

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2542 - L2 Version 3
Chandra X-Ray Center

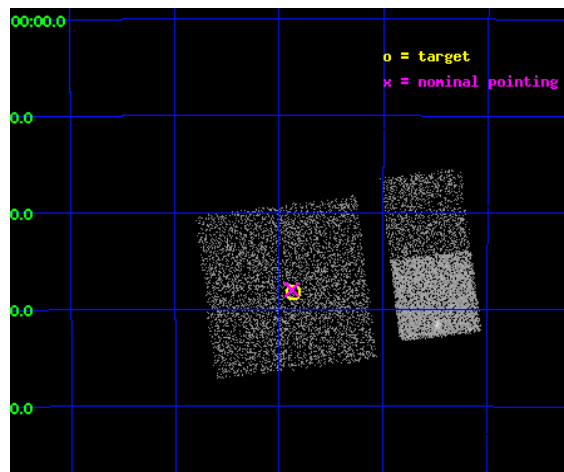
L2 Processing Date : Sep 30 2012

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1 Front

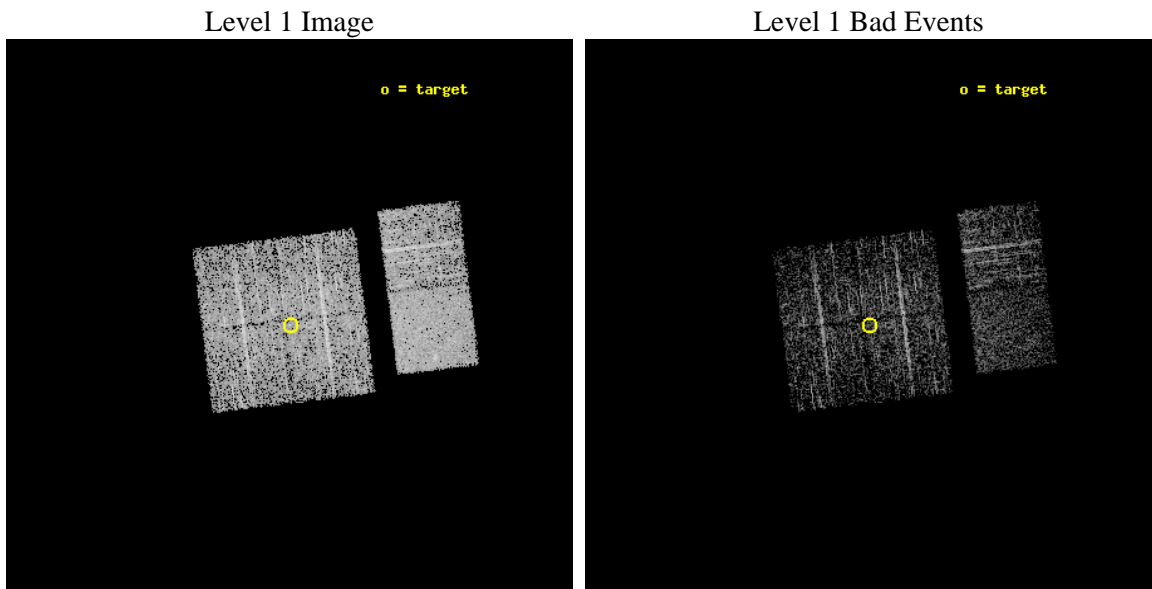
seq_num	200150	Sequence number
obs_id	2542	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD123445	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.21625	Observer's specified target RA [deg]
dec_targ	-43.470778	Observer's specified target Dec [deg]
ra_nom	212.21945410031	Nominal RA [deg]
dec_nom	-43.466769613067	Nominal Dec [deg]
roll_nom	82.927426212997	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2262.4000020921	Sum of GTIs [s]
livetime	2233.7521310119	Livetime [s]
ontime0	2262.4000020921	Sum of GTIs [s]
ontime1	2262.4000020921	Sum of GTIs [s]
ontime2	2262.4000020921	Sum of GTIs [s]
ontime3	2262.4000020921	Sum of GTIs [s]
ontime6	2262.4000020921	Sum of GTIs [s]
ontime7	2262.4000020921	Sum of GTIs [s]
l2events	15830	Number of level 2 events



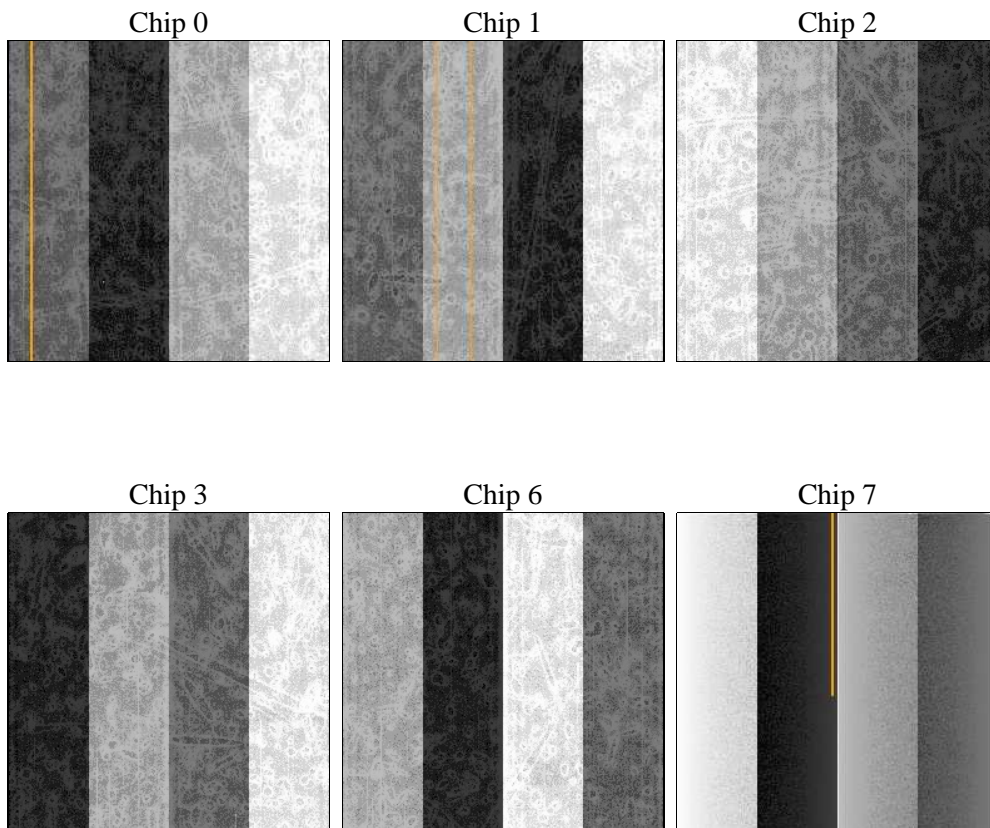
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2262.4000020921	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	2262.4000020921	Sum of GTIs [s]
date	2012-09-30T03:36:34	Date and time of file creation	ontime1	2262.4000020921	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2262.4000020921	Sum of GTIs [s]
			ontime3	2262.4000020921	Sum of GTIs [s]
			ontime6	2262.4000020921	Sum of GTIs [s]
			ontime7	2262.4000020921	Sum of GTIs [s]
			l1events	89081	Number of level 1 events

2.1.4 Events

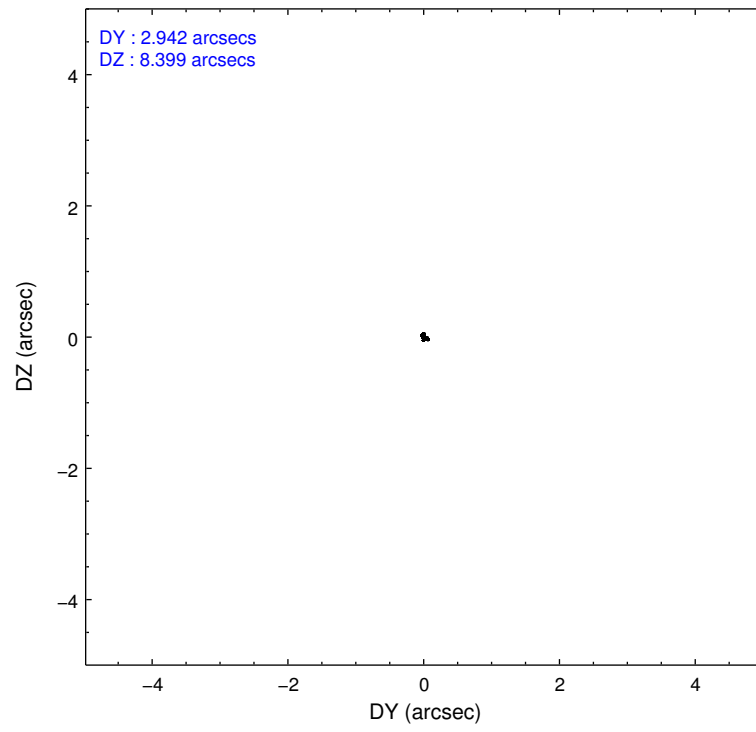
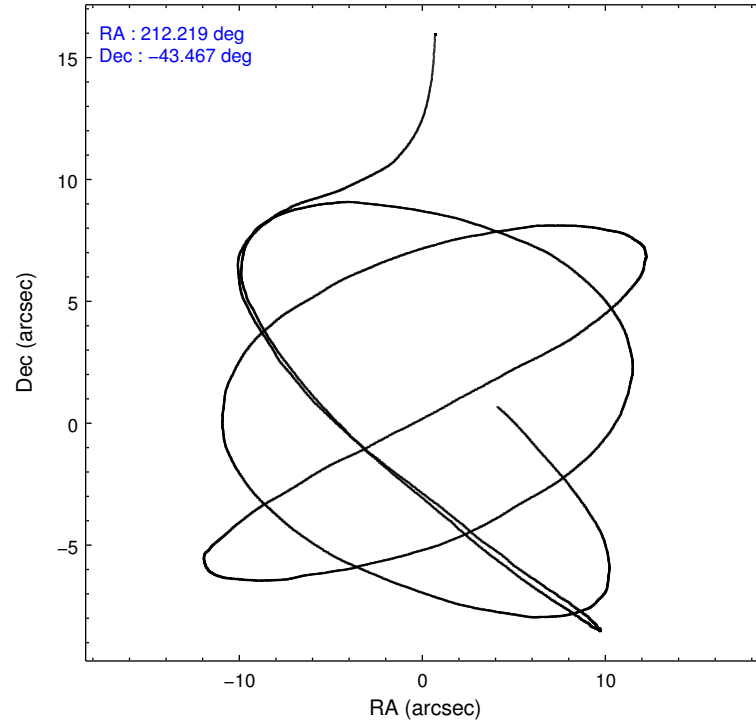
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	12919	12684	14984	14284	15331	18879
rejected events	11033	10807	13057	12454	13491	10764
rejected %	85%	85%	87%	87%	87%	57%

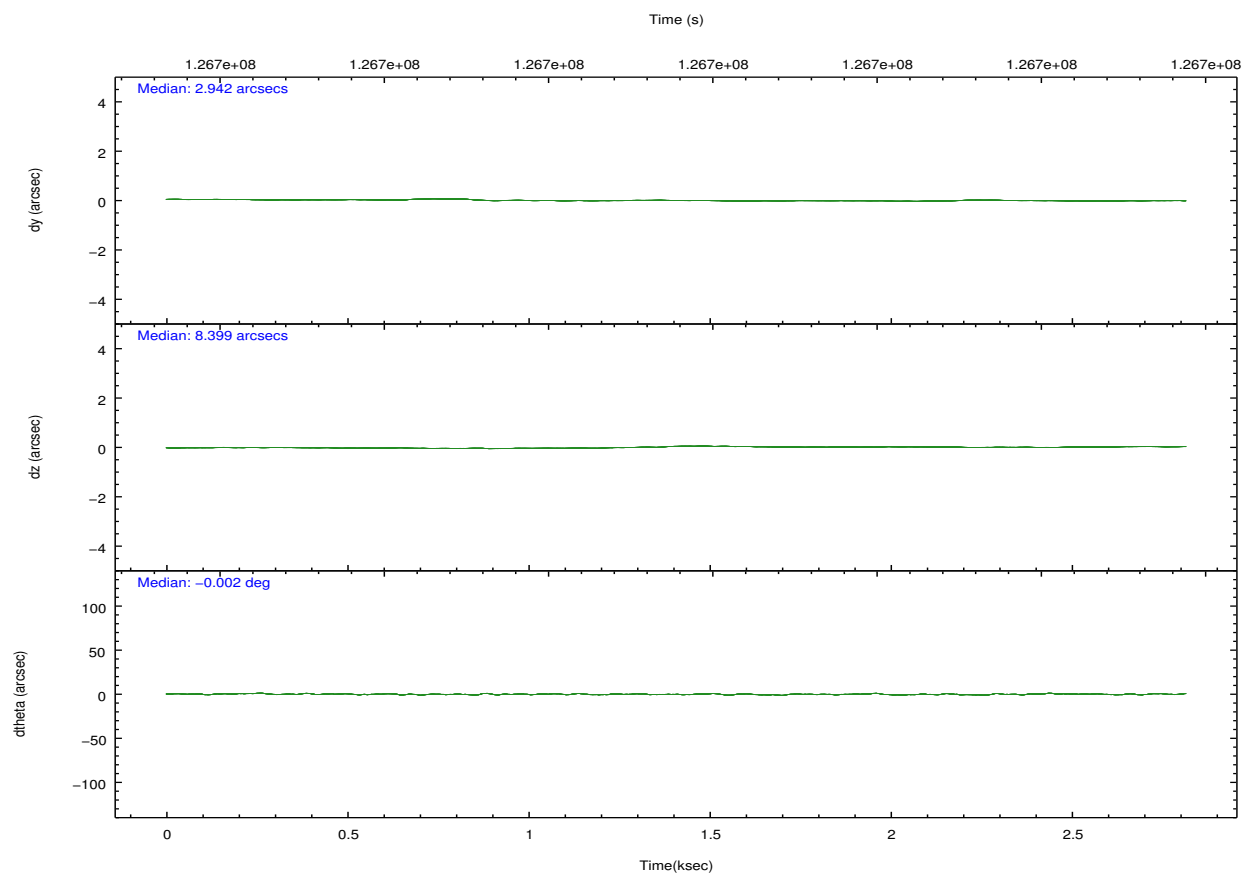
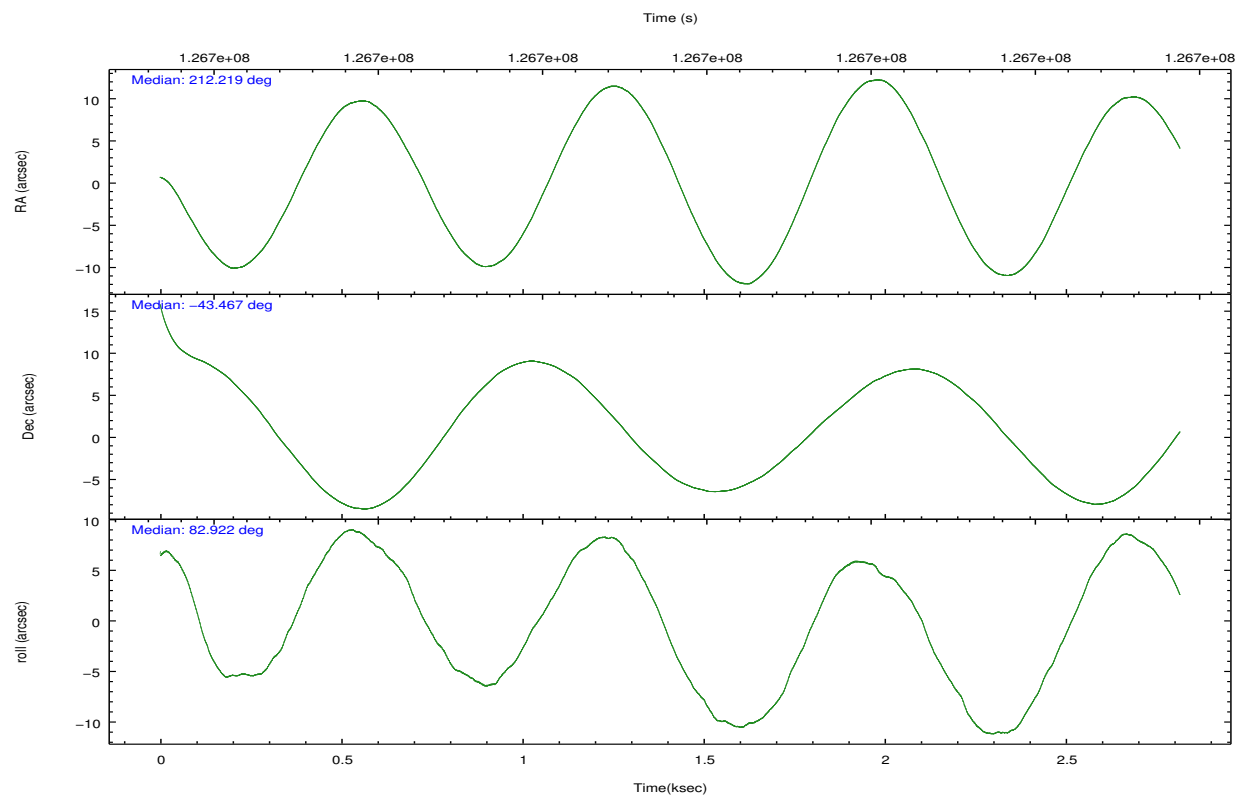
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	841	770	826	843	763	920
	6%	6%	5%	5%	4%	4%
grade 1 events	10	8	5	7	2	24
	0%	0%	0%	0%	0%	0%
grade 2 events	425	422	450	376	420	1724
	3%	3%	3%	2%	2%	9%
grade 3 events	164	179	141	156	169	694
	1%	1%	0%	1%	1%	3%
grade 4 events	169	170	171	155	148	777
	1%	1%	1%	1%	0%	4%
grade 5 events	521	560	461	554	590	1777
	4%	4%	3%	3%	3%	9%
grade 6 events	292	339	342	301	346	4021
	2%	2%	2%	2%	2%	21%
grade 7 events	10497	10236	12588	11892	12893	8942
	81%	80%	84%	83%	84%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	212.234286	212.2194541003085	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.491936	-43.46676961306723	Alternating exposures requested	N	N
[deg] Pointing Roll	82.728955	82.92742621299686	[s] Primary exposure time	0.000000	3.2
[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)	126701994.184000	126700854.15575			
Observation start date	2002-01-06T10:58:50	2002-01-06T10:40:54			
[s] Observation end time (MET)	126704294.184000	126705107.39342			
Observation end date	2002-01-06T11:37:10	2002-01-06T11:51:47			
Read mode	TIMED	TIMED			

2.3 Aspect



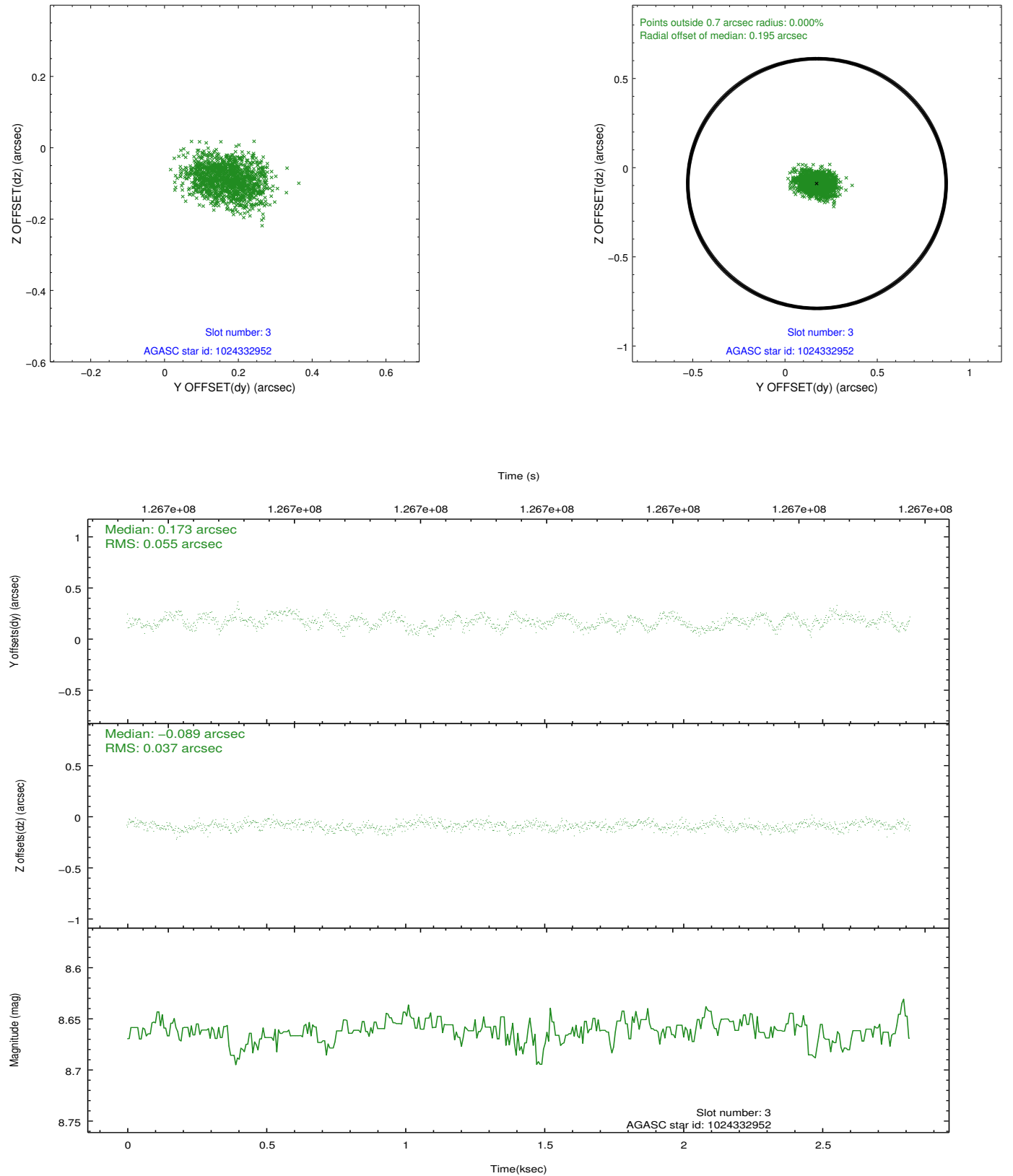


Slot Statistics

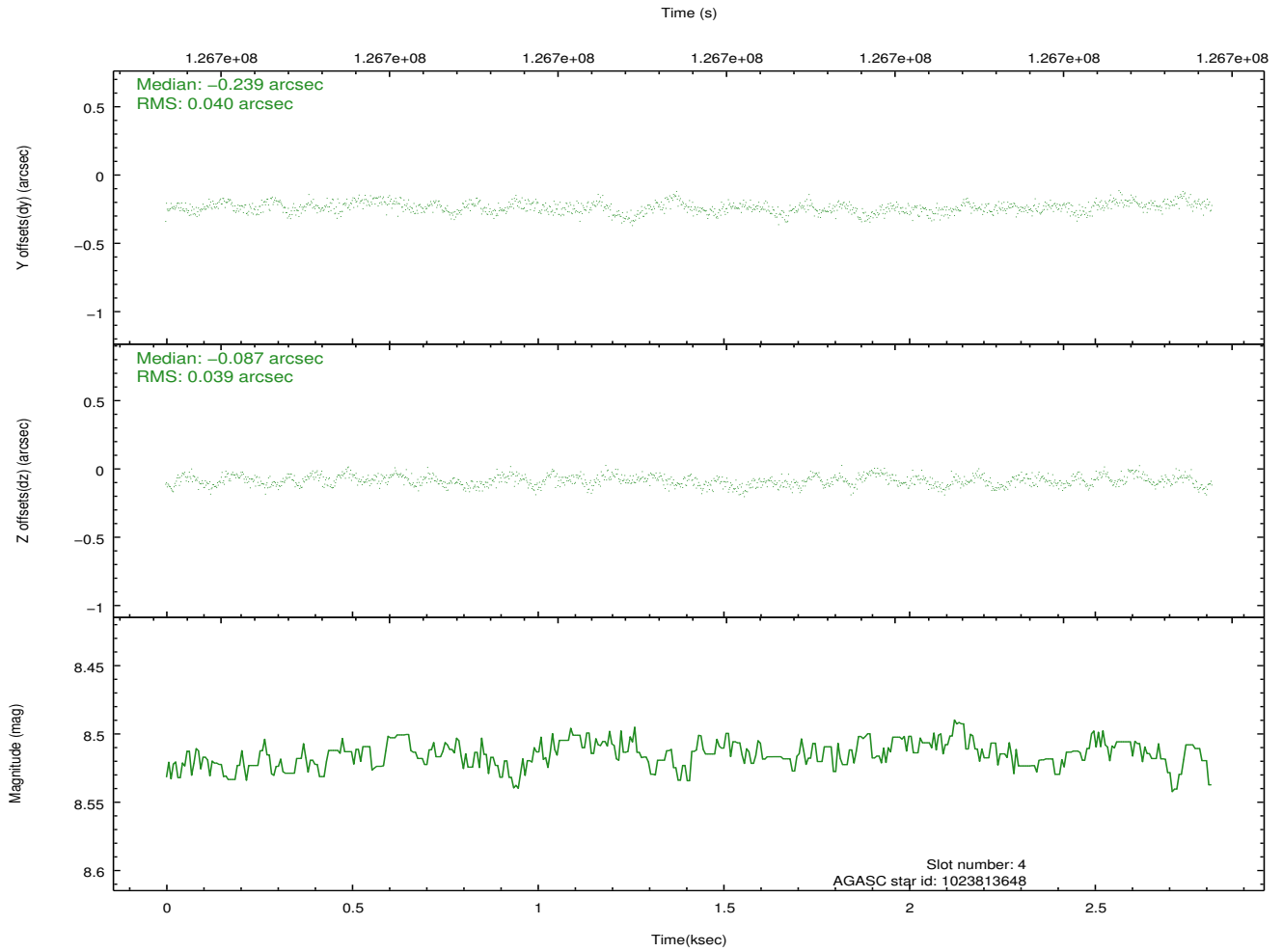
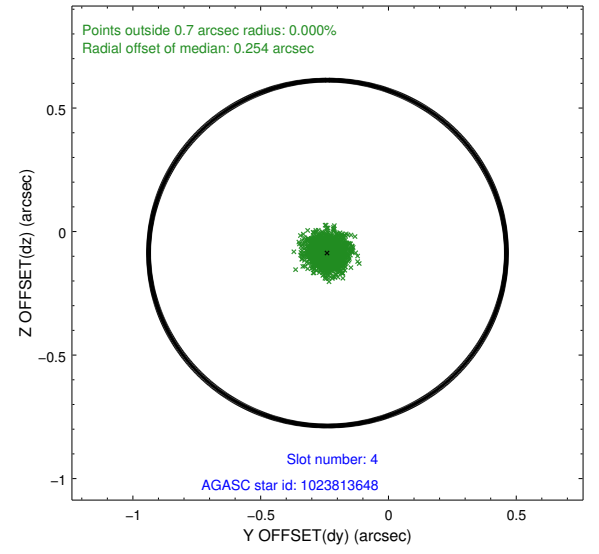
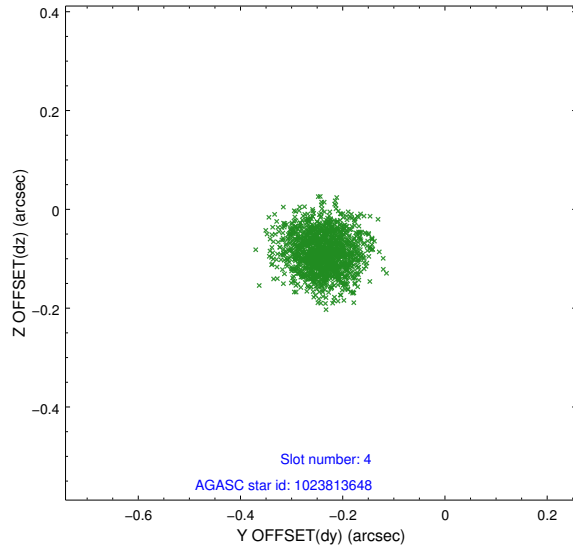
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	687	-0.028	0.067	0.006	0.011	0.000000	0.000000	936.81	-831.77
1	FID	ACIS-I-5	7.24	687	-0.041	0.035	0.006	0.011	0.000000	0.000000	-1810.03	1064.57
2	FID	ACIS-I-6	7.26	687	-0.023	-0.031	0.006	0.011	0.000000	0.000000	399.90	1711.58
3	GUIDE	1024332952	8.66	1372	0.173	-0.089	0.072	0.112	211.978360	-43.993176	-1874.73	428.30
4	GUIDE	1023813648	8.51	1374	-0.239	-0.087	0.060	0.097	212.262640	-42.984832	1818.72	156.97
5	GUIDE	1024329408	9.66	1374	-0.163	-0.100	0.092	0.149	211.643889	-43.252679	654.06	1643.56
6	GUIDE	1024334328	9.32	1373	0.294	-0.063	0.076	0.125	211.871232	-43.943075	-1731.51	728.31
7	GUIDE	1024471160	9.35	1373	-0.062	0.340	0.094	0.153	213.115503	-43.510435	211.97	-2291.69

2.4 Star Slots

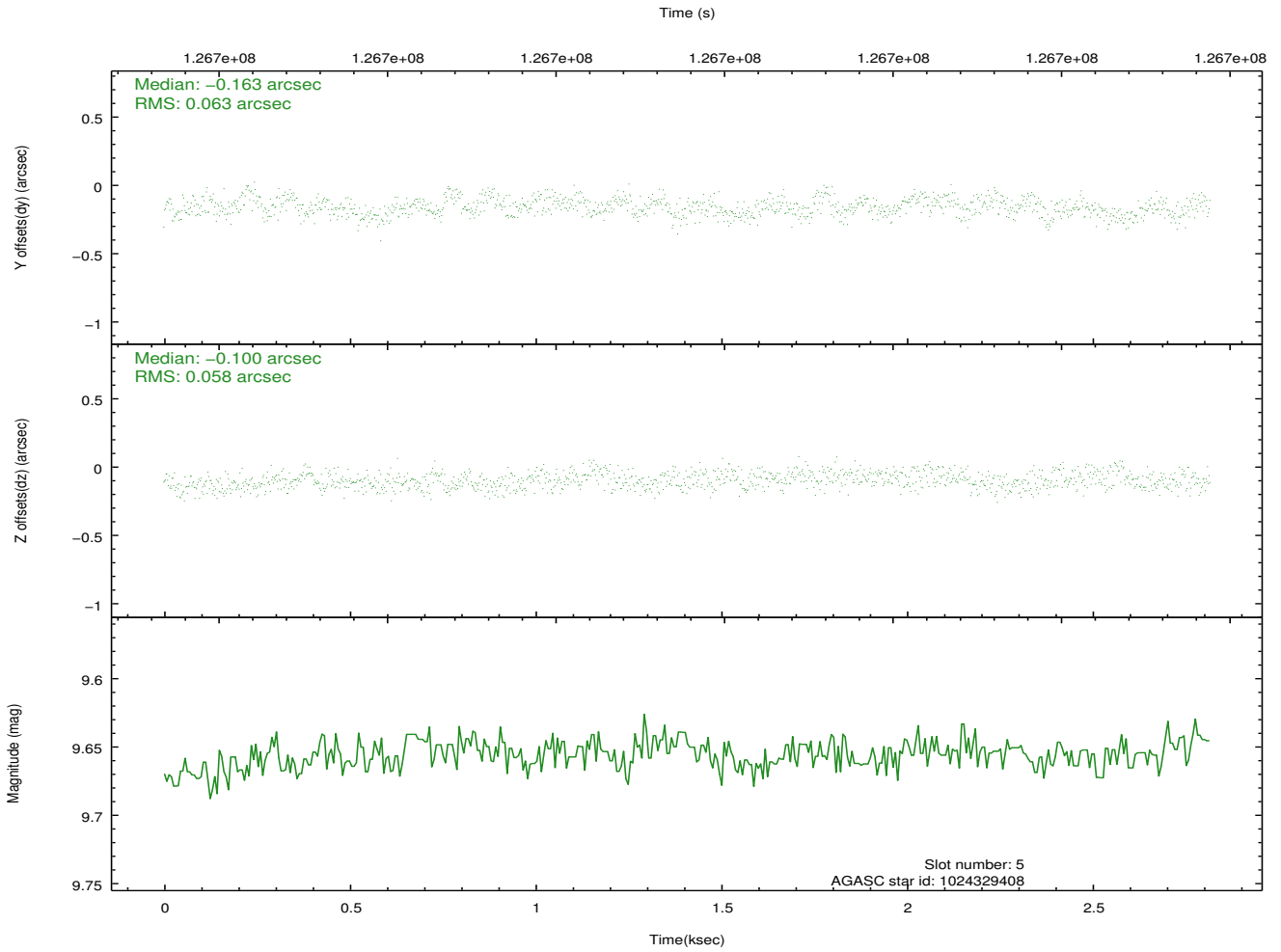
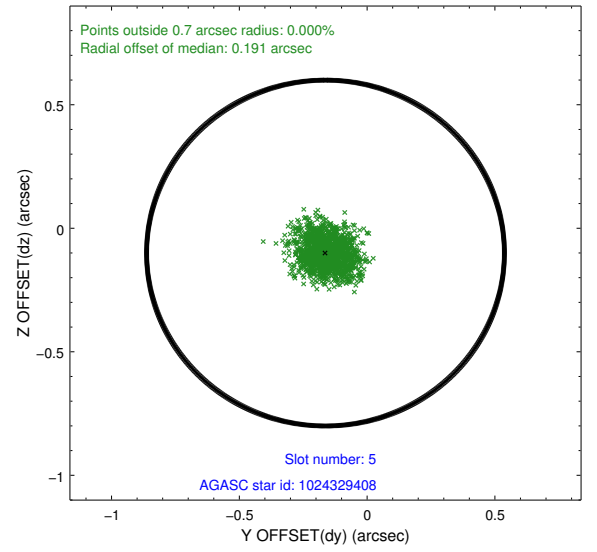
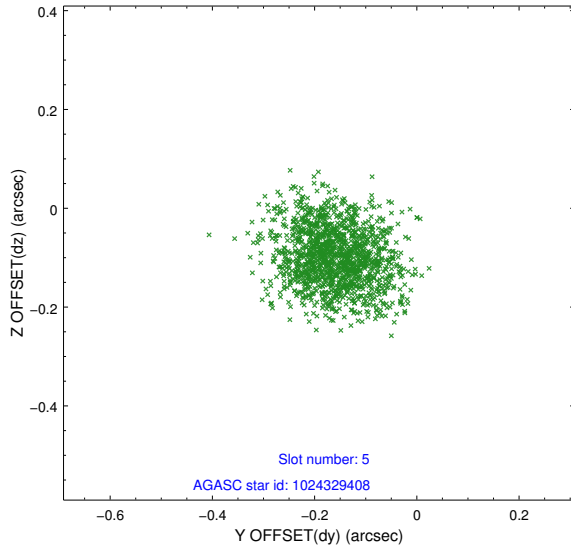
2.4.1 Slot 3



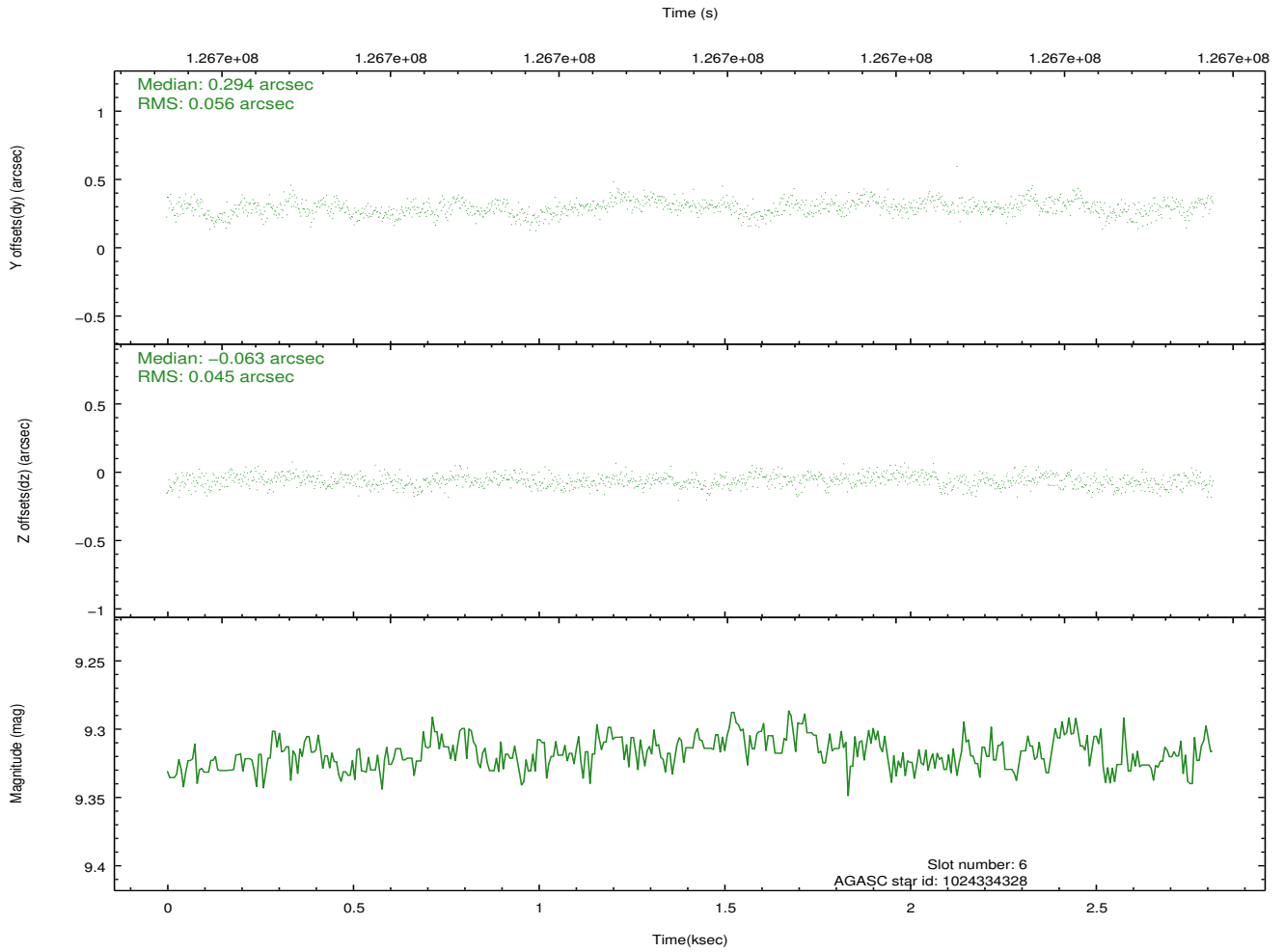
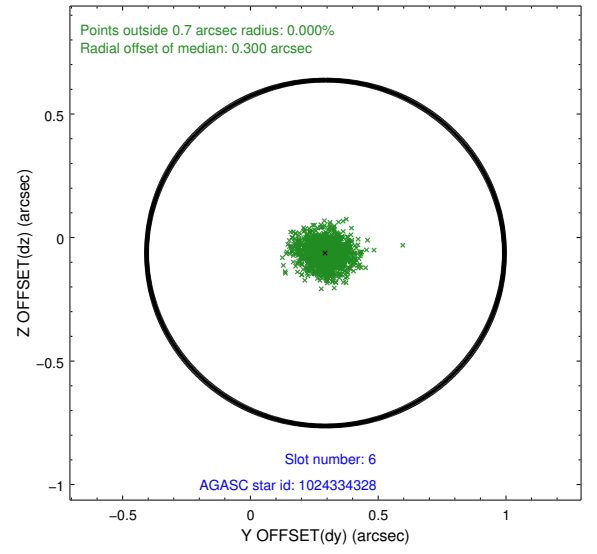
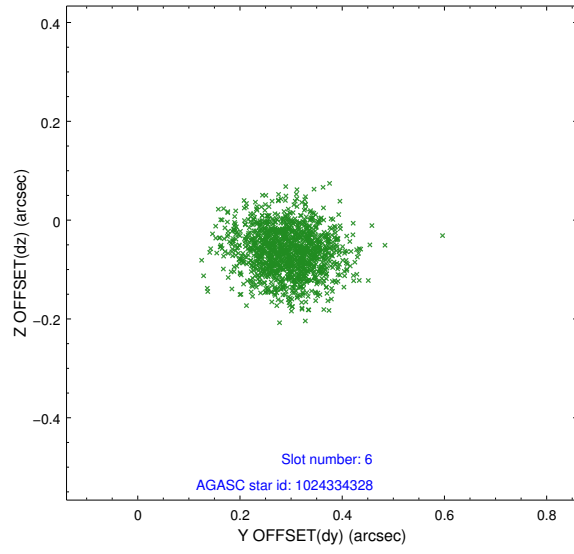
2.4.2 Slot 4



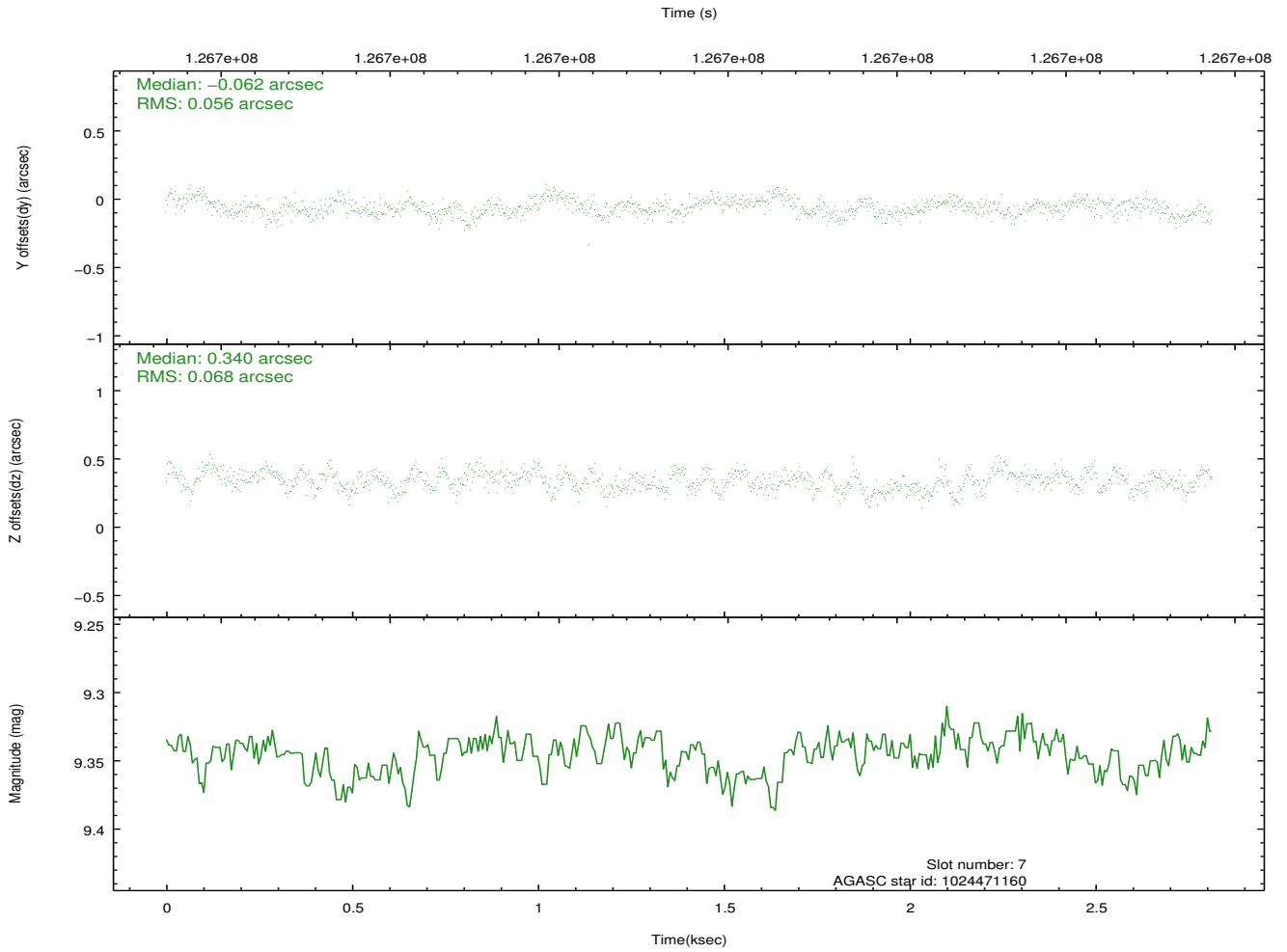
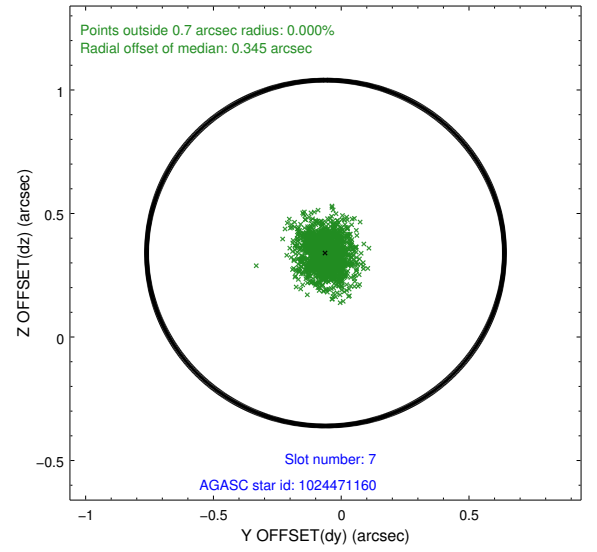
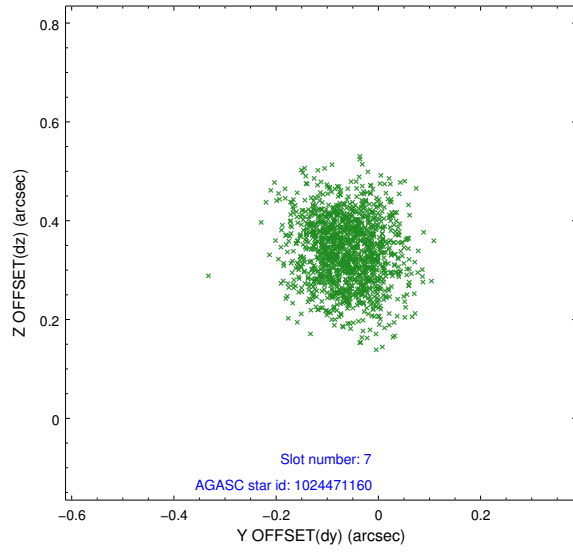
2.4.3 Slot 5



2.4.4 Slot 6

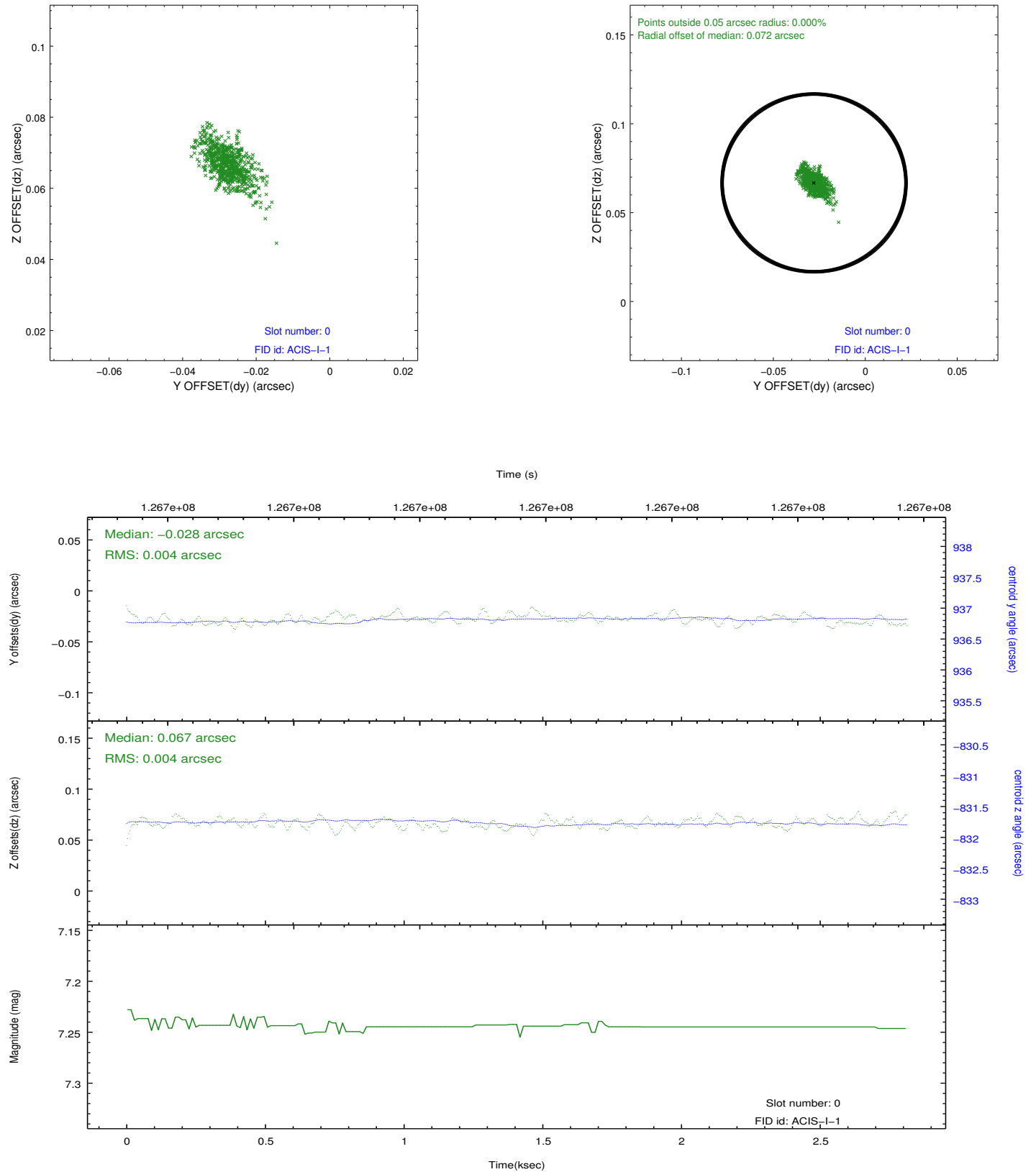


2.4.5 Slot 7

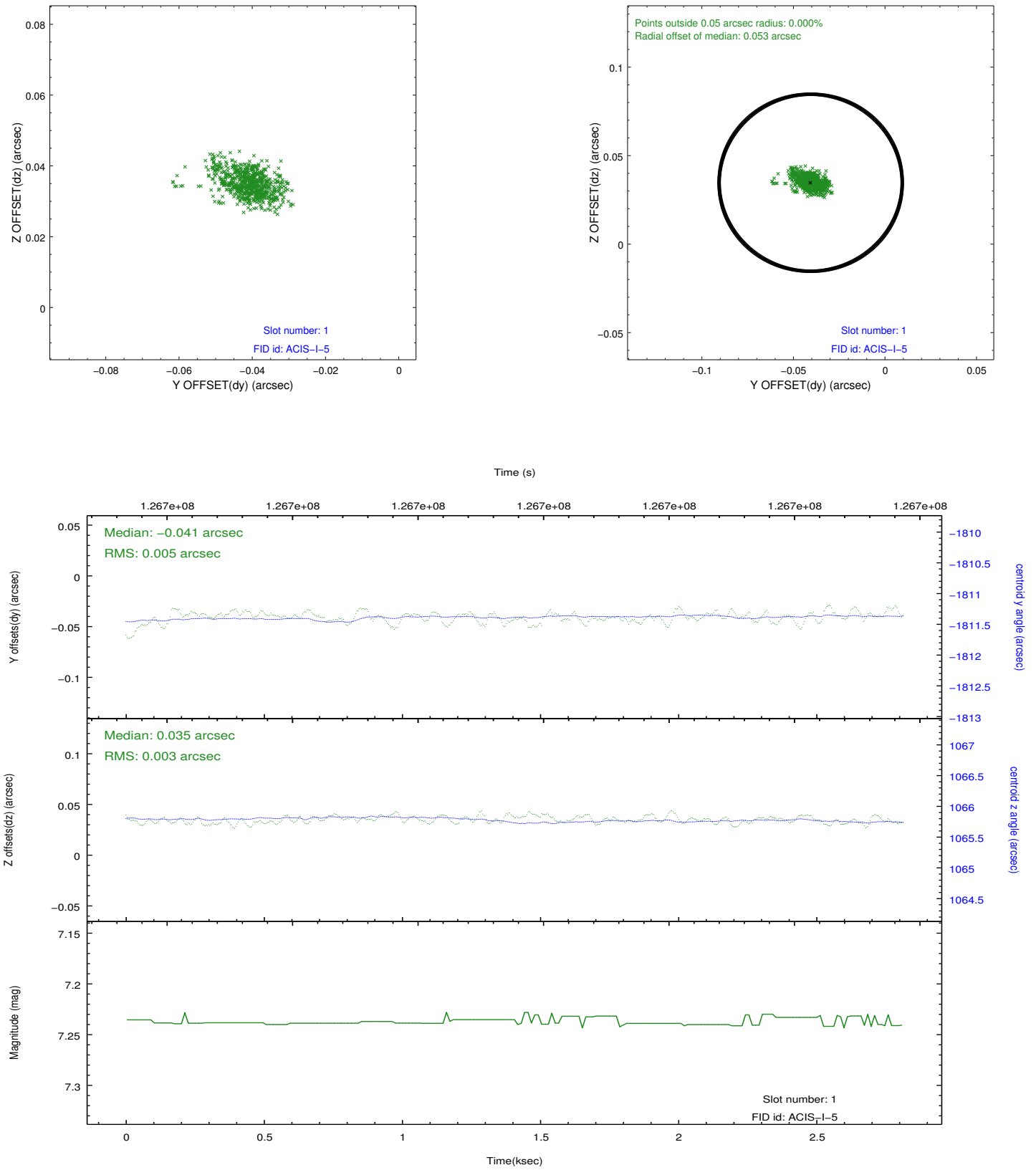


2.5 FID Slots

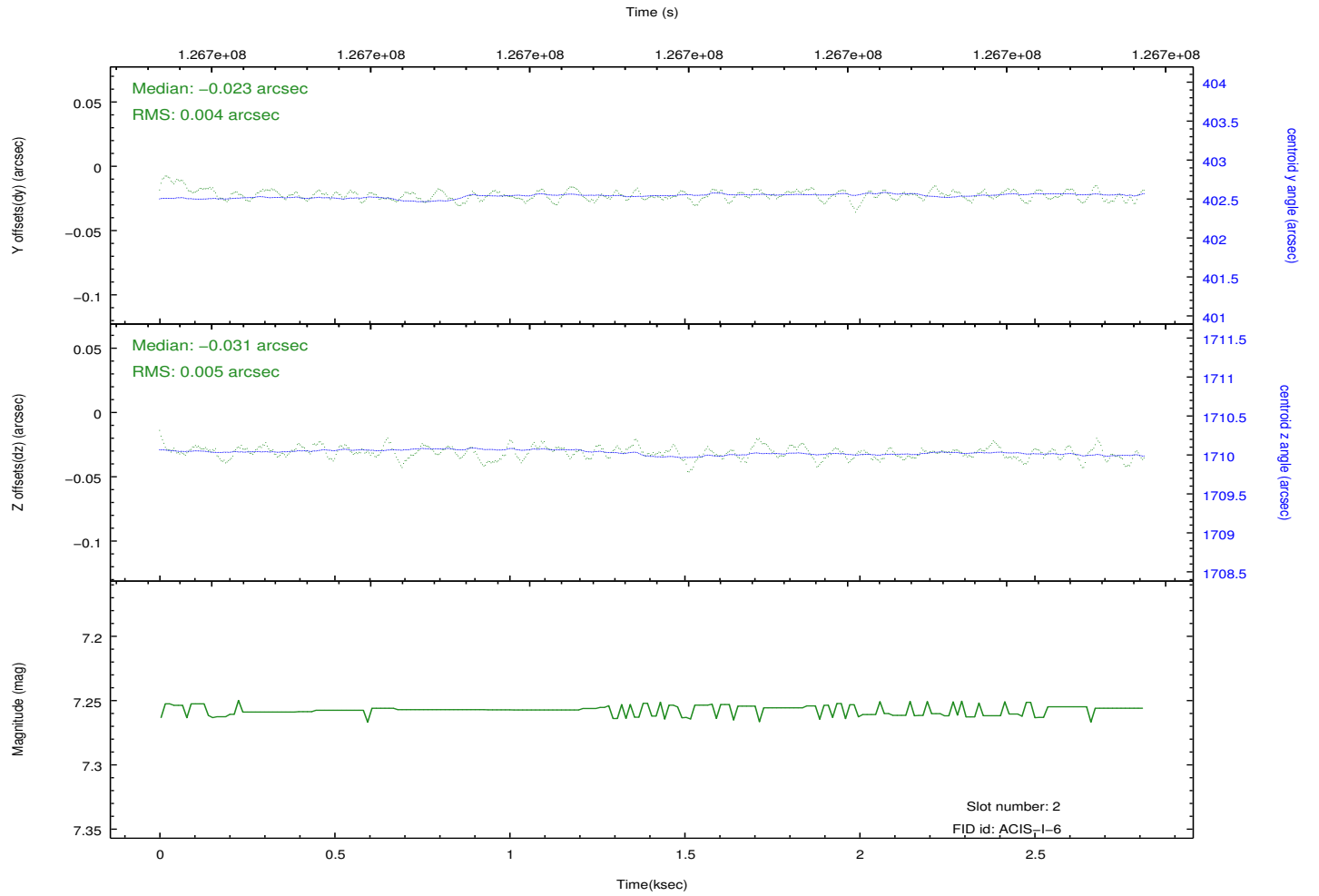
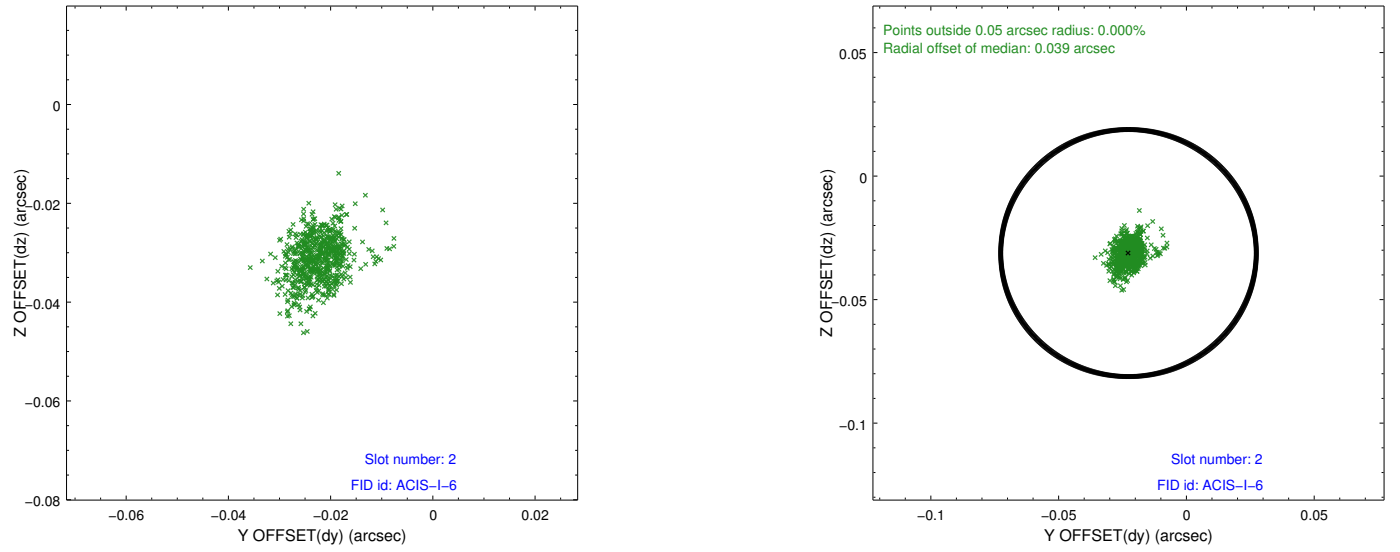
2.5.1 Slot 0



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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.265

A.2 Comments