



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



January 2013

Peter Young VK3MV

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

This month there were 876 observations made across the Region, as compared to last month of 1025.

Reports indicate the Radio Burma operations on 7110 kHz have ceased. R3 has not removed this intruder from our watch lists. Any further updates/ reports appreciated.

R1 reports OHR are operational on 10 meters. No reports have been received to date in R3

A number OHR have been logged on 15 meters the month. Some of these have been operating in a sequence of two to three frequencies.

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
3584	3	2013	1	4	1830		J1C						DAILY	QG52xi	WIA	VK4TJ
3623	3	2013	1	4	1830		J1C						DAILY	QG52xi	WIA	
3641.9		2013	1	29	1920		A1A					3A7D	QTC LIST	QG52xi	WIA	
3797		2013	1	29	1905		A1A					DRV8	H2FL DE DRV8	QG52xi	WIA	
3797	0.5	2013	01	17		23:10	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	03		18:25	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	08		21:57	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	10		19:38	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	13		19:36	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	16		20:21	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	19		19:58	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	21		22:23	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	22		22:42	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	27		21:19	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3798	0.5	2013	01	30		21:22	A1A						h2fl h2fl h2fl de drvz drvz V		JARL	
3799.6	1	2013	1	29	1905		F1B		200					QG52xi	WIA	
3803	0.5	2013	01	15		22:10	A1A						random number		JARL	
3804	0.5	2013	01	16		20:22	A1A						random number		JARL	
3804	0.5	2013	01	22		22:44	A1A						random number		JARL	
3804	0.5	2013	01	27		21:20	A1A						random number		JARL	
													DAILY, OTHR, SPILLS INTO			
6990	50	2013	1	3	1910		P0N						AMATEUR BAND	QG52xi	WIA	
7000	6	2013	1	5	1010		A2A						DAILY, QRS CW	QG52xi	WIA	
7000	3	2013	1	19	1030		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7000		2013	01	24	<1550>	1550	P0N				?	Unid	OTHR out of band, spreading to 7010	RF72LQ	NZART	ZL1BAD
7000		2013	01	DY	H24	H24	J3E/U				?	Unid	Non-amateurs - when OTHR is not present	RF72LQ	NZART	ZL1BAD
7001	3.3	2013	01	02	<1200>	1200	M7B				?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7005	3	2013	1	21	1025		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7005	3	2013	1	28	1010		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010	3	2013	1	5	1010		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010	3	2013	1	5	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	

7012	1	2013	1	17	2000	F1B	250				DAILY, VILLAGE	QG52xi	WIA	
7015	3	2013	1	23	0955	J3E/L		INS			RADIO	QG52xi	WIA	
											10 SUBCARRIERS ON 200 HZ INTERVALS			
7015	5	2013	1	23	0950	G7D					DAILY, VILLAGE	QG52xi	WIA	
7015	3	2013	1	21	1025	J3E/U		INS			RADIO	QG52xi	WIA	
7020	3	2013	1	21	1025	J3E/L		INS			DAILY, VILLAGE	QG52xi	WIA	
7020	3	2013	1	23	1610	J3E/U		INS			RADIO	QG52xi	WIA	
7024	3	2013	1	11	1930	J3E/U					ASIAN	QG52xi	WIA	
7025	3	2013	1	3	1905	J3E/U					ASIAN, SOUNDS CHINESE	QG52xi	WIA	
7030	3	2013	1	4	1840	J3E/L		INS			DAILY, VILLAGE	QG52xi	WIA	
7038.7		2013	1	3	1900	A1A		RU	D		DAILY, HARBOUR BEACON	QG52xi	WIA	
7038.8		2013	1	12	1910	A1A		RU	P		DAILY, HARBOUR BEACON	QG52xi	WIA	
7039		2013	1	11	1930	A1A		RU	C		DAILY, HARBOUR BEACON	QG52xi	WIA	
7039		2013	01	DY	<0330>	A1A		RUS	A		Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7039		2013	01	DY	<0330>	A1A		RUS	F		Vladivostok - Beacon F - RJS	RF72LQ	NZART	ZL1BAD
7039		2013	01	DY	<0330>	A1A		RUS	P		Kaliningrad - Beacon P - RMP	RF72LQ	NZART	ZL1BAD
7039	0.5	2013	01	01	1010	A1A	anytime	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	01	1220	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	01	1608	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	01	1710	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	01	1830	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	01	2220	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	1010	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	1220	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	1610	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	1720	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	1830	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	2240	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	02	2306	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	1020	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	1230	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	1604	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	1710	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	1826	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	2250	A3E		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	03	2306	A1A		37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2013	01	04	1006	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	04	1210	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	04	1604	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	04	1720	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	04	1810	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	04	2224	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	05	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	05	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	05	1704	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	05	1840	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	05	2230	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	06	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	06	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	06	1730	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	06	1830	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	06	2250	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	07	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	07	1604	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	07	1930	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	07	2244	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	08	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	08	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	08	1704	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	08	1840	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	08	2226	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	09	1212	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	09	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	09	1720	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	09	1830	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	09	2230	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	10	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	10	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	10	1840	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	10	2230	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	11	1220	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	11	1604	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	K

7039	0.5	2013	01	13	1230	anytime	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	13	1620		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	13	1710		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	13	1818		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	13	2224		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	13	2230		A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	14	1210		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	14	1606		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	14	1720		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	14	1828		A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
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7039	0.5	2013	01	14	2220		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	15	1210		A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	15	1214		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	15	1604		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	15	1710		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	15	1826		A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	15	1830		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	15	2216		A1A	15	CHN	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	15	2218		A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	16	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	16	1214	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	16	1620	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	16	1710	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	16	1820	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	16	2230	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	16	2234	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	17	1204	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	17	1210	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	17	1620	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
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7039	0.5	2013	01	18	1720	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	18	1824	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	18	1826	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	18	2226	A1A	15	CHN	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	18	2230	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	
7039	0.5	2013	01	19	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan	
7039	0.5	2013	01	19	1214	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy	

7039	0.5	2013	01	19	1612	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	19	1720	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	19	1818	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	19	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	19	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	19	2224	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	20	1212	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	20	1610	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	20	1720	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	20	1836	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	20	1840	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	20	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	20	2224	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	21	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	21	1606	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	21	1710	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	21	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	21	1836	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	21	2224	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	22	1328	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	22	1332	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	22	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	22	1614	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	22	1720	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	22	1724	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	22	1836	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	22	1840	anytime A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	22	2226	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	23	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	23	1224	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	23	1604	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	23	1710	A1A	15	non	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	23	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	23	1826	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	23	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	24	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	24	1214	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	24	1630	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	24	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	24	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	25	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	25	1214	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	25	1640	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	25	1820	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	25	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2013	01	26	1206	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	26	1210	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	26	1640	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	26	1644	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	26	1730	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	26	1734	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	26	1820	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	26	1824	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	26	2240	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	27	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	27	1224	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	27	1640	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	27	1712	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	27	1826	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	27	2230	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	28	1206	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	28	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	28	1730	anytime A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	28	1840	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	28	1846	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	28	2220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	29	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	29	1224	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	29	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	29	1724	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	29	1828	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	29	1840	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	29	2230	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	30	1214	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	30	1220	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	30	1630	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	30	1634	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	30	1720	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	30	1836	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	30	2230	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	31	1212	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	31	1216	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	31	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	31	1614	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	31	1712	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	31	1716	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	31	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2013	01	31	1834	A1A	37	RUS	K--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2013	01	31	2220	anytime A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039		2013	01	DY	<0330>	0330- A1A		RUS	C	Moscow - Beacon	RF72LQ	NZART	ZL1BAD

										2200				C - RIW			
7039.2		2013	1	3	1900		A1A			RU	A		DAILY, HARBOUR BEACON	QG52xi	WIA		
7039.2		2013	1	3	1900		A1A			RU	K		DAILY, HARBOUR BEACON	QG52xi	WIA		
7039.3		2013	01	DY	<0330>	0330-2200	A1A			RUS	K		Petropavlovsk - Beacon K - RCC	RF72LQ	NZART	ZL1BAD	
7039.4		2013	01	DY	<0330>	0330-2200	A1A			RUS	M		Magadan - Beacon M - RTS	RF72LQ	NZART	ZL1BAD	
7039.5		2013	1	3	1900		A1A			RU	M		DAILY, HARBOUR BEACON	QG52xi	WIA		
7039.9		2013	01	DY	<0330>	0330-2200	A1A			RUS	S		Severomorsk - Beacon S - RIT	RF72LQ	NZART	ZL1BAD	
7040	0.5	2013	01	03		18:28	A1A						train of " K "		JARL		
7040	0.5	2013	01	08		22:03	A1A						train of " K "		JARL		
7040	0.5	2013	01	10		19:40	A1A						train of " K "		JARL		
7040	0.5	2013	01	11		17:27	A1A						train of " K ", " M "		JARL		
7040	0.5	2013	01	13		19:40	A1A						train of " K "		JARL		
7040	0.5	2013	01	15		22:22	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	16		20:23	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	17		23:12	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	19		20:00	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	21		22:24	A1A						train of " M "		JARL		
7040	0.5	2013	01	22		22:46	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	27		21:22	A1A						train of " M ", " K "		JARL		
7040	0.5	2013	01	30		21:24	A1A						train of " M ", " K "		JARL		
7042.6	10	2013	1	3	1900		A2A			RU	D		HARBOUR BEACON, BROAD A2A SIDEBANDS	QG52xi	WIA		
7054	5	2013	1	12	1910		G7DF						HF MANPACK	QG52xi	WIA		
7063	1	2013	1	17	1955		F1B	250						QG52xi	WIA		
7075	3.3	2013	01	11	<1420>	1420	M7B			?	Unid		Multi-chnl MIXED	RF72LQ	NZART	ZL1BAD	
7100		2013	1	28	1020		A1A						NUMBER/LETTER CIPHER	QG52xi	WIA		
7105	5	2013	01	01	2208		A3E		273	CHN	PBS Nei Meng		Chinese Talk and Music	PM97	JARL	Hohhot	
7105	3	2013	01	01	2212		A3E		non	CHN	non PBS Nei Meng		Chinese Talk and Music	PM97	JARL	non	
7105	5	2013	01	02	2230		A3E		273	CHN	PBS Nei Meng		Chinese Talk and Music	PM97	JARL	Hohhot	
7105	3	2013	01	02	2234		A3E		non	CHN	non		Chinese Talk and Music	PM97	JARL	non	
7105	5	2013	01	02	2258		A3E		273	CHN	PBS Nei Meng		Chinese Talk and Music	PM97	JARL	Hohhot	
7105	5	2013	01	03	2240		A3E		273	CHN	PBS Nei Meng		5+1 after QRT Chinese Talk and Music	PM97	JARL	Hohhot	
7105	3	2013	01	03	2244		A3E		non	CHN	non		Chinese Talk and	PM97	JARL	non	

7105	5	2013	01	03	2258	A3E	273	CHN	PBS Nei Meng	Music	PM97	JARL	Hohhot
7105	5	2013	01	04	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	3	2013	01	04	2218	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	05	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	05	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	06	2240	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	06	2244	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	06	2258	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2013	01	07	2232	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	07	2238	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	07	2258	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	01	08	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2013	01	08	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	09	2220	A1A	273	CHN	PBS Nei Meng	Beacon	PM97	JARL	Hohhot
7105	3	2013	01	09	2224	A1A	non	CHN	non	Beacon	PM97	JARL	non
7105	5	2013	01	10	2218	A3E	273	CHN	M--signal	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	10	2224	A3E	non	CHN	K--signal	Chinese Talk and Music	PM97	JARL	non
7105	3	2013	01	11	2210	A3E	273	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	0.5	2013	01	11	2216	A3E	non	CHN	K--signal	Beacon	PM97	JARL	Kamchatskiy
7105	5	2013	01	12	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	12	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	13	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	13	2216	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	0.5	2013	01	14	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	0.5	2013	01	14	2214	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non

7105	5	2013	01	15	2204	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	15	2210	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	16	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	16	2222	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	17	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	17	2216	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	18	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	18	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	19	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	19	2216	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	20	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	20	2214	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	21	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	21	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	22	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	22	2220	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	23	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	23	2216	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	24	2206	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	24	2210	A1A	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	25	2212	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	25	2216	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	26	2230	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	26	2234	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	27	2220	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	27	2224	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	28	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	28	2214	A3E	non	CHN	non	Chinese Music	PM97	JARL	non

7105	5	2013	01	29	2220	A3E	273	CHN	PBS Nei Meng	only Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	29	2226	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	30	2220	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	30	2226	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2013	01	31	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2013	01	31	2214	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7112.8	3	2013	1	31	1015	J3E/U				ASIAN	QG52xi	WIA	
7117.5	3	2013	1	26	0905	J3E/U				ASIAN	QG52xi	WIA	
										ALE TYPE SIGNAL, REPEATED OVER & OVER 100'S OF SUBCARRIERS ON 33 HZ INTERVALS SW BROADCAST, RADIO HARGEISA 8 channels. (Usually Russian Mil.)			
7118	1	2013	1	17	1955	F1B					QG52xi	WIA	
7118	5	2013	1	11	1925	G7D					QG52xi	WIA	
7120	8	2013	1	3	1855	A3E		SOM			QG52xi	WIA	
7120		2013	01	11	<1415>	1415	F7D	?	Unid		RF72LQ	NZART	ZL1BAD
7120		2013	01	DY	<1550>	1550-1650	A3E	?	Unid	B-C Stn unknowon music and talk	RF72LQ	NZART	ZL1BAD
7120	3	2013	01	02	1820	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	03	1820	A3E	non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	01	04	1818	A3E	non	non	non	Beacon	PM97	JARL	non
7120	3	2013	01	05	1820	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	06	1820	A3E	non	non	non	Chinese Talk and Music	PM97	JARL	non
7120	5	2013	01	11	1820	JM	non	non	PBS Nei Meng	white noice	PM97	JARL	Hohhot
7120	5	2013	01	12	1820	JM	non	non	non	white noice	PM97	JARL	non
7120	5	2013	01	12	2236	anytime JM	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	13	1808	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	14	1820	A1A	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	15	1818	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	16	1812	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	17	1826	A3E	non	non	non	unknown music and talk	PM97	JARL	non

7120	3	2013	01	18	1818		A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	19	1810		A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	01	20	1828		A3E		non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2013	01	22	1824		P0N		non	non	non	Pulse mode P0N	PM97	JARL	non
7120	3	2013	01	24	1808		A3E		non	non	non	PSK Type ?	PM97	JARL	non
7120	3	2013	01	26	1814		A3E		non	non	non	unkown music and talk	PM97	JARL	non
7120	3	2013	01	30	1830		A3E		non	non	non	unknown music and talk	PM97	JARL	non
7135.1	3	2013	1	25	1950		J3E/U			PHL		TAGALOG, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
7145	5	2013	1	5	1005		G7DF					HF MANPACK	QG52xi	WIA	
7150.1	3	2013	1	28	1015		J3E/U					TAGALOG OR BAHASA	QG52xi	WIA	
7153	1	2013	1	4	1835		F1B	250				CONTINUOUS	QG52xi	WIA	
7155.1	3	2013	1	28	1015		J3E/U					DAILY, TAGALOG OR BAHASA	QG52xi	WIA	
												OTHR Continuous. PPS not measured.			
7175	50	2013	01	11	<1405>	1405	P0N			?	Unid	MANY SUBCARRIERS ON RANDOM INTERVALS	RF72LQ	NZART	ZL1BAD
7176	5	2013	1	28	1010		G7D					JAMMING SIGNAL, MANY SWEEPING SUBCARRIERS	QG52xi	WIA	
7180	20	2013	1	23	1615		G1D					Multi-chnl	QG52xi	WIA	
7180	3.3	2013	01	04	<0545>	0545	M7B			?	Unid	ALE TYPE SIGNAL, REPEATED OVER & OVER	RF72LQ	NZART	ZL1BAD
7181.5	1	2013	1	17	1950		F1B					SHORT BURSTS	QG52xi	WIA	
7188	5	2013	1	29	1930		G1D					ASIAN	QG52xi	WIA	
7190	3	2013	1	31	1015		J3E/U					B-C Stn	QG52xi	WIA	
7190		2013	01	14	<1715>	1715	A3E			?	Unid	SOUTH ASIAN SERVICE OF SLBC IN HINDI	RF72LQ	NZART	ZL1BAD
7190	5	2013	01	26	<0210-0220>		A3E			CLN	SLBC	SOUTH ASIAN SERVICE OF SLBC IN HINDI; SIGNED ON AT 0130	MK82	ARSI	
7190	5	2013	01	28	0130-0240>		A3E			CLN	SLBC	SOUTH ASIAN SERVICE OF SLBC IN HINDI	MK82	ARSI	
7190	5	2013	01	29	<0240-0310.		A3E			CLN	SLBC		MK82	ARSI	

7190	5	2013	01	30	<0302-0310>	A3E		CLN	SLBC	HINDI NEWS SERVICE YL READER. DAILY, TAGALOG, FISHBOATS, ENGINE NOISE	MK82	ARSI	
7193.4	3	2013	1	5	1005	J3E/U		PHL		Unprintable	QG52xi	WIA	
7195		2013	01	14	<1715>	F1B	200	?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7195	3.3	2013	01	25	<1335>	M7B	1335	?	Unid	BROAD PSK	RF72LQ	NZART	ZL1BAD
7196.3	5	2013	1	5	1005	G1D				DAILY, SW BROADCAST	QG52xi	WIA	
7200	8	2013	1	5	1005	A3E		SUD		OTH, LONG BURSTS	QG52xi	WIA	
10110	5	2013	1	12	2300	G7DF				FSK Stanag 4285	QG52xi	WIA	
10110	50	2013	1	30	0905	P0N				CYP/TUR	QG52xi	WIA	
10112		2013	01	03	<2000>	FSK	2000	?	Unid	HF MANPACK	RF80HL	NZART	ZL2IFB
10115	5	2013	1	14	0920	G7DF				OTH, CONTINUOUS	QG52xi	WIA	
10130	50	2013	1	18	1945	P0N				SW BROADCAST	QG52xi	WIA	
10140	8	2013	1	5	0910	A3E		KRE		OTH S5 25 pps	QG52xi	WIA	
10145.5	9	2013	01	04	<0705>	P0N	0728	?	Unid	DAILY, ASIAN	RF73MF	NZART	ZL1GWE
14000	3	2013	1	1	1025	J3E/U				2 males	QG52xi	WIA	
14000	3	2013	1	1	00:35--00:55	J3E/U		315	CLN		OF84wx	WIA	
14000	3	2013	1	1	22:40--23:35	J3E/U		315	CLN	Group of males	OF84wx	WIA	VK6XW
14000	3	2013	1	2	01:20--05:10	J3E/U		315	CLN	2 males, on-off	OF84wx	WIA	
14000	3	2013	1	2	06:30--06:44	J3E/U		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	1	2	08:00--08:45	J3E/U		315	CLN	2 males continuous	OF84wx	WIA	
14000	3	2013	1	2	09:00--09:50	J3E/U		315	CLN	2 males continuous	OF84wx	WIA	
14000	3	2013	1	2	23:45--00:12	J3E/U		315	CLN	Group of males	OF84wx	WIA	
14000	3	2013	1	3	23:00--23:02	J3E/U		315	CLN	1 male calling, no reply	OF84wx	WIA	
14000	3	2013	1	5	00:06--00:22	J3E/U		315	CLN	Group of males	OF84wx	WIA	
14000	3	2013	1	6	01:25--01:33	J3E/U		315	CLN	2 males	OF84wx	WIA	
14000	3	2013	1	6	06:10--07:30	J3E/U		315	CLN	2 males on-off only a few calls	OF84wx	WIA	
14000	3	2013	1	6	23:09--23:11	J3E/U		315	CLN	1 male calling, no reply	OF84wx	WIA	

14000	3	2013	1	7	01:35-- 03:10	J3E/U	315	CLN	2 males on-off only a few short calls	OF84wx	WIA
14000	3	2013	1	7	06:03-- 06:35		315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	7	08:55-- 09:03	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	7	23:44-- 23:46	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	8	06:40-- 07:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	8	08:28-- 10:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	8	23:20-- 00:12	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	9	00:25-- 01:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	9	07:10-- 09:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	9	22:45-- 23:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	9	23:22-- 23:40	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	10	00:05-- 00:40	J3E/U	360	INS	Male-female, play music for 2 minutes then a lot of talking	OF84wx	WIA
14000	3	2013	1	10	01:14-- 01:42		315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	10	05:15-- 06:00	J3E/U	315	CLN	2 male	OF84wx	WIA
14000	3	2013	1	10	07:22-- 08:40	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	10	22:55-- 00:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	11	02:37-- 05:25	J3E/U	315	CLN	2 males on-off weak sigs	OF84wx	WIA
14000	3	2013	1	11	07:25-- 07:28	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	1	11	08:21-- 08:22	J3E/U	315	CLN	1 male calling, no teply	OF84wx	WIA
14000	3	2013	1	11	08:45-- 09:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	11	22:45-- 00:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	12	00:55-- 01:23	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2013	1	12	07:00-- 09:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	12	22:45-- 23:45		315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	13	00:04-- 00:22	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	13	01:02-- 01:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	13	05:20-- 05:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	13	06:30-- 08:30	J3E/U	315	CLN	2 males, on-off	OF84wx	WIA
14000	3	2013	1	13	22:45-- 23:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	14	00:15-- 00:22	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	14	01:00-- 01:16	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	14	07:15-- 07:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	14	08:56-- 09:18	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	14	22:55-- 23:54	J3E/U	315	CLN	2males	OF84wx	WIA
14000	3	2013	1	15	00:20-- 00:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	15	02:35-- 02:44	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	1	15	05:20-- 05:32	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	15	08:30-- 08:42	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	15	23:22-- 00:44	J3E/U	315	CLN	2 males on-off	OF84wx	WIA
14000	3	2013	1	16	01:20-- 01:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	16	03:25-- 03:42	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	16	06:30-- 07:14	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	16	22:45-- 23:20	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	17	00:02-- 00:07	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2013	1	17	00:50-- 01:24	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	17	09:48-- 10:20		315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	17	22:57-- 01:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	18	01:30-- 03:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	18	23:05-- 23:35	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2013	1	19	01:15-- 01:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	19	23:12-- 23:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	20	00:35-- 01:32	J3E/U	315	CLN	2 males few calls , on-off	OF84wx	WIA
14000	3	2013	1	20	09:10-- 09:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	20	23:25-- 23:30	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	21	00:03-- 00:08	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	21	00:44-- 02:45	J3E/U	315	CLN	2 males ,on-off	OF84wx	WIA
14000	3	2013	1	21	03:30-- 09:50	J3E/U	315	CLN	2 males 3-4times per hr.	OF84wx	WIA
14000	3	2013	1	21	23:10-- 23:55	J3E/U	315	CLN	2 males 3 short talks	OG84wx	WIA
14000	3	2013	1	22	00:10-- 00:12	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2013	1	23	01:02-- 01:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	03:03-- 03:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	06:30-- 06:56	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	08:25-- 08:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	09:15-- 10:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	22:45-- 23:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2013	1	23	23:10-- 23:30	J3E/U	315	CLN	2 males 5 calls	OF84wx	WIA

14000	3	2013	1	24	01:02-- 01:14				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14000	3	2013	1	24	07:05-- 08:30				315	CLN	2 males several short calls	OF84wx	WIA		
						J3E/U									
14000	3	2013	1	24	23:02-- 00:00				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14001	3	2013	1	10	08:40-- 09:00				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14001.4	3	2013	1	4	00:10-- 00:22				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14001.4	3	2013	1	8	00:09-- 00:45				315	CLN	2 males 2 sort calls only	OF84wx	WIA		
						J3E/U									
14001.5	3	2013	1	5	00:40-- 00:56				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14001.5	3	2013	1	15	00:22-- 00:50				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14001.5	3	2013	1	19	00:30-- 00:37				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14002	3	2013	1	31	00:25-- 00:55				315	CLN	2 males	OF84wx	WIA		
						J3E/U									
14002.2	3	2013	1	25	0730						SPANISH LANGUAGE	QG52xi	WIA		
14007	3	2013	1	30	23:50-- 23:55				315	CLN	Group of males	OF84wx	WIA		
						J3E/U									
14007		2013	01	20	<0612>	0612	G7DF		330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14008.7	3	2013	1	18	1050		J3E/U					ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52xi	WIA	
14009		2013	01	13	<1110- 1120>		J3E/U			CLN	UNID	DAILY, ASIAN CHINESE DIALECT SPEAKEKING 2- OM.	MK82	ARSI	
14011	3	2013	1	23	1615		J3E/U						QG52xi	WIA	
14011		2013	01	25	<0200- 0210>		J3E/U			CHN	UNID	ASIAN	MK82	ARSI	
14028	3	2013	1	22	0910		J3E/U						QG52xi	WIA	
14030	3	2013	1	31	0825		J1C						QG52xi	WIA	
14045	1	2013	1	3	1010		F1B	300					QG52xi	WIA	
14045.2	3	2013	1	21	2010		J3E/U					ASIAN	QG52xi	WIA	
14045.3	3	2013	1	21	2005		J3E/L					ASIAN	QG52xi	WIA	
14048	3	2013	1	6	1025		J3E/U			PHL		ALL DAY EVERY DAY. TAGALOG	QG52xi	WIA	
14050	3	2013	1	29	1150		J3E/L					ASIAN	QG52xi	WIA	

14050	5	2013	1	1	0735	G7DF				HF MANPACK, HEARD MANY TIMES	QG52xi	WIA		
14050	3	2013	1	11	1030	J3E/U		PHL		TAGALOG	QG52xi	WIA		
14055	10	2013	1	31	2315	P0N				OTHR, SHORT BURSTS	QG52xi	WIA		
14055	5	2013	1	26	0040	G7DF				HF MANPACK	QG52xi	WIA		
14056.2	3	2013	1	13	0800	J3E/U				ASIAN	QG52xi	WIA		
14056.4	3	2013	1	14	1005	J3E/U				DAILY, ASIAN	QG52xi	WIA		
14058.5	3	2013	1	1	0950	J3E/U				ASIAN	QG52xi	WIA		
14060	5	2013	1	3	2025	G7DF				HF MANPACK	QG52xi	WIA		
14066.7	3	2013	1	14	0350	J3E/U				ASIAN	QG52xi	WIA		
										LETTER CIPHER, MANY NON- ENGLISH CHARACTERS	QG52xi	WIA		
14084		2013	1	28	0915	A1A				HF Man Pack 8- PSK S4	RF73MF	NZART	ZL1GWE	
14085		2013	01	20	<0549>	0549	G7DF	330	?	Unid	HF Man Pack 8- PSK S4	RF73MF	NZART	ZL1GWE
14089		2013	01	20	<0549>	0549	G7DF	330	?	Unid	HF MANPACK	QG52xi	WIA	
14090	5	2013	1	29	0935	G7DF				ASIAN	QG52xi	WIA		
14100	3	2013	1	13	0800	J3E/U				ASIAN	QG52xi	WIA		
14105.9	3	2013	1	31	0825	J3E/U				ASIAN	QG52xi	WIA		
14114	3	2013	1	27	0750	J3E/U				ASIAN	QG52xi	WIA		
14116	4	2013	1	27	0740	G7D				PSK-8 STANAG 4285	QG52xi	WIA		
										Stanag 4285 intruder 39 tones				
14116	2	2013	01	27	<0720>	0720	G7D	330	?	Unid	PSK 4B S6	RF73MF	NZART	ZL1GWE
14118.8	4	2013	1	21	1205	G7D				PSK-8 STANAG 4285	QG52xi	WIA		
14120	20	2013	1	3	0935	P0N				OTHR, LONG BURSTS	QG52xi	WIA		
14135.8	3	2013	1	15	0910	J3E/U				ASIAN	QG52xi	WIA		
14140	80	2013	1	13	0800	P0N				OTHR, LONG BURSTS	QG52xi	WIA		
14144.1	3	2013	1	15	0910	J3E/U				ASIAN, SINGING TO HIS YL	QG52xi	WIA		
										8 PAIRS OF SUBCARRIERS				
14153	5	2013	1	1	1030	G7D				ON 250 HZ INTERVALS	QG52xi	WIA		
14155	5	2013	1	29	0940	G7DF				HF MANPACK	QG52xi	WIA		
										OTHR 67 pps S8				
14159.5	9	2013	01	27	<0730>	0730	P0N	330	?	Unid	searchlight pattern with 14299.5	RF73MF	NZART	ZL1GWE
										Pirates Vlad, Alex, Kolya something did not arrive				
14173		2013	01	04	<0710>	0710	J3E/U	120	RUS	Unid	angry	RE54FD	NZART	ZL4NR
14183		2013	01	02	<0515>	0515	P0N		?	Unid	OTHR suspected 66pps S7-9	RF73MC	NZART	ZL1TTG

14210	20	2013	1	15	0910		P0N					OTHR, LONG BURSTS	QG52xi	WIA	
14220	20	2013	01	11	<0625>	0625-0755	P0N		?	Unid		OTHR 3.5 sec burst every 37.5 secs. 70 PPS. (S9/-73dbm)	RF72LQ	NZART	ZL1BAD
14223.5	11	2013	01	26	<0747>	0747	P0N	330	?	Unid		OTHR 66 pps S9 Military Stanag 8 FSK signal S6	RF73MF	NZART	ZL1GWE
14224	2	2013	01	01	<0700>	0700-0711	FSK	150	330	RUS	Unid		RF73MF	NZART	ZL1GWE
14227.8	3	2013	1	2	0945		J3E/U					ASIAN	QG52xi	WIA	
												OTHR Varying length bursts at random times			
14230	20	2013	01	DY	HX	HX	P0N		?	Unid		70PPS (up to S9/-73dbm)	RF72LQ	NZART	ZL1BAD
14230	12	2013	01	04	<0500>	0500-0508	P0N	330	?	Unid		OTHR 66pps S5 3 second bursts	RF73MF	NZART	ZL1GWE
14233		2013	01	DY	HX	HX	G7DE		?	Unid		HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
14233		2013	01	DY	HX	HX	G7DE/F		?	Unid		HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
14233		2013	01	DY	HX	HX	G7DE		?	Unid		HF Man Pack 6 PSK	RF72LQ	NZART	ZL1BAD
14234		2013	01	05	<0130>	0130-0315	N0N		?	Unid		Un-mod carrier.	RF72LQ	NZART	ZL1BAD
14236		2913	01	05	<0520<	0520	N0N		?	Unid		Carrier S3	RF73MF	NZART	ZL1GWE
14236.3		2013	1	5	0615		NON					BEEN THERE FOR HOURS DOZENS OF RANDOM INTERVAL	QG52xi	WIA	
14237	5	2013	1	15	0915		G7D					SUBCARRIERS	QG52xi	WIA	
14245		2013	01	20	<0549>	0549	G7DF	330	?	Unid		HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
14250	3	2013	1	25	0800		J3E/L					ASIAN	QG52xi	WIA	
14250	20	2013	1	12	0555		P0N					OTHR, BURSTS	QG52xi	WIA	
14260	20	2013	1	27	0755		P0N					OTHR, BURSTS	QG52xi	WIA	
14270	4	2013	1	22	0915		G7D					PSK-8 STANAG 4285	QG52xi	WIA	
14270	20	2013	1	15	0915		P0N					OTHR, LONG BURSTS	QG52xi	WIA	
14280		2013	01	20	<0610>	0610	G7DF	330	?	Unid		HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
												OTHR S6 4 second bursts 66 pps search light spread			
14281	12	2013	01	02	<0530>	0530	P0N	330	?	Unid			RF73MF	NZART	ZL1GWE
14281.5	9	2013	01	26	<0747>	0747	P0N	330	?	Unid		OTHR 66pps S9	RF73MF	NZART	ZL1GWE
14290	3	2013	1	25	0800		J3E/L					ASIAN	QG52xi	WIA	

14295	8	2013	1	19	1020		A3E					SW BROADCAST - RADIO TAJIKISTAN?	QG52xi	WIA	
14295		2013	01	12	?	?	A3E		?	Unid		Third Harmonic from Eadio EY on 4765 LP S9 OTHR 67 pps S7 searchlight pattern with 14159.5 MIXED NUMBER/LETTER CIPHER	RE54HF	NZART	ZL4IV
14299.5	11	2013	01	27	<0730>	0730	P0N		330	?	Unid	OTHR, LONG BURSTS	RF73MF	NZART	ZL1GWE
14300		2013	1	31	0830		A1A					ASIAN	QG52xi	WIA	
14310	80	2013	1	15	0915		P0N					ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14312.5	3	2013	1	5	1015		J3E/L					HF Man Pack 8- PSK S3	QG52xi	WIA	
14315.9	3	2013	1	22	0915		J3E/U					OTHR 66pps S8 8 second long bursts S4	QG52xi	WIA	
14318.8	3	2013	1	31	0835		J3E/U					ASIAN, SOUNDS TAGALOG	QG52xi	WIA	
14319		2013	01	20	<0610>	0610	G7DF		330	?	Unid	DAILY, ASIAN 100'S OF SUBCARRIERS ON 50 HZ INTERVALS	RF73MF	NZART	ZL1GWE
14320.5	7	2013	01	28	<0317>	0317	P0N		330	?	Unid	DAILY, ASIAN	RF73MF	NZART	ZL1GWE
14321.3	3	2013	1	2	0945		J3E/U					OTHR, BURSTS	QG52xi	WIA	
14323.4	3	2013	1	22	0915		J3E/U					OTHR 66pps S6 3 second bursts	QG52xi	WIA	
14326	5	2013	1	11	0935		G7D					OTHR S6 66 pps 4 second bursts	QG52xi	WIA	
14328.5	3	2013	1	5	1020		J3E/U					OTHR No time to measure PPS before it closed at 1325	QG52xi	WIA	
14333.5	3	2013	1	5	1020		J3E/U					OTHR, BURSTS	QG52xi	WIA	
14335		2013	01	13	<0001>	0001- 0330	N0N			?	Unid	ASIAN	RF72LQ	NZART	ZL1BAD
14340	20	2013	1	1	0125		P0N					OTHR No time to measure PPS before it closed at 1325	QG52xi	WIA	
14341	10	2013	01	01	<0718>	0718	P0N		330	?	Unid	OTHR 50 pps S5 continuous	RF73MF	NZART	ZL1GWE
14347	12	2013	01	02	<0530>	0530	P0N		330	?	Unid	HF Man Pack 1 PSK	RF73MF	NZART	ZL1GWE
14350	40	2013	1	22	0915		P0N					TAGALOG SPEAKERS, NORMALLY	QG52xi	WIA	
14352.7	3	2013	1	2	0950		J3E/L						QG52xi	WIA	
18070	40	2013	01	25	<1315>	1315- 1325	P0N			?	Unid		RF72LQ	NZART	ZL1BAD
18090.5	21	2013	01	26	<0735>	0735	P0N		330	?	Unid		RF73MF	NZART	ZL1GWE
18100		2013	01	DY	HX	HX	G7DE/F			?	Unid		RF72LQ	NZART	ZL1BAD
18110	3	2013	1	1	0515		J3E/U			PHL			QG52xi	WIA	

FOUND ON 14048

OTHR 3.75 sec
burst every 20
secs. 70PPS.
(S8/-79dbm)

OTHR,
CONTINUOUS
ASIAN
OTHR

C/W CHIRP,
SWEEPS,
WARBLE
Carrier
Carrier S4
S4 Continuous
Noise Triangular
Modulaiton and
CW? Same on
21500

OTHR 49 pps
Continuous S7

OTHR,
CONTINUOUS
ASIAN
ASIAN
OTHR,
CONTINUOUS
DAILY, HF
MANPACK
CHINESE
DIALECT

SPEAKEKING 2-
OM.
OTHR 46 pps S9
continuous

DAILY, HF
MANPACK

DAILY, HF
MANPACK

DAILY, HF
MANPACK

OTHR 3 sec burst
every 1 min. 70
PPS

OTHR S8 40 pps
OTHR,
CONTINUOUS

OTHR short burst,
long duration
between TX S9
strong

18150	30	2013	01	04	<0340>	0340	P0N	?	Unid	RF72LQ	NZART	ZL1BAD	
20910	150	2013	1	31	0815		P0N			QG52xi	WIA		
21000	5	2013	1	1	0115		J3E/U			QG52xi	WIA		
21000	100	2013	1	26	0035		P0N			QG52xi	WIA		
21000		2013	1	1	0510		N0N			QG52xi	WIA		
21000	10	2013	1	18	0805		A2A			QG52xi	WIA		
21000		2013	01	04	<0506>	0506	N0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21000		2013	01	05	<0254>	0254	N0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21000		2013	01	20	<0120>	0120-0608	XXX	330	?	Unid	RF73MF	NZART	ZL1GWE
21009.5	23	2013	01	27	<0650>	0650-0656	P0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21030	20	2013	1	27	1150		P0N			QG52xi	WIA		
21030.7	5	2013	1	18	1010		J3E/U			QG52xi	WIA		
21050	5	2013	1	18	1030		J3E/U			QG52xi	WIA		
21050	20	2013	1	20	0315		P0N			QG52xi	WIA		
21050	5	2013	1	13	0950		G7DF			QG52xi	WIA		
21050		2013	01	05	<1240-1245>		J3E/U		CHN	UNID	MK82	ARSI	
21050.5	11	2013	01	20	<0319>	0333	P0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21055	5	2013	1	19	0005		G7DF			QG52xi	WIA		
21060	5	2013	1	31	0020		G7DF			QG52xi	WIA		
21065	5	2013	1	19	0200		G7DF			QG52xi	WIA		
21100	30	2013	01	01	<0410>	0410	P0N		?	Unid	RF72LQ	NZART	ZL1BAD
21113.5	13	2013	01	26	<0736>	0736	P0N	330	?	Unid	RF73MF	NZART	ZL1GWE
21120	100	2013	1	31	0510		P0N			QG52xi	WIA		
21125	24	2013	01	15	<0130>	0130-0147	P0N		?	Unid	RF73IJ	NZART	ZL1TPH

21130	20	2013	1	13	0050		P0N				OTHR, CONTINUOUS HF Man Pack 8	QG52xi	WIA	
21152		2013	01		HX	HX	G7DE		?	Unid	PSK	RF72LQ	NZART	ZL1BAD
21160	30	2013	01	01	<0635>	0635	P0N		?	Unid	OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21204.5	9	2013	01	02	<2249>	2249	VXX	330	?	Unid	CODAR 6 pps S4 18 seconds long with a centre pip - JORN?	RF73MF	NZART	ZL1GWE
21210	22	2013	01	02	<0530>	0530	P0N	330	?	Unid	OTHR 48 pps 56 seconds burst S9 + 10 db at 0333z OTHR JORN	RF73MF	NZART	ZL1GWE
21214	9	2013	01	01	<0803>	0803	P0N	330	?	Unid	Multiple rates 22, 24, 25, 26 and 28 variable rates	RF73MF	NZART	ZL1GWE
21214.5	9	2013	01	02	<2248>	2248	VXX	330	?	Unid	CODAR 7 pps S4 18 seconds long with a centre pip - JORN?	RF73MF	NZART	ZL1GWE
21214.5	9	2013	01	01	<0803>	0803	P0N	330	?	Unid	OTHR initial tone, JORN Tech multiple rates 22/24/25/26 and 28 pps S4	RF73MF	NZART	ZL1GWE
21215	5	2013	1	28	0935		G7DF				DAILY, HF MANPACK	QG52xi	WIA	
21215	10	2013	1	1	0830		P0N				OTHR, CONTINUOUS, RATE CHANGES & BEEP	QG52xi	WIA	
21220	30	2013	01	01	<0635>	0635	P0N		?	Unid	OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21230	20	2013	1	1	0120		P0N				OTHR, CONTINUOUS, RATE CHANGES & BEEP	QG52xi	WIA	
21230		2013	01	DY	HX	HX	G7DE		?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
21230	20	2013	01	01	<0630>	0630	P0N		?	Unid	OTHR 20 secs every 1 min. 70 PPS	RF72LQ	NZART	ZL1BAD
21230		2013	01	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
21230	30	2013	01	DY	HX	HX	P0N		?	Unid	OTHR 15 sec bursts at random times. 7 PPS	RF72LQ	NZART	ZL1BAD
21233.5	19	2013	01	04	<0512>	0512	VXX	330	?	Unid	CODAR 9 pps S3 18 seconds long	RF73MF	NZART	ZL1GWE
21250	5	2013	1	14	0300		G7DF				HF MANPACK	QG52xi	WIA	
21263		2013	01	02	<0513>	0513	P0N	330	?	Unid	OTHR JORN 1 second transmissions 50	RF73MF	NZART	ZL1GWE

pps S3

21265	20	2013	1	1	0515		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
21270	20	2013	1	2	0655		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
21270	60	2013	01	01	<0635>	0635	P0N		?	Unid		OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21280	20	2013	1	1	0510		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
21283	10	2013	01	04	<0518.	0518	P0N		330	?	Unid	OTHR initial tone, JORN Tech 35 pps S4	RF73MF	NZART	ZL1GWE
21285		2013	01	DY	HX	HX	G7DE			?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
21290	20	2013	1	1	0120		P0N					OTHR, CONTINUOUS, RATE CHANGES & BEEP	QG52xi	WIA	
21290	10	2013	01	04	<0323>	0323	P0N		330	?	Unid	OTHR JORN 1 second transmissions 44 pps	RF73MF	NZART	ZL1GWE
21293	14	2013	01	04	<0715>	0715- 0728	P0N			?	Unid	OTHR slow pulse, bursts, signature tone, JORN ?	RF73IJ	NZART	ZL1TPH
21293	14	2013	01	05	<0417>	0417- 0439	P0N			?	Unid	OTHR pulse, bursts, signature tone, JORN ?	RF73IJ	NZART	ZL1TPH
21294.5	9	2013	01	02	<0513>	0513	P0N			?	Unid	OTHR S3	RF73MF	NZART	ZL1GWE
21294.5	11	2013	01	08	<0347>	0347- 0348	P0N			?	Unid	OTHR short double burst, signature tone, JORN?	RF73IJ	NZART	ZL1TPH
21295.5	9	2013	01	27	<0417>	0417	P0N		330	?	Unid	OTHR 28-36 pps variable rate JORN suspected S3-S4	RF73MF	NZART	ZL1GWE
21300	20	2013	1	26	0715		P0N					OTHR, CONTINUOUS	QG52xi	WIA	
21318	30	2013	01	19	<0601>	0601- 0615	P0N			?	Unid	OTHR short burst	RF73IJ	NZART	ZL1TPH
21320	5	2013	1	5	1030		G7DF					VERY strong HF MANPACK	QG52xi	WIA	
21330	30	2013	01	01	<0635>	0635	P0N			?	Unid	OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21340	100	2013	1	22	0855		P0N					OTHR, BURSTS	QG52xi	WIA	
21343.5	13	2013	01	27	<0440>	0440- 0450	P0N			?	Unid	OTHR shorts then went continuous S9	RF73IJ	NZART	ZL1TPH
21345	10	2013	01	27	<0414>	0414	P0N		330	?	Unid	OTHR 43 pps S9	RF73MF	NZART	ZL1GWE
21350	20	2013	1	27	0445		P0N					OTHR, LONG BURSTS	QG52xi	WIA	
21352	14	2013	01	20	<0600>	0600- 0620	P0N		330	?	Unid	OTHR S8 46 pps 5 second bursts	RF73MF	NZART	ZL1GWE

21367.5	15	2013	01	27	<0250>	0250-0320	P0N		?	Unid	OTHR shorts burst S9	RF73IJ	NZART	ZL1TPH
21375	5	2013	1	14	0300		G7DF				HF MANPACK	QG52xi	WIA	
21380	100	2013	1	22	0855		P0N				OTHR, BURSTS	QG52xi	WIA	
21380	30	2013	01	01	<0635>	0635	P0N		?	Unid	OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21387.5	25	2013	01	27	<0702>	0702	P0N		?	Unid	OTHR shorts burst S9	RF73IJ	NZART	ZL1TPH
21409	18	2013	01	15	<0235>	0235	P0N		?	Unid	OTHR short burst S6	RF73IJ	NZART	ZL1TPH
21438	30	2013	01	01	<0635>	0635	P0N		?	Unid	OTHR Continuous 60 PPS	RF72LQ	NZART	ZL1BAD
21450	10	2013	1	1	0515		A3E				DAILY, SW BROADCAST IN CHINESE	QG52xi	WIA	
21450	10	2013	1	2	0700		G7D				JAMMING SIGNAL, MANY SWEEPING	QG52xi	WIA	
21450	8	2013	01	02	<0526>	0526	A3E	330	CHN	Unid	SUBCARRIERS Chinese	RF73MF	NZART	ZL1GWE
21450	7	2013	01	04	<0330>	0330-0400	G7D	330	CHN	Unid	Firedragon Music S4 Jammer	RF73MF	NZART	ZL1GWE
21450		2013	01	04	<0426>	0426-0459	A3E	330	CHN	Firedragon	Chinese Firedragon S4	RF73MF	NZART	ZL1GWE
21450		2013	01	20	<0411>	0411-0543	A3E	330	CHN	Firedragon	Chinese Firedragon S8	RF73MF	NZART	ZL1GWE
21450		2013	01	27	<0500>	0500	A3E	330	CHN	Firedragon	Chinese Firedragon S4 plus Carrier	RF73MF	NZART	ZL1GWE
21540		2013	01	04	<0426>	0426-0459	A3E	330	USA	RFA	Chinese Firedragon jammer S9	RF73MF	NZART	ZL1GWE
24900	5	2013	1	23	0915		G7DF				RFA same music as 21450 but doubled up with Chinese station on top	RF73MF	NZART	ZL1GWE
24900	6	2013	1	23	0915		A3E				HF MANPACK	QG52xi	WIA	
24905	6	2013	1	31	0815		A3E				ASIAN	QG52xi	WIA	
24912.5	6	2013	1	30	2355		A3E				ASIAN	QG52xi	WIA	
24915	6	2013	1	19	0920		A3E				ASIAN	QG52xi	WIA	
24930		2013	01	11	<1420>	1420	G7DE/F		?	Unid	HF Man Pack 1	RF72LQ	NZART	ZL1BAD
24940	5	2013	1	23	0915		G7DF				PSK	QG52xi	WIA	
24950	6	2013	1	1	0115		A3E				HF MANPACK	QG52xi	WIA	
24950	6	2013	1	25	0840		A3E				ASIAN	QG52xi	WIA	
24962.5	6	2013	1	31	0515		A3E				FRENCH LANGUAGE	QG52xi	WIA	
24975	6	2013	1	13	0740		A3E				ASIAN	QG52xi	WIA	
28000	6	2013	1	1	0030		A3E				ASIAN	QG52xi	WIA	
28005	6	2013	1	1	0030		A3E				ASIAN	QG52xi	WIA	

28006	6	2013	1	14	0745	J3E/U				ASIAN, C/W BEEP			
28012.5	6	2013	1	1	0030	A3E				TONE	QG52xi	WIA	
28015	6	2013	1	13	0440	A3E				ASIAN	QG52xi	WIA	
28020	6	2013	1	12	0020	A3E				ASIAN	QG52xi	WIA	
28025	6	2013	1	13	0710	A3E				ASIAN	QG52xi	WIA	
28033	6	2013	1	13	0710	A3E				ASIAN	QG52xi	WIA	
28035	6	2013	1	1	0030	A3E				ASIAN	QG52xi	WIA	
										SPANISH			
										LANGUAGE,			
										CENTRAL OR			
28042	6	2013	1	12	2305	A3E				SOUTH AMERICA	QG52xi	WIA	
28050	6	2013	1	19	0940	A3E				ASIAN	QG52xi	WIA	
28055	6	2013	1	20	0950	A3E				ASIAN	QG52xi	WIA	
28065	6	2013	1	1	0030	A3E				ASIAN	QG52xi	WIA	
28075	6	2013	1	1	0030	F3E				ASIAN	QG52xi	WIA	
28085	6	2013	1	12	0605	A3E				ASIAN	QG52xi	WIA	
28095	6	2013	1	15	0930	A3E				ASIAN	QG52xi	WIA	
28100	6	2013	1	1	0035	F3E				ASIAN	QG52xi	WIA	
28105	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28115	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28125	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28135	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28145	6	2013	1	13	0710	A3E				ASIAN	QG52xi	WIA	
28150	1	2013	1	12	2305	F1B	250			SHORT BURSTS	QG52xi	WIA	
28150	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28155	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28157	6	2013	1	13	0710	A3E				ASIAN	QG52xi	WIA	
28162.5	3	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28165	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28170	6	2013	1	15	0930	A3E				ASIAN	QG52xi	WIA	
28175	6	2013	1	1	0035	F3E				ASIAN	QG52xi	WIA	
28185	6	2013	1	12	0610	F3E				ASIAN	QG52xi	WIA	
28187.5	6	2013	1	15	0930	A3E				ASIAN	QG52xi	WIA	
28195	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28200	6	2013	1	1	0035	A3E				ASIAN	QG52xi	WIA	
28205	6	2013	1	13	0715	A3E				ASIAN	QG52xi	WIA	
28212.5	6	2013	1	12	0610	F3E				ASIAN	QG52xi	WIA	
28215	6	2013	1	13	0735	A3E				ASIAN	QG52xi	WIA	
										SPANISH			
										LANGUAGE,			
										CENTRAL OR			
28225	6	2013	1	12	2315	A3E				SOUTH AMERICA	QG52xi	WIA	
28225	6	2013	1	1	0035	F3E				ASIAN	QG52xi	WIA	
										HF Man Pack			
										PSK - on multiple			
28230		2013	01	DY	HX	HX	G7DE/F		?	Unid	RF72LQ	NZART	ZL1BAD
										freqs.			

28235	6	2013	1	1	0035	A3E	ASIAN	QG52xi	WIA
28237.5	6	2013	1	13	0715	A3E	ASIAN	QG52xi	WIA
28245	6	2013	1	13	0715	A3E	ASIAN	QG52xi	WIA
28250	6	2013	1	11	0950	A3E	ASIAN	QG52xi	WIA
28255	6	2013	1	11	0950	A3E	ASIAN	QG52xi	WIA
28260	6	2013	1	11	0950	A3E	ASIAN	QG52xi	WIA
28262.5	6	2013	1	1	0035	A3E	ASIAN	QG52xi	WIA
28265	6	2013	1	15	0930	A3E	ASIAN	QG52xi	WIA
28275	6	2013	1	1	0235	F3E	ASIAN	QG52xi	WIA
28285	6	2013	1	1	0235	A3E	ASIAN	QG52xi	WIA
28287.5	6	2013	1	1	0035	A3E	ASIAN	QG52xi	WIA
28295	6	2013	1	1	0035	F3E	ASIAN	QG52xi	WIA
28300	6	2013	1	1	0035	F3E	ASIAN	QG52xi	WIA
28305	6	2013	1	11	0950	A3E	ASIAN	QG52xi	WIA
28315	6	2013	1	11	0950	A3E	ASIAN	QG52xi	WIA
28325	6	2013	1	1	0040	A3E	ASIAN	QG52xi	WIA
28330	40	2013	1	22	0840	P0N	OTHR, CONTINUOUS	QG52xi	WIA
28335	6	2013	1	13	0715	A3E	ASIAN	QG52xi	WIA
28350	6	2013	1	1	0040	F3E	ASIAN	QG52xi	WIA
28352.9		2013	1	16	1025	A1A	DRIFTNET BEACON	QG52xi	WIA
28355	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28362.5	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28365	6	2013	1	13	0715	A3E	ASIAN	QG52xi	WIA
28375	6	2013	1	1	0040	F3E	ASIAN	QG52xi	WIA
28385	6	2013	1	12	0610	A3E	ASIAN	QG52xi	WIA
28395	6	2013	1	13	0740	A3E	ASIAN	QG52xi	WIA
28400	6	2013	1	1	0040	F3E	ASIAN	QG52xi	WIA
28405	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28415	6	2013	1	13	0720	A3E	ASIAN	QG52xi	WIA
28425	6	2013	1	1	0040	F3E	ASIAN	QG52xi	WIA
28435	100	2013	1	22	0840	A2A	LIKE MCW ONLY VERY BROAD	QG52xi	WIA
28435	6	2013	1	22	0840	A3E	ASIAN	QG52xi	WIA
28437.5	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28450	6	2013	1	16	1025	A3E	ASIAN	QG52xi	WIA
28455	6	2013	1	13	0720	A3E	ASIAN	QG52xi	WIA
28458	6	2013	1	13	0720	A3E	ASIAN	QG52xi	WIA
28462.5	6	2013	1	16	1025	A3E	ASIAN	QG52xi	WIA
28465	6	2013	1	1	0040	A3E	ASIAN	QG52xi	WIA
28475	6	2013	1	13	0720	F3E	ASIAN	QG52xi	WIA
28485	6	2013	1	1	0435	A3E	ASIAN	QG52xi	WIA
28500	6	2013	1	19	0945	A3E	ASIAN	QG52xi	WIA
28505	6	2013	1	1	0040	A3E	ASIAN	QG52xi	WIA
28515	6	2013	1	1	0040	A3E	ASIAN	QG52xi	WIA

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28525	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28530	6	2013	1	26	0045	A3E	ASIAN	QG52xi	WIA
28535	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28550	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28555	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28560	6	2013	1	31	0520	A3E	ASIAN	QG52xi	WIA
28565	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28575	6	2013	1	15	0940	A3E	ASIAN	QG52xi	WIA
28585	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28595	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28600	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28605	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28610	100	2013	1	22	0845	A2A	LIKE MCW ONLY		
28615	6	2013	1	20	1000	A3E	VERY BROAD	QG52xi	WIA
28625	6	2013	1	11	0955	A3E	ASIAN	QG52xi	WIA
28635	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28645	6	2013	1	13	0740	A3E	ASIAN	QG52xi	WIA
28655	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28660	6	2013	1	15	0940	A3E	ASIAN	QG52xi	WIA
28662.5	6	2013	1	1	0045	F3E	ASIAN	QG52xi	WIA
28665	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28675	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28685	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28687.5	6	2013	1	28	0215	A3E	ASIAN	QG52xi	WIA
28695	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28700	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28705	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28715	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28720	100	2013	1	15	0940	A2A	LIKE MCW ONLY		
28725	6	2013	1	1	0045	A3E	VERY BROAD	QG52xi	WIA
28735	6	2013	1	20	1000	A3E	ASIAN	QG52xi	WIA
28737.5	6	2013	1	23	0940	A3E	ASIAN	QG52xi	WIA
28740	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28745	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28750	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28755	6	2013	1	1	0045	A3E	ASIAN	QG52xi	WIA
28762.5	6	2013	1	16	1030	A3E	ASIAN	QG52xi	WIA
28765	6	2013	1	15	0945	A3E	ASIAN	QG52xi	WIA
28770	6	2013	1	28	0215	A3E	ASIAN	QG52xi	WIA
28772.5	6	2013	1	15	0945	A3E	ASIAN	QG52xi	WIA
28775	6	2013	1	20	1000	A3E	ASIAN	QG52xi	WIA
28787.5	6	2013	1	1	0045	F3E	ASIAN	QG52xi	WIA
28800	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
28805	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA

28812.5	6	2013	1	31	0520	A3E	ASIAN	QG52xi	WIA
28825	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
28830	6	2013	1	11	1000	A3E	ASIAN	QG52xi	WIA
28835	6	2013	1	15	0945	A3E	ASIAN	QG52xi	WIA
28837.5	6	2013	1	20	1000	A3E	ASIAN	QG52xi	WIA
28850	6	2013	1	17	0905	A3E	ASIAN	QG52xi	WIA
28862.5	6	2013	1	1	0440	F3E	ASIAN	QG52xi	WIA
28875	6	2013	1	11	1000	F3E	ASIAN	QG52xi	WIA
28887.5	6	2013	1	11	1000	F3E	ASIAN	QG52xi	WIA
28890	6	2013	1	26	0540	A3E	ASIAN	QG52xi	WIA
28895	6	2013	1	20	1000	A3E	ASIAN	QG52xi	WIA
28900	6	2013	1	15	0945	A3E	ASIAN	QG52xi	WIA
28912.5	6	2013	1	19	0950	F3E	ASIAN	QG52xi	WIA
28915	6	2013	1	15	0950	A3E	ASIAN	QG52xi	WIA
28925	6	2013	1	1	0440	F3E	ASIAN	QG52xi	WIA
28935	6	2013	1	20	1000	A3E	ASIAN	QG52xi	WIA
28937.5	6	2013	1	1	0050	F3E	ASIAN	QG52xi	WIA
28945	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
28950	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
28962.5	6	2013	1	28	0220	A3E	ASIAN	QG52xi	WIA
28975	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
28985	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
28987.5	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
29000	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
29012.5	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
29025	6	2013	1	11	1005	F3E	ASIAN	QG52xi	WIA
29037.5	6	2013	1	12	0615	F3E	ASIAN	QG52xi	WIA
29050	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
29075	6	2013	1	12	0615	A3E	ASIAN	QG52xi	WIA
29085	6	2013	1	20	1005	A3E	ASIAN	QG52xi	WIA
29100	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
29125	6	2013	1	11	1005	A3E	ASIAN	QG52xi	WIA
29130	6	2013	1	31	0525	A3E	ASIAN	QG52xi	WIA
29140	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
29150	6	2013	1	1	0050	F3E	ASIAN	QG52xi	WIA
29162.5	6	2013	1	1	0445	F3E	ASIAN	QG52xi	WIA
29175	6	2013	1	1	0445	A3E	ASIAN	QG52xi	WIA
29180	6	2013	1	1	0050	A3E	ASIAN	QG52xi	WIA
29187.5	6	2013	1	20	1005	A3E	ASIAN	QG52xi	WIA
29200	6	2013	1	11	1010	F3E	ASIAN	QG52xi	WIA
29205	6	2013	1	15	0950	A3E	ASIAN	QG52xi	WIA
29212.5	6	2013	1	11	1010	A3E	ASIAN	QG52xi	WIA
29215	6	2013	1	20	1005	A3E	ASIAN	QG52xi	WIA
29220	6	2013	1	11	1010	A3E	ASIAN	QG52xi	WIA
29225	6	2013	1	1	0445	F3E	ASIAN	QG52xi	WIA

29237.5	6	2013	1	26	0545	A3E	ASIAN	QG52xi	WIA
29250	6	2013	1	15	0950	A3E	ASIAN	QG52xi	WIA
29262.5	6	2013	1	1	0445	A3E	ASIAN	QG52xi	WIA
29275	6	2013	1	1	0445	F3E	ASIAN	QG52xi	WIA
29285	6	2013	1	26	0545	A3E	ASIAN	QG52xi	WIA
29287.5	6	2013	1	26	0605	A3E	ASIAN	QG52xi	WIA
29300	6	2013	1	1	0055	A3E	ASIAN	QG52xi	WIA
29312.5	6	2013	1	22	0850	A3E	ASIAN	QG52xi	WIA
29315	100	2013	1	20	1010	A2A	LIKE MCW ONLY		
29325	6	2013	1	11	1010	A3E	VERY BROAD	QG52xi	WIA
29337.5	6	2013	1	15	0950	A3E	ASIAN	QG52xi	WIA
29350	100	2013	1	12	0620	A2A	LIKE MCW ONLY		
29350	6	2013	1	11	1010	F3E	VERY BROAD	QG52xi	WIA
29362.5	6	2013	1	12	0620	A3E	ASIAN	QG52xi	WIA
29375	6	2013	1	1	0445	F3E	ASIAN	QG52xi	WIA
29387.5	6	2013	1	17	1020	A3E	ASIAN	QG52xi	WIA
29400	6	2013	1	12	0620	A3E	ASIAN	QG52xi	WIA
29412.5	6	2013	1	22	0850	A3E	ASIAN	QG52xi	WIA
29425	1	2013	1	26	0050	F1B		QG52xi	WIA
29425	6	2013	1	1	0055	A3E	ASIAN	QG52xi	WIA
29437.5	6	2013	1	1	0055	F3E	ASIAN	QG52xi	WIA
29450	6	2013	1	1	0450	A3E	ASIAN	QG52xi	WIA
29455	6	2013	1	26	0545	A3E	ASIAN	QG52xi	WIA
29462.5	6	2013	1	1	0055	F3E	ASIAN	QG52xi	WIA
29475	6	2013	1	1	0450	A3E	ASIAN	QG52xi	WIA
29487.5	6	2013	1	1	0450	A3E	ASIAN	QG52xi	WIA
29512.5	6	2013	1	17	0910	A3E	ASIAN	QG52xi	WIA
29515	6	2013	1	22	0850	A3E	ASIAN	QG52xi	WIA
29525	6	2013	1	1	0055	F3E	ASIAN	QG52xi	WIA
29537.5	6	2013	1	17	1005	A3E	ASIAN	QG52xi	WIA
29550	6	2013	1	1	0055	A3E	ASIAN	QG52xi	WIA
29575	6	2013	1	11	1010	F3E	ASIAN	QG52xi	WIA
29612.5	6	2013	1	17	0935	A3E	ASIAN	QG52xi	WIA
29625	6	2013	1	1	0450	A3E	ASIAN	QG52xi	WIA
29635	6	2013	1	17	0450	A3E	SW BROADCAST	QG52xi	WIA
29637.5	6	2013	1	26	0550	A3E	ASIAN	QG52xi	WIA
29650	6	2013	1	1	0100	F3E	ASIAN	QG52xi	WIA
29660	5	2013	1	1	0100	G7DF	HF MANPACK	QG52xi	WIA
29662.5	6	2013	1	23	1000	A3E	ASIAN	QG52xi	WIA
29675	6	2013	1	1	0450	F3E	ASIAN	QG52xi	WIA
29687.5	6	2013	1	11	1010	A3E	ASIAN	QG52xi	WIA
29700	6	2013	1	1	0100	F3E	ASIAN	QG52xi	WIA