



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



October 2009

Peter Young VK3MV

Revised

This is my first report as the Regional Monitoring System Coordinator. More information on my background can be seen by visiting the WIA website under <http://www.wia.org.au/people/PeterYoung-VK3MV/index.php>

Reports for October have been received from ARSI, NZART, JARL and WIA.

ARSI reports, All India Radio- Chennai, is causing QRM in terms of its spurious emissions, mostly inter modulation products on various frequencies are in the 40m band. Also continuing intrusion of fishing boats from Sri Lanka – refer to summary report.

Karl, VK6WX reports the operation of the re-broadcast of Filipino news on 14135 KHz at 22:30-00:00 UTC, and Indonesian news on 14065 KHz at 00:00-00:30 UTC, have ceased since 24.10.2009, and 25.10.2009. A carrier of S1 has been heard to continue, and stopped at exactly the usual time, on 14065 KHz, but there was no modulation at all. No transmission has been observed since, on these frequencies, and no other frequency has been found yet.

NZART reports OHR SuperDarn/TIGER Radar systems operating in 30 Meter band from Tasmania/Aust and New Zealand. This is being followed up with the Administrations in both countries. NZART also report second harmonic from 1.8 kHz Radio Determination (GPS) transmitter into 80 meter band.

The JARL report a significant number of Broadcasting stations intruding into the lower HF bands. These are believed to emanate From China, Nth Korea and Russian states.

Thank you to all this months observers.

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	
1802.9	0.1	2009	9	6	1020		A1A					Unid	4BHI DRIFTNET BEACON	QG52XI	WIA	
1802.9	0.1	2009	9	9	0855		A1A					Unid	RL1 DRIFTNET BEACON	QG52XI	WIA	
1804.0	0.1	2009	9	24	0920		A1A					Unid	2AHAF DRIFTNET BEACON	QG52XI	WIA	
1807.9	0.1	2009	8	28	0915		A1A					Unid	2AFNO DRIFTNET BEACON	QG52XI	WIA	
1820.0	0.1	2009	9	24	0925		A1A					Unid	DF6 DRIFTNET BEACON	QG52XI	WIA	
1822.0	0.1	2009	9	15	1000		A1A					Unid	2AHAL DRIFTNET BEACON	QG52XI	WIA	
1823.9	0.1	2009	9	6	1015		A1A					Unid	2AFRS DRIFTNET BEACON	QG52XI	WIA	
1823.9	0.1	2009	9	15	1000		A1A					Unid	2AFRS DRIFTNET BEACON	QG52XI	WIA	
1860.0	0.1	2009	9	5	1020		A1A					IX9	IX9 DRIFTNET BEACON	QG52XI	WIA	
1860.0	0.1	2009	9	5	1020		A1A					BD2	BD2 DRIFTNET BEACON	QG52XI	WIA	
1860.7	0.1	2009	9	5	1020		A1A					UC3	UC3 DRIFTNET BEACON	QG52XI	WIA	
1865.0	0.1	2009	9	24	0920		A1A					Unid	GE0 DRIFTNET BEACON	QG52XI	WIA	
3551.0	0.1	2009	8	28	1007		A1A					Unid	X7BZ DE L5QRE	QG52XI	WIA	CHIRP, NOT HEAR
3577.8	3	2009	9	9	0835		J3E/U				INDO	Unid		QG52XI	WIA	
3618.0	3	2009	9	8	0850		J3E/U					Unid	CHINESE?	QG52XI	WIA	
7000.0	0.1	2009	9	21	2130		A1A				ISRAEL?	4XZ	VVV DE 4XZ BT BT	QG52XI	WIA	11 HZ INSIDE BAN
7017.3	3	2009	9	5	0850		J3E/U				INDO	Unid	VILLAGE RADIO	QG52XI	WIA	
7020.0	40	2009	9	12	1010		PXXX					Unid	OTHR	QG52XI	WIA	
7054.0	2	2009	9	21	2130		G7D					Unid	8 CARRIERS, INDEPENDENT TTY ON PAIRS, MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA	
7060.0	6	2009	9	24	0500-0530		A3E					Unid	COULD BE VOA SPUR	QG52XI	WIA	
7063.0	0.1	2009	9	8	0830-1030		A1A					Unid	MIXED LETTER NUMBER CIPHER	QG52XI	WIA	
7070.0	0.1	2009	8	25	0950		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	
7070.0	0.1	2009	9	6	0920-1010		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	
7070.0	0.1	2009	9	15	0900-0950		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	NIGHTLY SKED
7078.0	0.1	2009	9	24	0830		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	
7080.0	0.1	2009	9	23	0910		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	
7096.5	2	2009	9	10	0925		G7D					Unid	8 CARRIERS IN PAIRS,100 HZ PAIRS	QG52XI	WIA	
7100.0	50	2009	9	3	1020		A1A					Unid	CARRIER, VERY RAPID SWEEP (~ 2 PER SEC) OVER 50 KHZ	QG52XI	WIA	THERE SAME TIM
7109.7	3	2009	9	3	1020		J3E/U				INDO	Unid		QG52XI	WIA	
7110.0	3	2009	8	25	0945		J3E/U					Unid	ORIENTAL, FAMILY NET	QG52XI	WIA	
7115.0	0.1	2009	9	6	0900		A1A					Unid	CONTINUOUS LETTERS	QG52XI	WIA	FULL BREAK IN
7149.0	0.1	2009	8	25	0940		A1A					Unid	4 CHAR CIPHER GROUPS MIXED NUMBERS + LTRS	QG52XI	WIA	FULL BREAK IN, C
7170.0	3	2009	9	23	0900		J3E/U				INDO	Unid	FAMILY NET, ORIENTAL	QG52XI	WIA	SINGING

7175.0	50	2009	9	24	0750-0830	PXXX			Unid	OTHR	QG52XI	WIA		
7183.0	6	2009	9	22	2300	PXXX			Unid	OTHR, CARRIERS EVERY 100 HZ	QG52XI	WIA		
14000	3	2009	10	12		<23:08-00:30	J3E/U	315	CLN	Unid	2 males, on-off	OF84wx	WIA	
14000	3	2009	10	13		<23:00-23:55	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14000	3	2009	10	14		<23:20-23:40>	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14000	3	2009	10	15		08:28-09:15	J3/E/U	315	CLN	Unid	2 males, at 08:36 second group no qrm	OF84wx	WIA	
14000	3	2009	10	15		23:15-23:46	J3E/U	315	CLN	Unid	2 male	OF84wx	WIA	
14000.0	3	2009	8	25	0840		J3E/U		Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	FISHBOATS, ENGL	
14000.0	3	2009	9	13	0825-0930		J3E/U		Unid	ORIENTAL, SOUNDS INDONESIAN	QG52XI	WIA	MANY STATIONS,	
14000.0	0.1	2009	9	17	0820-0830		A1A	320	Unid	MIXED LETTER NUMBER CIPHER	QG52XI	WIA	SOME NON-ENGL	
14001.0	0.1	2009	9	9	0750		A1A		Unid	DATE WORK	QG52XI	WIA	FULL BREAK IN	
14001.2	3	2009	10	30		<23:45>	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14001.4	3	2009	9	13	1015-1030		J3E/U		Unid	ORIENTAL	QG52XI	WIA		
14003	3	2009	10	12		<23:08-23:20	J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14003	3	2009	10	19		23:30-24:00	J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14003.3	3	2009	10	21		23:25-24:00	J3E/L	315	CLN	Unid	Group of males	OF84wx	WIA	
14005	3	2009	10	23		<23:30-23:50	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14005	1	2009	10	1	0710>0745-		F1B	75	234	Unid	No decode	QF22ml	WIA	
14006.0	1	2009	9	17	0845		F1B	310	Unid	MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA		
14008.0	1	2009	9	3	0550		F1B	? ? 300	Unid	MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA		
14009.7	3	2009	8	28	0830-0900		J3E/L		Unid	ORIENTAL	QG52XI	WIA	NIGHTLY SKED, F	
14009.7	3	2009	9	4	0845-1030		J3E/L		Unid	ORIENTAL	QG52XI	WIA	NIGHTLY SKED	
14010.8	3	2009	10	1		00:00-00:30	J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14014.0	0.1	2009	9	13	0910		A1A		Unid	5 CHAR CIPHER LOTS OF NON-ENGLISH	QG52XI	WIA		
14015.3	3	2009	8	27	0715		J3E/U		Unid	ORIENTAL	QG52XI	WIA		
14015.8	0.1	2009	8	27	0650		A1A		Unid	5 CHAR CIPHER LOTS OF NON-ENGLISH	QG52XI	WIA		
14016.5	3	2009	10	1		<23:48>	J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14017.9	0.1	2009	9	18	0915		A1A	330	Unid	MIXED LETTER NUMBER CIPHER	QG52XI	WIA		

14019.7	3	2009	9	18	0900	J3E/U	300	Unid	CHINESE	QG52XI	WIA	
14025.0	50	2009	9	2	0950	PXXX	310	Unid	OTHR	QG52XI	WIA	
14026.9	3	2009	9	9	0800	J3E/U		Unid	CHINESE, FISHBOATS	QG52XI	WIA	
14028	3	2009	10	1		<23:45> J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14028	3	2009	10	7		<09:25> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14028	3	2009	10	9		<23:15-23:44> J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14028	3	2009	10	12		08:56-09:22 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14028	3	2009	10	13		<23:00> J3E//U	315	CLN	Unid	2 males	OF84wx	WIA
14028.0	0.3	2009	8	26	0740	F1B		Unid	250 HZ SHIFT, MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA	
					0830-0920	J3E/U		Unid	CHINESE, DAILY SKED	QG52XI	WIA	
14028.1	3	2009	9	1	2250	J3E/U		Unid	CHINESE, DAILY SKED	QG52XI	WIA	
14028.8	3	2009	9	18	0900	J3E/L	300	Unid	CHINESE	QG52XI	WIA	FAMILY NET
14030	3	2009	10	12		09:25-09:28 J3E/U	360	INS	Unid	2 males	OF84wx	WIA
14032.5	3	2009	10	14		<08:20> J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14032.5	3	2009	10	23		<00:05-00:25> J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14032.7	3	2009	10	29		<00:15> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14033	3	2009	10	15		<00:08-00:20> J3E/U	360	Unid	2 male, 1 female, Chinese	OF84wx	WIA	
14033.7	3	2009	8	28	0830	J3E/U		Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	
14034	3	2009	10	13		<23:57-00:20> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14034	3	2009	10	28		<0855> J3E/U	360	Unid	Male-female, Chinese	OF84wx	WIA	
14034.0	3	2009	8	28	0830	J3E/L		Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	NIGHTLY SKED
14034.0	3	2009	9	9	0900	J3E/L		Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	NIGHTLY SKED
14038	3	2009	10	2		<08:00> J3E/U	360	INS	Unid	2 males	OF84wx	WIA
14038	3	2009	10	4		00:20-00:50 J3E/U	315	CLN	Unid	2 males, on and off	OF84wx	WIA
14038	3	2009	10	15		<23:48-00:30> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14038	3	2009	10	20		23:55-00:02 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14038.0	3	2009	9	17	1020	J3E/U		Unid	CHINESE	QG52XI	WIA	
14038.0	3	2009	9	22	2250	J3E/U		Unid	CHINESE	QG52XI	WIA	
14038.9	3	2009	9	14	2330	J3E/U	60	Unid	ASIAN	QG52XI	WIA	
14040.0	3	2009	9	21	2330	J3E/U		PHIL	Unid	ASIAN, READING THE CLASSIFIED ADS	QG52XI	WIA
14040.0	6	2009	9	23	2200-2230	A3E		Unid	VOA TO INDONESIA - BAHASA?	QG52XI	WIA	
14040.2	3	2009	10	16		<23:15> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14041.0	3	2009	8	27	0730	J3E/U		Unid	ORIENTAL	QG52XI	WIA	

14045.0	1	2009	9	17	0805 2200-	F1B	300		Unid	MODEST BAUD RATE BUT NO DECODES	QG52XI	WIA	
14046.0	3	2009	9	9	0915	J3E/U			Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	SELCALL RADIOS
14046.2	3	2009	9	9	0910	J3E/U			Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	
14047.5	3	2009	10	2		<09:04> J3E//U	315	CLN	Unid	2 males	OF84wx	WIA	
14047.5	3	2009	9	21	2230	J3E/U			Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	
14048	3	2009	10	31		<01-17> J3E/U	360	INS	Unid	2 males	OF84wx	WIA	
14048.0	3	2009	9	5	2330 2155-	J3E/L		PHIL	Unid	FISHBOAT, ENGINE NOISE	QG52XI	WIA	
14048.1	3	2009	9	4	0045	J3E/U	300		Unid	INDO OR TAGALOG	QG52XI	WIA	
14049.7	3	2009	10	11		<23:20-23:40 09:05-09:15> J3E/L	360	INS	Unid	2 males	OF84wx	WIA	
14050	3	2009	10	19		J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14050.0	15	2009	9	12	0145	PXXX	300		Unid	OTHR,SHORT BURSTS	QG52XI	WIA	
14050.0	5	2009	9	16	1015	G7D			Unid	~20 CHARRIERS, 250 HZ SPACING, HIGH BAUD RATE	QG52XI	WIA	
14050.0	1	2009	8	26	0750	JX3	310		Unid	SSB, STEADY 50 HZ TONE MODULATION + AUDIO DISTORTION PRODCTS TO AROUND 1 K			
14053	3	2009	10	2		23:20-23:45 J3E/L	315	CLN	Unid	Group of males	OF84wx	WIA	
14055	3	2009	10	13		<08:10-08:22 08:18-08:25> J3E/U	360	INS	Unid	2 males	OF84wx	WIA	
14055	3	2009	10	27		<07:40-07:50> J3E/U	360	INS	Unid	1 female-no copy of opposite stn heard	OF84wx	WIA	
14055	3	2009	10	31		J3E/U	360	INS	Unid	Male-female pass coded msgs	OF84wx	WIA	
14055.0	3	2009	9	5	0100	J3E/U	315		Unid	ORIENTAL - SOUNDS CHINESE	QG52XI	WIA	FAMILY NET
14056.3	3	2009	10	16		<08:15> J3E/U	360		Unid	Male-female, Chinese	OF84wx	WIA	
14058.0	3	2009	9	21	2140	J3E/U	315		Unid	ORIENTAL - SOUNDS CHINESE	QG52XI	WIA	
14062.2	3	2009	9	7	2240	J3E/U			Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	
14064.0	0.1	2009	8	26	0730	N0N	310		Unid	CARRIER	QG52XI	WIA	
14064.7	3	2009	10	3		23:05-23:38 00:36-00:40 J3E/L	315	CLN	Unid	Group of males	OF84wx	WIA	
14064.9	3	2009	10	7		J3E/L	315	CLN	Unid	2 males	OF84wx	WIA	
14064.9	3	2009	9	17	0750	J3E/U			Unid	CHINESE	QG52XI	WIA	FAMILY NET
14065	6	2009	10	1		00:00-00:30 A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	2		00:00-00:30 A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	3		00:00-00:30 A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	4		00:00-00:30 A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	5		00:00-00:30 A3E	360	PHL	Unid	Re/broadcast of indonesian news service	OF84wx	WIA	

14065	6	2009	10	6	00:30	00:00-00:30	A3E	360	PHIL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	7	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	8	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	9	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	10	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Filipino news service	OF84wx	WIA	
14065	6	21009	10	11	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Filipino news service	OF84wx	WIA	
14065	6	2009	10	12	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	13	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	14	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	15	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	16	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	17	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	18	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	19	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	20	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	21	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	22	00:30	00:00-00:30	A3E	360	Phi	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	23	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	6	2009	10	24	00:30	00:00-00:30	A3E	360	PHL	Unid	Re/broadcast of Indonesian news service	OF84wx	WIA	
14065	0.1	2009	10	27	00:30	00:00-00:30	A1A	360		Unid	Carrier at S1 no modulation, exact time observed	OF84wx	WIA	
14065.0	6	2009	9	10	0000		A3E			Unid	VOA TO INDONESIA - BAHASA?	QG52XI	WIA	INTERMOD PRO
14065								360	PHL	Unid	Not heard!	OF84wx		
14067.7	3	2009	8	26	0755		J3E/L			Unid	ORIENTAL, SOUNDS CHINESE	QG52XI	WIA	FISHBOATS, ENG
14075	3	2009	10	5	0200-0230	<03:15-03:22	J3E/U	360	INS	Unid	2 males	OF84wx	WIA	
14075.0	6	2009	9	24			A3E			Unid	VOA TO INDONESIA - BAHASA?	QG52XI	WIA	

14078.3	0.1	2009	9	22	0730	A1A		F	F SINGLE LETTER BEACON	QG52XI	WIA	2ND HARMONIC OF
14080	3	2009	10	27		<08:30-08:55 J3E/L	360	Unid	1 male only no opposite stn heard	OF84wx	WIA	
14080.0	0.1	2009	9	24	0820	N0N		Unid		QG52XI	WIA	
14090.0	3	2009	8	27	0720	J3E/U		Unid	ORIENTAL - SOUNDS CHINESE	QG52XI	WIA	
14090.0	3	2009	9	8	0800	J3E/U	300	Unid	HEAVILY ACCENTED ENGLISH 1-2-3-4	QG52XI	WIA	
14091	3	2009	10	29		<23:10-00:25 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14091.5	3	2009	10	31		<23:00-01:25 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14091.7	3	2009	10	19		08:05-08:45 J3E/U	360	Unid	Male-female, Chinese	OF84wx	WIA	
14099	3	2009	10	14		<08:32> J3E/L	360	INS	Unid	2 males	OF84wx	WIA
14100	3	2009	10	13		<08:08-08:40 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14100	3	2009	10	31		<07:25-07:40 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14100	3	2009	10	31		<08:25-08:35 J3E/U	360	INS	Unid	Group of males	OF84wx	WIA
14100.0	3	2009	9	9	0720-0840	J3E/U	300	Unid	FAMILY NET, ORIENTAL	QG52XI	WIA	INTERFERES WITH
14100.0	6	2009	9	14	2200	A3E		Unid	VOA TO INDONESIA - BAHASA?	QG52XI	WIA	INTERMOD PROD
14101.0	3	2009	9	22	0820	J3E/U		CHINA	Unid	CHINESE 3 WAY ROUNDTABLE	QG52XI	WIA
14104.5	3	2009	10	3		08:42-09:02 J3E/U	360	Unid	Group of males, Chinese	OF84wx	WIA	
14106	3	2009	10	27		07:31-07:56 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14106.6	3	2009	9	22	0830	J3E/U		Unid	ASIAN	QG52XI		FISHBOATS, ENGL
14106.9	3	2009	10	26		<07:40> J3E/U	360	Unid	2 males, Chinese	OF84wx	WIA	
14110	3	2009	10	3		00:10-03:40 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14110	3	2009	10	3		<00:20> J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14110	3	2009	10	23		<00:32> J3E/U	360	Unid	2 males	OF84wx	WIA	
14110	3	2009	10	26		<23:15-00:15 J3E/U	315	CLN	Unid	2 males	OF84wx	WIA
14110	3	2009	10	27		<23:30-00:50 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14110	3	2009	10	28		<23:40-01:00 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14110	3	2009	10	28		<23:40> J3E/U	315	CLN	Unid	2 males, no qrm to other group	OF84wx	WIA
14110	3	2009	10	28		23:55-01:28 J3E/U	315	CLN	Unid	2 groups of males	OF84wx	WIA
14110.0	3	2009	9	22	0830	J3E/L		Unid	INDO OR TAGALOG	QG52XI	WIA	TELLING JOKES
14111	3	2009	10	27		<23:30-00:40 J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA
14111.0	3	2009	9	20	0510	J3E/L		Unid	SOUNDS INDO	QG52XI	WIA	

14112	3	2009	10	16		<23:12> <01:40- 01:49	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14114	3	2009	10	6			J3E/U	360	INS	Unid	2 males	OF84wx	WIA	
14115.0	6	2009	9	24	0000- 0200		A3E			Unid	VOA TO INDONESIA - BAHASA?	QG52XI	WIA	
14115.3	3	2009	9	21	0830		J3E/L		INDO	Unid	2 MALES	QG52XI	WIA	
14118.8	3	2009	9	24	0815		J3E/U			Unid	CHINESE >8 CARRIERS 50 HZ APART, ONLY SLIGHT DIFFERENCESIN PULSE RATE OVER TIME	QG52XI	WIA	FAMILY NET
14120.0	3	2009	9	9	0715		P7X			Unid		QG52XI	WIA	
14123	3	2009	10	18		<23:45>	J3E/U	315	CLN	Unid	2 males	OF84wx	WIA	
14123.4	3	2009	10	28		<23:18> 23:50- 00:03	J3E/U	315	CLN	Unid	Group of males	OF84wx	WIA	
14127.4	3	2009	10	14		07:20- 07:25>	J3E/U	360		Unid	2 male-1 female, Chinese	OF84wx	WIA	
14130	3	2009	10	17		<23:30- 00:00	J3E/U	360	INS	Unid	2 males,1 female	OF84wx	WIA	
14131.3	3	2009	10	22		22:30- 24:00	J3E/U	360		Unid	Male-female, Chinese	OF84wx	WIA	
14135	6	2009	10	1		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	2		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	3		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	4		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news service	OF84wx	WIA	
14135	6	2009	10	5		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast Filipino news services	OF84wx	WIA	
14135	6	2009	10	6		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	7		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	8		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news service	OF84wx	WIA	
14135	6	2009	10	9		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	10		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	11		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	12		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	13		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	14		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	15		22:30- 24:00	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	
14135	6	2009	10	16		22:30-	A3E	360	PHL	Unid	Re/broadcast of Filipino news services	OF84wx	WIA	

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										RATE					
14221.0	0.3	2009	9	21	2200	F1B			Unid	HIGH BAUD RATE, NO DECODES	QG52XI	WIA			
14228.0	1	2009	9	9	0700	F1B	250		Unid	HIGH BAUD RATE, NO DECODES	QG52XI	WIA			
14240.0	1	2009	9	24	0730	F1B	250		Unid	MODEST BAUDRATE, NO DECODES	QG52XI	WIA			
14250	6	2009	10	15		Dy A3E	360	ROK	Unid		OF84wx	WIA			
14250	6	2009	10	21		Dy A3E	360	ROK	Unid		OF84wx	WIA			
14250	6	2009	10	28		<0850> A3E	360	ROK	Unid		OF84wx	WIA			
14250	6	2009	10	28		<23:00> A3E	360	ROK	Unid		OF84wx	WIA			
14250.0	6	2009	9	21	2100-0830-0808-0900-0700-0808	A3E	310	KRE	Unid	NKR	QG52XI	WIA			
14259.0	6	2009	9	24		PXXX	315		Unid	OTHR	QG52XI	WIA			
14259.8	0.1	2009	9	24		N0N	315		Unid		QG52XI	WIA	SEEMED TO BE R		
14265.0	3	2009	9	21	2200	J3E/U			Unid	ORIENTAL, FISHBOATS, ENGINE NOISE	QG52XI	WIA	3 STATIONS		
14265.0	3	2009	9	21	0825	J3E/U			Unid	ORIENTAL, FAMILY NET	QG52XI	WIA			
14275.7	3	2009	10	5		<08:10-08:46 J3E/U	360		Unid	2 males, Chinese	OF84wx	WIA			
14277.5	3	2009	10	29		00:30-00:43 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	1		01:04-01:05 J3E/U	360	INS	Unid		OF84wx	WIA			
14277.7	3	2009	10	2		01:14-01:18 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	3		01:44-01:48 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	5		00:55-01:25 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	6		01:33-01:39 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	7		01:10-01:14 J3E/U	360	INS	Unid	Male-female, pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	11		00:52-00:55 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	12		00:53-00:54 J3E/U	360	INS	Unid	1 male calling no reply	OF84wx	WIA			
14277.7	3	2009	10	13		01:04-01:06 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	13		01:12-01:23 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	14		00:48-01:07 J3E/U	360	INS	Unid	2 males, 1 female pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	14		01:30-01:34 J3E/U	360	INS	Unid	male-female, pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	14		01:45-01:47 J3E/U	360	INS	Unid	male-female, pass coded msgs	OF84wx	WIA			
14277.7	3	2009	10	15		00:35-00:35 J3E/U	360	INS	Unid	2 males pass coded msgs	OF84wx	WIA			

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14333.3	3	2009	9	23	2145	J3E/U			Unid	CHINESE, 3 MALES	QG52XI	WIA	
14335.0	6	2009	9	24	0000	A3E			Unid		QG52XI	WIA	
14340.0	6	2009	9	24	2200-2230	A3E			Unid	VOA SPUR	QG52XI	WIA	
10100		2009	10	018	<06:04>	0604	F1B		?	Unid	RTTY Commercial grade Encrypted	RF73MF	NZART
10110		2009	10	03	<05:27>	0527-0539	PXX		AUS	Unid	OTHR SuperDarn Bruny Suspected - Tasmania - S7	RF73MF	NZART
10111.6	3	2009	10	02	<05:47>	0547-0550	PXX		?	Unid	OTHR SuperDarn Bruny Suspected - Tasmania - S7	RF73MF	NZART
10112		2009	10	02	<05:34>	0534-0547	PXX		?	Unid	OTHR SuperDarn Bruny Suspected - Tasmania - S7	RF73MF	NZART
10112		2009	10	26	<04:38>	0438	PXX		AUS	Unid	OTHR SuperDarn Bruny Suspected - Tasmania - S7	RF73MF	NZART
10113		2009	10	03	<0522>	0522	J3E/U		?	Unid	Japanese or Indonesian speaking - no call signs	RF73MF	NZART
10113		2009	10	03	<05:27>	0527-0539	PXX		AUS	Unid	OTHR S7 SuperDarn?	RF73MF	NZART
10113	5	2009	10	27	<06:24>	0624-0730	VXX		?	Unid	CODAR Phase Modulated S6	RF73MF	NZART
10121	2	2009	10	26	<03:49>	0349	PXX		CYP	Unid	OTHR Cypriot	RF73MF	NZART
10123		2009	10	26	<04:38>	0438	PXX		CHN	Unid	OTHR Chinese Beijing Buzzard S6	RF73MF	NZART
10126.7		2009	10	02	<09:55>	0955-2214	PXX		AUS	Unid	OTHR Ionospheric Sounder - Gattling gun sound - Bruny Island SuperDARN	RF73MF	NZART
10128		2009	10	02	<23:14>	2314-0205	PXX		AUS	Unid	OTHR Ionospheric Sounder - Gattling gun sound - Bruny Island SuperDARN	RF73MF	NZART
10128.5		2009	10	02	<08:00>	0800	XXX		?	Unid	Squall unidentified signal	RF73MF	NZART
13992.5		2009	10	20	<21:45>	2145	PXX		RUS	Unid	S7 OTHR	RF80HL	NZART
13997		2009	10	26	<03:19>	0319	PXX		RUS	Unid	OTHR S6	RF73MF	NZART
14000		2009	10	DY		HX24	J3E		INS	Unid	Non-Amateurs	RF72LQ	NZART
14000		2009	10	12	<10:00>	1000	J3E		RUS	Unid	S9 60Hz SSB Location Alaska/Russian VE - jamming signal	RF80HL	NZART
14000		2009	10	22	<22:30>	2230-0202	N0N		?	Unid	Carrier permanently on this frequency, never been identified	RF72IS	NZART
14002	2.8	2009	10	31	<05:06>	0506	PXX		?	Unid	OTHR S7	RF73MF	NZART
14003		2009	10	26	<01:47>	0147	PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
14005.8		2009	10	01	<05:54>	0554	F1B		RUS	Unid	S5 RTTY	RF80HL	NZART
14006		2009	10	01	<07:05>	0705-0745	F1B	250	?	Unid	Encrypted	RF72LQ	NZART
14006		2009	10	08	<06:50>	0650-0700	F1B	250	?	Unid	Encrypted	RF72LQ	NZART
14006		2009	10	29	<06:00>	0600-0700	F1B	250	?	Unid	Encrypted	RF72LQ	NZART
14006		2009	10	29	<09:00>	0900-0942	F1B		?	Unid	RTTY Commercial grade	RF80HL	NZART
14007.5		2009	10	06	<11:47>	1147-1230	F1B	75 250	?	Unid	Encrypted	RF72IS	NZART
14018		2009	10	28		<0202-	J3E/U		UNID	UNID	FAMILY TALK; YL USED "ROGER"; ENGLISH	MK82	ARSI

					0205>				USED.			
					<1130-1140>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
14020		2009	10	30								
14036		2009	10	09	<09:35>	0935 F1B		?	Unid	S7 Fast Commercial RTTY	RF80HL	NZART
					0630-							
14050		2009	10	24	<06:30>	0700 F1B	250	?	Unid	Encrypted	RF72LQ	NZART
14054	8	2009	10	02	<19:54>	1954 P0N		?	Unid	OTHR S7	RF73MF	NZART
14056		2009	10	26	<01:47>	0147 PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
										Chirp 1 Second S8 then bursts into RTTY stream		
14085		2009	10	26	<03:29>	0329 F1B		?	Unid	- guarding frequency? Ham Packet?	RF73MF	NZART
14107.5	7	2009	10	02	<19:56>	1956 P0N		?	Unid	OTHR S7	RF73MF	NZART
14108		2009	10	26	<01:47>	0147 PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
14110		2009	10	DY		HX24 J3E		?	Unid	NON-AMATEUR STNS	RF72LQ	NZART
					0655-							
14120		2009	10	08	<06:55>	0710 A2N		?	Unid	TONE MOD. CARRIERS - 16	RF72LQ	NZART
					<1239-1245>	J3E/U						
14141.3		2009	10	30				CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
14159.5	7	2009	10	02	<19:58>	1958 P0N		?	Unid	OTHR S7	RF73MF	NZART
14195		2009	10	17	<04:30>	0430 J3E		?	Unid	S3 YL JOTA station suspected	RF81WM	NZART
14200	10	2009	10	15	<03:38>	0338 PXX		CHN	Unid	OTHR Horn Blowing 58 PPS	RE66M	NZART
14201	2	2009	10	15	<11:05>	1105 P0N		?	Unid	OTHR 59.2 PPS New One on me	RF72IS	NZART
					0028-					OTHR 67.3 PPS, 5 seconds, TX, 32 seconds,		
14203.5	13	2009	10	15	<00:28>	1228 P0N		?	Unid	silent	RF72IS	NZART
										Waban Morse - two old gentlemen - recorded for		
14204.5		2009	10	09	<08:35>	08:35 A1A		JPN	Unid	posterity purposes	RF80HL	NZART
14212.25	7.5	2009	10	02	<19:59>	1959 P0N		?	Unid	OTHR S7	RF73MF	NZART
14213		2009	10	26	<01:47>	0147 PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
					0200-							
14215	30	2009	10	10	<02:00>	0245 PXX		?	Unid	OTHR 4 SEC BURST EVERY 1 MIN.	RF72LQ	NZART
14215	30	2009	10	12	<02:10>	0210 PXX		?	Unid	OTHR 4 SEC BURST EVERY 1 MIN.	RF72LQ	NZART
					0350-							
14221		2009	10	02	<03:50>	0450 F1B	500	?	Unid	Idle signals only	RF72LQ	NZART
					0540-							
14240	3.3	2009	10	10	<05:45>	0615 M7B		?	Unid	16 channel, phase mod.	RF72LQ	NZART
14242	3.3	2009	10	26	<07:00>	0700 M7B		?	Unid	16 channel	RF72LQ	NZART
14250		2009	10	DY	<07:30>	0730 A3E		KRE	R. Voice of Korea	B.C. Stn. Pyongyang.	RF72LQ	NZART
					<1239-1245>	J3E/U						
14252.5		2009	10	30				CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
14265		2009	10	26	<01:47>	0147 PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
14280		2009	10	DY	<07:30>	0730 A3E		?	Unid	2f of 7140 kHz.	RF72LQ	NZART
14319		2009	10	26	<01:47>	0147 PXX		RUS	Unid	OTHR S6-S7	RF73MF	NZART
					0240-					2.5 Seconds buzzing 30 second intervals S9 270		
18071.26		2009	10	01	<02:40>	0247 PXX	270	?	Unid	through to 90	RF80HL	NZART
18138	3.3	2009	10	30	<04:00>	0400- M7B		?	Unid	MULTI-CHNL PHASE MOD.	RF72LQ	NZART

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3560	5	2009	10	01	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	01	1300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	01	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	01	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	01	1600	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	01	1700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	01	1800	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	02	0842	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	10	02	0910	A3E	321	RUS	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	10	02	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	02	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	02	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	02	1300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	02	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	02	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	02	1600	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	02	2040	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	10	02	2210	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	03	0908	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	10	03	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	03	1110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	03	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	03	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	03	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	03	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	03	1600	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	03	1720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	03	2038	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	03	2106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	04	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	10	04	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	04	1112	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	04	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	04	1300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	04	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	04	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	04	1600	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	04	1700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	04	2038	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	2	2009	10	04	2136	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang

3560	3	2009	10	05	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	10	05	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	05	1108	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	05	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	05	1306	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	05	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	05	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	05	2032	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	05	2106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	05	2210	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	06	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	06	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	06	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	06	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	06	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	06	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	06	2136	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	07	1214	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	07	1308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	07	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	07	1500	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	07	1600	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	07	1700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	07	2030	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	07	2100	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	10	20	2040	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	21	0928	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	21	1008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	21	1108	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	21	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	21	1300	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	21	1810	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	21	1900	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	10	21	2030	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	21	2120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	21	2230	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	22	0840	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	22	0918	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	22	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	22	1300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang

3560	5	2009	10	22	1406	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	22	2024	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	22	2106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	22	2204	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	23	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	23	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	23	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	23	1308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	23	2036	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	23	2114	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	23	2216	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	24	0830	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	10	24	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	24	1008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	24	1104	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	24	1202	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	24	1300	anytime A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	24	1924	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	10	24	2016	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	24	2106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	24	2204	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	10	25	0810	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	10	25	0916	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	10	25	1006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	25	1946	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	10	25	2002	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	25	2114	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	28	1236	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	28	1424	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	10	28	1708	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	28	1940	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	10	28	2106	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	10	29	0806	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	29	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	29	1004	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	29	1114	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	10	29	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	10	29	1302	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	29	1834	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	10	29	1926	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang

3560	5	2009	10	29	2034	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang		
3560	5	2009	10	29	2134	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
3560	3	2009	10	29	2220	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang		
3560	3	2009	10	30	0936	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	5	2009	10	30	1006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	5	2009	10	30	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
3560	5	2009	10	30	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	5	2009	10	30	1302	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
3560	5	2009	10	30	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang		
3560	5	2009	10	30	2022	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang		
3560	5	2009	10	30	2134	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
3560	3	2009	10	30	2244	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang		
3560	3	2009	10	31	0730	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	3	2009	10	31	0808	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
3560	3	2009	10	31	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	3	2009	10	31	1004	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	5	2009	10	31	1118	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
3560	5	2009	10	31	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
3560	5	2009	10	31	1302	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
3560	5	2009	10	31	1934	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang		
3560	3	2009	10	31	2114	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang		
3560.5		2009	10	07	<09:20>	0920 0930- 0945	A3E		KRE	R. Voice of Korea	B-C Station S7	RF80HL	NZART	
3560.5		2009	10	07	<09:30>		A3E		KRE	R. Voice of Korea	B-C Station S7 Pyoingyang North Korea	RE66IM	NZART	
3639		2009	10	DY		HX24	F1D			Unid	RadioDet Beacon Tinakori Hill, Wellington, NZ - appears to be harmonic	RF74CI	NZART	Needs investigating
3658		2009	10	DY		HX24	A1A		RUS	Unid	Sending constant stream of V's - Russian Beacon Khiva	RF72IS	NZART	
6963.5	87	2009	10	04	<18:20>	1820- 1835	PXX		CHN	Unid	OTHR Beijing Buzzard S9	RE66IM	NZART	
7000		2009	10	01	<10:15>	1015 0932- 0948- 1400	J3E/L		INS	Unid	Indonesian Pirates as usual	RF72IS	NZART	
7000		2009	10	02	<09:32>	1100 0948- 1400	J3E/L		INS	Unid	Indonesian Pirates again	RF72IS	NZART	
7000		2009	10	03	<09:48>	0942- 1107	J3E/L		INS	Unid	Indonesian Pirates again	RF72IS	NZART	
7000		2009	10	04	<09:42>	0955- 1130	J3E/L		INS	Unid	Indonesian Pirates again	RF72IS	NZART	
7000		2009	10	06	<09:55>	0943- 1155	J3E/L		INS	Unid	Indonesian Pirates as usual	RF72IS	NZART	
7000		2009	10	10	<10:50>	1050	J3E/L		INS	Unid	Same old gang of Indonesian pirates	RF72IS	NZART	
7000		2009	10	13	<09:53>	0953-	J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART	

						1012							
7000		2009	10	18	<12:32>	1232-1310 0928- J3E/L		INS	Unid	Indonesian Pirates again, as usual, always, for ever, never ending	RF72IS	NZART	
7000		2009	10	19	<09:28>	1020 0915- J3E/L		INS	Unid	Its them again! Indonesian Pirates	RF72IS	NZART	
7000		2009	10	20	<09:15>	1020 HX24 J3E/L		INS	Unid	Guess who? Indonesian Pirates	RF72IS	NZART	
7000		2009	10	DY		HX24 J3E/L		INS	Unid	non Amateurs	RF72LQ	NZART	
7000		2009	10	DY		HX24 J3E/U		INS	Unid	non Amateurs	RF72LQ	NZART	
7000	175	2009	10	DY	<18:00>	1800-1945 PXX		CHN	Unid	CHINESE OTHR 6850-7025KHZ	RF72LQ	NZART	
7000		2009	10	22	<09:38>	0938-1130 J3E/L		INS	Unid	Indonesian Pirates, as usual	RF72IS	NZART	
7000		2009	10	25	<09:39>	0938 J3E/L		INS	Unid	Indonesian Pirates again	RF72IS	NZART	
7000		2009	10	26	<09:50>	0950 J3E/L		INS	Unid	Indonesian Pirates, who else?	RF72IS	NZART	
7000		2009	10	27	<10:16>	1016 J3E/L		INS	Unid	Indonesian Pirates again and again	RF72IS	NZART	
7000		2009	10	28	<09:33>	0933-1210 J3E/L		INS	Unid	What a surprise, Indonesian Pirates	RF72IS	NZART	
7000		2009	10	29	<09:33>	1125 J3E/L		INS	Unid	None other than Indonesian Pirates	RF72IS	NZART	
7001		2009	10	19	<11:15>	1115 J7D		CHN	Unid	4+4 (4 plus 4) not 4x4, Chinese military system	RF72IS	NZART	
7001.5	3	2009	10	01	<10:15>	1015 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7001.5		2009	10	27	<11:04>	1104-1130 J7D		CHN	Unid	4+4 Chinese Military system	RF72IS	NZART	
7002		2009	10	28		<1206-1210> J3E/U		INS	UNID	NON HAM 2 MALES IN QSO.	MK82	ARSI	
7002	4	2009	10	09	<11:45.	1145 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7002.5	5	2009	10	02	<09:32>	0932-1100 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7003	6	2009	10	17	<11:02>	1102 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7003.5	7	2009	10	13	<09:53>	0953-1012 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7004	8	2009	10	12	<10:12>	1012-1040 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7004.5	9	2009	10	03	<12:50>	1250-1400 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7004.5	9	2009	10	15	<09:47>	0947 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7004.5	9	2009	10	19	<09:28>	0928-0931 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7005		2009	10	28		<1206-1210> J3E/U		INS	UNID	NON HAM 2 MALES IN QSO.	MK82	ARSI	
7005		2009	10	28	<08:00>	0800-0810 J3E/L		IND	Unid	Male & Female Voice	RF80HL	NZART	
7005	10	2009	10	18	<11:19>	1119-1310 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7005.5	11	2009	10	23	<09:50>	0950-1107 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	

7005.5	11	2009	10	29	<09:33>	0933-1125	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
						1018-1125	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	05	<10:18>	0955-1130	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	06	<09:55>	0958	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	10	<09:58>	0931-1110	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	11	<09:31>	0943-1110	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	14	<09:43>	0935	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	20	<09:35>	0935-1305	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	21	<0935>	0930-1053	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7006	12	2009	10	30	<09:30>	1003	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7007	14	2009	10	24	<10:03>	1007-1149	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7007	14	2009	10	31	<10:07>	1016	J3E		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7007.8		2009	10	13	<10:16>	0424	F1B		INS	Unid	Asian voices R3/S5	RF80HL	NZART						
7008		2009	10	27	<0424>	0933	P0N		?	Unid	S6/S7	RF73GG	NZART						
7009	18	2009	10	26	<09:33>	<1200-1205>	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7010		2009	10	30		<1200-1205>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI						
7010		2009	10	30		<1200-1205>	J3E/U		INS	UNID	NON HAM INDONESIAN QSOs	MK82	ARSI						
7011		2009	10	01		<0940-0950>	J3E/L		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI						
7011		2009	10	28		<1206-1210>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI						
7011		2009	10	30		<1150-1156>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI						
7011	22	2009	10	04	<09:42>	0942	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7011.5	23	2009	10	22	<10:15>	1015	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART						
7012	3	2009	10	29		<0235-0245>	A3E		IND	UNID	HINDI NEWS—IM PRODUCT RADIO	MK82	ARSI						
7012.5		2009	10	01		<0200-0211>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI						
7020	20	2009	10	12	<18:10>	1840-1855	PXX		?	Unid	OTHR 2 PPS	RF72LQ	NZART						
7020	15	2009	10	29	<16:50>	1650	VXX		?	Unid	CODAR Blurping	RF80HL	NZART						
7020	3.3	2009	10	31	<19:30>	1930-1950	M7B		?	Unid	16 CHNLS	RF72LQ	NZART						
7021.5		2009	10	28	<11:15>	1115-1209	F1B	75 250	?	Unid	Encrypted then Rys until going off air, possibly Russian	RF72IS	NZART						
7022	36	2009	10	28	1704		PXX		non	non	7004KHz ~ 7040KHz wide Pulse Mode PXX OTHR ?	JARL	non						

7022	36	2009	10	29	1922	PXX	non	non	non	7004KHz ~ 7040KHz wide Pulse Mode PXX OTHR ?	JARL	non
7023		2009	10	01	<0940-0952>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7024.4		2009	10	28	<1210-1216>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7025		2009	10	30	<1156-1205>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7025		2009	10	31	<0231-0238>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7030	3.3	2009	10	12	<19:00>	1930 M7B		?	Unid	16 CHNLS - PHASE MOD.	RF72LQ	NZART
7030	3.3	2009	10	31	<19:30>	1930 M7B		?	Unid	16 CHNLS	RF72LQ	NZART
7031		2009	10	28	<1210-1216>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7038	36	2009	10	31	1930	PXX	non	non	non	7120KHz ~ 7156KHz wide Pulse mode PXX OTHR ?	JARL	non
7038.2		2009	10	18	<11:14>	1114 A1A		RUS	F	Beacon F From Vladivostok, Russia	RF72IS	NZART
7038.4		2009	10	18	<11:15>	1115 A1A		RUS	M	Beacon M From Magadan, Russia	RF72IS	NZART
7038.9		2009	10	18	<11:13>	1113 A1A		RUS	S	Beacon S From Severomorsk, Russia	RF72IS	NZART
7039		2009	10	10	<10:33>	10:33 A1A		RUS	V	Beacon V Have not heard this one for a long time - Khiva	RF72IS	NZART
7039		2009	10	DY		H24 A1A		RUS	A	Beacon A	RF72LQ	NZART
7039	0.5	2009	10	01	0242	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	0822	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	0902	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1002	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1102	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1202	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1204	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1402	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1404	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1502	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1504	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1602	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1604	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	01	1702	A1A	15	RUS	M--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	1704	A1A	314	RUS	K--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	1802	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	2238	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2009	10	01	2240	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	01	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	01	2308	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	0242	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	0832	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	0834	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	0902	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	0904	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	1002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	1004	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	1102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	1104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	1202	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	1204	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	1302	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	02	1402	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	02	1502	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	1602	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	2042	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	2044	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	2132	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	2134	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	2206	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	2208	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	02	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	02	2306	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	0242	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	0334	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	0702	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	0704	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	0806	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	0902	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	0904	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	1004	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1202	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1306	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2009	10	03	1402	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1502	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1602	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	1722	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	2040	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	2102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	2206	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	03	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	03	2304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	0140	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0702	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0704	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	0802	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0804	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	0902	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	0904	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	1004	anytime A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1106	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1204	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	1304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1402	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1502	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1602	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	1702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	2040	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	2044	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	2132	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	2134	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	2206	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	04	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	04	2304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	0330	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	0700	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	0702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2009	10	05	0802	anytime	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	0804		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	0902		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	1002		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	1102		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	1202		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	1302		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	1304		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	1402		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	1404		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	1502		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	2034		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	2036		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	05	2102		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	2104		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	2206		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	2208		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	05	2304		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	05	2306		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	0142		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	0232		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	0234		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	0322		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	0324		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	0702		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	0704		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	1002		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	1004		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	1102		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	06	1202		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	1204		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	1306		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	06	1308		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	06	2134	anytime	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	2208		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	06	2210		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	0702		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	0802		A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	0804		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	07	1102		A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2009	10	07	1104	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	07	1206	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	1208	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	07	1304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	1306	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	07	1402	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	1502	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	1504	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	07	1602	A1A	15	KRE	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	1702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	2032	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	2102	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	2206	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	07	2302	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	19	1802	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	19	1804	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	20	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	20	0304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	20	2032	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	20	2034	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	20	2136	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	20	2138	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	20	2206	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	20	2208	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	20	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	20	2304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	0104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	0334	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	0702	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	0802	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	0922	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	0924	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	1004	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1102	anytime A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	21	1104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1202	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1302	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1812	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2009	10	21	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	21	1902	A1A	15	RUS	K--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	1904	A1A	314	RUS	M--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	21	2032	A1A	314	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	2122	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	2232	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	21	2306	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	0002	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	0302	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	0702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	0822	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	0824	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	22	1204	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	1206	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	22	1302	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	22	1408	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	22	2022	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	22	2102	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	2206	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	22	2304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	0002	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	0332	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	0702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	0802	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	0912	A3E	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	1102	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	1202	anytime A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	23	1306	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	2032	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	2034	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	23	2112	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	2212	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	23	2306	A3E	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	0332	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	0702	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	0822	A1A	15	KRE	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	0912	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	0914	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	24	1002	A1A	15	RUS	M--signal	Beacon	JARL	Magadan

7039	0.5	2009	10	24	1004	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	24	1922	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	2014	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	2104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	24	2304	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	25	0002	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	25	0804	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	25	1004	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	28	1706	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	28	2104	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	29	0802	A1A	321	RUS	F--signal	Beacon	JARL	V
7039	0.5	2009	10	29	1832	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	10	29	2218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	29	2308	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	0002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	0702	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	0802	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	10	30	1104	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	31	0720	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	31	1922	A1A	15	RUS	M--signal	Beacon	JARL	Magadan
7039	0.5	2009	10	31	1924	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039.0		2009	10	DY		H24 A1A		RUS	C	Moscow H.Q. Beacon C	RF72LQ	NZART
7039.3		2009	10	DY		H24 A1A		RUS	K	Petropavlovsk Kamchatskiy Beacon K	RF72LQ	NZART
7039.4		2009	10	10	<10:34>	1034 A1A		RUS	M	Magadan Beacon M	RF72IS	NZART
7039.4		2009	10	DY		H24 A1A		RUS	M	Magadan Beacon M	RF72LQ	NZART
7039.7		2009	10	DY		H24 A1A		RUS	D	Sevastopol. Beacon D	RF72LQ	NZART
7039.9		2009	10	10	<10:35>	1035 A1A		RUS	S	Severomorsk Beacon S	RF72IS	NZART
7039.9		2009	10	DY		H24 A1A		RUS	S	Severomorsk Beacon S	RF72LQ	NZART
7040		2009	10	02	<19:54>	1954 N0N		?	Unid	Tick Tick Chirps - Guarding frequency?	RF73MF	NZART
7050	3	2009	10	01		<0212-0235> A3E		IND	CHENNAI	IM-PRODUCT OF AIR-CHENNAI	MK82	ARSI
7050	3	2009	10	31		<0220-0235> A3E		IND	CHENNAI	IM-PRODUCT OF ALL INDIA RADIO-CHENNAI	MK82	ARSI
7050	50	2009	10	25	<18:10>	1810-1830 PXX		CHN	Unid	O.T.H.R.	RF72LQ	NZART
7051.4		2009	10	28		<0216-0225> J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	MK82	ARSI
7051.5	103	2009	10	26	<09:50>	0950-1105 P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART
7054		2009	10	DY	<02:45>	0245- F1B	250	RUS	Unid	Idling sigs only	RF72LQ	NZART

[illegible]

7100	5	2009	10	04	2042	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	10	07	2034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	5	2009	10	20	2030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	10	21	1816	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	5	2009	10	21	1906	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	21	2034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	5	2009	10	22	2020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	5	2009	10	24	1920	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	24	2010	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	25	1944	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	25	2000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	10	28	1942	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	29	1830	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	5	2009	10	29	1920	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	5	2009	10	29	2030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	10	31	1920	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7105		2009	10	02	<19:45>	1945 A3A		BLR	R.Belarus PBS Nei	BC Station S6	RF73MF	NZART
7105	5	2009	10	01	2236	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	10	01	2300	A3E	321	CHN	PBS Nei Meng	ChineseTalk and Music 23:00UTC Time signal 5+1 3sec late QRT no modulation	JARL	Hohhot
7105	5	2009	10	02	2155	A0A	non	non	non	time Audio test	JARL	non
7105	5	2009	10	02	2159	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 21:59:50 UTC Program start	JARL	Hohhot
7105	5	2009	10	02	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 22:00 UTC Time signal 5 +1 3sec late	JARL	Hohhot
7105	3	2009	10	02	2200	A3E	non	CHN	non	Chinese Talk and Music no time signal Program start	JARL	non
7105	5	2009	10	02	2259	A3E	273	CHN	PBS Nei Meng	Chinese TalkandMusic 23:00 UTCTimesignal 5+1 3sec late QRT	JARL	Hohhot
7105	1	2009	10	03	2155	A0A	non	non	non	no modulation time Audio test	JARL	non
7105	5	2009	10	03	2159	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 21:59:55 Program start	JARL	Hohhot
7105	5	2009	10	03	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 22:00 UTC Time signal 5+1 3sec late	JARL	Hohhot
7105	3	2009	10	03	2200	A3E	non	CHN	non	Chinese Talk and Music no time signal Program start	JARL	non
7105	5	2009	10	03	2259	A3E	273	CHN	PBS Nei Meng	Chinese TalkandMusic 23:00UTCTimesignal 5+1 2sec late?QRT	JARL	Hohhot
7105	1	2009	10	04	2155	A0A	non	non	non	no modulation time Audio test	JARL	non
7105	5	2009	10	04	2159	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 21:59:48 UTC Program start	JARL	Hohhot

7105	5	2009	10	04	2200		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 5 + 1 3sec late	22:00 UTC Time signal	JARL	Hohhot
7105	3	2009	10	04	2200		A3E	non	non	non	Chinese Talk and Music		JARL	non
7105	5	2009	10	04	2259		A3E	273	CHN	PBS Nei Meng	Chinese TalkandMusic 23:00UTC	Time signal 5+1 3sec late QRT	JARL	Hohhot
7105	1	2009	10	05	2155		A0A	non	non	non	no modulation	same	JARL	non
7105	5	2009	10	05	2159		A3E	273	CHN	PBS Nei Meng	time Audio test		JARL	non
7105	5	2009	10	05	2200		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:59:50 UTC	JARL	Hohhot
7105	3	2009	10	05	2202		A3E	non	CHN	non	Program start		JARL	non
7105	5	2009	10	05	2300	anytime	A3E	273	CHN	PBS Nei Meng	Chinese TalkandMusic 23:00 UTC	Timesignal 5+1 3sec late QRT	JARL	Hohhot
7105	1	2009	10	06	2155		A0A	non	non	non	no modulation	21:53:48 UTC same	JARL	non
7105	1	2009	10	06	2158		A0A	non	non	non	time Audio test		JARL	non
7105	5	2009	10	06	2159		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:55:08 UTC on air	JARL	non
7105	5	2009	10	06	2200		A3E	273	CHN	PBS Nei Meng	Program start	21:59:52 UTC	JARL	Hohhot
7105	3	2009	10	06	2200		A3E	non	non	non	Chinese Talk and Music		JARL	non
7105	1	2009	10	07	2155		A0A	non	non	non	signal 5+1 3sec late		JARL	non
7105	5	2009	10	07	2159		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	22:00 UTC Time	JARL	Hohhot
7105	5	2009	10	07	2200		A3E	273	CHN	PBS Nei Meng	Program start		JARL	Hohhot
7105	3	2009	10	07	2204	anytime	A3E	non	CHN	non	Chinese Talk and Music	22:00 UTC Time signal	JARL	Hohhot
7105	5	2009	10	07	2300		A3E	273	CHN	PBS Nei Meng	5+1 2sec ? late		JARL	non
7105	1	2009	10	20	2155		A0A	non	non	non	Chinese talk and Music	Chinese TalkandMusic 23:00UTC	JARL	Hohhot
7105	5	2009	10	20	2158		A3E	273	CHN	PBS Nei Meng	5+1 2sec lateQRT		JARL	non
7105	5	2009	10	20	2200		A3E	273	CHN	PBS Nei Meng	unknown	sometimes audio test	JARL	non
7105	5	2009	10	20	2300		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:58:15 UTC Program start	JARL	Hohhot
7105	5	2009	10	21	2234		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	22:00 UTC Time signal	JARL	Hohhot
7105	3	2009	10	21	2236		A3E	non	CHN	non	5+1 3sec late		JARL	Hohhot
7105	5	2009	10	21	2300		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	23:00UTC	JARL	Hohhot
7105	3	2009	10	21	2300		A3E	non	CHN	non	5+1 3sec late QRT		JARL	non
7105	1	2009	10	22	2155		A0A	non	non	non	Chinese Talk and Music	no time	JARL	non
											signal QRT	same		
											no modulation			
											time Audio test			

7105	5	2009	10	22	2158	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:58:10 UTC	JARL	Hohhot
7105	5	2009	10	22	2200	A3E	273	CHN	PBS Nei Meng	Program start	22:00 UTC Time	JARL	Hohhot
7105	3	2009	10	22	2200	A3E	non	non	non	Chinese Talk and Music	no time signal	JARL	non
7105	5	2009	10	22	2300	A3E	273	CHN	PBS Nei Meng	Program start	23:00UTCTimesignal	JARL	Hohhot
7105	5	2009	10	23	2208	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	5+1 3sec late QRT	JARL	Hohhot
7105	3	2009	10	23	2210	A1A	non	CHN	non	Chinese Talk and Music		JARL	non
7105	5	2009	10	23	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	23:00UTCTimesignal	JARL	Hohhot
7105	1	2009	10	24	2155	A0A	non	non	non	5+1 3sec late QRT	no modulation	JARL	non
7105	5	2009	10	24	2158	A3E	273	CHN	PBS Nei Meng	time Audio test	same	JARL	non
7105	5	2009	10	24	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:58:20 UTC	JARL	Hohhot
7105	5	2009	10	24	2200	A3E	273	CHN	PBS Nei Meng	Program start	22:00 UTC Time	JARL	Hohhot
7105	3	2009	10	24	2200	A3E	non	CHN	non	Chinese Talk and Music	signal 5+1 3sec late	JARL	non
7105	5	2009	10	24	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	no time signal	JARL	Hohhot
7105	5	2009	10	24	2300	A3E	273	CHN	PBS Nei Meng	Program start	23:00UTCTimesignal	JARL	Hohhot
7105	5	2009	10	28	2157	A0A	non	non	non	5+1 3sec late QRT	no modulation	JARL	non
7105	5	2009	10	28	2158	A3E	273	CHN	PBS Nei Meng	time Audio test	same	JARL	non
7105	5	2009	10	28	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	21:58:23 UTC	JARL	Hohhot
7105	5	2009	10	28	2200	A3E	273	CHN	PBS Nei Meng	Program start	23:00 UTC Time signal	JARL	Hohhot
7105	5	2009	10	28	2200	A3E	non	CHN	non	Chinese Talk and Music	5+1 2sec late	JARL	non
7105	5	2009	10	28	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	no time signal	JARL	Hohhot
7105	5	2009	10	29	2212	A3E	273	CHN	PBS Nei Meng	Program start	23:00UTCTimesignal	JARL	Hohhot
7105	5	2009	10	29	2214	A3E	non	non	non	5+1 2sec late QRT		JARL	non
7105	5	2009	10	29	2256	A3E	non	non	non	Chinese Talk and Music	22:57UTC	JARL	non
7105	5	2009	10	29	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	23:00UTCTimesignal	JARL	Hohhot
7105	5	2009	10	30	2240	A3E	273	CHN	PBS Nei Meng	Program ending	23:00UTCTimesignal	JARL	Hohhot
7105	5	2009	10	30	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	5+1 2sec late QRT	JARL	Hohhot
7105	5	2009	10	31	2224	A3E	273	CHN	PBS Nei Meng	Chinese talk and Music	23:00UTCTime signal	JARL	Hohhot
7105	3	2009	10	31	2226	A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105	5	2009	10	31	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	23:00UTCTimesignal	JARL	Hohhot

7105	3	2009	10	31	2300	A3E			non	CHN	non	Chinese Talk and Music after QRT	no time signal	JARL	non
7108		2009	10	11	<09:54>	0954-0958 0300-0235>	A1A			?	Unid	Ltrs and Figs in groups of five	RF72IS	NZART	
7110	5	2009	10	29		<1405-1535>	A3E			ETH	DS	DOMESTIC SERVICE-- ETHIOPIAN RADIO	MK82	ARSI	
7110	4	2009	10	29		<1800-1805>	A3E			ETH	DS	DOMESTIC SERVICE-- ETHIOPIAN RADIO	MK82	ARSI	
7110	5	2009	10	30		1945-2045	A3E			ETH	DS	DOMESTIC SERVICE-- ETHIOPIAN RADIO	MK82	ARSI	
7110		2009	10	02	<19:45>	2045	A3A			MLA	R.Malaysia	S7	RF73MF	NZART	
7111		2009	10	18	<12:00>	1200	F1B	50	250	?	Unid	Encrypted	RF72IS	NZART	
7118	3	2009	10	05	2038		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	21	2036		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	22	1404		F1B	non	non	non	non	IDL only		JARL	non
7118	3	2009	10	29	1840		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	29	1924	anytime	F1B			non	non	IDL only		JARL	non
7118	3	2009	10	29	2032		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	29	2132		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	29	2222		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	29	2306		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	30	2020		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	30	2132		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	31	1926		F1B			non	non	IDL only		JARL	non
7118	3	2009	10	31	2112		F1B			non	non	IDL only		JARL	non
7120	3	2009	10	05	2040		JM			non	non	Motorboat type JM		JARL	non
7122.5		2009	10	20	<10:10>	1010-1200	F1B	50	225	?	Unid	Encrypted	RF72IS	NZART	
7122.5		2009	10	21	<10:08>	1008-1300	F1B	50	200	?	Unid	Encrypted then RY's until going off air, possibly Russian	RF72IS	NZART	
7123		2009	10	22	<10:05>	1005-1010	A1A			CHN	Unid	4 figure groups. Chinese Maritime	RF72IS	NZART	
7124		2009	10	28		<1206-1211>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs 7118KHz ~ 7154KHz wide type pulse mode PXX OTHR ?	MK82	ARSI	
7136	36	2009	10	01	1710		PXX			non	non	non		JARL	non
7140		2009	10	02	<09:37>	0937	A3E			KRE	R.Voice of Korea.	B.C. Stn. Pyongyang. North Korea	RF72IS	NZART	
7140		2009	10	09	<10:23>	1023	A3E			KRE	R.Voice of Korea.	B.C. Stn. Pyongyang. North Korea	RF72IS	NZART	
7140	5	2009	10	01	0240	anytime	A3E		321	KRE	Vo Korea	Chinese Talk and music Talk and Music	JARL	Kujang	
7140	5	2009	10	01	0320		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	10	01	0820		A3E		321	KRE	Vo Korea	Chinese Talk and music Talk and Music	JARL	Kujang	
7140	5	2009	10	01	0900		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	

7140	5	2009	10	01	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	01	1100	A3E	321	KRE	Vo Korea	Chinese Talk and music Talk and Music	JARL	Kujang
7140	5	2009	10	01	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	02	0240	A3E	321	KRE	Vo Korea	Chinese Talk and music Talk and Music	JARL	Kujang
7140	5	2009	10	02	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	02	0830	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	02	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	02	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	02	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	02	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	03	0240	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	03	0332	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	03	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	03	0802	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	03	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	03	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	03	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music same frequency using other station ?	JARL	Kujang
7140	3	2009	10	03	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music same frequency using other station ?	JARL	Kujang
7140	3	2009	10	03	1254	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	10	03	1300	A3E	non	non	non	unknown ? Talk and Music 13:00 UTC Time signal 5 + 1 3sec late	JARL	non
7140	5	2009	10	04	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	04	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	04	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	10	04	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music strong QRM	JARL	Kujang
7140	3	2009	10	04	1102	A3E	non	non	non	unknown ? Talk and Music strong QRM	JARL	non
7140	5	2009	10	04	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	04	1256	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	10	04	1308	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	5	2009	10	05	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	05	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	05	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	05	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	05	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	05	1208	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	10	05	1256	A3E	non	non	non	unknown ? Talk and Music 13:00 UTC Time	JARL	non
7140	3	2009	10	05	1300	A3E	non	non	non	unknown ? Talk and Music signal 5 + 1 3sec late	JARL	non
7140	3	2009	10	05	1406	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	10	05	2028	A3E	non	non	non	unknown ? Talk and Music	JARL	non

7140	5	2009	10	06	0140	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	06	0230	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2009	10	06	0320	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	06	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	06	1008	A3E	321	KRE	Vo Korea	Korean Talk and Music	same frequency	JARL	Kujang
7140	5	2009	10	06	1010	A3E	non	non	non	unknown ? Talk and Music	strong QRM	JARL	non
7140	5	2009	10	06	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2009	10	06	1108	A3E	non	non	non	unknown ? Talk and Music		JARL	non
7140	5	2009	10	06	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	3	2009	10	06	1208	A3E	non	non	non	unknown ? Talk and Music		JARL	non
7140	3	2009	10	06	1256	A3E	non	non	non	unknown ? Talk and Music		JARL	non
7140	3	2009	10	06	1300	A3E	non	non	non	unknown ? Talk and Music	13:00 UTC Time	JARL	non
7140	5	2009	10	07	0010	A3E	321	KRE	Vo Korea	signal 5+1 3sec late		JARL	non
7140	5	2009	10	07	0340	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	07	0700	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	07	0700	A3E	321	KRE	Vo Korea	Korea Talk and Music		JARL	Kujang
7140	5	2009	10	07	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2009	10	07	1100	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	07	1158	A3E	non	RUS	non	Russian Talk and Music		JARL	non
7140	5	2009	10	07	1200	A3E	non	RUS	non	Russian Talk and Music	12:00 UTC Time signal	JARL	non
7140	5	2009	10	07	1200	A3E	321	KRE	Vo Korea	5+1 4sec ? late		JARL	non
7140	3	2009	10	07	1258	A3E	non	non	non	Chinese Talk and Music	strong QRM	JARL	Kujang
7140	3	2009	10	07	1300	A3E	non	non	non	unknown ? Talk and Music		JARL	non
7140	3	2009	10	07	1404	A3E	non	RUS	non	unknown ? Talk and Music	13:00 UTC Time	JARL	non
7140	5	2009	10	19	1800	A3E	321	KRE	Vo Korea	signal 5+1 4sec ? late		JARL	non
7140	5	2009	10	20	0300	A3E	321	KRE	Vo Korea	unknown Russian ? Talk and Music		JARL	non
7140	5	2009	10	21	0100	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2009	10	21	0330	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	21	0700	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	21	0800	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	21	0920	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2009	10	21	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	21	1100	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	21	1200	A3E	321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	3	2009	10	21	1908	A3E	non	non	non	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	22	0000	A3E	321	KRE	Vo Korea	Russian Talk and Music		JARL	non
7140	5	2009	10	22	0300	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	22	0700	A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2009	10	22	0820	A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2009	10	22	0820	A3E	321	KRE	Vo Korea	Chinese walk and Music		JARL	Kujang

7140	5	2009	10	22	0914	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	22	1200		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	22	1202		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	22	1410		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	23	0000		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	23	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	23	0700		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	23	0800		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	23	0910		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	23	1100		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	23	1200		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	23	1304		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	24	0010		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	24	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	24	0700		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	24	0820		A3E	321	RUS	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	24	0910		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	24	1000		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	24	1100		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	24	1200		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	24	1256		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	25	0000		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	25	0100		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	25	0200		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	25	0300		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	25	0700		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	25	0800		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	25	0908		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	25	1000		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	28	1230		A3E	non	non	non	Korean Talk and Music with QRM by RTTY	JARL	Kujang
7140	3	2009	10	28	1420		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	29	0100		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	29	0300		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	29	0700		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	29	0800		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	29	0900		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	29	1000		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	29	1110		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	29	1200		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	29	1300		A3E	non	non	non	unknown Russian ? Talk and Music	JARL	non

7140	5	2009	10	30	0000	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	30	0100	A3E			321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	30	0320	A3E			321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	30	0700	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	30	0800	A3E			321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	30	0930	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	30	0932	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	3	2009	10	30	1000	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	30	1002	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	30	1100	A3E			321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	30	1200	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	30	1202	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	3	2009	10	30	1300	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	5	2009	10	31	0000	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	31	0100	A3E			321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	31	0200	A3E			321	KRE	Vo Korea	Chinese talk and Music	JARL	Kujang
7140	5	2009	10	31	0300	A3E			321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	10	31	0712	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	31	0804	A3E			321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	10	31	0900	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	10	31	1002	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	4	2009	10	31	1110	A3E			321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	10	31	1112	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	3	2009	10	31	1200	A3E			321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	10	31	1202	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7140	3	2009	10	31	1300	A3E			non	non	non	unknown Russian ? Talk and Music	JARL	non
7141	3	2009	10	28	1234	anytime F1B	non	non	non	non	non	IDL only	JARL	non
7141	3	2009	10	28	2204	F1B	non	non	non	non	non	IDL only	JARL	non
7142	36	2009	10	05	0706	PXX			non	non	non	7124KHz ~ 7160KHz wide pulse mode PXX OTHR ?	JARL	non
7145	4	2009	10	28		<1209-1225> A3E				LAO	LNR	INTERNATIONAL BC SERVICE- VIETNAMESE	MK82	ARSI
7145	5	2009	10	30		<1800-1805> A3E				UNID	UNID	ARABIC BROADCASTER	MK82	ARSI
7145		2009	10	05	<06:50> 0650	A3E				?	Unid Lao N Radio	Asian voices R3/S5 Vietnam Talk and Music 13:59:30 UTC QRT	RE68XL	NZART
7145	3	2009	10	01	1306	A3E			237	LAO			JARL	Vientiane
7160	5	2009	10	29		<0315-0325> A3E				IND	CHENNAI	IM-PRODUCT OF AIR-CHENNAI	MK82	ARSI
7164.5	71	2009	10	06	<10:00> 1130	P0N				CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART
7165	6	2009	10	29		<1409-1535> A3E				UNID	UNID	TWO BC STATIONS CONTINUED ON FREQ.	MK82	ARSI

7165	5	2009	10	30		<1802-1815>	A3E		UNID	UNID	CHINSE BROADCASTER	MK82	ARSI	
7165	3	2009	10	01	1506		A3E	non	non	non	unknown ? Talk and Music		JARL	non
7165	3	2009	10	01	1606		A3E	non	non	non	unknown ? Talk and Music		JARL	non
7171.5	57	2009	10	26	<10:40>	1040-1105	P0N		CHN	Unid	OTHR 43.1 PPS	RF72IS	NZART	
7173		2009	10	20	<10:25>	1025-1136	J7D		?	Unid	10 Channels plus 1 pilot 7156KHz ~ 7192KHz wide pulse mode PXX OTHR ?	RF72IS	NZART	
7174	36	2009	10	22	0910		PXX	non	non	non			JARL	non
7175	5	2009	10	30		<1735-1803>	A3E		UNID	UNID	ARABIC BROADCASTER	MK82	ARSI	
7175		2009	10	05	<06:45>	06:45-0900	A3E		ERI	R.Eritrea	Eritrea "Voice of the Masses" R5/S9	RE68XL	NZART	
7175		2009	10	12	<10:45>	1045-1100	F1B	75	200	?	Unid	Encrypted	RF72IS	NZART
7180	5	2009	10	01	2234		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	01	2304		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	02	2130		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	02	2204		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	02	2302		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	03	2100		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	03	2208		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	03	2306		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	04	0138		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7180	5	2009	10	04	0210		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	04	0900		A3E		321	KRE	Vo Korea	Korea Talk and Music	JARL	Kujang
7180	5	2009	10	04	1000		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	04	2130		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	05	2100		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	05	2204		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	05	2302		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	06	2132		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	06	2206		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	07	2100		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	07	2304		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	20	2036		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	20	2134		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	20	2204		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	20	2306		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	21	2124		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	21	2238		A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	21	2304		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

7180	5	2009	10	22	2100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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7180	5	2009	10	22	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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7180	5	2009	10	24	2100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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7180	5	2009	10	24	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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7180	5	2009	10	28	2102	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	28	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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7180	5	2009	10	29	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	30	2130	anytime A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	30	2242	A3E	321	KRE	Vo Korea	Chinese talk and Music	JARL	Kujang
7180	5	2009	10	30	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	10	31	2110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	10	31	2228	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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7187		2009	10	26	<10:38>	1038-1135 J7D		?	Unid	8 channels plus one pilot	RF72IS	NZART
7187		2009	10	27	<10:00>	1000 J7D		?	Unid	8 channels plus one pilot	RF72IS	NZART
7187		2009	10	28	<09:50>	0950-1108 J7D		?	Unid	8 channels plus one pilot	RF72IS	NZART
7187		2009	10	29	<09:40>	0940-1200 J7D		?	Unid	8 channels plus one pilot	RF72IS	NZART
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7200	5	2009	10	28	<0211-0218>	A3E		BRM	BC	DOMESTIC SERVICE BC	MK82	ARSI
7200	5	2009	10	30	<1800-1818>	A3E		SDN	BC	ARABIC BROADCASTS	MK82	ARSI
7200	3	2009	10	01	0824	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	01	0904	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	01	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	01	1104	A3E	352	RUS	NVK R	Russian Talk and Music	JARL	Yakutsk

7200	5	2009	10	04	1108	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	04	1404	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	04	1704	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7200	3	2009	10	05	0704	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	05	0806	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	05	0904	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	05	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	05	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	05	1408	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	05	2030	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	06	0706	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	06	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	06	1402	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	07	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	07	1408	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	10	07	1506	A3E	non	non	non	unknown Talk and Music	JARL	non
7200	5	2009	10	07	1704	A3E	non	non	non	unknown Talk and Music	JARL	non
7200	3	2009	10	07	2104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	21	0926	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	21	1006	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	5	2009	10	21	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	22	0826	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	22	1412	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	22	2026	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	22	2104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	10	22	2208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	23	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	24	0916	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	10	24	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	3	2009	10	25	0702	A3E	352	RUS	NVK R	Russian Talk and Music	JARL	Yakutsk

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10:00 UTC Time

