

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3620 - L2 Version 3
Chandra X-Ray Center

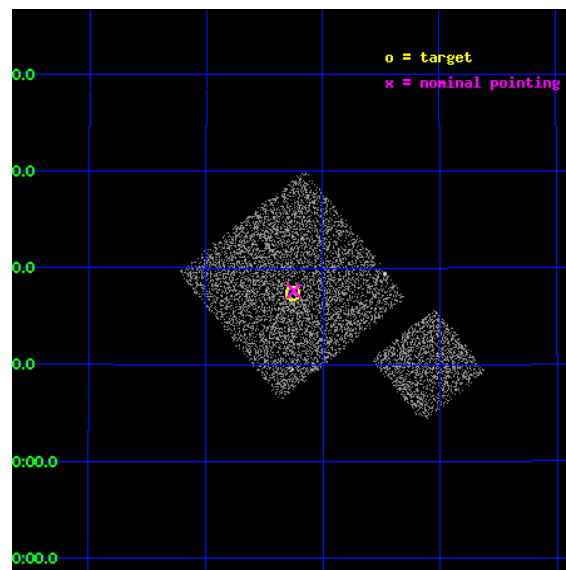
L2 Processing Date : Oct 24 2012

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1 Front

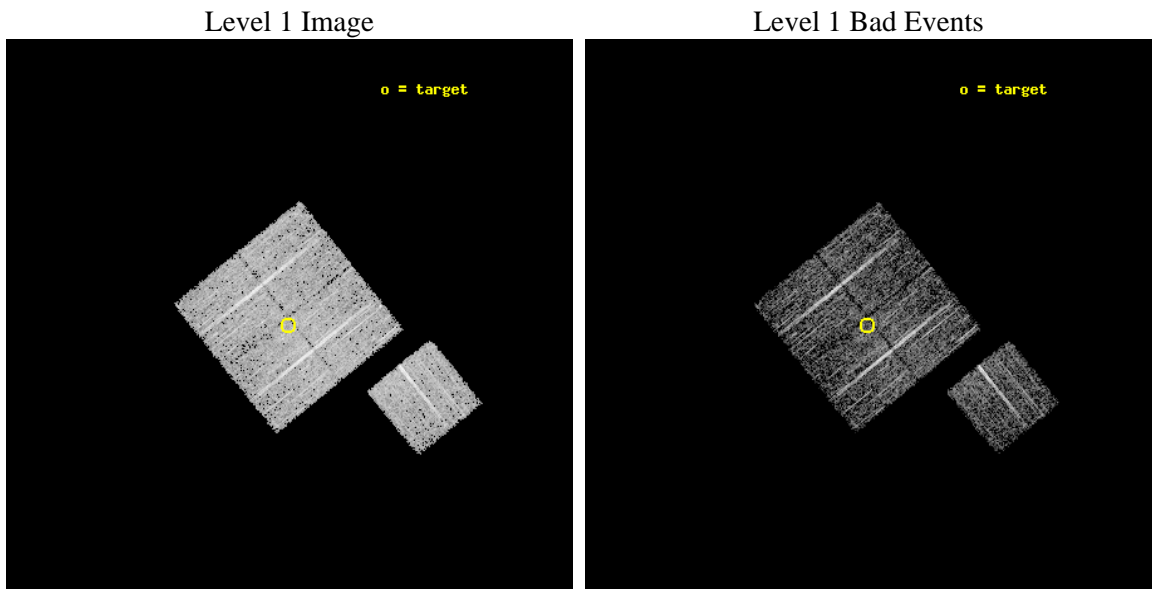
seq_num	900220	Sequence number
obs_id	3620	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F60	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.314346	Observer's specified target RA [deg]
dec_targ	35.290164	Observer's specified target Dec [deg]
ra_nom	216.31173964807	Nominal RA [deg]
dec_nom	35.29426081872	Nominal Dec [deg]
roll_nom	141.01028938355	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4773.1258505583	Sum of GTIs [s]
livetime	4710.7614473966	Livetime [s]
ontime0	4773.0027305484	Sum of GTIs [s]
ontime1	4773.0437705517	Sum of GTIs [s]
ontime2	4773.084810555	Sum of GTIs [s]
ontime3	4773.1258505583	Sum of GTIs [s]
ontime6	4772.9616905451	Sum of GTIs [s]
l2events	9976	Number of level 2 events



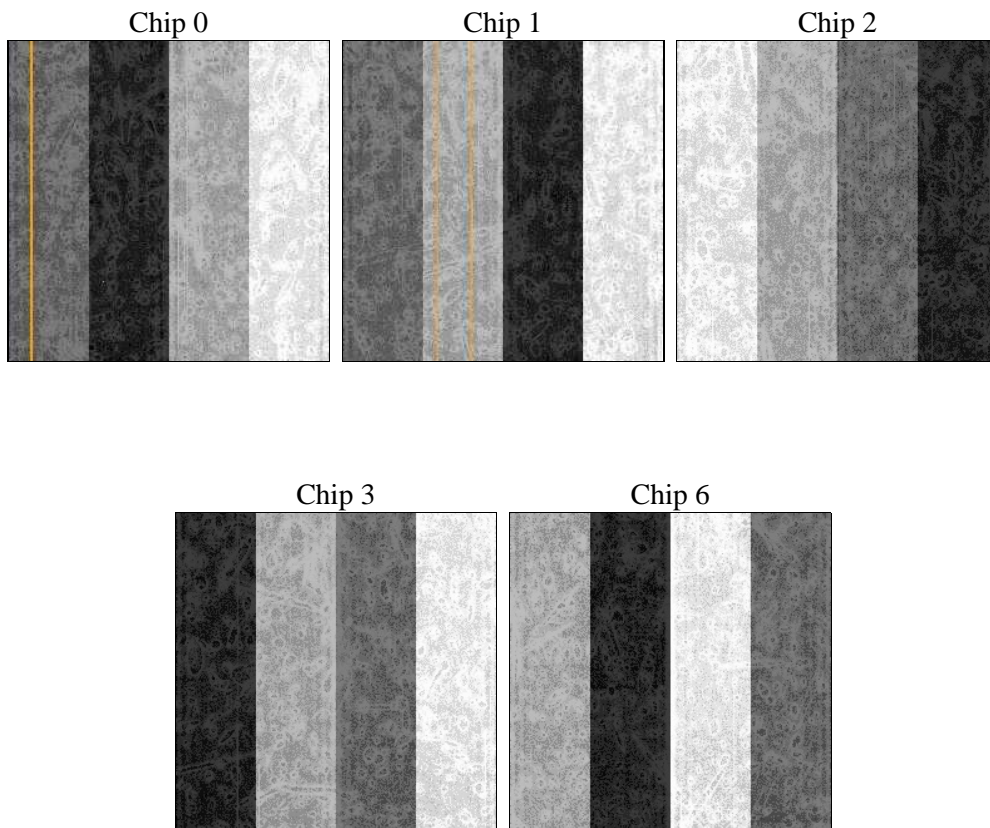
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4773.1258505583	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4773.0027305484	Sum of GTIs [s]
date	2012-10-24T20:50:27	Date and time of file creation	ontime1	4773.0437705517	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4773.084810555	Sum of GTIs [s]
			ontime3	4773.1258505583	Sum of GTIs [s]
			ontime6	4772.9616905451	Sum of GTIs [s]
			l1events	124034	Number of level 1 events

2.1.4 Events

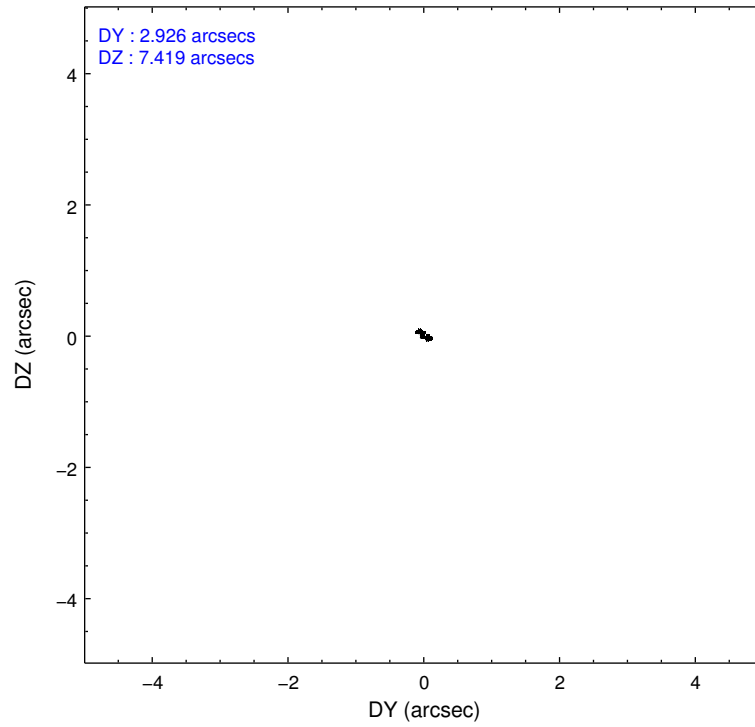
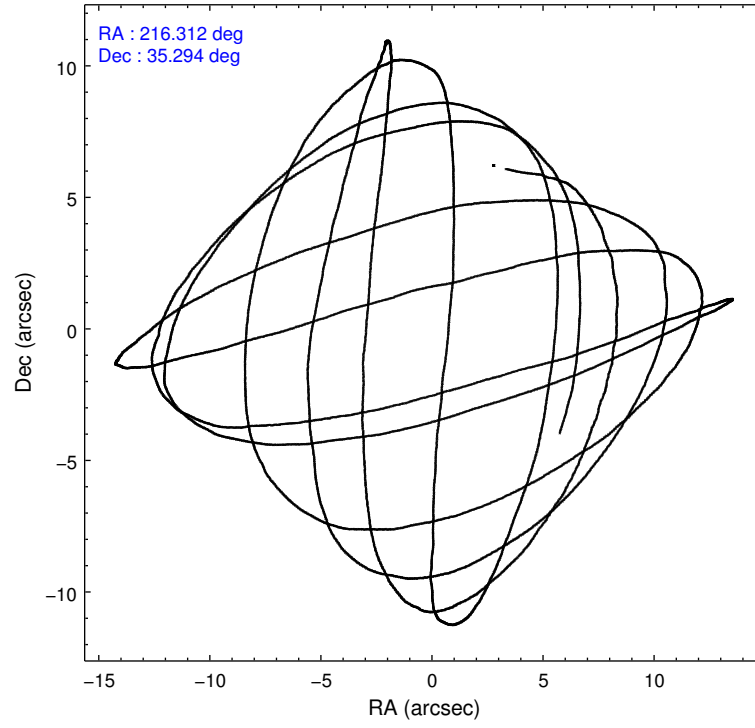
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22934	24154	27075	25364	24507
rejected events	20546	21561	24607	23040	22125
rejected %	89%	89%	90%	90%	90%

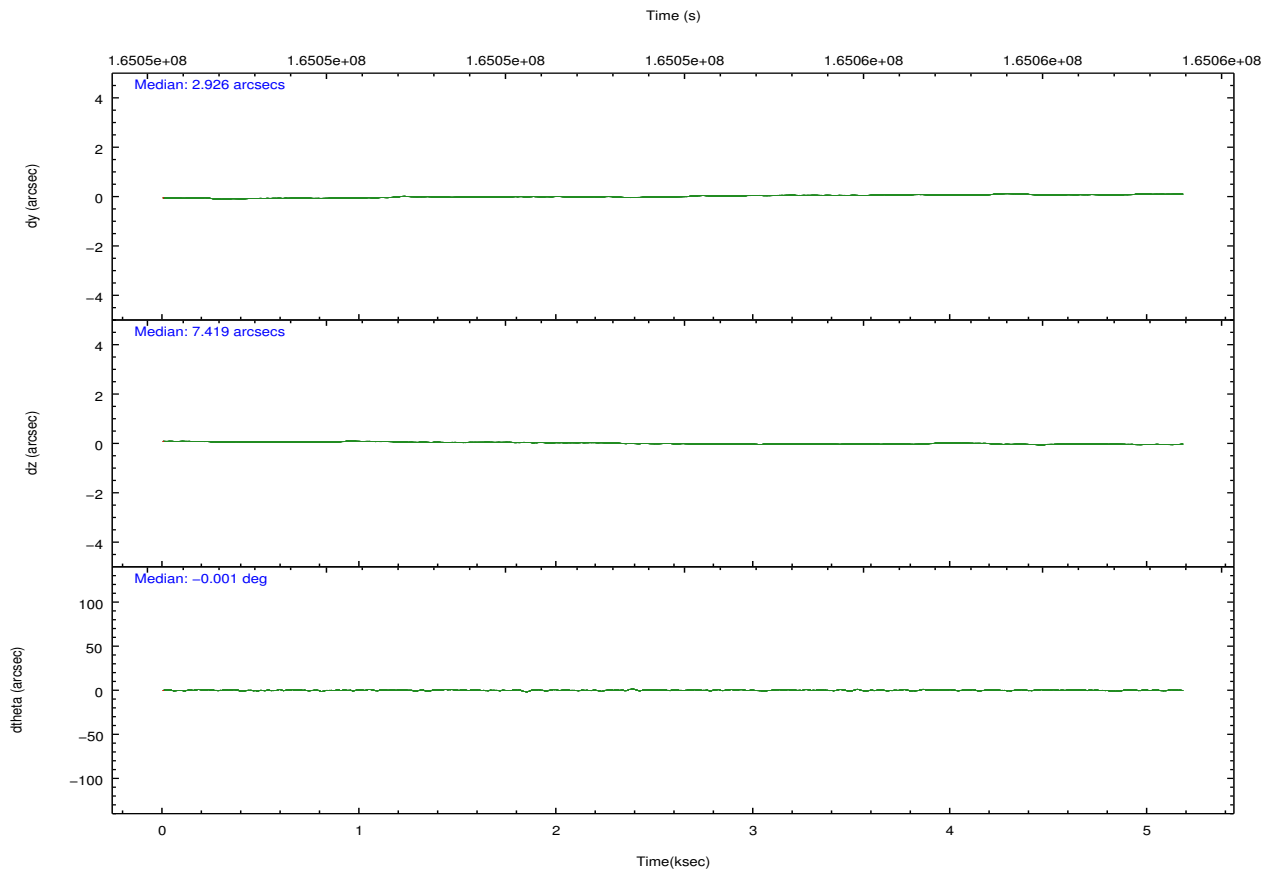
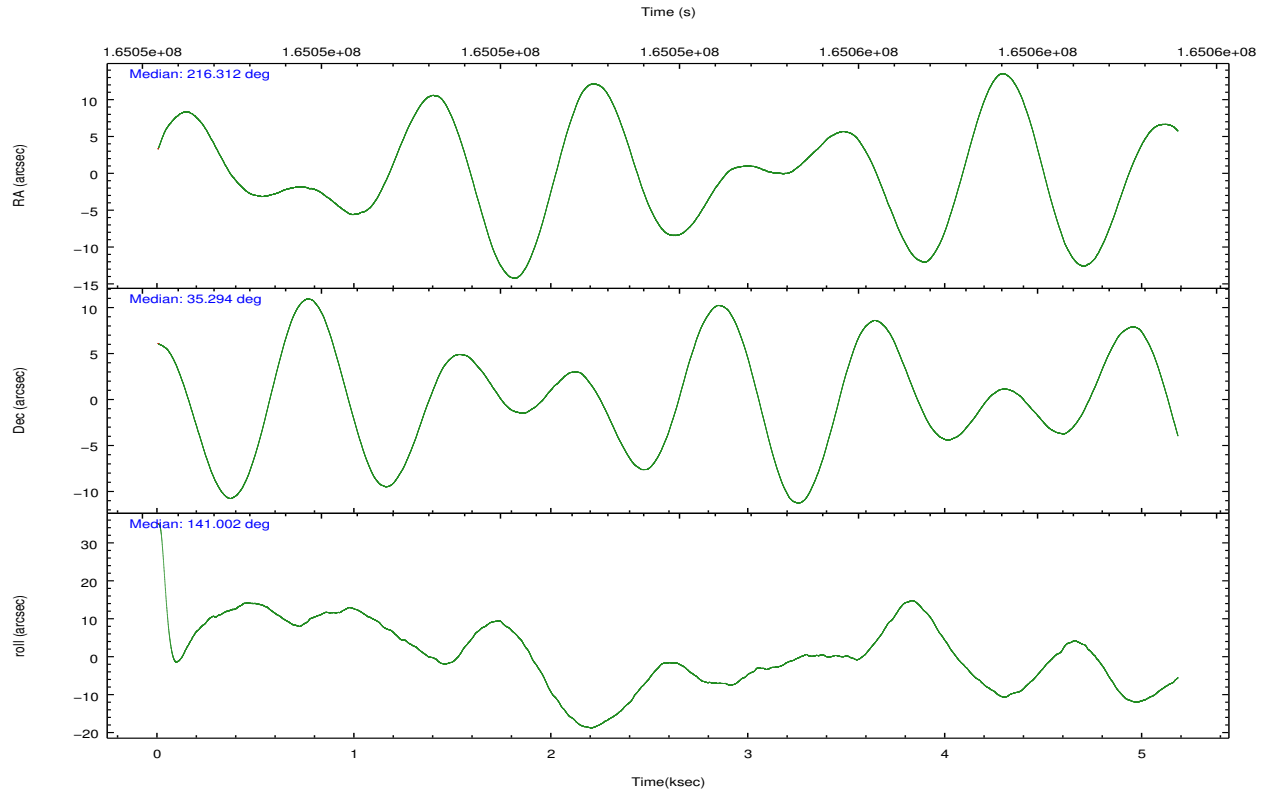
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	869	945	945	911	869
	3%	3%	3%	3%	3%
grade 1 events	14	3	20	11	10
	0%	0%	0%	0%	0%
grade 2 events	520	547	607	494	501
	2%	2%	2%	1%	2%
grade 3 events	297	340	253	235	288
	1%	1%	0%	0%	1%
grade 4 events	285	309	266	260	292
	1%	1%	0%	1%	1%
grade 5 events	698	767	670	794	799
	3%	3%	2%	3%	3%
grade 6 events	420	455	399	427	433
	1%	1%	1%	1%	1%
grade 7 events	19831	20788	23915	22232	21315
	86%	86%	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	216.344836	216.311739648069	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.290084	35.29426081872029	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782382	141.0102893835482	[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)	165051529.184000	165051153.86063			
Observation start date	2003-03-26T07:37:45	2003-03-26T07:32:33			
[s] Observation end time (MET)	165056529.184000	165056663.23587			
Observation end date	2003-03-26T09:01:05	2003-03-26T09:04:23			
Read mode	TIMED	TIMED			

2.3 Aspect



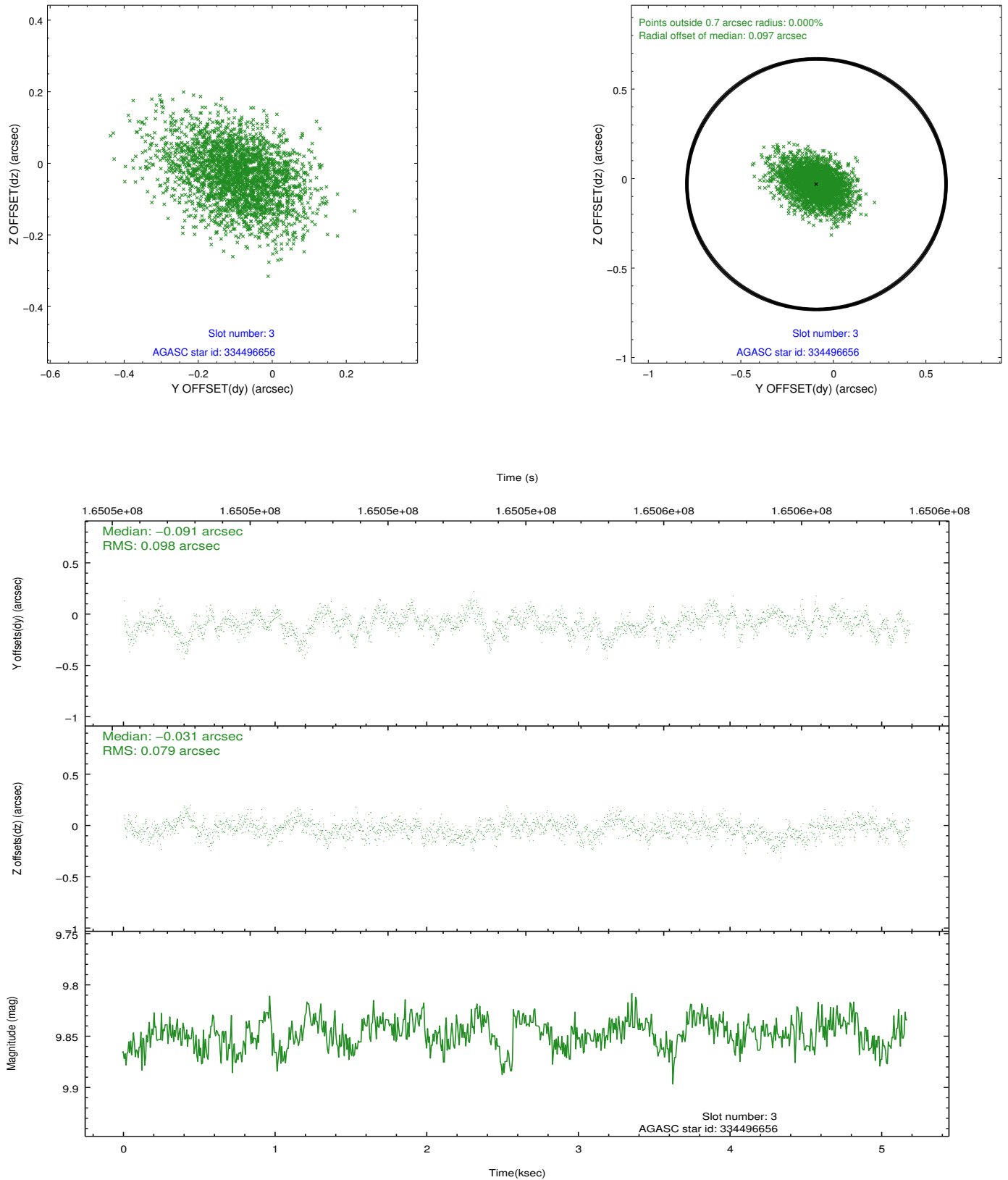


Slot Statistics

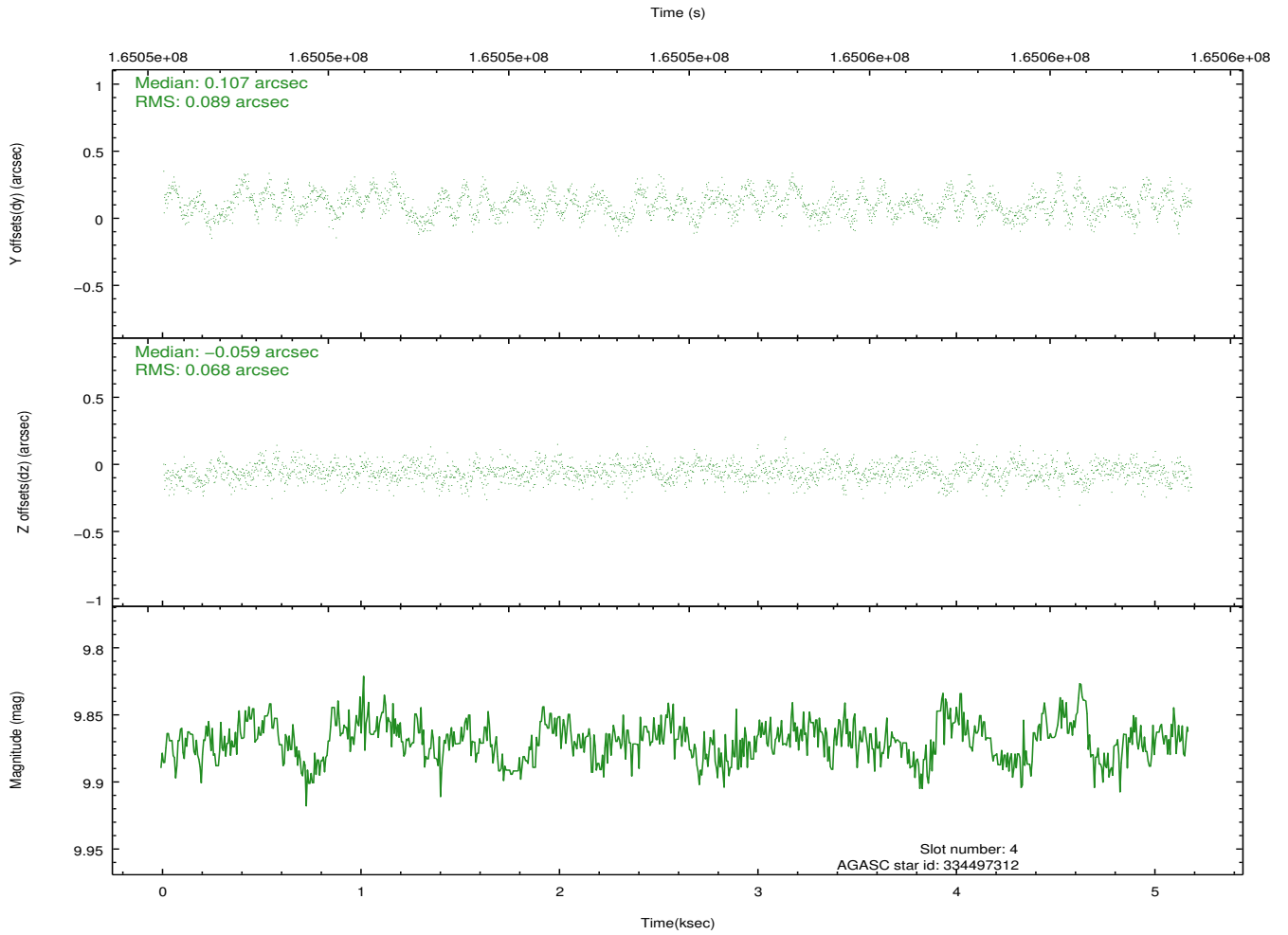
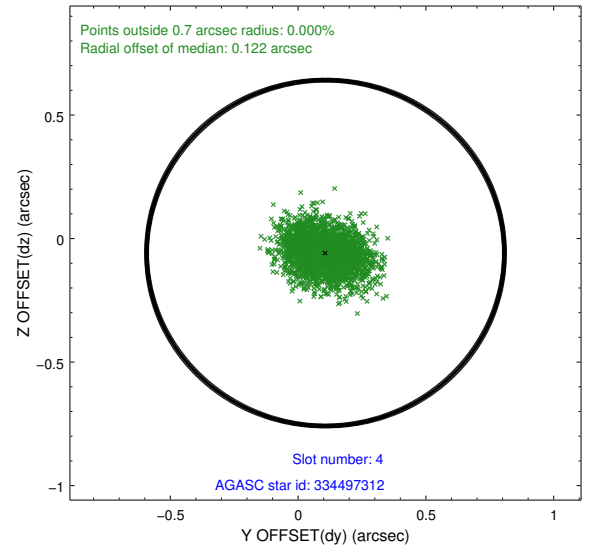
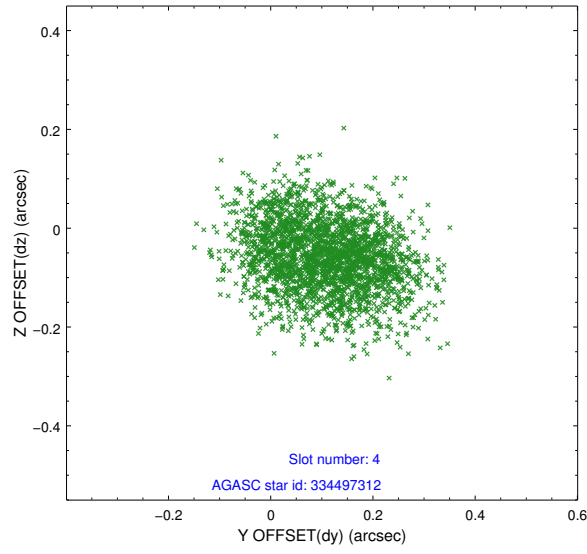
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1264	0.012	0.016	0.007	0.011	0.000000	0.000000	936.85	-830.83
1	FID	ACIS-I-5	7.25	1264	-0.085	0.055	0.007	0.011	0.000000	0.000000	-1810.67	1066.16
2	FID	ACIS-I-6	7.26	1264	-0.018	-0.001	0.006	0.010	0.000000	0.000000	401.15	1711.90
3	GUIDE	334496656	9.85	2526	-0.091	-0.031	0.131	0.225	215.929218	35.031287	361.63	1494.93
4	GUIDE	334497312	9.87	2519	0.107	-0.059	0.121	0.190	215.482164	35.047592	1424.92	2276.54
5	GUIDE	335414448	7.36	2527	-0.098	0.016	0.069	0.108	216.992261	35.577204	-810.62	-2002.84
6	GUIDE	335419120	9.65	2523	0.035	0.174	0.105	0.172	216.521861	35.833546	837.21	-1842.86
7	GUIDE	335030384	8.83	2526	0.055	-0.105	0.070	0.116	216.806407	34.722197	-2348.28	717.21

2.4 Star Slots

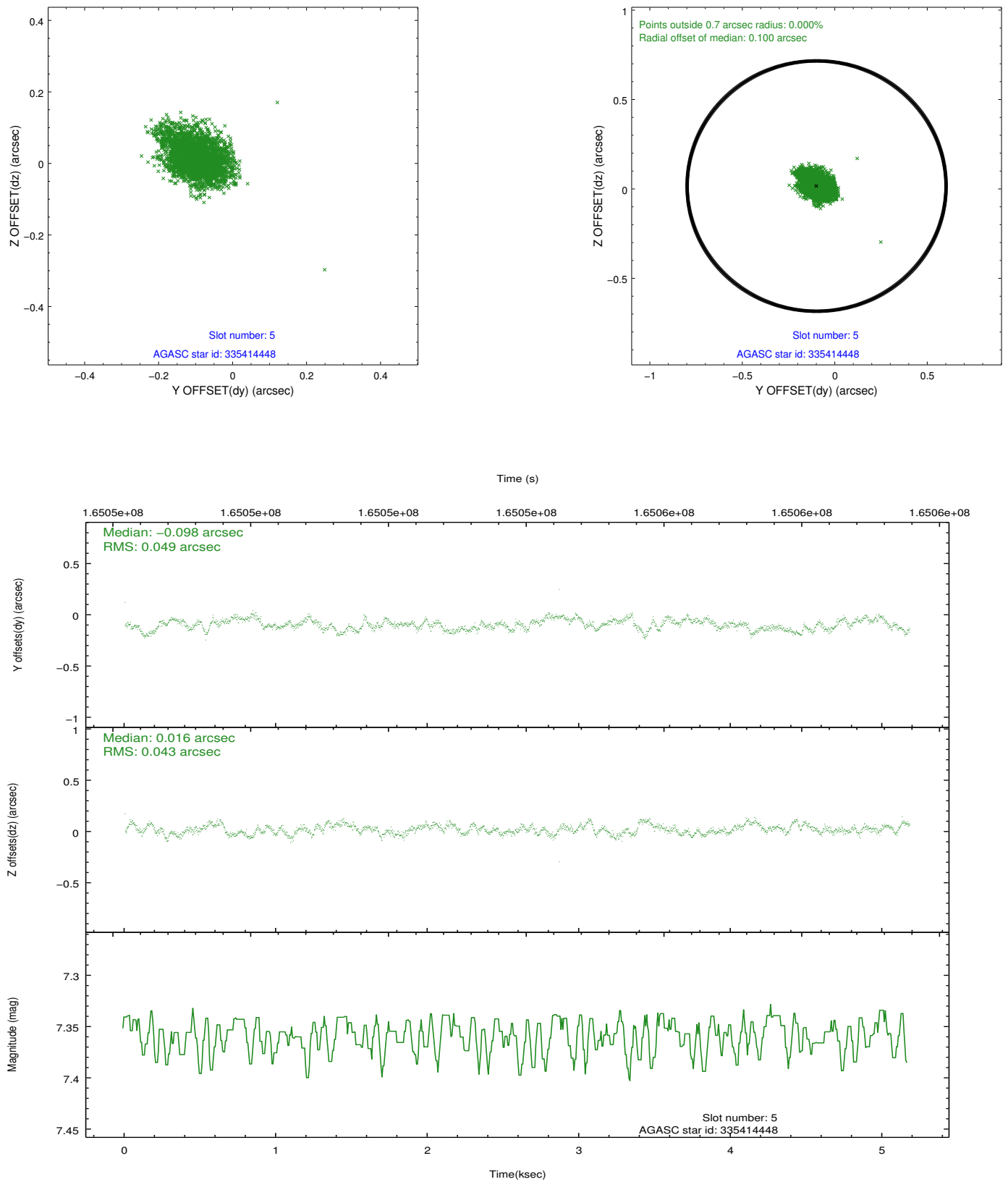
2.4.1 Slot 3



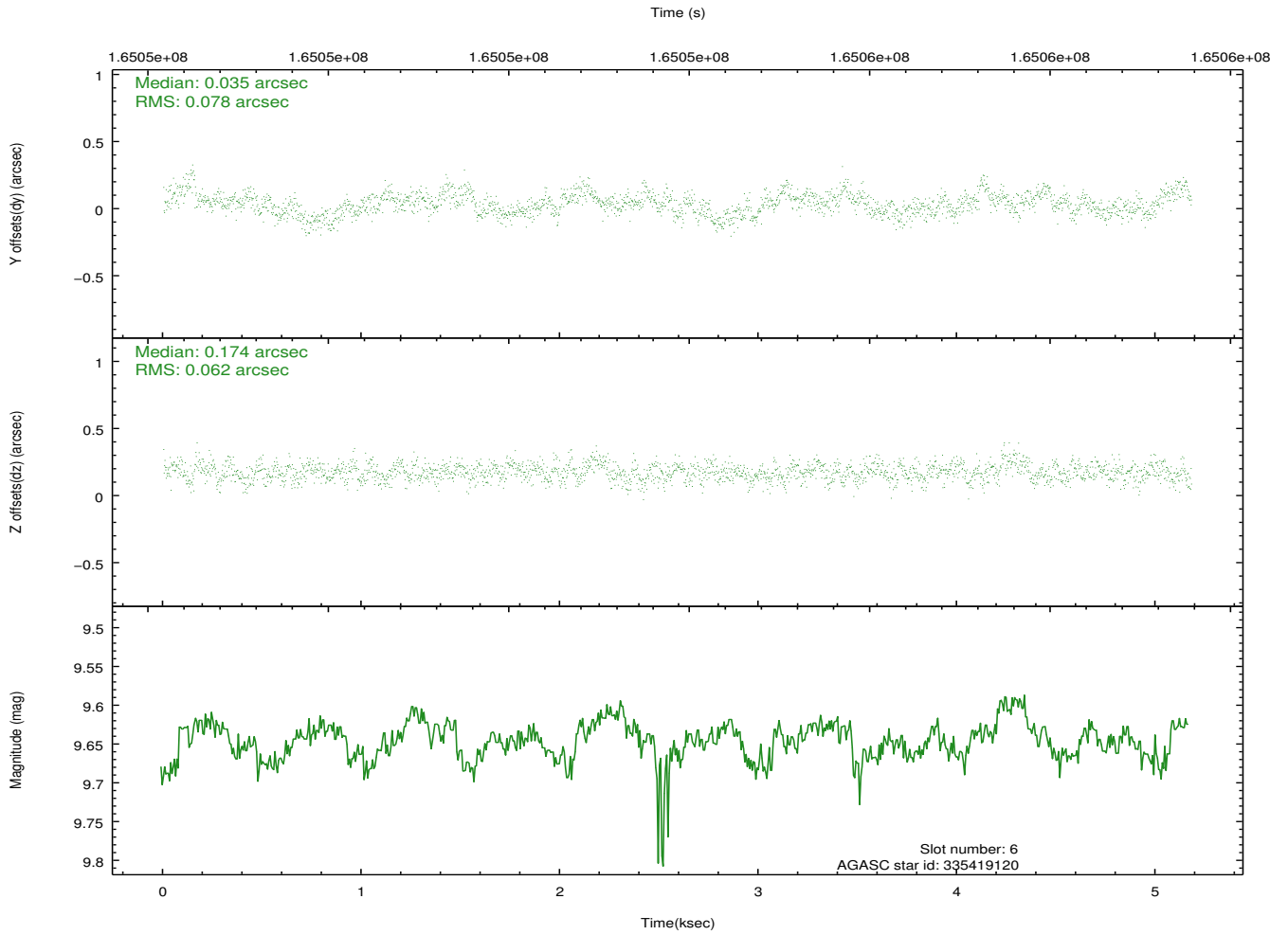
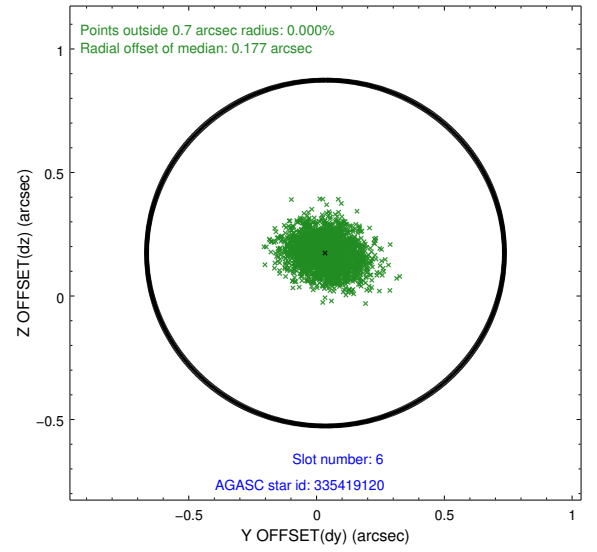
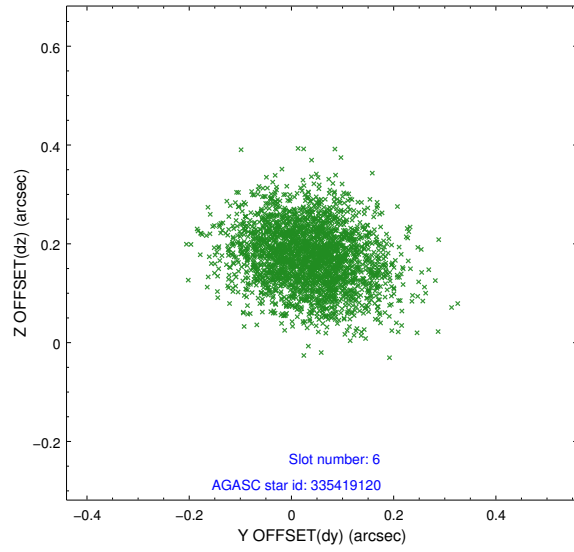
2.4.2 Slot 4



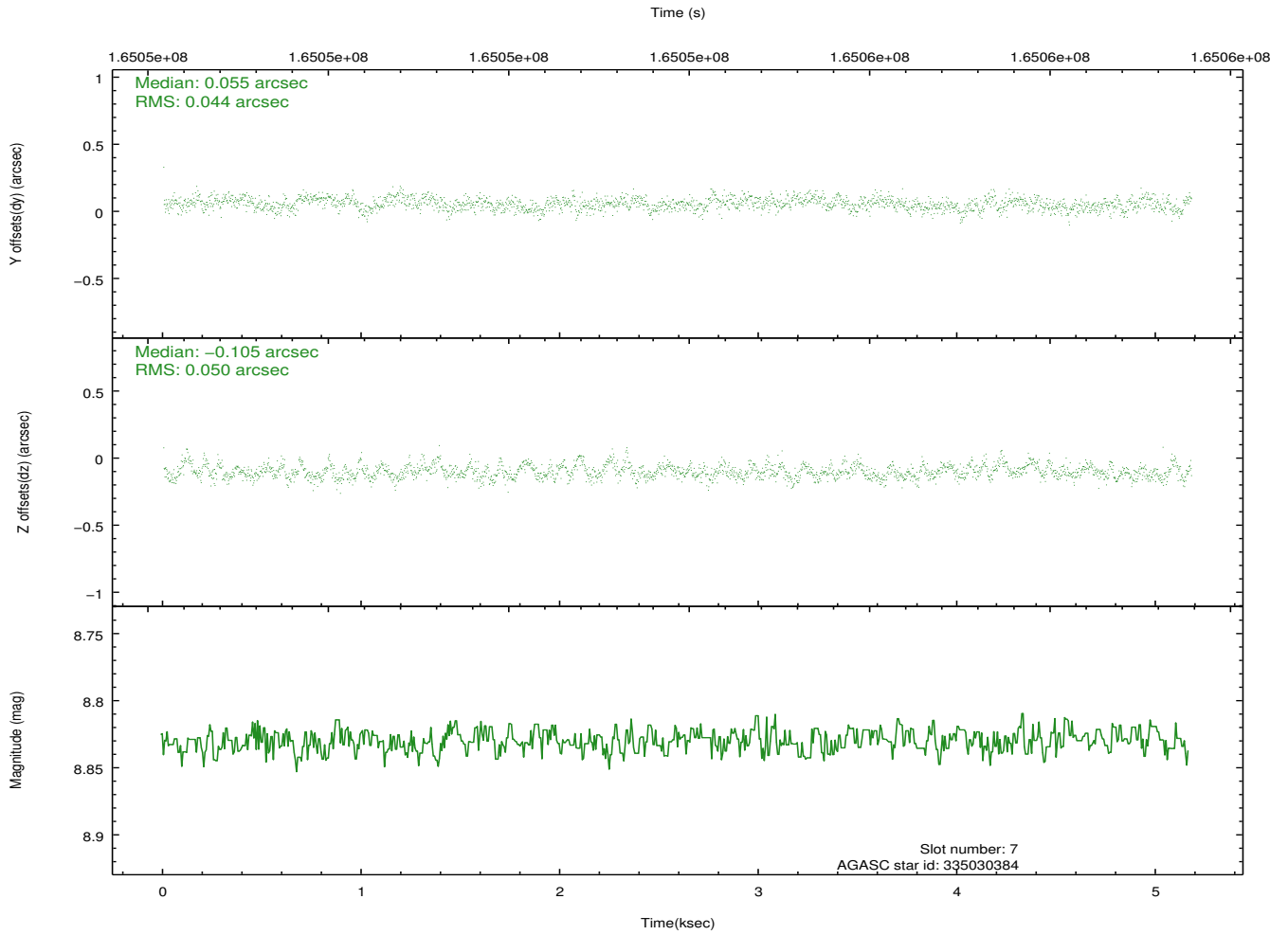
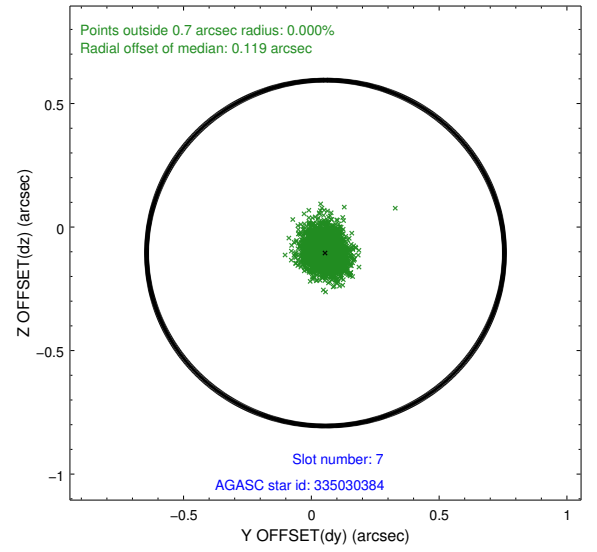
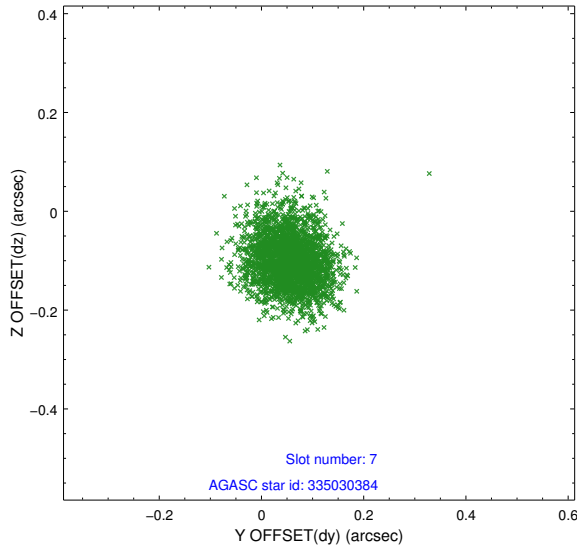
2.4.3 Slot 5



2.4.4 Slot 6

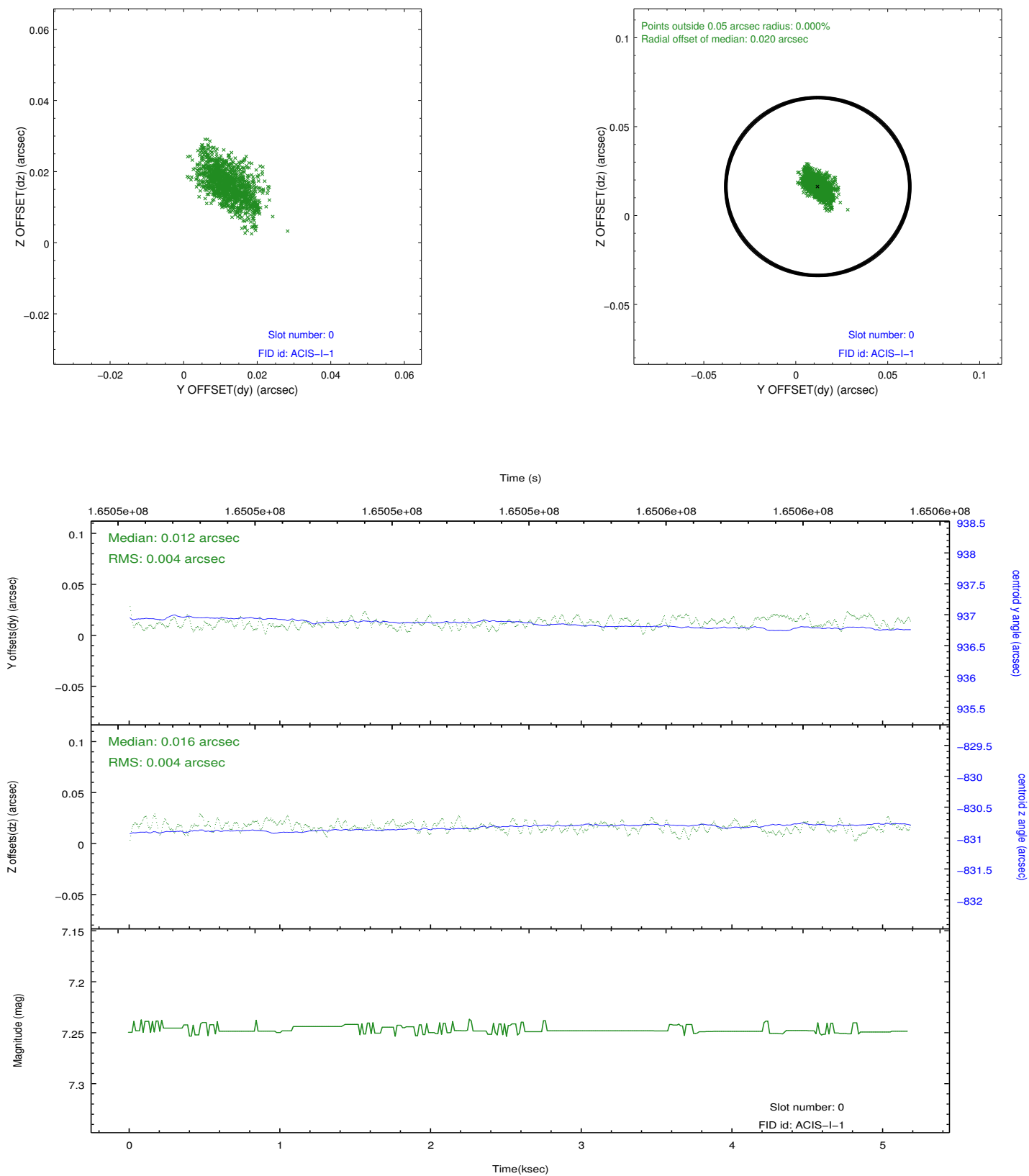


2.4.5 Slot 7

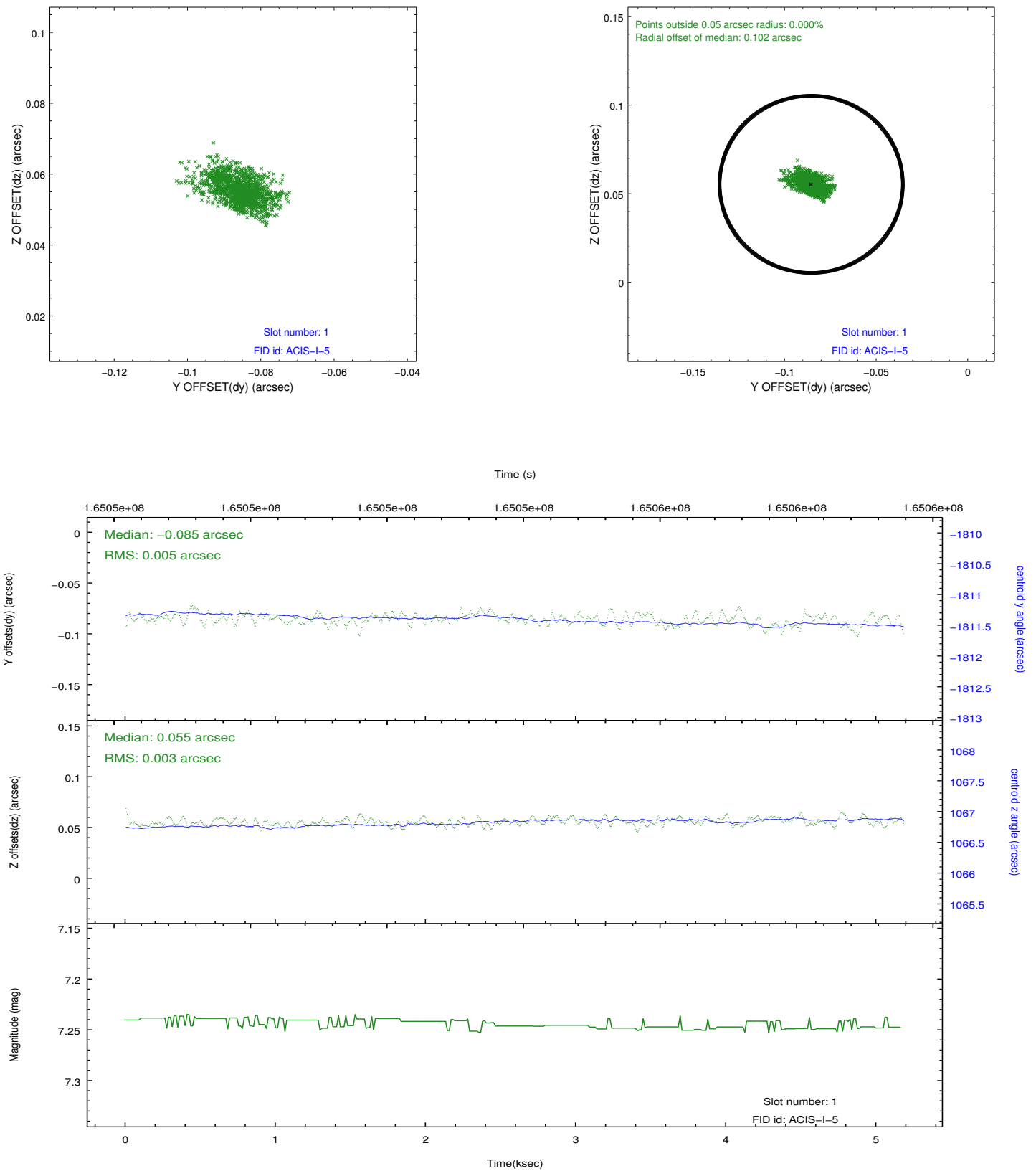


2.5 FID Slots

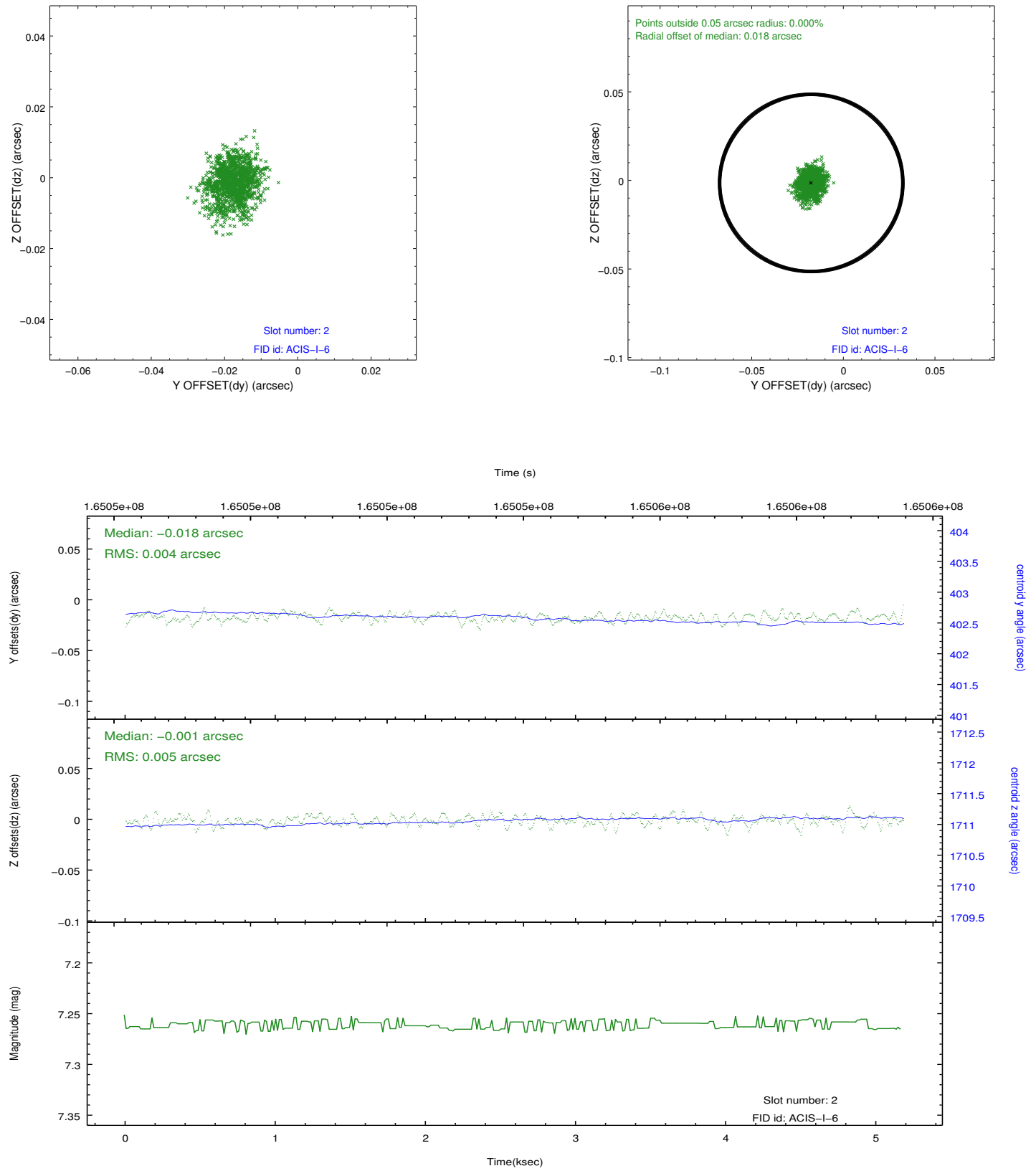
2.5.1 Slot 0



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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.773

A.2 Comments