

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17500 - L2 Version 1
Chandra X-Ray Center

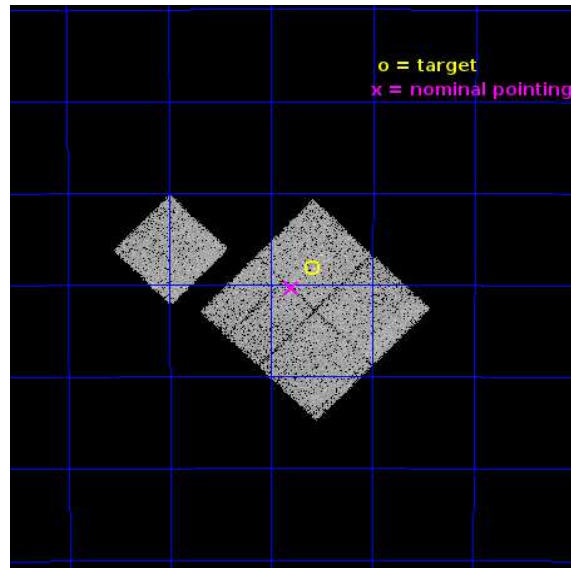
L2 Processing Date : Feb 21 2016

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1 Front

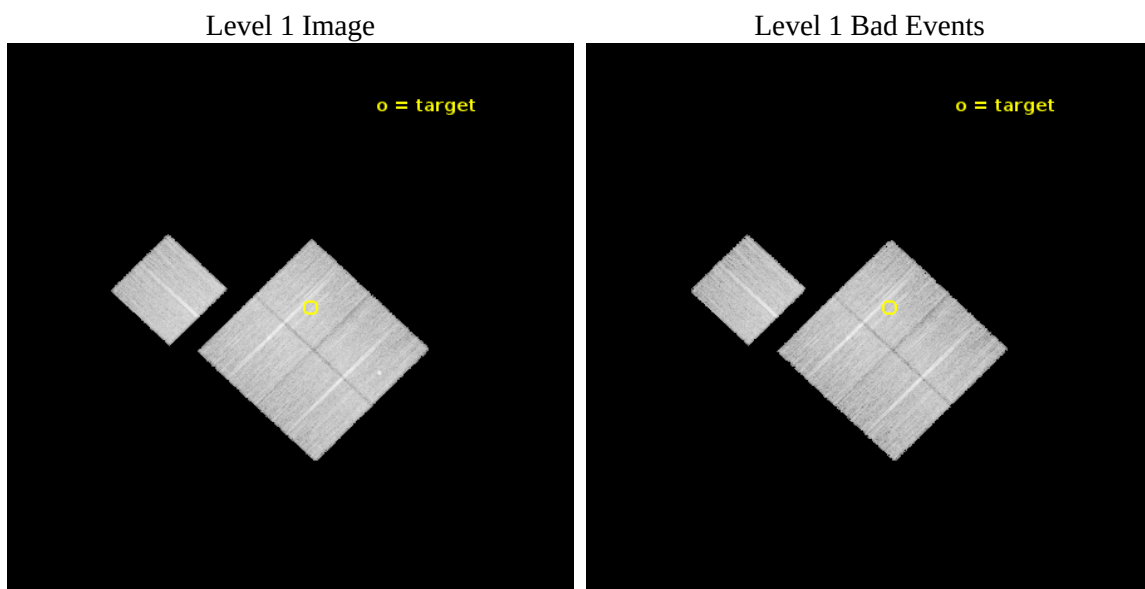
seq_num	801490	Sequence number
obs_id	17500	Observation id
title	A MASS-LIMITED SURVEY OF GALAXY CLUSTERS AT $1.2 < z < 1.7$: PROBING THE PHYSICS OF THE ICM DURING ITS ASSEMBLY	Proposal title
observer	Dr Michael McDonald	Principal investigator
object	SPT-CLJ0607-4448	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	91.898333	Observer's specified target RA [deg]
dec_targ	-44.803306	Observer's specified target Dec [deg]
ra_nom	91.950071865651	Nominal RA [deg]
dec_nom	-44.838928211456	Nominal Dec [deg]
roll_nom	314.24512792763	Nominal Roll [deg]
revision	1	Processing version of data
ontime	18054.400138974	Sum of GTIs [s]
livetime	17818.506109702	Livetime [s]
ontime0	18054.400138974	Sum of GTIs [s]
ontime1	18054.400138974	Sum of GTIs [s]
ontime2	18054.400138974	Sum of GTIs [s]
ontime3	18054.400138974	Sum of GTIs [s]
ontime6	18054.400138974	Sum of GTIs [s]
l2events	52577	Number of level 2 events



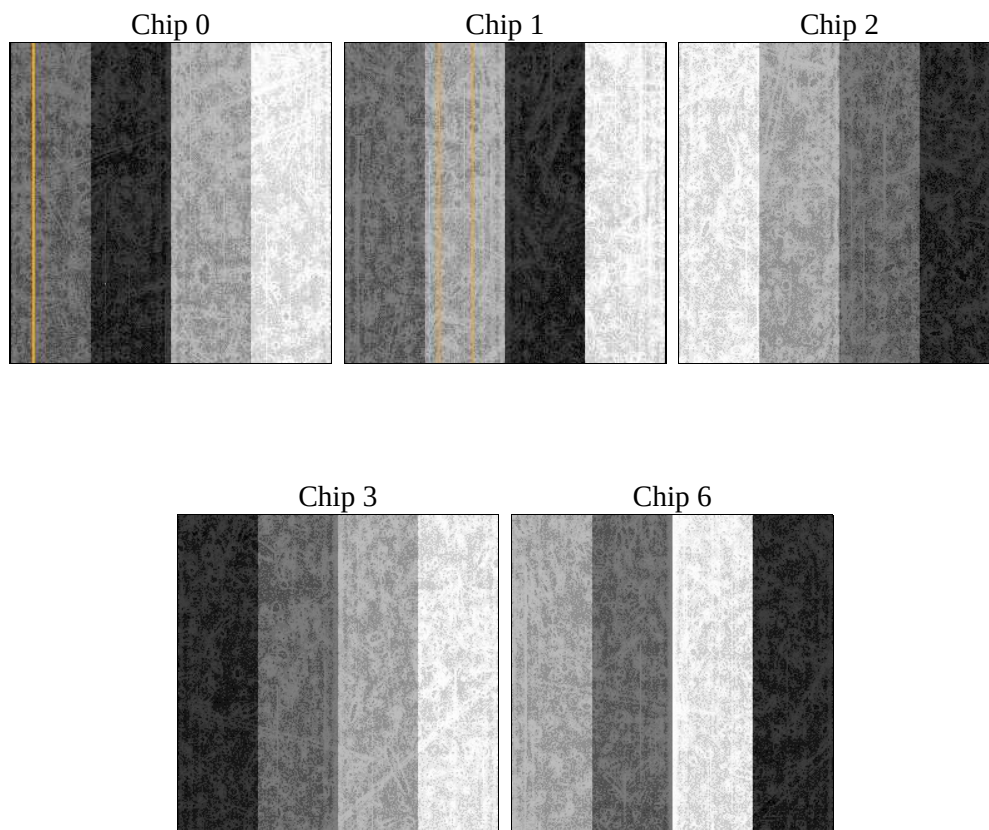
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	18054.400138974	Sum of GTIs [s]
caldsver	4.7.0	 	ontime0	18054.400138974	Sum of GTIs [s]
date	2016-02-21T20:11:51	Date and time of file creation	ontime1	18054.400138974	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	18054.400138974	Sum of GTIs [s]
			ontime3	18054.400138974	Sum of GTIs [s]
			ontime6	18054.400138974	Sum of GTIs [s]
			l1events	547749	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	103303	106588	112885	112679	112294
rejected events	90810	92758	101174	100771	99842
rejected %	87%	87%	89%	89%	88%

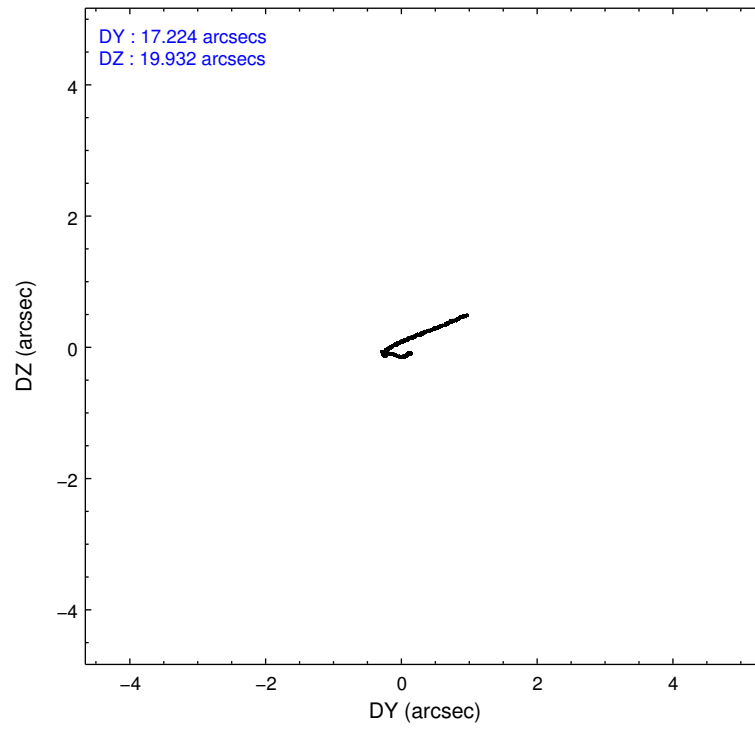
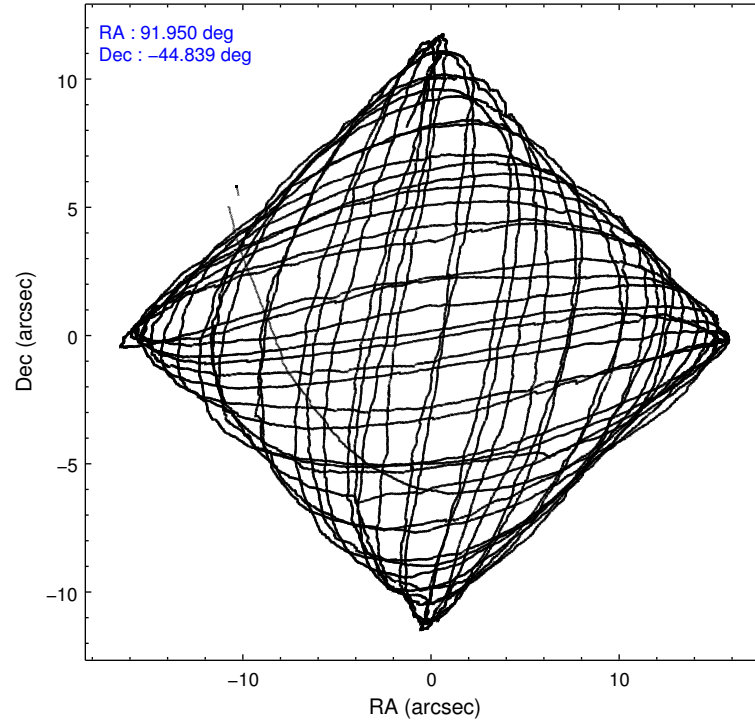
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4343	4885	4173	4242	4047
	4%	4%	3%	3%	3%
grade 1 events	67	52	67	59	45
	0%	0%	0%	0%	0%
grade 2 events	3166	3371	2773	2641	3038
	3%	3%	2%	2%	2%
grade 3 events	1185	1262	1209	1320	1146
	1%	1%	1%	1%	1%
grade 4 events	1150	1284	1239	1218	1153
	1%	1%	1%	1%	1%
grade 5 events	4671	4999	4476	5237	4934
	4%	4%	3%	4%	4%
grade 6 events	2649	3033	2321	2491	3068
	2%	2%	2%	2%	2%
grade 7 events	86072	87702	96627	95471	94863
	83%	82%	85%	84%	84%

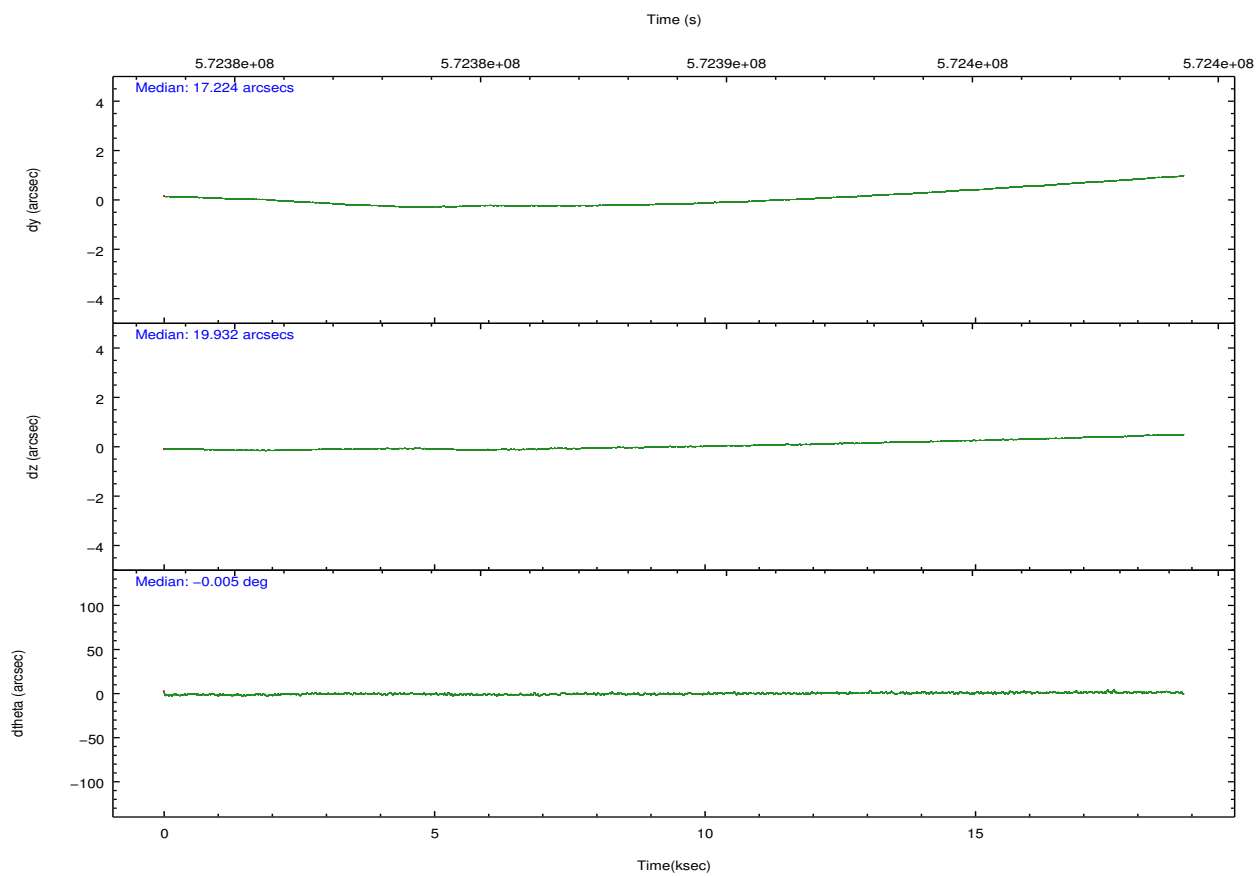
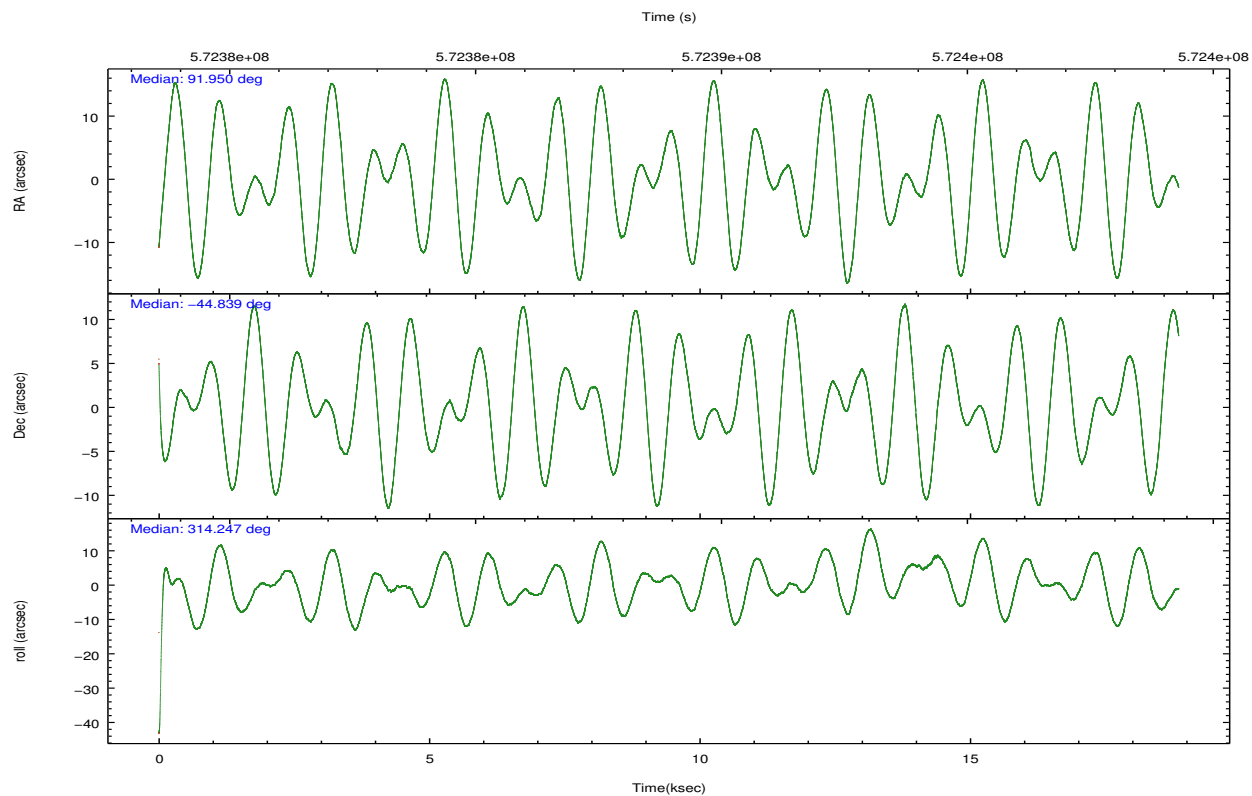
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	91.912564	91.95007186565091
[deg] Pointing Dec	-44.831536	-44.83892821145611
[deg] Pointing Roll	314.010026	314.2451279276292
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-225.842463	-225.8433433320239
[mm] SIM translation stage offset	-7.75	-7.749109670905796
[s] Observation start time (MET)	572380367.184000	572378736.8514301
Observation start date	2016-02-20T18:31:39	2016-02-20T18:05:36
[s] Observation end time (MET)	572398367.184000	572399168.6900899
Observation end date	2016-02-20T23:31:39	2016-02-20T23:46:08
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



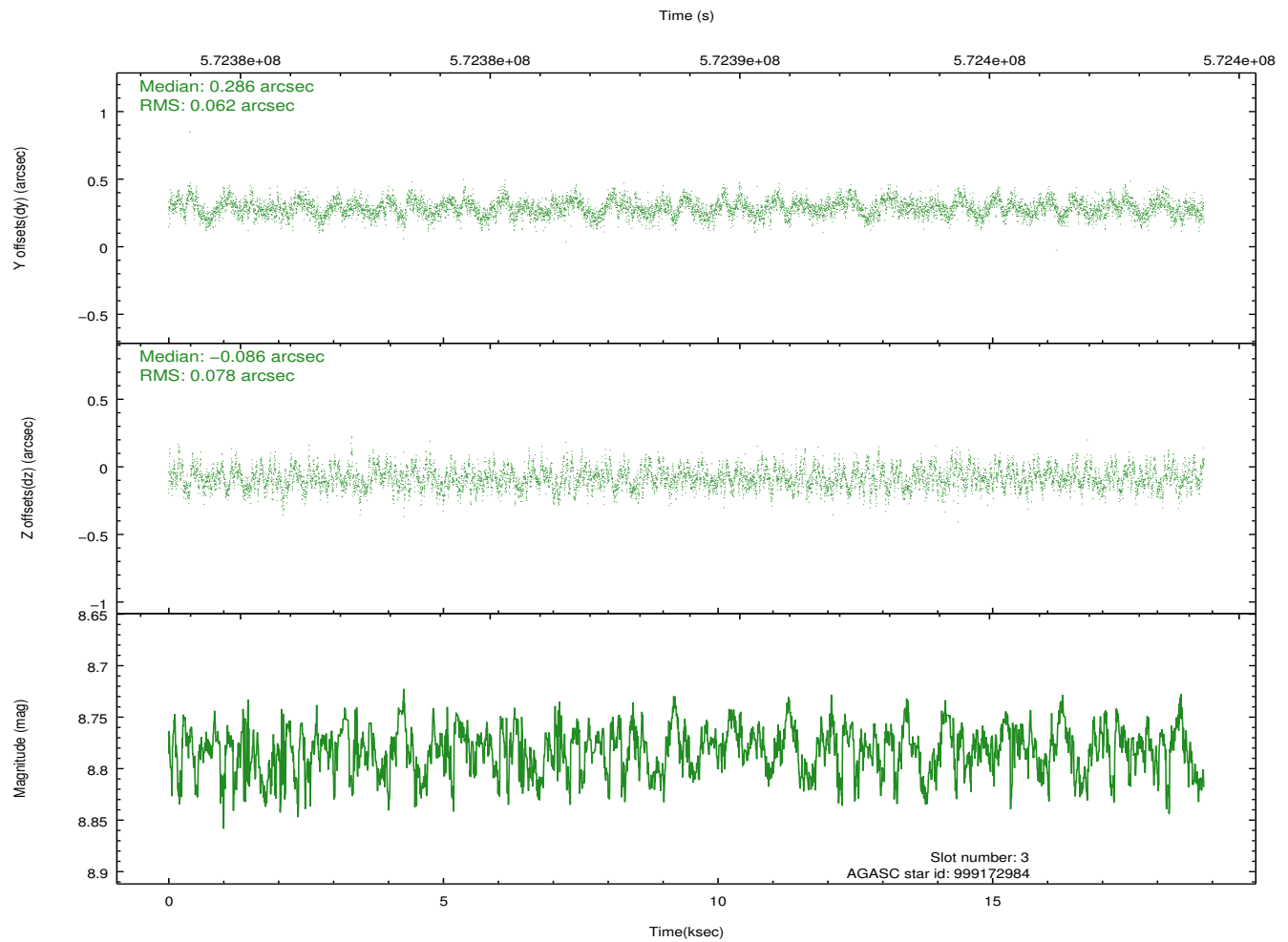
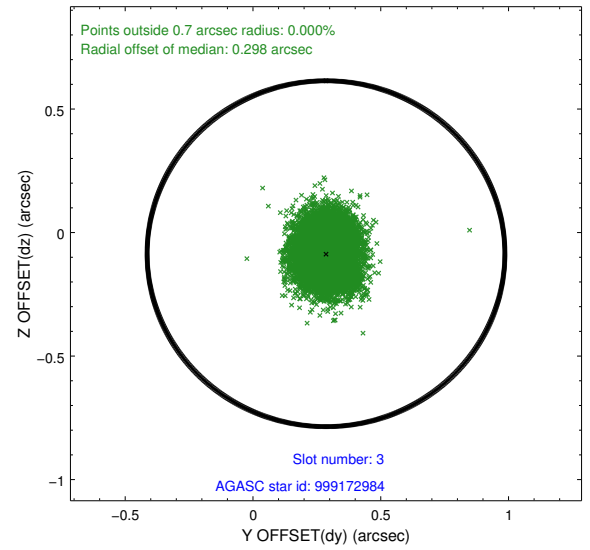
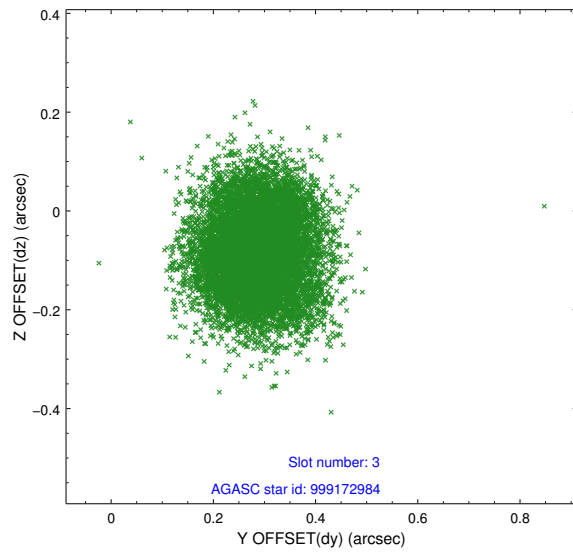


Slot Statistics

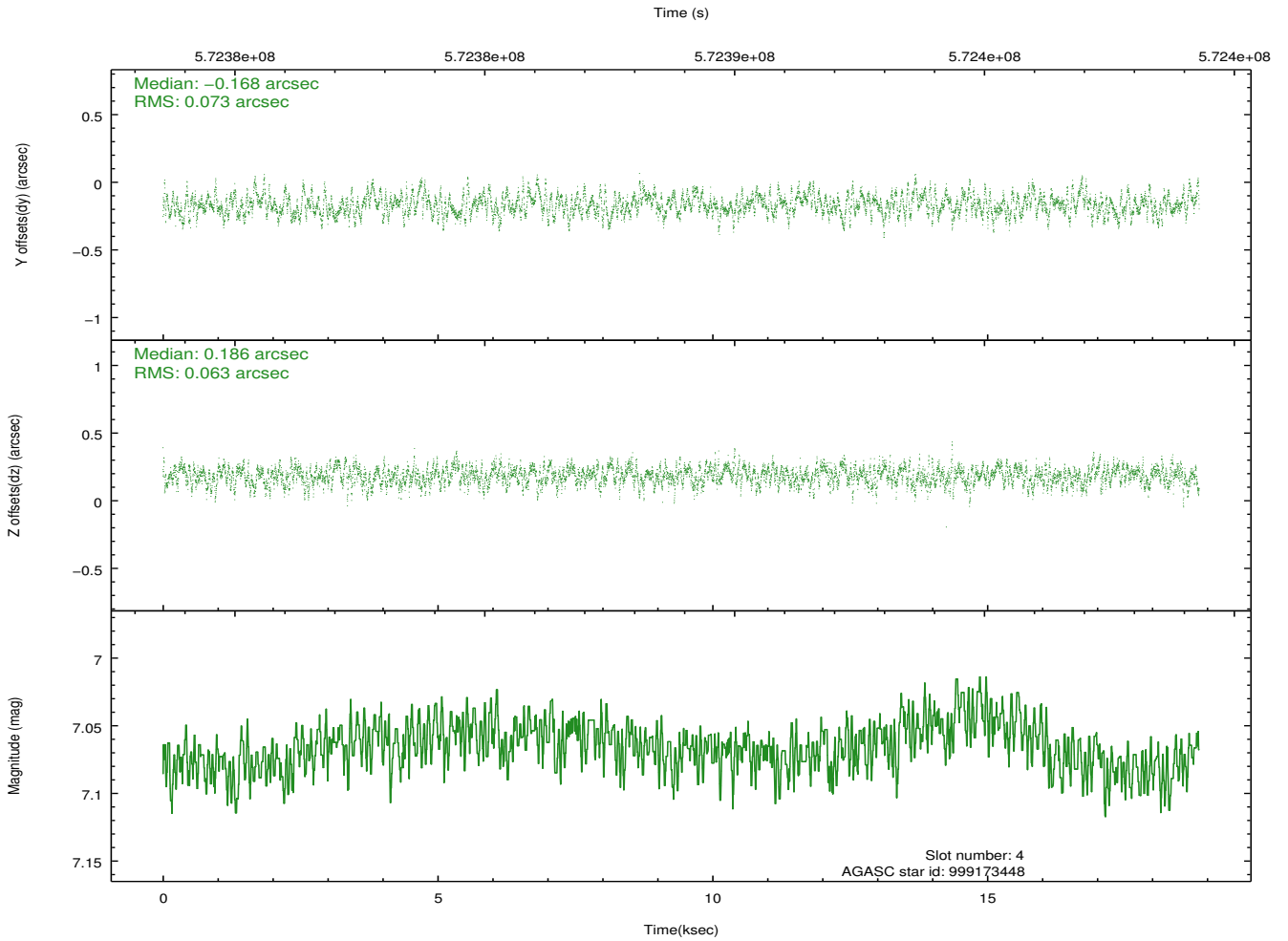
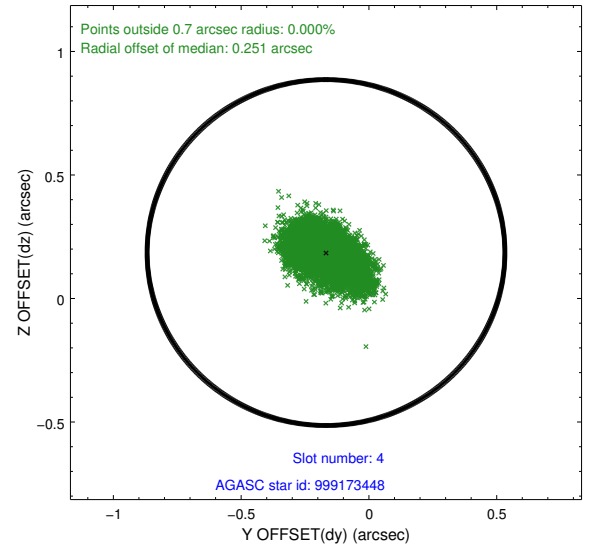
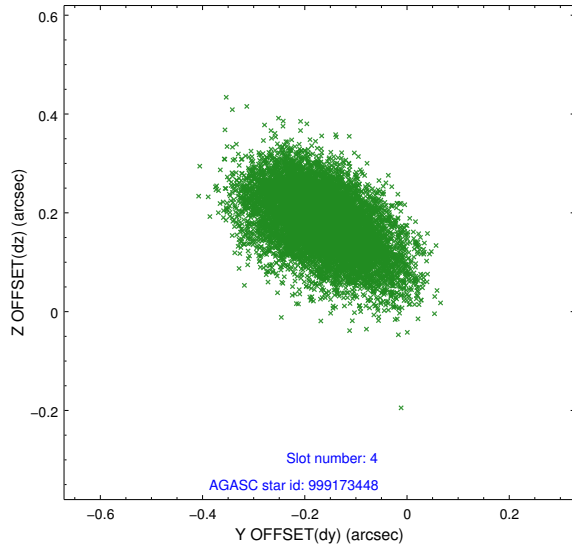
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.20	4599	-0.233	-0.084	0.016	0.024	0.000000	0.000000	-772.84	-1008.26
1	FID		ACIS-I-4	7.15	4599	0.405	0.146	0.013	0.023	0.000000	0.000000	2141.65	898.08
2	FID		ACIS-I-5	7.24	4598	-0.272	0.006	0.015	0.027	0.000000	0.000000	-1826.11	894.87
3	GUIDE	used	999172984	8.78	9182	0.286	-0.086	0.107	0.169	91.767031	-44.624936	-793.31	248.41
4	GUIDE	used	999173448	7.07	9196	-0.168	0.186	0.102	0.170	91.945787	-44.729319	-205.70	317.11
5	GUIDE	used	999174616	6.79	9196	-0.036	-0.041	0.119	0.191	92.144286	-44.356211	-815.74	1617.42
6	GUIDE	used	999302088	8.61	9190	-0.228	0.067	0.083	0.139	92.578892	-44.925881	1429.17	981.01
7	GUIDE	used	999302712	8.48	9192	0.142	-0.128	0.105	0.173	92.766275	-44.874060	1632.05	1452.17

2.4 Star Slots

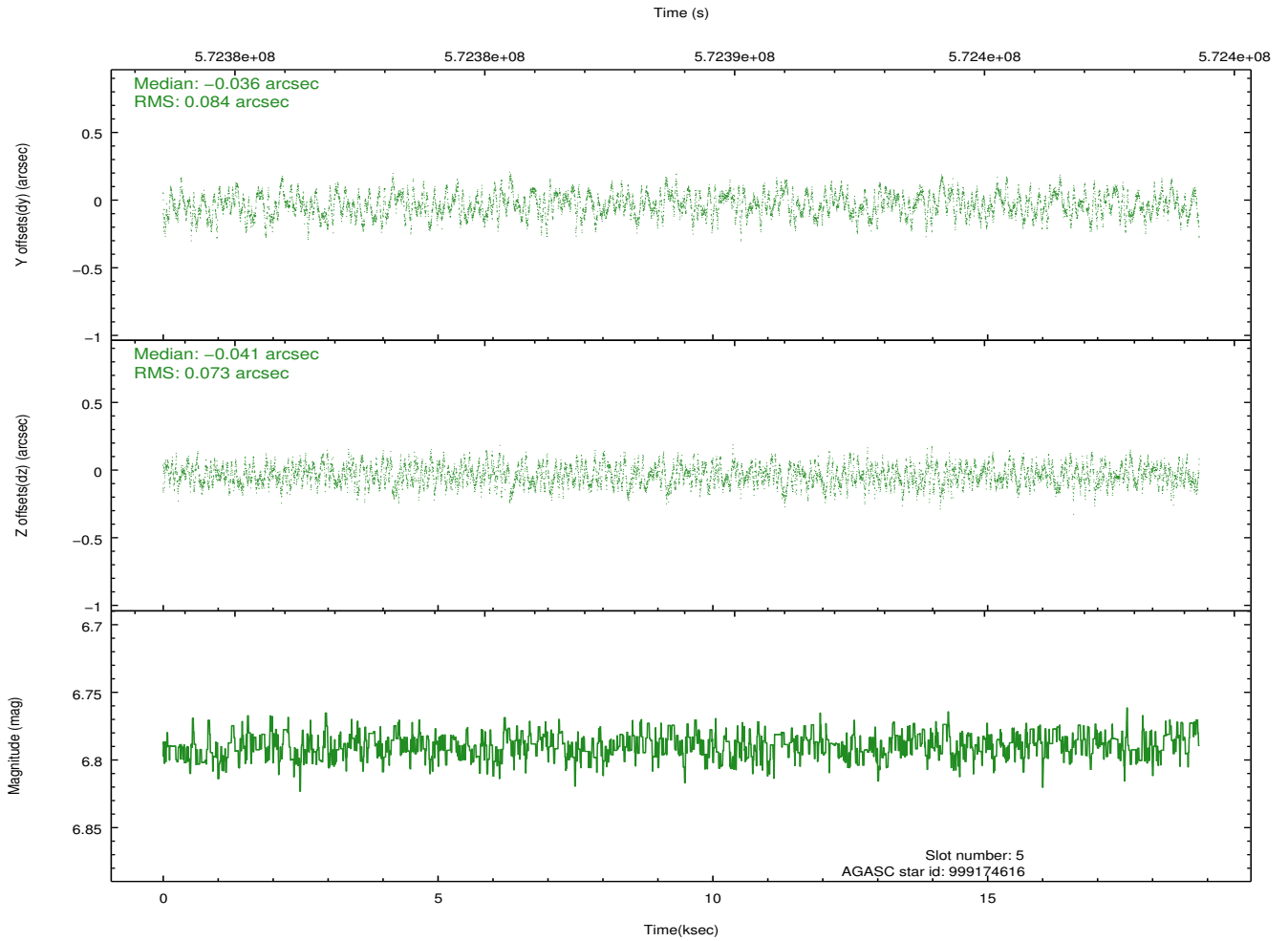
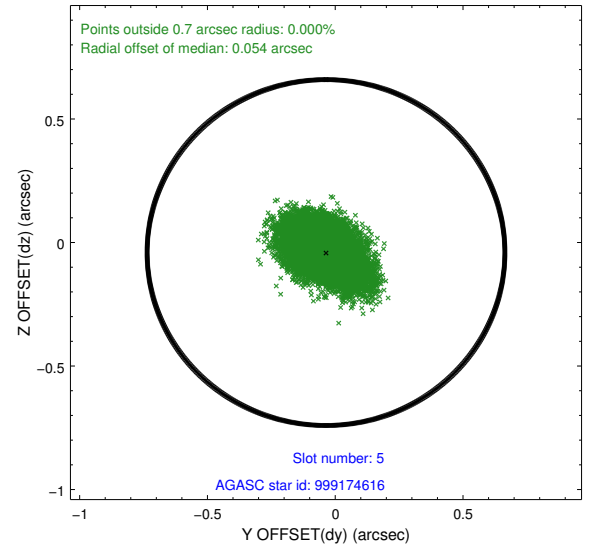
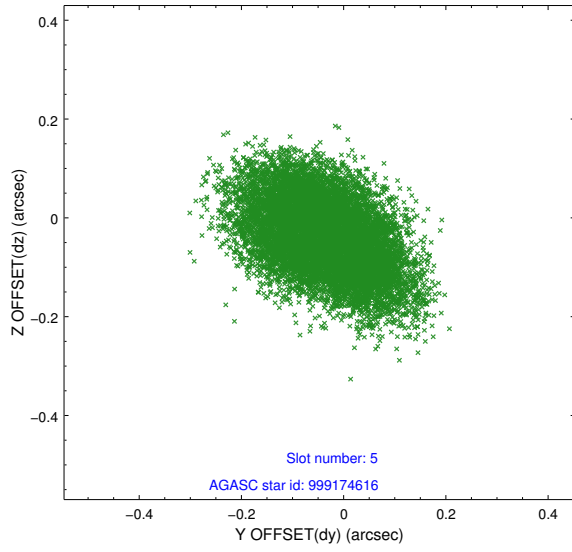
2.4.1 Slot 3



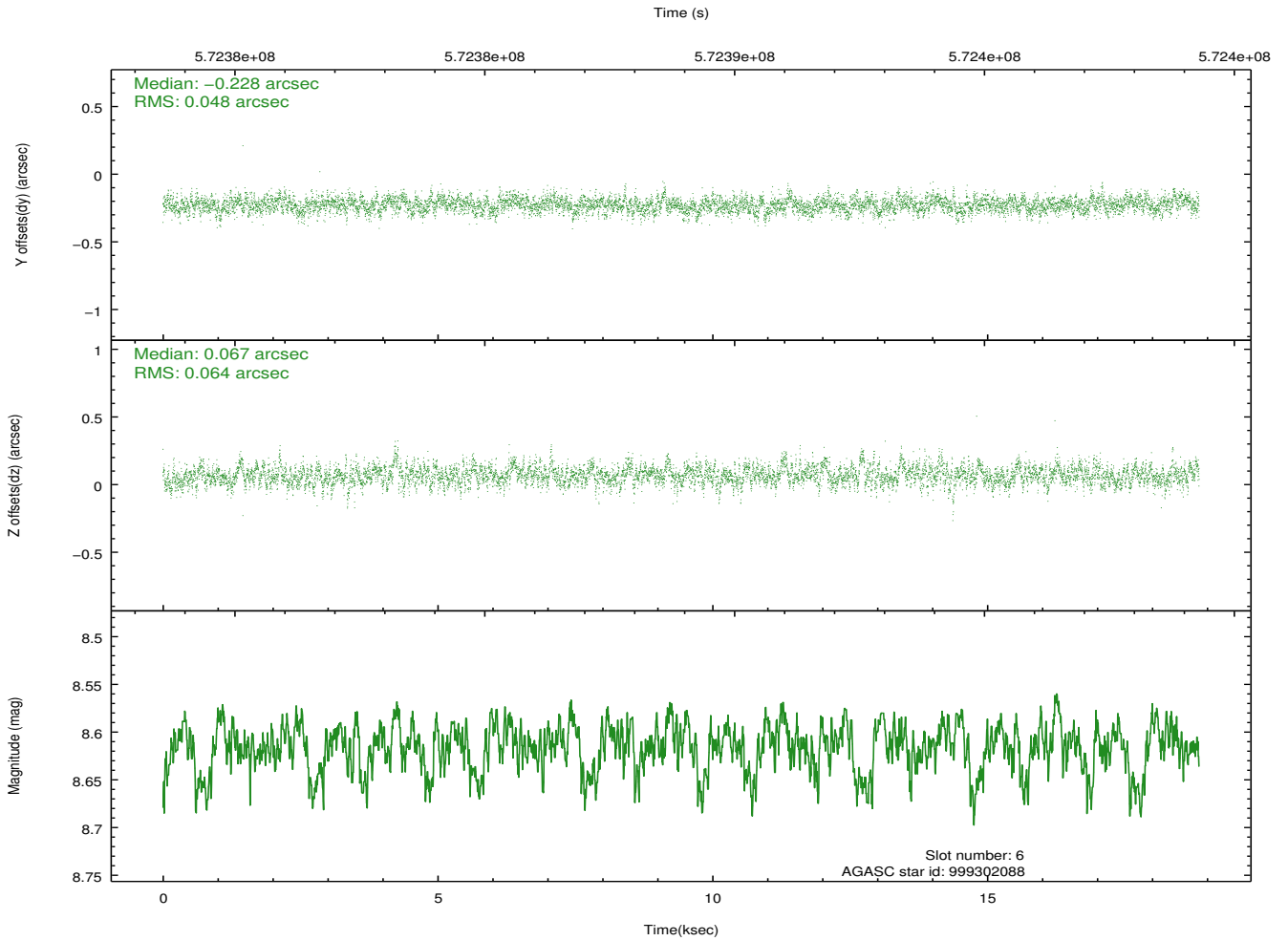
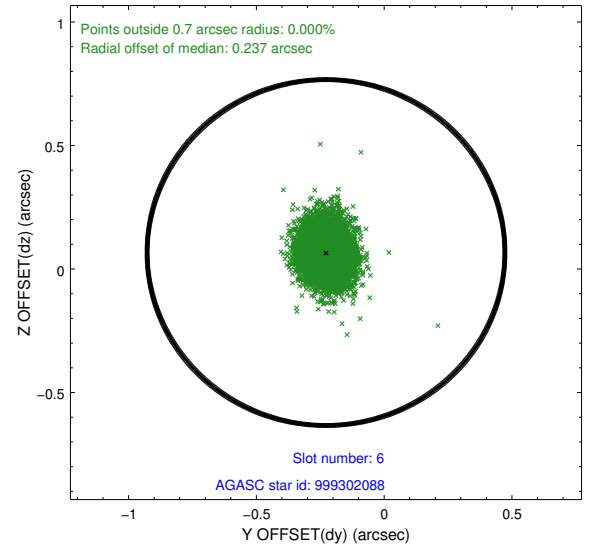
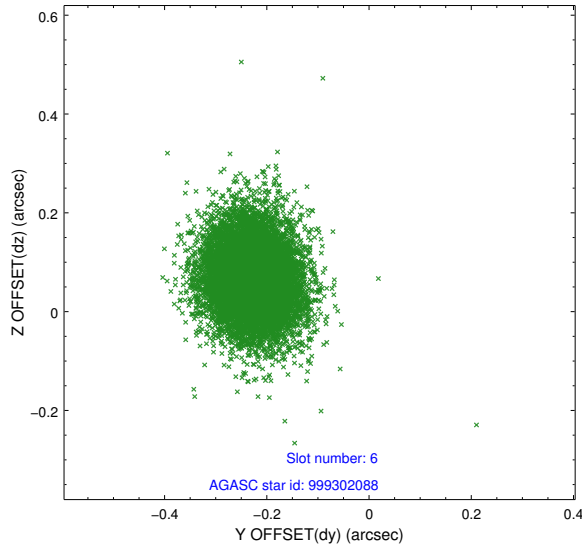
2.4.2 Slot 4



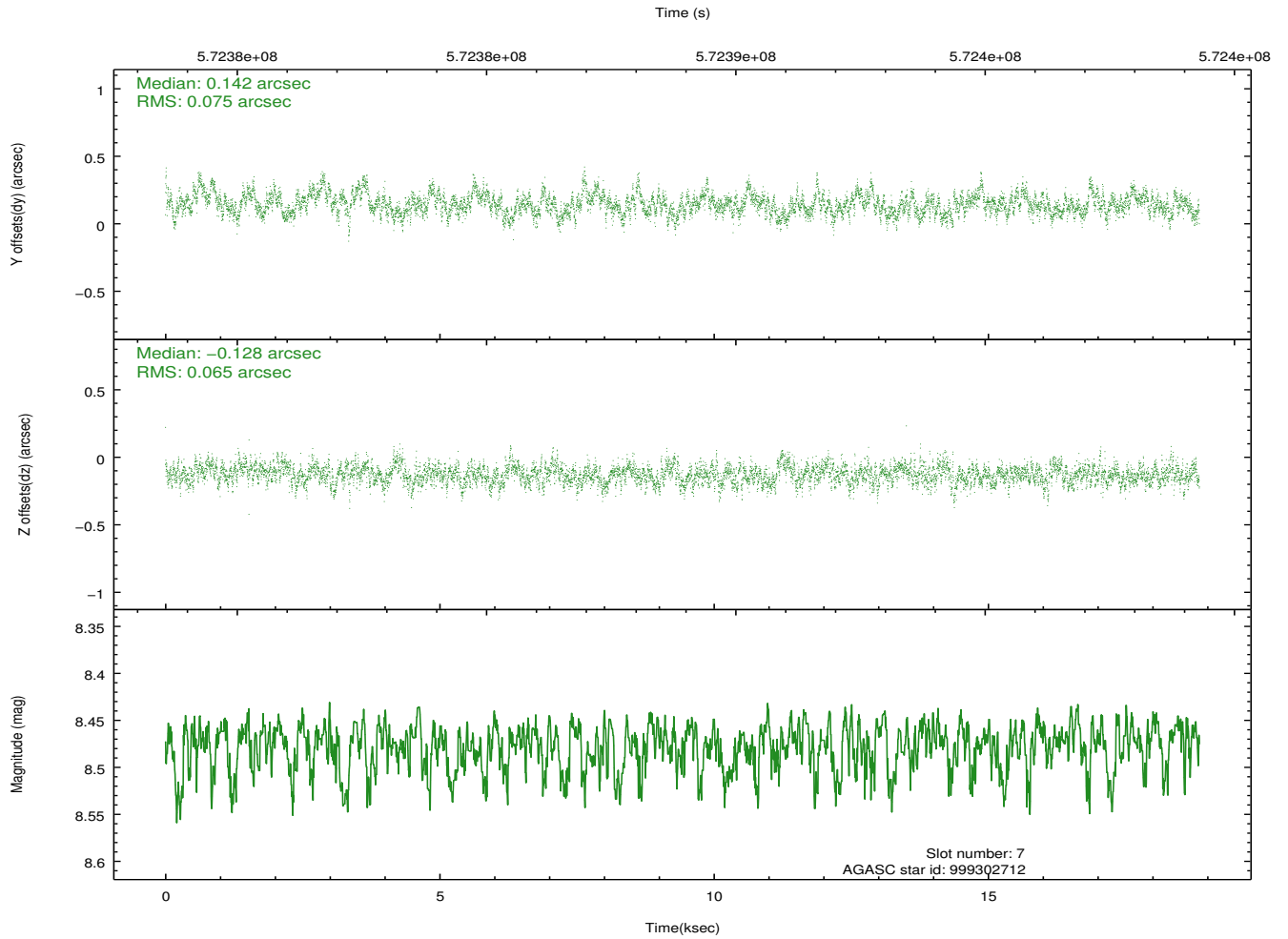
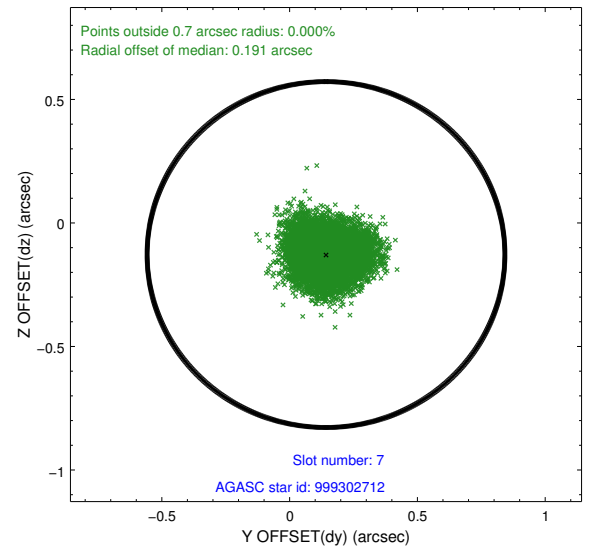
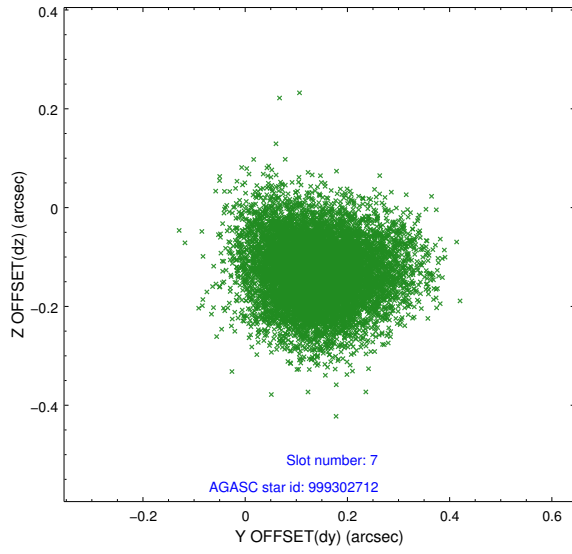
2.4.3 Slot 5



2.4.4 Slot 6

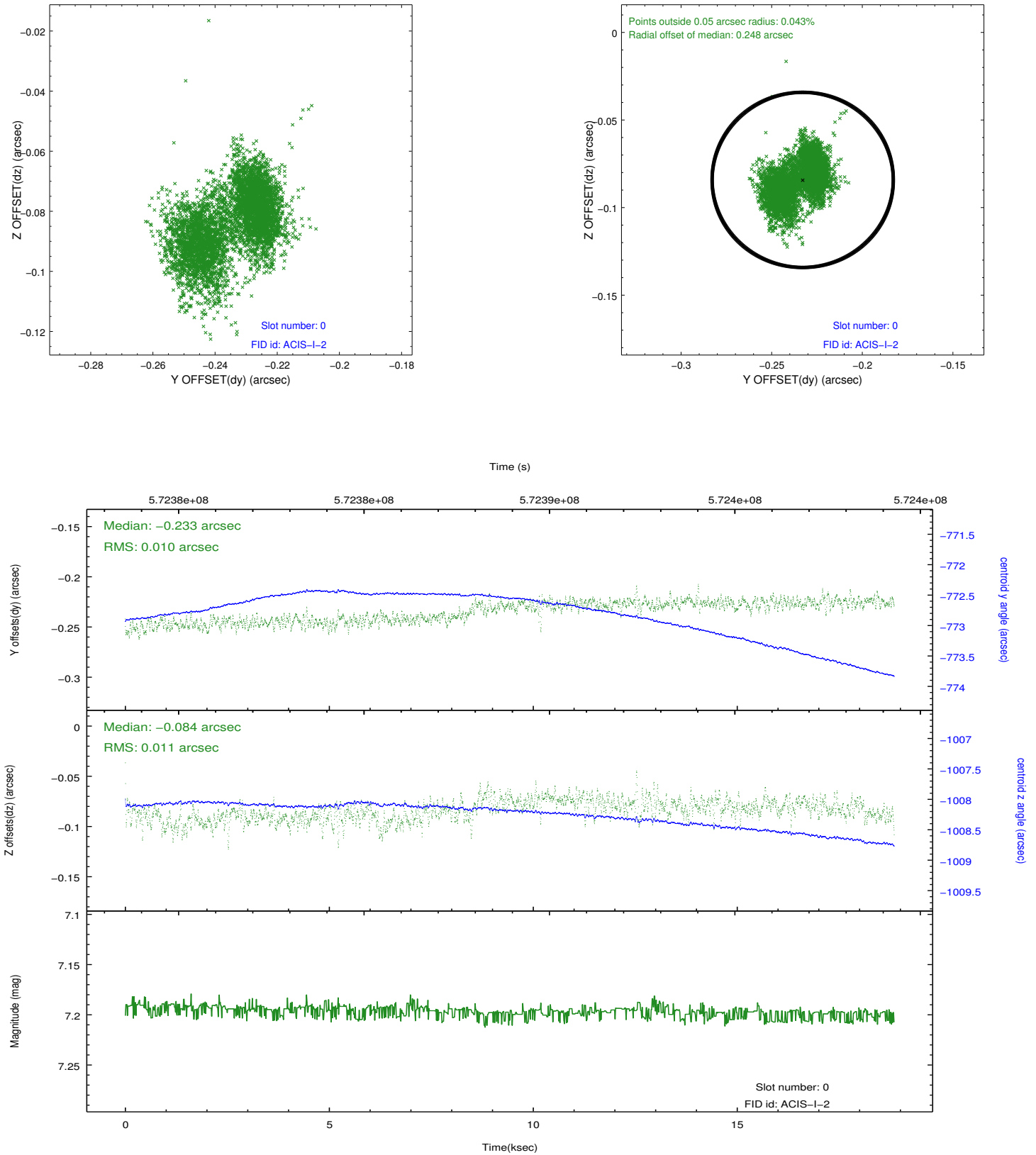


2.4.5 Slot 7

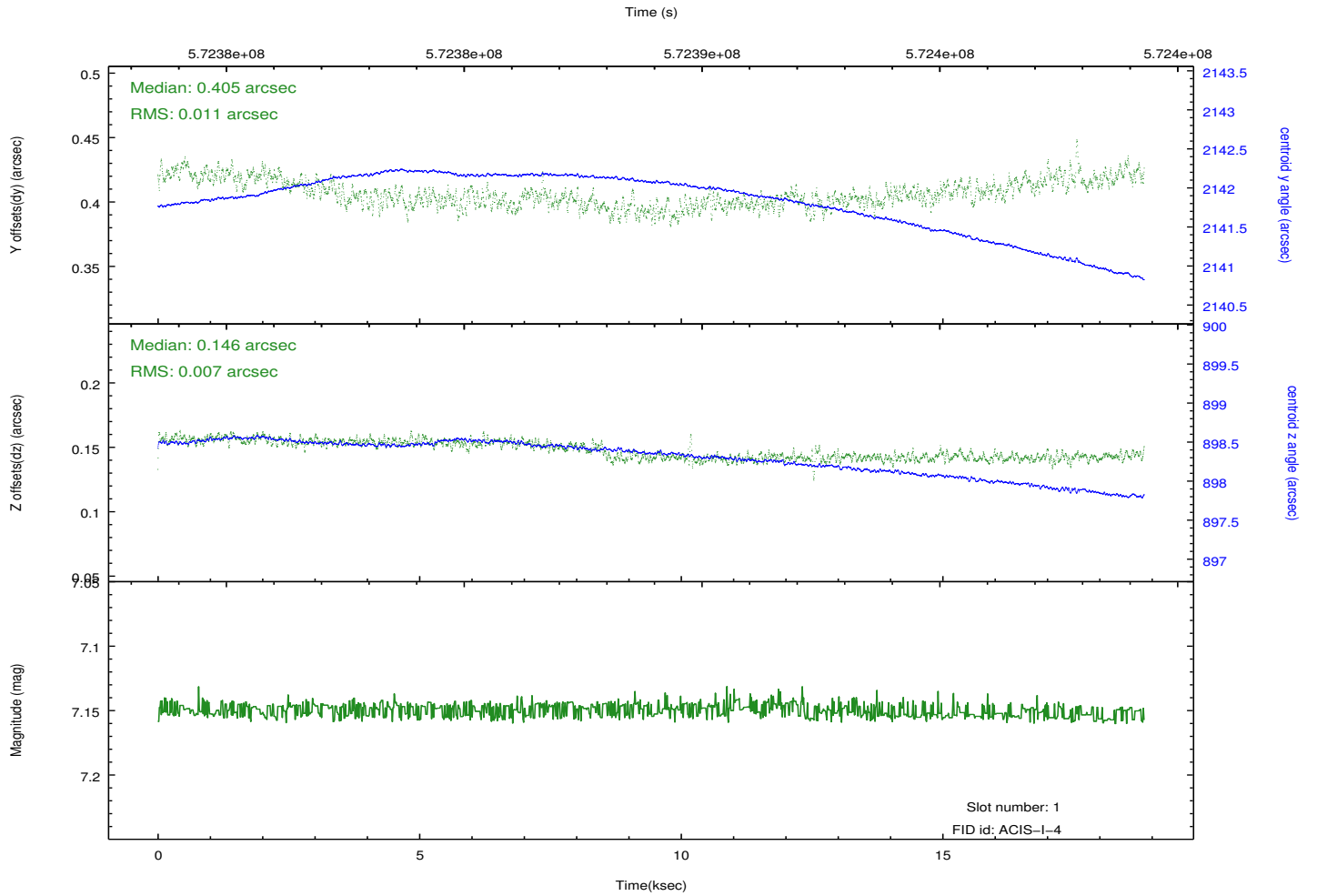
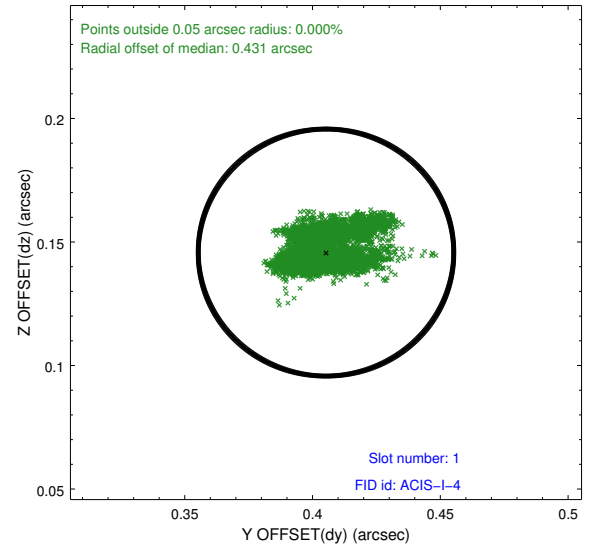
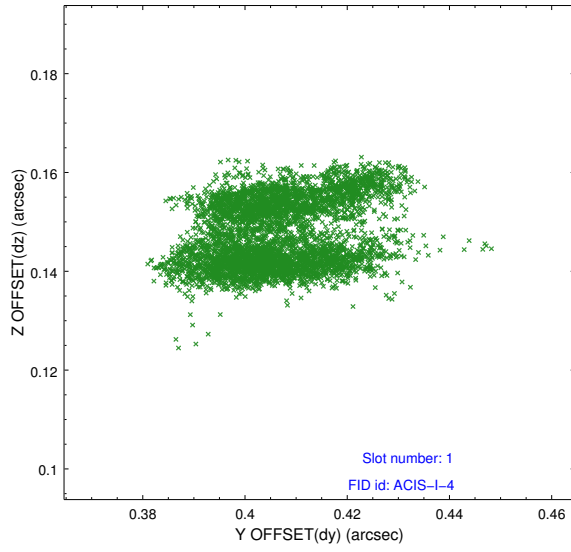


2.5 FID Slots

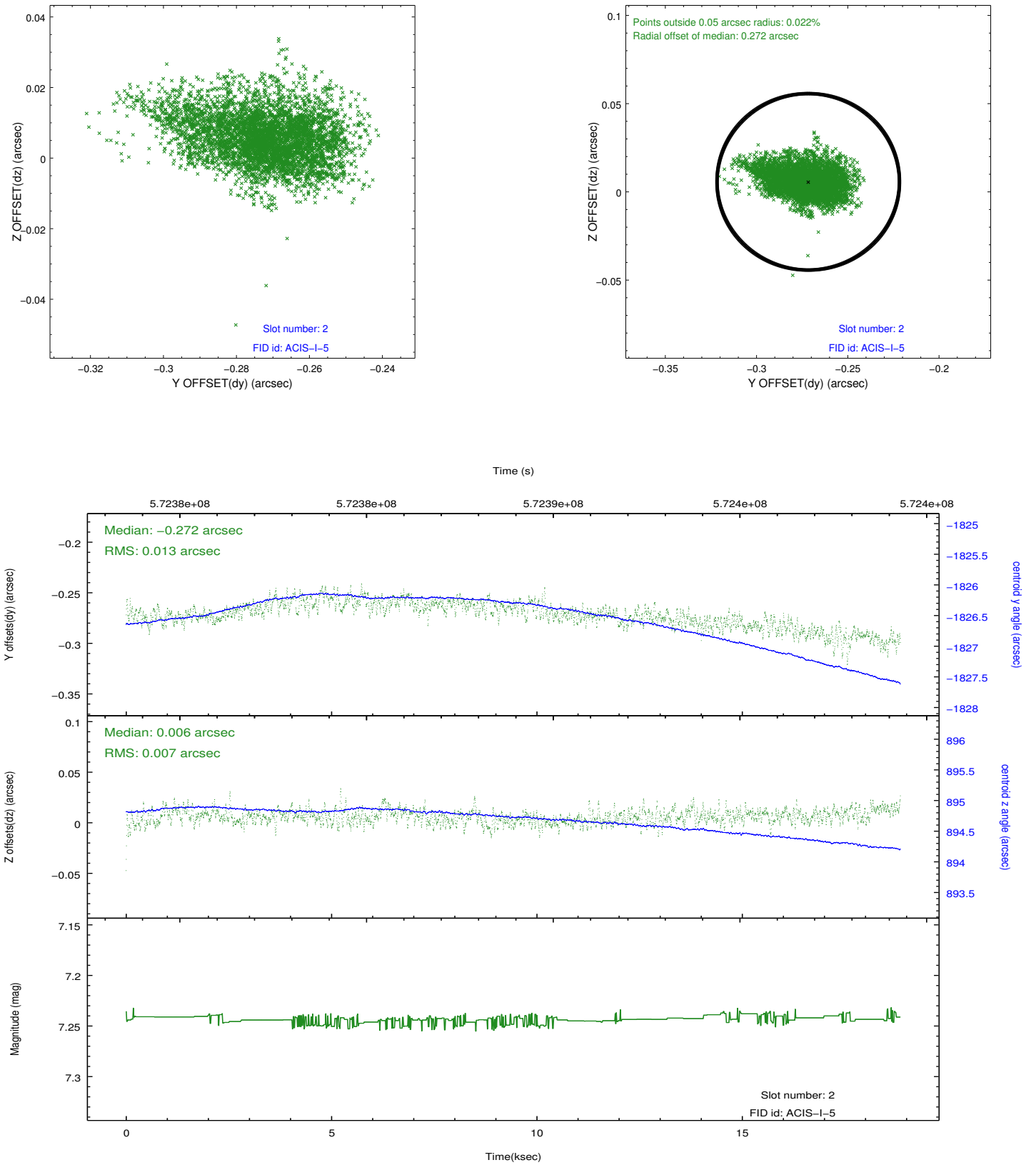
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.054400138974

A.2 Comments