

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3597 - L2 Version 3
Chandra X-Ray Center

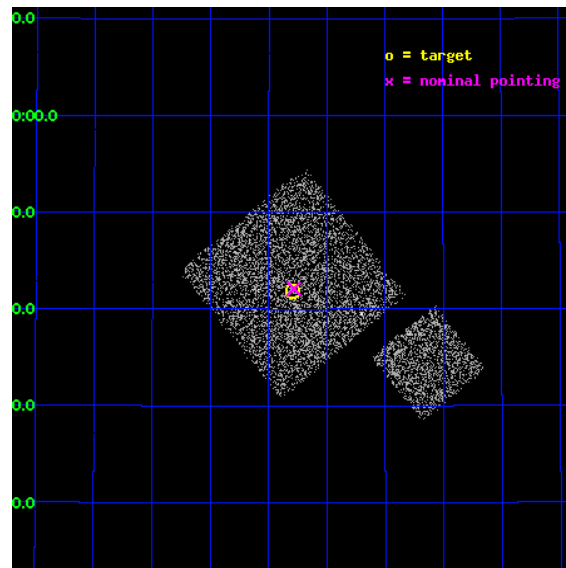
L2 Processing Date : Oct 26 2012

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1 Front

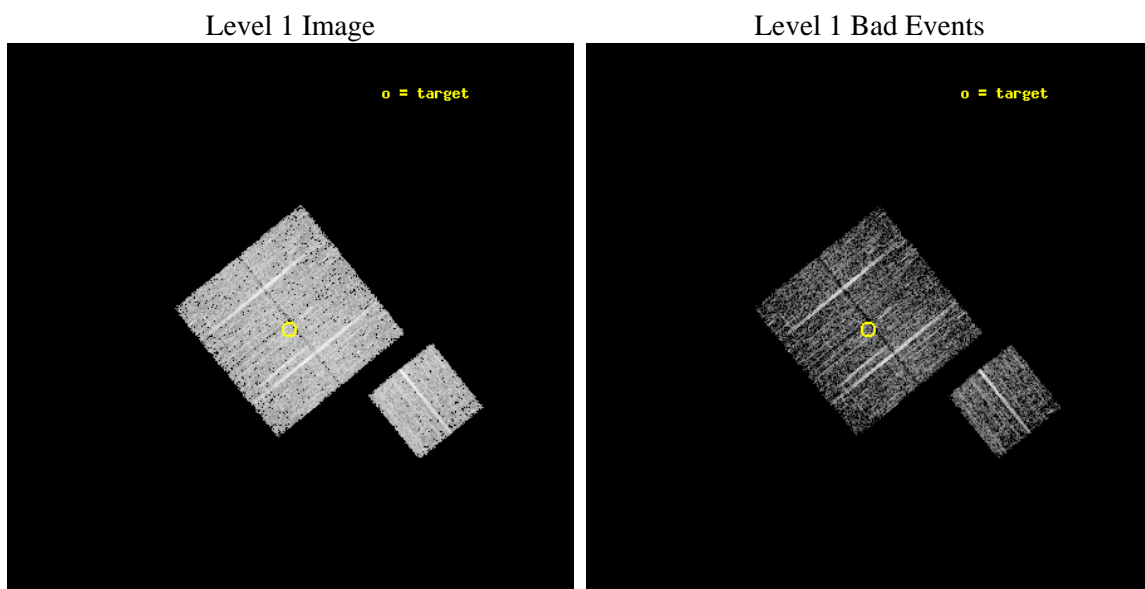
seq_num	900197	Sequence number
obs_id	3597	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F45	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.323765	Observer's specified target RA [deg]
dec_targ	35.697552	Observer's specified target Dec [deg]
ra_nom	219.32102366607	Nominal RA [deg]
dec_nom	35.701591191488	Nominal Dec [deg]
roll_nom	141.0102936174	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.2303273678	Sum of GTIs [s]
livetime	4613.1580670224	Livetime [s]
ontime0	4674.1072272658	Sum of GTIs [s]
ontime1	4674.1482672691	Sum of GTIs [s]
ontime2	4674.1892873645	Sum of GTIs [s]
ontime3	4674.2303273678	Sum of GTIs [s]
ontime6	4674.0661673546	Sum of GTIs [s]
l2events	9270	Number of level 2 events



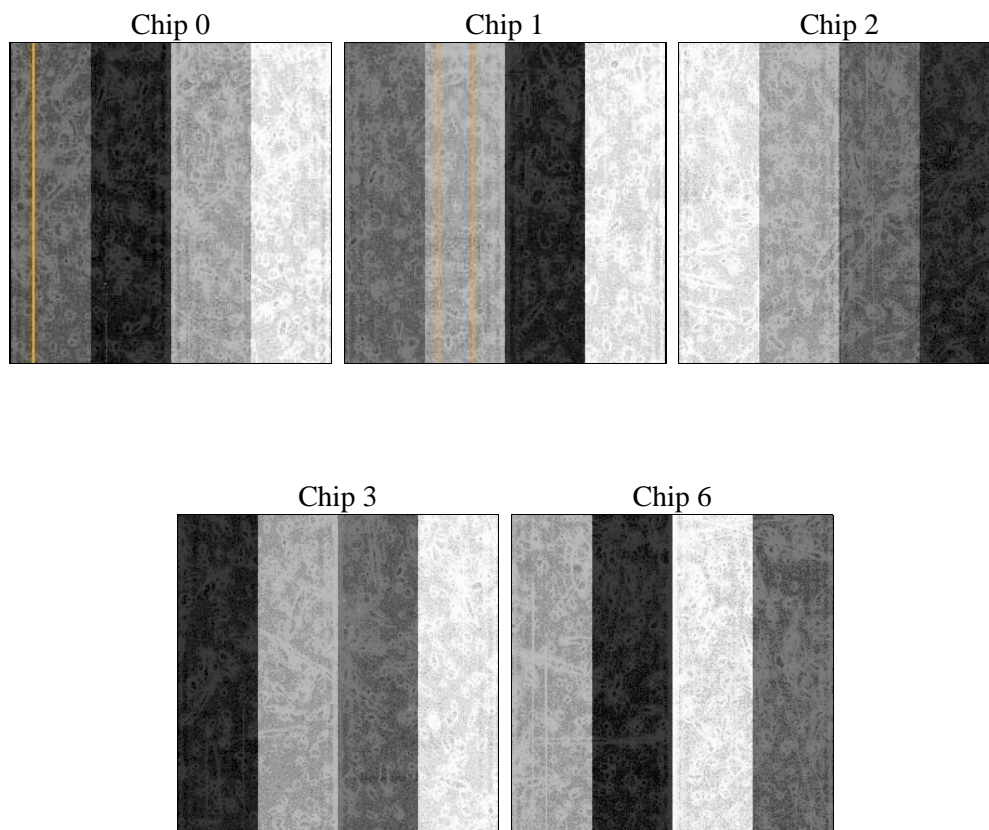
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4674.2303273678	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4674.1072272658	Sum of GTIs [s]
date	2012-10-26T00:15:24	Date and time of file creation	ontime1	4674.1482672691	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4674.1892873645	Sum of GTIs [s]
			ontime3	4674.2303273678	Sum of GTIs [s]
			ontime6	4674.0661673546	Sum of GTIs [s]
			l1events	115906	Number of level 1 events

2.1.4 Events

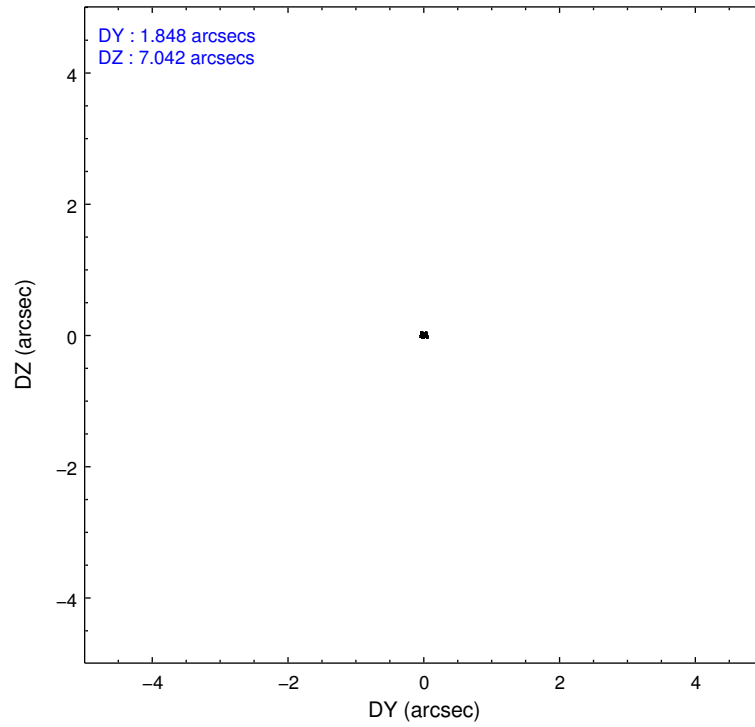
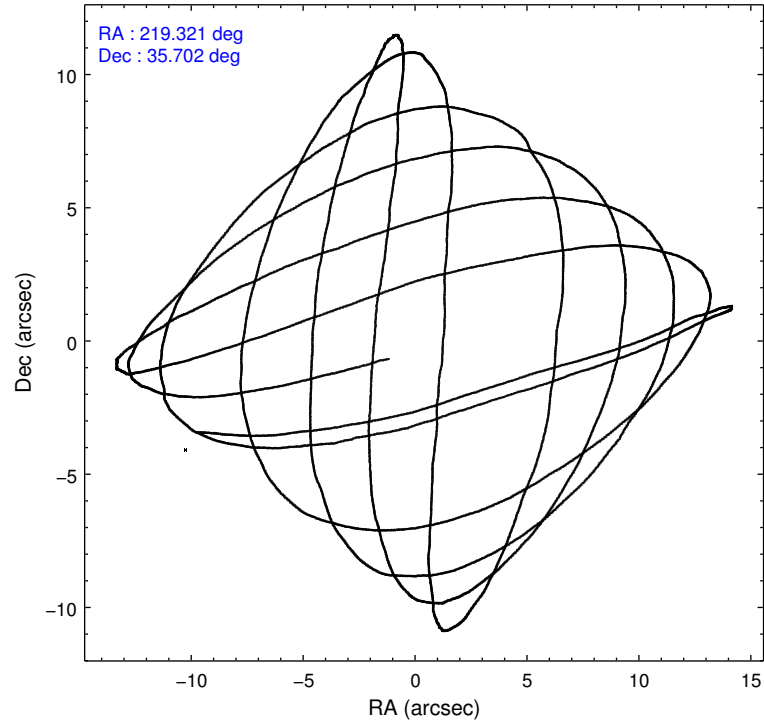
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21667	21737	24913	23910	23679
rejected events	19447	19339	22554	21777	21402
rejected %	89%	88%	90%	91%	90%

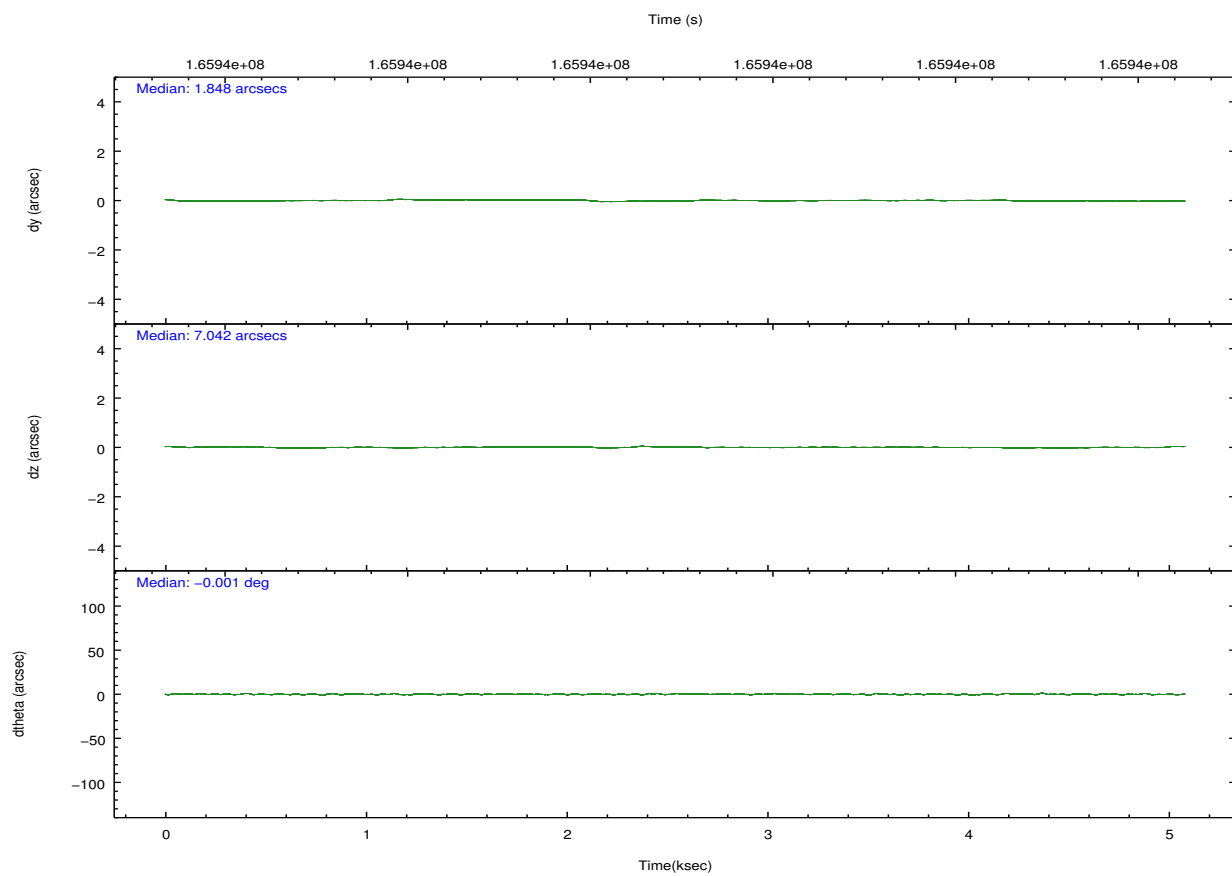
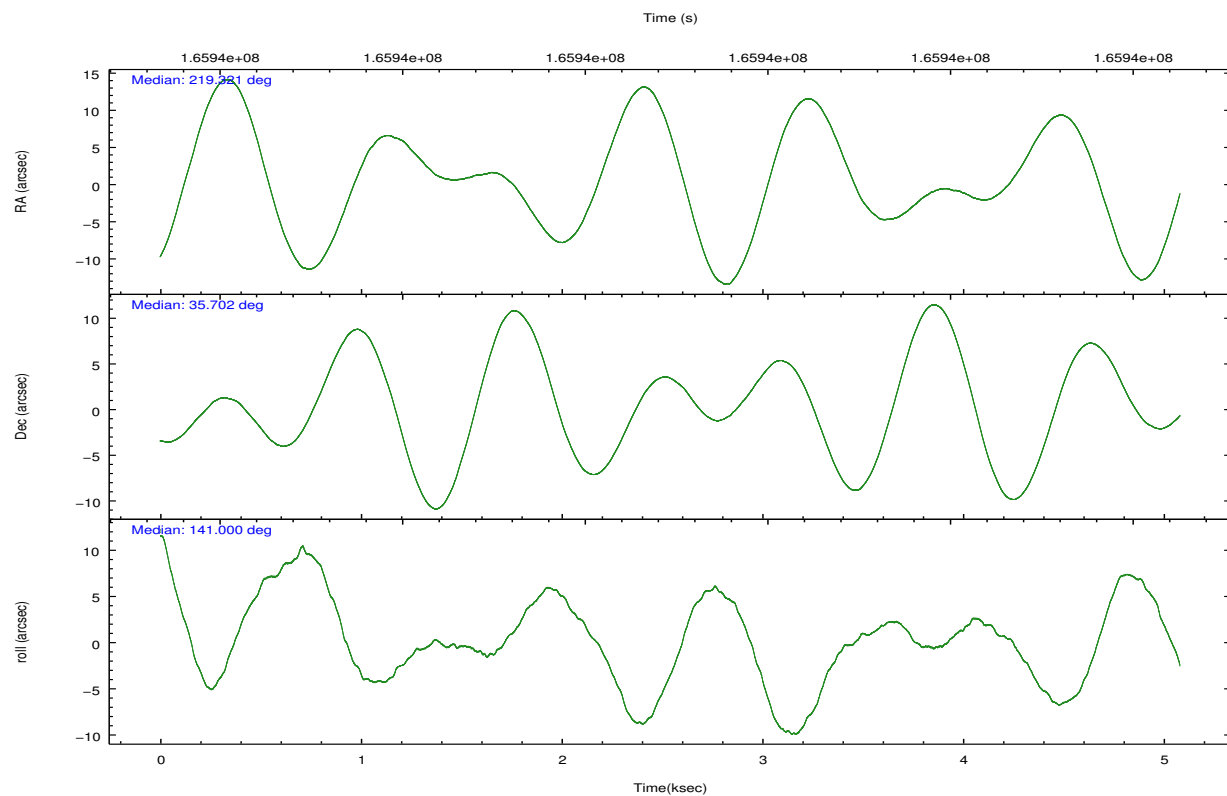
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	768	854	869	786	822
	3%	3%	3%	3%	3%
grade 1 events	13	5	15	9	14
	0%	0%	0%	0%	0%
grade 2 events	485	507	542	460	461
	2%	2%	2%	1%	1%
grade 3 events	267	261	291	241	259
	1%	1%	1%	1%	1%
grade 4 events	247	275	253	234	295
	1%	1%	1%	0%	1%
grade 5 events	672	741	605	791	812
	3%	3%	2%	3%	3%
grade 6 events	455	508	406	413	450
	2%	2%	1%	1%	1%
grade 7 events	18760	18586	21932	20976	20566
	86%	85%	88%	87%	86%

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	219.354406	219.3210236660747	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.697471	35.7015911914883	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782116	141.0102936173998	[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)	165935107.184000	165934730.5479			
Observation start date	2003-04-05T13:04:03	2003-04-05T12:58:50			
[s] Observation end time (MET)	165940007.184000	165940188.16063			
Observation end date	2003-04-05T14:25:43	2003-04-05T14:29:48			
Read mode	TIMED	TIMED			

2.3 Aspect



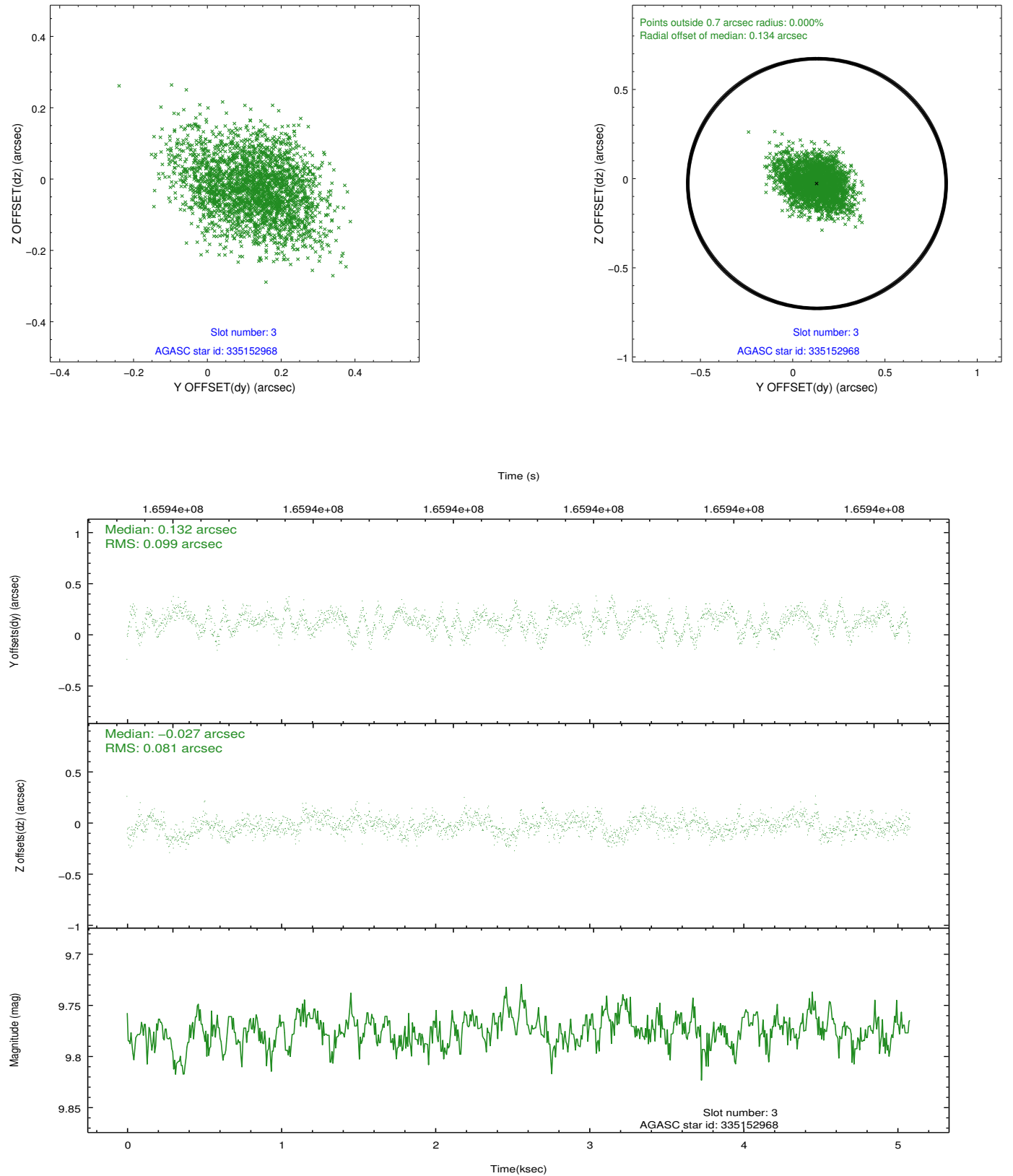


Slot Statistics

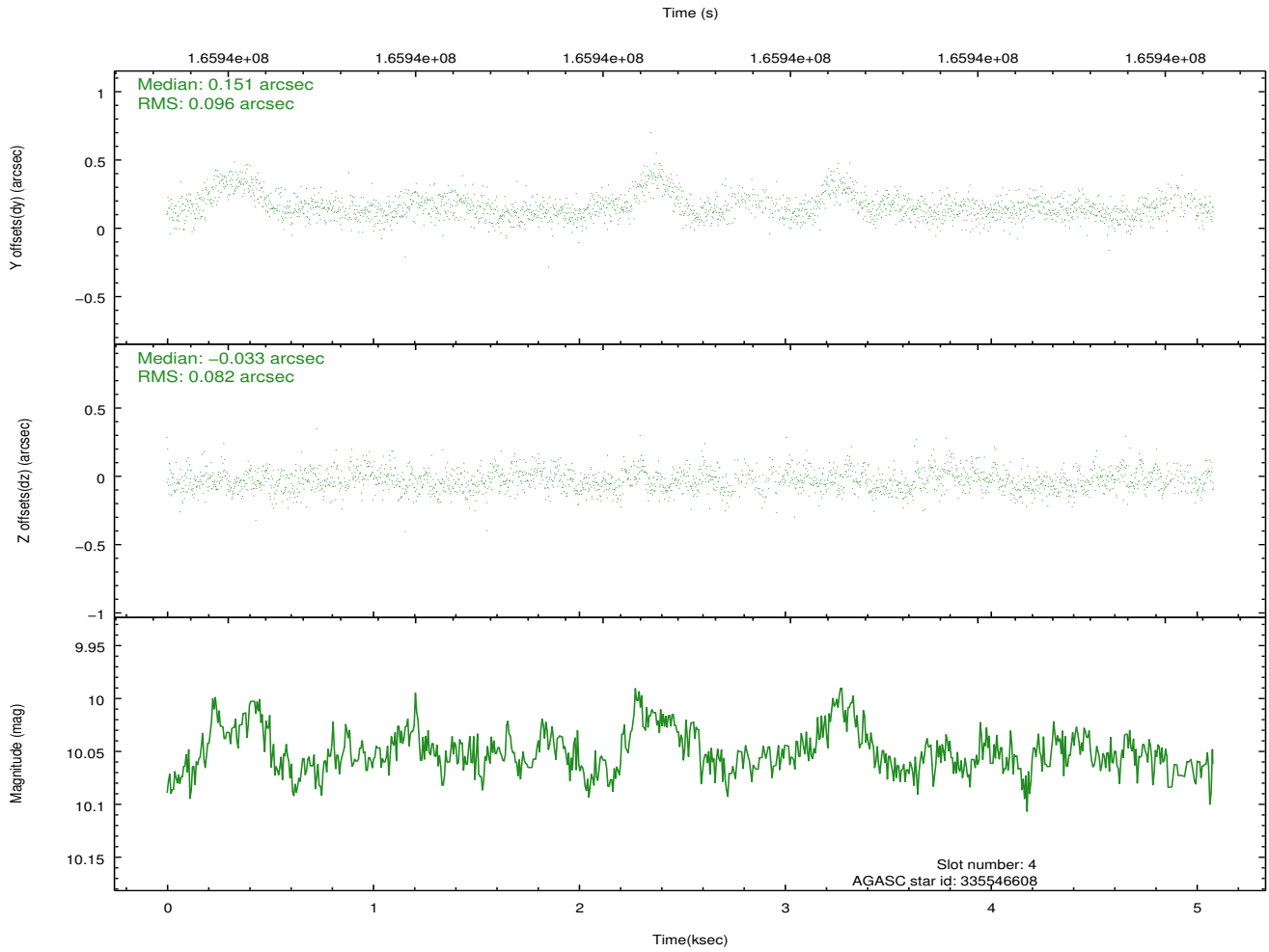
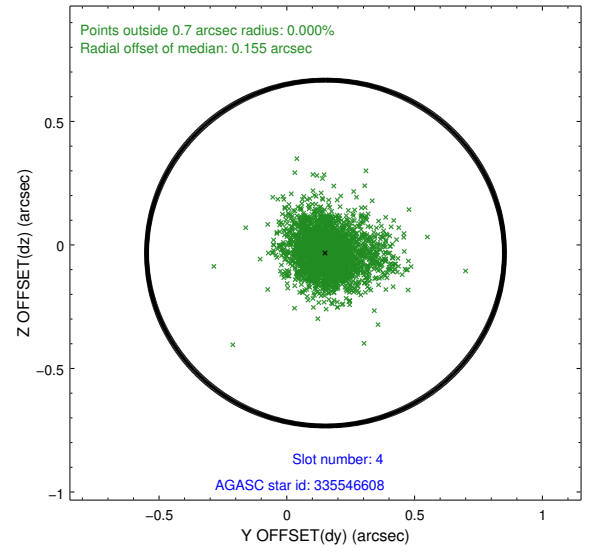
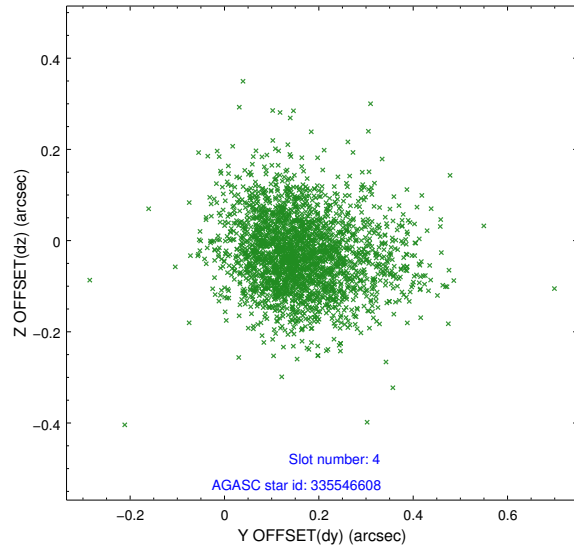
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1240	0.008	0.012	0.006	0.012	0.000000	0.000000	937.96	-830.45
1	FID	ACIS-I-5	7.24	1240	-0.075	0.053	0.006	0.010	0.000000	0.000000	-1809.51	1066.56
2	FID	ACIS-I-6	7.26	1240	-0.025	0.005	0.007	0.011	0.000000	0.000000	402.25	1712.31
3	GUIDE	335152968	9.77	2480	0.132	-0.027	0.138	0.225	219.446087	34.867883	-2098.44	2142.34
4	GUIDE	335546608	10.05	2398	0.151	-0.033	0.128	0.228	219.906522	35.245587	-2283.81	231.25
5	GUIDE	335549864	7.51	2480	0.047	0.070	0.063	0.108	219.286726	35.929745	680.84	-522.75
6	GUIDE	335551264	9.26	2479	-0.219	0.214	0.096	0.158	219.547096	36.423006	1219.98	-2376.64
7	GUIDE	335414336	8.98	2470	-0.111	-0.232	0.089	0.142	218.979022	35.090910	-522.66	2388.10

2.4 Star Slots

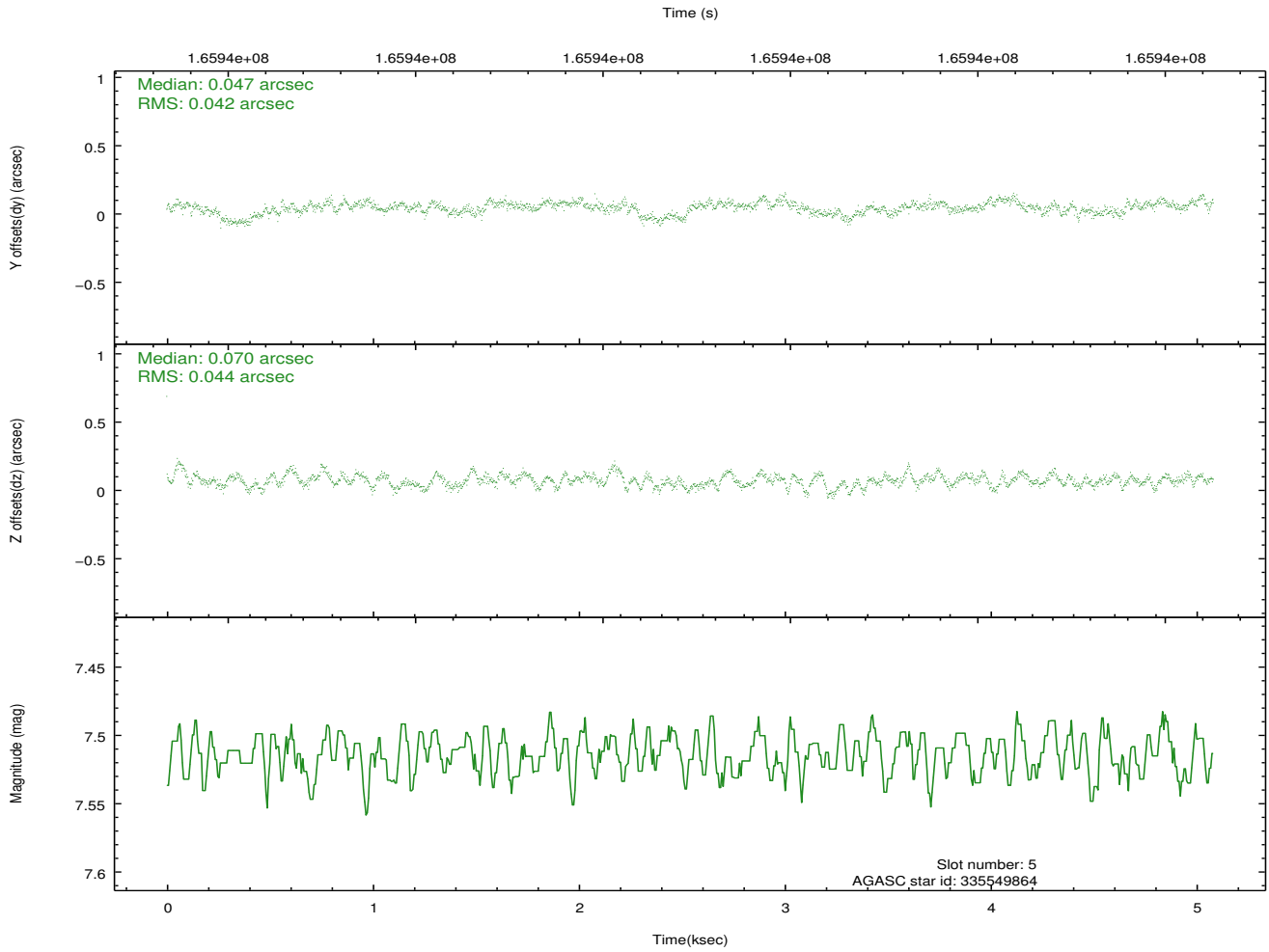
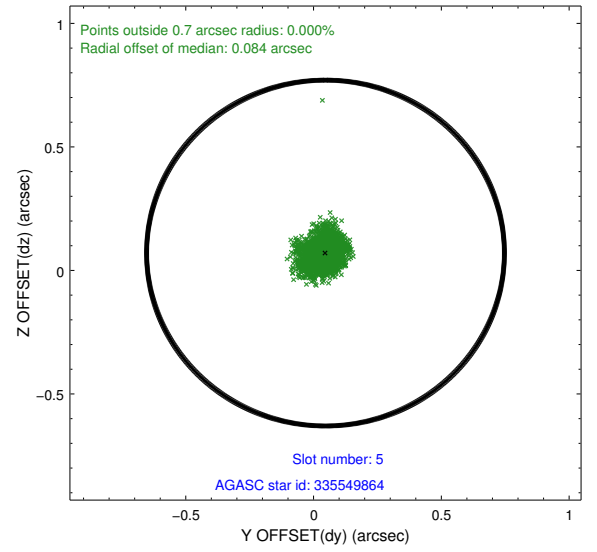
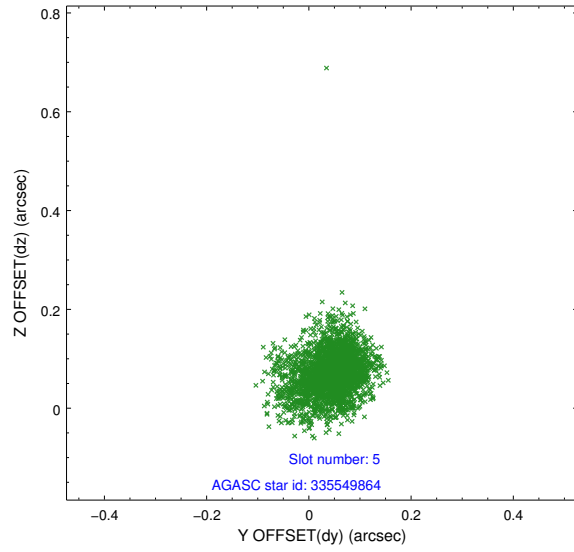
2.4.1 Slot 3



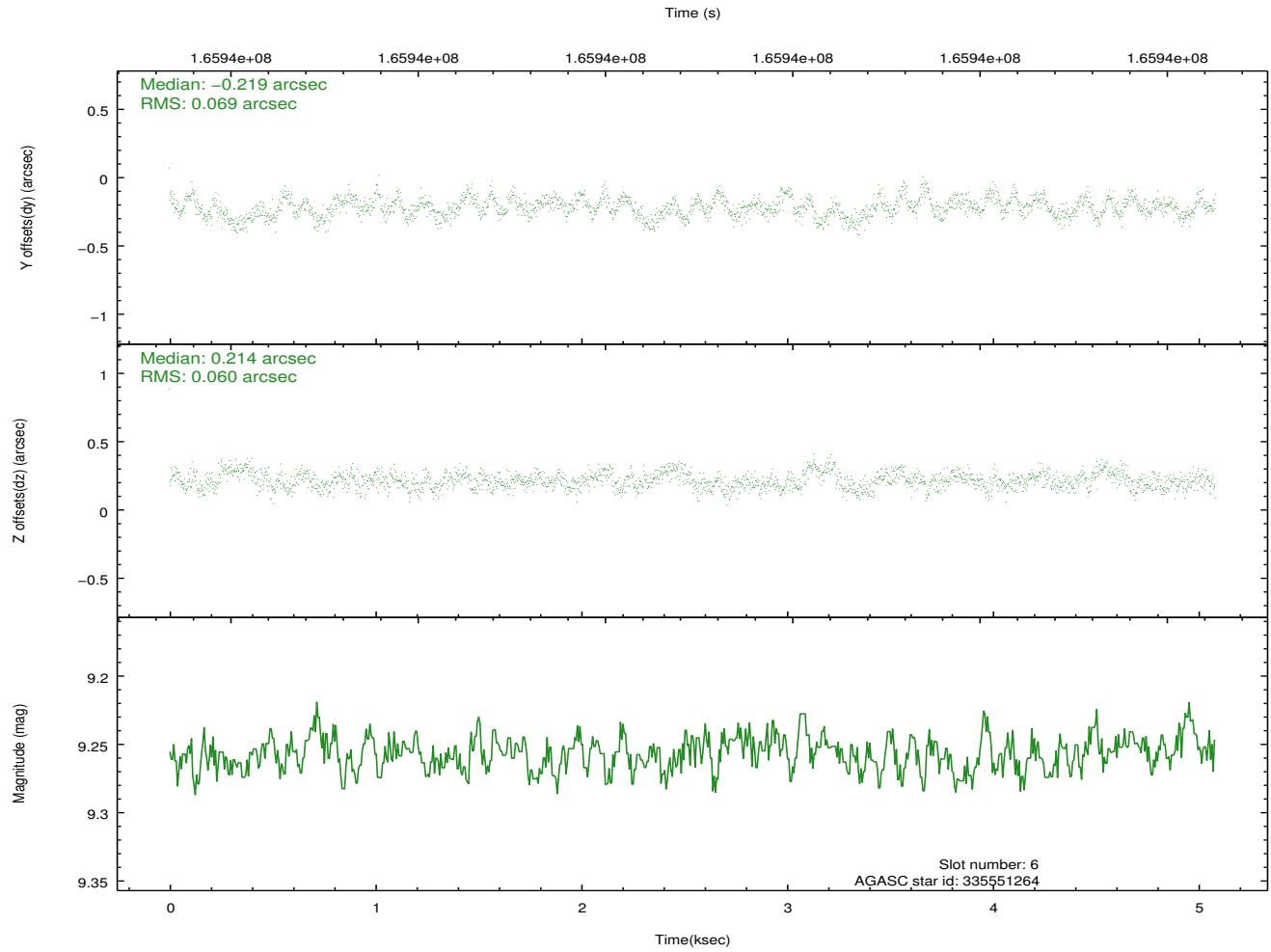
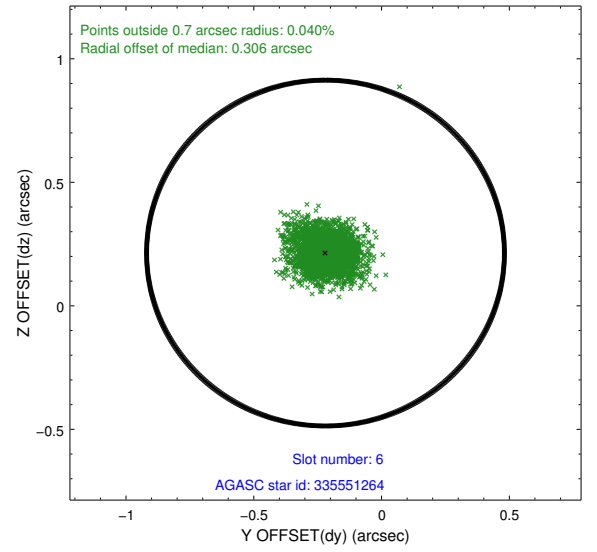
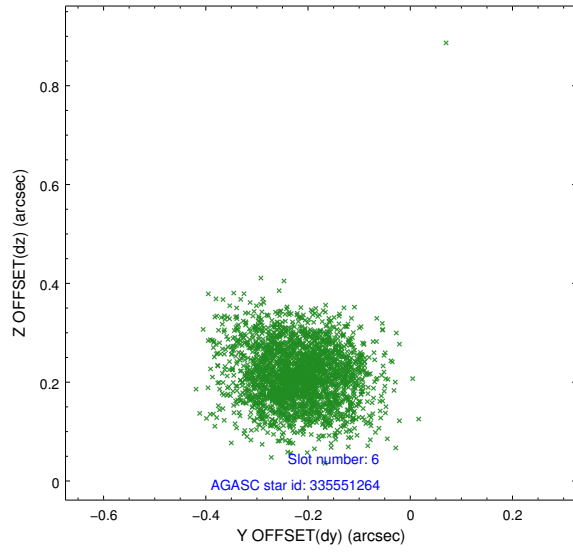
2.4.2 Slot 4



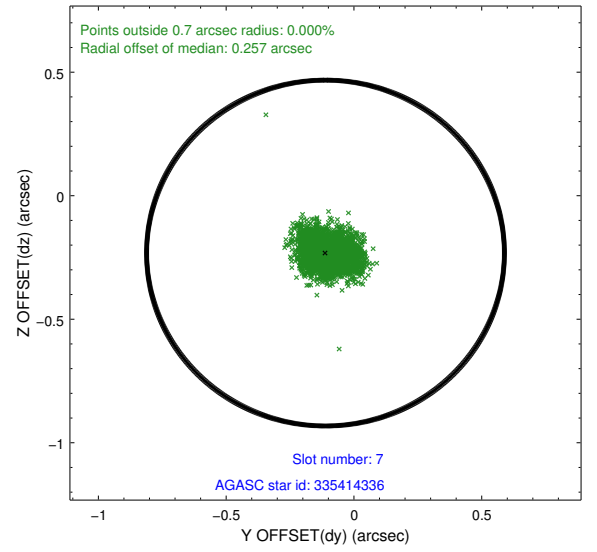
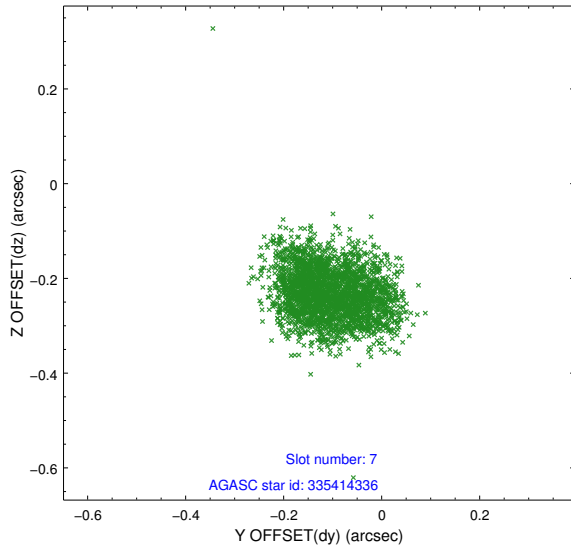
2.4.3 Slot 5



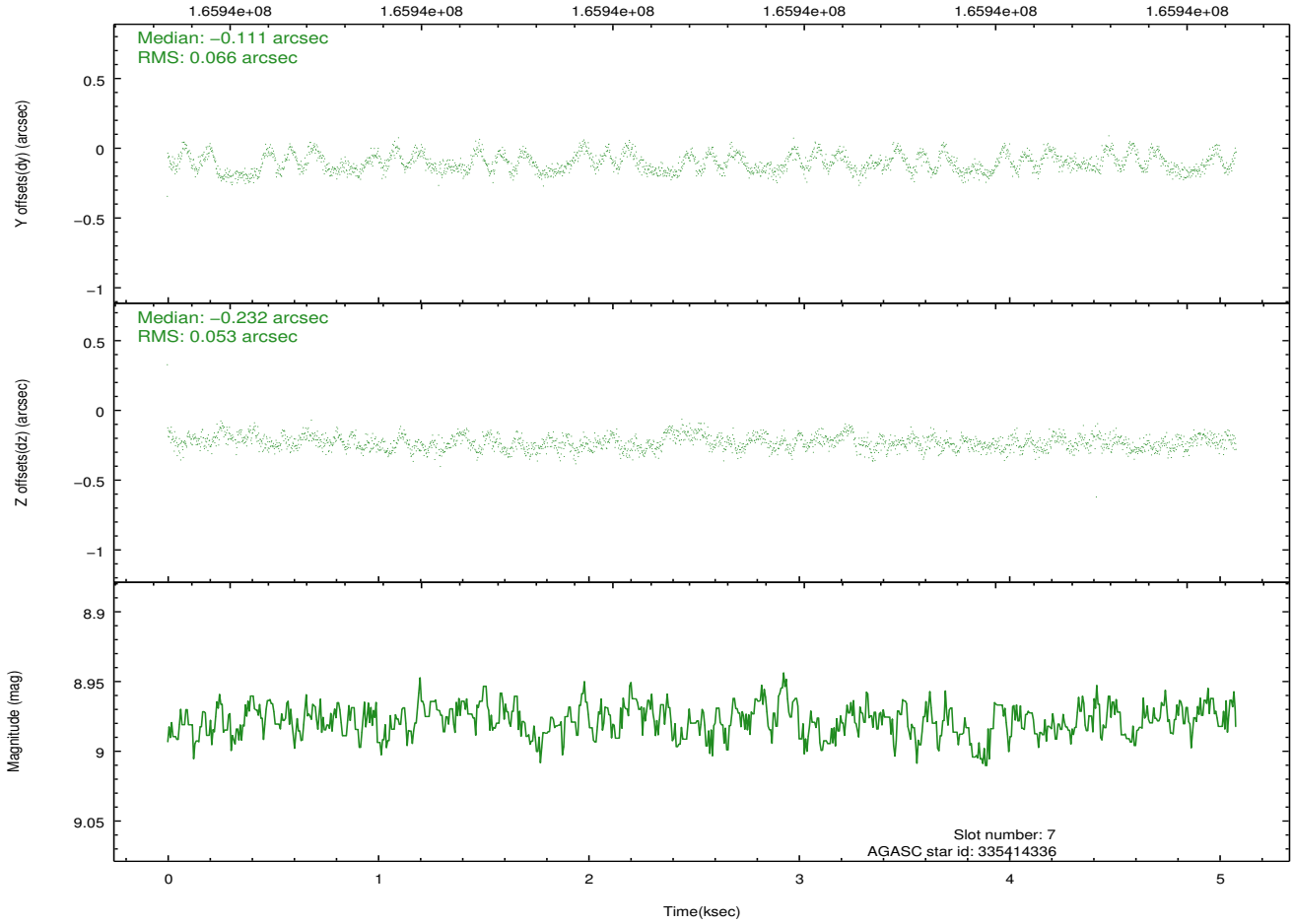
2.4.4 Slot 6



2.4.5 Slot 7

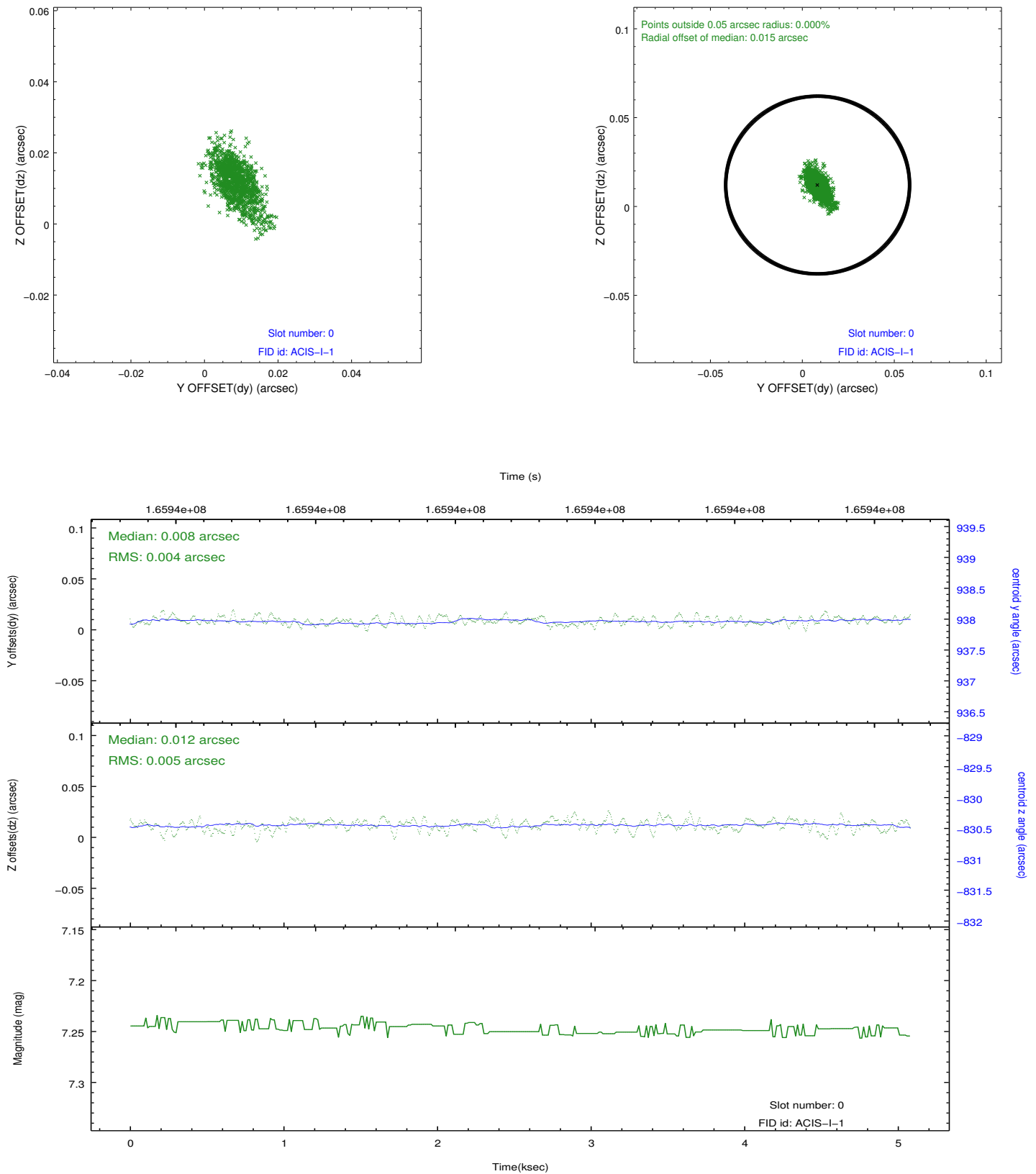


Time (s)

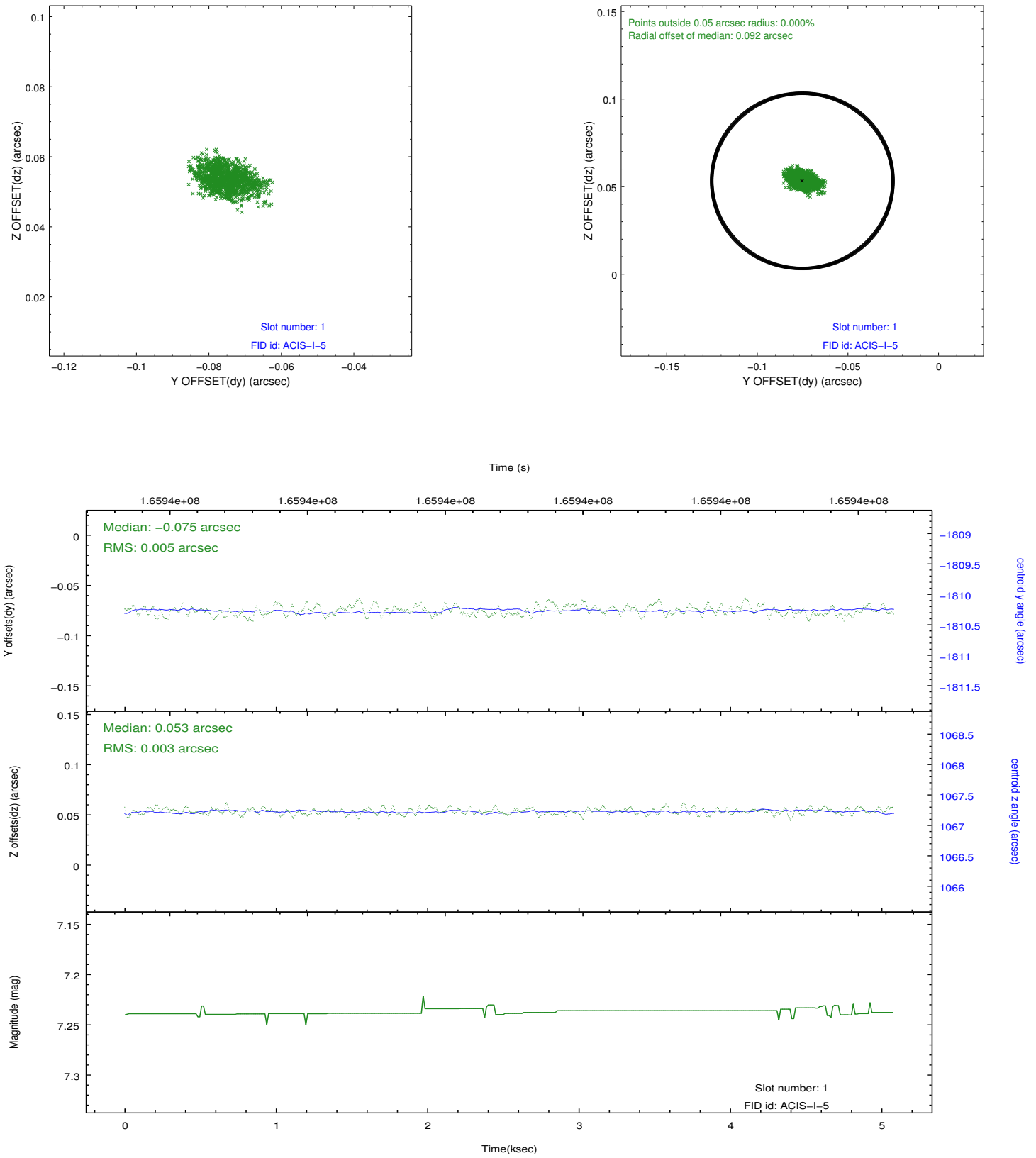


2.5 FID Slots

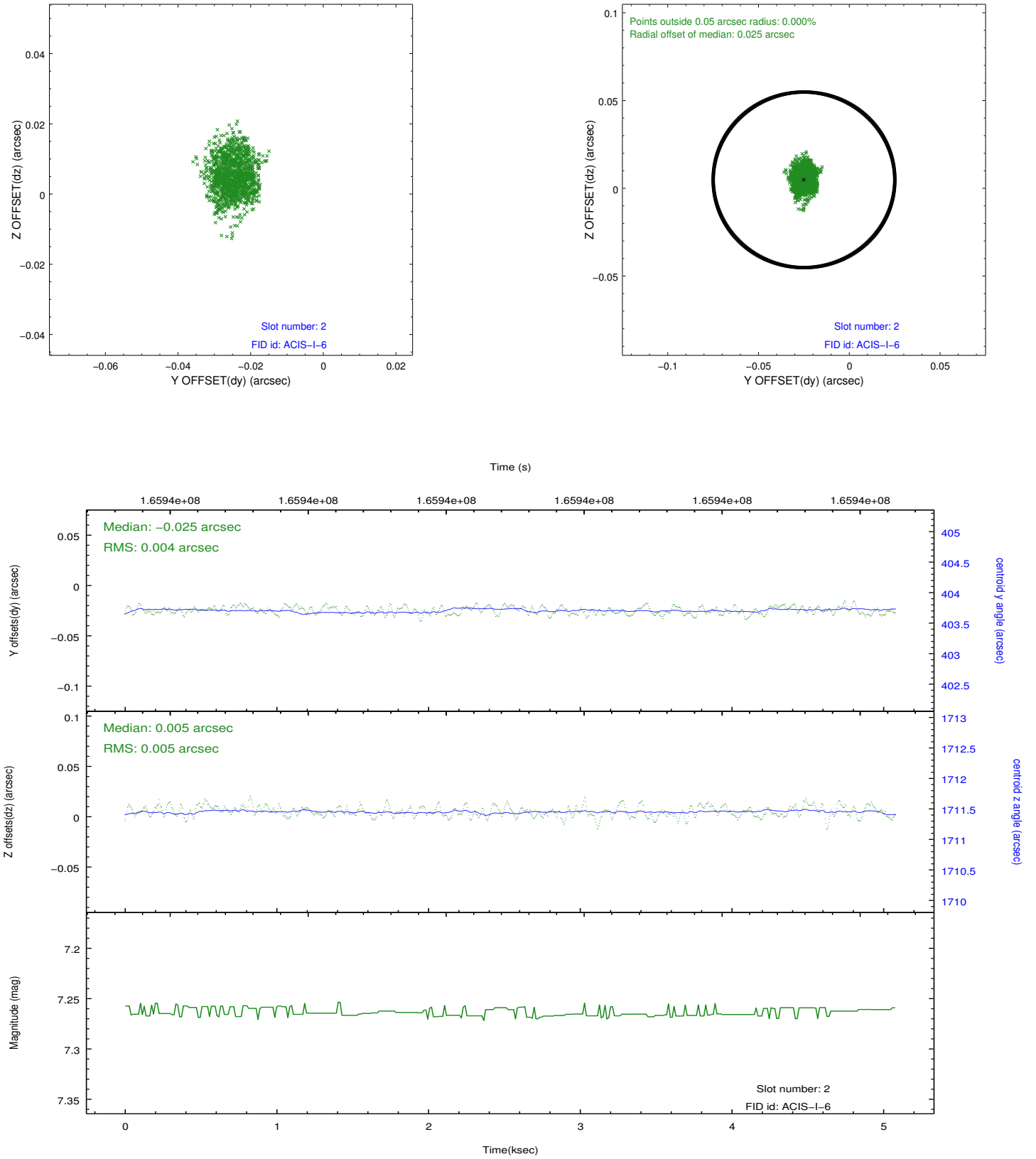
2.5.1 Slot 0



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	4.675

A.2 Comments