



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



January 2017

Titon Dutono, YB3PET

Reports for January 2017 were received from the ARSI, JARL, and WIA

For period of 2017 January there were 20 observations from ARSI, 251 observations from JARL, and also there were 404 observations from WIA. By this month sampling, there were total 675 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
		J3E/U	UNID	SRI LANKAN Fishing Trawler
		A1A	UNID	Continuous signal – Jamming signal
		A3E	CHN	Chainesse talk and music
		PXX	unknown	unknown pulse only PXX
		J3E	INS	Indonesian language
		VXX	UNID	CODAR-like sweeps
2.	30m	VXX	UNID	CODAR-like sweeps
3.	20m	PXX	UNID	OTHR
		PON	UNID	OTHR long bursts
		J3E/U	UNID	SRI LANKAN Fishing Trawler
4.	15m	PON	UNID	OTHR bursts, no beep tone
5.	12m	VXX	UNID	CODAR-like sweeps
6.	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: 20 observations

KHz	BW KHz.	YYYY	MM	DD	UTC	EMM	ADM	ID	DESCRIPTION.	GRID	SOCIETY	EQUIPMENT	ANTENNA
7010	1	2017	01	10	<1230-1240>	J3E/L	INS	UNID	INDONESIAN, NON HAM, 2-OM LONG CHATS, NO ID	MK82	ARSI	FT757GX	INV.VEE; VERT;
7000	1	2017	01	12	<1330-1345>	J3E/L	INS	UNID	INDONESIAN, NON HAM, 2-OM LONG CHATS, NO ID	MK82	ARSI	FT757GX	INV.VEE; VERT;
7005	1	2017	01	16	<1335-1345>	J3E/L	INS	UNID	INDONESIAN, NON HAM, 2-OM LONG CHATS, NO ID	MK82	ARSI	FT757GX	INV.VEE; VERT;
7015		2017	01	16	<1345-1355>	J3E/L	INS	UNID	INDONESIAN, NON HAM, 2-OM LONG CHATS, NO ID	MK82	ARSI	FT757GX	INV.VEE; VERT;
7020		2017	01	18	<1350-1415>	J3E/L	INS	UNID	INDONESIAN, NON HAM, 2-OM LONG CHATS, NO ID	MK82	ARSI	FT757GX	INV.VEE; VERT;
14012		2017	01	08	<0310-0325>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
7021		2017	01	20	<0210-0225>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
7010		2017	01	20	<0215-0235>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
7005		2017	01	20	<0220-0235>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14032		2017	02	04	<1040-1045>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14006		2017	02	05	<0350-0410>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14162,2		2017	02	07	<0230-0240>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14032		2017	02	08	<0540-0558>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14007		2017	02	08	<0620-0630>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
10109,9		2017	02	09	<1235-1245>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
10130		2017	02	09	<1240-1250>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
7014		2017	02	12	<0300-0320>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14014		2017	02	17	<1105-1115>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14040		2017	02	17	<1110-1125>	J3E/U	CLN	UNID	SRI LANKAN FIHSING TRAWLERS	MK82	ARSI	FT757GX	INV.VEE; VERT;
14212	2	2017	02	05	<1245-1250>	J3E/U	UNID	UNID	QSO between 3 OM Language like South Indian ; S4 signal	NL06lu	ARSI	IC-70	Vertical with ATU

JARL: 251 observations

kHz	BW	YYYY	MM	DD	UTC	Emm	Bd	Sft	Hdg	ADM	ID		Grid	Society
3500.5	3.0	2017	01	24	#REF!	A1A						Signal RS:59	PM84XT	JARL
3533.0	0.5	2017	01	11	0,5	A1A						Signal of rhythm	PM84XT	JARL
3770.0	3.0	2016	01	11	12:03-12:14	J3E/L						train of Language:Chinese	PM84XT	JARL
7038	1	2017	01	01	1106	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	01	1208	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	02	1106	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	02	1204	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	03	1104	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	03	1206	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	03	1304	A3E			non	CHN	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	04	1106	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	04	1206	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	04	1306	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	04	1204	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	05	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	06	1204	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	07	1204	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	08	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	09	1204	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	10	1204	A3E			non	non	non	unkown pulse only PXX	PM 97	JARL
7038	1	2017	01	11	1208	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	12	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	13	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	13	1306	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	14	1106	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	15	1104	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	20	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	23	1204	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	4	2017	01	25	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7038	1	2017	01	25	1204	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	27	1104	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	28	1104	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	28	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	30	1104	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	30	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	31	1004	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	31	1108	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7038	1	2017	01	31	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7039	0.5	2017	01	10	1206	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039	0.5	2017	01	12	1204	A1A			15	RUS	M--signal	Beacon	PM 97	JARL
7039.4	0.5	2017	01	24	#REF!	A1A						train of "M"	PM84XT	JARL
7040	1	2017	01	07	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL

7040	1	2017	01	09	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	1	2017	01	10	1208	PXX			non	non	non	unkown pulse only PXX	PM 97	JARL
7040	1	2017	01	23	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7040	1	2017	01	25	1206	PXX			non	non	non	unkown puls only PXX	PM 97	JARL
7048.0	8.0	2017	01	24	#REF!	Jamming						Signal RS:59	PM84XT	JARL
7199.0	5.0	2017	01	24	#REF!	A3E						Program:Voice,Language:Chinese	PM84XT	JARL
7200	5	2017	01	01	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2017	01	01	1100	A3E			non	CHN	non	Chainese talk and music Time signal 3+1	PM 97	JARL
7200	5	2017	01	01	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2017	01	01	1200	A3E			non	CHN	non	Chainese talk and music Time signal 3+1	PM 97	JARL
7200	4	2017	01	01	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2017	01	01	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	4	2017	01	01	1300	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	3	2017	01	01	1300	A3E			non	CHN	non	Chainese talk and music no time signal after QRT	PM 97	JARL
7200	5	2017	01	02	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2017	01	02	1100	A3E			non	CHN	non	Chainese talk and music Time signal 3+1	PM 97	JARL
7200	5	2017	01	02	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	4	2017	01	02	1200	A3E			non	RUS	non	Chainese talk and music Time signal 3+1 after QRT	PM 97	JARL
7200	4	2017	01	02	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2017	01	02	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	4	2017	01	02	1300	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	3	2017	01	02	1300	A3E			non	CHN	non	Chainese talk and music no time signal after QRT	PM 97	JARL
7200	5	2017	01	03	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2017	01	03	1100	A3E			non	CHN	non	Chainese talk and music Time signal 3+1	PM 97	JARL
7200	5	2017	01	03	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	4	2017	01	03	1200	A3E			non	CHN	non	Chainese talk and music Time signal 3+1 after QRT	PM 97	JARL
7200	4	2017	01	03	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2017	01	03	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	4	2017	01	03	1300	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	3	2017	01	03	1300	A3E			non	CHN	non	Chainese talk and music no time signal after QRT	PM 97	JARL
7200	5	2017	01	04	1100	A3E			non	CHN	non	Chainese talk and music Time signal 5+1	PM 97	JARL
7200	4	2017	01	04	1100	A3E			non	CHN	non	Chainese talk and music Time signal 3+1	PM 97	JARL
7200	5	2017	01	04	1200	A3E			non	CHN	non	Chainese talk and music Time signal 5+1 after QRT	PM 97	JARL
7200	4	2017	01	04	1200	A3E			non	CHN	non	Chainese talk and music no time signal after QRT	PM 97	JARL
7200	4	2017	01	04	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL
7200	3	2017	01	04	1200	A3E			non	CHN	non	Chainese talk and music	PM 97	JARL

7200	4	2017	01	12	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	4	2017	01	12	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	12	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	12	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	12	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	5	2017	01	13	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2017	01	13	1200	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	4	2017	01	13	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	13	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	13	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	13	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2017	01	14	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	14	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2017	01	14	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2017	01	14	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	4	2017	01	14	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	14	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	14	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1 after	PM 97	JARL
7200	3	2017	01	14	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal after	PM 97	JARL
7200	5	2017	01	15	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	15	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2017	01	15	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	15	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2017	01	15	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	3	2017	01	15	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2017	01	15	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	15	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2017	01	16	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	16	1100	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	5	2017	01	16	1200	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	16	1200	A3E			non	CHN	non	Chainese talk and music	no time signal	PM 97	JARL
7200	4	2017	01	16	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	16	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	16	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL

7200	4	2017	01	28	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	4	2017	01	28	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	28	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	28	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1 after QRT	PM 97	JARL
7200	3	2017	01	28	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2017	01	29	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2017	01	29	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	4	2017	01	29	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	29	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	29	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	29	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2017	01	30	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	30	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2017	01	30	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2017	01	30	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	4	2017	01	30	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	30	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	30	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	30	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL
7200	5	2017	01	31	1000	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	31	1000	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2017	01	31	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 5+1	PM 97	JARL
7200	4	2017	01	31	1100	A3E			non	CHN	non	Chainese talk and music	Time signal 3+1	PM 97	JARL
7200	5	2017	01	31	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	4	2017	01	31	1200	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 3+1	PM 97	JARL
7200	4	2017	01	31	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	3	2017	01	31	1200	A3E			non	CHN	non	Chainese talk and music		PM 97	JARL
7200	4	2017	01	31	1300	A3E			non	CHN	non	Chainese talk and music after QRT	Time signal 5+1	PM 97	JARL
7200	3	2017	01	31	1300	A3E			non	CHN	non	Chainese talk and music after QRT	no time signal	PM 97	JARL

WIA: 404 observations

Freq kHz	BW	YYYY	MM	DD	GMT	UTC	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society	Notes
3500,0	3	2017	2	9	1920		J3E/U						ASIAN	QG62an	WIA	VK4TJ
3500,0	2	2017	2	27	2000		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3500,5	1	2017	2	2	1955		F1A						DAILY	QG62an	WIA	VK4TJ
3500,5		2017	2	2	1910		N0N						DAILY	QG62an	WIA	VK4TJ
3509,5	1	2017	2	5	2010		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3520,0	3	2017	2	12	2000		J3E/U				JPN		JAPANESE - NO CALLS, EVER	QG62an	WIA	VK4TJ
3540,0	60	2017	2	1	2015		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3544,6		2017	2	1	1755		A1A						NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3550,0	5	2017	2	6	1910		G7D						BURSTS	QG62an	WIA	VK4TJ
3550,0	60	2017	2	16	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3554,0	5	2017	2	11	2010		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3555,0		2017	2	14	1950		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3560,0	60	2017	2	15	2005		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3561,0	1	2017	2	14	1950		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
3585,0	3	2017	2	1	1755		J1C				KOR	HLL2	DAILY, FAX	QG62an	WIA	VK4TJ
3589,0	5	2017	2	6	1910		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3596,0	3	2017	2	1	1755		J1C						WEFAX	QG62an	WIA	VK4TJ
3597,0		2017	2	1	1755		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3601,0	5	2017	2	1	1800		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
3606,0	1	2017	2	2	1915		F1B		250				CONTINUOUS	QG62an	WIA	VK4TJ
3616,5		2017	2	6	1915		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3622,5	3	2017	2	1	1800		J1C				JPN	JMH	DAILY, FAX	QG62an	WIA	VK4TJ
3642,0		2017	2	4	1950		A1A					3A7D	CALLING DKG6	QG62an	WIA	VK4TJ
3650,0	2	2017	2	14	0955		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
3658,0		2017	2	1	1800		A1A				RUS	V	DAILY, BEACON	QG62an	WIA	VK4TJ
3660,0	50	2017	2	9	2000		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3675,0	60	2017	2	5	2010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3676,0	3	2017	2	2	1915		J3E/U				CHN		CHINESE - NO CALLS - EVER	QG62an	WIA	VK4TJ
3678,0		2017	2	11	1930		A1A						MIXED NUMBER/LETTER CIPHER	QG62an	WIA	VK4TJ
3680,0	80	2017	2	16	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3685,0	50	2017	2	1	2015		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3698,0	5	2017	2	1	1800		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3700,0	60	2017	2	15	2005		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3710,0	60	2017	2	2	1915		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3760,0	60	2017	2	1	1755		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3777,0		2017	2	2	1920		A1A					RIS9	CALLING M8JF	QG62an	WIA	VK4TJ
3782,0	5	2017	2	11	1930		G1D						BROAD PSK	QG62an	WIA	VK4TJ
3790,0	50	2017	2	2	1920		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ

3798,0	5	2017	2	24	2015		G7D						RHYTHMIC BURSTS	QG62an	WIA	VK4TJ
3800,0	50	2017	2	1	1010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
3810,0	60	2017	2	5	2010		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7000,0	3	2017	2	20	0925		J4E/U				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7000,0	3	2017	2	1	0835		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2017	2	1	1010		J3E/L				INS		BAHASA MUSIC	QG62an	WIA	VK4TJ
7005,0	3	2017	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7005,0	3	2017	2	9	0930		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2017	2	3	0955		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7010,0	3	2017	2	3	1020		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2017	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7015,0	3	2017	2	3	1010		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7020,0	3	2017	2	1	0835		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7020,0	3	2017	2	9	0940		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7022,0	3	2017	2	24	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7022,6	3	2017	2	27	2005		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7025,0	3	2017	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7025,0	3	2017	2	1	0835		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7030,0	3	2017	2	1	1010		J3E/L				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7030,0	3	2017	2	3	0955		J3E/U				INS		DAILY, VILLAGE RADIO, CHANTING	QG62an	WIA	VK4TJ
7035,0	3	2017	2	1	0840		J3E/L				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7035,0	3	2017	2	3	1000		J3E/U				INS		DAILY, VILLAGE RADIO	QG62an	WIA	VK4TJ
7036,8	3	2017	2	27	0945		J3E/U				INS		VILLAGE RADIO	QG62an	WIA	VK4TJ
7039,2		2017	2	3	0955		A1A				RUS	F	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,3		2017	2	1	0840		A1A				RUS	D	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,3		2017	2	1	0840		A1A				RUS	K	DAILY, BEACON	QG62an	WIA	VK4TJ
7039,4		2017	2	1	0840		A1A				RUS	M	DAILY, BEACON	QG62an	WIA	VK4TJ
7045,0	2	2017	2	6	1010		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7050,0	3	2017	2	16	2000		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7052,0	1	2017	2	16	2000		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
7063,0	5	2017	2	9	2000		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7065,0	2	2017	2	10	2135		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7080,0	2	2017	2	5	2110		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
7080,0	20	2017	2	9	2005		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7089,4	3	2017	2	6	0930		J3E/U						ASIAN FAMILY NET	QG62an	WIA	VK4TJ
7090,0	50	2017	2	2	2035		P0N						LONG BURSTS	QG62an	WIA	VK4TJ
7090,0	40	2017	2	16	2005		VXX						CODAR	QG62an	WIA	VK4TJ
7095,0	3	2017	2	20	0940		J3E/U						ASIAN	QG62an	WIA	VK4TJ
7100,0	3	2017	2	1	1020		J3E/L						ASIAN	QG62an	WIA	VK4TJ
7103,0	1	2017	2	27	1000		F1B		250				BURSTS	QG62an	WIA	VK4TJ
7104,0	1	2017	2	27	1000		F1B						SELCALL TONES	QG62an	WIA	VK4TJ

7105,0	1	2017	2	15	2010		F1B	250				BURSTS	QG62an	WIA	VK4TJ
7106,1	3	2017	2	27	2005		J3E/U					ASIAN FISHBOATS	QG62an	WIA	VK4TJ
7109,0	5	2017	2	1	1750		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7111,1	3	2017	2	4	2000		J3E/U					CHINESE – NO CALLS – EVER	QG62an	WIA	VK4TJ
7112,0	1	2017	2	10	1010		F1B	250				BURSTS	QG62an	WIA	VK4TJ
7114,0	1	2017	2	14	1945		F1B	250				BURSTS	QG62an	WIA	VK4TJ
7118,0	5	2017	2	21	1015		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7120,0	8	2017	2	1	1745		A3E			SOM		RADIO HARGEISA	QG62an	WIA	VK4TJ
7134,0	1	2017	2	4	2000		F1B	250				CONTINUOUS	QG62an	WIA	VK4TJ
7141,0	1	2017	2	8	2105		F1B	250				BURSTS	QG62an	WIA	VK4TJ
7144,0	1	2017	2	20	0740		F1B	250				BURSTS	QG62an	WIA	VK4TJ
7162,0	3	2017	2	19	0915		J3E/U					ASIAN	QG62an	WIA	VK4TJ
7170,0	50	2017	2	15	2010		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7170,0	40	2017	2	6	1920		VXX					CODAR	QG62an	WIA	VK4TJ
7173,2	3	2017	2	27	1000		J3E/U					ASIAN	QG62an	WIA	VK4TJ
7176,0	5	2017	2	20	0940		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7177,4	3	2017	2	1	1020		J3E/U					ASIAN	QG62an	WIA	VK4TJ
7188,0	5	2017	2	9	2005		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
7190,0	3	2017	2	27	1005		J3E/U					ASIAN, SOUNDS KHMER	QG62an	WIA	VK4TJ
7190,0		2017	2	21	1020		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7191,0	3	2017	2	6	0940		J3E/U					ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7193,0	3	2017	2	20	0940		J3E/U					ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
7193,4	3	2017	2	1	1020		J3E/U					ASIAN	QG62an	WIA	VK4TJ
7197,0	5	2017	2	6	0940		G1D					BROAD PSK	QG62an	WIA	VK4TJ
7200,0	10	2017	2	1	1010		A3E			TWN		RADIO TAIWAN INTERNATIONAL	QG62an	WIA	VK4TJ
7200,0	10	2017	2	1	1010		A3E			CHN	CNR1	CHINA NATIONAL RADIO ONE	QG62an	WIA	VK4TJ
7220,0	50	2017	2	14	1950		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
7250,5		2017	2	24	0940		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7254,0		2017	2	6	0950		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7255,0		2017	2	6	0950		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7257,5		2017	2	6	0950		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7261,9		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7265,2		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7267,0		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7268,5		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7270,0		2017	2	20	0950		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7271,5		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7273,4		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7276,5		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7278,5		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7280,0		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ

7281,5		2017	2	1	1025		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7283,0		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7284,5		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7286,0		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7288,5		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7290,0		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7291,5		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7293,0		2017	2	6	0945		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7294,5		2017	2	6	0940		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7296,0		2017	2	6	0940		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
7299,5		2017	2	24	0935		A1A					DITS – JAMMING SIGNAL	QG62an	WIA	VK4TJ
10130,0	20	2017	2	22	0020		VXX					CODAR-LIKE SWEEPS	QG62an	WIA	VK4TJ
10130,0	2	2017	2	14	1900		G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
10130,0	10	2017	2	14	1900		P0N					OTHR – MACHINE GUN SOUND	QG62an	WIA	VK4TJ
10140,0	20	2017	2	11	<2300-2324>		P0N					OHR 50pps	QF22md	WIA	VK3MV
10140,0	10	2017	2	6	1930		VXX					CODAR	QG62an	WIA	VK4TJ
10145,0	15	2017	2	25	2345		P0N					OTHR – MACHINE GUN SOUND	QG62an	WIA	VK4TJ
13990,0	30	2017	2	16	0735		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14001,0	1	2017	2	8	0005		F1B					SELCALL TONES	QG62an	WIA	VK4TJ
14010,0	50	2017	2	14	0845		P0N					OTHR, BURSTS	QG62an	WIA	VK4TJ
14020,0	2	2017	2	10	2210		G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
14020,0	3	2017	2	14	0905		J3E/L					ASIAN FAMILY NET	QG62an	WIA	VK4TJ
14031,0	3	2017	2	22	0835		J3E/U					ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14045,0	1	2017	2	20	1020		F1B	250				BURSTS	QG62an	WIA	VK4TJ
14048,0	3	2017	2	16	2320		J3E/U			PHL		DAILY, TAGALOG SPEAKERS	QG62an	WIA	VK4TJ
14050,0	15	2017	2	6	2255		P0N					OTHR, BURSTS	QG62an	WIA	VK4TJ
14064,0	1	2017	2	6	0840		F1B	250				CONTINUOUS	QG62an	WIA	VK4TJ
14064,8	3	2017	2	23	0905		J3E/U					ASIAN	QG62an	WIA	VK4TJ
14066,0	3	2017	2	13	0950		J3E/U					AFRTS SPUR	QG62an	WIA	VK4TJ
14080,0	2	2017	2	4	2000		G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
14099,0	3	2017	2	22	0835		J3E/U					ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14103,0	3	2017	2	16	0905		J3E/U					ASIAN	QG62an	WIA	VK4TJ
14115,0	20	2017	2	24	0050		P0N					OTHR, BURSTS	QG62an	WIA	VK4TJ
14117,0	5	2017	2	16	0930		G7D					DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14120,0	160	2017	2	27	0555		P0N					OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14130,0	20	2017	2	6	2305		P0N					OTHR, BURSTS	QG62an	WIA	VK4TJ
14140,0	15	2017	2	1	0245		P0N					OTHR, BURSTS	QG62an	WIA	VK4TJ
14150,0	2	2017	2	25	0525		G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
14151,7	3	2017	2	27	0935		J3E/U					ASIAN	QG62an	WIA	VK4TJ
14161,7	3	2017	2	27	0935		J3E/U					ASIAN	QG62an	WIA	VK4TJ
14166,7	3	2017	2	27	0940		J3E/U					ASIAN, FAMILY NET	QG62an	WIA	VK4TJ

14183,0	10	2017	2	2	<0450>		P0N						OHR 66pps 4 sec bursts every 40 secs in tandum with 14311 and 14280	QF22md	WIA	VK3MV
14184,0	1	2017	2	14	0125		F1B						BURSTS	QG62an	WIA	VK4TJ
14185,0	15	2017	2	13	0020		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14192,5	3	2017	2	9	2145		J3E/L						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
14201,5	5	2017	2	5	0825		G7D						RHYTHMIC BURSTS & A1A PLACE-SAVER	QG62an	WIA	VK4TJ
14221,0	1	2017	2	7	0525		F1B		250				IDLING	QG62an	WIA	VK4TJ
14235,0	2	2017	2	22	0845		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14240,0	20	2017	2	28	0930		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14253,0	5	2017	2	7	0655		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
14256,0	1	2017	2	16	0030		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14257,0	8	2017	2	14	<0621 - 0700>		P0N						OHR 50pps	QF22md	WIA	VK3MV
14265,0	1	2017	2	6	0150		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
14270,0	10	2017	2	23	0910		P0N						OTHR, BURSTS, SLOW PULSE RATE	QG62an	WIA	VK4TJ
14280,0	160	2017	2	27	0555		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14280,0	20	2017	2	16	0930		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14285,0	20	2017	2	14	0135		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14290,0	2	2017	2	5	0830		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14290,0	10	2017	2	15	0020		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14295,0	9	2017	2	17	0550		A3E					TJK	3RD HARMONIC OF RADIO TADJIKISTAN	QG62an	WIA	VK4TJ
14295,0	20	2017	2	2	0840		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14308,0	1	2017	2	8	0700		F1B						CONTINUOUS	QG62an	WIA	VK4TJ
14310,0	20	2017	2	1	0240		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14310,0	20	2017	2	21	0730		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
14315,0	20	2017	2	17	0700		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14320,0	20	2017	2	13	0935		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14335,0	20	2017	2	6	0850		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14340,0	2	2017	2	21	0850		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14340,0	2	2017	2	21	0840		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14340,0	20	2017	2	7	0545		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
14350,0	2	2017	2	11	0620		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
14350,0	20	2017	2	9	0150		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
18070,0	20	2017	2	23	0915		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
18075,0	3	2017	2	19	0855		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
18075,4	3	2017	2	1	0310		J3E/U						ASIAN, SOUNDS CHINESE	QG62an	WIA	VK4TJ
18103,0	5	2017	2	27	0915		G7D						DOZENS OF SUBCARRIERS ON CLOSE INTERVALS	QG62an	WIA	VK4TJ
18109,0	1	2017	2	21	0135		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
18130,0	2	2017	2	11	0250		G7DF						MANPACK RADIO	QG62an	WIA	VK4TJ
18131,0	5	2017	2	20	2345		G7D						BURSTS, FOLLOWED BY F1B	QG62an	WIA	VK4TJ

18155,0	20	2017	2	21	0950		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21000,5	3	2017	2	14	0530		J3E/U						TAGALOG OR BAHASA	QG62an	WIA	VK4TJ
21012,0	2	2017	2	27	0200		J3E/L						SOUNDS TAGALOG	QG62an	WIA	VK4TJ
21097,0	1	2017	2	28	0355		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
21125,0	20	2017	2	28	0615		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21150,0	20	2017	2	15	0620		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21155,0	20	2017	2	17	0605		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21170,0	20	2017	2	5	0340		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21180,0	30	2017	2	21	0720		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21230,0	20	2017	2	5	0840		P0N						OTHR, CONTINUOUS	QG62an	WIA	VK4TJ
21255,0	20	2017	2	14	0530		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21260,0	10	2017	2	28	0635		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21270,0	20	2017	2	17	0600		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21290,0	20	2017	2	20	0350		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21315,0	20	2017	2	6	0745		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21320,0	10	2017	2	28	0625		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21330,0	15	2017	2	28	0635		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21350,0	20	2017	2	1	0200		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21355,0	20	2017	2	28	0735		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21370,0	20	2017	2	2	0150		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21375,0	20	2017	2	12	0645		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21380,0	10	2017	2	28	0735		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21380,0	20	2017	2	28	0355		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21390,0	20	2017	2	11	0255		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21395,0	15	2017	2	2	0600		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21415,0	15	2017	2	28	0815		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21420,0	20	2017	2	19	0310		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21430,0	40	2017	2	20	0145		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21435,0	15	2017	2	28	0815		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21435,0	20	2017	2	17	0555		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21440,0	20	2017	2	27	0200		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
21455,0	20	2017	2	7	0335		P0N						OTHR, BURSTS	QG62an	WIA	VK4TJ
24435,0	6	2017	2	24	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
24887,5	8	2017	2	17	0630		F3E						ASIAN	QG62an	WIA	VK4TJ
24900,0	8	2017	2	17	0635		F3E						ASIAN	QG62an	WIA	VK4TJ
24905,0	6	2017	2	25	0000		A3E						ASIAN	QG62an	WIA	VK4TJ
24912,5	8	2017	2	28	0750		F3E						ASIAN	QG62an	WIA	VK4TJ
24925,0	8	2017	2	20	0615		F3E						ASIAN	QG62an	WIA	VK4TJ
24927,0	1	2017	2	13	0315		F1B						SELCALL TONES	QG62an	WIA	VK4TJ
24930,0	40	2017	2	20	0615		VXX						CODAR	QG62an	WIA	VK4TJ
24935,0	6	2017	2	24	0310		A3E						ASIAN	QG62an	WIA	VK4TJ
24945,0	6	2017	2	14	0540		A3E						ASIAN	QG62an	WIA	VK4TJ
24950,0	8	2017	2	2	0625		F3E						ASIAN	QG62an	WIA	VK4TJ
24962,5	8	2017	2	13	0245		F3E						ASIAN	QG62an	WIA	VK4TJ

24975,0	8	2017	2	8	0135		F3E					ASIAN	QG62an	WIA	VK4TJ
24987,5	8	2017	2	3	0840		F3E					ASIAN	QG62an	WIA	VK4TJ
28000,0	8	2017	2	3	0730		F3E					ASIAN	QG62an	WIA	VK4TJ
28005,0	6	2017	2	20	0650		A3E					ASIAN	QG62an	WIA	VK4TJ
28012,5	8	2017	2	17	0130		F3E					ASIAN	QG62an	WIA	VK4TJ
28015,0	6	2017	2	20	0650		A3E					ASIAN	QG62an	WIA	VK4TJ
28025,0	8	2017	2	3	0720		F3E					ASIAN	QG62an	WIA	VK4TJ
28035,0	6	2017	2	24	0445		A3E					ASIAN	QG62an	WIA	VK4TJ
28037,5	8	2017	2	25	0055		F3E					ASIAN	QG62an	WIA	VK4TJ
28050,0	8	2017	2	3	0735		F3E					ASIAN	QG62an	WIA	VK4TJ
28055,0	6	2017	2	22	0635		A3E					ASIAN	QG62an	WIA	VK4TJ
28065,0	6	2017	2	6	0425		A3E					ASIAN	QG62an	WIA	VK4TJ
28075,0	8	2017	2	27	0230		F3E					ASIAN	QG62an	WIA	VK4TJ
28085,0	6	2017	2	24	0450		A3E					ASIAN	QG62an	WIA	VK4TJ
28100,0	8	2017	2	3	0735		F3E					ASIAN	QG62an	WIA	VK4TJ
28105,0	6	2017	2	5	0900		A3E					ASIAN	QG62an	WIA	VK4TJ
28112,5	8	2017	2	25	0105		F3E					ASIAN	QG62an	WIA	VK4TJ
28115,0	6	2017	2	24	0450		A3E					ASIAN	QG62an	WIA	VK4TJ
28125,0	8	2017	2	25	0110		F3E					ASIAN	QG62an	WIA	VK4TJ
28145,0	6	2017	2	22	0420		A3E					ASIAN	QG62an	WIA	VK4TJ
28150,0	8	2017	2	3	0720		F3E					ASIAN	QG62an	WIA	VK4TJ
28165,0	6	2017	2	22	0455		A3E					ASIAN	QG62an	WIA	VK4TJ
28175,0	8	2017	2	3	0550		F3E					ASIAN	QG62an	WIA	VK4TJ
28185,0	6	2017	2	27	0300		A3E					ASIAN	QG62an	WIA	VK4TJ
28187,5	8	2017	2	17	0350		F3E					ASIAN	QG62an	WIA	VK4TJ
28195,0	6	2017	2	24	0415		A3E					ASIAN	QG62an	WIA	VK4TJ
28200,0	8	2017	2	26	0450		F3E					ASIAN	QG62an	WIA	VK4TJ
28205,0	6	2017	2	24	0415		A3E					ASIAN	QG62an	WIA	VK4TJ
28215,0	6	2017	2	27	0300		A3E					ASIAN	QG62an	WIA	VK4TJ
28225,0	8	2017	2	6	0450		F3E					ASIAN	QG62an	WIA	VK4TJ
28235,0	6	2017	2	22	0420		A3E					ASIAN	QG62an	WIA	VK4TJ
28237,5	8	2017	2	3	0600		F3E					ASIAN	QG62an	WIA	VK4TJ
28250,0	8	2017	2	3	0545		F3E					ASIAN	QG62an	WIA	VK4TJ
28255,0	6	2017	2	22	0420		A3E					ASIAN	QG62an	WIA	VK4TJ
28262,5	8	2017	2	26	0300		F3E					ASIAN	QG62an	WIA	VK4TJ
28275,0	8	2017	2	3	0455		F3E					ASIAN	QG62an	WIA	VK4TJ
28285,0	6	2017	2	3	0545		A3E					ASIAN	QG62an	WIA	VK4TJ
28287,5	8	2017	2	26	0305		F3E					ASIAN	QG62an	WIA	VK4TJ
28295,0	6	2017	2	6	0430		A3E					ASIAN	QG62an	WIA	VK4TJ
28300,0	8	2017	2	3	0605		F3E					ASIAN	QG62an	WIA	VK4TJ
28305,0	6	2017	2	3	0515		A3E					ASIAN	QG62an	WIA	VK4TJ
28315,0	6	2017	2	24	0415		A3E					ASIAN	QG62an	WIA	VK4TJ
28325,0	8	2017	2	3	0605		F3E					ASIAN	QG62an	WIA	VK4TJ
28330,0	6	2017	2	3	0605		A3E					ASIAN	QG62an	WIA	VK4TJ

28335,0	6	2017	2	22	0415		A3E						ASIAN	QG62an	WIA	VK4TJ
28350,0	8	2017	2	12	0420		F3E						ASIAN	QG62an	WIA	VK4TJ
28355,0	6	2017	2	6	0525		A3E						ASIAN	QG62an	WIA	VK4TJ
28362,5	8	2017	2	22	0420		F3E						ASIAN	QG62an	WIA	VK4TJ
28365,0	6	2017	2	22	0415		A3E						ASIAN	QG62an	WIA	VK4TJ
28375,0	8	2017	2	14	0545		F3E						ASIAN	QG62an	WIA	VK4TJ
28385,0	6	2017	2	24	0540		A3E						ASIAN	QG62an	WIA	VK4TJ
28387,5	8	2017	2	6	0530		F3E						ASIAN	QG62an	WIA	VK4TJ
28400,0	8	2017	2	4	0745		F3E						ASIAN	QG62an	WIA	VK4TJ
28405,0	6	2017	2	24	0550		A3E						ASIAN	QG62an	WIA	VK4TJ
28412,5	8	2017	2	3	0650		F3E						ASIAN	QG62an	WIA	VK4TJ
28415,0	6	2017	2	24	0415		A3E						ASIAN	QG62an	WIA	VK4TJ
28425,0	8	2017	2	3	0545		F3E						ASIAN	QG62an	WIA	VK4TJ
28437,5	8	2017	2	22	0430		F3E						ASIAN	QG62an	WIA	VK4TJ
28450,0	8	2017	2	3	0605		F3E						ASIAN	QG62an	WIA	VK4TJ
28455,0	6	2017	2	22	0430		A3E						ASIAN	QG62an	WIA	VK4TJ
28465,0	6	2017	2	3	0650		A3E						ASIAN	QG62an	WIA	VK4TJ
28475,0	8	2017	2	6	0400		F3E						ASIAN	QG62an	WIA	VK4TJ
28485,0	6	2017	2	3	0650		A3E						ASIAN	QG62an	WIA	VK4TJ
28487,5	8	2017	2	27	0320		F3E						ASIAN	QG62an	WIA	VK4TJ
28500,0	8	2017	2	3	0740		F3E						ASIAN	QG62an	WIA	VK4TJ
28505,0	6	2017	2	24	0600		A3E						ASIAN	QG62an	WIA	VK4TJ
28525,0	8	2017	2	3	0740		F3E						ASIAN	QG62an	WIA	VK4TJ
28535,0	6	2017	2	22	0415		A3E						ASIAN	QG62an	WIA	VK4TJ
28537,5	8	2017	2	3	0830		F3E						ASIAN	QG62an	WIA	VK4TJ
28550,0	8	2017	2	17	1010		F3E						ASIAN	QG62an	WIA	VK4TJ
28555,0	6	2017	2	3	0740		A3E						ASIAN	QG62an	WIA	VK4TJ
28565,0	6	2017	2	22	0410		A3E						ASIAN	QG62an	WIA	VK4TJ
28575,0	8	2017	2	3	0500		F3E						ASIAN	QG62an	WIA	VK4TJ
28595,0	6	2017	2	24	0420		A3E						ASIAN	QG62an	WIA	VK4TJ
28600,0	8	2017	2	21	0325		F3E						ASIAN	QG62an	WIA	VK4TJ
28615,0	6	2017	2	22	0430		A3E						ASIAN	QG62an	WIA	VK4TJ
28625,0	8	2017	2	12	0555		F3E						ASIAN	QG62an	WIA	VK4TJ
28635,0	6	2017	2	22	0450		A3E						ASIAN	QG62an	WIA	VK4TJ
28637,5	8	2017	2	24	0420		F3E						ASIAN	QG62an	WIA	VK4TJ
28645,0	6	2017	2	22	0410		A3E						ASIAN	QG62an	WIA	VK4TJ
28650,0	8	2017	2	26	0135		F3E						ASIAN	QG62an	WIA	VK4TJ
28675,0	8	2017	2	6	0435		F3E						ASIAN	QG62an	WIA	VK4TJ
28685,0	6	2017	2	3	0540		A3E						ASIAN	QG62an	WIA	VK4TJ
28700,0	8	2017	2	3	0220		F3E						ASIAN	QG62an	WIA	VK4TJ
28705,0	6	2017	2	3	0540		A3E						ASIAN	QG62an	WIA	VK4TJ
28710,0	6	2017	2	14	0545		A3E						ASIAN	QG62an	WIA	VK4TJ
28715,0	6	2017	2	22	0410		A3E						ASIAN	QG62an	WIA	VK4TJ
28725,0	8	2017	2	6	0530		F3E						ASIAN	QG62an	WIA	VK4TJ

28750,0	8	2017	2	3	0745		F3E					ASIAN	QG62an	WIA	VK4TJ
28755,0	6	2017	2	24	0420		A3E					ASIAN	QG62an	WIA	VK4TJ
28765,0	6	2017	2	3	0640		A3E					ASIAN	QG62an	WIA	VK4TJ
28775,0	8	2017	2	14	0545		F3E					ASIAN	QG62an	WIA	VK4TJ
28800,0	8	2017	2	1	0730		F3E					ASIAN	QG62an	WIA	VK4TJ
28825,0	8	2017	2	7	0200		F3E					ASIAN	QG62an	WIA	VK4TJ
28837,5	8	2017	2	25	0400		F3E					ASIAN	QG62an	WIA	VK4TJ
28850,0	8	2017	2	25	0400		F3E					ASIAN	QG62an	WIA	VK4TJ
28862,5	8	2017	2	3	0225		F3E					ASIAN	QG62an	WIA	VK4TJ
28865,0	6	2017	2	3	0750		A3E					ASIAN	QG62an	WIA	VK4TJ
28875,0	8	2017	2	3	0225		F3E					ASIAN	QG62an	WIA	VK4TJ
28887,5	8	2017	2	3	0615		F3E					ASIAN	QG62an	WIA	VK4TJ
28900,0	8	2017	2	3	0750		F3E					ASIAN	QG62an	WIA	VK4TJ
28925,0	8	2017	2	2	0250		F3E					ASIAN	QG62an	WIA	VK4TJ
28937,5	8	2017	2	3	0640		F3E					ASIAN	QG62an	WIA	VK4TJ
28950,0	8	2017	2	6	0320		F3E					ASIAN	QG62an	WIA	VK4TJ
28962,5	8	2017	2	3	0640		F3E					ASIAN	QG62an	WIA	VK4TJ
28975,0	8	2017	2	3	0750		F3E					ASIAN	QG62an	WIA	VK4TJ
28987,5	8	2017	2	25	0355		F3E					ASIAN	QG62an	WIA	VK4TJ
29000,0	8	2017	2	3	0530		F3E					ASIAN	QG62an	WIA	VK4TJ
29012,5	8	2017	2	25	0135		F3E					ASIAN	QG62an	WIA	VK4TJ
29025,0	8	2017	2	12	0540		F3E					ASIAN	QG62an	WIA	VK4TJ
29050,0	8	2017	2	6	0445		F3E					ASIAN	QG62an	WIA	VK4TJ
29062,5	8	2017	2	3	0230		F3E					ASIAN	QG62an	WIA	VK4TJ
29075,0	8	2017	2	17	0340		F3E					ASIAN	QG62an	WIA	VK4TJ
29100,0	8	2017	2	3	0530		F3E					ASIAN	QG62an	WIA	VK4TJ
29112,5	8	2017	2	17	0340		F3E					ASIAN	QG62an	WIA	VK4TJ
29125,0	8	2017	2	3	0425		F3E					ASIAN	QG62an	WIA	VK4TJ
29137,5	8	2017	2	17	0405		F3E					ASIAN	QG62an	WIA	VK4TJ
29150,0	8	2017	2	4	0830		F3E					ASIAN	QG62an	WIA	VK4TJ
29175,0	8	2017	2	1	0730		F3E					ASIAN	QG62an	WIA	VK4TJ
29187,5	8	2017	2	3	0510		F3E					ASIAN	QG62an	WIA	VK4TJ
29200,0	8	2017	2	12	0425		F3E					ASIAN	QG62an	WIA	VK4TJ
29205,0	6	2017	2	4	0925		A3E					ASIAN	QG62an	WIA	VK4TJ
29212,5	8	2017	2	4	0800		F3E					ASIAN	QG62an	WIA	VK4TJ
29225,0	8	2017	2	3	0230		F3E					ASIAN	QG62an	WIA	VK4TJ
29237,5	8	2017	2	25	0245		F3E					ASIAN	QG62an	WIA	VK4TJ
29250,0	8	2017	2	3	0410		F3E					ASIAN	QG62an	WIA	VK4TJ
29275,0	8	2017	2	14	0600		F3E					ASIAN	QG62an	WIA	VK4TJ
29287,5	8	2017	2	3	0635		F3E					ASIAN	QG62an	WIA	VK4TJ
29300,0	8	2017	2	3	0400		F3E					ASIAN	QG62an	WIA	VK4TJ
29312,5	8	2017	2	25	0240		F3E					ASIAN	QG62an	WIA	VK4TJ
29325,0	8	2017	2	25	0235		F3E					ASIAN	QG62an	WIA	VK4TJ
29337,5	8	2017	2	12	0505		F3E					ASIAN	QG62an	WIA	VK4TJ

29350,0	8	2017	2	3	0515		F3E					ASIAN	QG62an	WIA	VK4TJ
29362,5	8	2017	2	3	0345		F3E					ASIAN	QG62an	WIA	VK4TJ
29375,0	8	2017	2	3	0235		F3E					ASIAN	QG62an	WIA	VK4TJ
29385,0	6	2017	2	3	0755		A3E					ASIAN	QG62an	WIA	VK4TJ
29387,5	8	2017	2	3	0515		F3E					ASIAN	QG62an	WIA	VK4TJ
29400,0	8	2017	2	6	0445		F3E					ASIAN	QG62an	WIA	VK4TJ
29412,5	8	2017	2	3	0515		F3E					ASIAN	QG62an	WIA	VK4TJ
29425,0	8	2017	2	3	0335		F3E					ASIAN	QG62an	WIA	VK4TJ
29437,5	8	2017	2	17	0330		F3E					ASIAN	QG62an	WIA	VK4TJ
29450,0	8	2017	2	3	0330		F3E					ASIAN	QG62an	WIA	VK4TJ
29462,5	8	2017	2	25	0235		F3E					ASIAN	QG62an	WIA	VK4TJ
29475,0	8	2017	2	3	0325		F3E					ASIAN	QG62an	WIA	VK4TJ
29487,5	8	2017	2	25	0235		F3E					ASIAN	QG62an	WIA	VK4TJ
29500,0	8	2017	2	6	0805		F3E					ASIAN	QG62an	WIA	VK4TJ
29512,5	8	2017	2	25	0230		F3E					ASIAN	QG62an	WIA	VK4TJ
29525,0	8	2017	2	3	0235		F3E					ASIAN	QG62an	WIA	VK4TJ
29550,0	8	2017	2	3	0810		F3E					ASIAN	QG62an	WIA	VK4TJ
29575,0	8	2017	2	3	0255		F3E					ASIAN	QG62an	WIA	VK4TJ
29585,0	2	2017	2	27	0400		G7DF					MANPACK RADIO	QG62an	WIA	VK4TJ
29600,0	8	2017	2	3	0250		F3E					ASIAN	QG62an	WIA	VK4TJ
29612,5	8	2017	2	25	0150		F3E					ASIAN	QG62an	WIA	VK4TJ
29625,0	8	2017	2	1	0735		F3E					ASIAN	QG62an	WIA	VK4TJ
29637,5	8	2017	2	27	0350		F3E					ASIAN	QG62an	WIA	VK4TJ
29650,0	8	2017	2	3	0240		F3E					ASIAN	QG62an	WIA	VK4TJ
29655,0	6	2017	2	3	0800		A3E					ASIAN	QG62an	WIA	VK4TJ
29662,5	8	2017	2	12	0445		F3E					ASIAN	QG62an	WIA	VK4TJ
29675,0	8	2017	2	3	0240		F3E					ASIAN	QG62an	WIA	VK4TJ
29687,5	8	2017	2	3	0625		F3E					ASIAN	QG62an	WIA	VK4TJ
29700,0	8	2017	2	3	0240		F3E					ASIAN	QG62an	WIA	VK4TJ

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