



# INTERNATIONAL AMATEUR RADIO UNION

## REGION THREE

### MONITORING SYSTEM REPORT



January 2010

Peter Young VK3MV

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

Advice has been received from ARSI, that Datta, VU2DSI is unable to take up the role as the monitoring coordinator due to a change in QTH and is unable to erect antenna at the new location. Arasu, VU2UR has generously agreed to undertake the role.

ARSI report the intrusions of regional broadcast stations and low power pirate fishing boats.

JARL reports the usual intrusions from broadcast stations in Russia, North Korean and China as well the numerous 40 meter CW beacon stations.

HARTS, NZART and WIA report various Over the Horizon Radar systems in or around the 40 meter and 20 meter bands. Further directional information is being obtained.

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

Thank you to all the regional observers for their reports. Keep them coming.



kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
3508.99	0.5	2010	01	07		<21:45>	A1A						Train of " T "		JARL
3555	3	2010	01	31	13:20	<1320>	A1E						CHIRPING CW	OL72AH	HARTS
3560		2010	01	DY	<0900>	0900-2100	A3E					R. Voice of Korea	B-C Station	RF72LQ	NZART ZL1BAD
3560	3	2010	01	01	0916		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	3	2010	01	01	1228		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	3	2010	01	01	1310		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	3	2010	01	01	1602		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	5	2010	01	01	1814		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	01	01	1924		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL Kujang
3560	5	2010	01	01	2028		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	02	0820		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL Kujang
3560	5	2010	01	02	1112		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL Kujang
3560	5	2010	01	02	1318		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	3	2010	01	02	1404		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	02	1602		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	02	1808		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	3	2010	01	02	2044		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	3	2010	01	02	2104		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
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3560	3	2010	01	03	1238		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	3	2010	01	03	1404		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	5	2010	01	03	1830		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	3	2010	01	03	2016		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	04	1208		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	3	2010	01	04	1602		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	04	1926		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	05	1228		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
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3560	5	2010	01	05	1602		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	5	2010	01	05	1830		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
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3560	3	2010	01	06	1124		A3E			321	KRE	Vo Korea	Chinese Talk and Music		JARL Kujang
3560	3	2010	01	06	1214		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	3	2010	01	06	1514		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	01	06	1936		A3E			321	RUS	Vo Korea	Spanish Talk and Music		JARL Kujang
3560	5	2010	01	06	2014		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	01	07	1200		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	01	07	1408		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	5	2010	01	07	1602		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	5	2010	01	07	1916		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL Kujang
3560	5	2010	01	07	2036		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang

3560	3	2010	01	08	0816	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
3560	5	2010	01	08	1216	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	01	08	1604	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	08	1928	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3	2010	01	09	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	01	09	1412	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	09	1936	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3	2010	01	10	1224	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	01	10	1408	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	10	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	10	1906	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	5	2010	01	10	2004	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	3	2010	01	11	1204	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	01	11	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	11	1800	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	01	11	1900	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3	2010	01	12	1210	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	3	2010	01	12	1400	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	3	2010	01	12	1504	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	01	12	1606	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	12	1804	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	3	2010	01	13	1304	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	5	2010	01	13	1802	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	3	2010	01	15	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	15	1810	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	01	15	1900	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
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3560	5	2010	01	16	1802	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	3	2010	01	17	0830	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
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3560	5	2010	01	17	1812	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	5	2010	01	17	2030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	3	2010	01	18	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	01	18	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
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3560	5	2010	01	19	1602	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2010	01	19	1808	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	5	2010	01	24	1824	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	5	2010	01	25	1826	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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3560	5	2010	01	26	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

3560	5	2010	01	26	1602		A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	5	2010	01	26	1808		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	3	2010	01	26	2142		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	3	2010	01	27	1214	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
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3560	3	2010	01	29	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
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3560	5	2010	01	29	2006		A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	3	2010	01	29	2206		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3	2010	01	30	0918		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	3	2010	01	30	1210		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
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3560	5	2010	01	30	1904		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	5	2010	01	30	2004		A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
3560	3	2010	01	31	0926		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
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3560	5	2010	01	31	1810		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
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3560	3537.5	2010	01	19	21:45	<21:45>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560.00	6	2010	01	07		<21:46>	A3E				News in Korean language	JARL		
3560.00	6	2010	01	12		<20:18>	A3E				News in Korean language	JARL		
3560.00	6	2010	01	19		<07:16>	A3E				News in ? Language	JARL		
3560.00	6	2010	01	20		<16:36>	A3E				News in Korean language	JARL		
3560.00	6	2010	01	29		<17:47>	A3E				News in Korean language	JARL		
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3583.00	0.5	2010	01	20		<16:42>	A1A ?				only carrier	JARL		

3621.0	3	2010	1	9	1800		J1C		Unid		QG52XI	WIA	
3798	60	2010	01	15	<1100>	1100-1114	PXX	?	Unid	OTHR suspected Chinese Beijing Buzzard	RE89BT	NZART	ZL2SKY
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7000		2010	01	05	<1000>	1137	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	07	<0943>	0943	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	08	<0947>	0947-1140	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	09	<0958>	0958-1152	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
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7000		2010	01	15	<0936>	0936	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	18	<1002>	1002-1005	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	19	<0934>	0934	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	20	<0945>	0945-1130	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	21	<1030>	1030	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	22	<0949>	0949	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	24	<0942>	0942-1140	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	25	<0940>	0940-1146	J3E/L	INS	Unid	Indonesian pirates.	RF72IS	NZART	ZL1BYA
7000		2010	01	DY		HX24	J3E/L	?	Unid	non Amateurs	RF72LQ	NZART	ZL1BAD
7000		2010	01	DY		HX24	J3E/U	?	Unid	non Amateurs	RF72LQ	NZART	ZL1BAD
7000	3	2010	01	19		<0605-0615>	A3E	UNID	IND-AIR	WEAK TELUGU SPURIOUS; PARALLEL TO 7420 Khz. SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7000.5		2010	01	10		<0110-0120>	J3E/L	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7001.5	03	2010	01	22	<1023>	1023	P0N	CHN	Unid	O.T.H.R. at 43.1 ppsec	RF72IS	NZART	ZL1BYA
7002	04	2010	01	25	<0940>	0940-1146	P0N	CHN	Unid	O.T.H.R. at 43.1 ppsec	RF72IS	NZART	ZL1BYA
7002.5	5	2010	01	11	<0830>	0830-0840	A3E/U	INS	Unid	Asian speaking S8 several conversations	RF80HL	NZART	ZL2IFB
7003		2010	01	02		<0200-0210>	J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7004		2010	01	04		<0310-0325>	J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7005		2010	01	13		<0230-0245>	J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7008	16	2010	01	08	<1026>	1026-1140	P0N	CHN	Unid	O.T.H.R. at 43.1 ppsec	RF72IS	NZART	ZL1BYA

7008		2010	01	06	<0350-0400>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	07	<0240-0250>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	08	<0220-0240>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	09	<0330-0540>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	10	<0200-0215>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	14	<0230-0240>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	20	<0200-0220>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7008		2010	01	27	<0245-0255>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7010.0	3	2010	1	12	0930	J3E/U			Unid	VAGUELY SPANISH-SOUNDING OM-YL QSO IN INDONESIAN, NON-AMATEUR STATIONS.	QG52XI	WIA
7010		2010	01	03	<1410-1420>	J3E/U		INS	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7010		2010	01	08	<0150-0158>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7010		2010	01	09	<0215-0725>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7010		2010	01	19	<1310-1325>	J3E/U		INS	UNID	OM-YL QSO IN INDONESIAN, NON-AMATEUR STATIONS.	MK82	ARSI
7010.7		2010	01	16	<0230-0248>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7011		2010	01	11	<0220-0235>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7011		2010	01	14	<0230-0240>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7011		2010	01	28	<0230-0245>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7012		2010	01	08	<0210-0220>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7012	4	2010	01	15	<1115-1125>	A3E		IND	AIR-CHENNAI	TAMIL CL;ASSICAL MUSIC FROM CHENNAI—SPURIOUS.	MK82	ARSI



7014.5	3.3	2010	01	05	<0840>	0840-0900	M7B			?	Unid	Phase Mod. Multi-channel	RF72LQ	NZART	ZL1BAD
7015.0	3	2010	1	12	0930		J3E/U			INS	Unid	BAHASA	QG52XI	WIA	
7015		2010	01	20	<0948>	0948-1130	F1B	50	200	RUS	REA4	Russian Military	RF72IS	NZART	ZL1BYA
7015	30	2010	01	16	<1900>	1900	PXX			?	Unid	2 P.P.S OTHR	RF72LQ	NZART	ZL1BAD
7015	30	2010	01	21	<1800>	1800-1900	PXX			?	Unid	2 P.P.S. OTHR	RF72LQ	NZART	ZL1BAD
7015	30	2010	01	23	<1815>	1815-1900	PXX			?	Unid	2 P.P.S OTHR	RF72LQ	NZART	ZL1BAD
7017		2010	01	03		<1330-1359>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7017		2010	01	08		<0202-0210>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7017		2010	01	19		<1325-1335>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7017		2010	01	21		<0300-0310>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7018.0	2	2010	1	1	1800-2100		G7D				Unid	DAILY, 2 PSK CHANNELS 1 KHZ SPACING	QG52XI	WIA	
7018		2010	01	04	<1145>	1145-1157	F1B	50	200	RUS	REA4	Russian Military	RF72IS	NZART	ZL1BYA
7018		2010	01	20	<1130>	1130	F1B	50	200	RUS	REA4	Russian Military	RF72IS	NZART	ZL1BYA
7018		2010	01	DY	<1100>	1100-2100	F1B		250	RUS	Unid	Idle Sigs	RF72LQ	NZART	ZL1BAD
7020.5		2010	01	10		<0200-0215>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7022	36	2010	01	21	1810		PXX		non	non	non	7004KHz ~ 7040KHz wide pulse mode PXX OTHR ?	JARL		non
7023	34	2010	01	06	1116		PXX		non	non	non	7006KHz ~ 7040KHz wide pulse mode PXX OTHR ?	JARL		non
7024	36	2010	01	28	1604		PXX		non	non	non	7006KHz ~ 7042KHz wide pulse mode PXX OTHR ?	JARL		non
7024	36	2010	01	28	1804		PXX		non	non	non	7006KHz ~ 7042KHz wide pulse mode PXX OTHR ?	JARL		non
7024	36	2010	01	29	1012		PXX		non	non	non	7006KHz ~ 7042KHz wide pulse mode PXX OTHR ?	JARL		non
7025	3.3	2010	01	21	<0610>	0610-0645	M7B			?	Unid	Phase Mod. Multi-channel	RF72LQ	NZART	ZL1BAD
7025		2010	01	01		<0110-0120>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	02		<0200-0210>	J3E/U			CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	08		<0220-0230>	J3E/U			CLN	UNID	SRI LANKAN FISHING	MK82	ARSI	

					0235>						TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM			
7025		2010	01	10	<0200- 0215>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	11	<0220- 0235>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	16	<0230- 0248>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	20	<0215- 0230>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	22	<0230- 0240>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7025		2010	01	27	<0245- 0255>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7027		2010	01	16	<1900>	1910 F1B	250	?	Unid		Shifted up 10 kHz at 1910	RF72LQ	NZART	ZL1BAD
7030		2010	01	21	<0645>	0705 F1B	250	?	Unid		Encrypted	RF72LQ	NZART	ZL1BAD
7030		2010	01	10	<0100- 0115>	J3E/U		UNID	UNID		NON-AMATEUR OM-OM QSO IN MALAY .	MK82	ARSI	
7030.5		2010	01	08	<0210- 0220>	J3E/U		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7035		2010	01	08	<0130- 0240>	N0N		UNID	UNID		STRONG CARRIER. VERY STRONG	MK82	ARSI	
7035	6	2010	01	08	<0232- 0310>	A3E		IND	DELHI- AIR		SPURIOUS;HINDI NEWS; DELHI HERE INSTEAD OF 7235 Khz	MK82	ARSI	
7035		2010	01	09	<0200- 0215>	J3E/L		CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7037		2010	01	16	<1910>	1930 F1B	250	?	Unid		Idle only	RF72LQ	NZART	ZL1BAD
7037		2010	01	27	<1910>	1910 F1B	250	?	Unid		Idle sigs only	RF72LQ	NZART	ZL1BAD
7037		2010	01	30	<1730>	1730- 1930 F1B	250	?	Unid		Idle sigs	RF72LQ	NZART	ZL1BAD
7038.8		2010	01	16	<0230- 0248>	A1A		RUS	D		SINGLE LETTER BEACONS FROM RUSSIA	MK82	ARSI	
7038.98	0.5	2010	01	19	<07:11>	A1A					Train of "C"		JARL	
7038.99	0.5	2010	01	19	<07:07>	A1A					Train of " D " Astrakhan (No call sign) Beacon		JARL	
7039		2010	01	DY		H24 A1A		RUS	A		A	RF72LQ	NZART	ZL1BAD
7039		2010	01	DY		H24 A1A		RUS	RJS		Vladivostok - Beacon F	RF72LQ	NZART	ZL1BAD
7039		2010	01	DY		H24 A1A		RUS	RMP		Kaliningrad - Beacon P	RF72LQ	NZART	ZL1BAD

7039.0		2010	01	DY		H24	A1A		RUS	RIW	Moscow - Beacon C	RF72LQ	NZART	ZL1BAD
7039	0.5	2010	01	01	0012		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	0106		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	0212		A1A	352	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	0322		A1A	321	KRE	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	0706		A1A	314	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	0912		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	1312		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	1812		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	01	2022		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	01	2246		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	01	2304		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	0012		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	0132		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	0208		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	0322	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	01	02	0702		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	0814		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	1310		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	1312		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	02	2122		A1A	325	RUS	C--signal	Beacon		JARL	Moscow
7039	0.5	2010	01	02	2242		A3E	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	02	2334		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0022		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0114		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0204		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0332		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0714		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	0824		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	03	1410		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	03	2006		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	03	2008		A1A	325	RUS	C--signal	Beacon		JARL	Moscow
7039	0.5	2010	01	03	2320		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	04	0312		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	04	0722		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	04	1922		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs
7039	0.5	2010	01	04	1924		A1A	325	RUS	C--signal	Beacon		JARL	Moscow
7039	0.5	2010	01	04	2212		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	04	2320		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	05	0132		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	05	0710		A1A	321	RUS	F--signal	Beacon		JARL	Vladivostok
7039	0.5	2010	01	05	1332		A1A	314	RUS	K--signal	Beacon		JARL	Petropavlovs

7039	0.5	2010	01	05	1834	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	05	1926	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	05	1928	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	05	2340	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	0012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	0722	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	1114	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	06	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	06	1932	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	06	1934	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	06	2006	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	06	2008	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	06	2122	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	06	2248	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	06	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	07	0032	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	07	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	07	0742	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	07	1912	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	07	2032	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	07	2322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	0042	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	0812	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	1602	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	08	1922	anytime	A1A	314	RUS	K--signal	Beacon	PM97	Petropavlovs
7039	0.5	2010	01	08	1926	A3E	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	08	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	08	2218	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	08	2346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	09	0032	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	09	0344	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	09	0834	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	09	1218	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	09	1410	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	09	1932	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	09	2226	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	09	2342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	10	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	

7039	0.5	2010	01	10	0312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	10	0722	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	10	1218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	10	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	10	1418	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	10	1910	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	10	2222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	10	2346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	11	0034	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	11	0312	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	11	0742	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	11	1218	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	11	1804	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	11	1806	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	11	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	11	2210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	11	2342	A3E	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	12	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	12	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	12	0346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	12	0722	anytime	A1A	321	RUS	F--signal	Beacon	PM97	Vladivostok
7039	0.5	2010	01	12	1614	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	12	2240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	12	2306	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	13	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	13	0728	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	13	0932	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	13	1810	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	01	13	2240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	13	2322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	0046	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	0710	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	1126	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	1216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	2218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	14	2342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	15	0032	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	15	0318	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	15	1908	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	01	15	2022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	01	15	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	

7039	0.5	2010	01	15	2346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	16	0004	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	16	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	16	0334	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	16	0742	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	16	2332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	17	0042	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	17	0336	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	01	17	0824	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	17	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	17	1406	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	17	2034	A1A	325	RUS	C--signal	Beacon	JARL	Moscow		
7039	0.5	2010	01	17	2348	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	18	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	18	0338	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	18	0722	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	18	0906	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	18	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	19	2338	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	19	0128	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	19	0346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	19	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	19	1820	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	19	2022	A1A	325	RUS	C--signal	Beacon	JARL	Moscow		
7039	0.5	2010	01	20	0132	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	20	0346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	20	0912	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	20	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	20	2012	A1A	325	RUS	C--signal	Beacon	JARL	Moscow		
7039	0.5	2010	01	21	0142	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	21	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	21	0732	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	21	0734	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	22	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	22	0922	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	22	1816	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	22	1820	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	23	0338	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	23	0712	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	23	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		
7039	0.5	2010	01	24	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok		
7039	0.5	2010	01	24	1206	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs		

7039	0.5	2010	01	24	1610	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	24	1906	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	25	0322	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	01	25	1210	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	25	2220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	26	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	27	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	27	1822	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	28	1926	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	29	2012	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	30	0926	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	30	1816	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	30	1820	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	01	30	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	30	1908	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	01	30	2006	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	31	1806	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	01	31	1904	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039		2010	01	02		<0200-0210>	A1A	RUS	C, D	SINGLE LETTER BEACONS FROM RUSSIA	MK82	ARSI
7039.10	0.5	2010	01	19		<07:08>	A1A			Train of " F "	JARL	
7039.16	0.5	2010	01	23		<13:02>	A1A			Train of " F "	JARL	
7039.16	0.5	2010	01	23		<13:02>	A1A			Train of " K " very weak signal	JARL	
7039.2		2010	01	16		<0230-0248>	A1A	RUS	C	SINGLE LETTER BEACONS FROM RUSSIA	MK82	ARSI
7039.25	0.5	2010	01	12		<20:20>	A1A			Train of " F "	JARL	
7039.3		2010	01	DY		H24	A1A	RUS	RCC	Petropavlovsk - Beacon K	RF72LQ	NZART ZL1BAD
7039.35	0.5	2010	01	10		<16:30>	A1A			Train of " F "	JARL	
7039.4		2010	01	DY		H24	A1A	RUS	RTS	Magadan - Beacon M	RF72LQ	NZART ZL1BAD
7039.44	0.5	2010	01	08		<11:21>	A1A			Train of " F "	JARL	
7039.49	0.5	2010	01	20		<16:33>	A1A			Train of " F "	JARL	
7039.7		2010	01	DY		H24	A1A	RUS	RCV	Sevastopol - Beacon D	RF72LQ	NZART ZL1BAD
7039.9		2010	01	DY		H24	A1A	RUS	RIT	Severomorsk - Beacon S	RF72LQ	NZART ZL1BAD
7040	80	2010	01	21	<1800>	1800-1900	PXX	?	Unid	10 P.P.S OTHR SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY - 2 OM	RF72LQ	NZART ZL1BAD
7040		2010	01	09		<0500-0520>	J3E/U	CLN	UNID		MK82	ARSI
7042	84	2010	01	24	<0949>	0949-1140	P0N	CHN	Unid	O.T.H.R. at 43.1 ppsec Russian Military, The "Un-professional" sound!	RF72IS	NZART ZL1BYA
7044		2010	01	04	<1125>	1125	F7D	RUS	REA4	Unknown type sig. Similar sound to ionospheric sounder - but NOT	RF72IS	NZART ZL1BYA
7045	6	2010	01	DY	<1130>	1130-2115	F1D	?	Unid		RF72LQ	NZART ZL1BAD

7045		2010	01	09		<0200-0215>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7052.5	51	2010	01	06	<0933>	0933-1126	P0N		CHN	Unid	O.T.H.R. At 43 .1 ppsec Spluttering badly	RF72IS	NZART	ZL1BYA
7054		2010	01	DY	<0615>	0615-2000	F1B	250	RUS	Unid	Idling sigs only	RF72LQ	NZART	ZL1BAD
7054.4		2010	01	10		<0200-0215>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7055	50	2010	01	13	<1915>	1915-1940	PXX		?	Unid	OTHR	RF72LQ	NZART	ZL1BAD
7059	50	2010	01	12	<0933>	0933	P0N		CHN	Unid	O.T.H.R. At 43.1 ppsec O.T.H.R. At 43.1 ppsec, On top of emergency frequency of 7045 kHz	RF72IS	NZART	ZL1BYA
7060	70	2010	01	20	<0953>	0953-1130	P0N		CHN	Unid		RF72IS	NZART	ZL1BYA
7060	80	2010	01	05	<0815>	0845-1730	PXX		?	Unid	OTHR	RF72LQ	NZART	ZL1BAD
7060	80	2010	01	09	<1800>	1800	PXX		?	Unid	OTHR	RF72LQ	NZART	ZL1BAD
7061	54	2010	01	13	<1024>	1024-1145	P0N		CHN	Unid	O.T.H.R. At 43.1 ppsec On top of emergency frequency of 7045 kHz	RF72IS	NZART	ZL1BYA
7065		2010	01	08		<0210-0220>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7066	90	2010	01	05	<1005>	1005-1137	P0N		CHN	Unid	O.T.H.R. 43.1 ppsec. Spluttering badly.	RF72IS	NZART	ZL1BYA
7067.5	85	2010	01	08	<0930>	0930-1140	P0N		CHN	Unid	O.T.H.R. at 86.1 ppsec Note it is using the same frequencies as the 431.	RF72IS	NZART	ZL1BYA
7070		2010	01	09		<0830-0853>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7073		2010	01	09		<0830-0853>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7075	30	2010	01	05	<1700>	1700-1730	PXX		?	Unid	2 P.P.S. OTHR	RF72LQ	NZART	ZL1BAD
7075	30	2010	01	31	<1700>	1700-1730	PXX		?	Unid	2 P.P.S OTHR	RF72LQ	NZART	ZL1BAD
7081	17	2010	01	25	<0949>	0949-0954	PXX		?	Unid	Codar sea state radar	RF72IS	NZART	ZL1BYA
7083	34	2010	01	11	1604		PXX	non	non	non	7066KHz ~ 7100KHz wide pulse mode PXX OTHR ?		JARL	non
7084	32	2010	01	18	<0945>	0945	PXX		?	Unid	Codar sea state radar	RF72IS	NZART	ZL1BYA
7084	36	2010	01	30	1824		PXX	non	non	non	7066KHz ~ 7102KHz wide pulse mode PXX OTHR ?		JARL	non
7090	3	2010	01	06	<1800>	1800-2000	A3C		?	Unid	H.F. Fax. Possibly 3f of 2363kHz (other reports say Russian?)	RF72LQ	NZART	ZL1BAD
7090	3	2010	01	07	<0600>	0600	A3C		?	Unid	H.F. Fax. Possibly 3f of 2363kHz (other reports say Russian?)	RF72LQ	NZART	ZL1BAD



7091	3	2010	01	20	<1545>	1545-2105	PXX		?	Unid	Rhythmic "chuffing" sound, bursts, random length	RF72LQ	NZART	ZL1BAD
7094.5	35	2010	01	12	<0939>	0939	PXX		?	Unid	Codar sea state radar	RF72IS	NZART	ZL1BYA
7095	34	2010	01	12	0114		PXX	non	non	non	7078KHz ~ 7112KHz wide pulse mode PXX OTHR ?		JARL	non
7098		2010	01	03		<0220-0240>	J3E/L		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7100.0	6	2010	1	9	1830		A3E		NKR	Unid		QG52XI	WIA	
7100.0	10	2010	1	25	0030		PXX			Unid	UNKNOWN DATA MODE	QG52XI	WIA	
7100		2010	01	DY	<1800>	1800-2000	A3E		KRE	R.Voice of Korea.	B.C. Stn. Pyongyang.	RF72LQ	NZART	ZL1BAD
7100	30	2010	01	19	<1125>	1125	PXX		?	Unid	Pulses at 2 per second	RF72LQ	NZART	ZL1BAD
7100	3	2010	01	01	1810		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2010	01	01	1920		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2010	01	01	2020		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2010	01	02	1806		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	02	2040		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	03	2004		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2010	01	04	1920		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2010	01	06	1930		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2010	01	06	2004		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2010	01	07	1910		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2010	01	07	2030		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	5	2010	01	08	1920		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	3	2010	01	09	1930		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	5	2010	01	13	1800		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	5	2010	01	15	1904		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	3	2010	01	16	1810		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	16	1906		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	3	2010	01	17	1814		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	17	1924		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	3	2010	01	17	2032		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	18	1800		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	18	1900		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7100	36	2010	01	18	1908		PXX	non	non	non	7096KHz ~ 7132KHz wide pulse mode PXX OTHR ?		JARL	non
7100	3	2010	01	19	1812		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	19	2012		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7100	3	2010	01	21	1806	anytime	A3E	321	KRE	Vo Korea	French Talk and Music	PM97	JARL	Kujang
7100	3	2010	01	22	1812		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	23	1832		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	24	1820		A3E	321	KRE	Vo Korea	French Talk and Music		JARL	Kujang
7100	3	2010	01	24	1904		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang

7100	3	2010	01	25	1820	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	26	1806	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	26	1930	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7100	3	2010	01	27	1810	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	5	2010	01	27	2020	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7100	3	2010	01	28	1800	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	28	1920	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7100	5	2010	01	29	1812	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	30	1810	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	30	1902	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7100	3	2010	01	31	1804	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang	
7100	3	2010	01	31	1902	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7105	34	2010	01	21	<1038>	1038-1046. PXX		?	Unid PBS Nei	CODAR sea state radar	RF72IS	NZART	ZL1BYA
7105	5	2010	01	01	2240	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	01	2242	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	3	2010	01	01	2256	A3E	non	non	PBS Nei Meng	Chinese Talk and Music Program end after QRT	22:57 UTC	JARL	non
7105	5	2010	01	01	2300	A3E	273	CHN	non	Chinese Talk and Music 5+1 2sec late after QRT	23:00UTC Time signal	JARL	Hohhot
7105	5	2010	01	02	2236	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	02	2238	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	04	2206	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	04	2208	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	06	2240	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	06	2242	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	3	2010	01	06	2256	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	06	2300	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot	
7105	5	2010	01	08	2210	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	08	2212	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	09	2220	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	09	2222	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	10	2216	A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	10	2218	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	11	2204	A3E	273	CHN	Meng	Chinese Talk and Music	JARL	Hohhot	
7105	3	2010	01	11	2206	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	3	2010	01	12	1402	A3E	non	CHN	non	Chinese Talk and Music	JARL	non	
7105	5	2010	01	12	1500	A3E	273	CHN	PBS Nei	Chinese Talk and Music	15:00 UTC	JARL	Hohhot

7105	5	2010	01	12	1600	A3E	273	CHN	Meng	Time signal 5+1 on time				
									PBS Nei	Chinese Talk and Music	16:00 UTC	Time signal	JARL	Hohhot
									Meng	5+1 on time	16:04 QRT		JARL	Hohhot
7105	5	2010	01	12	2234	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	12	2300	A3E	273	CHN	PBS Nei	Chinese Talk and Music	23:00 UTC		JARL	Hohhot
									Meng	Time signal 5+1 on time			JARL	Hohhot
7105	5	2010	01	13	1206	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	13	1300	A3E	273	CHN	PBS Nei	13:00 UTC	no time signal		JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	13	1510	A3E	273	CHN	PBS Nei	Chinese Talk and Music	16:00 UTC	Time signal	JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	13	1600	A3E	273	CHN	PBS Nei	5+1 on time	16:04 QRT		JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	13	2230	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	non
7105	3	2010	01	13	2232	A3E	non	CHN	PBS Nei	Chinese Talk and Music			JARL	non
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	14	1124	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	14	1200	A3E	273	CHN	PBS Nei	Time signal 5+1	8sec late	12:00 UTC	JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	14	1500	A3E	273	CHN	PBS Nei	Chinese Talk and Music	15:00 UTC	no time signal	JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	14	1600	A3E	273	CHN	PBS Nei	Chinese Talk and Music	16:00 UTC	no	JARL	Hohhot
									Meng	time signal	16:04 QRT		JARL	Hohhot
7105	5	2010	01	14	2210	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	non
7105	3	2010	01	14	2212	A3E	non	CHN	PBS Nei	Chinese Talk and Music			JARL	non
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	15	1208	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	15	1500	A3E	273	CHN	PBS Nei	Chinese Talk and Music	15:00 UTC	no time signal	JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	3	2010	01	15	1600	A3E	273	CHN	PBS Nei	Chinese Talk and Music	16:00 UTC	no	JARL	Hohhot
									Meng	time signal	16:04 QRT		JARL	Hohhot
7105	5	2010	01	15	2210	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	non
7105	3	2010	01	15	2212	A3E	non	CHN	PBS Nei	Chinese Talk and Music			JARL	non
									Meng	Chinese Talk and Music			JARL	Hohhot
7105	5	2010	01	25	2210	A3E	273	CHN	PBS Nei	Chinese Talk and Music			JARL	Hohhot
									Meng	Chinese Talk and Music			JARL	non
7105	3	2010	01	25	2212	A3E	non	CHN	PBS Nei	Chinese Talk and Music			JARL	non
									Meng	Chinese Talk and Music			JARL	non
7105	3	2010	01	25	2254	A3E	non	CHN	PBS Nei	Program end after QRT	22:57 UTC		JARL	non
									Meng	Chinese Talk and Music			JARL	non
7105	5	2010	01	25	2258	A3E	273	CHN	PBS Nei	Chinese Talk and Music	23:00 UTC	Time signal	JARL	Hohhot
									Meng	5+1 2sec late after QRT			JARL	Hohhot
7105	1	2010	01	26	2157	A0A	non	non	PBS Nei	no modulation			JARL	non
									Meng	Chinese Talk and Music	21:57:18 UTC	on air	JARL	non
7105	5	2010	01	26	2158	A3E	273	CHN	PBS Nei	Chinese Talk and Music	21:58:06 UTC		JARL	Hohhot
									Meng	Program start			JARL	Hohhot
7105	3	2010	01	26	2200	A3E	non	CHN	PBS Nei	Chinese Talk and Music	22:00 UTC		JARL	non
									Meng	Program start			JARL	non

7105	5	2010	01	26	2200		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music Time signal 5+1 2sec late	22:00 UTC	JARL	Hohhot
7105	5	2010	01	27	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	01	27	2212		A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105	5	2010	01	29	2208		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	01	29	2210		A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105	5	2010	01	30	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	01	30	2214		A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105	5	2010	01	31	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music		JARL	Hohhot
7105	3	2010	01	31	2212		A3E	non	CHN	non	Chinese Talk and Music		JARL	non
7105.00	6	2010	01	12		<20:25>	A3E				Music		JARL	
7105.00	6	2010	01	19		<06:59>	A3E				News in Chinese language		JARL	
7105.00	6	2010	01	23		<07:24>	A3E				News in Chinese language		JARL	
7105	3	2010	01	18		<2230- 2240>	A3E		UNID	UNID	CHINESE SPEAKER. SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7107		2010	01	22		<0230- 0245>	J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM	MK82	ARSI	
7110.0	6	2010	1	9	1830		A3E		ETH	Unid		QG52XI	WIA	
7110	3	2010	01	02	2058		A3E	non	non	non	unknown Talk and Music		JARL	non
7110	3	2010	01	20	2006		A3E	non	non	non	unknown Talk and Music		JARL	non
7110.00	6	2010	01	10		<16:22>	A3E						JARL	
7110.00	6	2010	01	12		<20:26>	A3E						JARL	
7110.00	6	2010	01	20		<16:21>	A3E						JARL	
7110.00	6	2010	01	23		<09:54>	A3E						JARL	
7110	5	2010	01	03		<1330- 1359>	A3E		ETH	BC	DOMESTIC BROADCAST SERVICE FROM ETHIOPIA.	MK82	ARSI	
7110	5	2010	01	04		<0310- 0325>	A3E		ETH	BC	DOMESTIC BROADCAST SERVICE FROM ETHIOPIA. SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7112		2010	01	20		<0225- 0239>	J3E/U		CLN	UNID	7098KHz ~ 7112KHz wide pulse mode PXX OTHR ?	MK82	ARSI	
7115	34	2010	01	17	0826		PXX	non	non	non			JARL	non
7115.00	6	2010	01	12		<20:27>	A3E						JARL	
7120.00	6	2010	01	29		<17:41>	A3E						JARL	
7124.5		2010	01	31	<0642>	0642	N0N		?	Unid	Carrier	RF73MF	NZART	ZL1GWE
7125.0	6	2010	1	4	0850		A3E		GUI	Unid	RADIO COAKRY	QG52XI	WIA	
7125	3	2010	01	02	2108		A3E	non	non	non	unknown Talk and Music		JARL	non
7125.00	6	2010	01	10		<16:23>	A3E						JARL	
7125.00	6	2010	01	12		<20:28>	A3E						JARL	

7125.00	6	2010	01	19	<06:59>	A3E						JARL	
7125.00	6	2010	01	20	<16:22>	A3E						JARL	
7125.00	6	2010	01	21	<15:52>	A3E						JARL	
7125.00	6	2010	01	23	<07:24>	A3E						JARL	
7125.00	6	2010	01	29	<17:42>	A3E						JARL	
7125	4	2010	01	18	<2230-2240>	A3E	UNID	UNID	UNIDENTIFIED AFRICAN DOMESTIC BROADCASTER.		MK82	ARSI	
7125		2010	01	19	<0605-0615>	J3E/L	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM		MK82	ARSI	
7129.62	?	2010	01	12	<20:29>	?						JARL	
7135.00	6	2010	01	10	<16:24>	A3E						JARL	
7140.0	6	2010	1	4	0850	A3E	NKR	Unid	RADIO KOREA		QG52XI	WIA	
7140	5	2010	01	01	0010	anytime	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7140	5	2010	01	01	0104		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	01	0210		314	RUS	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	01	0320		352	RUS	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2010	01	01	0704		321	RUS	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	01	0910		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	01	1220		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	3	2010	01	01	2026		352	RUS	NVK R	Russian Talk and Music		JARL	Yakutsk
7140	5	2010	01	02	0010		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	02	0130		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	02	0206		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2010	01	02	0320		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	02	0700		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	02	0812		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2010	01	02	1104		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	3	2010	01	02	1106		352	RUS	NVK R	Russian Talk and Music		JARL	Yakutsk
7140	3	2010	01	02	2046		352	RUS	Sakha	Russian Talk and Music		JARL	Yakutsk
7140	3	2010	01	02	2112		352	RUS	NVK R	Russian Talk and Music		JARL	Yakutsk
7140	5	2010	01	03	0020		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	03	0110		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	03	0200		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	5	2010	01	03	0330		321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
7140	5	2010	01	03	0712		321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
7140	5	2010	01	03	0822		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	3	2010	01	03	1110		321	KRE	Vo Korea	Chinese Talk and Music		JARL	Kujang
7140	3	2010	01	03	1112		352	RUS	NVK R	Russian Talk and Music		JARL	Yakutsk

7140	3	2010	01	03	1230	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	03	1232	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	03	1408	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	03	2012	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	04	0310	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2010	01	04	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	04	1202	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	04	1204	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	05	0130	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2010	01	05	0710	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	05	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	05	1222	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	05	1330	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	05	1558	A3E	352	RUS	Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7140	5	2010	01	06	0010	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	06	0340	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	06	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	06	1110	A3E	321	KRE	Vo Korea NVK R	Chinese Talk and Music	JARL	Kujang
7140	3	2010	01	06	1112	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	06	1204	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	06	1206	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	06	2010	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	06	2250	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	07	0030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	07	0340	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	07	0740	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	07	1414	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	07	1558	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	08	0040	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	08	0330	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	08	0810	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2010	01	08	1206	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	08	1208	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk

7140	3	2010	01	08	1600		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	09	0030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	09	0342		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	09	0830		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2010	01	09	1210		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	09	1212		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	09	1406		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	10	0020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	10	0310		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	10	0720		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	10	1212		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	10	1214		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	10	1412	anytime	A3E	352	RUS	NVK R Sakha	Russian Talk and Music PM97	JARL	Yakutsk
7140	3	2010	01	10	1600		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7140	5	2010	01	11	0032		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	11	0310		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	11	0740		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	11	1208		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	11	1210		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	12	0020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	12	0110		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
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7140	3	2010	01	12	0720		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	13	0012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	13	0726		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	13	0930		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	13	1508		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	13	1554		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	14	0044		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	14	0320		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	14	0706		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	14	1118		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang
7140	3	2010	01	14	1120		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	01	14	1202		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	14	1204		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7140	5	2010	01	15	0030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	15	0316	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	15	0704	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	15	0802	A3E	321	KRE	Vo Korea NVK R	Chinese Talk and Music	JARL	Kujang	
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7140	5	2010	01	16	0002	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	16	0120	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	16	0332	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	16	0740	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	17	0040	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	17	0334	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	17	0820	A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang	
7140	3	2010	01	17	1206	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
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7140	5	2010	01	18	0720	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	18	0904	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	18	1206	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	18	1208	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2010	01	19	0126	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	19	0342	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	19	0830	anytime	A3E	321	KRE	Vo Korea	Chinese Talk and Music	PM97	Kujang
7140	3	2010	01	19	1204	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	19	1206	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	01	19	2014	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2010	01	20	0130	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	20	0344	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	20	0910	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	20	1220	A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	20	2008	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2010	01	21	0140	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	21	0320	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	21	0730	A3E	352	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	21	1206	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	5	2010	01	22	0340	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	3	2010	01	22	0920	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	22	1214	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	22	1556	A3E	352	RUS	NVK R	Russian Talk and Music	JARL	Yakutsk	



											Sakha		
7140	5	2010	01	23	0336		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Yakutsk
7140	5	2010	01	23	0710		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	23	1204		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
										NVK R			
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										NVK R			
7140	3	2010	01	23	1558		A3E	352	RUS	Sakha	Russian Talk and Music 16:00UTC 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7140	5	2010	01	24	0320		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2010	01	24	1210		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
										NVK R			
7140	3	2010	01	24	1214		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	3	2010	01	24	1556		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	25	0320		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2010	01	25	1206	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
										NVK R		PM97	
7140	3	2010	01	25	1556		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	3	2010	01	25	2214		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	26	0010		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	26	0340		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	3	2010	01	26	1204		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
										NVK R			
7140	3	2010	01	26	1206		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	3	2010	01	26	1558		A3E	352	RUS	Sakha	Russian Talk and Music 16:00UTC 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7140	3	2010	01	27	0012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	27	0320		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	27	0740		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	27	1204		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
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7140	3	2010	01	27	1206		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	3	2010	01	27	1556		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	5	2010	01	27	2024		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
										NVK R			
7140	5	2010	01	27	2214		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	28	0030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	28	0720		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	3	2010	01	28	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
										NVK R			
7140	3	2010	01	28	1208		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk
7140	5	2010	01	29	0012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7140	5	2010	01	29	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7140	5	2010	01	29	0740		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

7140	3	2010	01	29	1004		A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	29	1006		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	01	29	1202		A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	29	1204		A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	01	29	2008		A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	01	29	2212		A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	5	2010	01	30	0120		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	30	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	3	2010	01	30	0910		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	30	1204		A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	30	1206		A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	01	30	1556		A3E	352	RUS	Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk	
7140	3	2010	01	31	0030		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	31	0340		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7140	5	2010	01	31	0710		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	31	0920		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7140	3	2010	01	31	1206		A3E	321	KRE	Vo Korea NVK R	Korean Talk and Music	JARL	Kujang	
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7140.00	6	2010	01	08		<11:17>	A3E				News in Chinese language	JARL		
7140.00	6	2010	01	10		<16:25>	A3E				News in Korean language	JARL		
7140.00	6	2010	01	12		<20:29>	A3E				Music	JARL		
7140.00	6	2010	01	19		<07:01>	A3E					JARL		
7140.00	6	2010	01	20		<16:23>	A3E					JARL		
7140.00	6	2010	01	21		<15:53>	A3E					JARL		
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7140.00	6	2010	01	23		<12:59>	A3E					JARL		
7140.00	6	2010	01	23		<07:25>	A3E					JARL		
7140.00	6	2010	01	29		<17:43>	A3E				News in Korean language	JARL		
7140.00	6	2010	01	30		<09:03>	A3E				News in Korean language	JARL		
7140.0		2010	01	21	01:37	<0137>					□□□□	JARL		
7140.0		2010	01	27	04:32						□□□□□□□□□□□□	JARL		
7141		2010	01	19		<0632-0642>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7144.98	0.5	2010	01	21		<15:54>	A3E				Train of " T "	JARL		
7145.00	6	2010	01	10		<16:25>	A3E					JARL		

7145.00	6	2010	01	22	<08:49> <1310-1325>	A3E								JARL	
7145	5	2010	01	19		A3E		LAO	BC	FRENCH BROADCAST FROM LAOS		MK82	ARSI		
7150.00	6	2010	01	19	<07:02>	A3E								JARL	
7165	3	2010	01	13	1516	A3E	non	non	non	unknown Talk and Music				JARL	non
7165	5	2010	01	03	<1400-1410> <1315-1325>	A3E		ETH	BC	ARABIC BROADCAST FROM ETHIOPIA.		MK82	ARSI		
7165		2010	01	19		A3E		ETH	BC	BROADCAST FROM ETHIOPIA.		MK82	ARSI		
7170.00	6	2010	01	20	<16:24>	A3E								JARL	
7175.0	6	2010	1	9	1833	A3E		ERI	Unid	VOICE OF THE BROAD MASSES		QG52XI	WIA		
7175	3	2010	01	15	1814	A3E	non	non	non	unknown Talk and Music				JARL	non
7175	5	2010	01	03		A3E		ERI	BC	DOMESTIC BROADCAST SERVICE FROM ERITREA.		MK82	ARSI		
7180	3	2010	01	01	2244	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	01	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	3	2010	01	02	2240	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	02	2330	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	06	2120	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	06	2244	anytime	A3E	321	KRE	Vo Korea	Chinese Talk and Music		PM97	JARL	Kujang
7180	5	2010	01	06	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	07	2320	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	08	2214	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	08	2344	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	09	2224	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	09	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	10	2220	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	10	2344	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	11	2208	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	11	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	12	2238	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	12	2304	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	13	2236	anytime	A3E	321	KRE	Vo Korea	Chinese Talk and Music		PM97	JARL	Kujang
7180	5	2010	01	13	2320	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	14	2216	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	14	2340	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	15	2214	A3E	321	KRE	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	15	2344	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	16	2330	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	17	2346	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	18	2336	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang
7180	5	2010	01	25	2216	A3E	321	RUS	Vo Korea	Chinese Talk and Music				JARL	Kujang
7180	5	2010	01	25	2302	A3E	321	KRE	Vo Korea	Korean Talk and Music				JARL	Kujang

7180	3	2010	01	26	2146		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7180	3	2010	01	26	2204		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7180	5	2010	01	26	2326		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7180	5	2010	01	27	2216		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7180	5	2010	01	27	2340		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7180	5	2010	01	29	2214		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7180	5	2010	01	29	2340		A3E	321	KRE	Vo Korea	Korean Talk and Music 7162KHz ~ 7198KHz wide pulse mode PXX OTHR ?	JARL	Kujang		
7180	36	2010	01	30	0912		PXX	non	non	non		JARL	non		
7180	3	2010	01	30	2216		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7180	3	2010	01	30	2340		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang		
7180	5	2010	01	31	2216		A3E	321	KRE	Vo Korea	Chinese Talk and Music	JARL	Kujang		
7180	5	2010	01	31	2332		A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang	
7180	7100.0	2010	01	7	22:01	<22:01>	A3E 3		KRE		VOICE,MUSIC	JARL			
7180	7100.0	2010	01	15	21:42	<21:42>	A3E 3		KRE		VOICE,MUSIC	JARL			
7180.00	6	2010	01	19		<07:03>	A3E				News	JARL			
7180.00	6	2010	01	23		<07:26>	A3E				News in Chinese language	JARL			
7180	4	2010	01	18		<2230-2240>	A3E		UNID	UNID	UNIDENTIFIED AFRICAN DOMESTIC BROADCASTER.	MK82	ARSI		
7185.00	6	2010	01	23		<07:27>	A3E					JARL			
7186.8		2010	01	21	<1054>	1054	F1B	75	250	?	Unid	Encrypted	RF72IS	NZART	ZL1BYA
7189.5		2010	01	04	<1059>	1059-1117	F1B	75	250	?	Unid	Idling in RY's then off air	RF72IS	NZART	ZL1BYA
7190	6	2010	01	01		<0220-0235>	A3E			CLN	SLBC	BROADCAST FROM SLBC.	MK82	ARSI	
7190	6	2010	01	10		<0110-0120>	A3E			CLN	SLBC	BROADCAST FROM SLBC.	MK82	ARSI	
7200.0	6	2010	1	4	0700-2000		A3E			SIB	Unid	RADIO SAKHA	QG52XI	WIA	
7200.0	6	2010	1	9	1830		A3E			SUD	Unid		QG52XI	WIA	
7200	3	2010	01	01	0708		A3E	352	KRE		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	0914		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	1224		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	1314		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	1558		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	2024		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	3	2010	01	01	2306		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	5	2010	01	02	0704		A3E	352	RUS		Sakha NVK R	Russian Talk and Music	JARL	Yakutsk	
7200	5	2010	01	02	0816		A3E	352	RUS		NVK R	Russian Talk and Music	JARL	Yakutsk	

Time	Day	Year	Month	Day	Sec	Zone	Power	Country	Station	Program	Time	City		
7200	5	2010	01	02	1110	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	02	1408	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	02	1558	A3E	352	RUS	Sakha NVK R	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk		
7200	3	2010	01	02	2048	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	02	2120	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	5	2010	01	02	2244	A3E	321	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	02	2336	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	0026	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	0716	anytime	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	PM97	JARL	Yakutsk
7200	3	2010	01	03	0826	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	1116	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	1234	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	1406	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	03	2010	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	04	0724	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	04	1206	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	04	1558	A3E	352	RUS	Sakha NVK R	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk		
7200	3	2010	01	04	2210	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	05	1226	anytime	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	PM97	JARL	Yakutsk
7200	5	2010	01	05	1556	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	5	2010	01	06	0726	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	06	1120	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	06	1212	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	3	2010	01	06	1510	A3E	352	RUS	Sakha NVK R	Russian Talk and Music	JARL	Yakutsk		
7200	5	2010	01	06	2012	A3E	352	RUS	Sakha	Russian Talk and Music	JARL	Yakutsk		

7200	3	2010	01	06	2126	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	06	2246	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	06	2308	A3E	352	RUS	NVK R Sakha	Russian Talk and music	JARL	Yakutsk
7200	3	2010	01	07	0744	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	07	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	07	1412	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	07	1600	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	3	2010	01	08	0814	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	08	1214	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	08	1558	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	09	0832	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	09	1216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	09	1408	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	09	2228	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	09	2346	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	10	0724	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	10	1414	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	10	1558	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	11	0744	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	11	1206	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	11	1600	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	3	2010	01	11	2212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	12	0724	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	12	1214	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	12	1406	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	12	1502	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7200	3	2010	01	12	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	13	0730	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	13	0934	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	13	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	13	1256	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	13	1506	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	13	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	13	2238	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	14	0708	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	14	1116	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	14	1208	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	14	1502	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	14	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	14	2214	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	15	0706	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	15	0804	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	15	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	15	1306	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	15	1502	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	15	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	15	2026	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	15	2218	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	16	0744	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	16	1120	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	16	1236	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	16	1600	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk

7200	3	2010	01	16	2334	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	17	0822	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	17	1214	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	17	1410	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	18	0910	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	18	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	18	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	19	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	19	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	19	2018	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	20	0918	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	20	1216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	20	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	20	2010	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	21	0740	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	21	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	21	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	22	1216	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	22	1554	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	23	1210	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	23	1556	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	24	1220	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	24	1558	A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	25	1204	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	25	1558	A3E	352	KRE	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	25	2218	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk



7200	5	2010	01	26	1210		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	26	1556		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	26	2144		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	26	2206		A3E	352	RUS	NVK R Sakha	Russian Talk and music	JARL	Yakutsk
7200	3	2010	01	26	2330		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	27	1210		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	27	1558		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00UTC Time signal 5+1 4sec late 16:05 QRT	JARL	Yakutsk
7200	5	2010	01	27	2026		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	27	2218		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	28	0724		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	28	1212		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	28	1558		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	29	1010		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	29	1208		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	29	1558		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	3	2010	01	29	2010		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	29	2216		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	30	1208		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	30	1550		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	30	2218		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	01	31	0712		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	31	0922		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	31	1212		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	01	31	1556		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 16:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	01	31	2218		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200.00	6	2010	01	08		<11:18>	A3E					JARL	

7200.00	6	2010	01	10	<16:28>	A3E			Music		JARL		
7200.00	6	2010	01	12	<20:30>	A3E			Music		JARL		
7200.00	6	2010	01	19	<07:04>	A3E					JARL		
7200.00	6	2010	01	20	<16:25>	A3E					JARL		
7200.00	6	2010	01	22	<08:50>	A3E			News in Russian language		JARL		
7200.00	6	2010	01	23	<13:01>	A3E					JARL		
7200.00	6	2010	01	23	<07:28>	A3E			News in Russian language		JARL		
7200.00	6	2010	01	29	<17:44>	A3E			News in Russian language		JARL		
7200.00	6	2010	01	30	<09:00>	A3E					JARL		
7200	5	2010	01	03	<1410-1420>	A3E	SDN	BC	ARABIC BROADCAST FROM SUDAN	MK82	ARSI		
7200	5	2010	01	10	<0110-0120>	A3E	BRM	BC	DOMESTIC BROADCAST IN BURMESE FROM MYANMAR.	MK82	ARSI		
10104.5	7	2010	01	31	<0000>	0644	PXX	?	Unid	OTHR S6	RF72MS	NZART	ZL1GWE
10105		2010	01	10	<05:55>	0555	J3E/U	?	Unid	Non-Amateurs very weak	RF72MS	NZART	ZL2ALZ
10107		2010	01	07	<09:30>	0930	F1D	?	Unid	50 ms x 8 or 9 followed by 20 ms silence from ZL1ALZ sample	RF72MS	NZART	ZL2ALZ
10107		2010	01	10	<05:00>	0500	N0N	?	Unid	NON 50 ms x 8 or 9 followed by 20 ms silence from sample provided	RF72MS	NZART	ZL2ALZ
10107		2010	01	10	<05:52>	0550-0552	F1D	?	Unid	As described by ZL1ALZ F1D - S0	RF73MF	NZART	ZL1GWE
10110		2010	01	24	<0557>	0557-0604	PXX	?	Unid	OTHR	RF73MF	NZART	ZL1GWE
10110.5	7	2010	01	31	<0554>	0554-0600	PXX	?	Unid	OTHR 62 PPS Australian? FMCW type? Not Tiger S5	RF73MF	NZART	ZL1GWE
10139	10	2010	01	19	<0000>	0000-0100	QXX	?	Unid	CODAR 5 PPS for 4.5 mins and switches to 2.5 PPS for 25 seconds	RF74CI	NZART	ZL2IK
10180		2010	01	10	<04:00>	0400-0550	QXX	CHN	Unid	Codar 9 pps switches mode into PXX to 50 pps	RF72MF	NZART	ZL1GWE
10180		2010	01	10	<05:05>	0505-0506	QXX	CHN	Unid	Codar 8 pps, switches mode very quickly experimental?	RF72MF	NZART	ZL1GWE
10180		2010	01	10	<04:00>	0400-0550	PXX	CHN	Unid	OTHR 50 PPS switches into QXX different rates with long delays	RF73MF	NZART	ZL1GWE
10186.5	5	2010	01	31	<0539>	0539-0548	PXX	?	Unid	OTHR 62 PPS Australian? FMCW type? This is not Tiger - S5	RF73MF	NZART	ZL1GWE
14000.0	3	2009	1	26	0140		J3E/U		Unid	TAGALOG OR BAHASA	QG52XI	WIA	
14000		2010	01	DY		HX24	J3E	INS	Unid	Non-Amateurs	RF72LQ	NZART	ZL1BAD
14002.5	9	2010	01	31	<0000>	0000-0644	PXX	?	Unid	OTHR S7	RF73MF	NZART	ZL1GWE
14004	10	2010	01	29	<0000>	0000-0548	PXX	?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14005.5		2010	01	13	<0300-0325>		J3E/U	CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14011		2010	01	19	<0620-		J3E/U	CLN	UNID	SRI LANKAN FISHING	MK82	ARSI	



14097	10kHz	2010	1	12	0815>		P0N		Unid	Unid	5 sec bursts every 25secs with prf 60 in association with 14097 kHz	QF22	WIA	
14100	20	2010	01	02	<0225>	0225-0630	PXX		?	Unid	2 second bursts of pulses every 1 min. 10 pulses per 1 kHz	RF72LQ	NZART	ZL1BAD
14109	10	2010	01	29	<0000>	0548	PXX		?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14110		2010	01	DY		HX24	J3E		?	Unid	NON-AMATEUR STNS	RF72LQ	NZART	ZL1BAD
14114		2010	01	13		<0430-0440>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14124	62	2010	01	17	<0320>	0430	PXX		CHN	Unid	OTHR S9++ 2 second bursts of 66 PPS and 25 second delay	RF73MF	NZART	ZL1GWE
14124		2010	01	17	<02:37>	0237	PXX		CHN	Unid	OTHR S6 as above	RF81WM	NZART	ZL2CC
14130	30	2010	01	17	<0115>	0115	PXX		?	Unid	2 second pulses every 1 min.	RF72LQ	NZART	ZL1BAD
14139.0	10kHz	2010	1	12	0815>		P0N		Unid	Unid	5 sec bursts every 25secs 60 PRF in association with 14097 kHz	QF22	WIA	VK3MV
14140	30	2010	01	15	<0605>	0605	PXX		?	Unid	OTHR S9++ 2 second bursts of 66 PPS and 25 second delay	RF72LQ	NZART	ZL1BAD
14140		2010	01	17	<02:30>	0230	PXX		CHN	Unid	Short burst of OTHR 2 seconds bursts and 20 seconds delay	RF81WM	NZART	ZL2CC
14140		2010	01	17	<02:37>	0237	PXX		CHN	Unid	OTHR as above confirmed	RE89BT	NZART	ZL2SKY
14141.3		2010	01	13		<0300-0325>	J3E/U		CHN	UNID	CHINESE SPEAKING NON AMATEURS—OM-OM; FISHING TRAWLERS.	MK82	ARSI	
14150	30	2010	01	14	<0100>	0100-0115	PXX		?	Unid	2 second pulses every 1 min.	RF72LQ	NZART	ZL1BAD
14155	8	2010	01	31	<0000>	0644	PXX		?	Unid	OTHR S6	RF73MF	NZART	ZL1GWE
14160		2010	01	08	<0505>	0605	F1B	250	?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD
14160	8	2010	01	29	<0000>	0000-0548	PXX		?	Unid	OTHR S4	RF73MF	NZART	ZL1GWE
14165	10kHz	2010	1	15	0615>		P0N		Unid	Unid	3-4 sec bursts every 45 secs with prf 66	QF22	WIA	
14165	30	2010	01	15	<0605>	0605	PXX		?	Unid	2 sec. pulses every 1 min. 2 stations, 50k apart, alternate bursts	RF72LQ	NZART	ZL1BAD
14170	30	2010	01	14	<0100>	0100-0115	PXX		?	Unid	2 sec. pulses every 1 min. 2 stations, 50k apart, alternate bursts	RF72LQ	NZART	ZL1BAD
14175	350	2010	01	02	<05:00>	0600	N0N		CHN	Unid	Shantou spurs across band	RF73MF	NZART	ZL1GWE
14175	350	2010	01	17	<02:30>	0230-0515	N0N		CHN	Unid	Shantou spurs across band	RF73MF	NZART	ZL1GWE
14214	10	2010	01	29	<0000>	0000-0548	PXX		?	Unid	OTHR S5	RF73MF	NZART	ZL1GWE
14240		2010	01	31	<0150>	0150-0210	PXX		?	Unid	2 sec. pulses every 1 min. 2 stations, 50k apart, alternate bursts	RF73MF	NZART	ZL1GWE
14264.5	9	2010	01	29	<0000>	0548	PXX		?	Unid	OTHR S4	RF73MF	NZART	ZL1GWE
14265.5		2010	01	24	<0521>	0521-	PXX		?	Unid	OTHR S8 100 PPS on top of Haiti	RF73MF	NZART	ZL1GWE

										declared Haiti emergency frequency			
14276		2010	01	24	<0517>	0517	N0N	?	Unid	Carrier	RF73MF	NZART	ZL1GWE
14315.5	7	2010	01	29	<0000>	0000-0548	PXX	?	Unid	OTHR S5	RF73MF	NZART	ZL1GWE
14318	6	2010	01	24	<0452>	0452-0513	PXX	?	Unid	111 PPS OTHR S7	RF73MF	NZART	ZL1GWE
18070	30	2010	01	28	<0920>	0920-0943	PXX	?	Unid	OTHR S9+20dB Null 350/170 - International ARS complaining	RF80HL	NZART	ZL2IFB
18096	11	2010	01	09	<04:00>	0400-0515	PXX	?	Unid	OTHR S1	RF73MF	NZART	ZL1GWE
18099	62	2010	01	16	<0730>	0730-0736	PXX	?	Unid	OTHR S9+20dB	RF80HL	NZART	ZL2IFB
18103	14	2010	01	28	<0920>	0920-0943	PXX	?	Unid	OTHR S9+20dB Null 350/170 - International ARS complaining	RF80HL	NZART	ZL2IFB
18136.5	9	2010	01	28	<0920>	0920-0943	PXX	?	Unid	OTHR S9+20dB Null 350/170 - International ARS complaining	RF80HL	NZART	ZL2IFB
18172.5	5	20101	01	28	<0920>	0920-0943	PXX	?	Unid	International ARS complaining SE ASIAN OM-OM QSO; NON-AMATEUR; USING "ROGER" IN BETWEEN	RF80HL	NZART	ZL2IFB
21029.5		2010	01	26		<1130-1145>	J3E/U	UNID	UNID		MK82	ARSI	
24899.37		2010	01	09	<02:30>	0230-0522	N0N	?	Unid	Carrier slight buzzing - S5	RF73MF	NZART	ZL1GWE
24899.70		2010	01	24	<0400>	0400-0433	N0N	?	Unid	Carrier slight buzzing voices heard underneath and CQ de JA6BGV - A1A	RF73MF	NZART	ZL1GWE
28065.5	3	2010	01	09		<0910-0915>	A3E	CHN	UNID	NON AMATEUR CHINESE SPEAKING OM-OM.	MK82	ARSI	
28254.8	3	2010	01	09		<0910-0915>	A3E	CHN	UNID	NON AMATEUR CHINESE SPEAKING OM-OM.	MK82	ARSI	
6963*	104	2010	01	3	<1015>	1015-1020	PXX	?	Unid	OTHR S9 on centre frequency and S5 at the edges	RF66IM	NZART	ZL3NB
7000*	175	2010	01	DY	<1050>	1050-1930	PXX	CHN	Unid	Out of band OTHR with spill over to 7010 kHz	RF72LQ	NZART	ZL1BAD

Clarification: NZART Observers report there are two types of signal appearing, at times, in the 20 M band. One seems to be a form of OTHR and sending continuous pulse at the rate of 2 pulses per sec (OTHR).. The other signal is a form of communication sending 2 second burst every 1 minute in response to weaker burst from another station