

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11559 - L2 Version 3
Chandra X-Ray Center

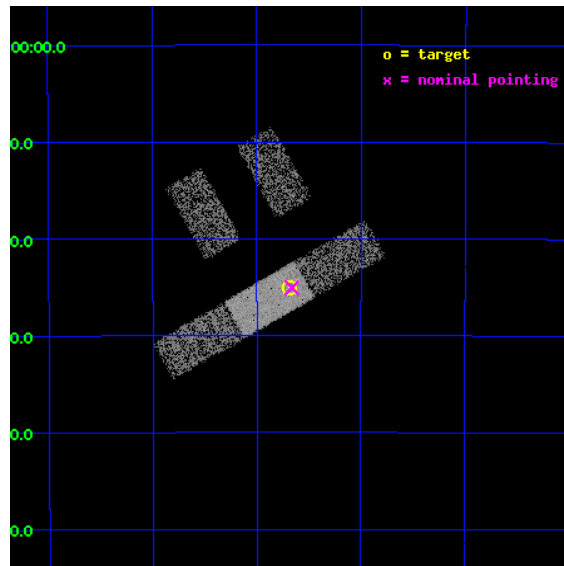
L2 Processing Date : Jun 25 2012

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1 Front

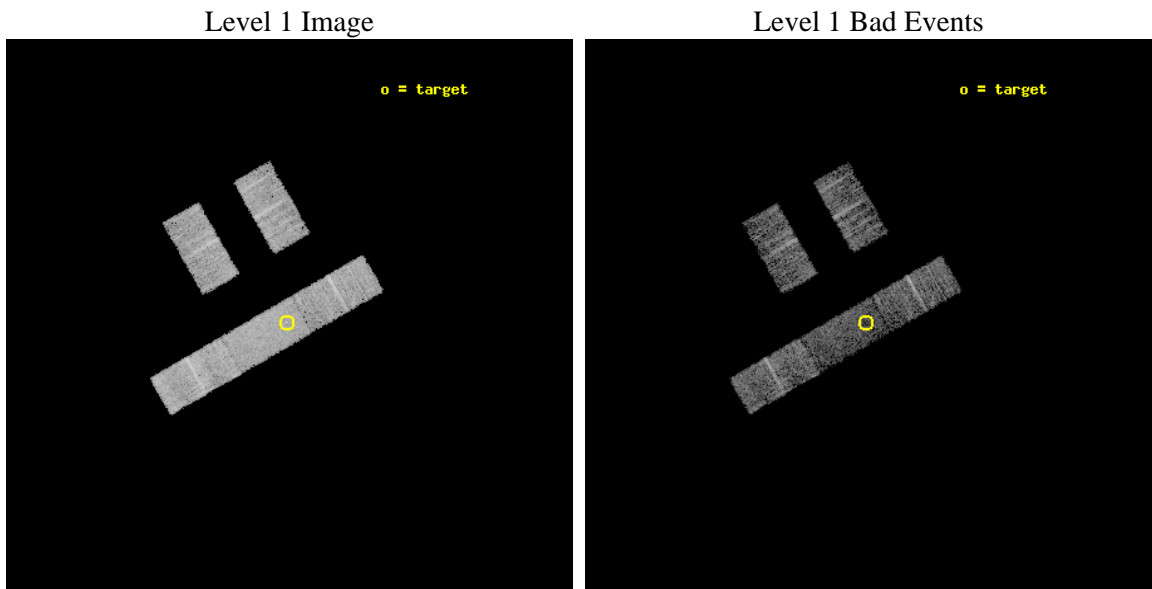
seq_num	702145	Sequence number
obs_id	11559	Observation id
title	The Size of Quasar Non-Thermal/X-ray Emission Regions	Proposal tit
observer	Prof. Christopher Kochanek	Principal investigator
object	QJ0158-4325	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.6725	Observer's specified target RA [deg]
dec_targ	-43.417833	Observer's specified target Dec [deg]
ra_nom	29.665779602298	Nominal RA [deg]
dec_nom	-43.417928067568	Nominal Dec [deg]
roll_nom	150.12813765023	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5060.899964571	Sum of GTIs [s]
livetime	4941.603834358	Livetime [s]
ontime2	5060.899964571	Sum of GTIs [s]
ontime3	5060.899964571	Sum of GTIs [s]
ontime6	5060.899964571	Sum of GTIs [s]
ontime7	5060.899964571	Sum of GTIs [s]
ontime8	5060.899964571	Sum of GTIs [s]
l2events	19195	Number of level 2 events



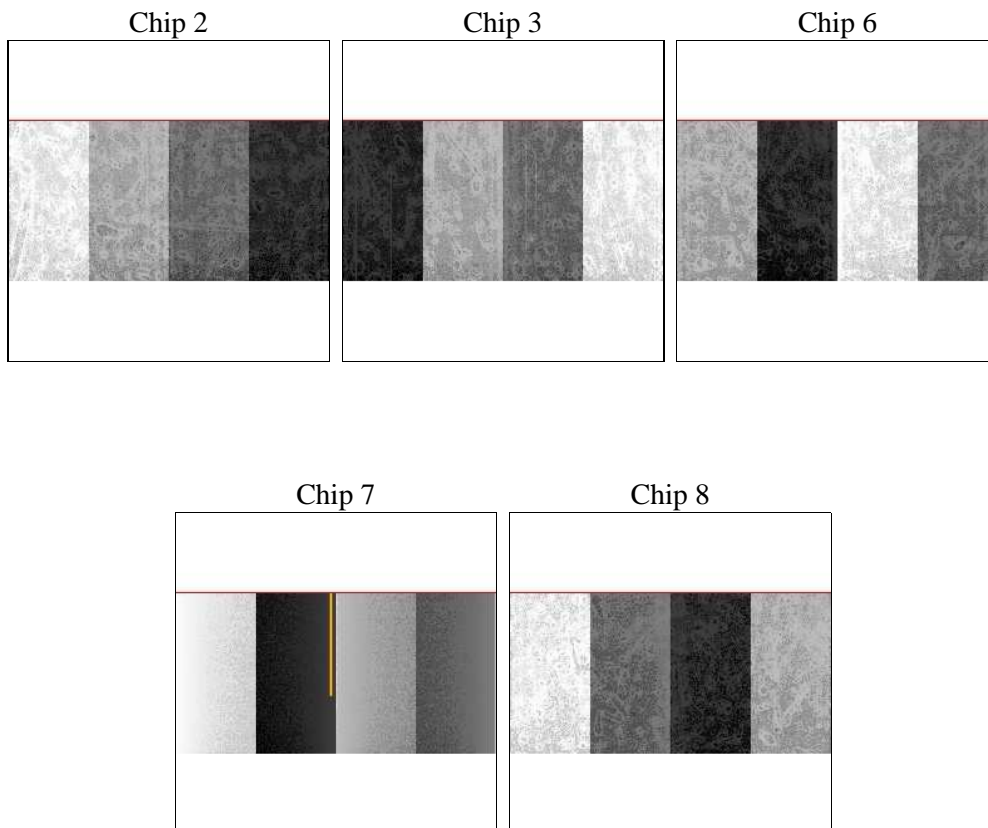
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5060.899964571	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	5060.899964571	Sum of GTIs [s]
date	2012-06-26T01:38:53	Date and time of file creation	ontime3	5060.899964571	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5060.899964571	Sum of GTIs [s]
			ontime7	5060.899964571	Sum of GTIs [s]
			ontime8	5060.899964571	Sum of GTIs [s]
			l1events	113595	Number of level 1 events

2.1.4 Events

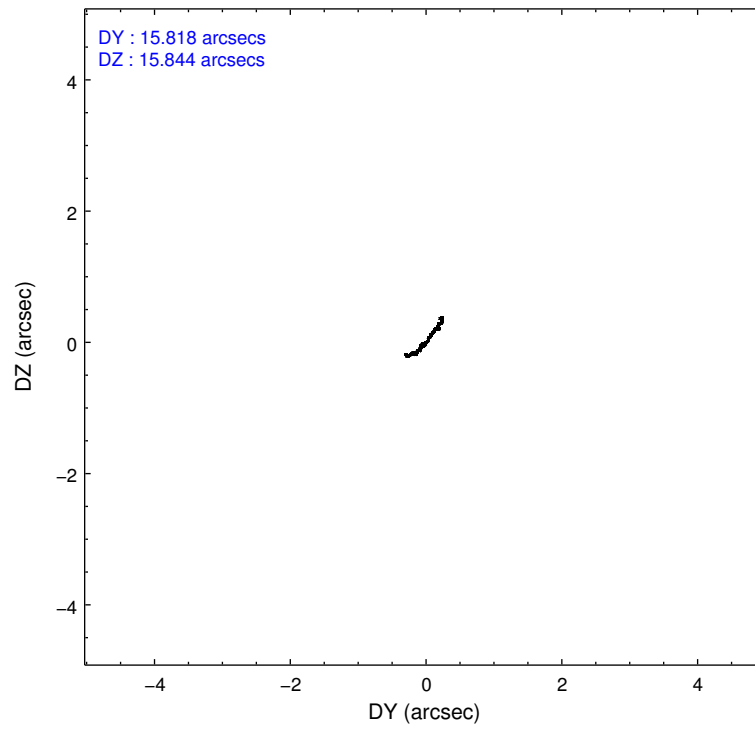
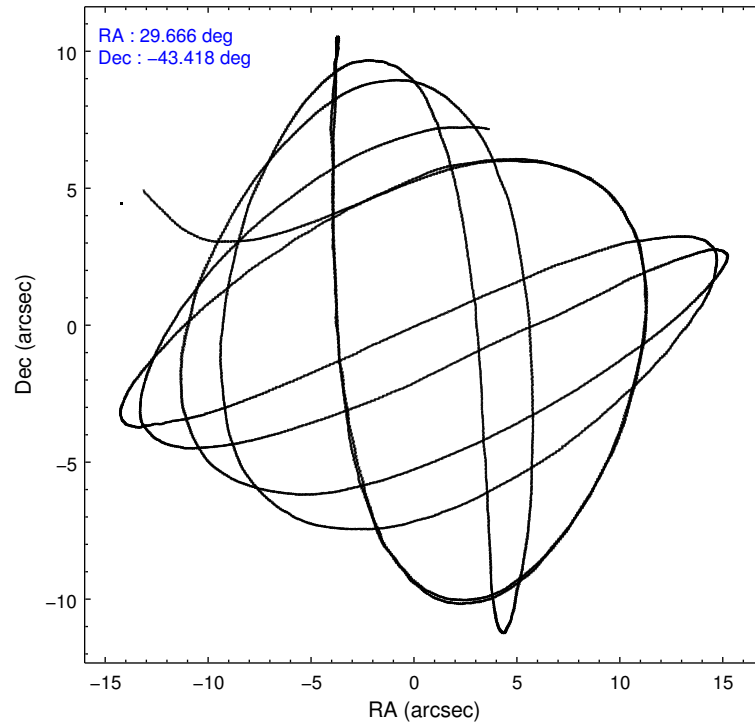
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	20079	20085	21225	24352	27854
rejected events	17905	17946	18776	12982	20925
rejected %	89%	89%	88%	53%	75%

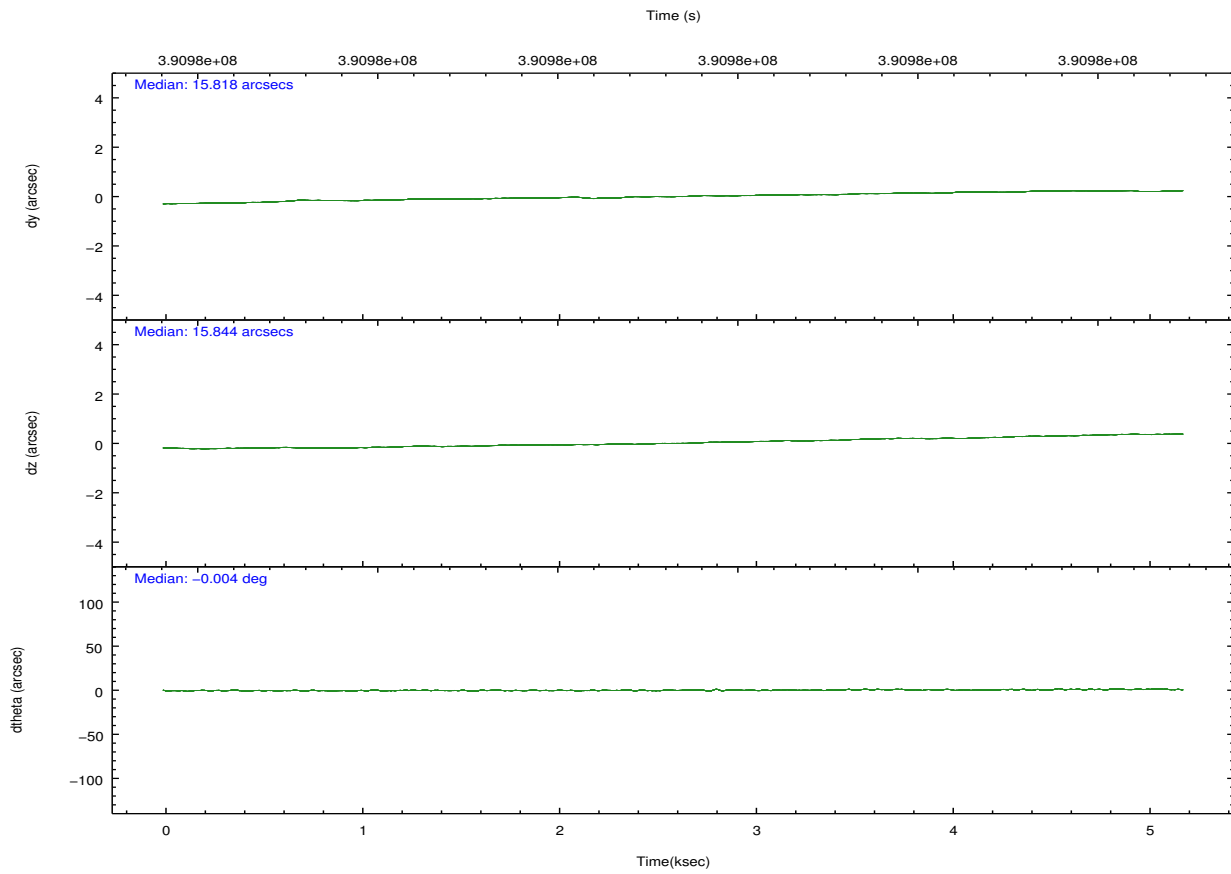
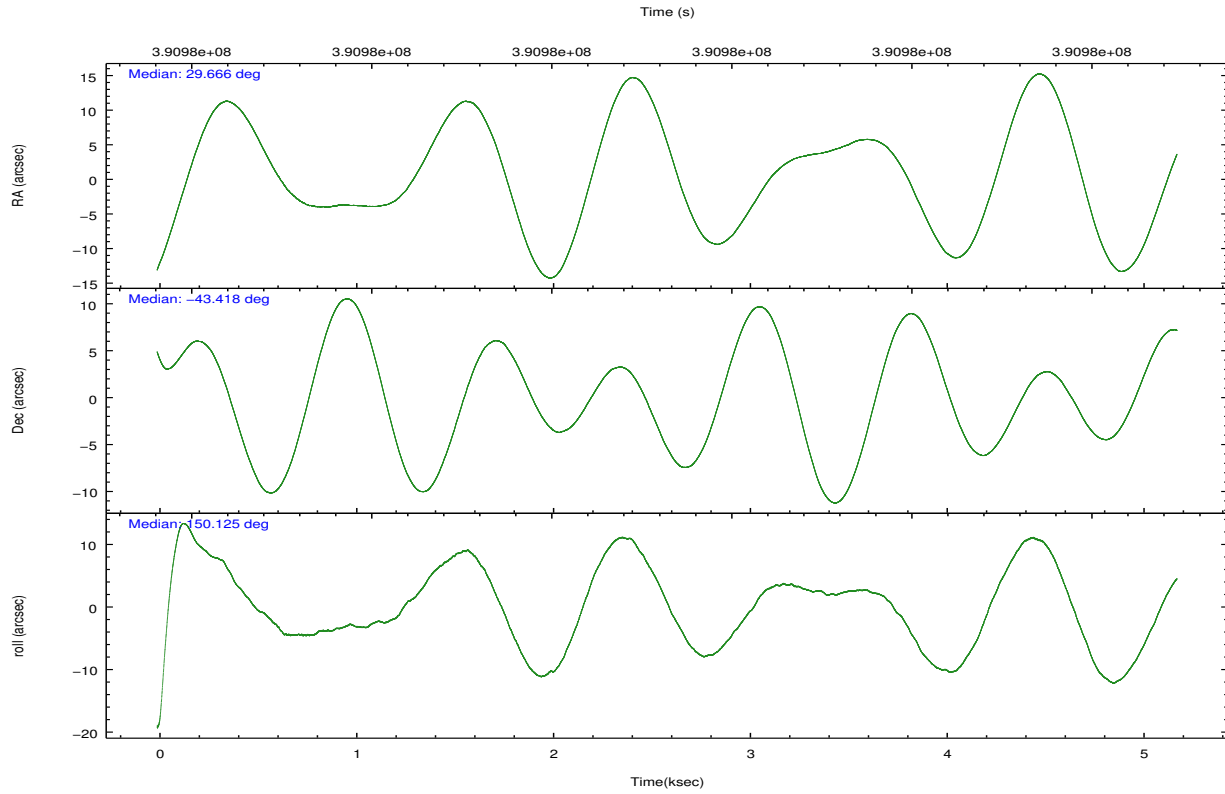
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	764	657	837	1186	2074
	3%	3%	3%	4%	7%
grade 1 events	6	8	6	37	18
	0%	0%	0%	0%	0%
grade 2 events	478	477	572	2381	1567
	2%	2%	2%	9%	5%
grade 3 events	259	313	269	1185	797
	1%	1%	1%	4%	2%
grade 4 events	264	284	307	1156	712
	1%	1%	1%	4%	2%
grade 5 events	787	890	911	2614	1239
	3%	4%	4%	10%	4%
grade 6 events	410	409	467	5481	1779
	2%	2%	2%	22%	6%
grade 7 events	17111	17047	17856	10312	19668
	85%	84%	84%	42%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	29.703463	29.6657796022976	CCD I2 on	O4	Y
[deg] Pointing Dec	-43.417543	-43.41792806756825	CCD I3 on	O3	Y
[deg] Pointing Roll	149.997489	150.1281376502341	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O2	Y
[s] Observation start time (MET)	390980231.184000	390979445.12275	CCD S5 on	N	N
Observation start date	2010-05-23T05:36:05	2010-05-23T05:24:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	390985231.184000	390985729.39807	On-chip summing requested	N	N
Observation end date	2010-05-23T06:59:25	2010-05-23T07:08:49	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



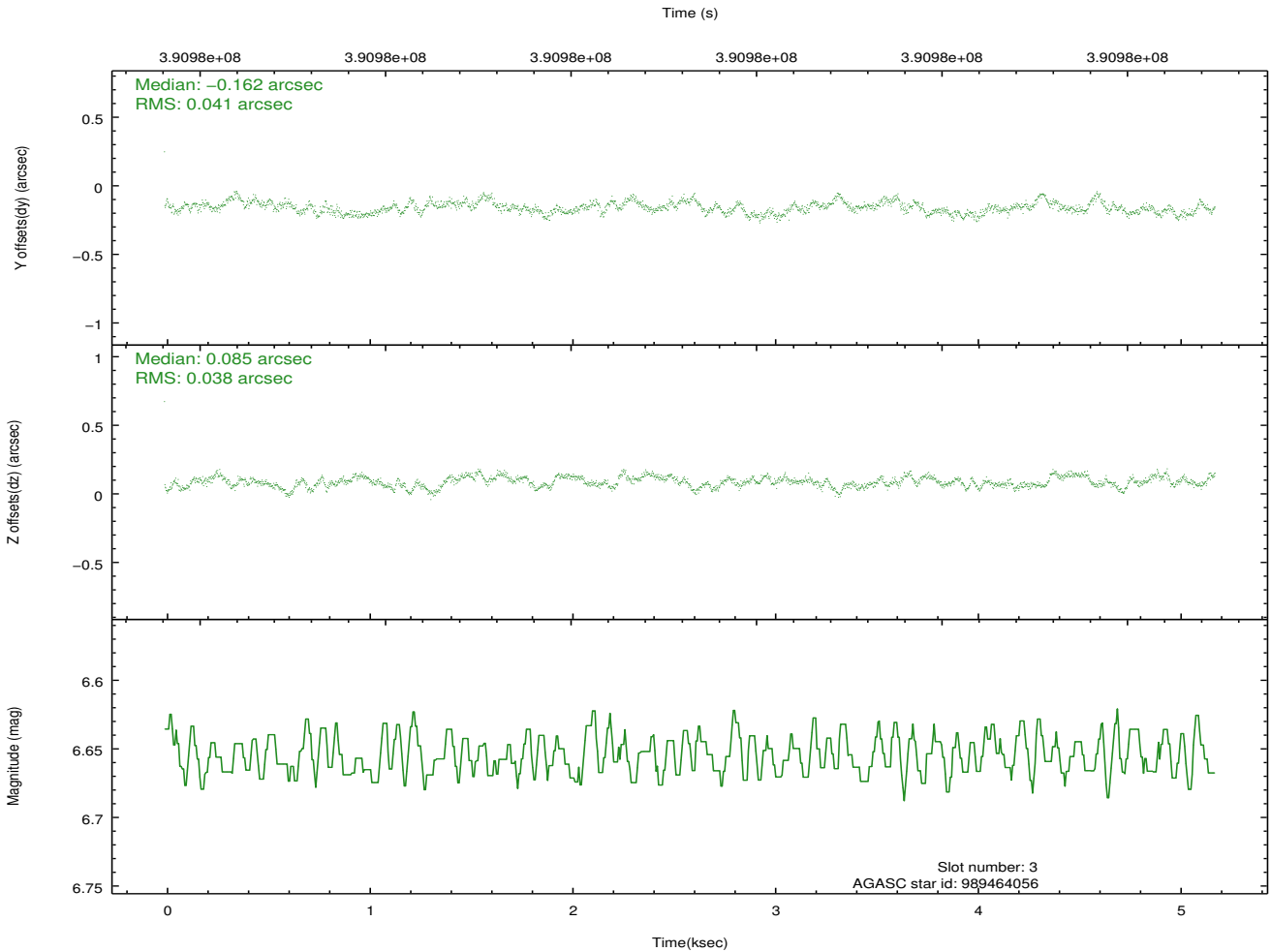
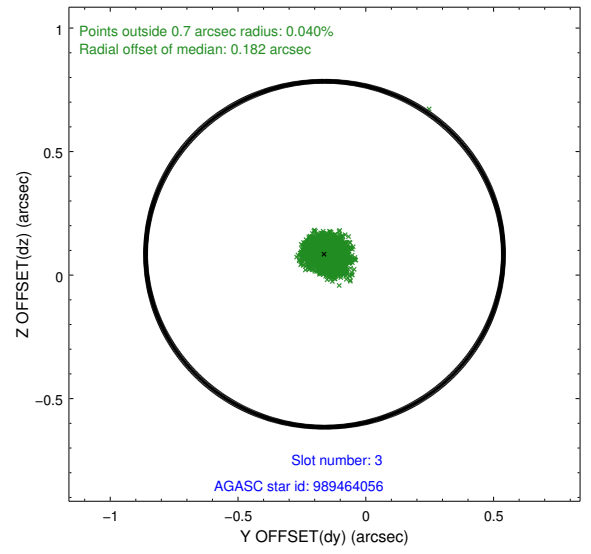
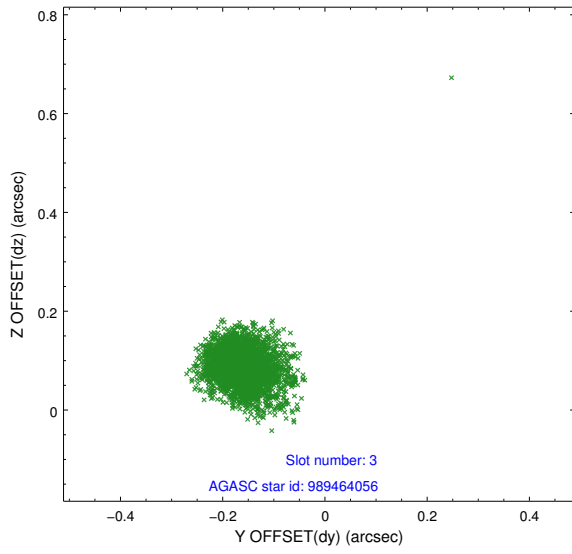


Slot Statistics

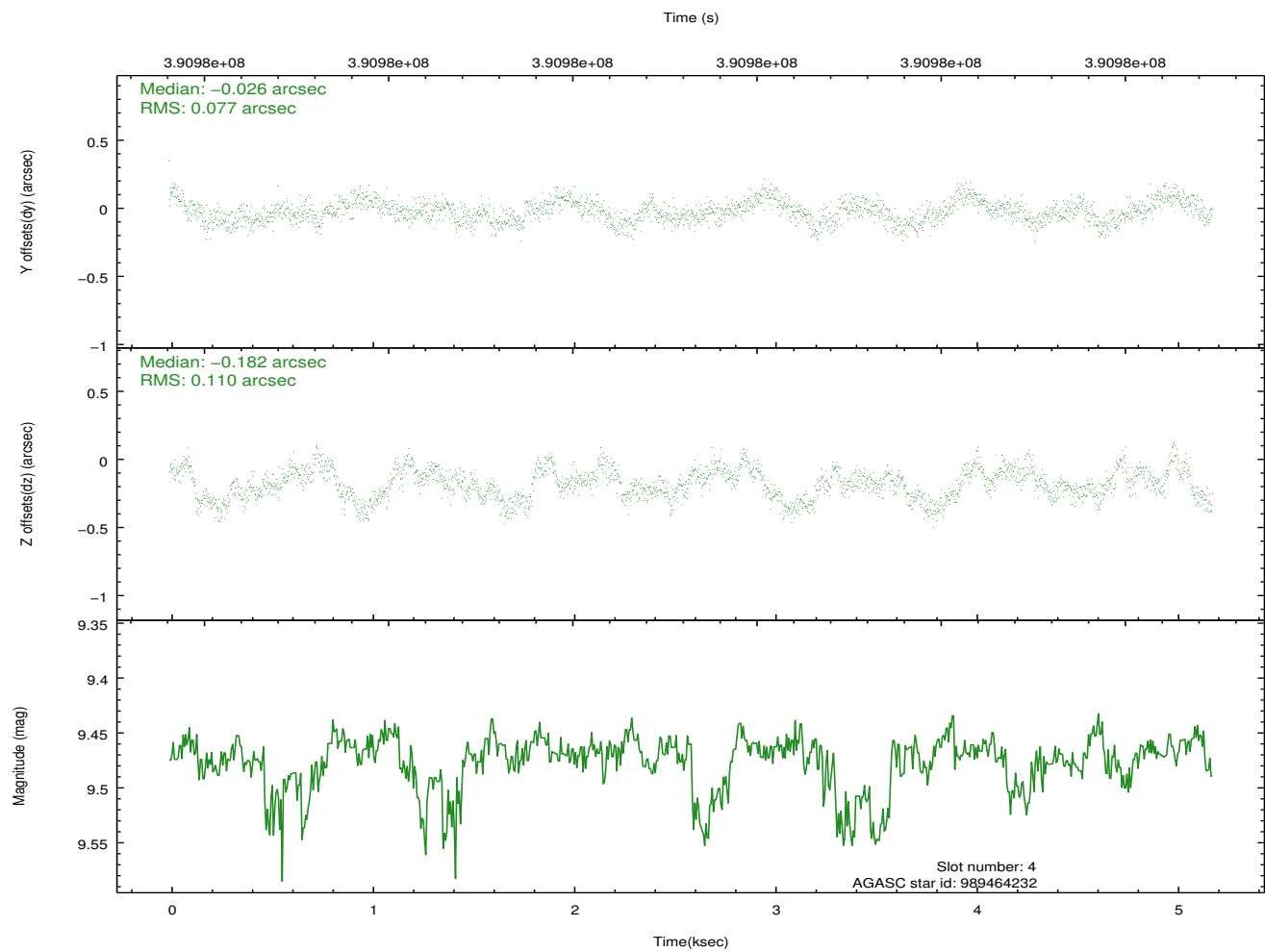
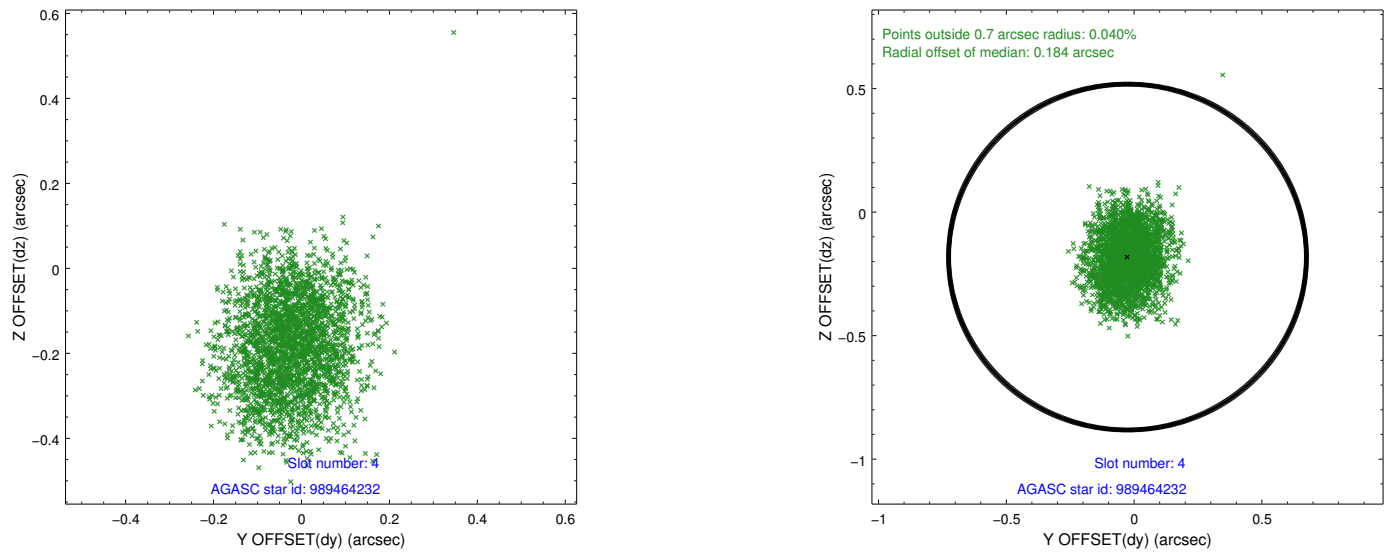
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1264	-0.095	-0.016	0.008	0.013	0.000000	0.000000	-768.90	-1737.31
1	FID	ACIS-S-4	6.98	1264	0.182	0.050	0.008	0.021	0.000000	0.000000	2144.11	170.04
2	FID	ACIS-S-5	7.00	1264	-0.119	-0.025	0.008	0.016	0.000000	0.000000	-1820.28	164.95
3	GUIDE	989464056	6.66	2529	-0.162	0.085	0.058	0.093	29.735893	-42.949136	769.25	-1502.62
4	GUIDE	989464232	9.47	2528	-0.026	-0.182	0.143	0.225	29.286358	-43.452579	880.48	656.74
5	GUIDE	989464976	9.23	2528	-0.006	0.149	0.107	0.174	28.960994	-43.047006	2354.86	-170.28
6	GUIDE	989467528	8.20	2525	0.007	0.082	0.074	0.125	29.209436	-43.178151	1552.78	-94.30
7	GUIDE	989470600	9.42	2521	0.189	-0.126	0.106	0.167	29.755442	-43.921156	-1023.21	1502.51

2.4 Star Slots

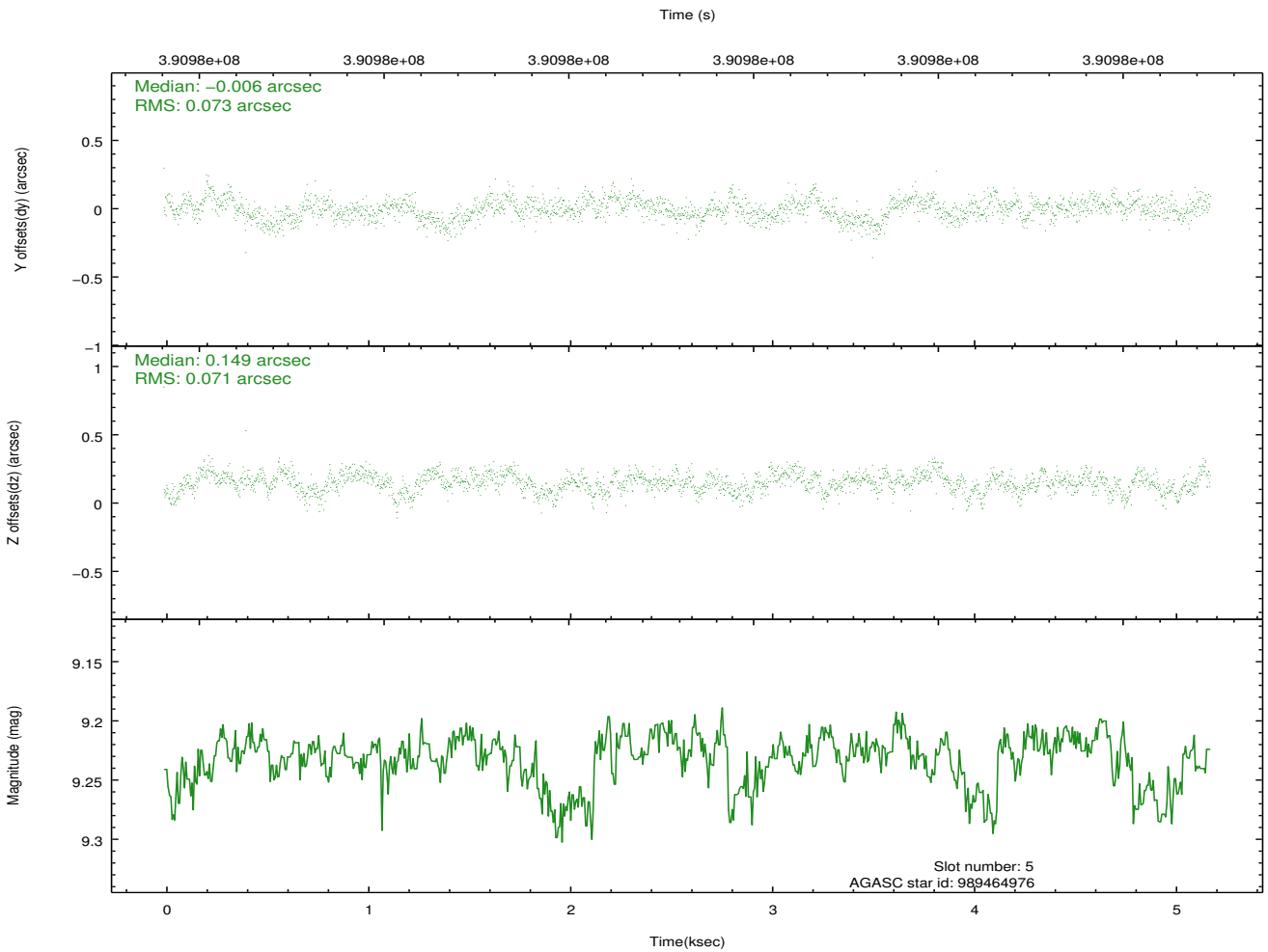
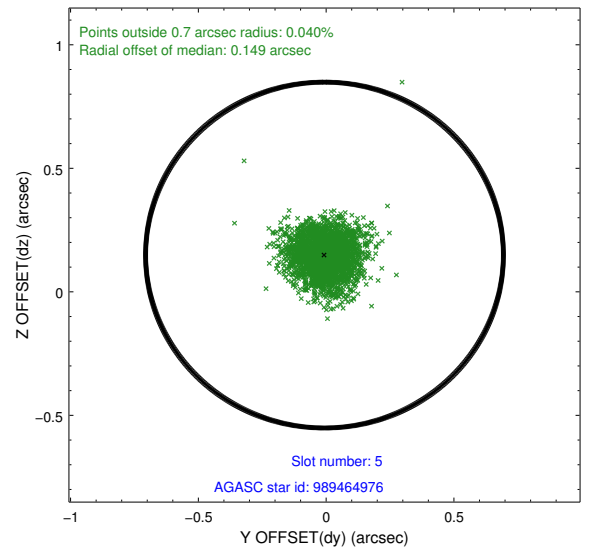
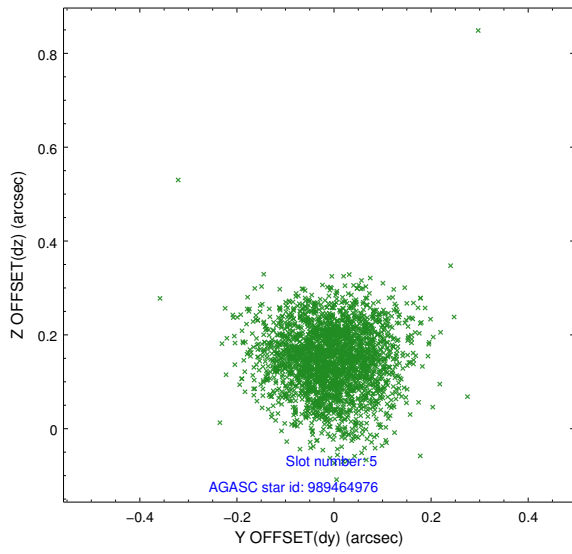
2.4.1 Slot 3



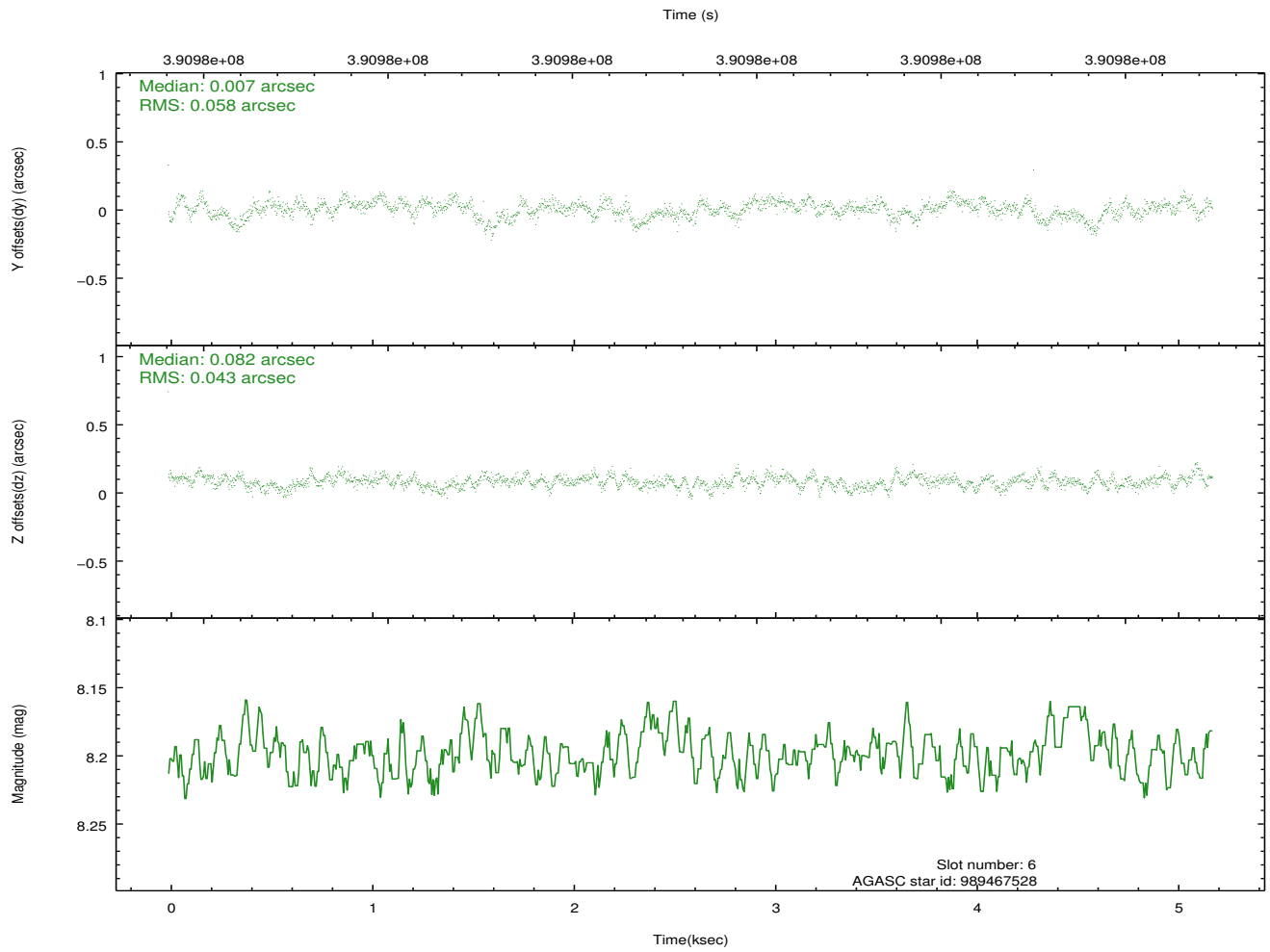
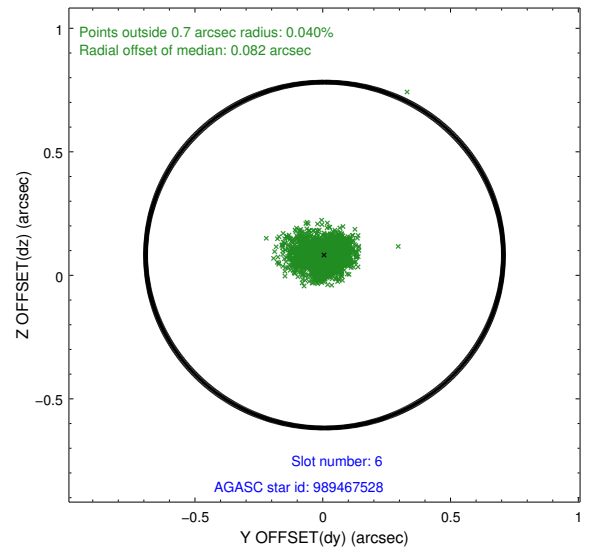
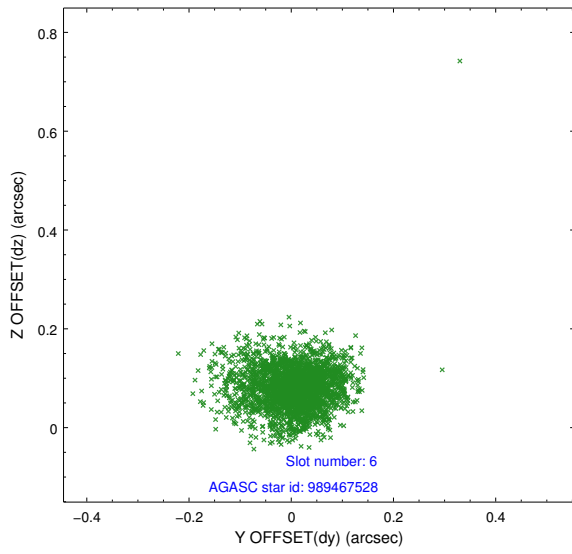
2.4.2 Slot 4



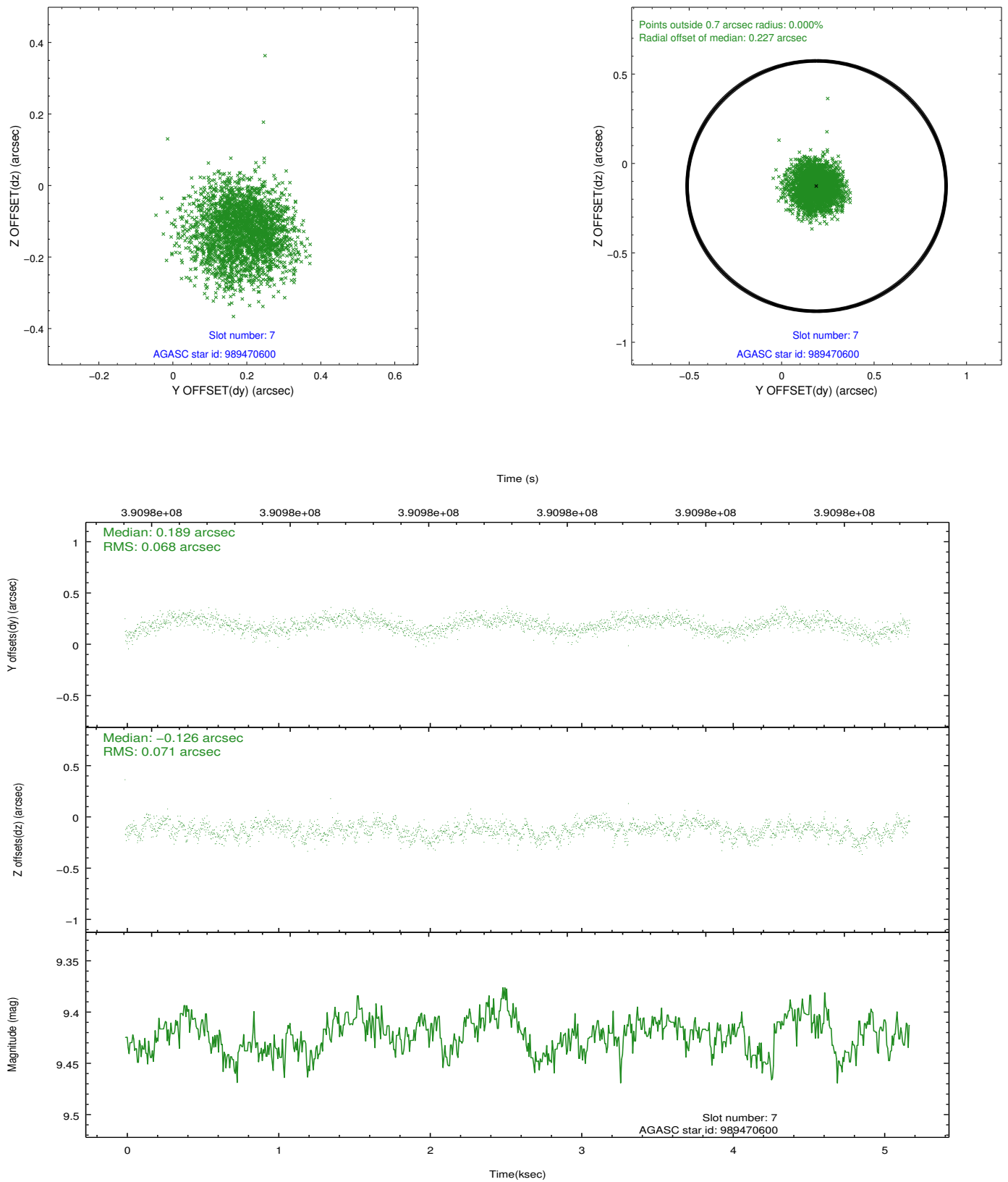
2.4.3 Slot 5



2.4.4 Slot 6

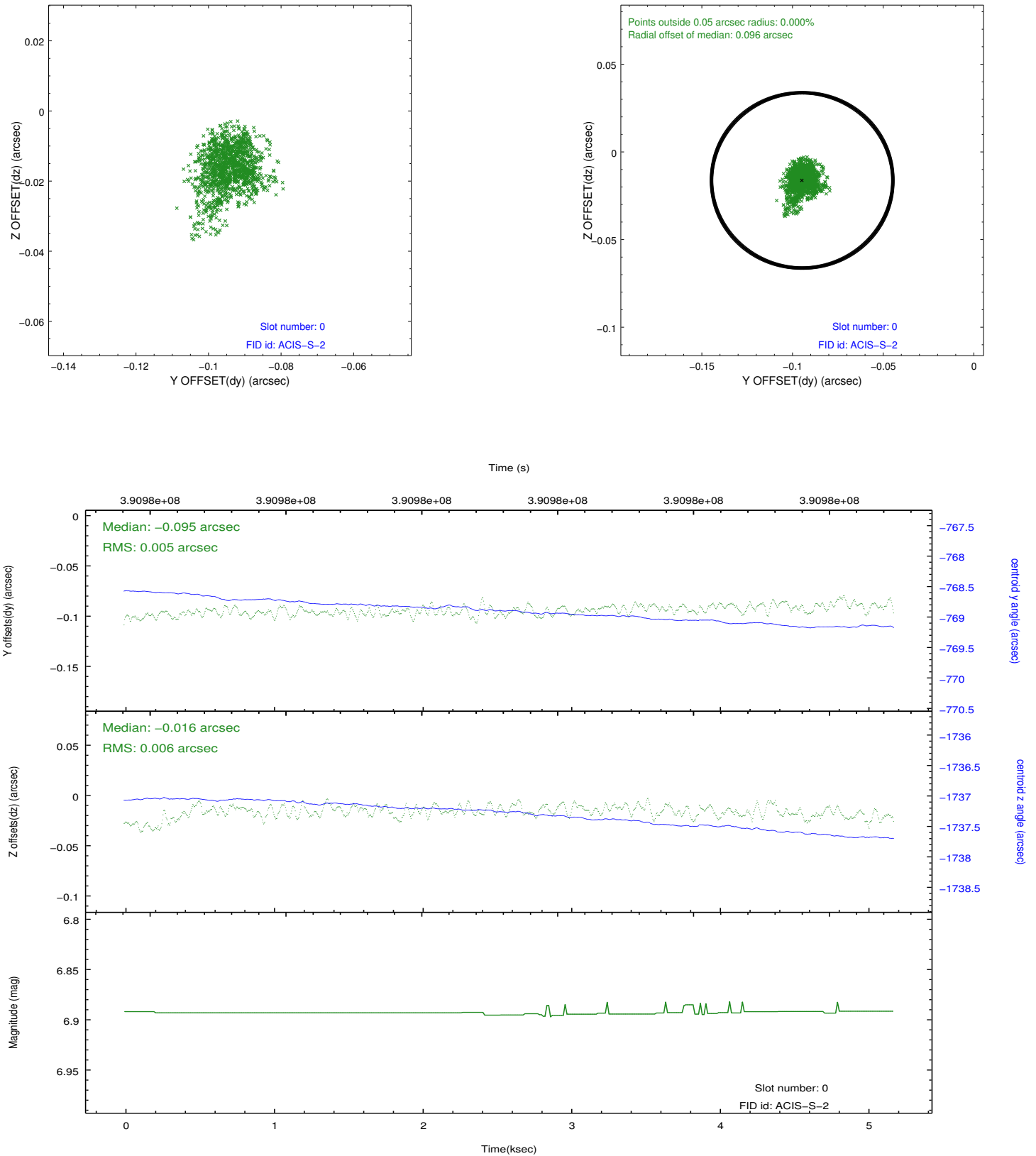


2.4.5 Slot 7

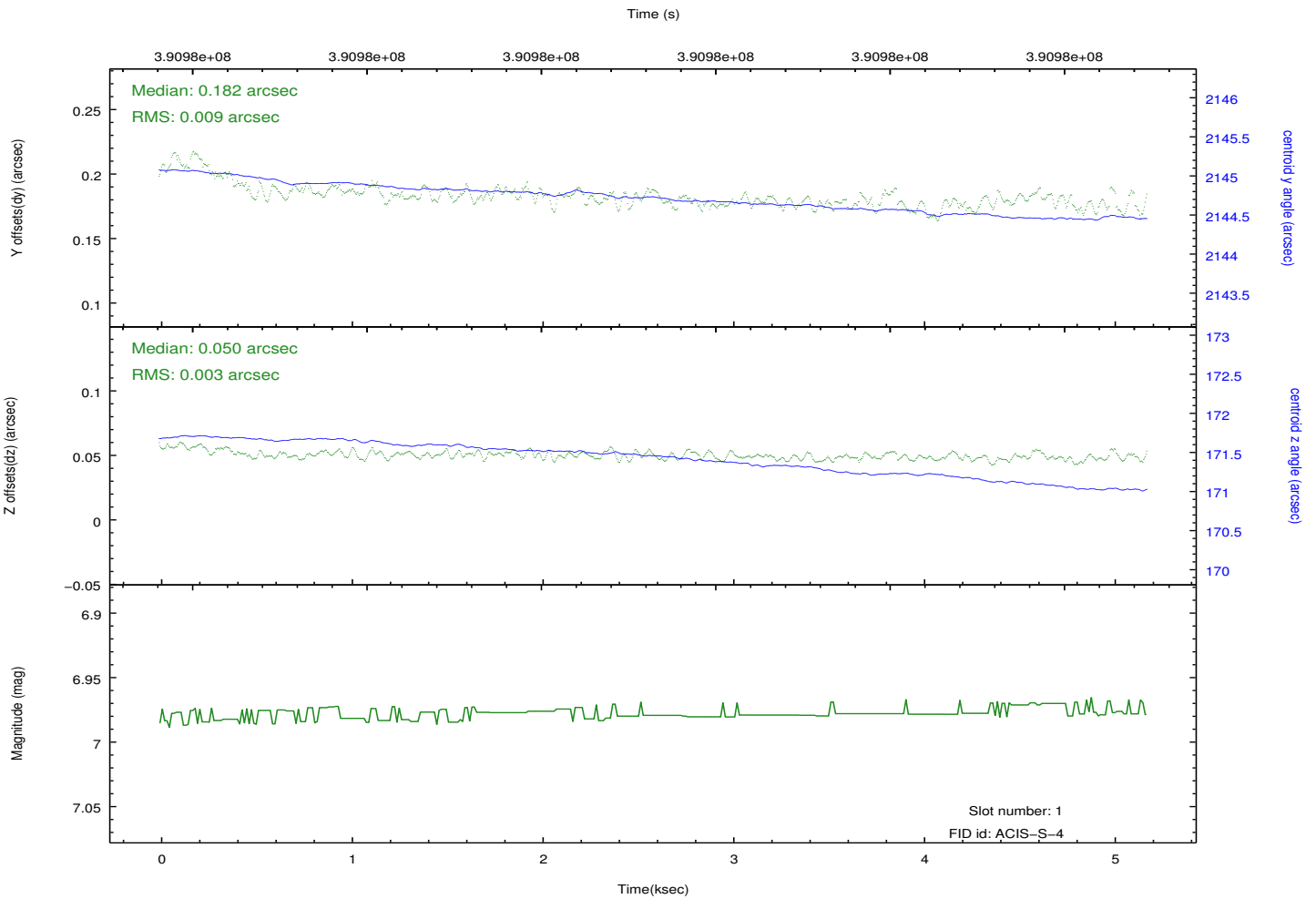
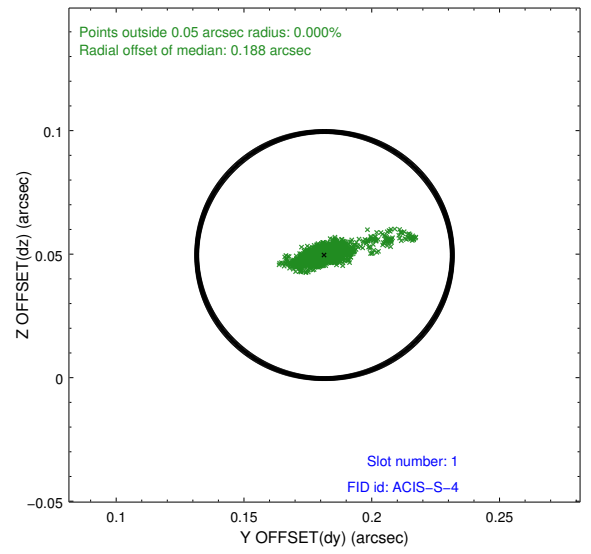
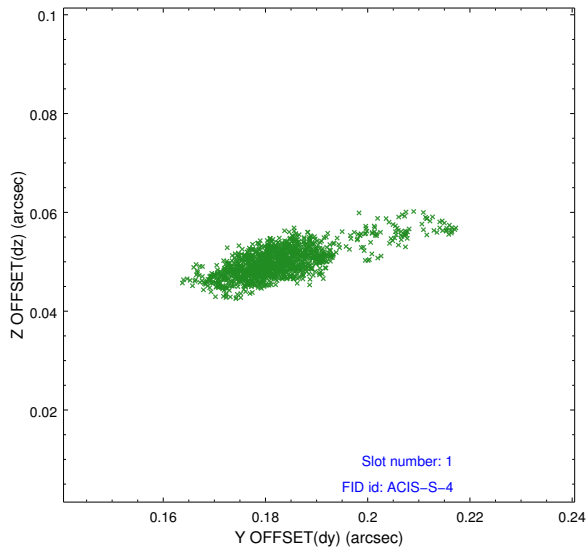


2.5 FID Slots

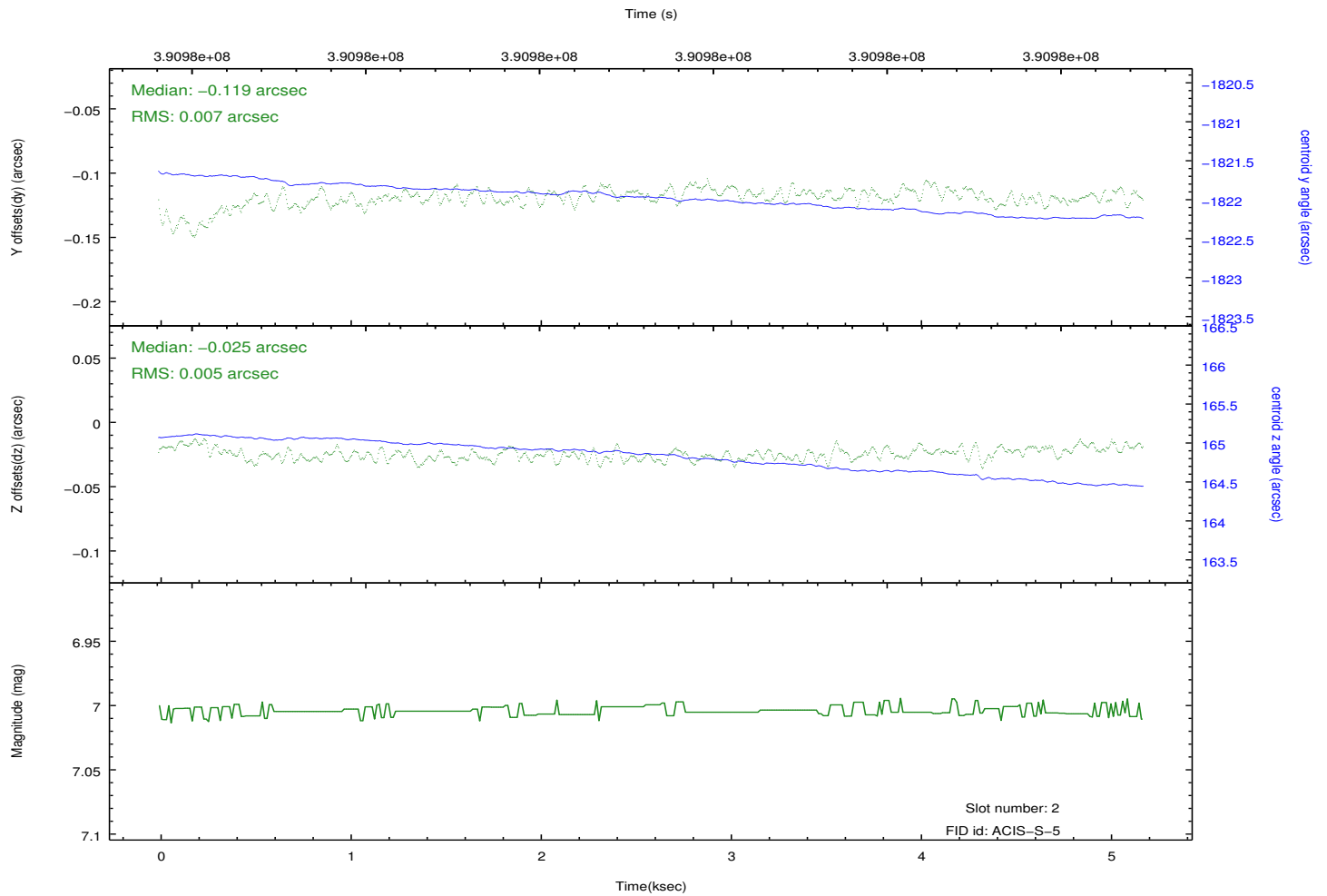
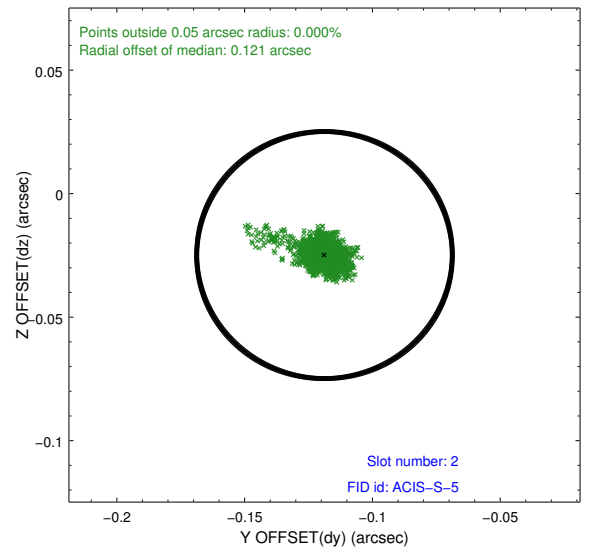
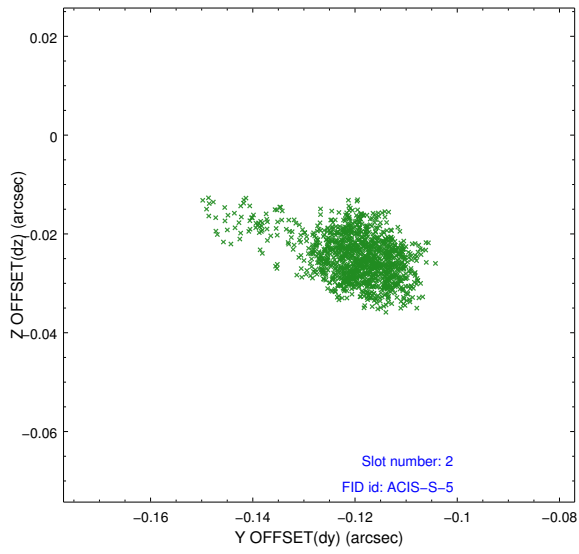
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.060899964571

A.2 Comments