



INTERNATIONAL AMATEUR RADIO
UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



November 2016

Titon Dutono, YB3PET

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

For period of November there were 8 observations from ARSI, 216 observations from JARL, 12 observations from NZART, and also there were 513 observations from WIA. By this month sampling, there were total 749 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

Note from WIA: The highlights is the continuing data system on 14201.5 kHz in contravention of ITU footnotes – out of frequency band for Primary service. Also the usual OHR's particularly on 20 meters.

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: 8 observations

KHz	BW KHz.	YYYY	MM	DD	UTC	EMM	ADM	ID	DESCRIPTION.	GRID	SOCIETY	EQUIPMENT	ANTENNA
7017	2	2016	11	11	<02010-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN QSO IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
10101		2016	11	19	<0225-0240>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7162		2016	11	25	<0205-0220>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7011		2016	11	29	<0230-0240>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
7003		2016	12	11	<0215-0230>	J3E/U	CLN	UNID	SRI LANKAN FISHERMEN IN SINHALA; QRM IS UNDERSTOOD	MK82	ARSI	FT757GX	INV.VEE; VERT;
14004		2016	12	12	<0215-0225>	J3E/U	UNID	UNID	SOUTH EAST ASIAN -2 OM CONVERSING WITHOUT CALL SIGNS	MK82	ARSI	FT757GX	INV.VEE; VERT;
7025	2	2016	12	9	<1245-1245>	J3E/L	UNID	UNID	QSO between Many OM One pronouncing MARYEYADHA repeatedly	NL06lu	ARSI	IC-70	Vertical with ATU
14205	2	2016	12	17	<1215-1220>	J3E/U	UNID	UNID	QSO between 3 OM Language like South Indian ; S4 signal	NL06lu	ARSI	IC-70	Vertical with ATU

JARL: 216 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID		Grid	Society
3530.0	0.5	2016	11	17	#REF!	A1A						Signal of rhythm	PM84XT	JARL
3530.0	0.5	2016	11	22	#REF!	A1A						Signal of rhythm	PM84XT	JARL
3530.0	0.5	2016	11	29	#REF!	A1A						Signal of rhythm	PM84XT	JARL
3533.0	8.0	2016	11	08	#REF!	Jamming						Signal RS:59	PM84XT	JARL
3533.0	0.5	2016	11	08	#REF!	A1A						Signal of rhythm	PM84XT	JARL
3560.0	3.0	2016	11	12	#REF!	J3E/L						train of "ZJL4"	PM84XT	JARL
7038	1	2016	11	24	1006	PXX			non	non	non	unkown pulse only	PM 97	JARL
7038	1	2016	11	30	1006	PXX			non	CHN	non	unkown pulse only	PM 97	JARL
7039	0.5	2016	11	07	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	09	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	10	1312	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	11	1306	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	12	1310	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	13	1006	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	13	1104	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	14	1004	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0,5	2016	11	15	1010	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2016	11	15	1104	A1A			15	RUS	M--signal	Beacon	PM 97	JARL

7039	1	2016	11	29	1008	PXX			non	non	non	unkown pulse only	PM 97	JARL
7039.2	0.5	2016	11	15	13:33	A1A						train of "K"	PM84XT	JARL
7039.2	0.5	2016	11	15	13:33	A1A						train of "M"	PM84XT	JARL
7040	1	2016	11	03	1304	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2016	11	04	1306	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2016	11	06	1104	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2016	11	08	1204	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2016	11	16	1110	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2016	11	24	1004	PXX			non	non	non	unkown pulse only	PM 97	JARL
7200	5	2016	11	01	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time PM 97	JARL
7200	4	2016	11	01	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 ? after QRT	Time PM 97	JARL
7200	4	2016	11	01	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2016	11	01	1200	A3E			non	non	non	unkwn talk and music	PM 97	JARL
7200	4	2016	11	01	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time PM 97	JARL
7200	3	2016	11	01	1300	A3E			non	non	non	unkown talk and music	PM 97	JARL
7200	5	2016	11	02	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time PM 97	JARL
7200	4	2016	11	02	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time PM 97	JARL
7200	4	2016	11	02	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time PM 97	JARL
7200	3	2016	11	02	1200	A3E			non	CHN	non	unkown talk and music time signal	no PM 97	JARL
7200	4	2016	11	02	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time PM 97	JARL
7200	3	2016	11	02	1300	A3E			non	CHN	non	unkwon talk and music time signal	no PM 97	JARL
7200	5	2016	11	03	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time PM 97	JARL
7200	4	2016	11	03	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time PM 97	JARL
7200	4	2016	11	03	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time PM 97	JARL
7200	3	2016	11	03	1200	A3E			non	non	non	unkown talk and music time signal	no PM 97	JARL
7200	4	2016	11	03	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time PM 97	JARL
7200	3	2016	11	03	1300	A3E			non	non	non	unkown talk and music time signal	no PM 97	JARL
7200	5	2016	11	04	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time PM 97	JARL
7200	4	2016	11	04	1200	A3E			non	CHN	non	Chainese talk and music signal 3+0? after QRT	Time PM 97	JARL
7200	4	2016	11	04	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2016	11	04	1200	A3E			non	CHN	non	unkown talk and music	PM 97	JARL

7200	4	2016	11	04	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	04	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	05	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	05	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	05	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	05	1200	A3E			non	non	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	05	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	05	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	5	2016	11	06	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	06	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	06	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	06	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	06	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	06	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	06	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	06	1300	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	5	2016	11	07	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	07	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	07	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	07	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	07	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	07	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	5	2016	11	08	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	3	2016	11	08	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	08	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	08	1200	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	4	2016	11	08	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	08	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL

7200	5	2016	11	09	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	09	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	09	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	09	1200	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	4	2016	11	09	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	09	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	10	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	10	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	4	2016	11	11	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	11	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	12	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	12	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	12	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	12	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	12	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	12	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	12	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	12	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	12	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	3	2016	11	12	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	13	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	13	1000	A3E			non	CHN	non	Chainese talk and music signal 0+1	Time	PM 97	JARL
7200	5	2016	11	13	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	13	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	14	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	14	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL

7200	5	2016	11	14	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	14	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	14	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	14	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	14	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	14	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	14	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	14	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	15	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	15	1000	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	15	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	15	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	15	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	15	1200	A3E			non	CHN	non	Chainese talk and music time siganal after QRT	no	PM 97	JARL
7200	4	2016	11	15	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	15	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	15	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	15	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	16	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	16	1000	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	16	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	16	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	16	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	16	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	16	1200	A3E			non	non	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	16	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	16	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	16	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL

7200	5	2016	11	22	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	22	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	22	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	22	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	22	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	22	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	23	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	23	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	23	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	23	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	23	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	23	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	23	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	23	1200	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	4	2016	11	23	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	23	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	24	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	24	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	24	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	24	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	24	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	24	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	24	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	24	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	24	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	24	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	25	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL

7200	3	2016	11	25	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	25	1100	A3E			non	non	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	25	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	25	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	25	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	25	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	25	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	25	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	3	2016	11	25	1300	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	5	2016	11	26	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	26	1000	A3E			non	non	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	26	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	26	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	26	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	26	1200	A3E			non	non	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	26	1200	A3E			non	CHN	non	Chainese talk and music siganl 5+1 after QRT	Time	PM 97	JARL
7200	3	2016	11	26	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	26	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	3	2016	11	26	1300	A3E			non	non	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	5	2016	11	27	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	27	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	27	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	27	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	27	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	27	1200	A3E			non	CHN	non	Chainese talk and music time signal after QRT	no	PM 97	JARL
7200	4	2016	11	27	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	27	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL

7200	4	2016	11	27	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	3	2016	11	27	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	28	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	28	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	28	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	28	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	28	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	28	1200	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	28	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	28	1300	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	3	2016	11	29	0950	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	5	2016	11	29	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	29	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	29	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	29	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	29	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	29	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	29	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	29	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2016	11	29	1300	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2016	11	29	1300	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	5	2016	11	30	1000	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	30	1000	A3E			non	CHN	non	Chainese talk and music time signal	no	PM 97	JARL
7200	5	2016	11	30	1100	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time	PM 97	JARL
7200	4	2016	11	30	1100	A3E			non	CHN	non	Chainese talk and music signal 3+1	Time	PM 97	JARL
7200	5	2016	11	30	1200	A3E			non	CHN	non	Chainese talk and music signal 5+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	30	1200	A3E			non	CHN	non	Chainese talk and music signal 3+1 after QRT	Time	PM 97	JARL
7200	4	2016	11	30	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL

7200	3	2016	11	30	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	4	2016	11	30	1300	A3E			non	CHN	non	Chainese talk and music signal 5+1	Time PM 97	JARL
7200	3	2016	11	30	1300	A3E			non	CHN	non	Chainese talk and music time signal	no PM 97	JARL

NZART: 12 observations

kHz	BW	YYYY	Mon	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	GRID	SOCIETY
3660	200	2016	11	07	<1800.	1800	PXX				?	Unid	OTHR 41 pps Continuous bandwidth approximately 200 kHz	RF73JD	ZL1DRB
3795	200	2016	11	07	<1800>	1800	PXX				?	Unid	OTHR 41 pps Continuous overlapping with 3815	RF73JD	ZL1DRB
3825	200	2016	11	07	<1800>	1800	PXX				?	Unid	OTHR 41 pps Continuous overlapping with 3795	RF73JD	ZL1DRB
14131	19	2016	11	19	<0840>	0840-0845	PXX				?	Unid	OTHR Continuous 50 pps continuous given the fluffy edges suspect Russian	RF73JD	ZL1DRB
14250	12	2016	11	21	<0530>	0530	PXX				?	Unid	OTHR 62.5 pps 4 second bursts with 30-40 second gaps hgher and lower bursts	RF73JD	ZL1DRB
14262	12	2016	11	17	<0830>	0830	PXX				?	Unid	OTHR 62.5 pps 4 second bursts with 30-40 second gaps higher and lower bursts	RF73JD	ZL1DRB
14315		2016	11	26	<0957>	0957	J3E/U				?	AH7G	Ship to shore AH7G and V63YWR USA to Micronesia - nice review by Carl	RF73HM	ZL3CX
21257.5	11	2016	11	27	<0830>	0830	PXX				?	Unid	OTHR S7 3.75 second bursts 66 pps	RF73MF	ZL1GWE
21290.5	9	2016	11	27	<0629>	0629	PXX				?	Unid	OTHR S5 50 pps 5 second bursts	RF73MF	ZL1GWE
21302	10	2016	11	27	<0537>	0537	PXX				?	Unid	OTHR 5 second bursts 50 pps S6	RF73MF	ZL1GWE
21334.5	11	2016	11	27	<0629>	0629	PXX				?	Unid	OTHR S6 50 pps 5 second bursts	RF73MF	ZL1GWE
21338.5	11	2016	11	28	<0537>	0537	PXX				?	Unid	OTHR S5 5 second bursts of 50 pps	RF73MF	ZL1GWE

WIA: 513 observation

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3501,0		2016	11	30	1915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3501,0	3	2016	11	2	1915		J3E/U						ROBOT CHINESE VOICE READING LIST	QG62an	WIA	VK4TJ
3505,0	1	2016	11	4	1920		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3505,0		2016	11	1	1905		N0N							QG62an	WIA	VK4TJ
3507,0	3	2016	11	14	1905		J3E/U						ASIAN, FOLLOWS SELCALL ON 3508	QG62an	WIA	VK4TJ

3508,0	5	2016	11	30	1920		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3508,0	1	2016	11	14	1905		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3510,8	3	2016	11	30	1920		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3513,0	3	2016	11	14	1915		J3E/L				RUS		RUSSIAN LANGUAGE	QG62an	WIA	VK4TJ
3522,0	1	2016	11	9	1930		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3524,0	1	2016	11	30	1920		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3525,0		2016	11	20	1910		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3532,0	3	2016	11	27	1935		G1D						BURSTS	QG62an	WIA	VK4TJ
3537,5	3	2016	11	2	1920		J3E/U						ROBOT CHINESE VOICE READING LIST	QG62an	WIA	VK4TJ
3541,0	1	2016	11	10	1930		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3542,0		2016	11	2	1920		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3546,0	3	2016	11	20	1015		J3E/U						CHINESE. NO CALLS, EVER	QG62an	WIA	VK4TJ
3548,0	1	2016	11	5	1915		F1A						NUMBER CIPHER	QG62an	WIA	VK4TJ
3548,0	1	2016	11	5	1915		F1B						IDLING	QG62an	WIA	VK4TJ
3552,0	5	2016	11	20	1910		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3554,0	5	2016	11	2	1920		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3555,5	3	2016	11	3	1810		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3558,0	5	2016	11	30	1920		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3560,0	8	2016	11	14	0945		A3E				NKR		RADIO PYONGYANG	QG62an	WIA	VK4TJ
3571,0	5	2016	11	17	1910		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3574,0	3	2016	11	8	1905		J1C						FAX	QG62an	WIA	VK4TJ
3575,0	50	2016	11	27	1935		P0N						OTHR, CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
3582,0		2016	11	16	1910		A1A						LETTER CIPHER, MANY NON- ENGLISH CHAR	QG62an	WIA	VK4TJ
3585,0	2	2016	11	5	0930		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3585,0	3	2016	11	1	0930		J1C				KOR	HLL2	FAX	QG62an	WIA	VK4TJ
3586,0	1	2016	11	10	1930		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3588,0	1	2016	11	18	1950		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3590,0		2016	11	16	1915		N0N							QG62an	WIA	VK4TJ
3592,0		2016	11	1	1905		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ

3600,0	50	2016	11	7	1935		P0N						OTHR, CONTINUOUS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
3600,0	3	2016	11	2	1925		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3605,0		2016	11	1	1905		A1A					V	PLACE SAVER LIKE 14201.5	QG62an	WIA	VK4TJ
3606,0	1	2016	11	27	1935		S						CONTINUOUS	QG62an	WIA	VK4TJ
3614,8	3	2016	11	3	1810		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3622,5	3	2016	11	1	0910		J1C				JPN	JMH	DAILY, FAX	QG62an	WIA	VK4TJ
3637,5	1	2016	11	30	1920		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3640,0	1	2016	11	30	1925		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3642,0		2016	11	2	1925		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3643,0	1	2016	11	9	1935		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3648,0		2016	11	14	1925		A1A					OUCH	BEACON	QG62an	WIA	VK4TJ
3649,0	1	2016	11	20	1015		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
3650,0	60	2016	11	27	1935		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3658,0	1	2016	11	1	1905		A2A				RUS	V	BEACON, MODULATION IS HUM	QG62an	WIA	VK4TJ
3677,0	1	2016	11	28	1905		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3679,0	5	2016	11	14	1925		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3680,0	60	2016	11	1	0915		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3691,0		2016	11	1	1910		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3699,5	1	2016	11	29	1910		F1A						+ N0N	QG62an	WIA	VK4TJ
3700,0		2016	11	15	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3700,0	1	2016	11	9	1935		F1B	HIGH					CONTINUOUS	QG62an	WIA	VK4TJ
3750,0	50	2016	11	10	1930		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3777,0		2016	11	1	0910		A1A					RIS9	MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3781,0	3	2016	11	17	1915		G7D						SOUNDS LIKE HUM	QG62an	WIA	VK4TJ
3782,0	5	2016	11	27	1940		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
3792,0	1	2016	11	1	1910		F1B						IDLING	QG62an	WIA	VK4TJ
3797,0		2016	11	2	1925		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3800,0		2016	11	19	1900		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3800,0	5	2016	11	3	1805		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3825,0	100	2016	11	13	1930		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ

6930,0	150	2016	11	1	1910		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7000,0	10	2016	11	17	1915		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
7000,0	50	2016	11	1	0850		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7000,0		2016	11	3	1805		A1A				RUS	K	BEACON	QG62an	WIA	VK4TJ
7000,0	3	2016	11	1	0845		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7000,0	3	2016	11	11	0855		J3E/U				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7005,0	3	2016	11	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2016	11	1	0930		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2016	11	1	0845		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2016	11	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7011,0	1	2016	11	28	1915		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
7011,0	1	2016	11	17	1915		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7014,0	3	2016	11	29	0950		J3E/L				CHN		FEMALE VOICE REPEATING ORDERS	QG62an	WIA	VK4TJ
7015,0	3	2016	11	1	0855		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2016	11	1	0935		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2016	11	24	0840		J3E/U				CHN		CHINESE. FISHBOATS. ENGINE NOISE	QG62an	WIA	VK4TJ
7020,0	3	2016	11	1	0855		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7020,0	3	2016	11	1	0845		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7021,0	5	2016	11	1	1940		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7025,0	3	2016	11	3	0925		J3E/L				INS		BAHASA SINGING	QG62an	WIA	VK4TJ
7025,0	3	2016	11	1	0845		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	3	2016	11	2	0935		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7027,0	1	2016	11	1	1910		F1B						IDLING	QG62an	WIA	VK4TJ
7027,5	3	2016	11	14	0920		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7030,0	50	2016	11	30	1925		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7030,0	3	2016	11	1	0845		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7030,0	3	2016	11	1	0945		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7033,0	5	2016	11	1	0845		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7035,0	3	2016	11	1	0845		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7039,4		2016	11	1	0950		A1A				RUS	M	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,5		2016	11	1	0900		A1A				RUS	K	DAILY, BEACON	QG62an	WIA	VK4TJ
7040,0	3	2016	11	2	1000		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7040,0	3	2016	11	2	0955		J3E/L				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7040,0	3	2016	11	29	0940		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7045,0	5	2016	11	28	1915		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7045,0	3	2016	11	2	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7045,0	3	2016	11	2	1015		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7049,0	3	2016	11	28	1915		J3E/U						CHINESE	QG62an	WIA	VK4TJ
7058,0	5	2016	11	28	1915		G7D						SOUNDS LIKE HUM	QG62an	WIA	VK4TJ

7064,0	5	2016	11	1	0905		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7070,0	10	2016	11	21	2105		P0N						OTHR	QG62an	WIA	VK4TJ
7070,0	30	2016	11	10	1935		VXX						DAILY, CODAR	QG62an	WIA	VK4TJ
7070,0	5	2016	11	3	1805		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7078,6	1	2016	11	3	1805		A1A				RUS	K	DAILY, BEACON	QG62an	WIA	VK4TJ
7085,0	50	2016	11	21	2105		P0N						OTHR, SLOW PULSE RATE	QG62an	WIA	VK4TJ
7090,0	50	2016	11	24	0845		P0N						OTHR	QG62an	WIA	VK4TJ
7092,1	3	2016	11	17	1005		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7098,0	1	2016	11	15	1935		F1B	HIGH	250				CONTINUOUS	QG62an	WIA	VK4TJ
7100,0	3	2016	11	29	0940		J3E/L				INS		BAHASA SINGING	QG62an	WIA	VK4TJ
7100,0		2016	11	16	1005		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7105,0	10	2016	11	3	1800		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
7110,0	1	2016	11	8	1950		F1B	HIGH					BURSTS	QG62an	WIA	VK4TJ
7114,0	1	2016	11	2	1930		F1B		250				DAILY, BURSTS	QG62an	WIA	VK4TJ
7118,0	1	2016	11	15	0930		F1B						IDLING	QG62an	WIA	VK4TJ
7118,0	1	2016	11	13	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7120,0	8	2016	11	3	1800		A3E				SOM		RADIO HARGEISA	QG62an	WIA	VK4TJ
7125,0	50	2016	11	1	0850		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7127,0	1	2016	11	13	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7129,0	5	2016	11	27	1940		G1D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
7134,0	1	2016	11	1	1900		F1B				RDL		DAILY, CONTINUOUS	QG62an	WIA	VK4TJ
7134,0	1	2016	11	27	1940		F1A				RDL		NUMBER CIPHER	QG62an	WIA	VK4TJ
7135,0	2	2016	11	27	1940		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7135,0	1	2016	11	24	0850		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7140,0	40	2016	11	29	0930		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7140,0	5	2016	11	10	1935		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7141,0	1	2016	11	27	1945		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
7144,0	1	2016	11	1	0950		F1B						DAILY, BURSTS	QG62an	WIA	VK4TJ
7146,5	8	2016	11	3	1800		A3E						RADIO ERITREA	QG62an	WIA	VK4TJ
7150,0	3	2016	11	15	0930		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7155,0	40	2016	11	28	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7155,0	3	2016	11	1	0950		J3E/U						ASIAN. BAHASA OR TAGALOG	QG62an	WIA	VK4TJ
7156,5	3	2016	11	19	1905		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7158,9	3	2016	11	13	1940		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7171,0	3	2016	11	11	0855		J3E/U						ASIAN, BAHASA OR TAGALOG	QG62an	WIA	VK4TJ

7185,0	8	2016	11	3	1800		A3E						RADIO ERITREA	QG62an	WIA	VK4TJ
7193,0	5	2016	11	29	0930		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
7194,0		2016	11	15	0930		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
7195,0	5	2016	11	1	0950		G1D						BROAD PSK	QG62an	WIA	VK4TJ
7200,0	8	2016	11	1	1000		A3E						DAILY, SW BROADCAST, (2 STATIONS) CHINESE LANGUAGE	QG62an	WIA	VK4TJ
7208,2		2016	11	13	1940		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7211,7		2016	11	13	1940		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7212,0	3	2016	11	11	0900		J3E/U						ASIAN, SOUNDS TAGALOG	QG62an	WIA	VK4TJ
7262,1		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7265,5		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7268,7		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7269,3		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7273,4		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7276,6		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7279,6		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7280,0		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7281,5		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7284,7		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7287,5		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7290,8		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7292,4		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7294,2		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ

7295,7		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
7298,9		2016	11	1	0900		A1A						CONTINUOUS DITS – JAMMING SIGNAL?	QG62an	WIA	VK4TJ
10100,0	8	2016	11	15	0915		A3E				NKR		RADIO PYONGYANG	QG62an	WIA	VK4TJ
10115,0	1	2016	11	16	1010		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
10115,0	2	2016	11	3	2110		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
10125,0	20	2016	11	28	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
10130,0	20	2016	11	1	0605		VXX						CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
10140,0	8	2016	11	15	0925		A3E				NKR		RADIO PYONGYANG	QG62an	WIA	VK4TJ
10150,0	20	2016	11	5	1950		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14000,0	10	2016	11	23	0655		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14000,0	40	2016	11	11	0800		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14000,0	3	2016	11	4	2240		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14005,0	10	2016	11	25	0945		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14005,0	1	2016	11	8	0830		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14005,0	3	2016	11	7	0830		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14008,8	3	2016	11	18	1030		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14014,0	1	2016	11	22	1015		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14014,2	3	2016	11	11	0000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14024,6	3	2016	11	11	0000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14040,0	20	2016	11	19	0905		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14045,0	3	2016	11	1	0840		J3E/L						CHINESE	QG62an	WIA	VK4TJ
14045,0	1	2016	11	15	0755		F1B						BURSTS	QG62an	WIA	VK4TJ
14048,0	3	2016	11	11	0110		J3E/U				PHL		DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14050,0	2	2016	11	16	2145		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14050,5	3	2016	11	3	2230		J3E/U				PHL		TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14055,8	3	2016	11	22	0905		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14058,0	3	2016	11	15	0750		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14060,8	3	2016	11	15	0750		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14066,5	3	2016	11	2	1940		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14085,0	2	2016	11	24	2320		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14100,0	10	2016	11	21	0235		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14101,0	3	2016	11	10	0940		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14106,0	3	2016	11	22	1020		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
14109,8	3	2016	11	16	1015		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14111,0	1	2016	11	19	0910		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14119,8	3	2016	11	22	1020		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14125,0	10	2016	11	30	0810		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
14130,0	15	2016	11	30	1015		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ

14130,0	10	2016	11	29	0545		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
14135,0	15	2016	11	7	0715		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
14135,0	2	2016	11	23	2230		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14137,0	5	2016	11	11	0735		G1D						CONTINUOUS	QG62an	WIA	VK4TJ
14145,0	2	2016	11	30	0745		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14146,3	3	2016	11	18	0925		J3E/U						ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14157,8	3	2016	11	18	0925		J3E/U						ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14160,0	5	2016	11	7	0715		G1D						BROAD PSK	QG62an	WIA	VK4TJ
14164,4	3	2016	11	30	1015		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14170,0	5	2016	11	11	0735		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14175,0	10	2016	11	8	0835		P0N						OTHR	QG62an	WIA	VK4TJ
14182,5	3	2016	11	16	1020		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14192,0	1	2016	11	22	1020		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
14200,0	10	2016	11	22	<0430-0530>		P0N						OHR In tandem with OHR on 14300kHz	QF22md	WIA	VK3MV
14201,5	5	2016	11	1	0840		G7D						DAILY H24	QG62an	WIA	VK4TJ
14201,5	3	2016	11	13	<2130-2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	11	14	<0600-1030>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2016	11	25	<2200-2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	11	26	<0700-0933>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2016	11	27	<2200-2230>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14201,5	3	2106	11	27	<0745-0900>		G7D				CHN		1 Sec Pulses and data bursts	QF22md	WIA	VK3MV
14214,0		2016	11	10	0945		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
14225,0	10	2016	11	4	2335		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14231,0	3	2016	11	30	1020		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14231,0	3	2016	11	15	0840		J3E/U						CHINESE	QG62an	WIA	VK4TJ
14233,5	3	2016	11	7	0940		J3E/U						BAHASA	QG62an	WIA	VK4TJ
14234,0	3	2016	11	1	1005		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14240,0	10	2016	11	21	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14250,0	10	2016	11	24	0620		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14250,0	3	2016	11	8	0835		J3E/L						ASIAN	QG62an	WIA	VK4TJ

14262,0	3	2016	11	4	1025		J3E/L						ASIAN	QG62an	WIA	VK4TJ
14290,0	10	2016	11	21	0855		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14295,0	8	2016	11	3	0940		A3E				TJK		3RD HARMONIC RADIO TADJIKISTAN	QG62an	WIA	VK4TJ
14305,0	10	2016	11	11	0800		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14310,0	10	2016	11	4	2345		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14315,0	10	2016	11	21	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14318,7	3	2016	11	8	0840		J3E/U						CHINESE FAMILY NET	QG62an	WIA	VK4TJ
14320,0	10	2016	11	29	0210		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14329,0	3	2016	11	4	1030		G7D						DOZENS OF SUBCARRIERS ON CLOSE-SPACED INTERVALS	QG62an	WIA	VK4TJ
14330,0	10	2016	11	7	0815		P0N						OTHR	QG62an	WIA	VK4TJ
14340,0	2	2016	11	1	1025		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14342,0	3	2016	11	7	0750		J3E/U						ASIAN	QG62an	WIA	VK4TJ
14343,0	1	2016	11	7	0750		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14343,0	3	2016	11	6	1020		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
14346,0	3	2016	11	2	1955		J3E/L						ASIAN	QG62an	WIA	VK4TJ
18067,7	3	2016	11	16	1020		J3E/U						ASIAN	QG62an	WIA	VK4TJ
18070,0	2	2016	11	23	0335		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
18124,0	5	2016	11	30	0230		G1D						BROAD PSK	QG62an	WIA	VK4TJ
20999,2	3	2016	11	14	0955		J3E/U						ASIAN	QG62an	WIA	VK4TJ
21000,0	9	2016	11	30	0910		J3E/U						3RD HARMONIC OF YB INTRUDER ON 7030	QG62an	WIA	VK4TJ
21000,0	3	2016	11	3	0020		J3E/U						ASIAN, FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
21021,1	3	2016	11	15	0210		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
21055,0	3	2016	11	30	1005		J3E/L						ASIAN FISHBOATS, ENGINE NOISE	QG62an	WIA	VK4TJ
21056,0	3	2016	11	19	0915		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
21057,2	3	2016	11	14	0200		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
21070,0	2	2016	11	30	0915		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
21090,0	9	2016	11	30	0840		J3E/L						3RD HARMONIC OF YB INTRUDER ON 7030	QG62an	WIA	VK4TJ
21093,7	3	2016	11	19	0915		J3E/U						DAILY, ASIAN	QG62an	WIA	VK4TJ
21100,0	20	2016	11	23	2330		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21113,0	1	2016	11	14	2250		F1B		650				DAILY, IDLING	QG62an	WIA	VK4TJ
21115,0	1	2016	11	30	1020		F1B						PLUS G7D IN BURSTS	QG62an	WIA	VK4TJ
21120,0	20	2016	11	15	0155		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21125,0	10	2016	11	30	0245		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21150,0	10	2016	11	29	0410		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21150,0	20	2016	11	23	2330		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21154,7	3	2016	11	18	0320		J3E/U						CHINESE, NO CALLS – EVER	QG62an	WIA	VK4TJ

21175,0	10	2016	11	28	2330		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21188,7	3	2016	11	30	0855		J3E/U							ASIAN, NO CALLS – EVER	QG62an	WIA	VK4TJ
21195,0	10	2016	11	30	0250		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21205,7	3	2016	11	18	0850		J3E/L							ASIAN, DAILY	QG62an	WIA	VK4TJ
21250,0	10	2016	11	29	0415		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21255,0	10	2016	11	25	0545		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21262,8	3	2016	11	30	0945		J3E/L							ASIAN	QG62an	WIA	VK4TJ
21275,0	20	2016	11	30	0725		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21285,0	10	2016	11	30	0250		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21295,0	10	2016	11	3	0635		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21300,0	10	2016	11	28	0545		P0N	50 PPS						OTHR, BURSTS	QG62an	WIA	VK4TJ
21310,0	40	2016	11	30	0200		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21320,0	10	2016	11	4	0530		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21325,0	10	2016	11	14	0955		P0N							OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21335,0	10	2016	11	28	0545		P0N	50 PPS						OTHR, BURSTS	QG62an	WIA	VK4TJ
21340,0	2	2016	11	24	1005		G7DF							MANPACK RADIO	QG62an	WIA	VK4TJ
21340,0	10	2016	11	7	0710		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21345,0	20	2016	11	30	0725		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21345,0	10	2016	11	25	0710		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21365,0	50	2016	11	30	0925		P0N							OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21370,0	10	2016	11	25	0510		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21390,0	40	2016	11	30	0210		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21390,0	6	2016	11	15	2340		A3E							DAILY, ASIAN	QG62an	WIA	VK4TJ
21395,0	10	2016	11	23	0030		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21400,0	10	2016	11	29	0735		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21405,0	8	2016	11	12	0310		A3E							SW BROADCAST SPURIOUS	QG62an	WIA	VK4TJ
21420,0	10	2016	11	25	0510		P0N							OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
21425,0	50	2016	11	30	0915		P0N							OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21440,0	10	2016	11	17	2335		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ
21442,2	3	2016	11	30	0830		J3E/U							ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
21450,0	20	2016	11	30	0830		P0N							OTHR, BURSTS	QG62an	WIA	VK4TJ

24887,5	8	2016	11	5	0115		F3E						ASIAN	QG62an	WIA	VK4TJ
24905,0	6	2016	11	18	0825		A3E						ASIAN	QG62an	WIA	VK4TJ
24910,0	20	2016	11	4	0520		P0N						OTHR, BURSTS, NO BEEP TONE	QG62an	WIA	VK4TJ
24912,5	8	2016	11	5	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
24925,0	8	2016	11	5	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
24935,0	6	2016	11	1	0720		A3E						ASIAN	QG62an	WIA	VK4TJ
24937,5	8	2016	11	5	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
24950,0	8	2016	11	5	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
24955,0	6	2016	11	18	0820		A3E						ASIAN	QG62an	WIA	VK4TJ
24965,0	6	2016	11	1	0720		A3E						ASIAN	QG62an	WIA	VK4TJ
24975,0	8	2016	11	5	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
24987,5	8	2016	11	11	0350		F3E						ASIAN	QG62an	WIA	VK4TJ
28000,0	8	2016	11	1	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28005,0	6	2016	11	3	0440		A3E						ASIAN	QG62an	WIA	VK4TJ
28012,5	8	2016	11	9	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28015,0	6	2016	11	11	0330		A3E						ASIAN	QG62an	WIA	VK4TJ
28025,0	8	2016	11	1	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28035,0	6	2016	11	11	0140		A3E						ASIAN	QG62an	WIA	VK4TJ
28037,5	8	2016	11	1	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28050,0	8	2016	11	3	0455		F3E						ASIAN	QG62an	WIA	VK4TJ
28055,0	6	2016	11	11	0145		A3E						ASIAN	QG62an	WIA	VK4TJ
28062,5	8	2016	11	1	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28065,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28075,0	8	2016	11	4	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
28085,0	6	2016	11	11	0115		A3E						ASIAN	QG62an	WIA	VK4TJ
28087,5	8	2016	11	9	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28100,0	8	2016	11	1	0100		F3E						ASIAN	QG62an	WIA	VK4TJ
28105,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28112,5	8	2016	11	9	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
28115,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28125,0	8	2016	11	1	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
28135,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28137,5	8	2016	11	4	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
28145,0	6	2016	11	30	0000		A3E						ASIAN	QG62an	WIA	VK4TJ
28145,0	6	2016	11	11	0115		A3E						ASIAN	QG62an	WIA	VK4TJ
28150,0	8	2016	11	1	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28155,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28162,5	8	2016	11	1	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28165,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28175,0	8	2016	11	4	0250		F3E						ASIAN	QG62an	WIA	VK4TJ
28185,0	6	2016	11	11	0115		A3E						ASIAN	QG62an	WIA	VK4TJ
28187,5	8	2016	11	9	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
28195,0	6	2016	11	11	0150		A3E						ASIAN	QG62an	WIA	VK4TJ
28200,0	8	2016	11	4	0255		F3E						ASIAN	QG62an	WIA	VK4TJ

28205,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28212,5	8	2016	11	4	0255		F3E						ASIAN	QG62an	WIA	VK4TJ
28215,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28225,0	8	2016	11	4	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28235,0	6	2016	11	5	0435		A3E						ASIAN	QG62an	WIA	VK4TJ
28237,5	8	2016	11	4	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28245,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28250,0	8	2016	11	1	0120		F3E						ASIAN	QG62an	WIA	VK4TJ
28255,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28260,0	6	2016	11	18	0345		A3E						ASIAN	QG62an	WIA	VK4TJ
28262,5	8	2016	11	4	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28265,0	6	2016	11	5	0250		A3E						ASIAN	QG62an	WIA	VK4TJ
28275,0	8	2016	11	4	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28285,0	6	2016	11	1	0235		A3E						ASIAN	QG62an	WIA	VK4TJ
28287,5	8	2016	11	4	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28295,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28300,0	8	2016	11	4	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28305,0	6	2016	11	1	0240		A3E						ASIAN	QG62an	WIA	VK4TJ
28312,5	8	2016	11	16	0255		F3E						ASIAN	QG62an	WIA	VK4TJ
28315,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28325,0	8	2016	11	1	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
28335,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28337,5	8	2016	11	4	0300		F3E						ASIAN	QG62an	WIA	VK4TJ
28345,0	6	2016	11	1	0125		A3E						ASIAN	QG62an	WIA	VK4TJ
28350,0	8	2016	11	4	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
28355,0	6	2016	11	11	0335		A3E						ASIAN	QG62an	WIA	VK4TJ
28362,5	8	2016	11	17	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28365,0	6	2016	11	11	0155		A3E						ASIAN	QG62an	WIA	VK4TJ
28375,0	8	2016	11	4	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28385,0	6	2016	11	8	0010		A3E						ASIAN	QG62an	WIA	VK4TJ
28387,5	8	2016	11	4	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28400,0	8	2016	11	1	0215		F3E						ASIAN	QG62an	WIA	VK4TJ
28405,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28412,5	8	2016	11	4	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
28415,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28425,0	8	2016	11	4	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28435,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28437,5	8	2016	11	4	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
28450,0	8	2016	11	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28455,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28462,5	8	2016	11	1	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
28465,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28475,0	8	2016	11	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28485,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ

28487,5	8	2016	11	4	0305		F3E						ASIAN	QG62an	WIA	VK4TJ
28500,0	8	2016	11	4	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28505,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28512,5	8	2016	11	16	0500		F3E						ASIAN	QG62an	WIA	VK4TJ
28515,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28525,0	8	2016	11	1	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
28535,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28537,5	8	2016	11	9	0225		F3E						ASIAN	QG62an	WIA	VK4TJ
28550,0	8	2016	11	4	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28555,0	6	2016	11	11	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
28562,5	8	2016	11	9	0315		F3E						ASIAN	QG62an	WIA	VK4TJ
28565,0	6	2016	11	11	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28575,0	8	2016	11	1	0215		F3E						ASIAN	QG62an	WIA	VK4TJ
28585,0	6	2016	11	11	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28587,5	8	2016	11	17	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
28595,0	6	2016	11	11	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28600,0	8	2016	11	1	0215		F3E						ASIAN	QG62an	WIA	VK4TJ
28605,0	6	2016	11	11	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28612,5	8	2016	11	18	0105		F3E						ASIAN	QG62an	WIA	VK4TJ
28615,0	6	2016	11	11	0335		A3E						ASIAN	QG62an	WIA	VK4TJ
28625,0	8	2016	11	1	0210		F3E						ASIAN	QG62an	WIA	VK4TJ
28635,0	6	2016	11	11	0205		A3E						ASIAN	QG62an	WIA	VK4TJ
28637,5	8	2016	11	9	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28645,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28650,0	8	2016	11	1	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28655,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28662,5	8	2016	11	9	0345		F3E						ASIAN	QG62an	WIA	VK4TJ
28665,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28675,0	8	2016	11	1	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28685,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28687,5	8	2016	11	25	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28695,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28700,0	6	2016	11	1	0135		A3E						ASIAN	QG62an	WIA	VK4TJ
28705,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28712,5	8	2016	11	10	0335		F3E						ASIAN	QG62an	WIA	VK4TJ
28715,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28725,0	8	2016	11	1	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28735,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28737,5	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28745,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28750,0	8	2016	11	4	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28755,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ
28762,5	8	2016	11	7	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28765,0	6	2016	11	11	0210		A3E						ASIAN	QG62an	WIA	VK4TJ

28770,0	8	2016	11	25	0350		F3E						ASIAN	QG62an	WIA	VK4TJ
28775,0	8	2016	11	7	0245		F3E						ASIAN	QG62an	WIA	VK4TJ
28785,0	6	2016	11	11	0215		A3E						ASIAN	QG62an	WIA	VK4TJ
28787,5	8	2016	11	8	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28795,0	6	2016	11	12	0130		A3E						ASIAN	QG62an	WIA	VK4TJ
28800,0	8	2016	11	8	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
28805,0	6	2016	11	11	0215		A3E						ASIAN	QG62an	WIA	VK4TJ
28812,5	8	2016	11	6	0430		F3E						ASIAN	QG62an	WIA	VK4TJ
28825,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28837,5	8	2016	11	8	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28850,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28855,0	6	2016	11	13	0335		A3E						ASIAN	QG62an	WIA	VK4TJ
28862,5	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28865,0	6	2016	11	13	0355		A3E						ASIAN	QG62an	WIA	VK4TJ
28875,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28887,5	8	2016	11	7	0230		F3E						ASIAN	QG62an	WIA	VK4TJ
28900,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28905,0	6	2016	11	13	0415		A3E						ASIAN	QG62an	WIA	VK4TJ
28912,5	8	2016	11	7	0225		F3E						ASIAN	QG62an	WIA	VK4TJ
28925,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28937,5	8	2016	11	1	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28950,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28962,5	8	2016	11	8	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
28970,0	50	2016	11	13	0435		P0N				IRN		OTHR	QG62an	WIA	VK4TJ
28975,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
28987,5	8	2016	11	9	0900		F3E						ASIAN	QG62an	WIA	VK4TJ
29000,0	8	2016	11	1	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29012,5	8	2016	11	8	0140		F3E						ASIAN	QG62an	WIA	VK4TJ
29025,0	8	2016	11	7	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
29037,5	8	2016	11	7	0205		F3E						ASIAN	QG62an	WIA	VK4TJ
29050,0	8	2016	11	7	0200		F3E						ASIAN	QG62an	WIA	VK4TJ
29060,0	8	2016	11	5	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
29062,5	8	2016	11	12	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29075,0	8	2016	11	5	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
29087,5	8	2016	11	8	0310		F3E						ASIAN	QG62an	WIA	VK4TJ
29100,0	8	2016	11	1	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
29112,5	8	2016	11	11	0255		F3E						ASIAN	QG62an	WIA	VK4TJ
29125,0	8	2016	11	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
29137,5	8	2016	11	9	0905		F3E						ASIAN	QG62an	WIA	VK4TJ
29150,0	8	2016	11	7	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
29162,5	8	2016	11	7	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
29175,0	8	2016	11	1	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
29187,5	8	2016	11	7	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
29200,0	8	2016	11	5	0640		F3E						ASIAN	QG62an	WIA	VK4TJ

29212,5	8	2016	11	7	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
29225,0	8	2016	11	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
29237,5	8	2016	11	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
29250,0	8	2016	11	4	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29262,5	8	2016	11	7	0130		F3E						ASIAN	QG62an	WIA	VK4TJ
29275,0	8	2016	11	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
29287,5	8	2016	11	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29300,0	8	2016	11	1	0145		F3E						ASIAN	QG62an	WIA	VK4TJ
29312,5	8	2016	11	5	0720		F3E						ASIAN	QG62an	WIA	VK4TJ
29325,0	8	2016	11	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29337,5	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29350,0	8	2016	11	1	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29362,5	8	2016	11	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29375,0	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29387,5	8	2016	11	4	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29400,0	8	2016	11	1	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29412,5	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29425,0	8	2016	11	1	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29437,5	8	2016	11	5	0700		F3E						ASIAN	QG62an	WIA	VK4TJ
29450,0	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29462,5	8	2016	11	5	0700		F3E						ASIAN	QG62an	WIA	VK4TJ
29475,0	8	2016	11	1	0545		F3E						ASIAN	QG62an	WIA	VK4TJ
29487,5	8	2016	11	1	0545		F3E						ASIAN	QG62an	WIA	VK4TJ
29500,0	8	2016	11	1	0330		F3E						ASIAN	QG62an	WIA	VK4TJ
29505,0	6	2016	11	12	0200		A3E						ASIAN	QG62an	WIA	VK4TJ
29512,5	8	2016	11	1	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
29525,0	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29537,5	8	2016	11	5	0645		F3E						ASIAN	QG62an	WIA	VK4TJ
29550,0	8	2016	11	1	0540		F3E						ASIAN	QG62an	WIA	VK4TJ
29562,5	8	2016	11	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29575,0	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29587,5	8	2016	11	7	0125		F3E						ASIAN	QG62an	WIA	VK4TJ
29600,0	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29612,5	8	2016	11	1	0150		F3E						ASIAN	QG62an	WIA	VK4TJ
29625,0	8	2016	11	1	0355		F3E						ASIAN	QG62an	WIA	VK4TJ
29637,5	8	2016	11	1	0525		F3E						ASIAN	QG62an	WIA	VK4TJ
29650,0	1	2016	11	30	0110		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
29650,0	8	2016	11	1	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
29662,5	8	2016	11	1	0340		F3E						ASIAN	QG62an	WIA	VK4TJ
29675,0	8	2016	11	1	0155		F3E						ASIAN	QG62an	WIA	VK4TJ
29687,5	8	2016	11	1	0335		F3E						ASIAN	QG62an	WIA	VK4TJ
29700,0	8	2016	11	1	0155		F3E						ASIAN	QG62an	WIA	VK4TJ

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