

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7378 - L2 Version 2
Chandra X-Ray Center

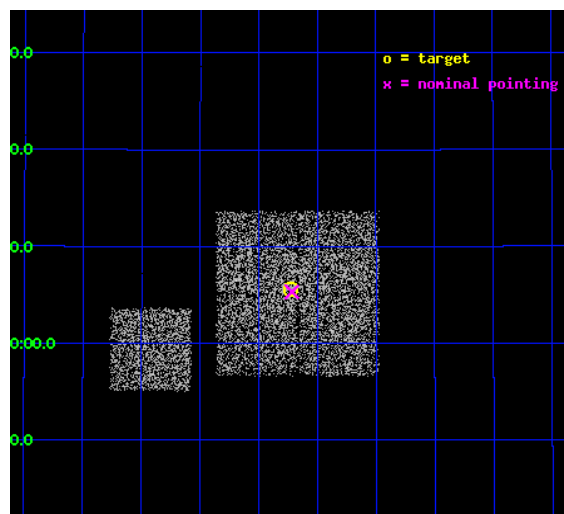
L2 Processing Date : Apr 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

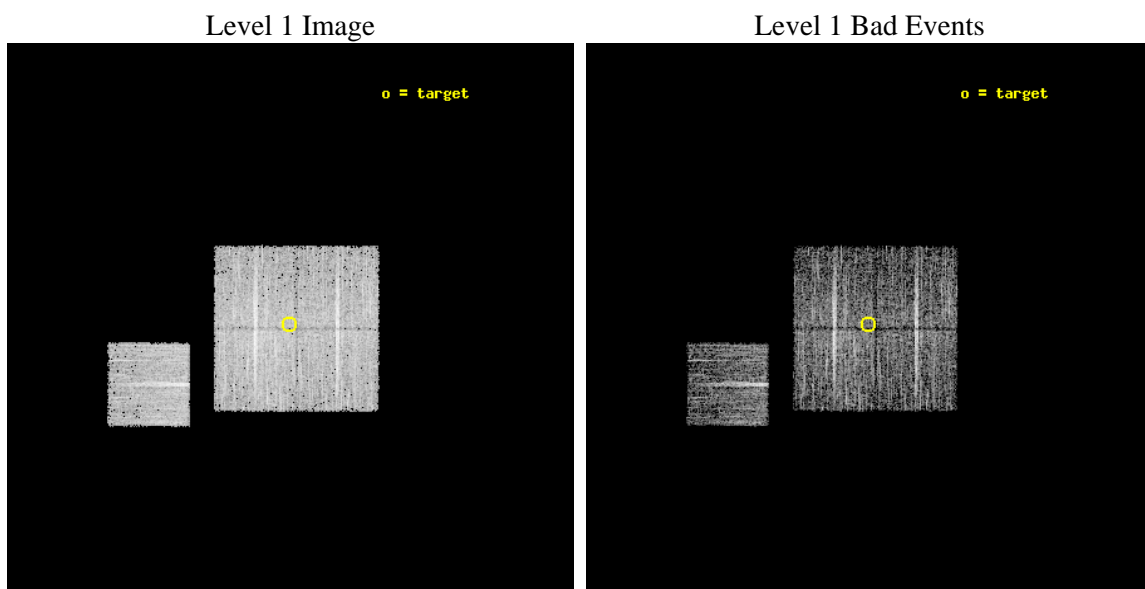
seq_num	900475	Sequence number
obs_id	7378	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr Stephen Murray	Principal investigator
object	Bootes2 15	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.80655	Observer's specified target RA [deg]
dec_targ	35.092986	Observer's specified target Dec [deg]
ra_nom	217.8043439808	Nominal RA [deg]
dec_nom	35.088751087453	Nominal Dec [deg]
roll_nom	270.20995174018	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4476.311447978	Sum of GTIs [s]
livetime	4417.8251434976	Livetime [s]
ontime0	4473.0473377109	Sum of GTIs [s]
ontime1	4476.2293381095	Sum of GTIs [s]
ontime2	4476.2704079747	Sum of GTIs [s]
ontime3	4476.311447978	Sum of GTIs [s]
ontime6	4476.1472581029	Sum of GTIs [s]
l2events	12926	Number of level 2 events



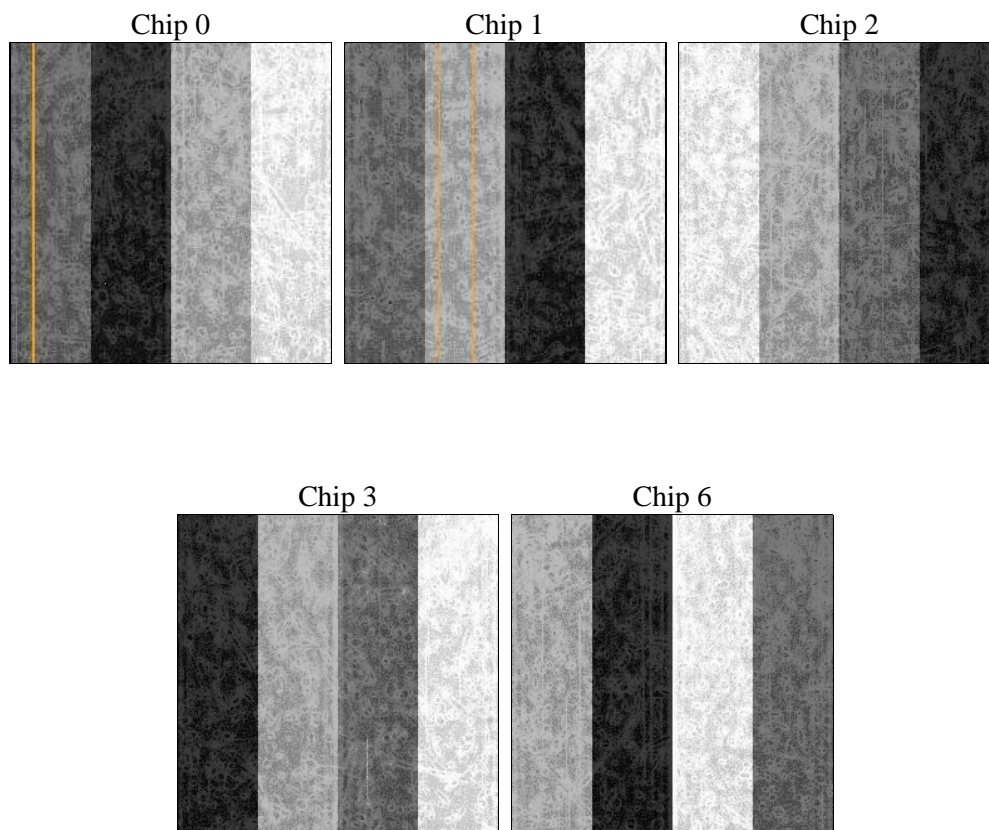
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4476.311447978	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4473.0473377109	Sum of GTIs [s]
date	2012-04-07T10:15:18	Date and time of file creation	ontime1	4476.2293381095	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4476.2704079747	Sum of GTIs [s]
			ontime3	4476.311447978	Sum of GTIs [s]
			ontime6	4476.1472581029	Sum of GTIs [s]
			l1events	157012	Number of level 1 events

2.1.4 Events

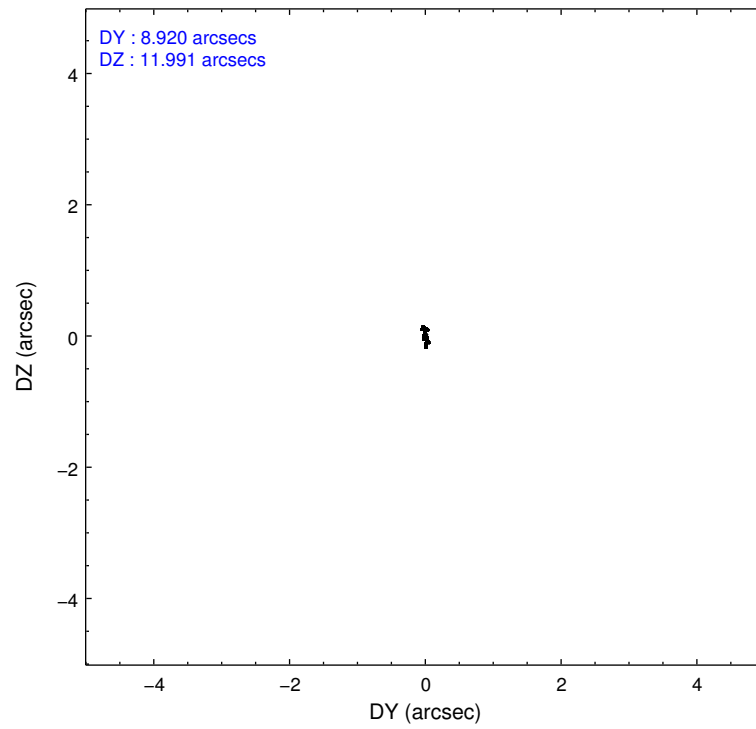
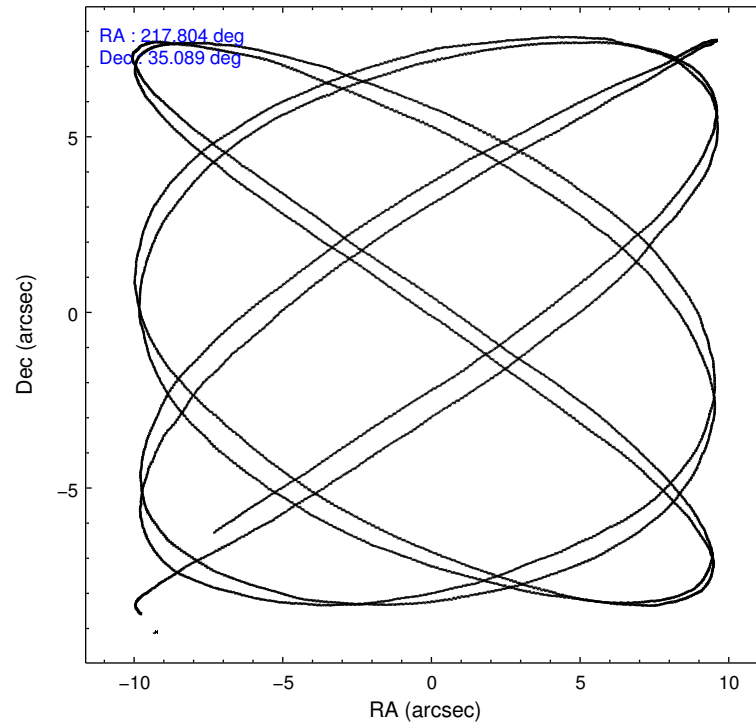
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	30415	29639	35548	30302	31108
rejected events	27255	26397	32469	27239	28013
rejected %	89%	89%	91%	89%	90%

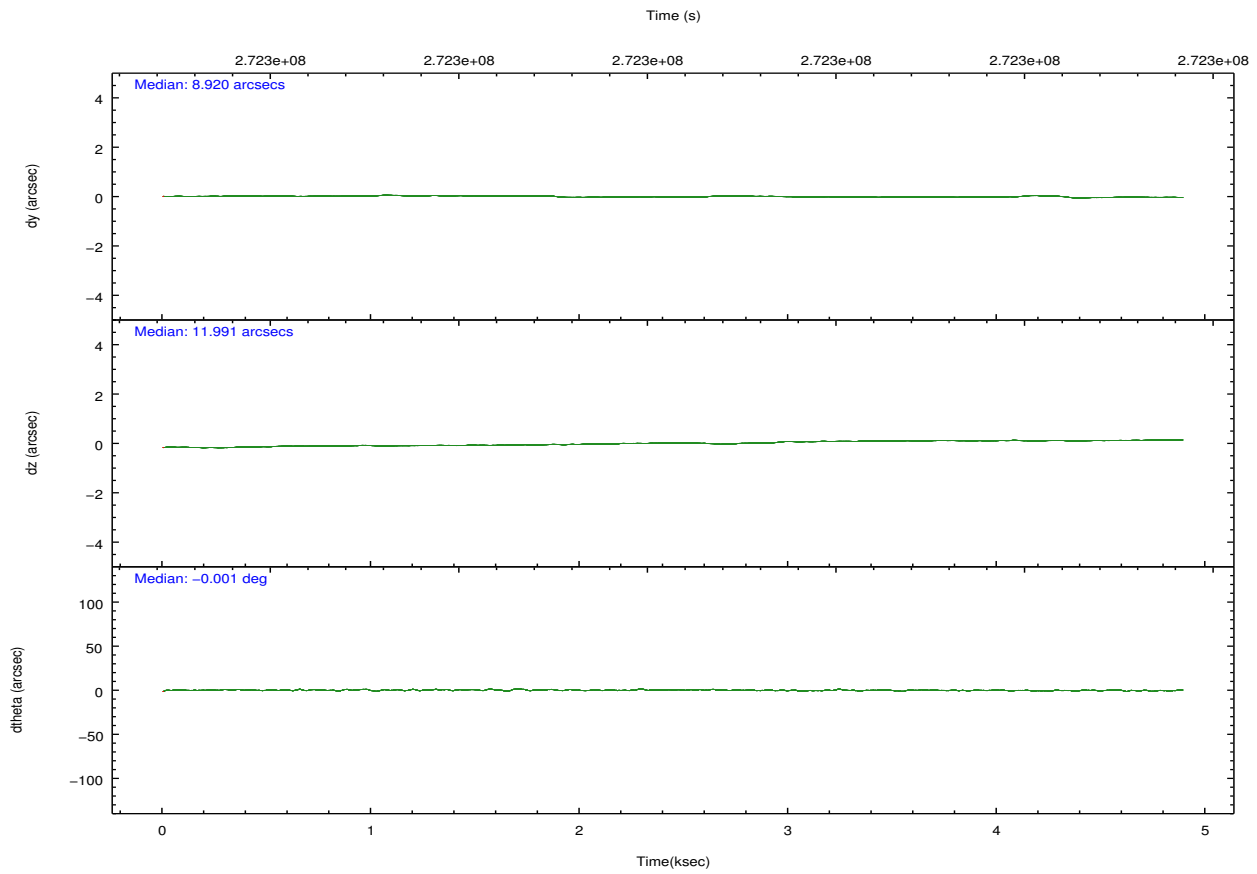
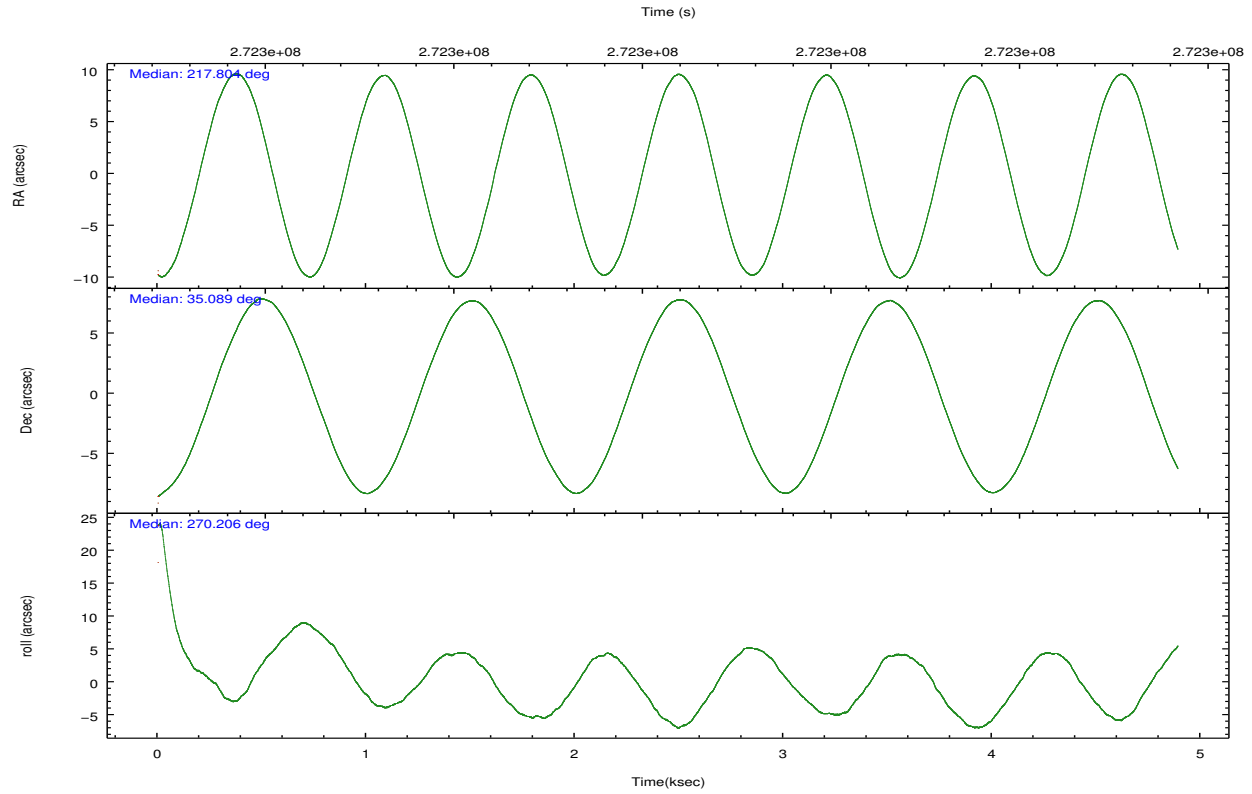
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1158	1155	1084	1251	1099
	3%	3%	3%	4%	3%
grade 1 events	14	22	19	15	14
	0%	0%	0%	0%	0%
grade 2 events	743	722	772	616	689
	2%	2%	2%	2%	2%
grade 3 events	381	353	329	342	350
	1%	1%	0%	1%	1%
grade 4 events	321	391	352	313	341
	1%	1%	0%	1%	1%
grade 5 events	835	1007	832	1064	1051
	2%	3%	2%	3%	3%
grade 6 events	562	625	548	548	619
	1%	2%	1%	1%	1%
grade 7 events	26401	25364	31612	26153	26945
	86%	85%	88%	86%	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	217.787350	217.8043439807994	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.112339	35.0887510874525	Alternating exposures requested	N	N
[deg] Pointing Roll	270.011012	270.2099517401753	[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)	272294884.184000	272294508.11569			
Observation start date	2006-08-18T13:26:59	2006-08-18T13:21:48			
[s] Observation end time (MET)	272299584.184000	272299718.19094			
Observation end date	2006-08-18T14:45:19	2006-08-18T14:48:38			
Read mode	TIMED	TIMED			

2.3 Aspect



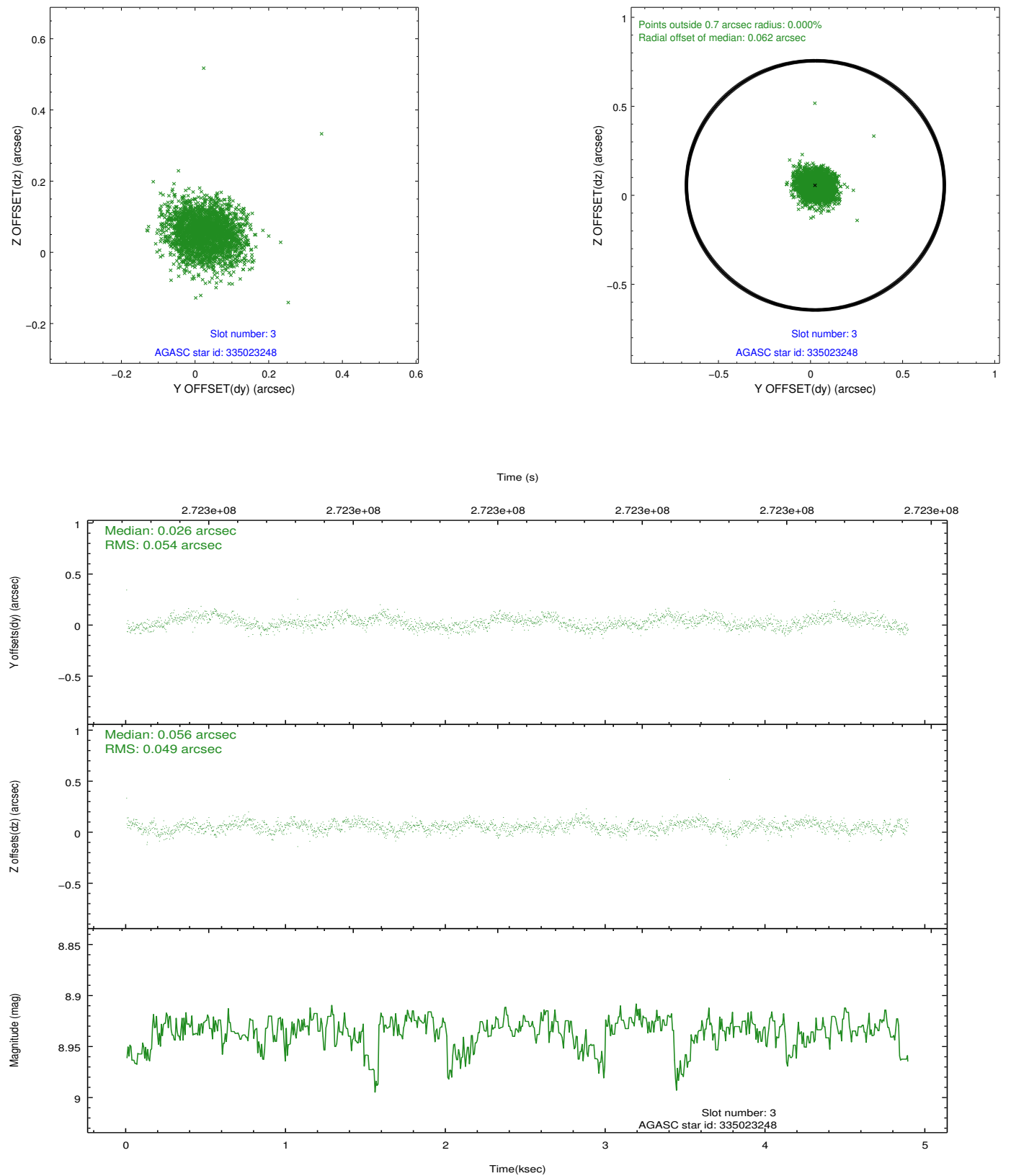


Slot Statistics

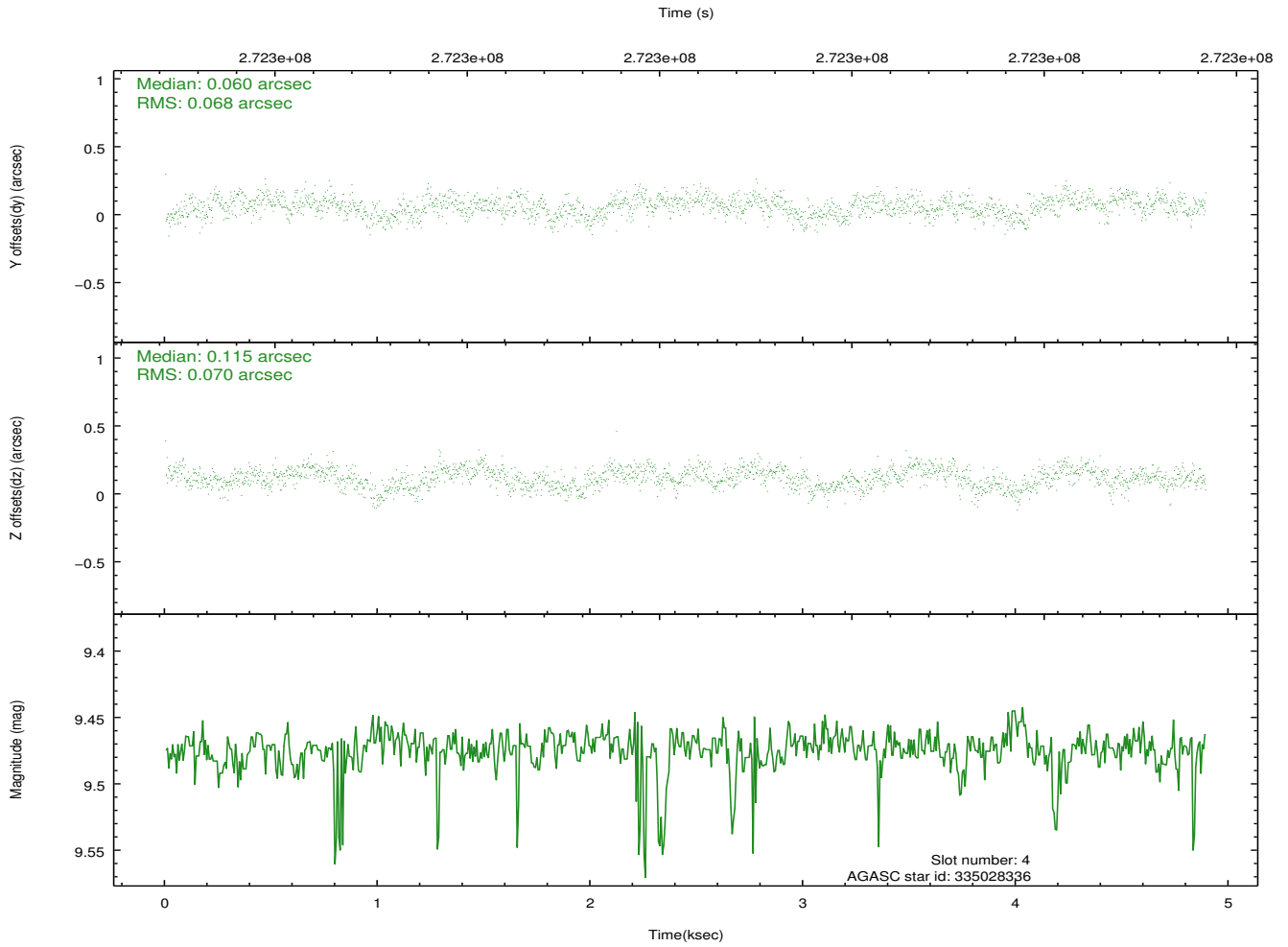
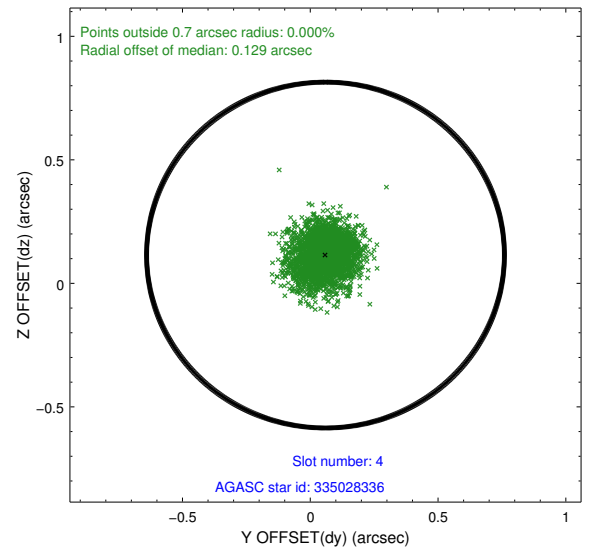
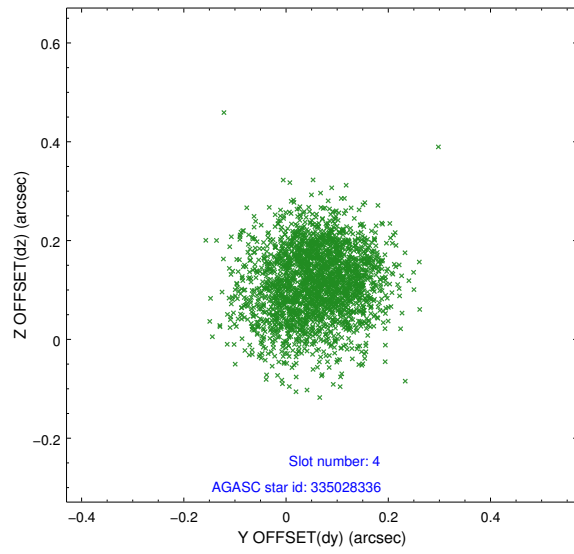
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1193	0.065	-0.057	0.007	0.011	0.000000	0.000000	930.76	-835.58
1	FID	ACIS-I-5	7.23	1193	-0.208	0.063	0.006	0.010	0.000000	0.000000	-1816.90	1061.45
2	FID	ACIS-I-6	7.24	1193	0.051	0.064	0.007	0.012	0.000000	0.000000	394.98	1707.33
3	GUIDE	335023248	8.93	2383	0.026	0.056	0.076	0.120	217.634832	34.944512	604.33	-449.97
4	GUIDE	335028336	9.47	2374	0.060	0.115	0.104	0.168	217.189840	34.665629	1603.52	-1769.38
5	GUIDE	335414448	7.36	2386	-0.186	-0.041	0.063	0.101	216.992261	35.577204	-1681.60	-2328.10
6	GUIDE	335417968	9.37	2385	0.107	-0.160	0.145	0.218	217.358149	35.055285	202.44	-1265.88
7	GUIDE	335422272	9.48	2383	-0.000	0.044	0.089	0.143	217.586135	35.522660	-1477.49	-589.63

2.4 Star Slots

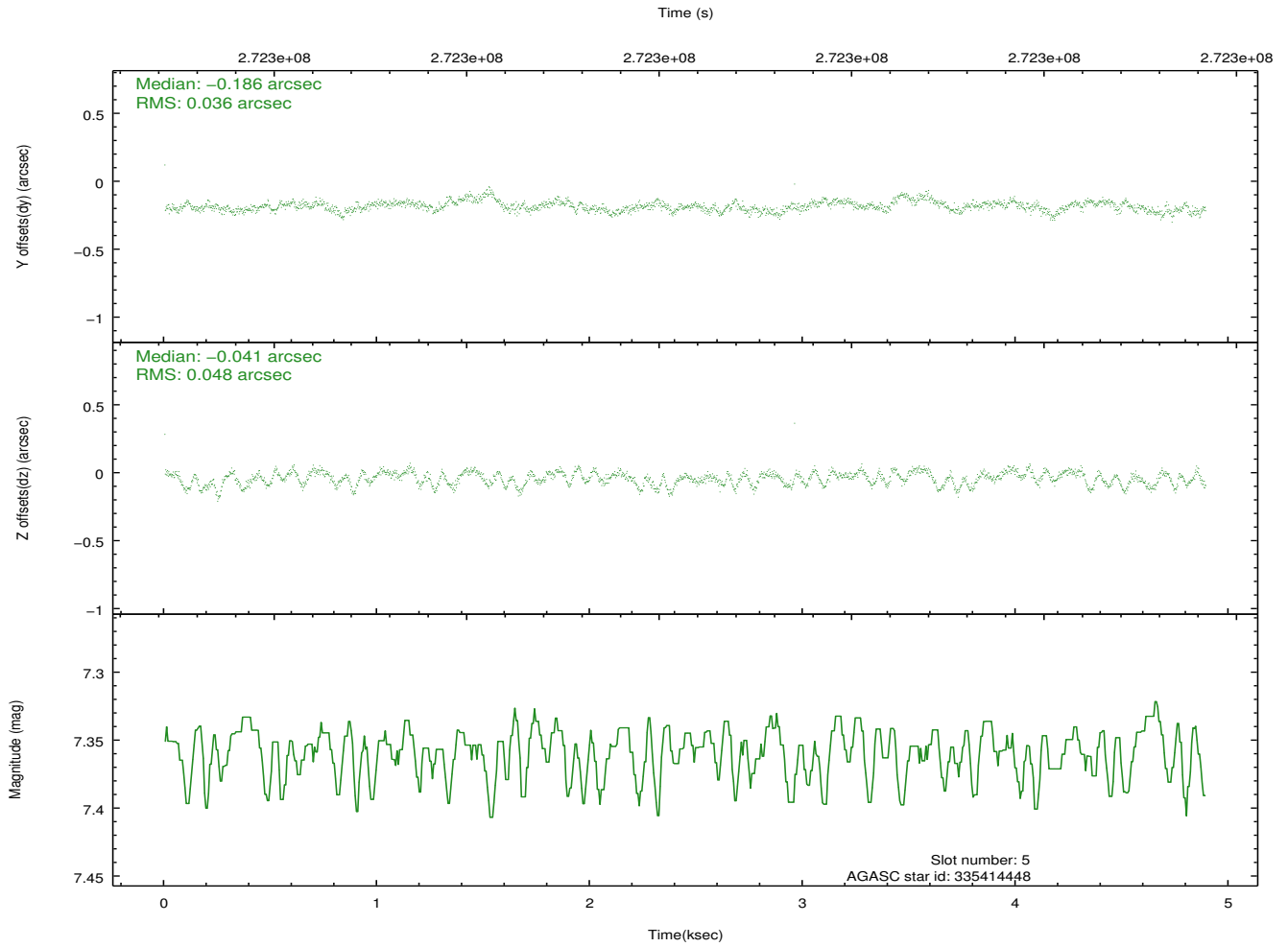
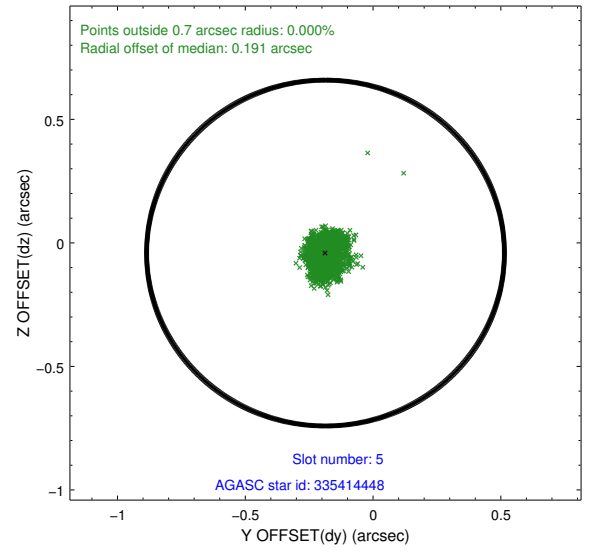
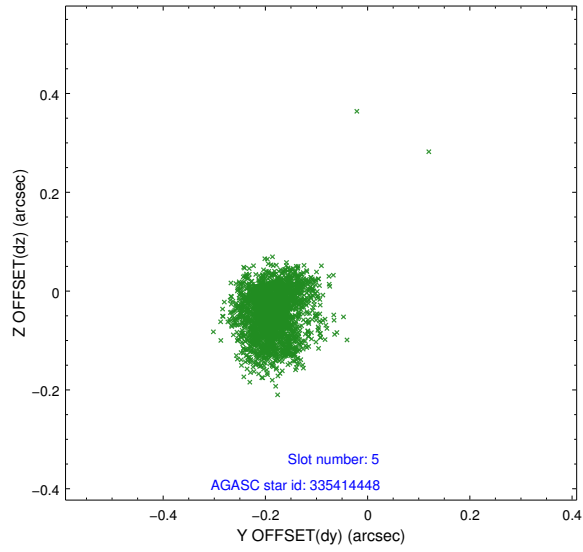
2.4.1 Slot 3



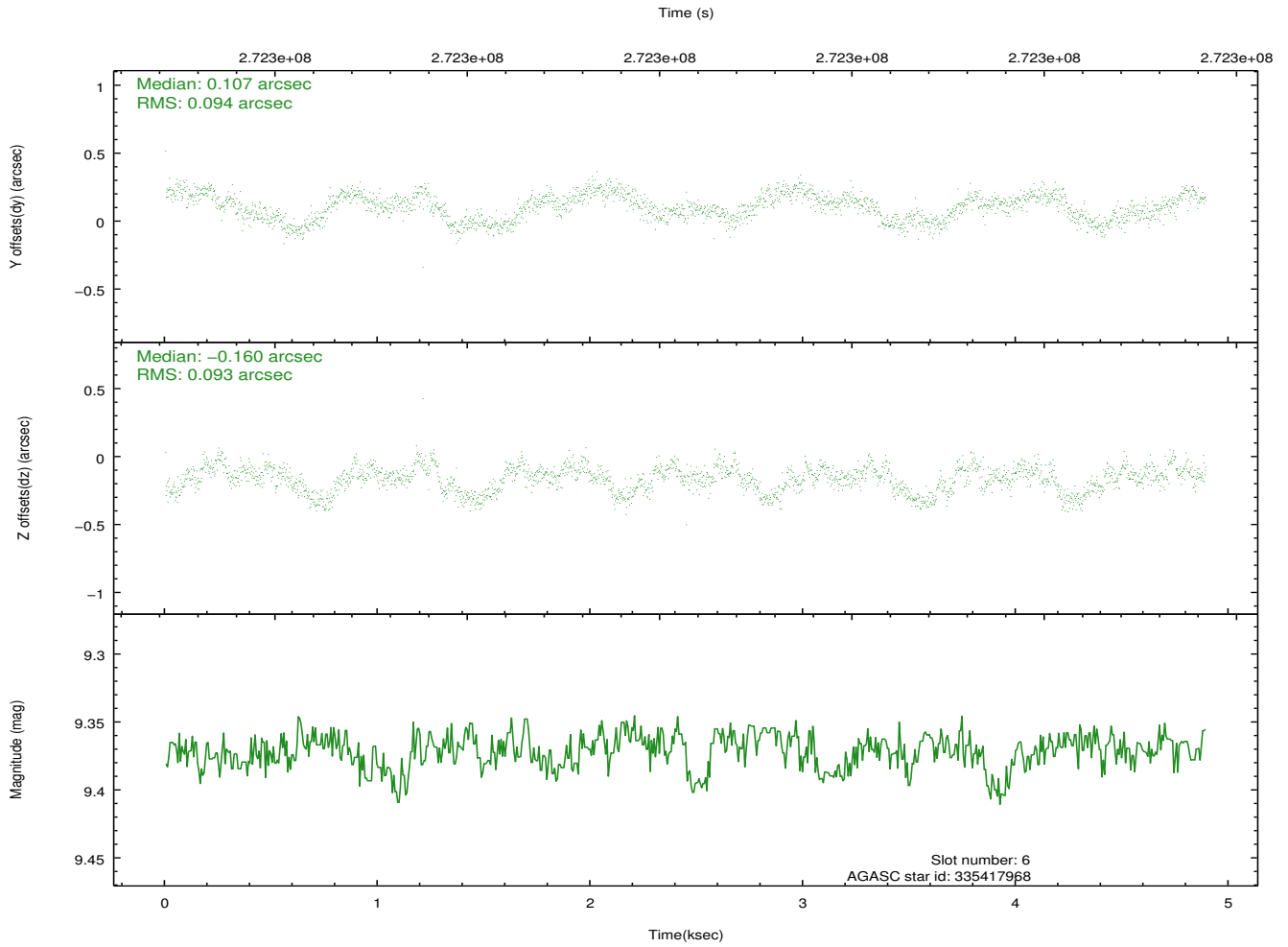
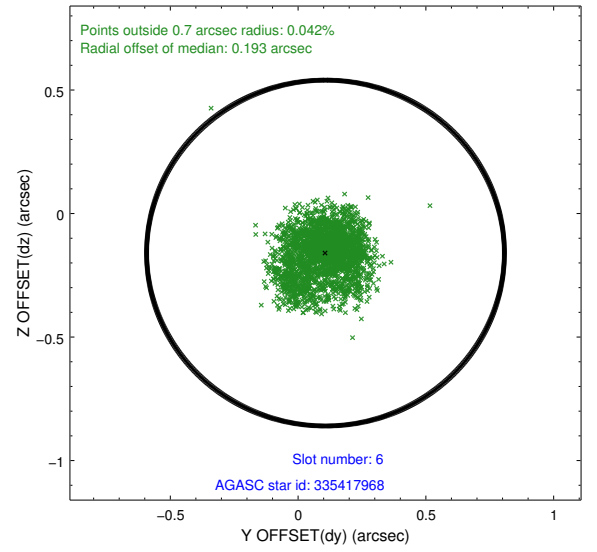
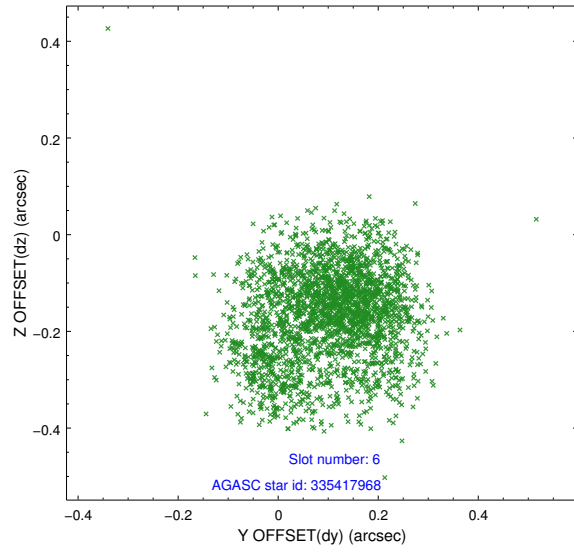
2.4.2 Slot 4



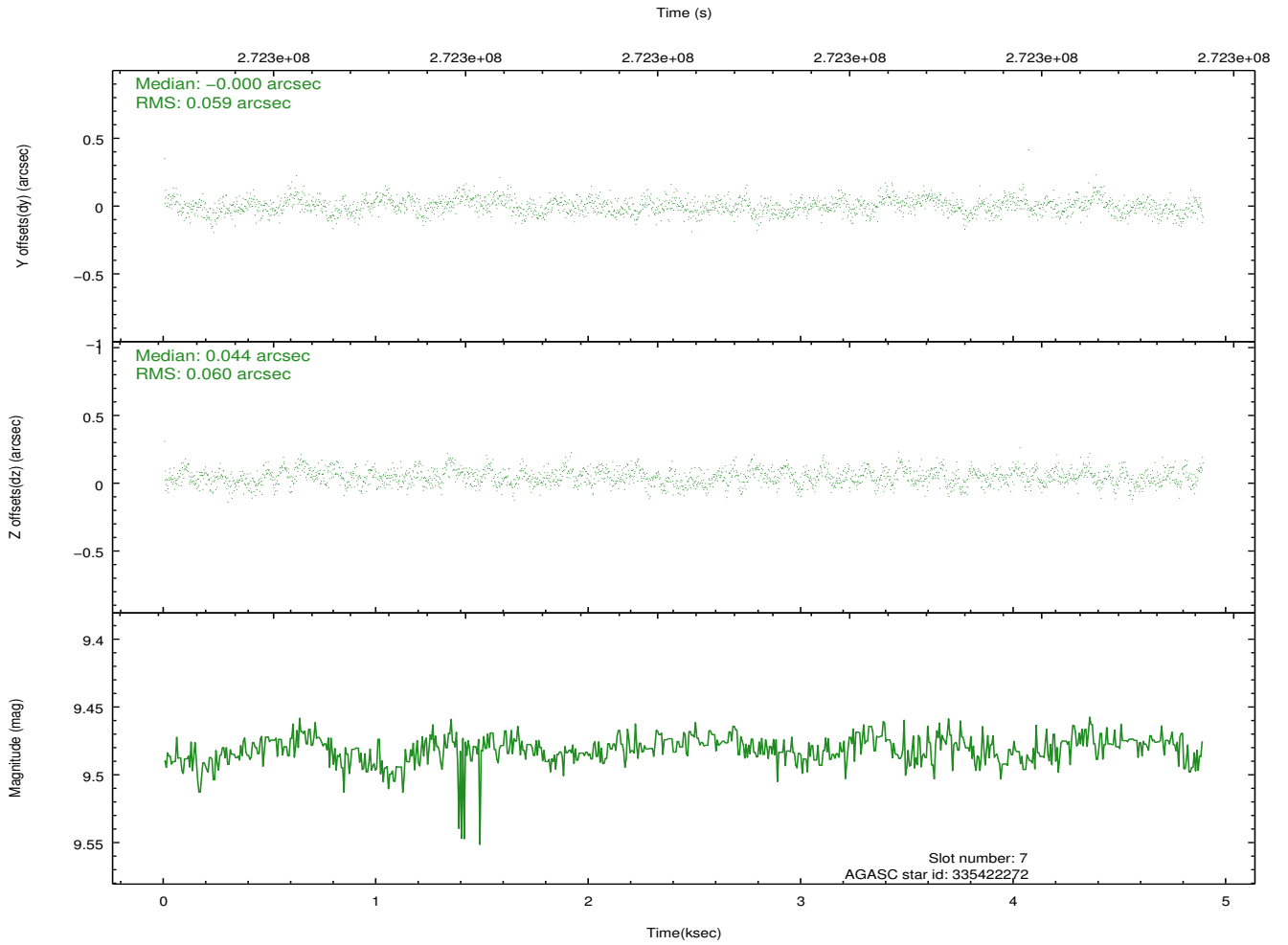
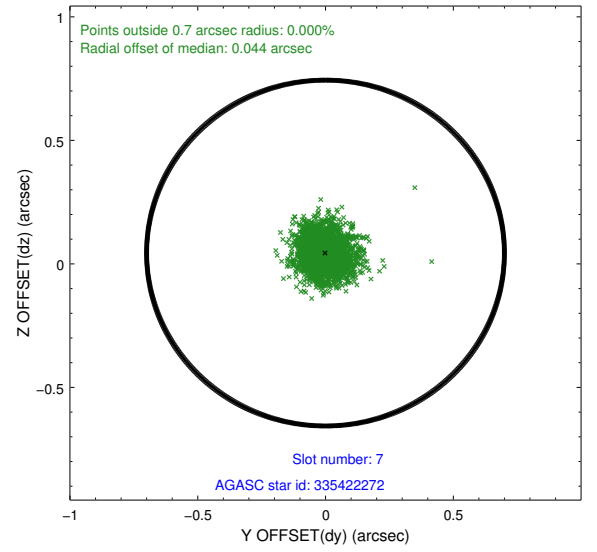
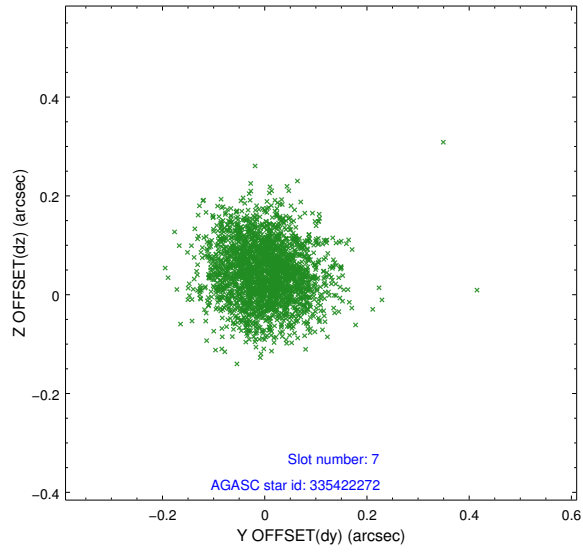
2.4.3 Slot 5



2.4.4 Slot 6

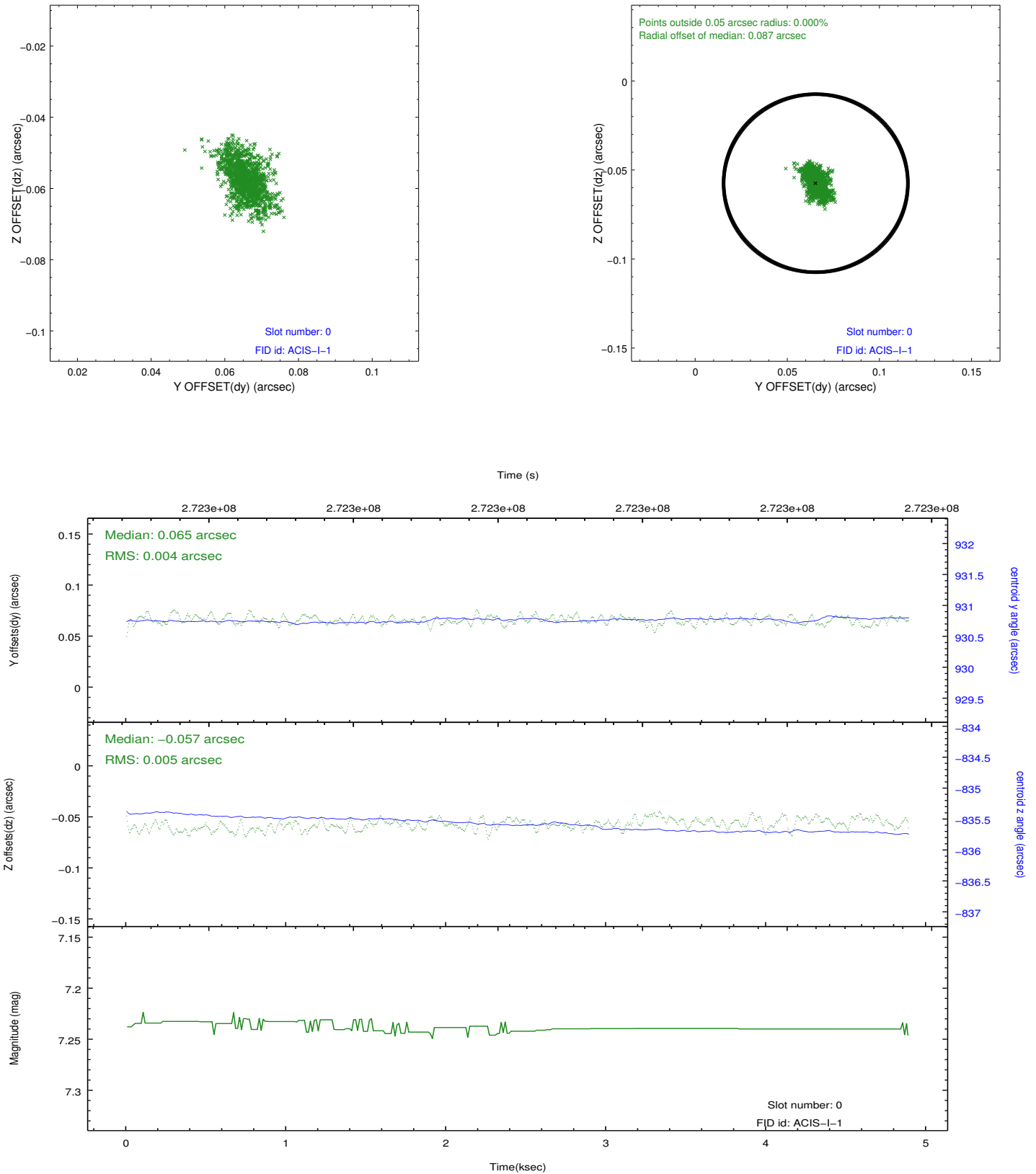


2.4.5 Slot 7

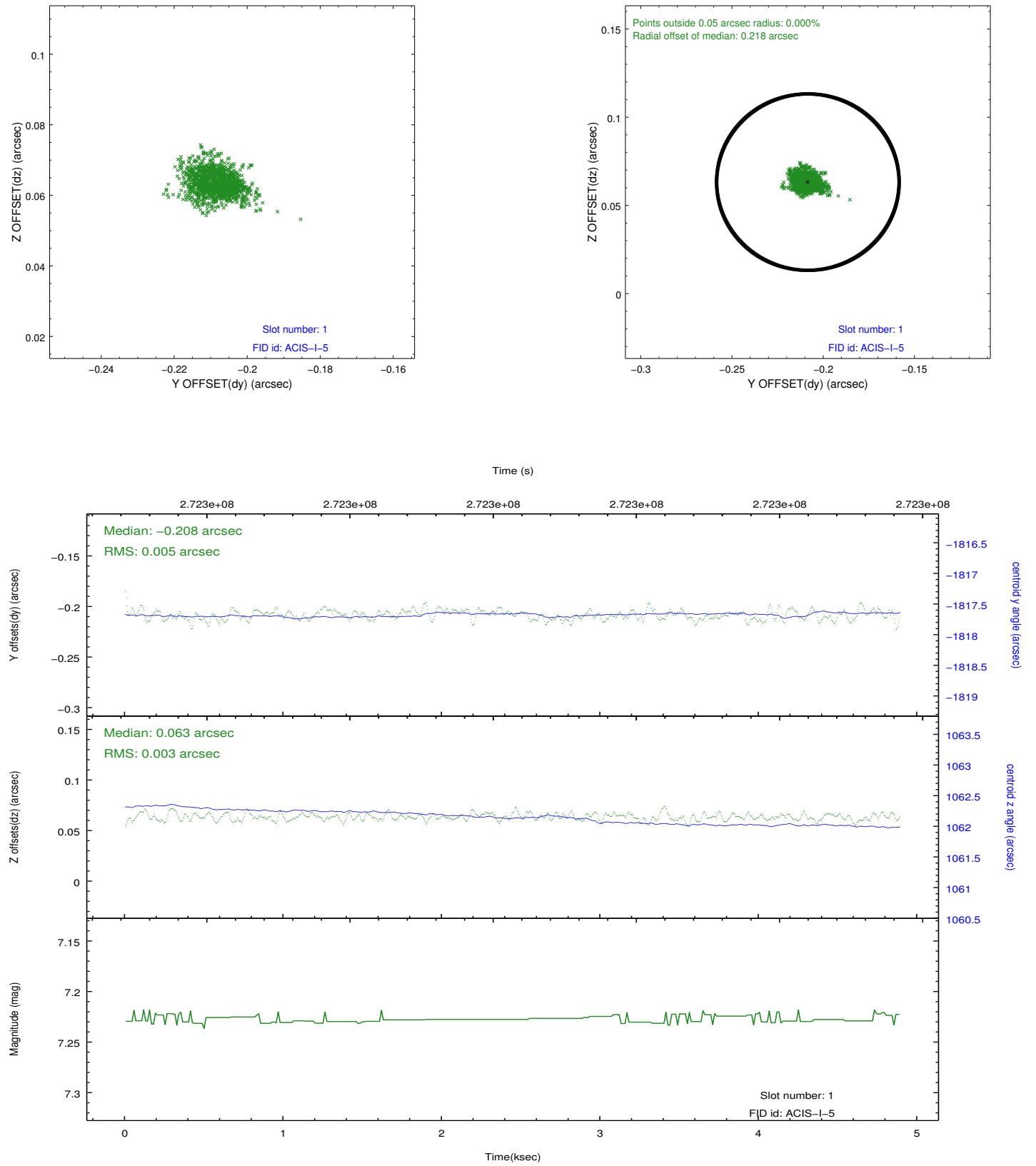


2.5 FID Slots

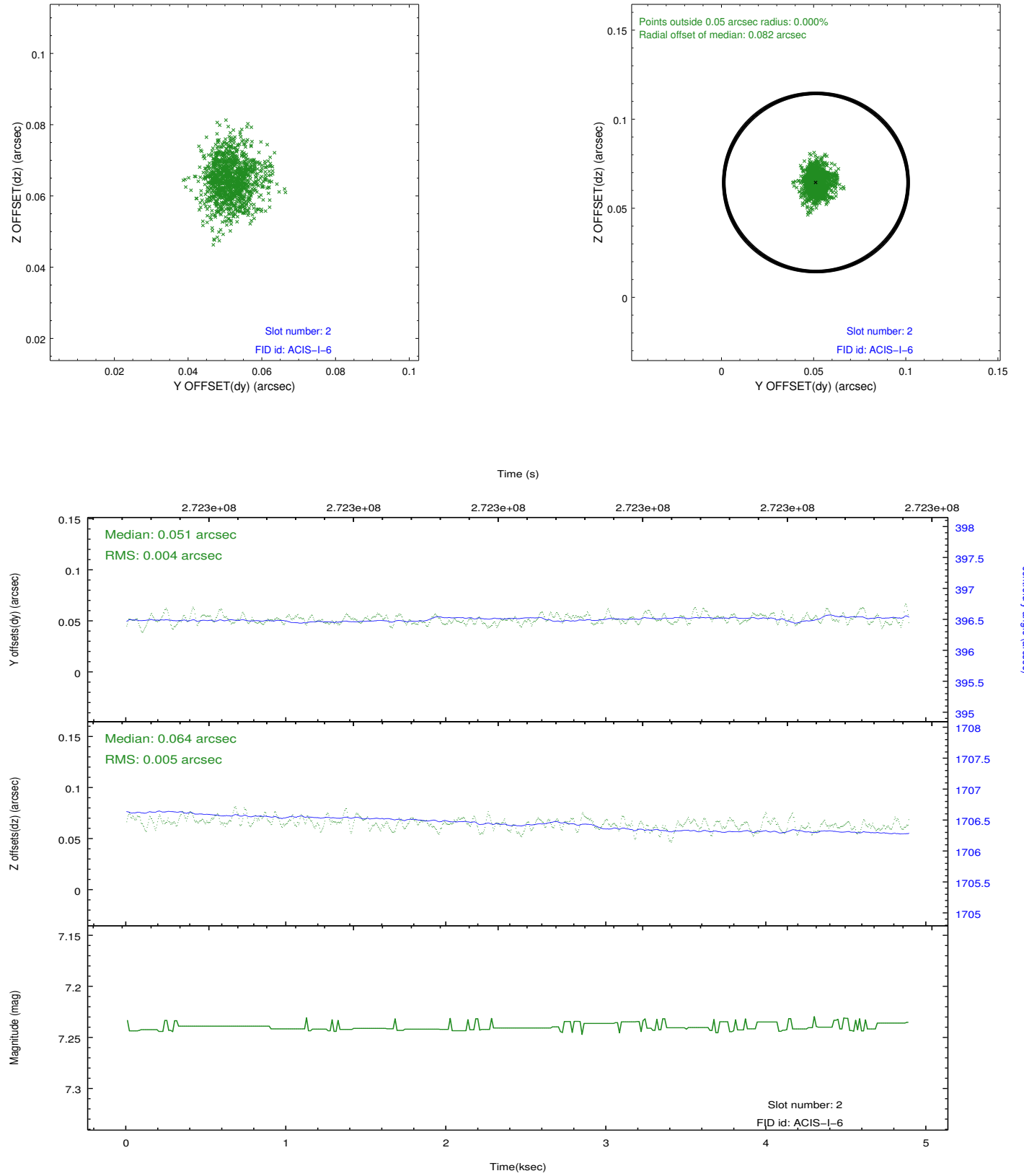
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.47640003

A.2 Comments