

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10386 - L2 Version 2
Chandra X-Ray Center

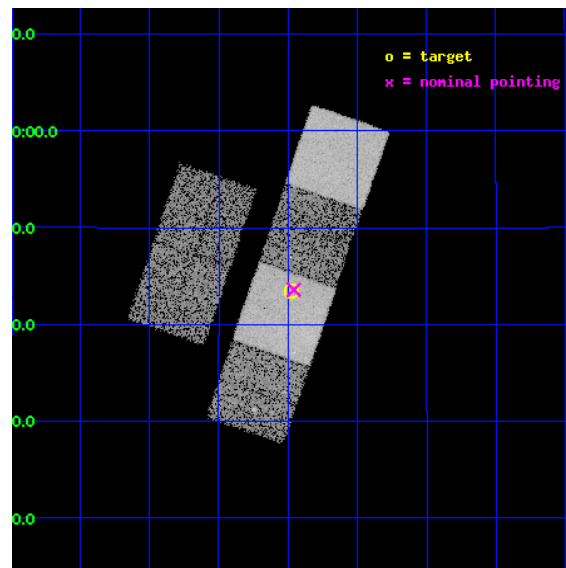
L2 Processing Date : Jun 8 2012

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

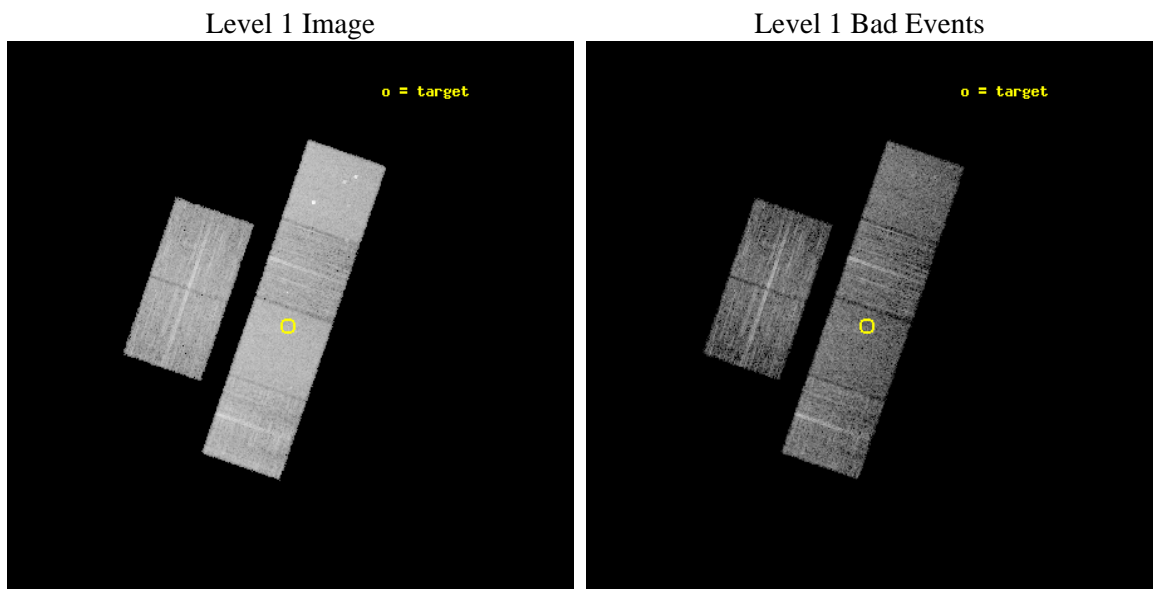
seq_num	701929	Sequence number
obs_id	10386	Observation id
title	Chandra X-ray Scrutiny of New Radio-Shy BL Lac Candidates	Proposal
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J232428.43+144324.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	351.118333	Observer's specified target RA [deg]
dec_targ	14.723444	Observer's specified target Dec [deg]
ra_nom	351.11444157389	Nominal RA [deg]
dec_nom	14.726479702655	Nominal Dec [deg]
roll_nom	108.91761740761	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5046.3999812603	Sum of GTIs [s]
livetime	4982.4994261203	Livetime [s]
ontime2	5046.3999812603	Sum of GTIs [s]
ontime3	5046.3999812603	Sum of GTIs [s]
ontime5	5046.3999812603	Sum of GTIs [s]
ontime6	5046.3999812603	Sum of GTIs [s]
ontime7	5046.3999812603	Sum of GTIs [s]
ontime8	5046.3999812603	Sum of GTIs [s]
l2events	97031	Number of level 2 events



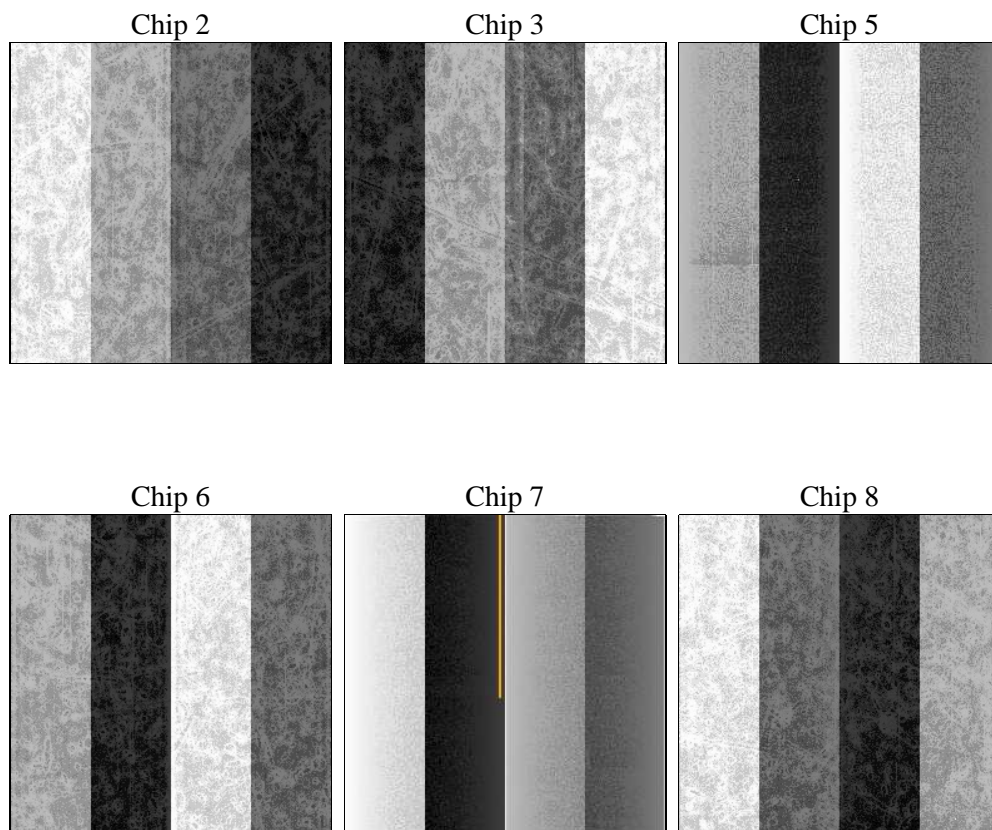
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5046.3999812603	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	5046.3999812603	Sum of GTIs [s]
date	2012-06-08T06:13:38	Date and time of file creation	ontime3	5046.3999812603	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5046.3999812603	Sum of GTIs [s]
			ontime6	5046.3999812603	Sum of GTIs [s]
			ontime7	5046.3999812603	Sum of GTIs [s]
			ontime8	5046.3999812603	Sum of GTIs [s]
			l1events	423512	Number of level 1 events

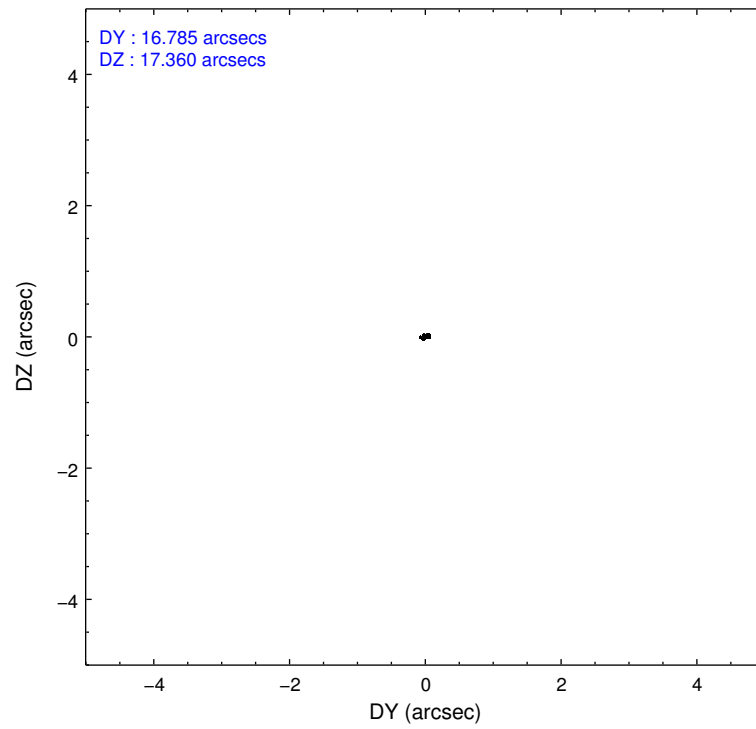
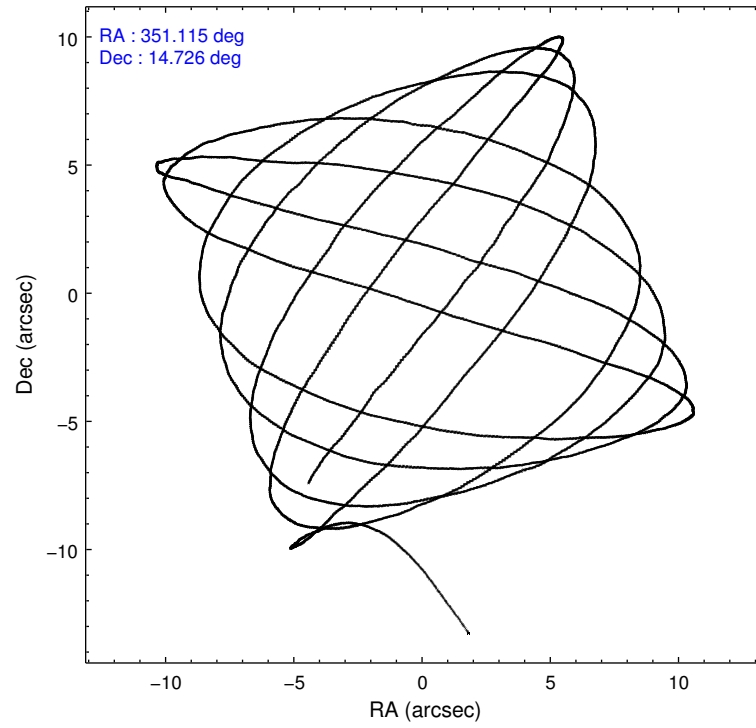
2.1.4 Events

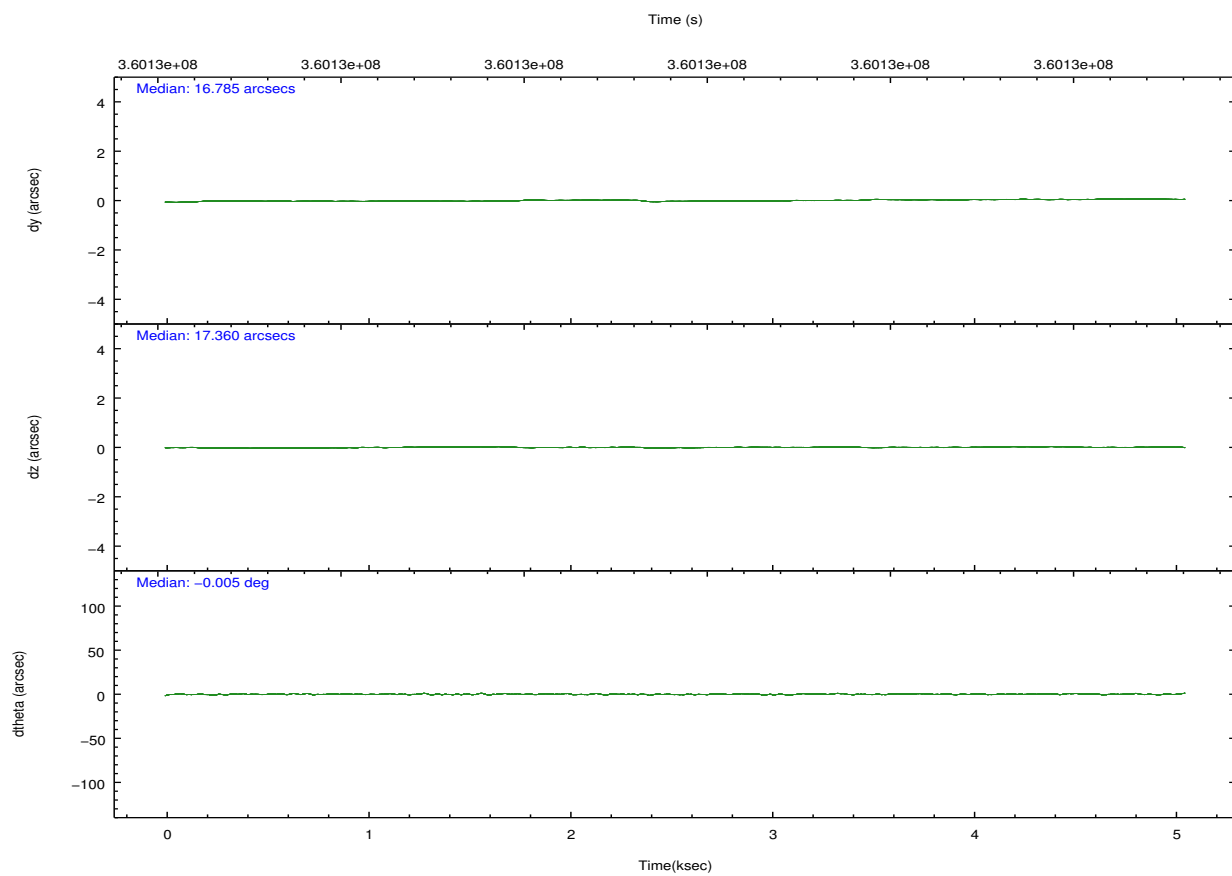
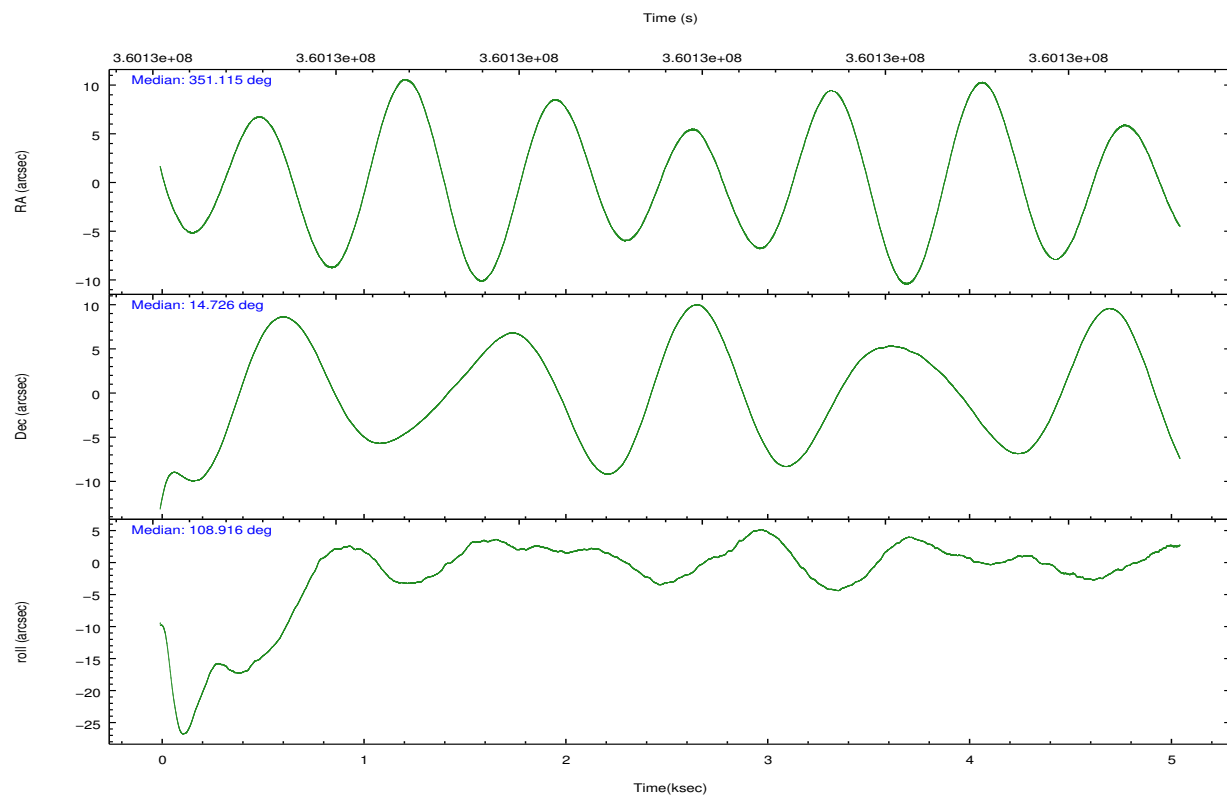
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	58479	55551	90507	57541	86114	75320	grade 0 events	3226	3208	4696	3119	4384	6367
rejected events	51907	48843	51110	50653	49860	58215		5%	5%	5%	5%	5%	8%
rejected %	88%	87%	56%	88%	57%	77%	grade 1 events	43	49	232	36	90	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1437	1378	12919	1585	8296	4018
								2%	2%	14%	2%	9%	5%
							grade 3 events	595	683	1489	648	3442	1938
								1%	1%	1%	1%	3%	2%
							grade 4 events	604	682	1450	650	3489	1718
								1%	1%	1%	1%	4%	2%
							grade 5 events	2421	2598	6335	2804	7606	3791
								4%	4%	6%	4%	8%	5%
							grade 6 events	1218	1249	21990	1427	19400	4459
								2%	2%	24%	2%	22%	5%
							grade 7 events	48935	45704	41396	47272	39407	52967
								83%	82%	45%	82%	45%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	351.136019	351.1144415738854	CCD I2 on	O1	Y
[deg] Pointing Dec	14.708840	14.72647970265457	CCD I3 on	O2	Y
[deg] Pointing Roll	108.755477	108.9176174076055	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	360127438.184000	360126173.79195	CCD S5 on	N	N
Observation start date	2009-05-31T03:22:52	2009-05-31T03:02:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	360132338.184000	360132825.52978	On-chip summing requested	N	N
Observation end date	2009-05-31T04:44:32	2009-05-31T04:53:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



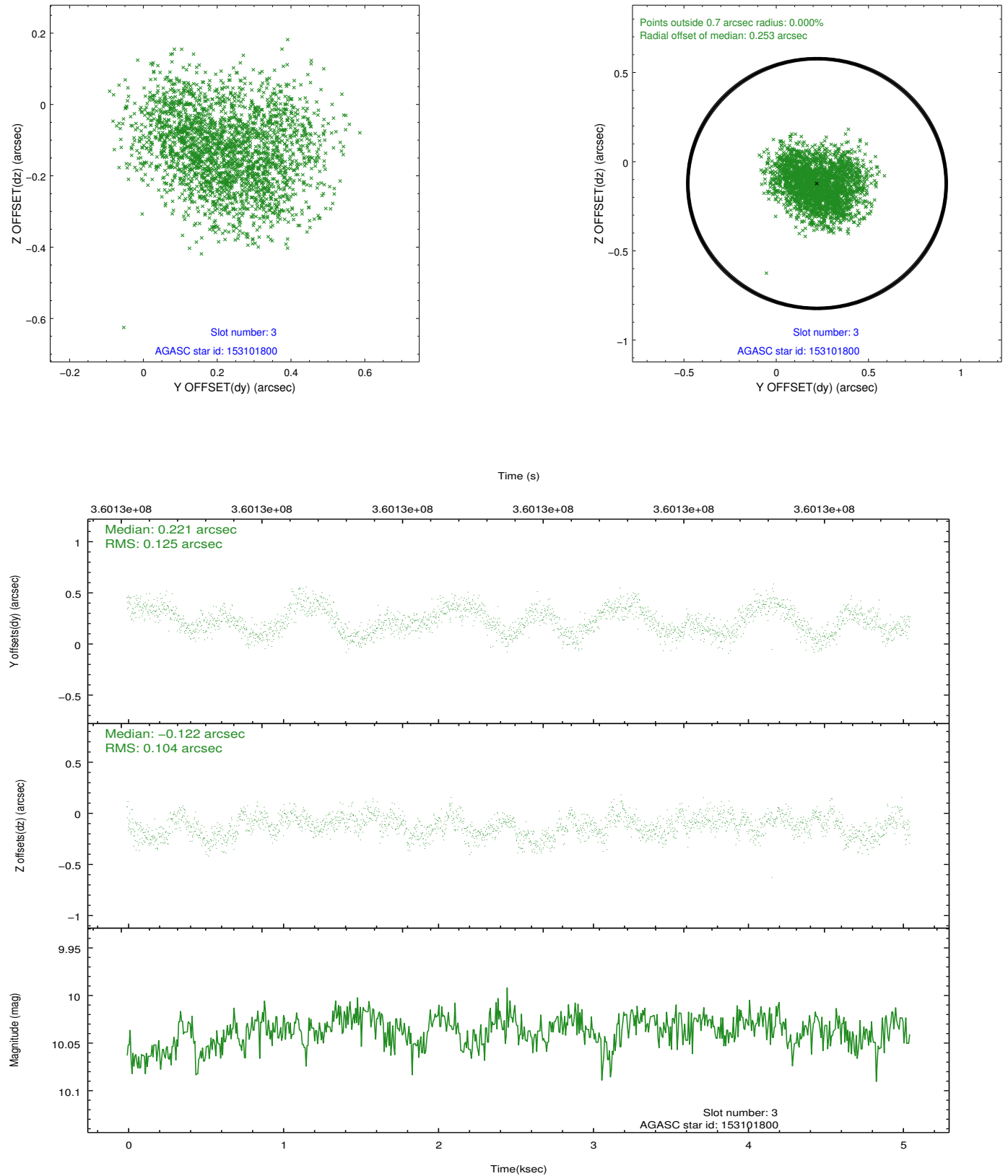


Slot Statistics

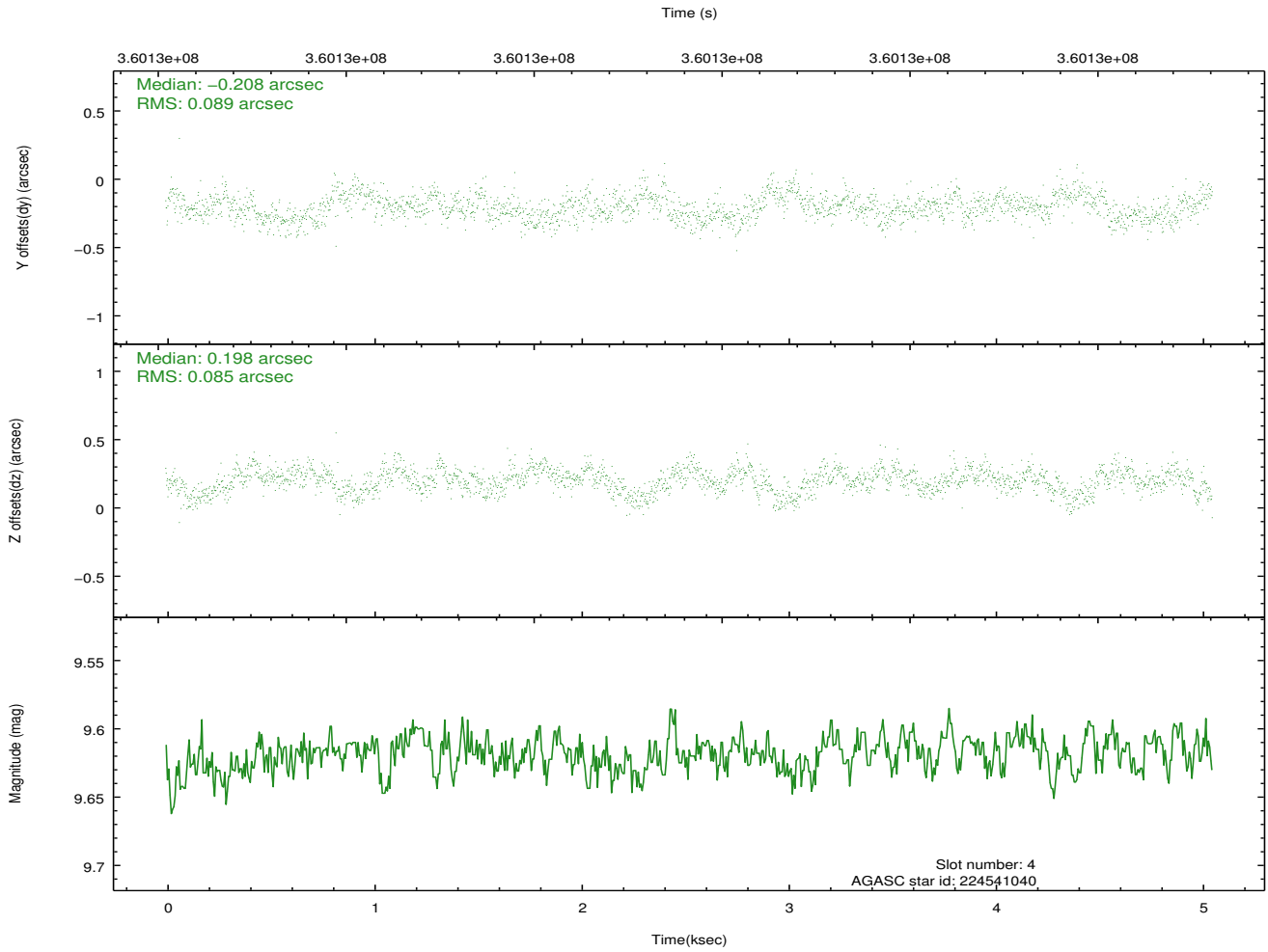
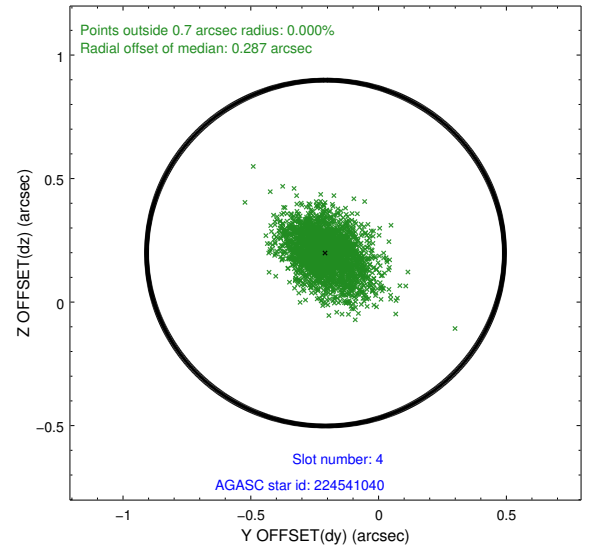
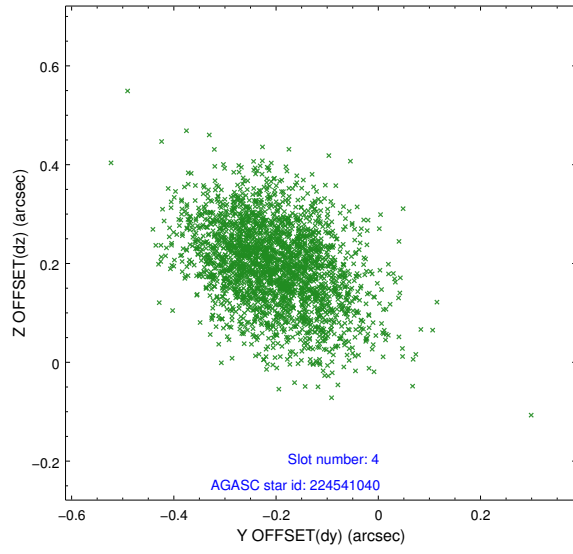
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	1232	0.106	-0.083	0.006	0.010	0.000000	0.000000	926.33	-1734.47
1	FID	ACIS-S-5	6.99	1233	-0.110	0.083	0.006	0.009	0.000000	0.000000	-1822.21	162.03
2	FID	ACIS-S-6	7.08	1233	-0.018	0.012	0.006	0.011	0.000000	0.000000	390.47	807.26
3	GUIDE	153101800	10.04	2451	0.221	-0.122	0.179	0.270	351.272700	14.304263	-1531.78	16.88
4	GUIDE	224541040	9.62	2462	-0.208	0.198	0.129	0.213	351.033442	15.347136	2289.73	-401.69
5	GUIDE	224541144	9.91	2463	-0.170	0.348	0.261	0.365	351.630209	15.273566	1376.39	-2279.02
6	GUIDE	224541336	9.57	2462	-0.225	-0.200	0.122	0.186	350.828885	15.274461	2272.54	354.20
7	GUIDE	153095944	10.30	2460	0.380	-0.249	0.188	0.297	350.899053	14.480112	-511.99	1046.80

2.4 Star Slots

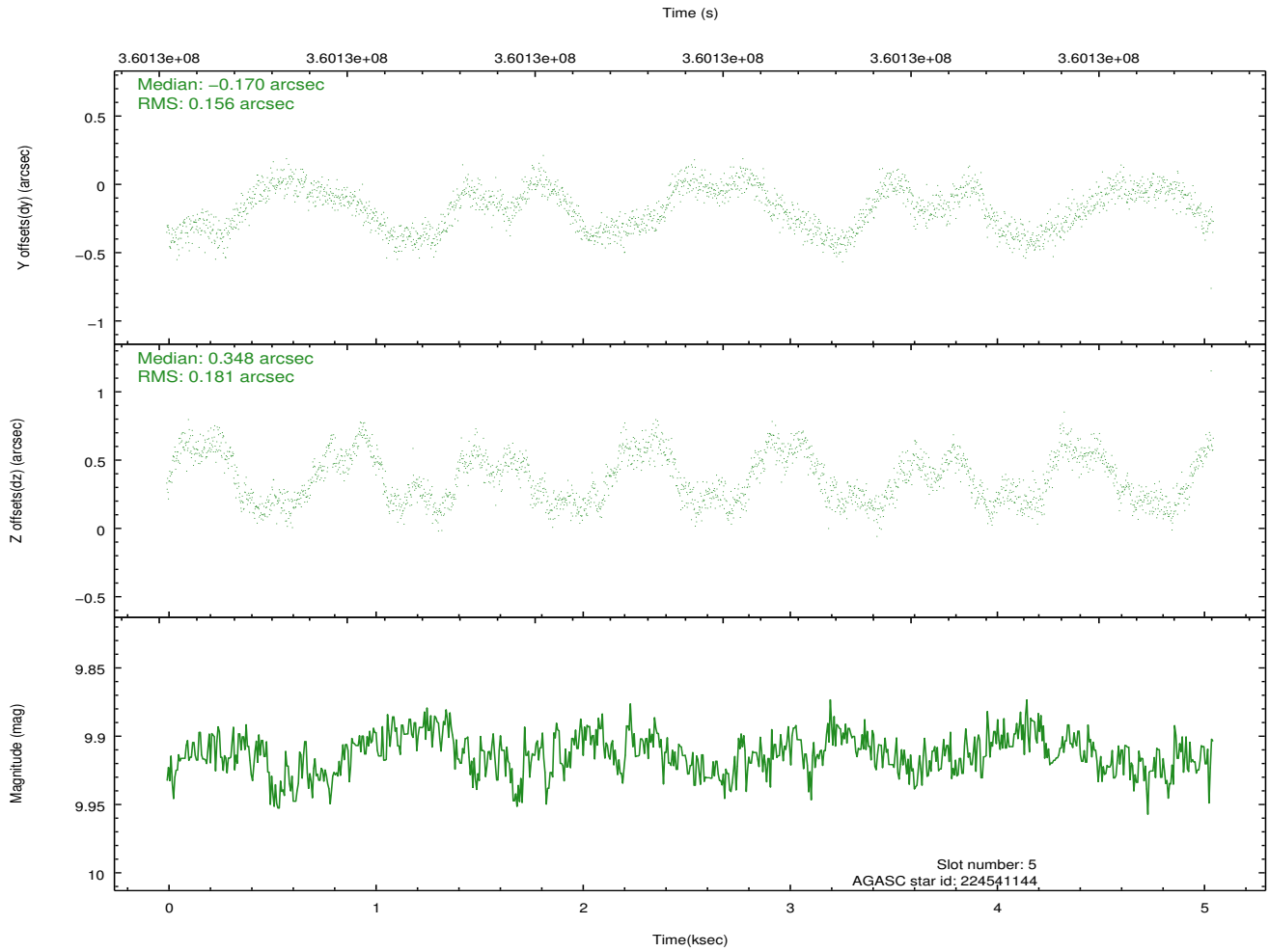
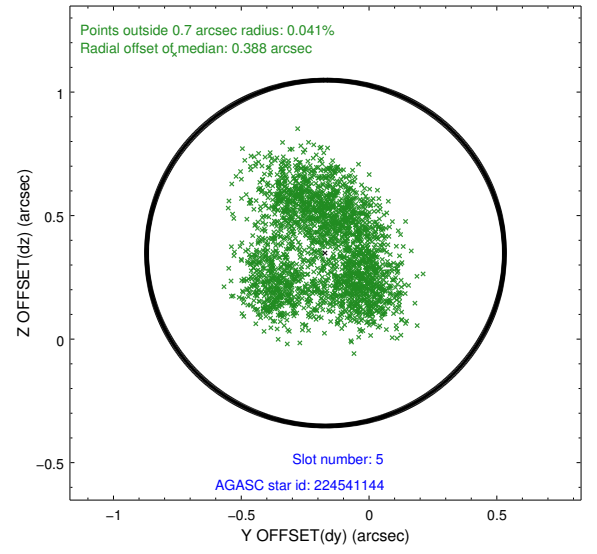
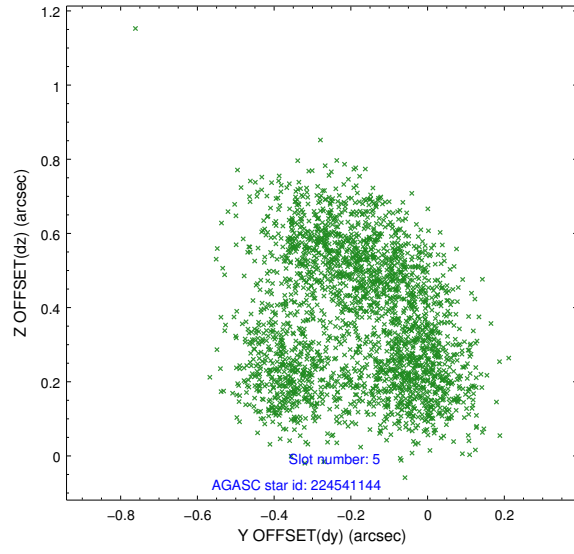
2.4.1 Slot 3



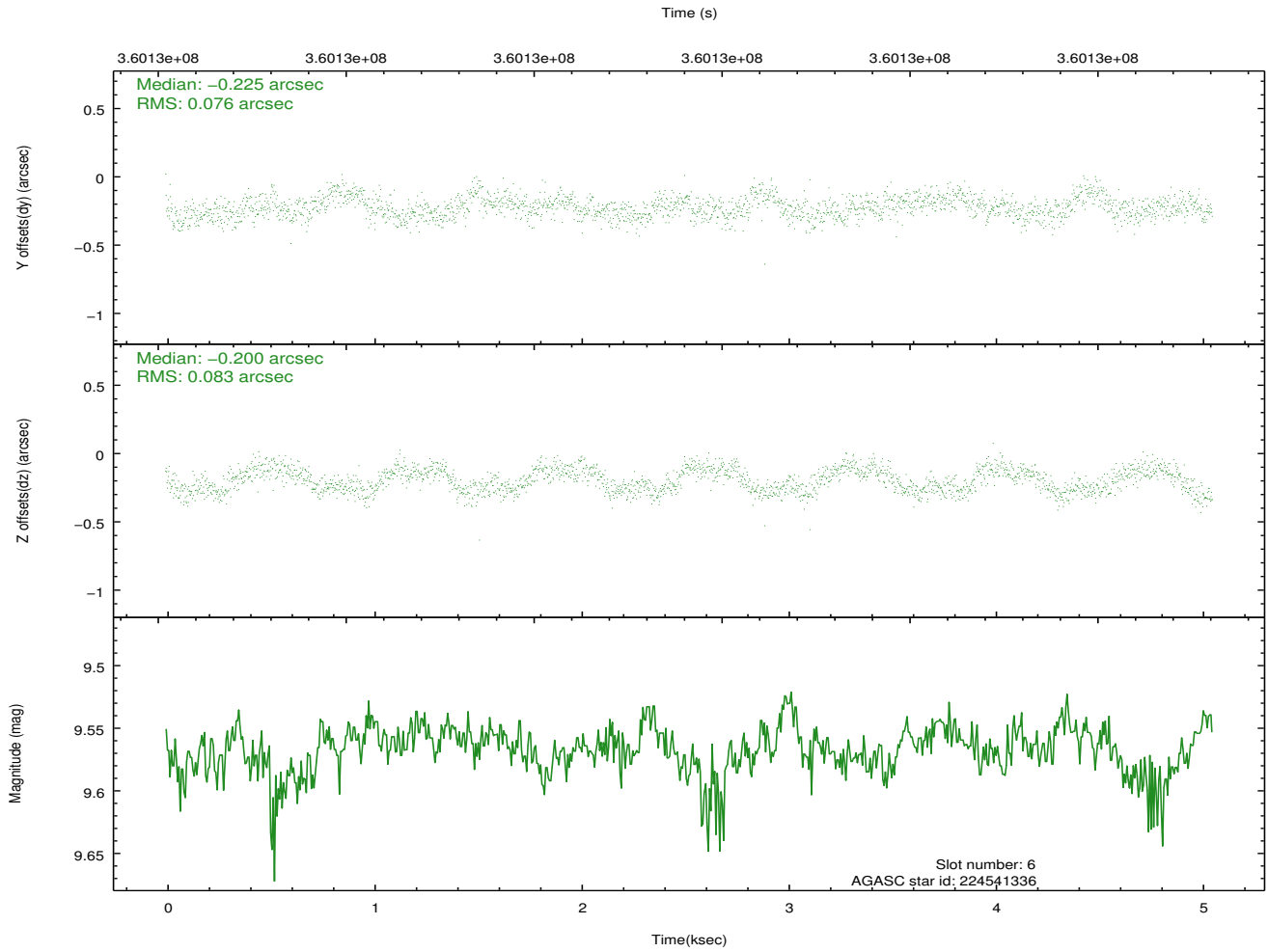
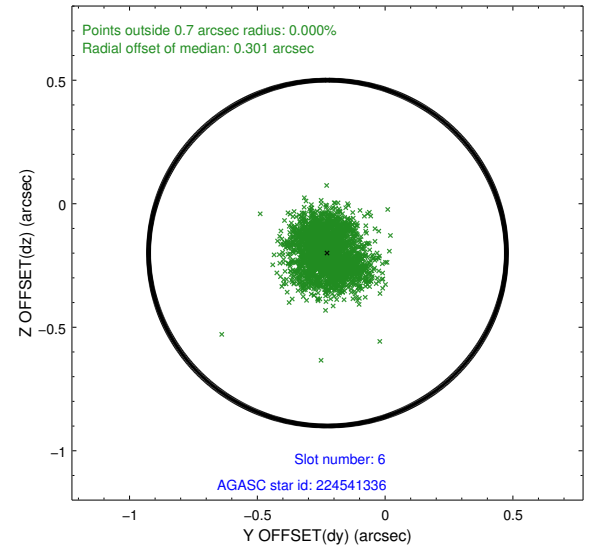
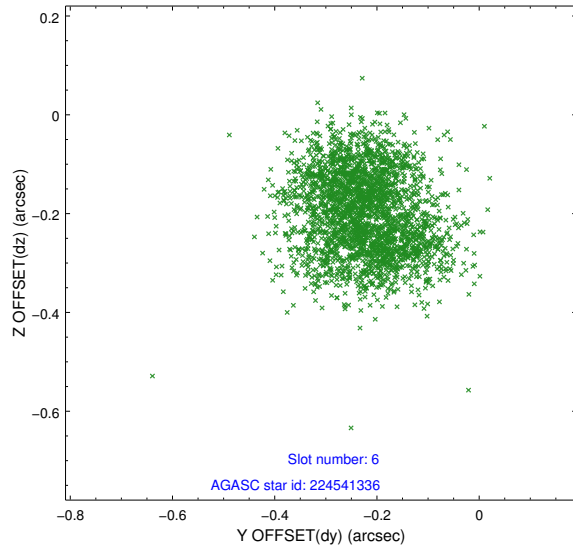
2.4.2 Slot 4



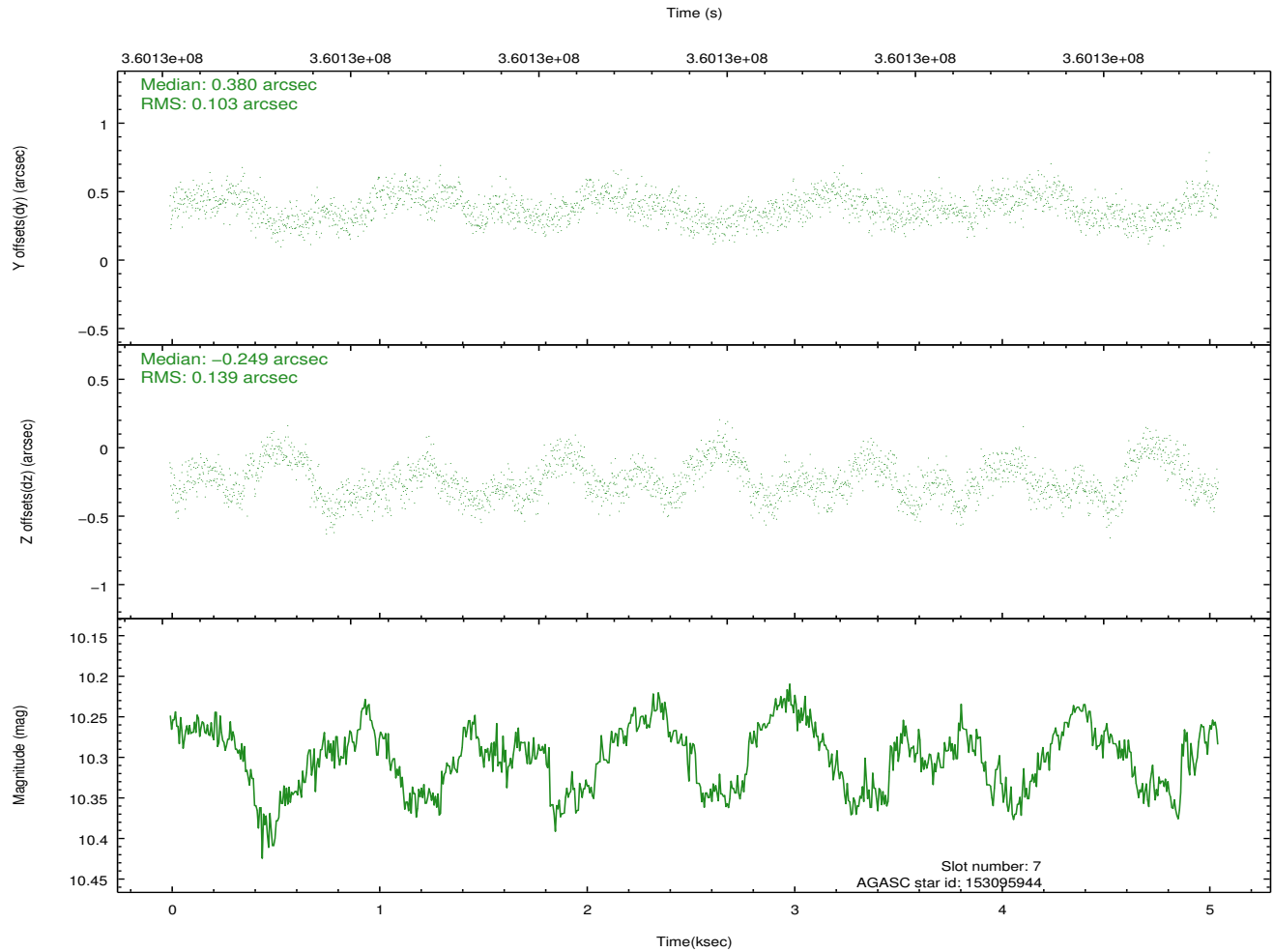
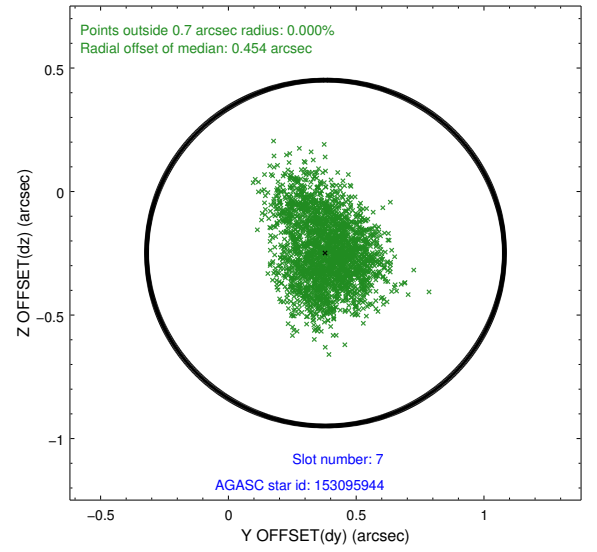
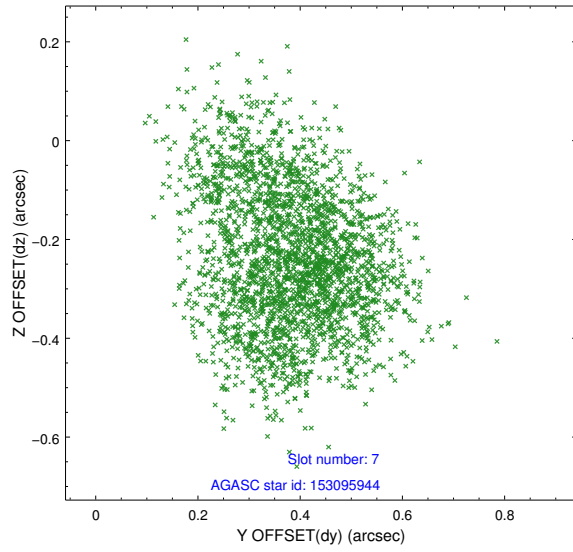
2.4.3 Slot 5



2.4.4 Slot 6

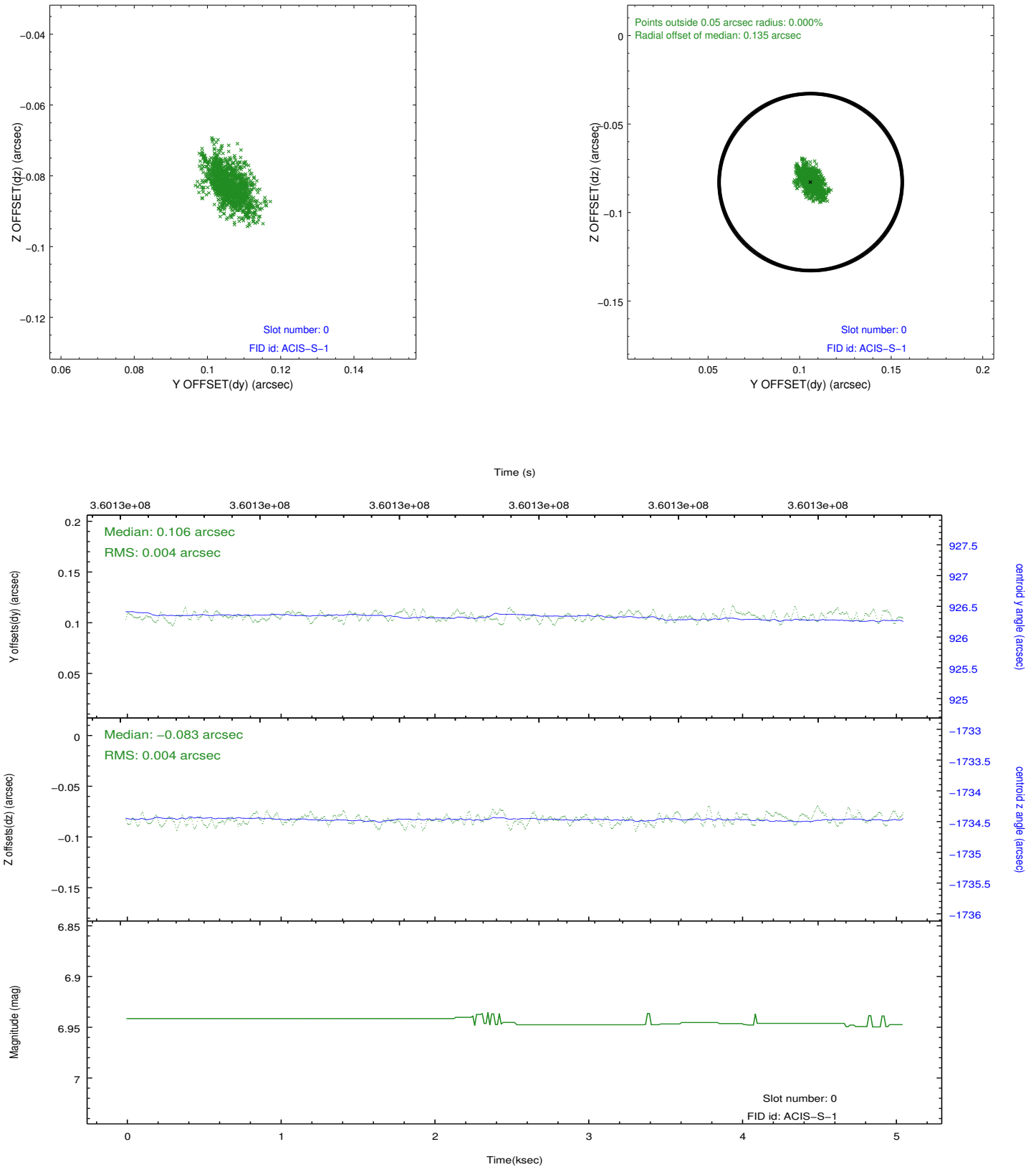


2.4.5 Slot 7

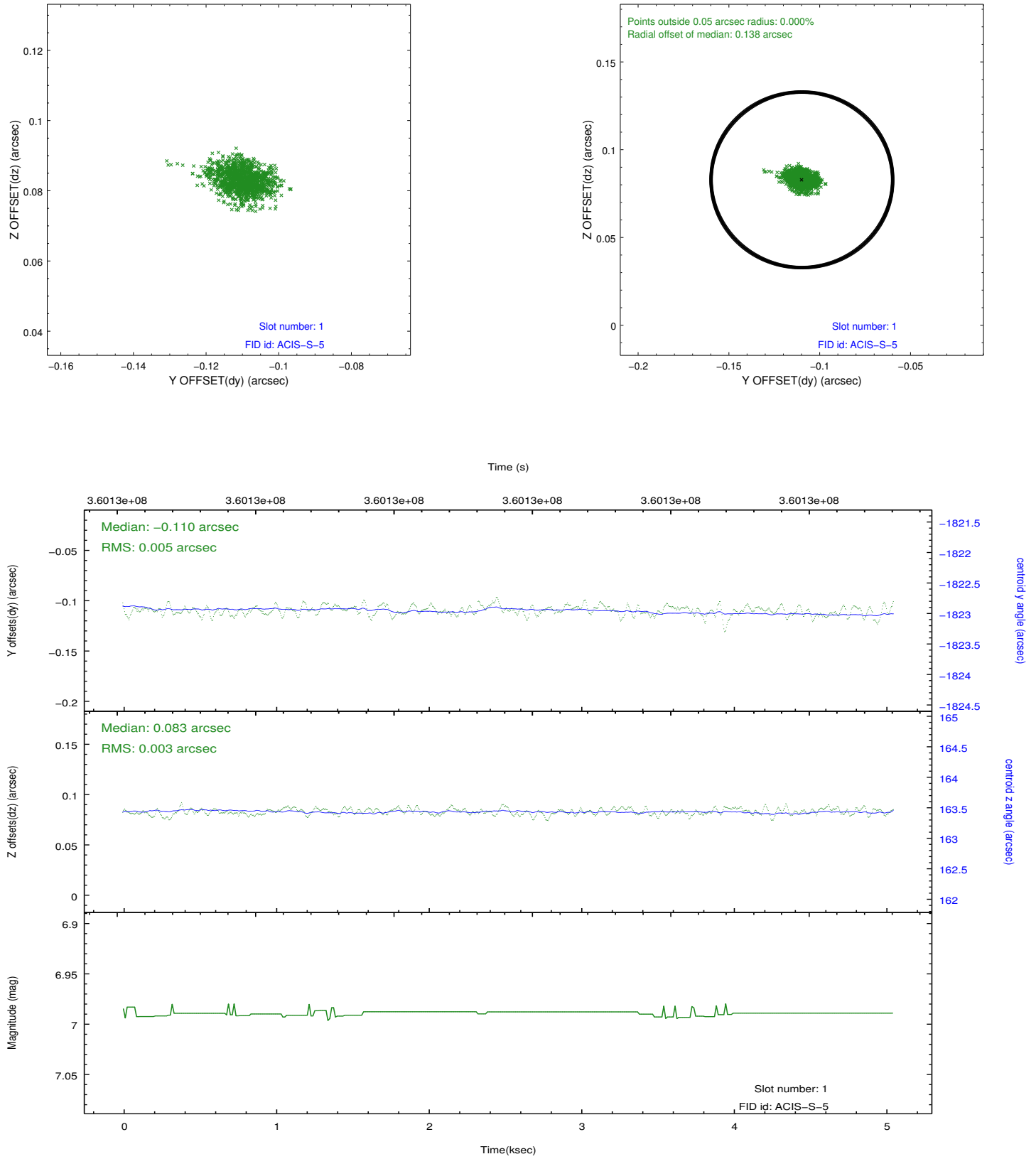


2.5 FID Slots

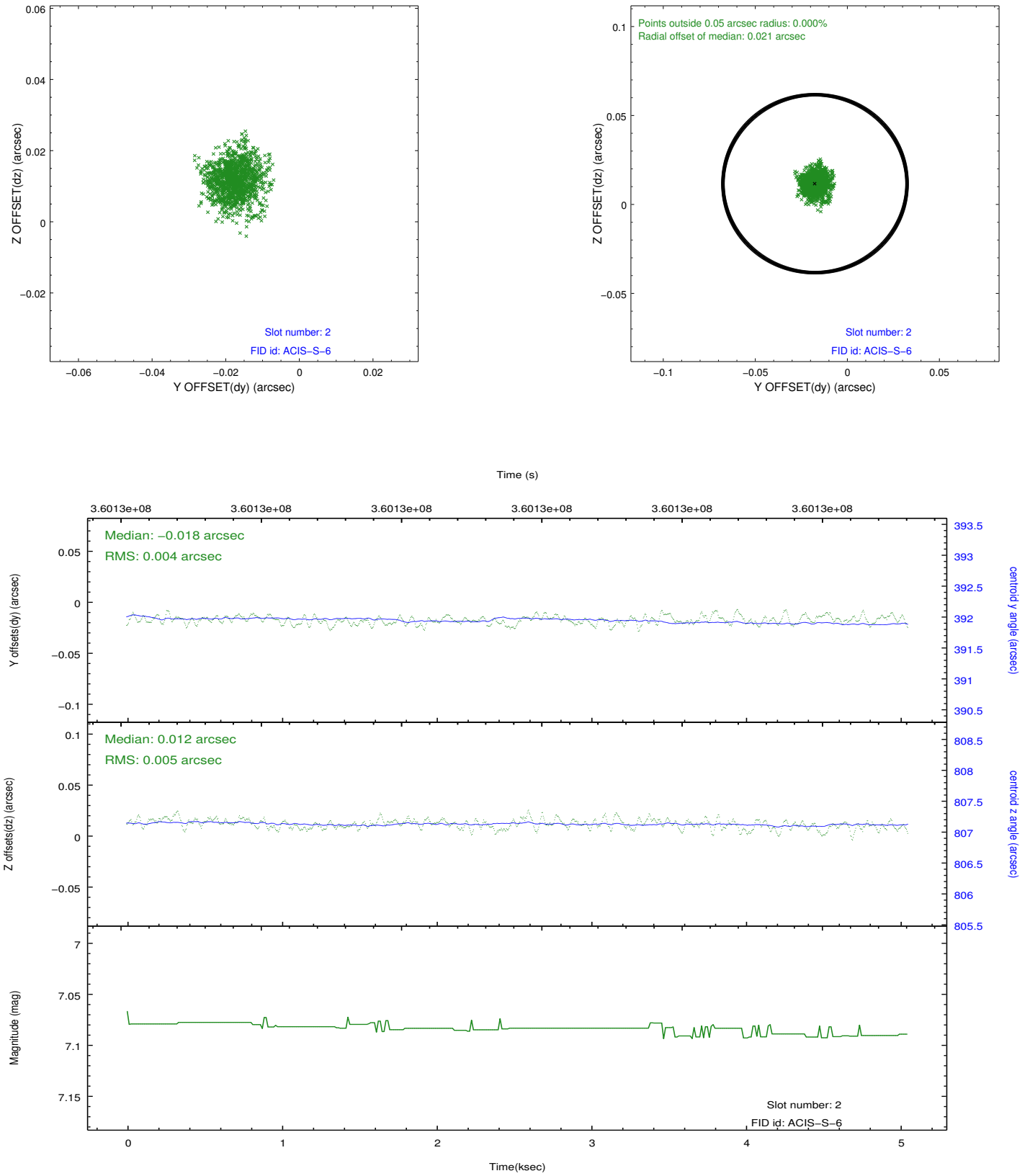
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04639998

A.2 Comments