

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5894 - L2 Version 3
Chandra X-Ray Center

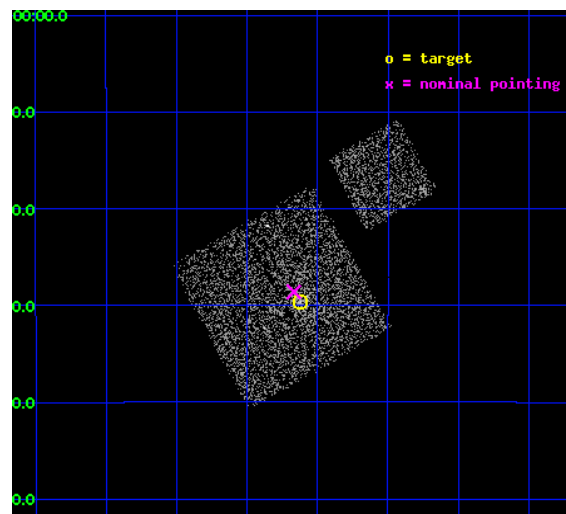
L2 Processing Date : Dec 18 2012

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1 Front

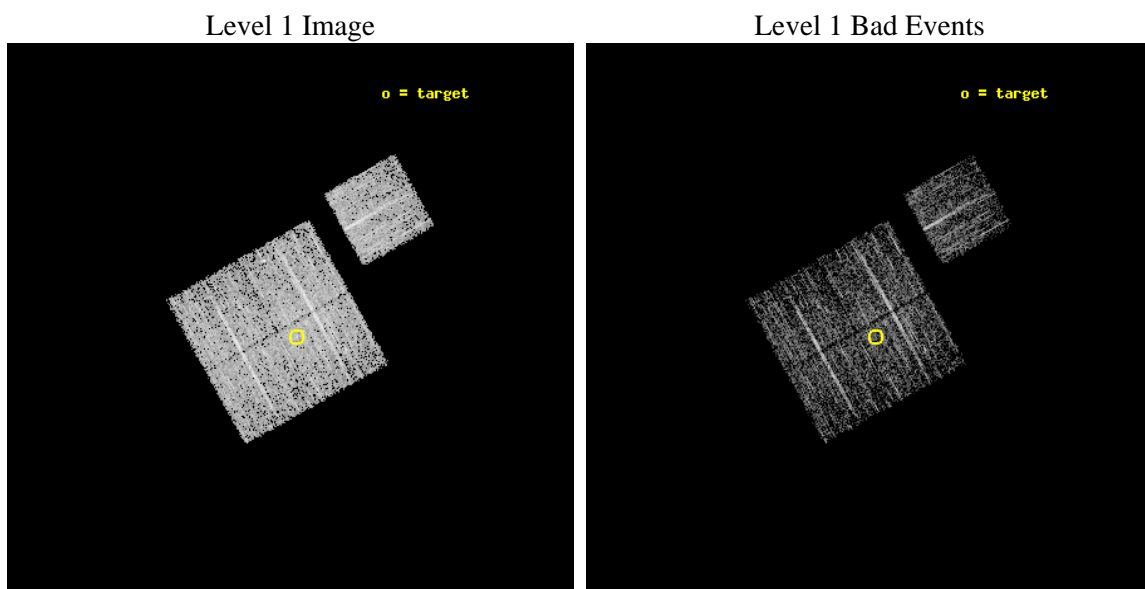
seq_num	600413	Sequence number
obs_id	5894	Observation id
title	Testing Formation Models and Heating and Feedback Mechanisms In Galaxy Groups	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	NGC4760	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.28	Observer's specified target RA [deg]
dec_targ	-10.494167	Observer's specified target Dec [deg]
ra_nom	193.29188839644	Nominal RA [deg]
dec_nom	-10.476682321218	Nominal Dec [deg]
roll_nom	60.903104589572	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2749.6999946833	Sum of GTIs [s]
livetime	2713.773139953	Livetime [s]
ontime0	2749.6999946833	Sum of GTIs [s]
ontime1	2749.6999946833	Sum of GTIs [s]
ontime2	2749.6999946833	Sum of GTIs [s]
ontime3	2749.6999946833	Sum of GTIs [s]
ontime6	2749.6999946833	Sum of GTIs [s]
l2events	8445	Number of level 2 events



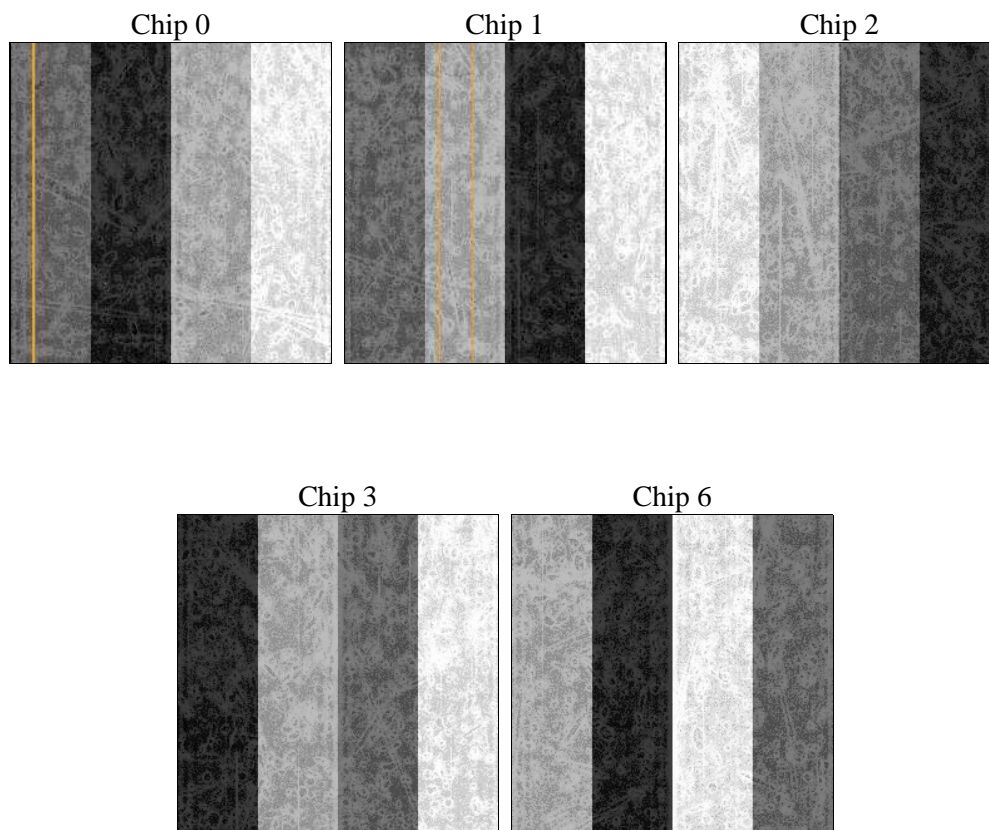
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2700.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2749.6999946833	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	2749.6999946833	Sum of GTIs [s]
date	2012-12-18T05:13:33	Date and time of file creation	ontime1	2749.6999946833	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2749.6999946833	Sum of GTIs [s]
			ontime3	2749.6999946833	Sum of GTIs [s]
			ontime6	2749.6999946833	Sum of GTIs [s]
			l1events	87086	Number of level 1 events

2.1.4 Events

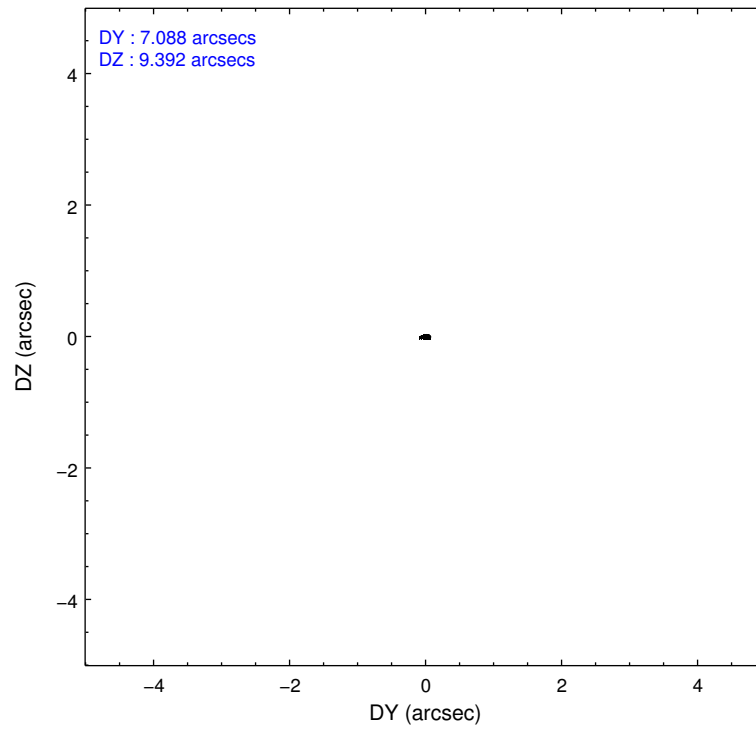
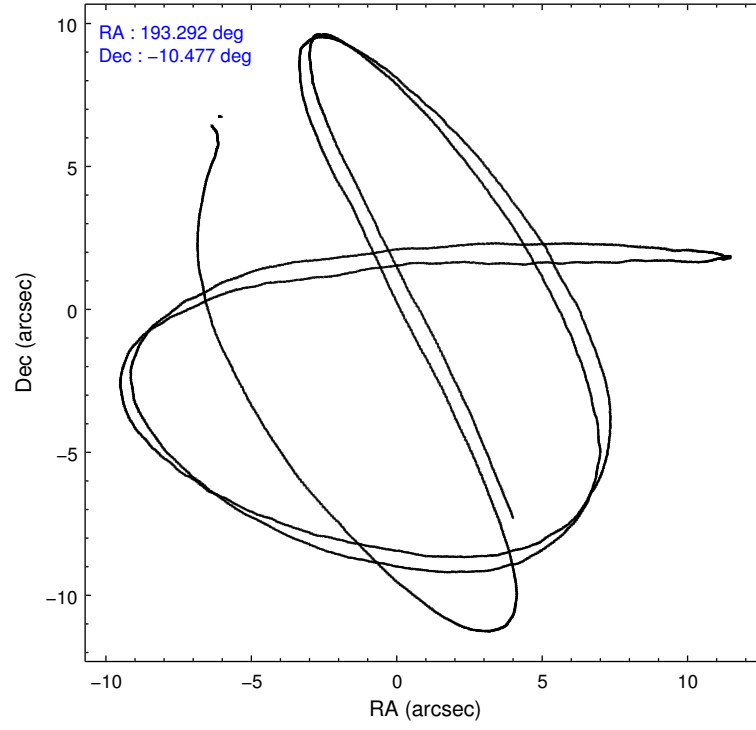
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	16540	16477	18657	18124	17288
rejected events	14754	14349	16590	16026	15454
rejected %	89%	87%	88%	88%	89%

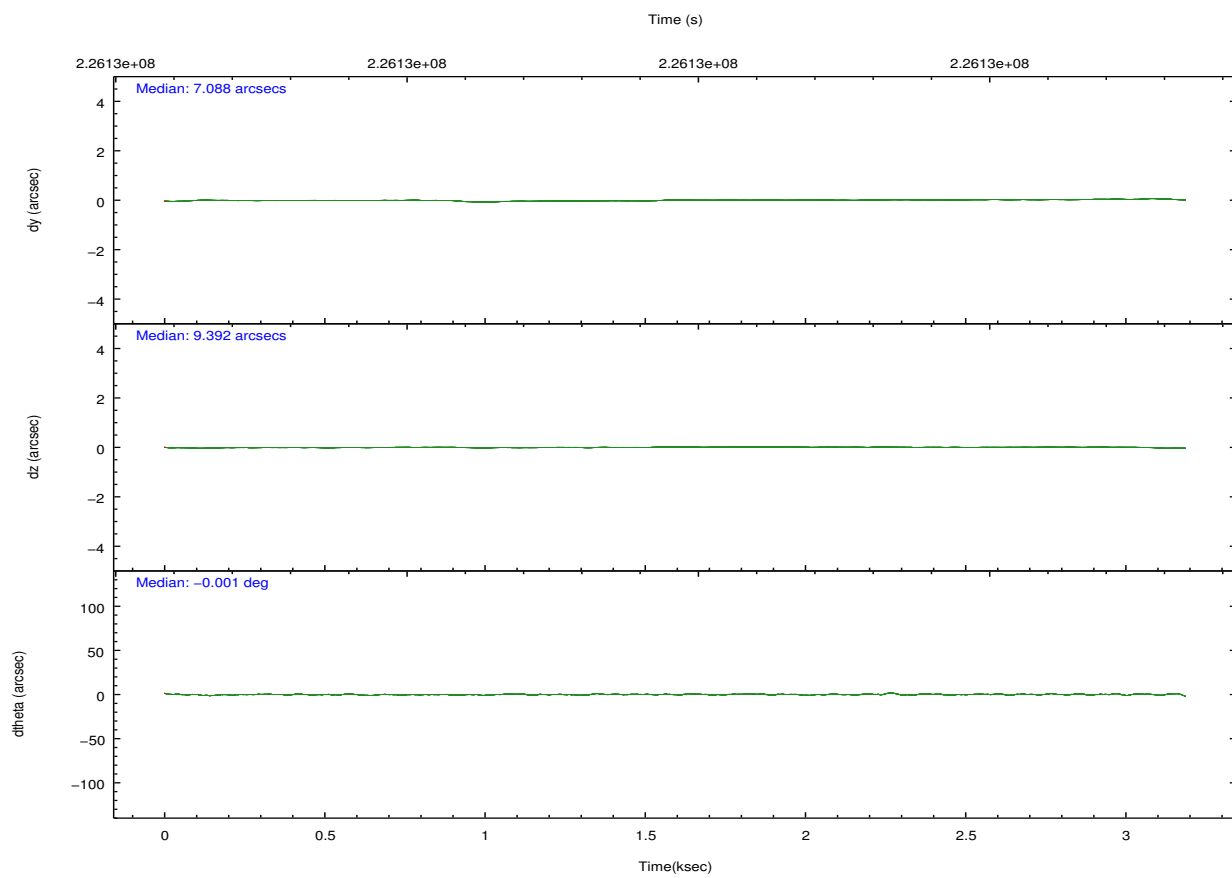
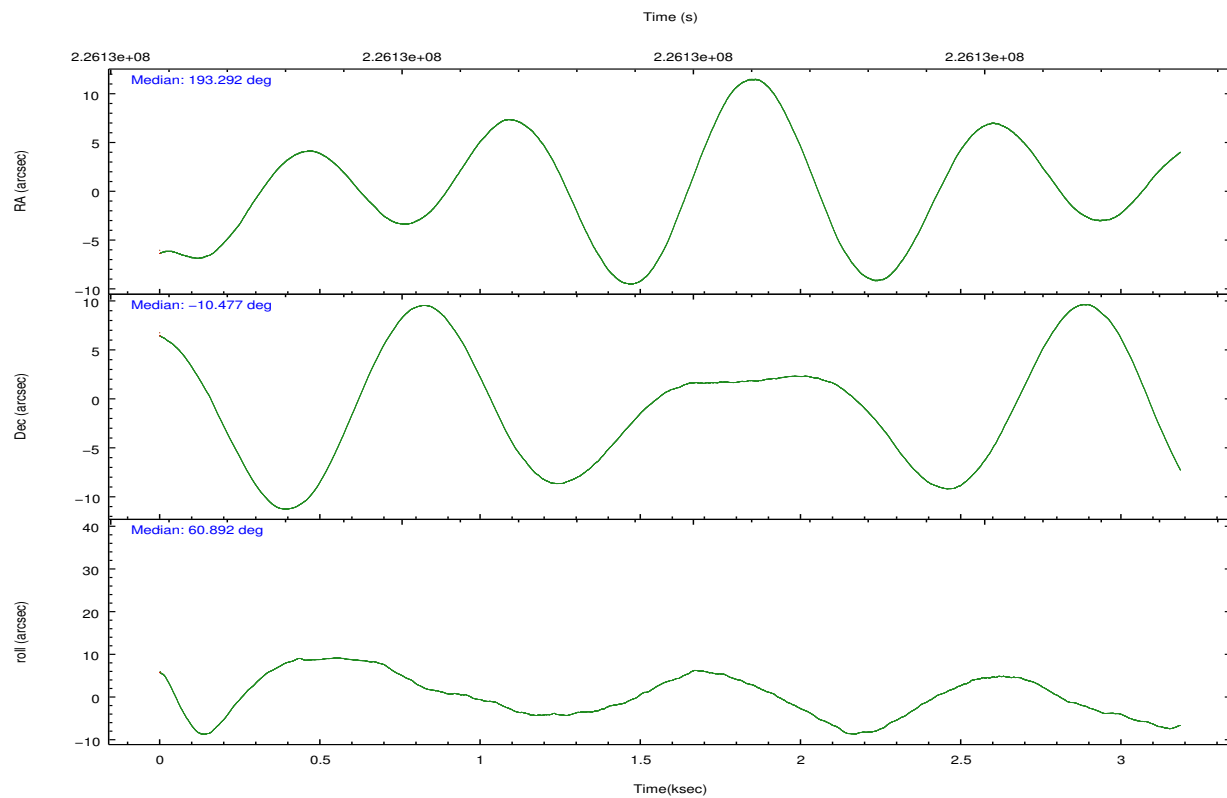
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	659	886	940	953	671
	3%	5%	5%	5%	3%
grade 1 events	14	7	9	12	11
	0%	0%	0%	0%	0%
grade 2 events	425	396	412	414	360
	2%	2%	2%	2%	2%
grade 3 events	215	228	205	207	216
	1%	1%	1%	1%	1%
grade 4 events	191	204	193	192	202
	1%	1%	1%	1%	1%
grade 5 events	579	655	532	683	694
	3%	3%	2%	3%	4%
grade 6 events	299	415	321	337	390
	1%	2%	1%	1%	2%
grade 7 events	14158	13686	16045	15326	14744
	85%	83%	85%	84%	85%

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	193.292565	193.2918883964354	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.504163	-10.4766823212181	Alternating exposures requested	N	N
[deg] Pointing Roll	60.694481	60.90310458957232	[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	-231.092463	-231.0932336816812			
[mm] SIM translation stage offset	-2.5	-2.499219321248518			
[s] Observation start time (MET)	226131814.184000	226130734.84722			
Observation start date	2005-03-02T06:22:30	2005-03-02T06:05:34			
[s] Observation end time (MET)	226134514.184000	226135871.12245			
Observation end date	2005-03-02T07:07:30	2005-03-02T07:31:11			
Read mode	TIMED	TIMED			

2.3 Aspect



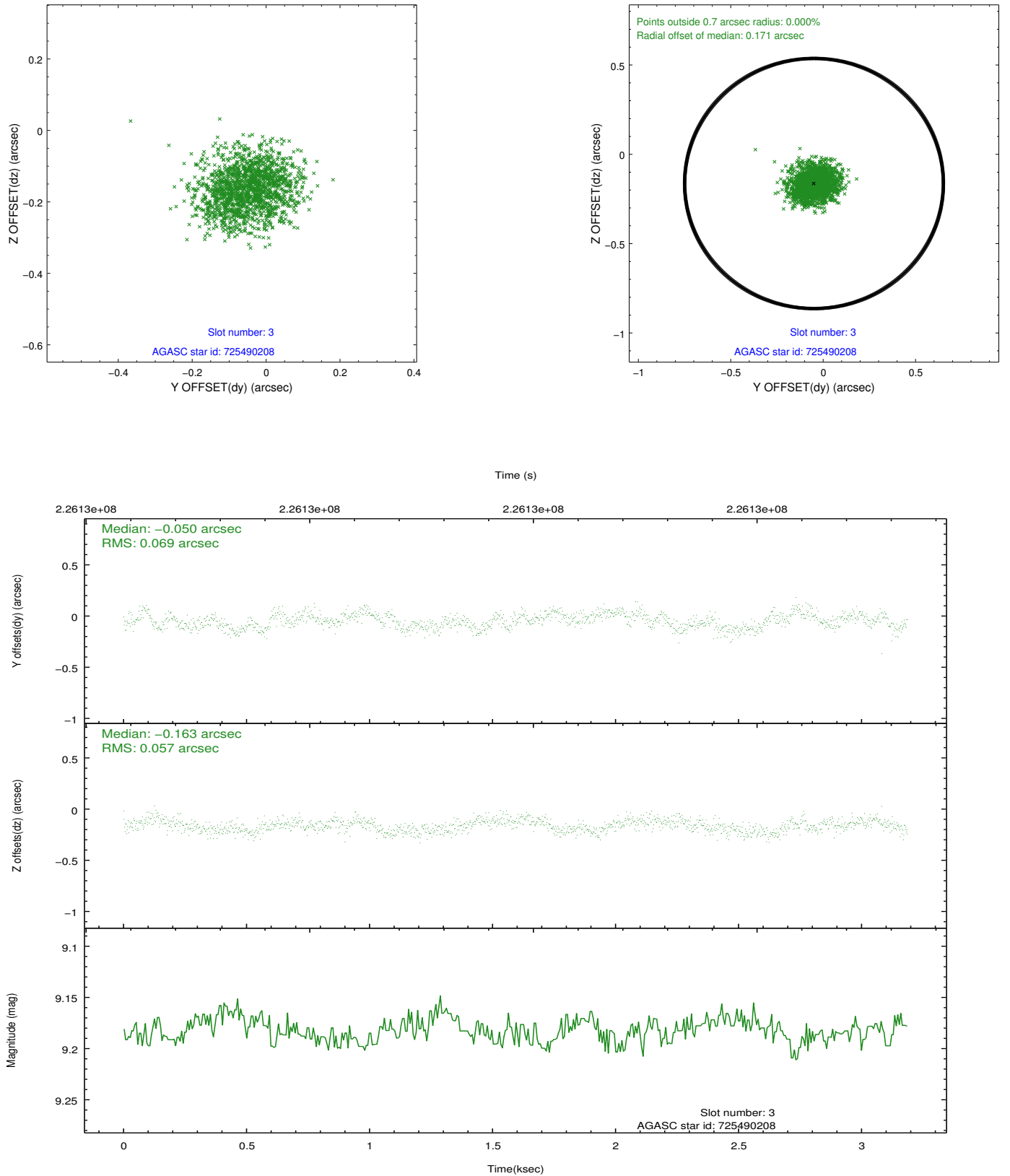


Slot Statistics

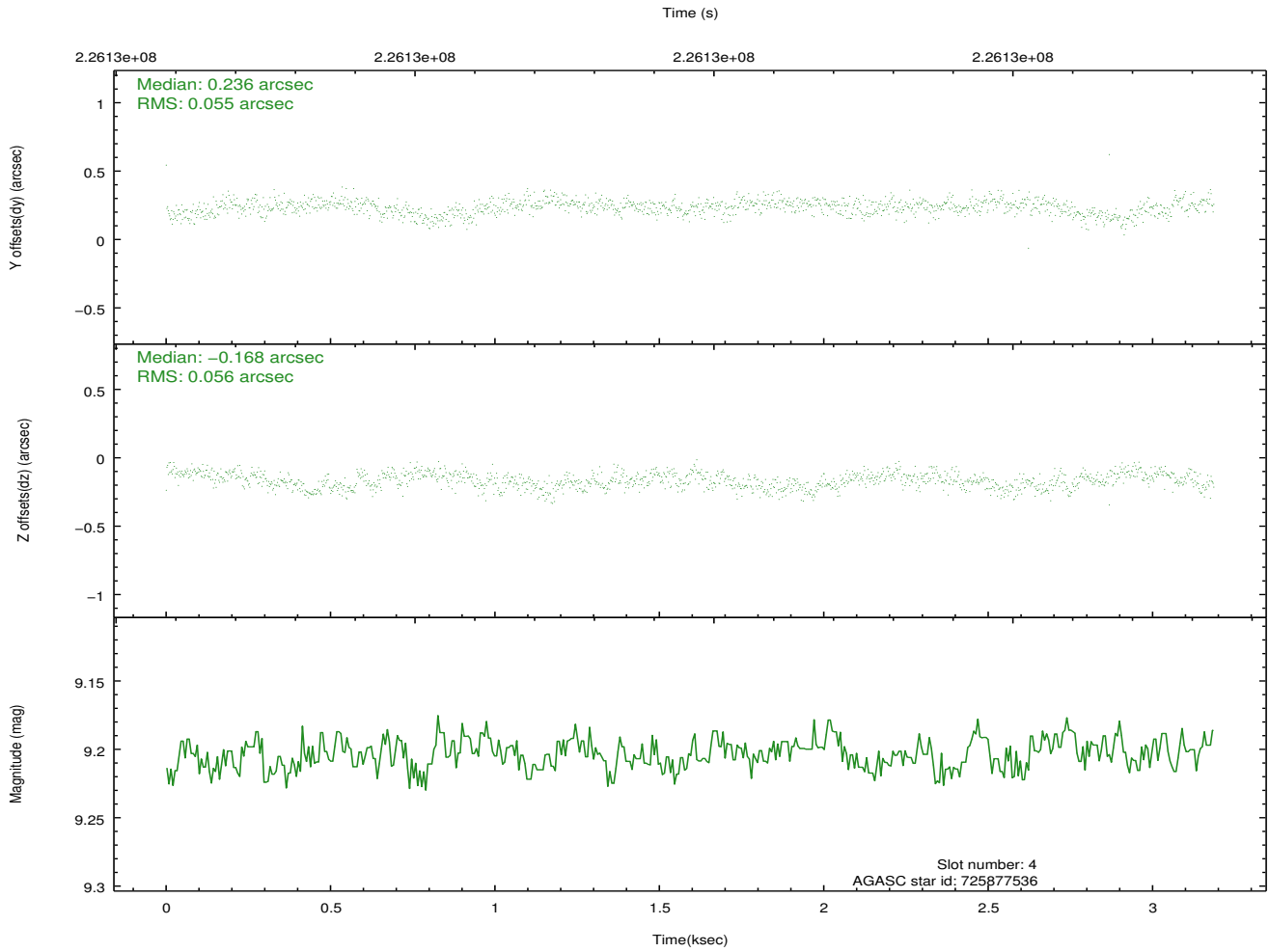
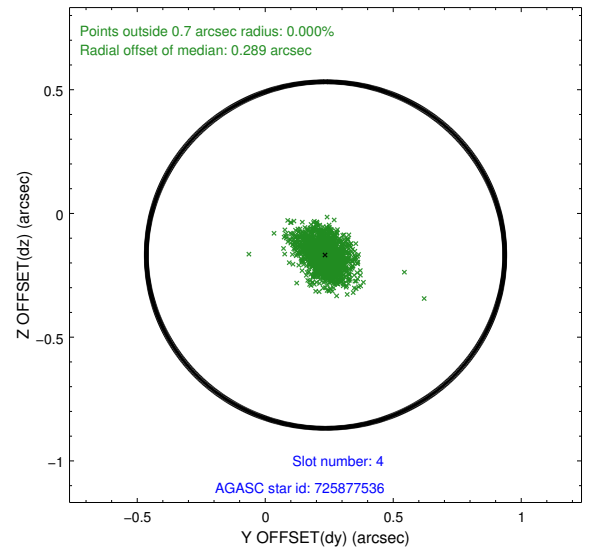
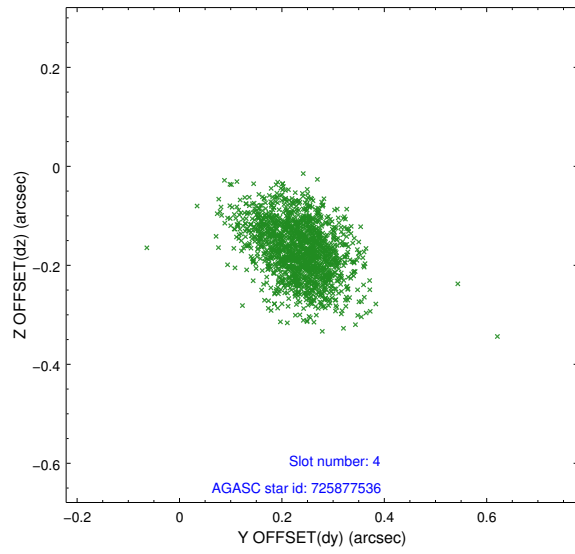
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	778	0.030	-0.039	0.007	0.012	0.000000	0.000000	932.57	-884.13
1	FID	ACIS-I-5	7.23	778	-0.181	0.034	0.006	0.011	0.000000	0.000000	-1814.62	1012.40
2	FID	ACIS-I-6	7.25	778	0.060	0.075	0.006	0.011	0.000000	0.000000	396.00	1659.19
3	GUIDE	725490208	9.18	1554	-0.050	-0.163	0.096	0.151	193.035827	-9.691293	2105.47	2226.35
4	GUIDE	725877536	9.20	1555	0.236	-0.168	0.083	0.134	193.233989	-10.560716	-277.22	81.87
5	GUIDE	725878176	8.72	1554	-0.052	0.228	0.111	0.155	193.713230	-10.434131	948.28	-1176.01
6	GUIDE	725878456	8.83	1554	-0.020	0.010	0.067	0.107	193.306402	-10.183063	1032.82	521.87
7	GUIDE	725878856	9.71	1552	-0.108	0.107	0.098	0.159	193.967362	-10.221801	2055.52	-1588.28

2.4 Star Slots

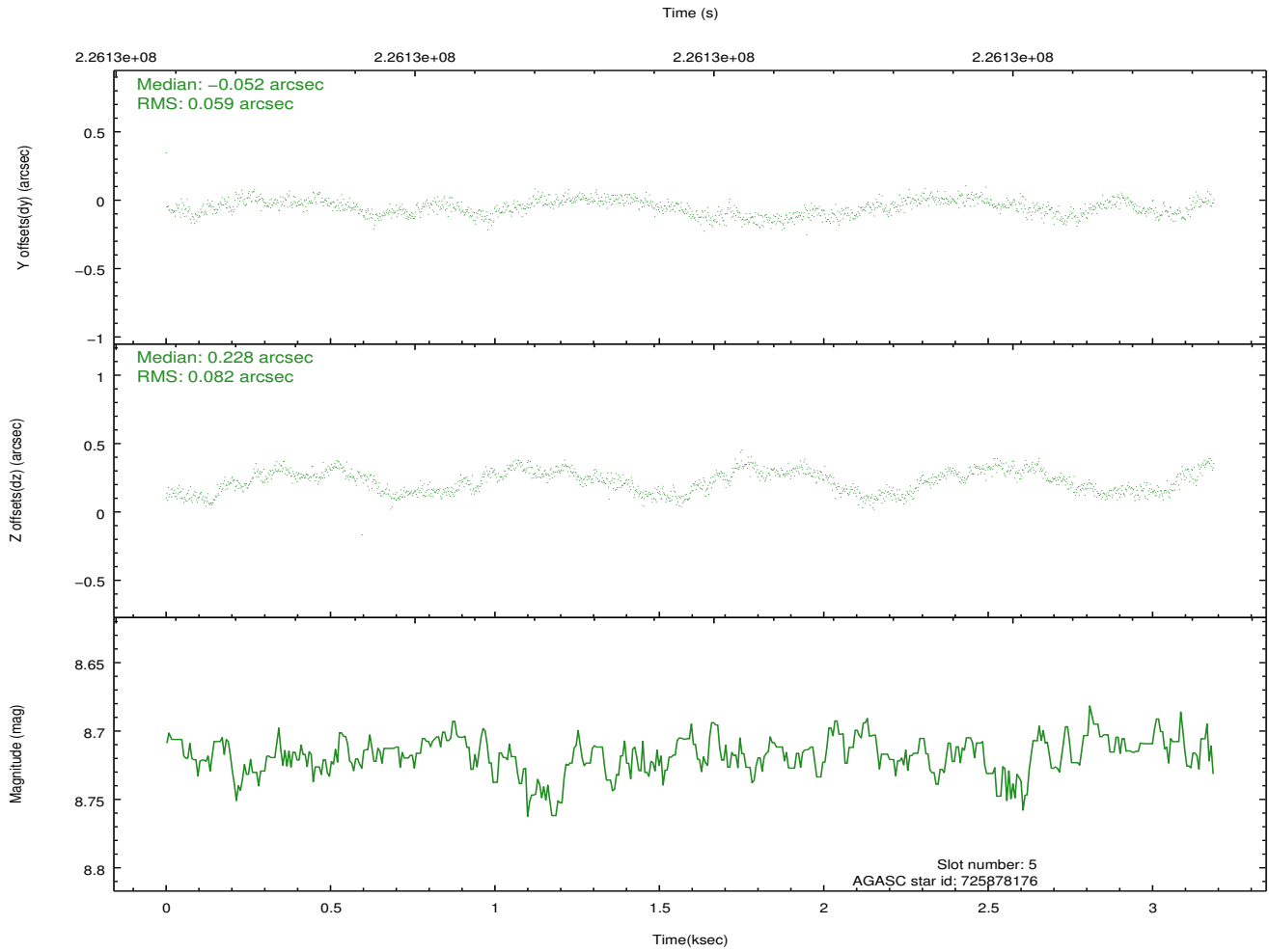
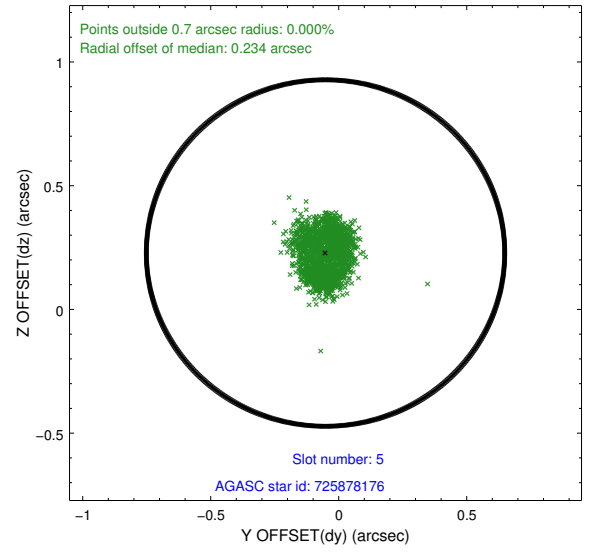
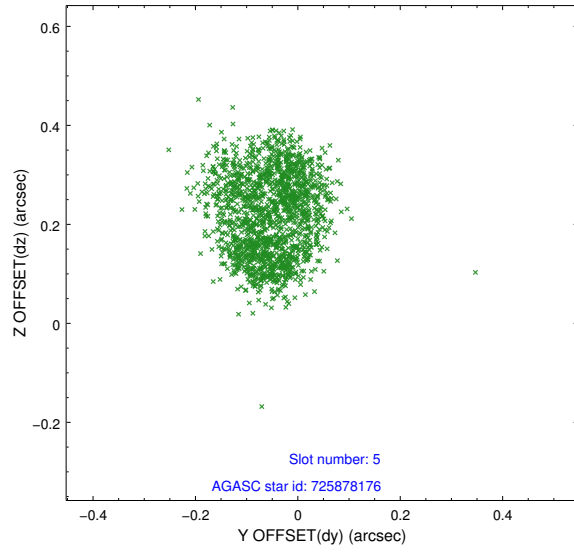
2.4.1 Slot 3



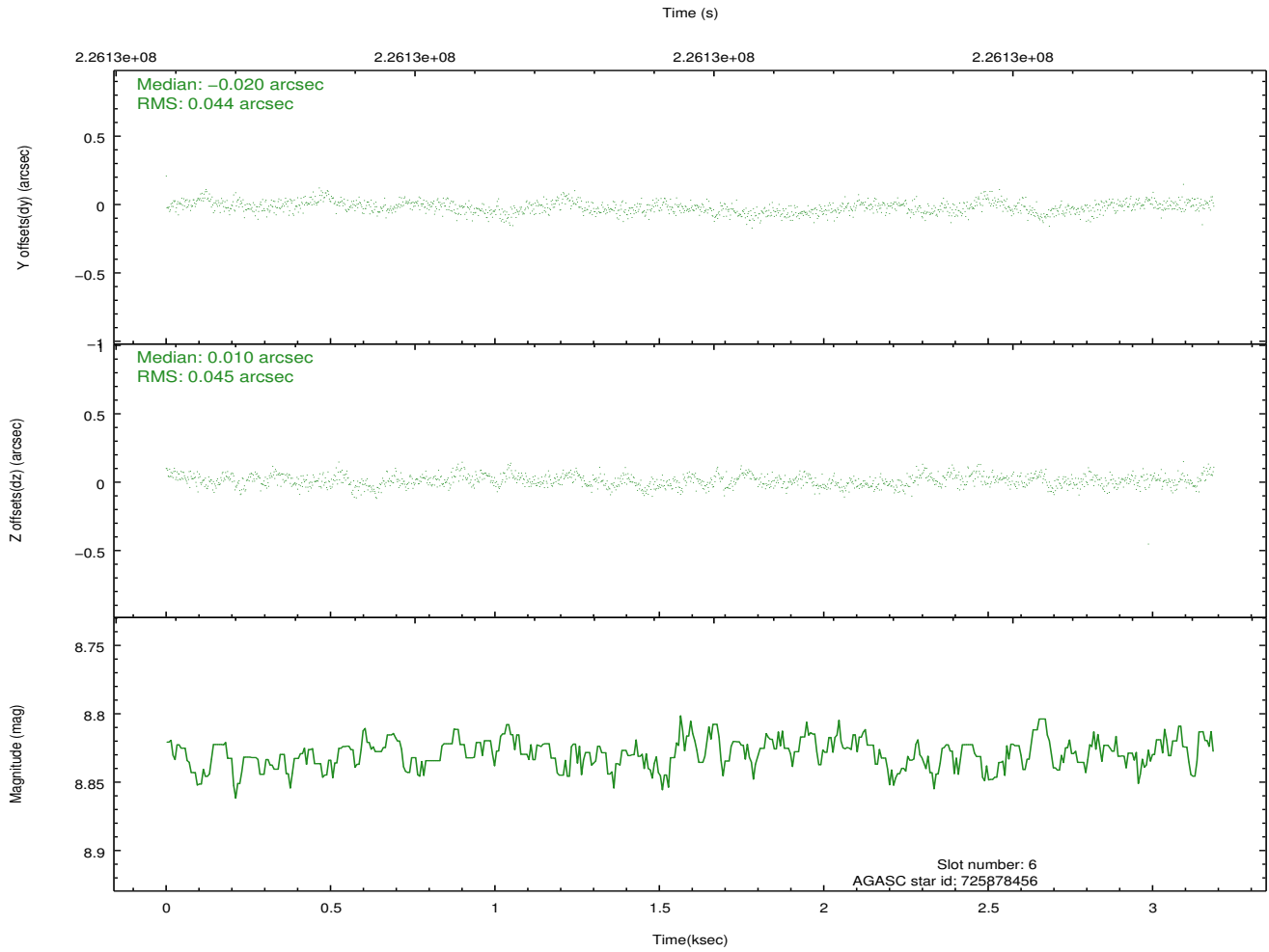
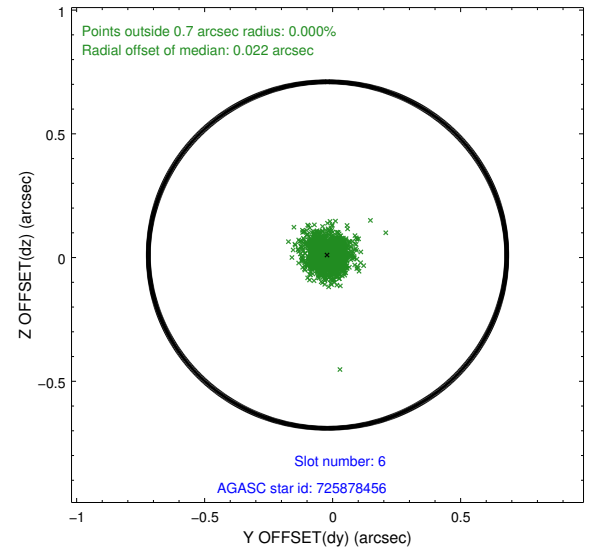
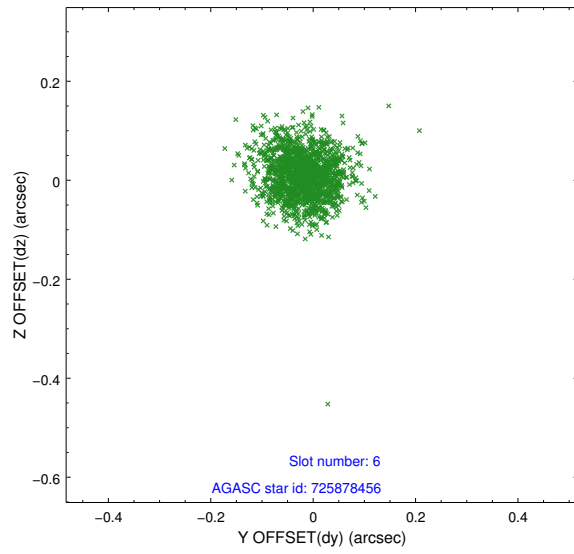
2.4.2 Slot 4



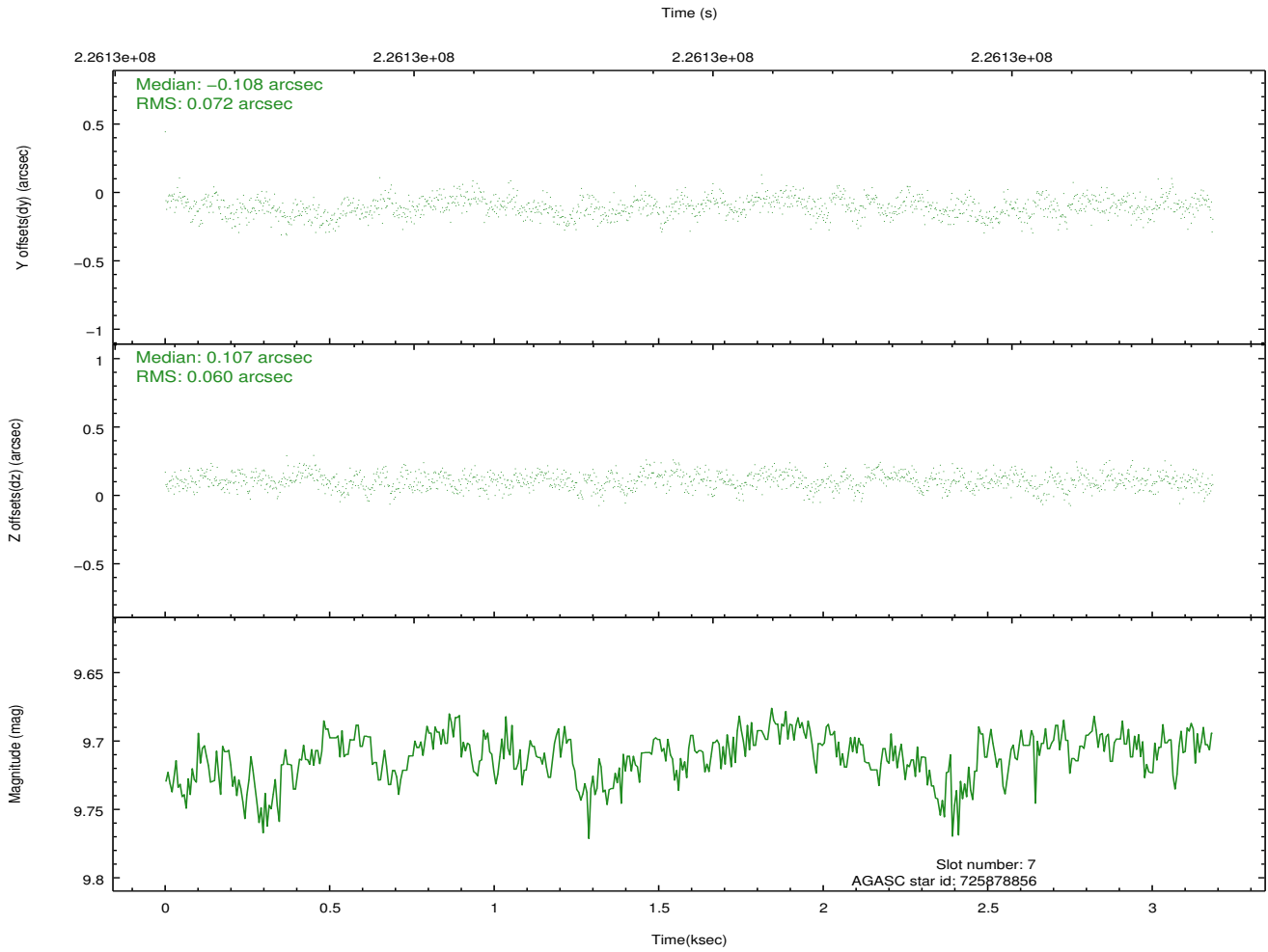
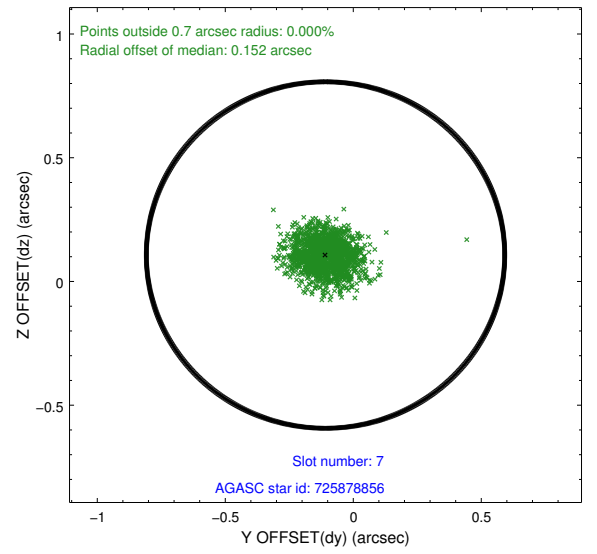
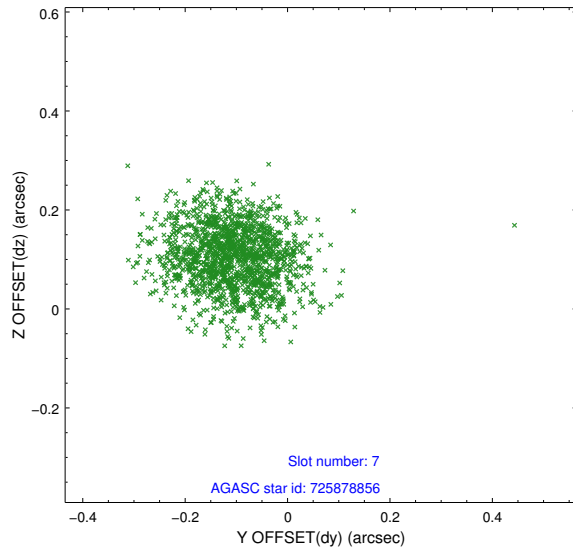
2.4.3 Slot 5



2.4.4 Slot 6

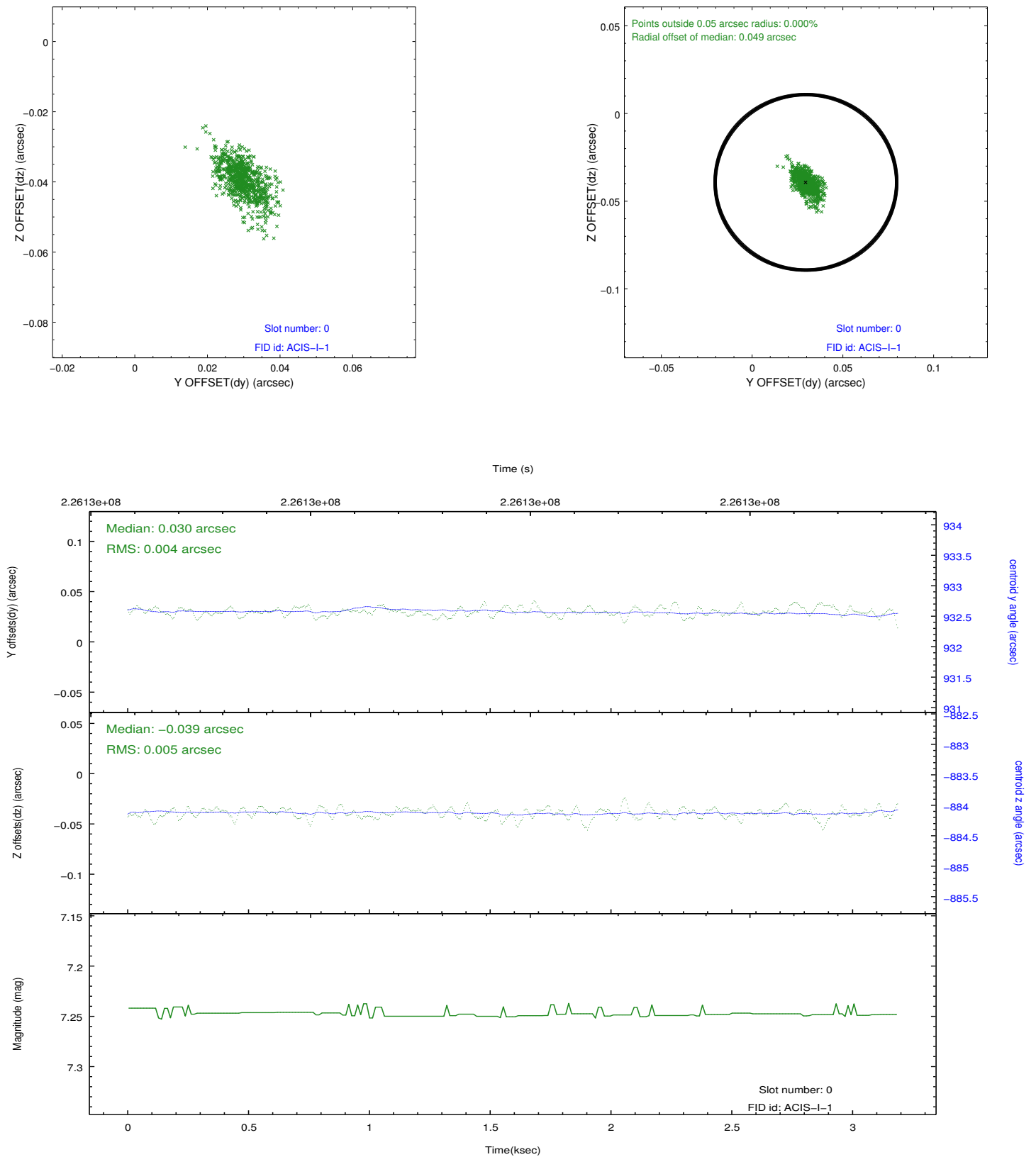


2.4.5 Slot 7

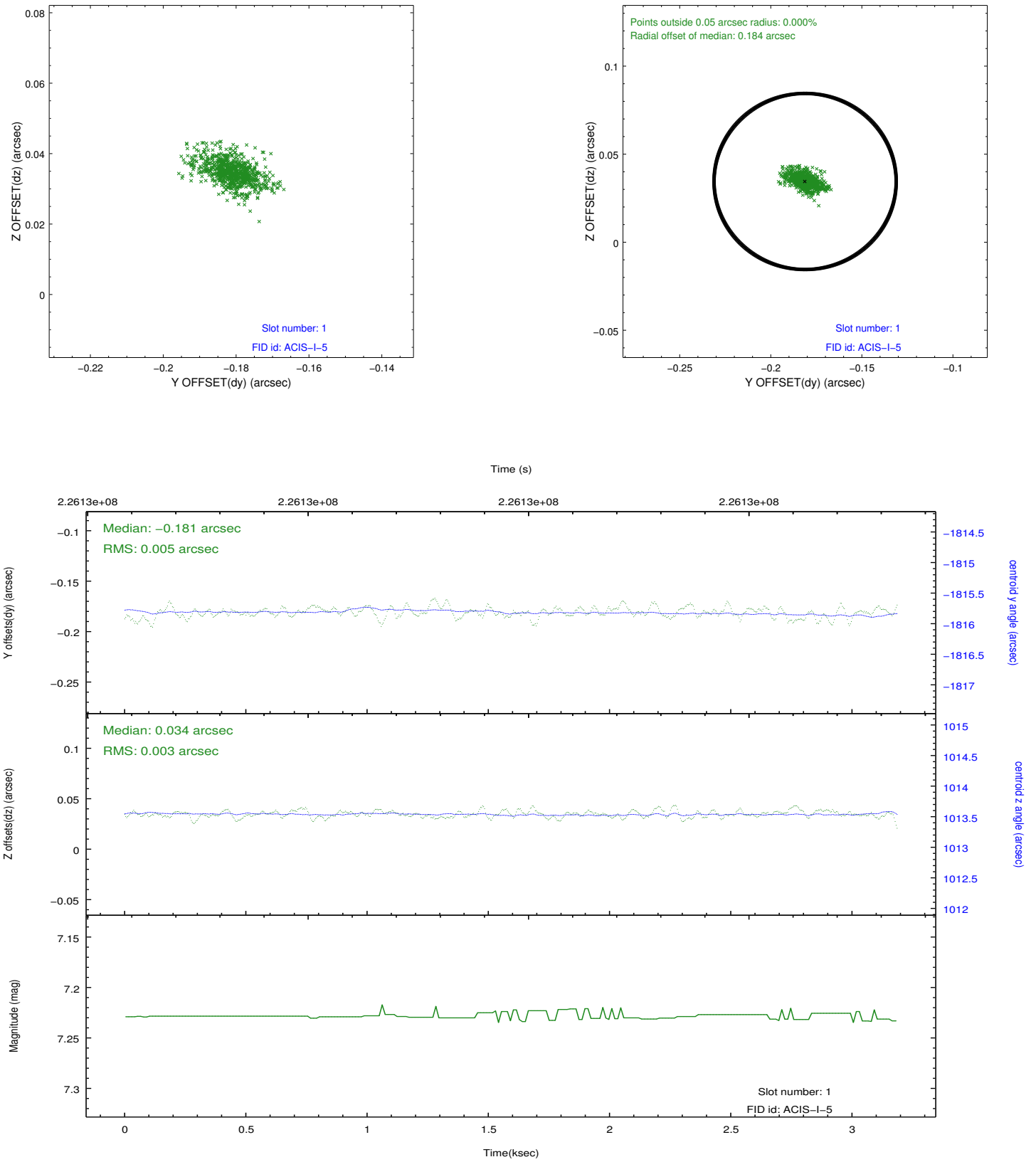


2.5 FID Slots

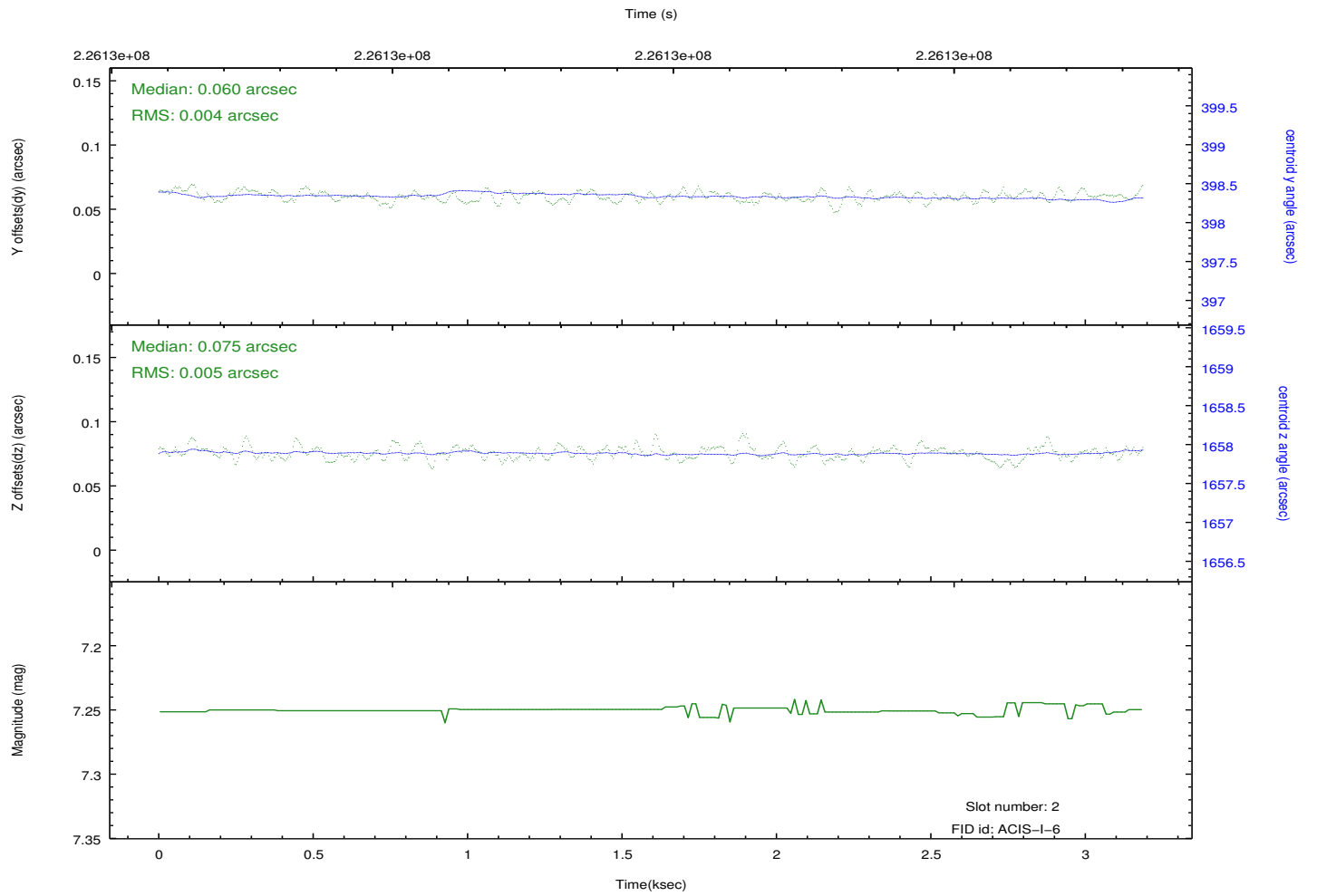
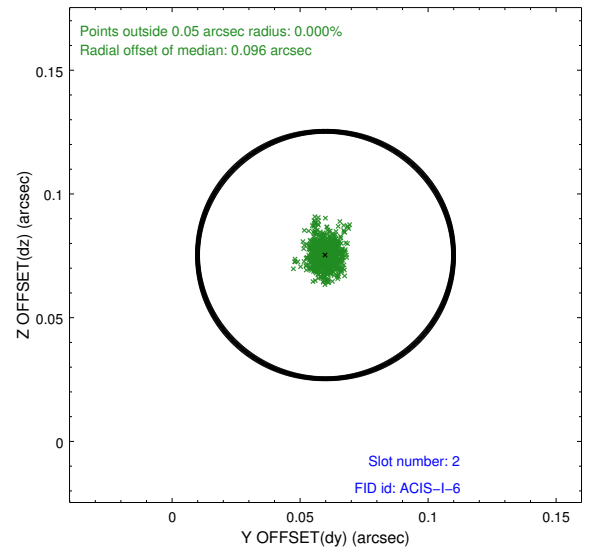
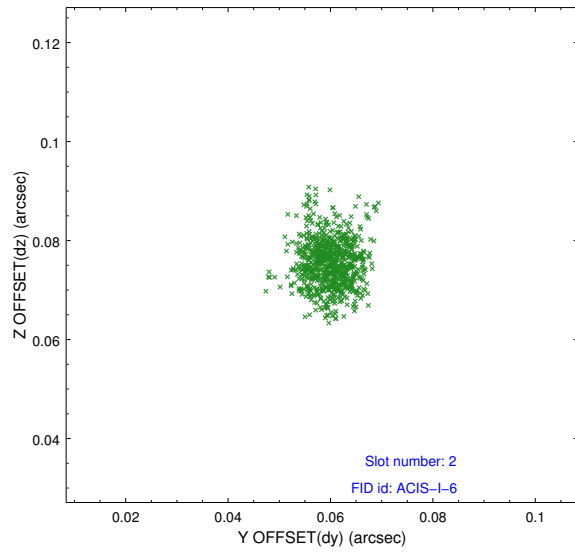
2.5.1 Slot 0



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)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.749699

A.2 Comments