

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11767 - L2 Version 2
Chandra X-Ray Center

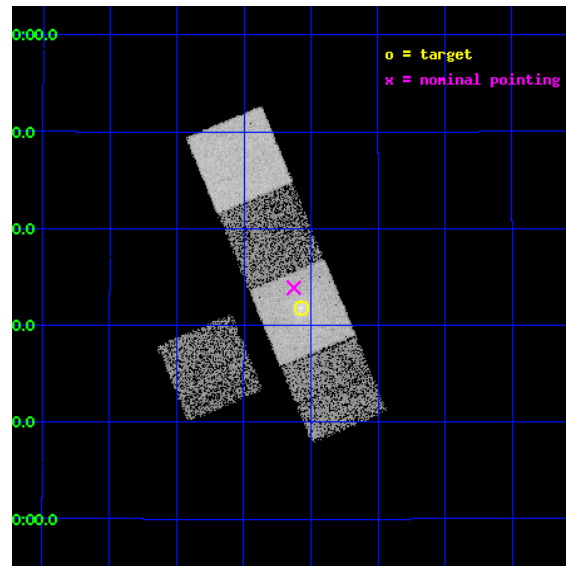
L2 Processing Date : Jul 4 2012

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1 Front

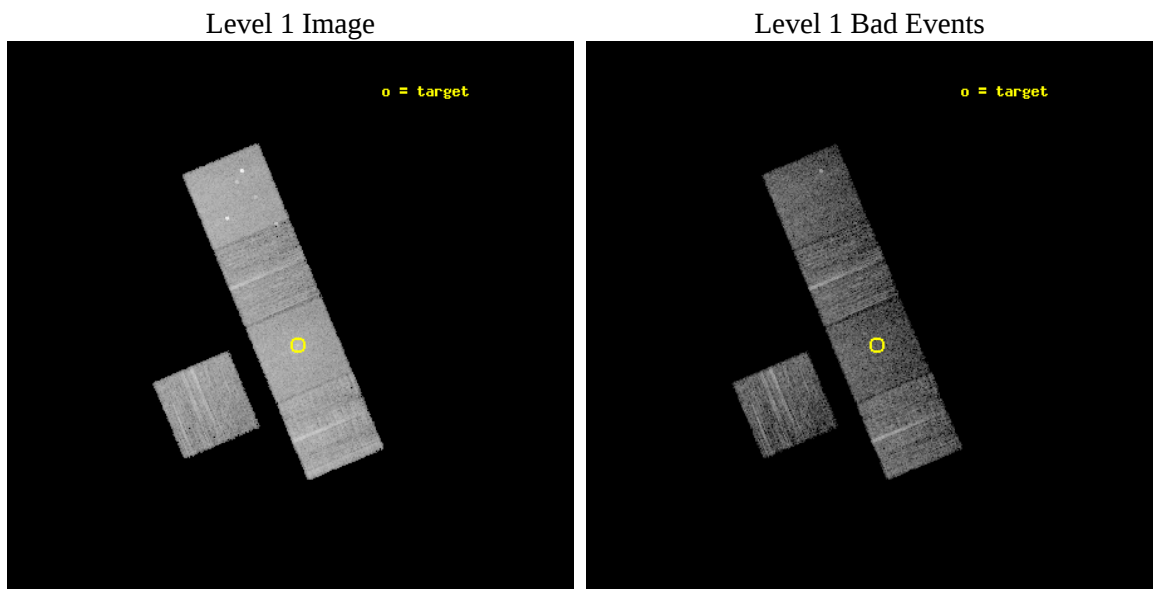
seq_num	800907	Sequence number
obs_id	11767	Observation id
title	The X-Ray, SZ, and Optical Scaling Relations of Massive Galaxy Clusters	Proposal title
observer	Dr. Eli Rykoff	Principal investigator
object	A801	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	142.01875	Observer's specified target RA [deg]
dec_targ	20.529222	Observer's specified target Dec [deg]
ra_nom	142.03173743508	Nominal RA [deg]
dec_nom	20.564728057169	Nominal Dec [deg]
roll_nom	67.339644562205	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6720.3973785043	Sum of GTIs [s]
livetime	6632.5904392695	Livetime [s]
ontime3	6720.2742584944	Sum of GTIs [s]
ontime5	6720.356338501	Sum of GTIs [s]
ontime6	6720.3152984977	Sum of GTIs [s]
ontime7	6720.3973785043	Sum of GTIs [s]
ontime8	6713.9511185288	Sum of GTIs [s]
l2events	78742	Number of level 2 events



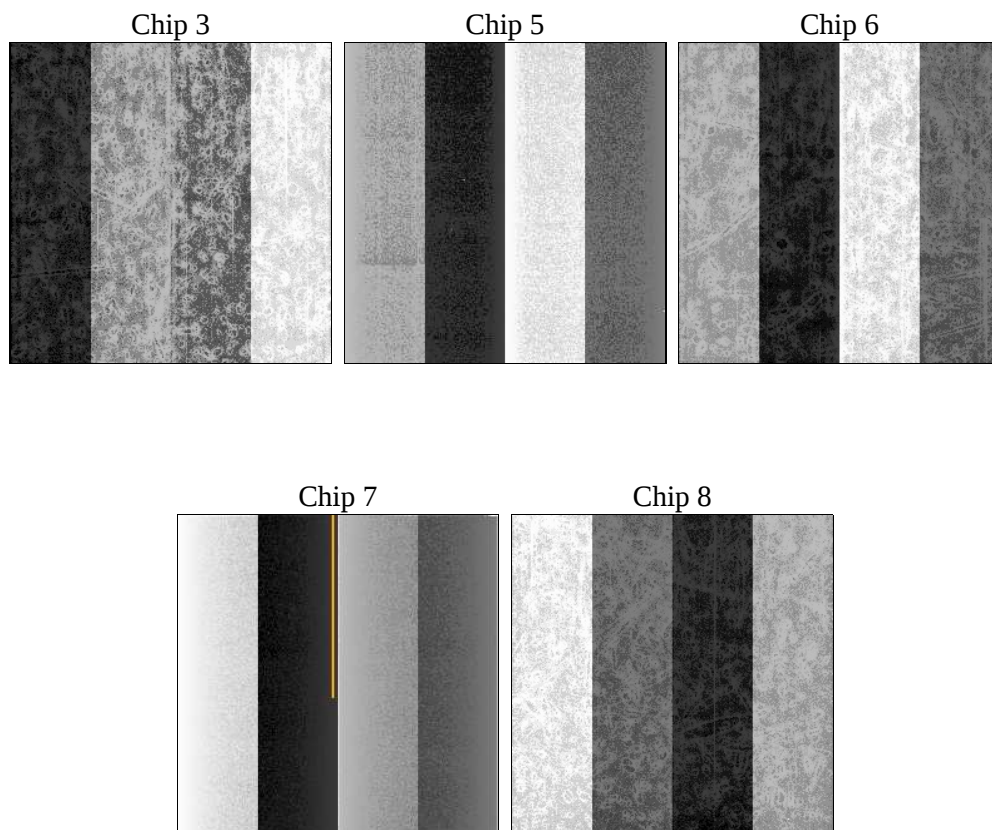
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6948.291000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6720.3973785043	Sum of GTIs [s]
caldbver	4.5.0	 	ontime3	6720.2742584944	Sum of GTIs [s]
date	2012-07-04T03:12:25	Date and time of file creation	ontime5	6720.356338501	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6720.3152984977	Sum of GTIs [s]
			ontime7	6720.3973785043	Sum of GTIs [s]
			ontime8	6713.9511185288	Sum of GTIs [s]
			l1events	303153	Number of level 1 events

2.1.4 Events

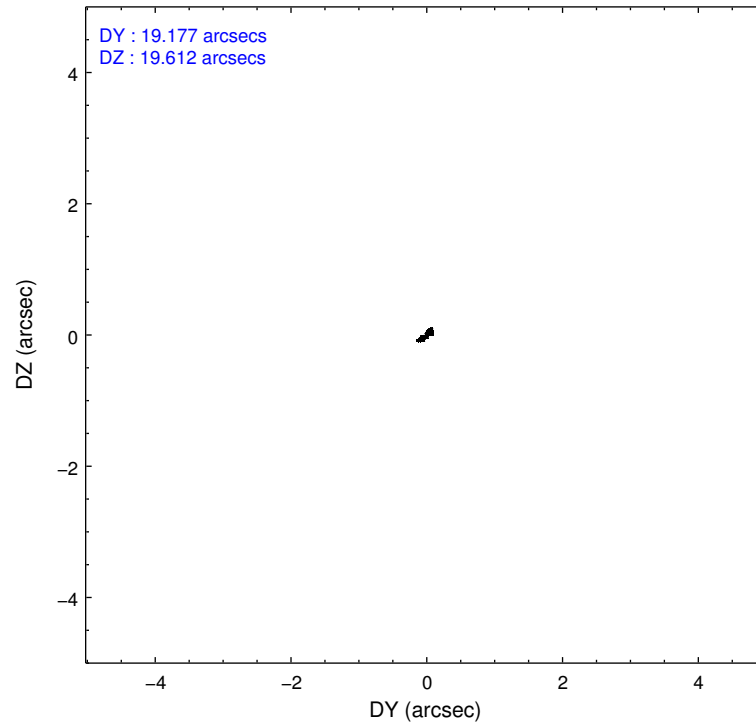
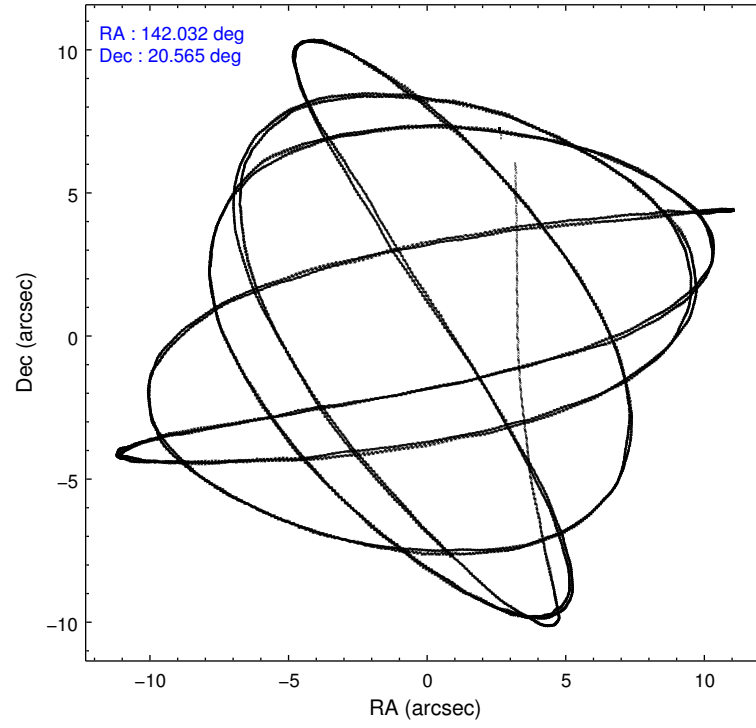
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47878	75964	49364	63671	66276
rejected events	42974	37711	43785	33391	49700
rejected %	89%	49%	88%	52%	74%

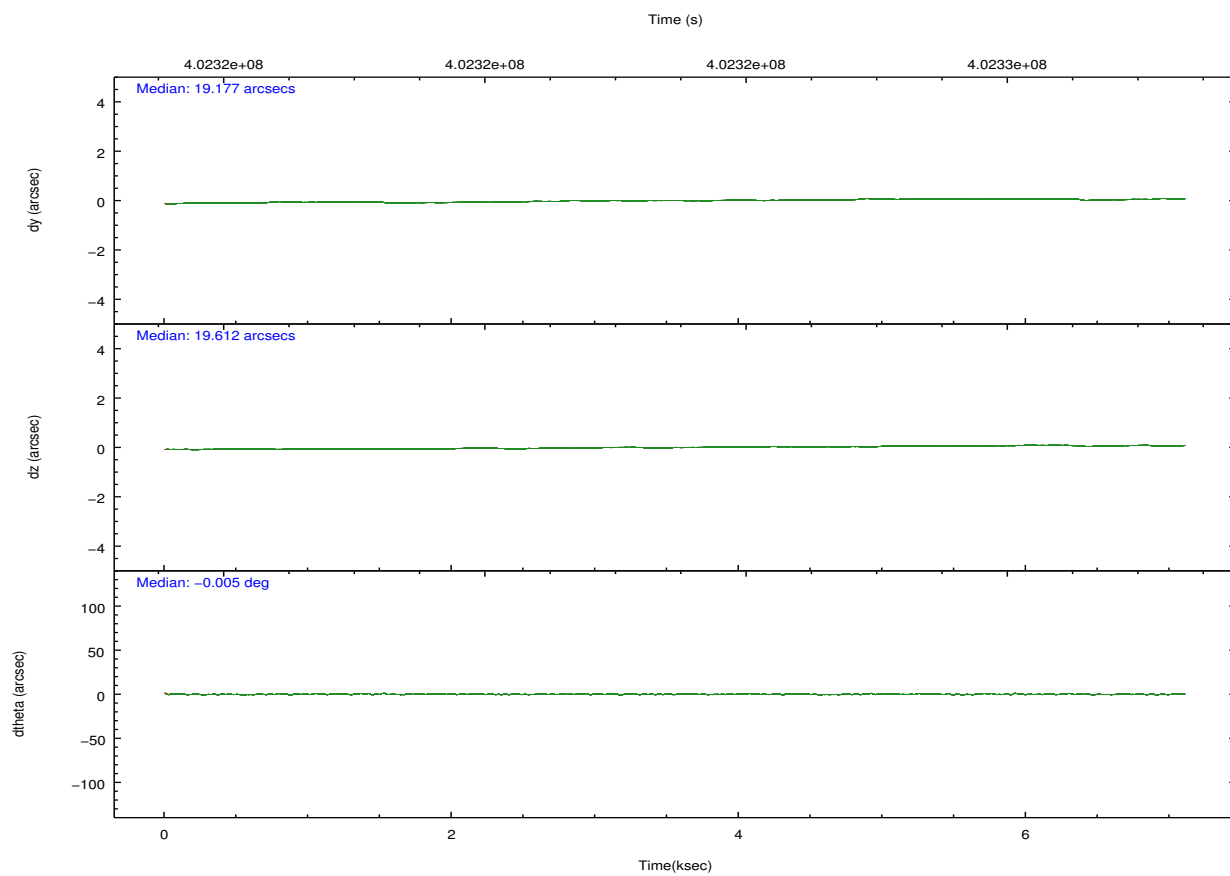
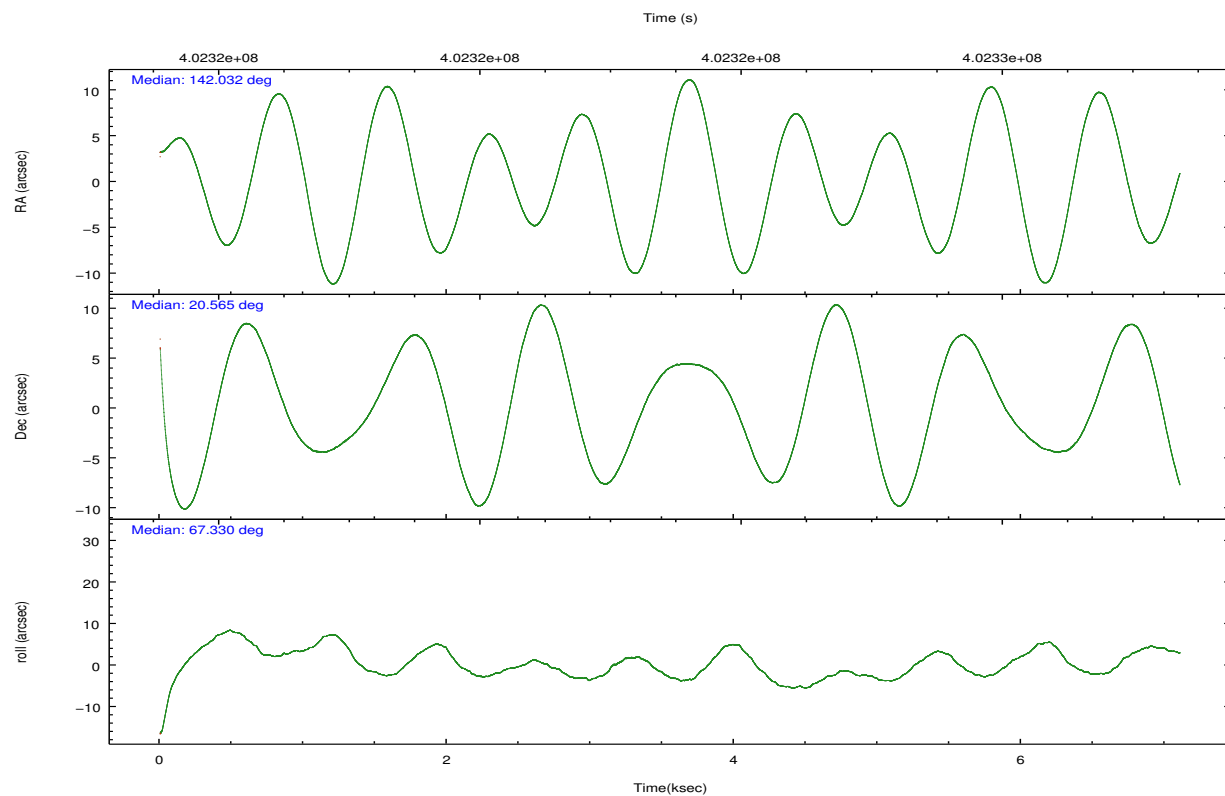
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1749	4882	1928	3563	5069
	3%	6%	3%	5%	7%
grade 1 events	21	360	28	68	56
	0%	0%	0%	0%	0%
grade 2 events	1091	11374	1280	6415	3898
	2%	14%	2%	10%	5%
grade 3 events	565	1470	599	2674	1806
	1%	1%	1%	4%	2%
grade 4 events	529	1459	598	2754	1626
	1%	1%	1%	4%	2%
grade 5 events	2238	5628	2301	6299	3214
	4%	7%	4%	9%	4%
grade 6 events	973	19092	1174	14882	4188
	2%	25%	2%	23%	6%
grade 7 events	40712	31699	41456	27016	46419
	85%	41%	83%	42%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	142.035864	142.0317374350765	Subarray requested	NONE	NONE
[deg] Pointing Dec	20.537670	20.56472805716908	Alternating exposures requested	N	N
[deg] Pointing Roll	67.181609	67.33964456220549	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	402320067.184000	402318607.11517			
Observation start date	2010-10-01T11:33:21	2010-10-01T11:10:07			
[s] Observation end time (MET)	402327015.184000	402327241.20311			
Observation end date	2010-10-01T13:29:09	2010-10-01T13:34:01			
Read mode	TIMED	TIMED			

2.3 Aspect



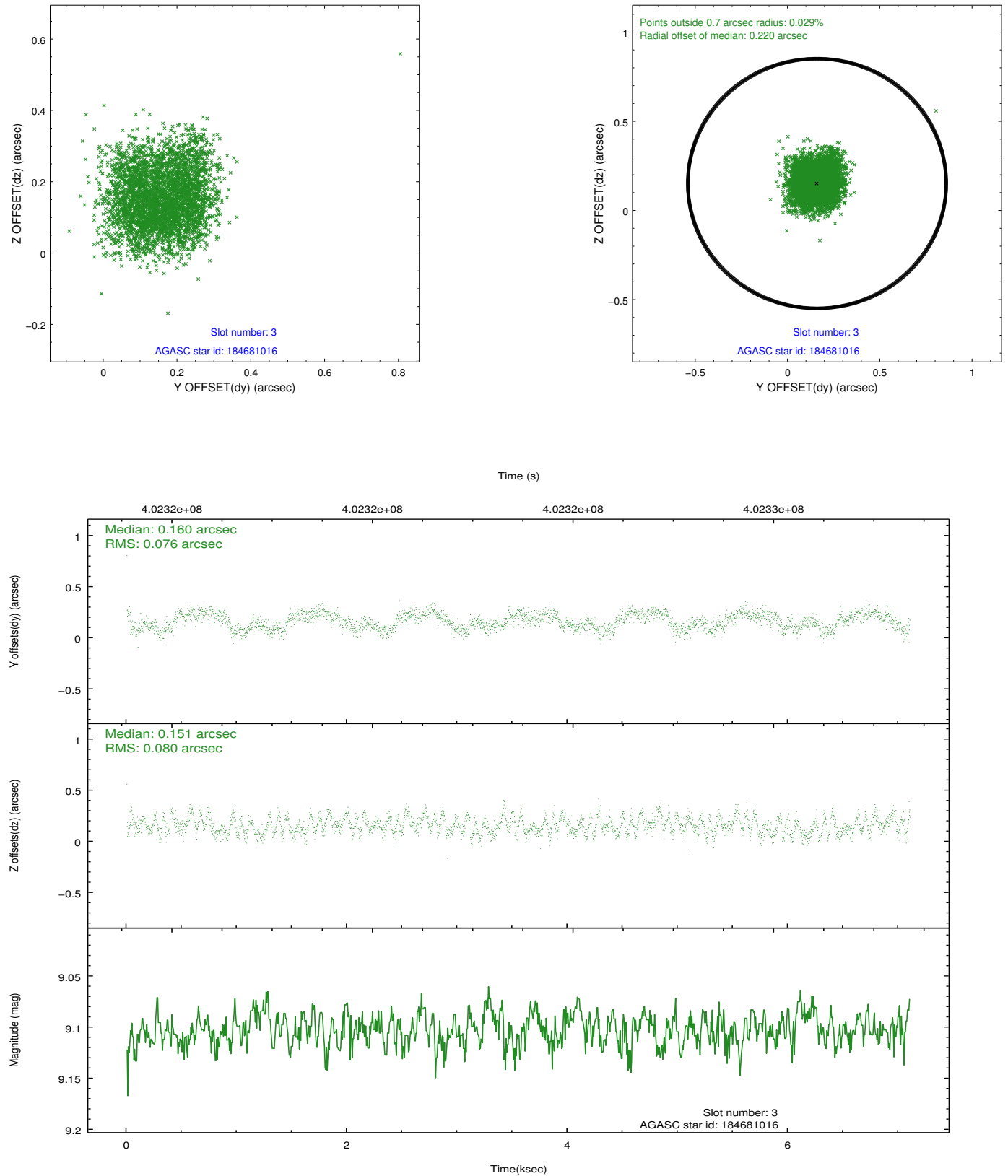


Slot Statistics

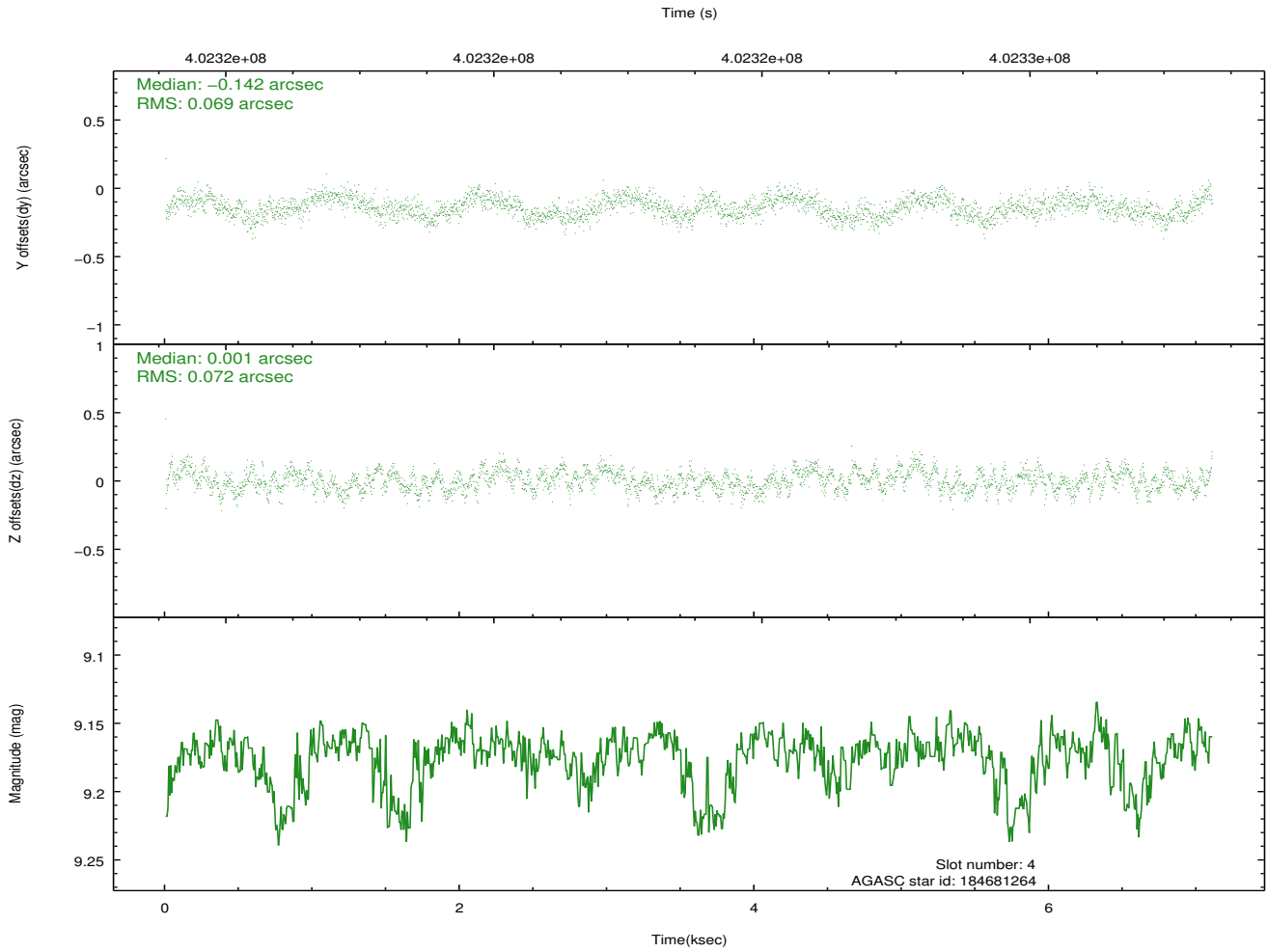
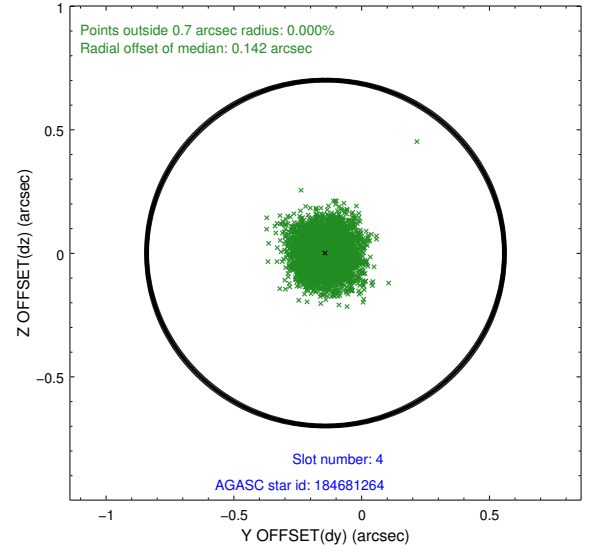
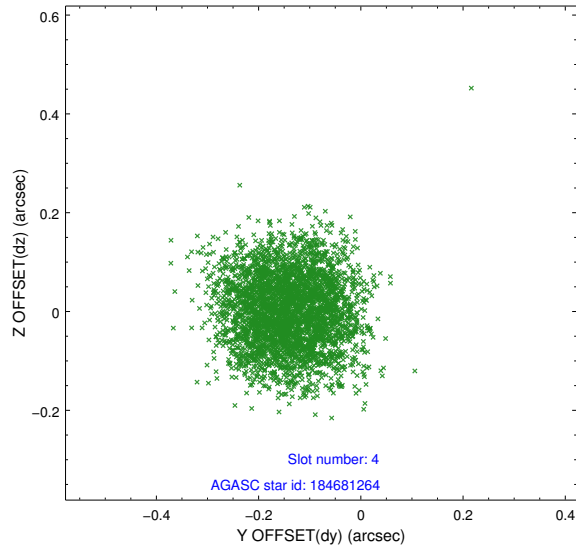
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	1733	0.032	-0.010	0.007	0.011	0.000000	0.000000	923.81	-1736.70
1	FID	ACIS-S-4	6.97	1733	0.167	-0.004	0.006	0.010	0.000000	0.000000	2141.80	166.62
2	FID	ACIS-S-5	7.01	1733	-0.227	0.027	0.006	0.011	0.000000	0.000000	-1824.29	161.15
3	GUIDE	184681016	9.10	3466	0.160	0.151	0.119	0.182	142.380201	20.136214	-879.12	-1632.96
4	GUIDE	184681264	9.17	3449	-0.142	0.001	0.107	0.165	142.186791	20.707633	758.93	-227.88
5	GUIDE	184682808	9.87	3463	-0.236	0.261	0.128	0.212	142.705352	20.556639	943.38	-2051.56
6	GUIDE	184693448	9.00	3464	0.092	-0.200	0.103	0.161	141.605778	20.447975	-858.24	1211.98
7	GUIDE	184680672	9.74	3426	0.124	-0.215	0.123	0.212	141.420635	20.365223	-1375.08	1674.08

2.4 Star Slots

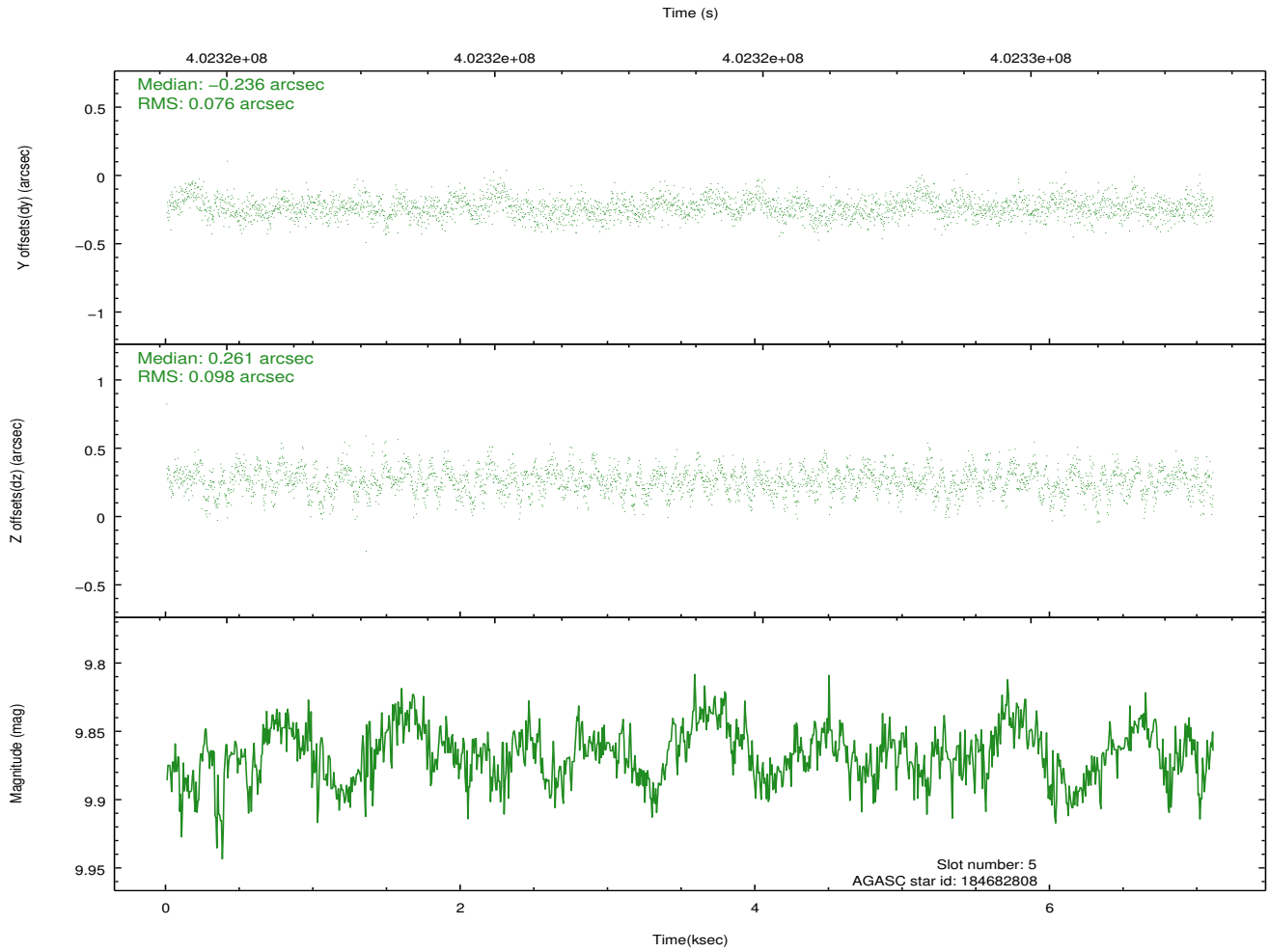
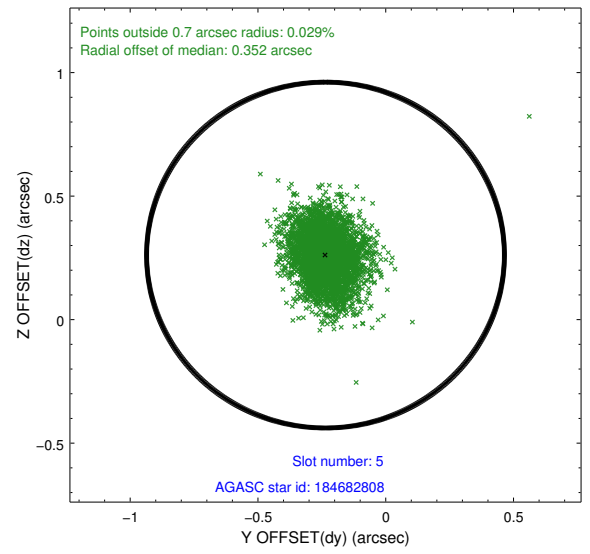
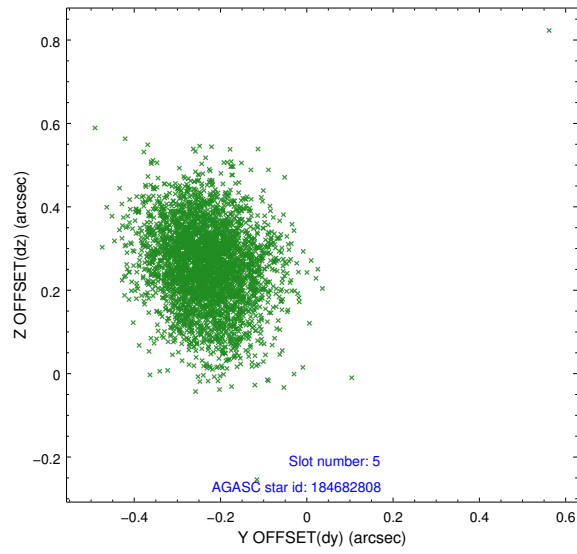
2.4.1 Slot 3



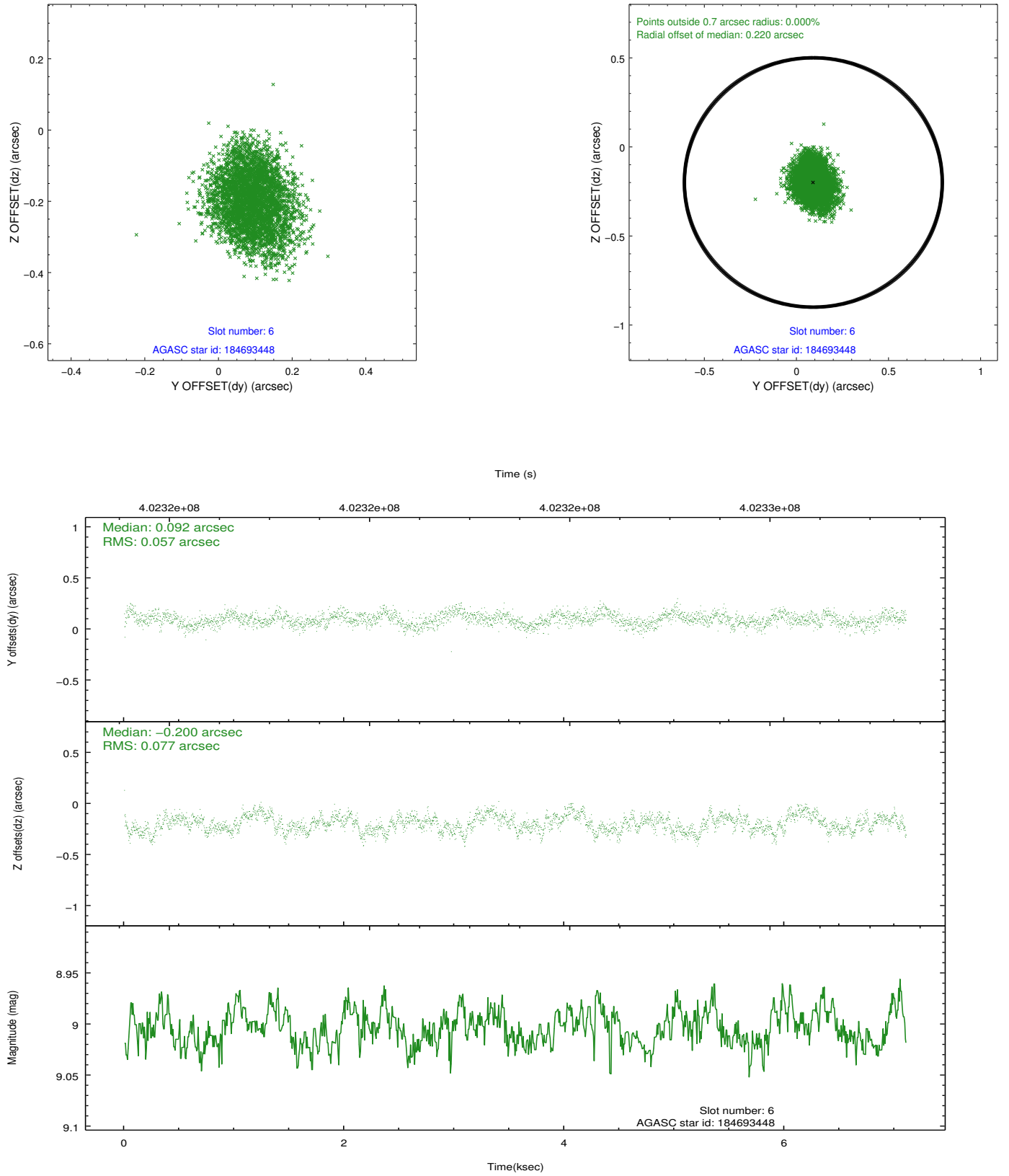
2.4.2 Slot 4



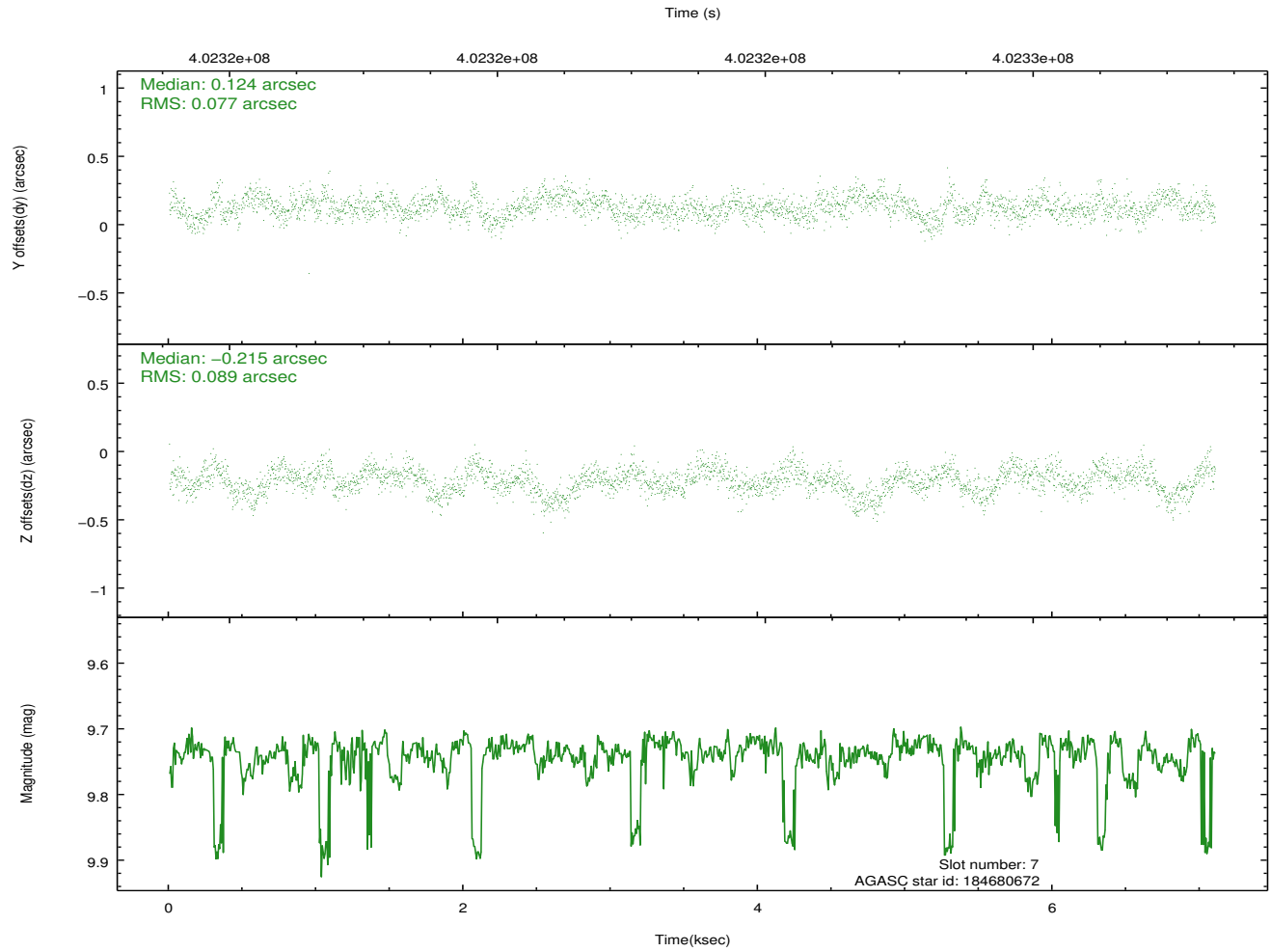
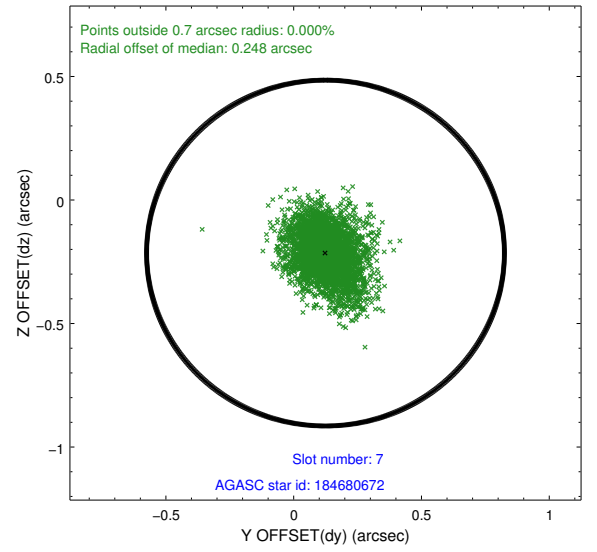
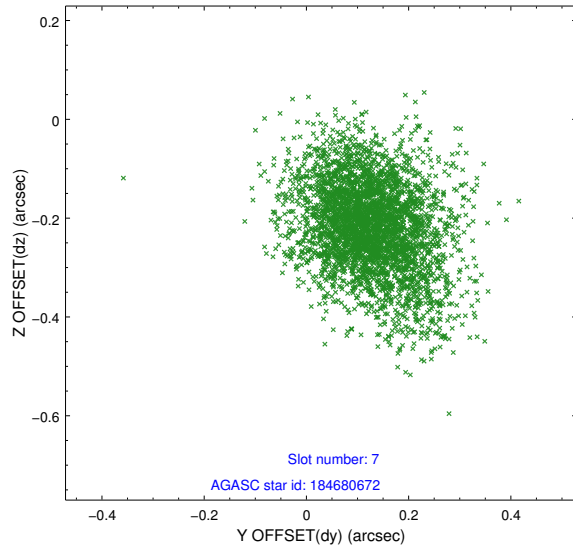
2.4.3 Slot 5



2.4.4 Slot 6

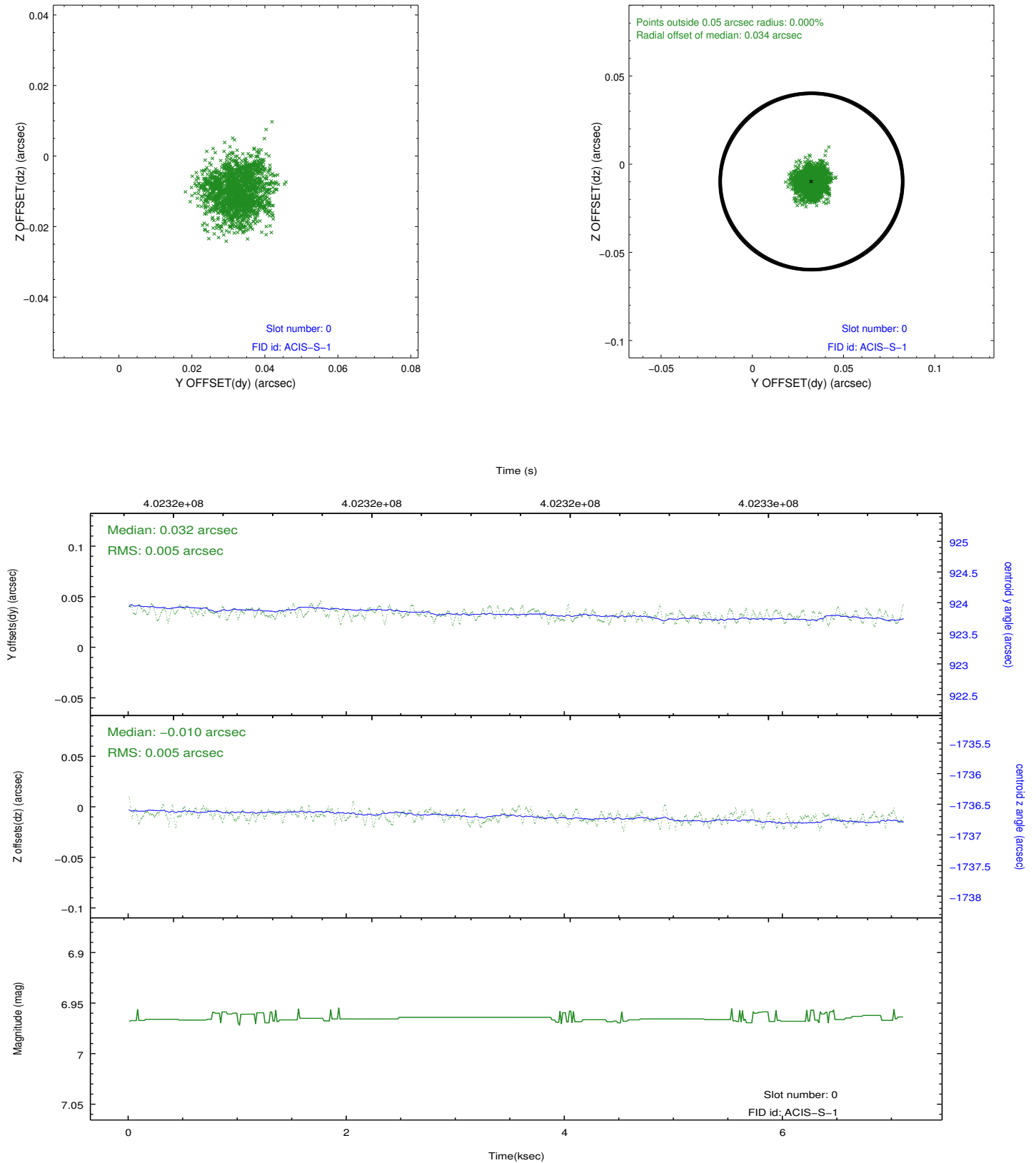


2.4.5 Slot 7

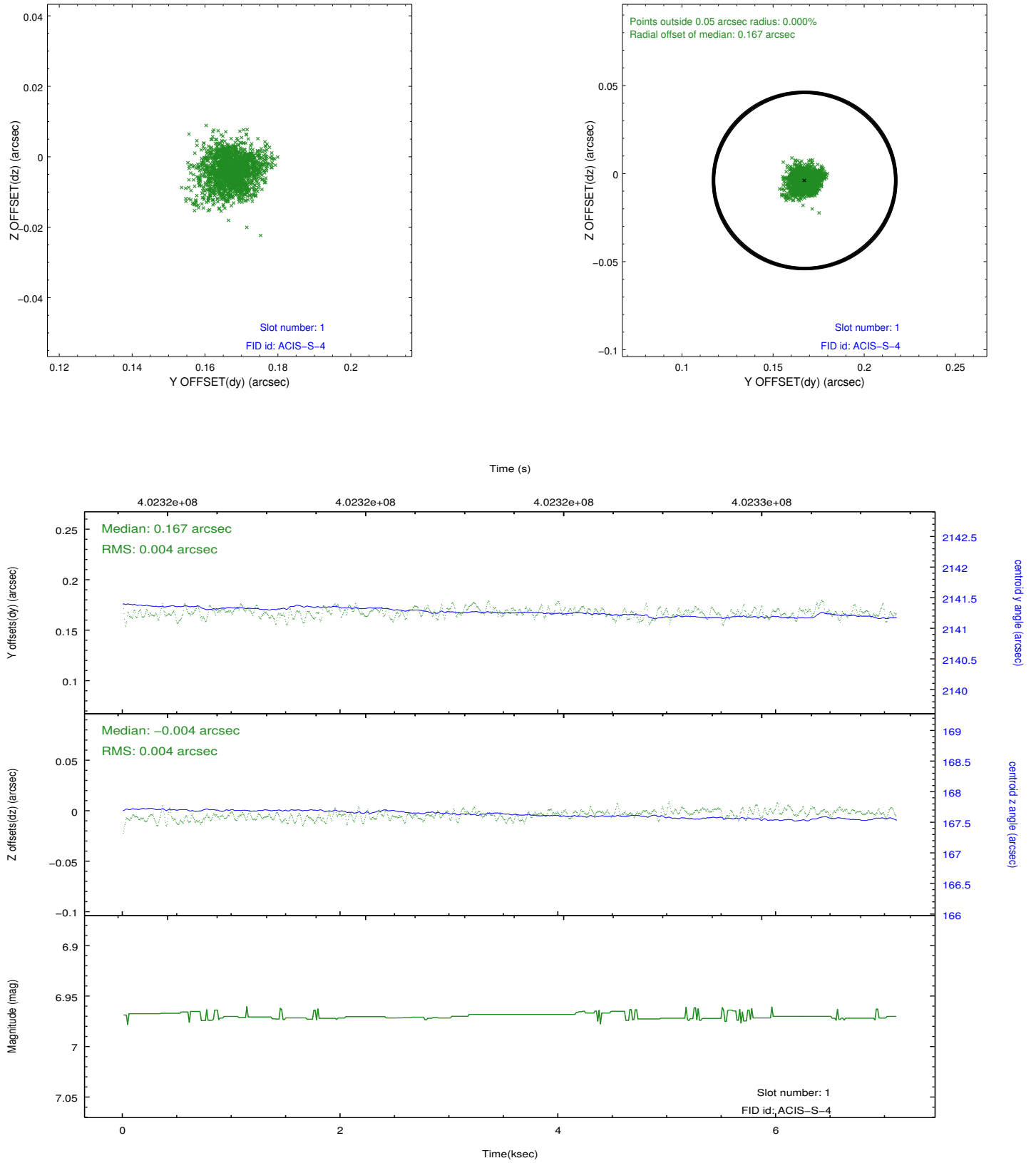


2.5 FID Slots

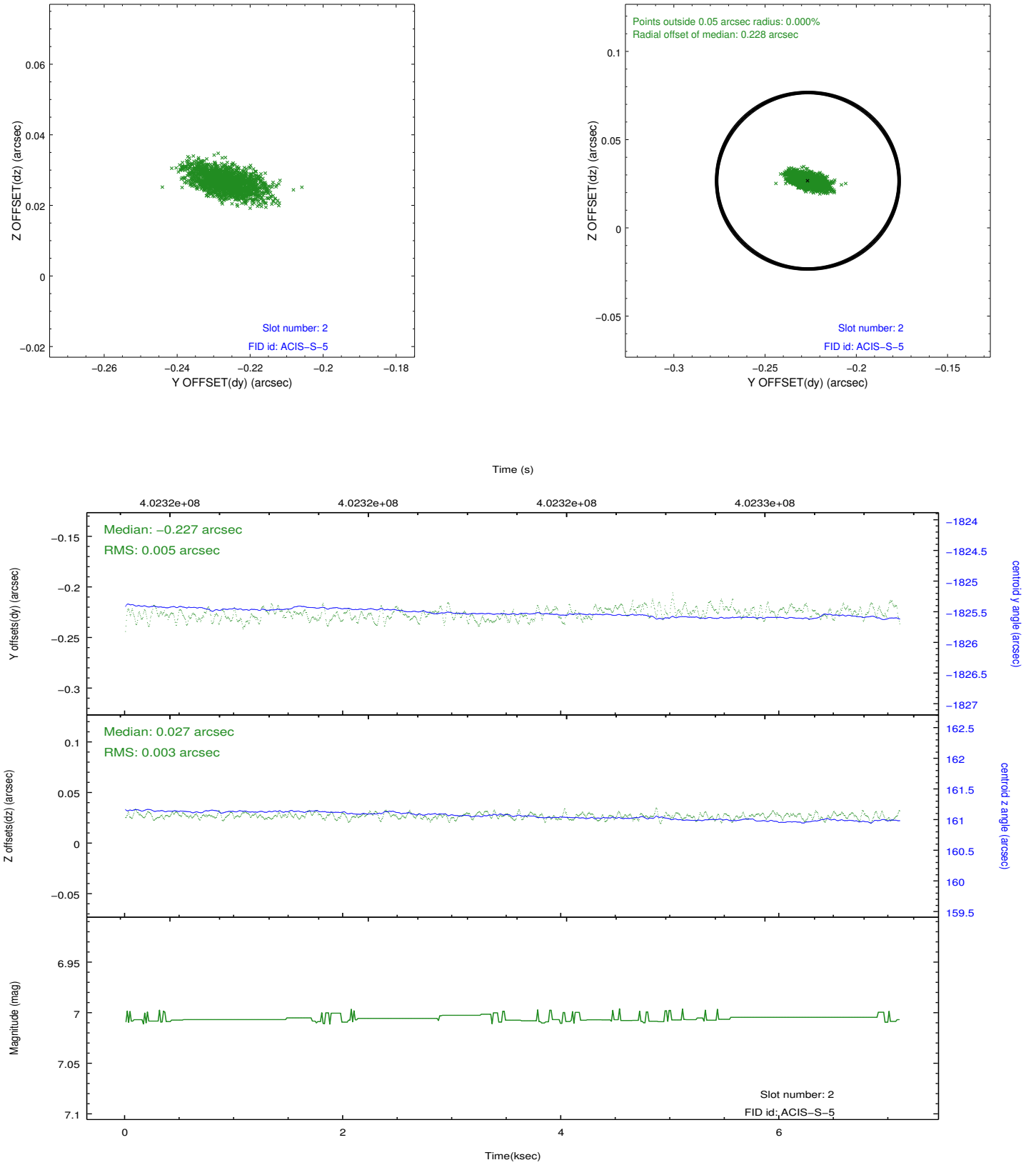
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7203973784447

A.2 Comments