



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



April 2012

Peter Young VK3MV

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

This month there were 1135 observations made across the Region, which contrasts with 795 last month. Again this month there is an increase in the number of intrusions in the higher frequency bands.

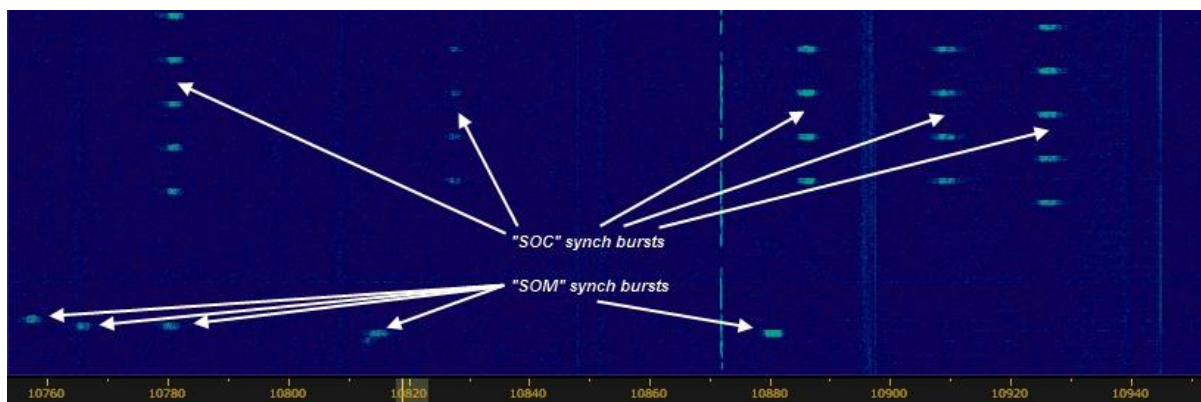
Last month the Burmese broadcast station operating on or around 7110 kHz and a number of OHR radars operating 40 and 20 meters bands had again been reported to the Australian regulator. No information has been received in relation to these intruders.

NZART this month reported a new type of intruder into the 40, 20 15 and 10 meter amateur bands. These are a 6-8 channel PSK frequency hopper. These may be associated with HF manpack type radios supplied by a number of manufactures. The characteristic is 8 vertical ladder (as seen on a SDR receiver) with short bursts J3E or similar, but with intelligent signal bursts – sometimes across amateur radio spectrum at the same time. Details of frequencies observed can be found in the table below. A picture of the spectrum from a WR-G33DDC receiver is shown below. Many thanks to John ZL1GWE for this information.

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

For those who would like a CSV file of data please email me at: yk3mv@wia.org.au

Peter – VK3MV



kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3518.0	1	2012	4	30	1950		F1B		250				IDLING	QG52xi	WIA	VK4TJ
3560	5	2012	04	17	1812		A3E			254	KRE	Voice of Korea	French Talk and Music	PM97	JARL	Kujang
3560	5	2012	04	17	1904		A3E			254	KRE	Voice of Korea	English Talk and Music	PM97	JARL	Kujang
3584.0	3	2012	4	3	1930		J1C						DAILY	QG52xi	WIA	
3623.0	3	2012	4	3	1930		J1C						DAILY	QG52xi	WIA	
3703	0.5	2012	04	20		22:58	A1A						random number		JARL	
3703.56	0.5	2012	04	27		23:33	A1A						random number (456uu63 3t u47335 5t6334 3t)		JARL	
3757	3	2012	04	23		22:45	J3E						Japanese song with no call sign		JARL	
3797	0.5	2012	04	24		22:22	A1A						random number		JARL	
3797	0.5	2012	04	28		22:02	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3797.65	0.5	2012	04	26		05:02	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2012	04	20		23:14	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2012	04	22		22:14	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2012	04	23		22:57	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3798	0.5	2012	04	27		23:43	A1A						h2fl h2fl h2fl de drvz drvz v		JARL	
3803.65	0.5	2012	04	20		23:16	A1A						random number (. . . nd4 uaa7u7 7n6t7na 57 nd4 . . .)		JARL	
6950.0	150	2012	4	2	2010		P0N						OTHR, SPILLS INTO AMATEUR BAND	QG52xi	WIA	
7000.0		2012	4	28	2105		N0N				ISR		C/W SWEEPING TONE. 20 HZ INSIDE 40 MTR BAND	QG52xi	WIA	
7000.0	3	2012	4	3	1945		J3E/U						ASIAN, FISHBOATS - ENGINE NOISE. SINGING TO EACH OTHER	QG52xi	WIA	
7000.0	3	2012	4	2	0925		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7000	100	2012	04	01	<1935>	1935	P0N				?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000	7	2012	04	09	<1907>	1907	P0N				?	Unid	OTHR S5 via VK1HW Web SDR	RF73MF	NZART	ZL1GWE
7000		2012	04	14	<0715>	0715	J3E/U				?	Unid	Non Amateurs French speaking S2	RF73Mf	NZART	ZL1GWE

7000		2012	04	15	<1910>	1910	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000		2012	04	22	<1745>	1745	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000		2012	04	27	<1830>	1830	P0N		?	Unid	Out of band OTHR spreading to 7010	RF72LQ	NZART	ZL1BAD
7000	5	2012	04	29	<1917>	1917	P0N		?	Unid	OTHR S3 within AR spectrum - bulk outside via VK Web SDR	RF73MF	NZART	ZI1GWE
7003.0	3	2012	4	4	1955		J3E/L				DAILY, ASIAN FISHBOATS, ENGINE NOISE	QG52xi	WIA	
7005.0	3	2012	4	2	0930		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7006		2012	04	24	<0052>	0052	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7008.0	3	2012	4	2	0935		J3E/U				ASIAN, FAMILY NET	QG52xi	WIA	
7010.0	3	2012	4	2	0930		J3E/L		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7010.0	3	2012	4	2	0930		J3E/U		INS		DAILY, VILLAGE RADIO	QG52xi	WIA	
7013	34	2012	04	19	1606		P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7013	34	2012	04	19	1702		P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7013	34	2012	04	19	1804		P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7013	34	2012	04	20	1806		P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7013	34	2012	04	22	1808		P0N		non	non	7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7016	3	2012	04	23	1606		F1B		non	non	IDL only	PM97	JARL	non
7016	3	2012	04	23	1704		F1B		non	non	IDL only	PM97	JARL	Magadan
7018		2012	04	14	<0718>	0718	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7018		2012	04	20	<0530>	0530-1845	F1B	200	?	Unid	Not printable & idling sigs	RF72LQ	NZART	ZL1BAD
7020.0	30	2012	4	5	1840		VXX				CODAR, SWEEPS 30 KHZ	QG52xi	WIA	
7022	30	2012	04	09	<1910>	1910-1925	VXX		?	Unid	CODAR 2 pps S5 via VK1HW Web	RF73MF	NZART	ZL1GWE

										SDR					
7023.0	5	2012	4	11	2030		G7D			QJB3K	APPROX 50 SUBCARRIERS ON 80 HZ CENTRES, MORSE IDENT 7006KHz ~ 7040KHz wide pulse mode P0N OTHR ?	PM97	QG52xi	WIA	
7023	34	2012	04	05	1714		P0N		non	non	non			JARL	non
7023	34	2012	04	05	1814		P0N		non	non	non			JARL	non
7023	34	2012	04	12	1606		P0N		non	non	non			JARL	non
7023	34	2012	04	29	1708		P0N		non	non	non			JARL	non
7028		2012	04	23	<2146>		2146 G7DF			?	Unid		RF73MF	NZART	ZL1GWE
7030		2012	04	29	<0446>		0446 G7DF			?	Unid		RF73MF	NZART	ZL1GWE
7036	3	2012	04	08	1710	H24	F1B		non	non	non		PM97	JARL	non
7036	3	2012	04	09	1808		F1B		non	non	non		PM97	JARL	non
7036	3	2012	04	23	1804		F1B		non	non	non		PM97	JARL	non
7036	3	2012	04	26	1606		JM		non	non	non		PM97	JARL	non
7036	3	2012	04	28	1606		F1B		non	non	non		PM97	JARL	non
7036	3	2012	04	28	1808		F1B		non	non	non		PM97	JARL	non
7036	3	2012	04	29	1816		F1B		non	non	non		PM97	JARL	non
7038.9		2012	4	3	1940		A1A			RU	S		QG52xi	WIA	
7039.0		2012	4	2	2010		A1A			RU	C		QG52xi	WIA	
7039		2012	04	09	<1913>		1913 A1A			RUS	C		RF73MF	NZART	ZL1GWE
7039		2012	04	DY	<0300>		0300-2200 A1A			RUS	C		RF72LQ	NZART	ZL1BAD
7039		2012	04	DY	<0300>		0300-2200 A1A			RUS	A		RF72LQ	NZART	ZL1BAD
7039		2012	04	DY	<0300>		0300-2200 A1A			RUS	F		RF72LQ	NZART	ZL1BAD
7039		2012	04	DY	<0300>		0300-2200 A1A			RUS	P		RF72LQ	NZART	ZL1BAD
7039	0.5	2012	04	01	1010	H24	A1A		15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	01	1220		A1A		15	RUS	M-- signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	04	01	1410	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	01	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	02	1840	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	03	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	04	1230	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	04	2226	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	05	1216	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	05	1618	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	05	1620	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	05	1710	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	05	1810	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	05	2224	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	06	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	06	2216	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	07	1214	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	07	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	07	1606	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	07	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	07	1704	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	07	1804	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	07	1806	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	08	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	08	1604	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	08	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	08	1704	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	08	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	08	1804	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	08	2216	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	04	09	1220	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	09	1602	A1A	15	RUS	signal M-- F--	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	09	1604	A1A	321	RUS	signal M-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	09	1702	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	09	1802	A1A	15	RUS	signal M-- F--	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	09	1804	A1A	321	RUS	signal M-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	10	1220	A1A	15	RUS	signal K-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	10	1804	A1A	321	RUS	signal M-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	10	1834	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	10	2220	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	11	1210	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	11	1702	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	11	1810	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	12	1220	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	12	1602	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	12	1702	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	12	1704	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	12	1802	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	13	1210	A1A	15	RUS	signal F-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	13	1704	A1A	321	RUS	signal M-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	13	1706	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	13	1802	A1A	15	RUS	signal F-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	13	1804	A1A	321	RUS	signal M-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	14	1220	A1A	15	RUS	signal M-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	14	1602	A1A	15	RUS	signal K-- signal	Beacon Chinese Talk and Music	PM97	JARL	non
7039	0.5	2012	04	14	1604	A1A	37	RUS	signal M-- signal	Music	PM97	JARL	Hohhot
7039	0.5	2012	04	14	1702	A1A	15	RUS	signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	04	14	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	15	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	15	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	15	1604	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	15	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	15	1704	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	15	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	15	1804	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	16	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	16	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	16	1604	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	16	1730	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	17	1230	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	17	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	17	1604	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	17	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	17	1910	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	18	1216	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	18	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	18	1702	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	18	1708	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	18	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	18	1812	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	19	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	20	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	20	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Hohhot
7039	0.5	2012	04	20	1604	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	non
7039	0.5	2012	04	20	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	non

7039	0.5	2012	04	20	1704	A1A	321	RUS	signal F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	20	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	21	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	21	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	21	1604	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	21	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	22	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	23	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	23	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	23	1812	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	24	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	24	1608	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	24	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	24	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	25	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	25	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	25	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	25	1810	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	26	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	26	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	26	1708	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	26	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	27	1230	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	27	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	27	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	27	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	28	1210	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan

7039	0.5	2012	04	28	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	28	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	28	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	28	1804	A1A	37	RUS	K-- signal	Beacon	PM97	JARL	Kamchatskiy
7039	0.5	2012	04	28	1910	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	28	1912	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	29	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	29	1602	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	29	1604	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	29	1702	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	29	1704	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	29	1802	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	29	1810	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	30	1220	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	30	1602	A1A	321	RUS	F-- signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2012	04	30	1604	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	30	1702	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039	0.5	2012	04	30	1804	A1A	15	RUS	M-- signal	Beacon	PM97	JARL	Magadan
7039.2		2012	4	4	1950	A1A		RU	F	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2012	4	2	0930	A1A		RU	K	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.3		2012	04	DY	<0300>	0300-2200	A1A	RUS	K	Petropavlovsk - Beacon K RCC	RF72LQ	NZART	ZL1BAD
7039.4		2012	4	2	0930	A1A		RU	M	DAILY, HARBOUR BEACON	QG52xi	WIA	
7039.4		2012	04	DY	<0300>	0300-2200	A1A	RUS	M	Magadan - Beacon M RTS	RF72LQ	NZART	ZL1BAD
7039.9		2012	04	DY	<0300>	0300-2200	A1A	RUS	S	Severomorsk - Beacon S RIT	RF72LQ	NZART	ZL1BAD
7040		2012	04	23	<2050>	2050	G7DF	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
7040		2012	04	29	<0454>	0454	G7DF	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
7040	0.5	2012	04	20		23:20	A1A			train of " M "		JARL	
7040	0.5	2012	04	22		22:30	A1A			train of " M " and "K"		JARL	

7040	0.5	2012	04	23		23:00	A1A							train of " M "	JARL	
7040	0.5	2012	04	24		22:27	A1A							train of " M "	JARL	
7040	0.5	2012	04	26		05:01	A1A							train of " M "	JARL	
7040	0.5	2012	04	27		23:48	A1A							train of "M" and "K"	JARL	
7040	0.5	2012	04	28		22:06	A1A							train of " M "	JARL	
7040	0.5	2012	04	29		06:52	A1A							train of " F " and " M "	JARL	
7044.5	1	2012	4	19	1945		F1B	HIGH	200					CONTINUOUS, NOT LIKE AMATEUR	QG52xi	WIA
7046		2012	04	23	<2107>	2107	G7DF				?	Unid		HF Man Pack 8-PSK S2	RF73MF	NZART ZL1GWE
7046		2012	04	29	<0450>	0450	G7DF				?	Unid		HF Man Pack 8-PSK S4	RF73MF	NZART ZL1GWE
7046	3	2012	04	14	1608		JM			non	non	non		Chinese Talk and Music	PM97	JARL non
7048		2012	04	23	<2305>	2305	G7DF				?	Unid		HF Man Pack 8PSK	RF73MF	NZART ZL1GWE
7050.0	30	2012	4	16	2000		VXX							CODAR, SWEEPS 30 KHZ	QG52xi	WIA
7054.0	4	2012	4	2	2010		G7D							APPROX 12 SUBCARRIERS ON 30 HZ CENTRES	QG52xi	WIA
7054		2012	04	DY	<0500>	0500-2000	F1B		200		RUS	REA4		Idling only. Russian Air Force	RF72LQ	NZART ZL1BAD
7054	3	2012	04	02	1844		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	05	1714		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	05	1816		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	07	1710		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	07	1810		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	08	1714		F1B			non	non	non		now on air	PM97	JARL non
7054	3	2012	04	08	1808		F1B			non	non	non		now on air	PM97	JARL non
7054	3	2012	04	09	1706		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	09	1812		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	10	1808		F1B			non	non	non		IDL only	PM97	JARL non
7054	0.5	2012	04	11	1706		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	11	1814		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	12	1708		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	12	1804		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	13	1710		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	13	1808		F1B			non	non	non		Beacon	PM97	JARL non
7054	3	2012	04	14	1704		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	17	1706		F1B			non	non	signal		IDL only	PM97	JARL non
7054	3	2012	04	17	1804		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	18	1704		F1B			non	non	non		IDL only	PM97	JARL non
7054	3	2012	04	18	1806		F1B			non	non	non		now on air	PM97	JARL non

7054	3	2012	04	20	1708		F1B	non	non	non	Beacon	PM97	JARL	non	
7054	3	2012	04	21	1706		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	21	1802		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	22	1704		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	22	1804		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	23	1708		F1B	non	non	non	IDL only	PM97	JARL	Hohhot	
7054	3	2012	04	23	1808		F1B	non	non	non	IDL only	PM97	JARL	Magadan	
7054	3	2012	04	24	1706		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	24	1806		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	25	1706		F1B	non	non	non	now on air	PM97	JARL	non	
7054	3	2012	04	25	1806		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	26	1704		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	26	1806		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	27	1706		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	27	1806		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	28	1706		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	28	1812		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	29	1806		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	30	1706		F1B	non	non	non	IDL only	PM97	JARL	non	
7054	3	2012	04	30	1808		F1B	non	non	non	IDL only	PM97	JARL	non	
7060	3	2012	04	07	1610		F1B	non	non	non	IDL only	PM97	JARL	non	
7063	3	2012	04	08	1718		F1B	non	non	non	now on air	PM97	JARL	non	
7063	3	2012	04	08	1812		F1B	non	non	non	now on air	PM97	JARL	non	
7064	3	2012	04	14	1708		JM	non	non	non	white noise	PM97	JARL	non	
7067		2012	04	23	<2318<	2318	G7DF			?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7067		2012	04	24	<0626>	0626	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7072		2012	04	14	<0811>	0811	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7072		2012	04	24	<0627>	0627	G7DF			?	Unid	HF Man pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7073		2012	04	23	<2044>	2044	G7DF			?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7073		2012	04	23	<2352>	2352	G7DF			?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7073		2012	04	24	<0008>	0008	G7DF			?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7073	34	2012	04	25	1710		P0N	non	non	non	7056KHz ~ 7090KHz wide pulse mode P0N OTHR ?	PM97	JARL	non	
7073	34	2012	04	25	1804		P0N	non	non	non	7056KHz ~ 7090KHz wide pulse mode P0N OTHR ?	PM97	JARL	non	
7079		2012	04	23	<2204>	2204	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7080	3.3	2012	04	20	<1845>	1845	M7B			?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD

7082		2012	04	24	<0657>	0657	G7DF		?	Unid	HF Man Pack 8-PSK S2	Rf73MF	NZART	ZL1GWE
7083		2012	04	24	<0656>	0656	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7089		2012	04	23	<2342>	2342	G7DF		?	Unid	HF Man Pack 8-PSK S3 7072KHz ~ 7105KHz wide pulse mode P0N	RF73MF	NZART	ZL1GWE
7089	34	2012	04	13	1714		P0N	non	non	non	OTHER ?	PM97	JARL	non
7090		2012	04	23	<2316>	2316	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7100		2012	04	23	<2038>	2038	G7DF		?	Unid	HF Man Pack 8-PSK 7084KHz ~ 7118KHz wide pulse mode P0N	RF73MF	NZART	ZL1GWE
7101	34	2012	04	12	1808		P0N	non	non	non	OTHER ?	PM97	JARL	non
7105	5	2012	04	01	2230		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	01	2232		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	02	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	3	2012	04	02	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	5	2012	04	03	2208		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	03	2210		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	04	2220		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	3	2012	04	04	2222		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	5	2012	04	05	2218		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	05	2220		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	06	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	06	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	07	2220		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	07	2222		A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	08	2210		A3E	273	CHN	PBS Nei	Chinese Talk and Music	PM97	JARL	Hohhot

Meng

7105	3	2012	04	08	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	09	2210		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	09	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	10	2214		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	10	2216		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	11	2208		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	11	2210		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	12	2206		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	12	2208	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	13	2208		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	3	2012	04	13	2210		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	5	2012	04	14	2210		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	14	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	15	2210		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	15	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	16	2206		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	16	2208		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	17	2230		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	17	2232	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	18	2206		A3E	273	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	18	2208		A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non

7105	5	2012	04	19	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	19	2214		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	20	2206		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	20	2208		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	21	2206		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	21	2208		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	22	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	22	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	23	2208		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	23	2210	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	24	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	24	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	25	2204		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	25	2206		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	26	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Magadan
7105	3	2012	04	26	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	27	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	27	2212		A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	28	2208		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	28	2210	H24	A3E	non	CHN	non PBS Nei Meng	Chinese Talk and Music	PM97	JARL	non
7105	5	2012	04	29	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	29	2212		A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non

7105	5	2012	04	30	2204		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	PM97	JARL	Hohhot
7105	3	2012	04	30	2206	H24	A3E	non	CHN	non	Chinese Talk and Music	PM97	JARL	non
7108	2	2012	04	07	<1220- 1225>		A3E		UNID		Language un- recognised due to QRN	NL06	ARSI	
7109		2012	04	23	<2149>	2149	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
7110.0	8	2012	4	2	1200		A3A		BRM		DAILY Radio Burma - Western Music and news	QG52xi	WIA	
7110.0	9	2012	4	Jan- 30	1000 - 1400>		A3A		BRM		HF Man Pack 8- PSK S3	QF22ma	WIA	VK3MV
7112		2012	04	23	<2345>	2345	G7DF		?	Unid		RF73MF	NZART	ZL1GWE
7117.0	1	2012	4	3	1945		F1B					QG52xi	WIA	
7118.0		2012	4	3	1945		A1A		RU	M	HARBOUR BEACON	QG52xi	WIA	
7119		2012	04	24	<0622>	0622	G7DF		?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
7120	3.3	2012	04	01	<0530>	0530	M7B		?	Unid	Multi-chnl	RF72LQ	NZART	ZL1BAD
7120		2012	04	25	<0554>	0554	G7DF		?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
7125		2012	04	24	<0010>	0010	A3E		GUI	Radio Conakry	Strong Broadcast station S5 English speaking	RF73MF	NZART	ZL1GWE
7130		2012	04	14	<0724>	0724	G7DF		?	Unid	HF Man Pack 8- PSK	Rf73MF	NZART	ZL1GWE
7130		2012	04	24	<0621>	0621	G7DF		?	Unid	HF Man Pack 8- PSK	Rf73MF	NZART	ZL1GWE
7132		2012	04	24	<0631>	0631	G7DF		?	Unid	HF Man Pack 8- PSK S4	RF73MF	NZART	ZL1GWE
7133	34	2012	04	24	1602		P0N	non	non	non	7116KHz ~ 7150KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7135	35	2012	04	20	<1835>	1835	VXX		?	Unid	CODAR 3.5 PPS Continuous	RF72LQ	NZART	ZL1BAD
7137	34	2012	04	09	1608		P0N	non	non	non	7120KHz ~ 7154KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7137	34	2012	04	09	1710		P0N	non	non	non	7120KHz ~ 7154KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7137	34	2012	04	09	1814		P0N	non	non	non	7120KHz ~ 7154KHz wide pulse mode P0N OTHR ?	PM97	JARL	non
7137	34	2012	04	11	1710		P0N	non	non	non	7120KHz ~ 7154KHz wide pulse mode P0N	PM97	JARL	non

[illegible]

7178		2012	04	29	<0535>	0535	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7188		2012	04	29	<0447>	0447	G7DF		?	Unid	HF Man pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7189.8	8	2012	4	4	1125		A3E	CLN		SLBC	DAILY, SW BROADCAST SOUTH ASIAN SERVICE FROM SLBC IN HINDI - COLOMBO, SRI LANKA	QG52xi	WIA	
7190	6	2012	04	16	<0200-0210>		A3E	CLN			LF Man Pack 8-PSK S1	MK82	ARSI	
7192		2012	04	24	<0628>	0628	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7193		2012	04	24	<0653>	0653	G7DF		?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7195.0	8	2012	4	12	0925		A3E				SW BROADCAST	QG52xi	WIA	
7195		2012	04	29	<0457>	0457	G7DF		?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
7196	3	2012	04	30	1608		F1B	non	non	non	IDL only	PM97	JARL	non
7196.5	3	2012	4	20	1010		G1D				WIDE PSK DAILY, SW BROADCAST	QG52xi	WIA	
7200.0	6	2012	4	2	2010		A3E	SUD				QG52xi	WIA	
7202		2012	04	24	<0616>	0616	G7DF		?	Unid	HF Man Pack 8-PSK S2	Rf73MF	NZART	ZL1GWE
7210		2012	04	24	<0625>	0625	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7220		2012	04	24	<0622>	0622	G7DF		?	Unid	HF Man Pack 8-PSK	Rf73MF	NZART	ZL1GWE
7226		2012	04	23	<2341>	2341	G7DF		?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7230		2012	04	24	<0615>	0615	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7239		2012	04	23	<2107>	2107	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7245		2012	04	23	<2318>	2318	G7DF		?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7245		2012	04	24	<0043>	0043	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7250		2012	04	23	<2155>	2155	G7DF		?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
7254		2012	04	23	<2145>	2145	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
7260		2012	04	15	<2040>	2040	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
7260		2012	04	24	<0058>	0058	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
7265		2012	04	23	<2159>	2159	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZI1GWE
7270		2012	04	23	<2107>	2107	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
10107.8		2012	04	26	<1901>	1901-1917	P0N		?	Unid	OTHR 66pps S9 +10	RE68XL	NZART	ZL2TZE
10140.0	8	2012	4	2	0925		A3E				SW BROADCAST	QG52xi	WIA	
14000.0		2012	4	24	2000		N0N				20 HZ INSIDE	QG52xi	WIA	

						BAND				
14000.0	3	2012	4	3	1000	J3E/U		DAILY, ASIAN	QG52xi	WIA
14000	3	2012	4	1	22:50-- 23:45	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	2	07:10-- 08:45	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	2	23:12-- 00:00	J3E/U	315 CLN	1 male several calls, no reply	OF84wx	WIA
14000	3	2012	4	3	00:15-- 00:45	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	3	01:25-- 01:58	J3E/U	315 CLN	Group of males, on-off	OF84wx	WIA
14000	3	2012	4	3	07:05-- 09:40	J3E/U	315 CLN	several calls on and off without conversation	OF84wx	WIA
14000	3	2012	4	3	09:30-- 10:15	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	3	22:47-- 00:22	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	4	01:40-- 02:05	J3E/U	315 CLN	2 males calling on- off	OF84wx	WIA
14000	3	2012	4	4	<08:30-- 09:30	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	4	22:45-- 00:08	J3E/U	315 CLN	2 males not continuous	OF84wx	WIA
14000	3	2012	4	5	00:40-- 01:04	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	5	01:20-- 01:33	J3E/U	315 CLN	Group of males, on-off	OF84wx	WIA
14000	3	2012	4	5	08:20-- 08:58	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	5	22:45-- 01:10	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	6	01:30-- 02:20	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	7	00:26-- 00:27	J3E/U	315 CLN	one male calling, no reply	OF84wx	WIA
14000	3	2012	4	7	01:12-- 01:33	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	7	08:00-- 08:26	J3E/U	315 CLN	2 males	OF84wx	WIA
14000	3	2012	4	7	22:52-- 23:00	J3E/U	360 INS	2 males	OF84wx	WIA
14000	3	2012	4	7	23:32-- 01:06	J3E/U	315 CLN	2 males calling on- off until 01:06Z	OF84wx	WIA
14000	3	2012	4	8	04:00-- 04:12	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	8	22:45-- 23:40	J3E/U	315 CLN	Group of males	OF84wx	WIA
14000	3	2012	4	9	00:20-- 00:35	J3E/U	360 INS	Group of males	OF84wx	WIA
14000	3	2012	4	9	01:17-- 03:12	J3E/U	315 CLN	2 males	OF84wx	WIA

14000	3	2012	4	9	07:10-- 08:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	9	23:03-- 00:25	J3E/U	315	CLN	Group of males, on-off, not continuous	OF84wx	WIA
14000	3	2012	4	10	00:55-- 02:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	10	07:30-- 08:25	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	10	22:40-- 23:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	11	<06:55-- 09:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	11	22:45-- 23:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	12	00:23-- 01:15	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	12	07:15-- 08:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	12	22:40-- 00:20	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	12	<07:10-- 08:35	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	12	22:45-- 03:40	J3E/U	315	CLN	2 males, on and off	OF84wx	WIA
14000	3	2012	4	13	07:19-- 08:00	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	13	23:07-- 00:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	14	00:30-- 00:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	14	<07:05-- 08:40	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	14	22:40-- 23:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	15	00:12-- 01:05	J3E/U	360	INS	2 males	OF84wx	WIA
14000	3	2012	4	15	01:10-- 01:28	J3E/U	315	CLN	2 males calling twice, no contact	OF84wx	WIA
14000	3	2012	4	15	07:25-- 08:03	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	15	22:55-- 23:43	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	16	00:57-- 01:10	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	17	07:47-- 07:55	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	17	08:54-- 08:57	J3E/U	360	INS	2 males	OF84wx	WIA
14000	3	2012	4	17	22:55-- 00:30	J3E/U	315	CLN	Group of males	OF84wx	WIA

14000	3	2012	4	18	06:55-- 07:34	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	18	07:20-- 07:45	J3E/U	315	CLN	2 separate groups, no qrm to each other	OF84wx	WIA
14000	3	2012	4	18	22:40-- 00:35	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	19	<07:20-- 07:42	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	19	23:10-- 23:30	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	20	<07:12-- 08:45	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	20	23:15-- 23:43	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	21	00:07-- 00:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	21	00:45-- 00:48	J3E/U	315	CLN	2 males, again, same as before	OF84wx	WIA
14000	3	2012	4	21	07:30-- 07:45	J3E/U	315	CLN	2 groups of males, both qrt at 07:45Z	OF84wx	WIA
14000	3	2012	4	21	08:28-- 08:33	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	21	22:50-- 23:40	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	22	22:45-- 23:02	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	23	<07:05-- 08:05	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	23	22:45-- 00:00	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	24	22:49-- 00:20	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	25	01:05-- 09:20	J3E/U	315	CLN	2groups of males on--off from 01:05 to 09:20	OF84wx	WIA
14000	3	2012	4	25	<22:45-- 00:10	J3E/U	315	CLN	Group of males singing playing radio music	OF84wx	WIA
14000	3	2012	4	26	01:30-- 02:06	J3E/U	315	CLN	2 males on-off not contiuous	OF84wx	WIA
14000	3	2012	4	26	22:45-- 23:50	J3E/U	315	CLN	2 males	OF84wx	WIA
14000	3	2012	4	27	00:38-- 00:43	J3E/U	360	INS	2 males	OF84wx	WIA
14000	3	2012	4	27	01:23-- 04:00>	J3E/U	315	CLN	2 males, re/broadcast music and singing , and normal conversation	OF84wx	WIA
14000	3	2012	4	27	<22:45-- 23:50	J3E/U	315	CLN	Group of males	OF84wx	WIA
14000	3	2012	4	28	08:08--	J3E/U	315	CLN	2 males	OF84wx	WIA

14000	3	2012	4	28	09:25 <22:45-- 23:35		J3E/U		315	CLN		2 males		OF84wx	WIA		
14000	3	2012	4	30	23:27-- 00:00		J3E/U		315	CLN		2 males		OF84wx	WIA		
14000		2012	04	23	<2000>	2000-2054	N0N		330	?	Unid	Carrier with QSB S6		RF73MF		NZART	ZL1GWE
14000.2	3	2012	4	10	23:45-- 00:05		J3E/U		315	CLN		Music and singing		OF84wx	WIA		
14000.2	3	2012	4	11	00:10-- 00:28		J3E/U		315	CLN		1 male calling , no replies		OF84wx	WIA		
14000.2	3	2012	4	11	00:30-- 01:30		J3E/U		315	CLN		2 males		OF84wx	WIA		
14001.3	3	2012	4	30	<08:00-- 08:40		J3E/U		?	?		2 males, only one copied, the other less than S1		OF84wx	WIA		
14001.4	3	2012	4	26	02:40-- 02:48		J3E/U		360	INS		2 males		OF84wx	WIA		
14002.0	3	2012	4	3	0630		J3E/U				UNID	ASIAN SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		QG52xi	WIA		
14002.8		2012	04	29	<0305- 0315>		J3E/U			CLN				MK82		ARSI	
14005.0		2012	4	30	1015		A1A					LETTER CIPHER, 5 CHAR GROUPS SW BROADCAST		QG52xi	WIA		
14005.0	8	2012	4	27	2215		A3E			PHL	VOA	IMD		QG52xi	WIA		
14007	3	2012	4	25	<02:55-- 03:15>		J3E/U		360	INS		2 males		OF84wx	WIA		
14008.0	1	2012	4	9	0920		F1B		250			NO DECODES >50 SUBCARRIERS ON 50 HZ INTERVALS		QG52xi	WIA		
14010.0	5	2012	4	6	0950		G7D				UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		QG52xi	WIA		
14012		2012	04	10	<1340- 1350>		J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		MK82		ARSI	
14014		2012	04	10	<1215- 1220>		J3E/U			CLN		>50 SUBCARRIERS ON 50 HZ INTERVALS		MK82		ARSI	
14015.0	5	2012	4	6	1010		G7D					ASIAN		QG52xi	WIA		
14015.0	3	2012	4	6	1010		J3E/U							QG52xi	WIA		

14020		2012	04	29	<0140-0150>		J3E/U				CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM CS-36-50 via code checker confirmed	MK82		ARSI	
14023		2012	04	29	<0600>	0600-0641	F1B	75	500	330	RUS	Unid	RUS Navy	RF73MF		NZART	ZL1GWE
14024.0	1	2012	4	28	2055		F1B		500				NO DECODES	QG52xi		WIA	
14024		2012	04	29	<0140-0150>		J3E/U				CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82		ARSI	
14024		2012	04	29	<0300-0310>		J3E/U				CLN		ONLY – 2 OM	MK82		ARSI	
14025.0		2012	4	17	0850		A1A						CIPHER, DUPLEX	QG52xi		WIA	
14025	3	2012	4	20	<22:45--23:03		J3E/U			315	CLN		Group of males	OF84wx		WIA	
14025	3	2012	4	24	23:08--23:28		J3E/U			315	CLN		Group of males	OF84wx		WIA	
14025	3	2012	4	25	23:30--23:50		J3E/U			315	CLN		2 males	OF84wx		WIA	
14027.0	3	2012	4	4	1015		J1C						DAILY	QG52xi		WIA	
14028.0	1	2012	4	19	0740		F1B	HIGH	250				NO DECODES	QG52xi		WIA	
14028	3	2012	4	30	<22:45--22:52		J3E/U			315	CLN		2 males	OF84wx		WIA	
14028.8		2012	04	29	<0600>	0600	F1B				RUS	Unid	F1B commercial RTTY S9 + 50	RF80HL		NZART	ZL2iFB
14030.0	3	2012	4	6	1020		J1C						DAILY	QG52xi		WIA	
14031		2012	04	29	<0250-0300>		J3E/U				CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82		ARSI	
14035.0	5	2012	4	20	1000		G7D						6 SUBCARRIERS ON 400 HZ CENTRES, EACH HEAVILY PSK'D	QG52xi		WIA	
14035		2012	04	25	<0915>	0915	F7D				?	Unid	8 chnl. Idling	RF72LQ		NZART	ZL1BAD
14037		2012	04	06	<0240-0250>		J3E/U				CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE	MK82		ARSI	

ONLY – 2 OM

14040	3	2012	4	25	<23:00-- 23:13	J3E/U	360	INS	2 males	OF84wx	WIA
14045.7	3	2012	4	21	1215	J3E/U			ASIAN	QG52xi	WIA
14048.0	3	2012	4	3	0625	J3E/U		PHL	TAGALOG, ALL	QG52xi	WIA
14048	3	2012	4	1	07:45-- 08:08	J3E/U	360	INS	DAY EVERY DAY Group of males	OF84wx	WIA
14048	3	2012	4	23	07:18-- 07:40	J3E/U	315	CLN	Group of males	OF84wx	WIA
14048	3	2012	4	27	23:55-- 00:47	J3E/U	360	INS	2 males	OF84wx	WIA
14049.0	1	2012	4	11	1140	F1B	250		NO DECODES	QG52xi	WIA
14050.0	3	2012	4	2	0725	J3E/U			ASIAN	QG52xi	WIA
14050	3	2012	4	2	<08:35-- 09:05	J3E/U	360	INS	2 males	OF84wx	WIA
14051	3	2012	4	20	<00:00-- 00:20	J3E/U	315	CLN	2 males	OF84wx	WIA
14051.2	3	2012	4	6	0900	J3E/U			DAILY, SPANISH	QG52xi	WIA
14051.2	3	2012	4	22	<23:10-- 00:05	J3E/U	315	CLN	2 males	OF84wx	WIA
14055.0	3	2012	4	5	2050	A3E			DAILY SW BROADCAST IMD?	QG52xi	WIA
14055.5	3	2012	4	21	07:45-- 08:00	J3E/U	360	INS	2 males	OF84wx	WIA
14055.6	3	2012	4	12	0855	J3E/U			DAILY, ASIAN	QG52xi	WIA
14057.1	3	2012	4	3	1010	J3E/U			FAMILY NET	QG52xi	WIA
14060.0	20	2012	4	20	2130	P0N			DAILY, ASIAN	QG52xi	WIA
14060.0	3	2012	4	24	0935	J3E/L			OTHR	QG52xi	WIA
14060.0	3	2012	4	14	2000	J3E/U			ASIAN	QG52xi	WIA
14066	3	2012	4	1	<00:40-- 00:47	J3E/L	360	INS	ASIAN 2 males	OF84wx	WIA
14066	3	2012	4	23	22:50-- 00:00	J3E/L	315	CLN	Group of males	OF84wx	WIA
14066	3	2012	4	24	23:30-- 23:40	J3E/U	315	CLN	2 males	OF84wx	WIA
14066.5	3	2012	4	8	0900	J3E/U			ASIAN	QG52xi	WIA
14067.5	3	2012	4	21	22:45-- 01:28	J3E/U	315	CLN	Group of males	OF84wx	WIA
14068.0	3	2012	4	20	1000	J3E/U			ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA
14068	3	2012	4	19	23:45-- 01:30	J3E/U	315	CLN	2 males	OF84wx	WIA

VK6XW

14070.5		2012	04	05	<0220-0230>		J3E/U		CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA LANGUAGE ONLY – 2 OM	MK82		ARSI	
14084.0	3	2012	4	12	0855		J3E/U				ASIAN	QG52xi		WIA	
14088		2012	04	15	<0646>	0646	G7DF		330	? Unid	HF Man Pack 8-PSK	RF73MF		NZART	ZL1GWE
14090.0	30	2012	4	3	1030		VXX				DAILY, CODAR, SWEEPS 30 KHZ		QG52xi	WIA	
14100	3	2012	4	19	<07:40--08:03		J3E/U		360	INS	Group of males		OF84wx	WIA	
14100	1	2012	04	07	<1225-1235>		J3E/U			UNID	More than 2 OM. One Used some Urdu words for "hello and good bye"	NL06		ARSI	
14100	55	2012	04	22	<1750>	1750-2015	VXX			? Unid	CODAR. 3 PPS	RF72LQ		NZART	ZL1BAD
14100	55	2012	04	25	<0915>	0915	VXX			? Unid	CODAR 3.5 PPS Continuous	RF72LQ		NZART	ZL1BAD
14100.1	3	2012	4	19	0740		J3E/U				ASIAN	QG52xi		WIA	
14100.5	47	2012	04	23	<2111>	2111	VXX		330	? Unid	CODAR 2 pps S1	RF73MF		NZART	ZL1GWE
14100.9	3	2012	4	3	1030		J3E/U				ASIAN	QG52xi		WIA	
14103	3	2012	4	24	22:52--23:07		J3E/U		315	CLN	Group of males		OF84wx	WIA	
14108		2012	04	29	<0208>	0208	G7DF		330	? Unid	HF Man Pack 8-PSK	RF73MF		NZART	ZL1GWE
14110.0	6	2012	4	6	1020		A3E				DAILY, SW BROADCAST	QG52xi		WIA	
14114.0	3	2012	4	10	0840		J3E/L				DAILY, ASIAN	QG52xi		WIA	
14121		2012	04	22	<1935>	1935	F1B	250		? Unid	Idle sigs	RF72LQ		NZART	ZL1BAD
14126		2012	04	29	<0219>	0219	G7DF		330	? Unid	HF Man Pack 8-PSK S1	RF73MF		NZART	ZL1GWE
14133.3	3	2012	4	30	0845		J3E/U				ASIAN, FAMILY NET	QG52xi		WIA	
14135.0		2012	4	2	0920		A1A				MIXED NUMBER/LETTER CIPHER	QG52xi		WIA	
14137.2	3	2012	4	6	1020		J3E/L				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi		WIA	
14141.4	3	2012	4	6	0955		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi		WIA	
14148.0	3	2012	4	17	0810		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi		WIA	
14148		2012	04	15	<0640>	0640	G7DF		330	? Unid	HF Man Pack 8-PSK	RF73MF		NZART	ZL1GWE
14154		2012	04	21	<0636>	0636	G7DF		330	? Unid	HF Man Pack 8-PSK	RF73MF		NZART	ZL1GWE

14155.4	3	2012	4	9	0940		J3E/L								ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA		
14159		2012	04	08	<0635>	0635	G7DF		330	?	Unid				HF Man Pack 8- PSK S5	RF73MF	NZART	ZL1GWE	
14160.0	1	2012	4	17	0815		F1B	HIGH	250						NO DECODES	QG52xi	WIA		
															>50 SUBCARRIERS ON 50 HZ				
14161.0	5	2012	4	4	1015		G7D								INTERVALS	QG52xi	WIA		
14165		2012	04	15	<0639>	0639	G7DF		330	?	Unid				HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE	
14165		2012	04	08	<0635>	0635	G7DF		330	?	Unid				HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE	
14192		2012	04	21	<1850>	1850	F1B		200	?	Unid				Non-printable plus idle sigs	RF72LQ	NZART	ZL1BAD	
14192		2012	04	22	<1840>	1840	F1B		200	?	Unid				Non-printable plus idle sigs	RF72LQ	NZART	ZL1BAD	
14192		2012	04	30	<0440>	0440	F1B		200	?	Unid				Non-printable plus idle sigs	RF72LQ	NZART	ZL1BAD	
															>6 SUBCARRIERS ON 300 HZ				
14218.0	5	2012	4	19	0745		G7D								INTERVALS	QG52xi	WIA		
14220.0	1	2012	4	4	1015		F1B		500						DAILY SW BROADCAST	QG52xi	WIA		
14230.0	8	2012	4	27	2230		A3E				PHL	VOA			IMD	QG52xi	WIA		
14240.0	1	2012	4	17	0815		F1B	HIGH	250						NO DECODES	QG52xi	WIA		
14245		2012	04	29	<0201>	0201	G7DF		330	?	Unid				HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE	
14248		2012	04	08	<0645>	0645	G7DF		330	?	Unid				HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE	
															ASIAN, FISHBOATS, ENGINE NOISE				
14250.1	3	2012	4	24	0905		J3E/U									QG52xi	WIA		
14253.0	1	2012	4	24	0905		F1B	HIGH	250						NO DECODES	QG52xi	WIA		
															CIS_75_250 Russian? S5				
14253		2012	04	24	<0534>	0534	F1B	75	247.7	330	?	Unid			Encrypted	RF73MF	NZART	ZL1GWE	
14260.4	3	2012	4	4	1020		J3E/L								ASIAN, FAMILY NET	QG52xi	WIA		
												UNID			QSO between Two OM. One was heard in South Asian Language.				
14262		2012	04	07	<1210- 1220>		J3E/U				UNID					NL06	ARSI		
14263.0	1	2012	4	9	0940		F1B	HIGH	250						NO DECODES	QG52xi	WIA		
14264		2012	04	29	<0221>	0221	G7DF		330	?	Unid				HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE	
14265.5	3	2012	4	17	0815		J3E/L								ASIAN, FAMILY NET	QG52xi	WIA		
14269		2012	04	29	<0218>	0218	G7DF		330	?	Unid				HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE	
14270		2012	04	29	<0201>	0201	G7DF		330	?	unid				HF Man Pack 8- PSK S1	Rf73MF	NZART	ZL1GWE	

14289.8	3	2012	4	24	0910		J3E/L							ASIAN, FAMILY NET		QG52xi	WIA	
14297		2012	04	29	<0222>	0222	G7DF			330	?	Unid	HF Man Pack 8-PSK S2	RF73MF		NZART	ZL1GWE	
14300.0	1	2012	4	30	1020		F1B	HIGH	200				NO DECODES		QG52xi	WIA		
14301.0	1	2012	4	19	0745		F1B	HIGH	850				NO DECODES		QG52xi	WIA		
14305.0	3	2012	4	19	0750		J3E/U						ASIAN, FAMILY NET		QG52xi	WIA		
14306.0	5	2012	4	6	1025		G7D						APPROX 30 SUBCARRIERS ON APPROX 30 HZ INTERVAL		QG52xi	WIA		
14307		2012	04	29	<0219>	0219	G7DF			330	?	Unid	HF Man Pack 8-PSK S1	RF73MF		NZART	ZL1GWE	
14310.0	3	2012	4	12	0900		J3E/U						ASIAN FAMILY NET		QG52xi	WIA		
14315.4	3	2012	4	24	0910		J3E/U						ASIAN FAMILY NET		QG52xi	WIA		
14325.9	3	2012	4	20	1000		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE		QG52xi	WIA		
14326	12	2012	04	29	<0650>	0650	P0N			330	?	Unid	OTHR S9 41 pps	RF73MF		NZART	ZL1GWE	
14332.7	3	2012	4	24	0910		J3E/U						ASIAN FAMILY NET		QG52xi	WIA		
14335.0	2	2012	4	2	0845		F1B	HIGH	850				NO DECODES		QG52xi	WIA		
14337.0	1	2012	4	4	1020		F1B		850				DAILY		QG52xi	WIA		
14337.0	3	2012	4	4	1020		J3E/U						ASIAN		QG52xi	WIA		
14377		2012	04	09	<0720>	0720	F1B	50	849.8	315	?	Unid	CIS-50-50 Military encrypted	RF73MF		NZART	ZL1GWE	
18070.0	20	2012	4	15	0625		P0N						OTHR, CONTINUOUS		QG52xi	WIA		
18084		2012	04	28	<0641>	0641	G7DF				?	Unid	HF Man Pack 8-PSK S2	Rf73MF		NZART	ZL1GWE	
18126		2012	04	25	<0701>	0701	G7DF				?	Unid	HF Man Pack 8-PSK S1	RF73MF		NZART	ZL1GWE	
20105		2012	04	14	<0536>	0536	G7DF			315	?	Unid	HF Man Pack 8-PSK	RF73MF		NZART	ZL1GWE	
21000.0	8	2012	4	23	0840		A3E						ASIAN, SW INTERMOD		QG52xi	WIA		
21000.0	3	2012	4	21	0740		J3E/U						ASIAN		QG52xi	WIA		
21001.5	1	2012	4	7	0740		F1B		150				USUALLY ASSOCIATED WITH ENCRYPTED VOICE BELOW BAND EDGE		QG52xi	WIA		
21002.2	3	2012	4	8	0905		J3E/L						ASIAN, FAMILY NET		QG52xi	WIA		
21010.0	20	2012	4	9	0650		P0N						OTHR, CONTINUOUS		QG52xi	WIA		
21010	20	2012	04	09	<0643>	0643	P0N			315	?	Unid	OTHR 50 pps S9 + CW segment wiped out constant	RF73MF		NZART	ZL1GWE	

21014		2012	04	14	<0547>	0547	G7DF		315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21018		2012	04	24	<0547>	0547	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21020.3	3	2012	4	12	0845		J3E/U					ASIAN	QG52xi	WIA	
21026.5	1	2012	4	23	0850		F1B	200				CHIRP, IDLING	QG52xi	WIA	
21035		2012	04	24	<0647>	0647	G7DF		330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21037		2012	04	08	<0131>	0131	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21045		2012	04	06	<0648>	0648	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21050.0	20	2012	4	28	0135		P0N					OTHR, BURSTS	QG52xi	WIA	
21050.0	8	2012	4	18	0815		A3E					SW BROADCAST			
												IMD	QG52xi	WIA	
												APPROX 30			
												SUBCARRIERS			
21060.0	5	2012	4	12	0845		G7D					ON APPROX 30			
												HZ INTERVAL	QG52xi	WIA	
21076		2012	04	06	<0552>	0552	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21081		2012	04	08	<0132>	0132	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21081		2012	04	24	<0651>	0651	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21085		2012	04	08	<0136>	0136	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21086		2012	04	14	<0556>	0556	G7DF		315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21090		2012	04	08	<0648>	0648	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21099		2012	04	21	<0604>	0604	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21100.0	20	2012	4	22	0745		P0N					OTHR, BURSTS	QG52xi	WIA	
21100		2012	04	21	<0601>	0601	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21102		2012	04	14	<0548>	0548	G7DF		315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21103		2012	04	14	<0701>	0701	G7DF		315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21108		2012	04	08	<0342>	0342	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21111.0	3	2012	4	25	0000		J3E/L					ASIAN	QG52xi	WIA	
21112		2012	04	15	<0349>	0349	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21113		2012	04	08	<0132>	0132	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21114		2012	04	08	<0147>	0147	G7DF		330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21118.0	1	2012	4	23	0845		F1B	FAST	250			NO DECODES	QG52xi	WIA	
21120		2012	04	08	<0648>	0648	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21125		2012	04	08	<0337>	0337	G7DF			?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE

21135		2012	04	24	<0547>	0547	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21139		2012	04	14	<0547>	0547	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21139		2012	04	25	<2240>	2240	P0N		?	Unid	OTHR via web SDR VK1HW	WebSDR	NZART	VR2BG
21145		2012	04	24	<0646>	0646	G7DF	330	?	Unid	HF Man Pack 8-PSK S4	RF73MF	NZART	ZL1GWE
21146	12	2012	04	24	<0553>	0553	P0N	330	?	Unid	OTHR 48pps 3 second bursts S7	RF73MF	NZART	ZL1GWE
21147.5	9	2012	04	24	<0144>	0144	P0N	330	?	Unid	OTHR 50 pps S5 3 second bursts	RF73MF	NZART	ZL1GWE
21148		2012	04	15	<0349>	0349	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21149		2012	04	08	<0141>	0141	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21149		2012	04	29	<0357>	0357	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21149.5	11	2012	04	21	<0105>	0105	VXX	330	?	Unid	OTHR 42, 40, 39 pps varies S6	RF73MF	NZART	ZL1GWE
21150		2012	04	08	<0140>	0140	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21150		2012	04	09	<0704>	0704	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21150		2012	04	24	<0647>	0647	G7DF	330	?	Unid	HF Man pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21151.4	3	2012	4	8	0730		J3E/L				ASIAN	QG52xi	WIA	
21153		2012	04	24	<0600>	0600	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21155.7	3	2012	4	18	0830		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG52xi	WIA	
21156		2012	04	21	<0601>	0601	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21160.0	30	2012	4	9	0415		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21160		2012	04	14	<0701>	0701	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21162.5	9	2012	04	09	<0414>	0414	P0N	330	?	Unid	OTHR S9 3 second bursts	RF73MF	NZART	ZL1GWE
21173		2012	04	24	<0144>	0144	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
21177		2012	04	08	<0332>	0332	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21183.0	1	2012	4	14	0320		F1B				BURSTS	QG52xi	WIA	
21183		2012	04	14	<0538>	0538	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF ZL1GWE	NZART	
21185.0	30	2012	4	29	0400		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21185.5	11	2012	04	21	<0601>	0601	G7DF	330	?	Unid	OTHR 66pps S7 2 seconds	RF73MF	NZART	ZL1GWE
21186		2012	04	08	<0330>	0333	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE

21186.5	11	2012	04	09	<0020>	0020	P0N	330	?	Unid	OTHR S8 47 pps 2.5 second bursts	RF73MF	NZART	ZL1GWE
21187		2012	04	24	<0646>	0646	G7DF	330	?	Unid	HF Man Pack 8- PSK S4	RF73MF	NZART	ZL1GWE
21190.0	3	2012	4	22	0740		J3E/U				ASIAN MUSIC HF Man Pack 8- PSK S3	QG52xi	WIA	
21190		2012	04	28	<0644>	0644	G7DFF	330	?	Unid	OTHR S8 50 pps Slight QSB	RF73MF	NZART	ZL1GWE
21190	22	2012	04	29	<0356>	0356	P0N	330	?	Unid	continuous HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21191		2012	04	09	<0125>	0125	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21193		2012	04	21	<0604>	0604	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21203		2012	04	29	<0357>	0357	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21205		2012	04	24	<0645>	0645	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21209.5	19	2012	04	14	<2300>	2300	VXX	315	?	Unid	CODAR 2.7 pps S4 duration 18 sec burst, signature N0N on FC	RF73MF	NZART	ZL1GWE
21210.0	30	2012	4	14	2320		VXX				CODAR, VERY RAPID SWEEPS, 30 KHZ	QG52xi	WIA	
21211		2012	04	09	<0646>	0646	G7DF	315	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21212	16	2012	04	09	<0600>	0600	P0N	330	?	Unid	OTHR 50 pps S5 constant	RF73MF	NZART	ZL1GWE
21214		2012	04	15	<0701>	0701>	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21220		2012	04	08	<0343>	0343	G7DF	330	>	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21228		2012	04	08	<0708>	0708	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF ZL1GWE	NZART	
21228		2012	04	29	<0356>	0356	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
21230	30	2012	04	14	<0300>	0300	VXX		?	Unid	CODAR 20 sec. bursts @ 8 PPS	RF72LQ	NZART	ZL1BAD
21230	30	2012	04	15	<0300>	0300	VXX		?	Unid	CODAR 20 sec bursts @ 8 PPS repeated every 10 mins	RF72LQ	NZART	ZL1BAD
21230	30	2012	04	16	<0324>	0324	VXX		?	Unid	CODAR 20 sec bursts @ 8 PPS repeated every 10 mins	RF72LQ	NZART	ZL1BAD
21237		2012	04	07	<0039>	0039	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21239		2012	04	08	<0651>	0651	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21240	20	2012	04	14	<0551>	0551:25- 0551:43	VXX	315	?	Unid	CODAR S4 4-5 PPS	RF73MF	NZART	ZL1GWE
21244		2012	04	08	<0350>	0350	G7DF	330	?	Unid	HF Man Pack 8-	RF73Mf	NZART	ZL1GWE

21255		2012	04	24	<0557>	0557	G7DF	330	?	Unid	PSK HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21256		2012	04	08	<0651>	0651	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21258		2012	04	15	<0701>	0701	G7DF	330	?	Unid	HF Man Pack 8- PSK	Rf73MF	NZART	ZL1GWE
21261		2012	04	08	<0337>	0337	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21266		2012	04	29	<0355>	0355	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21273		2012	04	24	<0643>	0643	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21274		2012	04	07	<0039>	0039	G7DF		?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21274		2012	04	08	<0708>	0708	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21279		2012	04	24	<0600>	0600	G7DF	330	?	Unid	HF Man Pack 8- PSK CODAR 2.7 pps S4 duration 18 sec	RF73MF	NZART	ZL1GWE
21279.5	19	2012	04	14	<2315>	2315	VXX	315	?	Unid	burst, signature N0N on FC	RF73MF	NZART	ZL1GWE
21280		2012	04	24	<0144>	0144	G7DF	330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21282		2012	04	24	<0553>	0553	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21284		2012	04	24	<0146>	0146	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21289		2012	04	06	<0552>	0552	G7DF		?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21294		2012	04	06	<0649>	0649	G7DF		?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21294		2012	04	08	<0136>	0136	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21294		2012	04	14	<0700>	0700	G7DF	315	?	Unid	HF Man Pack 8- PSK	RF73Mf	NZART	ZL1GWE
21300.0	20	2012	4	22	0945		P0N				OTHR, CONTINUOUS	QG52xi	WIA	
21300		2012	04	09	<0555>	0555	P0N		?	Unid	OTHR P0N S9+ continuous	RF73IJ	NZART	ZL1TPH
21300		2012	04	14	<0705>	0705	G7DF	315	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21301		2012	04	08	<0131>	0131	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21301		2012	04	24	<0600>	0600	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21307		2012	04	14	<0653>	0653	G7DF	315	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21308		2012	04	22	<0640>	0540	G7DF	335	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21310		2012	04	09	<0646>	0646	G7DF	315	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21317		2012	04	15	<0457>	0457	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE

21317		2012	04	29	<0357>	0357	G7DF		330	?	Unid	HF Man Pack 8- PSK S1	RF73MF	NZART	ZL1GWE
21318.0	1	2012	4	23	0950		F1B	600				BURSTS	QG52xi	WIA	
21320.0	20	2012	4	8	0910		P0N					OTHR, BURSTS	QG52xi	WIA	
21323		2012	04	08	<0352>	0352	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21325	12	2012	04	29	<0650>	0650	P0N		33-	?	Unid	OTHR 41 pps S8- 9	RF73MF	NZART	ZL1GWE
21326	12	2012	04	21	<0604>	0604	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21327		2012	04	15	<0457>	0457	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21327		2012	04	15	<0458>	0458	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21330		2012	04	08	<0339>	0339	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21330		2012	04	21	<0540>	0540	G7DF		335	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21333		2012	04	08	<0343>	0343	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21338		2012	04	14	<0706>	0706	G7DF		315	?	Unid	HF Man Pack 8- PSK	RF73MF ZL1GWE	NZART	
21339		2012	04	06	<0658>	0658	G7DF			?	Unid	OTHR S7+ 50 PPS	RF73MF	NZART	ZL1GWE
21340.0	8	2012	4	18	0835		A3E					SW BROADCAST, ASIAN LANGUAGE	QG52xi	WIA	
21340		2012	04	08	<0128>	0128	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21340		2012	04	08	<0150>	0150	G7DF		330	?	Unid	HF Man Pack 8 PSK	RF73MF	NZART	ZL1GWE
21341		2012	04	15	<0459>	0459	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21341		2012	04	24	<0558>	0558	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21341.7		2012	04	08	<0128>	0128	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21345.0	20	2012	4	9	0640		P0N					OTHR	QG52xi	WIA	
21347.5		2012	04	08	<0713>	0713-0755	P0N		330	?	Unid	OTHR 40 pps S9 3.5 second bursts and 28 second gaps	RF73MF	NZART	ZL1GWE
21348	10	2012	04	09	<0606>	0606-0639	P0N		315	?	Unid	OTHR 66pps 2.5 secs and 48 pps 2 sec bursts S9	RF73MF	NZART	ZL1GWE
21348	20	2012	04	22	<0507>	0507	P0N		335	?	Unid	OTHR 50 PPS S9 + 10 3 seconds bursts	RF73MF	NZART	ZL1GWE
21350.0	20	2012	4	22	0530		P0N					OTHR	QG52xi	WIA	
21350		2012	04	08	<0343>	0343	G7DF		330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
21351	12	2012	04	14	<0559>	0559-0619	P0N		315	?	Unid	OTHR 66pps S7 4 second bursts 15 second gaps	RF73MF	NZART	ZL1GWE

21353.5	11	2012	04	21	<0604>	0604	P0N	330	?	Unid	OTHR 41 pps S8 3 second bursts	RF73MF	NZART	ZL1GWE
21355.0	20	2012	4	14	0620		P0N					QG52xi	WIA	
21356		2012	04	15	<0458>	0458	G7DF	330	?	Unid	OTHR HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21356		2012	04	28	<0656>	0656	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
21357		2012	04	08	<0349>	0349	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21358		2012	04	14	<0708>	0708	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21362		2012	04	08	<0342>	0342	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21364		2012	04	24	<0558>	0558	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21366		2012	04	15	<0457>	0457	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21369		2012	04	14	<0659>	0659	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21373		2012	04	08	<0335>	0335	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21375		2012	04	08	<0135>	0135	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21380.0	20	2012	4	17	0800		P0N				OTHR	QG52xi	WIA	
21381		2012	04	06	<0649>	0649	G7DF		?	Unid	HF Man Pack 8-PSK no Start of Message (SOM)	RF73MF	NZART	ZL1GWE
21385.0	20	2012	4	21	0750		P0N				OTHR	QG52xi	WIA	
21400	24	2012	04	09	<0554>	0554	P0N	330	?	Unid	OTHR 50 pps S8 constant gone to 21204-21220	RF73MF	NZART	ZL1GWE
21408.5	13	2012	04	14	<0610>	0610-0619	P0N	315	?	Unid	OTHR 47 pps S8 4.5 second bursts and 13 second gap	Rf73MF	NZART	ZL1GWE
21410.0	20	2012	4	14	0620		P0N				OTHR	QG52xi	WIA	
21410		2012	04	08	<0132>	0132	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21410	10	2012	04	22	<0748>	0748	P0N		?	Unid	OTHR Bursts via WebSDR VK2DAY	WEBSDR	NZART	VR2BG
21418		2012	04	15	<0347>	0347	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21419		2012	04	24	<0643>	0643	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21420.0	20	2012	4	18	0845		P0N				OTHR	QG52xi	WIA	
21420		2012	04	14	<0706>	0706	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21426		2012	04	28	<0645>	0645	G7DF	330	?	Unid	HF Man pack 8-PSK S3	RF73MF	NZART	ZL1GWE
21430		2012	04	06	<0552>	0552	G7DF		?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21431		2012	04	15	<0459>	0459	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE

21440		2012	04	14	<0708>	0708	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21442		2012	04	08	<0257>	0257	G7DF		?	Unid	HF Man Pack 8-PSK one burst plus SOC	RF73MF	NZART	ZL1GWE
21442		2012	04	14	<0653>	0653	G7DF	315	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21444		2012	04	09	<0306>	0306	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21445		2012	04	08	<0337>	0337	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73Mf	NZART	ZL1GWE
21450.0	20	2012	4	30	0815		P0N				OTHR	QG52xi	WIA	
21452		2012	04	08	<0340>	0340	G7DF	330	?	Unid	HF Man Pack 8-PSK	RF73MF	NZART	ZL1GWE
21454.5	23	2012	04	02	<0600>	0600	P0N		?	Unid	OTHR S7	RF73IJ	NZART	ZL1TPH
24850.0	60	2012	4	18	0755		VXX				CODAR, SWEEPS 60 KHZ	QG52xi	WIA	
24905.0	6	2012	4	11	0835		A3E				ASIAN	QG52xi	WIA	
24915.0	6	2012	4	6	0545		A3E				ASIAN	QG52xi	WIA	
24925.0	6	2012	4	21	0725		A3E				ASIAN	QG52xi	WIA	
24925		2012	04	29	<0228>	0228	F3E	330	?	Unid	Non Amateurs FM S3 Asian voices	RF73MF	NZART	ZL1GWE
24930.0	20	2012	4	23	0945		P0N				OTHR	QG52xi	WIA	
24935.0	6	2012	4	5	2315		A3E				ASIAN	QG52xi	WIA	
24937.5	6	2012	4	6	0545		A3E				ASIAN	QG52xi	WIA	
24950.0	6	2012	4	22	0725		A3E				ASIAN	QG52xi	WIA	
24952		2012	04	29	<0248>	0248	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
24955.0	6	2012	4	6	0545		A3E				ASIAN	QG52xi	WIA	
24961		2012	04	07	<0308>	0308	G7DF		?	Unid	HF Man Pack 8-PSK S1 6 second sequence	RF73MF	NZART	ZL1GWE
24967		2012	04	25	<0536>	0536	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART	ZL1GWE
24975.0	6	2012	4	7	0740		A3E				ASIAN	QG52xi	WIA	
24980.0	30	2012	4	6	0545		VXX				CODAR, SWEEPS 30 KHZ	QG52xi	WIA	
24984.5	11	2012	04	06	<0741>	0741	P0N	330	?	Unid	OTHR S6 47-48 pps varies	RF73MF	NZART	ZL1GWE
24987.5	6	2012	4	22	0720		A3E				ASIAN	QG52xi	WIA	
28000.0	6	2012	4	2	0910		F3E				ASIAN	QG52xi	WIA	
28000		2012	04	25	<0542>	0542	F3E	330	?	Unid	Non Amateur Asian S4 FM full quietening	RF73MF	NZART	ZL1GWE
28005.0	6	2012	4	5	2145		A3E				ASIAN	QG52xi	WIA	
28006		2012	04	23	<2357>	2357	G7DF		?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART	ZL1GWE
28008.4		2012	4	9	0015		A1A			4ION	DRIFTNET BEACON	QG52xi	WIA	
28014		2012	04	15	<0017>	0017	A3E	315	?	Unid	Non Amateurs squelches squeels	RF73MF	NZART	ZL1GWE

										S2 amongst CW signals					
28015.0	6	2012	4	2	0910		A3E			ASIAN	QG52xi	WIA			
28018.0	6	2012	4	30	0810		A3E			ASIAN	QG52xi	WIA			
28025.0	6	2012	4	5	2315		A3E			ASIAN	QG52xi	WIA			
28035.0	6	2012	4	2	0910		A3E			ASIAN	QG52xi	WIA			
28040.0	6	2012	4	18	0750		A3E			ASIAN	QG52xi	WIA			
28040.1		2012	4	27	2345		A1A	4LEG		DRIFTNET BEACON	QG52xi	WIA			
28042.0	6	2012	4	11	0750		A3E			ASIAN	QG52xi	WIA			
28045.0	6	2012	4	27	2115		J3E/U			SPANISH, CENTRAL OR SOUTH AMERICA	QG52xi	WIA			
28045.0	6	2012	4	17	0740		A3E			ASIAN	QG52xi	WIA			
28050.0	20	2012	4	3	0825		P0N			OTHR, BURSTS	QG52xi	WIA			
28050.0	6	2012	4	5	2200		A3E			ASIAN	QG52xi	WIA			
28052.8		2012	4	8	2310		A1A	4LDO		DRIFTNET BEACON	QG52xi	WIA			
28055.0	6	2012	4	2	0910		A3E			ASIAN	QG52xi	WIA			
28060.0	6	2012	4	6	0545		A3E			ASIAN	QG52xi	WIA			
28062.5	6	2012	4	7	0740		A3E			ASIAN	QG52xi	WIA			
28065.0	6	2012	4	2	0910		A3E			ASIAN	QG52xi	WIA			
28070.0	6	2012	4	23	0820		A3E			ASIAN	QG52xi	WIA			
28075.0	6	2012	4	2	0910		A3E			ASIAN	QG52xi	WIA			
										Non Amateurs Chinese Asians group S1 Squelches 3 kHz bw					
28077		2012	04	15	<0012>	0012	A3E	315	? Unid		RF73MF	NZART	ZL1GWE		
28080.0	6	2012	4	19	0730		A3E			ASIAN	QG52xi	WIA			
28085.0	6	2012	4	6	0545		A3E			ASIAN	QG52xi	WIA			
28090.0	6	2012	4	18	0745		A3E			ASIAN	QG52xi	WIA			
28095.0	6	2012	4	21	0720		A3E			ASIAN	QG52xi	WIA			
28100.0	6	2012	4	7	0740		A3E			ASIAN	QG52xi	WIA			
28104		2012	04	29	<0529>	0529	A3E	330	? Unid	Non-Amateurs Asian Group S3	RF73MF	NZART	ZL1GWE		
28105.0	6	2012	4	2	0905		A3E			ASIAN	QG52xi	WIA			
28110.0	6	2012	4	30	0810		A3E			ASIAN	QG52xi	WIA			
28112.5	6	2012	4	22	0635		A3E			ASIAN	QG52xi	WIA			
28115.0	6	2012	4	5	2150		A3E			ASIAN	QG52xi	WIA			
28124		2012	04	29	<0524>	0524	A3E	330	? Unid	Non Amateurs Asian S3	RF73MF	NZART	ZL1GWE		
28125.0	6	2012	4	5	2310		A3E			ASIAN	QG52xi	WIA			
28135.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA			
28137.5	6	2012	4	23	0820		A3E			ASIAN	QG52xi	WIA			
28140.0	6	2012	4	16	0920		A3E			ASIAN	QG52xi	WIA			
28145.0	6	2012	4	2	0905		A3E			ASIAN	QG52xi	WIA			

										APPROX 50 SUBCARRIERS ON 50 HZ CENTRES			
28147.5	5	2012	4	11	0755		G7D				QG52xi	WIA	
28150.0	6	2012	4	5	2310		A3E				QG52xi	WIA	
28150		2012	04	15	<0619>	0619	F3E	315	? Unid	Non Amateurs S3 Asian	RF73Mf	NZART	ZL1GWE
28155.0	6	2012	4	5	2310		F3E			ASIAN	QG52xi	WIA	
28165.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28173		2012	04	15	<0015>	0015	A3E	315	? Unid	Non Amateurs squelches squeels	RF73MF	NZART	ZL1GWE
28175.0	6	2012	4	3	0825		F3E			ASIAN	QG52xi	WIA	
28177		2012	04	14	<2344>	2344	G7DF	315	? Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
28185.0	6	2012	4	2	0905		F3E			ASIAN	QG52xi	WIA	
28187.5	6	2012	4	21	0010		F3E			ASIAN	QG52xi	WIA	
28188		2012	04	15	<0618>	0618	F3E	315	? Unid	Non Amateurs S5 FM Asian	RF73MF	NZART	ZL1GWE
28194		2012	04	29	<0622>	0522-0529	A3E	330	? Unid	Non Amateurs S3 Asian	Rf73MF	NZART	ZL1GWE
28195.0	6	2012	4	5	2150		A3E			ASIAN	QG52xi	WIA	
28200.0	6	2012	4	3	0825		A3E			ASIAN	QG52xi	WIA	
28205.0	6	2012	4	5	2310		A3E			ASIAN	QG52xi	WIA	
28208		2012	04	25	<0544>	0544	G7DF	330	? Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
28210.0	6	2012	4	21	0005		A3E			ASIAN	QG52xi	WIA	
28212.5	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28215.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28218.0	6	2012	4	30	0805		A3E			ASIAN	QG52xi	WIA	
28225.0	6	2012	4	5	2310		A3E			ASIAN	QG52xi	WIA	
28225		2012	04	28	<0638>	0638	A3E	330	? Unid	Non Amateurs AM	RF73MF	NZART	ZL1GWE
28230.0	6	2012	4	18	0745		A3E			ASIAN	QG52xi	WIA	
28235.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28237.5	6	2012	4	8	0735		A3E			ASIAN	QG52xi	WIA	
28240.0		2012	4	15	0605		A1A		5AJS	DRIFTNET BEACON	QG52xi	WIA	
28245.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28246		2012	04	29	<0520>	0520	G7DF	330	? Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
28246		2012	04	29	<0510>	0510-0521	A3E	330	? Unid	Non Amateurs S2 Asian	RF73MF	NZART	ZL1GWE
28250.0	6	2012	4	5	2310		A3E			ASIAN	QG52xi	WIA	
28255.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28262.5	6	2012	4	2	0905		A3E			ASIAN	QG52xi	WIA	
28264		2012	04	29	<0526>	0526	G7DF	330	? Unid	HF Man Pack 8- PSK S3	RF72MF	NZART	ZL1GWE
28265.0	6	2012	4	6	0540		A3E			ASIAN	QG52xi	WIA	
28275.0	6	2012	4	2	0905		A3E			ASIAN	QG52xi	WIA	
28280.0	6	2012	4	2	0905		A3E			ASIAN	QG52xi	WIA	

28285.0	6	2012	4	2	0905		A3E				ASIAN Non Amateurs FM	QG52xi	WIA		
28285		2012	04	28	<0637>	0637	F3E	330	?	Unid	S1	RF73MF	NZART	ZL1GWE	
28287.5	6	2012	4	2	0905		A3E				ASIAN	QG52xi	WIA		
28295.0	6	2012	4	2	0905		A3E				ASIAN	QG52xi	WIA		
28300.0	6	2012	4	7	0735		A3E				ASIAN	QG52xi	WIA		
28303		2012	04	28	<0609>	0609	A3E	330	?	Unid	Non Amateurs Asian S3	RF73MF	NZART	ZL1GWE	
28305.0	6	2012	4	5	2150		A3E				ASIAN	QG52xi	WIA		
28305		2012	04	25	<0544>	0544	A3E	330	?	Unid	Non Amateurs S2	RF73MF	NZART	ZL1GWE	
28312		2012	04	28	<0610>	0610	A3E	330	?	Unid	Non Amateurs S3 Asian	RF73MF	NZART	ZL1GWE	
28315.0	6	2012	4	2	0905		A3E				ASIAN	QG52xi	WIA		
28320.0	6	2012	4	29	0215		A3E				ASIAN	QG52xi	WIA		
28325.0	6	2012	4	3	0825		A3E				ASIAN	QG52xi	WIA		
28334		2012	04	22	<0502>	0502	G7DF	335	?	Unid	HF Man Packs 8- PSK	RF73MF	NZART	ZL1GWE	
28335.0	6	2012	4	2	0905		A3E				ASIAN	QG52xi	WIA		
28335		2012	04	22	<0507>	0502	F3E		?	Unid	Non Amateurs	RF73MF	NZART	ZL1GWE	
28337.5	6	2012	4	18	0745		A3E				ASIAN	QG52xi	WIA		
28343.0	6	2012	4	18	0745		A3E				ASIAN	QG52xi	WIA		
28350.0	6	2012	4	6	0540		A3E				ASIAN	QG52xi	WIA		
28350		2012	04	12	<0100>	0100	F1B		?	Unid	Disruptive Data stream over QSO - Commercial	RE68XL	NZART	ZL2TZE	
28352.0	6	2012	4	30	0805		A3E				ASIAN	QG52xi	WIA		
28355.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA		
28355		2012	04	28	<0611>	0611	A3E	330	?	Unid	Non Amateurs S2 Asian	RF73MFRF73MF	NZART	ZL1GWE	
28358		2012	04	22	<0503>	0503	G7DF	335	?	Unid	HF Man Packs 8- PSK	RF73MF	NZART	ZL1GWE	
28362.5	6	2012	4	7	0735		A3E				ASIAN	QG52xi	WIA		
28365.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA		
28375.0	6	2012	4	6	0535		A3E				ASIAN	QG52xi	WIA		
28380.0	6	2012	4	6	0530		A3E				ASIAN	QG52xi	WIA		
28385.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA		
28387.5	6	2012	4	21	0715		A3E				ASIAN	QG52xi	WIA		
28390.0	6	2012	4	19	0725		A3E				ASIAN	QG52xi	WIA		
28395.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA		
28400.0	6	2012	4	6	0530		A3E				ASIAN	QG52xi	WIA		
28400		2012	04	28	<0631>	0631	F3E	330	?	Unid	Non Amateurs Chinese Asians groups SS4	RF73MF	NZART	ZL1GWE	
28405.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA		
28412.5	6	2012	4	3	0825		A3E				ASIAN	QG52xi	WIA		
28415.0	6	2012	4	6	0535		A3E				ASIAN	QG52xi	WIA		
28415		2012	04	14	<2352>	2352	G7DF	315	?	Unid	HF Man Pack 8- PSK tell tale signs SOC and SOM	RF73MF	NZART	ZL1GWE	

28415		2012	04	25	<0504>	0504	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
28425.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28425		2012	04	25	<0516>	0516	A3E	330	?	Unid	Non Amateurs S2	RF72MF	NZART	ZL1GWE
28435.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28437.5	6	2012	4	18	0740		A3E				ASIAN	QG52xi	WIA	
28450.0	6	2012	4	14	0310		A3E				ASIAN	QG52xi	WIA	
28453		2012	04	14	<2338>	2338	G7DF	315	?	Unid	HF Man Pack 8- PSK no SOC or SOM	RF73MF	NZART	ZL1GWE
28455.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28459		2012	04	25	<0516>	0516	G7DF	330	?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
28462.5	6	2012	4	21	0715		A3E				ASIAN	QG52xi	WIA	
28465.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28469		2012	04	14	<2331>	2331	G7DF	315	?	Unid	HF Man Pack 8- PSK gone into Start of Message and conversation mode	RF73MF	NZART	ZL1GWE
28471		2012	04	24	<0512>	0512	G7DF	330	?	Unid	HF Man Pack 8- PSK S2	RF73MF	NZART	ZL1GWE
28475.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28482		2012	04	15	<0007>	0007	G7DF	315	?	Unid	HF Man Pack 8- PSK ditto above	RF73MF	NZART	ZL1GWE
28485.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28495.0	6	2012	4	18	0740		A3E				ASIAN	QG52xi	WIA	
28500.0	6	2012	4	24	2345		A3E				ASIAN	QG52xi	WIA	
28505.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28512.5	6	2012	4	5	2305		A3E				ASIAN	QG52xi	WIA	
28515.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28524		2012	04	25	<0512>	0512	G7DF	330	?	Unid	HF Man Pack 8- PSK	RF73MF	NZART	ZL1GWE
28525.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28530.0	6	2012	4	15	0555		A3E				ASIAN	QG52xi	WIA	
28535.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28540.0	6	2012	4	7	0730		A3E				ASIAN	QG52xi	WIA	
28550.0	6	2012	4	14	0305		A3E				ASIAN	QG52xi	WIA	
28555.0	6	2012	4	6	0535		A3E				ASIAN	QG52xi	WIA	
28560.0	6	2012	4	18	0740		A3E				ASIAN	QG52xi	WIA	
28565.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28570.0	6	2012	4	28	0125		A3E				ASIAN	QG52xi	WIA	
28575.0	6	2012	4	7	0730		A3E				ASIAN	QG52xi	WIA	
28577		2012	04	14	<2336>	2336	G7DF	315	?	Unid	HF Man Pack 8- PSK responder SOM and SOC S4	RF73MF	NZART	ZL1GWE
28585.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	
28587.5	6	2012	4	22	0630		A3E				ASIAN	QG52xi	WIA	
28595.0	6	2012	4	2	0900		A3E				ASIAN	QG52xi	WIA	

28600.0	6	2012	4	5	2305		A3E			ASIAN	QG52xi	WIA	
28605.0	6	2012	4	15	0550		A3E			ASIAN	QG52xi	WIA	
28614		2012	04	25	<0514>	0514	G7DF	330	? Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
28615.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28620.0	6	2012	4	7	0730		A3E			ASIAN	QG52xi	WIA	
28625.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28625		2012	04	25	<0510>	0510	A3E	330	? Unid	Non Amateurs S3 Asian	Rf73MF	NZART	ZL1GWE
28632		2012	04	14	<2336>	2336	G7DF	315	? Unid	HF Man Pack 8-PSK initiator	RF73MF	NZART	ZL1GWE
28635.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28639		2012	04	14	<2345>	2345	G7DF	315	? Unid	HF Man Pack 8-PSK S3	RF73MF	NZART	ZL1GWE
28645.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28650.0	6	2012	4	15	0550		F3E			ASIAN	QG52xi	WIA	
28655.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28665.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28665		2012	04	09	<0331>	0331	A3E	330	? Unid	Non Amateurs Chinese Asians group S3 Squelches 3 kHz bw	RF73MF	NZART	ZL1GWE
28665		2012	04	25	<0501>	0501	A3E	330	? Unid	Non-Amateurs Asians group S3 Squelches 5 kHz bw multiple	RF73MF	NZART	ZL1GWE
28670.0	6	2012	4	7	0730		A3E			ASIAN	QG52xi	WIA	
28675.0	6	2012	4	7	0730		A3E			ASIAN	QG52xi	WIA	
28680.0	6	2012	4	25	0025		A3E			ASIAN	QG52xi	WIA	
28685.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28687.5	6	2012	4	5	2305		A3E			ASIAN	QG52xi	WIA	
28695.0	6	2012	4	7	0725		A3E			ASIAN	QG52xi	WIA	
28700.0	6	2012	4	7	0730		A3E			ASIAN	QG52xi	WIA	
28705.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28712.5	6	2012	4	12	0835		A3E			ASIAN	QG52xi	WIA	
28715.0	6	2012	4	7	0725		A3E			ASIAN	QG52xi	WIA	
28722.5	6	2012	4	24	0800		A3E			ASIAN	QG52xi	WIA	
28725.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28730.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA	
28735.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28737.5	6	2012	4	12	0830		A3E			ASIAN	QG52xi	WIA	
28740.0	6	2012	4	5	2305		A3E			ASIAN	QG52xi	WIA	
28745.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	
28750.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA	
28750		2012	04	25	<0534>	0534	A3E	330	? Unid	Non Amateurs Asian S2	RF73MF	NZART	ZL1GWE
28755.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA	

28760.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28762.5	6	2012	4	14	0305		A3E			ASIAN	QG52xi	WIA
28765.0	6	2012	4	14	0305		A3E			ASIAN	QG52xi	WIA
28775.0	6	2012	4	11	0740		A3E			ASIAN	QG52xi	WIA
28782.5	6	2012	4	20	0915		A3E			ASIAN	QG52xi	WIA
28795.0	6	2012	4	20	0915		A3E			ASIAN	QG52xi	WIA
28800.0	6	2012	4	11	0740		A3E			ASIAN	QG52xi	WIA
28805.0	6	2012	4	23	0815		A3E			ASIAN	QG52xi	WIA
28815.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA
28817.0	3	2012	4	21	0000		A3E			ASIAN	QG52xi	WIA
28825.0	6	2012	4	20	0915		A3E			ASIAN	QG52xi	WIA
28830.0	6	2012	4	23	0815		A3E			ASIAN	QG52xi	WIA
28835.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28837.5	6	2012	4	7	0725		A3E			ASIAN	QG52xi	WIA
28850.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA
28853		2012	04	15	<0007>	0007	G7DF	315	? Unid	HF Man Pack -8- PSK SOM, SOC	RF73MF	NZART ZL1GWE
28855.0	6	2012	4	15	0550		A3E			ASIAN	QG52xi	WIA
28862.5	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28865.0	6	2012	4	17	0735		A3E			ASIAN	QG52xi	WIA
28875.0	6	2012	4	2	0855		A3E			ASIAN	QG52xi	WIA
28880.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28885.0	6	2012	4	15	0550		A3E			ASIAN	QG52xi	WIA
28887.5	6	2012	4	28	0120		A3E			ASIAN	QG52xi	WIA
28900.0	6	2012	4	12	0305		A3E			ASIAN	QG52xi	WIA
28900		2012	04	23	<2353>	2353	G7DF		? Unid	HF Man pack 8- PSK S3	RF73MF	NZART ZL1GWE
28905.0	6	2012	4	18	0655		A3E			ASIAN	QG52xi	WIA
28912.5	6	2012	4	3	0820		A3E			ASIAN	QG52xi	WIA
28915.0	6	2012	4	15	0550		A3E			ASIAN	QG52xi	WIA
28920.0	6	2012	4	18	0650		A3E			ASIAN	QG52xi	WIA
28922		2012	04	14	<2331>	2331	G7DF	315	? Unid	HF Man Pack 8- PSK within above sequence	RF73MF	NZART ZL1GWE
28925.0	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28935.0	6	2012	4	21	0000		A3E			ASIAN	QG52xi	WIA
28937.5	6	2012	4	6	0530		A3E			ASIAN	QG52xi	WIA
28940.0	8	2012	4	5	2300		A3E		KRE	ASIAN, SW BROADCAST	QG52xi	WIA
28950.0	8	2012	4	5	2300		A3E		KRE	ASIAN, SW BROADCAST	QG52xi	WIA
28962.5	6	2012	4	16	0915		A3E			ASIAN	QG52xi	WIA
28965.0	6	2012	4	21	0000		A3E			ASIAN	QG52xi	WIA
28975.0	6	2012	4	18	0650		A3E			ASIAN	QG52xi	WIA
28980.0	6	2012	4	19	0720		A3E			ASIAN	QG52xi	WIA
28985.0	6	2012	4	22	0625		A3E			ASIAN	QG52xi	WIA
28995.0	6	2012	4	24	2340		A3E			ASIAN	QG52xi	WIA

29000.0	150	2012	4	22	0625		A2E				LIKE A2E BUT 150 KHZ WIDE		QG52xi	WIA	
29000.0	6	2012	4	5	2300		A3E				ASIAN		QG52xi	WIA	
29005.0	6	2012	4	7	0720		A3E				ASIAN		QG52xi	WIA	
29015.0	6	2012	4	7	0720		A3E				ASIAN		QG52xi	WIA	
29020.0	6	2012	4	7	0720		A3E				ASIAN		QG52xi	WIA	
29025.0	6	2012	4	2	0820		A3E				ASIAN		QG52xi	WIA	
29032.5	6	2012	4	21	0710		A2D				TONE		QG52xi	WIA	
29035.0	6	2012	4	20	2355		A3E				ASIAN		QG52xi	WIA	
29037.5	6	2012	4	12	0820		A3E				ASIAN		QG52xi	WIA	
29045.0	6	2012	4	14	0300		A3E				ASIAN		QG52xi	WIA	
29050.0	6	2012	4	11	0740		A3E				ASIAN		QG52xi	WIA	
29062.5	6	2012	4	14	0430		A3E				ASIAN		QG52xi	WIA	
29065.0	6	2012	4	29	0210		A3E				ASIAN		QG52xi	WIA	
29075.0	6	2012	4	5	2300		F3E				ASIAN, MUSIC		QG52xi	WIA	
29078		2012	04	14	<2345>	2345	G7DF		315	?	Unid	HF Man Pack 8- PSK S3	RF73MF	NZART	ZL1GWE
29085.0	6	2012	4	11	0735		A3E					ASIAN	QG52xi	WIA	
29087.5	6	2012	4	19	0715		A3E					ASIAN	QG52xi	WIA	
29098		2012	04	25	<0521>	0521	A3E		330	?	Unid	Non Amateurs Squelches S1	RF73MF	NZART	ZL1GWE
29100.0	6	2012	4	2	0820		A3E					ASIAN	QG52xi	WIA	
29110.0	6	2012	4	11	0735		A3E					ASIAN	QG52xi	WIA	
29120.0	6	2012	4	14	0300		A3E					ASIAN	QG52xi	WIA	
29125.0	6	2012	4	2	0850		A3E					ASIAN	QG52xi	WIA	
29135.0	6	2012	4	12	0820		A3E					ASIAN	QG52xi	WIA	
29140.0	6	2012	4	20	0910		A3E					ASIAN	QG52xi	WIA	
29145.0	6	2012	4	21	0710		A3E					ASIAN	QG52xi	WIA	
29150.0	6	2012	4	5	0925		A3E					ASIAN	QG52xi	WIA	
29160.0	30	2012	4	10	0850		P0N					OTHR	QG52xi	WIA	
29162.5	6	2012	4	12	0820		A3E					ASIAN	QG52xi	WIA	
29165.0	6	2012	4	15	0545		A3E					ASIAN	QG52xi	WIA	
29175.0	6	2012	4	5	0915		A3E					ASIAN	QG52xi	WIA	
29187.5	6	2012	4	5	2300		A3E					ASIAN	QG52xi	WIA	
29190.0	8	2012	4	14	0300		A3E					SW BROADCAST IN ENGLISH	QG52xi	WIA	
29200.0	6	2012	4	5	0910		A3E			KRE		ASIAN	QG52xi	WIA	
29205.0	6	2012	4	24	0800		A3E					ASIAN	QG52xi	WIA	
29212.5	6	2012	4	5	2300		A3E					ASIAN	QG52xi	WIA	
29215.0	6	2012	4	20	0910		A3E					ASIAN	QG52xi	WIA	
29225.0	6	2012	4	5	0900		A3E					ASIAN	QG52xi	WIA	
29230.0	6	2012	4	7	0720		A3E					ASIAN	QG52xi	WIA	
29235.0	6	2012	4	15	0545		A3E					ASIAN	QG52xi	WIA	
29250.0	6	2012	4	5	0855		A3E					ASIAN	QG52xi	WIA	
29260.0	6	2012	4	28	0115		A3E					ASIAN	QG52xi	WIA	
29262.5	6	2012	4	5	2300		A3E					ASIAN	QG52xi	WIA	

29265.0	6	2012	4	20	2355	A3E	ASIAN	QG52xi	WIA
29275.0	6	2012	4	5	0850	A3E	ASIAN	QG52xi	WIA
29280.0	6	2012	4	3	0820	A3E	ASIAN	QG52xi	WIA
29287.5	6	2012	4	5	0850	A3E	ASIAN	QG52xi	WIA
29295.0	6	2012	4	20	0910	A3E	ASIAN	QG52xi	WIA
29300.0	6	2012	4	2	0850	A3E	ASIAN	QG52xi	WIA
29305.0	6	2012	4	24	0800	A3E	ASIAN	QG52xi	WIA
29312.5	6	2012	4	14	0300	A3E	ASIAN	QG52xi	WIA
29315.0	6	2012	4	20	0910	A3E	ASIAN	QG52xi	WIA
29325.0	6	2012	4	4	0845	A3E	ASIAN	QG52xi	WIA
29330.0	6	2012	4	22	0610	A3E	ASIAN	QG52xi	WIA
29335.0	6	2012	4	20	0910	A3E	ASIAN	QG52xi	WIA
29337.5	6	2012	4	7	0715	A3E	ASIAN	QG52xi	WIA
29350.0	6	2012	4	4	0840	A3E	ASIAN	QG52xi	WIA
29355.0	6	2012	4	24	0800	A3E	ASIAN	QG52xi	WIA
29362.5	6	2012	4	4	0840	A3E	ASIAN	QG52xi	WIA
29370.0	6	2012	4	20	0910	A3E	ASIAN	QG52xi	WIA
29375.0	6	2012	4	2	0850	A3E	ASIAN	QG52xi	WIA
29385.0	6	2012	4	17	0730	A3E	ASIAN	QG52xi	WIA
29387.5	6	2012	4	4	0840	A3E	ASIAN	QG52xi	WIA
29390.0	6	2012	4	2	0850	A3E	ASIAN	QG52xi	WIA
29400.0	6	2012	4	2	0850	A3E	ASIAN	QG52xi	WIA
29412.5	6	2012	4	4	0840	A3E	ASIAN	QG52xi	WIA
29425.0	1	2012	4	15	0545	F1B		QG52xi	WIA
29425.0	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29430.0	6	2012	4	6	0530	A3E	ASIAN	QG52xi	WIA
29437.5	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29445.0	6	2012	4	22	0605	A3E	ASIAN	QG52xi	WIA
29450.0	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29455.0	6	2012	4	24	0800	A3E	ASIAN	QG52xi	WIA
29462.5	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29475.0	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29487.5	6	2012	4	12	0815	A3E	ASIAN	QG52xi	WIA
29495.0	6	2012	4	22	0605	A3E	ASIAN	QG52xi	WIA
29500.0	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29512.5	6	2012	4	4	0835	A3E	ASIAN	QG52xi	WIA
29515.0	6	2012	4	4	0830	A3E	ASIAN	QG52xi	WIA
29525.0	6	2012	4	4	0830	A3E	ASIAN	QG52xi	WIA
29537.5	6	2012	4	4	0830	A3E	ASIAN	QG52xi	WIA
29550.0	6	2012	4	2	0845	A3E	ASIAN	QG52xi	WIA
29555.0	6	2012	4	24	0830	A3E	ASIAN	QG52xi	WIA
29562.5	6	2012	4	5	2255	A3E	ASIAN	QG52xi	WIA
29575.0	6	2012	4	4	0825	A3E	ASIAN	QG52xi	WIA
29587.5	6	2012	4	22	0605	A3E	ASIAN	QG52xi	WIA
29600.0	6	2012	4	5	0805	A3E	ASIAN	QG52xi	WIA

29600.0	6	2012	4	20	0905	A3E			ASIAN, SW BROADCAST	QG52xi	WIA
29612.5	6	2012	4	5	0805	A3E			ASIAN	QG52xi	WIA
29625.0	6	2012	4	3	0815	A3E			ASIAN	QG52xi	WIA
29635.0	6	2012	4	24	2335	A3E			ASIAN	QG52xi	WIA
29637.5	6	2012	4	4	0815	A3E			ASIAN	QG52xi	WIA
29650.0	6	2012	4	2	0845	A3E			ASIAN	QG52xi	WIA
29655.0	6	2012	4	20	0905	A3E			ASIAN	QG52xi	WIA
29662.5	6	2012	4	5	0805	A3E			ASIAN	QG52xi	WIA
29675.0	6	2012	4	4	0805	A3E			ASIAN	QG52xi	WIA
29684.5	1	2012	4	24	0820	F1B	200			QG52xi	WIA
29687.5	6	2012	4	2	0845	A3E			ASIAN	QG52xi	WIA
29700.0	6	2012	4	4	0800	A3E			ASIAN	QG52xi	WIA
28501:9		2012	04	14	<2331>	2331 G7DF	315	? Unid	HF Man Pack 8- PSK	RF73MF	NZART ZL1GWE