

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7270 - L2 Version 2
Chandra X-Ray Center

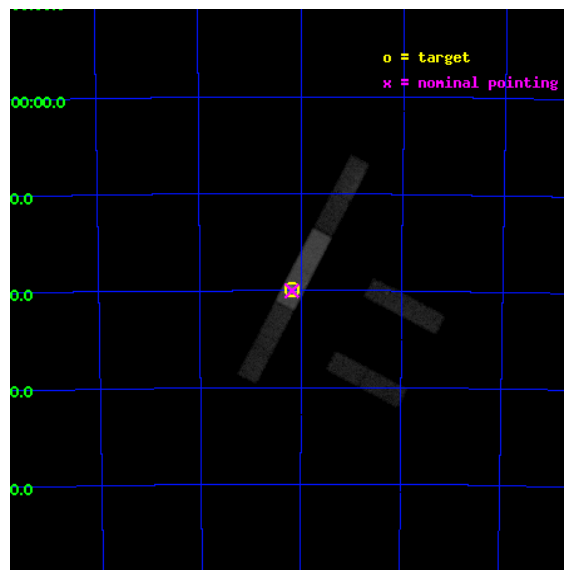
L2 Processing Date : Mar 25 2012

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1 Front

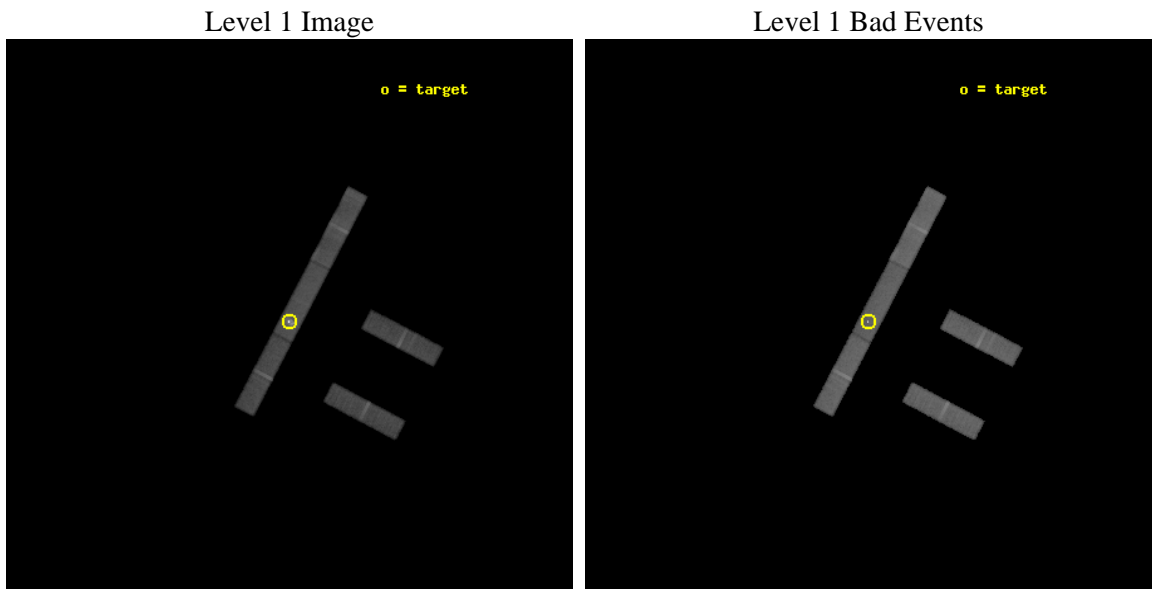
seq_num	500538	Sequence number
obs_id	7270	Observation id
title	A Deep Chandra Observation of O-Rich SNR 0540-69.3 in the LMC	Prop
observer	DR. Sangwook Park	Principal investigator
object	SNR 0540-69.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	85.046667	Observer's specified target RA [deg]
dec_targ	-69.331972	Observer's specified target Dec [deg]
ra_nom	85.044116940804	Nominal RA [deg]
dec_nom	-69.333857252244	Nominal Dec [deg]
roll_nom	297.6542372223	Nominal Roll [deg]
revision	2	Processing version of data
ontime	39980.879745066	Sum of GTIs [s]
livetime	38404.748852173	Livetime [s]
ontime2	39980.715585053	Sum of GTIs [s]
ontime3	39980.79766506	Sum of GTIs [s]
ontime6	39979.797694951	Sum of GTIs [s]
ontime7	39980.879745066	Sum of GTIs [s]
ontime8	39980.756625056	Sum of GTIs [s]
l2events	207311	Number of level 2 events



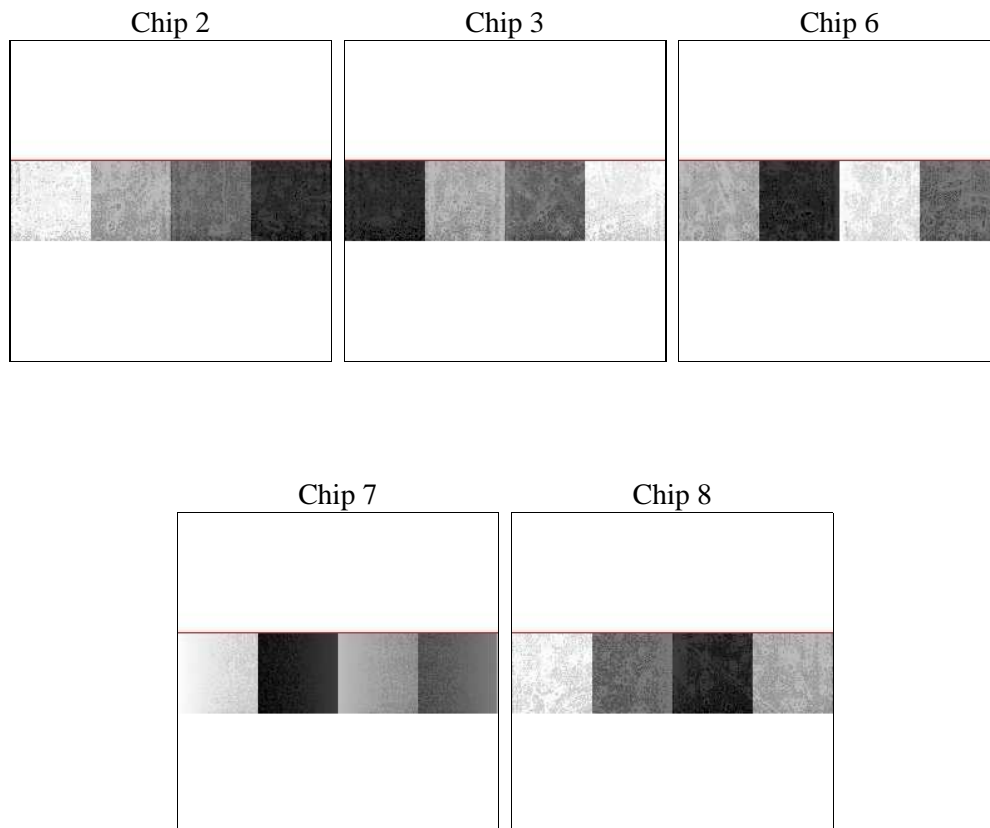
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	39980.879745066	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	39980.715585053	Sum of GTIs [s]
date	2012-03-25T16:35:11	Date and time of file creation	ontime3	39980.79766506	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	39979.797694951	Sum of GTIs [s]
			ontime7	39980.879745066	Sum of GTIs [s]
			ontime8	39980.756625056	Sum of GTIs [s]
			l1events	709386	Number of level 1 events

2.1.4 Events

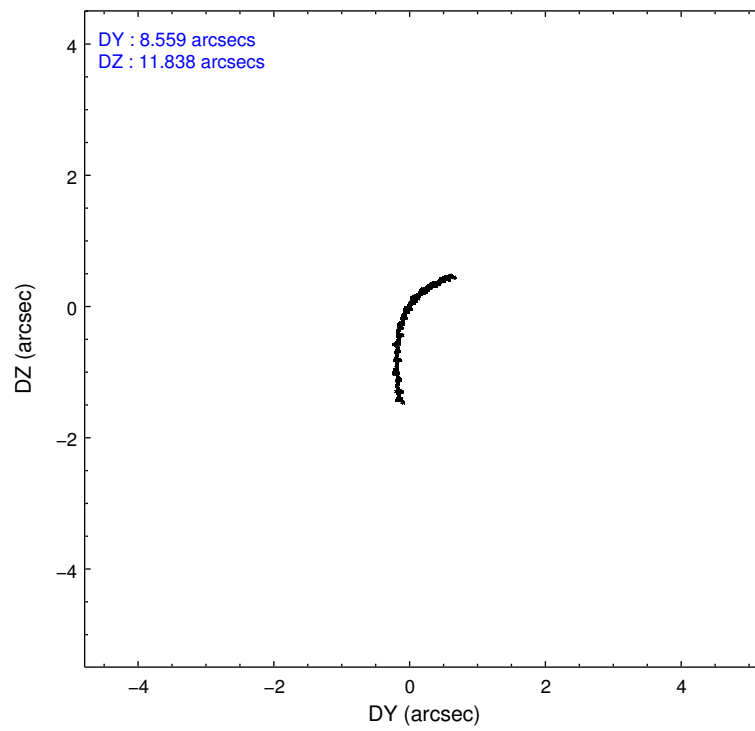
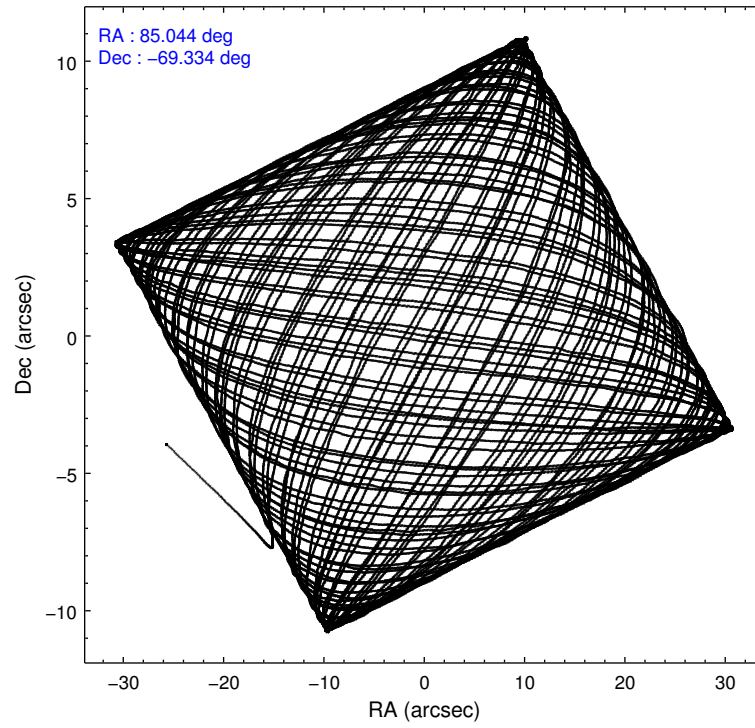
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	102390	102694	110246	252080	141976
rejected events	88775	88301	94152	95388	110411
rejected %	86%	85%	85%	37%	77%

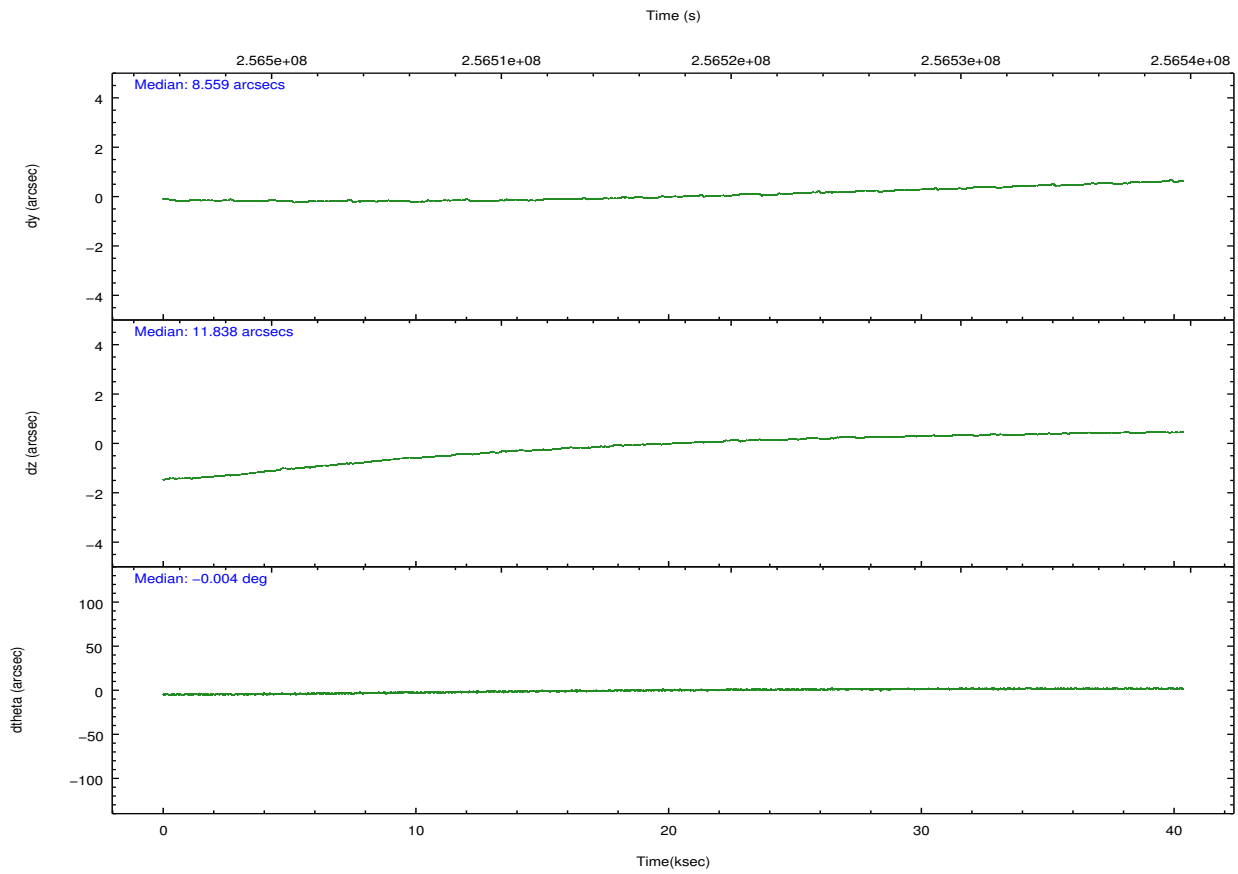
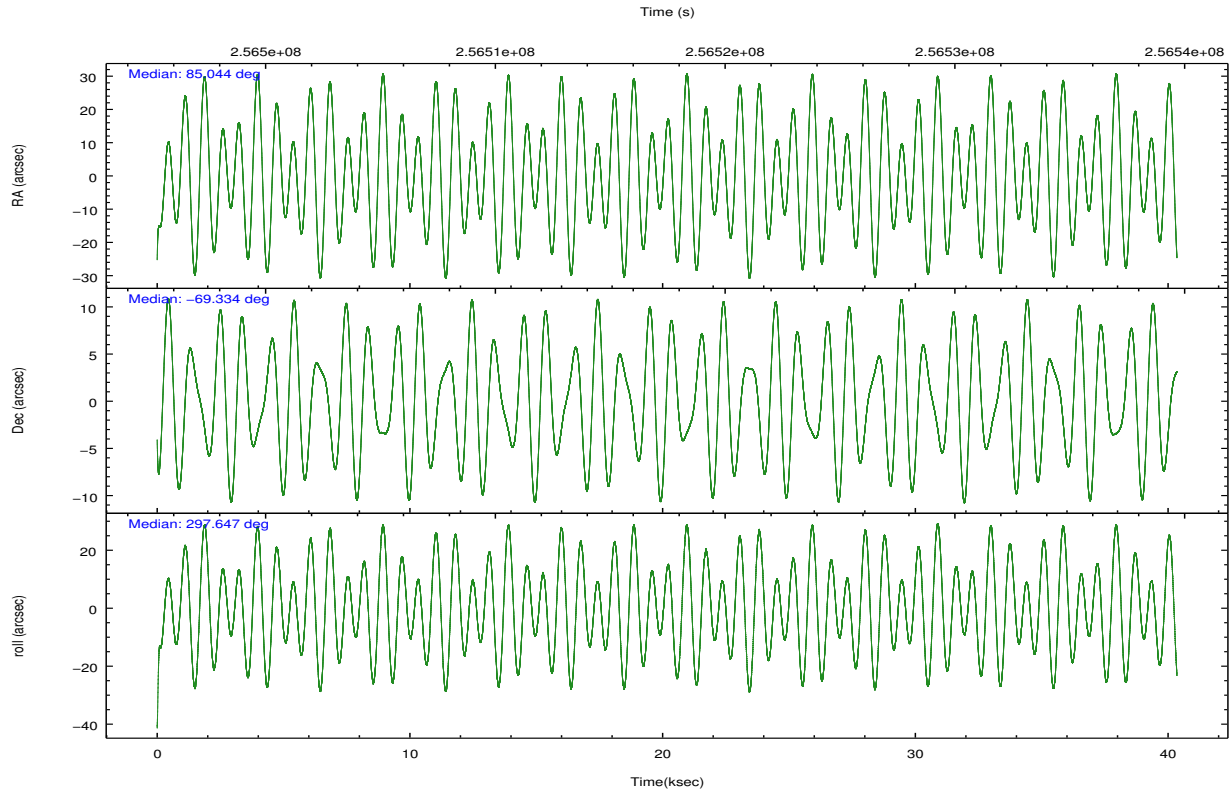
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6206	6912	7804	28418	11940
	6%	6%	7%	11%	8%
grade 1 events	30	43	39	2390	51
	0%	0%	0%	0%	0%
grade 2 events	2306	2292	2542	37348	6065
	2%	2%	2%	14%	4%
grade 3 events	1613	1697	1704	17316	3238
	1%	1%	1%	6%	2%
grade 4 events	1614	1550	1660	16713	3036
	1%	1%	1%	6%	2%
grade 5 events	3118	3992	4377	19305	5232
	3%	3%	3%	7%	3%
grade 6 events	1876	1942	2385	56900	7287
	1%	1%	2%	22%	5%
grade 7 events	85627	84266	89735	73690	105127
	83%	82%	81%	29%	74%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	84.978396	85.04411694080363	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-69.319575	-69.33385725224376	Subarray start row	385	385
[deg] Pointing Roll	297.436126	297.6542372222978	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	256497447.184000	256496370.4656			
Observation start date	2006-02-16T17:16:22	2006-02-16T16:59:30			
[s] Observation end time (MET)	256537647.184000	256538409.81756			
Observation end date	2006-02-17T04:26:22	2006-02-17T04:40:09			
Read mode	TIMED	TIMED			

2.3 Aspect



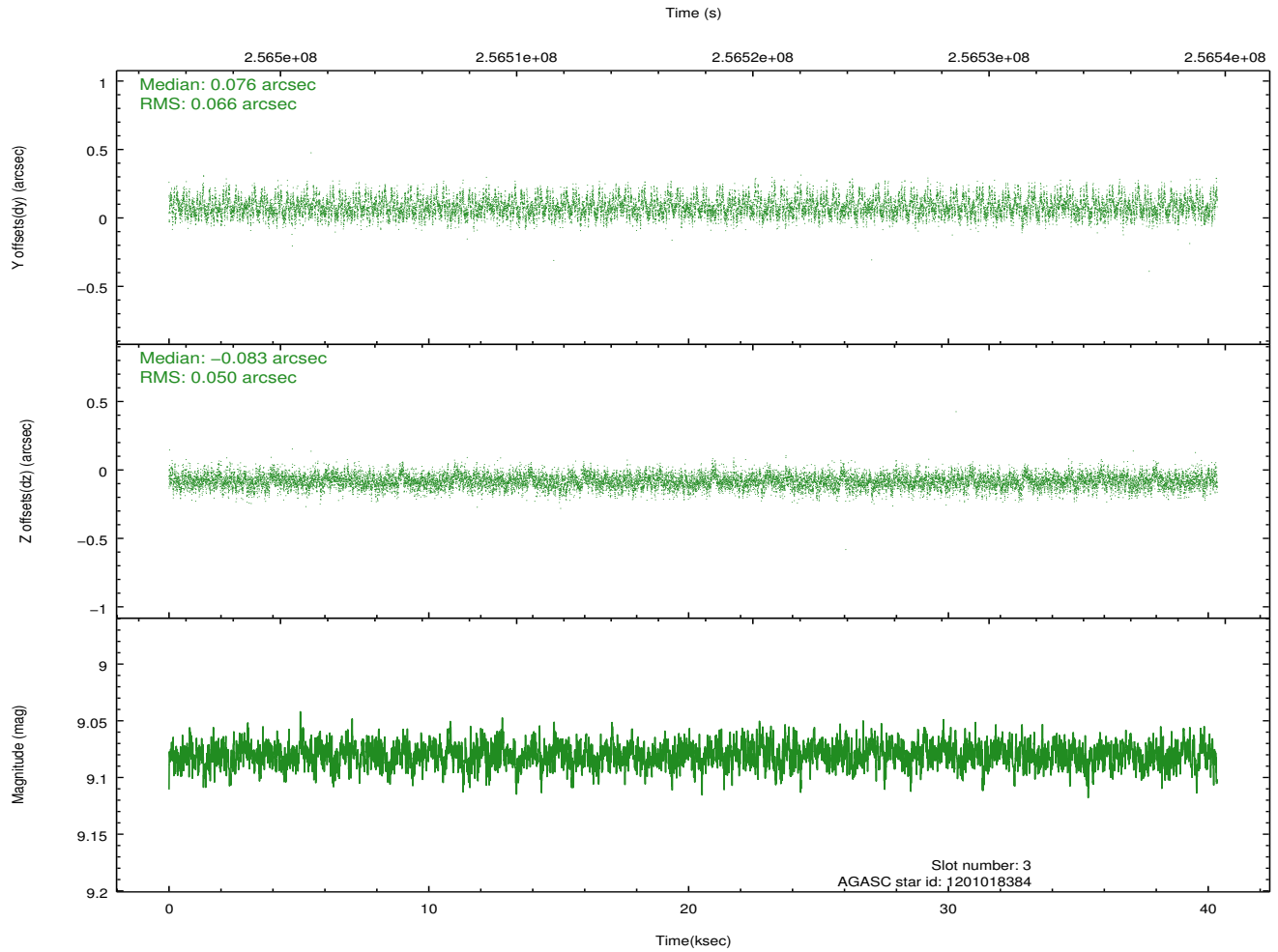
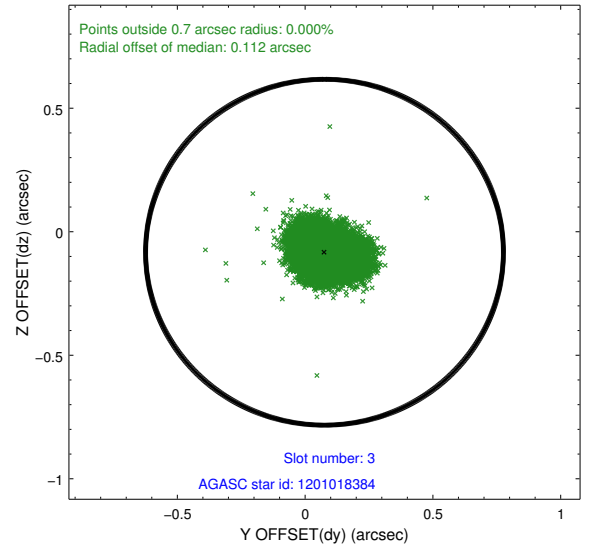
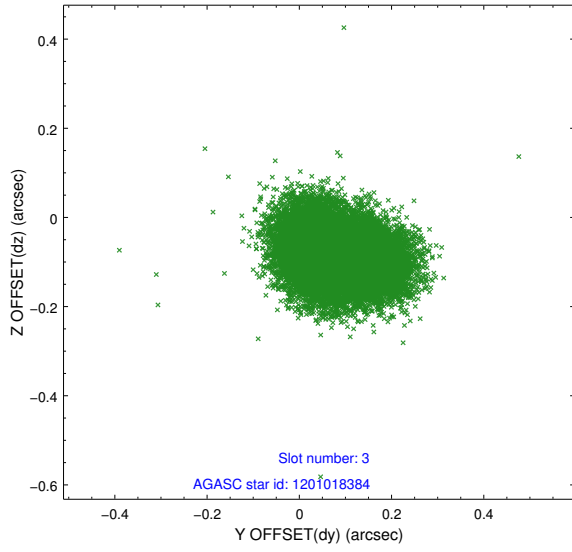


Slot Statistics

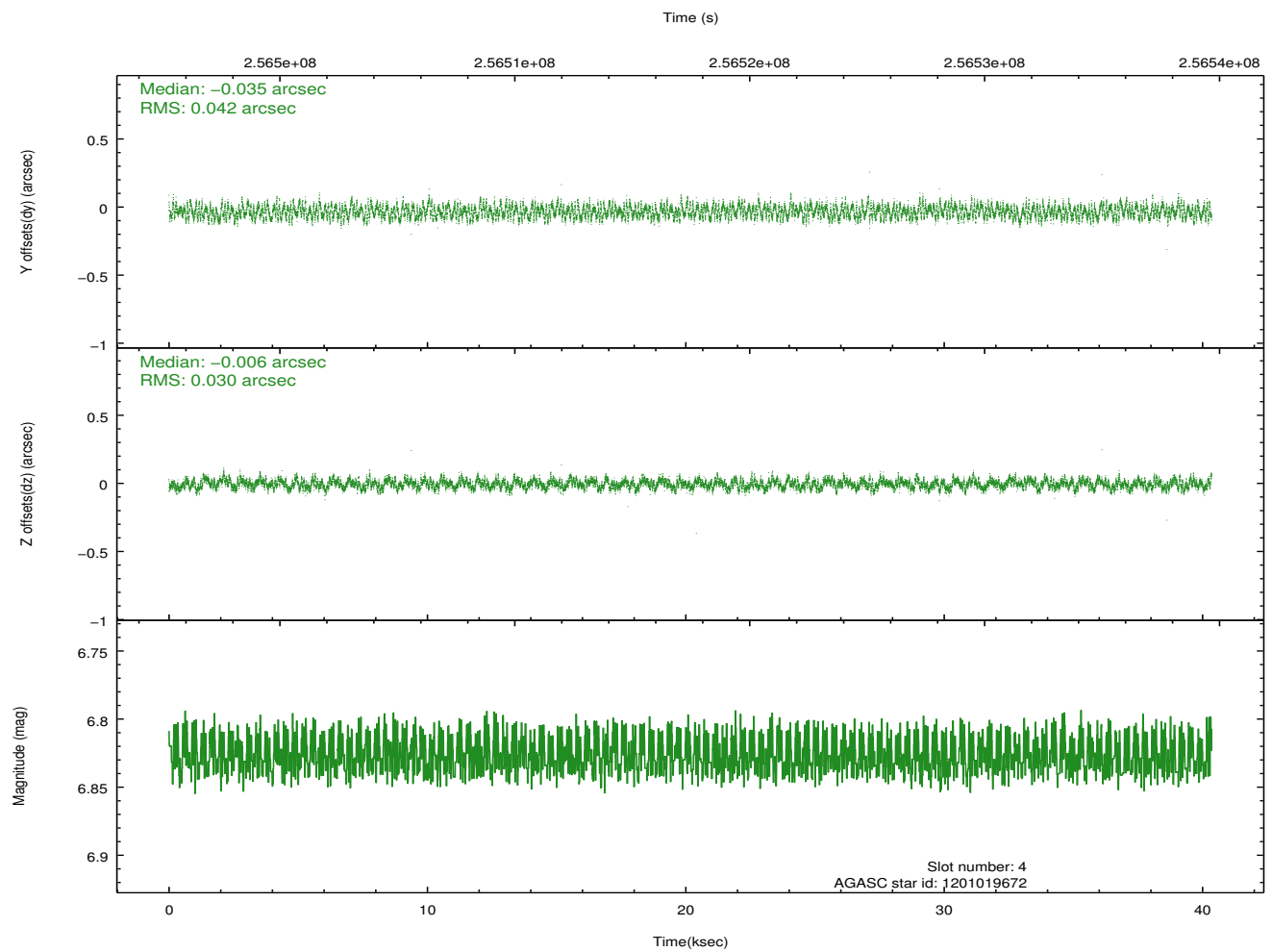
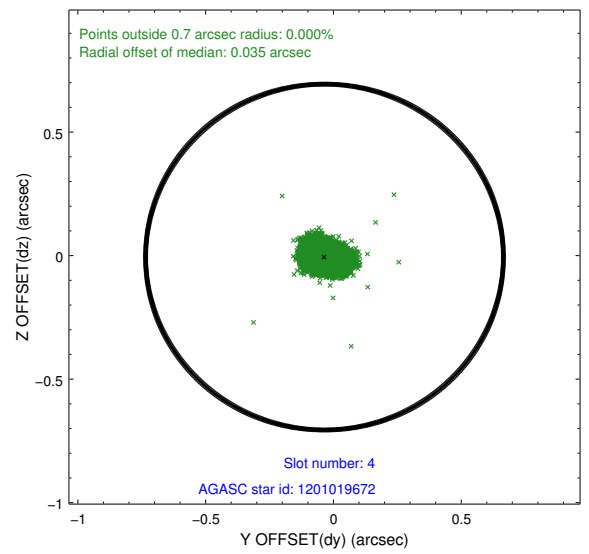
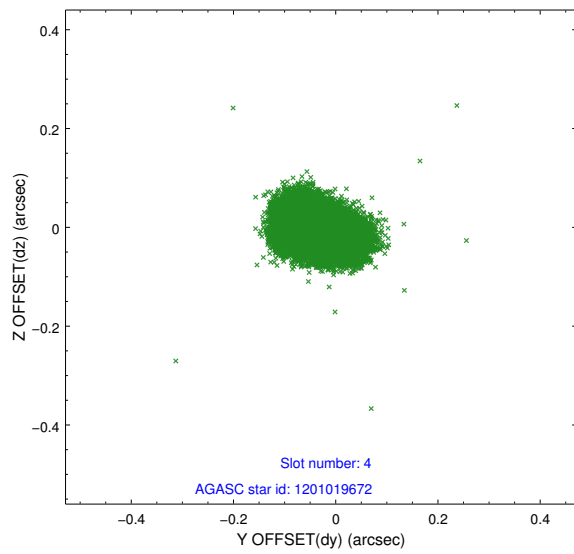
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9841	-0.018	-0.019	0.017	0.026	0.000000	0.000000	-761.44	-1732.92
1	FID	ACIS-S-4	7.20	9841	0.122	0.015	0.009	0.016	0.000000	0.000000	2151.96	175.60
2	FID	ACIS-S-5	7.23	9840	-0.132	0.014	0.020	0.028	0.000000	0.000000	-1814.39	169.26
3	GUIDE	1201018384	9.08	19680	0.076	-0.083	0.088	0.144	85.801362	-68.593260	-1815.97	2161.41
4	GUIDE	1201019672	6.83	19682	-0.035	-0.006	0.055	0.086	85.312192	-68.770187	-1553.93	1297.14
5	GUIDE	1201020040	8.59	19676	0.054	-0.017	0.058	0.094	85.379163	-68.879396	-1165.37	1190.94
6	GUIDE	1201540776	9.59	19658	0.012	0.054	0.111	0.176	85.107945	-69.858480	1796.23	-750.86
7	GUIDE	1201542672	8.21	19613	-0.110	0.052	0.079	0.133	84.492488	-69.957531	1763.86	-1590.14

2.4 Star Slots

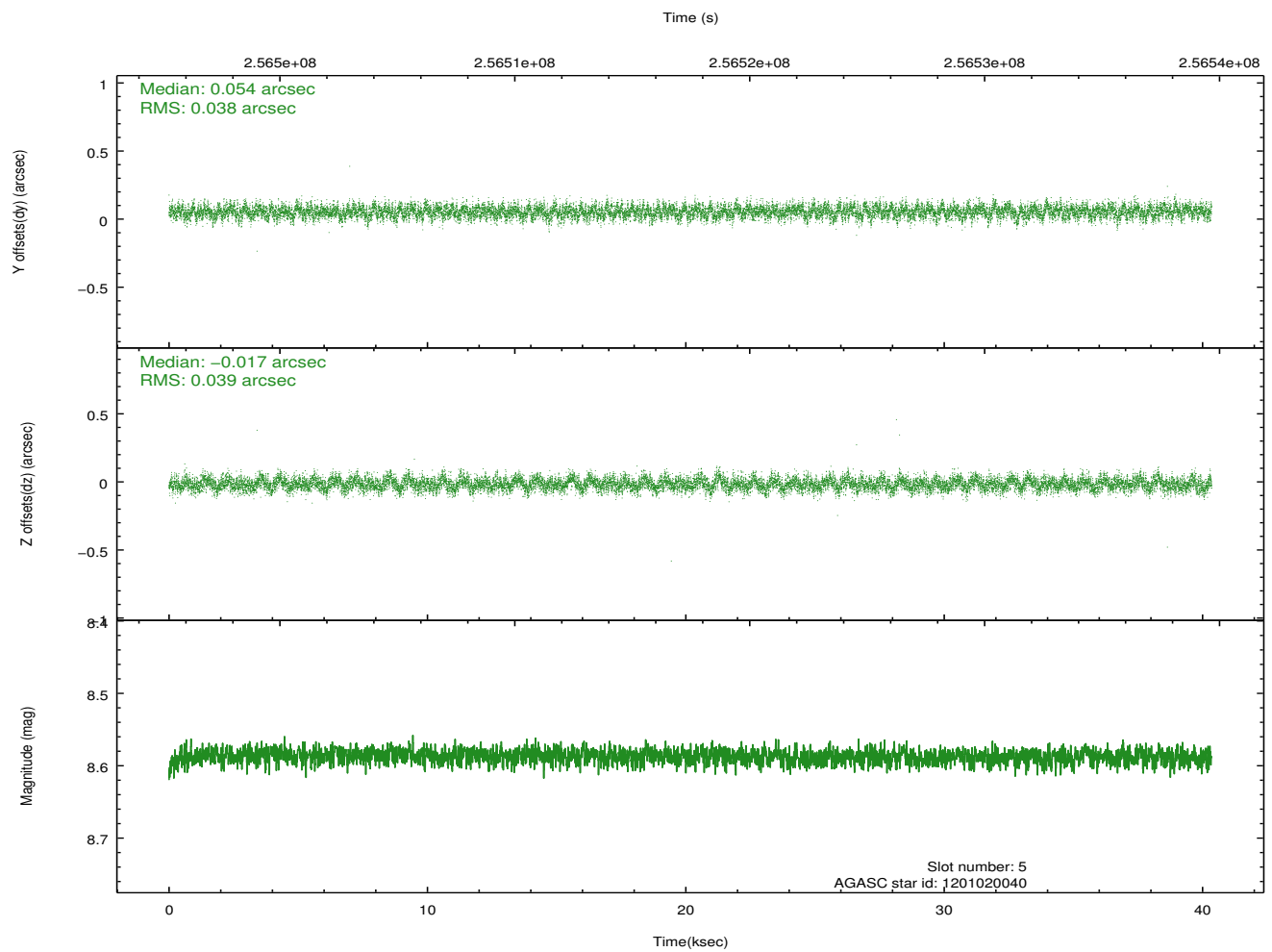
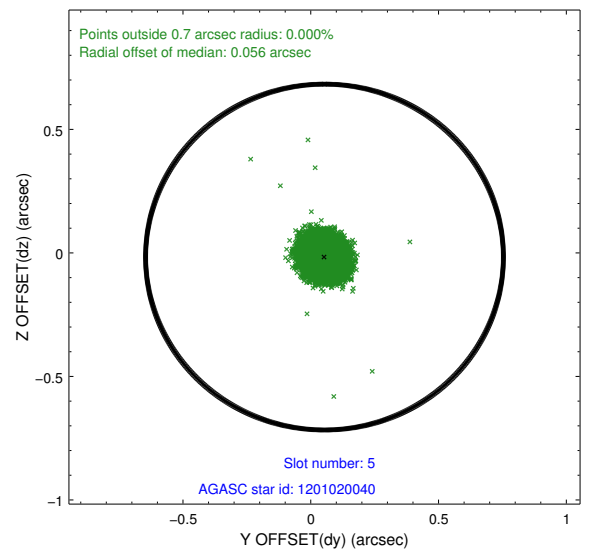
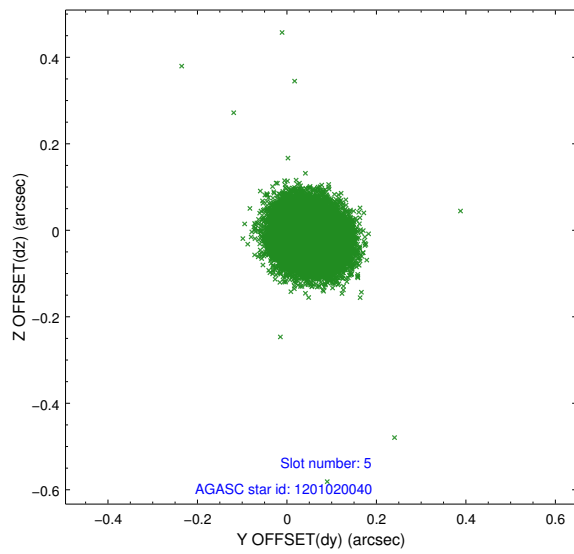
2.4.1 Slot 3



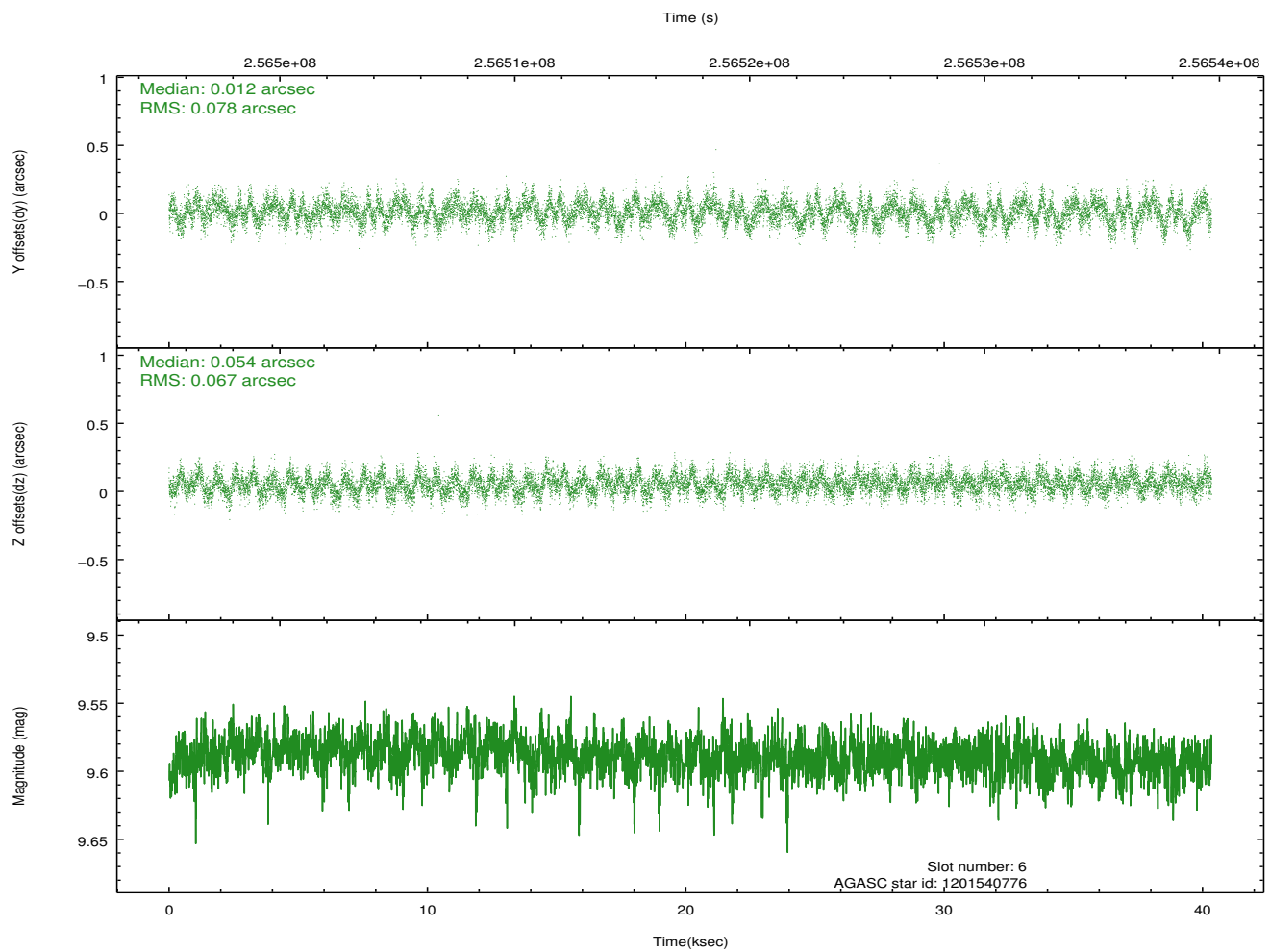
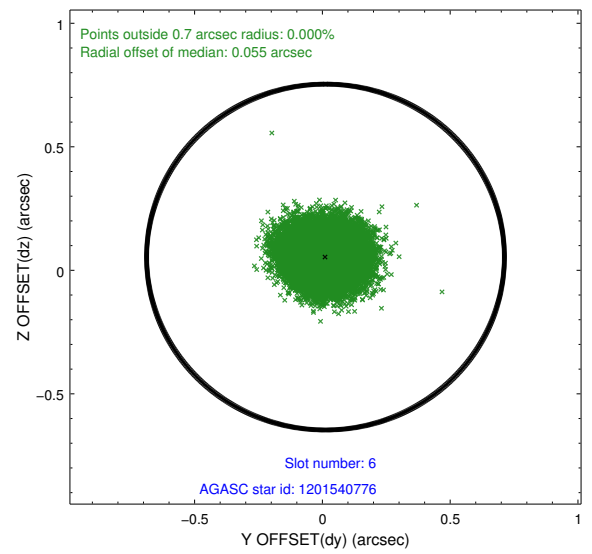
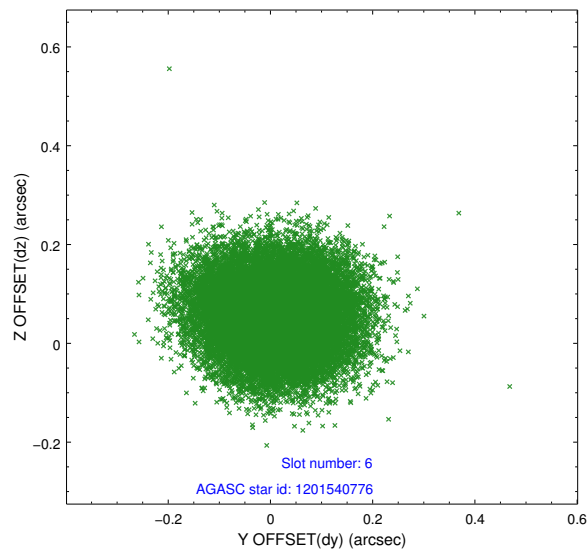
2.4.2 Slot 4



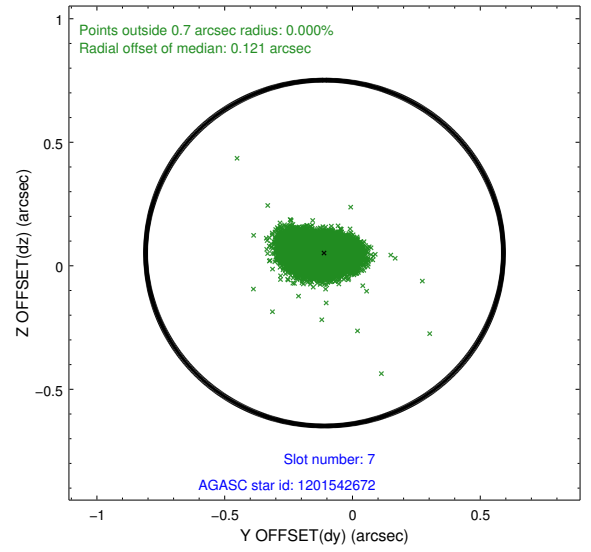
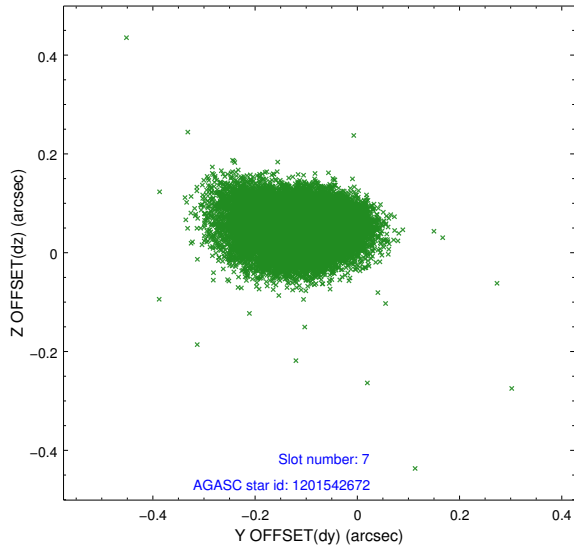
2.4.3 Slot 5



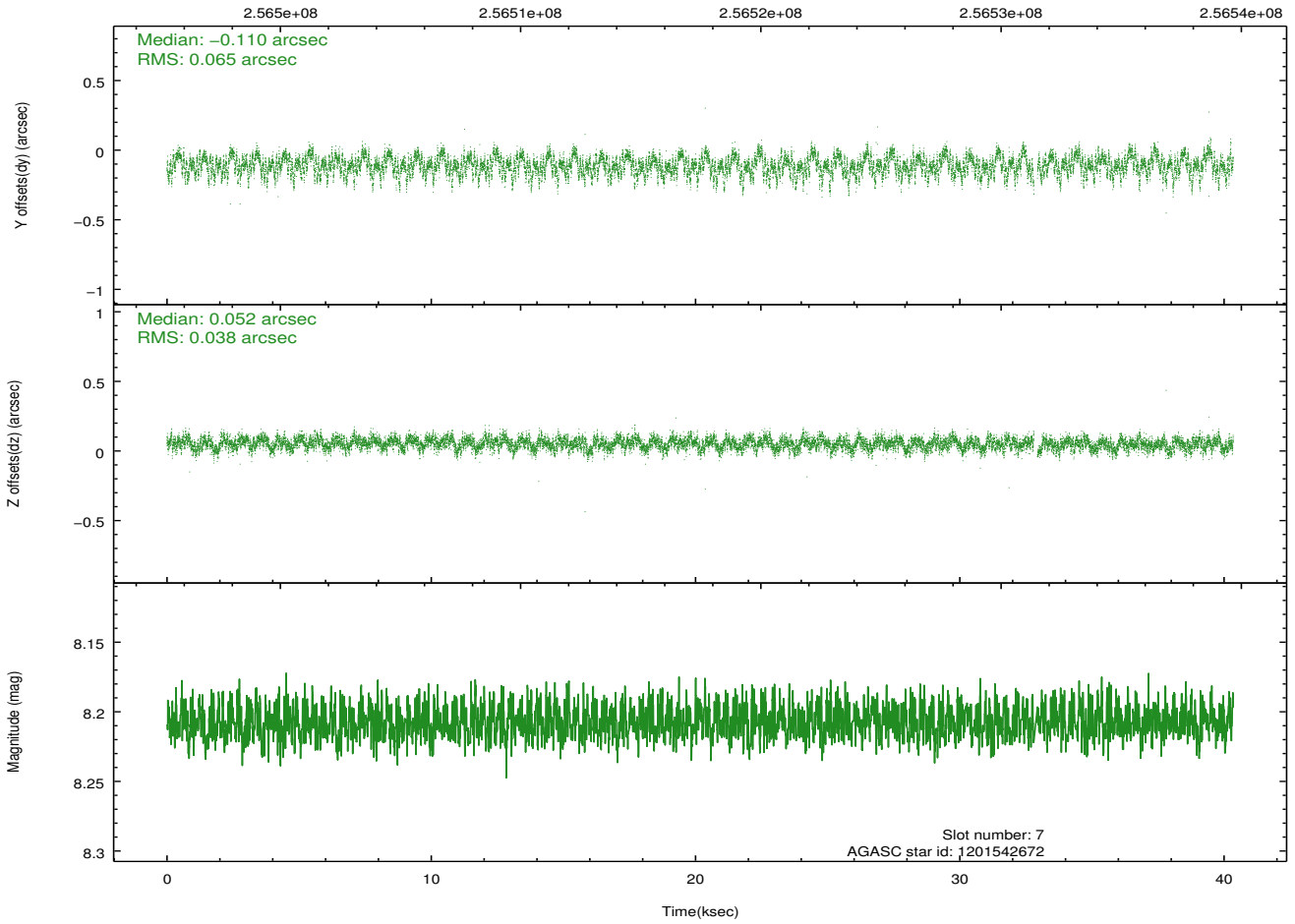
2.4.4 Slot 6



2.4.5 Slot 7

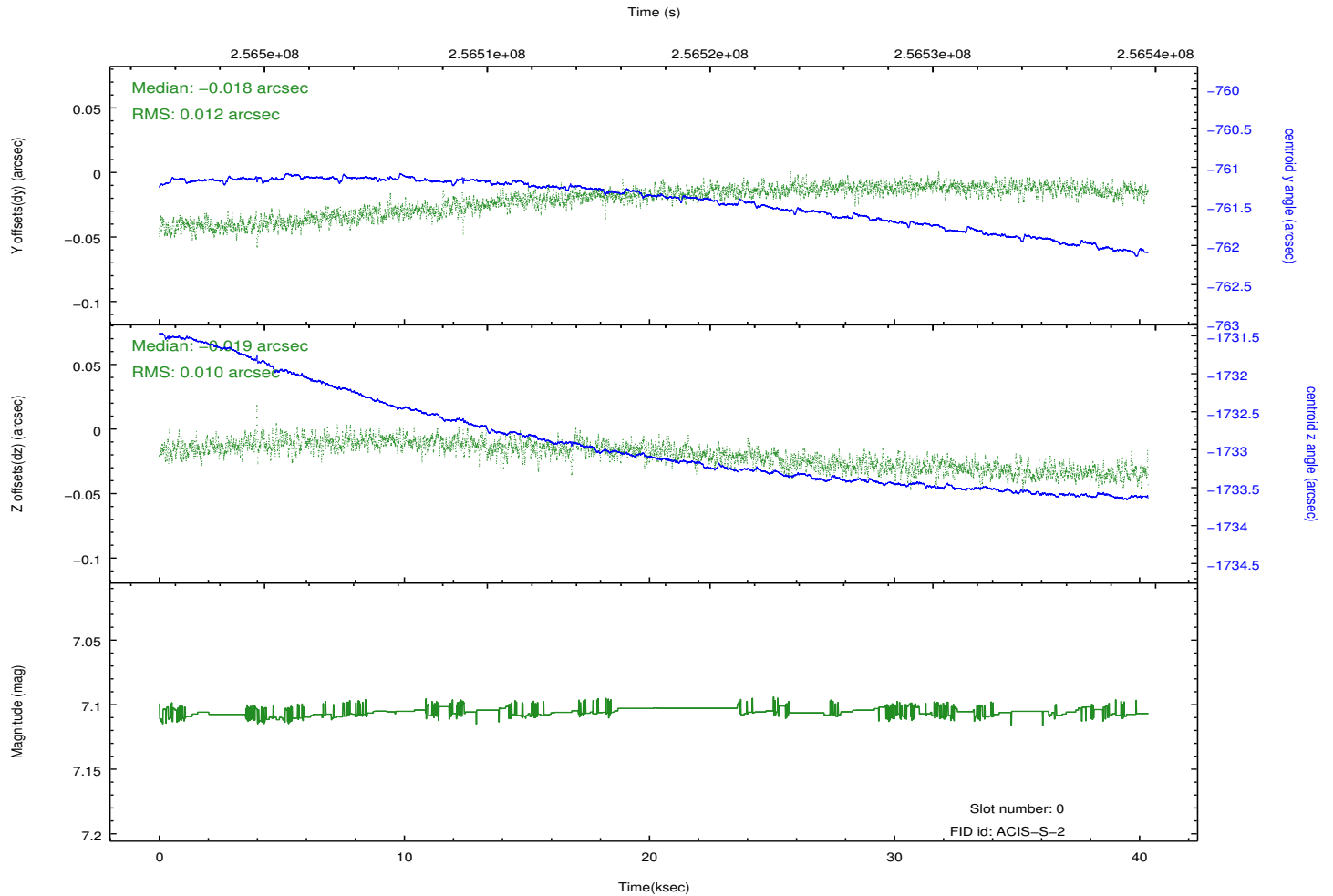
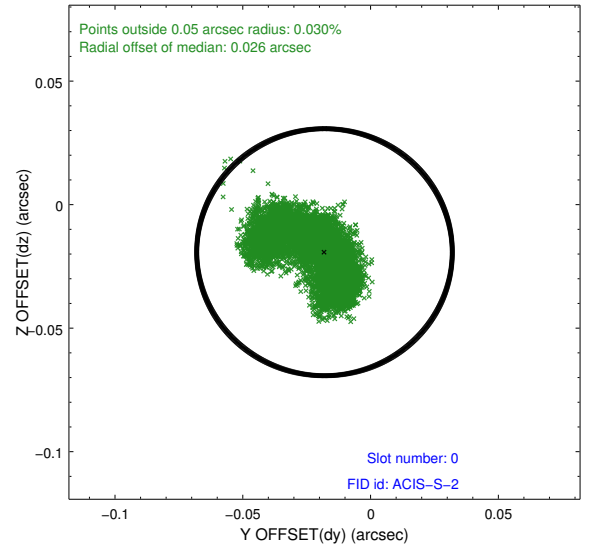
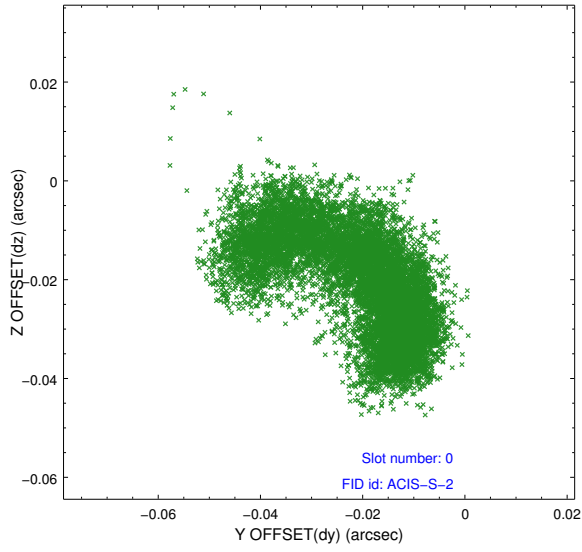


Time (s)

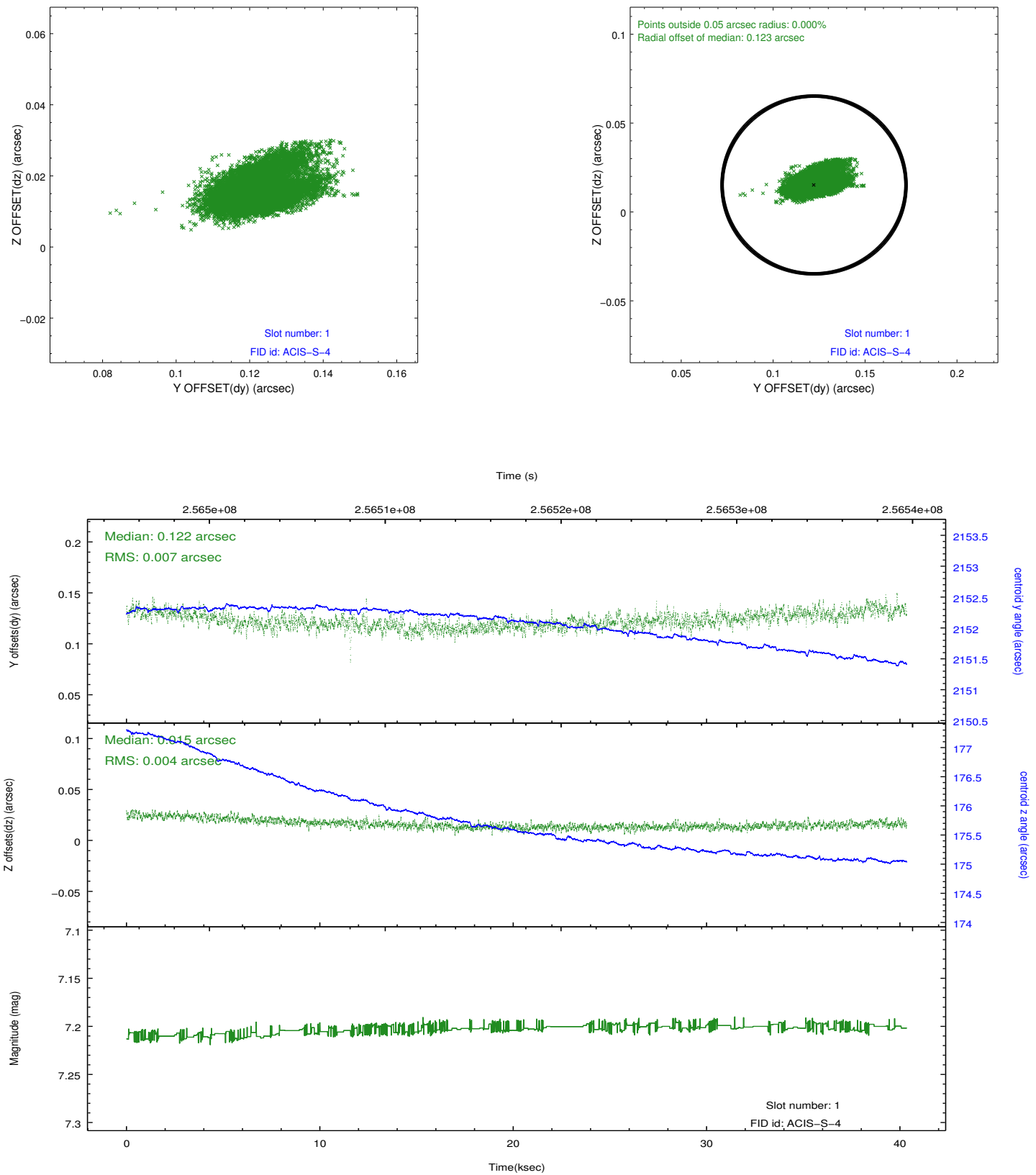


2.5 FID Slots

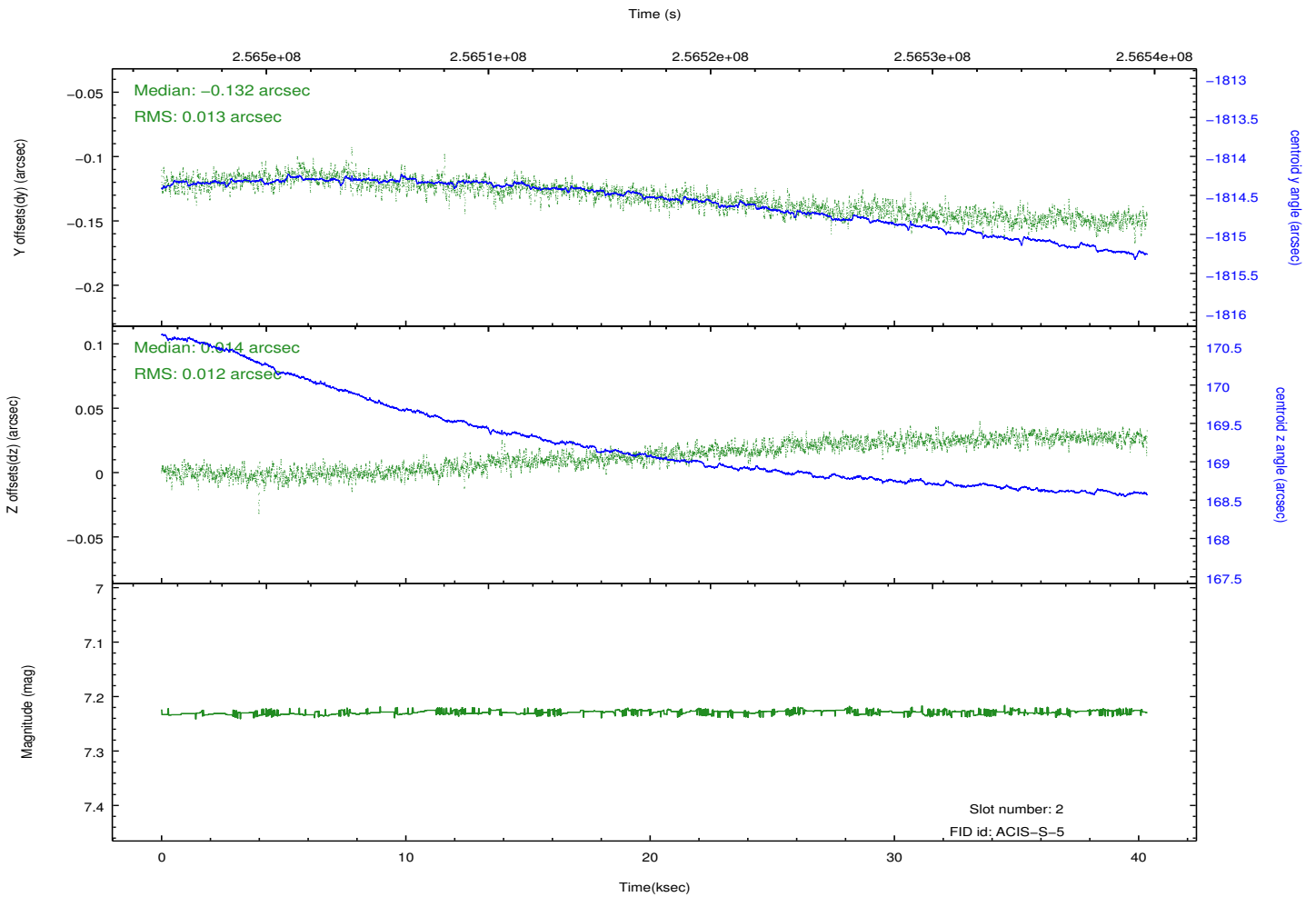
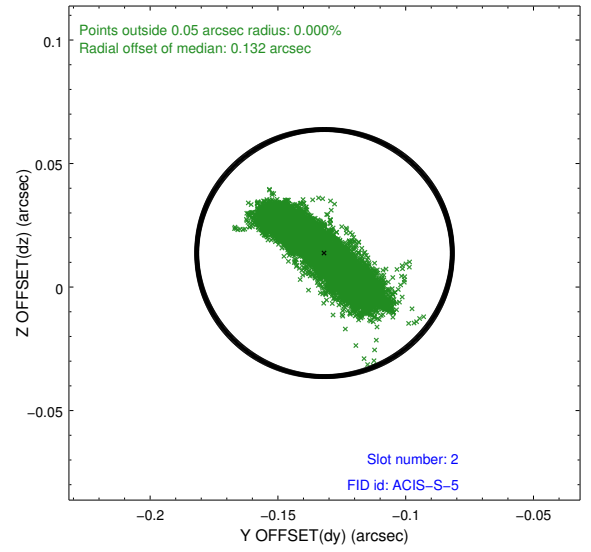
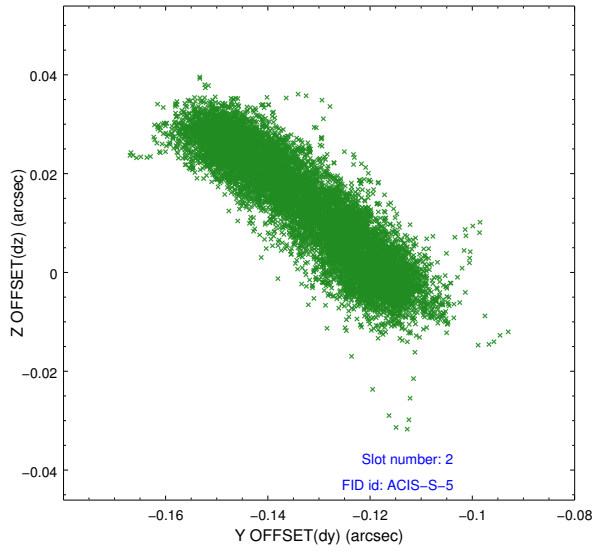
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.981

A.2 Comments