



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



May 2015

Peter Young VK3MV

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

This month there were 772 observations of intruders made across the Region as compared to last month's number of 840.

Last month there was a data signal on 14300kHz consisting of one second CW pulses with random data bursts. The system has been identified as a Chinese system that in Region 3 is allowed to operate on this channel legitimately in accordance with the ITU Table of Allocations.

OHR systems continue to be the most prominent intruders, on 10, 15 and 20 meters. The OHR system operating around 6930 kHz has now moved back into 40 meters on 7050 kHz. There have been reports of 3 OHR systems operating across 80 meters. These intrusions are ongoing despite repeated reports to regulatory authorities.

There are the usual intrusions RUS cw beacons stations 40 meters.

There is the continual illegal use of 10 meters for local short-range communications in a number of Asian countries. More detail is provided in the attached data report.

Thank you to all the regional observers for their reports, these reports are needed, and really appreciated. Keep them coming. Monitoring reports can also be sent directly to me, if you don't have a national monitoring coordinator.

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

Peter – VK3MV

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3516.6	3	2015	5	2	1955		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3528.0	1	2015	5	2	2025		F1B		200					QG62an	WIA	VK4TJ
3531.0	3	2015	5	12	1820		J3E/U				CHN		READING LIST (TWICE)	QG62an	WIA	VK4TJ
3531.0	5	2015	5	11	2020		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3536.0	1	2015	5	12	1820		F1B		200					QG62an	WIA	VK4TJ
3552.0	5	2015	5	18	1850		G7D						BURSTS	QG62an	WIA	VK4TJ
3560.0	5	2015	5	29	2000		G7D						DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
3564.0	1	2015	5	12	1820		F1B		200					QG62an	WIA	VK4TJ
3569.0		2015	5	29	2000		A1A					NZ06	CALL OVER & OVER	QG62an	WIA	VK4TJ
3572.0	3	2015	5	2	1955		J1C						FAX	QG62an	WIA	VK4TJ
3585.0	3	2015	5	2	1955		J1C				JPN		FAX	QG62an	WIA	VK4TJ
3587.0	3	2015	5	29	2000		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
3592.0	1	2015	5	29	1955		F1B						IDLING	QG62an	WIA	VK4TJ
3593.7		2015	5	12	1820		A1A					P	BEACON	QG62an	WIA	VK4TJ
3597.0	3	2015	5	29	1955		J1C						FAX	QG62an	WIA	VK4TJ
3600.0		2015	5	12	1820		A1A						MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
3606.7		2015	5	29	1955		A1A					E	PACTOR SYNC SIGNAL	QG62an	WIA	VK4TJ
3623.0	3	2015	5	2	1955		J1C				JPN		FAX	QG62an	WIA	VK4TJ
3624.5		2015	5	18	1950		A1A					3FU3		QG62an	WIA	VK4TJ
3636.0	3	2015	5	2	2000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3640.7	3	2015	5	2	2000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3642.0		2015	5	11	2010		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3650.0	150	2015	5	3	0945		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3690.0	3	2015	5	12	1825		J3E/L						RUSSIAN MARTIAL MUSIC	QG62an	WIA	VK4TJ
3694.5		2015	5	11	2005		A1A						MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
3700.0	150	2015	5	18	1840		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3705	0.5	2015	05	16	11:27		A1A						train of "F","M"	PM84UQ	JARL	
3770.0		2015	5	12	1825		A1A						MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH	QG62an	WIA	VK4TJ

CHARACTERS

3777.0		2015	5	2	2000		A1A		RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3778.0	1	2015	5	11	2005		F1B			ALE, REPEATING	QG62an	WIA	VK4TJ
								IND	Unid	Non Amateurs	RF73HM	NZART	ZL3CX
3780.5		2015	05	12	<1100>	1100	J3E/U			Asian/Indonesian			
3787.0		2015	5	29	1945		A1A		RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3790.0	2	2015	5	19	0815		G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
3791.0		2015	5	2	2000		A1A			MIXED	QG62an	WIA	VK4TJ
										NUMBER/LETTER			
										CIPHER, SOME			
										NON-ENGLISH			
										CHARACTERS			
3796.6		2015	5	2	2015		A1A		T	BEACON	QG62an	WIA	VK4TJ
3797.0		2015	5	12	1830		A1A		RIS9	2ND TX	QG62an	WIA	VK4TJ
6990.0	150	2015	5	2	2025		P0N			OTHR,	QG62an	WIA	VK4TJ
										CONTINUOUS			
7000.0	3	2015	5	2	0855		J3E/U	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
								?	Unid	RADIO			
										Non-Hams, mainly	RF72LQ	NZART	ZL1BAD
										Spanish &			
										Indonesian			
7000		2015	05	DY	HX	HX	J3E/L			Languages - when			
										OTHR is not on.			
7000		2015	05	DY	HX	HX	G7DE/F	?	Unid	HF Man Pack 1, 6	RF72LQ	NZART	ZL1bBAD
								IND	?	& 8 PSK			
										Non Amateurs	RF73MF	NZART	ZL1GWE
										chatting			
7000		2015	05	24	<0714>	0714-	j3E/U			Indonesian			
								IND	?	language S4			
										Non Amateurs	RF73MF	NZART	ZL1GWE
										chatting			
										Indonesian			
										language S3 -			
										drowned out by			
7000		2015	05	30	<0732>	0732	j3E/U			CW contest			
7005.0	3	2015	5	2	0920		J3E/L	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7005.0	3	2015	5	3	1025		J3E/U	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7008.0	5	2015	5	12	1810		G7D				QG62an	WIA	VK4TJ
7010.0	3	2015	5	2	0920		J3E/L	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7010.0	3	2015	5	2	0855		J3E/U	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7015.0	3	2015	5	2	0900		J3E/L	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7015.0	3	2015	5	3	1025		J3E/U	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7020.0	3	2015	5	2	0900		J3E/L	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ
										RADIO			
7020.0	3	2015	5	2	0900		J3E/U	INS		DAILY, VILLAGE	QG62an	WIA	VK4TJ

7023.0	3	2015	5	18	1920	J3E/U				RADIO			
7025.0	3	2015	5	3	0930	J3E/L	INS			ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7025.0	3	2015	5	3	1025	J3E/U	INS			DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7027.5		2015	5	12	1810	A1A	RUS	V		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7027.6		2015	05	07	<2335-2345>	A1A	UNID	"v"		BEACON SINGLE LETTER	MK82	ARSI	
7027.6		2015	05	14	<2100-2115>	A1A	UNID	"v"		BEACON "v" SINGLE LETTER	MK82	ARSI	
7030.0	2	2015	5	16	0630	G7DF				BEACON "v" MANPACK RADIO	QG62an	WIA	VK4TJ
7030.0	3	2015	5	2	0925	J3E/L	INS			DAILY, VILLAGE RADIO, SINGING	QG62an	WIA	VK4TJ
7030.0	3	2015	5	29	-945	J3E/U	INS			DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
							CHN	Unid		OTHR Out of band but extending to 7030	RF72LQ	NZART	ZL1BAD
7030		2015	05	11	<1950>	P0N							
7035.0	2	2015	5	4	0930	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7038.6		2015	5	2	1950	A1A	RUS	D		DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ
7038.9		2015	5	2	1950	A1A	RUS	S		HARBOUR BEACON	QG62an	WIA	VK4TJ
7039	0.5	2015	05	01	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	01	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	01	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	01	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	01	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	01	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1020	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1024	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1202	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1206	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1620	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	02	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	03	1030	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	03	1204	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	03	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	03	1910	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	03	1914	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	04	1030	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	04	1034	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	04	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	04	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	04	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL	

7039	0.5	2015	05	04	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	04	1850	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1226	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	05	1850	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	06	1020	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	06	1230	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	06	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	06	1820	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	07	1020	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	07	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	07	1630	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	07	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	08	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	08	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	08	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	08	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1230	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1234	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1620	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1850	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	09	1854	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1900	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	10	1904	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1630	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1850	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	11	1854	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	12	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	12	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	12	1630	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	12	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	12	1844	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	13	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	13	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL

	7039	0.5	2015	05	13	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	13	1224	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	13	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	13	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	13	1820	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	13	1824	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1224	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1620	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1624	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	14	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1012	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1206	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	15	1844	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1224	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	16	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1012	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1220	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1222	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1614	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1618	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	17	1844	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1020	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1022	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1620	A1A	321	RUS	F--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1622	A1A	15	RUS	M--signal	Beacon	PM97	JARL
	7039	0.5	2015	05	18	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL

[illegible]

7039	0.5	2015	05	24	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	24	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	24	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	24	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1230	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1234	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1820	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	25	1824	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	0950	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	0954	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1614	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1840	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	26	1644	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1206	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1620	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1624	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1910	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	27	1914	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1610	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	28	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	29	1010	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	29	1014	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	29	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL
7039	0.5	2015	05	29	1214	A1A	321	RUS	F--signal	Beacon	PM97	JARL
7039	0.5	2015	05	29	1620	A1A	321	RUS	F--signal	Beacon	PM97	J

7039	0.5	2015	05	30	1210	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	30	1214	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	30	1610	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	30	1614	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	30	1830	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	30	1834	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1012	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1016	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1210	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1214	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1618	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1622	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1830	A1A	321	RUS	F--signal	Beacon	PM97	JARL	
7039	0.5	2015	05	31	1834	A1A	15	RUS	M--signal	Beacon	PM97	JARL	
7039		2015	05	DY	<0300>	0300-2200 A1A		RUS	D	CW Beacon	RF72LQ	NZART	ZL1BAD
7039		2015	05	DY	<0300>	0300-2200 A1A		RUS	M	CW Beacon QTH Vladivostok	RF72LQ	NZART	ZL1BAD
7039		2015	05	DY	<0300>	0300-2200 A1A		RUS	F	CW Beacon	RF72LQ	NZART	ZL1BAD
7039		2015	05	DY	<0300>	0300-2200 A1A		RUS	K	CW Beacon	RF72LQ	NZART	ZL1BAD
7039		2015	05	DY	<0300>	0300-2200 A1A		RUS	C	CW Beacon	RF72LQ	NZART	ZL1BAD
7039.2		2015	05	2	0855	A1A		RUS	F	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ
7039.3		2015	5	2	0855	A1A		RUS	K	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ
7039.4		2015	5	2	0855	A1A		RUS	M	DAILY, HARBOUR BEACON	QG62an	WIA	VK4TJ
7040	0.5	2015	05	07	12:16	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	08	13:32	A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	05	10	11:27	A1A				train of "F","M","K"	PM84UQ	JARL	
7040	0.5	2015	05	14	11:33	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	17	11:00	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	19	14:27	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	21	12:47	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	22	13:24	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	23	12:47	A1A				train of "F","M"	PM84UQ	JARL	
7040	0.5	2015	05	25	11:39	A1A				train of "F","M"	PM84UQ	JARL	
7050.2	3	2015	5	18	1900	J3E/L				NEWS RELAY + MUSIC, RUSSIAN LANGUAGE	QG62an	WIA	VK4TJ
7052.0		2015	5	12	1810	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ

7100.0		2015	5	12	1810	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
7105.0	1	2015	5	12	1815	F1B				CONTINUOUS	QG62an	WIA	VK4TJ
7111.0	1	2015	5	12	1815	F1B				CONTINUOUS	QG62an	WIA	VK4TJ
7111.0	5	2015	5	2	0905	G7D				4BPSK	QG62an	WIA	VK4TJ
7112.0		2015	5	12	1815	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
7114.0	1	2015	5	12	1815	F1B				CONTINUOUS	QG62an	WIA	VK4TJ
7117.0		2015	5	28	0955	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
7119.0	3	2015	5	11	2025	F1B				ALE, REPEATING	QG62an	WIA	VK4TJ
7120.0	8	2015	5	12	1805	A3E		SOM		RADIO HARGEISA CODAR	QG62an	WIA	VK4TJ
7120.0	40	2015	5	2	1955	VXX					QG62an	WIA	VK4TJ
7120		2015	05	DY	<1830>	A3E	1830	SOM	R>Hargasia	B-C mixed programs	RF72LQ	NZART	ZL1BAD
7122.0	1	2015	5	2	0855	A2A		RUS	V	HARBOUR BEACON, MODULATION = HUM	QG62an	WIA	VK4TJ
7130.0	2	2015	5	8	0915	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
7134.0		2015	5	18	2020	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ
7140	90	2015	05	28	<1150>	P0N	1150	?	Unid	OTHR Continuous	RF72LQ	NZART	ZL1BAD
7151.0		2015	5	8	0905	A1A				NUMBER CIPHER	QG62an	WIA	VK4TJ
7155	30	2015	05	11	<1950>	P0N	1950	?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7155	30	2015	05	17	<1950>	P0N	1950	?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7155	30	2015	05	26	<0730>	P0N	0730	?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART	ZL1BAD
7156.6	3	2015	5	29	0950	J3E/U				ASIAN	QG62an	WIA	VK4TJ
7160.0	100	2015	5	2	0900	P0N				OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7163.5	3	2015	5	29	0950	J3E/U				ASIAN	QG62an	WIA	VK4TJ
7164.0		2015	5	12	1815	A1A				MIXED NUMBER/LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG62an	WIA	VK4TJ

7164.0	1	2015	5	12	1805		F1B					QG62an	WIA	VK4TJ
7170	30	2015	05	28	<1930>	1930	P0N	?	Unid	OTHR Continuous		RF72LQ	NZART	ZL1BAD
7171.0	3	2015	5	22	0810		J3E/U			3 pps				
								ERI	VOBM	ASIAN		QG62an	WIA	VK4TJ
										BC station - Voice		RE68XL	NZART	ZL2TZE
										of Broad Masses				
7175	20	2015	05	05	<1816>	1816	A3E			S9 + 10 db				
7179.0		2015	5	18	2020		A1A			MIXED		QG62an	WIA	VK4TJ
										NUMBER/LETTER				
										CIPHER, SOME				
										NON-ENGLISH				
										CHARACTERS				
7180.0	3	2015	5	19	0920		J3E/U			ASIAN		QG62an	WIA	VK4TJ
7180.0	40	2015	5	18	1955		VXX			CODAR		QG62an	WIA	VK4TJ
7185.0		2015	5	5	0835		N0N			PROBABLY SW		QG62an	WIA	VK4TJ
										BROADCAST				
7190.0	40	2015	5	29	1945		VXX			CODAR		QG62an	WIA	VK4TJ
7192.0	3	2015	5	19	2120		J3E/U			ASIAN		QG62an	WIA	VK4TJ
								?	Unid	B-C strn. Chinese		RF72LQ	NZART	ZL1BAD
7195		2015	05	28	<1150>	1150	A3E			language				
7197.0	5	2015	5	29	0955		G7D			16		QG62an	WIA	VK4TJ
										SUBCARRIERS				
										ON CLOSE-				
										SPECED				
										INTERVALS				
7200.0	8	2015	5	12	1815		A3E		IRN	GERMAN		QG62an	WIA	VK4TJ
										LANGUAGE				
										BROADCAST				
7200.0	8	2015	5	29	1005		A3E			CHINESE		QG62an	WIA	VK4TJ
										LANGUAGE				
										BROADCAST				
10135.0	2	2015	5	16	0710		G7DF			MANPACK RADIO		QG62an	WIA	VK4TJ
13999.0	3	2015	5	3	0910		J3E/U			DAILY, ASIAN		QG62an	WIA	VK4TJ
14000.0		2015	5	26	0410		N0N					QG62an	WIA	VK4TJ
14000.0	2	2015	5	14	0830		G7DF			MANPACK RADIO		QG62an	WIA	VK4TJ
14000.0	3	2015	5	12	0735		J3E/U			MUSIC		QG62an	WIA	VK4TJ
14000.0	3	2015	5	8	0755		J3E/U			ASIAN		QG62an	WIA	VK4TJ
14000.0	20	2015	5	7	0815		P0N			OTHR, BURSTS		QG62an	WIA	VK4TJ
								?	Unid	HF Man Pack 1, 6		RF72LQ	NZART	ZL1BAD
14000		2015	05	DY	HX	HX	G7DE/F			& 8 PSK				
14003.0	3	2015	5	4	0500		J3E/L			SPANISH OR		QG62an	WIA	VK4TJ
										ITALIAN				
14005.0	2	2015	5	15	0635		G7DF			MANPACK RADIO		QG62an	WIA	VK4TJ
14005		2015	05	21	<0330-0340>		J3E/U		CLN	UNID		SR	LAN	SI
										FISHING		MK82	AR	
										TRAWLERS IN				
										SINHALA				
										LANGUAGE				
										ONLY – 2 OM				
14008.0	1	2015	5	4	0505		F1B		250	DAILY,		QG62an	WIA	VK4TJ
										CONTINUOUS				
14008.7	3	2015	5	8	0755		J3E/U			ASIAN		QG62an	WIA	VK4TJ

14009.0	3	2015	5	9	0920	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14010.0	2	2015	5	6	0500	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14011.3	3	2015	5	1	2220	J3E/L			ASIAN	QG62an	WIA	VK4TJ
14015.0	2	2015	5	15	0045	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14017.2	3	2015	5	12	0735	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14020.0	2	2015	5	6	0535	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14020.3	3	2015	5	28	0800	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14025.0	2	2015	5	14	0805	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14026.0	1	2015	5	15	0830	F1B			SELCALL, FOLLOWED BY CHINESE USB	QG62an	WIA	VK4TJ
14026.0	3	2015	5	15	0830	J3E/U		CHN	CHINESE, FOLLOWED F1B, ABOVE	QG62an	WIA	VK4TJ
14028.0	3	2015	5	12	1840	J3E/U		CHN	CHINESE	QG62an	WIA	VK4TJ
14030.0	2	2015	5	14	0800	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14030.5		2015	05	05	<1145- 1155>	J3E/U		CLN UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14032		2015	05	04	<0150- 0210>	J3E/U		CLN UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14033.8	3	2015	5	27	0625	J3E/U			ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14035.0	10	2015	5	27	0705	P0N			OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14035.0	2	2015	5	14	0845	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14035	10	2015	05	26	<0805>	P0N	0805	? Unid	OTHR Closed	RF72LQ	NZART	ZL1BAD
14036		2015	05	05	<0220- 0230>	J3E/U		CLN UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI	
14036.2	3	2015	5	27	2305	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14040.0	2	2015	5	14	0755	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14042.7	3	2015	5	3	0910	J3E/U			DAILY, ASIAN	QG62an	WIA	VK4TJ
14043.0	3	2015	5	4	0815	J3E/U			ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14044.0	3	2015	5	27	2335	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14045.0	2	2015	5	15	0635	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14045.0	1	2015	5	14	0855	F1B			BURSTS	QG62an	WIA	VK4TJ
14046.0	3	2015	5	2	0905	J3E/U			DAILY, ASIAN, SOUNDS	QG62an	WIA	VK4TJ

14047.0	1	2015	5	22	0700	F1B			CHINESE			
14048.0	3	2015	5	5	0735	J3E/L			ALE	QG62an	WIA	VK4TJ
14048.0	3	2015	5	6	0020	J3E/U	PHL		ASIAN, FAMILY	QG62an	WIA	VK4TJ
14048.3	3	2015	5	26	0830	J3E/U	CHN		NET	QG62an	WIA	VK4TJ
14049.0	1	2015	5	29	0755	F1B			DAILY, TAGALOG	QG62an	WIA	VK4TJ
14049.2	3	2015	5	29	0835	J3E/L			CHINESE	QG62an	WIA	VK4TJ
14050.0	10	2015	5	9	0850	P0N			ALE	QG62an	WIA	VK4TJ
14050.0	3	2015	5	2	0535	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14050.0	2	2015	5	1	2220	G7DF			OTHR,	QG62an	WIA	VK4TJ
14050		2015	05	06	<0245-0255>	J3E/U	CLN	UNID	CONTINUOUS	QG62an	WIA	VK4TJ
									DAILY, ASIAN,	QG62an	WIA	VK4TJ
									PROBABLY			
									TAGALOG			
									MANPACK RADIO	QG62an	WIA	VK4TJ
									SRI LANKAN	MK82	ARSI	
									FISHING			
									TRAWLERS IN			
									SINHALA			
									LANGUAGE			
									ONLY – 2 OM			
14050.5	3	2015	5	18	0730	J3E/U			DAILY, ASIAN,	QG62an	WIA	VK4TJ
14051.0	1	2015	5	27	0725	F1B			FAMILY NET			
14051.7	3	2015	5	14	2120	J3E/U			ALE	QG62an	WIA	VK4TJ
14055.0	2	2015	5	6	0625	G7DF			ASIAN, SOUNDS	QG62an	WIA	VK4TJ
14058.8	3	2015	5	8	0800	J3E/U			HINDI			
14059.8	3	2015	5	28	0800	J3E/U			MANPACK RADIO	QG62an	WIA	VK4TJ
14060.0	2	2015	5	8	2320	G7DF			DAILY, ASIAN	QG62an	WIA	VK4TJ
14061.0	3	2015	5	1	2215	J3E/U			ASIAN, SOUNDS	QG62an	WIA	VK4TJ
14064.4	3	2015	5	16	0905	J3E/U			CHINESE			
14065.0	2	2015	5	8	2315	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14065.8	3	2015	5	22	2140	J3E/U			DAILY, ASIAN,	QG62an	WIA	VK4TJ
									SOUNDS			
									CHINESE			
14066.6	3	2015	5	29	2225	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14070.0	2	2015	5	14	2315	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14075.0	2	2015	5	14	2315	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14080.0	2	2015	5	14	0930	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14080	10	2015	05	10	<0745>	P0N	?	Unid	OTHR Every 1	RF72LQ	NZART	ZL1BAD
14081.4	2	2015	5	14	0920	J3E/L			min.			
14084.0	2	2015	5	22	0720	J3E/L			ASIAN	QG62an	WIA	VK4TJ
14084.9	3	2015	5	16	0910	J3E/U			ASIAN	QG62an	WIA	VK4TJ
14085.0	2	2015	5	14	0930	G7DF			ASIAN	QG62an	WIA	VK4TJ
14086.7	3	2015	5	3	0915	J3E/U			MANPACK RADIO	QG62an	WIA	VK4TJ
14090.0	2	2015	5	15	0035	G7DF			ASIAN	QG62an	WIA	VK4TJ
14095.0	2	2015	5	14	0940	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
									MANPACK RADIO	QG62an	WIA	VK4TJ

14100.0	2	2015	5	14	0945		G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14105.0	2	2015	5	14	0950		G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14108.0		2015	5	16	1015		A1A			MIXED	QG62an	WIA	VK4TJ
										LETTER/NUMBER CIPHER			
									?	Unid			
										OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
14110	10	2015	05	DY	HX	HX	P0N						
14111.1	3	2015	5	15	0830		J3E/U			ASIAN	QG62an	WIA	VK4TJ
14114.2	2	2015	5	3	0915		J3E/L			ASIAN, PROBABLY CHINESE	QG62an	WIA	VK4TJ
14115.0	2	2015	5	15	0715		G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14120.0	2	2015	5	15	0725		G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ
14120		2015	05	25	<2325>	2325	A3E		?	Unid			
14123.2		2015	5	3	0915		A1A			BC stn.	RF72LQ	NZART	ZL1BAD
14124.0	5	2015	5	18	0545		J1C			NUMBER CIPHER	QG62an	WIA	VK4TJ
14124.0	3	2015	5	15	1005		J3E/U		CHN	OR SIMILAR DATA MODE	QG62an	WIA	VK4TJ
14125.0	8	2015	5	18	0200-0700		A3E			CHINESE, READING LIST TWICE	QG62an	WIA	VK4TJ
14125.0	3	2015	5	21	0000-0027		G7D			Spurious from unid B/cast stn - off air 0700	QF22MC	WIA	VK3MV
14126.8	3	2015	5	15	0840		J3E/U			data bursts sweeping 1kHz, 5 sec burst with 1 sec break	QF22MC	WIA	VK3MV
14128.0	5	2015	5	15	0835		G7D			ASIAN, FAMILY NET	QG62an	WIA	VK4TJ
14136.0	5	2015	5	15	0750		G7D			DOZENS OF SUBCARRIERS ON 100HZ INTERVALS	QG62an	WIA	VK4TJ
14140.0	15	2015	5	26	0430		P0N				QG62an	WIA	VK4TJ
14141.0	1	2015	5	26	0715		F1B	HIGH 500		OTHR, LONG BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14141.3	3	2015	5	15	0850		J3E/U			CONTINUOUS	QG62an	WIA	VK4TJ
14143		2015	05	21	<0200>	0200	A3E		?	Unid			
14146.0	3	2015	5	28	0810		J3E/U			ASIAN	QG62an	WIA	VK4TJ
14148.0		2015	5	14	0915		A1A			B-C stn. No ID	RF72LQ	NZART	ZL1BAD
14148.0	3	2015	5	2	0910		J3E/U			ASIAN	QG62an	WIA	VK4TJ
14148.5	3	2015	5	8	0800		J3E/U			MIXED	QG62an	WIA	VK4TJ
14150.0	2	2015	5	26	0450		G7DF			NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14150.0	1	2015	5	15	0810		F1B			ASIAN FAMILY NET, PROBABLY CHINESE	QG62an	WIA	VK4TJ
14155		2015	05	28	<1155>	1155	A3E		?	Unid			
										MANPACK RADIO	QG62an	WIA	VK4TJ
										ALE	QG62an	WIA	VK4TJ
										B-C stn.	RF72LQ	NZART	ZL1BAD

14165.0	15	2015	5	31	0530		P0N					OTHR, LONG BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14172 14180.0	10 20	2015 2015	05 5	09 2	<0550> 0910	0550	P0N P0N		?	Unid		OTHR Every 1.5 mins	RF72LQ	NZART	ZL1BAD
14185.0	20	2015	5	27	2310		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14185.0	5	2015	5	26	0720		G7D					DOZENS OF CLOSE-SPACED SUBCARRIERS	QG62an	WIA	VK4TJ
14186.1	3	2015	5	26	0720		J3E/L					ASIAN FAMILY NET, SWAPS WITH G7D, ABOVE	QG62an	WIA	VK4TJ
14190.0	20	2015	5	22	0700		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14190.0	3	2015	5	2	0910		J3E/L					DAILY, ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14192.0	1	2015	5	2	2055		F1B	200 200				IDLING	QG62an	WIA	VK4TJ
14192 14201.8		2015 2015	05 5	15 5	<1000> 0750	1000- 2045	F1B J3E/U		RUS	Unid		RTTY Russian Navy QTH Kalingrad TAGALOG FAMILY NET	RF72LQ	NZART	ZL1BAD
	3								PHL			OTHER 10 pps S4	QG62an	WIA	VK4TJ
									?	Unid		54 second bursts in synchronisation with 14275.5 gaps of 30-40 seconds	RF73MF	NZART	ZL1GWE
14203 14205.0	18 2	2015 2015	05 5	31 1	<0716> 2225	0716	P0N G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
14214.0		2015	5	5	0750		A1A					DAILY, NUMBER CIPHER	QG62an	WIA	VK4TJ
14214 14215.0		2015 2015	05 5	06 16	<1000> 0920	1000	A1A A1A		?	Unid		CW Rough note. No call signs MIXED	RF72LQ	NZART	ZL1BAD
												NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14220		2015	05	20	<2054>	2054- 2057	A3E		?	Unid		B-C stn. Closed @ 2057. No ID	RF72LQ	NZART	ZL1BAD
14220		2015	05	23	<2055>	2055- 2057	A3E		?	Unid		B-C stn. Closed @ 2057. No ID	RF72LQ	NZART	ZL1BAD
14220		2015	05	21	<2105>	2105	F1B		?	Unid		RTTY Idling	RF72LQ	NZART	ZL1BAD
14220		2015	05	24	<2025>	2025	F1B		?	Unid		RTTY Idling	RF72LQ	NZART	ZL1BAD
14220		2015	05	27	<2050>	2050	F1B		?	Unid		RTTY Idling	RF72LQ	NZART	ZL1BAD
14220		2015	05	28	<2020>	2020	F1B		?	Unid		RTTY Idling	RF72LQ	NZART	ZL1BAD
14220		2015	05	29	<2100>	2100	F1B		?	Unid		RTTY Idling	RF72LQ	NZART	ZL1BAD
14220 14221.0	1	2015	05	28 1	<2010> 0145	2010	A3E F1B	200	?	Unid		B-C stn. English text.	RF72LQ	NZART	ZL1BAD
												DAILY	QG62an	WIA	VK4TJ

14222		2015	05	26	<0805>	0805	A3E		?	Unid	B-C stn	RF72LQ	NZART	ZL1BAD
14227	10	2015	05	09	<0535>	0535	P0N		?	Unid	OTHR Every 1.5 mins	RF72LQ	NZART	ZL1BAD
14228.0	5	2015	5	29	0745		G7D				16 SUBCARRIERS ON CLOSE-SPECED INTERVALS	QG62an	WIA	VK4TJ
14234.3	3	2015	5	10	0920		J3E/U				ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14253.0		2015	5	14	0920		A1A				MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14255	10	2015	05	09	<0535>	0535	P0N		?	Unid	OTHR Every 1.5 mins	RF72LQ	NZART	ZL1BAD
14264	10	2015	05	27	<0425>	0425	P0N		?	Unid	OTHR 3.8 every 20 secs 70 pps	RF72LQ	NZART	ZL1BAD
14269.5	13	2015	05	04	<0633>	0633	P0N				OTHR 50 pps suspect Russian 10 kHz bandwidth	RF73MF	NZART	ZL1GWE
14275.0	100	2015	5	31	0745		P0N				S5	QG62an	WIA	VK4TJ
14275.0	2	2015	5	26	0815		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
14275.5	25.5	2015	05	31	<0716>	0716-0751	P0N		?	Unid	OTHR 9 pps S4 54 second bursts in synchronisation with 14203 Gaps of 30-40 seconds	RF73MF	NZART	ZL1GWE
14290.0	5	2015	5	29	0745		G7D				16 SUBCARRIERS ON CLOSE-SPECED INTERVALS	QG62an	WIA	VK4TJ
14292		2015	05	28	<2010>	2010	A3E		?	Unid	B-C stn. Not the same as 14220. weak other stn.	RF72LQ	NZART	ZL1BAD
14292.8	3	2015	5	16	0920		J3E/U				Also ASIAN	QG62an	WIA	VK4TJ
14295.0	8	2015	5	12	1840		A3E	75	330	TJK CHN	3RD HARMONIC	QG62an	WIA	VK4TJ
14300		2015	05	10	<0548>	0548	G7D	75	330	CHN	Chinese BPSK PRC 75 Bd 16-18 tones S4 - ignored by USB amateur signals	RF73MF	NZART	ZL1GWE
14300		2015	05	24	<2056>	2056	G7D				Chinese BPSK PRC 75 Bd 16-18 tones S4 occasion BPSK bursts	RF73MF	NZART	ZL1GWE
14301.0	3	2015	5	19	0600-2200		G7D/A1A		344	CHN	16PSK WITH A1A SYN SIG - authorised service	QF22MC	WIA	VK3MV
14301		2015	05	29	<0715>	0715-	G7D	75		CHN	R3 BPSK 16 channels	RF72LQ	NZART	ZL1BAD

						2000				Pips & traffic					
14301.5		2015	5	1	0150	A1A			E	PACTOR SYNC	QG62an	WIA	VK4TJ		
14319.0	3	2015	5	5	0905	J3E/U				SIGNAL	QG62an	WIA	VK4TJ		
14326.0	5	2015	5	12	1840	G7D				ASIAN, SOUNDS	QG62an	WIA	VK4TJ		
14342.4	3	2015	5	16	0805	J3E/L				CHINESE	QG62an	WIA	VK4TJ		
14350.0	3	2015	5	5	0225	J3E/L				ASIAN	QG62an	WIA	VK4TJ		
18070.0	30	2015	5	15	0725	P0N				OTHR, BURSTS	QG62an	WIA	VK4TJ		
18070.0	2	2015	5	2	2100	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ		
18075.0	3	2015	5	15	0900	J3E/U				DAILY, ASIAN	QG62an	WIA	VK4TJ		
18080.0	2	2015	5	18	0745	G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ		
18088.0	3	2015	5	18	0635	J3E/L				ASIAN, SOUNDS	QG62an	WIA	VK4TJ		
18100.0	2	2015	5	18	0815	G7DF				CHINESE	QG62an	WIA	VK4TJ		
18120.0	3	2015	5	16	0815	J3E/L				MANPACK RADIO	QG62an	WIA	VK4TJ		
18132.0	5	2015	5	22	2325	G7D				ASIAN, SOUNDS	QG62an	WIA	VK4TJ		
18150.0	2	2015	5	16	0815	G7DF				8 SUBCARRIERS	QG62an	WIA	VK4TJ		
18155.0	2	2015	5	16	0820	G7DF				ON 100 HZ	QG62an	WIA	VK4TJ		
18160.0	20	2015	5	1	0145	P0N				INTERVALS. F1B	QG62an	WIA	VK4TJ		
18165.0	2	2015	5	14	0235	G7DF				FOLLOWED	QG62an	WIA	VK4TJ		
21000.0		2015	5	12	0100	N0N				MANPACK RADIO	QG62an	WIA	VK4TJ		
21000		2015	05	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6,	RF72LQ	NZART	ZL1BAD	
21001.5	1	2015	5	1	0135		F1B	150	RUS		& 8 PSK	QG62an	WIA	VK4TJ	
21015.0	2	2015	5	17	0305		G7DF				FOR	QG62an	WIA	VK4TJ	
21050.0	2	2015	5	18	0100		G7DF				ENCRYPTED	QG62an	WIA	VK4TJ	
21055.0	2	2015	5	17	2325		G7DF				AUDIO, BELOW	QG62an	WIA	VK4TJ	
21086.3	3	2015	5	6	0840		J3E/L	50	200	RUS	BAND	QG62an	WIA	VK4TJ	
21113		2015	05	24	<2108>	2108-	F1B				MANPACK RADIO	RF73Mf	NZART	ZL1GWE	
21150.0	10	2015	5	12	0110	2109	P0N				Normal S5				
21200	20	2015	05	DY	HX	HX	P0N			?	Unid	OTHR, BURSTS	QG62an	WIA	VK4TJ
21200	20	2015	05	08	<2140>	2140-	P0N			?	Unid	OTHR HFSWR 7	RF72LQ	NZART	ZL1BAD
21200	20	2015	05	19	<0810>	0810	P0N			?	Unid	pps	RF72LQ	NZART	ZL1BAD
21202	20	2015	05	DY	HX	HX	P0N			?	Unid	OTHR Closed @	RF72LQ	NZART	ZL1BAD
21206	20	2015	05	DY	HX	HX	P0N			?	Unid	2146	RF72LQ	NZART	ZL1BAD
21210		2015	05	24	<2058>	2058-	P0N			Unid	?	OTHR Continuous	RF72LQ	NZART	ZL1BAD
												pps	RF72LQ	NZART	ZL1BAD
												OTHR HFSWR 7	RF72LQ	NZART	ZL1BAD
												OTHR S2 centre	RF72LQ	NZART	ZL1BAD

							2100		? Unid	pip OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21222	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21225	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21227	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21230	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21232	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21233	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21235	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on 7 pps	RF72LQ	NZART	ZL1BAD
21240	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21248	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21250.0	40	2015	5	12	0120		VXX			CODAR-LIKE SWEEPS. PRECURSOR TO OTHR	QG62an	WIA	VK4TJ
									? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21250	20	2015	05	DY	HX	HX	P0N			C/W BEEP TONE 1/SEC. TRYING DIFFERENT PULSE RATES	QG62an	WIA	VK4TJ
21255.0	10	2015	5	19	0455		P0N			OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21255	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21260.0	10	2015	5	6	0835		P0N			OTHER, BURSTS	QG62an	WIA	VK4TJ
21260.0	40	2015	5	13	0045		VXX			CODAR-LIKE SWEEPS. PRECURSOR TO OTHR	QG62an	WIA	VK4TJ
									? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21260	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21265	20	2015	05	DY	HX	HX	P0N			MANPACK RADIO	QG62an	WIA	VK4TJ
21270.0	2	2015	5	12	0105		G7DF		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21270	20	2015	05	DY	HX	HX	P0N		? Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART	ZL1BAD
21272	20	2015	05	DY	HX	HX	P0N			OTHER, BURSTS	QG62an	WIA	VK4TJ
21295.0	10	2015	5	12	0105		P0N			OTHER,	QG62an	WIA	VK4TJ
21310.0	10	2015	5	12	0750		P0N			CONTINUOUS			

24900.0	6	2015	5	1	0120		A3E				ASIAN	QG62an	WIA	VK4TJ
									?	Unid	HF Man Pack 1 6	RF72LQ	NZART	ZL1BAD
24900		2015	05	DY	HX	HX	G7DE/F				& 8 PSK			
24905.0	6	2015	5	17	2350		A3E				ASIAN	QG62an	WIA	VK4TJ
24910.0	20	2015	5	28	0140		P0N				OTHR, BURSTS	QG62an	WIA	VK4TJ
24911.7	3	2015	5	1	0120		J3E/L				ASIAN	QG62an	WIA	VK4TJ
24915.0	2	2015	5	16	0845		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
24920.0	2	2015	5	16	0845		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
24925.0	6	2015	5	17	2335		A3E				ASIAN	QG62an	WIA	VK4TJ
24935.0	6	2015	5	17	2335		A3E				ASIAN	QG62an	WIA	VK4TJ
									?	Unid	OTHR every 1	RF72LQ	NZART	ZL1BAD
24940	10	2015	05	20	<0400>	0400	P0N				min.			
24955.0	6	2015	5	1	0125		A3E				ASIAN	QG62an	WIA	VK4TJ
24962.5	8	2015	5	1	0125		F3E				ASIAN	QG62an	WIA	VK4TJ
24965.0	6	2015	5	17	2340		A3E				ASIAN	QG62an	WIA	VK4TJ
24975.0	6	2015	5	17	2340		A3E				ASIAN	QG62an	WIA	VK4TJ
24985.0	6	2015	5	17	2345		A3E				ASIAN	QG62an	WIA	VK4TJ
									Unid	?	Non Amateurs	RE54HF	NZART	ZL4IV
											South American			
24985		2015	05	20	<0028>	0028	A3E				accents S5			
28000.0	6	2015	5	1	0200		A3E				ASIAN	QG62an	WIA	VK4TJ
									?	Unid	HF Man Pack 1,6	RF72LQ	NZART	ZL1BAD
28000		2015	05	DY	HX	HX	G7DE/F				& 8 PSK			
28005.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28012.5	8	2015	5	1	0205		F3E				ASIAN	QG62an	WIA	VK4TJ
28015.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28019.0	6	2015	5	26	2245		A3E				ASIAN	QG62an	WIA	VK4TJ
28020.0	2	2015	5	15	2250		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
28025.0	8	2015	5	1	0010		F3E				ASIAN	QG62an	WIA	VK4TJ
28035.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28037.5	8	2015	5	1	0205		F3E				ASIAN	QG62an	WIA	VK4TJ
28045.0	6	2015	5	1	0210		A3E				ASIAN	QG62an	WIA	VK4TJ
28050.0	8	2015	5	1	0210		F3E				ASIAN	QG62an	WIA	VK4TJ
28055.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28062.5	8	2015	5	19	0150		F3E				ASIAN	QG62an	WIA	VK4TJ
28065.0	2	2015	5	11	2325		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
28065.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28075.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28085.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28087.5	8	2015	5	2	0045		F3E				ASIAN	QG62an	WIA	VK4TJ
28091.0	6	2015	5	2	0045		A3E				ASIAN	QG62an	WIA	VK4TJ
28100.0	8	2015	5	1	0235		F3E				ASIAN	QG62an	WIA	VK4TJ
28105.0	6	2015	5	1	0010		A3E				ASIAN	QG62an	WIA	VK4TJ
28110.0	2	2015	5	1	0325		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ
28112.5	8	2015	5	12	0805		F3E				ASIAN	QG62an	WIA	VK4TJ
28115.0	2	2015	5	2	0050		G7DF				MANPACK RADIO	QG62an	WIA	VK4TJ

28115.0	6	2015	5	1	0010	A3E		ASIAN	QG62an	WIA	VK4TJ
28125.0	8	2015	5	1	0010	F3E		ASIAN	QG62an	WIA	VK4TJ
28135.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28137.5	8	2015	5	11	2335	F3E		ASIAN	QG62an	WIA	VK4TJ
28145.0	6	2015	5	1	0335	A3E		ASIAN	QG62an	WIA	VK4TJ
28150.0	2	2015	5	14	0000	G7DF		MANPACK RADIO	QG62an	WIA	VK4TJ
28150.0	1	2015	5	13	2355	F1B	300	BURSTS. WAVERIDER BUOY	QG62an	WIA	VK4TJ
28150.0	8	2015	5	1	0015	F3E		ASIAN	QG62an	WIA	VK4TJ
28155.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28162.5	8	2015	5	11	2335	F3E		ASIAN	QG62an	WIA	VK4TJ
28165.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28175.0	8	2015	5	1	0015	F3E		ASIAN	QG62an	WIA	VK4TJ
28185.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28187.5	8	2015	5	19	0225	F3E		ASIAN	QG62an	WIA	VK4TJ
28195.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28200.0	8	2015	5	2	0140	F3E		ASIAN	QG62an	WIA	VK4TJ
28205.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28212.5	8	2015	5	19	0225	F3E		ASIAN	QG62an	WIA	VK4TJ
28215.0	6	2015	5	1	0015	A3E		ASIAN	QG62an	WIA	VK4TJ
28225.0	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28235.0	2	2015	5	1	0520	G7DF		MANPACK RADIO	QG62an	WIA	VK4TJ
28235.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28237.5	8	2015	5	19	0225	F3E		ASIAN	QG62an	WIA	VK4TJ
28245.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28250.0	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28255.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28262.5	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28265.0	2	2015	5	1	0020	G7DF		MANPACK RADIO	QG62an	WIA	VK4TJ
28265.0	6	2015	5	1	0525	A3E		ASIAN	QG62an	WIA	VK4TJ
28275.0	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28285.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28287.5	8	2015	5	12	0825	F3E		ASIAN	QG62an	WIA	VK4TJ
28295.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28300.0	6	2015	5	1	0020	A3E		ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
28305.0	6	2015	5	1	0020	A3E		ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
28312.5	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28315.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28325.0	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28335.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ
28337.5	8	2015	5	1	0530	F3E		ASIAN	QG62an	WIA	VK4TJ
28350.0	8	2015	5	1	0020	F3E		ASIAN	QG62an	WIA	VK4TJ
28355.0	6	2015	5	1	0020	A3E		ASIAN	QG62an	WIA	VK4TJ

28365.0	6	2015	5	1	0020	A3E			ASIAN	QG62an	WIA	VK4TJ	
28375.0	8	2015	5	1	0025	F3E			ASIAN	QG62an	WIA	VK4TJ	
28385.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28387.5	8	2015	5	1	0025	F3E			ASIAN	QG62an	WIA	VK4TJ	
28400.0	8	2015	5	1	0025	F3E			ASIAN	QG62an	WIA	VK4TJ	
28405.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28412.5	8	2015	5	1	0025	F3E			ASIAN	QG62an	WIA	VK4TJ	
28415.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28425.0	8	2015	5	1	0025	F3E			ASIAN	QG62an	WIA	VK4TJ	
28435.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28437.5	8	2015	5	12	0845	F3E			ASIAN	QG62an	WIA	VK4TJ	
28450.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28455.0	6	2015	5	1	0025	A3E			ASIAN	QG62an	WIA	VK4TJ	
28462.5	6	2015	5	1	0540	A3E			ASIAN	QG62an	WIA	VK4TJ	
28465.0	6	2015	5	1	0030	A3E			ASIAN	QG62an	WIA	VK4TJ	
28475.0	8	2015	5	1	0030	F3E			ASIAN	QG62an	WIA	VK4TJ	
28485.0	6	2015	5	1	0030	A3E			ASIAN	QG62an	WIA	VK4TJ	
28487.5	8	2015	5	3	0700	F3E			ASIAN	QG62an	WIA	VK4TJ	
28500.0	6	2015	5	1	0030	A3E			ASIAN	QG62an	WIA	VK4TJ	
28505.0	6	2015	5	1	0030	A3E			ASIAN	QG62an	WIA	VK4TJ	
28512.5	8	2015	5	1	0550	F3E			ASIAN	QG62an	WIA	VK4TJ	
28515.0	6	2015	5	1	0030	A3E			ASIAN	QG62an	WIA	VK4TJ	
28525.0	8	2015	5	1	0035	F3E			ASIAN	QG62an	WIA	VK4TJ	
28530.0	6	2015	5	1	0035	A3E			ASIAN	QG62an	WIA	VK4TJ	
28535.0	6	2015	5	1	0035	A3E			ASIAN	QG62an	WIA	VK4TJ	
28550.0	8	2015	5	1	0400	F3E			ASIAN	QG62an	WIA	VK4TJ	
28555.0	6	2015	5	1	0035	A3E			ASIAN	QG62an	WIA	VK4TJ	
28560.0	2	2015	5	1	0605	G7DF			MANPACK RADIO	QG62an	WIA	VK4TJ	
28562.5	8	2015	5	1	0610	F3E			ASIAN	QG62an	WIA	VK4TJ	
28565.0	6	2015	5	1	0035	A3E			ASIAN	QG62an	WIA	VK4TJ	
28575.0	8	2015	5	1	0035	F3E			ASIAN	QG62an	WIA	VK4TJ	
28580.0	200	2015	5	1	0610	P0N		IRN	OTHR	QG62an	WIA	VK4TJ	
28585.0	6	2015	5	1	0040	A3E			ASIAN	QG62an	WIA	VK4TJ	
28587.5	8	2015	5	1	0610	F3E			ASIAN	QG62an	WIA	VK4TJ	
28590	50	2015	05	DY	HX	HX		IRN	OTHR	OTHR Iranian 2 tones Continuous	RF72LQ	NZART	ZL1BAD
28595.0	6	2015	5	1	0040	A3E			ASIAN	QG62an	WIA	VK4TJ	
28600.0	6	2015	5	1	0040	A3E			ASIAN	QG62an	WIA	VK4TJ	
28605.0	6	2015	5	1	0040	A3E			ASIAN	QG62an	WIA	VK4TJ	
28612.5	8	2015	5	19	0310	F3E			ASIAN	QG62an	WIA	VK4TJ	
28615.0	6	2015	5	1	0040	A3E			ASIAN	QG62an	WIA	VK4TJ	
28625.0	8	2015	5	1	0040	F3E			ASIAN	QG62an	WIA	VK4TJ	
28635.0	6	2015	5	1	0045	A3E			ASIAN	QG62an	WIA	VK4TJ	
28637.5	8	2015	5	1	0610	F3E			ASIAN	QG62an	WIA	VK4TJ	
28645.0	6	2015	5	3	0650	A3E			ASIAN	QG62an	WIA	VK4TJ	

28650.0	6	2015	5	1	0610	A3E	ASIAN	QG62an	WIA	VK4TJ
28655.0	6	2015	5	1	0045	A3E	ASIAN	QG62an	WIA	VK4TJ
28662.5	8	2015	5	19	0310	F3E	ASIAN	QG62an	WIA	VK4TJ
28665.0	6	2015	5	1	0045	A3E	ASIAN	QG62an	WIA	VK4TJ
28675.0	8	2015	5	1	0045	F3E	ASIAN	QG62an	WIA	VK4TJ
28685.0	6	2015	5	1	0045	A3E	ASIAN	QG62an	WIA	VK4TJ
28695.0	6	2015	5	1	0045	A3E	ASIAN	QG62an	WIA	VK4TJ
28700.0	6	2015	5	1	0050	A3E	ASIAN	QG62an	WIA	VK4TJ
28705.0	8	2015	5	1	0050	F3E	ASIAN	QG62an	WIA	VK4TJ
28712.5	8	2015	5	1	0620	F3E	ASIAN	QG62an	WIA	VK4TJ
28715.0	6	2015	5	1	0050	A3E	ASIAN	QG62an	WIA	VK4TJ
28725.0	8	2015	5	1	0050	F3E	ASIAN	QG62an	WIA	VK4TJ
28735.0	6	2015	5	1	0050	A3E	ASIAN	QG62an	WIA	VK4TJ
28737.5	8	2015	5	1	0625	F3E	ASIAN	QG62an	WIA	VK4TJ
28745.0	6	2015	5	1	0050	A3E	ASIAN	QG62an	WIA	VK4TJ
28750.0	6	2015	5	1	0630	A3E	ASIAN	QG62an	WIA	VK4TJ
28755.0	6	2015	5	1	0050	A3E	ASIAN	QG62an	WIA	VK4TJ
28762.5	8	2015	5	1	0630	F3E	ASIAN	QG62an	WIA	VK4TJ
28765.0	6	2015	5	1	0630	A3E	ASIAN	QG62an	WIA	VK4TJ
28775.0	8	2015	5	1	0630	F3E	ASIAN	QG62an	WIA	VK4TJ
28785.0	6	2015	5	1	0635	A3E	ASIAN	QG62an	WIA	VK4TJ
28787.5	8	2015	5	3	0640	F3E	ASIAN	QG62an	WIA	VK4TJ
28800.0	8	2015	5	1	0640	F3E	ASIAN	QG62an	WIA	VK4TJ
28815.0	6	2015	5	1	0100	A3E	ASIAN	QG62an	WIA	VK4TJ
28825.0	8	2015	5	1	0650	F3E	ASIAN	QG62an	WIA	VK4TJ
28835.0	6	2015	5	1	0105	A3E	ASIAN	QG62an	WIA	VK4TJ
28837.5	8	2015	5	1	0625	F3E	ASIAN	QG62an	WIA	VK4TJ
28850.0	8	2015	5	1	0650	F3E	ASIAN	QG62an	WIA	VK4TJ
28855.0	6	2015	5	1	0655	A3E	ASIAN	QG62an	WIA	VK4TJ
28862.5	8	2015	5	3	0625	F3E	ASIAN	QG62an	WIA	VK4TJ
28875.0	8	2015	5	1	0705	F3E	ASIAN	QG62an	WIA	VK4TJ
28887.5	8	2015	5	1	0710	F3E	ASIAN	QG62an	WIA	VK4TJ
28900.0	8	2015	5	1	0725	F3E	ASIAN	QG62an	WIA	VK4TJ
28905.0	6	2015	5	1	0725	A3E	ASIAN	QG62an	WIA	VK4TJ
28912.5	6	2015	5	1	0730	A3E	ASIAN	QG62an	WIA	VK4TJ
28925.0	8	2015	5	1	0735	F3E	ASIAN	QG62an	WIA	VK4TJ
28935.0	6	2015	5	1	0740	A3E	ASIAN	QG62an	WIA	VK4TJ
28937.5	8	2015	5	1	0740	F3E	ASIAN	QG62an	WIA	VK4TJ
28950.0	8	2015	5	1	0740	F3E	ASIAN	QG62an	WIA	VK4TJ
28955.0	6	2015	5	1	0745	A3E	ASIAN	QG62an	WIA	VK4TJ
28962.5	8	2015	5	1	0745	F3E	ASIAN	QG62an	WIA	VK4TJ
28965.0	6	2015	5	3	0600	A3E	ASIAN	QG62an	WIA	VK4TJ
28975.0	8	2015	5	1	0755	F3E	ASIAN	QG62an	WIA	VK4TJ
28987.5	8	2015	5	1	0755	F3E	ASIAN	QG62an	WIA	VK4TJ
29000.0	8	2015	5	1	0800	F3E	ASIAN	QG62an	WIA	VK4TJ

29005.0	6	2015	5	3	0610	A3E	ASIAN	QG62an	WIA	VK4TJ
29012.5	8	2015	5	1	0805	F3E	ASIAN	QG62an	WIA	VK4TJ
29015.0	6	2015	5	1	0810	A3E	ASIAN	QG62an	WIA	VK4TJ
29025.0	8	2015	5	1	0810	F3E	ASIAN	QG62an	WIA	VK4TJ
29035.0	6	2015	5	1	0810	A3E	ASIAN	QG62an	WIA	VK4TJ
29037.5	8	2015	5	1	0810	F3E	ASIAN	QG62an	WIA	VK4TJ
29050.0	8	2015	5	1	0815	F3E	ASIAN	QG62an	WIA	VK4TJ
29055.0	6	2015	5	3	0245	A3E	ASIAN	QG62an	WIA	VK4TJ
29062.5	8	2015	5	1	0110	F3E	ASIAN	QG62an	WIA	VK4TJ
29075.0	8	2015	5	1	0825	F3E	ASIAN	QG62an	WIA	VK4TJ
29087.5	8	2015	5	1	0825	F3E	ASIAN	QG62an	WIA	VK4TJ
29100.0	8	2015	5	1	0835	F3E	ASIAN	QG62an	WIA	VK4TJ
29105.0	6	2015	5	1	0840	A3E	ASIAN	QG62an	WIA	VK4TJ
29112.5	8	2015	5	1	0840	F3E	ASIAN	QG62an	WIA	VK4TJ
29115.0	6	2015	5	1	0840	A3E	ASIAN	QG62an	WIA	VK4TJ
29125.0	8	2015	5	1	0840	F3E	ASIAN	QG62an	WIA	VK4TJ
29135.0	6	2015	5	1	0845	A3E	ASIAN	QG62an	WIA	VK4TJ
29137.5	8	2015	5	1	0845	F3E	ASIAN	QG62an	WIA	VK4TJ
29150.0	8	2015	5	1	0845	F3E	ASIAN	QG62an	WIA	VK4TJ
29165.0	6	2015	5	1	0845	A3E	ASIAN	QG62an	WIA	VK4TJ
29175.0	8	2015	5	1	0850	F3E	ASIAN	QG62an	WIA	VK4TJ
29185.0	6	2015	5	1	0855	A3E	ASIAN	QG62an	WIA	VK4TJ
29187.5	8	2015	5	1	0855	F3E	ASIAN	QG62an	WIA	VK4TJ
29200.0	6	2015	5	1	0855	A3E	ASIAN	QG62an	WIA	VK4TJ
29212.5	8	2015	5	1	0905	F3E	ASIAN	QG62an	WIA	VK4TJ
29215.0	6	2015	5	1	0910	A3E	ASIAN	QG62an	WIA	VK4TJ
29225.0	8	2015	5	1	0910	F3E	ASIAN	QG62an	WIA	VK4TJ
29237.5	6	2015	5	3	0220	A3E	ASIAN	QG62an	WIA	VK4TJ
29250.0	6	2015	5	2	0915	A3E	ASIAN	QG62an	WIA	VK4TJ
29275.0	8	2015	5	3	0215	F3E	ASIAN	QG62an	WIA	VK4TJ
29300.0	6	2015	5	3	0205	A3E	ASIAN	QG62an	WIA	VK4TJ
29325.0	8	2015	5	3	0145	F3E	ASIAN	QG62an	WIA	VK4TJ
29362.5	8	2015	5	2	0850	F3E	ASIAN	QG62an	WIA	VK4TJ
29375.0	8	2015	5	1	0115	F3E	ASIAN	QG62an	WIA	VK4TJ
29387.5	8	2015	5	2	0850	F3E	ASIAN	QG62an	WIA	VK4TJ
29400.0	6	2015	5	2	0850	A3E	ASIAN	QG62an	WIA	VK4TJ
29405.0	6	2015	5	4	0805	A3E	ASIAN	QG62an	WIA	VK4TJ
29412.5	8	2015	5	2	0850	F3E	ASIAN	QG62an	WIA	VK4TJ
29425.0	8	2015	5	3	0135	F3E	ASIAN	QG62an	WIA	VK4TJ
29437.5	8	2015	5	3	0135	F3E	ASIAN	QG62an	WIA	VK4TJ
29450.0	8	2015	5	3	0135	F3E	ASIAN	QG62an	WIA	VK4TJ
29462.5	8	2015	5	3	0130	F3E	ASIAN	QG62an	WIA	VK4TJ
29475.0	8	2015	5	2	0845	F3E	ASIAN	QG62an	WIA	VK4TJ
29487.5	8	2015	5	2	0845	F3E	ASIAN	QG62an	WIA	VK4TJ
29500.0	8	2015	5	2	0845	F3E	ASIAN	QG62an	WIA	VK4TJ

29512.5	8	2015	5	3	0120	F3E	ASIAN	QG62an	WIA	VK4TJ
29515.0	6	2015	5	1	0115	A3E	ASIAN	QG62an	WIA	VK4TJ
29525.0	8	2015	5	2	0830	F3E	ASIAN	QG62an	WIA	VK4TJ
29537.5	6	2015	5	3	0120	A3E	ASIAN	QG62an	WIA	VK4TJ
29550.0	6	2015	5	2	0825	A3E	ASIAN	QG62an	WIA	VK4TJ
29562.5	8	2015	5	2	0825	F3E	ASIAN	QG62an	WIA	VK4TJ
29575.0	8	2015	5	3	0115	F3E	ASIAN	QG62an	WIA	VK4TJ
29587.5	8	2015	5	4	0220	F3E	ASIAN	QG62an	WIA	VK4TJ
29600.0	6	2015	5	2	0810	A3E	ASIAN	QG62an	WIA	VK4TJ
29612.5	8	2015	5	2	0810	F3E	ASIAN	QG62an	WIA	VK4TJ
29625.0	8	2015	5	3	0105	F3E	ASIAN	QG62an	WIA	VK4TJ
29637.5	8	2015	5	3	0105	F3E	ASIAN	QG62an	WIA	VK4TJ
29650.0	8	2015	5	2	0750	F3E	ASIAN	QG62an	WIA	VK4TJ
29655.0	6	2015	5	2	0745	A3E	ASIAN	QG62an	WIA	VK4TJ
29662.5	8	2015	5	2	0745	F3E	ASIAN	QG62an	WIA	VK4TJ
29675.0	8	2015	5	2	0740	F3E	ASIAN	QG62an	WIA	VK4TJ
29687.5	8	2015	5	2	0845	F3E	ASIAN	QG62an	WIA	VK4TJ
29700.0	8	2015	5	2	0735	F3E	ASIAN	QG62an	WIA	VK4TJ