

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11493 - L2 Version 2
Chandra X-Ray Center

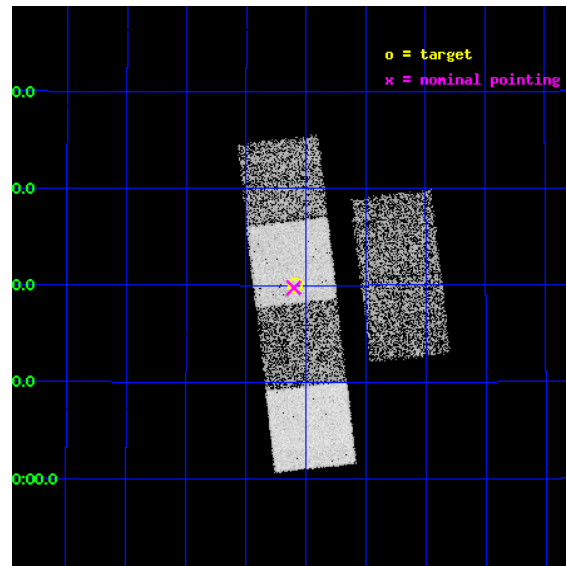
L2 Processing Date : Jun 30 2012

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1 Front

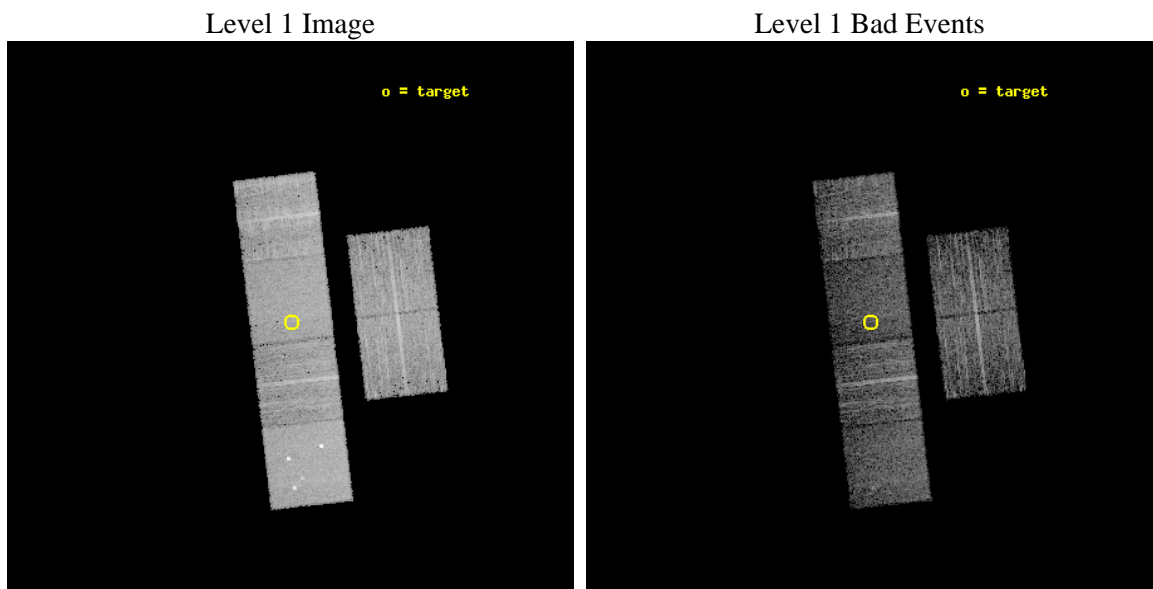
seq_num	702079	Sequence number
obs_id	11493	Observation id
title	Hunting for Intrinsically X-ray Weak Quasars: The Case of PHL 1811 Analogs	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1230+3320	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.647917	Observer's specified target RA [deg]
dec_targ	33.333472	Observer's specified target Dec [deg]
ra_nom	187.65026364083	Nominal RA [deg]
dec_nom	33.328952618272	Nominal Dec [deg]
roll_nom	263.29483797136	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5347.1999801397	Sum of GTIs [s]
livetime	5279.4905142939	Livetime [s]
ontime2	5347.1999801397	Sum of GTIs [s]
ontime3	5347.1999801397	Sum of GTIs [s]
ontime5	5347.1999801397	Sum of GTIs [s]
ontime6	5343.9590097666	Sum of GTIs [s]
ontime7	5347.1999801397	Sum of GTIs [s]
ontime8	5347.1999801397	Sum of GTIs [s]
l2events	66243	Number of level 2 events



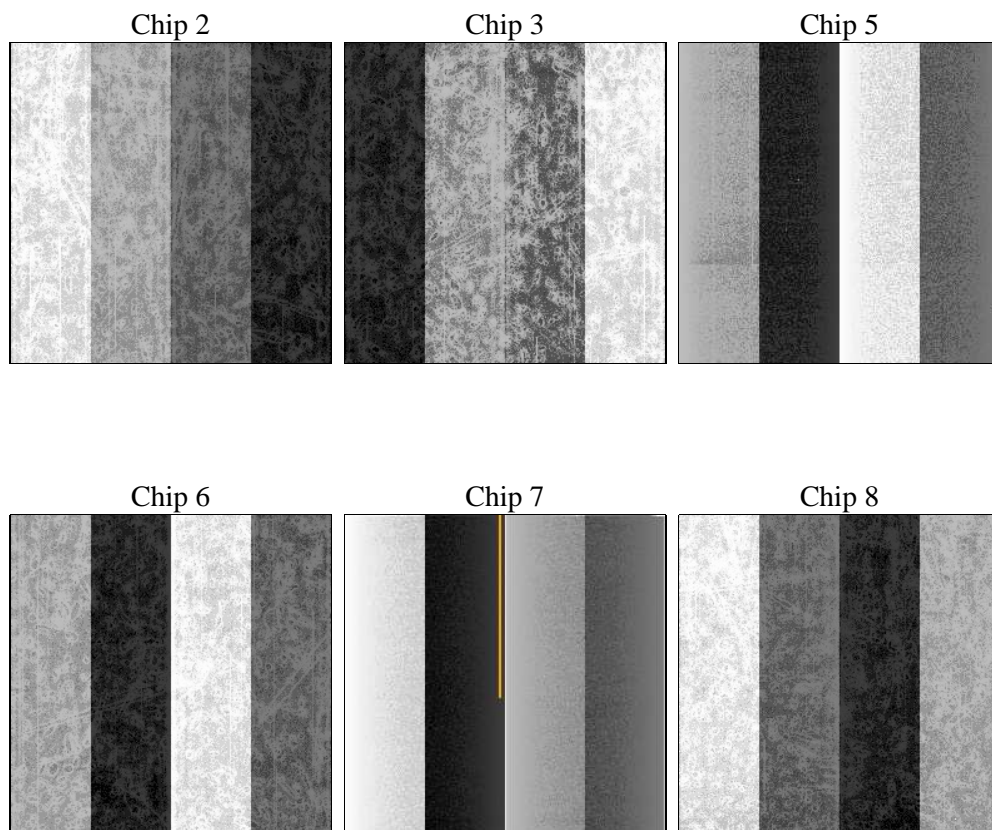
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5347.1999801397	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	5347.1999801397	Sum of GTIs [s]
date	2012-06-30T13:05:13	Date and time of file creation	ontime3	5347.1999801397	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5347.1999801397	Sum of GTIs [s]
			ontime6	5343.9590097666	Sum of GTIs [s]
			ontime7	5347.1999801397	Sum of GTIs [s]
			ontime8	5347.1999801397	Sum of GTIs [s]
			l1events	289106	Number of level 1 events

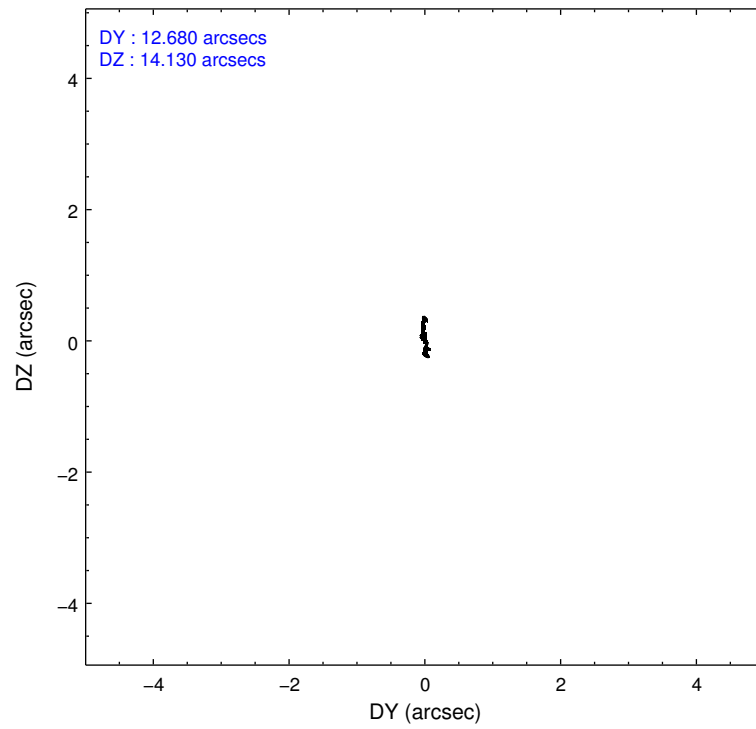
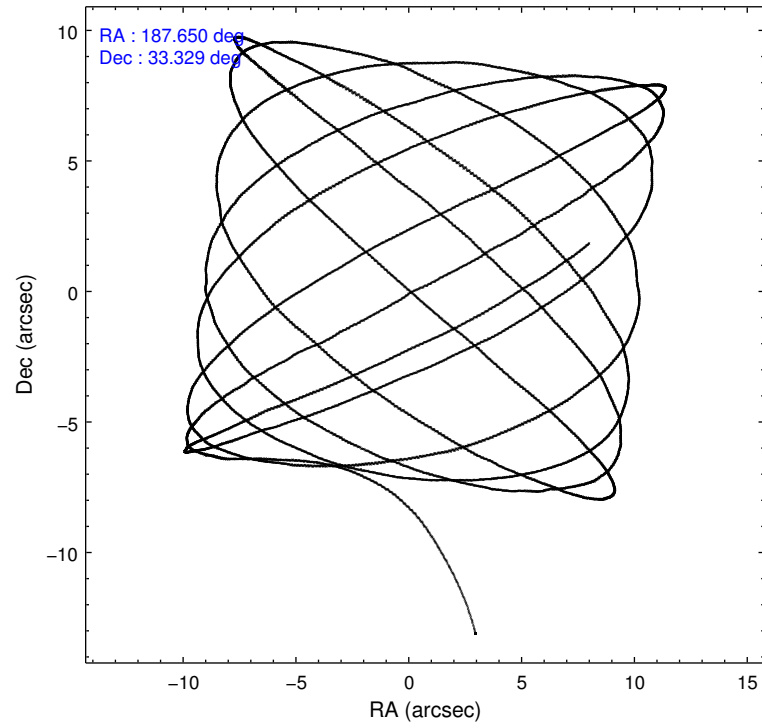
2.1.4 Events

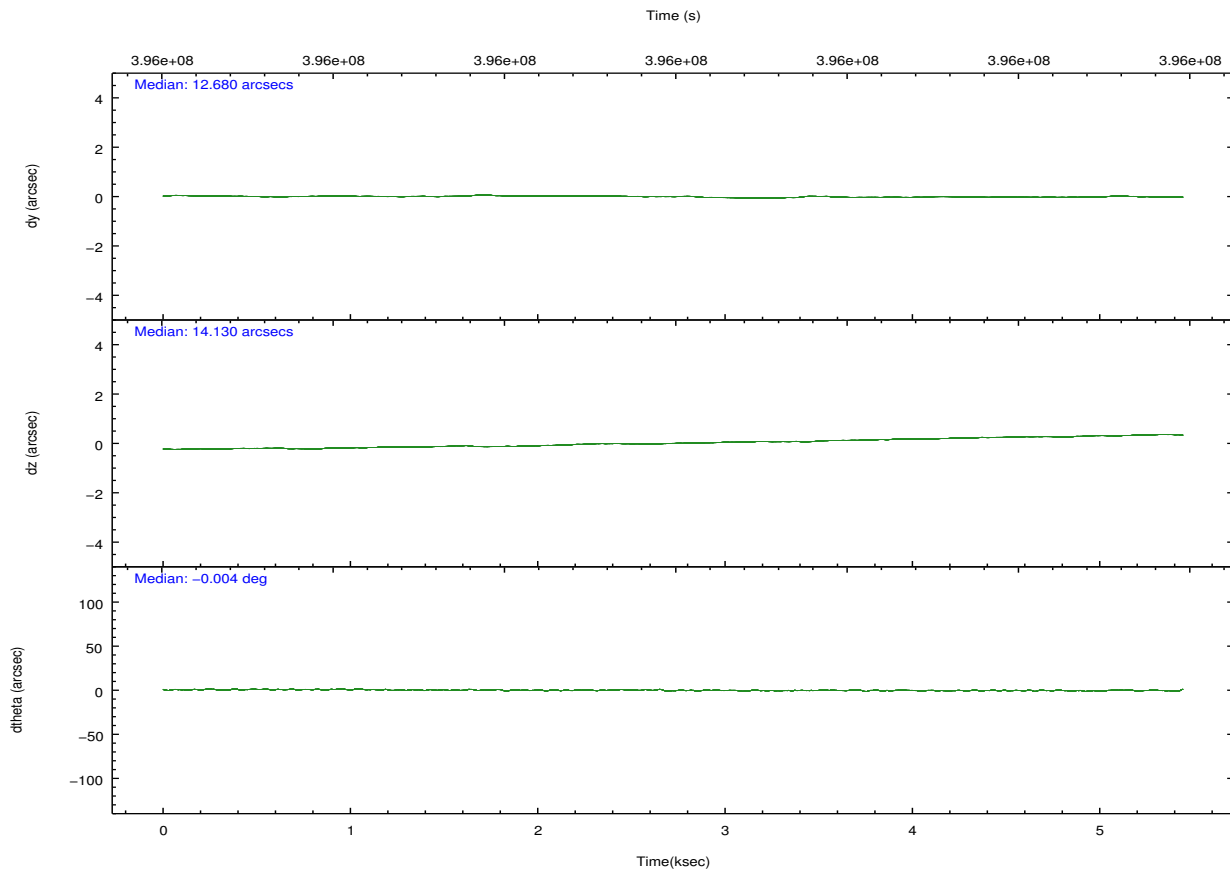
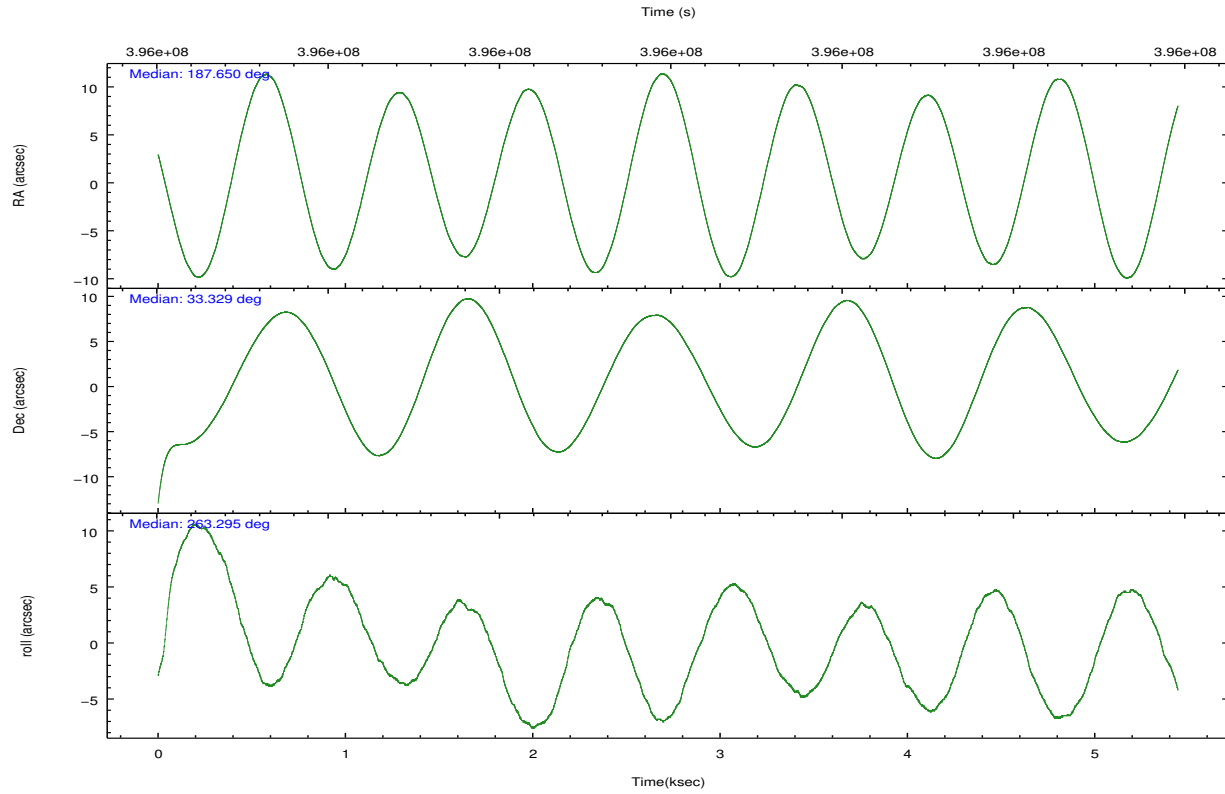
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41847	39407	63605	41464	49294	53489	grade 0 events	1639	1439	5107	1673	2156	4139
rejected events	37463	35363	30853	36761	26957	39539		3%	3%	8%	4%	4%	7%
rejected %	89%	89%	48%	88%	54%	73%	grade 1 events	24	33	105	21	53	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	1062	917	9445	1089	4638	3236
								2%	2%	14%	2%	9%	6%
							grade 3 events	454	410	1217	451	1958	1494
								1%	1%	1%	1%	3%	2%
							grade 4 events	445	486	1080	458	1988	1424
								1%	1%	1%	1%	4%	2%
							grade 5 events	1539	1737	4534	1750	5256	2764
								3%	4%	7%	4%	10%	5%
							grade 6 events	787	802	15944	1038	11626	3667
								1%	2%	25%	2%	23%	6%
							grade 7 events	35897	33583	26173	34984	21619	36721
								85%	85%	41%	84%	43%	68%

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	187.637014	187.6502636408276	CCD I2 on	O2	Y
[deg] Pointing Dec	33.354036	33.3289526182723	CCD I3 on	O1	Y
[deg] Pointing Roll	263.145514	263.2948379713588	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	395995407.184000	395994188.17862	CCD S5 on	N	N
Observation start date	2010-07-20T06:42:21	2010-07-20T06:23:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	396000707.184000	396001115.12897	On-chip summing requested	N	N
Observation end date	2010-07-20T08:10:41	2010-07-20T08:18:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



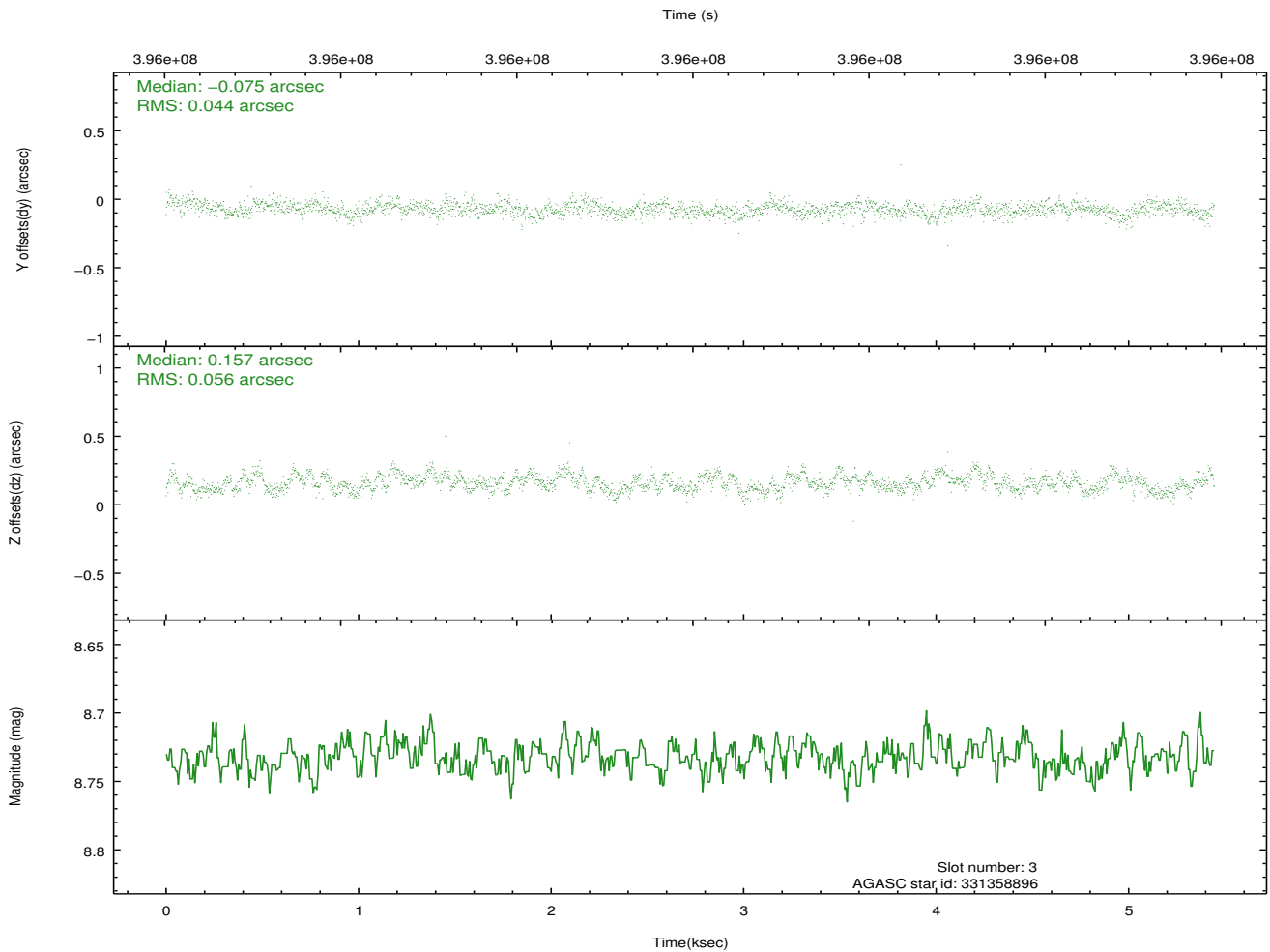
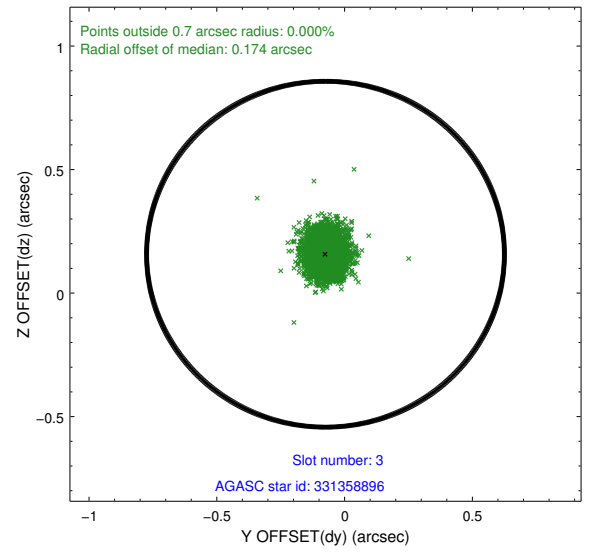
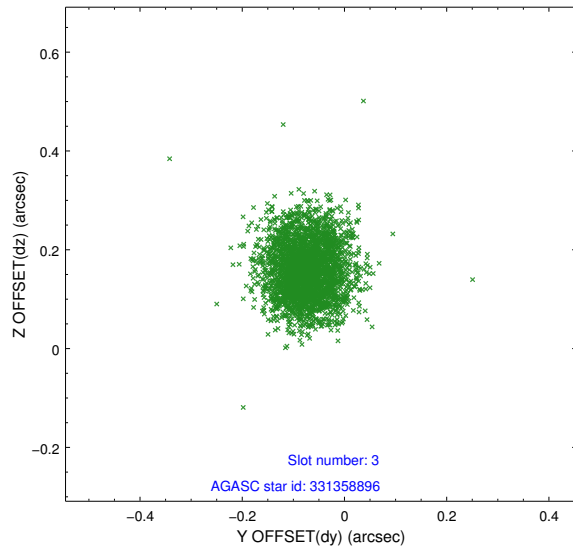


Slot Statistics

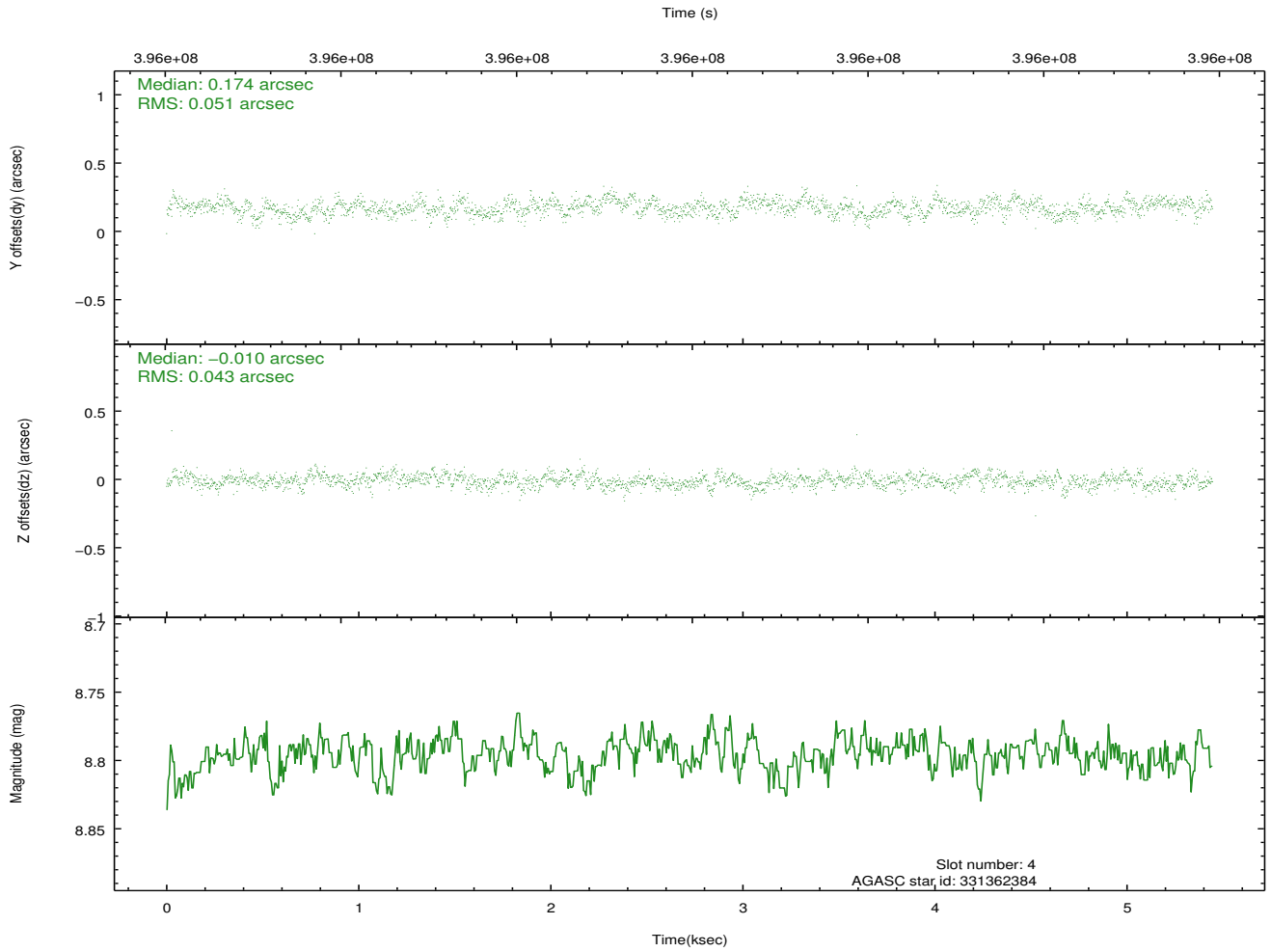
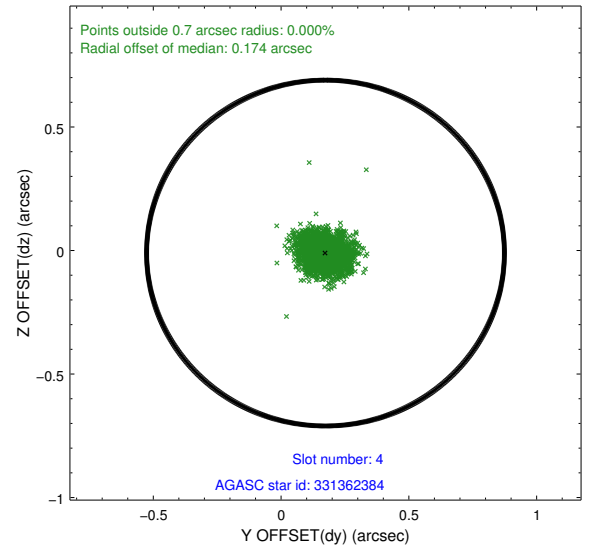
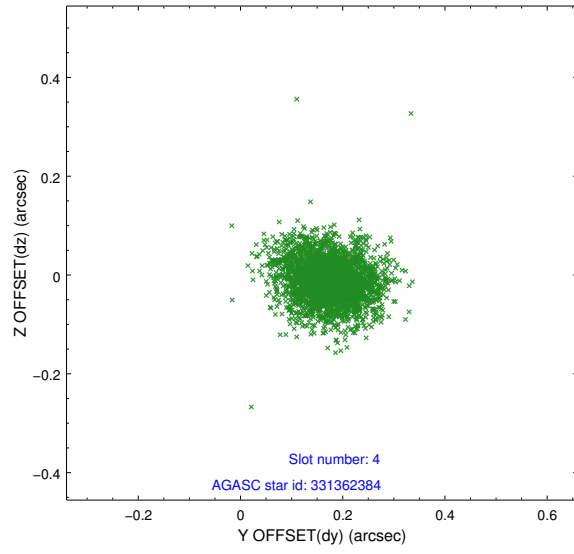
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1328	-0.098	-0.066	0.009	0.022	0.000000	0.000000	-765.68	-1735.57
1	FID	ACIS-S-4	6.98	1328	0.113	0.045	0.008	0.014	0.000000	0.000000	2147.30	171.87
2	FID	ACIS-S-6	7.12	1328	-0.045	0.027	0.008	0.014	0.000000	0.000000	397.77	810.50
3	GUIDE	331358896	8.73	2656	-0.075	0.157	0.076	0.121	187.653787	33.749032	-1417.96	-119.47
4	GUIDE	331362384	8.80	2654	0.174	-0.010	0.070	0.115	187.227369	32.923477	1684.22	-1043.97
5	GUIDE	331366184	8.45	2653	-0.011	-0.057	0.064	0.105	187.936439	33.487307	-584.44	835.10
6	GUIDE	331366904	7.64	2657	-0.006	-0.068	0.068	0.106	187.878221	33.015014	1124.48	869.43
7	GUIDE	331630992	9.08	2656	-0.084	-0.028	0.087	0.145	187.910885	33.917265	-2111.95	570.85

2.4 Star Slots

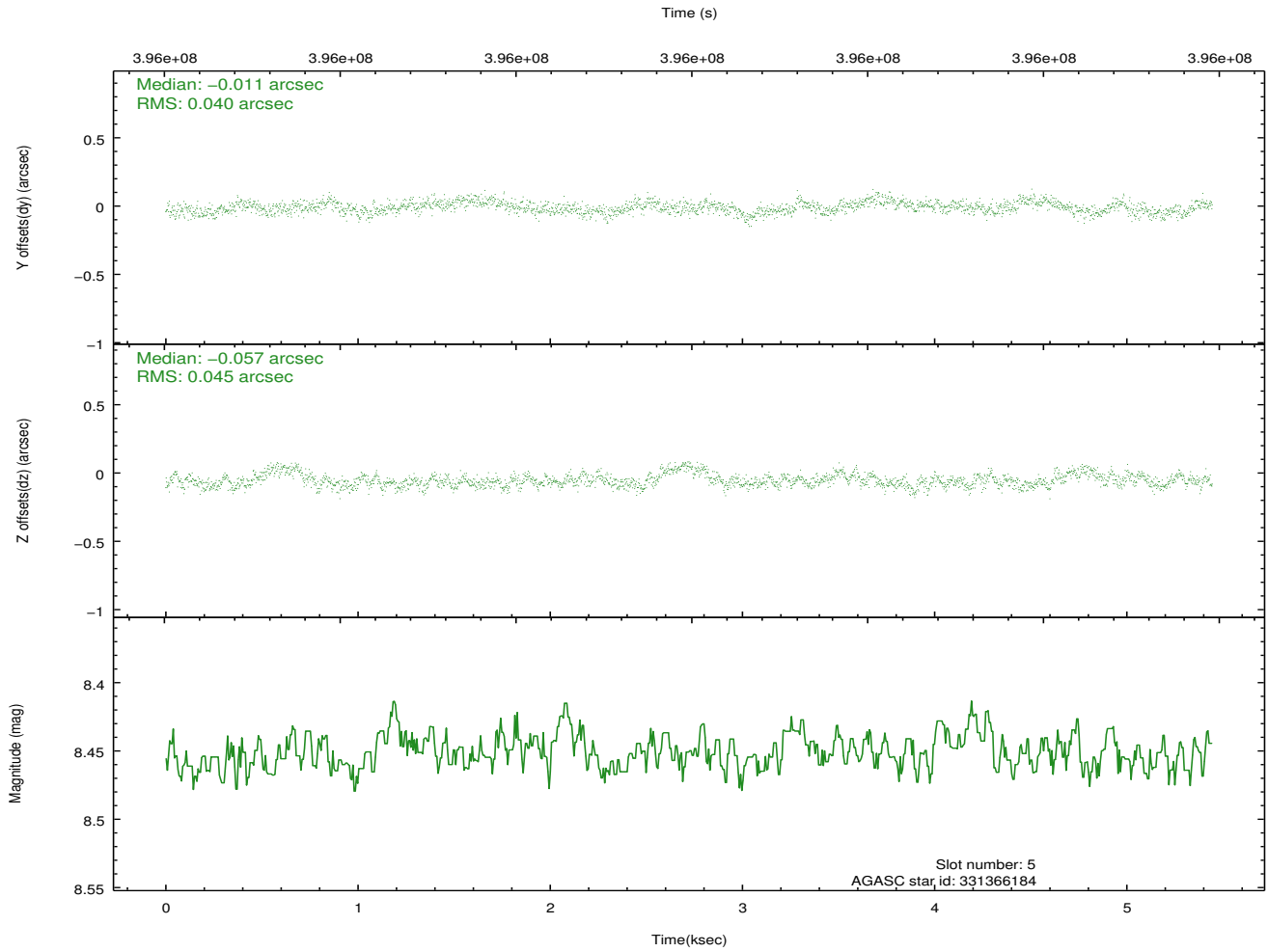
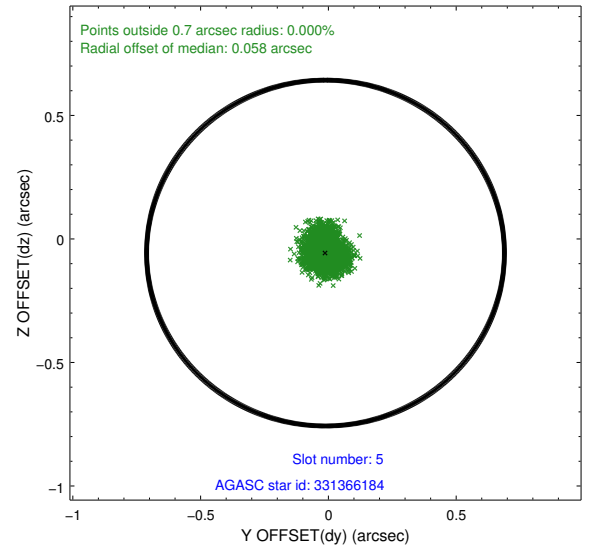
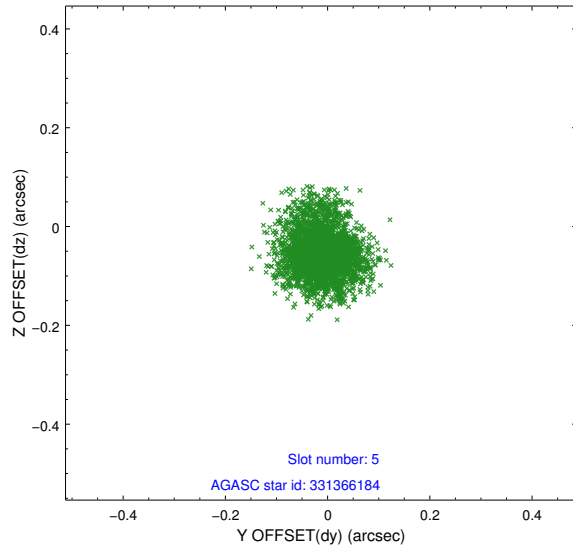
2.4.1 Slot 3



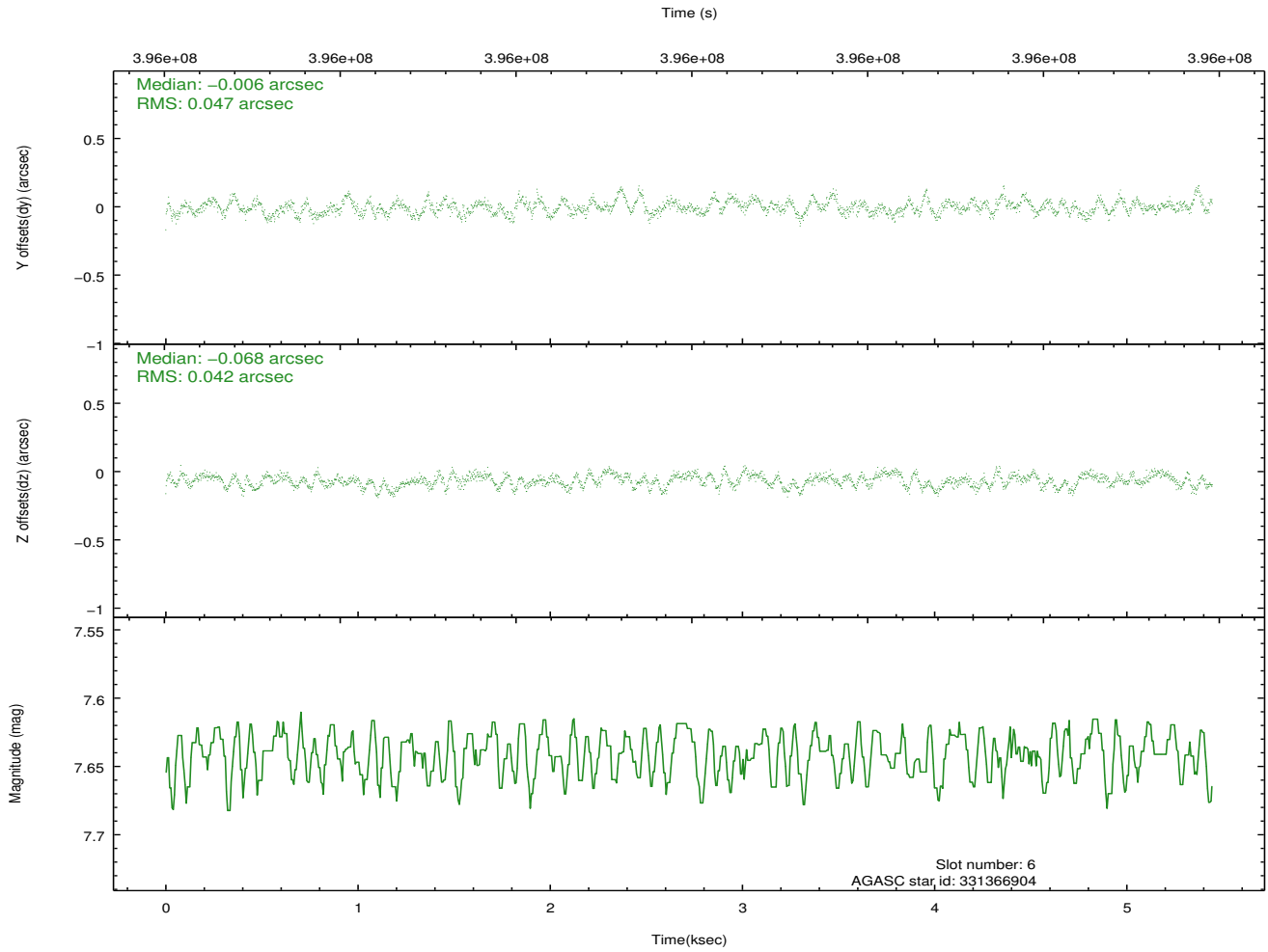
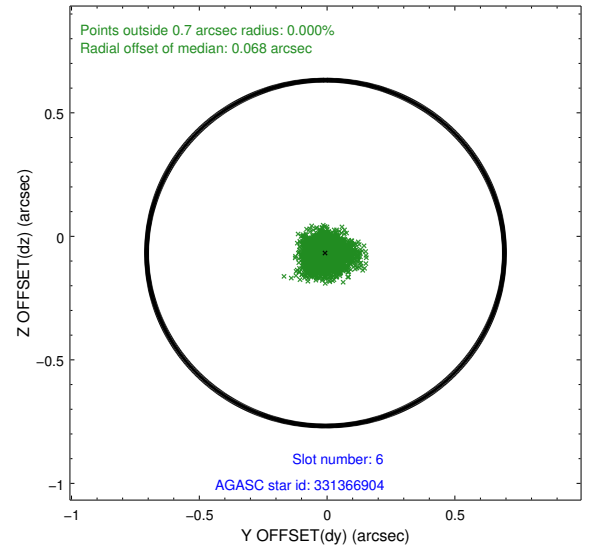
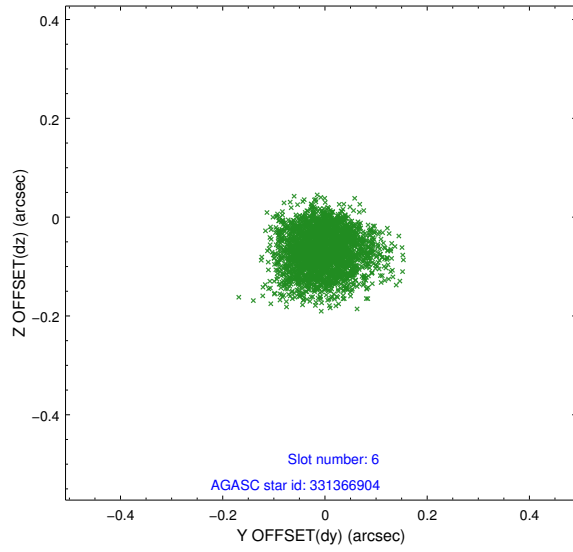
2.4.2 Slot 4



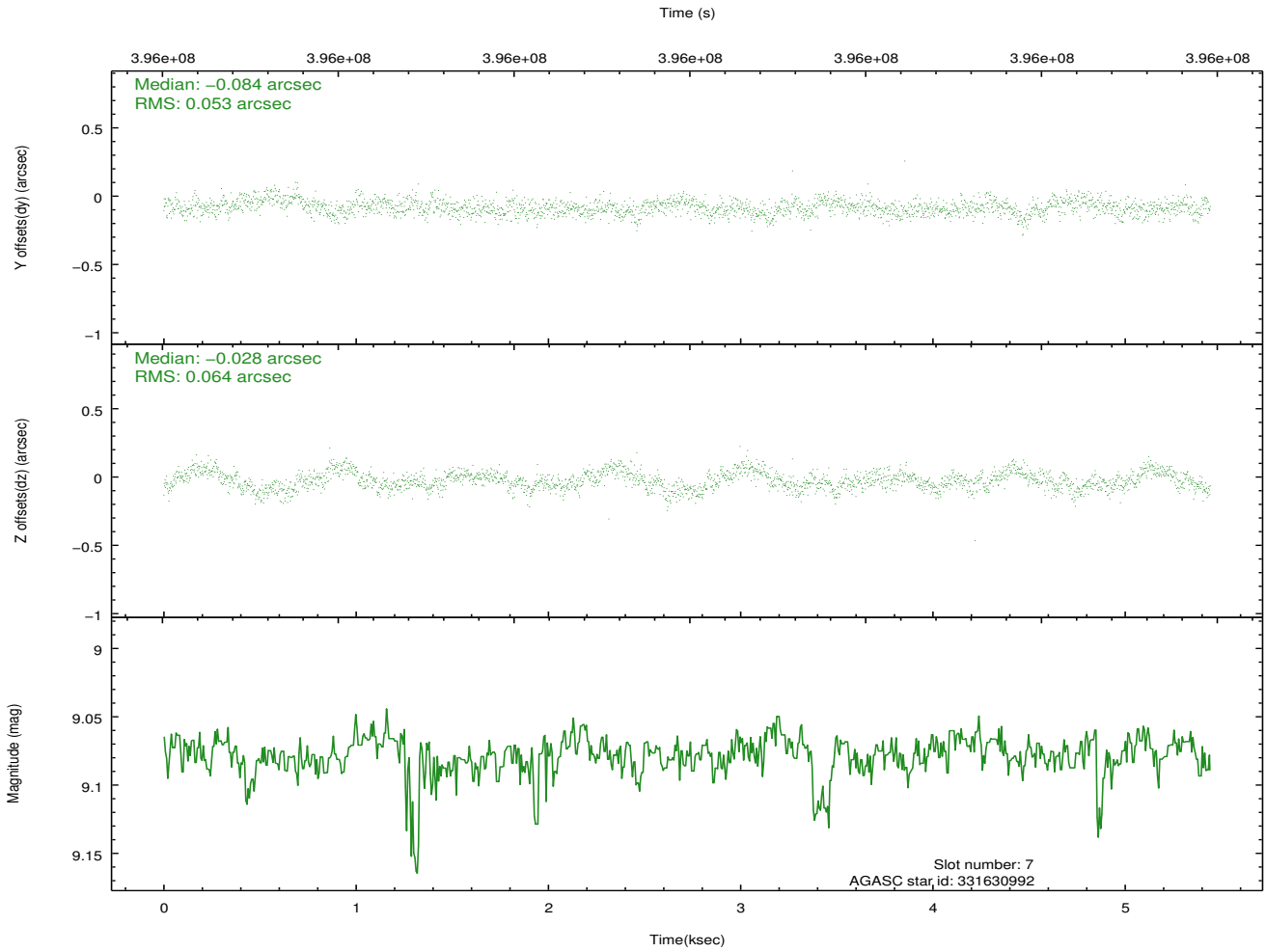
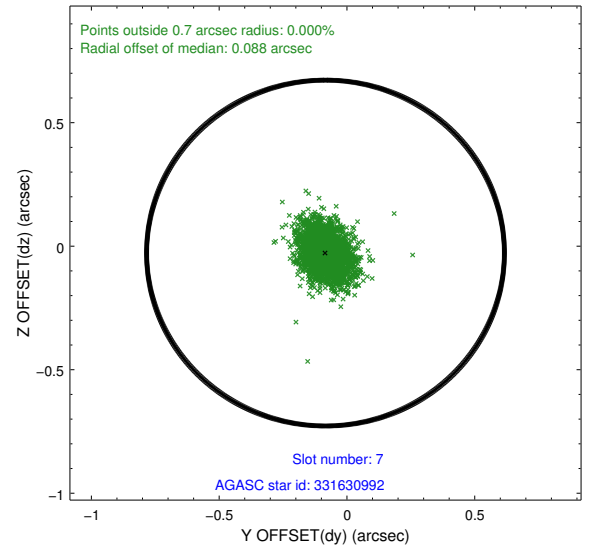
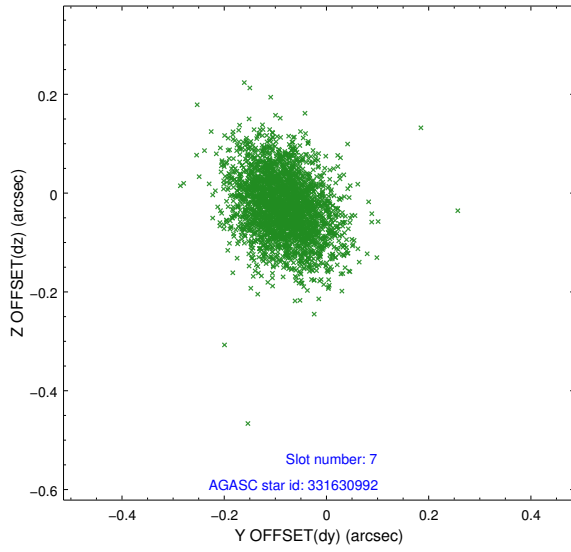
2.4.3 Slot 5



2.4.4 Slot 6

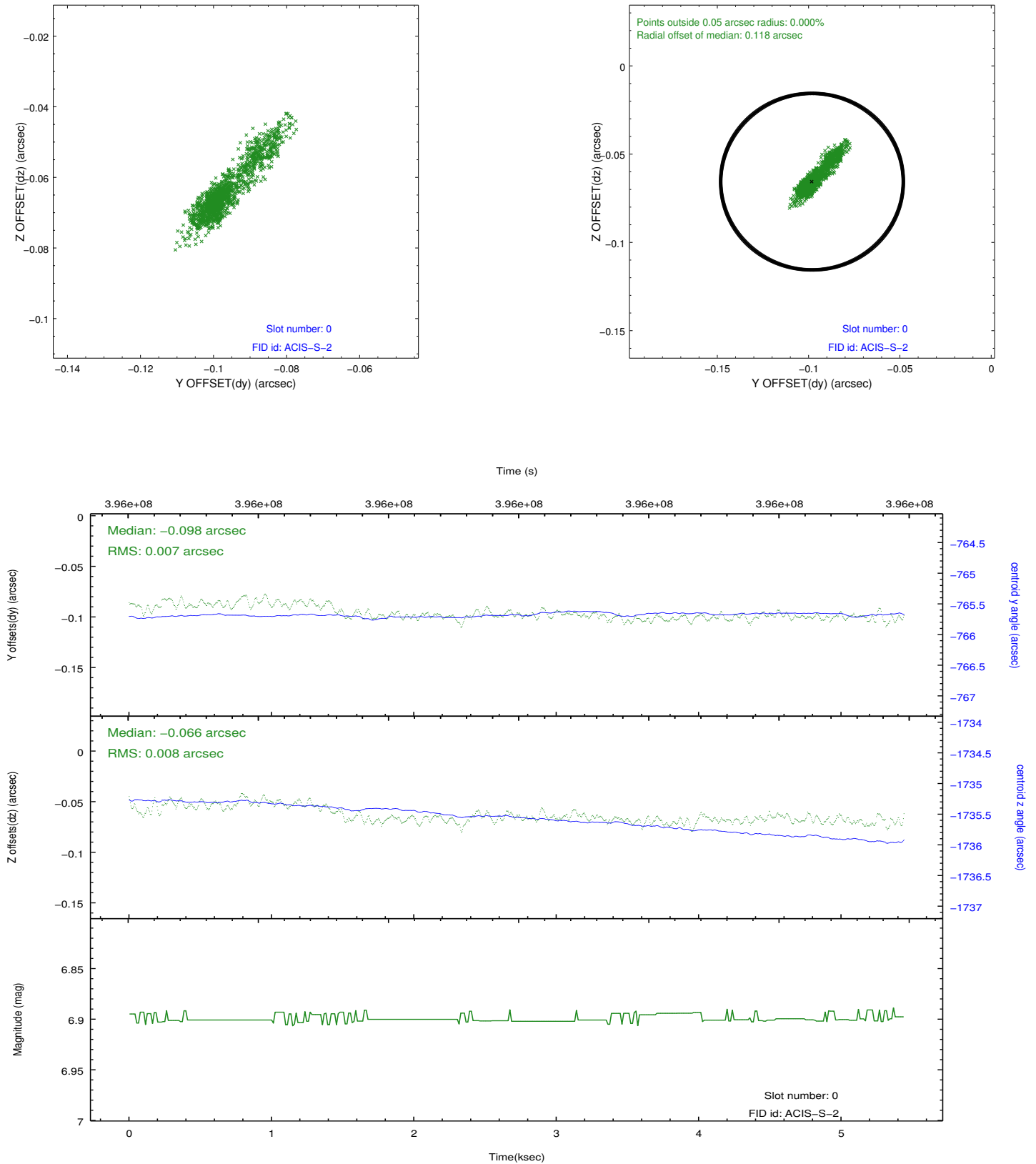


2.4.5 Slot 7

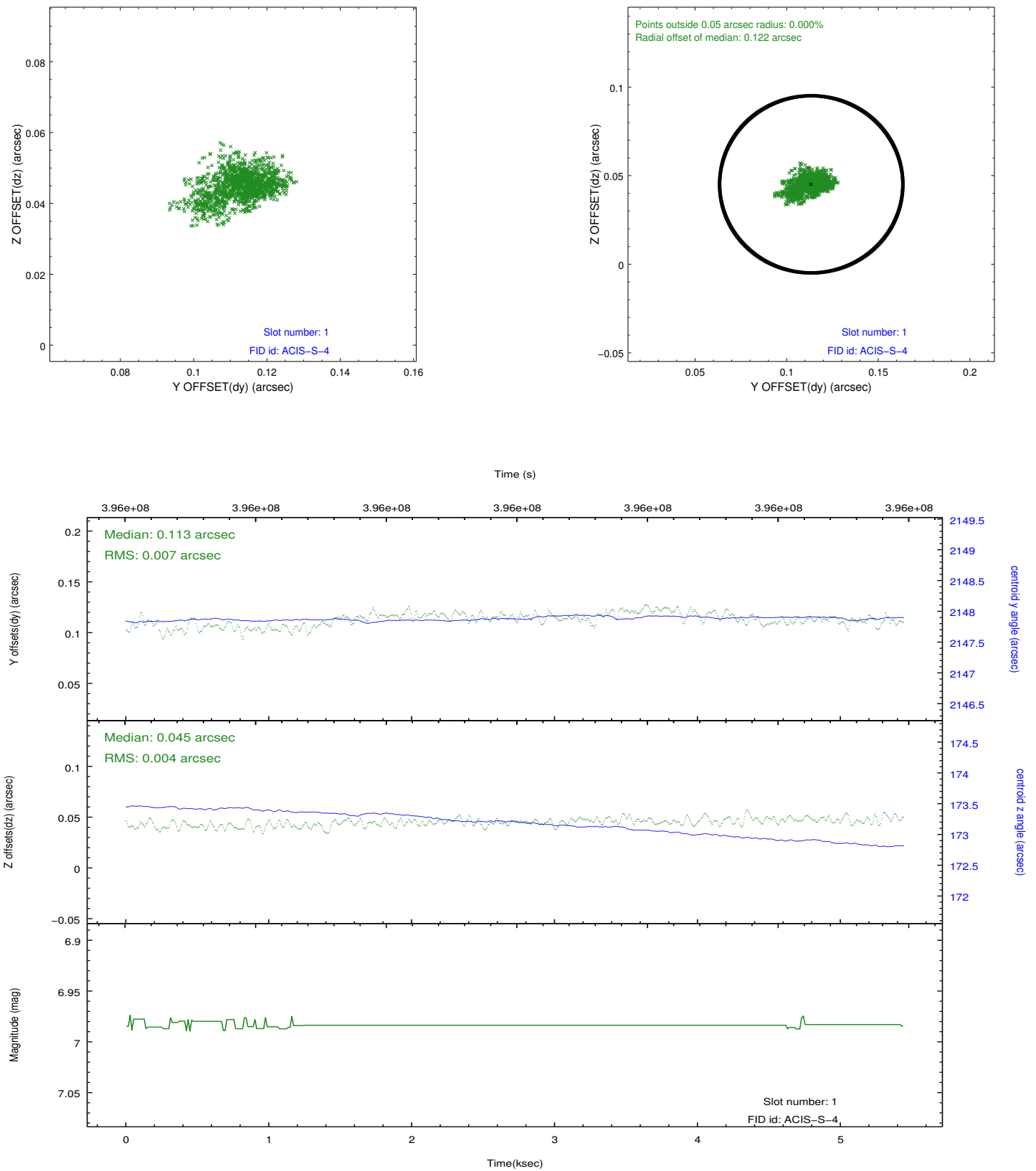


2.5 FID Slots

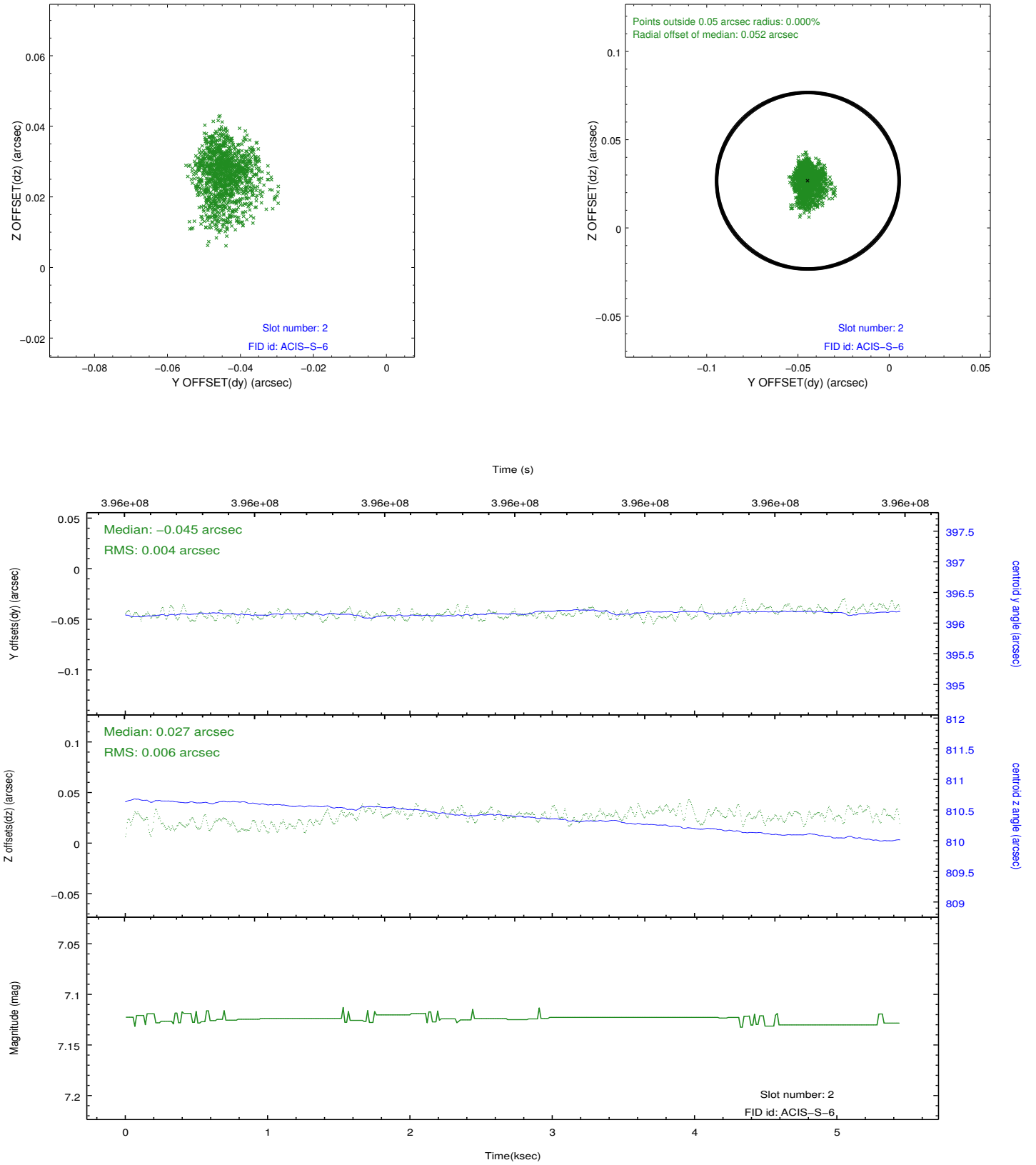
2.5.1 Slot 0



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)	2012.07.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.3471999801397

A.2 Comments