

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5177 - L2 Version 3
Chandra X-Ray Center

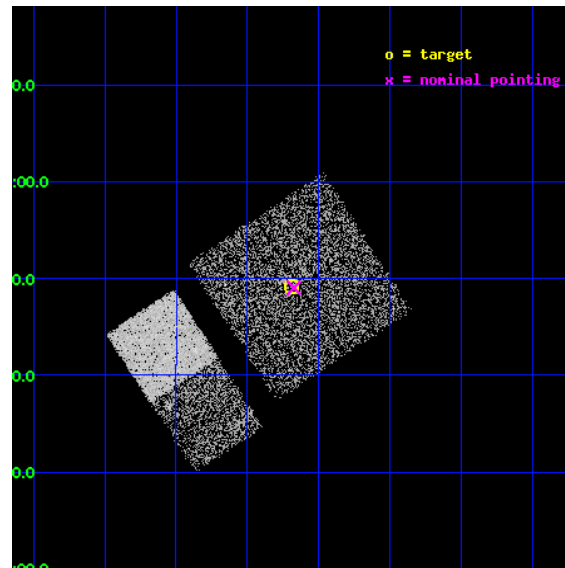
L2 Processing Date : Dec 2 2012

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

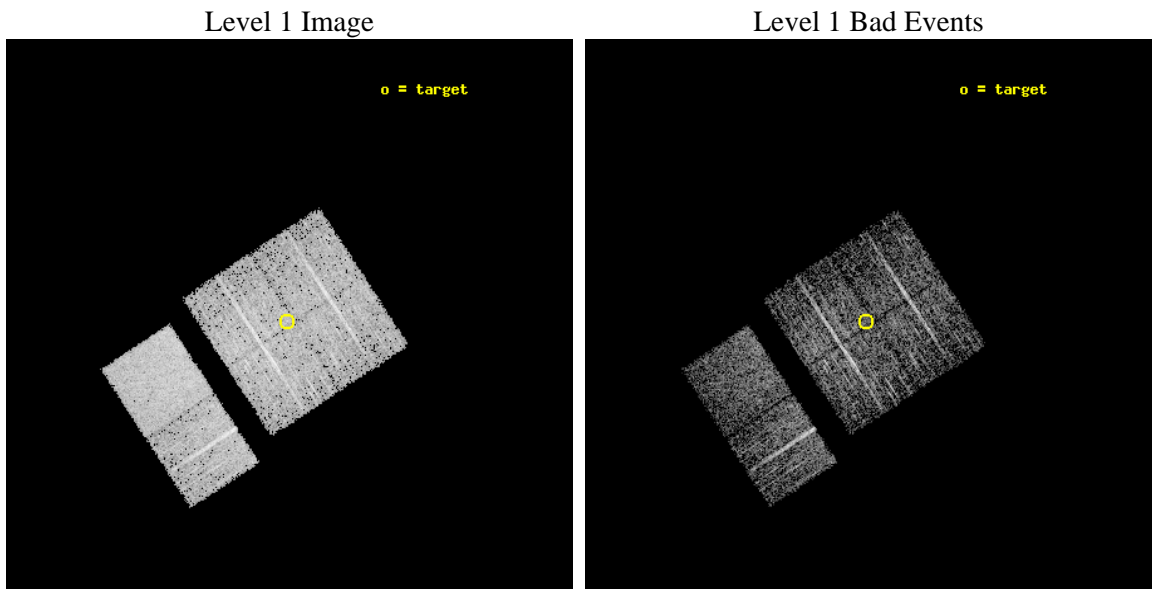
seq_num	200285	Sequence number
obs_id	5177	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HR 5392	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.0475	Observer's specified target RA [deg]
dec_targ	5.82	Observer's specified target Dec [deg]
ra_nom	216.0435156316	Nominal RA [deg]
dec_nom	5.8174047636395	Nominal Dec [deg]
roll_nom	236.78050239037	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3043.1999886632	Sum of GTIs [s]
livetime	3004.6651580117	Livetime [s]
ontime0	3043.1999886632	Sum of GTIs [s]
ontime1	3043.1999886632	Sum of GTIs [s]
ontime2	3043.1999886632	Sum of GTIs [s]
ontime3	3043.1999886632	Sum of GTIs [s]
ontime6	3043.1999886632	Sum of GTIs [s]
ontime7	3043.1999886632	Sum of GTIs [s]
l2events	23741	Number of level 2 events



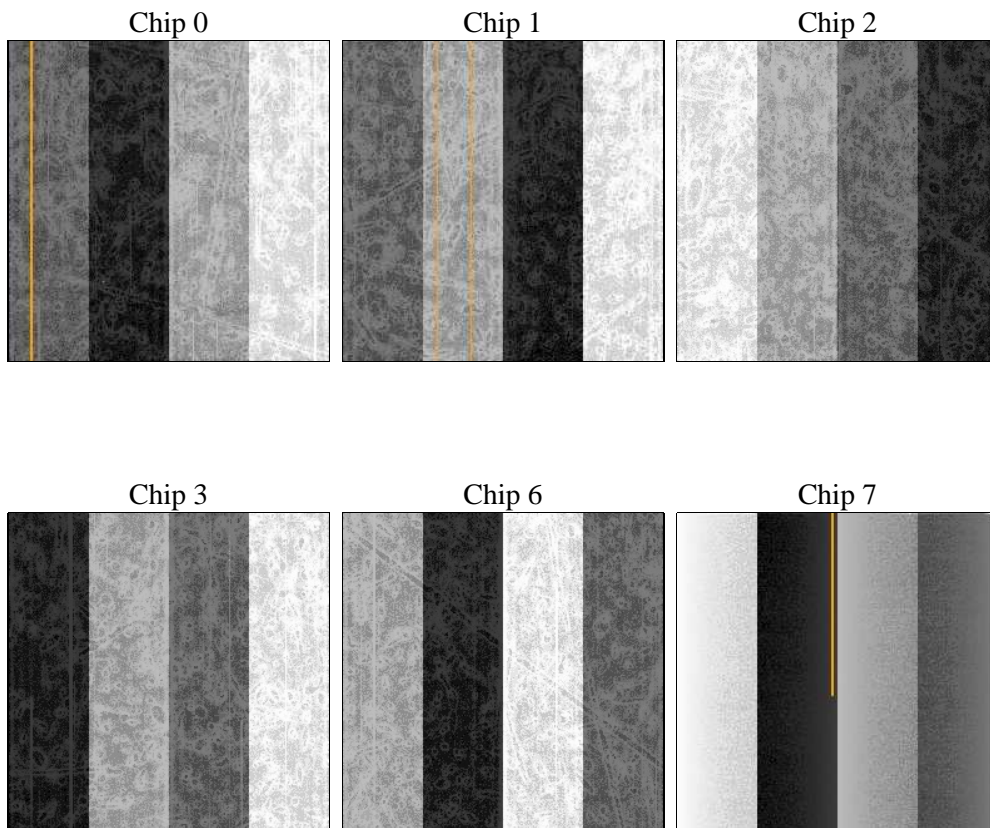
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2905.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3043.1999886632	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3043.1999886632	Sum of GTIs [s]
date	2012-12-03T01:50:21	Date and time of file creation	ontime1	3043.1999886632	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3043.1999886632	Sum of GTIs [s]
			ontime3	3043.1999886632	Sum of GTIs [s]
			ontime6	3043.1999886632	Sum of GTIs [s]
			ontime7	3043.1999886632	Sum of GTIs [s]
			l1events	149541	Number of level 1 events

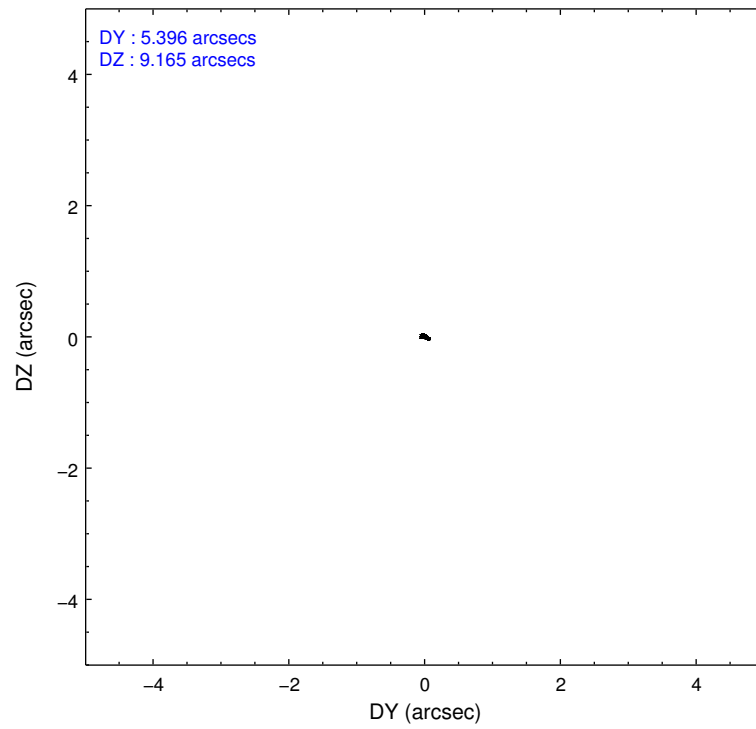
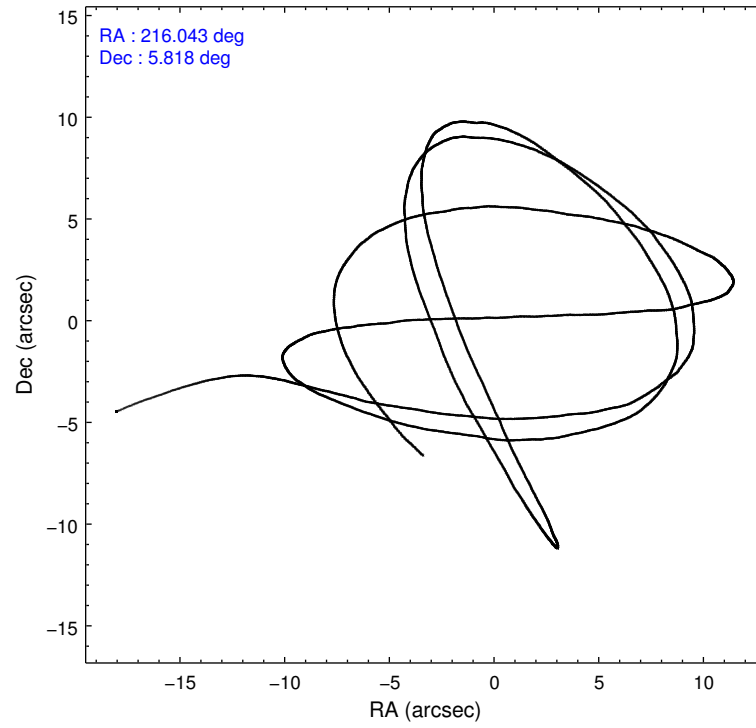
2.1.4 Events

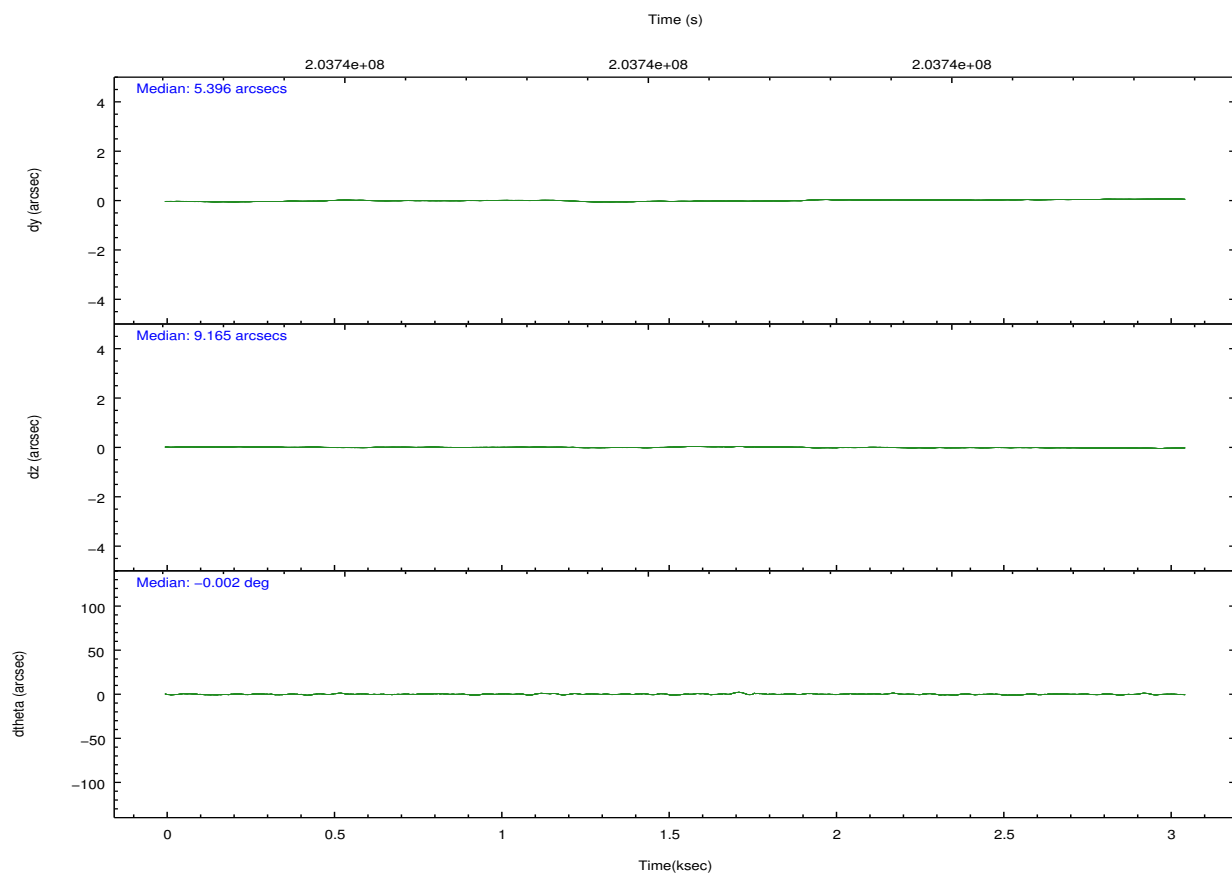
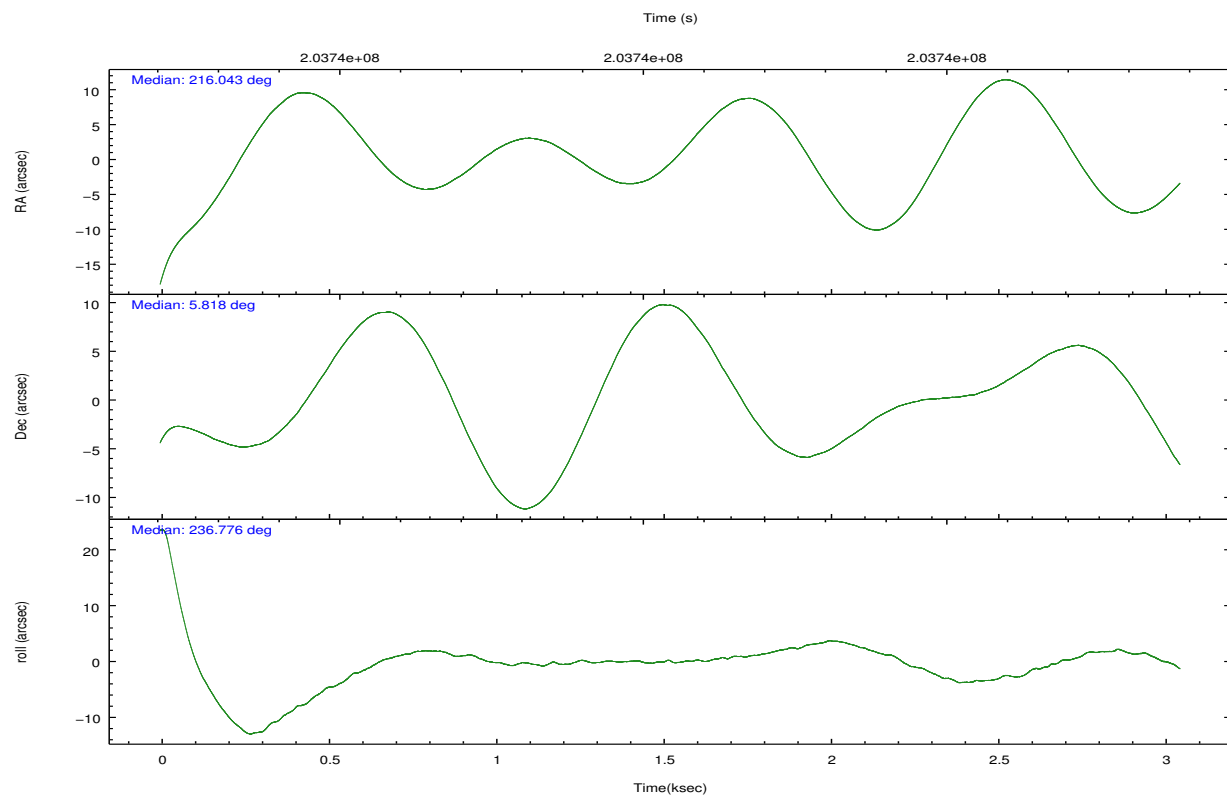
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	22055	20969	25150	24296	24580	32491	grade 0 events	1189	1167	1213	1295	1223	1222
rejected events	19420	18179	22620	21673	21778	19962		5%	5%	4%	5%	4%	3%
rejected %	88%	86%	89%	89%	88%	61%	grade 1 events	16	8	12	19	9	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	622	631	561	491	610	2655
								2%	3%	2%	2%	2%	8%
							grade 3 events	285	291	254	276	291	1188
								1%	1%	1%	1%	1%	3%
							grade 4 events	235	314	261	263	274	1230
								1%	1%	1%	1%	1%	3%
							grade 5 events	935	1071	959	1079	1095	3083
								4%	5%	3%	4%	4%	9%
							grade 6 events	490	577	444	463	602	7167
								2%	2%	1%	1%	2%	22%
							grade 7 events	18283	16910	21446	20410	20476	15919
								82%	80%	85%	84%	83%	48%

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	216.045062	216.0435156315968	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.844768	5.817404763639539	Alternating exposures requested	N	N
[deg] Pointing Roll	236.571540	236.7805023903741	[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)	203737705.184000	203736547.68178			
Observation start date	2004-06-16T01:47:21	2004-06-16T01:29:07			
[s] Observation end time (MET)	203740610.184000	203742131.36953			
Observation end date	2004-06-16T02:35:46	2004-06-16T03:02:11			
Read mode	TIMED	TIMED			

2.3 Aspect



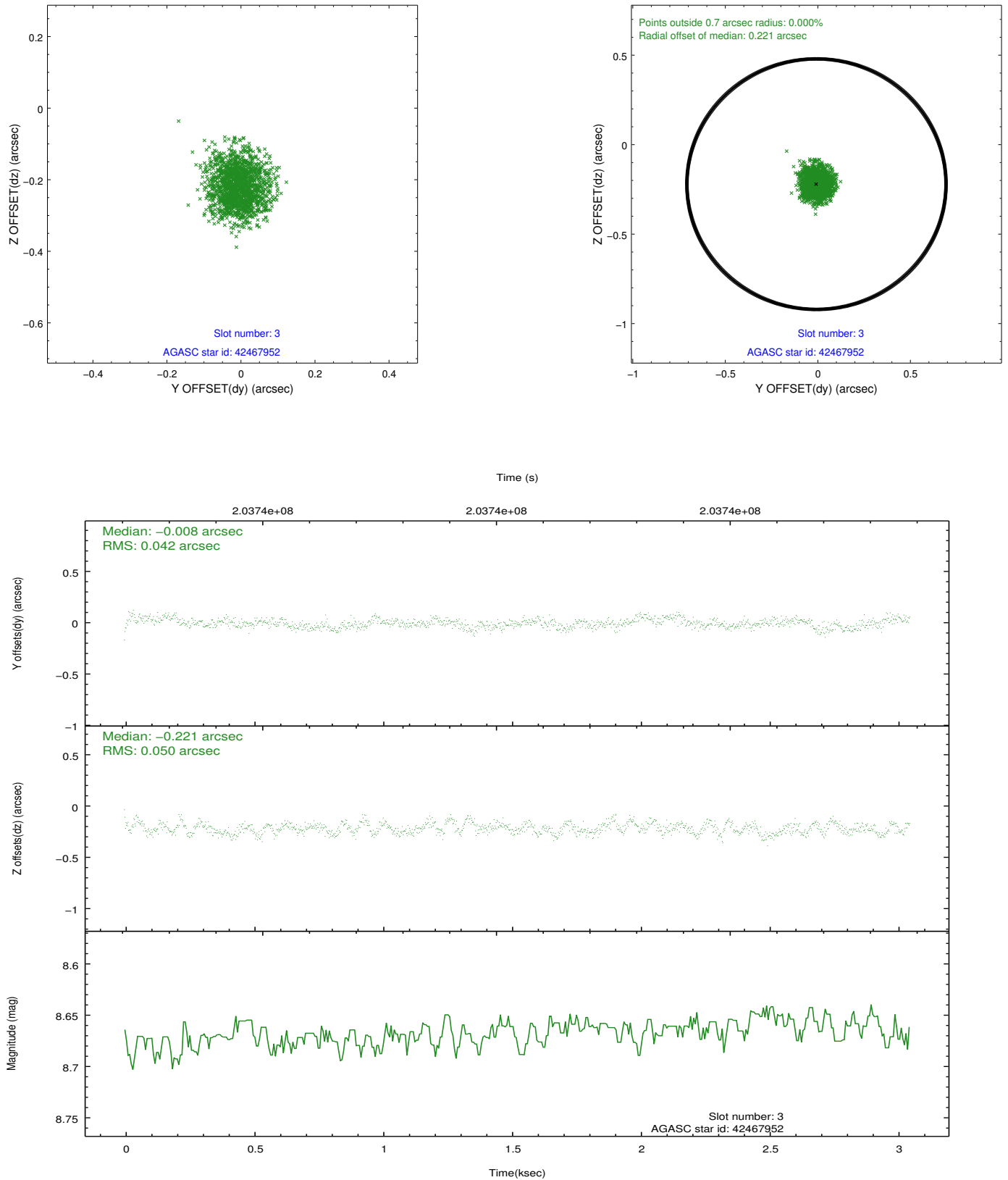


Slot Statistics

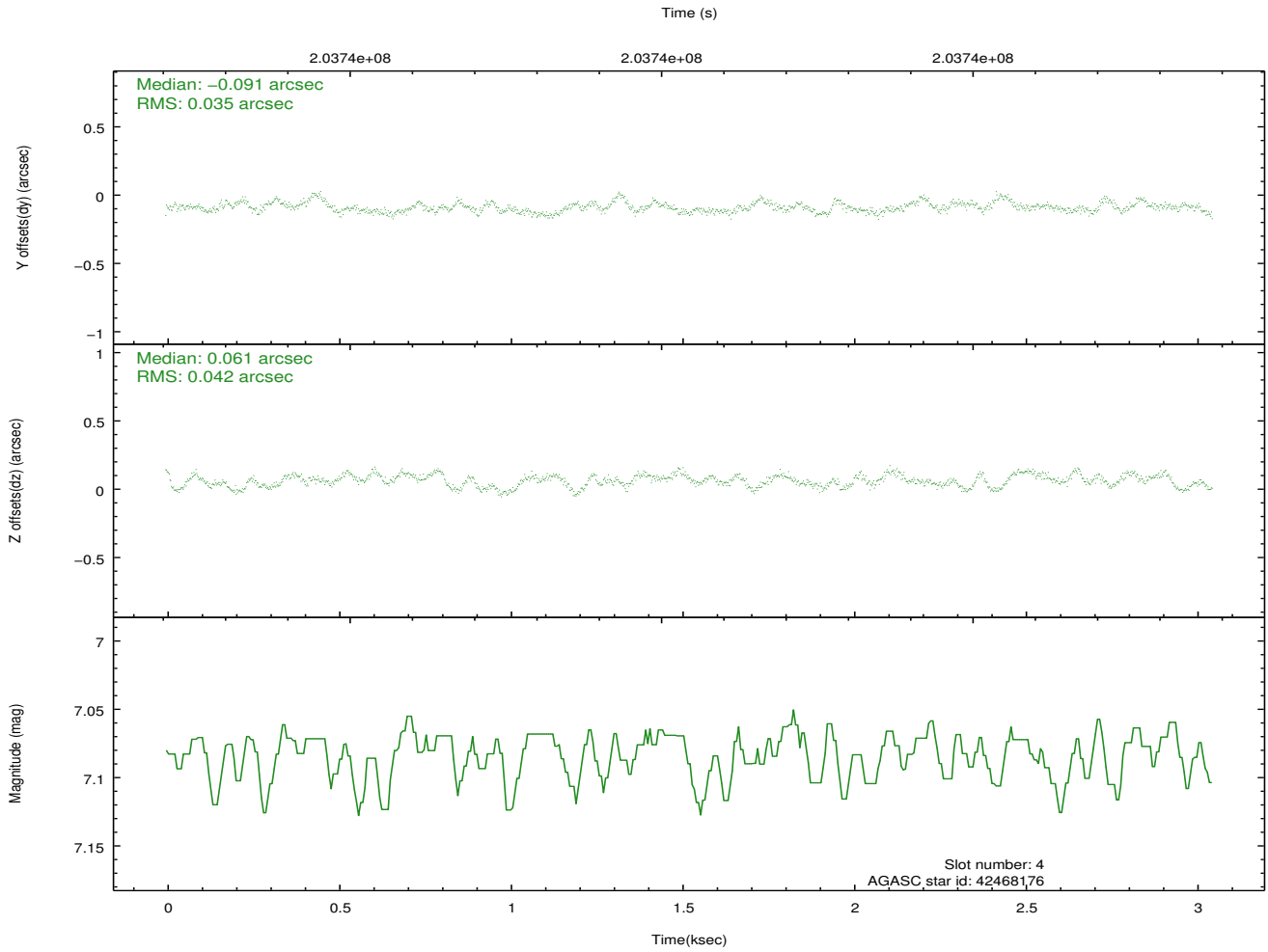
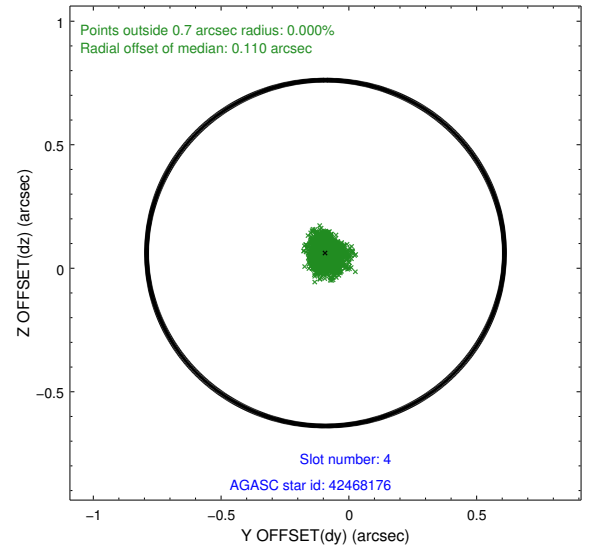
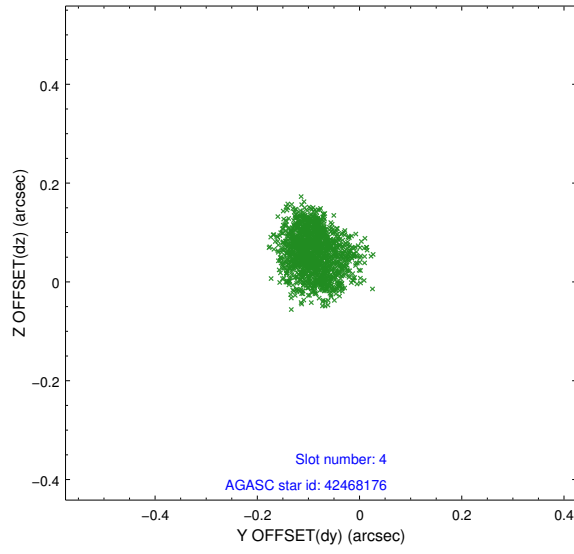
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	744	0.018	0.035	0.006	0.011	0.000000	0.000000	934.35	-832.57
1	FID	ACIS-I-5	7.23	744	-0.184	0.038	0.006	0.010	0.000000	0.000000	-1812.80	1063.86
2	FID	ACIS-I-6	7.25	744	0.075	-0.002	0.007	0.011	0.000000	0.000000	397.67	1710.71
3	GUIDE	42467952	8.67	1488	-0.008	-0.221	0.071	0.111	215.893024	6.410373	-1399.52	-1575.64
4	GUIDE	42468176	7.08	1488	-0.091	0.061	0.061	0.090	216.264127	5.615328	255.87	1109.63
5	GUIDE	42475488	7.11	1488	0.201	0.184	0.058	0.092	216.675900	5.934965	-1516.16	1706.99
6	GUIDE	42475656	9.25	1488	-0.116	-0.129	0.092	0.155	216.292958	6.120812	-1319.29	194.62
7	GUIDE	42478872	7.10	1487	0.019	0.100	0.056	0.096	216.002935	5.822971	147.89	-82.11

2.4 Star Slots

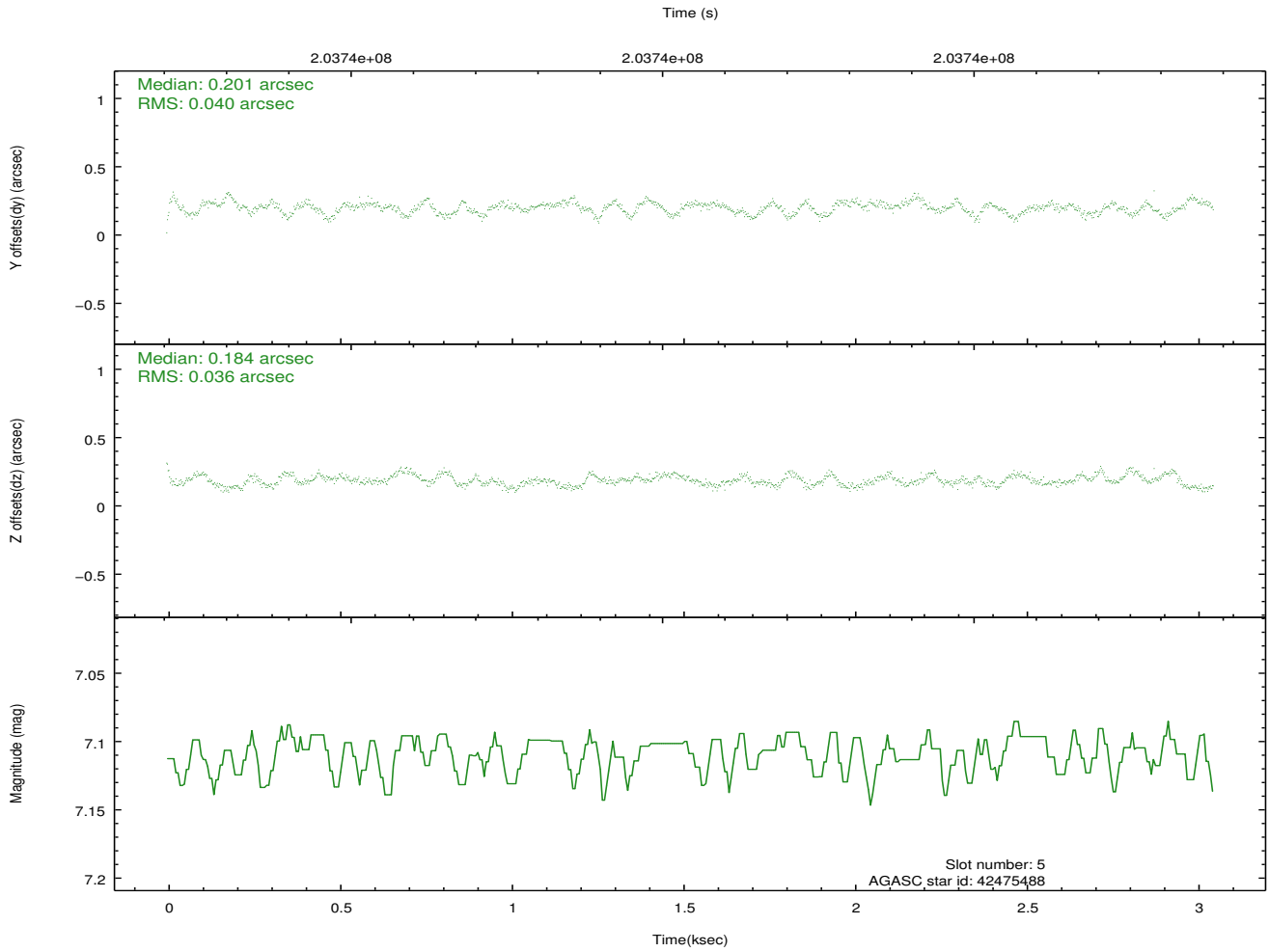
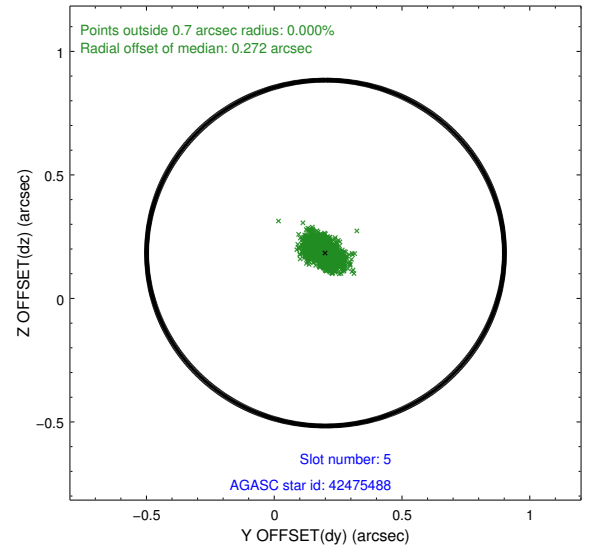
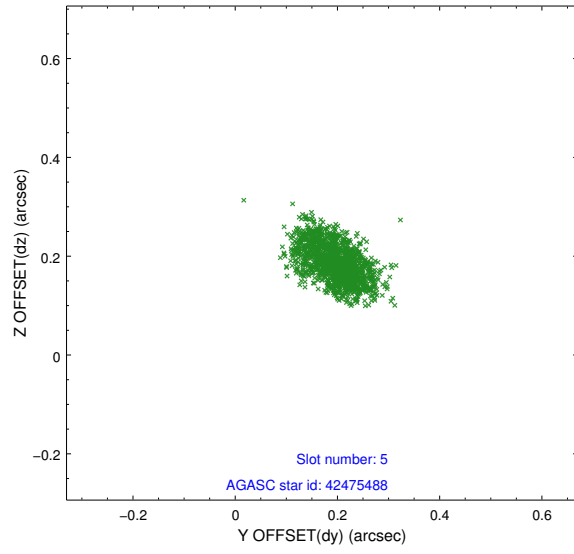
2.4.1 Slot 3



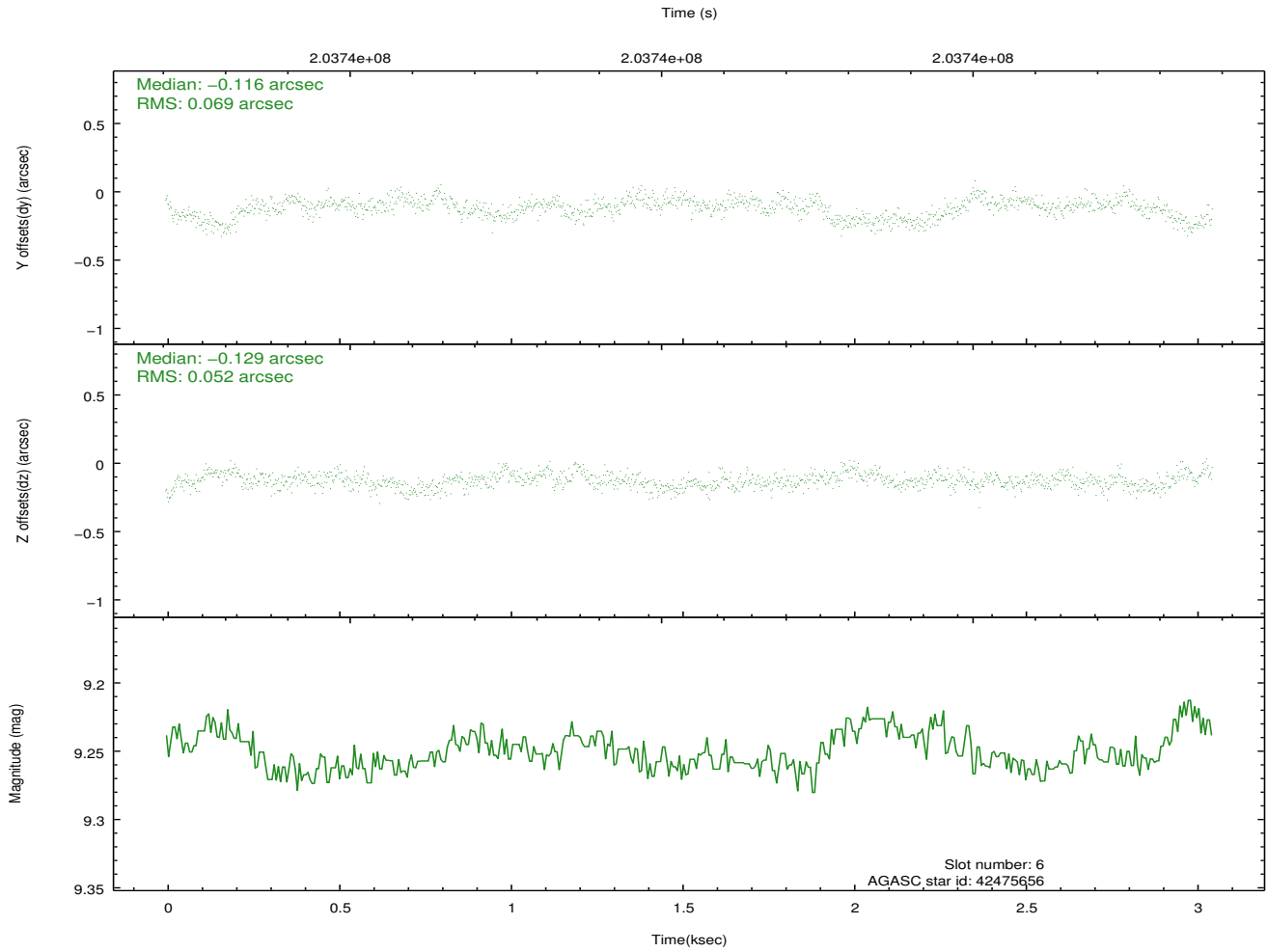
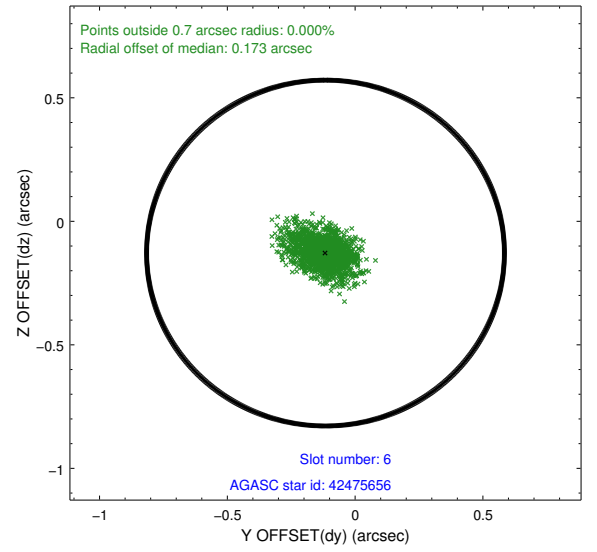
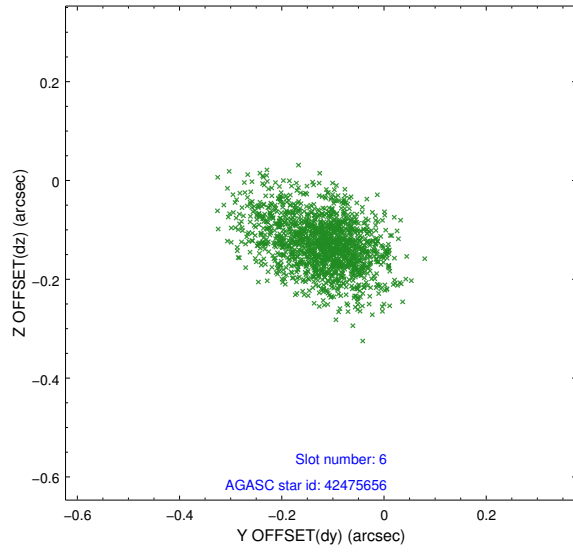
2.4.2 Slot 4



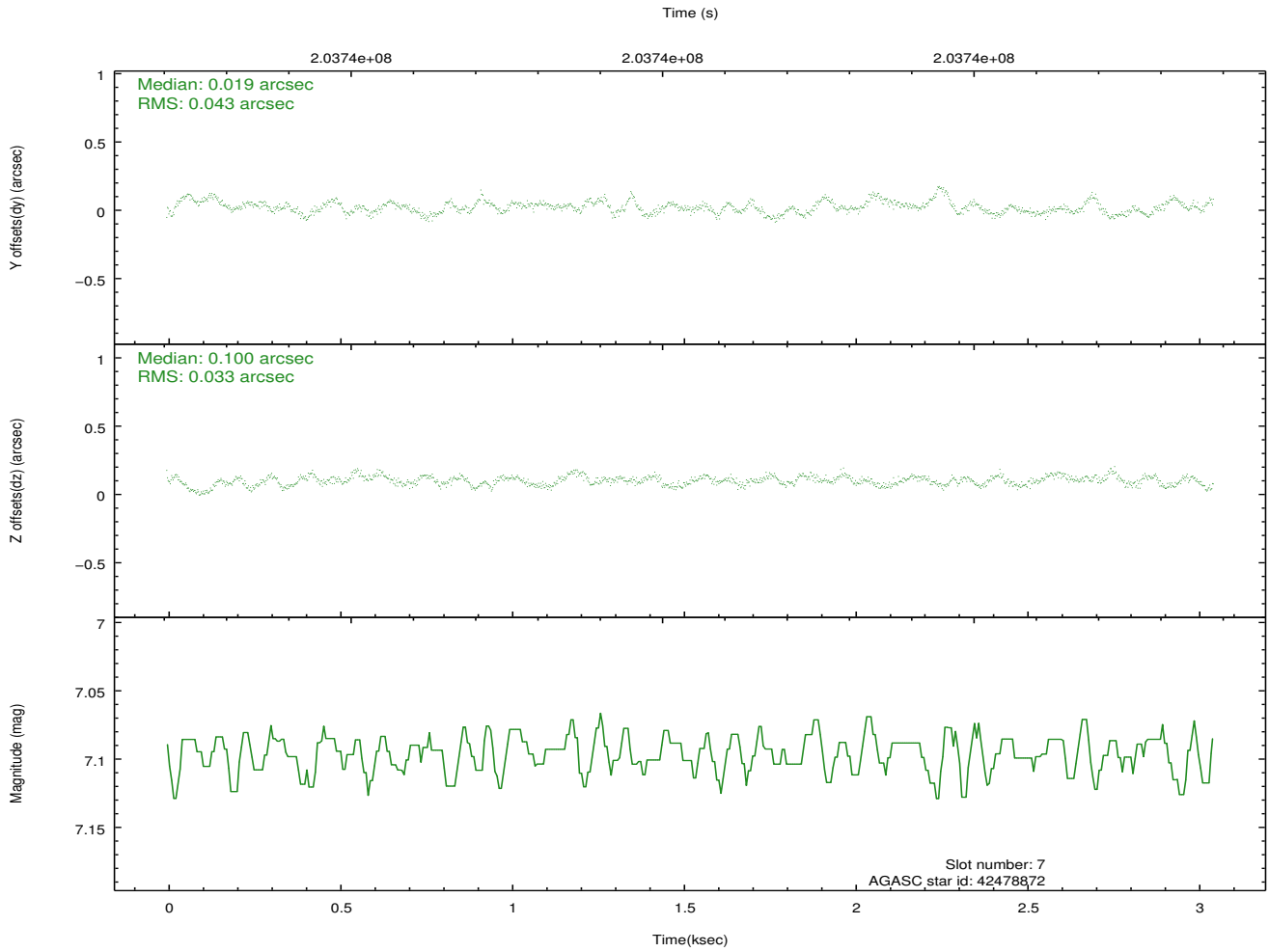
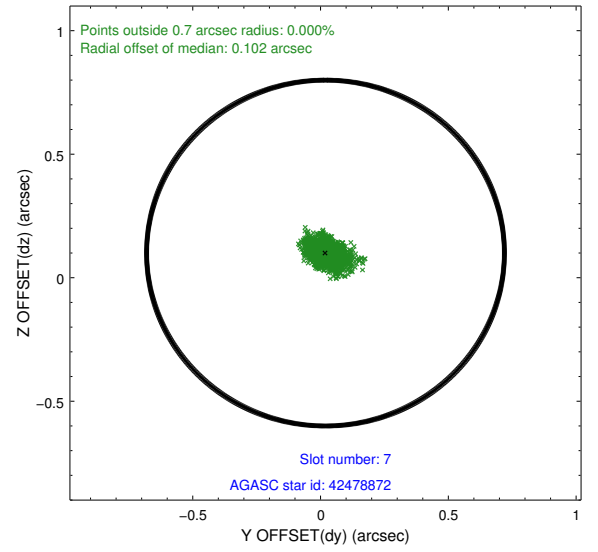
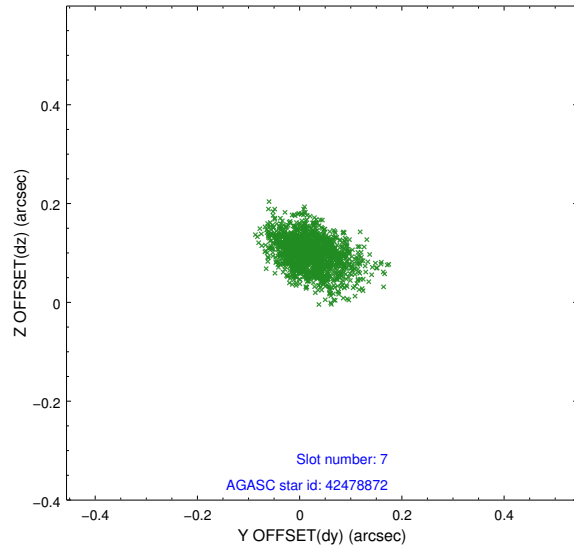
2.4.3 Slot 5



2.4.4 Slot 6

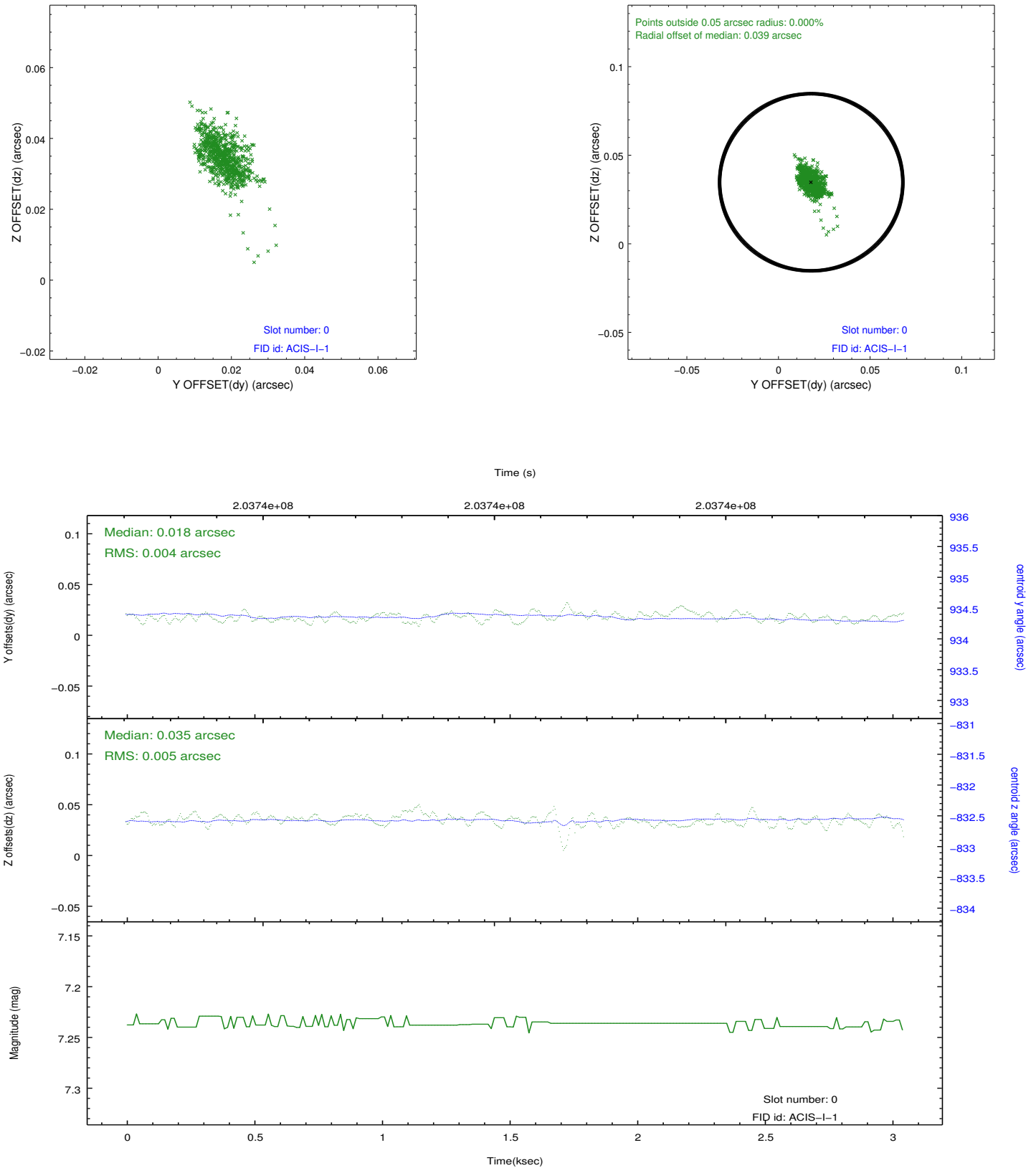


2.4.5 Slot 7

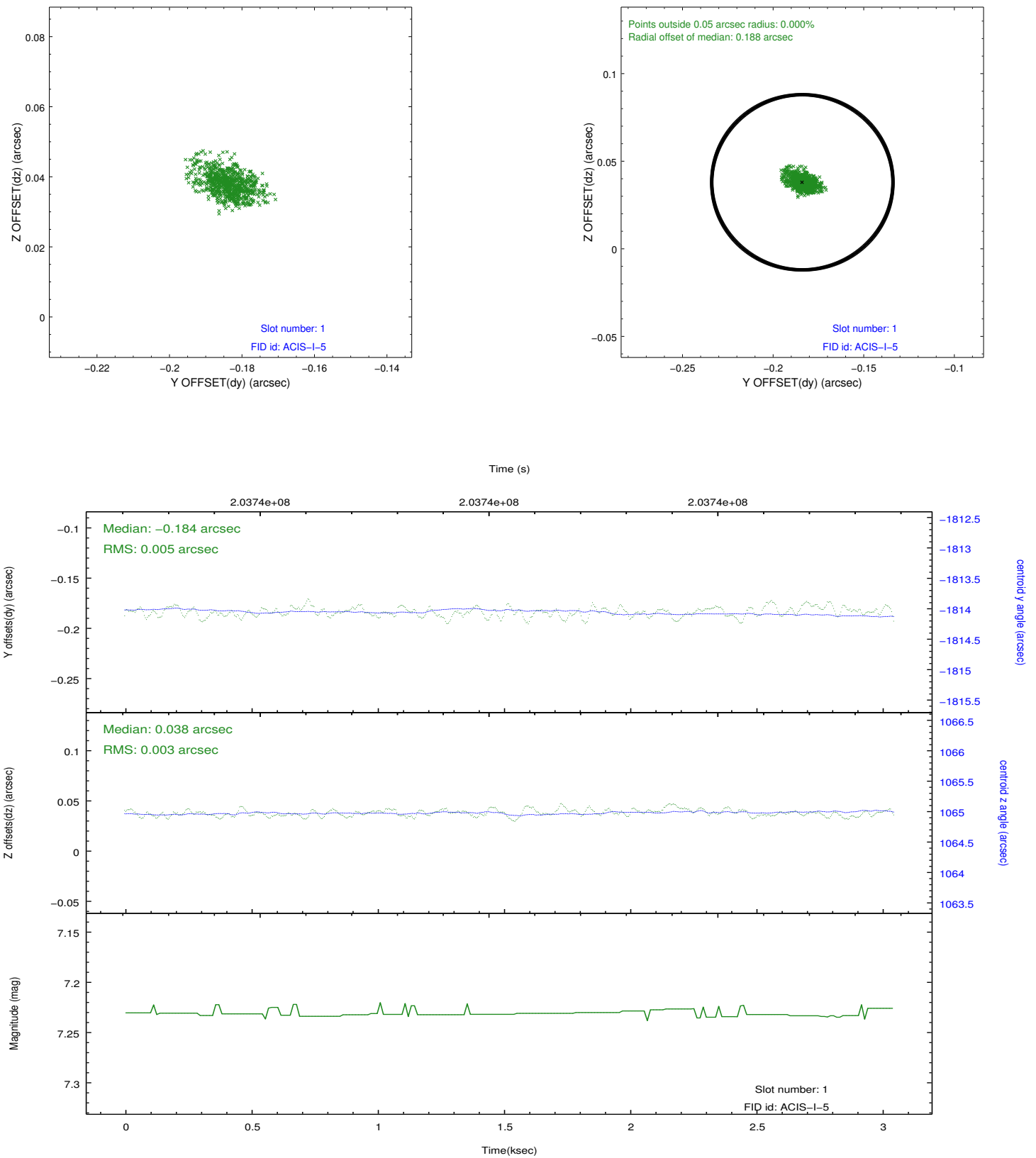


2.5 FID Slots

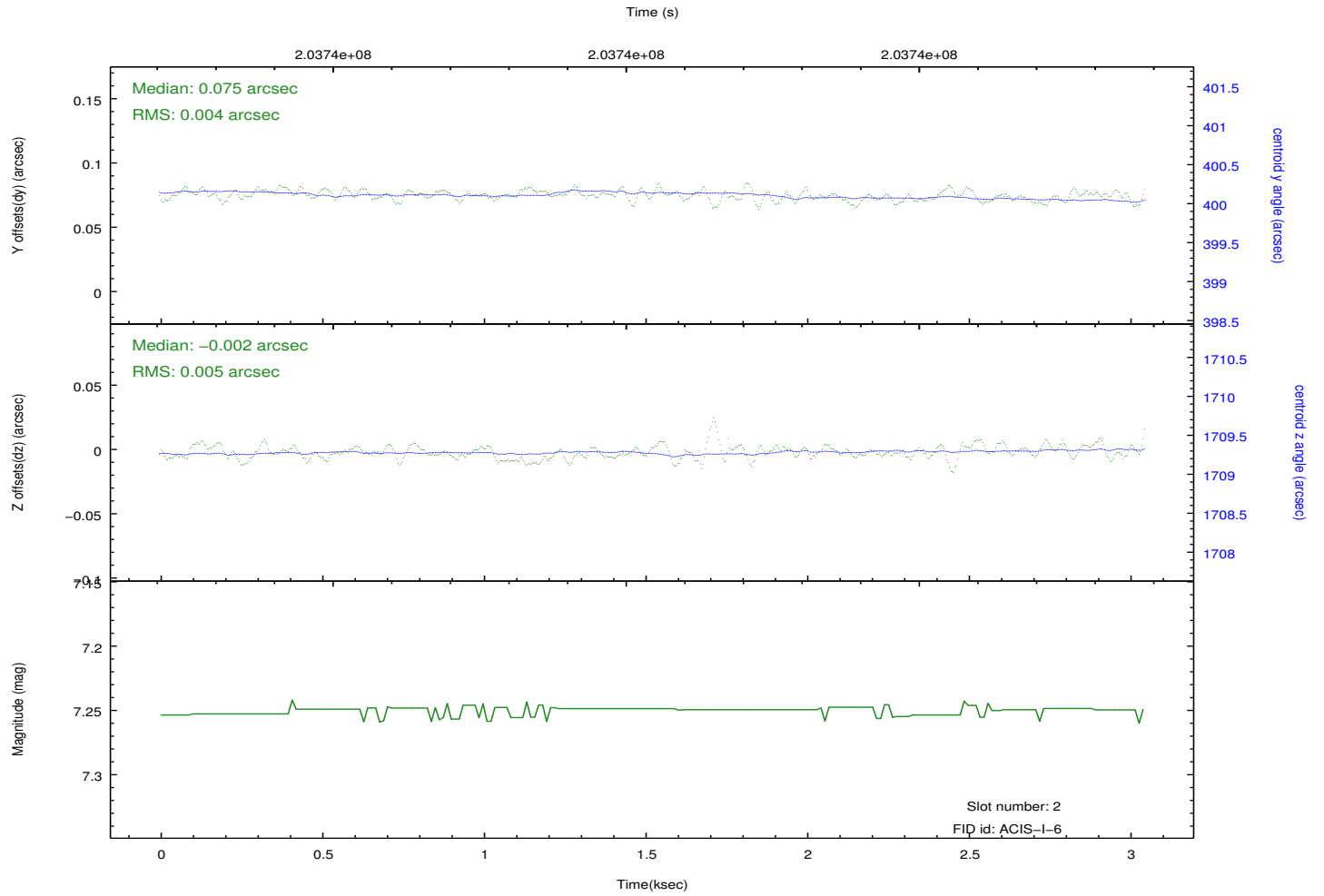
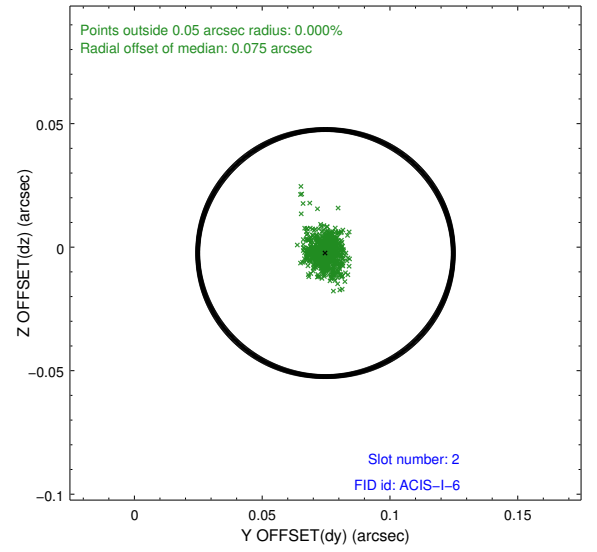
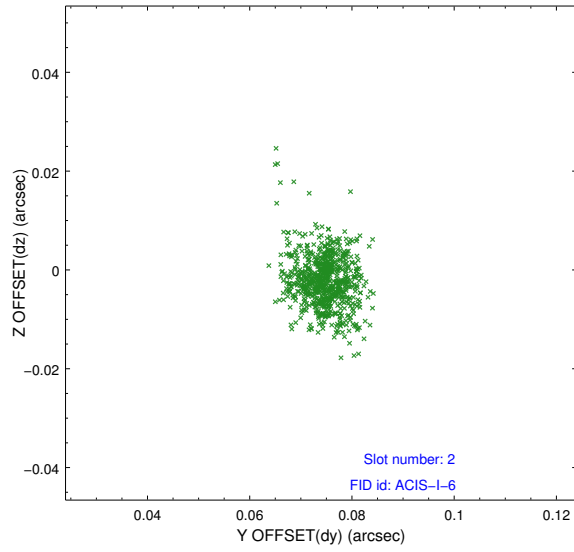
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.043

A.2 Comments