



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



November 2009

Peter Young VK3MV

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

In this report the data files have been edited removing duplicate entries on the same frequency and intruder. A full data report is available upon request to myself.

ARSI reports, that Datta, VU2DSI has been appointed as the new monitoring service coordinator. Welcome Datta.

HARTS reports a number of broadcasting services and an OHR operating around 7.0 MHz with a BW of 10 kHz.

Last Month NZART reported OHR SuperDarn/TIGER Radar systems operating in 30 Meter band from Tasmania/Aust and New Zealand. This activity was reported to the New Zealand Regulator and has resulted in the New Zealand system no longer operating in the 10.100 to 10.150 MHz segment.

The WIA reported the intrusion of the SuperDarn/Tiger Radar to the Australian Regulator, the ACMA. There appeared to be no activity from the Tiger Radar system located at Bruny Island, Tasmania for a period of three weeks. At the time of writing this report, however, the Radar system was again active on 8 Dec 2009, on the frequencies of 10.105 and 10.145 MHz. This matter has again been raised with the ACMA.

The JARL reported a significant number of Broadcasting stations intruding into the lower HF bands. These are believed to emanate From China, Nth Korea and Russian states. Also there is a comprehensive report of A1A letter beacon stations and locations.

For those observers who have difficulties with some digital emission modes, either ID's, frequency shifts or baud rates, Wolf DK2DM has offered assistance. Wolf suggest audio wav files with a sample rate of 44 kHz, can be sent to him for analysis. Thank you Wolf.

Thank you to all this months observers.

kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	
3560		2009	11	DY	<09:00>	0900-2100	A3E				KRE	R. Voice of Korea	B-C Station	RF72LQ	NZART	ZL1BAD
3560	3	2009	11	01	0820		A3E			321	KRE	Vo Korea	Chaineese Talk and Music		JARL	Kujang
3560	3	2009	11	01	0912		A3E			321	KRE	Vo Korea	Chaineese Talk and Music		JARL	Kujang
3560	3	2009	11	01	1008		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	01	1104		A3E			321	KRE	Vo Korea	Chinese Talk and music		JARL	Kujang
3560	5	2009	11	01	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2009	11	01	1306		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2009	11	01	1930		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2009	11	02	0910		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	02	1008		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2009	11	02	1104	anytime	A3E			321	KRE	Vo Korea	Chinese Talk and Music	PM97	JARL	Kujang
3560	5	2009	11	02	1212		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2009	11	02	1344		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2009	11	02	1936		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2009	11	02	2012		A3E			321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
3560	3	2009	11	02	2122		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3	2009	11	03	0810		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	3	2009	11	03	0910		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	03	1006		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	03	1104		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	5	2009	11	03	1204		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2009	11	03	1830		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2009	11	03	2014		A3E			321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
3560	3	2009	11	03	2110		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3	2009	11	03	2228		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2009	11	04	0804		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	3	2009	11	04	0904		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	04	1006		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	04	1108		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	5	2009	11	04	1204		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2009	11	04	1300		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2009	11	04	1826		A3E			321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2009	11	04	1906		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2009	11	04	2242		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2009	11	05	0820		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	3	2009	11	05	0904		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	05	1030		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	3	2009	11	05	1108		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
3560	5	2009	11	05	1208		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang

3560	5	2009	11	05	1314	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	05	1706	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	05	1822	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	05	1934	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	05	2012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	05	2132	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	06	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	06	0804	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	06	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	06	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	06	1114	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	06	1210	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	06	1306	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	06	2034	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	06	2112	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	07	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	07	0820	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	07	0914	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	07	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	07	1110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	07	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	07	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	07	1924	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	07	2116	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	07	2244	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	08	0804	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	08	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	08	1002	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	08	1102	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	08	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	08	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	08	1844	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	08	2030	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	08	2110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	09	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	09	0810	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	09	0916	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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3560	5	2009	11	09	1804	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	09	1906	A3E	321	KRE	Vo Korea	Spanish Talk and Music	PM97	Kujang
3560	5	2009	11	09	2116	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	10	0804	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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3560	5	2009	11	10	1006	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	10	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	10	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	10	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	10	1818	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	10	2032	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	10	2208	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	11	0914	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	11	1004	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	11	1104	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	11	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	11	1314	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	11	1828	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	11	1904	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	11	2208	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	12	0838	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	12	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	12	1004	A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	Kujang
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3560	5	2009	11	12	2104	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	12	2206	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	13	1026	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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3560	5	2009	11	13	2110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	3	2009	11	14	1022	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

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3560	3	2009	11	14	2238	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	15	0810	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	15	0912	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	15	1038	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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3560	5	2009	11	15	1210	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	15	1312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	15	1410	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	15	1816	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	15	1910	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	15	2014	anytime A3E	321	KRE	Vo Korea	French Talk and Music	PM97 JARL	Kujang
3560	5	2009	11	15	2112	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	16	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	16	1308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	16	1914	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
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3560	5	2009	11	16	2120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	16	2212	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
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3560	3	2009	11	17	1110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	17	1224	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	17	1312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	17	1402	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	17	2142	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	17	2210	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	18	0730	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	18	1018	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	18	1118	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	18	1216	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	18	1312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	18	2040	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	18	2108	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	18	2210	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	19	1014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	19	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang

3560	5	2009	11	19	1222	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	19	1306	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	19	2042	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	19	2210	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	20	1244	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	20	1312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	20	1502	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	20	1626	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	21	0926	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	21	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	21	1112	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	21	1548	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	21	1604	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	21	2142	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	21	2208	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	22	1622	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	23	0706	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	23	0806	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	23	0908	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	23	1118	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	23	1208	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	23	1306	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	23	1408	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	23	1824	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	23	2208	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	24	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	24	1124	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	24	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	24	1314	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	24	1420	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	24	2042	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	24	2114	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	24	2144	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	24	2208	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	24	2312	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	25	0814	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	25	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	25	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	25	1114	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	25	1222	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

3560	5	2009	11	25	1312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	25	1406	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	25	1502	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	25	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	3	2009	11	25	2144	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	26	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	26	1136	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	26	1224	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	26	1342	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	26	1422	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	26	2040	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	26	2142	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2009	11	26	2212	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	27	0820	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	27	0916	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	27	1034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	27	1108	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	3	2009	11	27	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	27	1308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	27	1514	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	27	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	27	1808	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	27	2238	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	27	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	28	0918	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	28	1040	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	28	1114	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	28	1218	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	28	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	28	1416	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	28	1806	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	28	2230	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2009	11	29	0940	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	29	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	29	1128	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	29	1228	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	29	1316	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	29	1604	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2009	11	29	1802	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	29	1902	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang

3560	3	2009	11	30	0940	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2009	11	30	1132	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
3560	5	2009	11	30	1212	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2009	11	30	1308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	30	1516	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2009	11	30	1822	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3	2009	11	30	2220	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
6955	100	2009	11	29	1310	PXX		CHN	Unid	6905 kHz ~ 7005 kHz wide pulse mode PXX OTHR	OL72AH	HARTS
7000	3	2009	11	14	0630	J3E/U		INS			QG52XI	WIA
7000		2009	11	01	<08:29>	0829 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	02	<09:41>	0941-1040 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	04	<09:05>	0905-1132 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	05	<09:30>	0930 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	06	<11:30>	1130 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	08	<09:32>	0932 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	09	<09:35>	0935-1130 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	12	<09:45>	0945-1144 J3E/L		INS	Unid	Indonesian Pirates	RF72IS	NZART ZL1BYA
7000		2009	11	17	<10:05>	1005-1130 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	18	<09:23>	0923 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	20	<09:50>	0950-1130 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	21	<09:37>	0937-1145 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	23	<08:55>	0855-1011 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000.		2009	11	23	<03:42>	0342 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec. Very Faint, not heard above 7000Khz	RF72IS	NZART ZL1BYA
7000		2009	11	24	<09:35>	0935-1130 J3E/L		INS	Unid	Indonesian pirates	RF72IS	NZART ZL1BYA
7000		2009	11	25	<09:35>	0935-1126 J3E/L		INS	Unid	Indonesian pirates	RF72IS	NZART ZL1BYA
7000		2009	11	27	<09:45>	0945-1055 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	28	<09:50>	0950-1136 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	29	<09:43>	0943-1137 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	30	<09:39>	0939 J3E/L		INS	Unid	Indonesian pirates.	RF72IS	NZART ZL1BYA
7000		2009	11	DY		HX24 J3E/L		INS	Unid	non Amateurs	RF72LQ	NZART ZL1BAD
7000		2009	11	DY		HX24 J3E/U		INS	Unid	non Amateurs	RF72LQ	NZART ZL1BAD

7000		2009	11	03	<1200-1210>	J3E/L		INS	UNID	NON HAM CHATTERS		ARSI	
7000	3	2009	11	06	<0250-0255>	A3E		UNID	UNID	SPANISH BROADCASTER		ARSI	
7000		2009	11	15	<0230-0240>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7000		2009	11	23	<1310-1315>	J3E/U		INS	UNID	NON HAM INS OM MAKING KOOKABURRA LAUGHS		ARSI	
7003	6	2009	11	09	<10:41>	1041 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7003	6	2009	11	14	<09:55>	0955-1137 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec.	RF72IS	NZART	ZL1BYA
7003.5	7	2009	11	27	<10:46>	1046-1130 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec	RF72IS	NZART	ZL1BYA
7004	8	2009	11	06	<10:32>	1032-1153 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7004	8	2009	11	07	<11:30>	1130-1157 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7004	8	2009	11	10	<10:00>	1000-1010 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7004	8	2009	11	13	<10:34>	1034 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec. Back to 'normal' pulse rate.	RF72IS	NZART	ZL1BYA
7004	8	2009	11	15	<09:45>	0945-1125 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec	RF72IS	NZART	ZL1BYA
7005	10	2009	11	03	<09:48>	0948-1124 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7005	10	2009	11	16	<09:47>	0947-1155 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7005		2009	11	20		<1250-1255>	J3E/U	INS	UNID	O.T.H.R. 43.1 ppsec NON HAM SPEAKERS WITH LONG QSOs.		ARSI	
7005.3		2009	11	22		<0320-0335>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7007		2009	11	03		<1715-1720>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7007.5	15	2009	11	02	<09:41>	0941 P0N		CHN	Unid	OTHR 43 PPS	RF72IS	NZART	ZL1BYA
7008.7		2009	11	20		<0215-0220>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7010.7		2009	11	02		<0220-0225>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7011		2009	11	11		<0130-0140>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7011		2009	11	14		<0150-0158>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7012.4		2009	11	06		<0300-0310>	J3E/U	CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7012.5		2009	11	07	<11:50>	1150-1202 F1B	50 250	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7014		2009	11	16	<10:18>	1018-1112 F1B	75 200	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7014.5		2009	11	05	<06:45>	0645- F1B	500	?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD

															0700															
7014.5					2009	11	16	<06:45>	0645-0705	F1B	500			?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD											
7015					2009	11	07	<10:36>	1036	F1B	75	250	RUS		REA4	Encrypted	RF72IS	NZART	ZL1BYA											
7015	30	2009	11	07	<17:00>	1700-1730	PXX			?	Unid				OTHRR	Pulses 2/sec. Associated with	RF72LQ	NZART	ZL1BAD											
7015	3	2009	11	05	0722		F1B	non		non	non				on the air		JARL	non												
7015					2009	11	17	<1330-1345>	J3E/U			INS	UNID	NON HAM OM-YL PERSONAL QSO FOR A LONG TIME.			ARSI													
7016.8					2009	11	01	<0910-0925>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs		MK82	ARSI													
7016.9					2009	11	12	<0330-0344>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs			ARSI													
7016.9							30	<0220-0235>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs			ARSI													
7017					2009	11	02	<0220-0225>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs			ARSI													
7017.5					2009	11	17	<1250-1258>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs			ARSI													
7018	1	2009	11	3	2000		F1B	250							Idling (RY's)	QG52XI	WIA													
7018	-	2009	11	15	<11:29>	1129-1145	F1B	50	500	RUS		REA4	The usual shift is 1000Hz. ID by CW			RF72IS	NZART	ZL1BYA												
7018	-	2009	11	26	<11:31>	1131-1146	F1B	50	1000	RUS		REA4	Idling (RY's)			RF72IS	NZART	ZL1BYA												
7018					2009	11	DY	<21:00>	2100-1900	F1B	250	RUS		Unid	Idle Sigs	RF72LQ	NZART	ZL1BAD												
7019	3	2009	11	24	2038		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	26	2036		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	27	1804		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	27	2236		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	27	2310		A3E			non	non	non	IDL only			JARL	non													
7019	3	2009	11	28	2228		F1B			non	non	non	IDL only			JARL	non													
7019	5	2009	11	29	1906		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	29	2238		F1B			non	non	non	IDL only			JARL	non													
7019	3	2009	11	30	1820		F1B			non	non	non	IDL only			JARL	non													
7020	3	2009	11	03	1824		F1B			non	non	non	IDL only			JARL	non													
7022	36	2009	11	03	1826		PXX	non		non	non	7006KHz ~ 7042KHz wide Pulse mode PXX OTHR ?			JARL	non														
7024	48	2009	11	11	<09:34>	0934-1100	P0N			CHN	29.6, double checked.	Not heard again!			RF72IS	NZART	ZL1BYA													
7024	36	2009	11	05	0726		PXX	non		non	non	7006KHz ~ 7042KHz wide Pulse mode PXX OTHR ?			JARL	non														
7025					2009	11	24	<17:45>	1745	PXX			?	Unid	OTHRR 'Spill over into Ham Band	RF72LQ	NZART	ZL1BAD												
7025	40	2009	11	06	<18:15>	1815	PXX			?	Unid				2 PPS - associated with OTHR	RF72LQ	NZART	ZL1BAD												
7025					2009	11	20	<0220-0235>	J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs			ARSI													

7030		2009	11	10	<0240-0246>	J3E/L		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7030		2009	11	12	<0250-0310>	J3E/L		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7031.65	3.3	2009	11	05	<19:00>	1900-1930 G7B		?	Unid	16 CHNLS - PHASE MOD.	RF72LQ	NZART	ZL1BAD
7031.65	3.3	2009	11	11	<18:00>	1800-1905 G7B		?	Unid	16 CHNLS	RF72LQ	NZART	ZL1BAD
7038	36	2009	11	01	1924	PXX	non	non	non	7120KHz ~ 7156KHz wide mode Pulse PXX OTHR ?		JARL	non
7038.4		2009	11	02	<10:46>	1046 A1A		RUS	M	Beacon M from Magadan, Russia	RF72IS	NZART	ZL1BYA
7038.8		2009	11	11		<0130-0140> A1A		UKR	D	SINGLE LETTER RUSSIAN MARITIME BEACON		ARSI	
7038.8		2009	11	18		<0155-0213> A1A		UKR	D	SINGLE LETTER RUSSIAN MARITIME BEACON		ARSI	
7038.9		2009	11	02	<10:45>	1045 A1A		RUS	S	Beacon S from Severomorsk, Russia	RF72IS	NZART	ZL1BYA
7039.0		2009	11	DY		H24 A1A		RUS	RIW	Moscow - Beacon C	RF72LQ	NZART	ZL1BAD
7039		2009	11	DY		H24 A1A		RUS	A	Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7039		2009	11	DY		H24 A1A		RUS	RJS	Vladivistok - Beacon F	RF72LQ	NZART	ZL1BAD
7039		2009	11	DY		H24 A1A		RUS	RMP	Kaliningrad - Beacon P	RF72LQ	NZART	ZL1BAD
7039	0.5	2009	11	01	0814	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	01	0902	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	01	1922	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	02	0802	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	02	0902	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	02	1208	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	02	1932	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	02	1934	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	02	2010	A1A	15	RUS	M--signal	Beacon		JARL	Magadan
7039	0.5	2009	11	03	1822	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	05	1932	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	05	1938	A1A	316	UKR	D--signal	Beacon		JARL	Sevastopol
7039	0.5	2009	11	06	1108	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	06	1304	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	06	2032	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	07	2112	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	0712	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	0914	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	1028	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	1106	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	1308	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	09	1802	A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs

7039	0.5	2009	11	09	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	09	2114	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	10	1202	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	10	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	12	2102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	12	2154	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	12	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	12	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0406	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	0616	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	1024	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	1116	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	1208	anytime A1A	314	RUS	K--signal	Beacon	PM97 JARL	Petropavlovs
7039	0.5	2009	11	13	1304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	1306	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	13	1420	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	13	2036	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	2106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	2108	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	13	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	13	2206	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	13	2342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0242	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0712	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0714	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	14	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	0806	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	14	1016	anytime A1A	321	RUS	F--signal	Beacon	PM97 JARL	Vladivostok
7039	0.5	2009	11	14	1018	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	14	1108	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	1310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	1606	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2009	11	14	1608	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	14	1928	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	1930	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	14	2236	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	14	2310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0006	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0708	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	0806	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	0908	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	1034	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	1036	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	1108	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	1110	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	1310	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	1408	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	1812	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	15	1814	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	2010	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	15	2110	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	16	0142	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	16	0202	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	16	0310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	16	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	16	1304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	16	1306	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	16	1910	A1A	334	RUS	S--signal	Beacon	JARL	Murmansk
7039	0.5	2009	11	16	2022	A1A	334	RUS	S--signal	Beacon	JARL	Murmansk
7039	0.5	2009	11	16	2116	A1A	334	RUS	S--signal	Beacon	JARL	Murmansk
7039	0.5	2009	11	16	2118	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2009	11	16	2210	A1A	334	RUS	S--signal	Beacon	JARL	Murmansk
7039	0.5	2009	11	16	2310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2009	11	17	0702	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	1014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	1108	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	1222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	1310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	1400	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	2138	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	2140	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	17	2206	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	2208	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	17	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	17	2308	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	0034	anytime A1A	321	RUS	F--signal	Beacon	PM97 JARL	Vladivostok
7039	0.5	2009	11	18	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	0202	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	0312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	0402	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	0502	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	0602	A1A	321	RUS	F--signal	Beacon	JARL	Kujang
7039	0.5	2009	11	18	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	1016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	1114	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	1116	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	18	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	1214	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	1306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	1308	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	2036	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	2038	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	2102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	2104	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	18	2206	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	18	2324	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0402	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	0704	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2009	11	19	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	1104	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	1218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	1220	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	19	1302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	1304	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	19	2034	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	2036	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	19	2038	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	19	2136	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	2138	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	19	2140	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	19	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	19	2206	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	19	2208	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	19	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0202	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0314	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0402	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	0502	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	1240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	1310	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	1500	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	1620	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	20	1622	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	20	2218	anytime A1A	321	RUS	F--signal	Beacon	PM97 JARL	Vladivostok
7039	0.5	2009	11	20	2342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	0012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	0134	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	0204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	0316	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	0924	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	1006	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	1008	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	21	1108	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	1226	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	21	1546	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	21	1600	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs

7039	0.5	2009	11	21	2140		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	21	2204	anytime	A1A		321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2009	11	21	2206		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	22	1620		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	22	2234		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	22	2236		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	22	2238		A1A		316	UKR	D--signal	Beacon		JARL	Sevastopol
7039	0.5	2009	11	22	2302		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	22	2304		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	0012		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0102		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0216		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0302		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0402		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0704		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	0804		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	1206		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	1302		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	1406		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	1822		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	2204		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	23	2206		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	23	2304		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0020		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0134		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0204		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0334		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0402		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0506		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0616		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0708		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	0710		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	24	0806	anytime	A1A		321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2009	11	24	1018		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	24	1210		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	24	2112		A1A		314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2009	11	24	2142		A1A		316	UKR	D--signal	Beacon		JARL	Sevastopol
7039	0.5	2009	11	24	2204		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2009	11	24	2206		A1A		316	UKR	D--signal	Beacon		JARL	Sevastopol
7039	0.5	2009	11	25	0022		A1A		321	RUS	F--signal	Beacon		JARL	Vladivostok

7039	0.5	2009	11	25	0116	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	0208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	0712	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	0810	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	0912	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1006	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	25	1110	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1308	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	25	1404	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1500	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	1604	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	2140	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	2204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	25	2318	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0036	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0204	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	0914	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	1134	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	1220	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	1344	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	1418	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	2140	anytime A1A	316	UKR	D--signal	Beacon	PM97 JARL	Sevastopol
7039	0.5	2009	11	26	2210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	26	2344	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0102	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0506	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0604	A1A	351	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0708	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0806	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	0908	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	27	1032	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2009	11	27	1106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	27	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	27	1304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	27	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	27	2312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0232	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0402	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0502	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0624	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0804	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	0916	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	1110	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	1302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	1414	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	2226	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	28	2302	A3E	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0122	anytime A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2009	11	29	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0736	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0808	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0936	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	0938	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	1018	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1124	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	1126	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1224	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	1226	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2009	11	29	1314	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1602	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1804	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2009	11	29	2236	anytime A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok

7039	0.5	2009	11	29	2322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	0016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	0934	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1128	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1130	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	1208	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	1304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1306	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	1512	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1514	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	1806	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	1808	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	1810	A1A	316	UKR	D--signal	Beacon	JARL	Sevastopol
7039	0.5	2009	11	30	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2009	11	30	2218	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2009	11	30	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039				26	<1340-1345>	A1A		RUS	C	SINGLE LETTER BEACON C	ARSI	
7039.3		2009	11	DY	H24	A1A		RUS	RCC	Petropavlovsk - Beacon K	RF72LQ	NZART ZL1BAD
7039.4		2009	11	DY	H24	A1A		RUS	RTS	Magadan - Beacon M	RF72LQ	NZART ZL1BAD
7039.7		2009	11	DY	H24	A1A		RUS	RCV	Sevastopol - Beacon D	RF72LQ	NZART ZL1BAD
7039.9		2009	11	DY	H24	A1A		RUS	RIT	Severomorsk - Beacon S	RF72LQ	NZART ZL1BAD
7042	36	2009	11	11	1820	PXX	non	non	non	7124KHz ~7160KHz wide pulse mode PXX OTHR ?	JARL	non
7042	36	2009	11	11	1906	PXX	non	non	non	7124KHz ~7160KHz wide pulse mode PXX OTHR ?	JARL	non
7045	6	2009	11	DY	<11:30>	1130-2115 XXX		?	Unid	Unknown type sig. Similar sound to lonaspheric sounder - but NOT	RF72LQ	NZART ZL1BAD
7045	3	2009	11	25	12 : 29	<1229> A3E				ブツブツ音 (A3E)	JARL	
7045.5		2009	11	12		<0330-0344> J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI	
7046	8	2009	11	24	<11:00>	1100-1125 XXX		?	Unid	Strange (galloping) sound, not able to analyse it as yet.	RF72IS	NZART ZL1BYA
7046	08	2009	11	25	<11:00>	1100-1125 XXX		?	Unid	Strange (galloping) sound, not able to analyse it as yet.	RF72IS	NZART ZL1BYA
7046	08	2009	"	30	<10:50>	1050 XXX		?	Unid	Strange (galloping) sound, not able to analyse it as yet.	RF72IS	NZART ZL1BYA
7047	94	2009	11	26	<11:25>	1125-1130 P0N		CHN	Unid	O.T.H.R. 43.1 ppsec	RF72IS	NZART ZL1BYA
7050	4	2009	11	02		<0210-0221> A3E		IND	AIR	CHENNAI SPURIOUS B/C	ARSI	
7050	3	2009	11	06		<0200-0211> A3E		IND	AIR	CHENNAI SPURIOUS B/C	ARSI	

7050	3	2009	11	24		<0310-0315> 0615-2000	A3E			IND	CHENNAI-AIR	CHENNAI SPURIOUS B/C	ARSI		
7054		2009	11	DY	<06:15>		F1B	250		RUS	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7054	36	2009	11	03	0804		PXX		non	non	non	7036KHz ~ 7072KHz wide mode Pulse PXX OTHR ?	JARL	non	
7055.78		2009	11	26	<07:30>	0730 1033-1034	F1B	75	200	RUS	REA4	Encrypted	RF80JI	NZART	ZL2AAA
7057.5	39	2009	11	08	<10:33>		P0N			CHN	Unid	OTH43 PPS A very short burst, unable to get full width	RF72IS	NZART	ZL1BYA
7061	5	2009	11	9	1030		G7D					10 PSK CARRIERS ON 200 HZ SPACING, HIGH BAUD RATE	QG52XI	WIA	
7064		2009	11	09	<10:07>	1007 1020-1044	J7D			?	Unid	12 channels plus 1 pilot	RF72IS	NZART	ZL1BYA
7064		2009	11	09	<10:20>		J7D			?	Unid	Changed back to 6 channels no pilot	RF72IS	NZART	ZL1BYA
7064		2009	11	09	<10:45>	1045 0953-1026	J7D			?	Unid	Changed back to 12 Ch, 1 Pilot, Off at the same time as 7124.5 4+4	RF72IS	NZART	ZL1BYA
7064		2009	11	26	<09:53>	0945-1049	F7B	75	500	RUS	Unid	Russian 81-81 system, RY's then into encrypted text then off air	RF72IS	NZART	ZL1BYA
7065.5	35	2009	11	06	<09:45>	0949	VXX			?	Unid	CODAR Sea State Radar, Unknown location, very strong signal	RF72IS	NZART	ZL1BYA
7066.3		2009	11	18	<18:30>	1830 1054-1125	A1A			RUS	RCV	D Beacon. Spurious from 7039	RF72LQ	NZART	ZL1BAD
7067.5	65	2009	11	03	<10:54>	1125 1036-1145	P0N			CHN	Unid	OTH43 PPS	RF72IS	NZART	ZL1BYA
7068	62	2009	11	12	<10:36>	1145 1004-1011	P0N			CHN	Unid	O.T.H.R. 43.1 ppsec	RF72IS	NZART	ZL1BYA
7068.5	35	2009	11	10	<10:04>	1011 1005-1133	VXX			?	Unid	CODAR Sea State Radar, Unknown location, from S4 to S7 on pulse	RF72IS	NZART	ZL1BYA
7069	58	2009	11	23	<10:05>	1133 1750-1820	P0N			CHN	Unid	O.T.H.R. 43.1 ppsec	RF72IS	NZART	ZL1BYA
7070	20	2009	11	04	<17:50>	1820 1920-2000	PXX			?	Unid	2 PPS	RF72LQ	NZART	ZL1BAD
7070	40	2009	11	07	<19:20>	2000 1110-1200	PXX			?	Unid	OTH43	RF72LQ	NZART	ZL1BAD
7070	60	2009	11	13	<11:10>	1200	PXX			?	Unid	OTH43	RF72LQ	NZART	ZL1BAD
7071	66	2009	11	04	<10:17>	1017 0955-1036	P0N			CHN	Unid	OTH43 PPS	RF72IS	NZART	ZL1BYA
7073.5		2009	11	12	<09:55>	1036	J7D			CHN	Unid	Chinese system 4+4 over ridden by Chn O.T.H.R. (what a shame)	RF72IS	NZART	ZL1BYA
7077.5	35	2009	11	04	<09:42>	0942	VXX			?	Unid	CODAR Sea State Radar, Location unknown, very strong signal	RF72IS	NZART	ZL1BYA
7077.5	35	2009	11	05	<10:17>	1017	VXX			?	Unid	CODAR Sea State Radar, Location unknown, very strong signal	RF72IS	NZART	ZL1BYA
7077.5	33	2009	11	25	<10:13>	1013	VXX			?	Unid	CODAR sea state radar	RF72IS	NZART	ZL1BYA
7078	36	2009	11	04	1106		PXX		non	non	non	7060KHz ~ 7096KHz wide Pulse mode PXX OTHR ?	JARL	non	
7080.65	3.3	2009	11	19	<18:00>	1800-1825	G7B			?	Unid	16 channels	RF72LQ	NZART	ZL1BAD
7080.65	3.3	2009	11	28	<18:15>	1815-	G7B			?	Unid	16 Channels	RF72LQ	NZART	ZL1BAD

1905														
7084	36	2009	11	10	1306	PXX		non	non	non	7066KHz ~ 7102KHz wide Pulse mode PXX OTHR ?		JARL	non
7087.5	175	2009	11	DY	<18:00>	1800-1945 PXX			CHN	Unid	Chinese OTHR. 'Spill over' in Ham Band - to 7015	RF72LQ	NZART	ZL1BAD
7091		2009	11	06	<11:15>	1115-1125 J7D			CHN	Unid	Chinese military system 4+4 SINHALA SPEAKING OM-OM QSOs	RF72IS	NZART	ZL1BYA
7091		2009	11	22		<0240-0246> J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
7095.9		2009	11	12		<0330-0344> J3E/U			CLN	UNID			ARSI	
7098	1	2009	11	11	0825	F1B	250					QG52XI	WIA	
7098		2009	11	21	<11:30>	1130-1215 F1B			?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD
7100	6	2009	11	6	2000	A3E			NKR			QG52XI	WIA	
7100		2009	11	DY	<18:00>	1800-2000 A3E				R.Voice of Korea.	B.C. Stn. Pyongyang.	RF72LQ	NZART	ZL1BAD
7100	5	2009	11	01	1920	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	02	1930	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	02	2008	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2009	11	03	1820	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2009	11	03	2010	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2009	11	04	1820	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2009	11	04	1900	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	3	2009	11	05	1820	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2009	11	05	1930	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	05	2010	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2009	11	06	2030	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2009	11	07	1920	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	08	1840	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2009	11	08	2040	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2009	11	09	1800	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2009	11	09	1900	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	10	1812	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2009	11	10	2030	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2009	11	11	1826	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2009	11	11	1902	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	12	2030	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2009	11	13	2030	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2009	11	14	1920	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	15	1810	A3E		321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2009	11	15	1900	A3E		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2009	11	15	2004	A3E		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang

7100	3	2009	11	16	1904	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	3	2009	11	16	2020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	11	18	2034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	5	2009	11	19	2032	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	11	23	1820	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	3	2009	11	26	2034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7100	3	2009	11	27	1800	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	3	2009	11	28	1804	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	3	2009	11	29	1800	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	5	2009	11	29	1900	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7100	3	2009	11	30	1804	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
7100	6	2009	11	14		<2006-2015> A3E		KRE	VoKOREA	INTERNATIONAL BC.	ARSI	
7105	5	2009	11	01	2214	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	01	2216	A3E	non	non	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	01	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	02	2230	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	02	2232	A3E	non	non	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	02	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music23:00	JARL	Hohhot
7105	5	2009	11	03	2220	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	03	2222	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2009	11	03	2256	A3E	non	CHN	non	Chinese Talk and Music 22:57	JARL	non
7105	5	2009	11	03	2300	A3E	273	CHN	PBS Nei Meng	UTC Program end after QRT	JARL	non
7105	5	2009	11	03	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00	JARL	Hohhot
7105	5	2009	11	04	2234	A3E	273	CHN	PBS Nei Meng	UTC Time signal 5+1 2sec late	JARL	Hohhot
7105	3	2009	11	04	2236	A3E	non	CHN	non	Chinese Talk and Music 23:00:38	JARL	non
7105	3	2009	11	04	2256	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	04	2300	A3E	273	CHN	PBS Nei Meng	22:57:00 UTC Program end after QRT	JARL	non
7105	5	2009	11	04	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	05	2216	A3E	273	CHN	PBS Nei Meng	23:00 UTC Time signal 5+1 2sec late	JARL	Hohhot
7105	3	2009	11	05	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	06	2234	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	06	2236	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	06	2256	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	06	2256	A3E	non	CHN	non	22:57:00 UTC Program end after	JARL	non

										QRT		
										Chinese Talk and Music		
										23:00 UTC Time signal 5 + 1 2sec		
7105	5	2009	11	06	2300	A3E	273	CHN	PBS Nei Meng	late	JARL	Hohhot
										Chinese Talk and Music		
7105	5	2009	11	06	2300	A3E	273	CHN	PBS Nei Meng	23:00:20 UTC after QRT	JARL	Hohhot
7105	5	2009	11	07	2238	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	07	2240	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
										Chinese Talk and Music		
										22:57 UTC Program end after		
7105	3	2009	11	07	2256	A3E	non	non	non	QRT	JARL	non
										Chinese Talk and Music		
										23:00 UTC Time signal 5+1 2sec		
7105	5	2009	11	07	2300	A3E	273	CHN	PBS Nei Meng	late	JARL	Hohhot
										Chinese Talk and Music		
7105	5	2009	11	07	2300	A3E	273	CHN	PBS Nei Meng	23:00:22 UTC QRT	JARL	Hohhot
7105	5	2009	11	08	2232	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	08	2234	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
										Chinese Talk and Music		
										22:57 UTC Program end after		
7105	3	2009	11	08	2256	A3E	non	CHN	non	QRT	JARL	non
										Chinese Talk and Music		
										23:00 UTC Time signal 5+1 2sec		
7105	5	2009	11	08	2300	A3E	273	CHN	PBS Nei Meng	late	JARL	Hohhot
										Chinese Talk and Music		
7105	5	2009	11	08	2300	A3E	273	CHN	PBS Nei Meng	23:00:26 UTC QRT	JARL	Hohhot
7105	5	2009	11	09	2220	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	09	2222	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	1	2009	11	10	2157	A0A	non	non	non	no modulation	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	10	2158	A3E	273	CHN	PBS Nei Meng	21:57:37 UTC Program start	JARL	Hohhot
										Chinese Talk and Music		
										22:00:00 UTC Time signal 5+1 2sec		
7105	5	2009	11	10	2200	A3E	273	CHN	PBS Nei Meng	late	JARL	Hohhot
										Chinese Talk and Music		
7105	3	2009	11	10	2200	A3E	non	CHN	non	22:00:00 UTC Program start	JARL	non
										Chinese Talk and Music		
										22:57:00 UTC Program end after		
7105	3	2009	11	10	2256	A3E	non	non	non	QRT	JARL	non
										Chinese Talk and Music 23:00		
										UTC Timesignal 5+1 2sec late after		
7105	5	2009	11	10	2300	A3E	273	CHN	PBS Nei Meng	QRT	JARL	Hohhot
										no modulation		
7105	1	2009	11	11	2157	A0A	non	non	non	21:57:20 on air	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	11	2158	A3E	273	CHN	PBS Nei Meng	21:58:18 UTC Program start	JARL	Hohhot
7105	5	2009	11	11	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 22:00	JARL	Hohhot

										UTC Time signal 5 + 1 2sec late		
7105	3	2009	11	11	2200	A3E	non	CHN	non	Chinese Talk and Music 22:00	JARL	non
										UTC no time signal Program start		
7105	5	2009	11	11	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 23:00UTC	JARL	Hohhot
										Time signal 5+1 2sec late		
7105	1	2009	11	12	2157	A0A	non	non	non	after QRT no modulation	JARL	non
										21:57:25 on air		
7105	5	2009	11	12	2158	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 21:57:25 UTC	JARL	Hohhot
										Program start		
7105	5	2009	11	12	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 22:00	JARL	Hohhot
										UTC Time signal 5 + 1 2sec late		
7105	3	2009	11	12	2200	A3E	non	CHN	non	Chinese Talk and Music 22:00	JARL	non
										UTC Program start		
7105	3	2009	11	12	2257	A3E	non	CHN	non	Chinese Talk and Music 22:57	JARL	non
										UTC Program end after QRT		
										Chinese Talk and Music		
7105	5	2009	11	12	2300	A3E	273	CHN	PBS Nei Meng	23:00UTC	JARL	Hohhot
										Time signal 5+1 2sec late		
										after QRT		
7105	1	2009	11	13	2157	A0A	non	non	non	no modulation	JARL	non
										21:57:23 UTC on air		
7105	5	2009	11	13	2158	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music 21:58:11	JARL	Hohhot
										UTC Program start		
										Chinese Talk and Music		
7105	5	2009	11	13	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec	JARL	Hohhot
										late		
7105	3	2009	11	13	2200	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
										no time signal Program start		
7105	5	2009	11	14	2230	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										Chinese Talk and Music		
7105	3	2009	11	14	2232	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
										Chinese Talk and Music		
										22:57 UTC Program end after		
7105	3	2009	11	14	2256	A3E	non	CHN	non	QRT	JARL	non
										Chinese Talk and Music		
										23:00UTC		
7105	5	2009	11	14	2300	A3E	273	CHN	PBS Nei Meng	Time signal 5+1 2sec late	JARL	Hohhot
										after QRT		
										no modulation		
7105	1	2009	11	16	2157	A0A	non	non	non	21:57:23 UTC on air	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	16	2158	A3E	273	CHN	PBS Nei Meng	21:58:20 UTC Program start	JARL	Hohhot
										Chinese Talk and Music		
										22:00 UTC Time signal 5+1 2sec		
7105	5	2009	11	16	2200	A3E	273	CHN	PBS Nei Meng	late	JARL	Hohhot
										Chinese Talk and Music		
7105	3	2009	11	16	2200	A3E	non	CHN	non	22:00 UTC Program start	JARL	non
										Chinese Talk and Music		
7105	3	2009	11	16	2256	A3E	non	CHN	non	22:57 UTC Program end aftr	JARL	non
										QRT		
										Chinese Talk and		
7105	5	2009	11	16	2300	A3E	273	CHN	PBS Nei Meng	Music23:00UTC	JARL	Hohhot
										Timesignal 5+1		

										2sec late after QRT		
7105	1	2009	11	17	2157	A0A	non	non	non	no modulation	JARL	non
7105	5	2009	11	17	2158	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										21:57:00 UTC Program start		
										Chinese Talk and Music		
7105	5	2009	11	17	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late	JARL	Hohhot
										Chinese Talk and Music		
7105	3	2009	11	17	2200	A3E	non	non	non	22:00 UTC Program start	JARL	non
										Chinese Talk and Music		
7105	3	2009	11	17	2257	A3E	non	non	non	22:57 UTC Program end after QRT	JARL	non
										Chinese Talk and Music		
										Music23:00UTCTimesignal 5+1		
7105	5	2009	11	17	2300	A3E	273	CHN	PBS Nei Meng	2sec late after QRT	JARL	Hohhot
										no modulation		
7105	1	2009	11	18	2157	A0A	non	non	non	21:57:22 UTC on air	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	18	2158	anytime A3E	273	CHN	PBS Nei Meng	21:58:23 UTC Program start	PM97 JARL	Hohhot
										Chinese Talk and Music		
										22:00 UTC Time signal 5+1 2sec late		
7105	5	2009	11	18	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										22:00 UTC Program start		
7105	3	2009	11	18	2200	A3E	non	CHN	non	no modulation	JARL	non
										21:57:20 UTC on air		
7105	1	2009	11	19	2157	A0A	non	non	non	Chinese Talk and Music	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	19	2158	A3E	273	CHN	PBS Nei Meng	21:58:22 UTC Program start	JARL	Hohhot
										Chinese Talk and Music		
										22:00 UTC Time signal 5+1 2sec late		
7105	5	2009	11	19	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										22:00 UTC Program start		
7105	3	2009	11	19	2200	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
										Chinese Talk and Music		
7105	3	2009	11	19	2256	A3E	non	CHN	non	22:57 UTC Program end after QRT	JARL	non
										Chinese Talk and Music		
										Music23:00UTCTimesignal 5+1		
7105	5	2009	11	19	2300	A3E	273	CHN	PBS Nei Meng	2sec late after QRT	JARL	Hohhot
										Chinese Talk and Music		
7105	5	2009	11	20	2210	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										Chinese Talk and Music		
7105	3	2009	11	20	2212	A3E	non	CHN	non	no modulation	JARL	non
										Chinese Talk and Music		
7105	1	2009	11	21	2157	A0A	non	non	non	no modulation	JARL	non
										Chinese Talk and Music		
7105	5	2009	11	21	2158	A3E	273	CHN	PBS Nei Meng	21:57:20 UTC Program start	JARL	Hohhot
										Chinese Talk and Music		
										22:00 UTC Time signal 5+1 2sec late		
7105	5	2009	11	21	2200	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
										22:00 UTC Program start		
7105	3	2009	11	21	2200	A3E	non	CHN	non	Chinese Talk and Music	JARL	non

7105	5	2009	11	22	2230	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	22	2232	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	22	2257	A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2009	11	22	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music no modulation	JARL	Hohhot
7105	1	2009	11	23	2157	A0A	non	non	non	21:57:20 UTC on air Chinese Talk and Music	JARL	non
7105	5	2009	11	23	2158	A3E	273	CHN	PBS Nei Meng	2158:20 UTC Program start Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	23	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	23	2200	A3E	non	CHN	non	22:00 UTC Program start Chinese Talk and Music	JARL	non
7105	5	2009	11	23	2256	A3E	non	non	non	22:57 UTC Program end after QRT Chinese Talk and Music	JARL	non
7105	5	2009	11	23	2300	A3E	273	CHN	PBS Nei Meng	23:00UTC Timesignal 5+1 2sec late aft QRT no modulation	JARL	Hohhot
7105	1	2009	11	24	2157	A0A	non	non	non	21:57:18 UTC on air Chinese Talk and Music	JARL	non
7105	5	2009	11	24	2158	A3E	273	CHN	PBS Nei Meng	21:58:18 UTC Program start Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	24	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	24	2200	A3E	non	CHN	non	22:00 UTC Program start Chinese Talk and Music	JARL	non
7105	3	2009	11	24	2256	A3E	non	CHN	non	22:57 UTC Program end after QRT Chinese Talk and Music	JARL	non
7105	5	2009	11	24	2300	A3E	273	CHN	PBS Nei Meng	23:00UTC Timesignal 5+1 2sec late aft QRT no modulation	JARL	Hohhot
7105	1	2009	11	25	2157	A0A	non	non	non	21:57:20 UTC on air Chinese Talk and Music	JARL	non
7105	5	2009	11	25	2158	A3E	273	CHN	PBS Nei Meng	2158:20 UTC Program start Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	25	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	25	2200	anytime A3E	non	CHN	non	22:00 UTC Program start no modulation	PM97 JARL	non
7105	1	2009	11	26	2157	A0A	non	non	non	21:57:20 UTC on air Chinese Talk and Music	JARL	non
7105	5	2009	11	26	2158	A3E	273	CHN	PBS Nei Meng	2158:28 UTC Program start Chinese Talk and Music	JARL	Hohhot
7105	5	2009	11	26	2200	A3E	273	CHN	PBS Nei Meng	22:00 UTC Time signal 5+1 2sec late Chinese Talk and Music	JARL	Hohhot
7105	3	2009	11	26	2200	A3E	non	CHN	non	22:00 UTC Program start	JARL	non
7105	5	2009	11	27	2230	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot

7105	5		2009	11	27	2232		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	3		2009	11	27	2256		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	5		2009	11	27	2300		A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5		2009	11	28	2222		A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3		2009	11	28	2224		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	3		2009	11	28	2256		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	5		2009	11	28	2300		A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	5		2009	11	29	2230		A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3		2009	11	29	2232		A1A		non	CHN	non	Chinese Talk and Music	JARL	non
7105	5		2009	11	30	2212		A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3		2009	11	30	2214		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	3		2009	11	30	2256		A3E		non	CHN	non	Chinese Talk and Music	JARL	non
7105	5		2009	11	30	2300	anytime	A3E		273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7110	6		2009	11	6	2000		A3E			ETH		Unknown ? Talk and Music	QG52XI	WIA
7110	3		2009	11	09	1908		A3E		non	non	non	Unknown ? Talk and Music	JARL	non
7110	3		2009	11	15	2000		A3E		non	non	non	Unknown ? Talk and Music	JARL	non
7110	3		2009	11	24	2036		A3E		non	non	non	Unknown ? Talk and Music	JARL	non
7110	5		2009	11	04			A3E			ETH	BC	DOMESTIC SERVICE	ARSI	
7110	4		2009	11	10			A3E			ETH	BC	BROADCAST	ARSI	
7110	5		2009	11	23			A3E			ETH	BC	DOMESTIC SERVICE	ARSI	
7110	4		2009	11	24			A3E			ETH	BC	BROADCAST	ARSI	
7110	4				26			A3E			ETH	BC	DOMESTIC SERVICE	ARSI	
7110					30			A3E			ETH	BC	BROADCAST	ARSI	
7110.5	29		2009	11	20	<10:54>		PXX		?	Unid		CODAR sea state radar	RF72IS	NZART
7110.7			2009	11	14			J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM	ARSI	
7112			2009	11	18	<10:15>		F7B	75	250	?	Unid	Encrypted	RF72IS	NZART
7113.5	35		2009	11	28	<09:57>		VXX			?	Unid	CODAR sea state radar	RF72IS	NZART
7115			2009	11	21			J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM	ARSI	

7119.5		2009	11	23	<09:43>	0943	F7B	75	200	?	Unid	Idling (RY'S)	RF72IS	NZART	ZL1BYA
7122	36	2009	11	28	1216		PXX			non	non	7094KHz ~ 7130KHz wide Pulse mode PXX OTHR ?		JARL	non
7124.5		2009	11	09	<11:08>	1108-1155	J7D				CHN	Chinese military system 4+4. Off at same time as 7064, possibly Chinese	RF72IS	NZART	ZL1BYA
7127	3	2009	11	9	1020		J3E/U					ASIAN, NOT CHINESE	QG52XI	WIA	
7127	3	2009	11	11	0715		J3E/U				INS		QG52XI	WIA	
7135	5	2009	11	23	1200		A3E							WIA	
					0800-										
7140	6	2009	11	6	2000		A3E				NKR	DAILY	QG52XI	WIA	
7140	6	2009	11	29	1310		A3E				UNID	Music	OL72AH	HARTS	
7140		2009	11	08	<09:38>	0938-0949	A3E				R. Voice of Korea	North Korea B.C. Stn	RF72IS	NZART	ZL1BYA
7140	5	2009	11	01	0000	anytime	A3E			321	KRE	Korean Talk and Music	PM97	JARL	Kujang
7140	5	2009	11	01	0108		A3E			321	KRE	English Talk and Music		JARL	Kujang
7140	5	2009	11	01	0220		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang
7140	5	2009	11	01	0300		A3E			321	KRE	English Talk and Music		JARL	Kujang
7140	5	2009	11	01	0700		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	01	0810		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang
												Chinese Talk and Music 08:05			
7140	5	2009	11	01	0905		A3E			321	KRE	UTC Program start 3 min Late		JARL	Kujang
7140	3	2009	11	01	1004		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	3	2009	11	01	1100		A3E			321	KRE	Chinese Talk and music		JARL	Kujang
7140	3	2009	11	01	1210		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	3	2009	11	01	1212		A3E			non	non	Unknown ? Talk and Music		JARL	non
7140	3	2009	11	01	1304		A3E			non	non	Unknown ? Talk and Music		JARL	non
7140	5	2009	11	02	0000		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	02	0100		A3E			321	KRE	English Talk and Music		JARL	Kujang
7140	5	2009	11	02	0208		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang
7140	5	2009	11	02	0310		A3E			321	KRE	English Talk and Music		JARL	Kujang
7140	5	2009	11	02	0700		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	02	0800		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang
7140	5	2009	11	02	0900		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	02	1000		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	02	1100		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang
7140	5	2009	11	02	1200		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	3	2009	11	02	1202		A3E			non	non	Unknown ? Talk and Music		JARL	non
7140	3	2009	11	02	1340		A3E			non	non	Unknown ? Talk and Music		JARL	non
7140	5	2009	11	03	0000		A3E			321	KRE	Korean Talk and Music		JARL	Kujang
7140	5	2009	11	03	0110		A3E			321	KRE	English Talk and Music		JARL	Kujang
7140	5	2009	11	03	0200		A3E			321	KRE	Chinese Talk and Music		JARL	Kujang

7140	5	2009	11	03	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	03	0710	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	03	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	03	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	03	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	03	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	03	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	04	0000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	04	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	04	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	04	0230	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	04	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	04	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	04	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	04	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	04	1002	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	04	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	04	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	04	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	05	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	05	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	05	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	05	0312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	05	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	05	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	05	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	05	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	05	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	05	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	05	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	05	1202	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	05	1310	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	06	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	06	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	06	0230	A3E	321	KRE	Vo Korea	Chinese Talk and music	JARL	Kujang
7140	5	2009	11	06	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	06	0706	anytime A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97 JARL	Kujang
7140	5	2009	11	06	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	06	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	06	0902	A3E	non	non	non	Unknown ? Talk and Music	JARL	non

7140	3	2009	11	06	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	06	1002	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	06	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	06	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	06	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	06	1202	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	06	1300	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	06	2036	A3E	non	non	non	Russian Talk and Music	JARL	non
7140	5	2009	11	07	0000	A3E	321	KRE	Vo Korea	7200KHz same Program	JARL	Kujang
7140	5	2009	11	07	0100	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	07	0200	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	07	0310	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	07	0700	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	07	0810	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	07	0812	A3E	non	non	non	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	07	0900	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	07	0902	A3E	non	non	non	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	07	1000	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	07	1002	A3E	non	non	non	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	07	1100	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	07	1102	A3E	non	non	non	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	07	1200	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	07	1202	A3E	non	non	non	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	07	1300	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	08	0000	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	08	0100	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	08	0210	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	08	0330	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	08	0700	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	08	0800	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	08	0902	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	08	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	08	1100	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	08	1200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	08	1202	A3E	non	non	non	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	08	1300	anytime A3E	non	non	non	Unknown ? Talk and Music	PM97 JARL	non
7140	3	2009	11	09	0706	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	09	0800	A3E	321	KRE	Vo Korea	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	09	0906	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	09	0908	A3E	non	non	non	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	09	0908	A3E	non	non	non	Unknown ? Talk and Music	JARL	non

7140	5	2009	11	09	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	09	1022	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	09	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	09	1210	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	09	1304	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	10	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	10	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	10	0218	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	10	0300	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	10	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	10	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	10	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	10	0902	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	10	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	10	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	10	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	10	1300	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	11	0010	anytime A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97 JARL	Kujang
7140	5	2009	11	11	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	11	0214	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	11	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	11	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	11	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	11	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	11	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	11	1310	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	12	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	12	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	12	0230	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	12	0306	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	12	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	12	0830	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	12	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	12	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	12	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	12	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	13	0014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	13	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	13	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	13	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang

7140	3	2009	11	13	0610	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	13	1020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	13	1108	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	13	1110	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	13	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	13	1202	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	13	2032	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2009	11	13	2104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	14	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	14	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	14	0240	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	14	0310	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	14	0708	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	14	0802	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	14	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	14	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	14	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	14	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	14	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	14	1202	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	14	1304	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	14	2306	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	15	0004	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	15	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	15	0212	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	15	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Yakutsk
7140	5	2009	11	15	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	15	0800	anytime A3E	321	KRE	Vo Korea	Chinese Talk and Music	PM97 JARL	Kujang
7140	5	2009	11	15	0902	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	15	0904	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	15	1026	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	15	1028	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	15	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	15	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	15	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	15	1202	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	15	1304	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	15	1404	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2009	11	15	2006	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	15	2106	A3E	non	non	non	Unknown ? Talk and Music	JARL	non

7140	5	2009	11	16	0140	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	16	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	16	0308	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	16	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	16	1206	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	16	1300	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	16	2110	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	16	2202	A3E	352	RUS	NVK R Sakha	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	16	2306	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	17	0020	anytime A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97 JARL	Kujang
7140	5	2009	11	17	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	17	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	17	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	17	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	17	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	17	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	17	1102	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	17	1216	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	18	0030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	18	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	18	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	18	0310	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2009	11	18	0604	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	18	1010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	18	1012	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	18	1106	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	18	1108	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	18	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	18	1206	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	18	1302	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	19	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	19	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	19	0208	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	19	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	19	0700	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	19	1008	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	19	1100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	19	1210	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	19	1212	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	19	1300	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 13:00 UTC Time signal 5+1 4sec	JARL	Yakutsk

late

7140	5	2009	11	20	0012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	20	0120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	20	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	20	0312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	21	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	21	0130	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	21	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	21	0312	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	21	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	21	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	21	1002	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	5	2009	11	21	1104	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	21	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	21	1222	A3E	non	non	non	Unknown ? Talk and Music	JARL	non
7140	3	2009	11	21	1540	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2009	11	23	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	23	0100	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	23	0214	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	23	0300	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	23	0702	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	23	0802	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	23	0900	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	non
7140	3	2009	11	23	1110	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	11	23	1200	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	11	23	1300	anytime A3E	352	RUS	NVK R Sakha	Russian Talk and Music	PM97 JARL	Yakutsk
										Russian Talk and Music		
7140	5	2009	11	23	1402	A3E	352	RUS	NVK R Sakha	7200KHz same Program	JARL	Yakutsk
7140	5	2009	11	24	0016	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2009	11	24	0130	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2009	11	24	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5	2009	11	24	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2009	11	24	0502	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2009	11	24	0612	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	4	2009	11	24	0702	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	24	0704	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2009	11	24	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2009	11	24	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2009	11	24	1014	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7140	3	2009	11	24	1118	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2009	11	24	1120	A3E	non	non	non	unknown ? Talk and Music	JARL	non

7140	3	2009	11	24	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	24	1208	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	24	1310	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	24	2034	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	24	2304	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	5	2009	11	25	0020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	25	0114	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	11	25	0206	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	5	2009	11	25	0330	anytime A3E	321	KRE	Vo Korea	English Talk and Music	PM97	JARL	Kujang
7140	5	2009	11	25	0710	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	25	0806	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2009	11	25	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	25	0906	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	25	1000	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	25	1102	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2009	11	25	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	25	1210	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	25	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	25	1300	A3E	352	RUS	NVK R Sakha	Russian Talk and Music signal 5+1 4sec late	13:00 UTC Time	JARL	Yakutsk
7140	3	2009	11	25	1400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	25	1410	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music16:00UTCTimesignal 5+1 4sec late after QRT	JARL	Yakutsk	
7140	3	2009	11	25	1558	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	25	2138	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	25	2208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	26	0032	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	26	0110	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	11	26	0200	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	5	2009	11	26	0328	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	11	26	0800	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	5	2009	11	26	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	26	1132	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	26	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	26	1216	A3E	non	non	non	unknown ? Talk and Music	JARL	non	
7140	3	2009	11	26	1346	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	26	1414	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	26	2032	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	26	2138	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	26	2206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	

7140	5	2009	11	27	0010	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	27	0100	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	11	27	0214	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	27	0330	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	3	2009	11	27	0502	A3E		352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 06:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7140	3	2009	11	27	0600	A3E		352	RUS	NVK R Sakha		JARL	Yakutsk	
7140	5	2009	11	27	0702	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	27	0704	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	27	0802	A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2009	11	27	0902	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	27	0904	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	27	1028	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	27	1102	anytime A3E		321	KRE	Vo Korea	Chinese Talk and Music	PM97	JARL	Kujang
7140	3	2009	11	27	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	27	1208	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	27	1256	A3E		352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 13:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7140	3	2009	11	27	1300	A3E		352	RUS	NVK R Sakha		JARL	Yakutsk	
7140	3	2009	11	27	1510	A3E		352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music16:00UTCTimesignal 5+1 4sec late after QRT	JARL	Yakutsk	
7140	3	2009	11	27	1558	A3E		352	RUS	NVK R Sakha		JARL	Yakutsk	
7140	3	2009	11	27	2306	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	28	0006	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	28	0120	A3E		321	KRE	Vo Korea	Russian Talk and Music	JARL	Yakutsk	
7140	5	2009	11	28	0230	A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	5	2009	11	28	0340	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2009	11	28	0622	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	28	0706	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2009	11	28	0802	A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2009	11	28	0910	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	28	0912	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	28	1032	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	28	1034	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	28	1102	A3E		321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2009	11	28	1104	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	28	1210	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2009	11	28	1212	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2009	11	28	1258	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	

7140	3		2009	11	28	1300	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 13:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7140	3		2009	11	28	1412	A3E	358	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5		2009	11	29	0012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5		2009	11	29	0120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5		2009	11	29	0210	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	5		2009	11	29	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5		2009	11	29	0732	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5		2009	11	29	0804	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3		2009	11	29	0932	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5		2009	11	29	1012	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5		2009	11	29	1120	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3		2009	11	29	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3		2009	11	29	1310	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3		2009	11	29	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal only 5+1 4sec late no ID after QRT	JARL	Yakutsk
7140	3		2009	11	29	1600	A3E	352	RUS	NVK R Sakha	4sec late no ID after QRT	JARL	Yakutsk
7140	5		2009	11	30	0014	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5		2009	11	30	0930	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3		2009	11	30	1120	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3		2009	11	30	1122	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3		2009	11	30	1200	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3		2009	11	30	1202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3		2009	11	30	1256	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 13:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7140	3		2009	11	30	1300	A3E	352	RUS	NVK R Sakha	late	JARL	Yakutsk
7140	3		2009	11	30	1510	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3		2009	11	30	2210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140			2009	11	16	00:10	<0010>				ビョンヤン放送	JARL	Yakutsk
7141	3		2009	11	29	1310	F1B		UNID	Unid	IDL only	OL72AH	HARTS
7141	42		2009	11	04	1822	PXX	non	non	non	7020KHz ~ 7062KHz wide Pulse mode PXX OTHR ?	JARL	non
7141	42		2009	11	04	1902	PXX	non	non	non	7020KHz ~ 7062KHz wide Pulse mode PXX OTHR ?	JARL	non
7142	36		2009	11	15	1818	PXX	non	non	non	7124KHz ~7160KHz wide pulse mode PXX OTHR ?	JARL	non
7142	36		2009	11	15	1912	PXX	non	non	non	7124KHz ~7160KHz wide pulse mode PXX OTHR ?	JARL	non
7142	3		2009	11	28	1106	JM	non	non	non	Motorboat type JM	JARL	non
7144	36		2009	11	23	1828	PXX	non	non	non	7126KHz ~7162KHz wide Pulse mode PXX OTHR ?	JARL	non

7145		6	2009	11	29	1310	A3E			UNID		Laos National Radio?	OL72AH	HARTS	
7145	3		2009	11	10	2204	A3E	non	non	non		unknown ? Talk and Music WEAK ENGLISH BROADCAST FROM LAOS.		JARL	non
7145	3		2009	11	10		<1340-1350> A3E			LAO	BC	WEAK ENGLISH BROADCAST FROM LAOS.		ARSI	
7145	4		2009	11	23		<1300-1315> A3E			LAO	BC	WEAK ENGLISH BROADCAST FROM LAOS.		ARSI	
7145	3				26		<1340-1345> A3E			LAO	BC	ENGLISH BROADCAST.		ARSI	
7148.4		0.1	2009	11	6	2000	N0N						QG52XI	WIA	
7150	3		2009	11	30	1812	A3E	non	non	non		unknown ? Talk and Music		JARL	non
7160		0.1	2009	11	23	1200	N0N						QG52XI	WIA	
7160	4		2009	11	04		<0340-0350> A3E			IND	AIR	CHENNAI SPURIOUS B/C		ARSI	
7160	4		2009	11	06		<0200-0211> A3E			IND	AIR	CHENNAI SPURIOUS B/C		ARSI	
7160	4		2009	11	24		<0312-0320> A3E			IND	CHENNAI-AIR	CHENNAI SPURIOUS B/C		ARSI	
7160	4				30		<0300-0340> A3E			IND	CHENNAI-AIR	CHENNAI SPURIOUS B/C		ARSI	
7161		3	2009	11	23	1200	F1B					UNKNOWN DATA MODE	QG52XI	WIA	
7163.5			2009	11	11	<10:25>	1025 F7B	75	200	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7165	3		2009	11	30	1816	A3E	non	non	non		unknown ? Talk and Music EXTERNAL SERVICES BROADCAST		JARL	non
7165	5		2009	11	10		<1340-1350> A3E			ETH	BC	EXTERNAL SERVICES BROADCAST		ARSI	
7165	5		2009	11	23		<1300-1315> A3E			ETH	BC	EXTERNAL SERVICES BROADCAST		ARSI	
7170		6	2009	11	22	1200	A3E					UNKNOWN	QG52XI	WIA	
7174	36		2009	11	09	0804	PXX	non	non	non		7156KHz ~ 7192KHz wide mode Pulse PXX OTHR ?		JARL	non
7174	36		2009	11	18	1020	PXX	non	non	non		7156KHz ~ 7192KHz wide mode Pulse PXX OTHR ?		JARL	non
7175	3		2009	11	14	1922	A3E	non	non	non		unknown ? Talk and Music		JARL	non
7175	3		2009	11	15	1902	A3E	non	non	non		unknown ? Talk and Music		JARL	non
7175	3		2009	11	16	1906	A3E	non	non	non		unknown ? Talk and Music		JARL	non
7175	5		2009	11	10		<1500-1515> A3E			ERI	VoBM	VOICE OF BROAD MASSES BROADCASTS		ARSI	
7176.5			2009	11	11	<09:30>	0946 F7B	75	200	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7177.5	15		2009	11	10		<1340-1350> XXX			UNID	UNID	JAMMER SPREADING FROM 7170 TO 7185 KHz		ARSI	
7180	5		2009	11	01	2218	A3E			321 KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7180	5		2009	11	01	2302	A3E			321 KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7180	5		2009	11	02	2120	A3E			321 KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7180	5		2009	11	02	2234	A3E			321 KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7180	5		2009	11	02	2302	A3E			321 KRE	Vo Korea	Korean Talk and Music		JARL	Kujang

	7180	5	2009	11	03	2108	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	03	2226	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	03	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	04	2238	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	04	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	05	2130	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	05	2214	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	05	2334	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	06	2110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	06	2238	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	06	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	07	2110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	07	2242	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	07	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	08	2228	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	08	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	09	2112	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	09	2224	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	09	2330	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	10	2140	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	10	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	10	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	11	2140	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	11	2204	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	11	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	3	2009	11	12	2100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	12	2152	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	12	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	12	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	3	2009	11	13	2100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	13	2130	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	13	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	13	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	14	2234	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	14	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	15	2102	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	16	2130	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	16	2206	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
	7180	5	2009	11	16	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
	7180	5	2009	11	17	2134	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang

7180	5	2009	11	17	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	18	2100	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	18	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	18	2320	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	19	2134	anytime A3E	321	KRE	Vo Korea	Chinese Talk and Music	PM97 JARL	Kujang
7180	5	2009	11	19	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	19	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	20	2214	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	20	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	21	2136	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	21	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	22	2240	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	22	2306	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	23	2134	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	23	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	23	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	3	2009	11	24	2110	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	24	2140	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	24	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	24	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	25	2134	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	25	2202	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	25	2314	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	26	2136	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	26	2204	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	26	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	27	2234	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	27	2308	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	28	2220	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	28	2306	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	29	2234	A3E	321	KRE	Vo Korea	Chinese Talk and music	JARL	Kujang
7180	5	2009	11	29	2320	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180	5	2009	11	30	2208	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7180	5	2009	11	30	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7180		2009	11	25	12 : 25	<1225>				Chinese Talk and Music	JARL	
7185	5	2009	11	17	2202	A3E	321	KRE	Vo Korea	VERY LOW MODULATION	JARL	Kujang
7185	4	2009	11	24		<0315-0318>		BRM	BC	APPEARS B/C TEST	ARSI	
7185	4			30		<0307-0340>		BRM	BC	DOMESTIC SERVICE	ARSI	
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1030													
7190	0.1	2009	11	23	1200	N0N					QG52XI	WIA	
7190	6	2009	11	01		<0920-0930> A3E		CLN	SLBC	SRI LANKA B/C CORP. B/C TO SOUTH ASIA		ARSI	
7190	6	2009	11	20		<0200-0214> A3E		CLN	SLBC	SRI LANKA B/C CORP. B/C TO SOUTH ASIA		ARSI	
7190	6	2009	11	22		<0210-0215> A3E		CLN	SLBC	SRI LANKA B/C CORP. B/C TO SOUTH ASIA		ARSI	
7190	6			30		<0220-0242> A3E		CLN	SLBC	SOUTH ASIAN BROADCASTS		ARSI	
7191		2009	11	02	<09:48>	0948 J7D		?	Unid	6 Channels	RF72IS	NZART	ZL1BYA
7192	36	2009	11	15	0704	PXX	non	non	non	7174KHz ~ 7210KHz wide Pulse mode PXX OTHR ?		JARL	non
7200	6	2009	11	6	0700-2000	A3E		IRN		RADIO IRAN INTERNATIONAL	QG52XI	WIA	
7200	6	2009	11	6	2000	A3E		SIB		DAILY, RADIO SAKHA	QG52XI	WIA	
7200		2009	11	09	<09:40>	0940-1128 A3A		RUS	R. Voice of Russia	B.C. Stn, Female/male announcers in Russian	RF72IS	NZART	ZL1BYA
7200	3	2009	11	01	0812	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	01	0900	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	01	1006	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	01	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	02	0904	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	02	1002	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	02	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	02	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	03	0712	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	03	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	03	0902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	03	1002	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	03	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	03	1202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	03	2012	anytime A3E	352	RUS	NVK R Sakha	Russian Talk and Music	PM97	JARL	Yakutsk
7200	5	2009	11	04	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Kujang
7200	5	2009	11	04	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	04	0902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	04	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	04	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	04	1202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	04	2240	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	04	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	05	0724	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk

7200	3	2009	11	05	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	05	0902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	05	1022	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	05	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	05	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	05	2220	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	0708	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	0906	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	1006	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	06	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	11	07	0704	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	07	0816	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	07	0906	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	07	1006	A3E	352	RUS	NVK R Sakha	Russian Talk and music	JARL	Yakutsk
7200	5	2009	11	07	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	08	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	08	0802	A3E	352	RUS	NV R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	08	0900	A3E	352	RUS	NVK R Sakha	09:00 UTC Time signal 5 + 1 4sec late	JARL	Yakutsk
7200	5	2009	11	09	0010	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	09	0120	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	09	0206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	09	0710	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	09	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	09	0912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	09	1026	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	09	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	09	1902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	10	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	10	0802	A3E	352	RUS	NV R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	10	0904	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	10	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	10	1104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	11	0912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	11	1002	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	11	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	11	1202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	3	2009	11	11	1900	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7200	5	2009	11	11	2206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	11	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	12	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	12	0832	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	12	0902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	12	1002	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	12	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	12	2032	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7200	3	2009	11	13	0612	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	13	1022	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	13	1114	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	13	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	13	2034	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	13	2102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	14	0710	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	14	0800	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 08:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	14	0912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	14	1014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	14	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	14	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	14	1308	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	14	1926	A3E	352	RUS	NVK R Sakha	unknown ? Talk and Music	JARL	non
7200	5	2009	11	14	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	15	0214	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	0900	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 09:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	15	1032	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	1308	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	1406	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	15	1906	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7200	5	2009	11	15	2012	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	15	2104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	16	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	3	2009	11	16	2024	A3E	non	non	non	unknown ? Talk and Music	JARL	non
7200	5	2009	11	16	2112	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	16	2208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	16	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	17	0704	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	1012	A3E	352	RUS	NV R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	1220	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	2136	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	2204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	17	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	18	0032	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	18	0316	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	18	0400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 04:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	3	2009	11	18	0500	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 05:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	18	0600	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 06:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	18	0700	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 07:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	18	1014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	18	1112	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	18	1208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	18	2106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	18	2208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	18	2322	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	19	0024	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	19	0310	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	19	0400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 04:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	3	2009	11	19	0702	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	19	1010	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	19	1102	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	19	1216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	19	2040	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	19	2142	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	19	2212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	3	2009	11	19	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	0018	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	0124	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	0210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	0318	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	0400	A3E	352	RUS	NVK R Sakha	04:00 UTC Time signal 5+1 4sec late Russian Talk and Music 05:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	5	2009	11	20	0500	A3E	352	RUS	NVK R Sakha	late	JARL	Yakutsk
7200	3	2009	11	20	1242	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	2216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	20	2344	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	0014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	0132	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	0202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	0314	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	0922	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	1106	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	21	1228	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	21	1544	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	21	1602	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	21	2138	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	22	2242	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	22	2308	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	0014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	0104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	0218	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	0304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	0400	A3E	352	RUS	NVK R Sakha	04:00 UTC Time signal 5+1 4sec late Russian Talk and Music 07:00 UTC Time signal 5+1 4sec late Russian Talk and Music 08:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	3	2009	11	23	0700	A3E	352	RUS	NVK R Sakha	late	JARL	Yakutsk
7200	3	2009	11	23	0800	A3E	352	RUS	NVK R Sakha	late	JARL	Yakutsk
7200	5	2009	11	23	0904	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	23	1114	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	23	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	5	2009	11	23	1400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music signal 5+1 4sec late	14:00 UTC Time	JARL	Yakutsk
7200	3	2009	11	24	0018	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	24	0132	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	24	0202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	24	0332	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	24	0400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 04:00 UTC Time signal 5+1 4sec late		JARL	Yakutsk
7200	3	2009	11	24	0500	A3E	352	RUS	NVK R Sakha	05:00 UTC no Time signal		JARL	Yakutsk
7200	5	2009	11	24	0610	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	24	0700	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 07:00 UTC Time signal 5+1 4sec late		JARL	Yakutsk
7200	5	2009	11	24	0800	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 08:00 UTC Time signal 5+1 4sec late		JARL	Yakutsk
7200	5	2009	11	24	1010	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	24	1116	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	24	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	24	2032	A3E	non	non	non	unknown ? Talk and Music		JARL	non
7200	5	2009	11	24	2308	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	0808	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	0910	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	25	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	1108	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	1216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	1302	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 7140KHz same Program		JARL	Yakutsk
7200	5	2009	11	25	1402	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	25	2136	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	25	2206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	25	2316	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	26	0034	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	26	0202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	26	0330	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	3	2009	11	26	0802	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
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7200	5	2009	11	26	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	26	1412	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk
7200	5	2009	11	26	2030	A3E	352	RUS	NVK R Sakha	Russian Talk and Music		JARL	Yakutsk

7200	5	2009	11	26	2134	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2009	11	26	2202	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	26	2342	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	27	0014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	27	0104	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	27	0218	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	27	0334	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 05:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
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7200	5	2009	11	27	0700	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 08:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7200	5	2009	11	27	0800	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 09:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7200	5	2009	11	27	0900	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 11:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7200	5	2009	11	27	1026	A3E	352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 11:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
7200	5	2009	11	27	1100	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2009	11	27	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2009	11	27	1302	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2009	11	27	2304	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	28	0010	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	28	0124	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	28	0234	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
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7200	3	2009	11	28	0400	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 05:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk	
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7200	5	2009	11	28	0620	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
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7200	5	2009	11	28	0914	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	28	1038	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	3	2009	11	28	1100	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	

										11:00 UTC Time signal 5+1 4sec late		
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										Russian Talk and Music		
7200	3	2009	11	29	0800	A3E	352	RUS	NVK R Sakha	08:00 UTC Time signal 5+1 4sec late	JARL	Yakutsk
7200	3	2009	11	29	0934	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	29	1014	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	29	1122	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	11	29	1558	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	30	0018	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2009	11	30	0932	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2009	11	30	1126	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200	5	2009	11	30	1302	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
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7200				30	<0330-0338>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI	
10101		2009	11	14	<0210-0220>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI	
10101		2009	11	24	<0315-0324>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI	
10105	12	2009	11	14	0001	P0N		Aus	Unid	La Trobe University Tiger Radar Bruny Island	QF22ml	WIA
10109		2009	11	10	<1530-1540>	J3E/U		CHN	UNID	CHINESE NON-HAM SPEAKERS.	ARSI	
10109		2009	11	24	<0315-0326>	J3E/U		CHN	UNID	CHINESE NON HAM SPEAKERS	ARSI	
10110	12	2009	11	15	0401	P0N		Aus	Unid	La Trobe University Tiger Radar Bruny Island	QF22ml	WIA
10111.5	5			26	<1340-1345>	PXX		UNID	UNID	RADAR PULSES	ARSI	
10113		2009	11	14	<0150-0158>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs	ARSI	

10117		2009	11	23		<1300-1311>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
10122		2009	11	24		<0315-0326>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
10135	12	2009	11	14	0001		P0N		Aus	Unid	La Trobe University Tiger Radar Bruny Island	QF22ml	WIA	
10139.5		2009	11	24		<1320-1336>	J3E/L		CHN	UNID	CHINESE NON HAM SPEAKERS		ARSI	
10140	12	2009	11	14	0001		P0N		Aus	Unid	La Trobe University Tiger Radar Bruny Island	QF22ml	WIA	
10141.3		2009	11	22		<0200-0214>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
10141.4		2009	11	24		<0315-0326>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
10141.5		2009	11	14		<0150-0158>	J3E/U		CHN	UNID	CHINESE NON-HAM SPEAKERS.		ARSI	
10150		2009	11	24		<0315-0326>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14000	3	2009	11	9	<08:20-23:04-23:30		J3E/U	315	CLN		2 males pass coded msgs	OF84wx	WIA	
14000	3	2009	11	24			J3E/U	315	CLN		Group of males	OF84wx	WIA	
14000	3	2009	11	25	<06:25-0300-1000		J3E/U	315	CLN		2 males	OF84wx	WIA	
14000	3	2009	11	9			J3E/U				DAILY, ASIAN	QG52XI	WIA	
14000		2009	11	01	<02:02>	0202	PXX	300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14000		2009	11	05	<2110>	2110	N0N		?	Unid	Carrier Permanently on this frequency	RF72IS	NZART	ZL1BYA
14000		2009	11	DY		HX24	J3E/U		INS	Unid	Non-Amateurs	RF72LQ	NZART	ZL1BAD
14000		2009	11	21		<0300-0310>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14001.3	3	2009	11	25	<06:27-		J3E/U	360	INS		2 males	OF84wx	WIA	
14003.3		2009	11	17		<1310-1318>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14005		2009	11	21		<0330-0340>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14005.7	3	2009	11	26	<23:26		J3E/U	315	CLN		2 males	OF84wx	WIA	
14006.4	3	2009	11	24	0930		J3E/U				SPANISH	QG52XI	WIA	
14010		2009	11	12		<0905-0912>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14010		2009	11	22		<0300-0315>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14016	3	2009	11	21	<23:00		J3E/U	315	CLN		2 males	OF84wx	WIA	
14019.8		2009	11	15		<1055-1110>	J3E/U		UNID	UNID	OM CALLING "CONTACT" MANY TIMES, NO SUCCESS		ARSI	
14028	3	2009	11	22	<08:33-08:55		J3E/U	315	CLN		2 males	OF84wx	WIA	
14030	3	2009	11	15	<09:20		J3E/U	360	INS		Male-female	OF84wx	WIA	

14033		2009	11	12		<1130-1143>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14033.7	3	2009	11	12	<08:24>23:30-		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14033.8	3	2009	11	5	00:15		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14033.9	3	2009	11	9	0925		J3E/U				ASIAN, PROBABLY CHINESE	QG52XI	WIA	
14033.9	3	2009	11	12	2200-1015		J3E/U				ASIAN	QG52XI	WIA	
14034		2009	11	15		<0400-0415>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14036.8	3	2009	11	26	<23:25		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14040.2	3	2009	11	3	0845		J3E/L				ASIAN, NOT CHINESE	QG52XI	WIA	
14042.5	3	2009	11	21	1030		J3E/U				ASIAN	QG52XI	WIA	
14045.7	3	2009	11	11	<23:05-23:45		J3E/L	315	CLN		Group of males	OF84wx	WIA	
14046	3	2009	11	12	0910		J3E/U		CHN		CHINESE	QG52XI	WIA	
14048	3	2009	11	14	2150		J3E/U				ASIAN	QG52XI	WIA	
14050	100	2009	11	3	0845		P0N				OTHR, SHORT BURSTS	QG52XI	WIA	
											RUSSIAN-INTERSPERSED WITH WEIRD DATA MODE - SEE ENTRY BELOW			
14050	3	2009	11	23	0800		J3E/U		RUS			QG52XI	WIA	
14050	10	2009	11	23	0800		J3E/U		RUS		LIKELY RUSSIAN - SEE ABOVE			
14050				30		<0850-0858>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14050.2	3	2009	11	1	0825		J3E/L				ASIAN	QG52XI	WIA	
14053.78		2009	11	01	<02:12><00:00-01:31	0212	PXX	300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14055	3	2009	11	15	01:31		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14055	3	2009	11	19	<00:05		J3E/U	315	CLN		2 males	OF84wx	WIA	
14055	3	2009	11	12	0945		J3E/U				DAILY, TAGALOG OR BAHASA	QG52XI	WIA	
14055		2009	11	15		<0350-0358>	J3E/U		CHN	UNID	CHINESE NON-HAM SPEAKERS.		ARSI	
14055		2009	11	15		<1055-110>	J3E/U		CHN	UNID	CHINESE NON-HAM SPEAKERS.		ARSI	
14055.6	3	2009	11	3	1000		J3E/U				DAILY, ASIAN, PROBABLY CHINESE	QG52XI	WIA	
14056.3	3	2009	11	23	0800		J3E/U				DAILY, TAGALOG OR BAHASA	QG52XI	WIA	
14056.6	3	2009	11	8	0800		J3E/U				ASIAN, PROBABLY CHINESE	QG52XI	WIA	
14057		2009	11	12		<0345-0355>	J3E/U		CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14059.8	3	2009	11	16	0930		J3E/U				ASIAN, PROBABLY CHINESE	QG52XI	WIA	
14060	4	2009	11	29	1315		PXX		UNID	Unid	OTHR?	OL72AH	HARTS	
14062.2	3	2009	11	25	23:00-23:20		J3E/U	315	CLN		Group of males	OF84wx	WIA	
14066.5	3	2009	11	12	<23:01-		J3E/U	360	INS		Group of males	OF84wx	WIA	

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					0800				Transmissions				
14109.8	3	2009	11	7	00:00-00:15	J3E/U	315	CLN	2 males pass coded msgs	OF84wx	WIA		
14110	3	2009	11	4	<23:45	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	10	<23:00	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	11	<23:10-00:25	J3E/U	315	CLN	Group of males, intermittent on-off	OF84wx	WIA		
14110	3	2009	11	13	<07:55-08:30	J3E/U	315	CLN	2 males	OF84wx	WIA		
14110	3	2009	11	14	<23:15-00:20	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	15	23:36-00:34	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	17	<23:25-00:30	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	18	<23:45	J3E/U	315	CLN	2 males	OF84wx	WIA		
14110	3	2009	11	24	00:00-00:30	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	26	00:01>23:35-	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	27	23:55	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	28	23:40-00:33	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	29	23:40-00:01	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110	3	2009	11	30	23:41-00:34	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14110		2009	11	DY		HX24 J3E		?	Unid NON-AMATEUR STNS	RF72LQ	NZART	ZL1BAD	
14110.8	3	2009	11	22	<23:00-00:35	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14111	3	2009	11	3	<08:15-09:12	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14111	3	2009	11	6	<23:30-23:55	J3E/U	360	INS	Group of males	OF84wx	WIA		
14111	3	2009	11	18	<00:00-00:39	J3E/U	315	CLN	2 males	OF84wx	WIA		
14111	3	2009	11	21	01:25-01:30	J3E/U	360	INS	2 males	OF84wx	WIA		
14112.1	3	2009	11	19	<23:29-23:35	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14114.6	3	2009	11	17	<00:03-00:17	J3E/U	315	CLN	2 males	OF84wx	WIA		
14115	20	2009	11	29	<06:00>	0630-0705 PXX		?	2 Sec. Tone Mod. Pulse every 1 minute	RF72LQ	NZART	ZL1BAD	
14115.6	3	2009	11	18	<23:08	J3E/U	315	CLN	Group of males	OF84wx	WIA		
14116.6	3	2009	11	23	00:55-01:05	J3E/U	360	INS	2 males QRM to Travellers Net	OF84wx	WIA		

14117.6	3	2009	11	21	02:00-03:03	J3E/L		360	INS		2 males, QRM to Travellers Net	OF84wx	WIA	
14117.8	3	2009	11	10	02:18-02:25	J3E/L		315	CLN		2 males QRM to Traveller's Net	OF84wx	WIA	
14124.5	3	2009	11	24	<23:50-00:30	J3E/L		360	INS		2 males	OF84wx	WIA	
14127.4	3	2009	11	19	<23:55-00:20	J3E/U		360	INS		2 males	OF84wx	WIA	
14137.9	3	2009	11	2	<23:10	J3E/U		315	CLN		Group of males	OF84wx	WIA	
14141.5		2009	11	24		<0315-0320> 1006- J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14143.5		2009	11	16	<10:06>	1009 F1B	75	475	?	Unid	Encrypted. Strange shift. No idea.	RF72IS	NZART	ZL1BYA
14158		2009	11	01	<02:12>	0212 PXX		300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14191		2009	11	01	<06:20>	0620-0753 J7D			?	Unid	8 Channels	RF72IS	NZART	ZL1BYA
14191		2009	11	01	<04:40>	0440-0507 PXX		260	?	Unid	OTHR - Sweep generator?	RF73MF	NZART	ZL1GWE
14210.8				29		<0200-0210> J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14210.8				30		<0340-0346> J3E/U			CLN	UNID	SINHALA SPEAKING OM-OM QSOs		ARSI	
14211		2009	11	01	<02:12>	0212 PXX		300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14220		2009	11	05	<06:45>	0645-0715 F1B		500	?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD
14222	3	2009	11	13	<23:00	J3E/L		315	CLN		2 males	OF84wx	WIA	
14250	6	2009	11	2	<23:00	A3E		360	ROK			OF84wx	WIA	
14250	6	2009	11	10	<23:00	A3E		360	ROK			OF84wx	WIA	
14264		2009	11	01	<02:12>	0212 PXX		300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14277.5	3	2009	11	3	02:15-02:22	J3E/U		360	INS		Male-female pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	2	00:43-00:49	J3E/U		360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	4	00:04-00:09	J3E/U		360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	5	01:46-01:47	J3E/U		360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	5	02:08-02:11	J3E/U		360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	6	02:28-02:29	J3E/U		360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	9	01:40-01:41	J3E/U		360	INS		1 male calling, no reply	OF84wx	WIA	
14277.7	3	2009	11	10	01:27-01:29	J3E/U		360	INS		2 females-1 male pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	12	01:06-01:11	J3E/U		360	INS		Group of males, pass coded msgs	OF84wx	WIA	

14277.7	3	2009	11	17	01:24— 01:37	J3E/U	360	INS		2 groups of males, pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	18	01:11- 01:22	J3E/U	360	INS		Male-female pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	19	00:47- 00:53	J3E/U	360	INS		Male-female	OF84wx	WIA	
14277.7	3	2009	11	20	02:33- 02:37	J3E/U	360	INS		Male-female, pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	21	01:10- 01:11	J3E/U	360	INS		Male-female pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	23	00:44- 00:45	J3E/U	360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	24	00:55- 00:02	J3E/U	360	INS		2 males passing coded msgs	OF84wx	WIA	
14277.7	3	2009	11	25	01:25- 01:30	J3E/U	360	INS		2 male 1 female, pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	25	01:43- 02:07	J3E/U	360	INS		2 males 1 female, pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	26	01:30- 01:31	J3E/U	360	INS		2 males pass coded msgs	OF84wx	WIA	
14277.7	3	2009	11	27	01:47- 01:52	J3E/U	360	INS		2 males passing coded msgs	OF84wx	WIA	
14277.7	3	2009	11	30	00"52- 01:04	J3E/U	360	INS		3 males pass weather info	OF84wx	WIA	
14312.6	3	2009	11	11	<00:07- 00:15	J3E/L	315	CLN		2 males	OF84wx	WIA	
14317		2009	11	01	<02:12> <23:12- 23:30	0212 PXX	300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14323	3	2009	11	11	23:40- 00:00	J3E/U	315	CLN		Group of males	OF84wx	WIA	
14332.8	3	2009	11	23	<23:30- 00:00	J3E/L	315	CLN		Group of males	OF84wx	WIA	
14333	3	2009	11	9	00:00	J3E/U	360			2 males. Chinese	OF84wx	WIA	
14370		2009	11	01	<0212>	0212 PXX	300	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
18165		2009	11	01	<00:03>	0003 N0N	300	?	Unid	Thump Thump in bursts	RF73MF	NZART	ZL1GWE
18183		2009	11	01	<00:24>	0024- 0025 N0N	300	90	Unid	Single tone	RF73MF	NZART	ZL1GWE
21003				28	<0350- 0356>	J3E/U		CHN	UNID	CHINESE NON HAM SPEAKERS		ARSI	
21079.5	23	2009	11	10	<1345- 1356>	0212 PXX 0003 N0N 0024- 0025 N0N 0350- 0356> 1345- 1356>		UNID	UNID	OTHR SPREADING FROM 21068 TO 21091 KHz.		ARSI	
21100	6	2009	11	7	0150	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA	
21125	6	2009	11	24	0900	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA	
21425	6	2009	11	21	0925	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA	
24900	6	2009	11	4	0825	F3E				ASIAN, CB-LIKE	QG52XI	WIA	
24915	6	2009	11	12	0830	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA	
24925	6	2009	11	7	0645	F3E				ASIAN, CB-LIKE	QG52XI	WIA	

24950	10	2009	11	1	0530	P0N	300			OTHR, SHORT BURSTS	QG52XI	WIA
28000	6	2009	11	1	0525	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28015				29		<0300-0312> <1000-1010> J3E/U		CHN	UNID	CHINESE NON HAM SPEAKERS CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28015.8	3	2009	11	20		A3E		CHN	UNID	ASIAN, CB-LIKE		ARSI
28025	6	2009	11	1	0515	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28050	6	2009	11	4	0815	F3E				ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28074.8	3	2009	11	20		<1000-1010> A3E		CHN	UNID	ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28075	6	2009	11	4	0815	F3E				ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28106.3	3	2009	11	20		<1013> A3E		CHN	UNID	ASIAN, CB-LIKE		ARSI
28125	6	2009	11	21	0530	F3E				ASIAN, CB-LIKE	QG52XI	WIA
28187	6	2009	11	21	0530	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28195	6	2009	11	1	0530	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28200	6	2009	11	1	0515	A3E	300			ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28205.3	3	2009	11	20		<1000-1010> A3E		CHN	UNID	CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28274	3	2009	11	20		<1013> A3E		CHN	UNID	ASIAN, CB-LIKE		ARSI
28275	6	2009	11	4	0815	F3E	300			ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28315.6	3	2009	11	20		<1000-1010> A3E		CHN	UNID	ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28316	6	2009	11	15	0515	A3E	300			ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28317.2	3	2009	11	20		<1013> A3E		CHN	UNID	ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28360	6	2009	11	4	0815	F3E				ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28367	3	2009	11	20		<1000-1010> A3E		CHN	UNID	CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28380	3	2009	11	20		<1000-1010> A3E		CHN	UNID	CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28405.8	3	2009	11	20		<1000-1010> A3E		CHN	UNID	CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28485.5	3	2009	11	20		<1012> A3E		CHN	UNID	CHINESE NON HAM SPEAKERS VERY STRONG.		ARSI
28555	6	2009	11	15	0525	A3E	300			ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28568	3	2009	11	20		<1010> A3E		CHN	UNID	ASIAN, CB-LIKE		ARSI
28600	6	2009	11	21	0530	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28625	6	2009	11	1	0525	A3E	300			ASIAN, CB-LIKE	QG52XI	WIA
28664	6	2009	11	15	0515	A3E	300			ASIAN, CB-LIKE CHINESE NON HAM SPEAKERS VERY STRONG.	QG52XI	WIA
28756	3	2009	11	20		<1011> A3E		CHN	UNID	ASIAN, CB-LIKE		ARSI
28850	6	2009	11	21	0530	F3E	300			ASIAN, CB-LIKE	QG52XI	WIA

28870	6	2009	11	21	0530	A3E	300	ASIAN, CB-LIKE	QG52XI	WIA
28913	6	2009	11	15	0515	F3E	300	ASIAN, CB-LIKE	QG52XI	WIA
29075	6	2009	11	21	0530	F3E	300	ASIAN, CB-LIKE	QG52XI	WIA
29425	6	2009	11	15	0515	F3E	300	ASIAN, CB-LIKE	QG52XI	WIA
29690	6	2009	11	21	0525	F3E	300	ASIAN, CB-LIKE	QG52XI	WIA
29700	6	2009	11	1	0525	F3E	300	ASIAN, CB-LIKE	QG52XI	WIA