



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM REPORT



May 2010

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

This month there were 1106 observations made the highlights being:

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

NZART, JARL and WIA report various Over the Horizon Radar systems in or around the 40, 20, 15 meter and now the 12 meter band. With improved propagation conditions intrusions in the higher bands are being detected that has global consequences.

JARL has provided further audio recording of broadcast stations operating on 7105kHz was sought to assist HARTS in the correct identification and locations of stations on this frequency. Thanks to Mr Kobayashi, JA0AD this audio file has now been forwarded to HARTS. Any other reports or observations are most welcome to the email address below.

The WIA reports detection of intermods on 20 meters from VOA transmitters located in the Philippines. These have been reported to the Australian regulator (the ACMA). There is, however, some doubt about the applicability of ITU Appendix 3 – Table of maximum permitted spurious emission power levels, that depends on the date at which transmitters have been installed, and how mean power is defined in relation to multiple transmitters at a transmitter site. The NZART also reports intermods into the 160 meter band from a local broadcast station, which has been reported to the station manager in the first instant.

For those who would like a CSV file of data please email me at: 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
1803.9		2010	5	2	0920		A1A				2AFMN		DRIFTNET BEACON	QG52XI	WIA
1803.9		2010	5	2	0920		A1A				4JBT		DRIFTNET BEACON	QG52XI	WIA
1817.6	1	2010	5	31	1005		G1B				NZ		RADIOLOCATION SERVICE	QG52XI	WIA
1819.8		2010	5	31	1000		A1A				DF6		DRIFTNET BEACON	QG52XI	WIA
1820.0		2010	5	9	0725		A1A				H6		DRIFTNET BEACON	QG52XI	WIA
1908		2010	05	01	<1000>	1000	A3E				NZL	Newstalk ZB & Radio Sport	IMD from Newstalk ZB & Radio Sport reported station manager Verification of above report S9 transmitted IMD	RF80HL	NZART ZL2iFB
1908		2010	05	03	<0745>	0745	A3E				NZL	Newstalk ZB & Radio Sport	same commercial network	RE66IM	NZART ZL3NB
3560	5	2010	05	01	1012		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	01	1214		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	01	1504		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	05	01	1930		A3E			321	KRE	Vo Korea	Spanish Talk and Music		JARL Kujang
3560	3	2010	05	02	1024		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	02	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	02	1504		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	05	02	2022		A3E			321	KRE	Vo Korea	French Talk and Music		JARL Kujang
3560	3	2010	05	03	1050		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	03	1218		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	03	1604		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	05	03	2024	anytime	A3E			321	KRE	Vo Korea	French Talk and Music	PM97	JARL Kujang
3560	5	2010	05	04	1036		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	04	1216		A3E			321	KRE	Vo Korea	Korean Talk and Music		JARL Kujang
3560	5	2010	05	04	1504		A3E			321	KRE	Vo Korea	English Talk and Music		JARL Kujang
3560	5	2010	05	04	1916		A3E			321	KRE	Vo Korea	Spanish Talk and		JARL Kujang

3560	3	2010	05	05	1036	A3E	321	KRE	Vo Korea	Music Korean Talk and Music	JARL	Kujang
3560	5	2010	05	05	1216	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	05	1504	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	05	1924	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2010	05	06	1030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	06	1230	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	06	1504	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	06	1912	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2010	05	07	1034	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	07	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	07	1440	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2010	05	07	1502	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	08	1048	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	08	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	08	1442	A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2010	05	08	1502	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	08	1926	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2010	05	09	1030	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	09	1224	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	09	1504	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	09	1940	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	5	2010	05	10	1040	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	10	1220	A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	10	1506	A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	10	1926	A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang

3560	3537.5	2010	05	10	20:35	<20:35>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	5	2010	05	11	1012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	11	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	11	1508	anytime	A3E	321	KRE	Vo Korea	English Talk and Music	PM97	JARL	Kujang
3560	5	2010	05	11	1812		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3537.5	2010	05	11	20:55	<20:55>	A3E 3		KRE		VOICE	JARL		
3560	3	2010	05	12	1012		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	12	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	12	1510		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	05	12	1820		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3537.5	2010	05	12	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3	2010	05	13	1020		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	13	1226		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	13	1506		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	05	13	1936		A3E	321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3537.5	2010	05	13	20:38	<20:38>	A3E 3		KRE		VOICE	JARL		
3560	3	2010	05	14	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	14	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	14	1506		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3537.5	2010	05	14	20:38	<20:38>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	5	2010	05	15	1032		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	15	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	15	1506		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	5	2010	05	15	1934		A3E	321	KRE	Vo Korea	Spanish Talk and Music		JARL	Kujang
3560	3	2010	05	16	1014		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	16	1218		A3E	321	KRE	Vo Korea	Korean Talk and Music		JARL	Kujang
3560	5	2010	05	16	1502		A3E	321	KRE	Vo Korea	English Talk and Music		JARL	Kujang
3560	3537.5	2010	05	16	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		

3560	5	2010	05	17	1010		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	17	1214		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	17	1450		A3E	321	KRE	Vo Korea	French Talk and Music	JARL	Kujang
3560	5	2010	05	17	1508		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	05	17	21:10	<21:10>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	05	18	1014		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	18	1224		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	18	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	05	18	20:46	<20:46>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	5	2010	05	19	1024		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	19	1214		A3E	321	RUS	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	19	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	19	1914		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3537.5	2010	05	2	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL	
3560	3	2010	05	20	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	20	1212		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	20	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	20	1906		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	3537.5	2010	05	20	20:28	<20:28>	A3E 3		KRE		VOICE	JARL	
3560	3	2010	05	21	1014		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	21	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	21	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	21	1912		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2010	05	22	1016		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	22	1216		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
3560	5	2010	05	22	1502		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
3560	5	2010	05	22	1904		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang
3560	3	2010	05	23	1012		A3E	321	KRE	Vo Korea	Korean Talk and	JARL	Kujang

3560	5	2010	05	23	1216		A3E	321	KRE	Vo Korea	Music Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	23	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	05	23	1846		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	05	23	1918		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3	2010	05	24	1020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	24	1220		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	24	1504		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	05	24	1808		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3	2010	05	25	1026		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	25	1212		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	25	1514		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	5	2010	05	25	1936		A3E	321	KRE	Vo Korea	Spanish Talk and Music	JARL	Kujang	
3560	3537.5	2010	05	25	21:18	<21:18>	A3E 3		KRE		VOICE	JARL		
3560	3537.5	2010	05	26	21:36	<21:36>	A3E 3		KRE		VOICE	JARL		
3560	3	2010	05	31	1014		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	31	1214		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
3560	5	2010	05	31	1846		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
3560	3537.5	2010	05	31	20:40	<20:40>	A3E 3		KRE		VOICE	JARL		
3560	3537.5	2010	05	4	20:50	<20:50>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3537.5	2010	05	5	20:41	<20:41>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560	3537.5	2010	05	7	2046	<20:46>	A3E 3		KRE		VOICE	JARL		
3560	3537.5	2010	05	9	21:00	<21:00>	A3E 3		KRE		VOICE,MUSIC	JARL		
3560		2010	05	DY	2100-<0900-2100>	0900	A3E		KRE	Voice of Korea	Broadcast Station	RF72LQ	NZART	ZL1BAD
3560.0	6	2010	5	2	0920		A3A		NKR			QG52XI	WIA	
3623.0	3	2010	5	3	1930		J1C					QG52XI	WIA	
3696.0	5	2010	5	3	1930		G7D					QG52XI	WIA	
3707		2010	05	20	<0610>	0610	A3E		?	Unid	Asian voices non amateurs	RE68XL	NZART	ZL2TZE
3740		1920	05	04	<1920>	1920	J3E/U		?	?	Asian voices non amateurs R5S9	RE68XL	NZART	ZL2TZE

3740		2010	05	05	<2010>	2010	J3E/U		?	?	Asian voices non amateurs R5S9	RE68XL	NZART	ZL2TZE
3740		2010	06	06	<1900>	1900	J3E/U		?	?	Asian voices non amateurs R5S9	RE68XL	NZART	ZL2TZE
7000		2010	05	19	<0155-0205>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7000		2010	05	DY	<0500>	0500-1900	J3E/U		?	Unid	non Amateurs	RF72LQ	NZART	ZL1BAD
7000		2010	05	DY	<0500>	0500-1900	J3E/L		?	Unid	non Amateurs	RF72LQ	NZART	ZL1BAD
7000.0	3	2010	5	17	0900		J3E/U		INS		VILLAGE RADIO	QG52XI	WIA	
7000	175k	2010	05	DY	<1050-1930>	1050	PXX		CHN	Unid	Out of band OTHR with spill over to 7010 kHz	RF72LQ	NZART	ZL1BAD
7000.5	5	2010	5	3	1930		G7D	HIGH			VILLAGE RADIO	QG52XI	WIA	
7005.0	3	2010	5	14	0900		J3E/L		INS		VILLAGE RADIO	QG52XI	WIA	
7007.0	3	2010	5	6	0920		J3E/U		INS		VILLAGE RADIO	QG52XI	WIA	
7008		2010	05	26	<1440-1450>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7008		2010	05	27	<0205-0210>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7010.0	3	2010	5	8	1030		J3E/U		INS		VILLAGE RADIO	QG52XI	WIA	
7010.0	3	2010	5	17	0910		J3E/L		INS		VILLAGE RADIO	QG52XI	WIA	
7011		2010	05	20	<0210-0220>		J3E/L		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
7015.0	3	2010	5	17	0910		J3E/L		INS		VILLAGE RADIO	QG52XI	WIA	
7016.6	3	2010	5	14	0855		J3E/U				DAILY, ASIAN, SOUNDS CHINESE	QG52XI	WIA	
7017		2010	05	08	0100-0110>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	

LANGUAGE
ONLY – 2 OM

7020	30k	2010	05	12	<0915>	0915	PXX		?	Unid	3.5 P.P.S.	RF72LQ	NZART	ZL1BAD
7020.0		3	2010	5	13	1000	J3E/U		INS		VILLAGE RADIO	QG52XI	WIA	
7020.0		3	2010	5	14	1000	J3E/L		INS		VILLAGE RADIO	QG52XI	WIA	
											7004KHz ~ 7040KHz wide pulse mode PXX OTHR ?			
7022	36	2010	05	12	1814		P0N		non	non	non		JARL	non
7022.8		3	2010	5	14	0905	J3E/U		INS		VILLAGE RADIO	QG52XI	WIA	
											7006KHz ~ 7040KHz wide pulse mode PXX OTHR ?			
7023	34	2010	05	04	1030		P0N		non	non	non		JARL	non
											7006KHz ~ 7040KHz wide pulse mode PXX OTHR ?			
7023	34	2010	05	19	1020		P0N		non	non	non		JARL	non
											7006KHz ~ 7040KHz wide pulse mode PXX OTHR ?			
7023	34	2010	05	21	1008		P0N		non	non	non		JARL	non
7024.9		1	2010	5	3	1930	F1B	HIGH	250			QG52XI	WIA	
7025.5		3	2010	5	17	0725	J3E/U		INS		RIG TROUBLES, FEEDBACK SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52XI	WIA	
											M BEACON (NEW ONE!)			
7031		2010	05	19	<0155- 0205>				CLN	UNID		MK82	ARSI	
7038.7		2010	5	6	2000		A1A			RUS		QG52XI	WIA	
7039	0.5	2010	05	01	0012		A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	0108		A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	0226		A1A		321	RUS	F--signal	Beacon	JARL	Yakutsk
7039	0.5	2010	05	01	0342		A1A		321	RUS	F--signal	Beacon	JARL	Kujang
7039	0.5	2010	05	01	0734		A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	1006		A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	1008		A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	01	1208		A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	1210		A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	01	1502		A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	01	1924		A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	01	1926		A1A		325	RUS	C--signal	Beacon	JARL	Moscow

7039	0.5	2010	05	01	2238	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	01	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	0708	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	1016	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	1018	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	02	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	02	1502	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	02	2016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	02	2018	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	02	2236	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	02	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0022	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0732	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	0734	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	03	1046	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	1048	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	03	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	1216	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	03	1602	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	03	2018	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	2020	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	03	2240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	03	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0006	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0114	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0722	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	0724	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	04	1026	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	1028	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	04	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	04	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	04	1502	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs

7039	0.5	2010	05	04	1914	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	04	1918	A1A		325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	04	2234	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	04	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	0014	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	0106	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	0214	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	0332	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	05	0718	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	1030	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	1032	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	05	1210	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	1212	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	05	1502	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	05	1918	A1A		325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	05	1920	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	05	2238	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	05	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	06	0032	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	06	0108	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	06	0242	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	06	0332	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	06	0912	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	06	0914	A1A		15	RUS	M--signal	Beacon	JARL	Magadan	
7039	0.5	2010	05	06	1024	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	06	1226	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	06	1502	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	06	1906	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	06	1908	A1A		352	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	06	2246	A1A		321	RUS	F--signal	Beacon	JARL	Kujang	
7039	0.5	2010	05	06	2302	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0006	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0114	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0228	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0342	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0712	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	0714	A1A		15	RUS	M--signal	Beacon	JARL	Magadan	
7039	0.5	2010	05	07	1026	A1A		14	RUS	M--signal	Beacon	JARL	Magadan	
7039	0.5	2010	05	07	1028	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	1030	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	07	1214	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	07	1216	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	

7039	0.5	2010	05	07	1450	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	07	1452	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	07	1504	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	07	1506	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	07	1922	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	07	1924	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	07	2246	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	07	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0230	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0344	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0832	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	0834	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1044	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	1046	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	1216	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1446	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	1448	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1504	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	1506	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1920	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	08	1922	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	08	1924	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	2248	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	08	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0120	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0232	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0734	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	0736	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	09	1024	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	1026	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	09	1218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	1220	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	09	1502	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	09	1934	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	09	1936	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	09	2240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	09	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2010	05	10	0010	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	0104	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	0212	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	0340	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	0710	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	1034	A1A	anytime	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	10	1036	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	10	1214	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	10	1216	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	1502	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	1504	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	10	1918	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	10	1920	A1A		325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	10	2244	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	10	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	0006	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	0114	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	0212	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	0342	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	0714	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	1006	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	1008	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	11	1210	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	1212	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	11	1504	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	1506	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	11	1806	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	11	1808	A1A		325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	11	2250	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	11	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	0010	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	0106	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	0216	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	0340	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	0712	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	1006	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	1008	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	12	1212	A1A		312	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	12	1214	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	1504	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	12	1506	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	1810	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	

7039	0.5	2010	05	12	1812	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	12	2240	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	12	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	0106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	0212	anytime	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	13	0326	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	0716	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	1014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	1016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	13	1218	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	13	1220	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	1504	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	13	1932	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	13	1934	A1A	352	RUS	C--signal	Beacon	JARL	Moscow	
7039	0.5	2010	05	13	2248	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	13	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	0010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	0120	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	0232	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	0320	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	1008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	1010	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	14	1212	anytime	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	14	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	14	1504	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	14	2016	A1A	321	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	14	2214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	14	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	0222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	1026	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	1028	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	15	1212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	1214	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	15	1504	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	1924	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	15	1928	A1A	325	RUS	C--signal	Beacon	JARL	Moscow	

7039	0.5	2010	05	15	2218	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	15	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	0012	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	0110	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	0222	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	0342	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	0714	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	16	1008	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	1010	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	16	1212	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	1214	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	16	1504	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	16	1508	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	2206	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	16	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	0014	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	0106	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	0212	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	0342	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	0708	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	1004	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	1006	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	17	1210	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	1212	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	17	1446	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	17	1448	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	1504	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	1506	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	17	2204	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	17	2304	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	0012	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	0106	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	0204	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	0342	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	0708	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	1008	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	1010	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	18	1218	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	1220	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	18	1510	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	1512	A1A		314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	18	2030	A1A		321	RUS	F--signal	Beacon	JARL	Vladivostok	

7039	0.5	2010	05	18	2246	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	18	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	0012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	0106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	0214	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	0304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	0712	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	1014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	1016	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	19	1208	A1A	321	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	19	1210	A1A	314	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	1510	anytime A1A	314	RUS	K--signal	Beacon	PM97	JARL	Petropavlovs
7039	0.5	2010	05	19	1918	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	19	2220	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	19	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	0114	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	0226	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	0308	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	0740	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	1010	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	1012	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	20	1206	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	1208	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	20	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	20	1910	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	20	1916	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	2210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	20	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	0008	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	0106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	0714	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	1004	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	1006	anytime A1A	314	RUS	K--signal	Beacon	PM97	JARL	Petropavlovs
7039	0.5	2010	05	21	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	21	1506	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	21	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	

7039	0.5	2010	05	21	1920	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	21	1922	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	21	2216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	21	2302	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	0012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	0106	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	0216	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	0342	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	0706	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	1002	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	1004	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	22	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	22	1506	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	22	1508	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	22	1906	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	0014	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	0112	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	0222	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	0346	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	0832	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1006	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1008	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	1210	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1212	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	1508	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1510	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	1840	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	1842	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1844	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	23	1910	A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs
7039	0.5	2010	05	23	1912	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	1914	A1A	325	RUS	C--signal	Beacon	JARL	Moscow
7039	0.5	2010	05	23	2218	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	2258	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	23	2304	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	24	0122	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	24	0212	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	24	0332	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	24	0830	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok
7039	0.5	2010	05	24	1012	A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok

7039	0.5	2010	05	24	1014		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	24	1214		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	24	1216		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	24	1508		A1A	314	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	24	1510		A1A	321	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	24	1806		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	24	2226		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	24	2304		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0010		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0012		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0106		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0216		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0232		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0312		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	0706		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	1006		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	1008		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	25	1206		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	1208		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	25	1508		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	1510		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	25	1930		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	1932		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	25	2220		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	25	2304		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	26	0012	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039	0.5	2010	05	26	0106		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	26	0204		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	0712		A3E	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	1008		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	1010		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	31	1208		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	1210		A1A	314	RUS	K--signal	Beacon	JARL	Petropavlovs	
7039	0.5	2010	05	31	1842		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	2224		A1A	321	RUS	F--signal	Beacon	JARL	Vladivostok	
7039	0.5	2010	05	31	2304	anytime	A1A	321	RUS	F--signal	Beacon	PM97	JARL	Vladivostok
7039		2010	05	05	<2330-2340>		A1A		RUS	S,C	SINGLE LETTER BEACONS	MK82	ARSI	
7039		2010	05	22	<2340-2350>		A1A		RUS	S,C	SINGLE LETTER BEACONS	MK82	ARSI	
7039.0		2010	05	DY	<0500>	0500-1930	A1A		RUS	RIW	Moscow - Beacon C	RF72LQ	NZART	ZL1BAD

7039		2010	05	DY	<0500>	0500-1930	A1A		RUS	A	Astrakhan (No call sign) Beacon A	RF72LQ	NZART	ZL1BAD
7039		2010	05	DY	<0500>	0500-1930	A1A		RUS	RJS	Vladivostok - Beacon F	RF72LQ	NZART	ZL1BAD
7039		2010	05	DY	<0500>	0500-1930	A1A		RUS	RMP	Kaliningrad - Beacon P	RF72LQ	NZART	ZL1BAD
7039.0		2010	5	2	2000		A1A		RUS		C BEACON	QG52XI	WIA	
7039.2		2010	5	2	2000		A1A		RUS		F BEACON	QG52XI	WIA	
7039.2		2010	5	2	2000		A1A		RUS		K BEACON	QG52XI	WIA	
7039.3		2010	05	DY	<0500>	0500-1930	A1A		RUS	RCC	Petropavlovsk - Beacon K	RF72LQ	NZART	ZL1BAD
7039.4		2010	05	DY	<0500>	0500-1930	A1A		RUS	RTS	Magadan - Beacon M	RF72LQ	NZART	ZL1BAD
7039.9		2010	05	DY	<0500>	0500-1930	A1A		RUS	RIT	Severomorsk - Beacon S	RF72LQ	NZART	ZL1BAD
7050.0	50	2010	5	3	2000		PXX				OTHR	QG52XI	WIA	
7053.9	1	2010	5	2	2110		G7D	HIGH			8 CARRIERS APPROX 50 HZ APART	QG52XI	WIA	
7054	38	2010	05	10	1922		PXX		non	non	7040KHz ~ 7078KHz wide pulse mode PXX		JARL	non
7054		2010	05	DY	<0300-2100>	0300	F1B	250	RUS	Unid	OTHR ?	RF72LQ	NZART	ZL1BAD
7056	34	2010	05	07	1448		PXX		non	non	Idling sigs only 7036KHz ~ 7070KHz wide pulse mode PXX		JARL	non
7056	34	2010	05	07	1508		PXX		non	non	OTHR ?		JARL	non
7067		2010	05	19	<0155-0205>		J3E/U		CLN	UNID	7036KHz ~ 7070KHz wide pulse mode PXX	MK82	ARSI	
7075	30k	2010	05	12	<1845>	1845	PXX		?	Unid	ONLY – 2 OM	RF72LQ	NZART	ZL1BAD
7075	30k	2010	05	15	<2000>	2000	PXX		?	Unid	3.5 P.P.S.	RF72LQ	NZART	ZL1BAD
7080.0		2010	5	8	0959		A1A				MIXED NUMBER/LETTER CIPHER	QG52XI	WIA	
7082	40	2010	05	11	1820		PXX		non	non	7062KHz ~ 7102KHz wide pulse mode PXX		JARL	non
7085	30k	2010	05	11	<1820>	1820	PXX		?	Unid	OTHR ?	RF72LQ	NZART	ZL1BAD
											3.5 P.P.S.			

late after QRT

7105	5	2010	05	06	2242		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot	
7105	5	2010	05	06	2244		A3E	non	CHN	non	Chainese Talk and Music	JARL	non	
7105	3	2010	05	06	2258		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot	
7105	5	2010	05	07	2242		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot	
7105	3	2010	05	07	2244		A3E	non	CHN	non	Chainese Talk and Music	JARL	non	
7105	3	2010	05	07	2258		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot	
7105	5	2010	05	08	2244	anytime	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	PM97	JARL	Hohhot
7105	3	2010	05	08	2246		A3E	non	CHN	non	Chainese Talk and Music	JARL	non	
7105	3	2010	05	08	2258		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot	
7105	5	2010	05	09	2236		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot	
7105	3	2010	05	09	2238		A3E	non	CHN	non	Chainese Talk and Music	JARL	non	
7105	3	2010	05	09	2258		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot	
7105	5	2010	05	10	2238		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot	
7105	3	2010	05	10	2240		A3E	non	CHN	non	Chainese Talk and Music	JARL	non	
7105	3	2010	05	10	2258		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot	
7105	5	2010	05	11	2246		A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot	
7105	3	2010	05	11	2248		A3E	non	non	non	Chainese Talk and	JARL	non	

7105	3	2010	05	11	2258	A3E	273	CHN	PBS Nei Meng	Music Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot
7105	5	2010	05	12	2234	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot
7105	3	2010	05	12	2236	A3E	non	CHN	non	Chainese Talk and Music	JARL	non
7105	3	2010	05	12	2258	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Petropavlovs
7105	3	2010	05	13	2242	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot
7105	3	2010	05	13	2244	A3E	non	CHN	non	Chainese Talk and Music	JARL	non
7105	3	2010	05	13	2258	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot
7105	3	2010	05	14	2208	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot
7105	3	2010	05	14	2210	A3E	non	CHN	non	Chainese Talk and Music	JARL	non
7105	3	2010	05	15	2212	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot
7105	3	2010	05	15	2214	A3E	non	CHN	non	Chainese Talk and Music	JARL	non
7105	3	2010	05	16	2200	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 22:00 UTC no time signal Program start	JARL	Hohhot
7105	3	2010	05	16	2202	A3E	non	CHN	non	Chainese Talk and Music 22:00 UTC no time signal Program start	JARL	non
7105	3	2010	05	16	2258	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music 23:00 UTC no time signal QRT	JARL	Hohhot
7105	5	2010	05	17	2200	A3E	273	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot
7105	3	2010	05	17	2200	A3E	non	CHN	non	Chainese Talk and Music	JARL	non
7105	3	2010	05	17	2258	A3E	321	CHN	PBS Nei Meng	Chainese Talk and Music	JARL	Hohhot

7105	3	2010	05	18	2240		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	18	2242		A3E	non	non	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	19	2216		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	19	2218		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	5	2010	05	20	2204		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	20	2206		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	20	2258		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	21	2210		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	21	2212		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	21	2258		A3E	273	CHN	PBS Nei Meng	23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot
7105	3	2010	05	22	2230		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	22	2232		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	23	2212		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	23	2214		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	24	2222		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	24	2224		A3E	non	non	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	24	2258		A3E	273	CHN	PBS Nei Meng	23:00UTC Time signal 5+1 2sec late after QRT	JARL	Hohhot
7105	3	2010	05	25	2214		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	25	2216		A3E	non	CHN	non	Chinese Talk and Music	JARL	non
7105	3	2010	05	25	2258		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	7100.0	2010	05	29	22:30	<22:30>	A3E 3				VOICE	JARL	
7105	3	2010	05	31	2218		A3E	273	CHN	PBS Nei Meng	Chinese Talk and Music	JARL	Hohhot
7105	3	2010	05	31	2220		A3E	non	CHN	non	Chinese Talk and Music	JARL	non

7105	3	2010	05	16	<2230-2235>		A3E		UNID	UNID	WEAK AFRICAN REGION BROADCASTER 7102KHz ~ 7136KHz wide pulse mode PXX OTHR ?	MK82	ARSI		
7109	34	2010	05	09	1214		PXX	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	01	1920		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	03	2016		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	05	1914		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	06	1904		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	07	1920		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	08	1908		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	09	1930		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	3	2010	05	10	1914		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	7100.0	2010	05	10	20:37	<20:37>	A3E 3			KRE	VOICE,MUSIC		JARL		
7110	7100.0	2010	05	11	20:51	<20:51>	A3E 3				MUSIC		JARL		
7110	7100.0	2010	05	12	20:55	<20:55>	A3E 3				VOICE,MUSIC		JARL		
7110	3	2010	05	13	1928		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	7100.0	2010	05	13	20:39	<20:39>	A3E 3				MUSIC		JARL		
7110	7100.0	2010	05	16	21:00	<21:00>	A3E 3				MUSIC		JARL		
7110	3	2010	05	21	1914		A3E	non	non	non	unknown Talk and Music		JARL	non	
7110	7100.0	2010	05	7	20:43	<20:43>	A3E 3				MUSIC		JARL		
7110		2010	05	03	<0515>		0515-0516	A3E		?	?	Broadcast station Arabic voices	RF80HL	NZART	ZL2IFB
7110		2010	05	03	<0515>		0515-0415-	A3E		?	?	Broadcast station Arabic voices S9 + 20	RF81WM	NZART	ZL2CC
7110		2010	05	DY	0650>		0650	A3E		?	Unid	B-C STN. B-C STN. OVER-MODULATED. I.D AND CLOSE AT 2100 UTC	RF72LQ	NZART	ZL1BAD
7110	10K	2010	05	DY	<1700-2100>		1700	A3E		?	Unid	RADIO ETHIOPIA MIXED NUMBER/LETTER CIPHER	QG52XI	WIA	
7110.0	6	2010	5	3	1930		A3A			ETH			QG52XI	WIA	
7116.0		2010	5	18	1000		A1A						QG52XI	WIA	

7123	34	2010	05	24	1812		PXX		non	non	non	7006KHz ~ 7040KHz wide pulse mode PXX OTHR ? WEAK AFRICAN REGION BROADCASTER		JARL	non
7125	3	2010	05	16	<2230- 2235>		A3E			UNID	UNID		MK82	ARSI	
7125		2010	05	16	<0630- 0730>	0630	A3E			?	Unid	B-C STN	RF72LQ	NZART	ZL1BAD
7125		2010	05	DY	<1900- 2020>	1900	A3E			?	Unid	B-C STN	RF72LQ	NZART	ZL1BAD
7125.0	6	2010	5	2	1930-2110		A3A						QG52XI	WIA	
7130.0	3	2010	5	17	0900		J3E/U					FAMILY NET 4 CHARACTER MIXED NUMBER/LETTER CIPHER	QG52XI	WIA	
7134.9		2010	5	17	0900		A1A					7120KHz ~ 7154KHz wide pulse mode PXX OTHR ?	QG52XI	WIA	
7137	34	2010	05	25	1010		PXX		non	non	non	Korean Talk and Music		JARL	non
7140	5	2010	05	01	0010	anytime	A3E	321	KRE	Vo Korea		English Talk and Music	PM97	JARL	Kujang
7140	5	2010	05	01	0106		A3E	321	KRE	Vo Korea		Russian Talk and Music		JARL	Kujang
7140	3	2010	05	01	1206		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	01	1456		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	01	1918		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	02	1208		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	02	1456		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	02	2014		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	03	1042		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	03	1212		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	03	1456		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	03	2014		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	04	1024		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	04	1210		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk
7140	3	2010	05	04	1456		A3E	352	RUS	NVK R Sakha		Russian Talk and Music		JARL	Yakutsk

7140	3	2010	05	04	1912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	05	1028	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	05	1218	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	05	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	05	1912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	06	1022	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	06	1224	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	06	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	06	1902	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	07	1024	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	07	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	07	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	07	1918	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	08	1042	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	08	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	08	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	08	1910	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	09	1022	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	09	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	09	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	09	1928	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	10	1032	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	10	1212	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	10	1456	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	10	1912	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7140	3	2010	05	11	1004	A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk

7140	3	2010	05	11	1208		A3E	352	RUS	NVK R Sakha	Korean Talk and Music	JARL	Yakutsk	
7140	3	2010	05	11	1456		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	12	1210		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	12	1456		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	13	1216		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	13	1456		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	13	1926		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	14	1210		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	14	1456		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7140	3	2010	05	23	1834		A3E	non	non	non	unknown Talk and Music	JARL	non	
7140	3	2010	05	23	1900		A3E	non	non	non	19:00 UTC no time signal	JARL	non	
7140		2010	05	DY	<0650-1930>	0650	A3E		KRE	PYONGYANG	B-C STN. STARTS AT 0650	RF72LQ	NZART	ZL1BAD
7140.0	6	2010	5	2	0930		A3A		NKR		SW BROADCAST	QG52XI	WIA	
7148.2	6	2010	5	3	1930		A3A				DISTORTED	QG52XI	WIA	
7150.0	6	2010	5	3	2000		A3A		RUS		SIGNED ON AT 20Z	QG52XI	WIA	
7151.3	3.3k	2010	05	13	<0425>	0425	M7B		?	Unid	Phase Mod. Multi-channel	RF72LQ	NZART	ZL1BAD
7155		2010	05	11	<1815>	1815	A3E		?	Unid	B-C STN	RF72LQ	NZART	ZL1BAD
7160	60k	2010	05	28	<1825-2035>	1825	PXX		?	Unid	50 P.P.S. approx. Centre 7160.	RF72LQ	NZART	ZL1BAD
7165	3	2010	05	08	1450		A3E	non	non	non	unknown Talk and Music	JARL	non	
7165	3	2010	05	17	1440		A3E	non	non	non	unknown Talk and Music	JARL	non	
7165	3	2010	05	17	1500		A3E	non	non	non	15:00 UTC no time signal	JARL	non	
7165	3	2010	05	18	1506		A3E	non	non	non	unknown Talk and Music	JARL	non	
7165	3	2010	05	20	1514		A3E	non	non	non	unknown Talk and Music	JARL	non	
7165	3	2010	05	24	1802		A3E	non	non	non	unknown Talk and Music	JARL	non	
7165	3	2010	05	25	1502		A3E	non	non	non	unknown Talk and	JARL	non	

7165		2010	05	DY	<0355-1915>	0355	A3E		Unid	Music B-C STN WITH 20 KHZ JAMMER AT TIMES	RF72LQ	NZART	ZL1BAD
7175	3	2010	05	01	1914		A3E	non	non	non		JARL	non
7175	3	2010	05	08	1912		A3E	non	non	non		JARL	non
7175	3	2010	05	13	1922		A3E	non	non	non		JARL	non
7175	3	2010	05	23	1840		A3E	non	non	non		JARL	non
7175		2010	05	DY	<1815-2000>	1815	A3E		?	Unid		NZART	ZL1BAD
7175.0	6	2010	5	3	1930		A3A		ERI		QG52XI	WIA	
7185	5	2010	05	04	1206		A3E	non	non	non		JARL	non
7185	3	2010	05	05	1214		A3E	non	non	non		JARL	non
7185	3	2010	05	06	1220		A3E	non	non	non		JARL	non
7185	3	2010	05	07	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	07	1444		A3E	non	non	non		JARL	non
7185	3	2010	05	07	1510		A3E	non	non	non		JARL	non
7185	3	2010	05	08	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	08	1914		A3E	non	non	non		JARL	non
7185	3	2010	05	09	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	10	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	12	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	13	1212		A3E	non	non	non		JARL	non
7185	3	2010	05	14	1206		A3E	non	non	non		JARL	non
7185	3	2010	05	15	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	16	1208		A3E	non	non	non		JARL	non
7185	3	2010	05	17	1206		A3E	non	non	non		JARL	non

7185	3	2010	05	18	1214		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185	3	2010	05	19	1226		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185	3	2010	05	20	1220		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185	3	2010	05	21	1206		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185	3	2010	05	22	1206		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185	3	2010	05	23	1206		A3E		non	non	non	unknown Talk and Music	JARL	non		
7185		2010	05	05	<0415>	0415	A3E			?	Unid	B-C STN WITH 20 KHZ JAMMER AT TIMES	RF72LQ	NZART	ZL1BAD	
7185		2010	05	05	<1815>	1815	A3E				?	Unid	B-C STN. + JAMMING AT TIMES	RF72LQ	NZART	ZL1BAD
7185.0	6	2010	5	3	1930		A3A					ARAB-SOUNDING, SIGNED OFF AT 20Z	QG52XI	WIA		
7186.3	3.3k	2010	05	13	<0425>	0425	M7B			?	Unid	Phase Mod. Multi-channel	RF72LQ	NZART	ZL1BAD	
7189.0		2010	5	10	1020		A1A					4 CHARACTER MIXED NUMBER/LETTER CIPHER	QG52XI	WIA		
7190	6	2010	05	05	<0200-0215>		A3E			CLN	SLBC	SOUTH ASIAN EXTERNAL SERVICE FROM SLBC IN HINDI - COLOMBO, SRI LANKA	MK82	ARSI		
7190	6	2010	05	08	<0225-0235>		A3E			CLN	SLBC	SOUTH ASIAN EXTERNAL SERVICE FROM SLBC IN HINDI - COLOMBO, SRI LANKA	MK82	ARSI		
7190	6	2010	05	19	<0155-0205>		A3E			CLN	SLBC	SOUTH ASIAN EXTERNAL SERVICE FROM SLBC IN HINDI - COLOMBO, SRI LANKA	MK82	ARSI		
7190		2010	05	18	<1815>	1815	A3E			KWT	KUWAIT	B-C. ARABIC LANGUAGE.	RF72LQ	NZART	ZL1BAD	
7196	7100.0	2010	05	10	20:38	<20:38>	A3E 3					VOICE,MUSIC	JARL			
7200	5	2010	05	01	0224		A3E		321	KRE	Vo Korea	Chainese Talk and	JARL		Petropavlovs	

7200	5	2010	05	01	0340		A3E	321	KRE	Vo Korea	Music English Talk and Music	JARL	Yakutsk	
7200	5	2010	05	01	0730		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	01	1004		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	01	1204		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	01	1458		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk	
7200	5	2010	05	01	1912		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2010	05	02	0006		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	02	0120		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	02	0210		A3E	321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	5	2010	05	02	0330		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	02	0706		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	02	1012		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	02	1206	anytime	A3E	321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7200	5	2010	05	02	1458		A3E	352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk	
7200	5	2010	05	02	2012		A3E	352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2010	05	03	0020		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	03	0110		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	03	0220		A3E	321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	03	0340		A3E	321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	03	0730		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	03	1040		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	03	1206		A3E	321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	

7200	3	2010	05	03	1208	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
											Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after		
7200	5	2010	05	03	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	03	2012	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	04	0004	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	04	0112	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	04	0210	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	04	0330	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	04	0720	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	04	1020	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	04	1204	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
											Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after		
7200	5	2010	05	04	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	04	1910	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	05	0012	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	05	0104	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	05	0212	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	05	0330	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	05	0714	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	05	1026	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	05	1204	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
											Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after		
7200	5	2010	05	05	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	05	1910	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	06	0030	A3E		321	KRE	Vo Korea	Korean Talk and	JARL	Kujang

7200	5	2010	05	06	0106		A3E		321	KRE	Vo Korea	Music English Talk and Music	JARL	Kujang	
7200	5	2010	05	06	0240		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	5	2010	05	06	0330		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	06	0910		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	06	1020		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	06	1218		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	06	1458	anytime	A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	PM97	JARL	Yakutsk
7200	5	2010	05	06	1900		A3E		352	RUS	NVK R Sakha	Russian Talk and Music 19:00 UTC Time signal 5+1 4sec late Prog start		JARL	Yakutsk
7200	5	2010	05	07	0004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	07	0112		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	07	0226		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	07	0340		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	07	0710		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	07	1022		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	07	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	07	1206		A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk	
7200	5	2010	05	07	1458		A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT		JARL	Yakutsk
7200	5	2010	05	07	1916	anytime	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	PM97	JARL	Yakutsk
7200	5	2010	05	08	0012		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	08	0110		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	08	0228		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	

7200	5	2010	05	08	0342	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	08	0830	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	08	1040	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	08	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	08	1458	A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	05	08	1918	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	09	0008	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	09	0118	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	09	0230	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	09	0344	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	09	0730	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	09	1020	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	09	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	09	1458	A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	05	09	1926	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	10	1030	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	10	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	10	1458	A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	05	10	1910	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	11	0004	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	11	0112	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	11	0210	A3E		321	KRE	Vo Korea	Chainese Talk and	JARL	Kujang

7200	5	2010	05	11	0340	A3E		321	KRE	Vo Korea	Music English Talk and Music	JARL	Kujang
7200	5	2010	05	11	0710	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	11	1002	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	11	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	11	1458	A3E		352	RUS	NVK R Sakha	Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	05	12	0008	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	12	0104	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	12	0214	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	12	0338	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	12	0710	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	12	1004	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	12	1204	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	05	12	1206	A3E		352	RUS	NVK R Sakha	Russian Talk and Music Russian Talk and Music 15:00 UTC Time signal 5+1 4sec late after QRT	JARL	Yakutsk
7200	5	2010	05	12	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	13	0012	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	13	0104	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	13	0210	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	13	0324	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	13	0714	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	13	1008	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	05	13	1010	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	5	2010	05	13	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang

7200	3	2010	05	13	1208	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
											Russian Talk and Music 15:00 UTC		
											Time signal 5+1		
											4sec late after		
7200	5	2010	05	13	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	13	1920	A3E		352	RUS	NVK R Sakha	Russian Talk and Music	JARL	Yakutsk
7200	3	2010	05	14	0008	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	3	2010	05	14	0118	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	3	2010	05	14	0230	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	3	2010	05	14	0318	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	14	0710	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	14	1004	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	14	1204	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
											Russian Talk and Music 15:00 UTC		
											Time signal 5+1		
											4sec late after		
7200	5	2010	05	14	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	3	2010	05	15	0006	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	15	0110	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	15	0220	A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang
7200	5	2010	05	15	0340	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	15	0710	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	15	1024	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	15	1206	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
											Russian Talk and Music 15:00 UTC		
											Time signal 5+1		
											4sec late after		
7200	3	2010	05	15	1458	A3E		352	RUS	NVK R Sakha	QRT	JARL	Yakutsk
7200	5	2010	05	16	0010	A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang
7200	5	2010	05	16	0108	A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang
7200	5	2010	05	16	0220	A3E		321	KRE	Vo Korea	Chainese Talk and	JARL	Kujang

7200	5	2010	05	16	0340		A3E		321	KRE	Vo Korea	Music			
												English Talk and Music	JARL	Kujang	
7200	5	2010	05	16	0710		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	16	1004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	16	1206		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	17	0012		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	17	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	17	0210		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	17	0340		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	17	0704		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	17	1002		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	17	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	18	0010	anytime	A3E		321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7200	5	2010	05	18	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	18	0202		A3E		321	KRE	Vo Korea	Chainese talk and Music	JARL	Kujang	
7200	5	2010	05	18	0340		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	18	0704		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	18	1004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	18	1210		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	19	0010		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	19	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	19	0212		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	19	0302		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	5	2010	05	19	0710		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	19	1010		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	19	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	

7200	5	2010	05	20	0004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	20	0112		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	20	0224		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	20	0304		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	20	0736		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	20	1008		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	20	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	21	0006		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	21	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	21	0210		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	21	0330		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	21	0710		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	21	1002		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	21	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	22	0010		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	22	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	22	0214		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	22	0340		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	22	0704		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	22	1014		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	22	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	23	0012		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	23	0110	anytime	A3E		321	KRE	Vo Korea	English Talk and Music	PM97	JARL	Kujang
7200	3	2010	05	23	0220		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	23	0344		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	23	0830		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	

7200	5	2010	05	23	1004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	23	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	23	1906		A3E		non	non	non	unknown Talk and Music	JARL	non	
7200	3	2010	05	24	0008		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	24	0120		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	24	0210		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	24	0330		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	24	0826		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	5	2010	05	24	1008		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	24	1210	anytime	A3E		321	KRE	Vo Korea	Korean Talk and Music	PM97	JARL	Kujang
7200	3	2010	05	25	0008		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	3	2010	05	25	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	3	2010	05	25	0214		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	3	2010	05	25	0230		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	25	0310		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	25	0704		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	25	1004		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	25	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	26	0010		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	26	0104		A3E		321	KRE	Vo Korea	English Talk and Music	JARL	Kujang	
7200	5	2010	05	26	0202		A3E		321	KRE	Vo Korea	Chainese Talk and Music	JARL	Kujang	
7200	5	2010	05	31	0710		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	31	1006		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200	5	2010	05	31	1204		A3E		321	KRE	Vo Korea	Korean Talk and Music	JARL	Kujang	
7200.0	6	2010	5	2	0930		A3A			RUS		DAILY, RADIO ROSSII	QG52XI	WIA	
7200.0	6	2010	5	2	0930		A3A			KRE		DAILY, NEW FREQUENCY	QG52XI	WIA	

7240		2010	05	26	<0610>	0610	A3E		AUS	Pacific Beat Radio	Broadcast Station Australia SHARED BAND, BUT NO BROADCASTERS	RE68XL	NZART	ZL2TZE
10100.0	6	2010	5	4	1000		A3A				OTHER S5 with QSB	QG52XI	WIA	
10112	3	2010	05	22	<0458>	0458	PXX	300	?	Unid	Commercial RTTY S7 with QSB DL WARC ?	RF73MF	NZART	ZL1GWE
10130		2010	05	22	<0442>	0442	F1D	300	?	Unid	Non Amateurs - Chinese? QSB	RF73MF	NZART	ZL1GWE
10135		2010	05	22	<0443>	0443- 0453	J3E/U	345	?	Unid	Stopped at 0453 SRI LANKAN FISHING TRAWLERS IN SINHALA	RF73MF	NZART	ZL1GWE
14000		2010	05	02	<0215- 0220>		J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	
14000		2010	05	02	<1140- 1155>		J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	
14000		2010	05	04	<0245- 0300>		J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM SRI LANKAN FISHING TRAWLERS IN SINHALA	MK82	ARSI	
14000		2010	05	18	<0230- 0235>		J3E/U		CLN	UNID	LANGUAGE ONLY – 2 OM DAILY, ASIAN, PROBABLY CHINESE SOUNDS AFRICAN	MK82	ARSI	
14000.0	3	2010	5	3	0910-0940		J3E/U				LANGUAGE	QG52XI	WIA	
14002.0	3	2010	5	5	0915		J3E/L				PXX S7 PXX S7 previous day Nil	QG52XI	WIA	
14003.5	7	2010	05	22	<0501>	0501	PXX	300	?	Unid	SRI LANKAN FISHING TRAWLERS IN SINHALA	RF73MF	NZART	ZL1GWE
14004	6	2010	05	30	<0522>	0522	PXX	330	?	Unid	LANGUAGE	RF73MF	NZART	ZL1GWE
14005.4		2010	05	01	<1105- 1115>		J3E/U		CLN	UNID	LANGUAGE	MK82	ARSI	

ONLY – 2 OM

14005.5	3	2010	5	3	0940		J3E/L		CHN				QG52XI	WIA	
14006.2		2010	05	18	<0235-0245>		J3E/U		CLN	UNID			MK82	ARSI	
14006.5		2010	05	03	<0315-0325>		J3E/U		CLN	UNID			MK82	ARSI	
14007.8	3	2010	5	8	0810	J3E/L			CHN				QG52XI	WIA	
14008		2010	05	DY	<0000>	0000-0900	F1B	50	250	RUS	Unid		RF72LQ	NZART	ZL1BAD
14008.0	1	2010	5	17	0915		F1B		250				QG52XI	WIA	
14010.0	6	2010	5	14	2355		A3A			PHL			QG52XI	WIA	
14010.5		2010	05	04	<0055-0105>		XXX			UNID	UNID		MK82	ARSI	
14011.4		2010	05	02	<0240-0255>		J3E/U			CLN	UNID		MK82	ARSI	
14011.6		2010	05	02	<1140-1155>		J3E/U			CLN	UNID		MK82	ARSI	
14013.0		2010	5	24	0720	A1A					4ALQ		QG52XI	WIA	
14014		2010	05	08	<0225-0235>		J3E/U			CLN	UNID		MK82	ARSI	

SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM

RUSSIAN NAVAL SHORE STN STARTED AS N0N, THEN F1B, STOPPED AT 0915

VOA IMD SPREADING FROM 14007 TO 14014 Khz.

SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM

14014		2010	05	27	<0245-0255>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14014.2	3	2010	05	11	0915	J3E/U				ASIAN	QG52XI	WIA
14016.0	1	2010	05	13	0925	F1B	250			NO DECODES SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52XI	WIA
14018		2010	05	03	<0220-0230>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14020		2010	05	03	<0155-0205>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14020		2010	05	06	<0205-0215>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14020		2010	05	06	<1140-1200>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14022		2010	05	19	<1250-1300>	J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14024		2010	05	12	<1050-1110>	J3E/U		CLN	UNID	NON AMATEUR CHINESE SPEAKING ;OM-	MK82	ARSI
14025		2010	05	04	<0055-0105>	J3E/U		CHN	UNID	OM.; FISHING TRAWLERS	MK82	ARSI

14025		2010	05	06	<0045-0055>	J3E/U			CHN	UNID	NON AMATEUR CHINESE SPEAKING ;OM-OM.; FISHING TRAWLERS	MK82	ARSI
14025		2010	05	20	<0210-0220>	J3E/U			CHN	UNID	NON AMATEUR CHINESE SPEAKING ;OM-OM.; FISHING TRAWLERS	MK82	ARSI
14025		2010	05	21	<0240-0250>	J3E/U			CHN	UNID	NON AMATEUR CHINESE SPEAKING ;OM-OM.; FISHING TRAWLERS	MK82	ARSI
14027.9	1	2010	5	3	0730	F1B	HIGH	250	310			QG52XI	WIA
14028.2	3	2010	5	3	0940-2045	J3E/U					ASIAN	QG52XI	WIA
14030.0	3	2010	5	5	0820-0910	J3E/L					DAILY, ASIAN, NOT CHINESE	QG52XI	WIA
14038.8	3	2010	5	14	2330	J3E/L					DAILY, ASIAN	QG52XI	WIA
14039.8	3	2010	5	17	0620	J3E/U					ASIAN, DISTORTED	QG52XI	WIA
14040.0	6	2010	5	14	2355	A3A			PHL		VOA IMD	QG52XI	WIA
14040.6	3	2010	5	3	0940	J3E/U			CHN		DAILY SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52XI	WIA
14043		2010	05	07	<1345-1355>	J3E/L			CLN	UNID	DAILY	MK82	ARSI
14043.8	3	2010	5	5	0920	J3E/L			CHN		>15 CARRIERS, 200HZ SPACING, HIGH BAUD RATE	QG52XI	WIA
14044.0	5	2010	5	3	0725	G7D	HIGH		310		DAILY, FAMILY NET	QG52XI	WIA
14046.0	5	2010	5	13	0915	J3E/U			CHN		ASIAN, PROBABLY NOT CHINESE	QG52XI	WIA
14046.8	3	2010	5	11	0825	J3E/U					ASIAN	QG52XI	WIA
14047.5	3	2010	5	15	0010	J3E/U					DAILY, ASIAN, NOT CHINESE	QG52XI	WIA
14048.0	3	2010	5	2	2210-0720	J3E/U			PHL		SPANISH FISHING BOATS / FAMILY NET	QG52XI	WIA
14048.0	3	2010	5	14	2135	J3E/U			E			QG52XI	WIA
14050		2010	05	28	<0515-0525>	J3E/U			AP	UNID	SINDHI SPEAKING FISHING	MK82	ARSI

Frequency	Power	Year	Month	Day	Time	Code	Lat	Long	Alt	Category	Notes	Other	Other	Other	Other	
14050.0	3	2010	5	3	0550	J3E/U			300							
14050.0	1	2010	5	7	0700	F1B			250							
14050.0	50	2010	5	17	0250	PXX										
14054		2010	05	19	<0355-0405>	J3E/U				CLN	UNID					
14055.5	7	2010	05	22	<0503>	PXX	0503		300	?	Unid					
14055.6	3	2010	5	14	2310	J3E/U										
14055.9	3	2010	5	17	0630	J3E/U				PHL						
14057		2010	05	18	<0235-0245>	J3E/U				CLN	UNID					
14057	7	2010	05	30	<0525>	PXX	0525		330	?	Unid					
14064.0	3	2010	5	8	0300-0800	J3E/U				PHL						
14065.0	3	2010	5	7	2300	J3E/L				CHN						
14065.0	6	2010	5	15	0000	A3A				PHL	VOA					
14100.0	3	2010	5	3	0650-0920	J3E/U										
14102.2	3	2010	5	3	0040	J3E/U				CHN						
14107.5	7	2010	05	22	<0505>	PXX	0505		300	?	Unid					
14109	7	2010	05	30	<0527>	PXX	0527		330	?	Unid					
14115.5	3	2010	5	29	0145	J3E/U										
14135.0	6	2010	5	2	2230	A3A				PHL	VOA					
14160	9	2010	05	30	<0530>	PXX	0530		330	?	Unid					
14160.0	6	2010	5	14	2355	A3A				PHL	VOA					
14160.0	3	2010	5	26	0810	J3E/U										
14160.5	7	2010	05	22	<0506>	PXX	0506		300	?	Unid					
14175.3	3	2010	5	26	0805	J3E/L										
14180		2010	05	21	<2238>	PXX	2238			?	Unid					

TRAWLERS 2-OM

SELCAL-LIKE TONES QG52XI WIA
DAILY QG52XI WIA
OTHR QG52XI WIA
SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM MK82 ARSI
PXX S7 RF73MF NZART ZL1GWE
ASIAN QG52XI WIA
QG52XI WIA
SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM MK82 ARSI
PXX S7 previous day Nil RF73MF NZART ZL1GWE
DAILY, TAGALOG QG52XI WIA
QG52XI WIA
IMD QG52XI WIA
DAILY, ASIAN, SINGING QG52XI WIA
FAMILY NET QG52XI WIA
PXX S7 RF73MF NZART ZL1GWE
PXX S7 previous day Nil RF73MF NZART ZL1GWE
ASIAN, FAMILY NET, SINGING QG52XI WIA
IMD QG52XI WIA
PXX S6 previous day Nil RF73MF NZART ZL1GWE
IMD QG52XI WIA
ASIAN, FAMILY NET QG52XI WIA
PXX S7 RF73MF NZART ZL1GWE
ASIAN QG52XI WIA
PXX S9 4 seconds bursts with delay of 7 seconds RE66XL NZART ZL2TZE

14180	240	2010	05	21	<2312>	2312	PXX		300	?	Unid	PXX 82 PPS 3 second bursts, 6 seconds apart 15db over S9	RF80HL	NZART	ZL2iFB	
14180.0	150	2010	5	31	0940		PXX					OTHR	QG52XI	WIA		
14194.0		3	2010	5	26	0800	G7D					5 CARRIERS, VARIED SPACING	QG52XI	WIA		
14212	6	2010	05	22	<0509>	0509	PXX		300	?	Unid	PXX S7	RF73MF	NZART	ZL1GWE	
14233		2010	05	28	<0705>	0705	F1B	250		?	Unid	Encrypted	RF72LQ	NZART	ZL1BAD	
14250.2	6	2010	5	2	0950-2230		A3A						QG52XI	WIA		
14265	8	2010	05	30	<0532>	0532	PXX		330	?	Unid	PXX S6 previous day Nil	RF73MF	NZART	ZL1GWE	
14266	6	2010	05	22	<0510>	0510	PXX		300	?	Unid	PXX S7	RF73MF	NZART	ZL1GWE	
14290.0	6	2010	5	2	2230		A3A					IMD	QG52XI	WIA		
14290.0	6	2010	5	14	2355		A3A					IMD	QG52XI	WIA		
14290.0	6	2010	5	15	0000		A3A					IMD	QG52XI	WIA		
14310.0	3	2010	5	26	0800		J3E/L					ASIAN	QG52XI	WIA		
14318	7	2010	05	30	<0534>	0534	PXX		330	?	Unid	PXX S6 previous day Nil	RF73MF	NZART	ZL1GWE	
14318.5	9	2010	05	22	<0513>	0513	PXX		300	?	Unid	PXX S7 with QSB deep	RF73MF	NZART	ZL1GWE	
14323.2	3	2010	5	4	0950		J1B					STRANGE REPEATED DATA STREAM,START & STOP BEEPS SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	QG52XI	WIA		
14323.7		2010	05	15	<0405- 0410>		J3E/U			CLN	UNID		MK82	ARSI		
14333.4	3	2010	5	4	0950		J3E/U					ASIAN	QG52XI	WIA		
14335.0	200	2010	5	4	0950		PXX					OTHR	QG52XI	WIA		
14335.0	3	2010	5	26	0750		J3E/U					TAGALOG OR BAHASA	QG52XI	WIA		
14345.1	3	2010	5	5	0920		J3E/L					ASIAN	QG52XI	WIA		
18075	40k	2010	05	06	<0445- 0500>	0445	PXX				?	Unid	PPS Not Counted	RF72LQ	NZART	ZL1BAD
18097	7	2010	05	30	<0536>	0536	PXX		330	?	Unid	PXX S6 RUSSIAN MARITIME SHORE STN	RF73MF	NZART	ZL1GWE	
18107		2010	05	DY	<2200>	2200- 0700	F1A/F1B	250		RUS	Unid		RF72LQ	NZART	ZL1BAD	
21010.0	22	2010	5	3	0950		PXX						OTHR	QG52XI	WIA	

21015	20	2010	05	30	<0445>	0445-0502	PXX	000	?	Unid	OTHER S8 5.5 sec bursts 26 second gaps 66pps straight over the top of CW signals strong paints on spectrum analyser, Solar Cycle A Index 26	RF73MF	NZART	ZL1GWE
21021		2010	05	25	<1045-1055>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM ASIAN, NOT CHINESE	MK82	ARSI	
21030.2	3	2010	5	3	0050		J3E/U					QG52XI	WIA	
21033		2010	05	19	<0323>	0323-0325	PXX	300	?	?	OTHER same source as above	RF80HL	NZART	ZL2iFB
21044	18	2010	05	19	<0332>	0332	PXX	300	?	?	OTHER Not counted PXX 1.4 second long bursts every 10 seconds 83 PPS	RF80HL	NZART	ZL2iFB
21078		2010	05	19	<0309>	0309-0313	PXX	300	?	?		RF80HL	NZART	ZL2iFB
21095.9	3	2010	5	5	0740		J3E/L		CHN			QG52XI	WIA	
21111.0	3	2010	5	5	0805		J3E/L		CHN			QG52XI	WIA	
21122.0	3	2010	5	8	0815		J3E/U		CHN		DAILY, FAMILY NET	QG52XI	WIA	
21122.9	3	2010	5	13	0750		J3E/U				ASIAN	QG52XI	WIA	
21379		2010	05	19	<0351>	0351	PXX	300	?	?	PXX 60pps 1.5 seconds bursts	RF80HL	NZART	ZL2iFB
24900	200K	2010	05	29	<0630-0700>	0630-0700	VXX		CHN	Unid	CODAR SEA STATE RADAR	RF72LQ	NZART	ZL1BAD