

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3642 - L2 Version 3
Chandra X-Ray Center

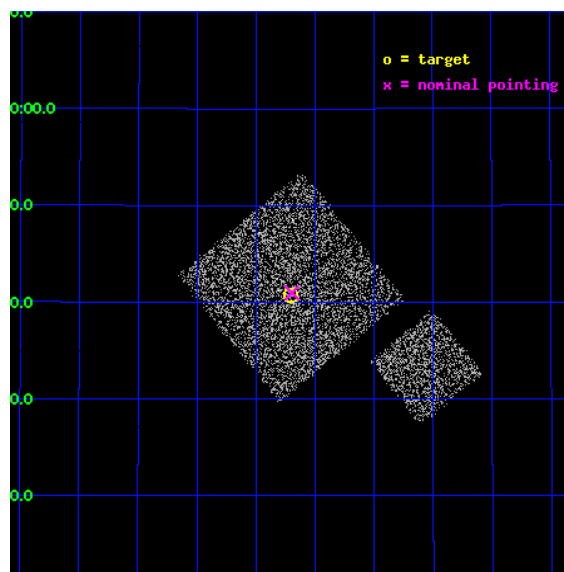
L2 Processing Date : Oct 25 2012

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1 Front

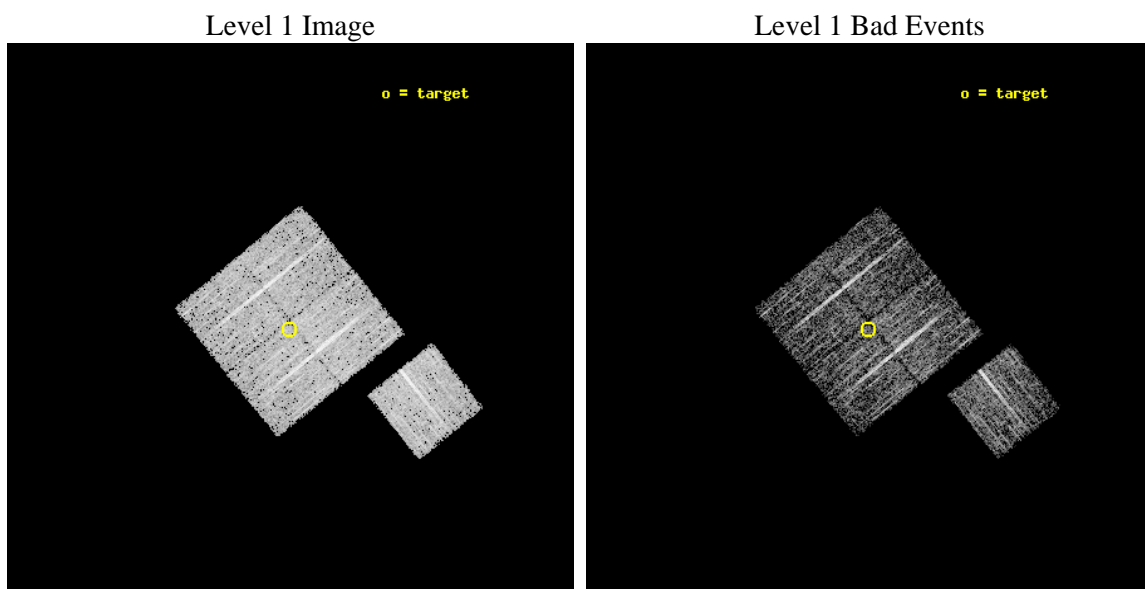
seq_num	900242	Sequence number
obs_id	3642	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.676831	Observer's specified target RA [deg]
dec_targ	34.679082	Observer's specified target Dec [deg]
ra_nom	218.67425106596	Nominal RA [deg]
dec_nom	34.683114724862	Nominal Dec [deg]
roll_nom	141.01034968929	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4776.5792342424	Sum of GTIs [s]
livetime	4714.1697100806	Livetime [s]
ontime0	4776.4561341703	Sum of GTIs [s]
ontime1	4776.4971741736	Sum of GTIs [s]
ontime2	4776.5381942391	Sum of GTIs [s]
ontime3	4776.5792342424	Sum of GTIs [s]
ontime6	4776.415094167	Sum of GTIs [s]
l2events	9436	Number of level 2 events



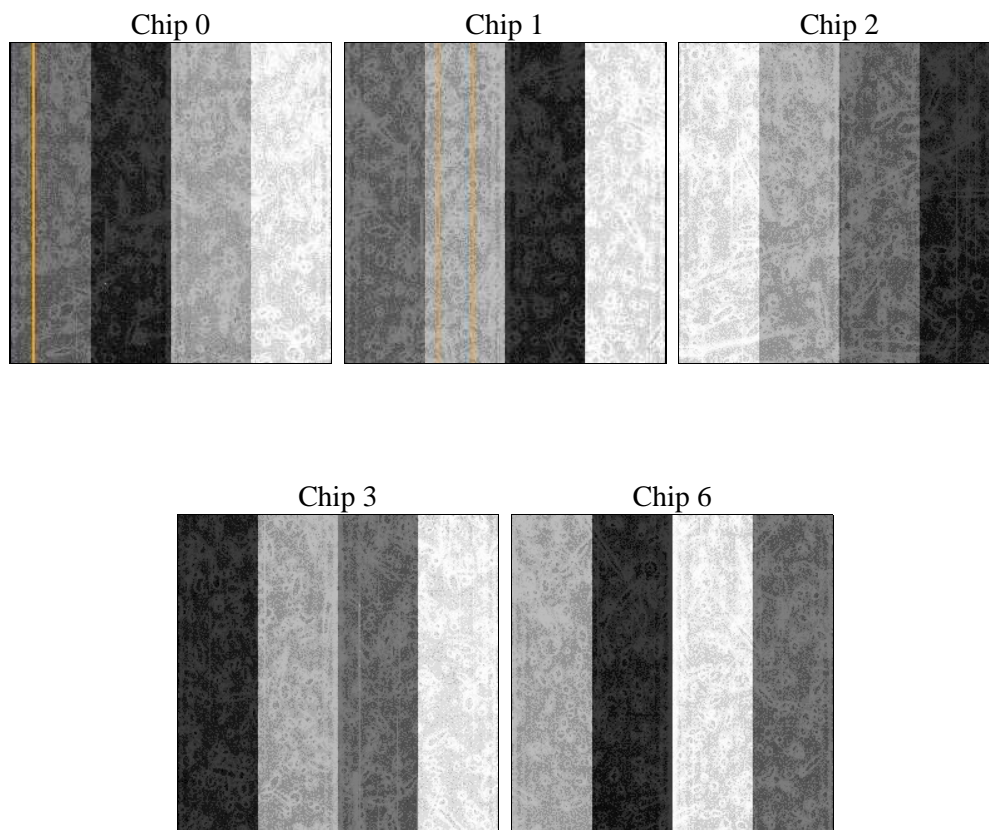
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4776.5792342424	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.4561341703	Sum of GTIs [s]
date	2012-10-25T23:43:12	Date and time of file creation	ontime1	4776.4971741736	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.5381942391	Sum of GTIs [s]
			ontime3	4776.5792342424	Sum of GTIs [s]
			ontime6	4776.415094167	Sum of GTIs [s]
			l1events	119597	Number of level 1 events

2.1.4 Events

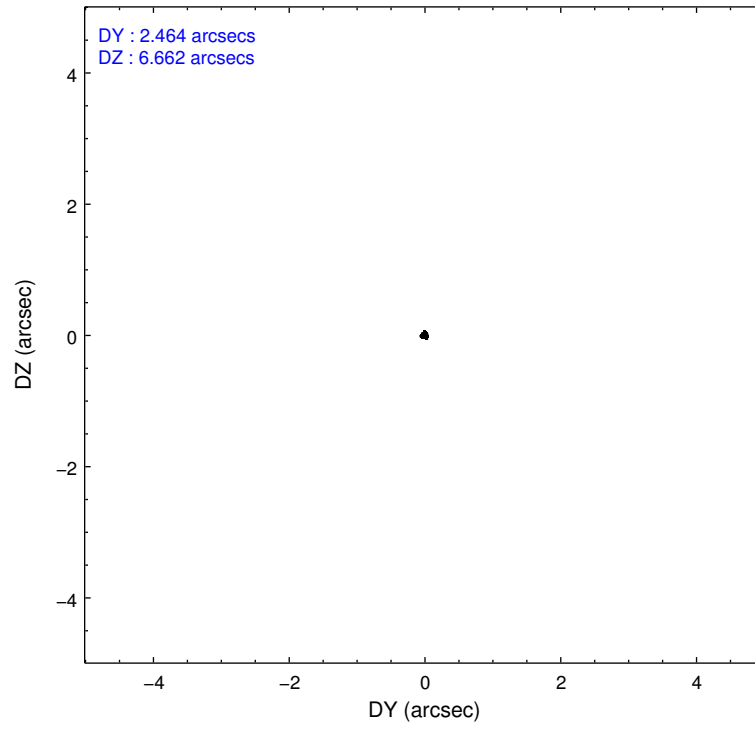
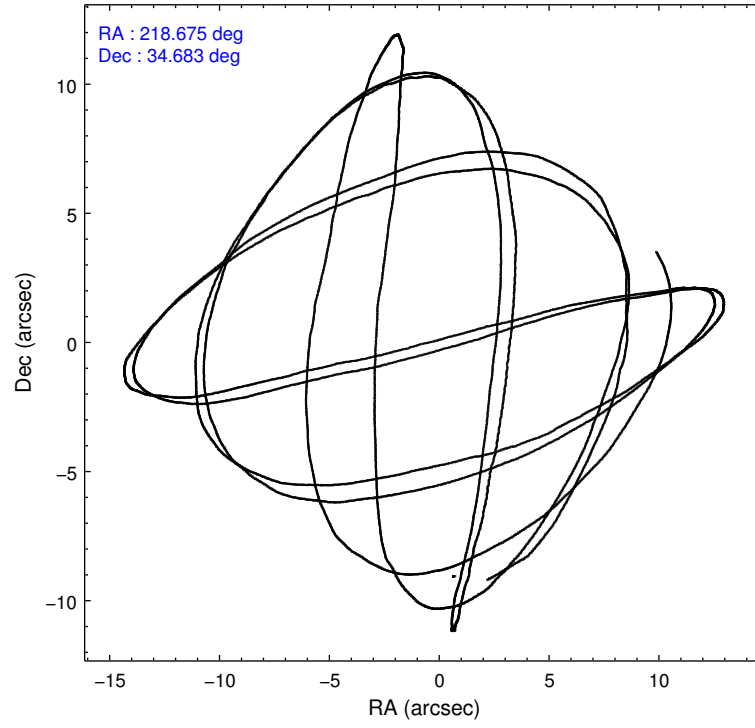
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21557	22013	26596	23335	26096
rejected events	19155	19604	24298	21198	23757
rejected %	88%	89%	91%	90%	91%

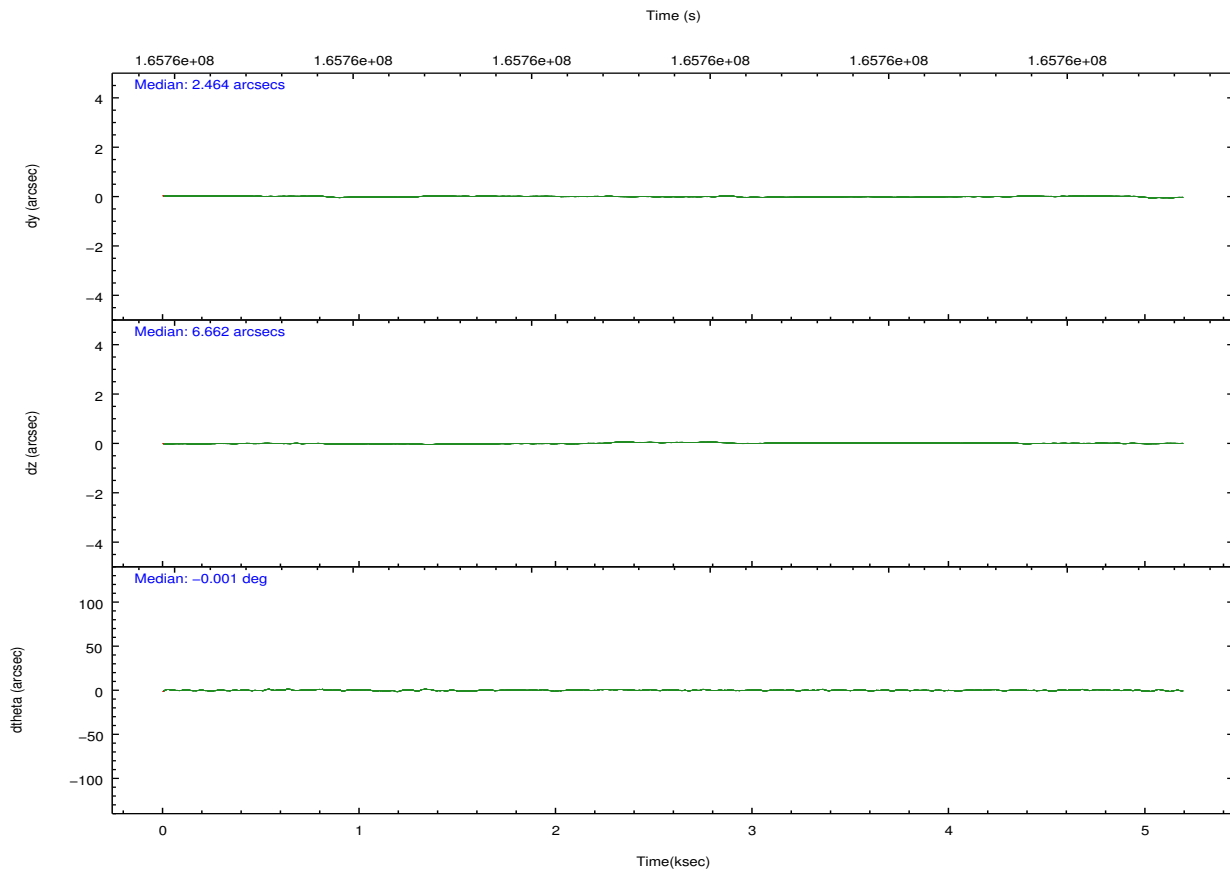
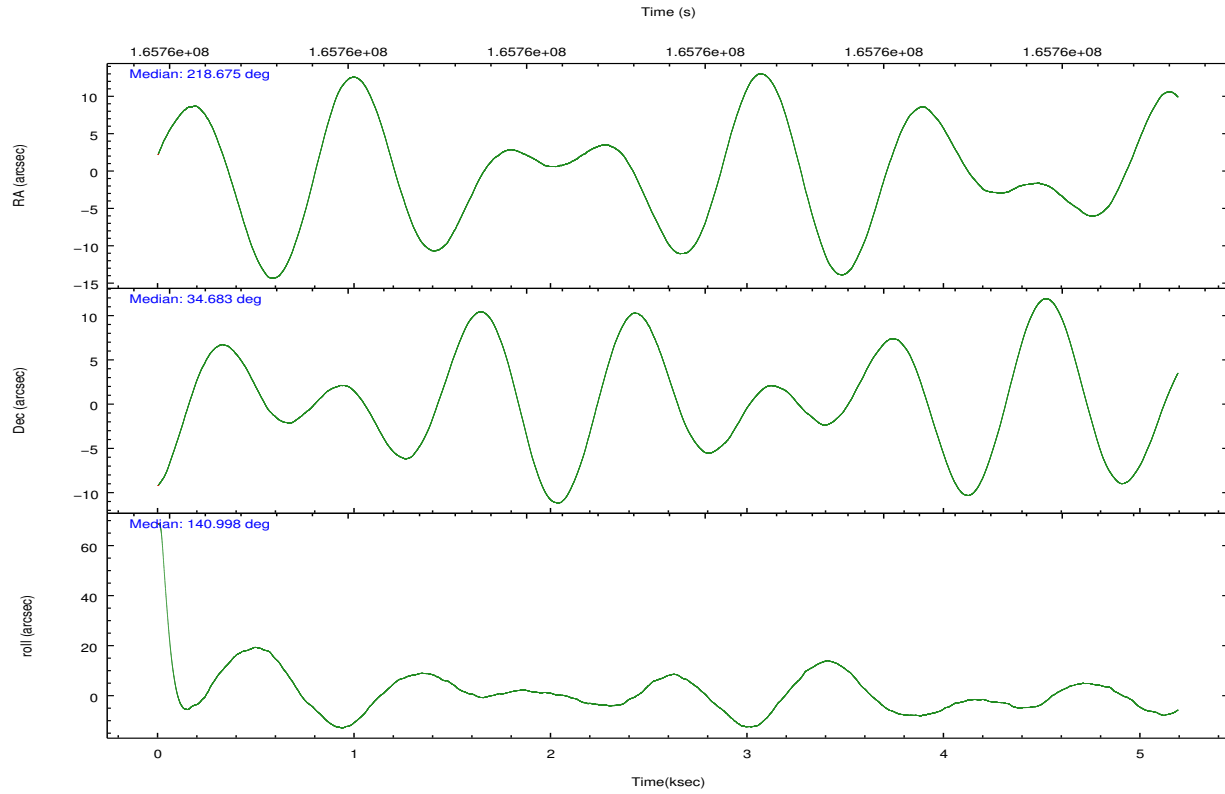
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	889	873	880	793	794
	4%	3%	3%	3%	3%
grade 1 events	11	10	14	11	12
	0%	0%	0%	0%	0%
grade 2 events	514	493	493	461	552
	2%	2%	1%	1%	2%
grade 3 events	306	285	258	249	260
	1%	1%	0%	1%	0%
grade 4 events	267	290	281	221	277
	1%	1%	1%	0%	1%
grade 5 events	712	780	668	791	799
	3%	3%	2%	3%	3%
grade 6 events	430	468	388	413	460
	1%	2%	1%	1%	1%
grade 7 events	18428	18814	23614	20396	22942
	85%	85%	88%	87%	87%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	218.707093	218.6742510659622	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.679005	34.68311472486158	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782783	141.0103496892927	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	165760385.184000	165760009.04052			
Observation start date	2003-04-03T12:32:01	2003-04-03T12:26:49			
[s] Observation end time (MET)	165765385.184000	165765519.44075			
Observation end date	2003-04-03T13:55:21	2003-04-03T13:58:39			
Read mode	TIMED	TIMED			

2.3 Aspect



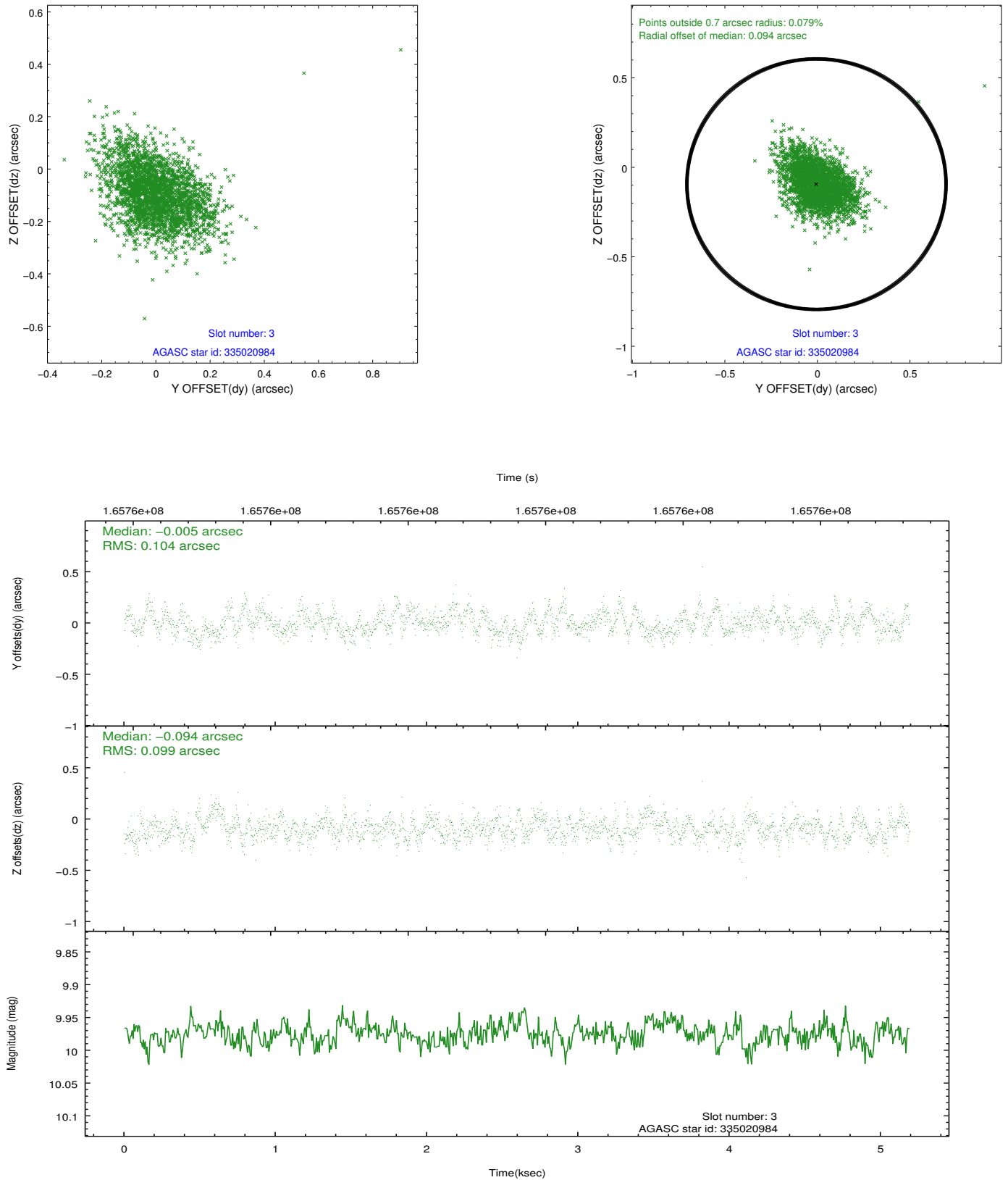


Slot Statistics

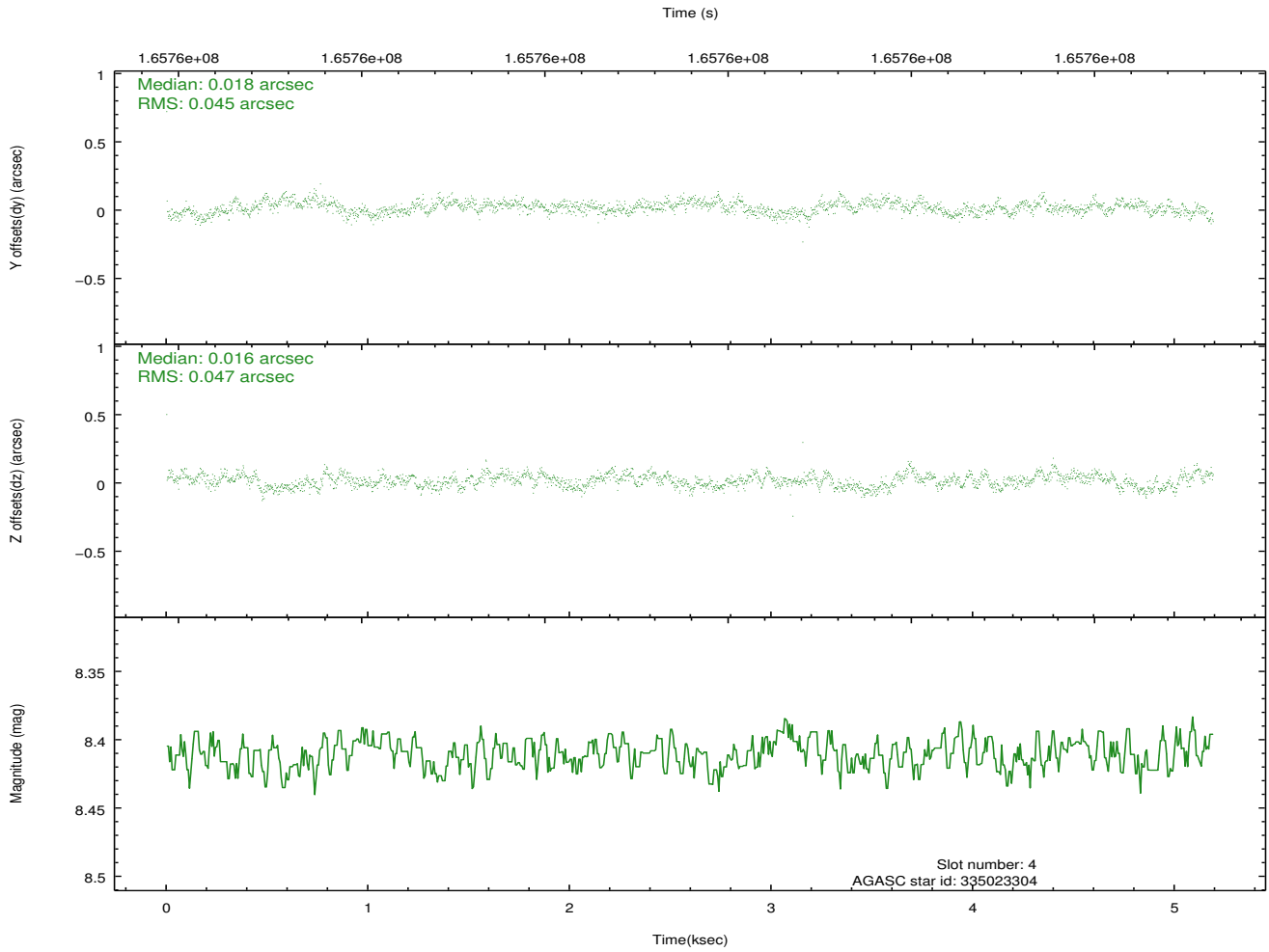
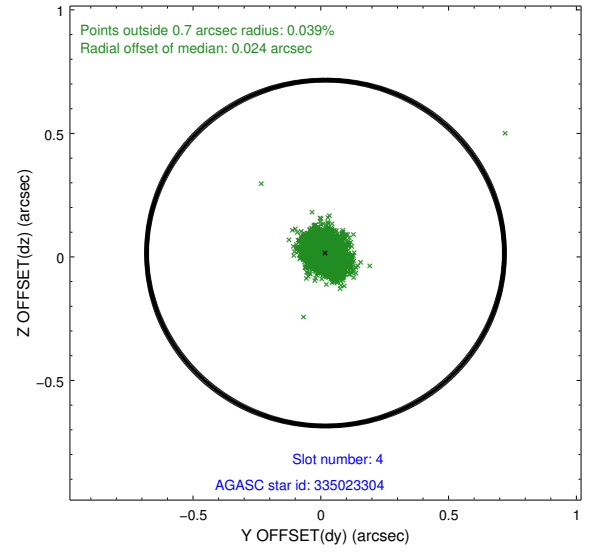
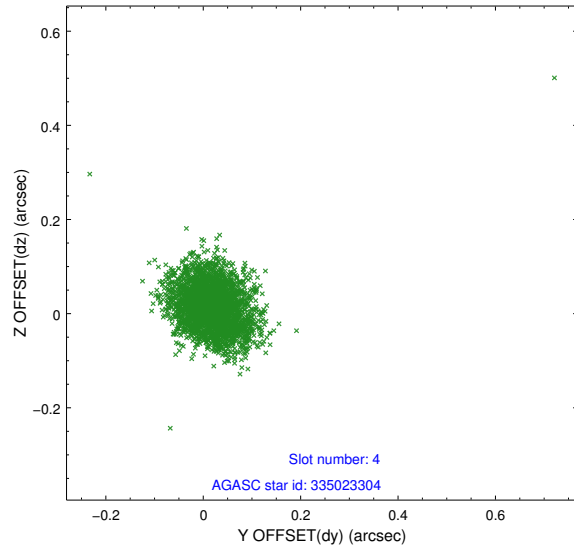
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1267	0.015	-0.007	0.006	0.010	0.000000	0.000000	937.34	-830.07
1	FID	ACIS-I-5	7.24	1267	-0.084	0.054	0.006	0.010	0.000000	0.000000	-1810.17	1066.95
2	FID	ACIS-I-6	7.26	1267	-0.022	0.024	0.007	0.011	0.000000	0.000000	401.64	1712.70
3	GUIDE	335020984	9.97	2531	-0.005	-0.094	0.148	0.248	218.841668	33.815112	-2277.48	2154.61
4	GUIDE	335023304	8.41	2533	0.018	0.016	0.067	0.106	218.883608	34.686545	-387.57	-350.55
5	GUIDE	335025040	9.91	2533	0.063	0.046	0.127	0.201	218.601670	34.305240	-607.48	1240.76
6	GUIDE	335152968	9.75	2526	0.010	-0.012	0.127	0.209	219.446087	34.867883	-1255.50	-1912.40
7	GUIDE	335414336	8.95	2529	-0.092	0.045	0.076	0.122	218.979022	35.090910	318.01	-1656.39

2.4 Star Slots

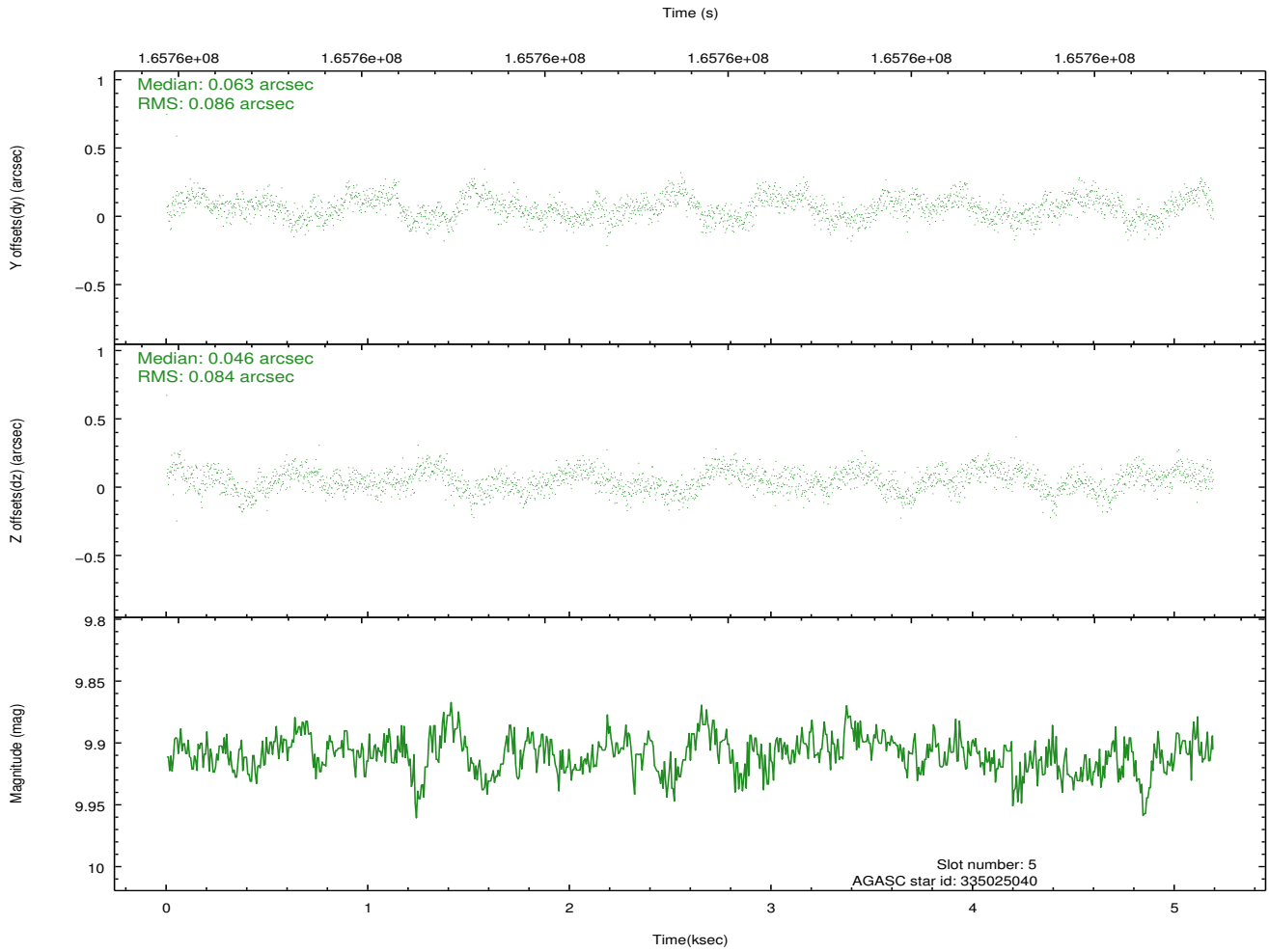
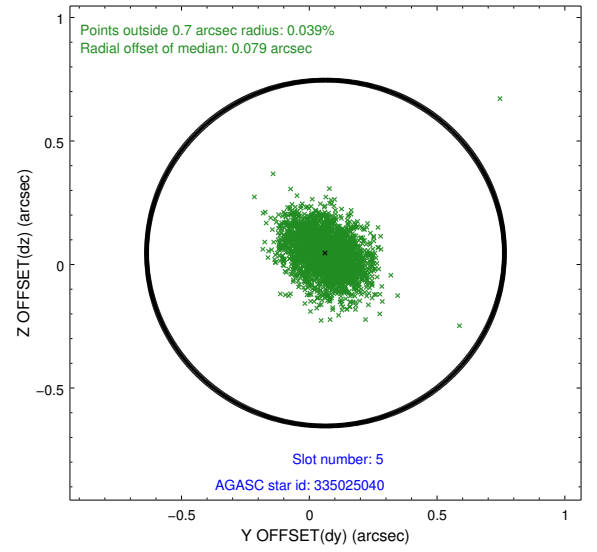
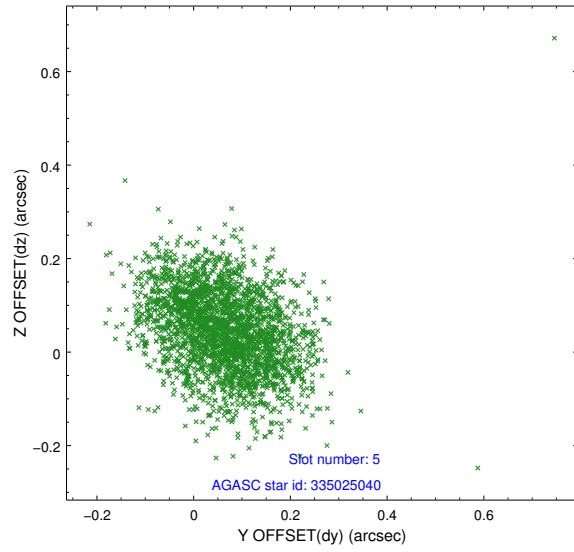
2.4.1 Slot 3



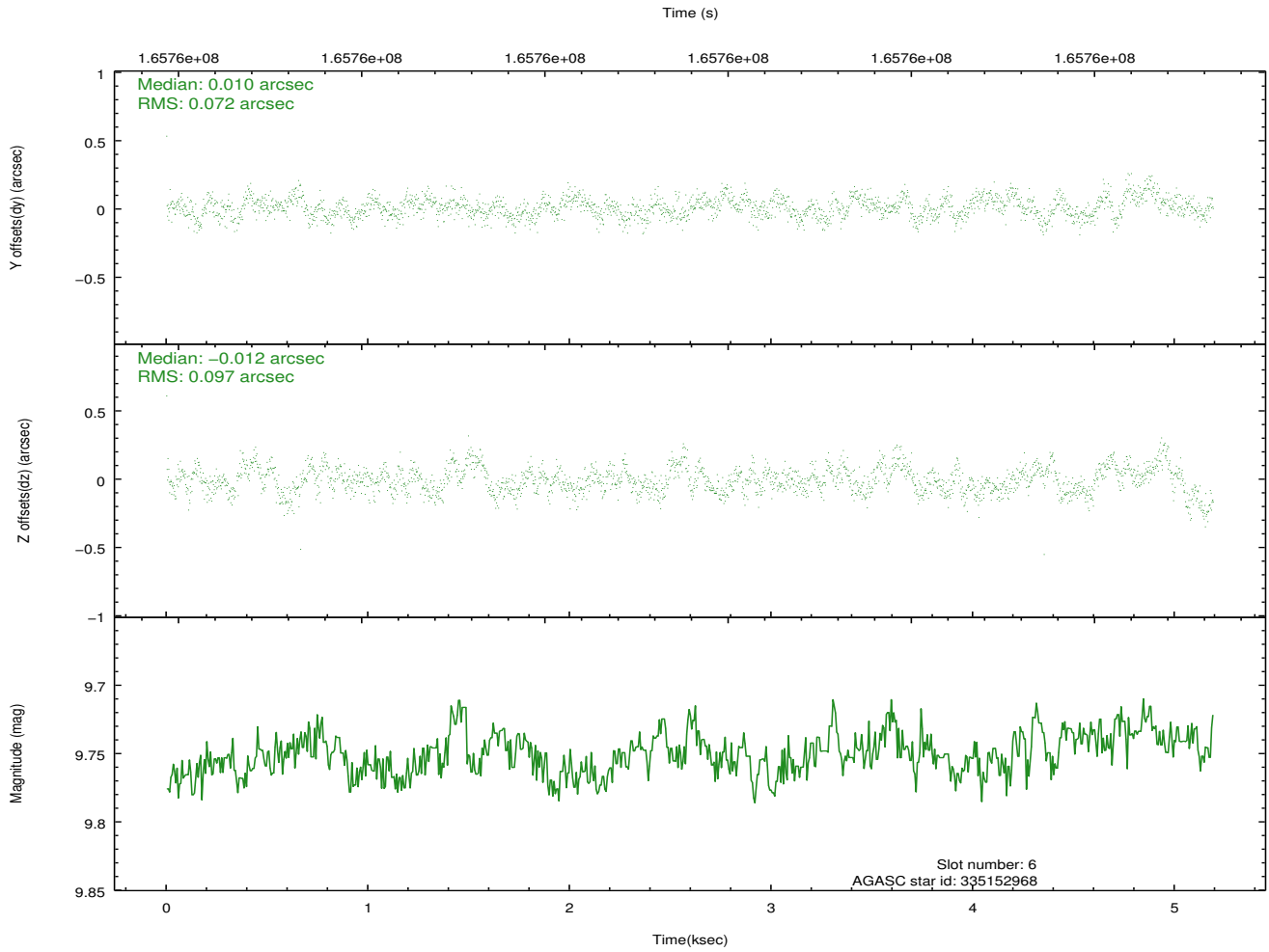
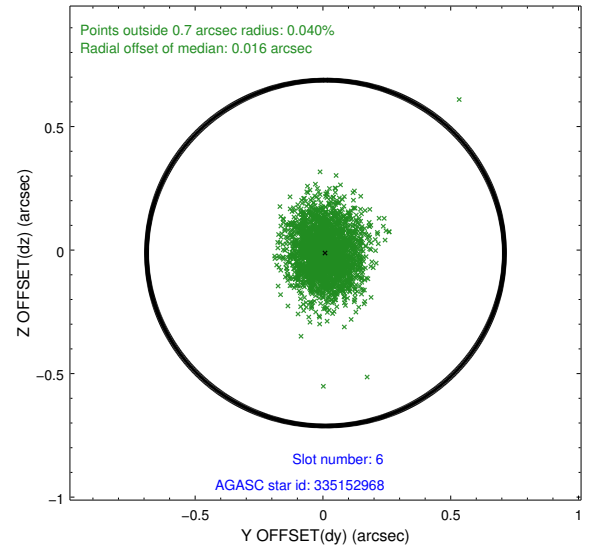
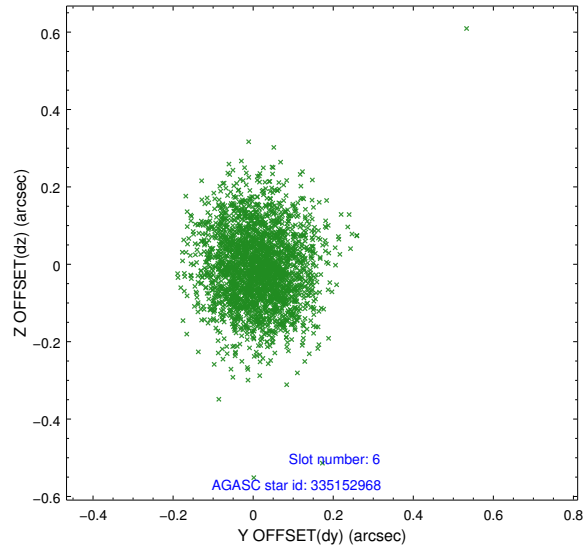
2.4.2 Slot 4



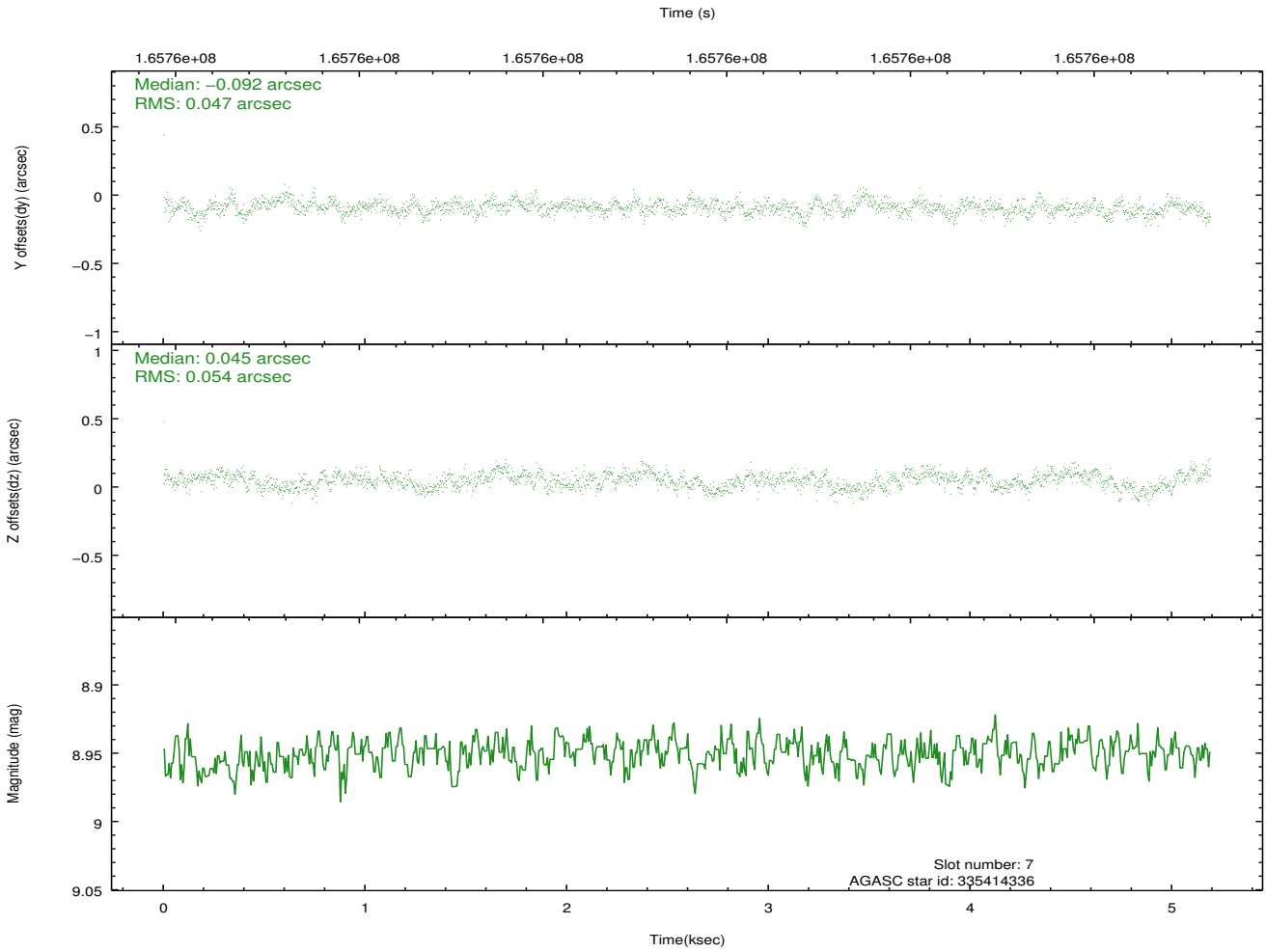
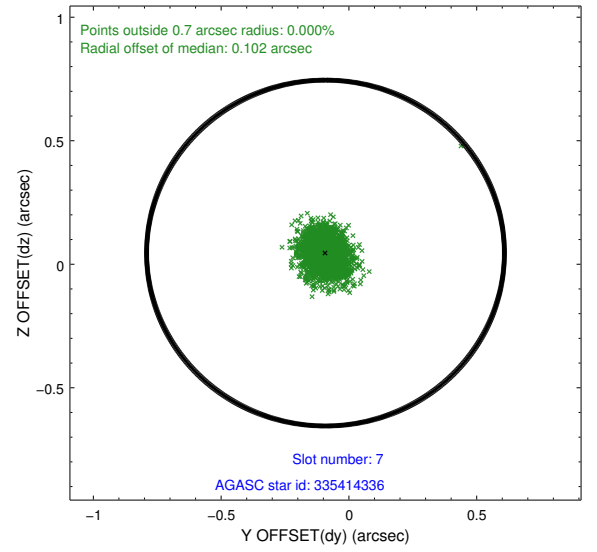
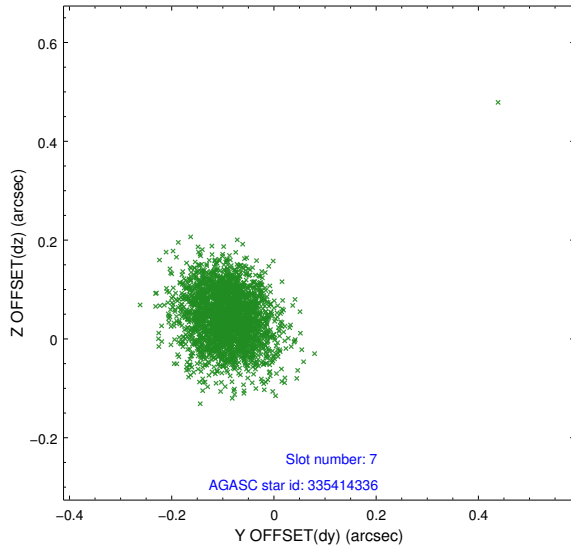
2.4.3 Slot 5



2.4.4 Slot 6

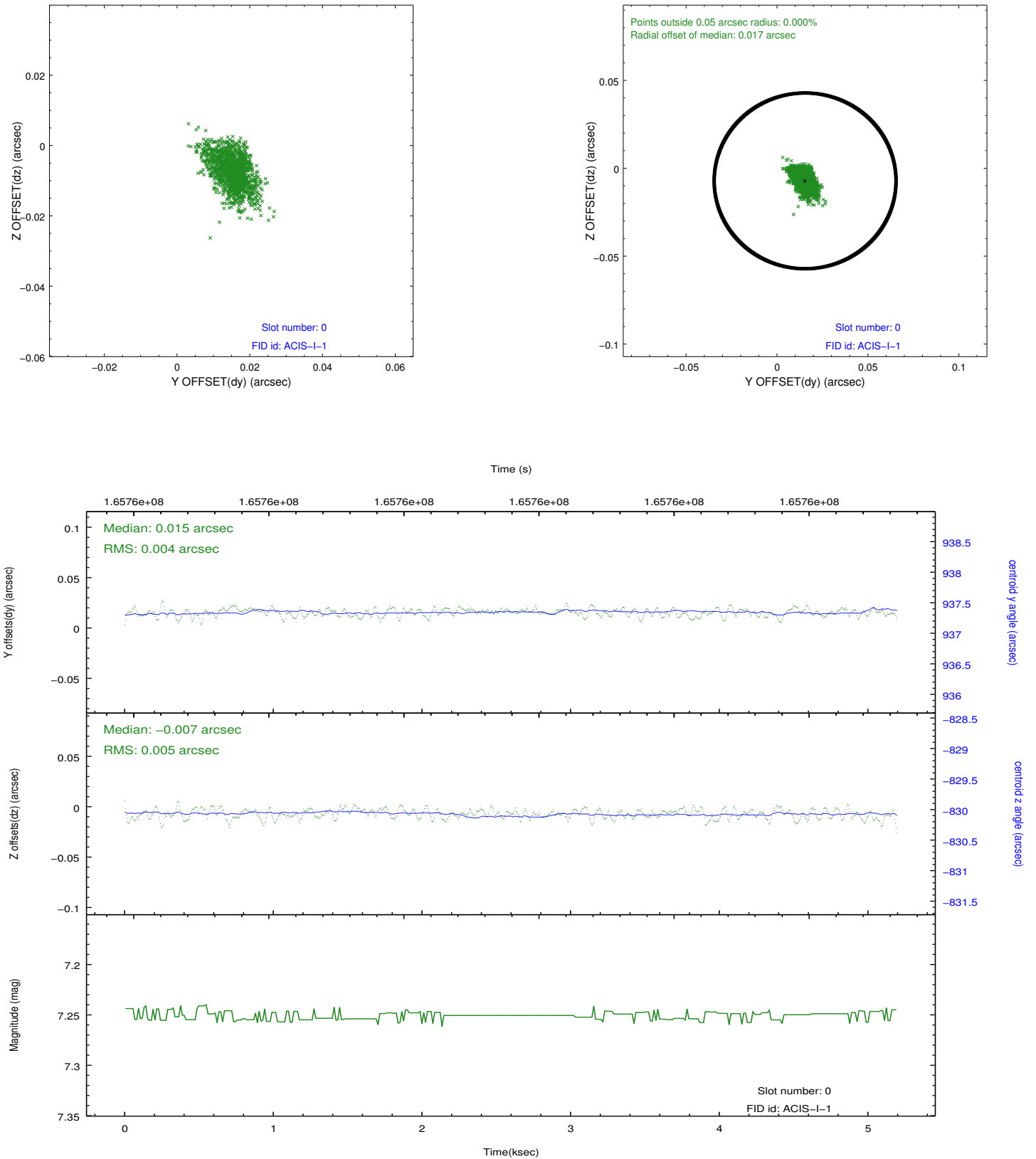


2.4.5 Slot 7

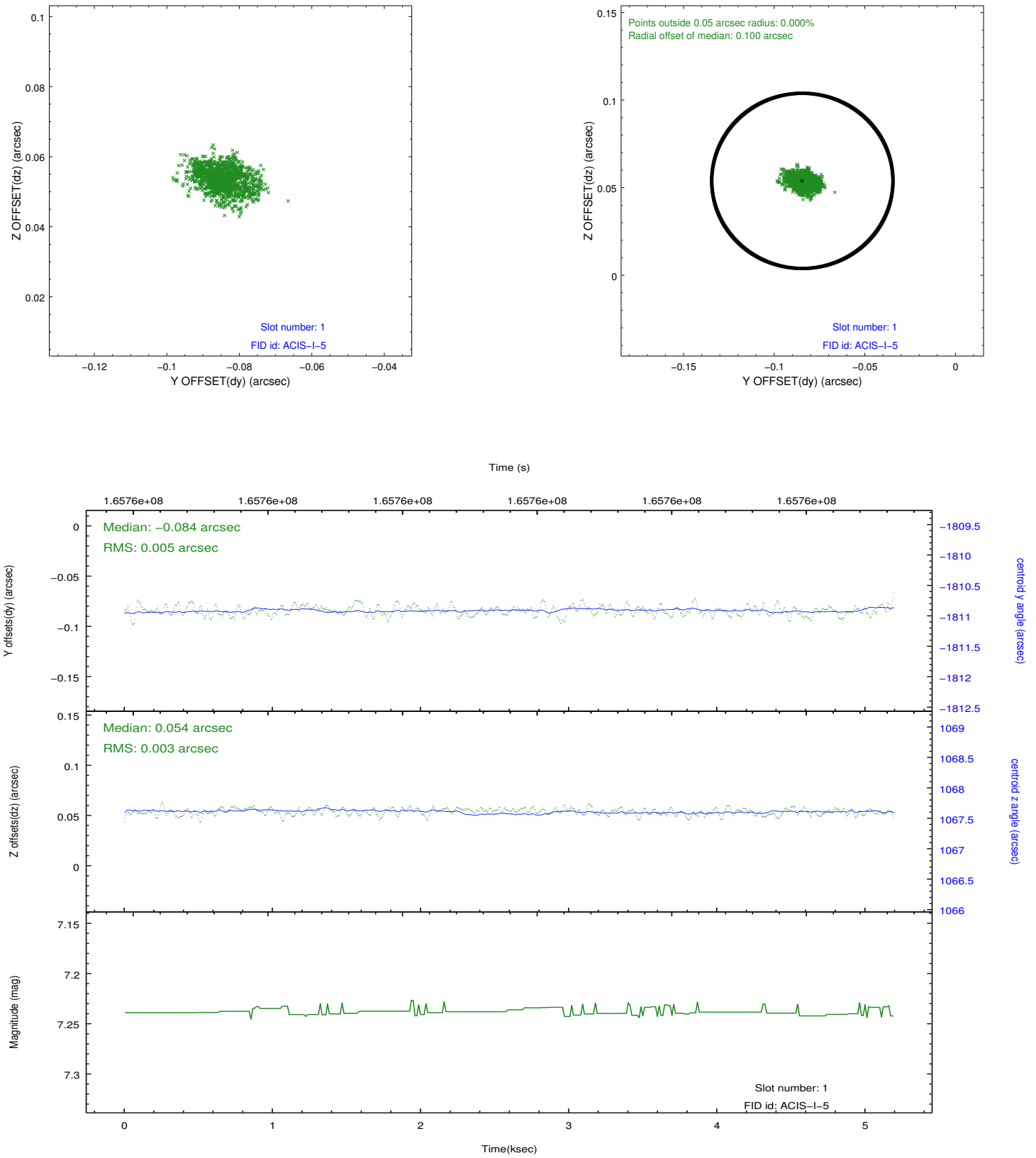


2.5 FID Slots

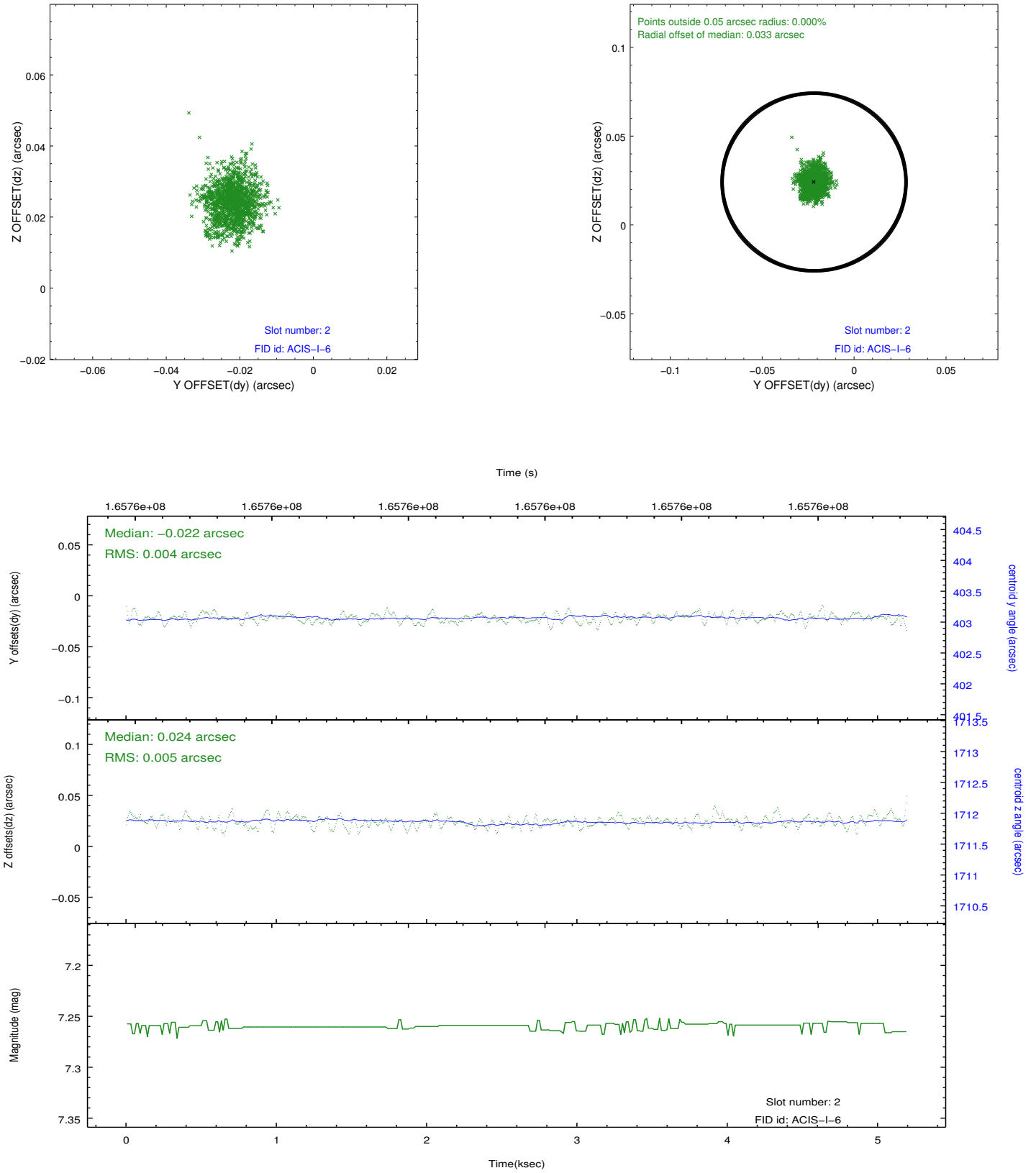
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

A.2 Comments