G7DF					HF MANPACK	QG52xi	WIA			
28250.0	6	2013	3	1	0020		F3E					ASIAN	QG52xi	WIA			
28252.7		2013	3	6	0922		A1A				FX0	DRIFTNET					
												BEACON	QG52xi	WIA			
28255.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28262.5	6	2013	3	14	0900		A3E					ASIAN	QG52xi	WIA			
				31		411						HF Man Pack S1					
28264			3		<0411>		G7DF		330	?	Unid	8-PSK	RF73MF	NZART	ZL1GWE		
28265.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28275.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28280.0	100	2013	3	8	0850		A2A					LIKE MCW ONLY					
												VERY BROAD	QG52xi	WIA			
28280.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28283.0	6	2013	3	9	2350		A3E					ASIAN	QG52xi	WIA			
28285.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			
28287.5	6	2013	3	11	0900		A3E					ASIAN	QG52xi	WIA			
28290.0	6	2013	3	10	0840		A3E					ASIAN	QG52xi	WIA			
28295.0	6	2013	3	1	0020		F3E					ASIAN	QG52xi	WIA			
				31		328						Chinese S4 AM					
28296			3		<0328>		A3E		330	?	CHN	intruder	RF73MF	NZART	ZL1GWE		
28300.0	6	2013	3	9	0150		A3E					ASIAN	QG52xi	WIA			
28305.0	6	2013	3	1	0020		A3E					ASIAN	QG52xi	WIA			

28315.0	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28325.0	6	2013	3	1	0020	F3E				ASIAN	QG52xi	WIA	
28328.0	6	2013	3	31	0020	A3E				ASIAN	QG52xi	WIA	
28335.0	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28337.5	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28350.0	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28355.0	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28358			3	31	<2242>	G7DF	2242	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART ZL1GWE
28362.5	6	2013	3	6	0930	A3E				ASIAN	QG52xi	WIA	
28365.0	6	2013	3	1	0020	A3E				ASIAN	QG52xi	WIA	
28375.0	6	2013	3	1	0020	F3E				ASIAN	QG52xi	WIA	
28382.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28385.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28387.5	6	2013	3	9	0810	A3E				ASIAN	QG52xi	WIA	
28395.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28400.0	6	2013	3	14	0900	F3E				ASIAN	QG52xi	WIA	
28400			3	31	<2311>	A3E	2311	330	?	Unid	Chinese Non Amateur AM S3	RF73MF	NZART ZL1GWE
28405.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28410.0	6	2013	3	25	0910	A3E				ASIAN	QG52xi	WIA	
28412.5	6	2013	3	21	0815	A3E				ASIAN	QG52xi	WIA	
28415.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28425.0	6	2013	3	1	0025	F3E				ASIAN	QG52xi	WIA	
28435.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28437.5	6	2013	3	1	0900	A3E				ASIAN	QG52xi	WIA	
28440.0	100	2013	3	7	0900	A2A				LIKE MCW ONLY VERY BROAD	QG52xi	WIA	
28450.0	6	2013	3	3	0610	A3E				ASIAN	QG52xi	WIA	
28455.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28465.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28475.0	6	2013	3	1	0025	F3E				ASIAN	QG52xi	WIA	
28485.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28490.0	6	2013	3	2	0510	A3E				ASIAN	QG52xi	WIA	
28500.0	6	2013	3	9	2350	A3E				ASIAN	QG52xi	WIA	
28505.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28515.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28525.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28530.0	6	2013	3	9	0815	A3E				ASIAN	QG52xi	WIA	
28535.0	6	2013	3	1	0025	A3E				ASIAN	QG52xi	WIA	
28537.5	6	2013	3	2	0120	A3E				ASIAN	QG52xi	WIA	
28540.0	100	2013	3	9	0815	A2A				LIKE MCW ONLY VERY BROAD	QG52xi	WIA	
28545.0	6	2013	3	1	0050	A3E				ASIAN	QG52xi	WIA	
28550.0	6	2013	3	11	0905	A3E				ASIAN	QG52xi	WIA	
28555.0	6	2013	3	1	0050	A3E				ASIAN	QG52xi	WIA	

28560.0	6	2013	3	7	0905	A3E	ASIAN	QG52xi	WIA
28565.0	6	2013	3	1	0050	A3E	ASIAN	QG52xi	WIA
28567.5	6	2013	3	6	0930	A3E	ASIAN	QG52xi	WIA
28575.0	6	2013	3	1	0050	A3E	ASIAN	QG52xi	WIA
28585.0	6	2013	3	1	0050	A3E	ASIAN	QG52xi	WIA
28587.5	6	2013	3	3	0610	A3E	ASIAN	QG52xi	WIA
28595.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28600.0	6	2013	3	1	0830	A3E	ASIAN	QG52xi	WIA
28605.0	6	2013	3	2	0120	A3E	ASIAN	QG52xi	WIA
28615.0	6	2013	3	1	0820	A3E	ASIAN	QG52xi	WIA
28620.0	6	2013	3	21	0820	A3E	ASIAN ASIAN MUSIC, FOLLOWED BY 2 WAY	QG52xi	WIA
28625.0	6	2013	3	7	0905	A3E	CONVERSATION	QG52xi	WIA
28625.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28635.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28645.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28650.0	100	2013	3	11	0905	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28650.0	6	2013	3	2	0120	A3E	ASIAN	QG52xi	WIA
28655.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28662.5	6	2013	3	1	0810	F3E	ASIAN	QG52xi	WIA
28665.0	6	2013	3	1	0805	A3E	ASIAN	QG52xi	WIA
28672.0	6	2013	3	7	0905	A3E	ASIAN	QG52xi	WIA
28675.0	6	2013	3	1	0805	A3E	ASIAN	QG52xi	WIA
28685.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28687.5	6	2013	3	9	0815	A3E	ASIAN LIKE MCW ONLY	QG52xi	WIA
28690.0	100	2013	3	21	0825	A2A	VERY BROAD	QG52xi	WIA
28692.0	6	2013	3	2	0120	A3E	ASIAN	QG52xi	WIA
28695.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28700.0	100	2013	3	11	0925	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28700.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28705.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28710.0	100	2013	3	9	0820	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28715.0	6	2013	3	1	0745	A3E	ASIAN	QG52xi	WIA
28720.0	100	2013	3	31	0510	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28725.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28735.0	6	2013	3	1	0740	A3E	ASIAN	QG52xi	WIA
28740.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28745.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28750.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28755.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA

28760.0	6	2013	3	1	0740	A3E	ASIAN	QG52xi	WIA
28762.5	6	2013	3	1	0740	A3E	ASIAN	QG52xi	WIA
28765.0	6	2013	3	1	0055	F3E	ASIAN	QG52xi	WIA
28770.0	6	2013	3	18	0030	A3E	ASIAN	QG52xi	WIA
28775.0	6	2013	3	1	0735	A3E	ASIAN	QG52xi	WIA
28780.0	6	2013	3	25	0915	A3E	ASIAN	QG52xi	WIA
28787.5	6	2013	3	1	0735	A3E	ASIAN	QG52xi	WIA
28795.0	6	2013	3	10	0850	A3E	ASIAN	QG52xi	WIA
28800.0	8	2013	3	31	0030	A3E	ASIAN SW BROADCAST	QG52xi	WIA
28800.0	6	2013	3	1	0735	A3E	ASIAN	QG52xi	WIA
28805.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28812.5	6	2013	3	1	0725	A3E	ASIAN	QG52xi	WIA
28815.0	6	2013	3	9	0820	A3E	ASIAN	QG52xi	WIA
28825.0	6	2013	3	16	0715	A3E	ASIAN	QG52xi	WIA
28835.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28837.5	6	2013	3	3	0055	A3E	ASIAN	QG52xi	WIA
28850.0	6	2013	3	1	0715	A3E	ASIAN	QG52xi	WIA
28855.0	6	2013	3	2	0125	A3E	ASIAN	QG52xi	WIA
28862.5	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28865.0	6	2013	3	24	0850	A3E	ASIAN	QG52xi	WIA
28870.0	100	2013	3	11	0930	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28875.0	6	2013	3	1	0055	F3E	ASIAN	QG52xi	WIA
28887.5	6	2013	3	1	0715	A3E	ASIAN	QG52xi	WIA
28900.0	6	2013	3	6	0935	F3E	ASIAN	QG52xi	WIA
28905.0	6	2013	3	1	0055	A3E	ASIAN	QG52xi	WIA
28912.5	6	2013	3	3	0615	F3E	ASIAN	QG52xi	WIA
28915.0	6	2013	3	1	0650	A3E	ASIAN	QG52xi	WIA
28925.0	6	2013	3	1	0650	F3E	ASIAN	QG52xi	WIA
28937.5	6	2013	3	1	0100	F3E	ASIAN	QG52xi	WIA
28940.0	6	2013	3	17	0710	A3E	ASIAN	QG52xi	WIA
28950.0	6	2013	3	2	0130	F3E	ASIAN	QG52xi	WIA
28962.5	6	2013	3	17	0710	A3E	ASIAN	QG52xi	WIA
28965.0	6	2013	3	16	0720	A3E	ASIAN	QG52xi	WIA
28975.0	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
28980.0	8	2013	3	1	0635	A3E	SW BROADCAST	QG52xi	WIA
28985.0	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
28987.5	6	2013	3	1	0635	F3E	ASIAN	QG52xi	WIA
28995.0	6	2013	3	15	2355	A3E	ASIAN	QG52xi	WIA
29000.0	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
29012.5	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
29025.0	6	2013	3	1	0630	F3E	ASIAN	QG52xi	WIA
29035.0	6	2013	3	31	2310	A3E	ASIAN	QG52xi	WIA
29037.5	6	2013	3	1	0630	F3E	ASIAN	QG52xi	WIA
29042.0	6	2013	3	2	0135	F3E	ASIAN	QG52xi	WIA

29045.0	6	2013	3	21	0830	A3E	ASIAN	QG52xi	WIA
29050.0	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
29062.5	6	2013	3	15	2355	A3E	ASIAN	QG52xi	WIA
29065.0	6	2013	3	2	0515	A3E	ASIAN	QG52xi	WIA
29070.0	6	2013	3	16	0720	A3E	ASIAN	QG52xi	WIA
29075.0	6	2013	3	6	0935	A3E	ASIAN	QG52xi	WIA
29087.5	6	2013	3	9	0820	A3E	ASIAN	QG52xi	WIA
29100.0	6	2013	3	1	0600	F3E	ASIAN	QG52xi	WIA
29112.5	6	2013	3	13	0930	A3E	ASIAN	QG52xi	WIA
29125.0	6	2013	3	1	0100	A3E	ASIAN	QG52xi	WIA
29135.0	6	2013	3	2	0135	A3E	ASIAN	QG52xi	WIA
29137.5	6	2013	3	1	0105	A3E	ASIAN	QG52xi	WIA
29140.0	6	2013	3	14	0910	A3E	ASIAN	QG52xi	WIA
29150.0	6	2013	3	1	0105	F3E	ASIAN	QG52xi	WIA
29155.0	6	2013	3	1	0555	A3E	ASIAN	QG52xi	WIA
29162.5	6	2013	3	1	0105	F3E	ASIAN	QG52xi	WIA
29175.0	6	2013	3	1	0105	F3E	ASIAN	QG52xi	WIA
29187.5	6	2013	3	3	0805	F3E	ASIAN	QG52xi	WIA
29200.0	6	2013	3	1	0105	F3E	ASIAN	QG52xi	WIA
29212.5	6	2013	3	30	0010	F3E	ASIAN	QG52xi	WIA
29215.0	6	2013	3	21	0830	A3E	ASIAN	QG52xi	WIA
29220.0	6	2013	3	6	0940	A3E	ASIAN	QG52xi	WIA
29225.0	6	2013	3	1	0105	F3E	ASIAN	QG52xi	WIA
29237.5	6	2013	3	1	0535	A3E	ASIAN	QG52xi	WIA
29250.0	6	2013	3	1	0105	A3E	ASIAN	QG52xi	WIA
29262.5	6	2013	3	1	0535	A3E	ASIAN	QG52xi	WIA
29265.0	6	2013	3	21	0830	A3E	ASIAN	QG52xi	WIA
29275.0	6	2013	3	1	0535	F3E	ASIAN	QG52xi	WIA
29287.5	6	2013	3	2	0140	A3E	ASIAN	QG52xi	WIA
29300.0	6	2013	3	1	0105	A3E	ASIAN	QG52xi	WIA
29312.5	6	2013	3	16	0725	A3E	ASIAN	QG52xi	WIA
29325.0	6	2013	3	3	0620	A3E	ASIAN	QG52xi	WIA
29335.0	6	2013	3	11	0930	A3E	ASIAN	QG52xi	WIA
29350.0	6	2013	3	1	0355	F3E	ASIAN	QG52xi	WIA
29362.5	6	2013	3	11	0935	A3E	ASIAN	QG52xi	WIA
29375.0	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA
29385.0	6	2013	3	20	0715	A3E	ASIAN	QG52xi	WIA
29387.5	6	2013	3	1	0330	A3E	ASIAN	QG52xi	WIA
29390.0	6	2013	3	15	2355	A3E	ASIAN	QG52xi	WIA
29395.0	6	2013	3	9	0825	A3E	ASIAN	QG52xi	WIA
29400.0	6	2013	3	1	0315	A3E	ASIAN	QG52xi	WIA
29412.5	6	2013	3	1	0310	A3E	ASIAN	QG52xi	WIA
29425.0	1	2013	3	3	0805	F1B	DAILY, CONTINUOUS	QG52xi	WIA
29425.0	6	2013	3	1	0305	F3E	ASIAN	QG52xi	WIA

29435.0	6	2013	3	10	0000	A3E	ASIAN	QG52xi	WIA
29437.5	6	2013	3	2	0520	F3E	ASIAN	QG52xi	WIA
29445.0	6	2013	3	16	0725	A3E	ASIAN	QG52xi	WIA
29450.0	6	2013	3	1	0240	A3E	ASIAN	QG52xi	WIA
29455.0	6	2013	3	16	0725	A3E	ASIAN	QG52xi	WIA
29462.5	6	2013	3	1	0235	A3E	ASIAN	QG52xi	WIA
29475.0	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA
29485.0	6	2013	3	31	2315	A3E	ASIAN	QG52xi	WIA
29487.5	6	2013	3	10	0005	F3E	ASIAN	QG52xi	WIA
29500.0	6	2013	3	1	0110	A3E	ASIAN	QG52xi	WIA
29512.5	6	2013	3	7	0945	A3E	ASIAN	QG52xi	WIA
29515.0	6	2013	3	11	0940	A3E	ASIAN	QG52xi	WIA
29525.0	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA
							ASIAN MUSIC, FOLLOWED BY 2 WAY		
29525.0	8	2013	3	14	0910	A3E	CONVERSATION	QG52xi	WIA
29537.5	6	2013	3	8	0935	A3E	ASIAN	QG52xi	WIA
29550.0	6	2013	3	1	0200	A3E	ASIAN	QG52xi	WIA
29560.0	20	2013	3	3	0625	P0N	OTHR, CONTINUOUS	QG52xi	WIA
29575.0	6	2013	3	1	0155	F3E	ASIAN	QG52xi	WIA
29600.0	8	2013	3	3	0625	F3E	ASIAN, NOT AMATEUR	QG52xi	WIA
29612.5	6	2013	3	17	0715	F3E	ASIAN	QG52xi	WIA
29615.0	6	2013	3	31	0035	A3E	ASIAN	QG52xi	WIA
29625.0	6	2013	3	1	0140	A3E	ASIAN	QG52xi	WIA
29637.5	6	2013	3	1	0140	A3E	ASIAN	QG52xi	WIA
29650.0	6	2013	3	1	0130	F3E	ASIAN	QG52xi	WIA
29655.0	6	2013	3	10	0915	A3E	ASIAN	QG52xi	WIA
29662.5	6	2013	3	2	0145	F3E	ASIAN	QG52xi	WIA
29675.0	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA
29687.5	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA
29700.0	6	2013	3	1	0110	F3E	ASIAN	QG52xi	WIA