

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3652 - L2 Version 4
Chandra X-Ray Center

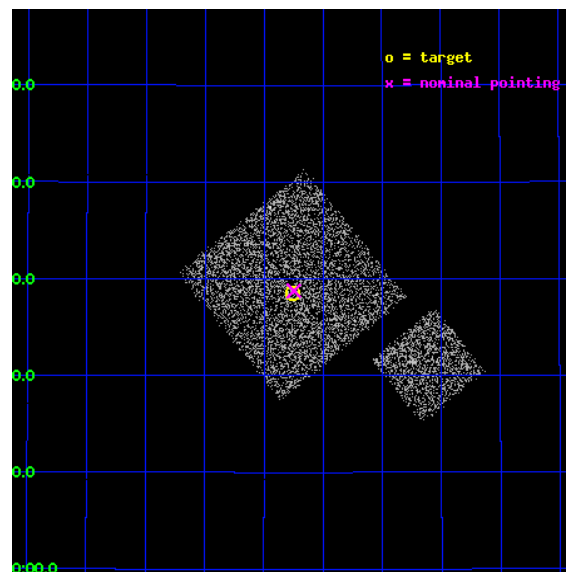
L2 Processing Date : Oct 24 2012

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1 Front

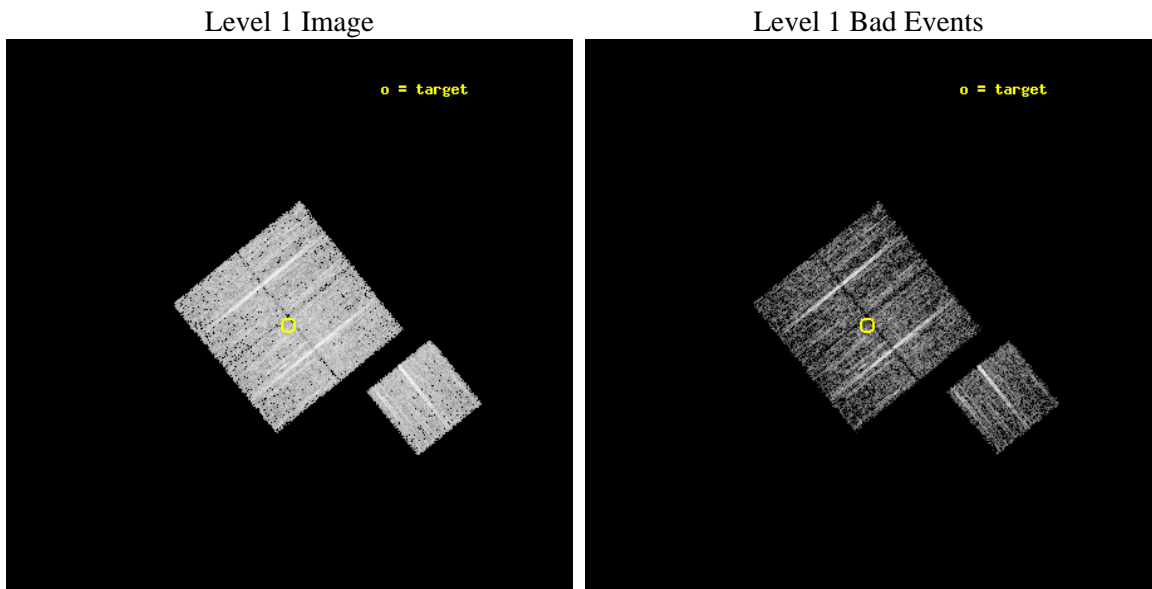
seq_num	900252	Sequence number
obs_id	3652	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F43	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.314346	Observer's specified target RA [deg]
dec_targ	34.475388	Observer's specified target Dec [deg]
ra_nom	216.31167959152	Nominal RA [deg]
dec_nom	34.479389242051	Nominal Dec [deg]
roll_nom	141.01023648992	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4776.6898262203	Sum of GTIs [s]
livetime	4714.2788570928	Livetime [s]
ontime0	4776.5667062104	Sum of GTIs [s]
ontime1	4776.6077462137	Sum of GTIs [s]
ontime2	4776.648786217	Sum of GTIs [s]
ontime3	4776.6898262203	Sum of GTIs [s]
ontime6	4776.5256662071	Sum of GTIs [s]
l2events	9512	Number of level 2 events



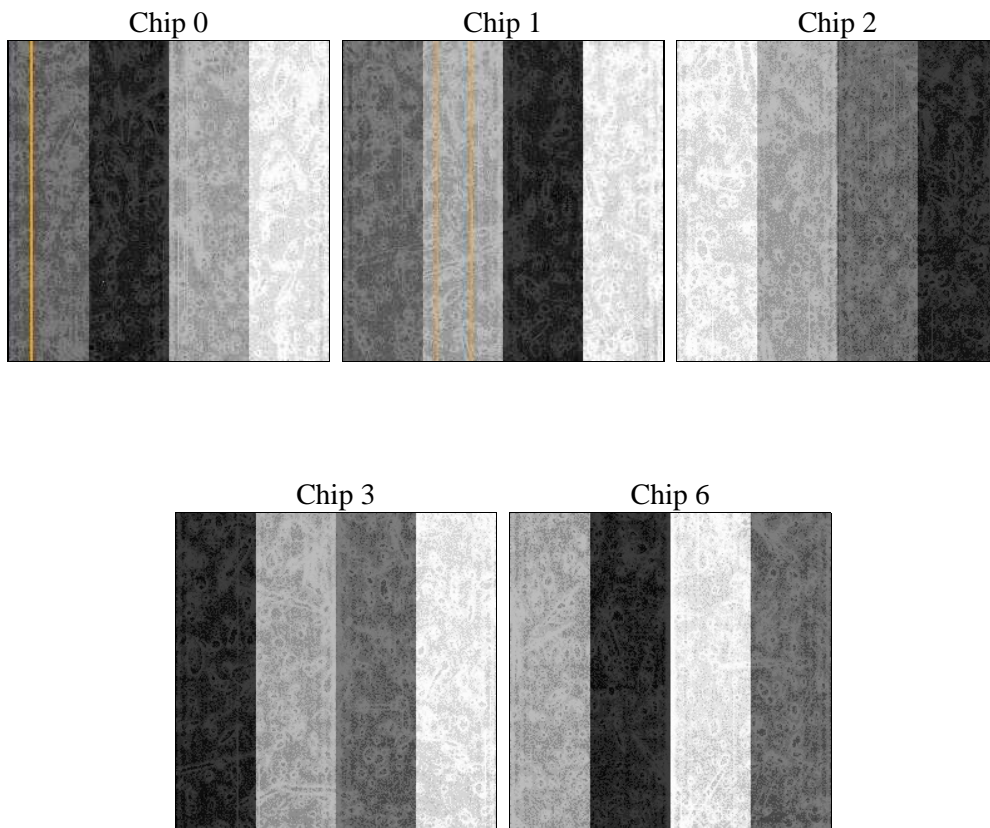
2 OBI

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	4776.6898262203	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.5667062104	Sum of GTIs [s]
date	2012-10-24T20:51:41	Date and time of file creation	ontime1	4776.6077462137	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4776.648786217	Sum of GTIs [s]
			ontime3	4776.6898262203	Sum of GTIs [s]
			ontime6	4776.5256662071	Sum of GTIs [s]
			l1events	121677	Number of level 1 events

2.1.4 Events

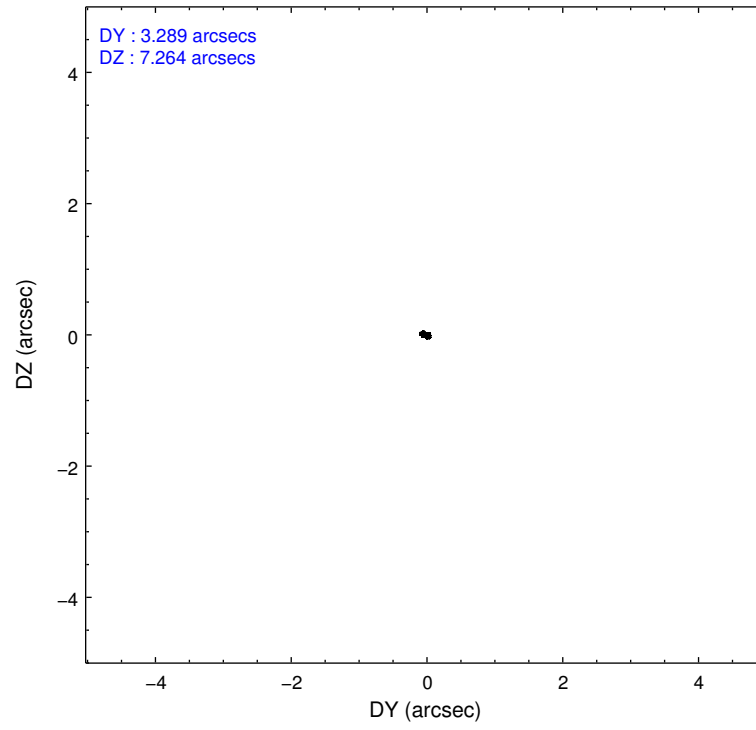
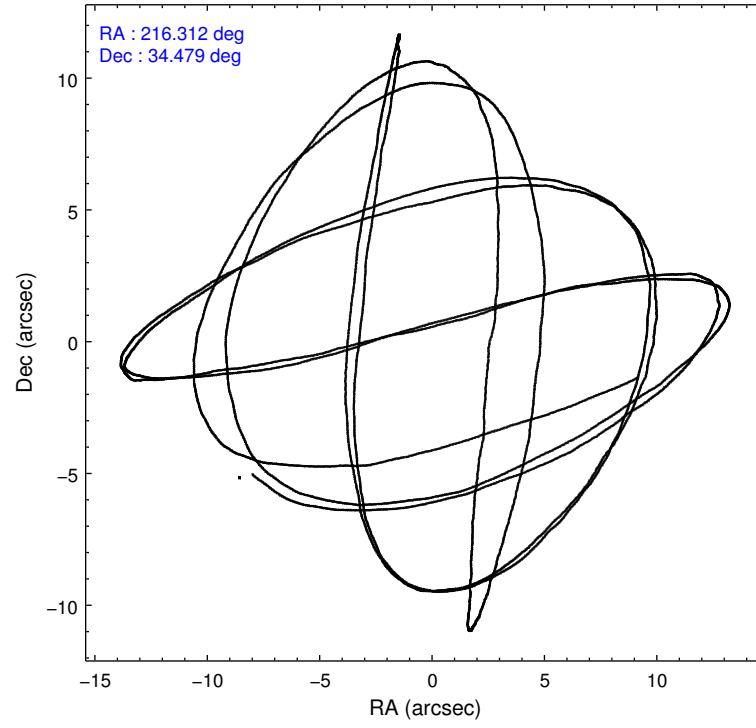
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23882	22962	25261	25103	24469
rejected events	21468	20487	22888	22958	22065
rejected %	89%	89%	90%	91%	90%

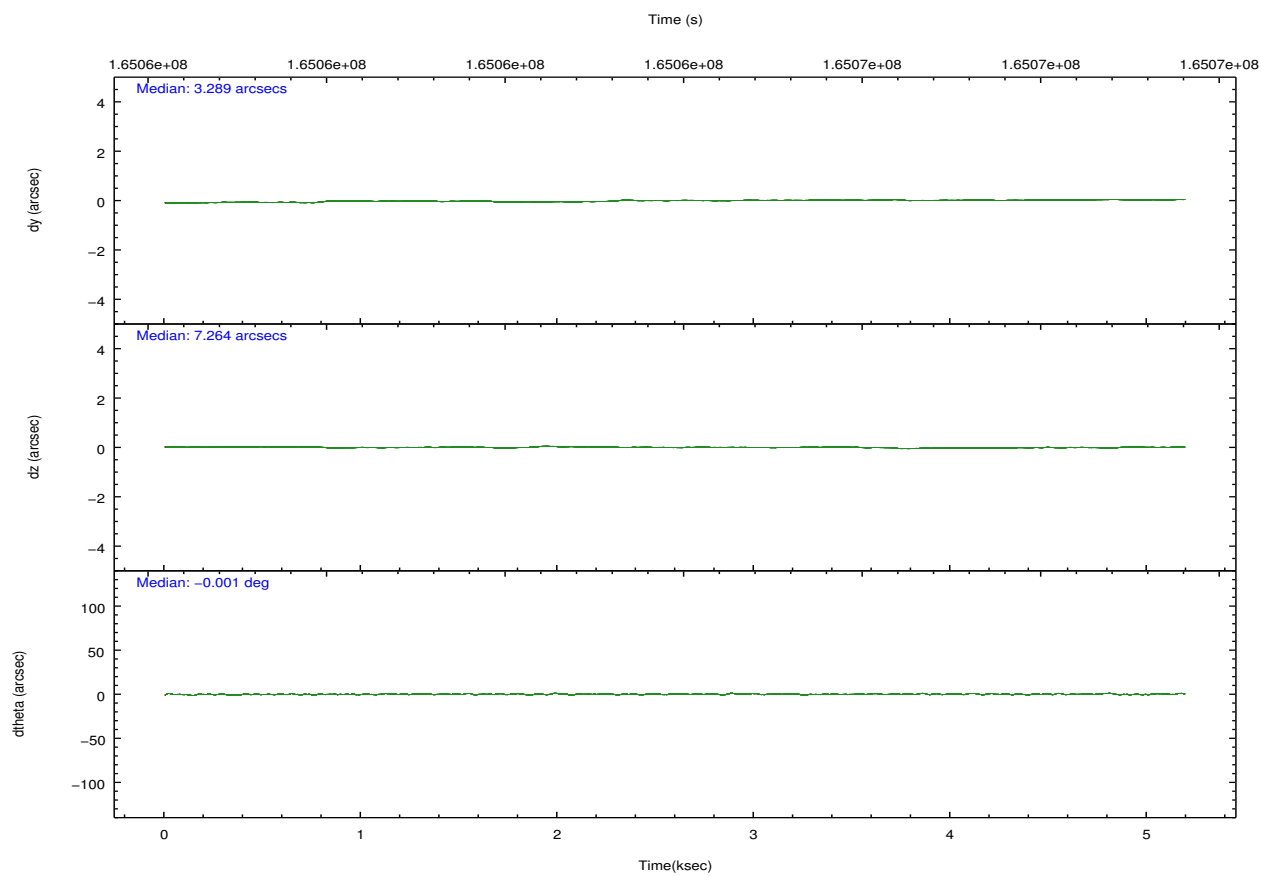
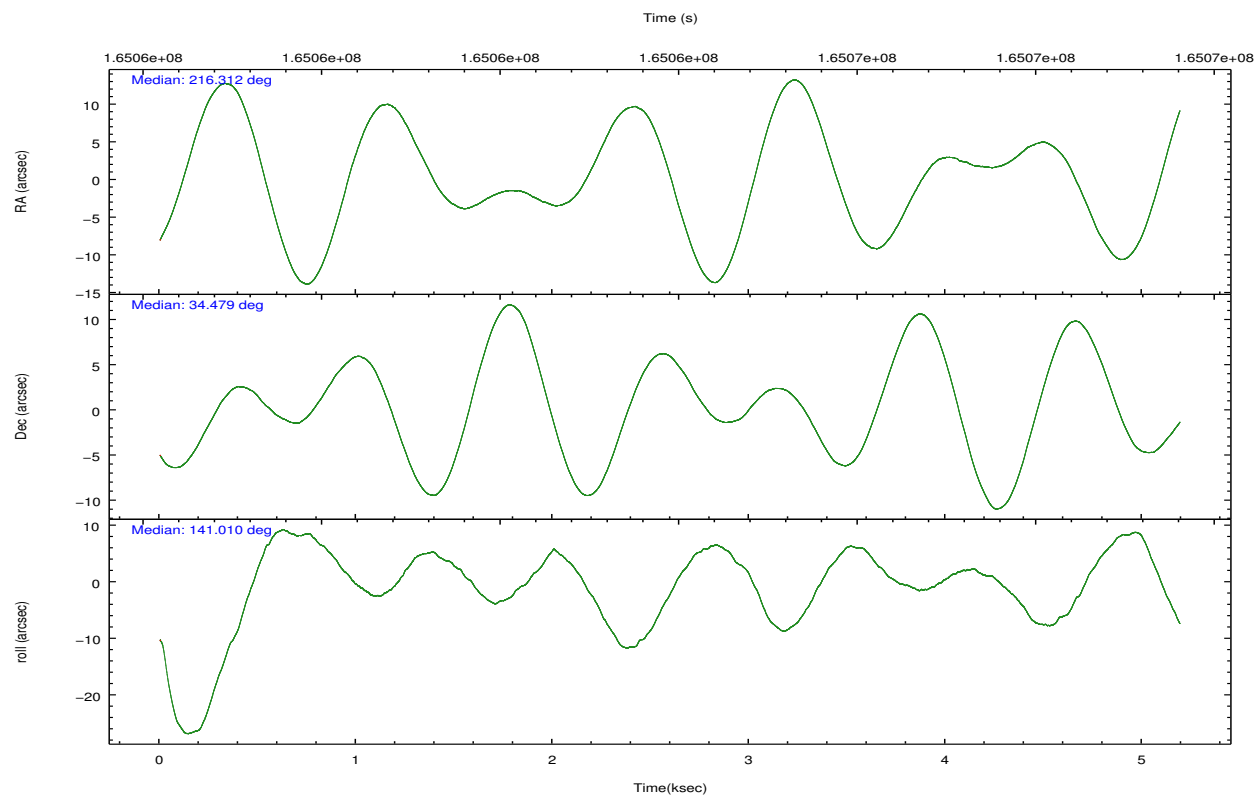
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	879	831	884	723	912
	3%	3%	3%	2%	3%
grade 1 events	16	3	22	10	13
	0%	0%	0%	0%	0%
grade 2 events	538	575	569	489	480
	2%	2%	2%	1%	1%
grade 3 events	273	300	276	268	274
	1%	1%	1%	1%	1%
grade 4 events	271	291	241	262	259
	1%	1%	0%	1%	1%
grade 5 events	770	736	660	844	795
	3%	3%	2%	3%	3%
grade 6 events	454	481	404	405	480
	1%	2%	1%	1%	1%
grade 7 events	20681	19745	22205	22102	21256
	86%	85%	87%	88%	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	216.344534	216.3116795915249	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.475312	34.47938924205065	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782913	141.0102364899164	[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)	165062549.184000	165062173.6361			
Observation start date	2003-03-26T10:41:25	2003-03-26T10:36:13			
[s] Observation end time (MET)	165067549.184000	165067683.52383			
Observation end date	2003-03-26T12:04:45	2003-03-26T12:08:03			
Read mode	TIMED	TIMED			

2.3 Aspect



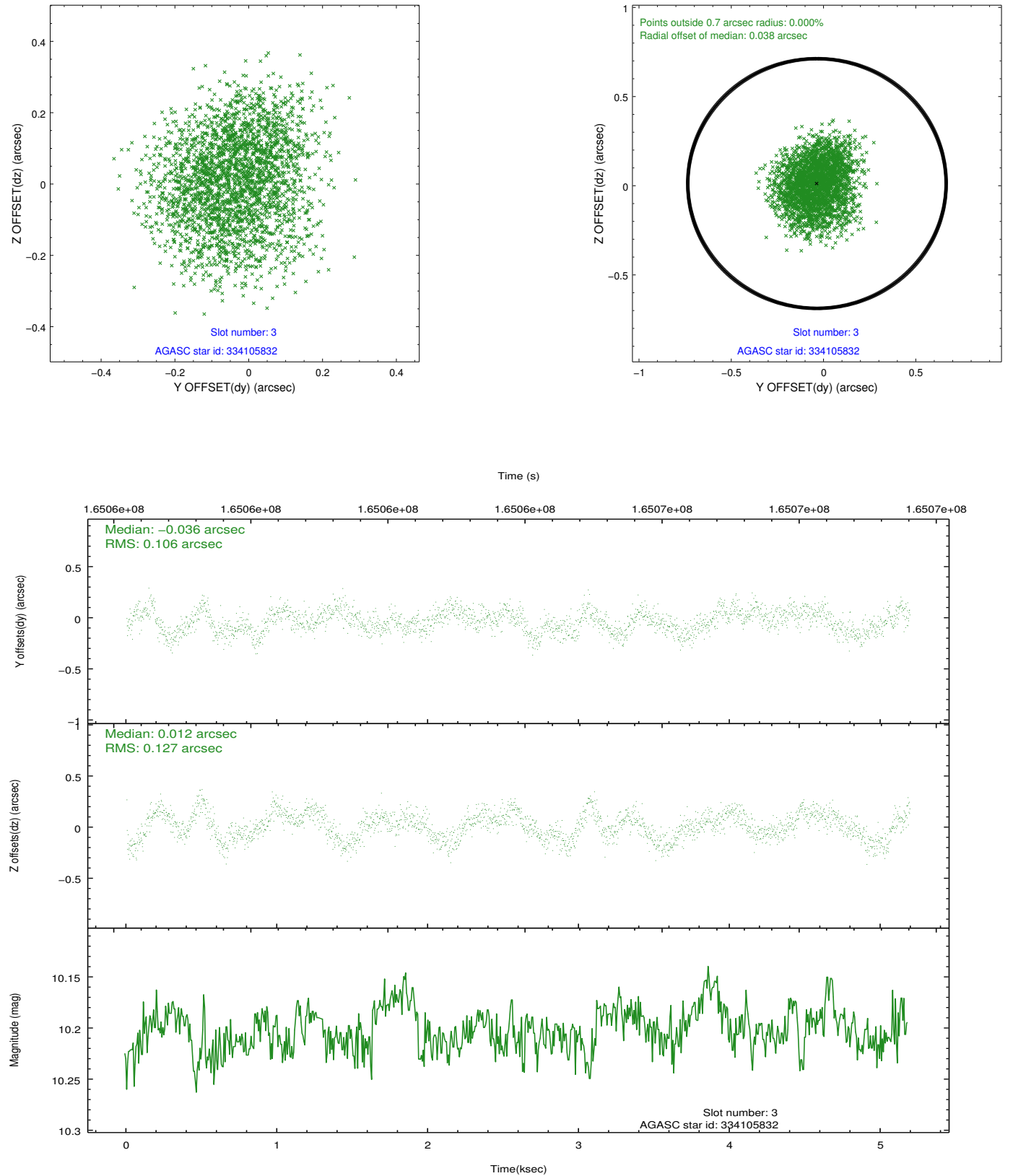


Slot Statistics

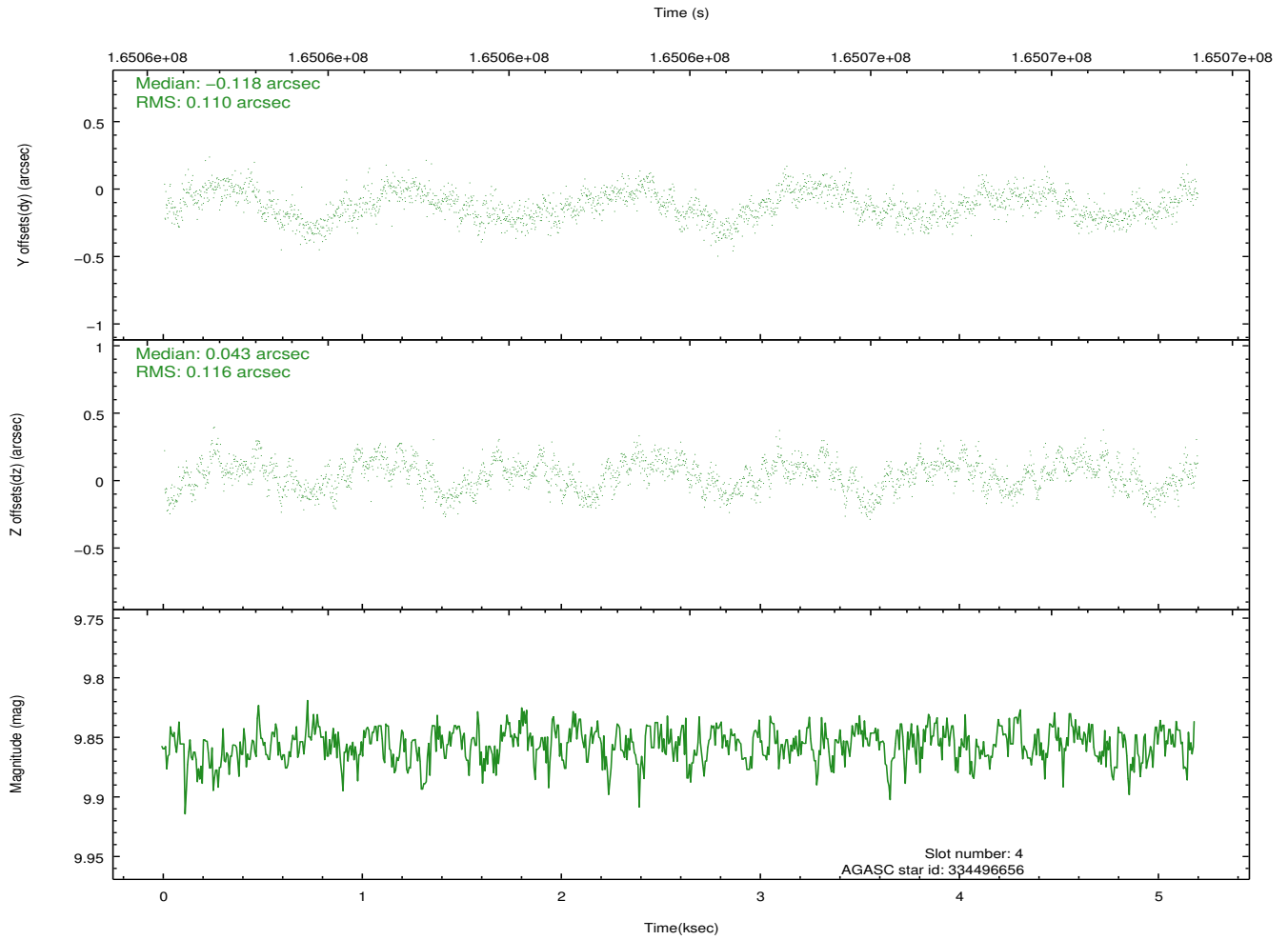
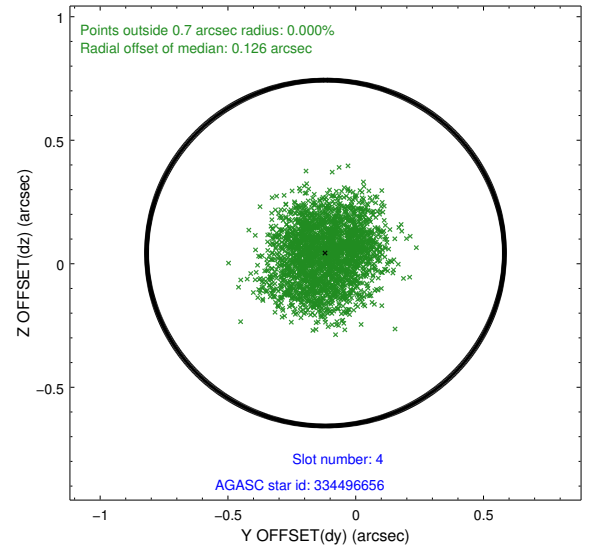
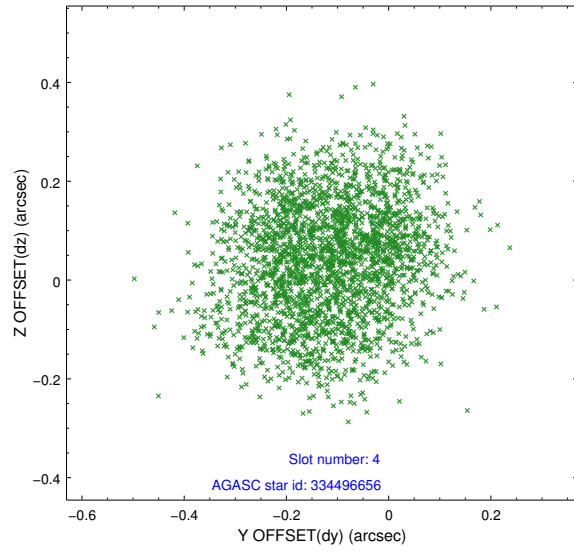
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1267	0.024	0.004	0.006	0.010	0.000000	0.000000	936.52	-830.67
1	FID	ACIS-I-5	7.25	1267	-0.102	0.062	0.006	0.010	0.000000	0.000000	-1811.03	1066.34
2	FID	ACIS-I-6	7.26	1267	-0.013	0.005	0.006	0.011	0.000000	0.000000	400.80	1712.07
3	GUIDE	334105832	10.20	2522	-0.036	0.012	0.181	0.275	215.847735	34.556918	1329.72	700.99
4	GUIDE	334496656	9.86	2531	-0.118	0.043	0.174	0.264	215.929218	35.031287	2216.57	-778.14
5	GUIDE	335021128	9.35	2531	0.160	0.042	0.121	0.193	216.159551	34.422539	307.37	493.97
6	GUIDE	335028336	9.42	2532	-0.059	-0.064	0.434	0.589	217.189840	34.665629	-1498.72	-2121.19
7	GUIDE	335030384	8.83	2530	0.039	-0.060	0.131	0.185	216.806407	34.722197	-494.90	-1555.89

2.4 Star Slots

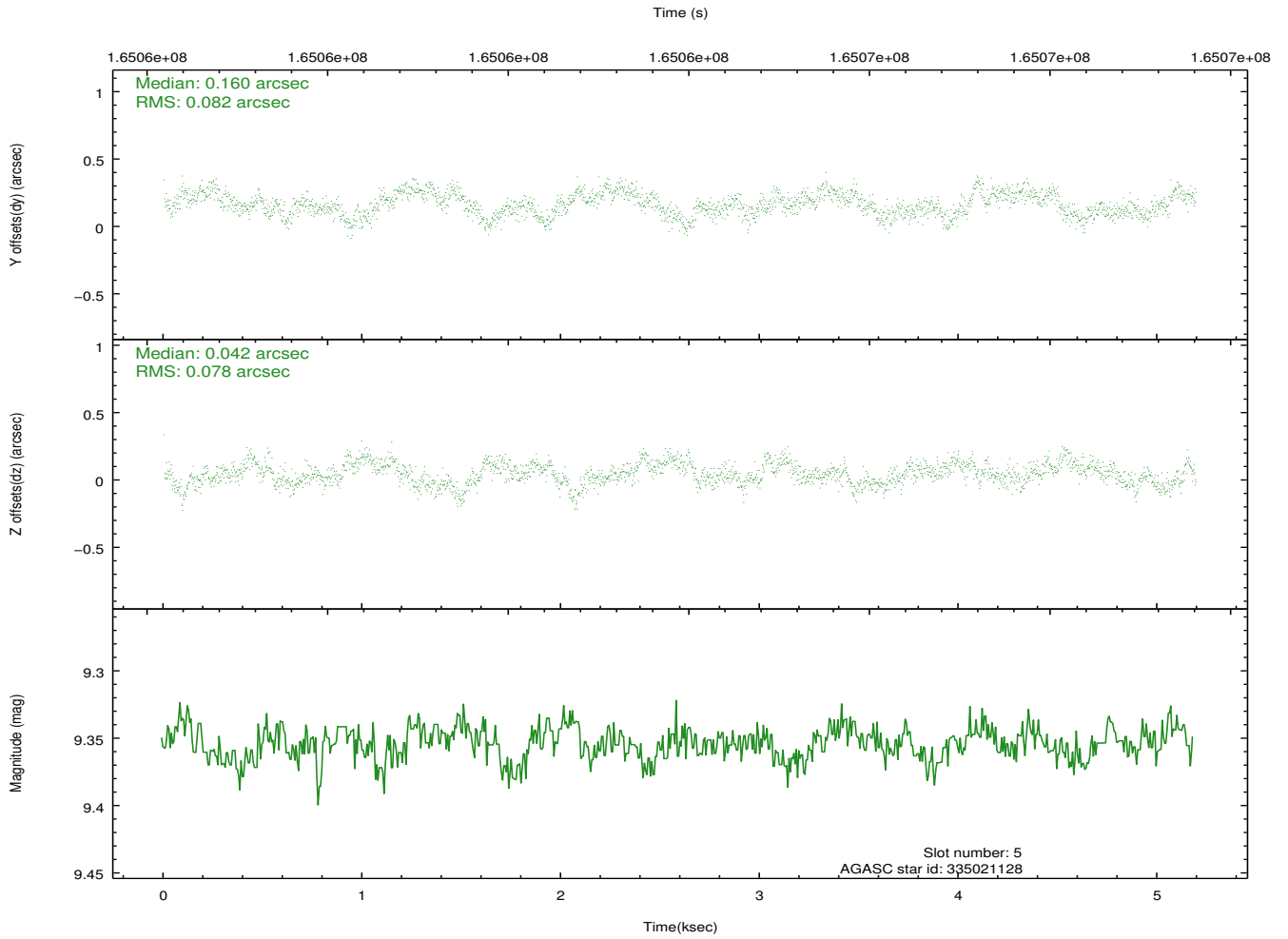
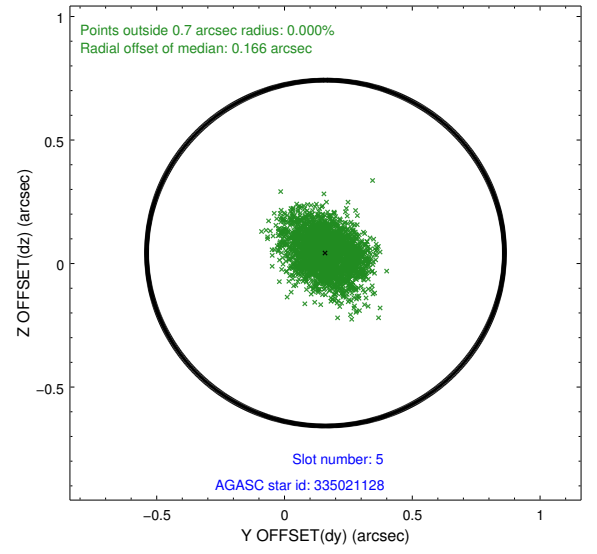
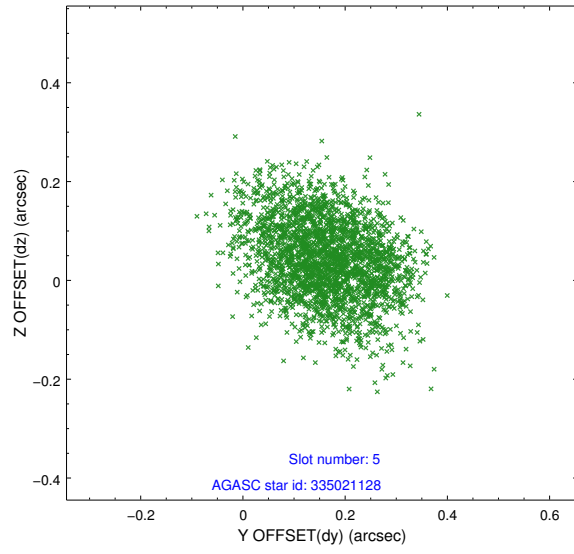
2.4.1 Slot 3



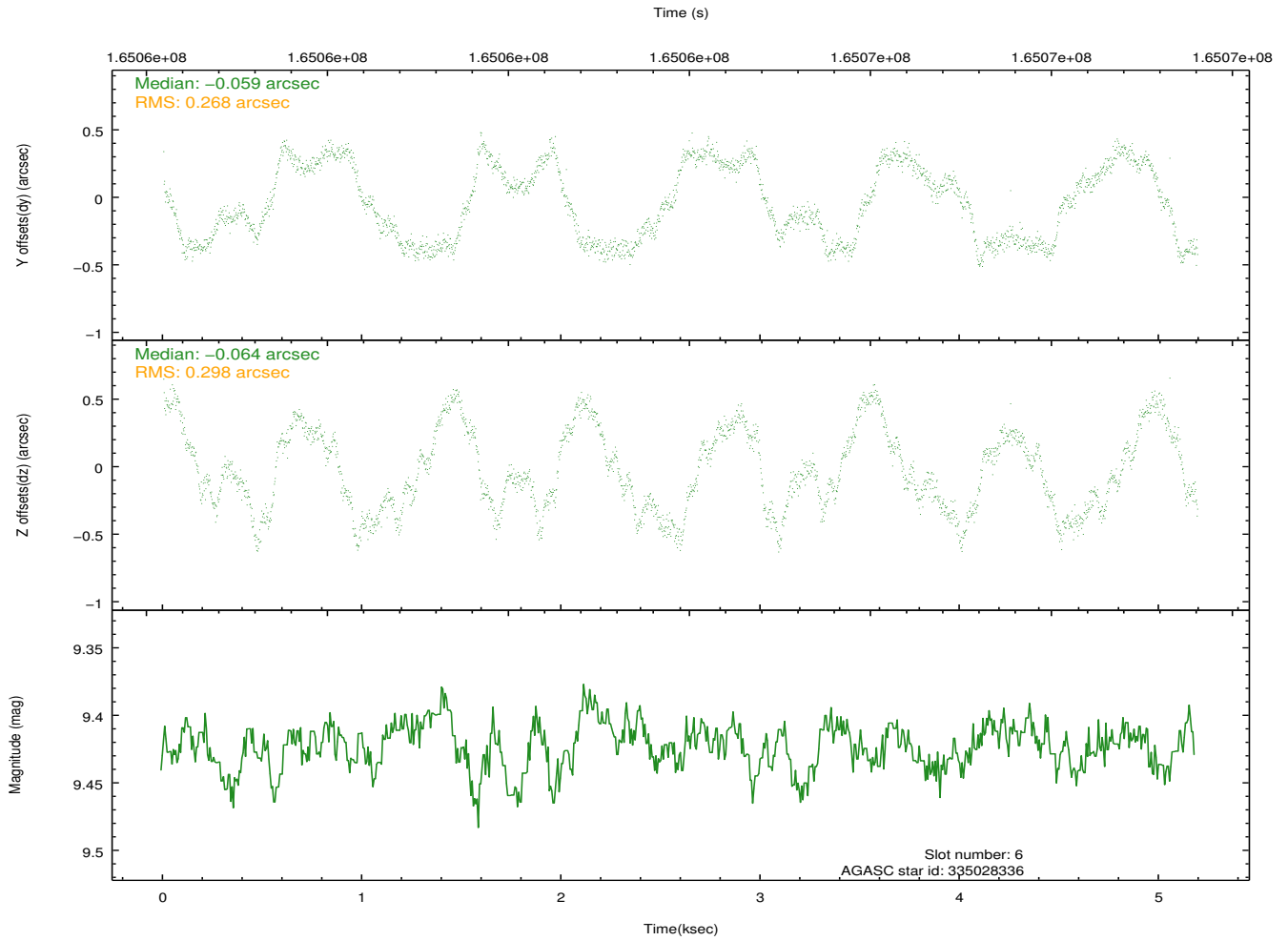
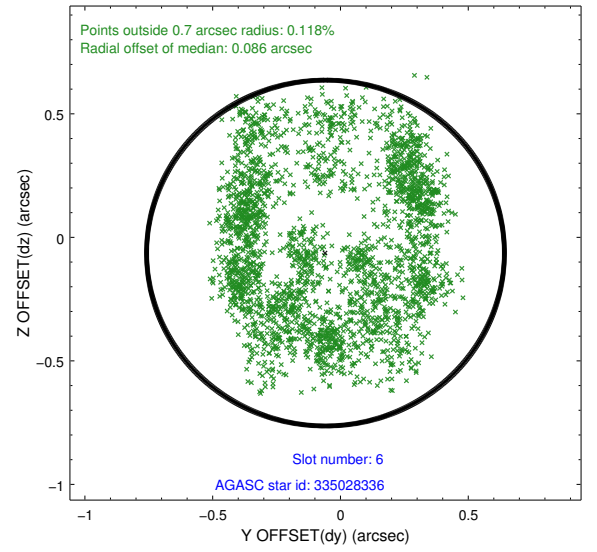
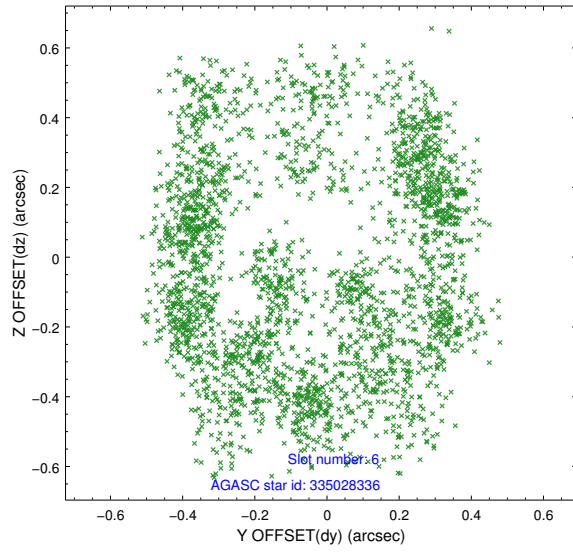
2.4.2 Slot 4



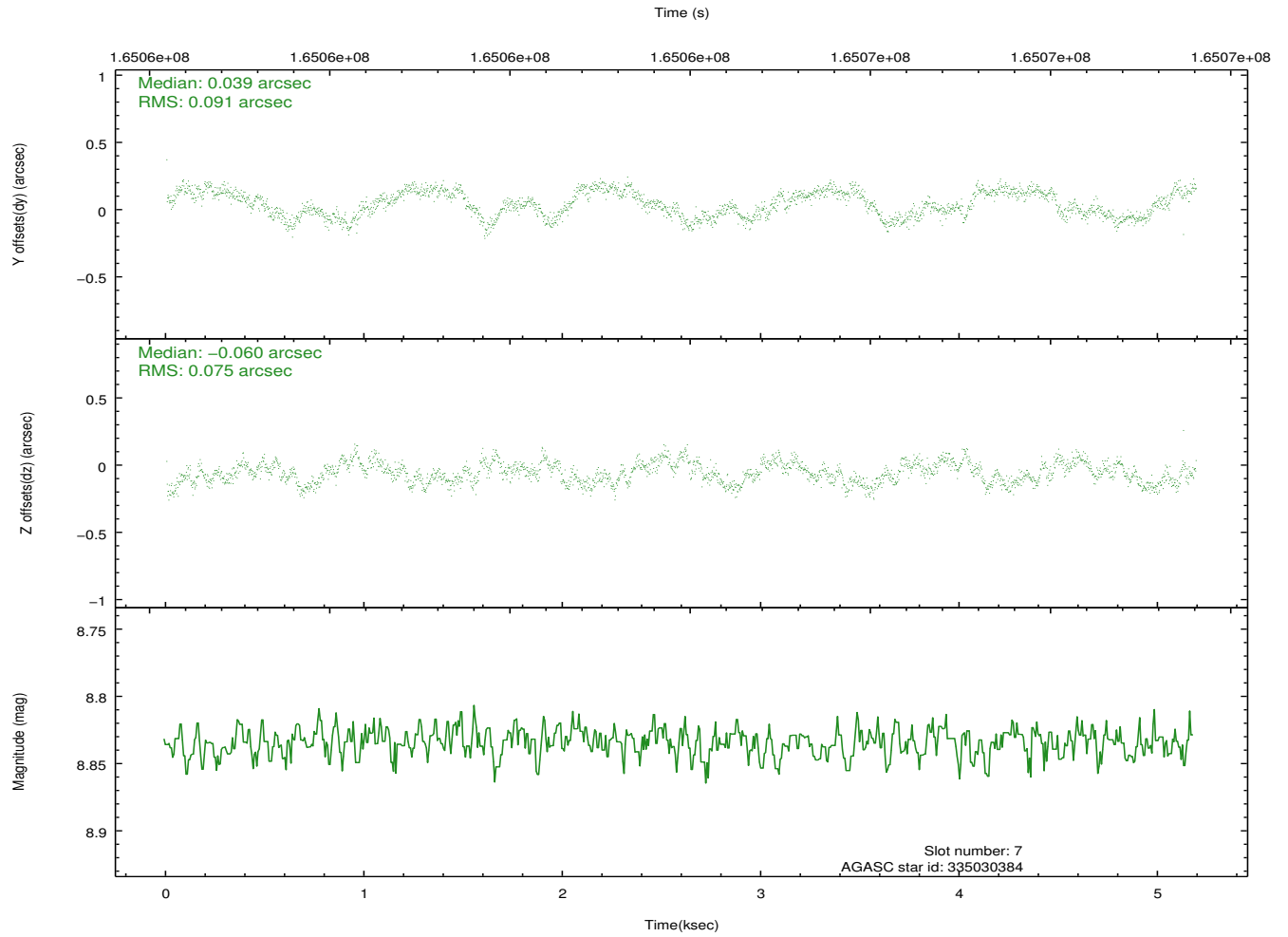
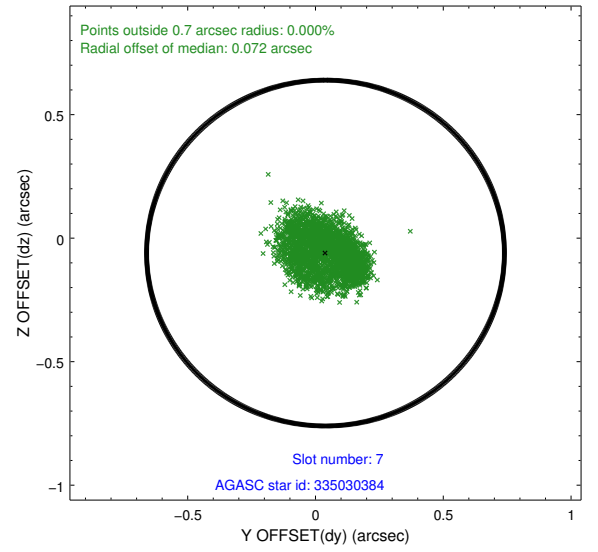
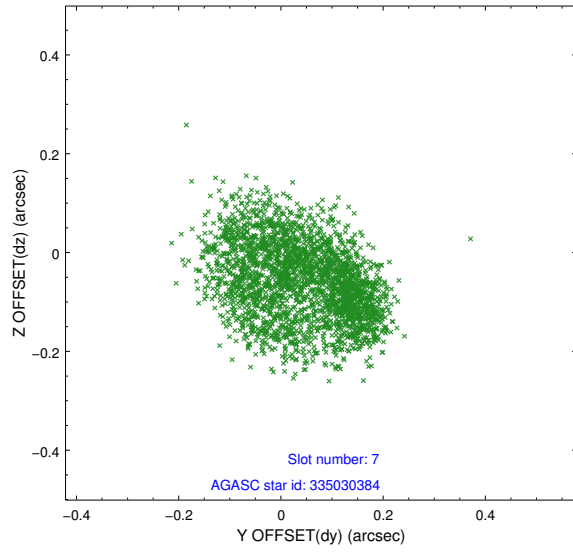
2.4.3 Slot 5



2.4.4 Slot 6

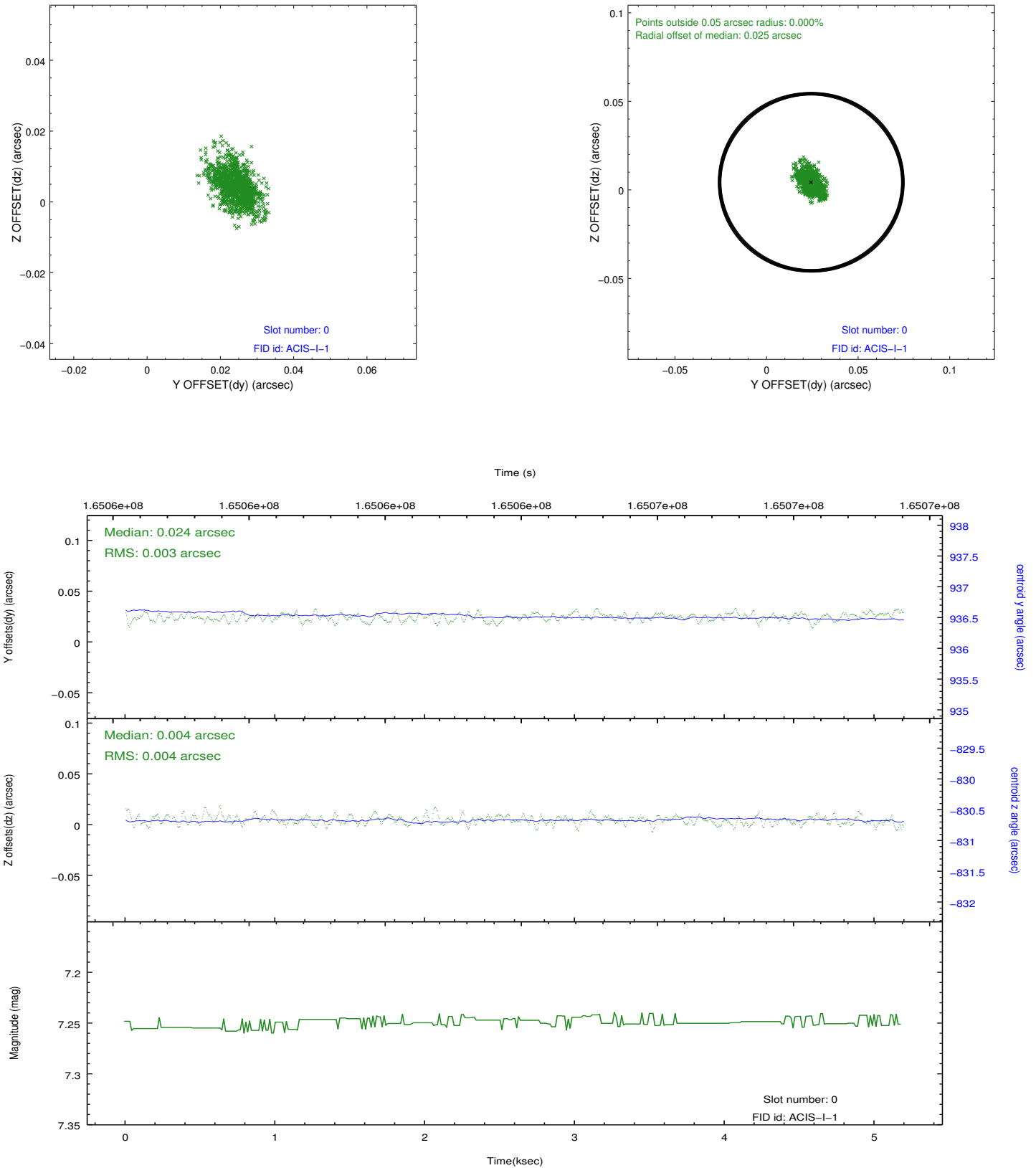


2.4.5 Slot 7

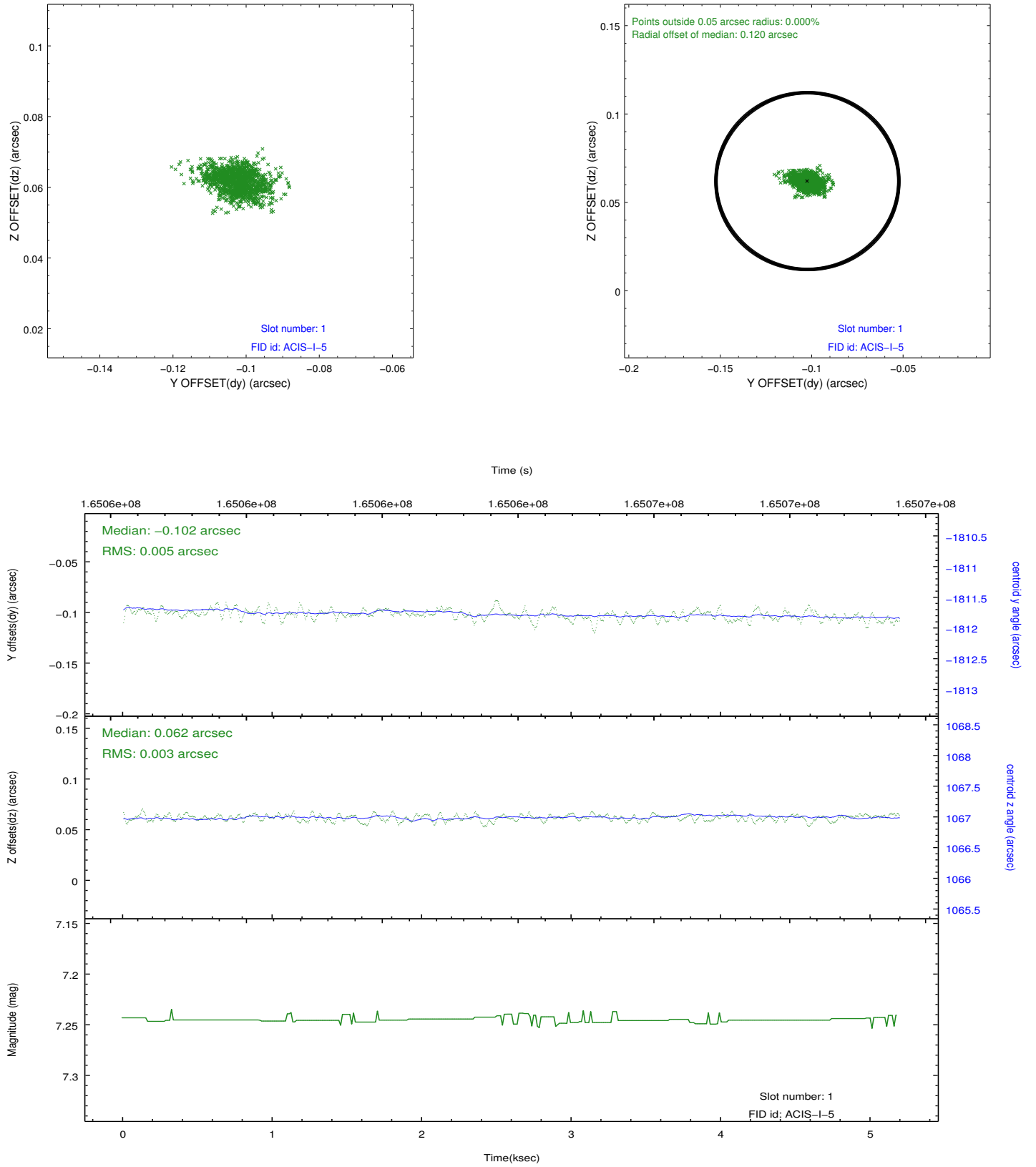


2.5 FID Slots

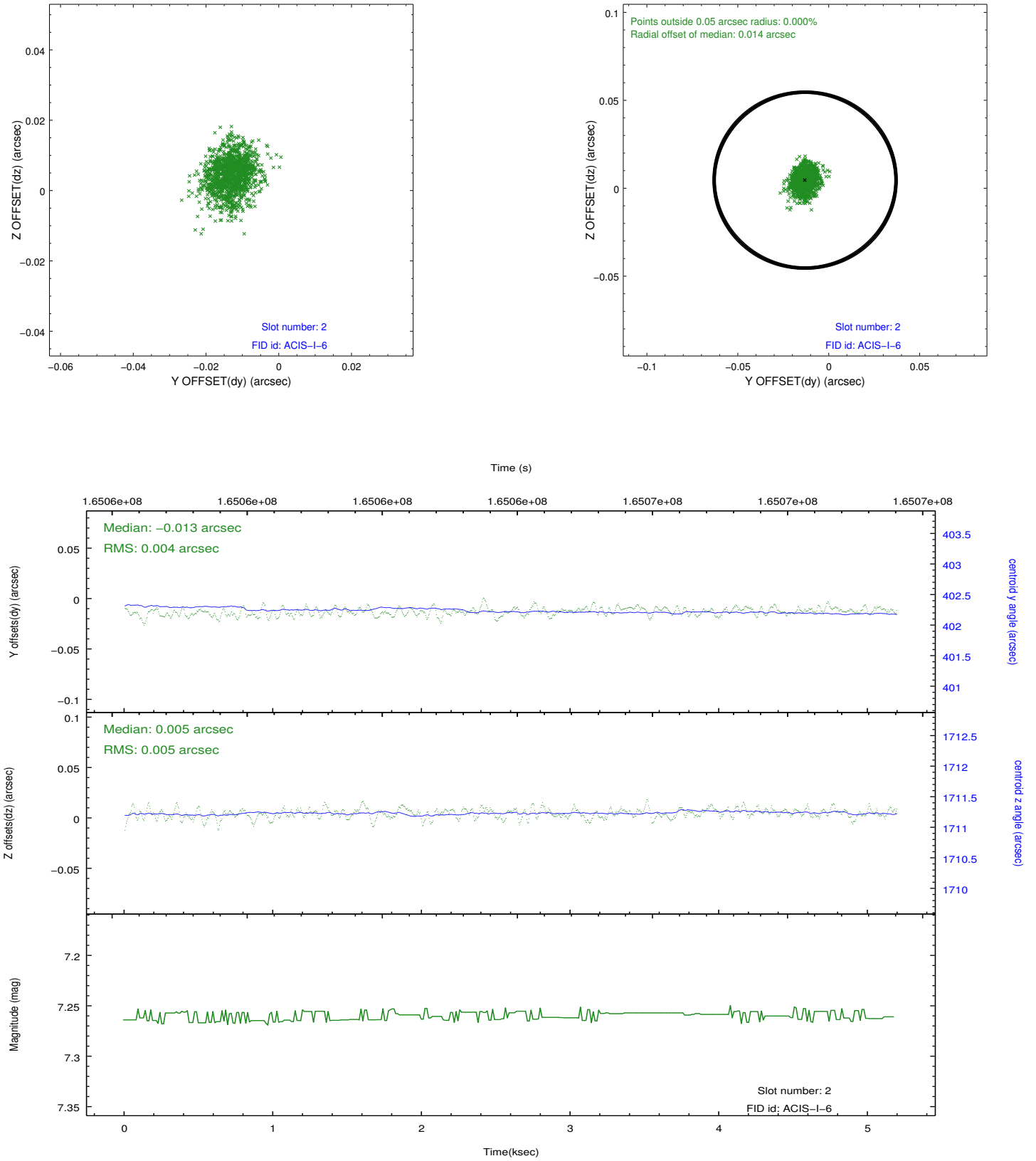
2.5.1 Slot 0



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	4.777

A.2 Comments