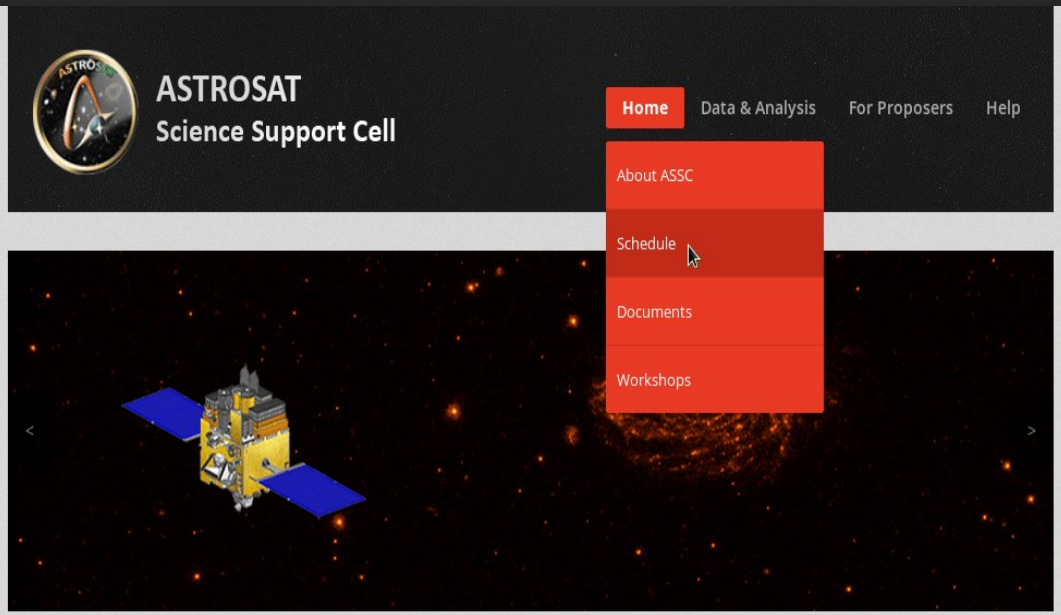
ASTROSAT WORKSHOP 2017

GO TO LINK - http://astrosat-ssc.iucaa.in/



Home

Target of opportunity data release

A preliminary release of Target of Opportunity data will now be available for a limited duration immediately after the observation via the **ISSDC GADS web service** pending the return of vetted products from the POC. The vetted products, once returned, will be released via the regular **AstroBrowse site.**

Two years of AstroSat

On 28 Sep 2017 AstroSat completed two years of operation.

To commemorate the event a two-day science meeting was held at ISRO Head Quarters, Bengaluru, on 26th and 27th September, 2017. Science results presented included studies of stars, star clusters, galaxies, active galactic nuclei, planetary nebulae, supernova remnants, compact stars and gamma ray bursts among others. Various aspects of mission operations and ideas of future missions were also discussed. A

Recent updates

AstroSat Measures Polarization of the Crab Pulsar New!

ASTROSAT SSM Data release

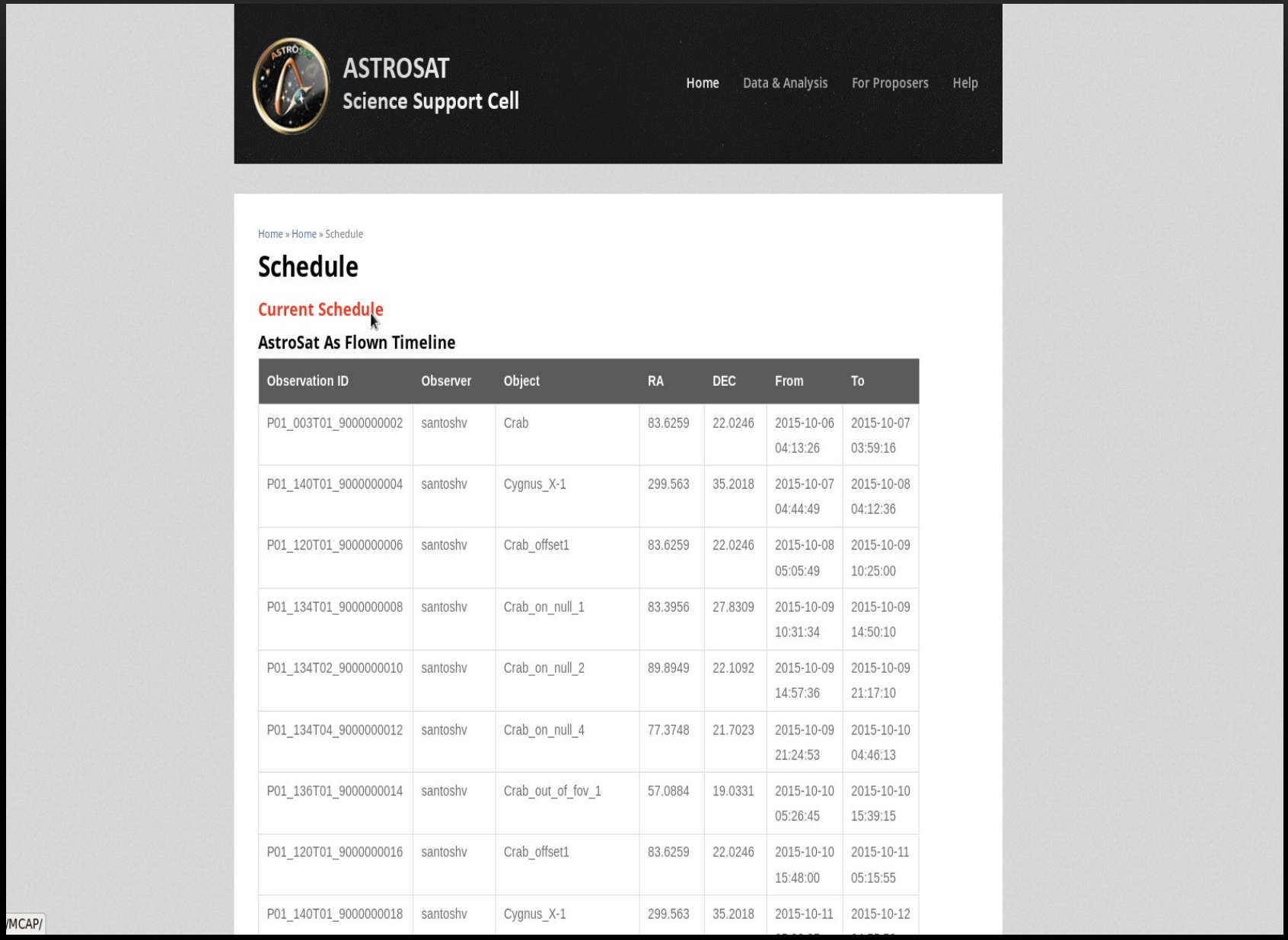
AstroSat contributes to the saga of Gravitational Wave Astronomy

CZTI pipeline release version V2.0, 6th Oct 2017

Astrosat Pic Of The Month

LAXPC Individual routines software has now been updated to include more features like Dynamic power

CURRENT SCHEDULE OPTION



ASTROSAT
Science Support Cell

Home | Data & Analysis | For Proposers | Help

Home » Home » Schedule

Schedule

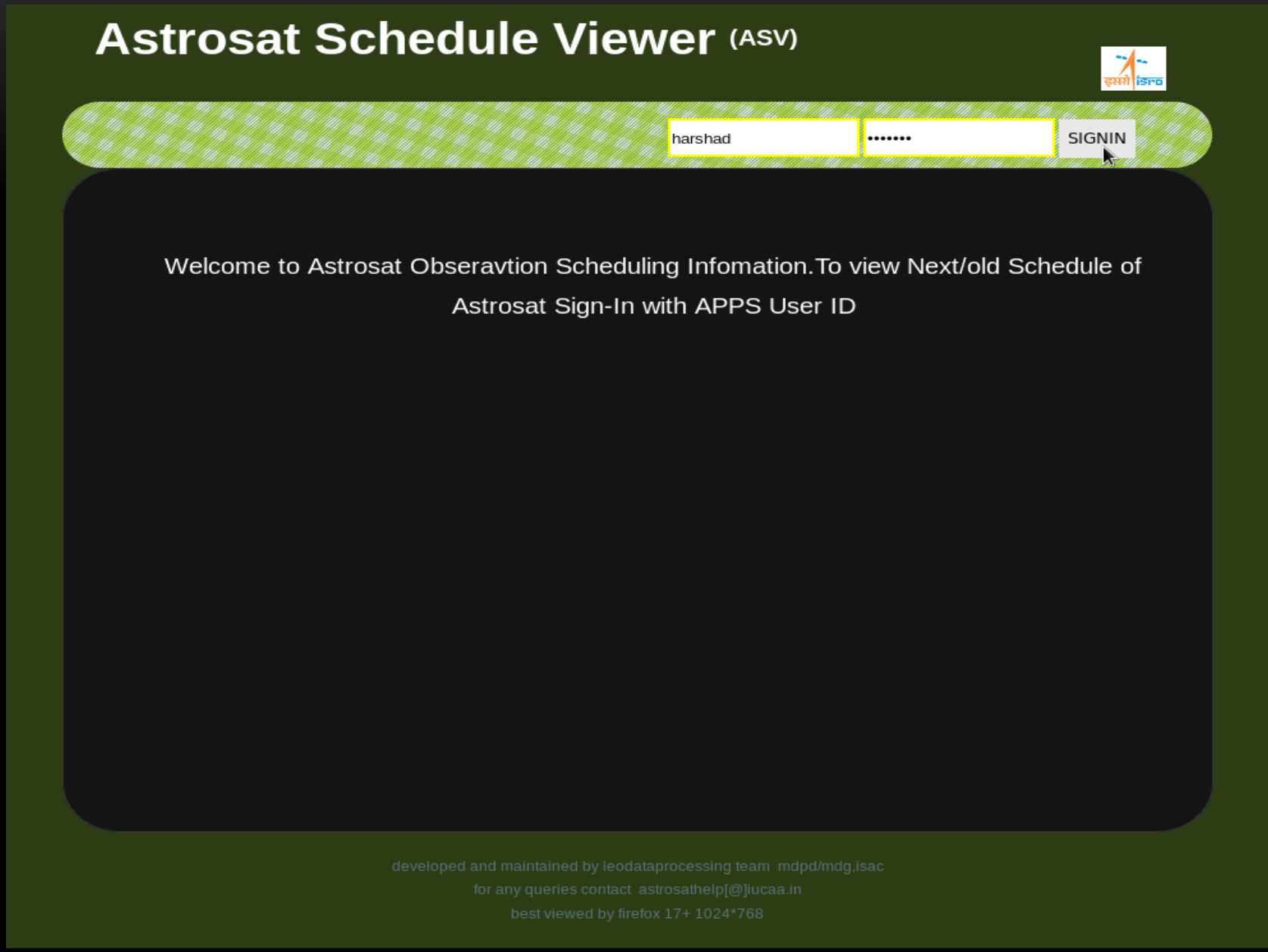
Current Schedule

AstroSat As Flown Timeline

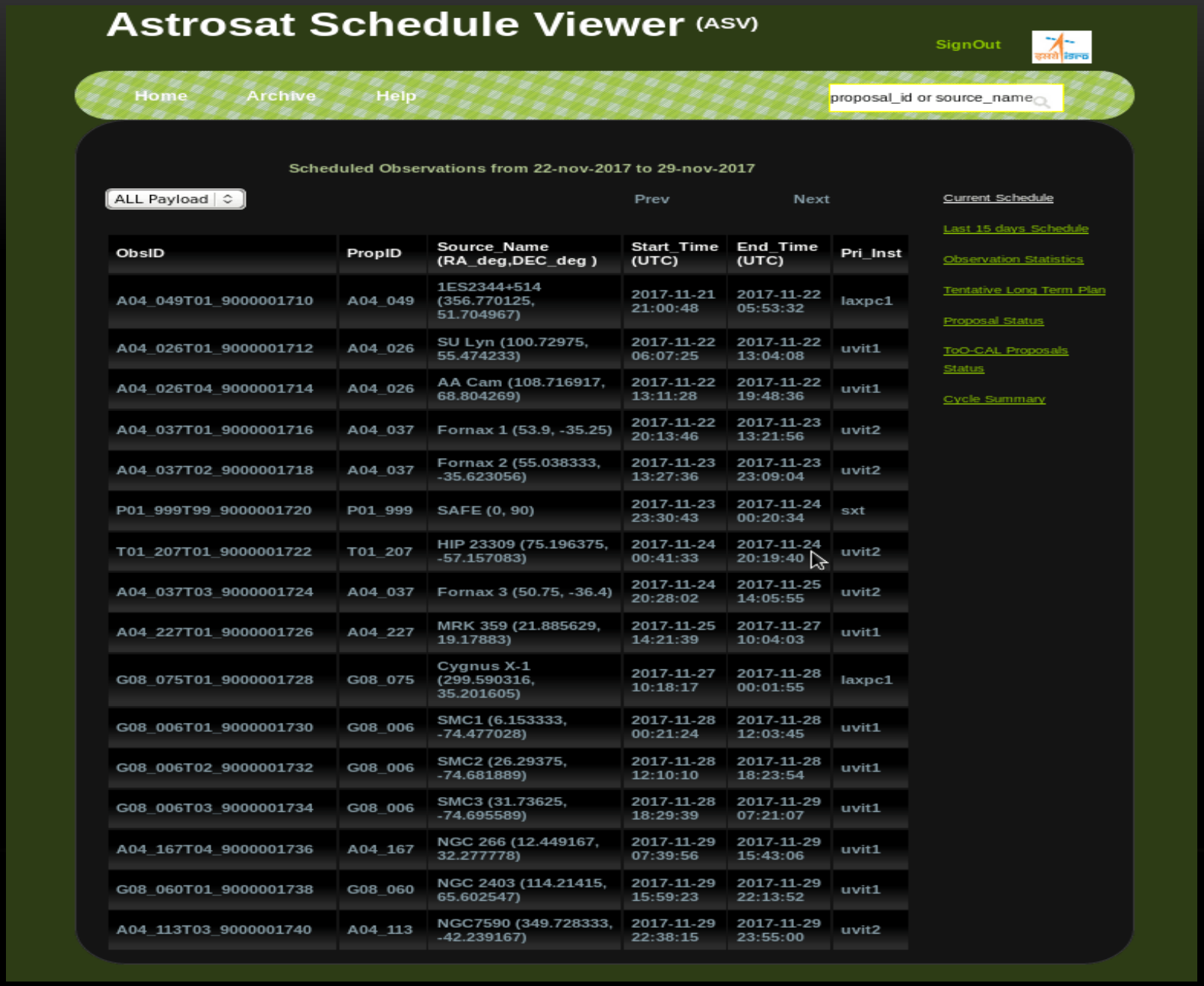
Observation ID	Observer	Object	RA	DEC	From	To
P01_003T01_9000000002	santoshv	Crab	83.6259	22.0246	2015-10-06 04:13:26	2015-10-07 03:59:16
P01_140T01_9000000004	santoshv	Cygnus_X-1	299.563	35.2018	2015-10-07 04:44:49	2015-10-08 04:12:36
P01_120T01_9000000006	santoshv	Crab_offset1	83.6259	22.0246	2015-10-08 05:05:49	2015-10-09 10:25:00
P01_134T01_9000000008	santoshv	Crab_on_null_1	83.3956	27.8309	2015-10-09 10:31:34	2015-10-09 14:50:10
P01_134T02_9000000010	santoshv	Crab_on_null_2	89.8949	22.1092	2015-10-09 14:57:36	2015-10-09 21:17:10
P01_134T04_9000000012	santoshv	Crab_on_null_4	77.3748	21.7023	2015-10-09 21:24:53	2015-10-10 04:46:13
P01_136T01_9000000014	santoshv	Crab_out_of_fov_1	57.0884	19.0331	2015-10-10 05:26:45	2015-10-10 15:39:15
P01_120T01_9000000016	santoshv	Crab_offset1	83.6259	22.0246	2015-10-10 15:48:00	2015-10-11 05:15:55
P01_140T01_9000000018	santoshv	Cygnus_X-1	299.563	35.2018	2015-10-11	2015-10-12

/MCAP/

STATUS VIEWER



CURRENT SCHEDULE OBSERVATIONS



ObsID	PropID	Source_Name (RA_deg,DEC_deg)	Start_Time (UTC)	End_Time (UTC)	Pri_Inst
A04_049T01_9000001710	A04_049	1ES2344+514 (356.770125, 51.704967)	2017-11-21 21:00:48	2017-11-22 05:53:32	laxpc1
A04_026T01_9000001712	A04_026	SU Lyn (100.72975, 55.474233)	2017-11-22 06:07:25	2017-11-22 13:04:08	uvit1
A04_026T04_9000001714	A04_026	AA Cam (108.716917, 68.804269)	2017-11-22 13:11:28	2017-11-22 19:48:36	uvit1
A04_037T01_9000001716	A04_037	Fornax 1 (53.9, -35.25)	2017-11-22 20:13:46	2017-11-23 13:21:56	uvit2
A04_037T02_9000001718	A04_037	Fornax 2 (55.038333, -35.623056)	2017-11-23 13:27:36	2017-11-23 23:09:04	uvit2
P01_999T99_9000001720	P01_999	SAFE (0, 90)	2017-11-23 23:30:43	2017-11-24 00:20:34	sxt
T01_207T01_9000001722	T01_207	HIP 23309 (75.196375, -57.157083)	2017-11-24 00:41:33	2017-11-24 20:19:40	uvit2
A04_037T03_9000001724	A04_037	Fornax 3 (50.75, -36.4)	2017-11-24 20:28:02	2017-11-25 14:05:55	uvit2
A04_227T01_9000001726	A04_227	MRK 359 (21.885629, 19.17883)	2017-11-25 14:21:39	2017-11-27 10:04:03	uvit1
G08_075T01_9000001728	G08_075	Cygnus X-1 (299.590316, 35.201605)	2017-11-27 10:18:17	2017-11-28 00:01:55	laxpc1
G08_006T01_9000001730	G08_006	SMC1 (6.153333, -74.477028)	2017-11-28 00:21:24	2017-11-28 12:03:45	uvit1
G08_006T02_9000001732	G08_006	SMC2 (26.29375, -74.681889)	2017-11-28 12:10:10	2017-11-28 18:23:54	uvit1
G08_006T03_9000001734	G08_006	SMC3 (31.73625, -74.695589)	2017-11-28 18:29:39	2017-11-29 07:21:07	uvit1
A04_167T04_9000001736	A04_167	NGC 266 (12.449167, 32.277778)	2017-11-29 07:39:56	2017-11-29 15:43:06	uvit1
G08_060T01_9000001738	G08_060	NGC 2403 (114.21415, 65.602547)	2017-11-29 15:59:23	2017-11-29 22:13:52	uvit1
A04_113T03_9000001740	A04_113	NGC7590 (349.728333, -42.239167)	2017-11-29 22:38:15	2017-11-29 23:55:00	uvit2

PROPOSAL STATUS

Astrosat Schedule Viewer (ASV)

SignOut

Home Archive Help

A04_022

Matches Found in the DB

ProposalID	SourceName (RA_2000,DEC_2000)	Pri_Inst	Proposal_Type	Requested ObsTime	Status
A04_022	M31 Field No. 12 (0 47 41.34, 41 51 30.53)	uvit1	Regular Pointing	16000	Yet to be Scheduled
A04_022	M31 Field No. 13 (0 46 22.88, 41 32 09.42)	uvit1	Regular Pointing	16000	Yet to be Scheduled
A04_022	M31 Field No. 11 (0 44 44.39, 42 15 30.58)	uvit1	Regular Pointing	16000	Complete
A04_022	M31 Field No. 10 (0 43 20.03, 41 55 59.65)	uvit1	Regular Pointing	16000	Complete
A04_022	M31 Field No. 9 (0 46 52.70, 42 12 12.40)	uvit1	Regular Pointing	16000	Available in Current Schedule
A04_022	M31 Field No. 8 (0 45 27.20, 41 52 58.89)	uvit1	Regular Pointing	16000	Partially Scheduled

Current Schedule

Last 15 days Schedule

Observation Statistics

Tentative Long Term Plan

Proposal Status

ToO-CAL Proposals Status

Cycle Summary

Developed and Maintained by LEODataProcessing Team MDPD/MDG,ISAC

for any queries contact astrosathelp[@]iucaa.in

best viewed by firefox 17+ 1024*768

CZTI DQR PAGE

LINK- http://www.iucaa.in/~astrosat/czti_dqr/

ASTROSAT CZTI

Orbit-wise Data Quality Report

Last updated on: 2017-11-22T08:21:10.437800

Switch to: Orbit-wise | Merged OBSID-wise | Merged processing logs | Problem pages | Pixel enable/disable history | Module threshold history

Click on any table heading to sort by that column

Show 100 entries

Search:

Folder	OBSID	Observer	Object	RA	Dec	Exposure time	Date/time start	Date/time end
20171108_A04_054T02_9000001674_level2_11438	A04_054T02_9000001674	bhargavi.sg	HD12746	31.155	-18.01861	4064.75867744	2017-11-08 18:43:14	2017-11-08 20:58:35
20171108_A04_054T02_9000001674_level2_11436	A04_054T02_9000001674	bhargavi.sg	HD12746	31.155	-18.01861	1935.51861491	2017-11-08 18:06:49	2017-11-08 19:25:35
20171108_A04_054T02_9000001674_level2	A04_054T02_9000001674	bhargavi.sg	HD12746	31.155	-18.01861	4463.01128613	2017-11-08 18:06:49	2017-11-08 20:58:35
20171108_G08_010T01_9000001672_level2_11436	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	2588.34764117	2017-11-08 17:08:14	2017-11-08 17:59:00
20171108_G08_010T01_9000001672_level2_11435	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	5174.66554799	2017-11-08 15:31:34	2017-11-08 17:43:10
20171108_G08_010T01_9000001672_level2_11434	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	5300.00677948	2017-11-08 13:52:54	2017-11-08 16:00:11
20171108_G08_010T01_9000001672_level2_11433	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	4592.20466653	2017-11-08 12:13:21	2017-11-08 14:08:31
20171108_G08_010T01_9000001672_level2_11432	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	4342.69923826	2017-11-08 10:00:11	2017-11-08 12:26:22
20171108_G08_010T01_9000001672_level2_11431	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	3864.17602468	2017-11-08 08:26:34	2017-11-08 10:42:01
20171108_G08_010T01_9000001672_level2_11429	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	3324.39753101	2017-11-08 06:46:34	2017-11-08 08:57:42
20171108_G08_010T01_9000001672_level2	G08_010T01_9000001672	jmurthy	ngc 253	11.888	-25.28822	23956.2913902	2017-11-08 06:46:34	2017-11-08 17:59:00

BASIC INFORMATION

Report sections: Obs info | Basic stats | L1 data integrity | Saturation | Noise dom frac | Top noisy pixels | DPH | Count rate + images | HK plots

ASTROSAT CZTI

Data Quality Report

Orbit 10655

Creation date: 2017-09-17T07:20:50.787546

Switch to: Orbit-wise | Merged OBSID-wise

web.py, SVN revision $Rev: 1121 $

Source files: Data quality report (detailed, human readable) | Data quality report (concise, machine readable)

Observation information

^TOP

- **date-obs**: 2017-09-16
- **time-obs**: 22:41:34.585000000
- **date-end**: 2017-09-17
- **time-end**: 01:00:46.578700000
- **obs_id**: T01_191T01_9000001536
- **exposure**: 3446.71049657
- **sourceid**: MAXIJ1535-571
- **observer**: mithunnps
- **ra_pnt**: 233.8322
- **dec_pnt**: -57.23003

Basic statistics of files

^TOP

Param	Original file	Final file
Filename	modeM0/AS1T01_191T01_9000001536_10655cztM0_level2.evt	modeM0/AS1T01_191T01_9000001536_10655cztM0_level2_quad_clean.evt
Size (bytes)	521,461,440	84,245,760
Size	497.3 MB	80.3 MB
Events in quadrant A	3,992,472	527,854
Events in quadrant B	4,272,004	525,339
Events in quadrant C	3,071,419	538,499
Events in quadrant D	4,013,796	504,070

Level1 data integrity

Mode M9			
Quadrant	**BADHDUFLAG**	**Total packets**	**Discarded packets**
A	0	18	0
B	0	18	0
C	0	18	0
D	0	19	0

Mode SS			
Quadrant	**BADHDUFLAG**	**Total packets**	**Discarded packets**
A	0	132	0
B	0	132	0
C	0	132	0
D	0	132	0

Mode M0			
Quadrant	**BADHDUFLAG**	**Total packets**	**Discarded packets**
A	0	16104	3
B	0	16949	2
C	0	13531	2
D	0	16281	2

Data saturation

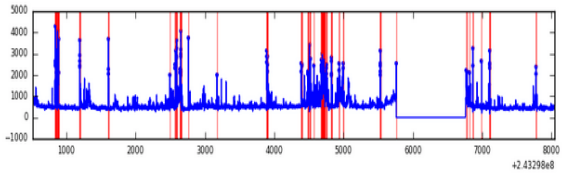
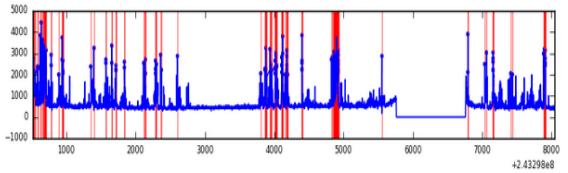
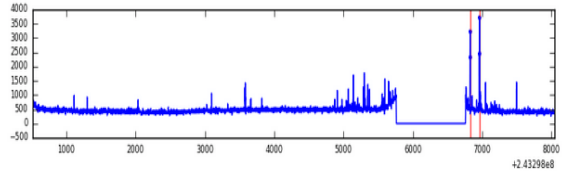
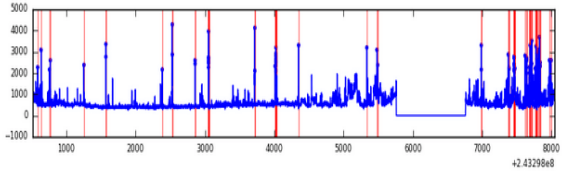
Quadrant	Total seconds	Saturated seconds	Saturation percentage
A	6528	204	3.125000%
B	6528	299	4.580270%
C	6528	19	0.291054%
D	6528	98	1.501225%

NOISE DISPLAY QUADRANT WISE

^TOP

Noise dominated fraction

Noise dominated data is calculated using 1-second bins in **cleaned** event files. If a bin has >2000 counts, and if more than 50% of those come from <1% of pixels, then it is considered to be noise-dominated and hence unusable.

Quadrant	# 1 sec bins	Bins with >0 counts	Bins with >2000 counts	High rate bins dominated by noise	Noise dominated (total time)	Noise dominated (detector-on time)	Marked lightcurve
A	7528	6528	121	121	1.61%	1.85%	
B	7528	6529	166	166	2.21%	2.54%	
C	7528	6529	4	4	0.05%	0.06%	
D	7528	6529	76	76	1.01%	1.16%	

COUNTS AND MEAN-MEDIAN

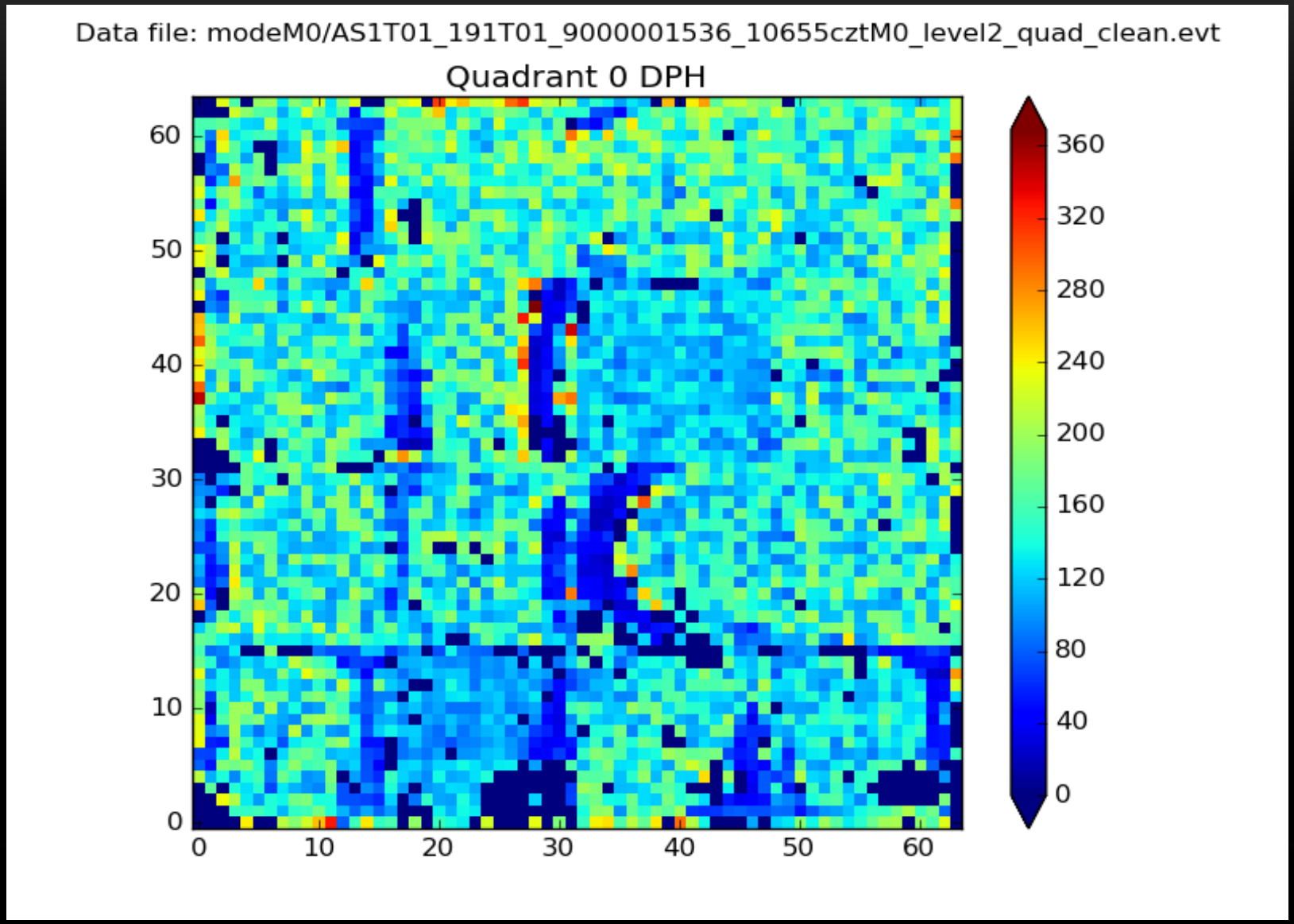
Top noisy pixels

^TOP

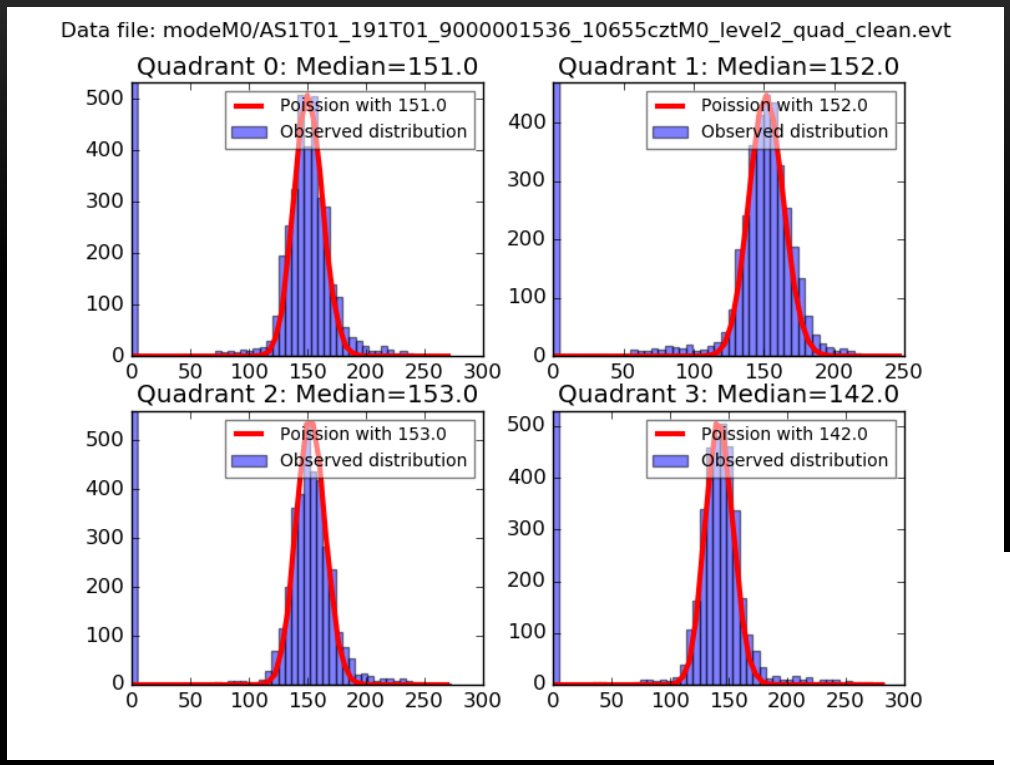
Top three noisy pixels from each quadrant. If the there are fewer than three noisy pixels in the level2.evt file, extra rows are filled as -1

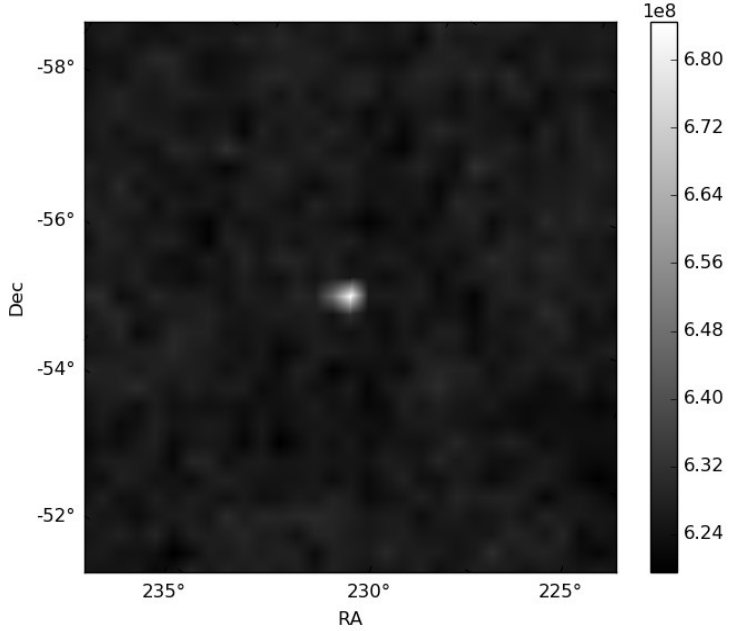
Pixel properties					Quadrant properties		
Quadrant	DetID	PixID	Counts	Sigma	Mean	Median	Sigma
A	15	239	734424	4590.92	777	763	159.8
A	15	223	139285	866.81	777	763	159.8
A	1	162	37237	228.24	777	763	159.8
B	4	239	1164321	7857.42	776	758	148.1
B	0	214	54741	364.54	776	758	148.1
B	12	111	15252	97.88	776	758	148.1
C	4	254	96927	550.61	759	768	174.6
C	4	175	10008	52.91	759	768	174.6
C	13	61	5703	28.26	759	768	174.6
D	14	34	438538	2397.56	748	729	182.6
D	1	20	399014	2181.11	748	729	182.6
D	8	195	136144	741.57	748	729	182.6

HISTOGRAM QUADRANT WISE

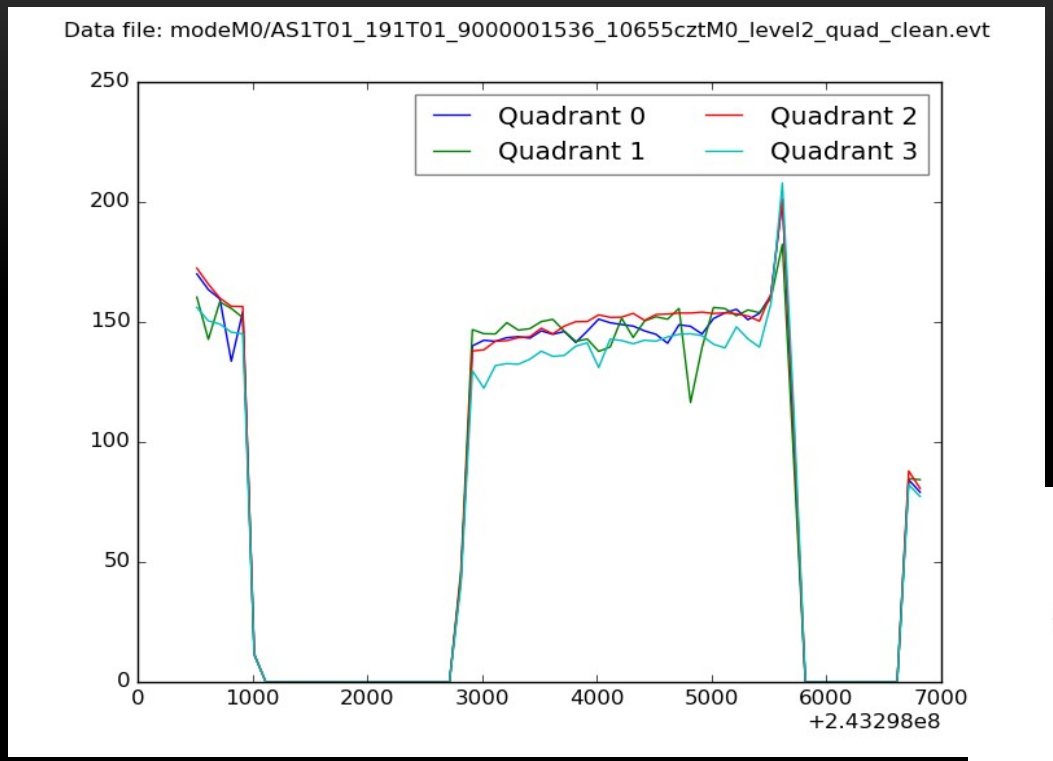


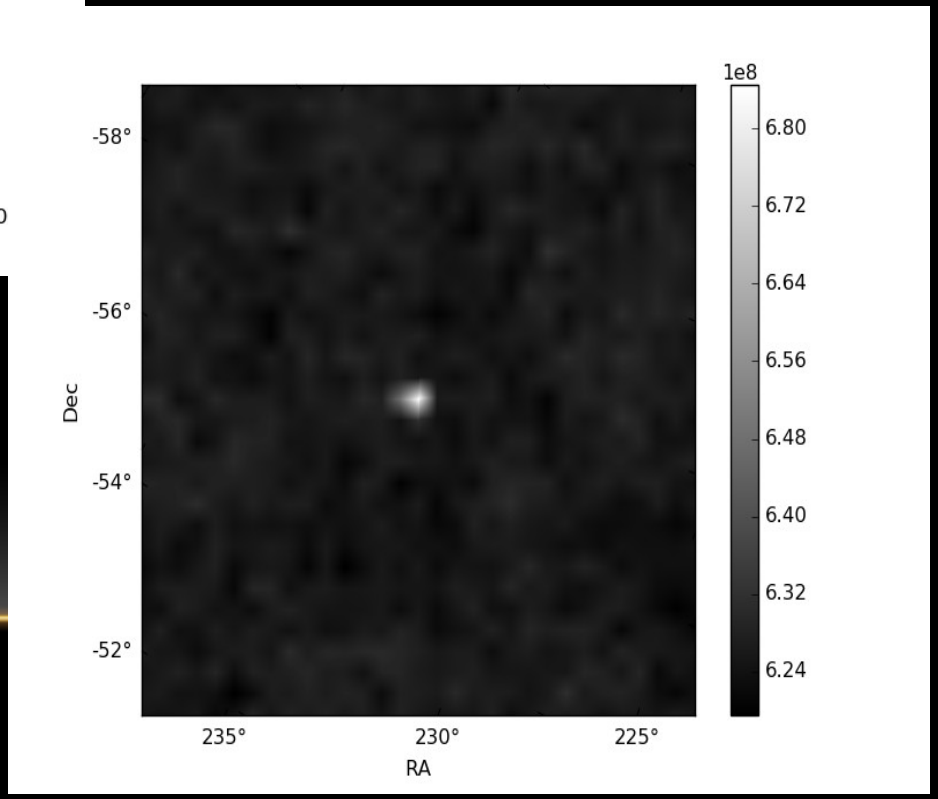
DISTRIBUTION



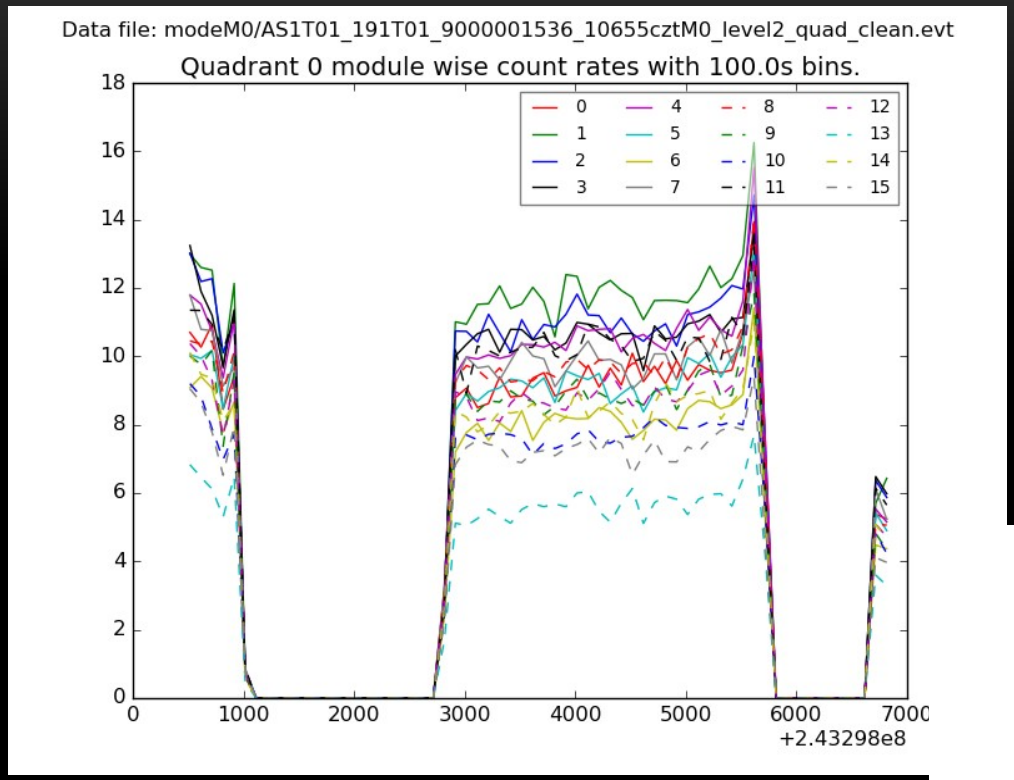


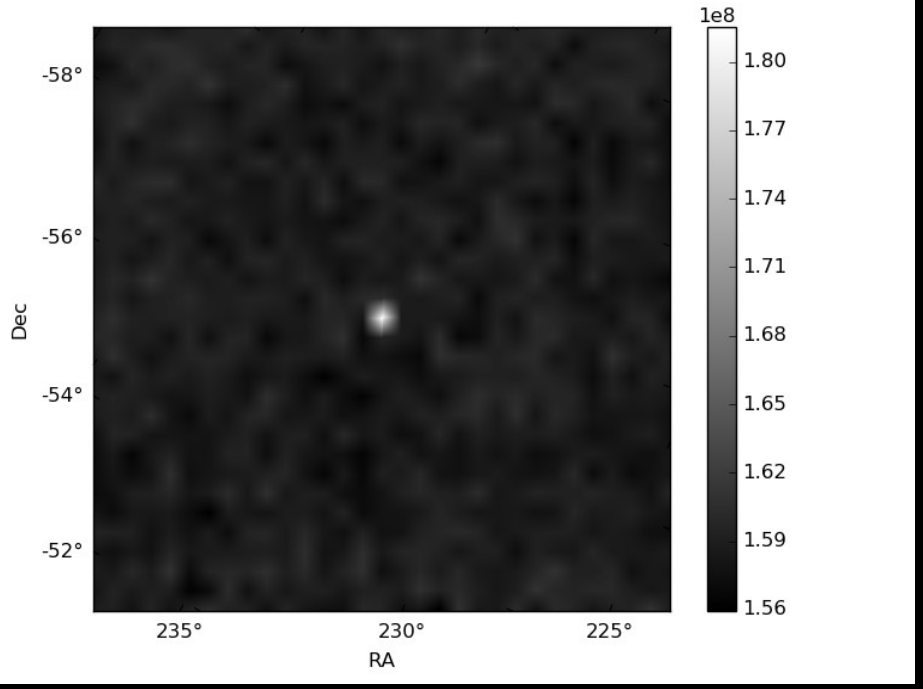
QUADRANT WISE COUNT RATE PLOTS



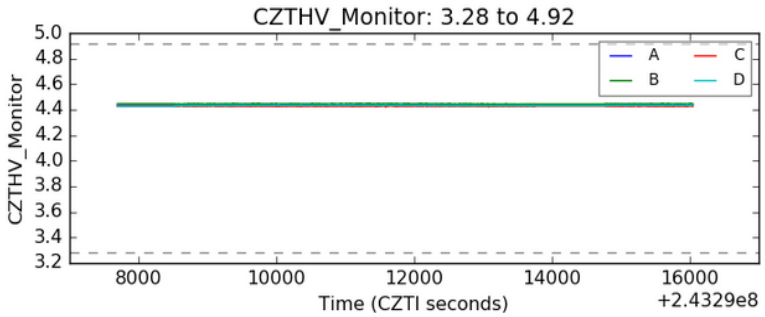
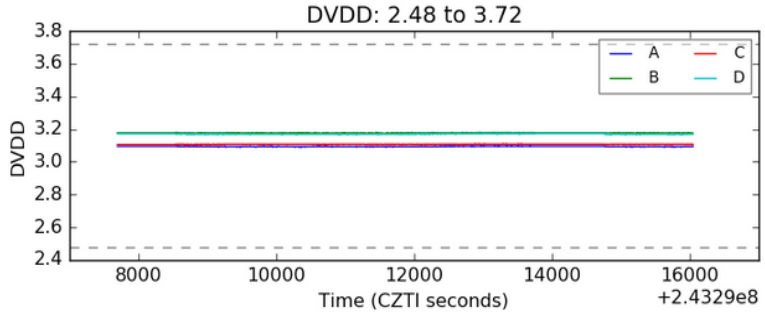
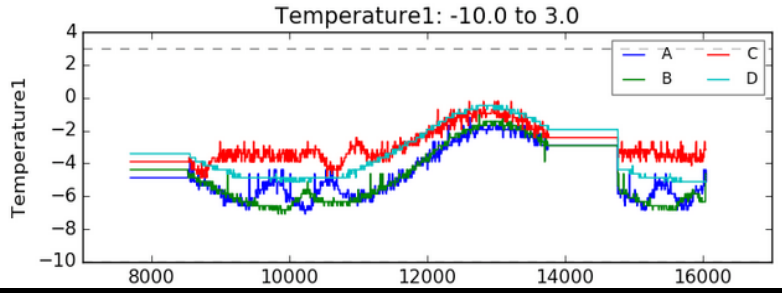


MODULE WISE QUADRANT COUNT RATE PLOTS

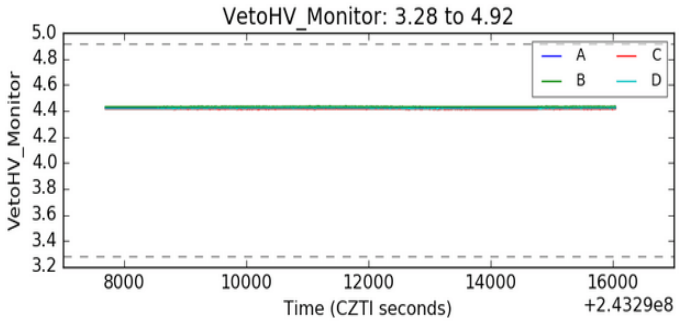




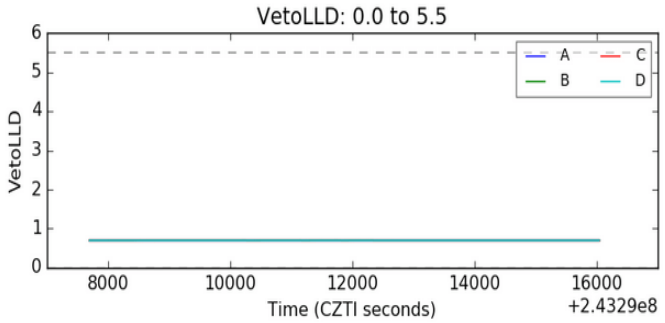
Housekeeping plots

Parameter	Plot
CZT HV Monitor	
D_VDD	
Temperature 1	

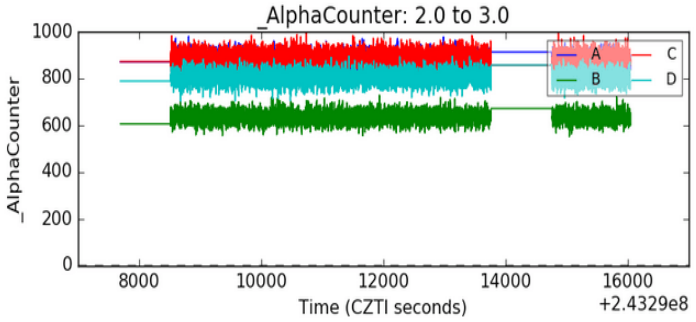
Veto HV Monitor



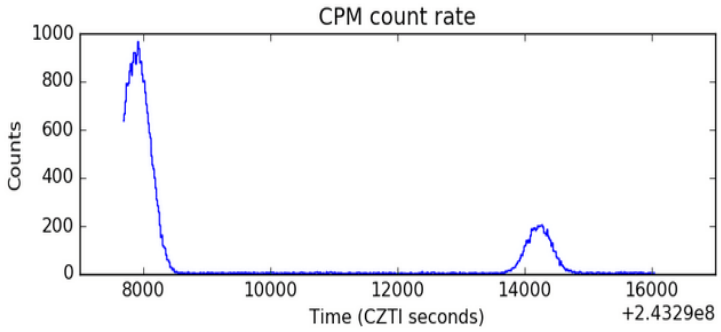
Veto LLD



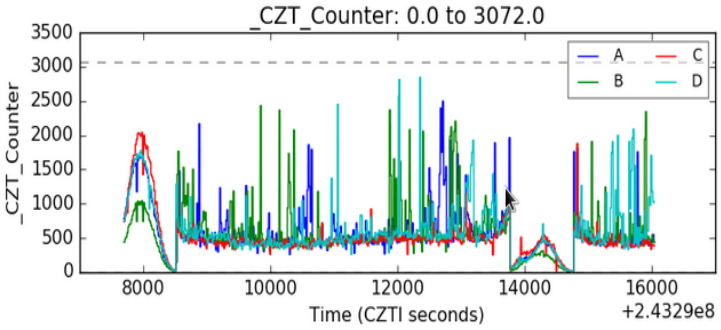
Alpha Counter



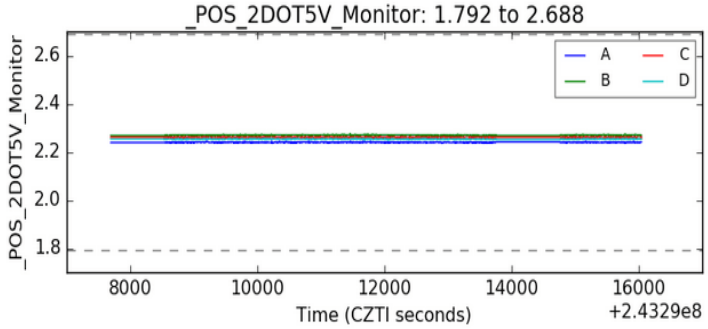
_CPM_Rate



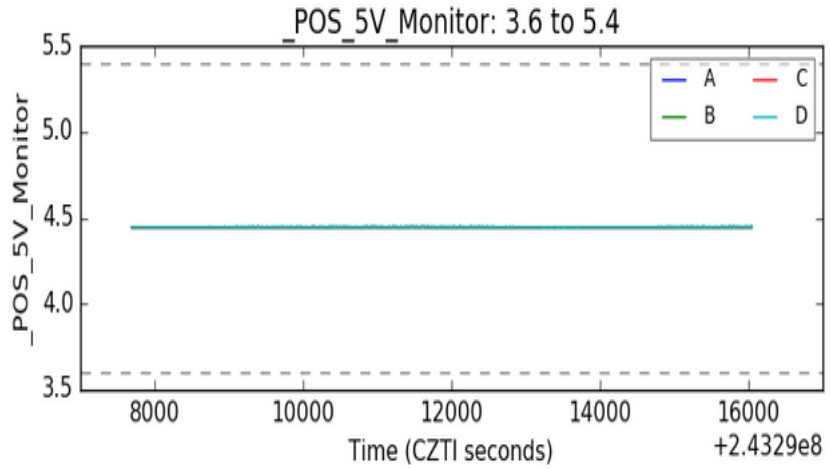
CZT Counter



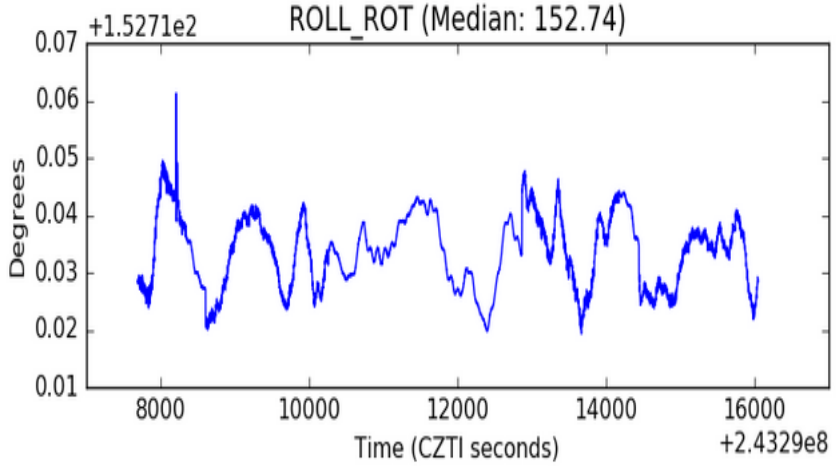
+2.5 Volts monitor



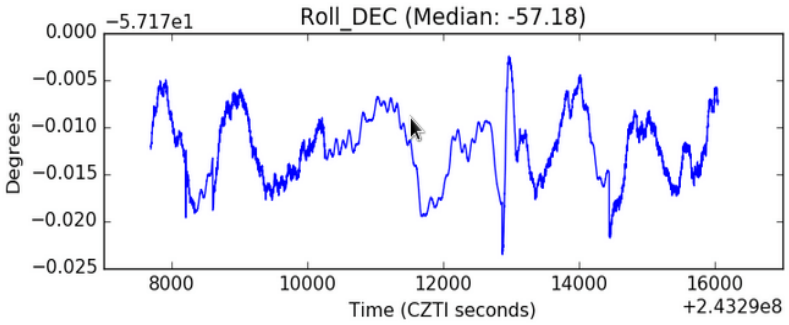
+5 Volts monitor



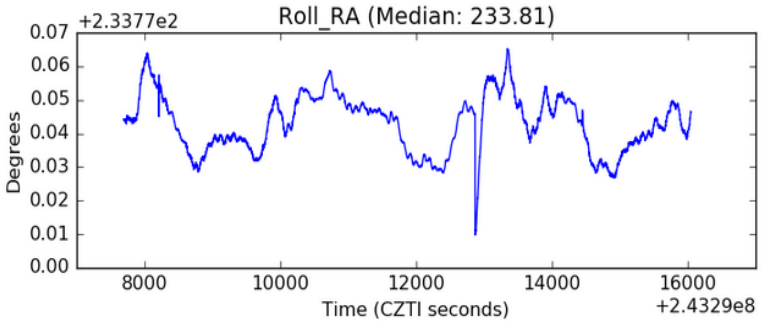
_ROLL_ROT



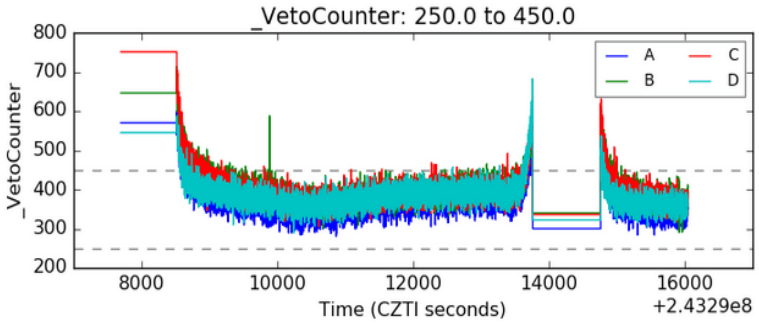
_Roll_DEC



_Roll_RA



Veto Counter



THANK YOU……!