

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6939 - L2 Version 2
Chandra X-Ray Center

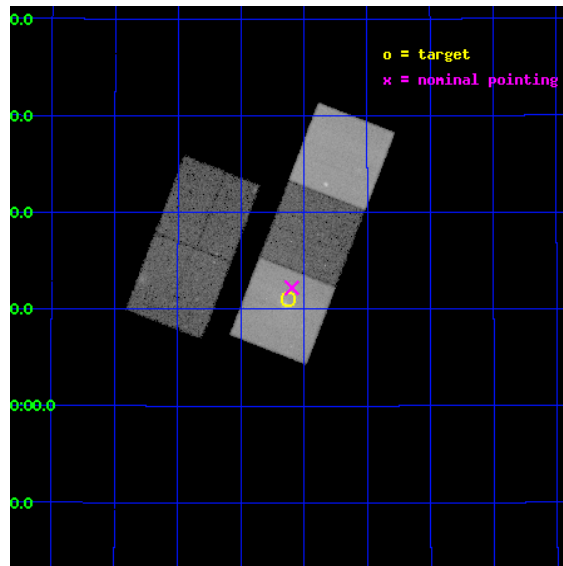
L2 Processing Date : Mar 25 2012

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1 Front

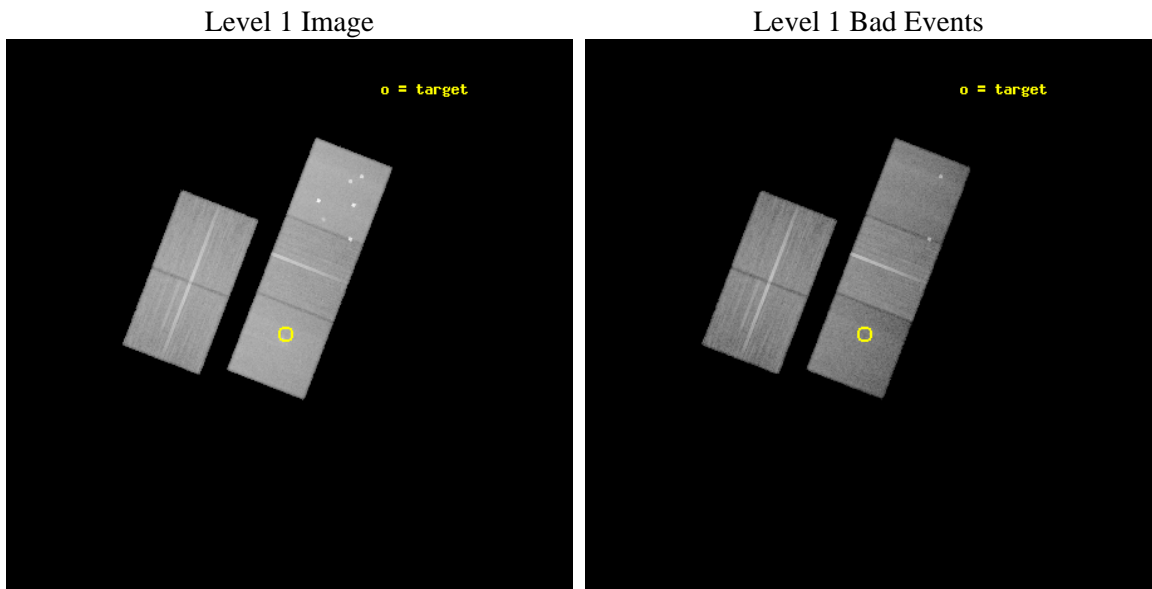
seq_num	800572	Sequence number
obs_id	6939	Observation id
title	The Cosmological Formation of Galaxy Groups	Proposal title
observer	Dr. DAVID BUOTE	Principal investigator
object	RXC J1206.6+2811	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.655833	Observer's specified target RA [deg]
dec_targ	28.183611	Observer's specified target Dec [deg]
ra_nom	181.64921221158	Nominal RA [deg]
dec_nom	28.203543807171	Nominal Dec [deg]
roll_nom	111.10461965563	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36350.599930078	Sum of GTIs [s]
livetime	35875.652581069	Livetime [s]
ontime2	36347.458939821	Sum of GTIs [s]
ontime3	36350.599930078	Sum of GTIs [s]
ontime5	36350.599930078	Sum of GTIs [s]
ontime6	36347.458929837	Sum of GTIs [s]
ontime7	36350.599930078	Sum of GTIs [s]
l2events	373608	Number of level 2 events



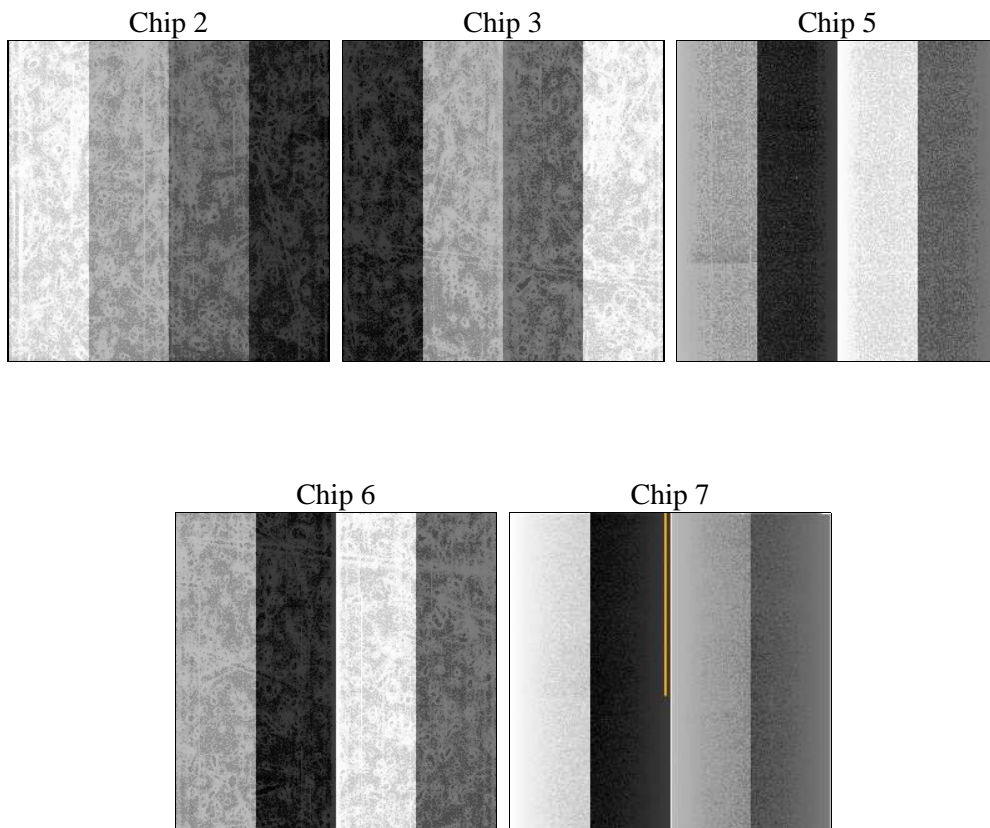
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	36350.599930078	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	36347.458939821	Sum of GTIs [s]
date	2012-03-25T16:42:50	Date and time of file creation	ontime3	36350.599930078	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	36350.599930078	Sum of GTIs [s]
			ontime6	36347.458929837	Sum of GTIs [s]
			ontime7	36350.599930078	Sum of GTIs [s]
			l1events	1501385	Number of level 1 events

2.1.4 Events

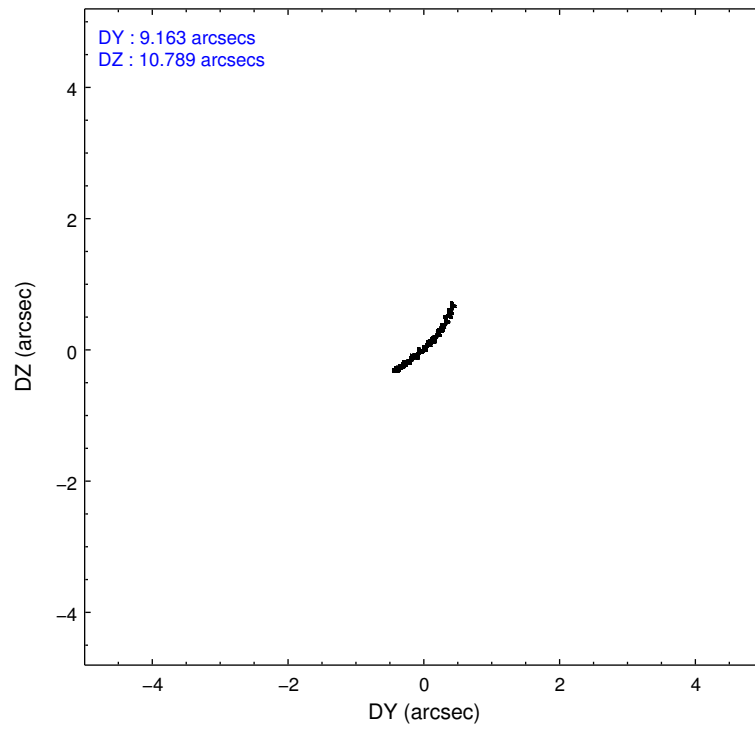
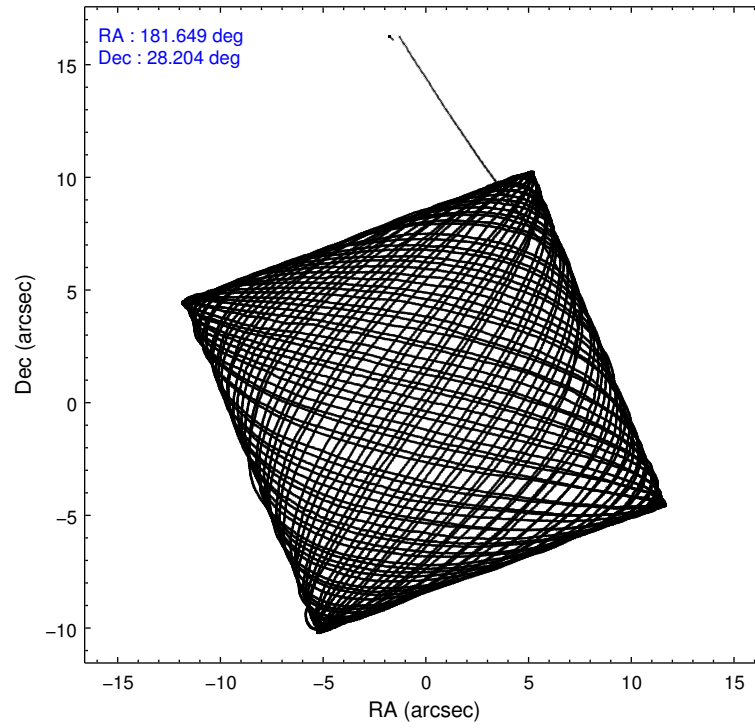
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	274814	259365	380846	272250	314110
rejected events	250236	234355	192150	244282	166013
rejected %	91%	90%	50%	89%	52%

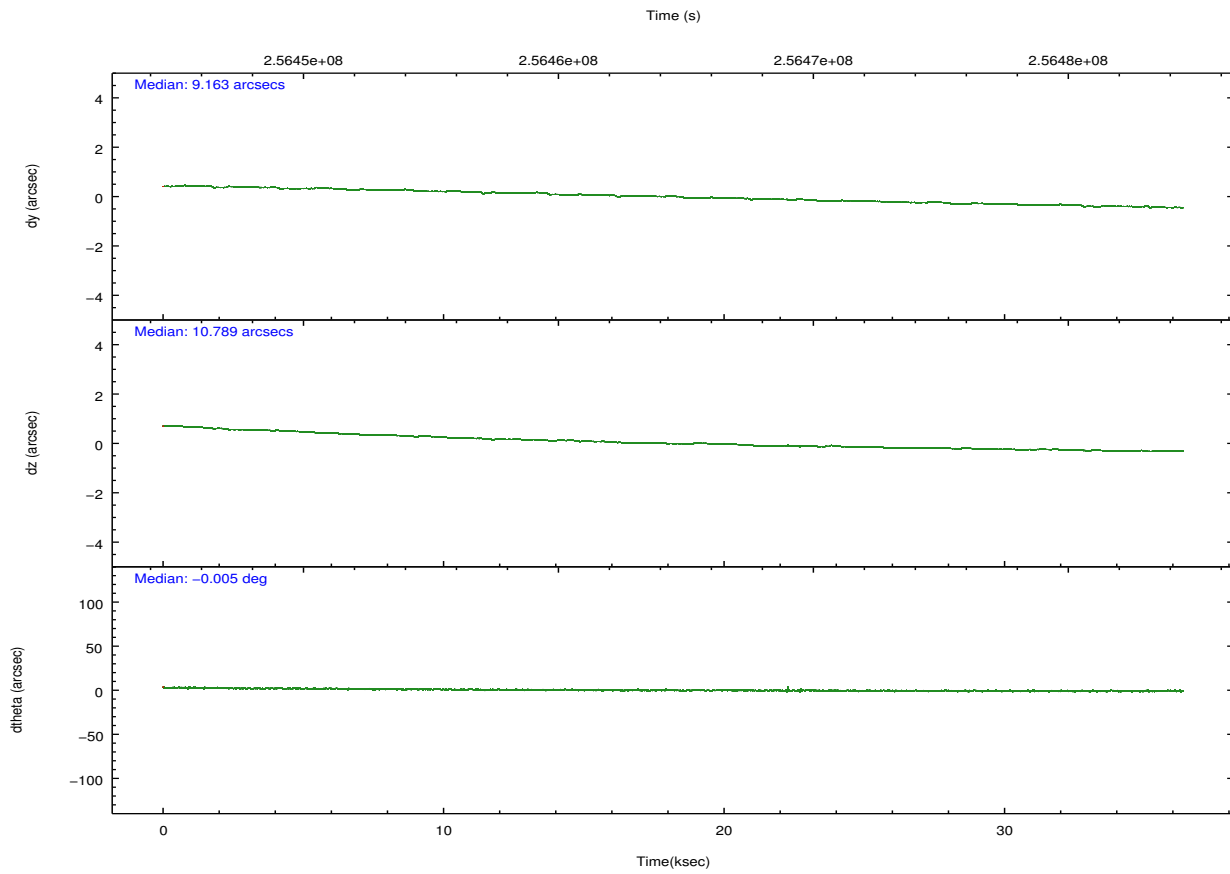
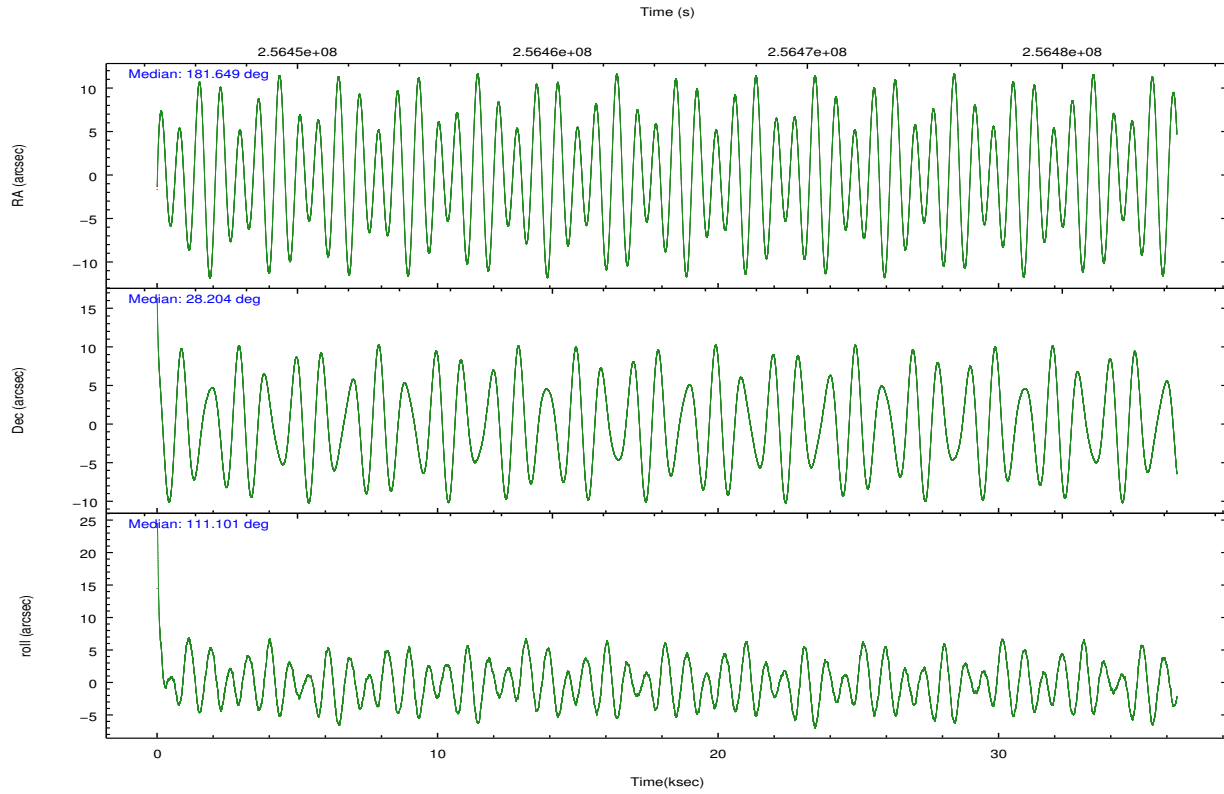
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	9299	9777	30542	11110	18248
	3%	3%	8%	4%	5%
grade 1 events	137	153	875	145	245
	0%	0%	0%	0%	0%
grade 2 events	5890	5374	54002	5895	31883
	2%	2%	14%	2%	10%
grade 3 events	2769	2931	8175	3047	14627
	1%	1%	2%	1%	4%
grade 4 events	2851	2830	7702	3081	14641
	1%	1%	2%	1%	4%
grade 5 events	8543	10413	29945	10685	31344
	3%	4%	7%	3%	9%
grade 6 events	4595	4914	94406	5721	73146
	1%	1%	24%	2%	23%
grade 7 events	240730	222973	155199	232566	129976
	87%	85%	40%	85%	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	181.673513	181.6492122115835	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.186715	28.20354380717115	Alternating exposures requested	N	N
[deg] Pointing Roll	110.936506	111.1046196556345	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	256446479.184000	256444877.53821			
Observation start date	2006-02-16T03:06:54	2006-02-16T02:41:17			
[s] Observation end time (MET)	256482679.184000	256482969.10248			
Observation end date	2006-02-16T13:10:14	2006-02-16T13:16:09			
Read mode	TIMED	TIMED			

2.3 Aspect



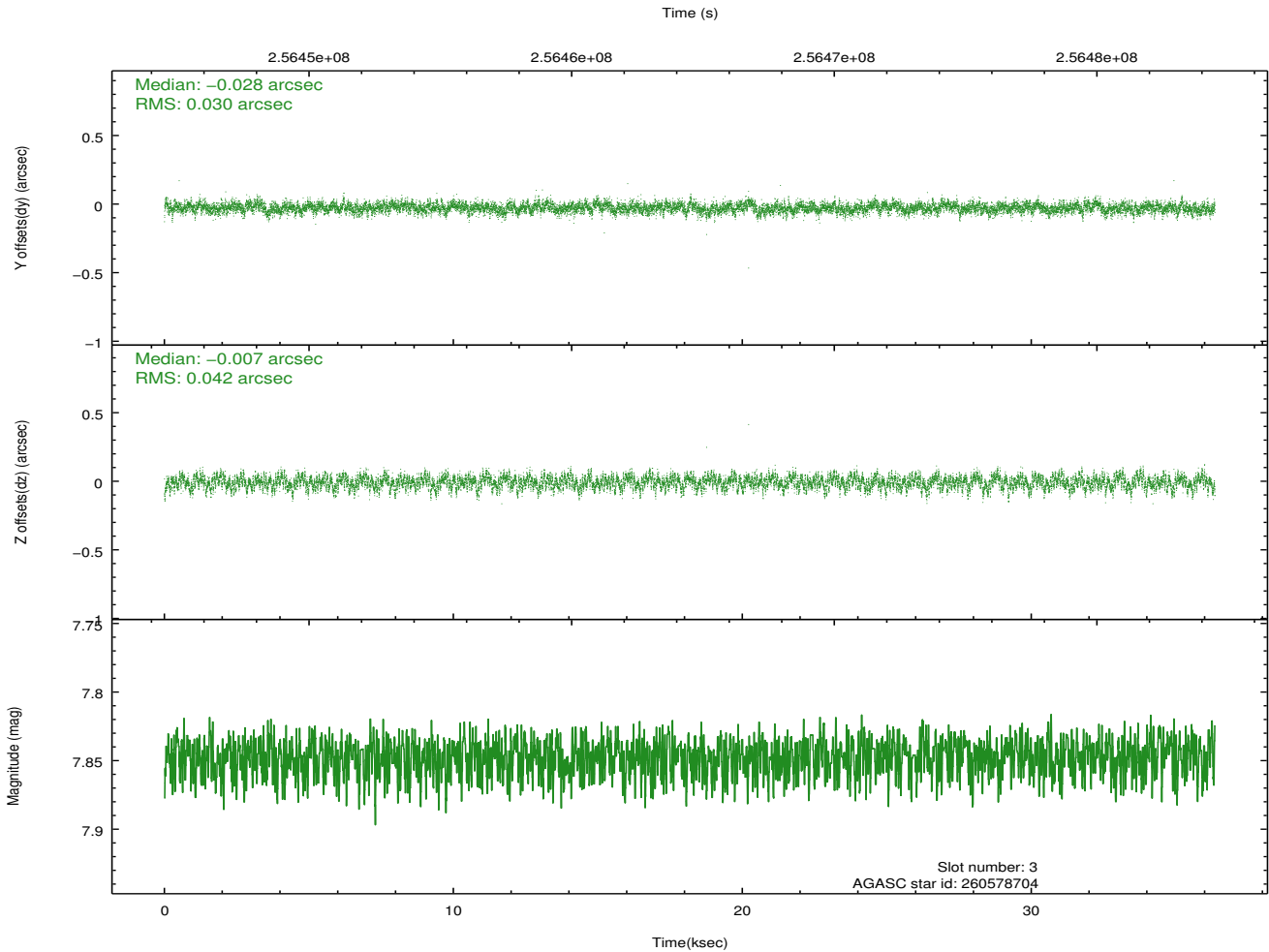
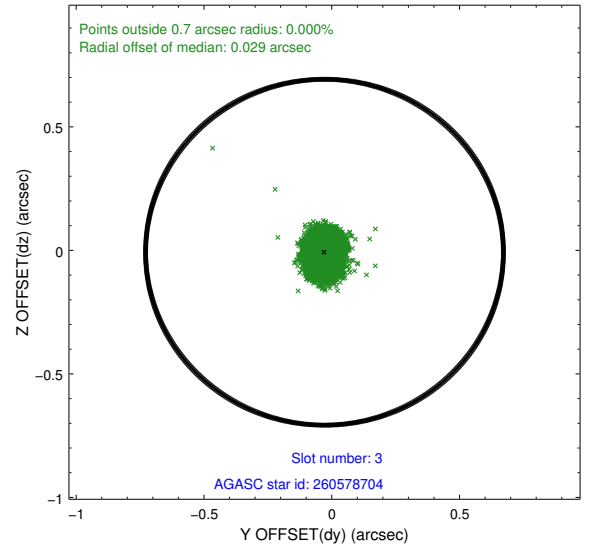
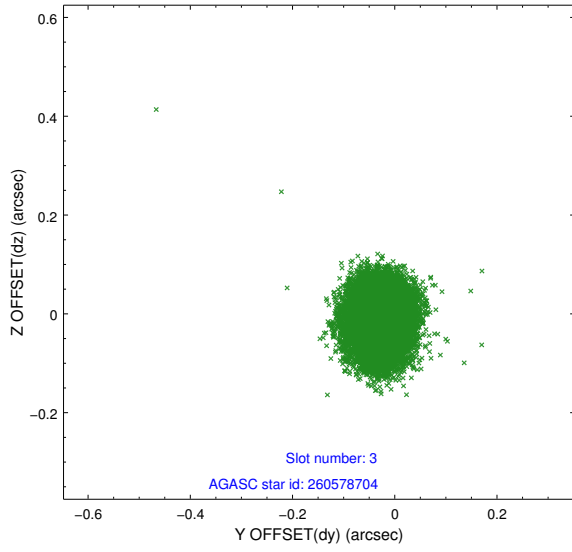


Slot Statistics

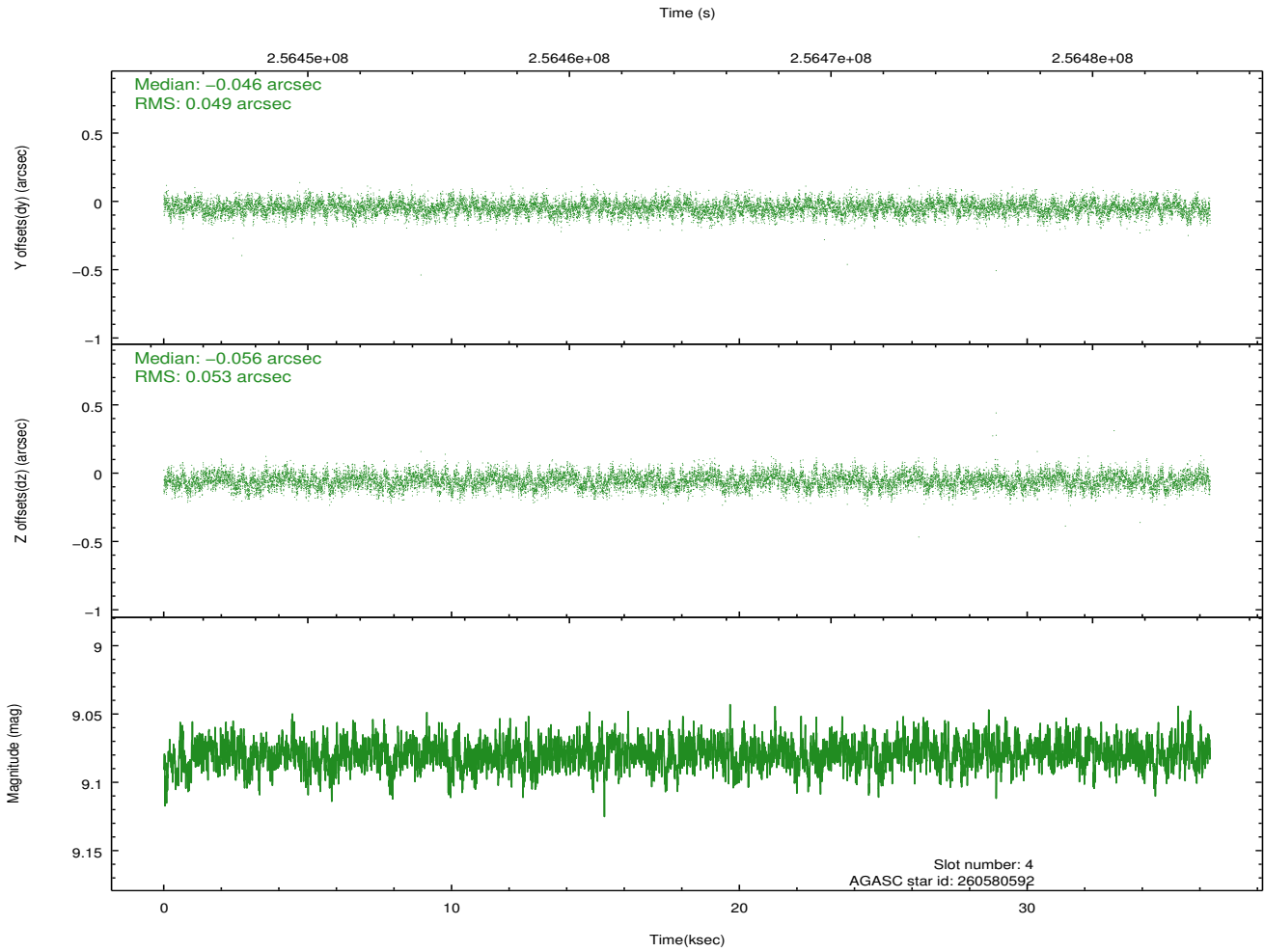
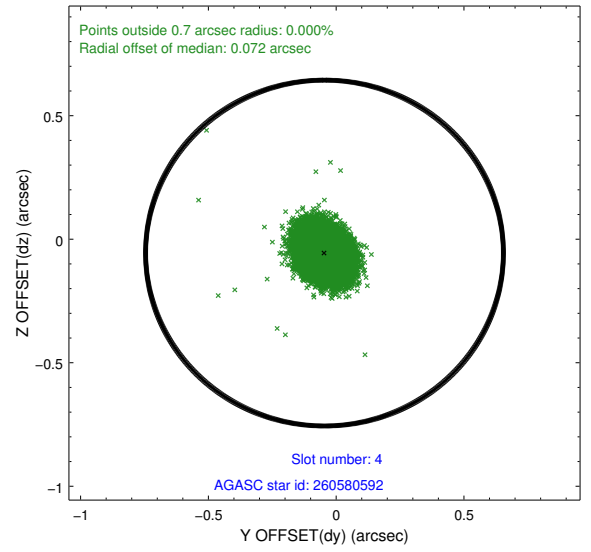
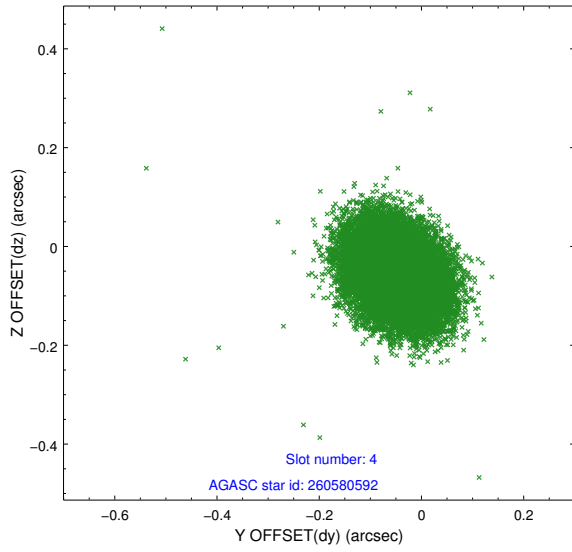
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8868	-0.049	-0.025	0.007	0.012	0.000000	0.000000	-761.98	-1732.11
1	FID	ACIS-S-4	7.21	8868	0.162	0.030	0.007	0.013	0.000000	0.000000	2151.46	176.45
2	FID	ACIS-S-5	7.23	8867	-0.145	0.003	0.008	0.014	0.000000	0.000000	-1814.91	170.06
3	GUIDE	260578704	7.85	17729	-0.028	-0.007	0.054	0.088	181.377375	28.505568	1407.99	464.80
4	GUIDE	260580592	9.08	17728	-0.046	-0.056	0.076	0.124	181.409229	28.294508	661.83	643.04
5	GUIDE	260580992	9.64	17718	0.034	0.139	0.141	0.225	182.365232	28.205015	-716.49	-2074.97
6	GUIDE	260574040	8.80	17722	-0.106	-0.059	0.105	0.169	181.021231	28.060596	321.44	2095.86
7	GUIDE	260574472	9.81	17600	0.150	-0.017	0.113	0.187	181.532829	27.548693	-1984.27	1240.62

2.4 Star Slots

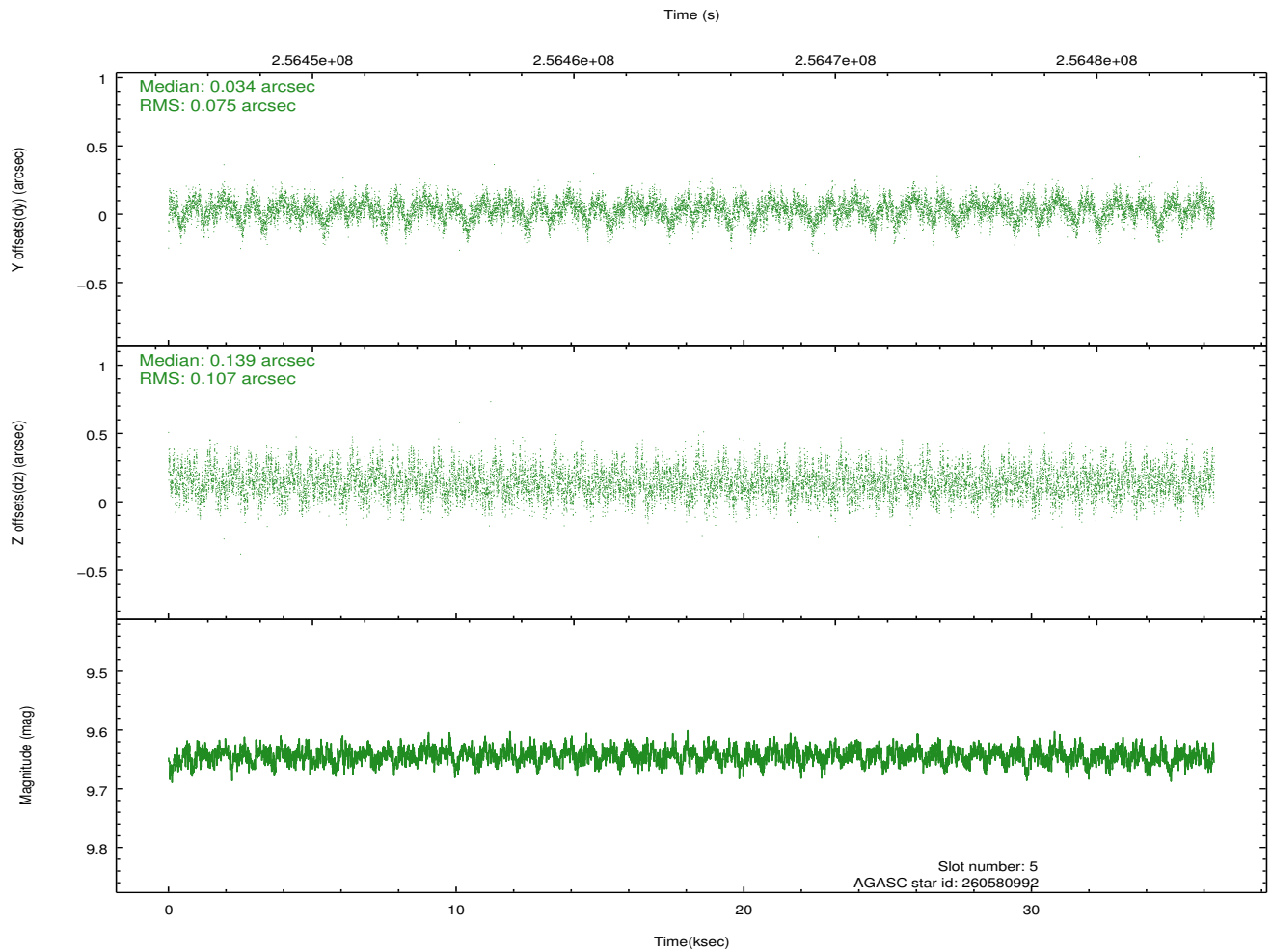
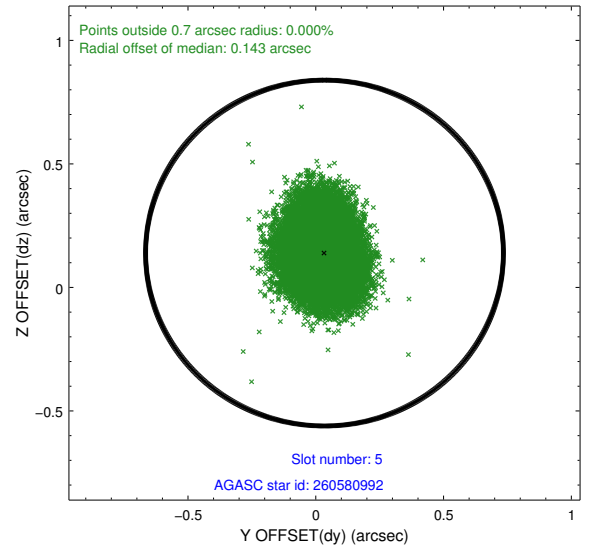
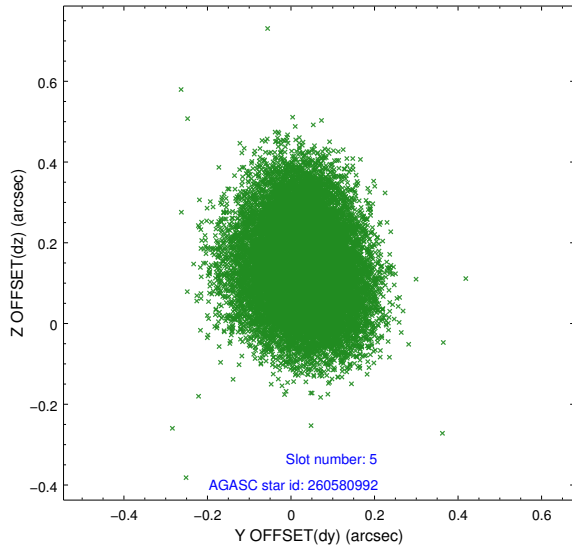
2.4.1 Slot 3



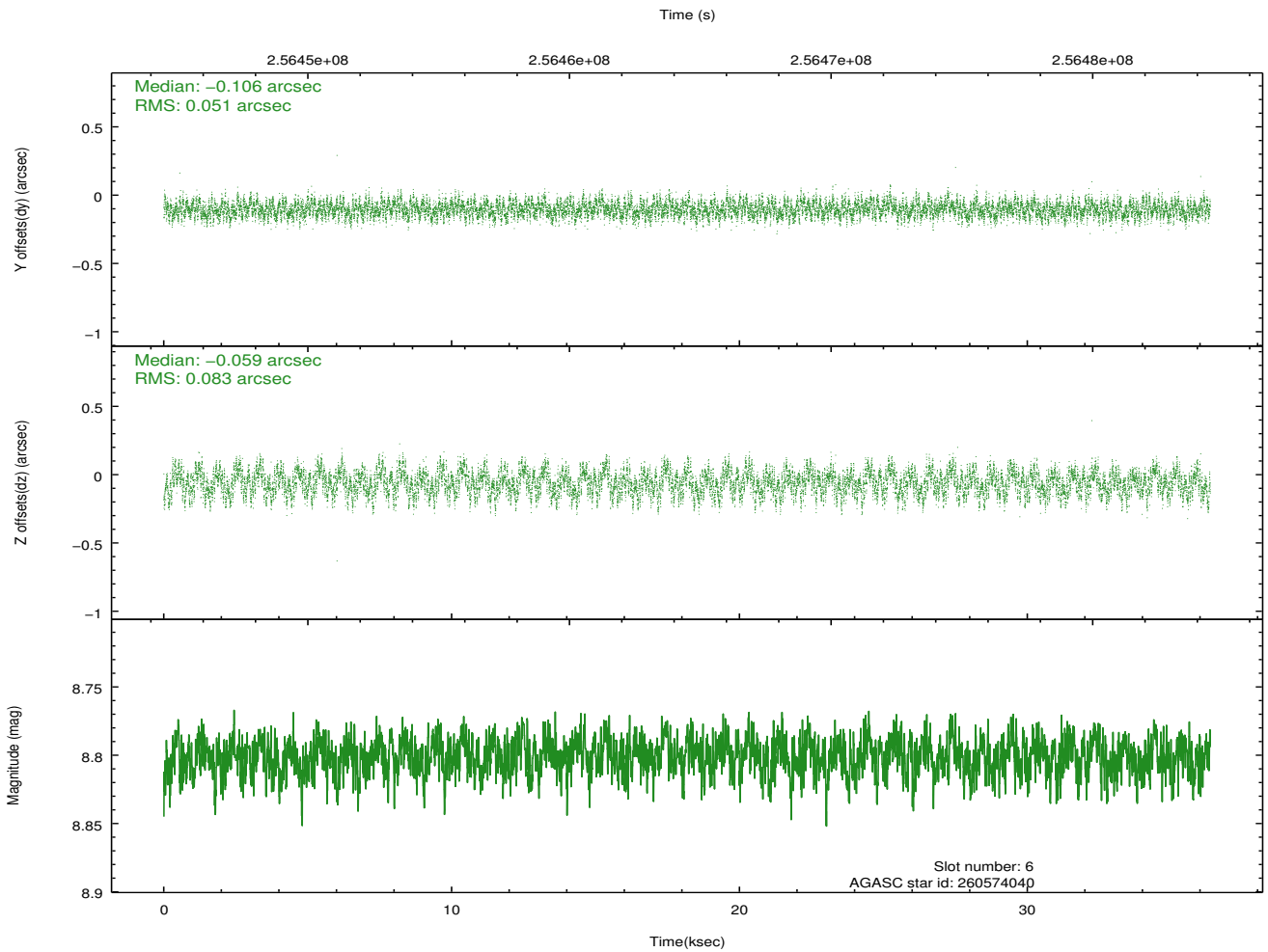
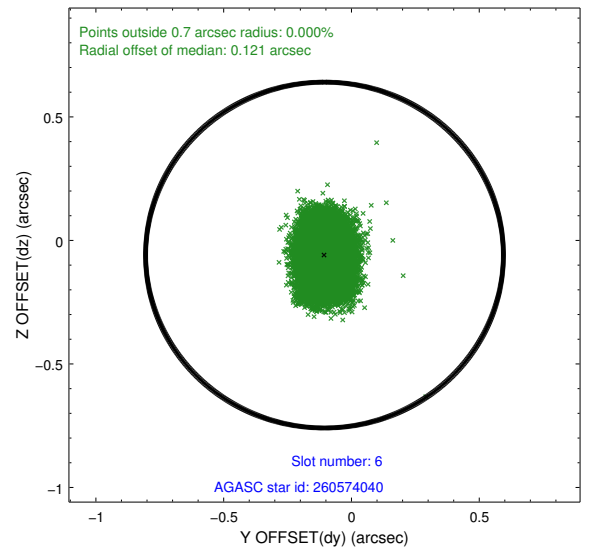
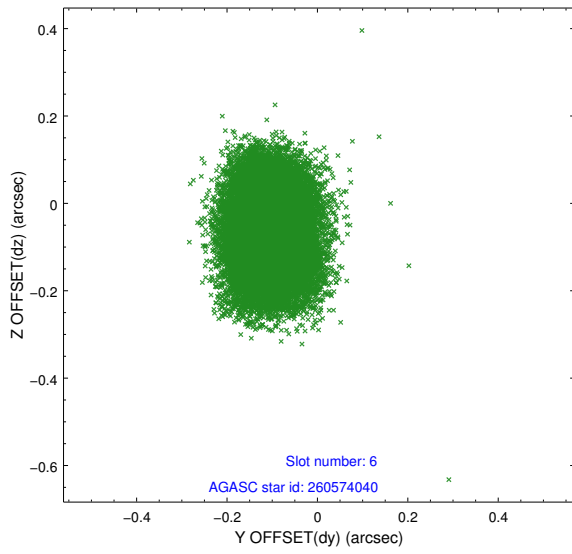
2.4.2 Slot 4



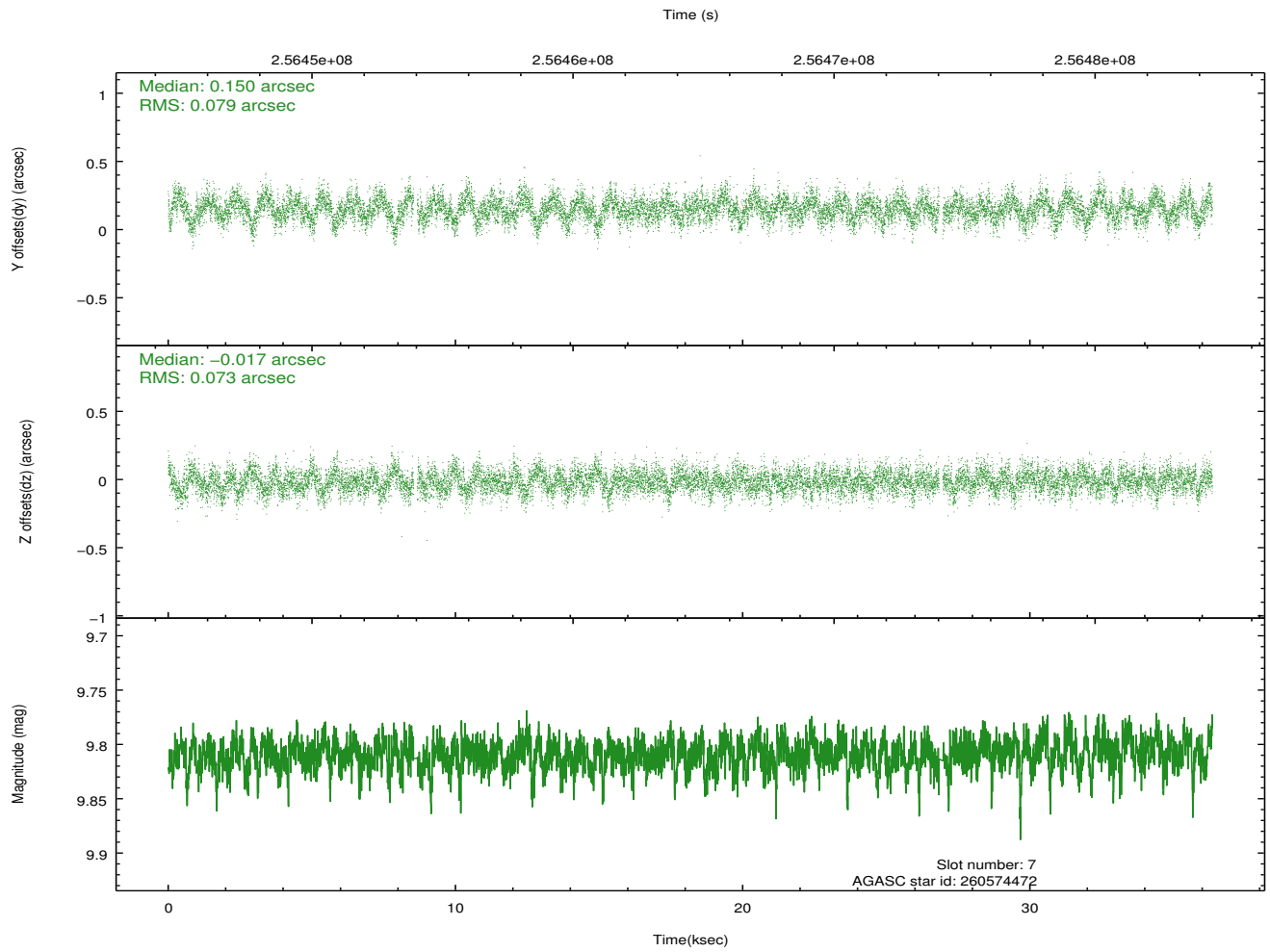
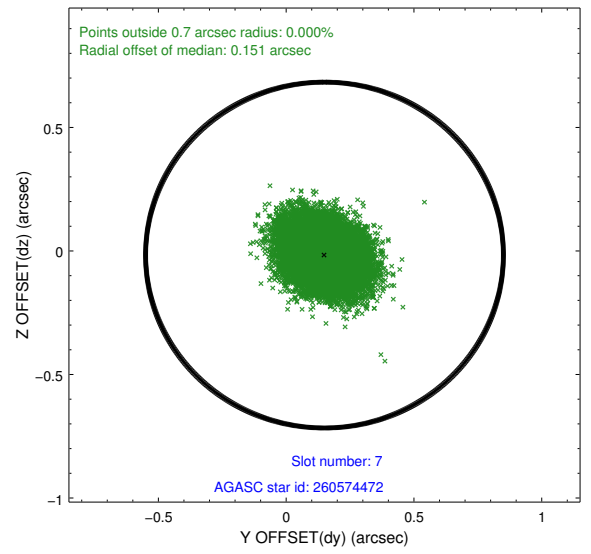
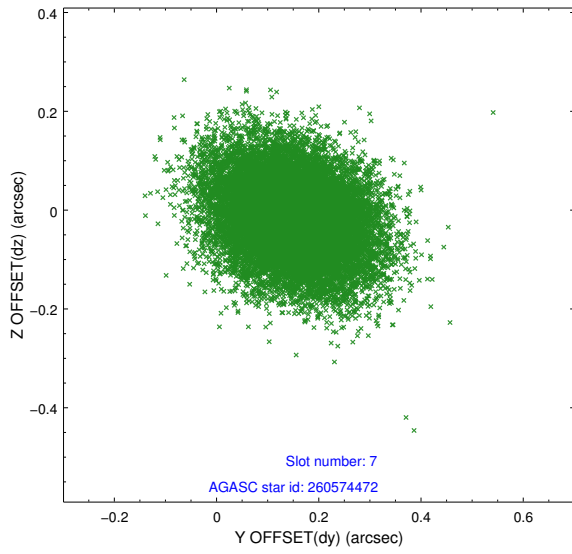
2.4.3 Slot 5



2.4.4 Slot 6

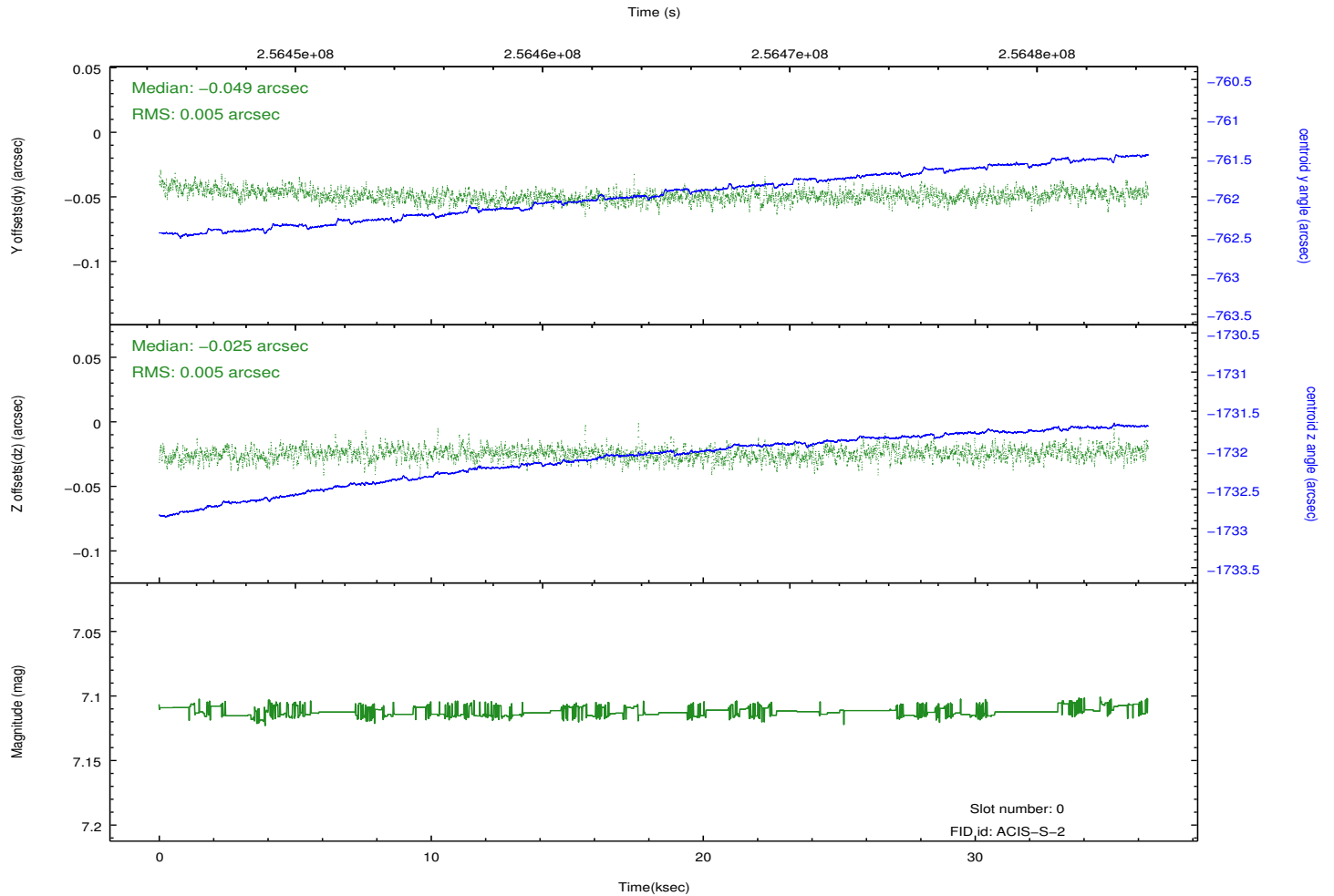
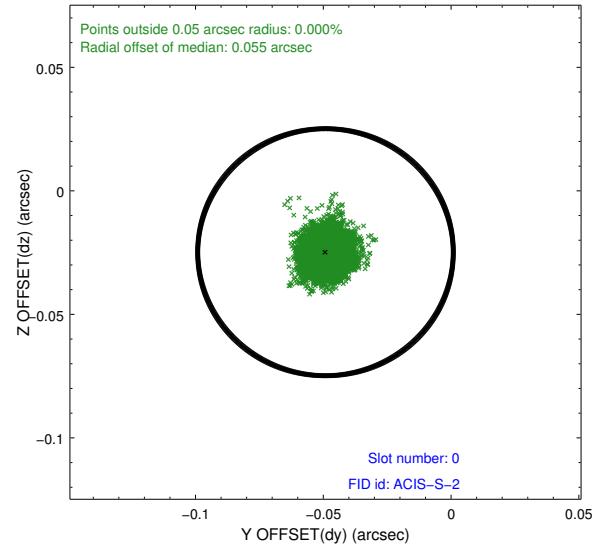
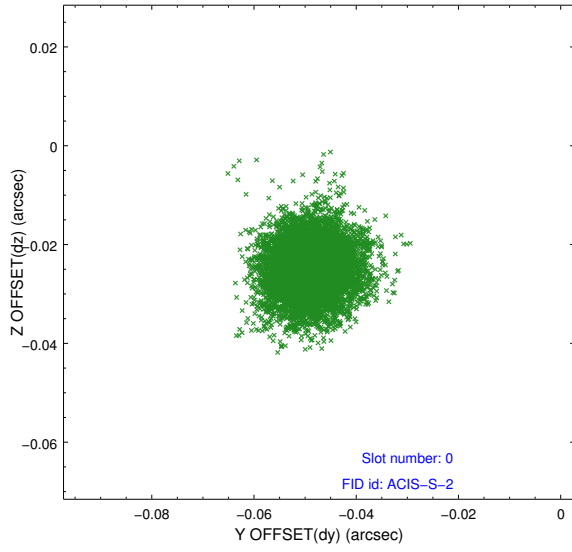


2.4.5 Slot 7

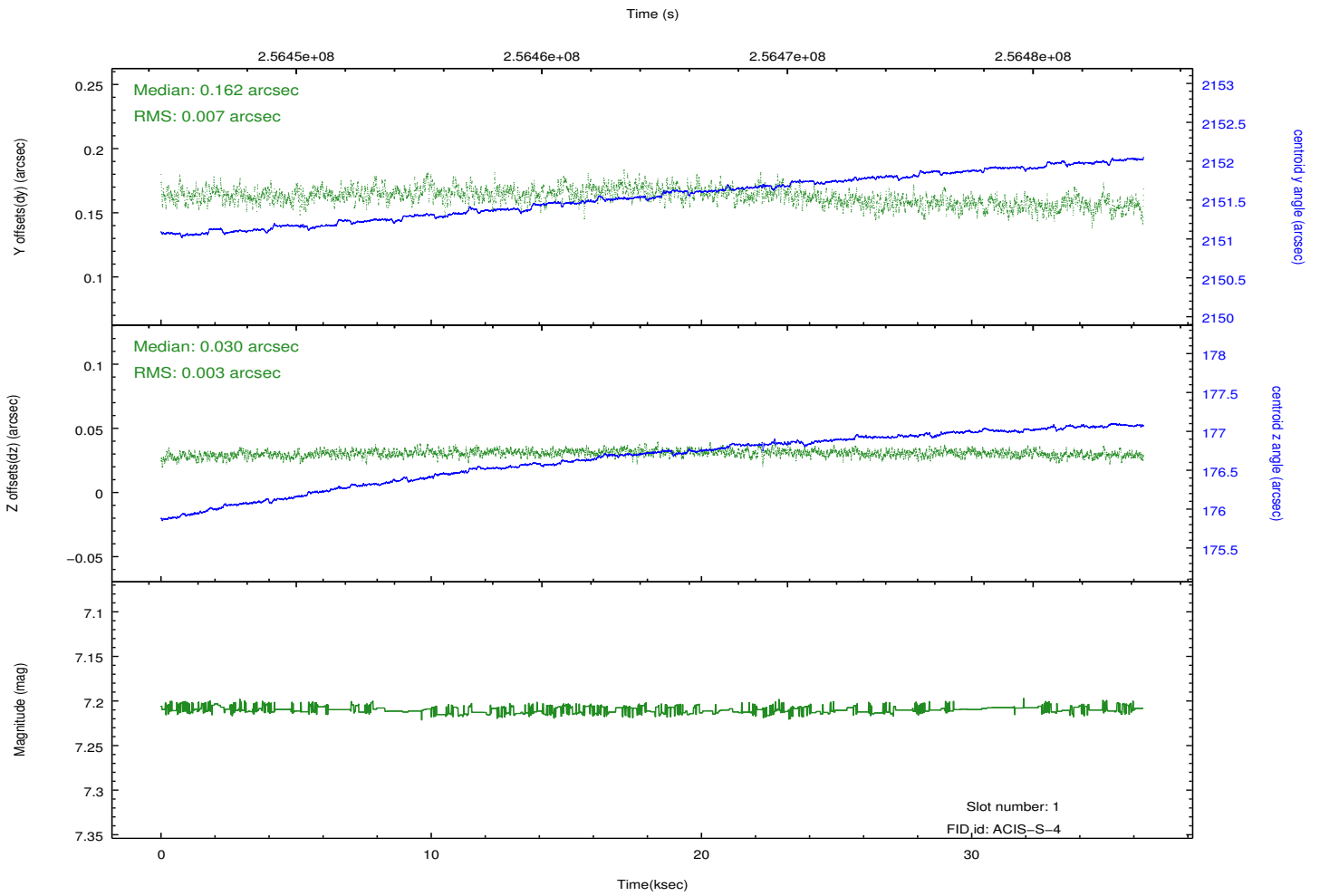
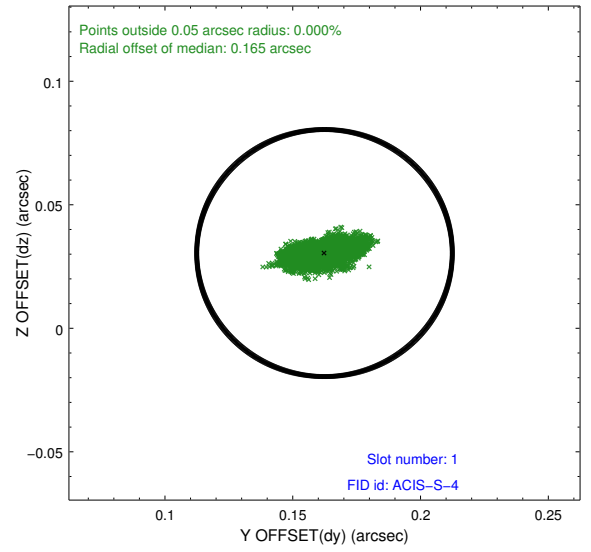
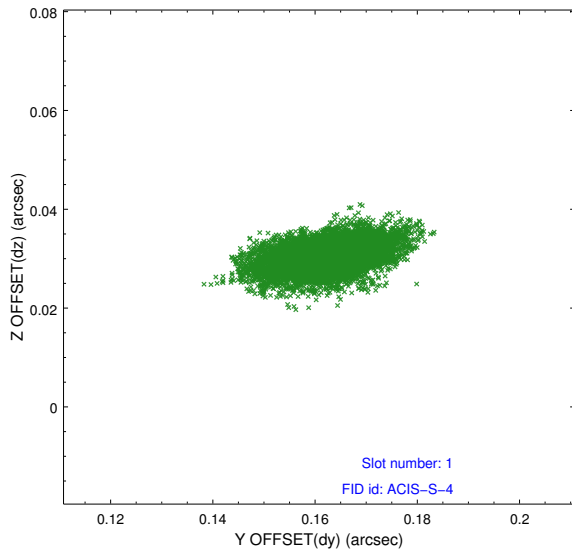


2.5 FID Slots

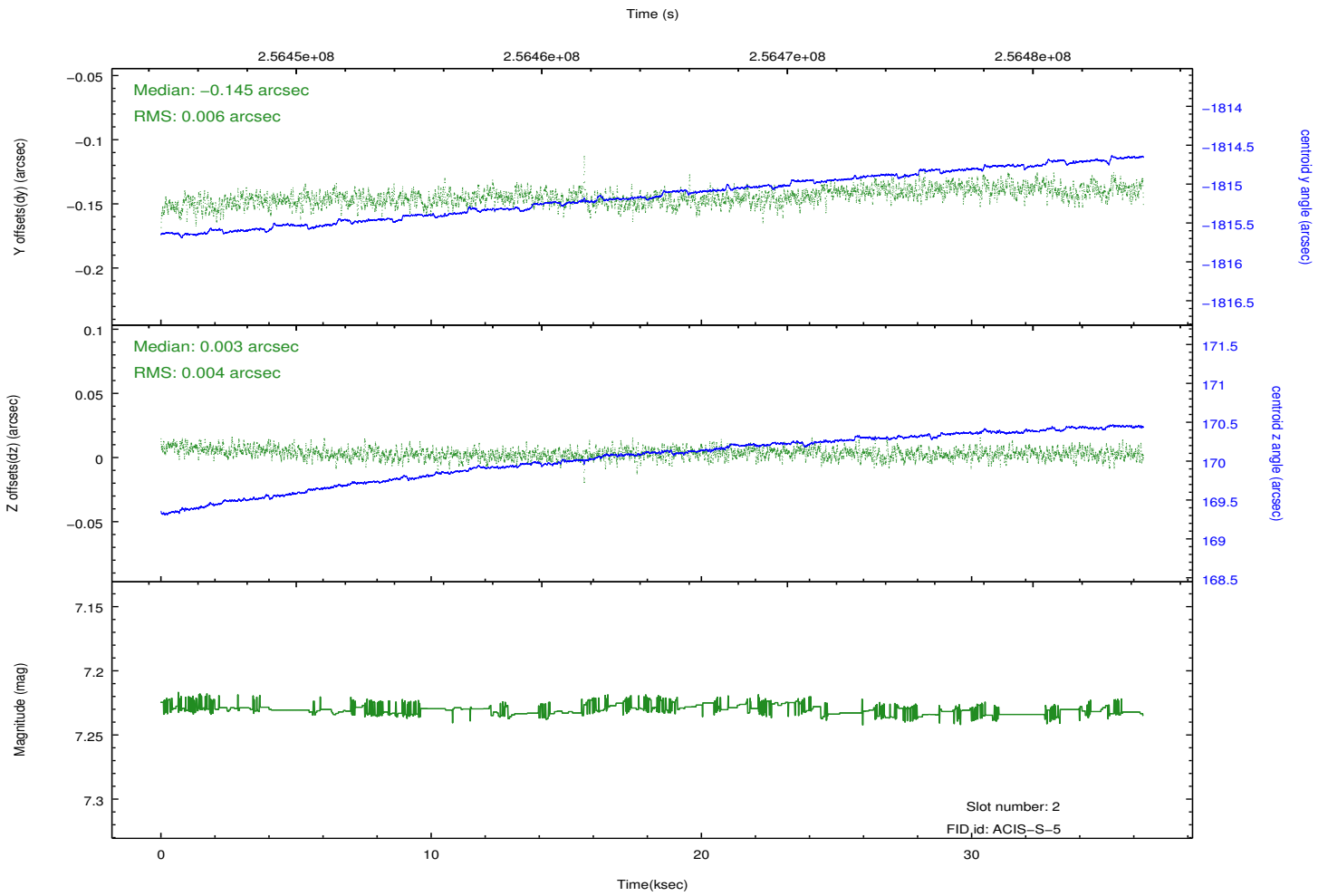
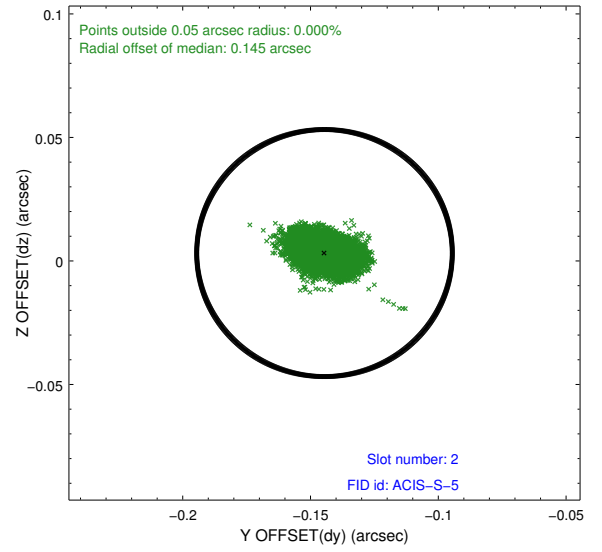
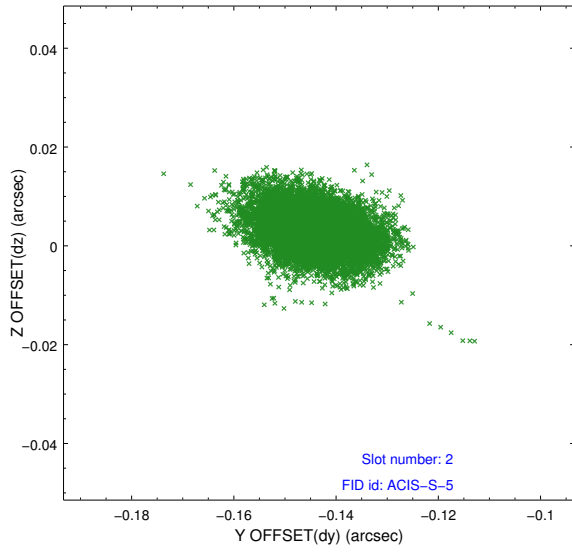
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.3505999

A.2 Comments