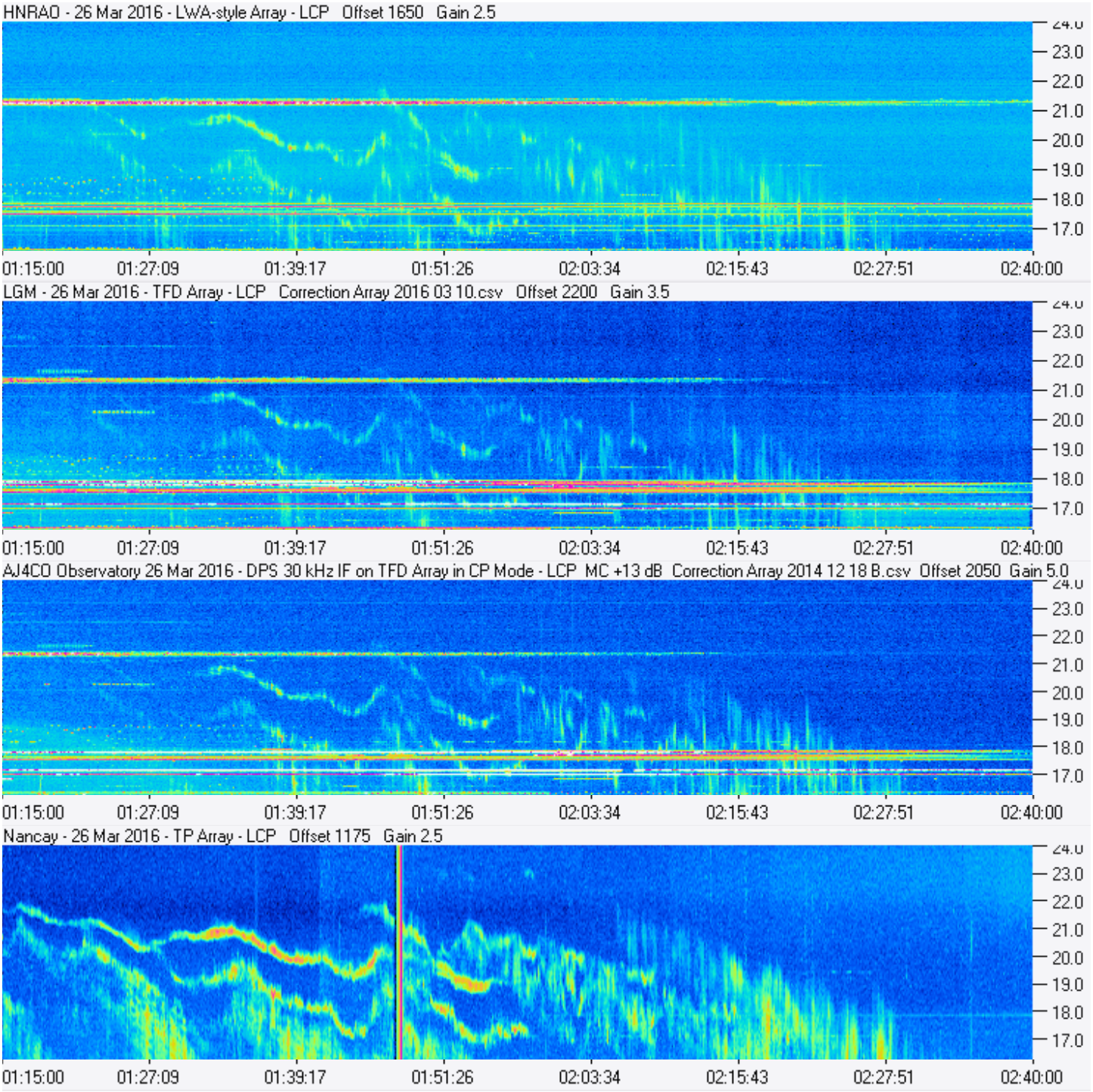
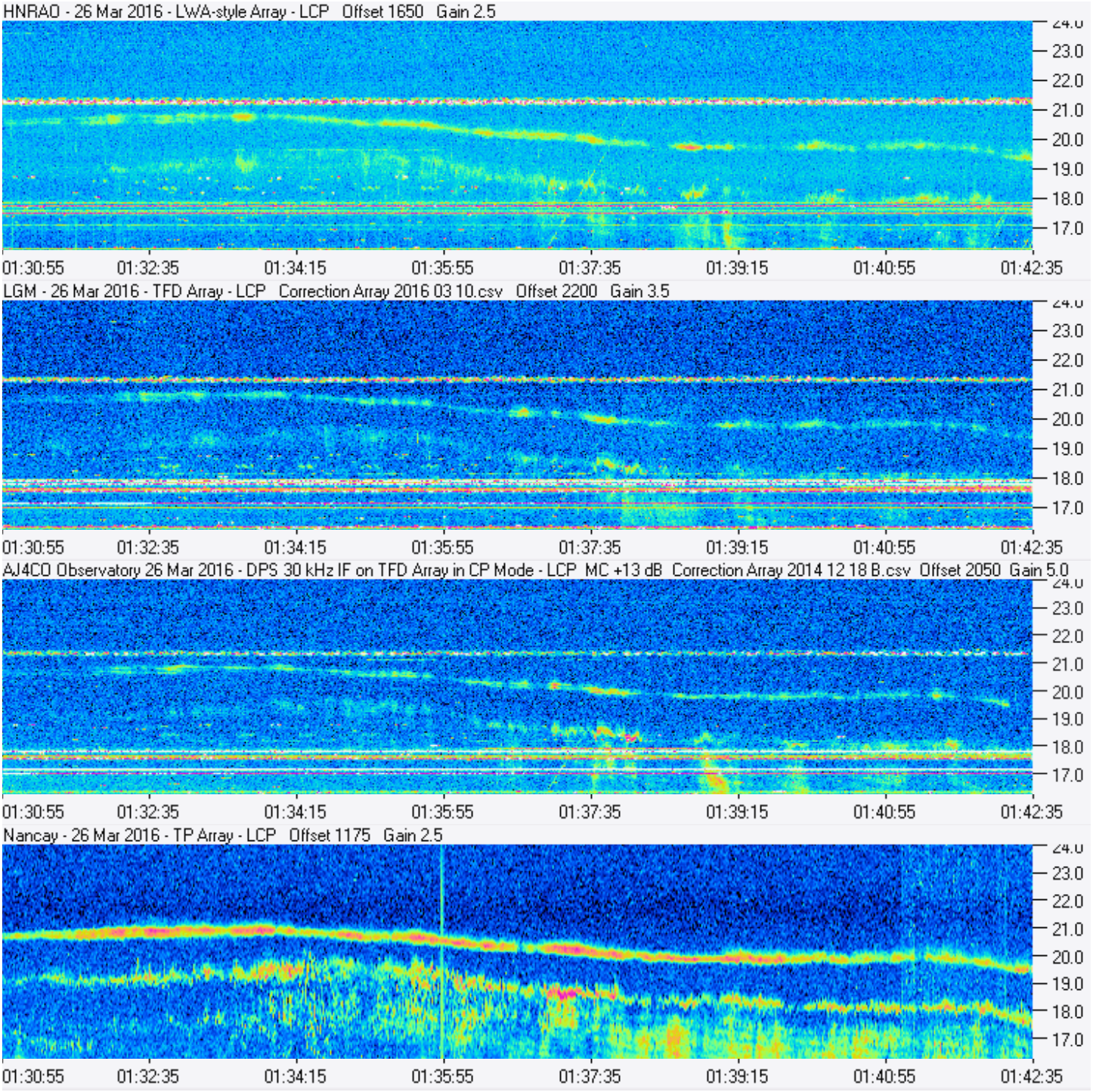
Comparison of Records of the Io-C Storm of 26 Mar 2016

Typinski, April 2016

Overall view, 0115 to 0240 UTC

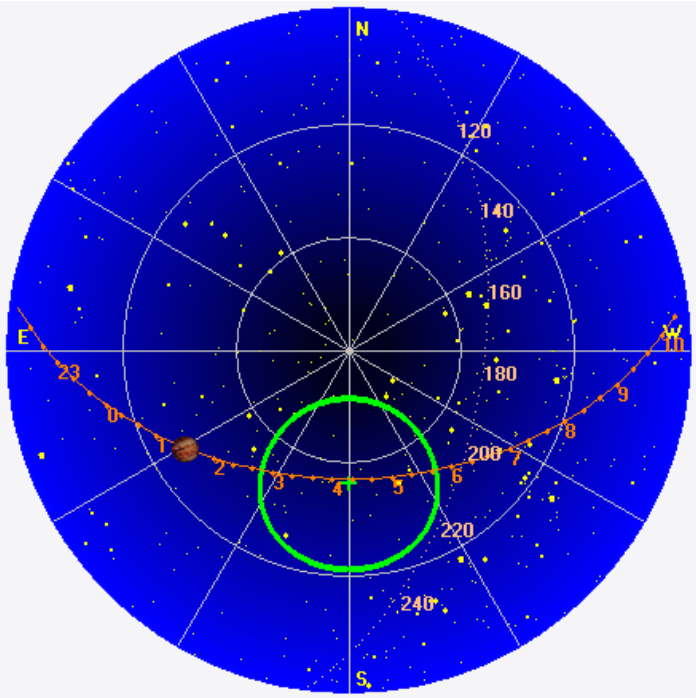


Detail view, 01:30:55 to 01:42:35 UTC

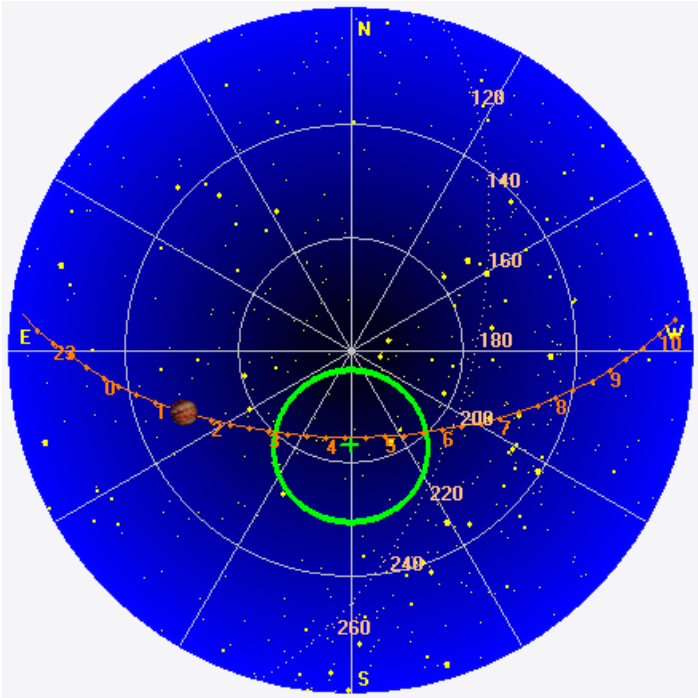


Jupiter Location Relative to Antenna Beams, 0135 UTC

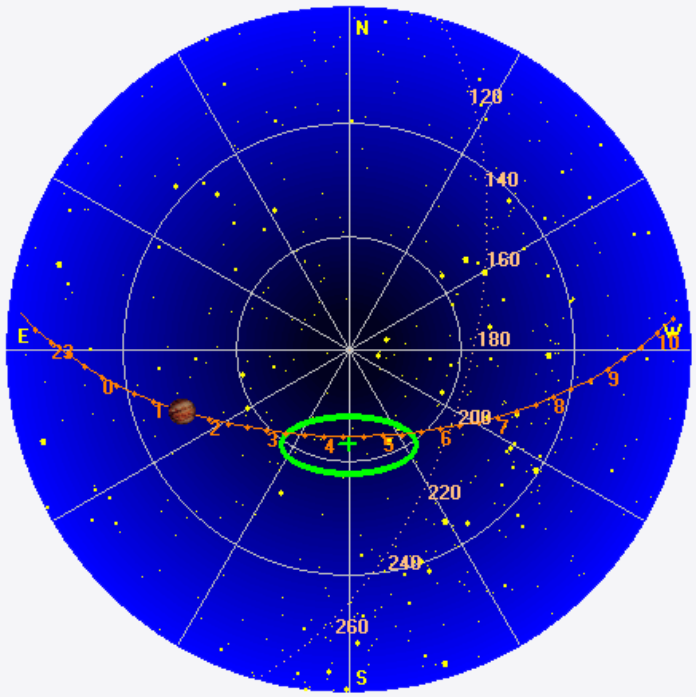
HNRAO



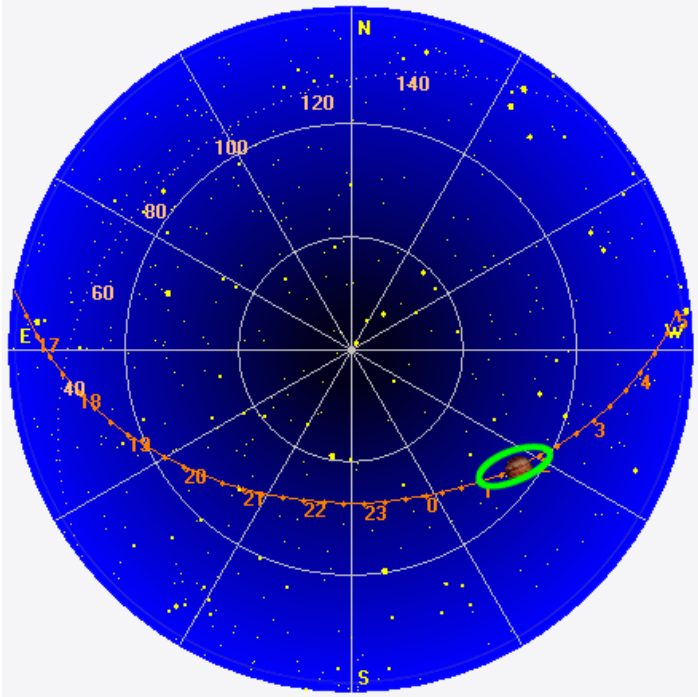
LGM



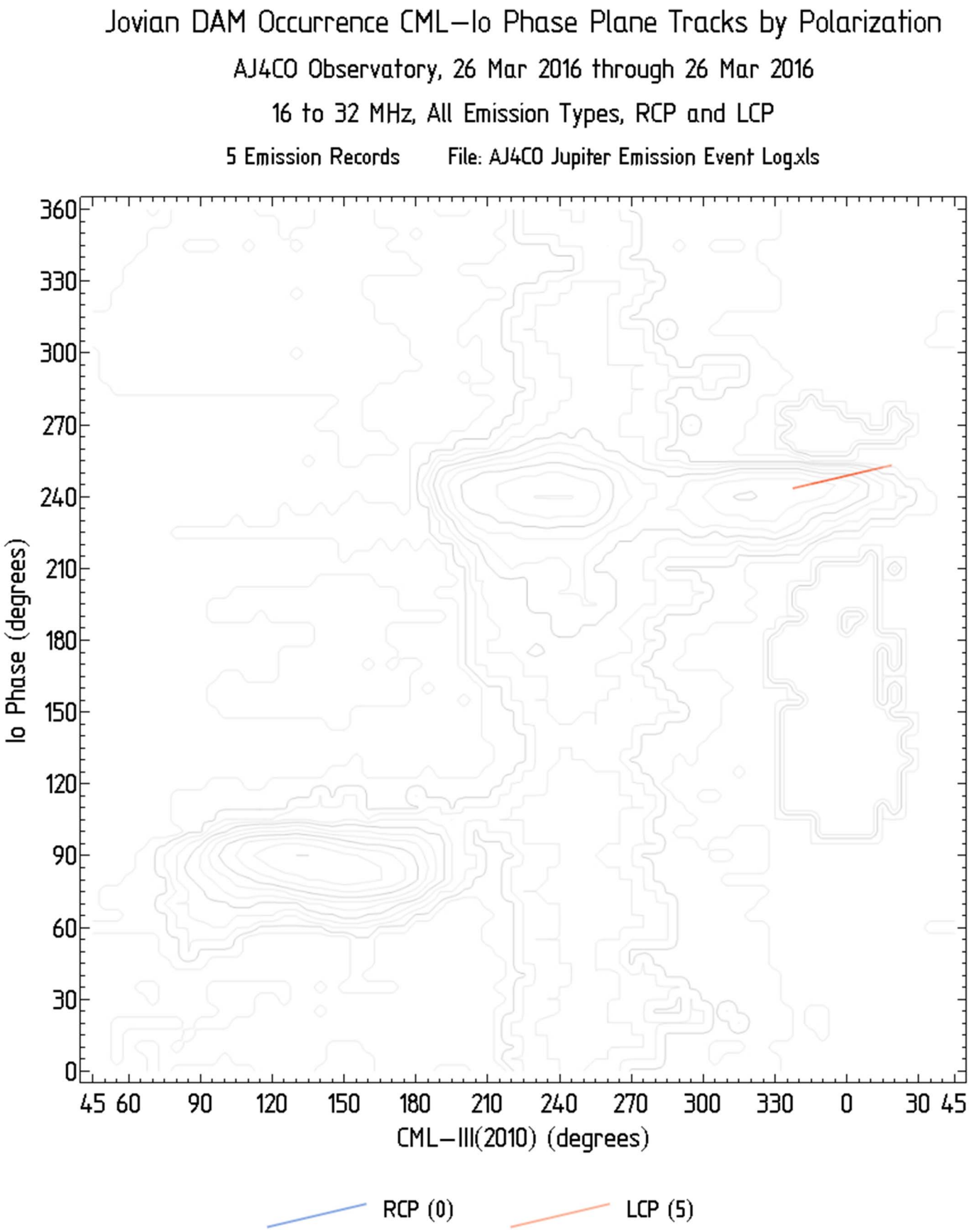
AJ4CO



NDA



CML-Io Phase Plane



Appendix 1

Station details sorted by observatory name

	Station Abbreviation	**AJ4CO**	**HNRAO**	**LGM**	**NDA**
	Contact	**Dave Typinski**	**Jim Brown**	**Wes Greenman**	**Baptiste Cecconi**
	Status	Active	Active	Active	Active
Location	**Observatory Name**	AJ4CO Observatory	Hawk's Nest Radio Astro. Obs.	LGM Radio Alachua	Nancay Decametric Array
	Sation Lat	29° 50' 13" N	40° 40' 23" N	29° 48' 04" N	47° 22' 50" N
	Station Lon	82° 37' 17" W	80° 26' 16" W	82° 27' 32" W	2° 11' 35" E
	Time Zone	UTC-5 EST / UTC-4 EDT	UTC-5 EST / UTC-4 EDT	UTC-5 EST / UTC-4 EDT	UTC+1 HEC / UTC+2 HDEC
	Web Site	None	Link	None	Link
	Station Diagram	Link	Link	Link	unknown
	Diagram Date	31 Oct 2015	07 Jan 2016	18 Jun 2013	unknown
Antenna	**Antenna 1**	TFD Array	LWA-style Array	Square TFD Array	RCP & LCP TP Arrays
	Array Elements	8	8	4	72 RCP + 72 LCP
	Arrangement	Two squares on N-S line	Four crosses in a square array	Square	Square
	Wire Height	9' 2"	8'	9' 2"	unknown
	Ground Plane	Natural	Wire fencing ground screen	Natural	unknown
	Polarization	RCP and LCP	RCP and LCP	RCP and LCP	RCP and LCP
	Beam Steering	Manual	Manual	Manual	Automatic
Spectrographs	**Spectrograph 1**	**DPS**	**FSX-8S**	**FSX-1S**	**Unknown**
	Front End BPF (MHz)	17-33	15-30	15-30 MHz	unknown
	IF BW (kHz)	30	30	30	unknown
	Sweep Rate	2000 chan/sec (fixed)	2000 chan/sec (fixed)	2000 chan/sec (fixed)	unknown
	Observing Range (MHz)	16-32	15-30	15-30	10-40
	Channel Count	300	300	300	400
	Input(s)	RCP, LCP from TFD Array	RCP, LCP from LWA Array	RCP, LCP from TFD Array	RCP, LCP from TP Array
	Dual Channel Method	Correlated	Polarization switching	Polarization Switching	Polarization switching
	ADC Resolution (bits)	12	12	12	8
	Last Calibration Date	Daily	05 Mar 2016	19 Dec 2015	every 4 hours
	Operation Schedule	24 x 7 x 365	24 x 7 x 365	24 x 7 x 365	24 x 7 x 365
	Time Source	GPS-NTP-Pi (hardware)	Internet Time Server Pool	Internet Time Server Pool	unknown
	Tming Software	Meinberg NTP Client	Meinberg NTP Client	Meinberg NTP Client	unknown