



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



December 2012

Peter Young VK3MV

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

This month there were 1025 observations made across the Region, as compared to last month of 877.

A number of intruders were detected on 15 meters the month. Notably OHR's that are decimating the digital segment of the band and a Chinese Fire dragon jammer on 21145kHz.

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

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

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

Peter – VK3MV

KHz	BW	YYYY	MM	DD		GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3520.0	3	2012	12	18	1750			J3E/U						ASIAN	QG52xi	WIA	VK4TJ
3527.0	3	2012	12	24	1950			G1D							QG52xi	WIA	
3530.0	5	2012	12	31	1905			G7DF						HF MANPACK MANY SUBCARRIERS, RANDOM	QG52xi	WIA	
3553.0	5	2012	12	6	1920			G7D						INTERVALS Japanese song with no call	QG52xi	WIA	
3556	3	2012	12	09		14:51		J3E								JARL	
3568.0	1	2012	12	1	1810			F1B		500				CONTINUOUS	QG52xi	WIA	
3584.0	3	2012	12	1	1810			J1C						DAILY	QG52xi	WIA	
3623.0	3	2012	12	1	1810			J1C						DAILY	QG52xi	WIA	
3628.0		2012	12	31	1900			A1A					L2UB	QTC LIST	QG52xi	WIA	
3700.0	5	2012	12	31	1700			G7DF						HF MANPACK OTHR, CONTINUOUS	QG52xi	WIA	
3700.0	40	2012	12	19	1855			P0N							QG52xi	WIA	
3797.0		2012	12	1	1815			A1A					DRV8	DAILY, QTC LIST	QG52xi	WIA	
3798	0.5	2012	12	02		20:02		A1A						h2fl h2fl h2fl de drvz drvz V h2fl h2fl h2fl de drvz drvz V h2fl h2fl h2fl de drvz drvz V h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2012	12	04		19:49		A1A								JARL	
3798	0.5	2012	12	06		21:22		A1A								JARL	
3798	0.5	2012	12	10		22:10		A1A								JARL	
3798	0.5	2012	12	13		23:23		A1A								JARL	
3798	0.5	2012	12	19		21:22		A1A								JARL	
3798	0.5	2012	12	20		19:57		A1A								JARL	
3798	0.5	2012	12	21		21:43		A1A								JARL	
3798	0.5	2012	12	22		21:50		A1A								JARL	
3798	0.5	2012	12	23		23:25		A1A								JARL	
3798	0.5	2012	12	24		21:32		A1A								JARL	
3798	0.5	2012	12	25		19:31		A1A								JARL	
3798	0.5	2012	12	27		21:08		A1A								JARL	
3798	0.5	2012	12	28		22:13		A1A								JARL	
3800.0	5	2012	12	18	1700			G7DF						HF MANPACK	QG52xi	WIA	
3803	0.5	2012	12	20		20:01		A1A						random number		JARL	
3803	0.5	2012	12	21		21:45		A1A						random number DAILY, OTHR, SPILLS INTO		JARL	
6990.0	50	2012	12	1	1825			P0N						AMATEUR BAND	QG52xi	WIA	

7000.0	6	2012	12	1	1020		A2A				DAILY, QRS CW	QG52xi	WIA	
7000.0	3	2012	12	1	1020		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7000	+100	2012	12	07	<1830>	1830	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000	+100	2012	12	22	<1745>	1745	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000		2012	12	DY	<0530>	0530-1900	J3E/U		?	Unid	Non-amateurs - when OTHR is not present	RF72LQ	NZART	ZL1BAD
7000	+100	2012	12	31	<1815>	1815	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7001	3.3	2012	12	31	<1055>	1055	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7005.0	5	2012	12	1	1030		G7DF				HF MANPACK	QG52xi	WIA	
7007	100	2012	12	07	<1854>	1854	P0N		?	Unid	OTHR slow pulse, continuous into CW section 40 m	RF73IJ	NZART	ZL1TPH
7010.0	3	2012	12	1	1020		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010.0	3	2012	12	1	1030		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7015.0	3	2012	12	2	1920		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7015.0	3	2012	12	6	1140		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7015				30	<0215-0230>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM 8 SUBCARRIERS ON 200 HZ INTERVALS, ALL HEAVILY PSK'D	MK82	ARSI	
7017.0	5	2012	12	1	1825		G7D				HF MANPACK	QG52xi	WIA	
7020.0	5	2012	12	23	2015		G7DF				DAILY, VILLAGE RADIO	QG52xi	WIA	
7020.0	3	2012	12	6	1140		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7020.0	3	2012	12	2	1040		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7022.0	1	2012	12	28	1940		F1B				LIKE SELCALL	QG52xi	WIA	
7025.0	3	2012	12	1	1025		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7025.0	1	2012	12	1	1025		F1B	200			CONTINUOUS	QG52xi	WIA	
7030	30	2012	12	25	<1025>	1025	P0N		?	Unid	OTHR Continuous 50 PPS	RF72LQ	NZART	ZL1BAD
7038.7		2012	12	5	1940		A1A		RU	D	DAILY, HARBOUR BEACON	QG52xi	WIA	
7038.8		2012	12	7	1055		A1A		RU	S	DAILY, HARBOUR BEACON	QG52xi	WIA	
7038.8		2012	12	6	2010		A1A		RU	P	DAILY, HARBOUR BEACON	QG52xi	WIA	

7039		2012	12	DY	<0530>	0530-1900	A1A		RUS	C	Moscow - Beacon	RF72LQ	NZART	ZL1BAD
7039		2012	12	DY	<0530>	0530-1900	A1A		RUS	BEACON A	C - RIW Astrakhan (No call sign)	RF72LQ	NZART	ZL1BAD
7039		2012	12	DY	<0530>	0530-1900	A1A		RUS	F	Vladivostok - Beacon F - RJS	RF72LQ	NZART	ZL1BAD
7039		2012	12	DY	<0530>	0530-1900	A1A		RUS	P	Kaliningrad - Beacon P - RMP	RF72LQ	NZART	ZL1BAD
7039	0.5	2012	12	01	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	01	2030	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	02	0830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	02	0834	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	02	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	02	2104	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	02	2108	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	02	2306	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	02	2308	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	03	1208	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	03	2230	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	03	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	04	1812	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	04	2030	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	04	2034	H24	A1A	15	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	04	2238	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	04	2240	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	05	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	05	1826	H24	A1A	310	KGZ	A--signal	Beacon	PM97	JARL	Kirgisistan

7039	0.5	2012	12	05	2230	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	05	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	06	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	06	1640	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	06	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	06	1820	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	06	1824	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	06	2140	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	06	2144	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	06	2310	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	06	2312	H24	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	12	07	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	07	1640	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	07	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	07	2020	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	07	2024	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	07	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	07	2304	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	08	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	08	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	08	2106	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	08	2110	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2012	12	08	2306	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	09	1814	H24	A1A	310	KGZ	A--signal	Beacon	PM97	JARL	Kirgisistan
7039	0.5	2012	12	09	1816	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol
7039	0.5	2012	12	09	1820	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	09	2306	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	10	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	10	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	10	1640	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	10	1716	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	10	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	10	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	10	2230	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	10	2232	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	11	1206	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	11	1810	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	11	1814	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol
7039	0.5	2012	12	11	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	11	2224	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	12	1822	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	12	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	12	2220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	12	2222	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	12	13	0520	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	13	0524	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	13	1824	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	13	1830	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol
7039	0.5	2012	12	13	2238	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	13	2240	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	14	1010	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	14	1220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	14	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	14	1614	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	14	1826	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	14	2218	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	15	0820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	15	1818	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	15	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	16	0640	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	16	1816	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	16	1820	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	16	2250	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	16	2306	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	17	1820	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol
7039	0.5	2012	12	17	2220	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	12	17	2310	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	18	0950	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	18	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	18	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	18	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	18	2216	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	18	2306	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	1010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	1214	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	1606	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	1946	H24	A1A	310	KGZ	A--signal	Beacon	PM97	JARL	Kirgisistan
7039	0.5	2012	12	19	1950	H24	A1A	15	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	2218	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	19	2310	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	20	0950	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	20	0954	H24	A1A	15	RUS	5M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	20	1208	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	20	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	20	1920	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	20	2230	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	20	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	21	1004	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	21	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	12	21	1606	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	21	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	21	1832	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	21	2222	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	21	2224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	22	1010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	1014	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	22	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	1608	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	2010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	2216	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	2218	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	22	2310	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	22	2314	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	23	1230	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	23	1640	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	23	1816	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	23	1820	H24	A1A	310	KGZ	A--signal	Beacon	PM97	JARL	Kirgisistan
7039	0.5	2012	12	23	2226	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	24	1010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	24	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	24	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy

7039	0.5	2012	12	24	1832	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	24	2250	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	25	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	25	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	25	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	25	2250	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	25	2320	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	26	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	26	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	26	1834	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	26	2230	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	26	2232	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	27	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	27	1210	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	27	1650	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	27	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	27	1836	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol
7039	0.5	2012	12	27	2228	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	28	1210	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	28	1620	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	28	1830	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	28	1836	H24	A1A	317	UKR	D--signal	Beacon	PM97	JARL	Sevastopol

7039	0.5	2012	12	28	2240	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	1010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	1720	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	1840	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	29	2248	H24	A1A	37	RUS	F--signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	30	1206	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	30	1610	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	30	1708	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	30	1820	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	30	2220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	1010	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	1014	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	31	1220	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	1224	H24	A1A	15	RUS	M--signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	12	31	1608	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	1710	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	1810	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	2230	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	12	31	2308	H24	A1A	37	RUS	K--siganl	Beacon	PM97	JARL	Kamchatskiy
7039.2		2012	12	5	1940		A1A		RU	A	Beacon DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.2		2012	12	1	1830		A1A		RU	F	Beacon DAILY, HARBOUR BEACON	QG52xi	WIA	

7039.2		2012	12	1	1020		A1A	RU	K	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2012	12	DY	<0530>	0530- 1900	A1A	RUS	K	Petropavlovsk - Beacon K - RCC	RF72LQ	NZART	ZL1BAD
7039.4		2012	12	1	1020		A1A	RU	M	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.4		2012	12	DY	<0530>	0530- 1900	A1A	RUS	M	Magadan - Beacon M - RTS	RF72LQ	NZART	ZL1BAD
7039.9		2012	12	DY	<0530>	0530- 1900	A1A	RUS	S	Severomorsk - Beacon S - RIT	RF72LQ	NZART	ZL1BAD
7040	0.5	2012	12	01		15:59	A1A			train of " F ", " M ", " K "		JARL	
7040	0.5	2012	12	02		20:03	A1A			train of " M ", " K "		JARL	
7040	0.5	2012	12	04		20:09	A1A			train of " M "		JARL	
7040	0.5	2012	12	06		21:23	A1A			train of " K "		JARL	
7040	0.5	2012	12	07		17:08	A1A			train of " K ", " M "		JARL	
7040	0.5	2012	12	07		14:55	A1A			train of " M "		JARL	
7040	0.5	2012	12	09		14:55	A1A			train of " M "		JARL	
7040	0.5	2012	12	10		22:11	A1A			train of " K ", " M "		JARL	
7040	0.5	2012	12	13		23:28	A1A			train of "D","M"		JARL	
7040	0.5	2012	12	19		21:25	A1A			train of " K "		JARL	
7040	0.5	2012	12	20		20:03	A1A			train of " K "		JARL	
7040	0.5	2012	12	20		20:03	A1A			train of " M EEEEEE M"		JARL	
7040	0.5	2012	12	21		21:47	A1A			train of " M "		JARL	
7040	0.5	2012	12	22		21:51	A1A			train of " K "		JARL	
7040	0.5	2012	12	23		23:26	A1A			train of " K "		JARL	
7040	0.5	2012	12	24		21:34	A1A			train of " K "		JARL	
7040	0.5	2012	12	25		19:35	A1A			train of " K "		JARL	
7040	0.5	2012	12	27		21:10	A1A			train of " K "		JARL	
7040	0.5	2012	12	28		22:16	A1A			train of " K ", " M "		JARL	
7042.6	10	2012	12	19	1910		A2A	RU	D	HARBOUR BEACON, BROAD	QG52xi	WIA	
7050.0	5	2012	12	6	1955		G7DF			A2A SIDEBANDS	QG52xi	WIA	
7054	3.3	2012	12	22	<1745>	1745	M7B	?	Unid	HF MANPACK Multi-chnl	RF72LQ	NZART	ZL1BAD
7064.0	5	2012	12	6	1955		G7D			100'S OF SUBCARRIERS ON 33 HZ INTERVALS	QG52xi	WIA	
7065	70	2012	12	23	<1135>	1135	P0N	?	Unid	OTHR Contiguous. 50 PPS	RF72LQ	NZART	ZL1BAD
7070.0	20	2012	12	27	1210		P0N			OTHR, BURSTS	QG52xi	WIA	
7083.0		2012	12	20	1020		A1A		8IPR		QG52xi	WIA	
7085	50	2012	12	12	<0850>	0850	P0N	?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
7088.0	5	2012	12	24	2000		G1D			BURSTS	QG52xi	WIA	
7090.7	3	2012	12	6	1950		A2A			MCW	QG52xi	WIA	
7091.0		2012	12	6	1950		A1A			NUMBER CIPHER	QG52xi	WIA	

7095.0	5	2012	12	19	1910		G7D					ABOUT 8 SUBCARRIERS ON 150 HZ INTERVALS, VERY BROAD PSK	QG52xi	WIA	
7099.0		2012	12	18	1745		A1A					NUMBER CIPHER	QG52xi	WIA	
7105	5	2012	12	01	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music unknown music only classical Chinese play music	PM97	JARL	Hohhot	
7105	5	2012	12	01	2216	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	1	2012	12	02	2158	H24	A0N	non	non	non	no modulation	PM97	JARL	non	
7105	5	2012	12	02	2200	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music unknown music only classical Chinese play music	PM97	JARL	Hohhot	
7105	5	2012	12	02	2204	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	02	2256	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music unknown music only classical Chinese play music	PM97	JARL	Hohhot	
7105	5	2012	12	02	2258	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	03	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music unknown music only classical Chinese play music	PM97	JARL	Hohhot	
7105	5	2012	12	03	2224	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	04	2230	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music Chinese Talk and Music	PM97	JARL	Hohhot	
7105	3	2012	12	04	2234	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	05	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non	
7105	5	2012	12	05	2224	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music Chinese Talk and Music	PM97	JARL	Hohhot	
7105	5	2012	12	06	2216	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	06	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music Chinese Talk and Music	PM97	JARL	Hohhot	
7105	5	2012	12	06	2256	H24	A3E	non	CHN	non		PM97	JARL	non	
7105	5	2012	12	06	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot	

7105	5	2012	12	07	2230	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	07	2236	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	07	2256	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	07	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	08	2230	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	08	2234	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	08	2256	H24	A3E	non	CHN	non	Chinese Talk and Music 23:00	PM97	JARL	non
7105	5	2012	12	08	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	09	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	09	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	09	2256	H24	A3E	non	CHN	PBS Nei Meng	Chinese Talk and Music 23:00	PM97	JARL	Hohhot
7105	5	2012	12	09	2258	H24	A3E	non	CHN	non	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	non
7105	5	2012	12	10	2218	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	10	2224	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	11	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	11	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	12	2212	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	12	2216	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	13	2230	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	13	2234	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	14	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	14	2212	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non

7105	5	2012	12	15	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	15	2210	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	16	2240	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	16	2244	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	16	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	17	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	17	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	17	2258	H24	A3E	273	RUS	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	18	2206	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	18	2210	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	18	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	19	2208	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	19	2212	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	19	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00 UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	20	2216	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	20	2220	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	21	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	21	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	22	2204	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	22	2208	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	22	2258	H24	A3E	273	CHN	PBS Nei Meng	Beacon	PM97	JARL	Hohhot
7105	5	2012	12	23	2216	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot

7105	3	2012	12	23	2220	H24	A3E	non	CHN	non	Chinese Talk and Music unknown music only classical Chinese Play	PM97	JARL	non
7105	5	2012	12	24	2240	H24	A3E	273	CHN	PBS Nei Meng	music	PM97	JARL	non
7105	3	2012	12	24	2244	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	24	2256	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music unknown music only classical Chinese Play	PM97	JARL	Hohhot
7105	5	2012	12	24	2258	H24	A3E	non	CHN	non	music	PM97	JARL	non
7105	5	2012	12	25	2240	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	25	2244	H24	A3E	non	CHN	non	Chinese Music only	PM97	JARL	non
7105	5	2012	12	25	2256	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	5	2012	12	25	2258	H24	A3E	non	CHN	non	Chinese Music only	PM97	JARL	non
7105	5	2012	12	26	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	26	2224	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	27	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	27	2224	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	28	2230	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	28	2234	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	29	2240	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	29	2244	H24	A3E	non	CHN	non	Chinese Music only Chinese Talk and Music 23:00	PM97	JARL	non
7105	5	2012	12	29	2258	H24	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7105	5	2012	12	30	2210	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	30	2214	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	12	31	2220	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	12	31	2224	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non

7105	5	2012	12	31	2258	H24	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00			
7110.0	30	2012	12	7	1055		P0N				UTC Time signal 5+1 after QRT	PM97	JARL	Hohhot
7110.0	8	2012	12	2	1025		A3E		BRM		OTHR DAILY, SW BROADCAST	QG52xi	WIA	
7110		2012	12	08	<1300>	1300	A3E		?	Unid	B-C stn. Music & Talk	RF72LQ	NZART	ZL1BAD
7110		2012	12	23	<1140>	1140	A3E		?	Unid	B-C stn. Music & Talk	RF72LQ	NZART	ZL1BAD
7120.0	5	2012	12	27	1210		G7DF				HF MANPACK SW BROADCAST, RADIO	QG52xi	WIA	
7120.0	8	2012	12	1	1820		A3E		SOM		HARGEISA	QG52xi	WIA	
7120.0	3	2012	12	7	1055		J3E/U				ASIAN 100'S OF SUBCARRIERS	QG52xi	WIA	
7120.0	5	2012	12	1	1820		G7D				ON 33 HZ INTERVALS	QG52xi	WIA	
7120		2012	12	29	<1255-1300>		A3E		UNID	UNID	Commercial broadcast	NL06	ARSI	
7120		2012	12	DY	<1725>	1725-1830	A3E		?	Unid	B-C stn. Music & Talk	RF72LQ	NZART	ZL1BAD
7120	40	2012	12	19	<0840>	0840	P0N		?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
7120	2.4	2012	12	04	<1750>	1750	A3E/AM		?	Unid	AM broadcast station	RF73IJ	NZART	ZL1TPH
7120	2.4	2012	12	07	<1849>	1849	A3E/AM		?	Unid	AM broadcast station, music	RF73IJ	NZART	ZL1TPH
7120	3	2012	12	02	1814	H24	A3E	non	non	non	Asian voices	PM97	JARL	non
7120	3	2012	12	03	1810	H24	A3E	non	non	non	Beacon unknown Talk and Music	PM97	JARL	non
7120	3	2012	12	04	1818	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	05	1820	H24	A3E	non	non	non	Beacon unknown music and talk	PM97	JARL	non
7120	3	2012	12	08	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	09	1808	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	10	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	12	1816	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	13	1816	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	14	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	15	1810	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	16	1810	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	21	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non

7120	3	2012	12	23	1810	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	24	1824	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	25	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	27	1816	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	28	1820	H24	A3E	non	non	non	unknown music and talk	PM97	JARL	non
7120	3	2012	12	30	1814	H24	A3E	non	non	non	unknown Talk and Music	PM97	JARL	non
7121.6	3	2012	12	20	1020		J3E/U				ASIAN	QG52xi	WIA	
7123.1	3	2012	12	2	1035		J3E/U				ASIAN, SOUNDS BAHASA	QG52xi	WIA	
7130.0	50	2012	12	8	0950		P0N				OTHR, CONTINUOUS 100'S OR RANDOM INTERVAL	QG52xi	WIA	
7145.0	10	2012	12	28	1930		G7D				SUBCARRIERS	QG52xi	WIA	
7145		2012	12	28	<1840>	1840	F7D		?	Unid	8 chnls all idling	RF72LQ	NZART	ZL1BAD
7150.0	30	2012	12	3	1025		P0N				OTHR	QG52xi	WIA	
7150.1	3	2012	12	7	1050		J3E/U		PHL		TAGALOG	QG52xi	WIA	
7155	50	2012	12	12	<0850>	0850	P0N		?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
7156.0	3	2012	12	8	0950		A2A				QRS CW	QG52xi	WIA	
7160.0	30	2012	12	1	1820		P0N				OTHR	QG52xi	WIA	
7165		2012	12	20	<1725>	1725	A3E		?	Unid	Music & talks. B-C stn	RF72LQ	NZART	ZL1BAD
7165	3.3	2012	12	30	<0630>	0630	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7167.1		2012	12	3	1025		A1A				QRS CIPHER GROUPS	QG52xi	WIA	
7170.0	5	2012	12	2	1915		G7DF				HF MANPACK	QG52xi	WIA	
7170	60	2012	12	28	<1830>	1830	P0N		?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
7171.7	3	2012	12	20	1020		J3E/U				ASIAN MIXED NUMBER/LETTER CIPHER, MANY NON-ENGLISH CHAR.	QG52xi	WIA	
7171.8		2012	12	3	1025		A1A					QG52xi	WIA	
7174.0		2012	12	30	1905		N0N					QG52xi	WIA	
7174.0	3	2012	12	30	1910		D1D					QG52xi	WIA	
7175		2012	12	22	<1745>	1745	A3E		?	Unid	B-C stn. Music & Talk	RF72LQ	NZART	ZL1BAD
7178	3.3	2012	12	28	<1835>	1835	M7B		?	Unid	Multi-chnl, idling	RF72LQ	NZART	ZL1BAD
7180.0	30	2012	12	6	1010		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
7180.9	3	2012	12	28	1930		J3E/L				ASIAN, FAMILY NET	QG52xi	WIA	
7185.8	8	2012	12	2	1030		A3E		BRM		DAILY, SW BROADCAST	QG52xi	WIA	

7186.0	5	2012	12	20	1025		G7D			10 SUBCARRIERS ON 200 HZ INTERVALS, BROAD PSK	QG52xi	WIA	
7186		2012	12	31	<1055>	1055- 1815	F7D	?	Unid	8 Chnls Usually Russian Military SW BROADCAST, ARABIC-LIKE LANGUAGE HINDI SERVICE OF SLBC, SRI LANKA. B-C stn. Music & Talk	RF72LQ	NZART	ZL1BAD
7190.0	8	2012	12	28	1920		A3E			DAILY, TAGALOG, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
7190	6			31	<0250-0300>		A3E	CLN	SLBC		MK82	ARSI	
7190		2012	12	28	<1820>	1820	A3E	?	Unid		RF72LQ	NZART	ZL1BAD
7193.4	3	2012	12	2	1910		J3E/U	PHL			QG52xi	WIA	
7195.0	5	2012	12	31	1935		G7DF			HF MANPACK	QG52xi	WIA	
7196.3	5	2012	12	20	1025		G1D			BROAD PSK	QG52xi	WIA	
7200.0	8	2012	12	1	1815		A3E	SUD		DAILY, SW BROADCAST	QG52xi	WIA	
10115.0	5	2012	12	23	2025		G7DF			HF MANPACK	QG52xi	WIA	
10120.0	5	2012	12	19	1915		G7DF			HF MANPACK	QG52xi	WIA	
10140.0	8	2012	12	2	1025		A3E	KRE		SW BROADCAST	QG52xi	WIA	
14000.0	3	2012	12	28	0945		J3E/U			DAILY, ASIAN	QG52xi	WIA	
14000.0	6	2012	12	4	0920		A2A			QRS CW	QG52xi	WIA	
14000	3	2012	12	1	23:34--23:57		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	4	<03:15-- 03:21		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	4	06:50--07:06		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	4	07:35--07:55		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	4	<23:40-- 23:50		J3E/U	315	CLN	Group of males	Of84wx	WIA	
14000	3	2012	12	5	00:10--00:11		J3E/U	315	CLN	1 male 2 short calls, no reply	Of84wx	WIA	
14000	3	2012	12	6	23:08--23:45		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	7	00:30--00:38		J3E/U	315	CLN	2 males	Of84wx	WIA	
14000	3	2012	12	7	23:00--23:10		J3E/U	315	CLN	Group of males	Of84wx	WIA	
14000	3	2012	12	10	23:10--23:30		J3E/U	315	CLN	2 males	Of84wx	WIA	

14000	3	2012	12	11	01:15--02:15	J3E/U	315	CLN	2 males, on-off short talks	OF84wx	WIA
14000	3	2012	12	11	05:20--05:33	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	11	23:10--23:45	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	12	00:10--00:37	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	12	01:15--01:22	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	12	22:45--00:50	J3E/U	315	CLN	Group of males, some terrible music played!!!	OF84wx	WIA
14000	3	2012	12	13	22:45--00:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	14	01:00--01:22	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	14	07:10--08:07	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	14	08:30--08:57	J3E/U	315	CLN	2 males (one singing, not nice)	OF84wx	WIA
14000	3	2012	12	14	22:35--23:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	15	07:25--09:20	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	15	22:52--00:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	16	01:00--01:35	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	16	<06:50-- 08:24	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	17	00:02--01:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	17	<07:30-- 09:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	17	22:45--23:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	18	00:15--00:55	J3E/U	315	CLN	2 males on-off short talks	OF84wx	WIA
14000	3	2012	12	18	01:11--01:30	J3E/U	315	CLN	2 males on-off short talks	OF84wx	WIA
14000	3	2012	12	18	22:43--23:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	19	07:35--07:45	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2012	12	20	07:10--09:55	J3E/U	315	CCLN	2 males few callsper hr , often no reply	OF84wx	WIA
14000	3	2012	12	21	23:18--23:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	21	23:43--23:48	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	22	23:15--23:37	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	23	08:10-- 08:30>	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	23	22:50--00:40	J3E/U	315	CLN	2 males, on-off short calls	OF84wx	WIA
14000	3	2012	12	24	03:10--04:30	J3E/U	315	CLN	2 males, on-off short calls	OF84wx	WIA
14000	3	2012	12	25	00:42--00:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	12	26	22:5--22"54	J3E/U	315	CLN	2 males, sort calls	OF84wx	WIA
14000	3	2012	12	26	23:35--00:30	J3E/U	315	CLN	2 males on-off short calls	OF84wx	WIA
14000	3	2012	12	27	22:50--22:51	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2012	12	27	23:25--23:33	J3E/U	315	CLN	singing and music, 1 male calling, no reply	OF84wx	WIA
14000	3	2012	12	28	00:36--00:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	28	01:50--06:30	J3E/U	315	CLN	2 males sort calls 3 to 4 times per hr	OF84wx	WIA
14000	3	2012	12	28	0.991875	J3E/U	315	CLN	Group of males very active	OF84wx	WIA
14000	3	2012	12	28	23:15--23:48	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	29	00:18--00:23	J3E/U	315	CLN	1 male calling, no reply	OF84wx	WIA
14000	3	2012	12	29	03:05--07:30	J3E/U	315	CLN	2 males, on-off 3-4 times per hr	OF84wx	WIA
14000	3	2012	12	29	23:20--23:42	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	30	00:08--00:25	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	30	00:40--00:55	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	12	30	01:50--02:20	J3E/U	315	CLN	Group of males	OF84wx	WIA

14000	3	2012	12	30	23:28--23:38		J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2012	12	31	00:02--00:35		J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2012	12	31	08:05--08:45		J3E/U	315	CLN	2 males	OF84wx	WIA		
14000	3	2012	12	31	23:03--23:37		J3E/U	315	CLN	2 males	OF84wx	WIA		
14000										Rough Carrier with huffer puffer intruder - suspected to be Chinese	RF80HL	NZART	ZL2IFB	
14001.2	3	2012	12	04 18	<0500> 01:00--01:10	0500	N0N J3E/U	150 315	? CLN	Unid	2 males	OF84wx	WIA	
14001.3	3	2012	12	5	23:10--23:30		J3E/U	315	CLN	2 males	OF84wx	WIA		
14001.5	3	2012	12	1	00:40--00:52		J3E/U	315	CLN	Group of males	OF84wx	WIA		VK6XW
14001.5	3	2012	12	2	00:36--00:45		J3E/U	315	CLN	2 males	OF84wx	WIA		
14001.6	3	2012	12	22	09:15--09:55		J3E/L	315	CLN	2 males on-off	OF84wx	WIA		
14002	3	2012	12	17	09:05--09:15		J3E/U	360	INS	male-female	OF84wx	WIA		
14002.8	3	2012	12	1	1015		J3E/U				ASIAN, SOUNDS HINDI	QG52xi	WIA	
14005.0	5	2012	12	31	0645		G7DF				HF MANPACK	QG52xi	WIA	
14009.3	3	2012	12	19	23:40--23:50		J3E/U	315	CLN	2 males	OF84wx	WIA		
14010.0	8	2012	12	25	0935		A3E				CHINESE INSTRUMENTAL MUSIC USED TO BLOCK RFA	QG52xi	WIA	
14010		2012	12	25	<0536>	0536	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14010.2	3	2012	12	23	2120		J3E/L				ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	QG52xi	WIA	
14014		2012	12	13	<0250-0300>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	MK82	ARSI	
14014				14	<0240-0250>		J3E/U		CLN	UNID		MK82	ARSI	

14014				15	<0240-0300>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14014				31	<0250-0300>		J3E/U		CLN	UNID	ASIAN	MK82	ARSI	
14015.1	3	2012	12	3	1005		J3E/U				2 males	QG52xi	WIA	
14016.5	3	2012	12	7	<22:50--22:55		J3E/U	315	CLN			OF84wx	WIA	
14020.0	3	2012	12	20	2055		J3E/L				SPANISH OR PORTUGUESE FISHBOATS HF Man Pack 8-PSK S1	QG52xi	WIA	
14024		2012	12	25	<0523>	0523	G7DF	130	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14024		2012	12	25	<0543>	0543	G7DF	130	?	Unid	2 males vy busy never stopped	RF73MF	NZART	ZL1GWE
14025	3	2012	12	2	<23:30--00:50		J3E/U	315	CLN			OF84wx	WIA	
14025	3	2012	12	3	22:45--23:22		J3E/U	315	CLN		2 males	OF84wx	WIA	
14025	3	2012	12	3	23:55--00:02		J3E/U	315	CLN		1 male calling, no reply	OF84wx	WIA	
14025	3	2012	12	4	22:50--00:02		J3E/U	315	CLN		2 males	OF84wx	WIA	
14025	3	2012	12	7	23:14--00:50		J3E/U	315	CLN		2 males	OF84wx	WIA	
14025	3	2012	12	10	23:10--23:30		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14025		2012	12	25	<0536>	0536	G7DF	130	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZI1GWE
14027	3	2012	12	5	23:00--01:15		J3E/L	315	CLN		Group of males	OF84wx	WIA	
14027	3	2012	12	12	07:12--08:35		J3E/U	315	CLN		2 males	OF84ec	WIA	
14033.0	3	2012	12	4	0940		J3E/L				ASIAN	QG52xi	WIA	
14035.0	3	2012	12	22	1215		J3E/U				SOUNDS ARABIC HF Man Pack 8-PSK S1	QG52xi	WIA	
14036		2012	12	25	<0521>	0512	G7DF	130	?	Unid	HF MANPACK, HEARD MANY TIMES	RF73MF	NZART	ZL1GWE
14040.0	5	2012	12	2	1020		G7DF				HF Man Pack 8-PSK S1	QG52xi	WIA	
14043		2012	12	25	<0514>	0514	G7DF	130	?	Unid	HF Man Pack 8-	RF73MF	NZART	ZL1GWE
14043		2012	12	25	<0547>	0547	G7DF	130	?	Unid	HF Man Pack 8-	RF73MF	NZART	ZL1GWE

14045.0	1	2012	12	26	1020		F1B	300			PSK S22	QG52xi	WIA	
14045.0	5	2012	12	21	2030		G7DF				HF MANPACK	QG52xi	WIA	
14048.0	3	2012	12	11	0350		J3E/U		PHL		ALL DAY EVERY DAY. TAGALOG	QG52xi	WIA	
14049		2012	12	25	<0543>	0543	G7DF	130	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14049.9	3	2012	12	5	1930		J3E/U				ASIAN	QG52xi	WIA	
14050.0	5	2012	12	2	0035		G7DF				HF MANPACK, HEARD MANY TIMES	QG52xi	WIA	
14050.0	3	2012	12	7	1950		J3E/U				ASIAN	QG52xi	WIA	
14055.0	5	2012	12	22	2345		G7DF				HF MANPACK, HEARD MANY TIMES	QG52xi	WIA	
14056		2012	12	25	<0516>	0516	G7DF	130	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14056.6	3	2012	12	1	1015		J3E/U				ASIAN	QG52xi	WIA	
14057.0	3	2012	12	24	2130		J3E/U				ASIAN	QG52xi	WIA	
14057	3	2012	12	16	23:15--23:45		J3E/U	315	CLN		2 males	OF84wx	WIA	
14058.7	3	2012	12	22	1000		J3E/U				ASIAN	QG52xi	WIA	
14060.0	5	2012	12	3	2015		G7DF				HF MANPACK	QG52xi	WIA	
14061		2012	12	25	<0519>	0519	G7DF	130	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14061		2012	12	25	<0547>	0547	G7DF	130	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14062.0	5	2012	12	4	0915		G7D				4 PAIRS OF SUBCARRIERS ON 250 HZ INTERVALS	QG52xi	WIA	
14064.6	3	2012	12	26	1025		J3E/L				ASIAN, FAMILY NET	QG52xi	WIA	
14065		2012	12	25	<0506>	0506	G7DF	130	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
14066	3	2012	12	15	<07:00--07:11		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14066.7	3	2012	12	23	2030		J3E/U				ASIAN	QG52xi	WIA	
14085.0	5	2012	12	31	0650		G7DF				HF MANPACK	QG52xi	WIA	
14090.0	30	2012	12	2	1020		VXX				DAILY, CODAR, SWEEPS 30 KHZ	QG52xi	WIA	
14091.0	3	2012	12	2	1020		J3E/U				ASIAN	QG52xi	WIA	
14092.0	3	2012	12	20	2100		J3E/L				SPANISH OR PORTUGUESE FISHBOATS	QG52xi	WIA	
14100	60	2012	12	DY	<1145>	1145-2030	P0N		?	Unid	CODAR S.S.R. 2 PPS	RF72LQ	NZART	ZL1BAD
14101		2012	12	25	<0523>	0523	G7DF	130	?	Unid	HF Man Pack	RF73MF	NZART	ZL1GWE

14103		2012	12	25	<0539>	0539	G7DF	130	?	Unid	8PSK S1 HF Man Pack 8- PSK S2 OTHR, LONG BURSTS	RF73MF	NZART	ZL1GWE
14110.0	20	2012	12	29	0250		P0N					QG52xi	WIA	
14111.1	3	2012	12	2	1020		J3E/U				ASIAN	QG52xi	WIA	
14119.8	3	2012	12	22	1220		J3E/L				ASIAN	QG52xi	WIA	
14122.0	5	2012	12	11	0350		G7D				8 PAIRS OF SUBCARRIERS ON 250 HZ INTERVALS	QG52xi	WIA	
14127		2012	12	25	<0547>	0547	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14130		2012	12	25	<0551>	0551	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14131.9	6	2012	12	8	0940		A2A				QRS CW	QG52xi	WIA	
14133		2012	12	25	<0552>	0552	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14141.0	1	2012	12	4	0950		F1B	500			CONTINUOUS	QG52xi	WIA	
14145		2012	12	25	<0517>	0517	G7DF	130	?	Unid	HF Man pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14151		2012	12	25	<0531>	0531	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14159.8	3	2012	12	6	1000		J3E/U				ASIAN	QG52xi	WIA	
14192		2012	12	25	<0539>	0539	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14205		2012	12	25	<0509>	0509	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14210.0	10	2012	12	24	0000		P0N				SHORT BURSTS, 2 PULSE RATES, STARTER BEEP	QG52xi	WIA	
14212	9	2012	12	25	<0614>	0614	P0N	330	?	Unid	OTHR 44 PPS S4 continuous	RF73MF	NZART	ZL1GWE
14220.0	5	2012	12	31	0640		G7DF				HF MANPACK	QG52xi	WIA	
14224		2012	12	25	<0524>	0524	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14227		2012	12	25	<0530>	0530	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14230.0	20	2012	12	31	0640		P0N				OTHR, BURSTS	QG52xi	WIA	
14230	30	2012	12	17	<0005>	0005	P0N		?	Unid	OTHR 3.5 sec burst every 35 secs. 70 PPS	RF72LQ	NZART	ZL1BAD
14230	30	2012	12	28	<0130>	0130	P0N		?	Unid	OTHR 2 Sec burst every 20 secs. 70 PPS	RF72LQ	NZART	ZL1BAD
14231		2012	12	31	<0628>	0628	P0N	330	?	Unid	OTHR 66pps S8	RF73MF	NZART	ZL1GWE
14232		2012	12	25	<0547>	0547	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14232	12	2012	12	31	<0636>	0636-	P0N	330	?	Unid	OTHR 66pps S8 3.5 second bursts	RF73MF	NZART	ZL1GWE
14233		2012	12	25	<0524>	0524	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE

14233		2012	12	DY	HX	HX	G7DE		?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
14233		2012	12	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
14233		2012	12	DY	HX	HX	G7DE		?	Unid	HF Man Pack 6 PSK	RF72LQ	NZART	ZL1BAD
14235.0	3	2012	12	4	0950		J3E/L				ASIAN	QG52xi	WIA	
14240.0	1	2012	12	22	1220		F1B	250			CONTINUOUS	QG52xi	WIA	
14240	3.3	2012	12	23	<1150>	1150	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
14244		2012	12	25	<0530>	0530	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14246		2012	12	25	<0519>	0519	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14248		2012	12	25	<0510>	0510	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14250		2012	12	25	<0543>	0543	G7DF	130	?	Unid	HF Man Pack 8_PSK S2	RF73MF	NZART	ZL1GWE
14261	10	2012	12	25	>0008>	0008	P0N	330	?	Unid	OTHR 66pps S4	RF73MF	NZART	ZL1GWE
14262		2012	12	31	<0637>	0637	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14271		2012	12	25	<0617>	0617	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14282		2012	12	11	<1100-1105>		J3E/U		UNID	UNID	2 OM IN unidentified language	NL06	ARSI	
14282.8	3	2012	12	4	0955		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14286		2012	12	25	<0547>	0547	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14288		2012	12	25	<0518>	0518	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14300.0	20	2012	12	26	0725		P0N				OTHR, BURSTS	QG52xi	WIA	
14302	12	2012	12	25	<0008>	0008	P0N	330	?	Unid	OTHR 66pps S4	RF73MF	NZART	ZL1GWE
14308.5	11	2012	12	25	<0008>	0008	P0N	330	?	Unid	OTHR 66pps S4	RF73MF	NZART	ZL1GWE
14317		2012	12	25	<0514>	0514	G7DF	130	?	Unid	HF Man pack 8- PSK S1	RF73MF	NZART	ZL1GWE
14320.0	40	2012	12	20	0940		P0N				OTHR, BURSTS	QG52xi	WIA	
14322		2012	12	25	<0530>	0530	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
14323.5	3	2012	12	20	0940		J3E/U				ASIAN	QG52xi	WIA	
14326.0	5	2012	12	3	1010		G7D				100'S OF SUBCARRIERS ON 50 HZ INTERVALS	QG52xi	WIA	
14328.0	3	2012	12	28	0955		J3E/U				ASIAN	QG52xi	WIA	
14328.5	3	2012	12	7	1020		J3E/U				DAILY, ASIAN	QG52xi	WIA	
14328.7	3	2012	12	3	1015		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
14337		2012	12	25	<0536>	0536	g7df	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE

14338		2012	12	25	<0539>	0539	G7DF	130	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
14338.9	3	2012	12	20	0940		J3E/U				ASIAN FAMILY	QG52xi	WIA	
14340.0	20	2012	12	26	0725		P0N				NET	QG52xi	WIA	
14342	10	2012	12	25	<0008>	0008	P0N	330	?	Unid	OTHR, BURSTS	RF73MF	NZART	ZL1GWE
14344.0	1	2012	12	2	1025		G7D				OTHR 66pps S4	QG52xi	WIA	
14346		2012	12	25	<0548>	0548	G7DF	130	?	Unid	LIKE SELCALL	RF73MF	NZART	ZL1GWE
14348.0	3	2012	12	2	1025		J3E/U				HF Man Pack 8-PSK S2	QG52xi	WIA	
14352.7	3	2012	12	26	1030		J3E/L				ASIAN	QG52xi	WIA	
											ASIAN			
											OTHR, S9			
											continuous, 18060			
											to 18071 inside			
18058	25	2012	12	24	<0548>	0548-0554	P0N		?		our band	RF73IJ	NZART	ZL1TPH
18070.0	30	2012	12	24	2225		VXX				DAILY, CODAR,	QG52xi	WIA	
18070.0	20	2012	12	8	0935		P0N				SWEEPS 30 KHZ	QG52xi	WIA	
											OTHR,			
											CONTINUOUS			
											OTHR continuous			
18070	30	2012	12	23	<1200>	1200	P0N		?	Unid	70 PPS. 18070 is	RF72LQ	NZART	ZL1BAD
											centre freq			
											OTHR continuous			
18070	30	2012	12	30	<0640>	0640	P0N		?	Unid	70 PPS. 18070 is	RF72LQ	NZART	ZL1BAD
											centre freq			
18076	22	2012	12	30	<0636>	0636-	P0N	330	?	Unid	OTHR 51 pps S6	RF73MF	NZART	ZL1GWE
18080.0	5	2012	12	19	1030	0708	G7DF				constant	QG52xi	WIA	
											HF MANPACK			
18130	30	2012	12	30	<0635>	0635	P0N		?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
											70 PPS			
18160.0	10	2012	12	8	0935		P0N				OTHR,	QG52xi	WIA	
											CONTINUOUS			
20990.0	40	2012	12	22	1000		P0N				OTHR,	QG52xi	WIA	
21000.0		2012	12	27	0735		N0N				CONTINUOUS	QG52xi	WIA	
21000.0	5	2012	12	2	1005		G7DF					QG52xi	WIA	
21000.0	6	2012	12	1	0845		A2A				HF MANPACK	QG52xi	WIA	
											QRS CW			
											SPREAD FROM			
											20987 TO 21013			
											Khaz, VERY			
21000				16	<0700.0716>		OTHR		UNID	UNID	STRONG	MK82	ARSI	
											N0N steady carrier			
											S2 increasing by			
21000		2012	12	06	<0438>	0438-0609	N0N	330	?	Unid	0609 to S3 (130	RF73MF	NZART	ZL1GWE
											degrees)			
21000	5	2012	12	23	<0430>	0430-0639	N0N	330	?	Unid	Carrier with FM	RF73MF	NZART	ZL1GWE
											type noise S4			
21000		2012	12	25	<0529>	0529	N0N	130	?	Unid	Carrier with QSB	RF73MF	NZART	ZL1GWE
											S4			
21000		2012	12	31	<0606>	0606	N0N	330	?	Unid	Carrier with crud	RF73MF	NZART	ZL1GWE
21000		2012	12	26	<0500>	0500	N0N	330	?	Unid	S4 QSB	RF73MF	NZART	ZL1GWE
											Carrier S4			

21010.0	3	2012	12	21	1020		J3E/L				ASIAN OTHR 50 PPS S8	QG52xi	WIA	
21010	20	2012	12	06	<0511>	0511- 0550	P0N	330	?	Unid	continuous - Cyprus? CODAR S4 18 seconds long centre pip S4 PSK-4A S4 amateur or commercial Pactor	RF73MF	NZART	ZL1GWE
21010	20	2012	12	25	<0504>	0594	VXX	325	?	Unid	OTHR 50 pps continuous S8 HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21011		2012	12	25	<0157>	0157	G7DF	20	?	Unid	OTHR, CONTINUOUS	RF73MF	NZART	ZL1GWE
21011	20	2012	12	07	<0538>	0538	P0N	330	?	Unid	HF MANPACK OTHR 41 pps S9 + 10dB no varying rates	RF73MF	NZART	ZL1GWE
21019		2012	12	06	<0135>	0135	G7DF	315	?	Unid	ASIAN HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21020.0	20	2012	12	27	0725		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21020.0	5	2012	12	2	0900		G7DF				HF MANPACK OTHR 41 pps S9 + 10dB no varying rates	QG52xi	WIA	
21024.5	26	2012	12	27	<0709>	0709	P0N	330	?	Unid	ASIAN HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21033.0	3	2012	12	7	1010		J3E/L				OTHR, BURSTS HF Man Pack 8- PSK S3	QG52xi	WIA	
21038		2012	12	06	<0131>	0131	G7DF	315	?	Unid	ASIAN DAILY, HF MANPACK MIXED NUMBER/LETTER CIPHER	RF73MF	NZART	ZL1GWE
21040.0	20	2012	12	30	0155		P0N				DAILY, HF MANPACK FRENCH LANGUAGE, NEW CALEDONIA DIALECT	RF73MF	NZART	ZL1GWE
21045		2012	12	23	<0648.	0648	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21050.0	3	2012	12	22	1000		J3E/U				OTHR 50 PPS S7 Constant decimated the digital communications freqs	QG52xi	WIA	
21050.0	5	2012	12	1	0900		G7DF				OTHR, CONTINUOUS	QG52xi	WIA	
21057.0		2012	12	18	0700		A1A				HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21060.0	5	2012	12	18	0400		G7DF				HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21062.0	3	2012	12	11	0345		J3E/U				HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21067		2012	12	06	<0138>	0138	G7DF	315	?	Unid	OTHR 50 PPS S7 Constant decimated the digital communications freqs	RF73MF	NZART	ZL1GWE
21070	24	2012	12	31	<0658>	0658- 0700	P0N	330	?	Unid	OTHR, CONTINUOUS	RF73MF	NZART	ZL1GWE
21075.0	20	2012	12	31	0650		P0N				HF Man Pack 8- PSK S1	QG52xi	WIA	
21076		2012	12	06	<0138.	0138	G7DF	315	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21082		2012	12	25	<0131>	0131	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21088		2012	12	25	<0600>	0600	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE

21100.0	5	2012	12	31	0655		G7DF				HF MANPACK OTHR,	QG52xi	WIA	
21100.0	20	2012	12	1	0905		P0N				CONTINUOUS	QG52xi	WIA	
21100		2012	12	25	<0604>	0604	G7DF	130	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21104		2012	12	25	<0604>	0604	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21106.5	3	2012	12	6	0955		J3E/U				DAILY, ASIAN	QG52xi	WIA	
21111.1	3	2012	12	25	2250		J3E/L			PHL	DAILY TAGALOG SPEAKERS	QG52xi	WIA	
21117	26	2012	12	27	<0702>	0702- 0705	P0N	330	?	Unid	OTHR 41 PPS S9 + 10dB	RF73Mf	NZART	ZL1GWE
21120.0	5	2012	12	30	0150		G7DF				HF MANPACK OTHR Continuous	QG52xi	WIA	
21120	40	2012	12	23	<1155>	1155	P0N		?	Unid	50 PPS	RF72LQ	NZART	ZL1BAD
21139		2012	12	25	<0502>	0502	G7DF	325	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21150.0	5	2012	12	29	2140		G7DF				HF MANPACK OTHR 4 sec blast every 35 secs. 70 PPS	QG52xi	WIA	
21150	30	2012	12	14	<0640>	0640	P0N		?	Unid	HF Man pack8 PSK	RF72LQ	NZART	ZL1BAD
21152		2012	12	17	HX	HX	G7DE		?	Unid	HF Man Pack 8- PSK S1	RF72LQ	NZART	ZL1BAD
21166		2012	12	25	<0603>	0603	G7DF	130	?	Unid	ASIAN, FISHBOATS, ENGINE NOISE	RF73MF	NZART	ZL1GWE
21168.8	3	2012	12	2	1015		J3E/U				HF Man Pack 8- PSK S2	QG52xi	WIA	
21169		2012	12	25	<0604>	0604	G7DF	130	?	Unid	OTHR, CONTINUOUS	RF73MF	NZART	ZL1GWE
21180.0	30	2012	12	30	0540		P0N				ASIAN	QG52xi	WIA	
21181.0	3	2012	12	20	0925		J3E/L				ASIAN, SINGING TO HIS YL	QG52xi	WIA	
21182.7	3	2012	12	3	1000		J3E/L				20 SUBCARRIERS ON 150 HZ INTERVALS, PULSED	QG52xi	WIA	
21183.0	5	2012	12	26	1015		G7D				OTHR 50 PPS S9 Constant	QG52xi	WIA	
21190.5	31	2012	12	30	<0623>	0623- 0631	P0N	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21205		2012	12	25	<0603>	0603	G7DF	130	?	Unid	CODAR S2 1.2 pps 8 Seconds	RF73MF	NZART	ZL1GWE
21209	19	2012	12	06	<0144>	0144>	VXX	315	?	Unid	DAILY FAST CODAR-LIKE SWEEPS	RF73MF	NZART	ZL1GWE
21210.0	10	2012	12	20	0930		VXX				CODAR S2 1.2 pps	QG52xi	WIA	
21210	17	2012	12	06	<0159>	0159	VXX	315	?	Unid	CODAR S3 1.1 pps	RF73MF	NZART	ZL1GWE
21210	20	2012	12	06	<0514>	0514	VXX	330	?	Unid		RF73MF	NZART	ZL1GWE

21210	18	2012	12	25	<0246>	0246	VXX	20	?	Unid	CODAR S2 3pps 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21210	20	2012	12	25	<0251>	0251	VXX	20	?	Unid	CODAR S2 4pps 18 seconds in length with centre pip	RF73Mf	NZART	ZL1GWE
21210	20	2012	12	25	<0504>	0504	VXX	325	?	Unid	COIDAR S4 3pps 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21210.5	19	2012	12	25	<0256>	0256	VXX	20	?	Unid	CODAR S2 400s 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21211		2012	12	06	<0124>	0124	G7DF	315	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21211.5	19	2012	12	27	<0637>	0637	VXX	330	?	Unid	CODAR 3pps S4 with centre pip	RF73MF	NZART	ZL1GWE
21212	20	2012	12	27	<0626>	0626	VXX	330	?	Unid	CODAR 3 pps S4 with centre pip	RF73MF	NZART	ZL1GWE
21214.5	53	2012	12	27	<0702>	0702- 0717	P0N	330	?	Unid	OTHR S8 50 pps continuous	RF73MF	NZART	ZL1GWE
21215	30	2012	12	14	<0640>	0640	P0N		?	Unid	OTHR 4 sec blast every 35 secs. 70 PPS	RF72LQ	NZART	ZL1BAD
21216	20	2012	12	26	<0654>	0654	VXX	330	?	Unid	CODAR 19 seconds long S4 3 pps	Rf73MF	NZART	ZL1GWE
21217		2012	12	23	<0642>	0642	G7DF	330	?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
21219		2012	12	06	<0136>	0136	G7DF	315	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21221		2012	12	25	<0601>	0601	G7DF	130	?	Unid	HF Man Pack 8- PSK S2	Rf73MF	NZART	ZL1GWE
21221.5	19	2012	12	27	<0648>	0648	VXX	330	?	Unid	CODAR 3pps S4 with centre pip	RF73MF	NZART	ZL1GWE
21223		2012	12	06	<0130>	0130	G7DF	315	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21228		2012	12	25	<0148>	0148	G7DF	20	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21229		2012	12	06	<0124>	0124	G7DF	315	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21230.0	20	2012	12	27	0725		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21230		2012	12	DY	HX	HX	G7DE		?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
21230		2012	12	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART	ZL1BAD
21230	30	2012	12	DY	HX	HX	P0N		?	Unid	OTHR 15 Sec bursts at random times. Occasionally doubles PPS from	RF72LQ	NZART	ZL1BAD

7PPS to 14PPS

21232		2012	12	06	<0137>	0137	G7DF	315	?	Unid	HF Man Pack 8-PSK S2 CODAR 3 pps S2 20 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21232	20	2012	12	25	<0146>	0146	VXX	20	?	Unid	HF Man pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21233.5	21	2012	12	25	<0222>	0222	G7DF	20	?	Unid	ASIAN, SOUNDS CHINESE	RF73MF	NZART	ZL1GWE
21234.6	3	2012	12	1	2300		J3E/U				CODAR 3 pps S2 18 seconds in length with centre pip	QG52xi	WIA	
21235	20	2012	12	25	<0128>	0128	VXX	330	?	Unid	CODAR 3 pps S1 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21236	20	2012	12	25	<0132>	0132	VXX	330	?	Unid	CODAR 3 pps S1 13 seconds long with centre pip	RF73MF	NZART	ZL1GWE
21236	20	2012	12	26	<0654>	0654	VXX	330	?	Unid	2 SPEED, SHORT BURSTS	RF73MF	NZART	ZL1GWE
21250.0	10	2012	12	26	2230		P0N				FAST CODAR-LIKE SWEEPS	QG52xi	WIA	
21260.0	10	2012	12	26	0730		VXX				HF Man Pack S1 8-PSK	QG52xi	WIA	
21260		2012	12	25	<0254>	0254	G7DF	20	?	Unid	CODAR S5 18 seconds in length	RF73MF	NZART	ZL1GWE
21260.5	19	2012	12	26	<0707>	0707	VXX	330	?	Unid	CODAR S4-S5 18 seconds in length	RF73MF	NZART	ZL1GWE
21261	20	2012	12	26	<0706>	0706	VXX	330	?	Unid	CODAR 3 pps S1 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21265	20	2012	12	25	<0233>	0233	VXX	20	?	Unid	CODAR 3 pps S2 18 seconds in length with centre pip	RF73MF	NZART	ZL1GWE
21267.5	19	2012	12	25	<0158>	0158	VXX	20	?	Unid	HF MANPACK	RF73MF	NZART	ZL1GWE
21270.0	5	2012	12	22	0255		G7DF				HF Man Pack 8-PSK S1	QG52xi	WIA	
21270		2012	12	06	<0131>	0131	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21278		2012	12	06	<0144>	0144	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21278		2012	12	06	<0144>	0144	G7DF	315	?	Unid	HF Main Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21280		2012	12	25	<0232>	0232	G7DF	20	?	Unid	CODAR 3 pps S4 with centre pip	RF73MF	NZART	ZL1GWE
21284	20	2012	12	27	<0642>	0642	VXX	330	?	Unid		RF73MF	NZART	ZL1GWE

21285	20	2012	12	23	<0644>	0644	VXX	330	?	Unid	CODAR with a starter Pip S4 5pps duration 17 seconds with centre pip	RF73MF	NZART	ZL1GWE
21285		2012	12	22	<2317>	2317	G7DE		?	Unid	HF Man Pack 8 PSK	RF72LQ	NZART	ZL1BAD
21286.5	21	2012	12	27	<0635>	0635	VXX	330	?	Unid	CODAR 3pps S4 with centre pip	RF73MF	NZART	ZL1GWE
21288.0	3	2012	12	8	0930		J3E/L				ASIAN, HUSBAND & WIFE GABBING OTHR, S3 continuous, times from start to finish	QG52xi	WIA	
21288.5	23	2012	12	14	<0439>	0452	P0N		?	Unid	OTHR, short single bursts, with signature tone	RF73IJ	NZART	ZL1TPH
21289	12	2012	12	09	<0439>	0439-0618	P0N		?	Unid	HF MANPACK OTHR short bursts	RF73IJ	NZART	ZL1TPH
21290.0	5	2012	12	6	0955		G7DF				S5, signature tone	QG52xi	WIA	
21293.3	11	2012	12	06	<0545>	0545	P0N		?	Unid	OTHR S3 JORN like blip at beginning 41 pps	RF73IJ	NZART	ZL1TPH
21295	8	2012	12	06	<0139>	0139-0438	P0N	315	?	Unid	OTHR S4 50 PPS Continuous - JA attempts to disrupt - little chance	RF73MF	NZART	ZL1GWE
21295	20	2012	12	06	<0615>	0615-0622	P0N	330	?	Unid	OTHR 50 pps S4 continuous	RF73MF	NZART	ZL1GWE
21295		2012	12	07	<0615>	0615	P0N	330	?	Unid	OTHR 41 pps JORN? Centre pip	RF73MF	NZART	ZL1GWE
21295		2012	12	07	<0139>	0139-0538	P0N	330	?	Unid	- S8 Australian? OTHR, CONTINUOUS	RF73MF	NZART	ZL1GWE
21300.0	25	2012	12	20	0930		P0N				OTHR 4 sec blast every 35 secs. 70 PPS	QG52xi	WIA	
21300	30	2012	12	14	<0840>	0840	P0N		?	Unid	OTHR, CONTINUOUS	RF72LQ	NZART	ZL1BAD
21310.0	40	2012	12	19	1025		P0N				CODAR 3 pps S2 18 seconds in length with centre pip	QG52xi	WIA	
21324	20	2012	12	25	<0134>	0134	VXX	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21335		2012	12	06	<0129>	0129	G7DF	315	?	Unid	ASIAN	RF73MF	NZART	ZL1GWE
21350.0	3	2012	12	21	1020		J3E/L				HF Man Pack 8-PSK S1	QG52xi	WIA	
21355		2012	12	06	<0149>	0149	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21364		2012	12	25	<0136>	0136	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21368		2012	12	06	<0134>	0134	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21380.0	20	2012	12	24	0105		P0N				OTHR, SHORT BURSTS	QG52xi	WIA	

21380		2012	12	25	<0230>	0230	G7DF	20	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21383.5	25	2012	12	24	<0125>	0125-0252	P0N		?	Unid	OTHR short bursts S5, very strong S9	RF73IJ	NZART	ZL1TPH
21384		2012	12	24	<0100>	0100-0252	P0N	300	?	Unid	OTHR 40 pps S8	RF73MF	NZART	ZL1GWE
21387		2012	12	06	<0149>	0149	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21395	20	2012	12	06	<0538>	0538-0539	P0N	330	?	Unid	OTHR 50 PPS S6 Continuous	RF73MF	NZART	ZL1GWE
21395	20	2012	12	07	<0538>	0538-0539	P0N	330	?	Unid	OTHR 50 PPS S6 Continuous	RF73MF	NZART	ZL1GWE
21400.0	20	2012	12	1	0910		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21402		2012	12	06	<0134>	0134	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21405.7	1	2012	12	4	1020		F1B	200			CONTINUOUS, REPEATED MESSAGE	QG52xi	WIA	
21423		2012	12	06	<0139>	0139	G7DF	315	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21432		2012	12	25	<0138>	0138	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	Rf73MF	NZART	ZL1GWE
21440.0	20	2012	12	29	2345		P0N				OTHR, BURSTS	QG52xi	WIA	
21445		2012	12	25	<0253>	0253	G7DF	20	?	Unid	HF Man pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21447	26	2012	12	27	<0702>	0702	P0N	330	?	Unid	OTHR 41 pps S9+10dB	RF73MF	NZART	ZL1GWE
21450.0	10	2012	12	11	0430		A3E				DAILY, SW BROADCAST IN CHINESE	QG52xi	WIA	
21450.0	10	2012	12	3	0640		G7D				JAMMING SIGNAL, MANY SWEEPING SUBCARRIERS	QG52xi	WIA	
21450	6	2012	12	06	<0430>	0430-0500	A3E	000	MYA	RFA	Radio Free Asia without Jammer S9	RF73MF	NZART	ZL1GWE
21450		2012	12	06	<0508>	0508-0622	G7DF	330	?	Unid	Jammer S3	RF73MF	NZART	ZL1GWE
21450		2012	12	23	<0430>	0430-0500	A3E	330	?	RFA	Radio Free Asia without Jammer S8 QSB No identification every 15 mins	RF73MF	NZART	ZL1GWE
21450		2012	12	23	<0500>	0500-0639	G7DF	330	CHN	Unid	Chinese Fire dragon jammer S5 constant	RF73MF	NZART	ZL1GWE
21450		2012	12	25	<0258>	0258-	G7DF	20	CHN	Unid	Chinese Fire dragon jammer S2 constant increase in Power QRT 0500z	RF73MF	NZART	ZL1GWE

21450		2012	12	25	<0456>	0456-0500	A3E	325	?	Unid	Broadcast station unidentified S9 no announcements Suspected Fire dragon jammer S5 after unidentified station Qtr.'s S8 RFA no announcements apparently good copy in Hong Kong Suspected Fire dragon jammer S4	RF73MF	NZART	ZL1GWE
21450		2012	12	25	<0500>	0500	G7DF	325	CHN	Unid		RF73MF	NZART	ZL1GWE
21450		2012	12	25	<0456>	0456	A3E	330	USA	RFA		RF73MF	NZART	ZL1GWE
21450		2012	12	31	<0606>	0606	G7DF	330	CHN	Unid		RF73MF	NZART	ZL1GWE
24887.5	6	2012	12	11	0430		A3E				ASIAN	QG52xi	WIA	
24895.0	6	2012	12	7	1000		A3E				ASIAN	QG52xi	WIA	
24905.0	6	2012	12	11	0315		A3E				ASIAN	QG52xi	WIA	
24915.0	6	2012	12	7	1000		A3E				ASIAN	QG52xi	WIA	
24925.0	6	2012	12	19	1020		A3E				ASIAN	QG52xi	WIA	
24935.0	6	2012	12	2	1000		A3E				ASIAN	QG52xi	WIA	
24950.0	6	2012	12	11	0315		A3E				ASIAN	QG52xi	WIA	
24955.0	6	2012	12	26	0435		A3E				ASIAN	QG52xi	WIA	
24962.5	6	2012	12	6	0950		A3E				ASIAN	QG52xi	WIA	
24965.0	6	2012	12	2	1000		A3E				ASIAN	QG52xi	WIA	
24975.0	6	2012	12	1	1000		A3E				ASIAN	QG52xi	WIA	
27970.0	100	2012	12	31	0705		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
28000.0	6	2012	12	1	0435		A3E				ASIAN	QG52xi	WIA	
28005.0	6	2012	12	1	0240		A3E				ASIAN	QG52xi	WIA	
28012.5	6	2012	12	10	0950		A3E				ASIAN	QG52xi	WIA	
28015.0	6	2012	12	1	0240		A3E				ASIAN	QG52xi	WIA	
28015		2012	12	25	<0512>	0512	G7DF	325	?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
28025.0	6	2012	12	1	0240		A3E				ASIAN	QG52xi	WIA	
28032.5	6	2012	12	25	0855		A3E				ASIAN	QG52xi	WIA	
28035.0	6	2012	12	1	0440		A3E				ASIAN	QG52xi	WIA	
28037.5	6	2012	12	3	0015		A3E				ASIAN	QG52xi	WIA	
28040.0	6	2012	12	2	0155		A3E				ASIAN	QG52xi	WIA	
28041.0	6	2012	12	1	0440		A3E				ASIAN	QG52xi	WIA	
28045.0	6	2012	12	3	0015		A3E				ASIAN	QG52xi	WIA	
28048		2012	12	06	<0636>	0636	G7DF	210	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
28050.0	6	2012	12	1	0240		A3E				ASIAN	QG52xi	WIA	
28052.7		2012	12	11	0430		A1A			MQ1	DRIFTNET BEACON	QG52xi	WIA	
28052.7		2012	12	22	0920		A1A			4LDO	DRIFTNET BEACON	QG52xi	WIA	
28055.0	6	2012	12	1	0500		A3E				ASIAN	QG52xi	WIA	
28062.5	6	2012	12	1	0505		A3E				ASIAN	QG52xi	WIA	

28065.0	6	2012	12	1	0240		A3E			ASIAN	QG52xi	WIA	
28075.0	6	2012	12	1	0520		F3E			ASIAN	QG52xi	WIA	
28085.0	6	2012	12	1	0240		A3E			ASIAN	QG52xi	WIA	
28090.0	6	2012	12	1	0530		A3E			ASIAN	QG52xi	WIA	
28100.0	6	2012	12	1	0540		F3E			ASIAN	QG52xi	WIA	
28105.0	5	2012	12	20	0845		G7DF			HF MANPACK	QG52xi	WIA	
28105.0	6	2012	12	1	0540		A3E			ASIAN	QG52xi	WIA	
28112.5	6	2012	12	1	0540		A3E			ASIAN	QG52xi	WIA	
28115.0	6	2012	12	1	0540		A3E			ASIAN	QG52xi	WIA	
28119.0	6	2012	12	3	0040		A3E			ASIAN	QG52xi	WIA	
28125.0	6	2012	12	1	0245		A3E			ASIAN	QG52xi	WIA	
28135.0	6	2012	12	1	0555		A3E			ASIAN	QG52xi	WIA	
28136.5	1	2012	12	21	0940		F1B	200		SHORT BURSTS	QG52xi	WIA	
28137.5	6	2012	12	3	0050		A3E			ASIAN	QG52xi	WIA	
28140.0	6	2012	12	3	0050		A3E			ASIAN	QG52xi	WIA	
28145.0	6	2012	12	1	0245		A3E			ASIAN	QG52xi	WIA	
28150.0	1	2012	12	1	0600		F1B				QG52xi	WIA	
28150.0	6	2012	12	2	2350		A3E			ASIAN	QG52xi	WIA	
28155.0	6	2012	12	1	0600		A3E			ASIAN	QG52xi	WIA	
28162.5	3	2012	12	1	0610		A3E			ASIAN	QG52xi	WIA	
28165.0	6	2012	12	1	0245		A3E			ASIAN	QG52xi	WIA	
28175.0	6	2012	12	1	0245		F3E			ASIAN	QG52xi	WIA	
28180.0	6	2012	12	20	0845		A3E			ASIAN	QG52xi	WIA	
28185.0	6	2012	12	1	0245		F3E			ASIAN	QG52xi	WIA	
28187.5	6	2012	12	1	0625		A3E			ASIAN	QG52xi	WIA	
28195.0	6	2012	12	1	0625		A3E			ASIAN	QG52xi	WIA	
28200.0	6	2012	12	1	0625		A3E			ASIAN	QG52xi	WIA	
28205.0	6	2012	12	1	0630		A3E			ASIAN	QG52xi	WIA	
28208.0	6	2012	12	26	0950		A3E			ASIAN	QG52xi	WIA	
28212		2012	12	31	<0611>	0611	A3E	330	IND	Unid	Non Amateurs net S2	Rf73MF	NZART ZL1GWE
28212.5	6	2012	12	1	0910		F3E			ASIAN	QG52xi	WIA	
28215.0	5	2012	12	1	0630		G7DF			HF MANPACK	QG52xi	WIA	
28215.0	6	2012	12	1	0635		A3E			ASIAN	QG52xi	WIA	
28220.0	6	2012	12	1	0640		F3E			ASIAN	QG52xi	WIA	
28225.0	6	2012	12	1	0245		F3E			ASIAN	QG52xi	WIA	
28230		2012	12	22	HX	HX	G7DE/F		?	Unid	HF Man Pack 1 PSK	RF72LQ	NZART ZL1BAD
28230		2012	12	28	HX	HX	G7DE/F		?	Unid	HF Man Pack 1PSK	RF72LQ	NZART ZL1BAD
28235.0	6	2012	12	1	0245		A3E			ASIAN	QG52xi	WIA	
28237.5	6	2012	12	1	0200		A3E			ASIAN	QG52xi	WIA	
28240.0	5	2012	12	27	2355		G7DF			HF MANPACK	QG52xi	WIA	
28245.0	6	2012	12	1	0915		A3E			ASIAN	QG52xi	WIA	
28250.0	6	2012	12	3	0220		A3E			ASIAN	QG52xi	WIA	
28255.0	6	2012	12	1	0245		A3E			ASIAN	QG52xi	WIA	

28260.0	6	2012	12	2	0200		A3E				ASIAN	QG52xi	WIA	
28262.5	6	2012	12	21	0940		A3E				ASIAN	QG52xi	WIA	
28265.0	6	2012	12	2	0200		A3E				ASIAN	QG52xi	WIA	
28275.0	6	2012	12	1	0245		F3E				ASIAN	QG52xi	WIA	
28280.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28285.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28287.5	6	2012	12	2	0200		A3E				ASIAN	QG52xi	WIA	
28295.0	6	2012	12	1	0915		F3E				ASIAN	QG52xi	WIA	
28300.0	6	2012	12	2	0940		F3E				ASIAN	QG52xi	WIA	
28302.8		2012	12	7	0940		A1A		BG73		DRIFTNET BEACON	QG52xi	WIA	
28304		2012	12	30	<0643>	0643	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
28305.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28312.5	6	2012	12	3	0245		A3E				ASIAN	QG52xi	WIA	
28315.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28325.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28333		2012	12	31	<0610>	0610	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
28335.0	6	2012	12	1	0245		A3E				ASIAN	QG52xi	WIA	
28347.0	6	2012	12	6	0935		A3E				ASIAN	QG52xi	WIA	
28350.0	6	2012	12	1	0915		F3E				ASIAN	QG52xi	WIA	
28353.0		2012	12	2	0940		A1A		RT02		DRIFTNET BEACON	QG52xi	WIA	
28355.0	6	2012	12	1	0915		A3E				ASIAN	QG52xi	WIA	
28362.5	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28365.0	6	2012	12	1	0915		A3E				ASIAN	QG52xi	WIA	
28375.0	6	2012	12	1	0915		F3E				ASIAN	QG52xi	WIA	
28385.0	6	2012	12	1	0915		A3E				ASIAN	QG52xi	WIA	
28395.0	6	2012	12	1	0915		A3E				ASIAN	QG52xi	WIA	
28400.0	6	2012	12	1	0250		F3E				ASIAN	QG52xi	WIA	
28400		2012	12	31	<0620>	0620	A3E	330	IND	Unid	Non Amateurs S2	RF73MF	NZART	ZL1GWE
28405.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28412.5	6	2012	12	3	0615		A3E				ASIAN	QG52xi	WIA	
28415.0	6	2012	12	1	0915		A3E				ASIAN	QG52xi	WIA	
28425.0	6	2012	12	1	0915		F3E				ASIAN	QG52xi	WIA	
28435.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28437.5	6	2012	12	1	0920		A3E				ASIAN	QG52xi	WIA	
28450.0	6	2012	12	22	0900		F3E				ASIAN	QG52xi	WIA	
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28455.0	6	2012	12	1	0920		A3E				ASIAN	QG52xi	WIA	
28465.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28475.0	6	2012	12	1	0920		F3E				ASIAN	QG52xi	WIA	
28480.0	6	2012	12	21	0945		A3E				ASIAN	QG52xi	WIA	
28485.0	6	2012	12	1	0920		A3E				ASIAN	QG52xi	WIA	
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28500.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
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28512.5	6	2012	12	1	0925		A3E				ASIAN	QG52xi	WIA	
28515.0	6	2012	12	1	0925		A3E				ASIAN	QG52xi	WIA	
28525.0	6	2012	12	2	0205		A3E				ASIAN	QG52xi	WIA	
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28537.5	6	2012	12	10	0945		A3E				ASIAN	QG52xi	WIA	
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28555.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28560.0	6	2012	12	7	0945		A3E				ASIAN	QG52xi	WIA	
28562.5	6	2012	12	7	0945		A3E				ASIAN	QG52xi	WIA	
28565.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28575.0	6	2012	12	1	0935		A3E				ASIAN	QG52xi	WIA	
28580.0	6	2012	12	1	0940		A3E				ASIAN	QG52xi	WIA	
28585.0	6	2012	12	1	0940		A3E				ASIAN	QG52xi	WIA	
28587.5	6	2012	12	10	0945		A3E				ASIAN	QG52xi	WIA	
28595.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28600.0	6	2012	12	10	0855		A3E				ASIAN	QG52xi	WIA	
28605.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
28612.5	6	2012	12	10	0920		A3E				ASIAN	QG52xi	WIA	
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28625.0	6	2012	12	1	0250		A3E				ASIAN	QG52xi	WIA	
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28655.0	6	2012	12	1	0940		A3E				ASIAN	QG52xi	WIA	
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28665.0	6	2012	12	1	0940		A3E				ASIAN	QG52xi	WIA	
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28735.0	6	2012	12	1	0940		A3E				ASIAN	QG52xi	WIA	
28737.5	6	2012	12	10	0935		A3E				ASIAN	QG52xi	WIA	
28740.0	6	2012	12	2	0210		A3E				ASIAN	QG52xi	WIA	

28745.0	6	2012	12	1	0940		A3E			ASIAN	QG52xi	WIA	
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28750		2012	12	31	<0615>	0615	F3E	330	CHN	Unid	Non Amateurs S3	RF73MF	NZART ZL1GWE
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28762.5	6	2012	12	1	0940		A3E			ASIAN	QG52xi	WIA	
28775.0	6	2012	12	8	0915		A3E			ASIAN	QG52xi	WIA	
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28785.0	6	2012	12	2	0945		A3E			ASIAN	QG52xi	WIA	
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28800.0	6	2012	12	21	0950		A3E			ASIAN	QG52xi	WIA	
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28812.5	6	2012	12	10	0945		A3E			ASIAN	QG52xi	WIA	
28825.0	6	2012	12	10	0850		A3E			ASIAN	QG52xi	WIA	
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28865.0	6	2012	12	7	0950		A3E			ASIAN	QG52xi	WIA	
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28887.5	6	2012	12	7	0950		A3E			ASIAN	QG52xi	WIA	
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28925.0	6	2012	12	1	0945		F3E			ASIAN	QG52xi	WIA	
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28965.0	6	2012	12	31	0720		A3E			ASIAN	QG52xi	WIA	
28975.0	6	2012	12	1	0255		A3E			ASIAN	QG52xi	WIA	
28985.0	6	2012	12	1	0255		A3E			ASIAN	QG52xi	WIA	
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29080.0	6	2012	12	30	0710	A3E	ASIAN	QG52xi	WIA
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29337.5	6	2012	12	6	0945	A3E	ASIAN	QG52xi	WIA
29345.0	6	2012	12	21	1005	A3E	ASIAN	QG52xi	WIA
29350.0	6	2012	12	1	0950	F3E	ASIAN	QG52xi	WIA
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29375.0	6	2012	12	6	0950	F3E	ASIAN	QG52xi	WIA
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29412.5	6	2012	12	7	0955	A3E	ASIAN	QG52xi	WIA
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29437.5	6	2012	12	2	0220	F3E	ASIAN	QG52xi	WIA
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29512.5	6	2012	12	6	0950	A3E	ASIAN	QG52xi	WIA
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29525.0	6	2012	12	1	0955	F3E	ASIAN	QG52xi	WIA
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29625.0	6	2012	12	1	0955	A3E			ASIAN	QG52xi	WIA
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29650.0	6	2012	12	6	0950	F3E			ASIAN	QG52xi	WIA
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