

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18155 - L2 Version 1
Chandra X-Ray Center

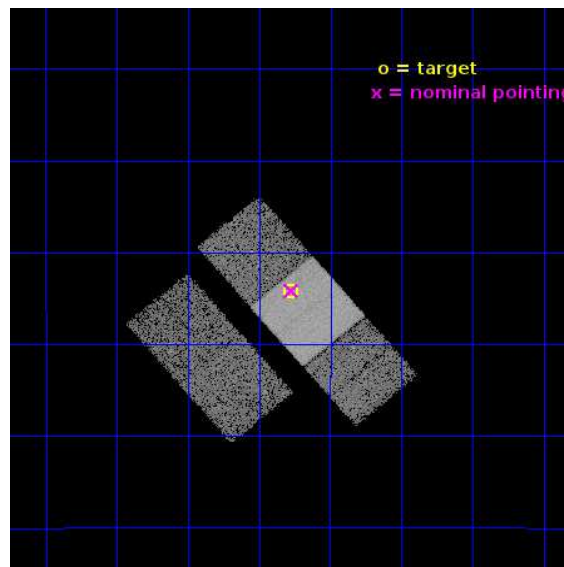
L2 Processing Date : Feb 6 2016

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1 Front

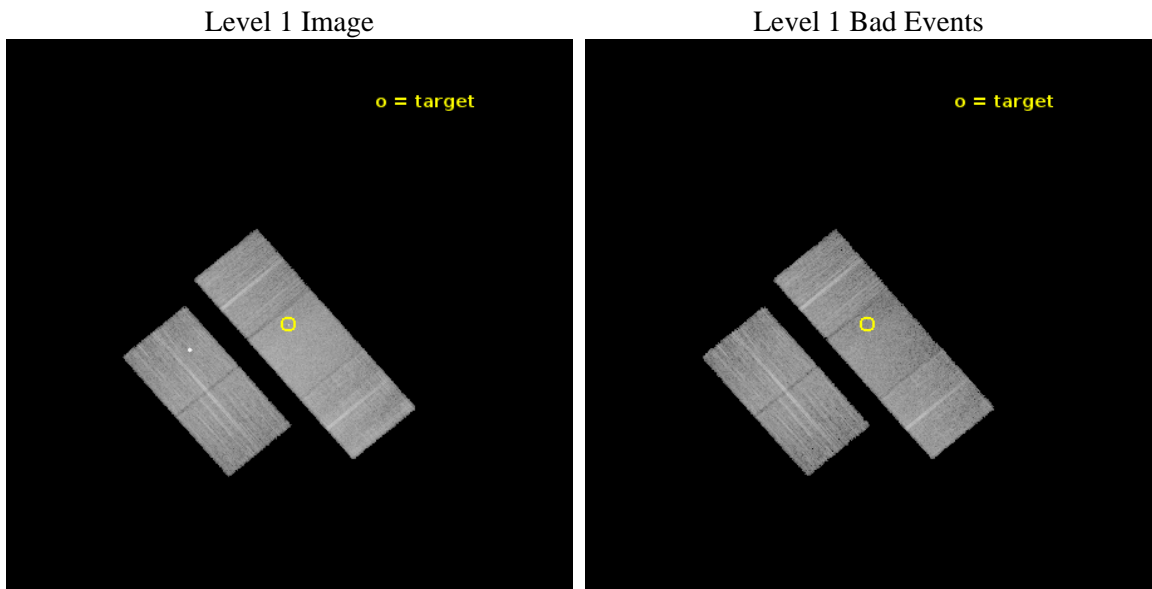
seq_num	703220	Sequence number
obs_id	18155	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	LCRS B110045.0-063806	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.82	Observer's specified target RA [deg]
dec_targ	-6.904444	Observer's specified target Dec [deg]
ra_nom	165.81831099925	Nominal RA [deg]
dec_nom	-6.902768924802	Nominal Dec [deg]
roll_nom	49.595289661647	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15044.300115824	Sum of GTIs [s]
livetime	14847.735259358	Livetime [s]
ontime2	15041.159035563	Sum of GTIs [s]
ontime3	15041.159045815	Sum of GTIs [s]
ontime6	15044.300115824	Sum of GTIs [s]
ontime7	15044.300115824	Sum of GTIs [s]
ontime8	15044.300115824	Sum of GTIs [s]
l2events	83720	Number of level 2 events



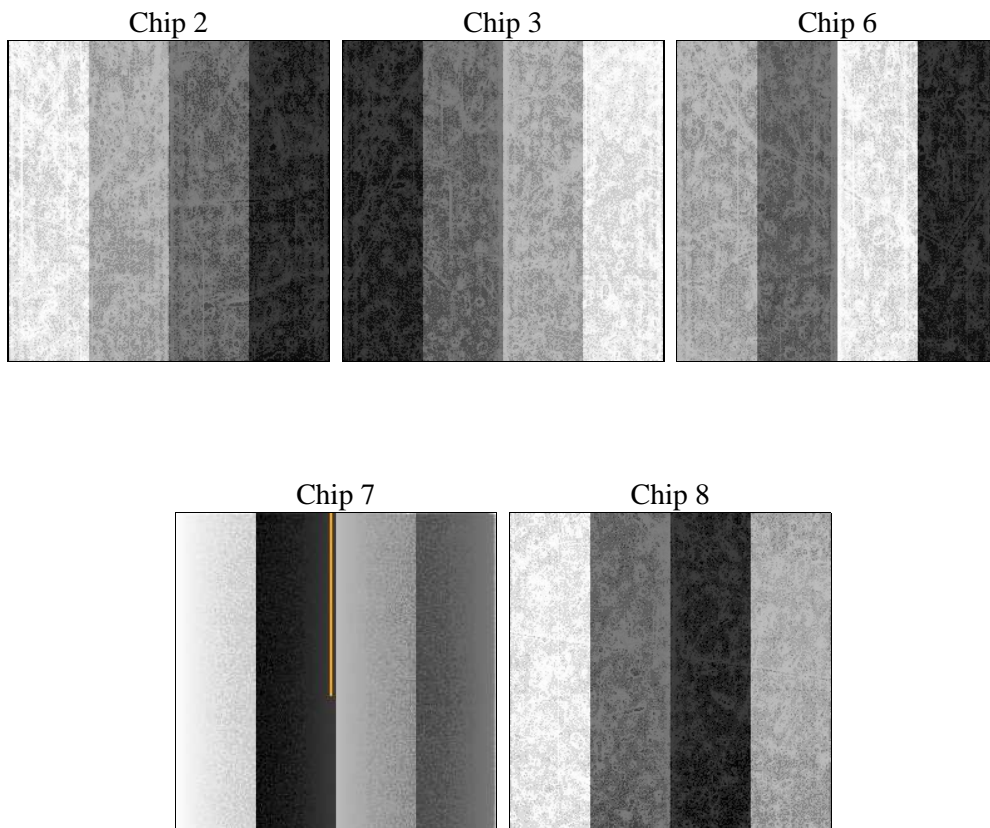
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	15044.300115824	Sum of GTIs [s]
caldbver	4.7.0	 	ontime2	15041.159035563	Sum of GTIs [s]
date	2016-02-06T06:24:15	Date and time of file creation	ontime3	15041.159045815	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	15044.300115824	Sum of GTIs [s]
			ontime7	15044.300115824	Sum of GTIs [s]
			ontime8	15044.300115824	Sum of GTIs [s]
			l1events	514877	Number of level 1 events

2.1.4 Events

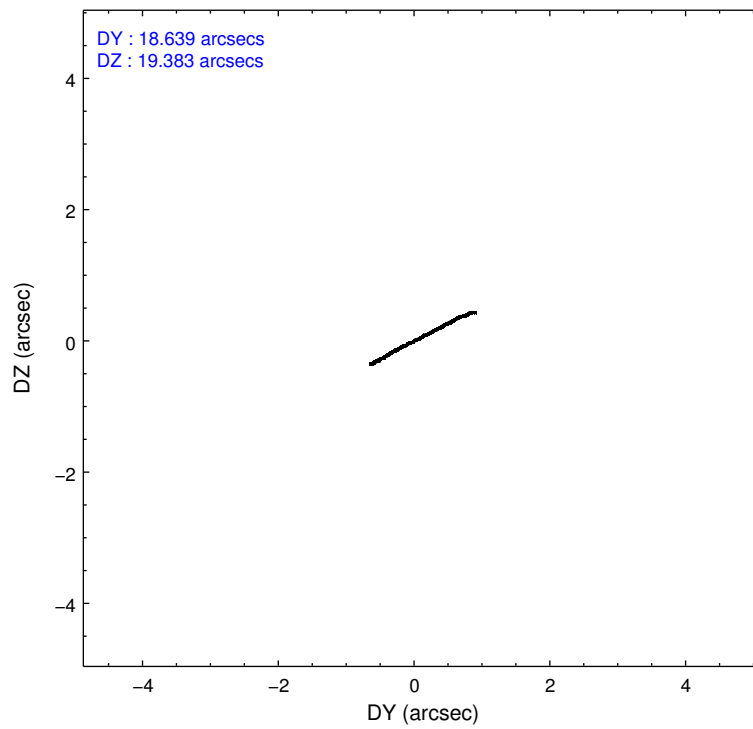
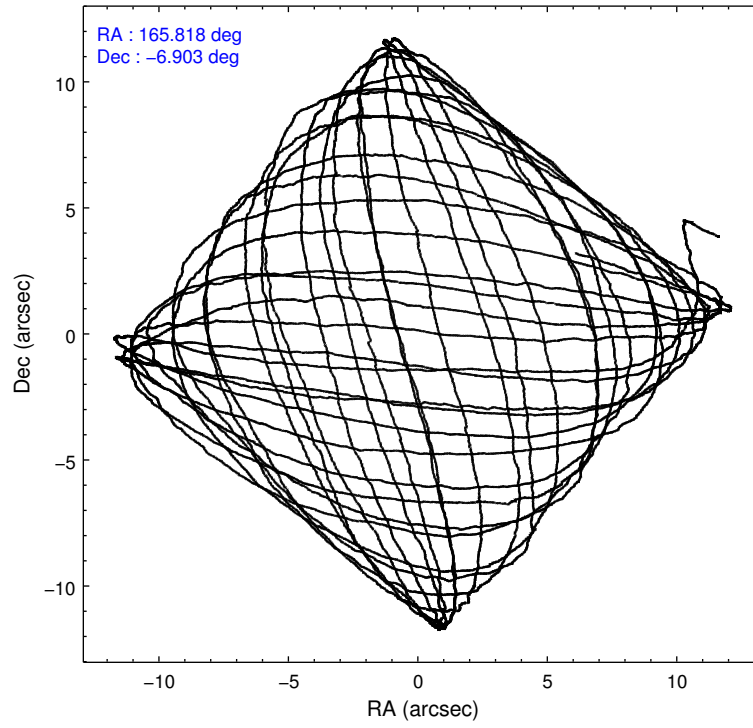
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	97050	88393	93307	118898	117229
rejected events	83379	79050	82843	68577	88340
rejected %	85%	89%	88%	57%	75%

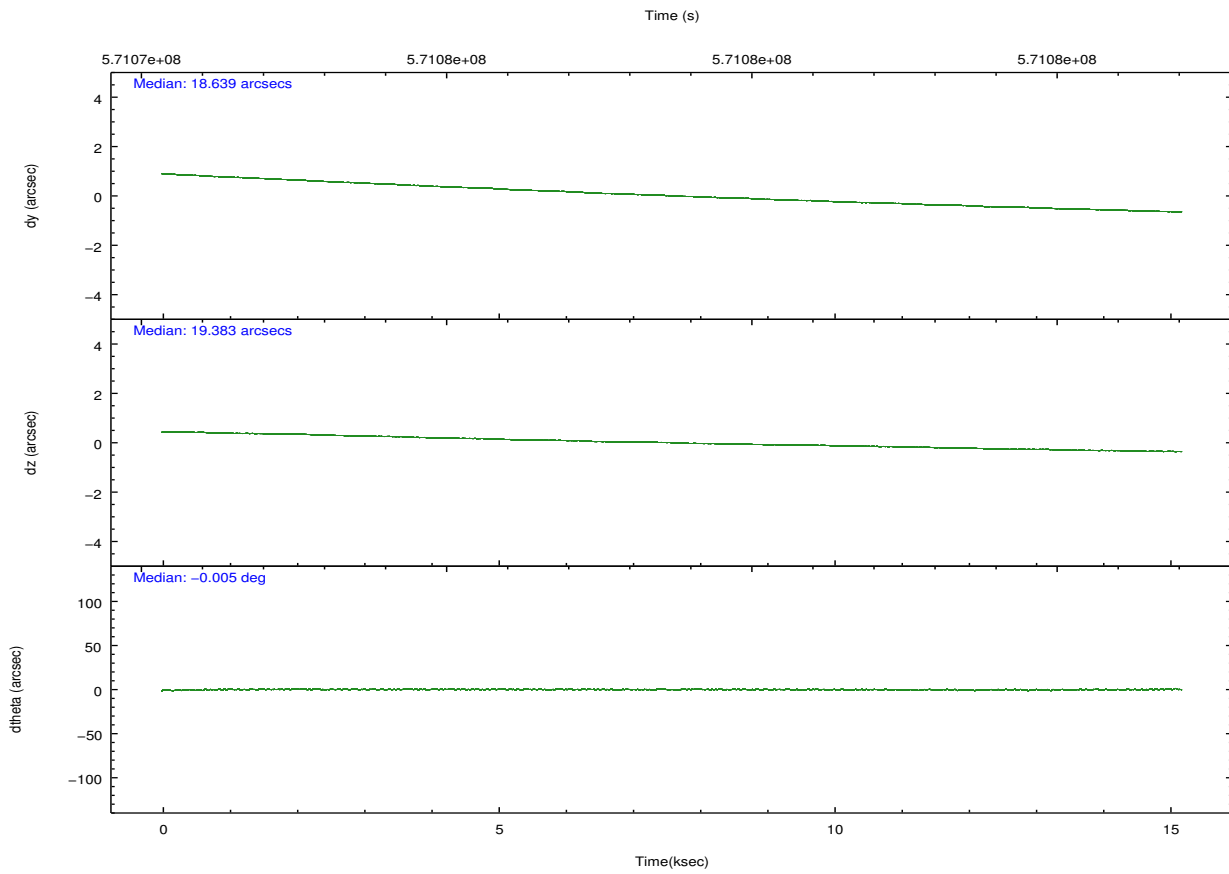
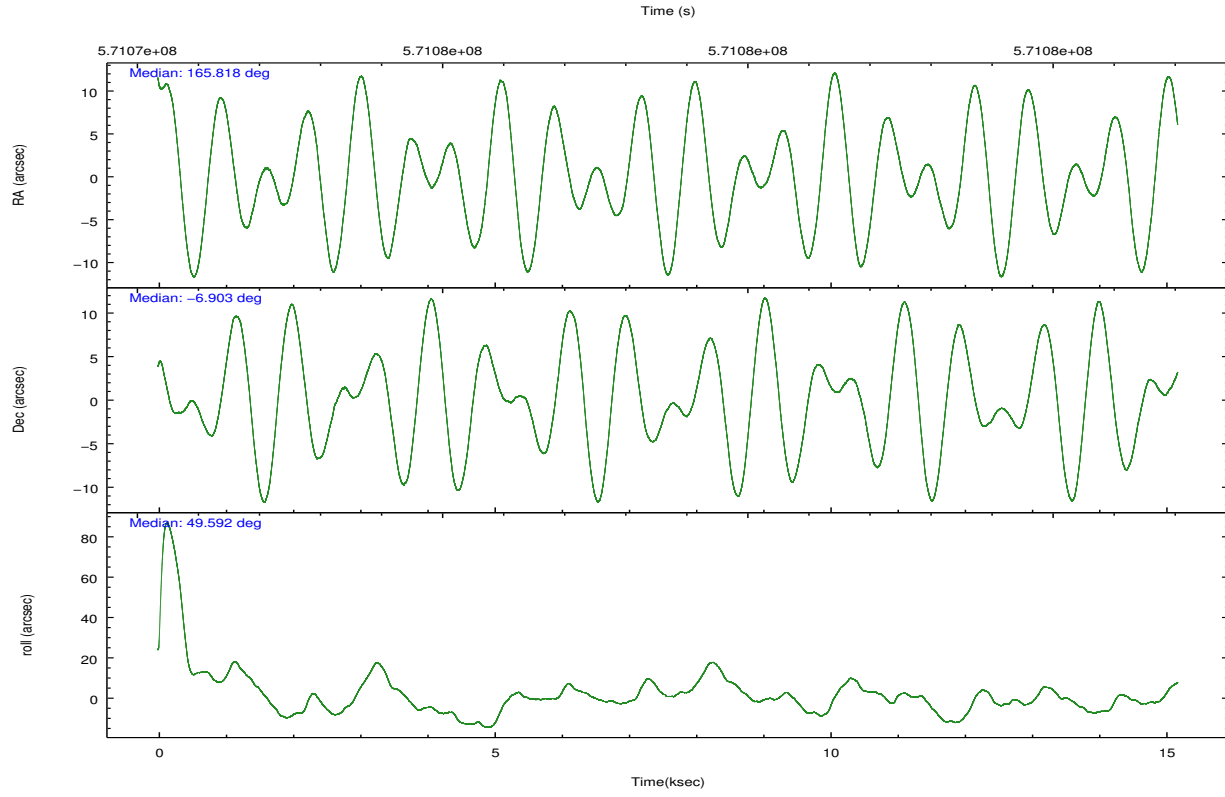
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	7746	3105	3272	4052	7755
	7%	3%	3%	3%	6%
grade 1 events	77	56	27	140	84
	0%	0%	0%	0%	0%
grade 2 events	2083	2081	2559	10561	7364
	2%	2%	2%	8%	6%
grade 3 events	1022	1029	1031	3783	2889
	1%	1%	1%	3%	2%
grade 4 events	981	1056	991	3746	2751
	1%	1%	1%	3%	2%
grade 5 events	3517	4416	4267	11188	6357
	3%	4%	4%	9%	5%
grade 6 events	1844	2075	2613	28187	8133
	1%	2%	2%	23%	6%
grade 7 events	79780	74575	78547	57241	81896
	82%	84%	84%	48%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	165.813642	165.818310999252	CCD I2 on	O2	Y
[deg] Pointing Dec	-6.929825	-6.902768924801951	CCD I3 on	O3	Y
[deg] Pointing Roll	49.438162	49.59528966164671	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O5	Y
[s] Observation start time (MET)	571071265.184000	571070153.10208	CCD S5 on	N	N
Observation start date	2016-02-05T14:53:17	2016-02-05T14:35:53	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	571086265.184000	571087598.60308	On-chip summing requested	N	N
Observation end date	2016-02-05T19:03:17	2016-02-05T19:26:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





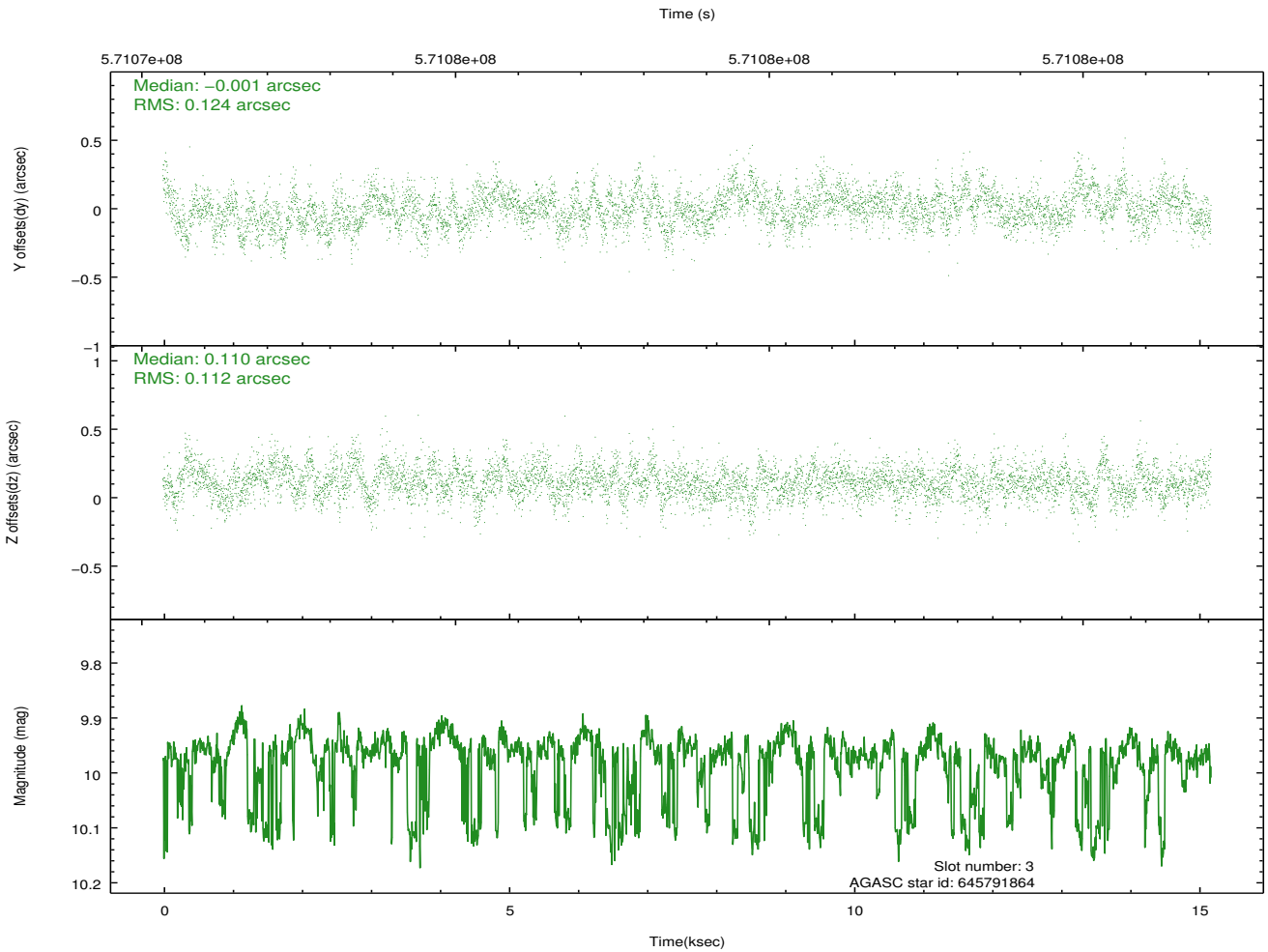
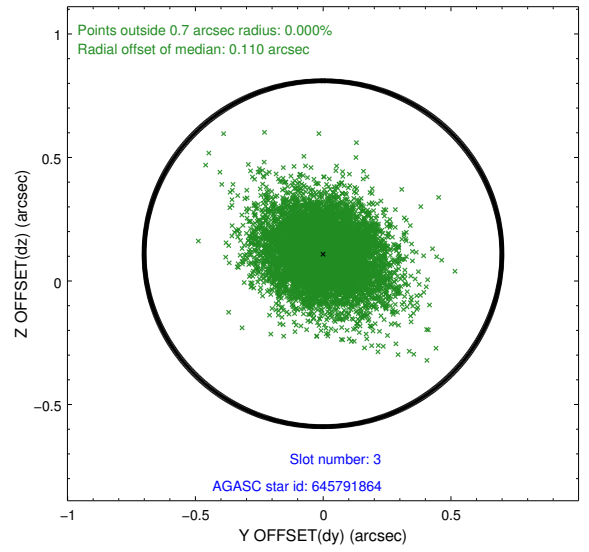
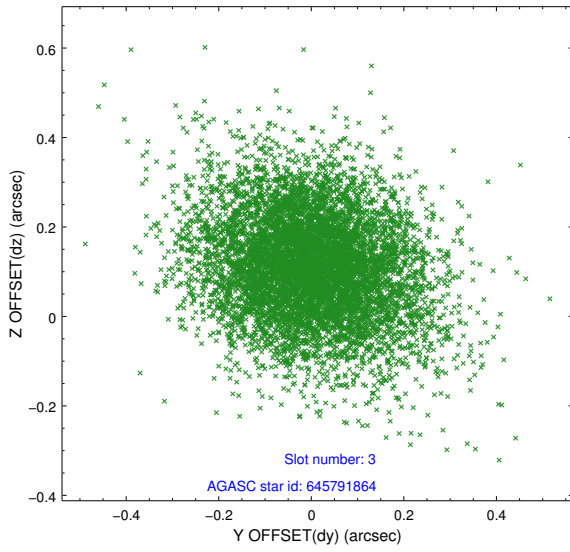
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	3703	-0.202	-0.142	0.020	0.034	0.000000	0.000000	-771.94	-1740.99
1	FID		ACIS-S-4	7.23	3702	0.474	0.135	0.022	0.031	0.000000	0.000000	2141.86	167.49
2	FID		ACIS-S-5	7.24	3702	-0.301	0.014	0.009	0.023	0.000000	0.000000	-1824.52	161.33
3	GUIDE	used	645791864	9.97	7385	-0.001	0.110	0.175	0.294	165.199436	-7.192226	-2145.02	1051.80
4	GUIDE	used	645792808	9.65	7397	0.349	0.116	0.228	0.357	165.765415	-7.221460	-909.24	-550.99
5	GUIDE	used	645800464	10.02	7161	-0.044	0.016	0.394	0.640	166.176737	-6.580209	1800.30	-168.11
6	GUIDE	used	645801360	7.38	7407	-0.399	-0.309	0.117	0.185	165.691689	-6.393697	1182.87	1586.15
7	GUIDE	used	645803712	8.82	7399	0.102	0.072	0.176	0.291	165.397218	-6.981141	-1107.93	1010.49

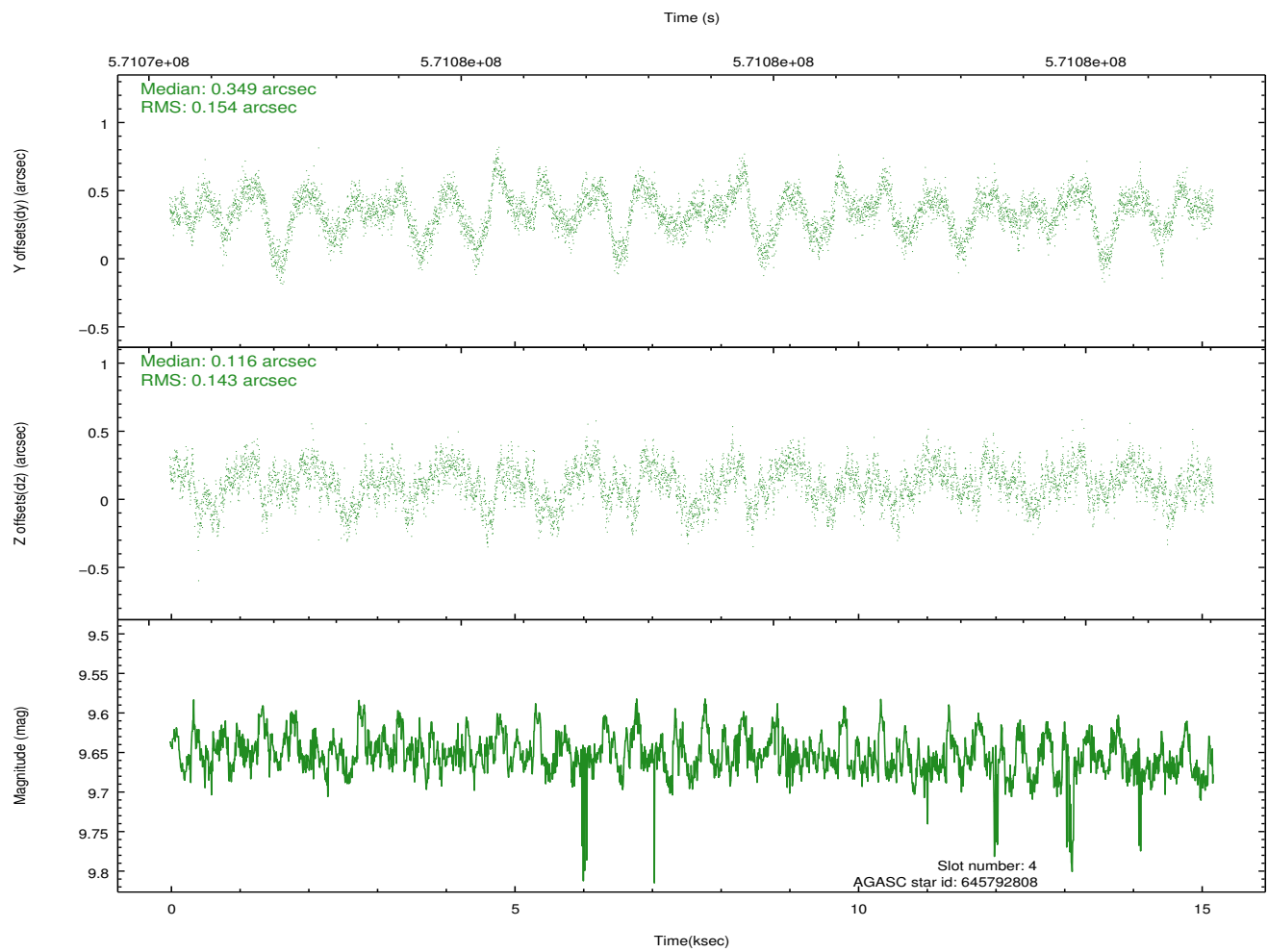
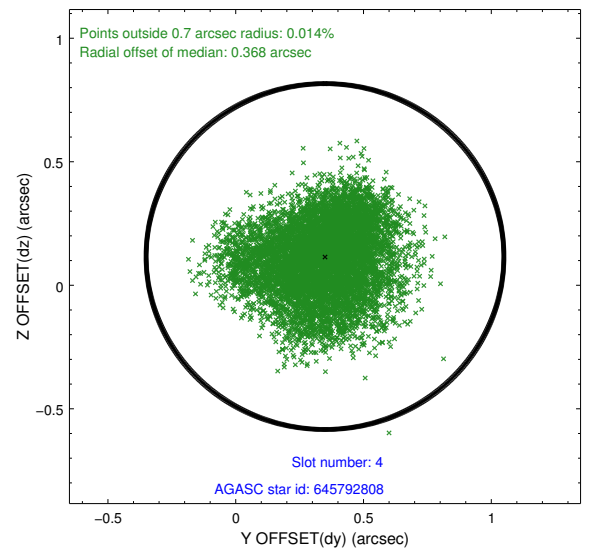
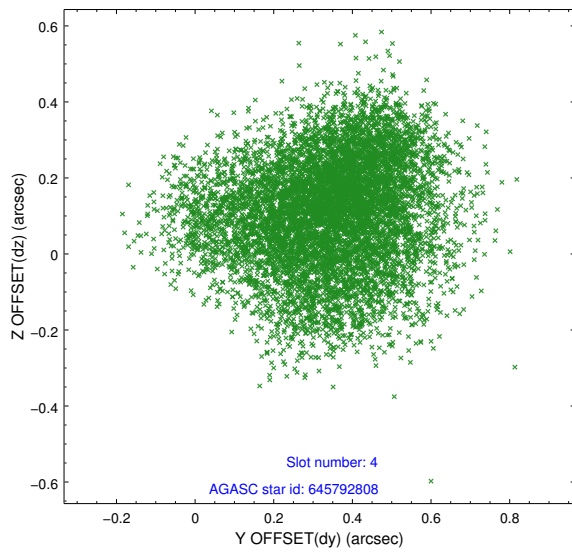
∞

2.4 Star Slots

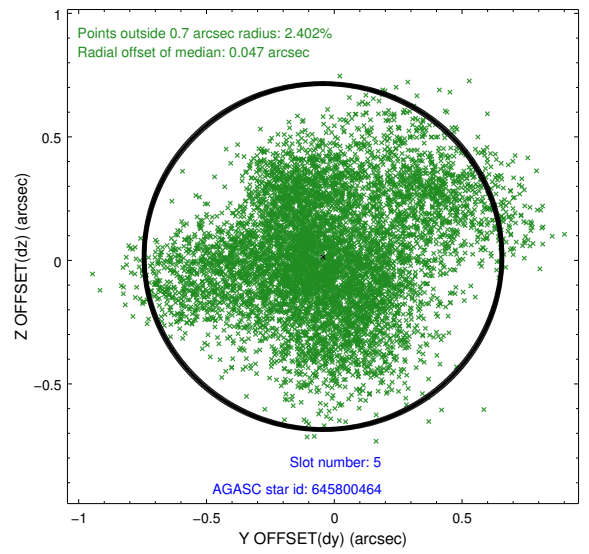
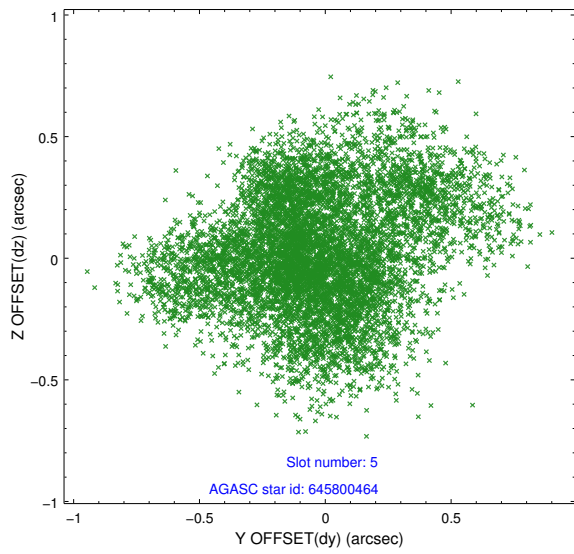
2.4.1 Slot 3



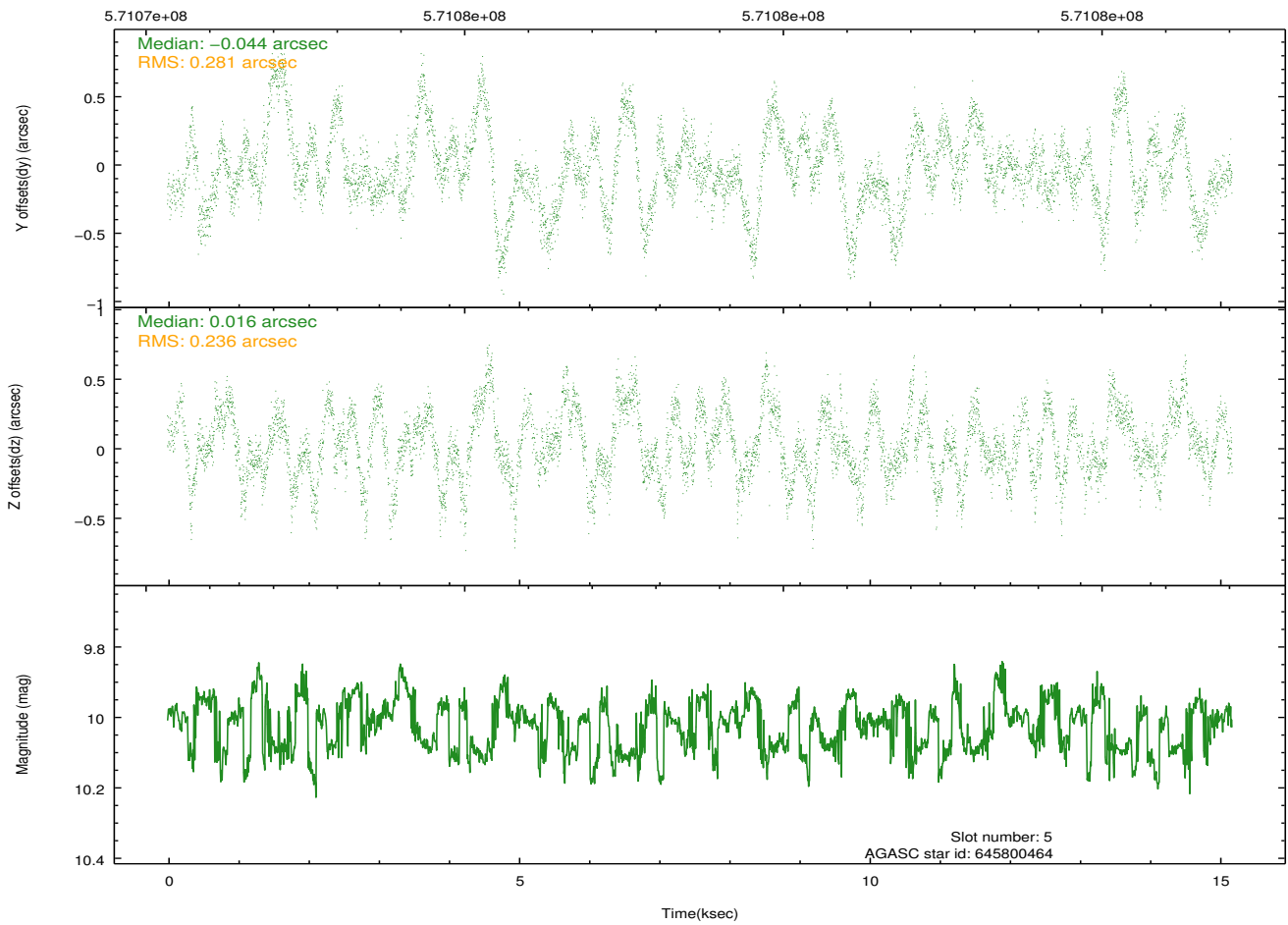
2.4.2 Slot 4



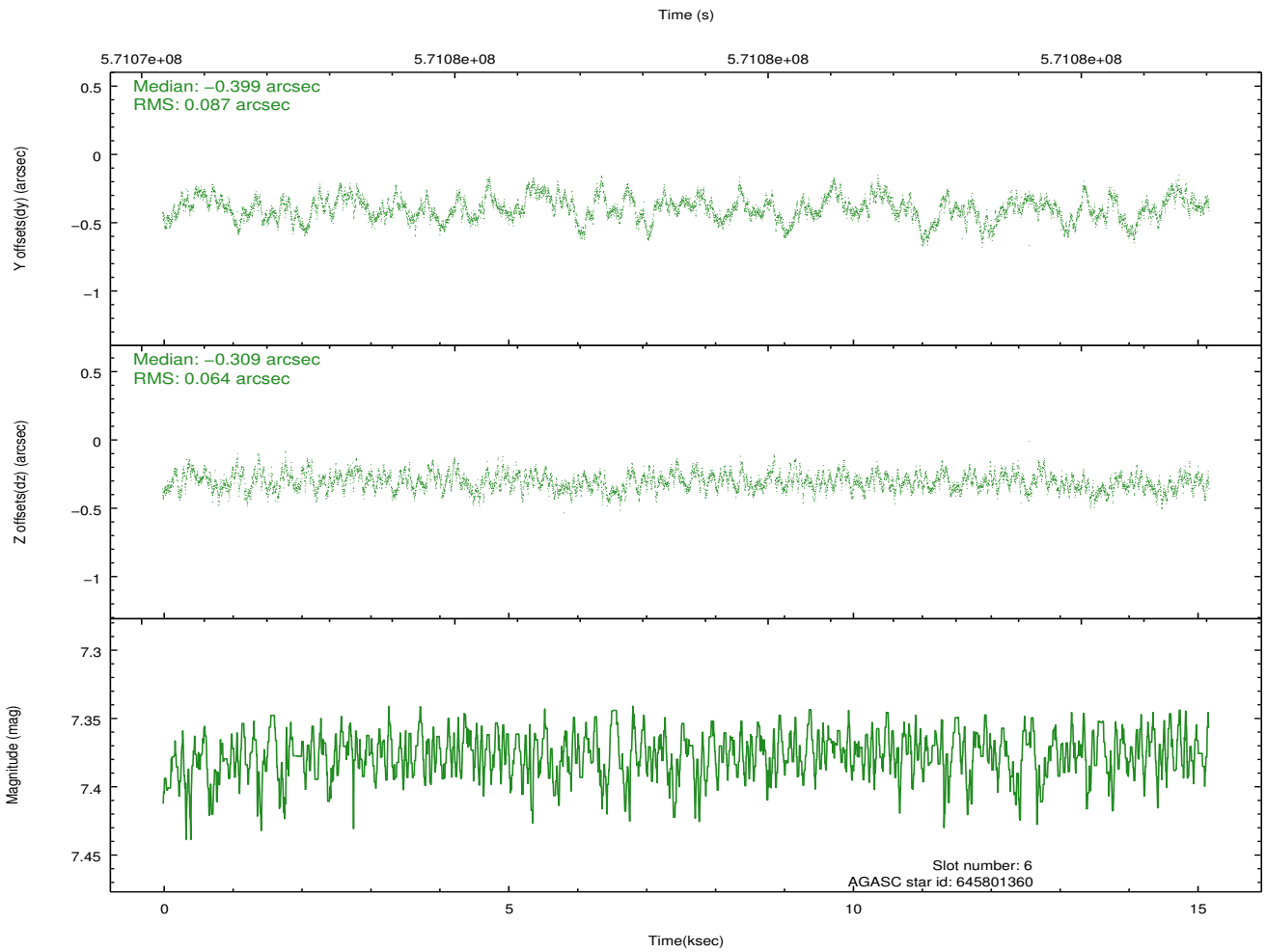
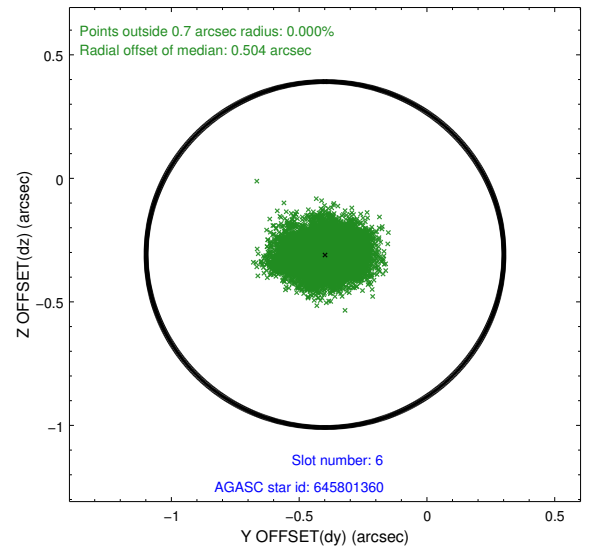
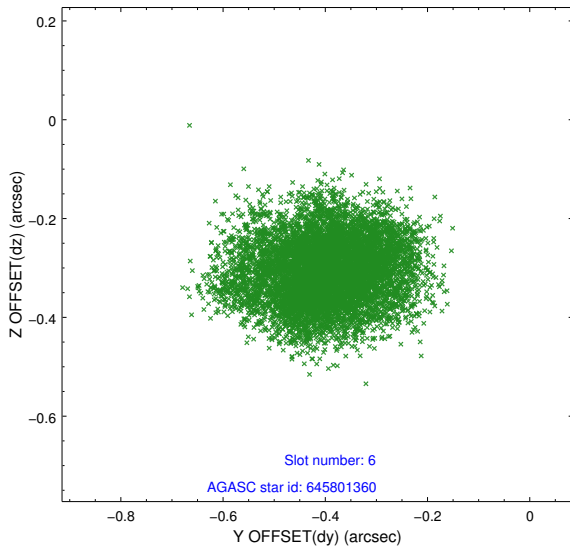
2.4.3 Slot 5



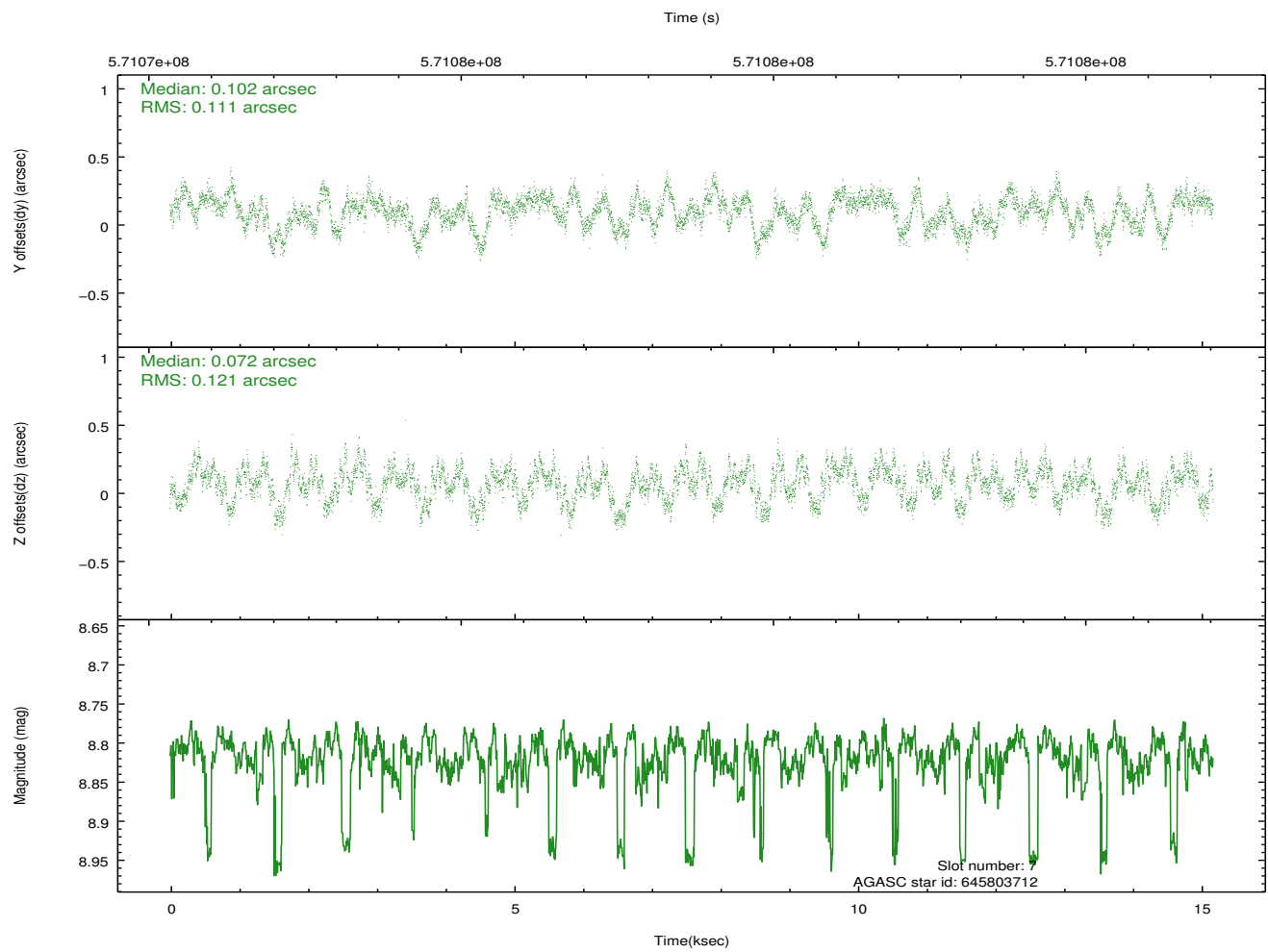
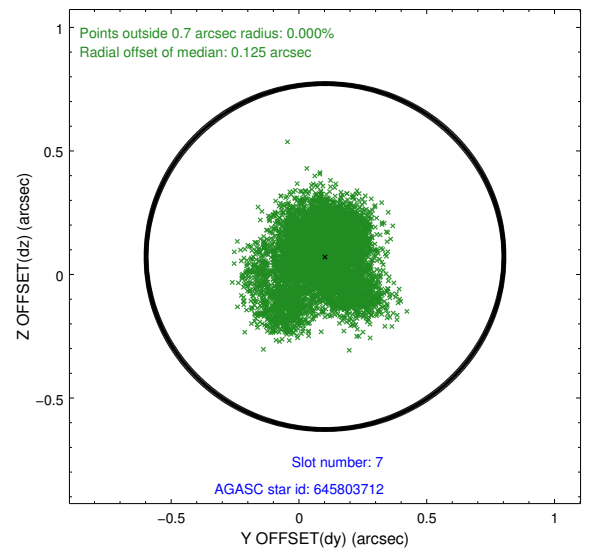
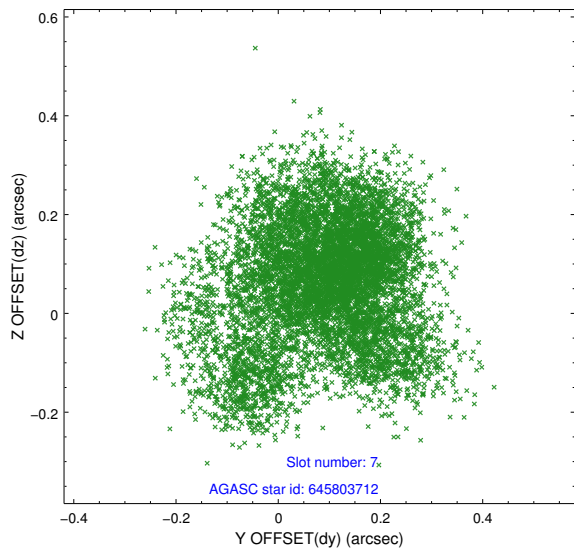
Time (s)



2.4.4 Slot 6

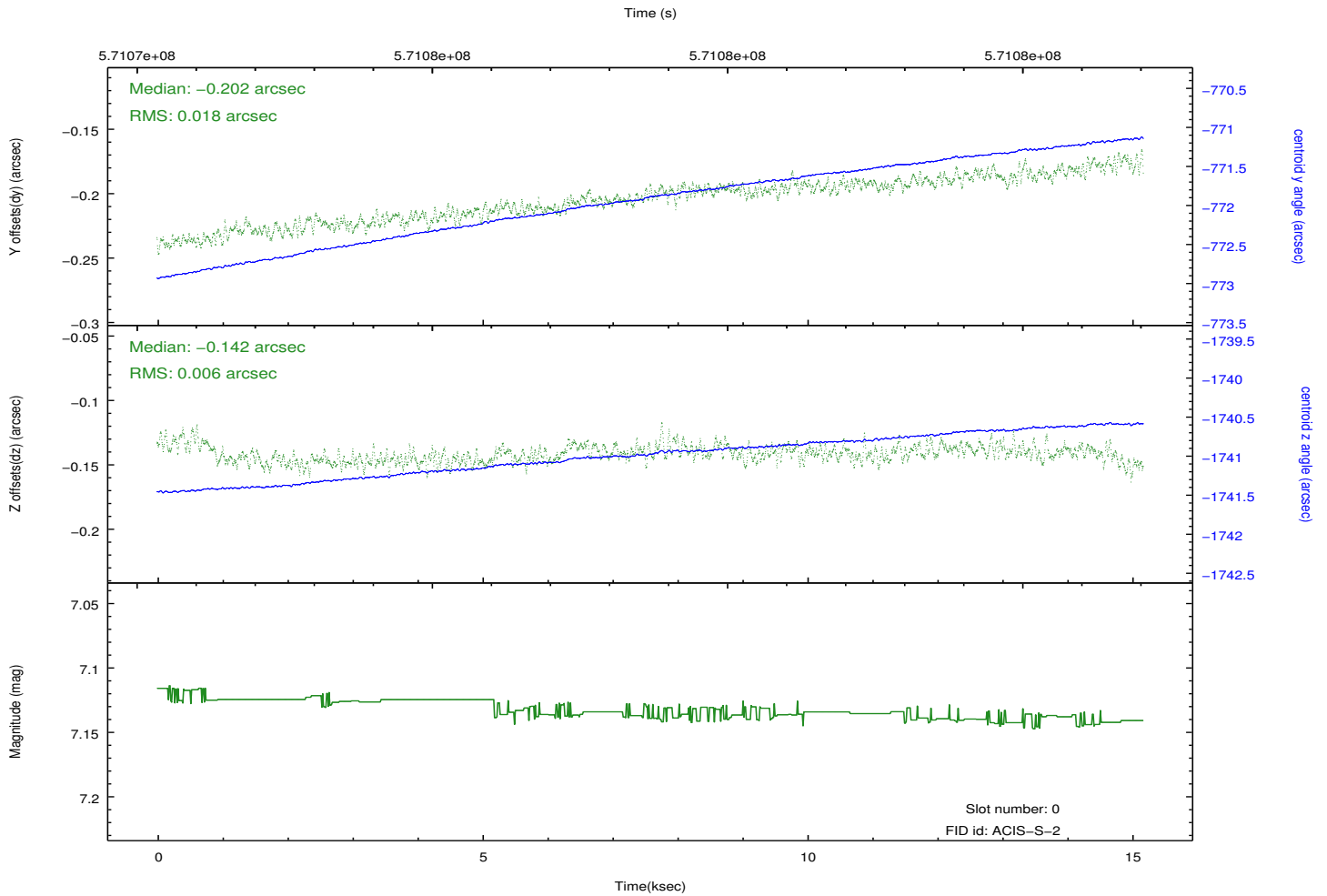
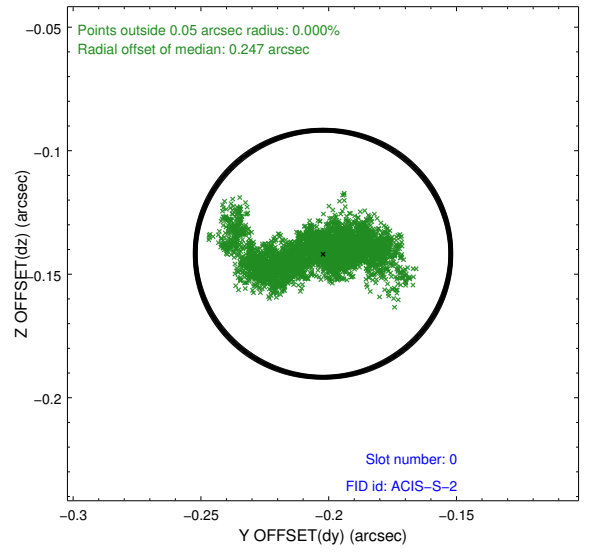
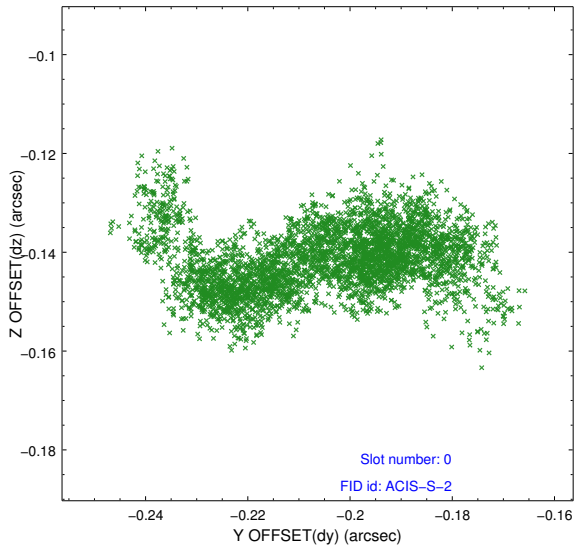


2.4.5 Slot 7

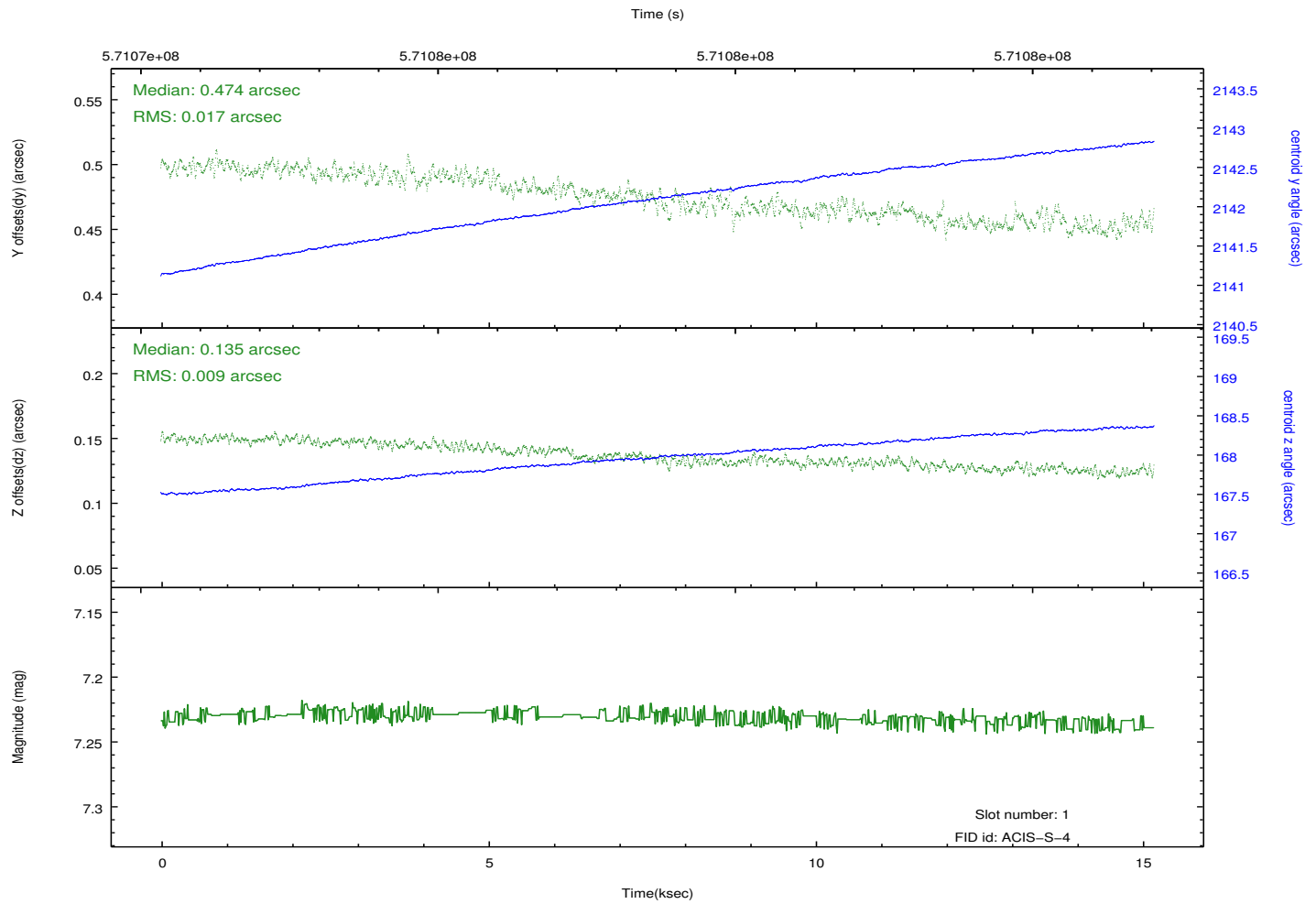
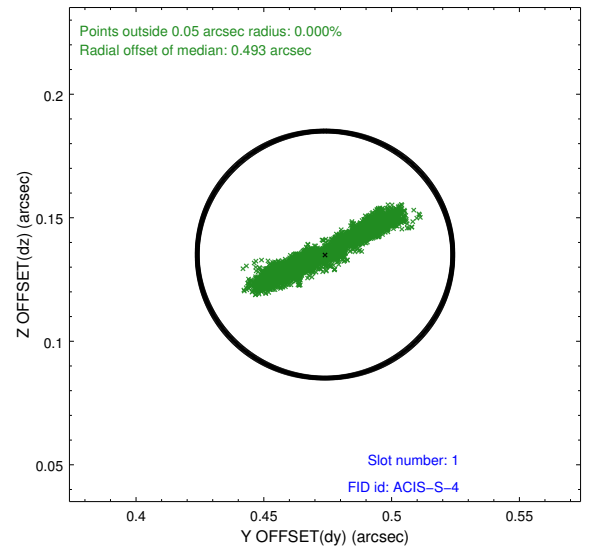
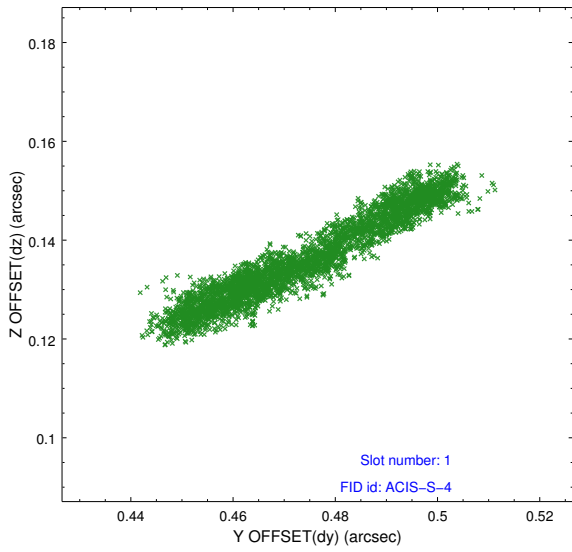


2.5 FID Slots

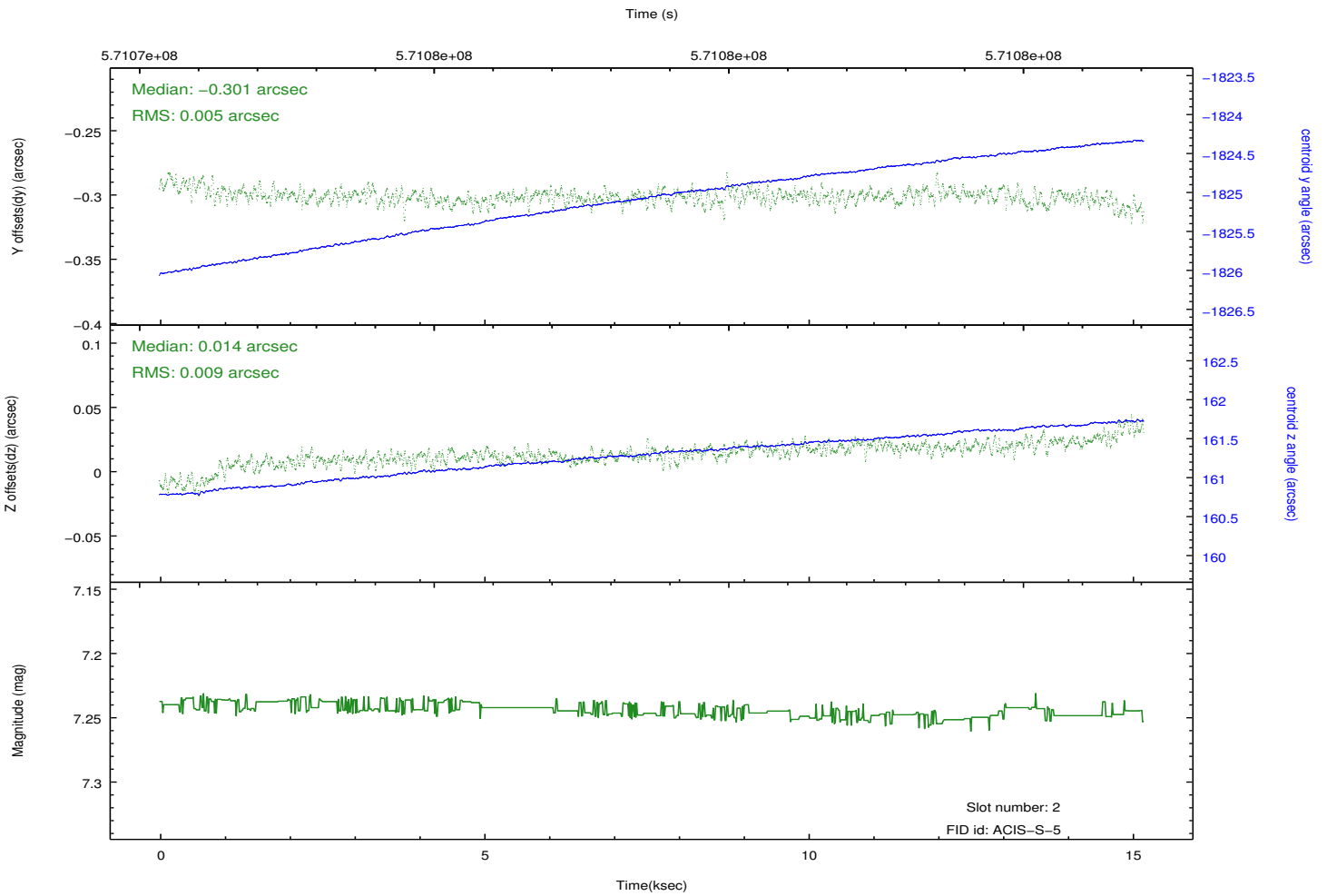
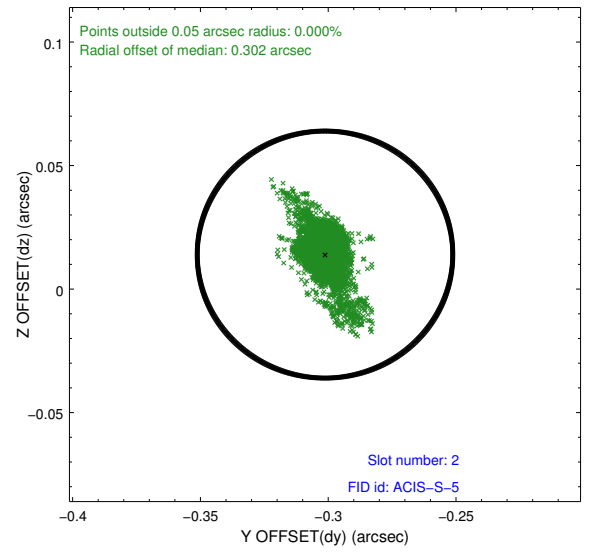
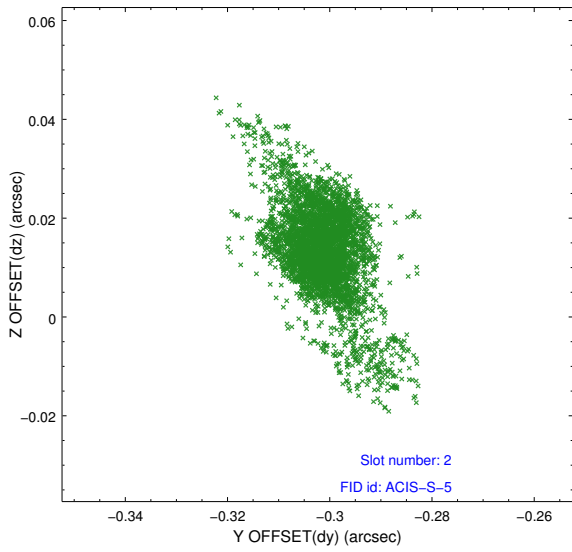
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.044300115824

A.2 Comments

Optional chip S1 not included.