



INTERNATIONAL AMATEUR RADIO
UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



October 2016

Titon Dutono, YB3PET

Reports for October 2016 were received from the ARSI, JARL, NZART and WIA

For period of September and October there were 11 observations from ARSI, and then for this month period there were 201 observations from JARL, an then there were 14 observations from NZART, and also there were 491 observations from WIA. By this month sampling, there were total 717 observations of intruders made across the Region.

The most prominent intruders are as in the following table,

No.	Band	Class Emission	Administration	Description
1.	40m	AIA	RUS	Beacon
		A3E	CHN	Chainesse talk and music
		J3E	INS	Indonesian language
2.	20m	PXX	UNID	OTHR
		PON	UNID	OTHR long bursts
3.	15m	VXX	UNID	CODAR-LIKE SWEEPS
		PON	UNID	OTHR bursts, no beep tone
4.	10m	A3E	UNID	Asian country
		F3E	UNID	Asian country

Further, 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 the monitoring coordinator, if you don't have a national monitoring coordinator.

For those who would like a CSV file of data please email me at: titondutono@gmail.com

Just a reminder that reports should be sent to the Monitoring Coordinator by the 14th day of each month.

Thanks for your support.

Titon YB3PET

Attachment of Data Report

ARSI: 11 observations

KHz	BW KHz.	YYYY	MM	DD	UTC	EMM	ADM	ID	DESCRIPTION.	GRID	SOCIETY	EQUIPMENT	ANTENNA
7017	2	2016	09	12	<0200-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
10101		2016	09	13	<0215-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7162		2016	09	15	<0215-0230>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7011		2016	09	19	<0330-0340>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7003		2016	09	21	<0315-0340>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
14004		2016	09	22	<0205-0220>	J3E/U	UNID	UNID	SOUTH EAST ASIAN -2 OM CONVERSING WITHOUT CALL SIGNS	MK82	ARSI	FT757GX	INV.VEE; VERT;
21031.6		2016	10	04	<1040-1050>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
14031		2016	10	05	<1240-1250>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
14003		2016	10	09	<1200-1210>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
14014		2016	10	10	<0230-0240>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
10105.5		2016	10	14	<0130-0145>	J3E/L	CHN	UNID	TWO OM SPEAKING CHINESE DIALECT	MK82	ARSI	FT757GX	INV.VEE; VERT;

JARL: 201 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
14202.0	0.5	2016	10	09	08:00	J3E/U						train of "I"	PM84XT	JARL
14202.0	0.5	2016	10	15	04:00	J3E/U						train of "I"	PM84XT	JARL
3525.0	3.0	2016	10	18	12:20-12:34	A1A						train of "vvv 8xz8xz8xz de hpt hpt qru"	PM84XT	JARL
3530.0	0.5	2016	09	20	12:20-12:22	A1A						Signal of rhythm	PM84XT	JARL
3532.0	0.5	2016	09	26	12:50	A1A						Signal of rhythm	PM84XT	JARL
3533.0	0.5	2016	10	04	12:16	A1A						Signal of rhythm	PM84XT	JARL
3533.0	0.5	2016	10	07	12:17	A1A						Signal of rhythm	PM84XT	JARL
3540.0	3.0	2016	10	04	12:20	J3E/L						train of Language:Chinese	PM84XT	JARL
3540.0	3.0	2016	10	07	12:16	J3E/L						train of Language:Chinese	PM84XT	JARL

3540.0	3.0	2016	10	11	13:00	J3E/U						train of Language:Chinese	PM84XT	JARL
3550.0	3.0	2016	10	16	14:00	J3E/L						Program:Music,Language:Japanese	PM84XT	JARL
7020.0	3.0	2016	10	07	12:22	J3E/L						Language:Tagalog,With no Call	PM84XT	JARL
7020.0	3.0	2016	10	16	12:40	J3E/L						Language:Tagalog,With no Call	PM84XT	JARL
7039	0.5	2016	10	02	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	03	1740	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	04	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	04	1306	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	05	1008	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	05	1106	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	05	1206	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	05	1306	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	06	1802	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	06	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	06	1306	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	06	1812	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	07	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	09	1310	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	09	1804	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	10	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	10	1312	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	1	2016	10	12	1208	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7039	0.5	2016	10	12	1310	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	12	1750	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	13	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL

7039	0.5	2016	10	13	1308	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0,5	2016	10	16	1008	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0,5	2016	10	16	1106	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	16	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	16	1312	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	17	1210	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	20	1412	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	22	1412	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2016	10	25	1312	A1A			15	RUS	M-- signal	Beacon	PM 97	JARL
7040	1	2016	10	04	1214	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040.0	0.5	2016	10	20	12:20	A1A						train of "K","M"	PM84XT	JARL
7066.0	8.0	2016	10	16	12:30	Jamming						Signal RS:59	PM84XT	JARL
7080.0	0.5	2016	10	20	12:13	A1A						train of "K"	PM84XT	JARL
7149.0	8.0	2016	10	04	12:12	Jamming						Signal RS:58	PM84XT	JARL
7150.0	10	2016	09	29	12:37	PXX						Signal RS:59+20db		
7200	5	2016	10	01	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2016	10	01	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 2 sec late	PM 97	JARL
7200	4	2016	10	01	1300	A3E			non	non	non	unkwon talk and music Time signal 5+1	PM 97	JARL
7200	5	2016	10	02	1000	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2016	10	02	1000	A3E			non	CHN	non	Chainese talk and music Time signal 1+1 2 sec late	PM 97	JARL
7200	5	2016	10	02	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2016	10	02	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 2 sec late	PM 97	JARL
7200	5	2016	10	02	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	4	2016	10	02	1200	A3E			non	CHN	non	Chainese talk and music no time signsl	PM 97	JARL
7200	5	2016	10	03	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+0 after QRT	PM 97	JARL
7200	4	2016	10	03	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 2 sec late after QRT	PM 97	JARL
7200	5	2016	10	03	1300	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2016	10	03	1300	A3E			non	CHN	non	Chainese talk and music no time signal	PM 97	JARL
7200	5	2016	10	04	1200	A3E			non	CHN	non	Chainese talk and music Time siganl 5+1 after QRT	PM 97	JARL

7200	4	2016	10	04	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2016	10	04	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	04	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	05	1000	A3E			non	CHN	M-- signal	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	05	1000	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	05	1000	A3E			non	CHN	non	Chainese talk and music 16 sec late ?	Time signal 5+1	PM 97	JARL
7200	5	2016	10	05	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	05	1100	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	05	1100	A3E			non	CHN	non	Chainese talk and music 16sec late ?	Time signal 5+1	PM 97	JARL
7200	5	2016	10	05	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	05	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	05	1200	A3E			non	CHN	non	Chainese talk and music 16 sec late ?	Time signal 5+1	PM 97	JARL
7200	4	2016	10	05	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	05	1300	A3E			non	RUS	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	06	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	06	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	06	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	3	2016	10	06	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	07	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	07	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	07	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	07	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	08	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL

7200	4	2016	10	08	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	08	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	08	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	09	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	09	1100	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	09	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	09	1200	A3E			non	CHN	non	Chainese talka nd music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	09	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	09	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time shigal	PM 97	JARL
7200	5	2016	10	10	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	10	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	10	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	10	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 2+0	PM 97	JARL
7200	5	2016	10	11	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	11	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	11	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	11	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	12	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	12	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	12	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	12	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	13	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	13	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	13	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL

7200	4	2016	10	13	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	14	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	14	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	14	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	14	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	15	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	15	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	15	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	15	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	16	1000	A3E			non	CHN	non	Chainese talk and music ?	Time signal 3+1	PM 97	JARL
7200	4	2016	10	16	1000	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	16	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	16	1100	A3E			non	CHN	M--signal	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	16	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	16	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	5	2016	10	16	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	16	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time siganal	PM 97	JARL
7200	5	2016	10	17	1200	A3E			non	CHN	non	Chainese talka nd music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	17	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2016	10	17	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	17	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	3	2016	10	17	1306	A3E			non	non	non	unkwon talk and music		PM 97	JARL
7200	5	2016	10	18	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	18	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL

7200	4	2016	10	18	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	18	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	3	2016	10	18	1400	A3E			non	non	non	unkown talk and music	no time signal	PM 97	JARL
7200	3	2016	10	18	1500	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	19	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	19	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	19	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	19	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	3	2016	10	19	1400	A3E			non	non	non	unkown talk and music	no time signal	PM 97	JARL
7200	5	2016	10	20	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	20	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	3	2016	10	20	1300	A3E			non	non	non	unkown talk and music	no time signal	PM 97	JARL
7200	3	2016	10	20	1400	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	21	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	21	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	4	2016	10	21	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	21	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	22	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	22	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	4	2016	10	22	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	22	1300	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	3	2016	10	22	1400	A3E			non	non	non	unkown talk and music		PM 97	JARL
7200	3	2016	10	22	1500	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	23	1000	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	23	1000	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	5	2016	10	23	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2016	10	23	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2016	10	23	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL

7200	4	2016	10	23	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	3	2016	10	23	1200	A3E			non	non	non	unkown talk and music		PM 97	JARL
7200	3	2016	10	23	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	24	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	24	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2016	10	24	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	24	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	25	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	25	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	25	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	25	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	26	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	26	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	26	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	26	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	27	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	27	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	27	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	27	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	28	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time siganl 5+1	PM 97	JARL
7200	4	2016	10	28	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	4	2016	10	28	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	28	1300	A3E			non	non	non	unkown talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	29	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL

	3	2016	10	29	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	3	2016	10	29	1200	A3E			non	CHN	non	Chainese talk and music 2 sec late	Time signal 5+1	PM 97	JARL
7200	4	2016	10	29	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2016	10	29	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	3	2016	10	29	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2016	10	30	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	30	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	4	2016	10	30	1300	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	3	2016	10	30	1300	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	5	2016	10	31	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2016	10	31	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+0	PM 97	JARL
7200	4	2016	10	31	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	10	31	1200	A3E			non	non	non	unkown talk and music		PM 97	JARL
7200	4	2016	10	31	1300	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	3	2016	10	31	1300	A3E			non	non	non	unkown talk and music		PM 97	JARL

NZART: 14 observations

kHz	BW	YYYY	Mon	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
3645		2016	10	26	<1700>	1700	PXX				?	Unid	OTHR S9 41 pps Continous	RF73JD	ZL1DRB
3680		2016	10	26	<1700>	1700	PXX				?	Unid	OTHR S9 90 pps continuous Overlapping between 3645 and 3710 OTHRs	RF73JD	ZL1DRB
3710		2016	10	26	<1700>	1700	PXX				?	Unid	OTHR S9 40 pps Continuous	RF73JD	ZL1DRB
5350		2016	10	26	<0955>	0955	PXX				?	Unid	OTHR 60 Metres S9 45 pps continuous	RF73JD	ZL1DRB
7102.5	41	2016	10	19	<0430>	0430	PXX				?	Unid	OTHR S9 + 60 dbm sounded like woodpecker OTHR - Russian	RE5500	ZL3PN
14141.5	9	206	10	10	<0628>	0628	PXX				?	Unid	OTHR S2 11 pps 24 second bursts tracking across the band	RF73Mf	ZL1GWE
14177.5		2016	10	10	<0559>	0550	PXX				?	Unid	OTHR 12 pps S1 continous sheets in the background	RF73MF	ZL1GWE
14178		2016	10	10	<0542>	0542	F1B	50	200		RUS	Unid	RTTY Russian CIS 50-50 50 Baud F1B S1 Encrypted	RF73MF	ZL1GWE
14178		2016	10	24	<0654>	0654	F1B	50	200		RUS	Unid	RTTY Russian CIS 50-50 50 Baud F1B S6 encrypted 200 Hz shift	RF73MF	ZL1GWE

14180		2016	10	16	<0501>	0501-0507	F1B	50	200		RUS	Unid	RTTY Russian CIS 50-50 50 Baud F1B S7 encrypted and idle	RF73MF	ZL1GWE
14180		2016	10	26	<0658>	0658	F1B	50	200		RUS	Unid	RTTY Russian CIS 50-50 50 Baud F1B S5 encrypted and idle	RF73MF	ZL1GWE
14218		2016	10	16	<0449>	0449-0501	F1B	50	200		RUS	Unid	RTTY Russian CIS 50-50 50 Baud F1B S4 Encrypted and idle switching	RF73MF	ZL1GWE
14259.5	215	2016	10	04	<0643>	0643	PXX				?	Unid	OTHR wide band 50 pps S7 with QSB S8 not a clean signal fluffy edge Russian?	RF73MF	ZL1GWE
14274.5	49	2016	10	09	<0549>	0549	PXX				?	Unid	OTHR S1 QSB 12 pps very light but definitely there - heavy 20 metre traffic	RF73MF	ZL1GWE

WIA: 491 observation

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3424,0	1	2016	10	30	1920		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3500,6		2016	10	3	1925		N0N							QG62an	WIA	VK4TJ
3501,0	1	2016	10	9	1940		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3507,0	3	2016	10	24	1925		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3508,0	5	2016	10	24	1925		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3510,0	1	2016	10	27	1935		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3510,0	3	2016	10	12	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3520,0	3	2016	10	28	1855		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3522,0	3	2016	10	5	0915		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3523,9	3	2016	10	6	1925		J3E/U						CHINESE, ALTERNATES WITH G7D ON 3525	QG62an	WIA	VK4TJ
3524,0	1	2016	10	9	1940		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3525,0		2016	10	2	2035		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3525,0	5	2016	10	6	1925		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3525,0		2016	10	18	1815		A1A					KPC1	MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3530,0	50	2016	10	25	1910		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3530,0	1	2016	10	13	1925		F1B	HIGH					CONTINUOUS	QG62an	WIA	VK4TJ
3532,0	3	2016	10	12	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3535,5		2016	10	3	1925		A1A						NUMBER CIPHER	QG62an	WIA	VK4TJ

3537,5	3	2016	10	3	0955		J3E/U						ROBOT CHINESE VOICE READING LIST	QG62an	WIA	VK4TJ
3538,0	1	2016	10	22	1930		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3542,0	5	2016	10	27	1945		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3544,0	1	2016	10	19	1935		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3546,0	3	2016	10	30	1925		J3E/U						CHINESE. NO CALLS, EVER	QG62an	WIA	VK4TJ
3547,5		2016	10	13	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3548,0	1	2016	10	24	1935		F1A						NUMBER CIPHER	QG62an	WIA	VK4TJ
3548,0		2016	10	13	1925		N0N							QG62an	WIA	VK4TJ
3550,0	50	2016	10	4	1010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3550,0	5	2016	10	13	1925		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3553,0	3	2016	10	6	1930		J3E/L						ASIAN MUSIC	QG62an	WIA	VK4TJ
3554,0	5	2016	10	9	1940		G1D						BROAD PSK + TONE	QG62an	WIA	VK4TJ
3568,0	1	2016	10	6	1935		F1B		200				CONTINUOUS	QG62an	WIA	VK4TJ
3568,0		2016	10	13	1930		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3574,0	3	2016	10	5	1935		J1C						FAX	QG62an	WIA	VK4TJ
3577,0	3	2016	10	25	1905		J3E/L						CHINESE, READING LIST TWICE	QG62an	WIA	VK4TJ
3578,5		2016	10	3	0950		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3585,0	3	2016	10	1	0930		J1C				KOR	HLL2	FAX	QG62an	WIA	VK4TJ
3586,0	1	2016	10	9	1940		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3590,0	3	2016	10	25	1900		G1D					A	PLUS "A" IN CW	QG62an	WIA	VK4TJ
3592,0		2016	10	9	1945		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3595,0	5	2016	10	22	1935		G7D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
3597,0	1	2016	10	24	0930		F1B						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
3599,0	1	2016	10	3	1925		G7D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
3600,0	50	2016	10	11	1010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3601,0	1	2016	10	19	1935		F1B						IDLING	QG62an	WIA	VK4TJ
3605,0		2016	10	24	1935		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3605,0		2016	10	6	1935		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3605,0	3	2016	10	18	1810		J3E/U						CHINESE. NO CALLS, EVER	QG62an	WIA	VK4TJ
3607,0	3	2016	10	13	1935		J1C						DAILY, FAX	QG62an	WIA	VK4TJ
3608,0	5	2016	10	6	1935		G1D						BROAD PSK	QG62an	WIA	VK4TJ

3611,0	5	2016	10	19	1935		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3613,0		2016	10	22	1935		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3615,0		2016	10	28	1855		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3617,0	3	2016	10	13	1935		G1D						BROAD PSK, BURSTS	QG62an	WIA	VK4TJ
3620,0	1	2016	10	13	1935		F1B	HIGH					CONTINUOUS	QG62an	WIA	VK4TJ
3621,0	1	2016	10	30	2005		F1B	HIGH					BURSTS	QG62an	WIA	VK4TJ
3622,5	3	2016	10	1	0930		J1C				JPN	JMH	DAILY, FAX	QG62an	WIA	VK4TJ
3632,5		2016	10	30	1950		A1A					E	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3633,0	5	2016	10	28	1855		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3635,0	5	2016	10	3	1925		G1D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
3638,0	3	2016	10	4	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3642,0		2016	10	6	1935		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3646,0	5	2016	10	30	1925		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3648,0	3	2016	10	18	1810		J3E/U						CHINESE. NO CALLS, EVER	QG62an	WIA	VK4TJ
3650,0	1	2016	10	3	0945		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3650,0	60	2016	10	6	1935		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3655,8	3	2016	10	18	1810		J3E/U						ASIAN. NO CALLS, EVER	QG62an	WIA	VK4TJ
3657,3		2016	10	12	0935		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3658,0	1	2016	10	25	1905		A2A				RUS	V	BEACON, MODULATION IS HUM	QG62an	WIA	VK4TJ
3675,0	1	2016	10	13	1935		F1B	HIGH					CONTINUOUS	QG62an	WIA	VK4TJ
3681,0	5	2016	10	12	0935		G1D						BURSTS	QG62an	WIA	VK4TJ
3682,0	3	2016	10	3	1925		J3E/U						CHINESE	QG62an	WIA	VK4TJ
3684,0	3	2016	10	24	1955		G1D						PSK WITH TONE	QG62an	WIA	VK4TJ
3688,0	5	2016	10	6	1940		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3690,0	50	2016	10	25	1910		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3697,0	3	2016	10	3	0945		J1C						DAILY	QG62an	WIA	VK4TJ
3700,0	60	2016	10	11	1010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3775,0	50	2016	10	25	1915		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3777,0		2016	10	3	1930		A1A					RIS9	MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3780,0	5	2016	10	13	1935		G1D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
3785,0	3	2016	10	13	1935		G1D						WITH TONE	QG62an	WIA	VK4TJ

3796,0	5	2016	10	28	1900		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3797,0		2016	10	13	1940		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3800,0	5	2016	10	6	1940		G1D						BROAD PSK WITH TONE	QG62an	WIA	VK4TJ
6980,0	100	2016	10	2	2040		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7000,0		2016	10	24	1940		A1A				RUS	K	BEACON	QG62an	WIA	VK4TJ
7000,0	3	2016	10	1	0820		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7000,0	3	2016	10	7	0935		J3E/U				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7002,0	3	2016	10	25	1915		G1D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
7005,0	3	2016	10	1	0825		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2016	10	2	0905		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7009,0	1	2016	10	4	2045		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7010,0	3	2016	10	1	0835		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2016	10	1	0840		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7011,0	1	2016	10	20	1955		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7015,0	3	2016	10	1	0825		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2016	10	3	0630		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	2	2016	10	20	1940		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7017,0	5	2016	10	1	0825		G7D						BURSTS, STARTS WITH TONE	QG62an	WIA	VK4TJ
7020,0	3	2016	10	1	0820		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7020,0	3	2016	10	1	0910		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7021,0	5	2016	10	29	1920		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7022,0	1	2016	10	25	1925		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7025,0	3	2016	10	1	0820		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	3	2016	10	1	0915		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7029,0	5	2016	10	19	1940		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7030,0	10	2016	10	24	1940		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7030,0	3	2016	10	1	0915		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7033,0	5	2016	10	29	1920		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7035,0	3	2016	10	1	0925		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7035,0	3	2016	10	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7039,4		2016	10	1	0820		A1A				RUS	M	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,5		2016	10	11	0815		A1A				RUS	K	DAILY, BEACON	QG62an	WIA	VK4TJ
7047,0	1	2016	10	29	1920		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7050,0	3	2016	10	4	2050		J3E/L						ARABIC SOUNDING MUSIC	QG62an	WIA	VK4TJ

7050,0	3	2016	10	6	1945		J3E/L						RUSSIAN TV SOUNDTRACK	QG62an	WIA	VK4TJ
7050,0		2016	10	11	0845		A1A						LETTER CIPHER	QG62an	WIA	VK4TJ
7050,0	3	2016	10	18	2010		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
7051,0	1	2016	10	18	2015		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7052,0	5	2016	10	11	0825		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7056,0	3	2016	10	2	0720		J3E/U						TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
7073,0	3	2016	10	19	2115		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7078,6	1	2016	10	11	0815		A1A				RUS	K	DAILY, BEACON	QG62an	WIA	VK4TJ
7080,0	3	2016	10	19	1940		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
7085,0	10	2016	10	18	2015		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7091,0	3	2016	10	9	1950		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7091,3	1	2016	10	9	1950		A2A				RUS	V	BEACON	QG62an	WIA	VK4TJ
7100,0		2016	10	5	0810		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7101,0	1	2016	10	19	2115		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7107,0	3	2016	10	6	0910		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7108,0	3	2016	10	6	1945		F1B	HIGH					BURSTS	QG62an	WIA	VK4TJ
7110,0	3	2016	10	17	2040		F1B	HIGH					BURSTS	QG62an	WIA	VK4TJ
7111,0	3	2016	10	2	2040		J3E/U				PHL		TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
7112,0		2016	10	11	0810		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7112,0	3	2016	10	17	1020		G7D						BURSTS	QG62an	WIA	VK4TJ
7113,0	1	2016	10	19	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7114,0	1	2016	10	2	2040		F1B		250				DAILY, BURSTS	QG62an	WIA	VK4TJ
7116,0		2016	10	9	1950		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7116,5		2016	10	13	1940		N0N							QG62an	WIA	VK4TJ
7120,0	8	2016	10	18	1805		A3E				SOM		RADIO HARGEISA	QG62an	WIA	VK4TJ
7122,0	1	2016	10	13	1945		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
7124,0	1	2016	10	6	1950		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
7133,7	3	2016	10	20	0955		J3E/U						ASIAN, SOUNDS BAHASA	QG62an	WIA	VK4TJ
7134,0	1	2016	10	1	2040		F1B						DAILY, BURSTS	QG62an	WIA	VK4TJ
7135,0	5	2016	10	3	1010		G7D						BURSTS	QG62an	WIA	VK4TJ
7135,0	1	2016	10	3	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7136,5		2016	10	3	1930		A1A						NUMBER CIPHER	QG62an	WIA	VK4TJ
7140,0	30	2016	10	18	2015		VXX						DAILY, CODAR	QG62an	WIA	VK4TJ
7141,0	1	2016	10	23	1935		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7144,0	1	2016	10	3	1935		F1B						DAILY, BURSTS	QG62an	WIA	VK4TJ
7146,5	8	2016	10	18	1805		A3E						RADIO ERITREA	QG62an	WIA	VK4TJ
7150,0	3	2016	10	4	2050		J3E/U						ASIAN	QG62an	WIA	VK4TJ

7153,0	1	2016	10	12	0940		A2A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7156,0		2016	10	19	1015		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7160,0	30	2016	10	6	1950		VXX						DAILY, CODAR	QG62an	WIA	VK4TJ
7185,0	5	2016	10	7	0935		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7185,0	8	2016	10	18	1805		A3E						RADIO ERITREA	QG62an	WIA	VK4TJ
7193,3	3	2016	10	9	1950		J3E/U						DAILY, ALL DAY, ASIAN	QG62an	WIA	VK4TJ
7195,0	5	2016	10	7	0945		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7197,0	1	2016	10	20	1000		A2A						MODULATION IS HUM	QG62an	WIA	VK4TJ
7200,0	3	2016	10	21	0950		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7200,0	8	2016	10	3	1005		A3E						DAILY, SW BROADCAST, (2 STATIONS) CHINESE LANGUAGE	QG62an	WIA	VK4TJ
7200,0	3	2016	10	12	0945		J3E/L						ASIAN FAMILY NET. NO CALLS – EVER	QG62an	WIA	VK4TJ
7207,2	3	2016	10	11	0805		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7248,9	3	2016	10	3	0635		J3E/L						ASIAN, WITH ROGER BEEPS	QG62an	WIA	VK4TJ
7262,1		2016	10	20	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7265,5		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7268,7		2016	10	5	1010		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7269,3		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7273,4		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7276,6		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7279,6		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7280,0		2016	10	5	1010		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7281,5		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7284,7		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7287,5		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7290,8		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7292,4		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ

7294,2		2016	10	20	1000		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7295,7		2016	10	3	1005		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7298,9		2016	10	20	1000		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7300,0	100	2016	10	6	0955		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
10100,0	8	2016	10	4	0915		A3E				NKR		RADIO PYONGYANG	QG62an	WIA	VK4TJ
10125,0	10	2016	10	1	2115		P0N						BURSTS, STARTS WITH TONE	QG62an	WIA	VK4TJ
10130,0	20	2016	10	11	2205		VXX						CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
10155,0	20	2016	10	5	2105		P0N						BURSTS	QG62an	WIA	VK4TJ
14000,0	3	2016	10	6	2300		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14000,0		2016	10	12	0955		N0N							QG62an	WIA	VK4TJ
14000,2	3	2016	10	13	1945		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14008,0	1	2016	10	3	0850		F1B		250				DAILY, CONTINUOUS	QG62an	WIA	VK4TJ
14008,2	3	2016	10	10	1000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14009,0	3	2016	10	3	0855		J3E/U						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
14010,0	3	2016	10	20	0635		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14014,1		2016	10	12	0955		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14040,0	3	2016	10	6	0950		J3E/L						CHINESE	QG62an	WIA	VK4TJ
14043,0	3	2016	10	20	0635		J3E/L						CHINESE	QG62an	WIA	VK4TJ
14048,0	3	2016	10	25	0835		J3E/L						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14048,0	3	2016	10	6	2300		J3E/U				PHL		DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14048,0	5	2016	10	7	0840		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14058,5	3	2016	10	26	0815		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14060,0	2	2016	10	22	2140		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14060,8	3	2016	10	28	2350		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14064,7	3	2016	10	12	0955		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14067,8	3	2016	10	12	0825		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14088,0	3	2016	10	28	0710		J3E/U						SPANISH SPEAKERS	QG62an	WIA	VK4TJ
14093,0	1	2016	10	3	0645		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14099,0	1	2016	10	30	0700		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14100,0	3	2016	10	10	1020		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14103,7	3	2016	10	12	1000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14116,0	1	2016	10	10	0750		F1B	75	250		RUS		CONTINUOUS	QG62an	WIA	VK4TJ
14130,0	15	2016	10	9	0720		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
14132,0	1	2016	10	10	0750		F1B	75	250		RUS		CONTINUOUS	QG62an	WIA	VK4TJ
14132,5	3	2016	10	25	0840		J3E/U						ASIAN	QG62an	WIA	VK4TJ

14133,0	1	2016	10	12	1000		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
14140,5	3	2016	10	27	2350		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14141,8	3	2016	10	26	0820		J3E/U						CHINESE FAMILY NET	QG62an	WIA	VK4TJ
14143,0	5	2016	10	3	0605		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14145,0	10	2016	10	4	0700		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14149,0	1	2016	10	6	2300		F1B						BURSTS	QG62an	WIA	VK4TJ
14166,0	1	2016	10	12	0830		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14170,0	10	2016	10	6	2305		P0N						OTHR	QG62an	WIA	VK4TJ
14177,0		2016	10	10	1025		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14178,0	1	2016	10	24	0800		F1B	50	200		RUS		DAILY, CONTINUOUS	QG62an	WIA	VK4TJ
14180,0	1	2016	10	8	0710		F1B	50	200				DAILY, CONTINUOUS	QG62an	WIA	VK4TJ
14201,5	3	2016	10	10	<2130- 2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	10	11	<0600- 1030>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2016	10	10	<2200- 2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	10	11	<0700- 0933>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2016	10	10	<2200- 2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	10	11	<0745- 0900>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	5	2016	10	1	0750		G7D						DAILY	QG62an	WIA	VK4TJ
14203,4	3	2016	10	6	0935		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14214,0		2016	10	3	0610		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14220,0	160	2016	10	9	0550		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14220,0	3	2016	10	14	0520		J3E/U						ASIAN MUSIC, SOUNDS HINDI	QG62an	WIA	VK4TJ
14221,0	1	2016	10	10	2300		F1B						DAILY, CONTINUOUS	QG62an	WIA	VK4TJ
14227,5	3	2016	10	12	1005		J3E/U						ASIAN, ALTERNATES WITH SELCALL & G7D	QG62an	WIA	VK4TJ
14237,0	3	2016	10	24	1025		F1B						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
14240,0	1	2016	10	6	0540		F1B		850				CONTINUOUS	QG62an	WIA	VK4TJ
14240,0	20	2016	10	10	2300		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14250,0	3	2016	10	24	2100		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14260,0	10	2016	10	4	0700		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14265,0	10	2016	10	8	0755		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ

14270,0	160	2016	10	9	0715		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14295,0	8	2016	10	9	0420		A3E				TJK		3RD HARMONIC RADIO TADJIKISTAN	QG62an	WIA	VK4TJ
14305,0	10	2016	10	27	2350		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14308,7	3	2016	10	4	0915		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14310,0	160	2016	10	1	0440		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14317,5	3	2016	10	8	0805		J3E/U						CHINESE, NO CALLS – EVER	QG62an	WIA	VK4TJ
14325,0	3	2016	10	27	0950		G1D						RHYTHMIC PULSES	QG62an	WIA	VK4TJ
14330,0	10	2016	10	17	0830		P0N						OTHR	QG62an	WIA	VK4TJ
14334,5	3	2016	10	8	0830		J3E/U						CHINESE, NO CALLS – EVER	QG62an	WIA	VK4TJ
14340,0	10	2016	10	28	2355		P0N						OTHR	QG62an	WIA	VK4TJ
14345,0	20	2016	10	12	1005		P0N						BURSTS	QG62an	WIA	VK4TJ
18095,0	10	2016	10	1	0800		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
18132,0	1	2016	10	12	2310		F1B	HIGH	425				BURSTS	QG62an	WIA	VK4TJ
18145,0	10	2016	10	17	0845		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
18165,0	5	2016	10	9	0725		G1D						BROAD PSK	QG62an	WIA	VK4TJ
21000,0	3	2016	10	2	0130		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
21040,0	6	2016	10	24	0905		A3E						SW BROADCAST SPURIOUS	QG62an	WIA	VK4TJ
21050,0	20	2016	10	24	0900		P0N						OTHR	QG62an	WIA	VK4TJ
21070,0	3	2016	10	4	2310		J3E/L						ASIAN	QG62an	WIA	VK4TJ
21107,0	1	2016	10	13	0120		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
21113,0	1	2016	10	3	0700		F1B		650				DAILY, IDLING	QG62an	WIA	VK4TJ
21120,0	9	2016	10	12	2315		J3E/L				INS		3RD HARMONIC OF YB INTRUDER	QG62an	WIA	VK4TJ
21145,0	20	2016	10	17	0410		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
21180,0	20	2016	10	18	0640		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21190,0	20	2016	10	17	0850		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21200,0	20	2016	10	5	0220		VXX						CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
21220,0	20	2016	10	12	1025		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21255,0	20	2016	10	6	0010		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21260,0	10	2016	10	5	0410		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21270,0	10	2016	10	18	0625		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ

21330,0	10	2016	10	5	0650		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21340,0	3	2016	10	13	0135		J3E/L						ASIAN, NOT CHINESE	QG62an	WIA	VK4TJ
21375,0	10	2016	10	28	0750		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21380,0	10	2016	10	17	0245		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21385,0	20	2016	10	29	0010		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21390,0	20	2016	10	28	0140		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21390,0	6	2016	10	13	0815		A3E						ASIAN	QG62an	WIA	VK4TJ
21410,0	10	2016	10	17	0355		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21415,0	20	2016	10	31	0225		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21420,0	20	2016	10	13	0140		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21425,0	10	2016	10	22	0120		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21430,0	10	2016	10	22	0805		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21432,7	3	2016	10	9	0025		J3E/U						CHINESE – NO CALLS – EVER	QG62an	WIA	VK4TJ
24887,5	8	2016	10	4	0750		F3E						ASIAN	QG62an	WIA	VK4TJ
24905,0	6	2016	10	13	0220		A3E						ASIAN	QG62an	WIA	VK4TJ
24912,5	8	2016	10	13	0235		F3E						ASIAN	QG62an	WIA	VK4TJ
24915,0	6	2016	10	4	2320		A3E						ASIAN	QG62an	WIA	VK4TJ
24925,0	8	2016	10	4	2320		F3E						ASIAN	QG62an	WIA	VK4TJ
24935,0	6	2016	10	4	2320		A3E						ASIAN	QG62an	WIA	VK4TJ
24937,5	8	2016	10	9	0800		F3E						ASIAN	QG62an	WIA	VK4TJ
24955,0	6	2016	10	13	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
24962,5	8	2016	10	9	0745		F3E						ASIAN	QG62an	WIA	VK4TJ
24965,0	6	2016	10	5	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
24975,0	8	2016	10	5	2345		F3E						ASIAN	QG62an	WIA	VK4TJ
28000,0	6	2016	10	1	0305		A3E						ASIAN	QG62an	WIA	VK4TJ
28005,0	6	2016	10	4	2345		A3E						ASIAN	QG62an	WIA	VK4TJ
28012,5	8	2016	10	4	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28015,0	6	2016	10	4	2345		A3E						ASIAN	QG62an	WIA	VK4TJ
28025,0	6	2016	10	4	0100		A3E						ASIAN	QG62an	WIA	VK4TJ
28035,0	6	2016	10	4	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28037,5	8	2016	10	4	0700		F3E						ASIAN	QG62an	WIA	VK4TJ
28050,0	8	2016	10	28	0425		F3E						ASIAN	QG62an	WIA	VK4TJ
28055,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28062,5	8	2016	10	9	0215		F3E						ASIAN	QG62an	WIA	VK4TJ

28065,0	6	2016	10	4	2325		A3E						ASIAN	QG62an	WIA	VK4TJ
28075,0	6	2016	10	4	0230		A3E						ASIAN	QG62an	WIA	VK4TJ
28085,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28087,5	8	2016	10	4	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28100,0	8	2016	10	1	0310		F3E						ASIAN	QG62an	WIA	VK4TJ
28105,0	6	2016	10	4	0700		A3E						ASIAN	QG62an	WIA	VK4TJ
28112,5	8	2016	10	8	0025		F3E						ASIAN	QG62an	WIA	VK4TJ
28115,0	6	2016	10	4	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28125,0	6	2016	10	3	0140		A3E						ASIAN	QG62an	WIA	VK4TJ
28135,0	6	2016	10	4	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28137,5	8	2016	10	3	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28145,0	6	2016	10	4	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28150,0	8	2016	10	4	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28155,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28162,5	8	2016	10	8	0050		F3E						ASIAN	QG62an	WIA	VK4TJ
28165,0	6	2016	10	4	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28175,0	8	2016	10	1	0310		F3E						ASIAN	QG62an	WIA	VK4TJ
28185,0	6	2016	10	4	2325		A3E						ASIAN	QG62an	WIA	VK4TJ
28187,5	8	2016	10	8	0055		F3E						ASIAN	QG62an	WIA	VK4TJ
28195,0	6	2016	10	4	2325		A3E						ASIAN	QG62an	WIA	VK4TJ
28200,0	8	2016	10	4	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
28205,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28212,5	8	2016	10	9	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
28215,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28225,0	8	2016	10	4	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
28235,0	6	2016	10	4	0225		A3E						ASIAN	QG62an	WIA	VK4TJ
28237,5	8	2016	10	8	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28245,0	6	2016	10	4	0105		A3E						ASIAN	QG62an	WIA	VK4TJ
28250,0	8	2016	10	1	0310		F3E						ASIAN	QG62an	WIA	VK4TJ
28255,0	6	2016	10	4	0650		A3E						ASIAN	QG62an	WIA	VK4TJ
28262,5	8	2016	10	11	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28265,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28275,0	8	2016	10	4	0555		F3E						ASIAN	QG62an	WIA	VK4TJ
28285,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28287,5	8	2016	10	8	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28295,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28300,0	8	2016	10	4	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
28305,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28312,5	8	2016	10	10	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
28315,0	6	2016	10	4	0555		A3E						ASIAN	QG62an	WIA	VK4TJ
28325,0	8	2016	10	4	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
28335,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28350,0	8	2016	10	3	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28355,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ

28362,5	8	2016	10	8	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
28365,0	6	2016	10	4	2330		A3E						ASIAN	QG62an	WIA	VK4TJ
28375,0	8	2016	10	1	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28385,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28387,5	8	2016	10	5	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28400,0	8	2016	10	1	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28405,0	6	2016	10	4	0600		A3E						ASIAN	QG62an	WIA	VK4TJ
28412,5	8	2016	10	5	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28415,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28425,0	8	2016	10	4	0600		F3E						ASIAN	QG62an	WIA	VK4TJ
28435,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28437,5	8	2016	10	5	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28450,0	8	2016	10	9	0240		F3E						ASIAN	QG62an	WIA	VK4TJ
28455,0	6	2016	10	4	2350		A3E						ASIAN	QG62an	WIA	VK4TJ
28462,5	8	2016	10	9	0240		F3E						ASIAN	QG62an	WIA	VK4TJ
28465,0	6	2016	10	4	2355		A3E						ASIAN	QG62an	WIA	VK4TJ
28475,0	8	2016	10	4	2330		F3E						ASIAN	QG62an	WIA	VK4TJ
28485,0	6	2016	10	4	2355		A3E						ASIAN	QG62an	WIA	VK4TJ
28487,5	8	2016	10	9	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
28500,0	8	2016	10	4	2330		F3E						ASIAN	QG62an	WIA	VK4TJ
28505,0	6	2016	10	4	2330		A3E						ASIAN	QG62an	WIA	VK4TJ
28512,5	8	2016	10	10	0400		F3E						ASIAN	QG62an	WIA	VK4TJ
28515,0	6	2016	10	4	2355		A3E						ASIAN	QG62an	WIA	VK4TJ
28525,0	8	2016	10	4	0600		F3E						ASIAN	QG62an	WIA	VK4TJ
28535,0	6	2016	10	4	2355		A3E						ASIAN	QG62an	WIA	VK4TJ
28537,5	8	2016	10	12	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28550,0	8	2016	10	9	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
28555,0	6	2016	10	4	0645		A3E						ASIAN	QG62an	WIA	VK4TJ
28562,5	8	2016	10	4	0110		F3E						ASIAN	QG62an	WIA	VK4TJ
28565,0	6	2016	10	4	0600		A3E						ASIAN	QG62an	WIA	VK4TJ
28575,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28585,0	6	2016	10	11	0625		A3E						ASIAN	QG62an	WIA	VK4TJ
28587,5	8	2016	10	11	0625		F3E						ASIAN	QG62an	WIA	VK4TJ
28595,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28600,0	8	2016	10	4	0110		F3E						ASIAN	QG62an	WIA	VK4TJ
28605,0	6	2016	10	5	0005		A3E						ASIAN	QG62an	WIA	VK4TJ
28612,5	8	2016	10	12	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28625,0	8	2016	10	3	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28635,0	6	2016	10	5	0005		A3E						ASIAN	QG62an	WIA	VK4TJ
28637,5	8	2016	10	4	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28645,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28650,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28655,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28662,5	8	2016	10	4	0110		F3E						ASIAN	QG62an	WIA	VK4TJ

28665,0	6	2016	10	5	0010		A3E						ASIAN	QG62an	WIA	VK4TJ
28675,0	8	2016	10	4	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28685,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28687,5	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28695,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28700,0	6	2016	10	4	0115		A3E						ASIAN	QG62an	WIA	VK4TJ
28705,0	6	2016	10	4	0645		A3E						ASIAN	QG62an	WIA	VK4TJ
28712,5	8	2016	10	4	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28715,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28725,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28735,0	6	2016	10	4	2335		A3E						ASIAN	QG62an	WIA	VK4TJ
28737,5	8	2016	10	3	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28745,0	6	2016	10	4	0605		A3E						ASIAN	QG62an	WIA	VK4TJ
28750,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28755,0	6	2016	10	4	0605		A3E						ASIAN	QG62an	WIA	VK4TJ
28765,0	6	2016	10	25	0325		A3E						ASIAN	QG62an	WIA	VK4TJ
28775,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28780,0	6	2016	10	11	0650		A3E						ASIAN	QG62an	WIA	VK4TJ
28787,5	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28800,0	8	2016	10	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28812,5	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28815,0	6	2016	10	10	0230		A3E						ASIAN	QG62an	WIA	VK4TJ
28825,0	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28837,5	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28845,0	6	2016	10	11	0740		A3E						ASIAN	QG62an	WIA	VK4TJ
28850,0	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28862,5	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28875,0	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28887,5	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28900,0	8	2016	10	3	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28912,5	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28925,0	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28937,5	8	2016	10	4	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
28950,0	8	2016	10	25	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
28950,0	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28962,5	8	2016	10	4	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28975,0	8	2016	10	4	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28987,5	8	2016	10	3	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29000,0	8	2016	10	3	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29000,0	3	2016	10	4	0640		J3E/U						CHINESE – NO CALLS – EVER	QG62an	WIA	VK4TJ
29012,5	8	2016	10	3	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29025,0	8	2016	10	4	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
29037,5	8	2016	10	4	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29050,0	8	2016	10	4	0120		F3E						ASIAN	QG62an	WIA	VK4TJ

29062,5	8	2016	10	17	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
29075,0	8	2016	10	3	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
29087,5	8	2016	10	4	0610		F3E						ASIAN	QG62an	WIA	VK4TJ
29100,0	8	2016	10	3	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
29112,5	8	2016	10	3	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29125,0	8	2016	10	3	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29150,0	8	2016	10	3	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29162,5	8	2016	10	3	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29175,0	8	2016	10	3	0215		F3E						ASIAN	QG62an	WIA	VK4TJ
29187,5	8	2016	10	3	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29200,0	8	2016	10	3	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
29212,5	8	2016	10	5	0055		F3E						ASIAN	QG62an	WIA	VK4TJ
29225,0	8	2016	10	3	0030		F3E						ASIAN	QG62an	WIA	VK4TJ
29237,5	8	2016	10	3	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
29250,0	8	2016	10	3	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
29262,5	8	2016	10	3	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
29275,0	8	2016	10	3	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
29287,5	8	2016	10	4	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29300,0	8	2016	10	3	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
29312,5	8	2016	10	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29315,0	6	2016	10	17	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
29325,0	8	2016	10	3	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
29337,5	8	2016	10	3	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
29350,0	8	2016	10	3	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
29362,5	8	2016	10	1	0345		F3E						ASIAN	QG62an	WIA	VK4TJ
29375,0	8	2016	10	3	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
29385,0	6	2016	10	12	0225		A3E						ASIAN	QG62an	WIA	VK4TJ
29387,5	8	2016	10	3	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
29400,0	8	2016	10	3	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
29412,5	8	2016	10	3	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
29425,0	8	2016	10	3	0255		F3E						ASIAN	QG62an	WIA	VK4TJ
29437,5	8	2016	10	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29450,0	8	2016	10	3	0255		F3E						ASIAN	QG62an	WIA	VK4TJ
29462,5	8	2016	10	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29475,0	8	2016	10	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29487,5	8	2016	10	1	0335		F3E						ASIAN	QG62an	WIA	VK4TJ
29500,0	8	2016	10	3	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
29512,5	8	2016	10	3	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
29525,0	8	2016	10	3	0225		F3E						ASIAN	QG62an	WIA	VK4TJ
29537,5	8	2016	10	12	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
29550,0	8	2016	10	3	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
29562,5	8	2016	10	16	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
29575,0	8	2016	10	3	0235		F3E						ASIAN	QG62an	WIA	VK4TJ
29587,5	8	2016	10	3	0235		F3E						ASIAN	QG62an	WIA	VK4TJ

29600,0	8	2016	10	4	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
29612,5	8	2016	10	1	0340		F3E						ASIAN	QG62an	WIA	VK4TJ
29625,0	8	2016	10	3	0230		F3E						ASIAN	QG62an	WIA	VK4TJ
29637,5	8	2016	10	3	0230		F3E						ASIAN	QG62an	WIA	VK4TJ
29650,0	8	2016	10	3	0230		F3E						ASIAN	QG62an	WIA	VK4TJ
29662,5	8	2016	10	4	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
29675,0	8	2016	10	3	0225		F3E						ASIAN	QG62an	WIA	VK4TJ
29687,5	8	2016	10	1	0340		F3E						ASIAN	QG62an	WIA	VK4TJ
29700,0	8	2016	10	3	0225		F3E						ASIAN	QG62an	WIA	VK4TJ

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