

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10754 - L2 Version 2
Chandra X-Ray Center

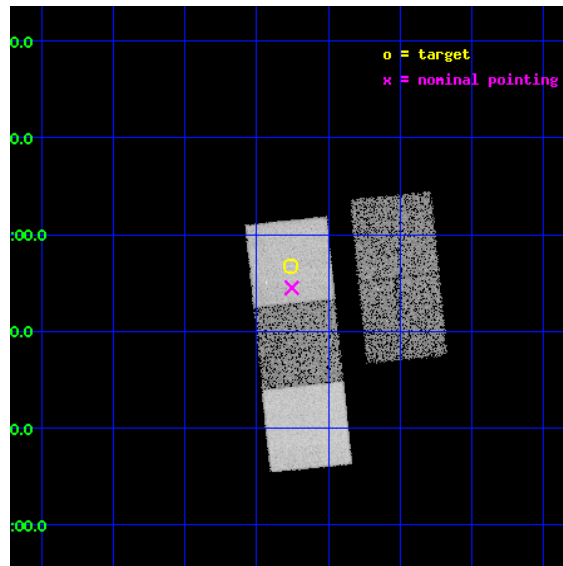
L2 Processing Date : Jun 3 2012

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1 Front

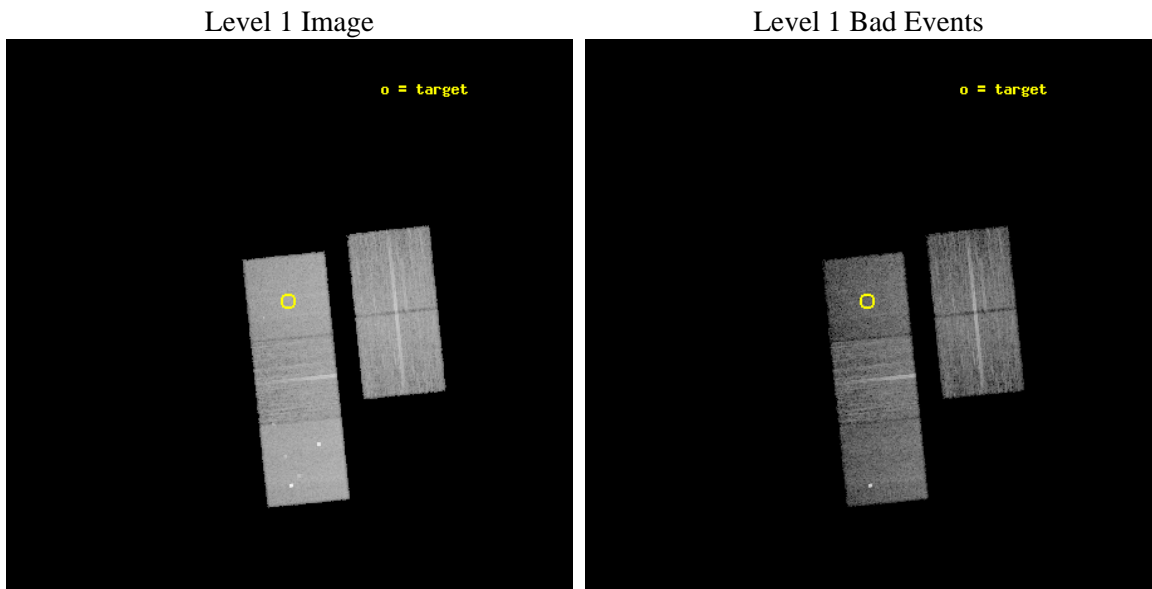
seq_num	900901	Sequence number
obs_id	10754	Observation id
title	The Origin and Evolution of Fossil Groups	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1017+0156	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.44	Observer's specified target RA [deg]
dec_targ	1.946056	Observer's specified target Dec [deg]
ra_nom	154.43857315715	Nominal RA [deg]
dec_nom	1.9085356653981	Nominal Dec [deg]
roll_nom	264.11528226471	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10034.700077176	Sum of GTIs [s]
livetime	9903.5893332291	Livetime [s]
ontime2	10031.559076846	Sum of GTIs [s]
ontime3	10028.418086529	Sum of GTIs [s]
ontime5	10034.700077176	Sum of GTIs [s]
ontime6	10034.700077176	Sum of GTIs [s]
ontime7	10034.700077176	Sum of GTIs [s]
l2events	120469	Number of level 2 events



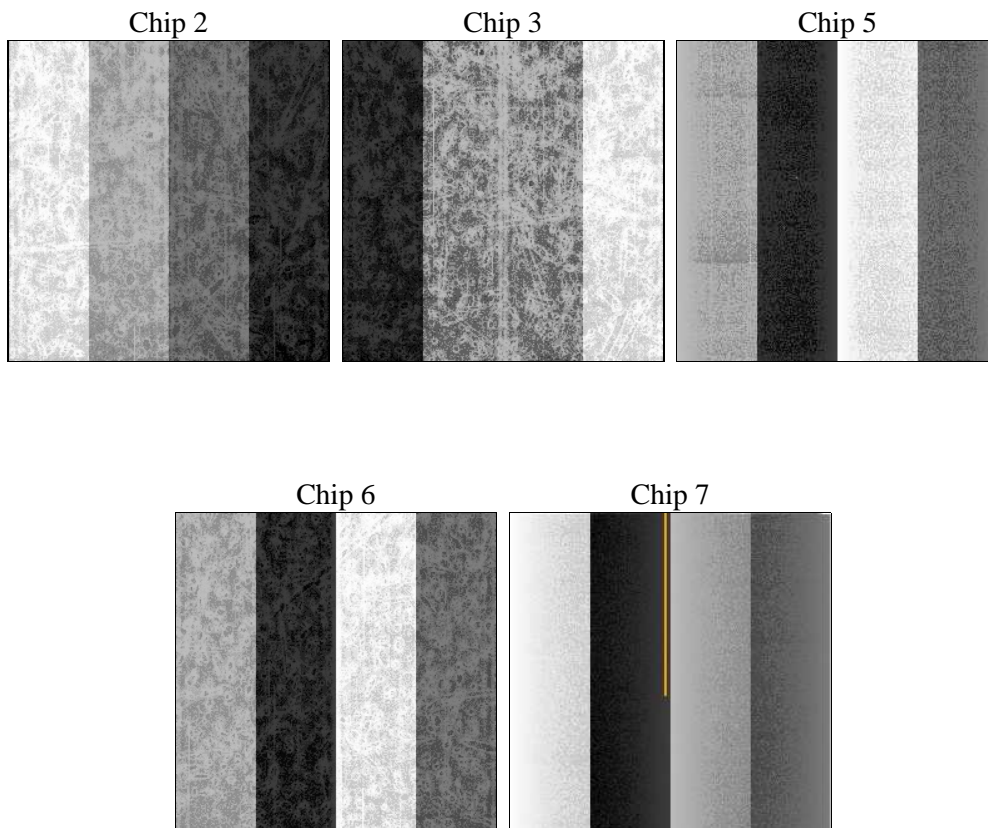
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10034.700077176	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10031.559076846	Sum of GTIs [s]
date	2012-06-03T05:53:02	Date and time of file creation	ontime3	10028.418086529	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10034.700077176	Sum of GTIs [s]
			ontime6	10034.700077176	Sum of GTIs [s]
			ontime7	10034.700077176	Sum of GTIs [s]
			l1events	472523	Number of level 1 events

2.1.4 Events

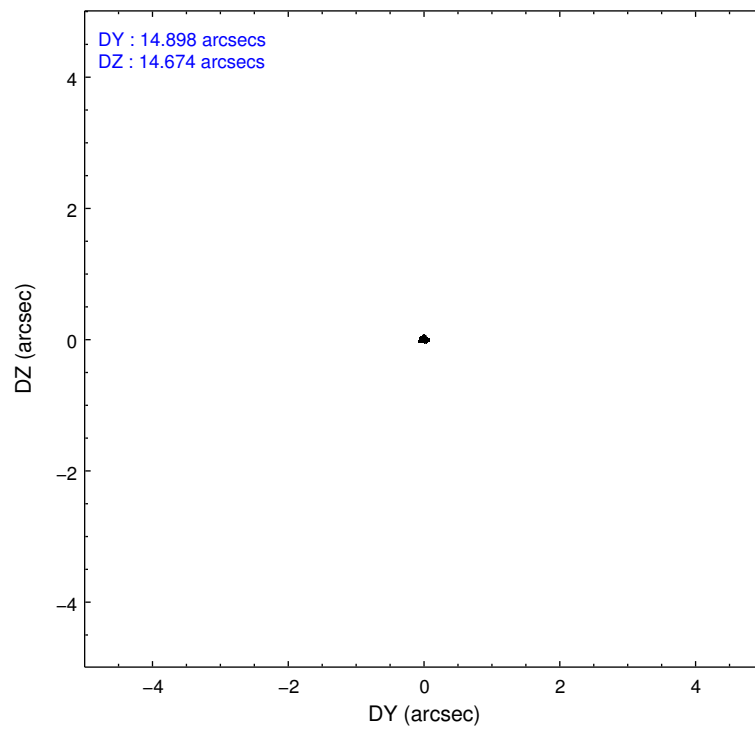
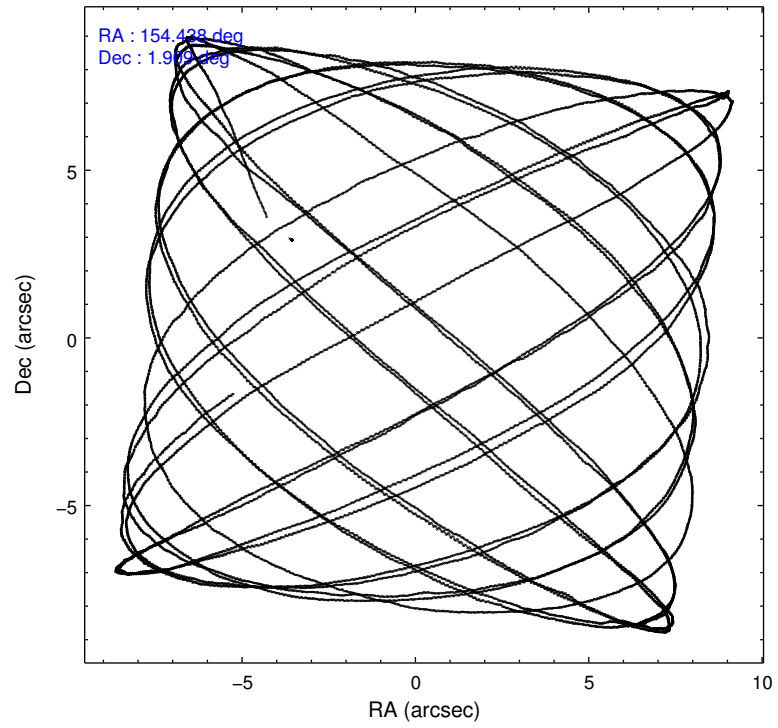
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	84609	82515	123881	85134	96384
rejected events	76235	74542	61353	76344	52405
rejected %	90%	90%	49%	89%	54%

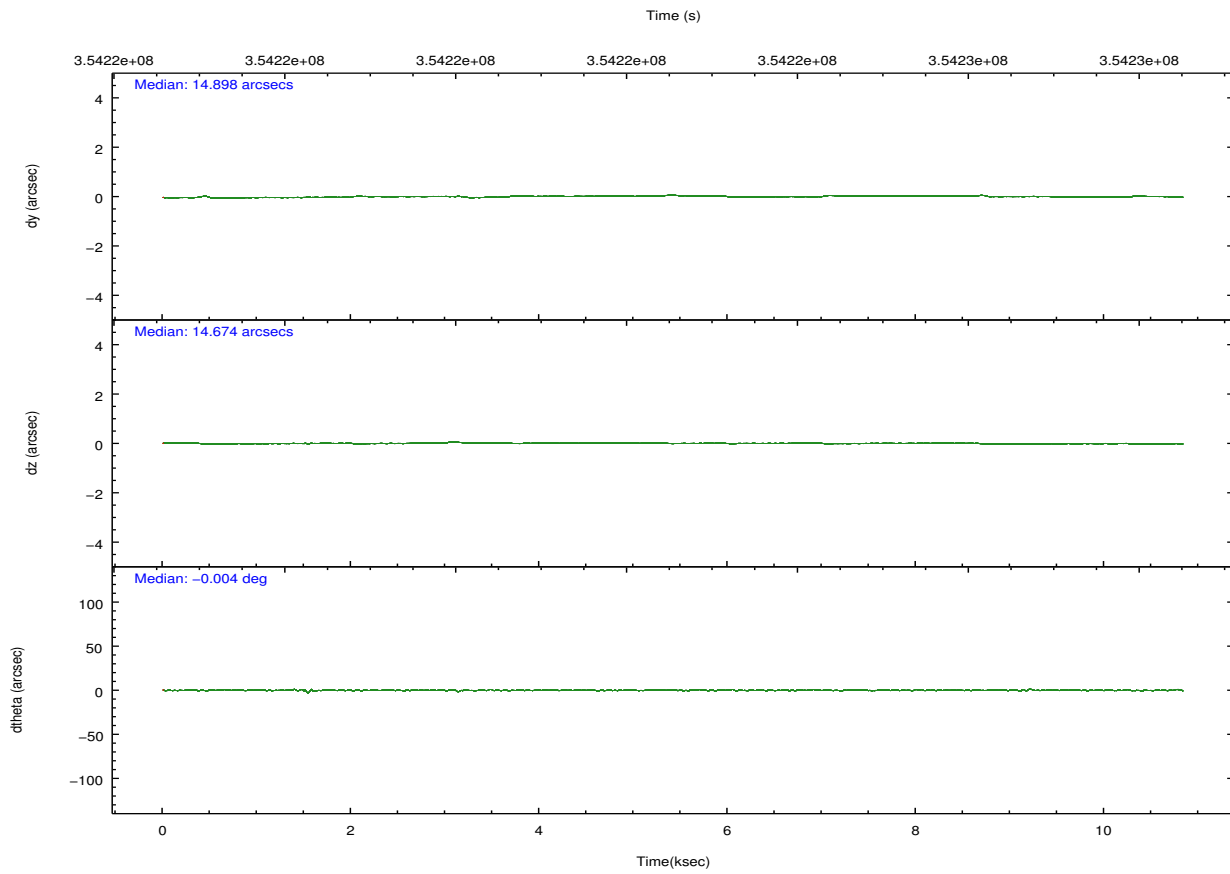
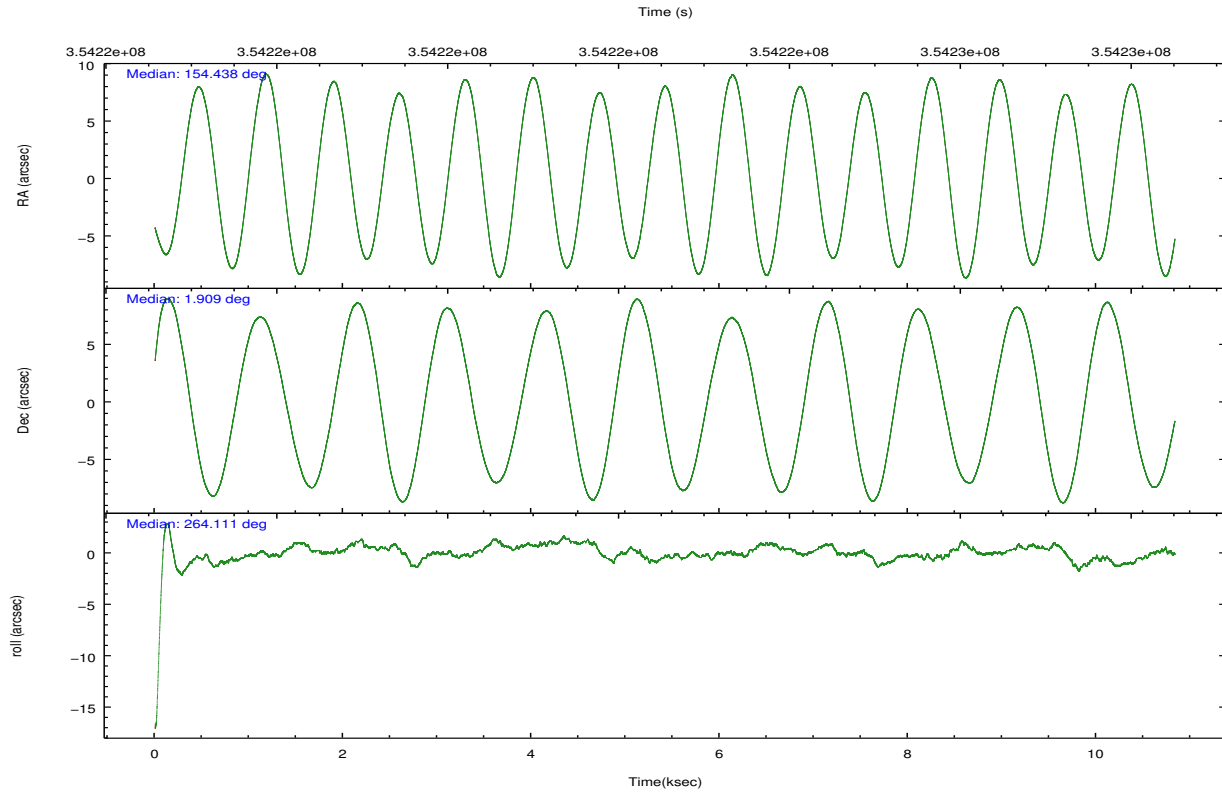
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2990	2773	7528	2972	4005
	3%	3%	6%	3%	4%
grade 1 events	51	48	569	55	126
	0%	0%	0%	0%	0%
grade 2 events	2013	1722	18873	1969	9146
	2%	2%	15%	2%	9%
grade 3 events	878	905	2698	1009	4076
	1%	1%	2%	1%	4%
grade 4 events	905	935	2487	920	3886
	1%	1%	2%	1%	4%
grade 5 events	2844	3385	9866	3399	10184
	3%	4%	7%	3%	10%
grade 6 events	1593	1638	30968	1920	22886
	1%	1%	24%	2%	23%
grade 7 events	73335	71109	50892	72890	42075
	86%	86%	41%	85%	43%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	154.427079	154.4385731571517	CCD I2 on	O1	Y
[deg] Pointing Dec	1.933341	1.908535665398138	CCD I3 on	O2	Y
[deg] Pointing Roll	263.959057	264.1152822647142	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	N	N
[s] Observation start time (MET)	354217965.184000	354216714.34776	CCD S5 on	N	N
Observation start date	2009-03-23T17:51:39	2009-03-23T17:31:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	354227965.184000	354229153.74838	On-chip summing requested	N	N
Observation end date	2009-03-23T20:38:19	2009-03-23T20:59:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



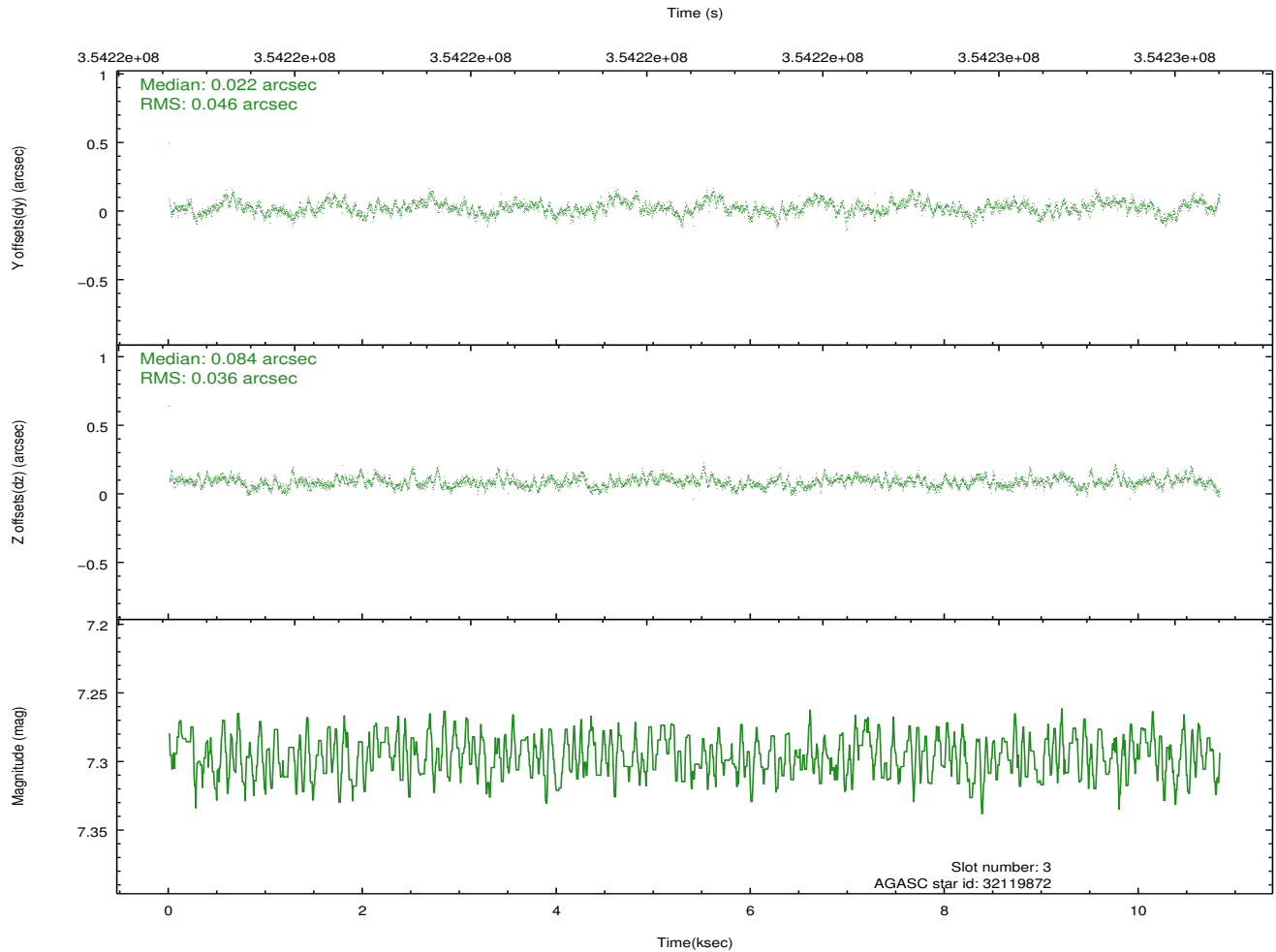
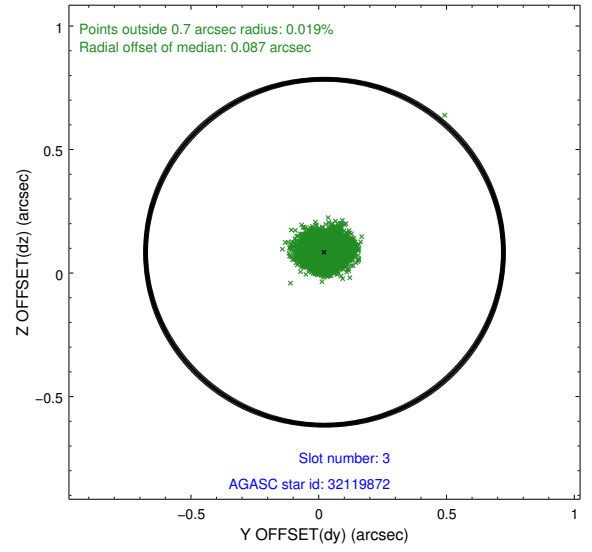
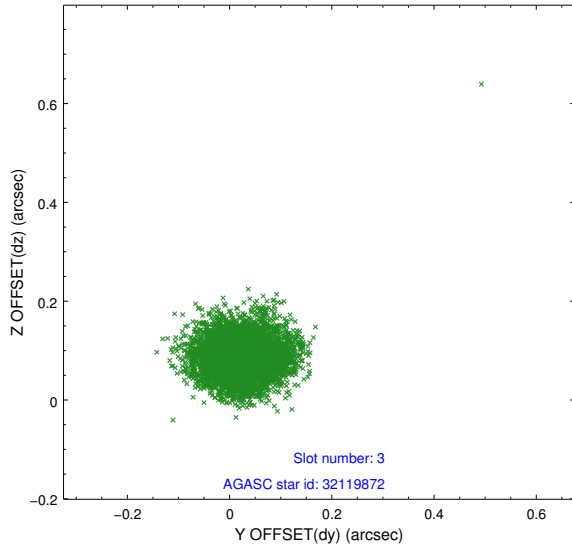


Slot Statistics

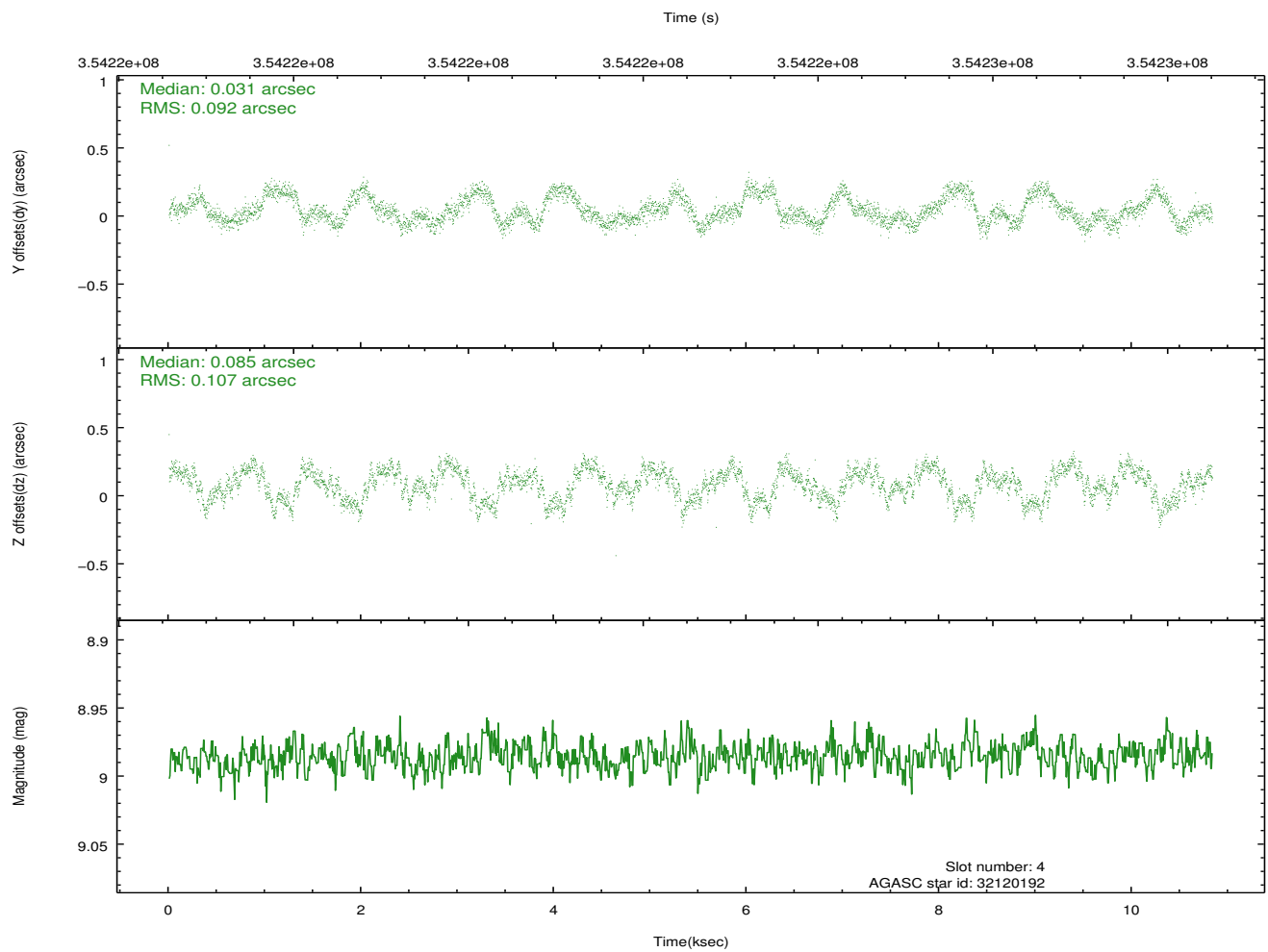
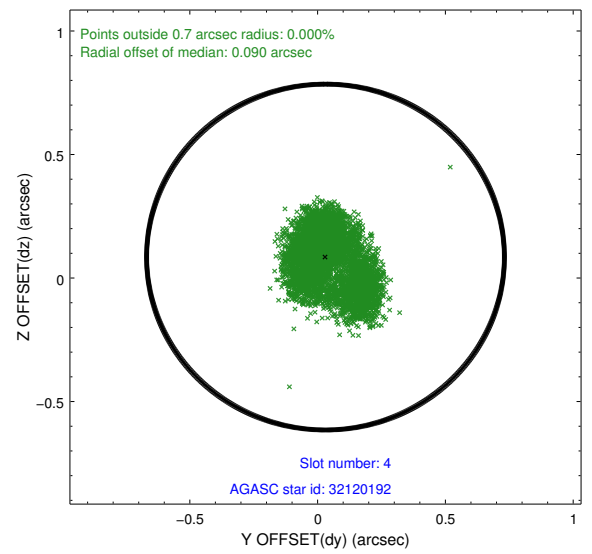
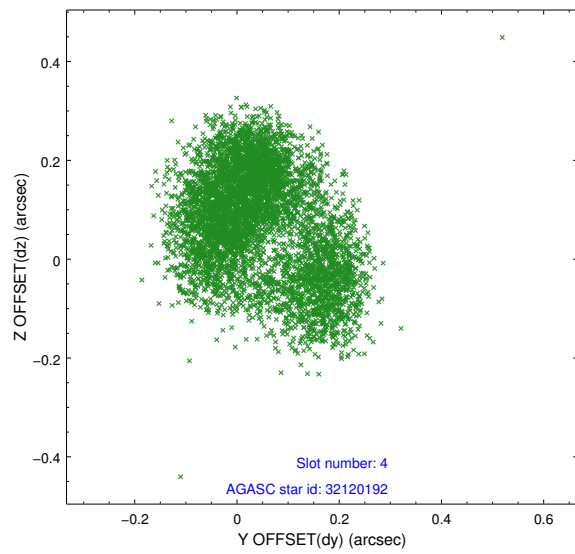
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2643	-0.086	-0.017	0.006	0.011	0.000000	0.000000	-767.94	-1736.06
1	FID	ACIS-S-4	7.01	2643	0.179	0.046	0.005	0.010	0.000000	0.000000	2145.37	172.00
2	FID	ACIS-S-5	7.04	2643	-0.124	-0.021	0.006	0.011	0.000000	0.000000	-1820.22	166.13
3	GUIDE	32119872	7.30	5283	0.022	0.084	0.061	0.101	154.215095	1.797794	565.91	-707.04
4	GUIDE	32120192	8.99	5284	0.031	0.085	0.152	0.240	154.140938	2.402909	-1572.26	-1201.30
5	GUIDE	32120672	8.46	5283	-0.062	0.088	0.088	0.149	154.803276	1.520364	1335.89	1503.14
6	GUIDE	32123832	8.87	5280	-0.026	0.077	0.099	0.152	154.229280	2.421667	-1671.96	-893.52
7	GUIDE	32119328	9.77	5276	0.022	-0.317	0.199	0.330	153.737401	1.898388	386.04	-2454.68

2.4 Star Slots

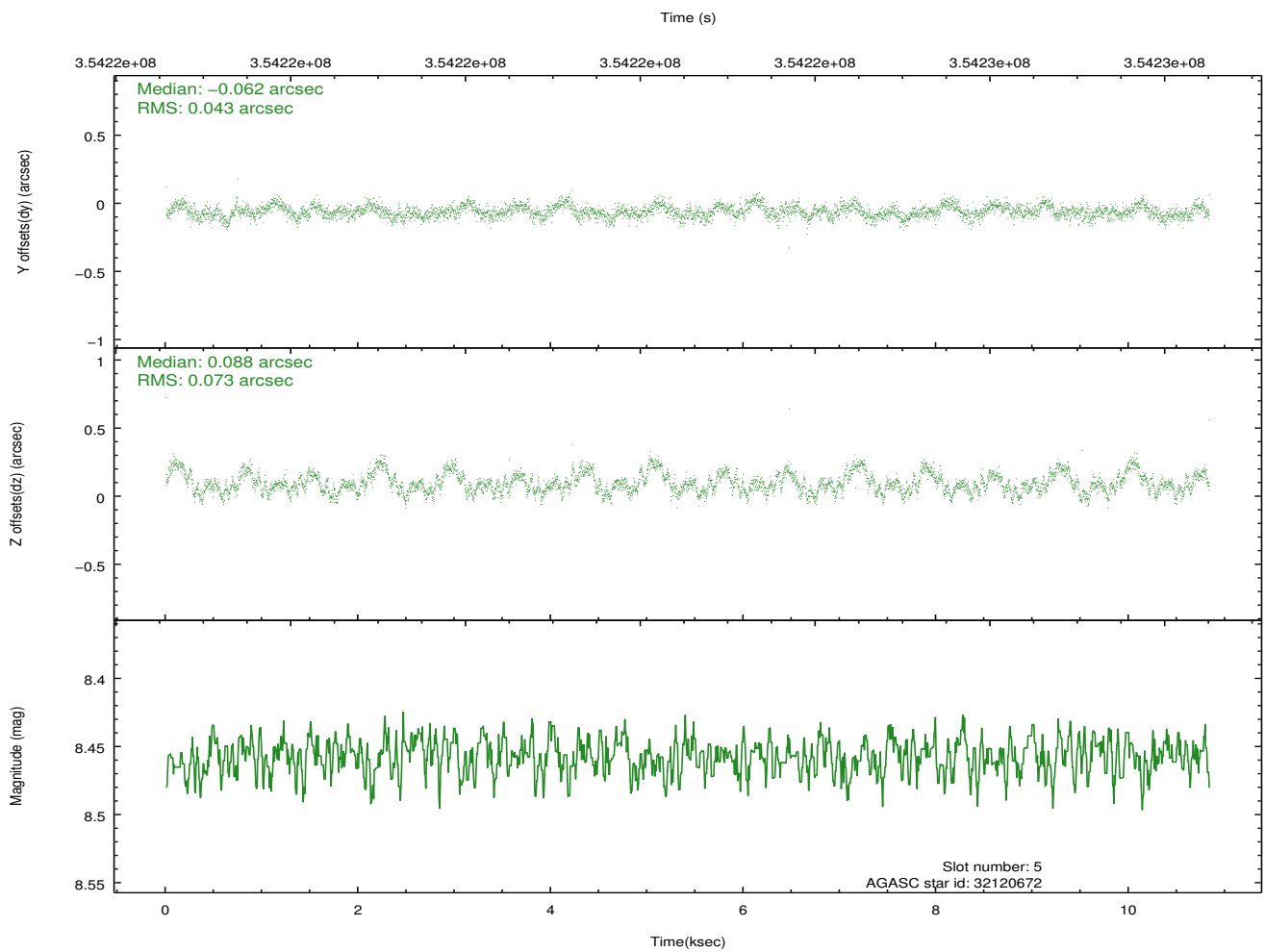
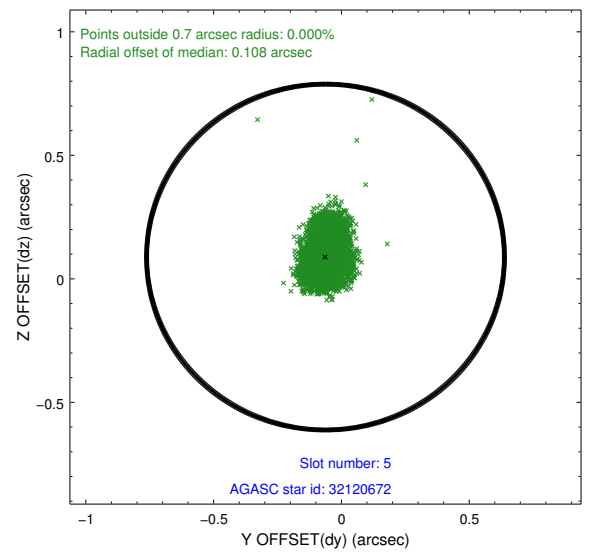
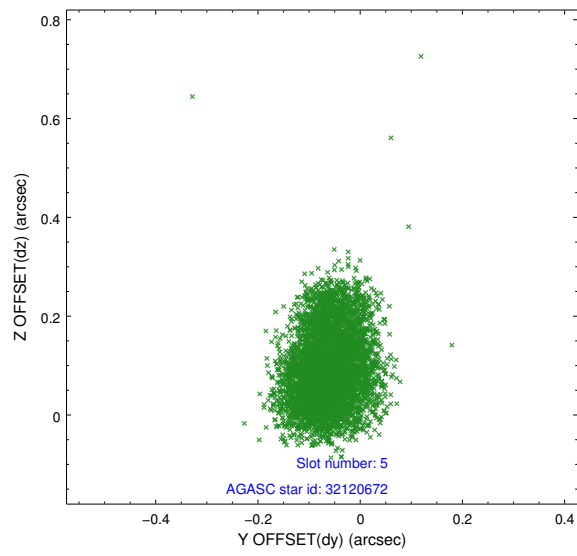
2.4.1 Slot 3



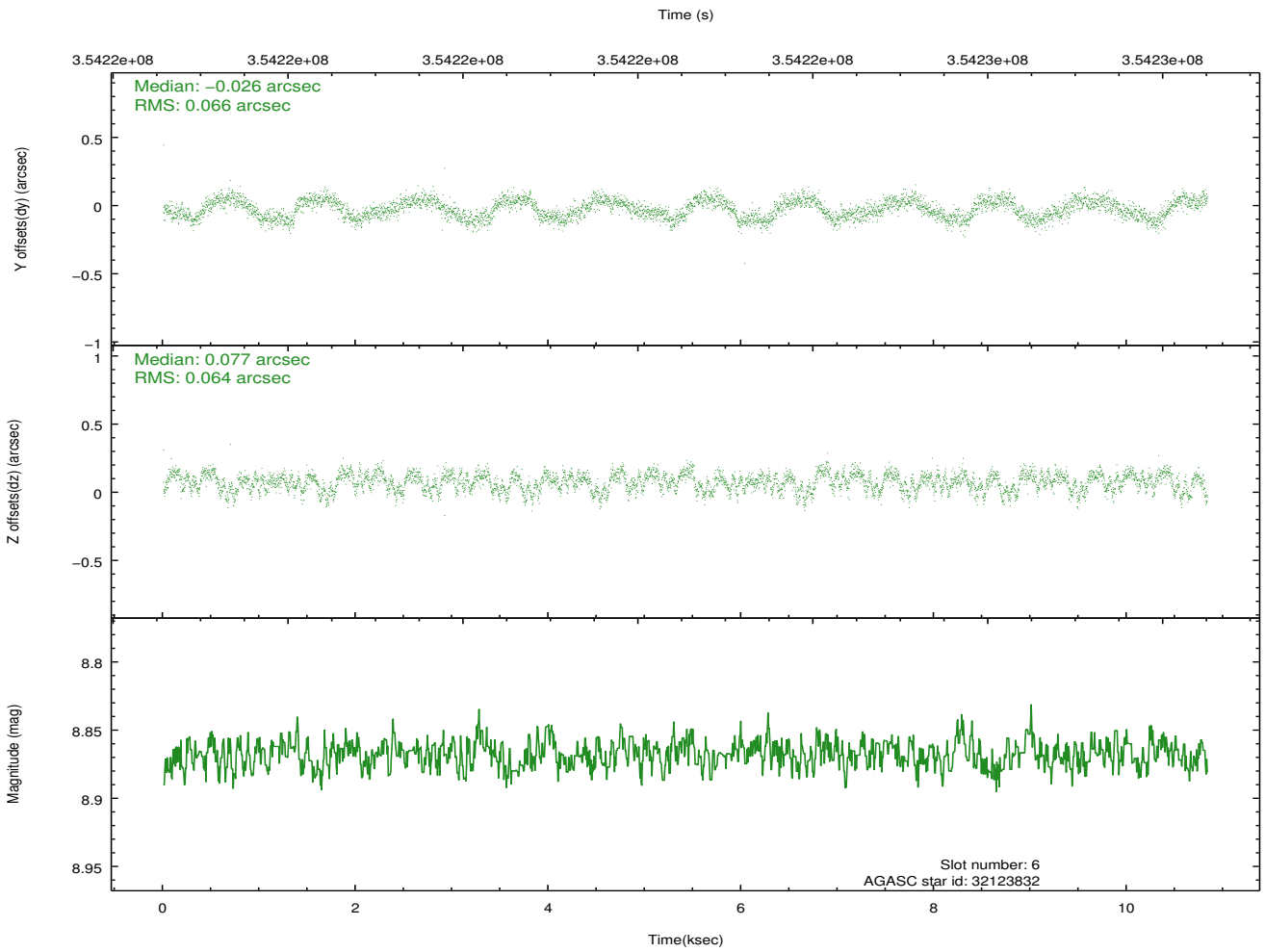
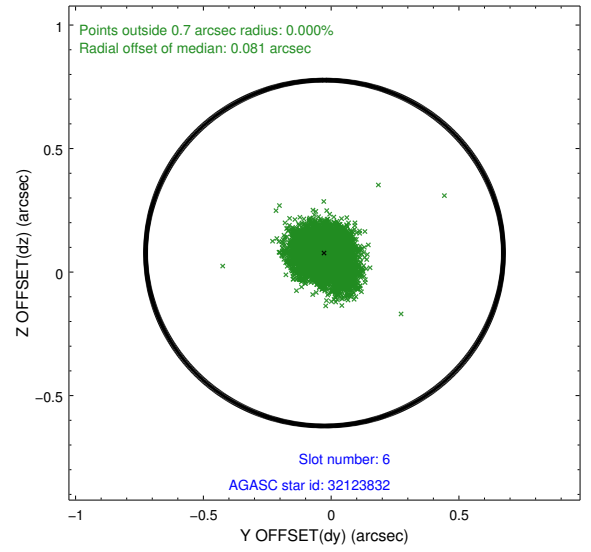
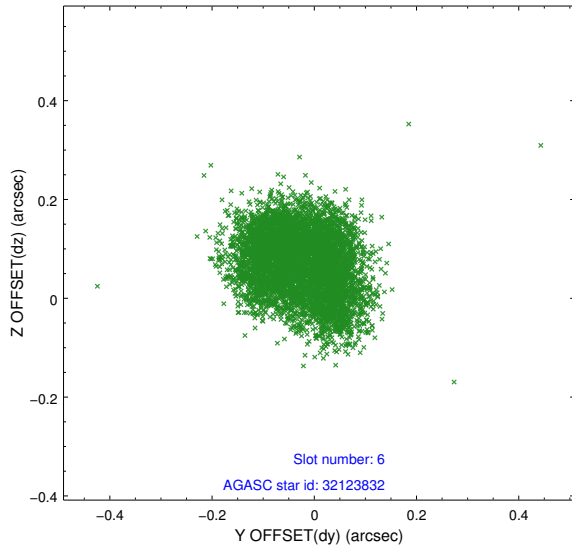
2.4.2 Slot 4



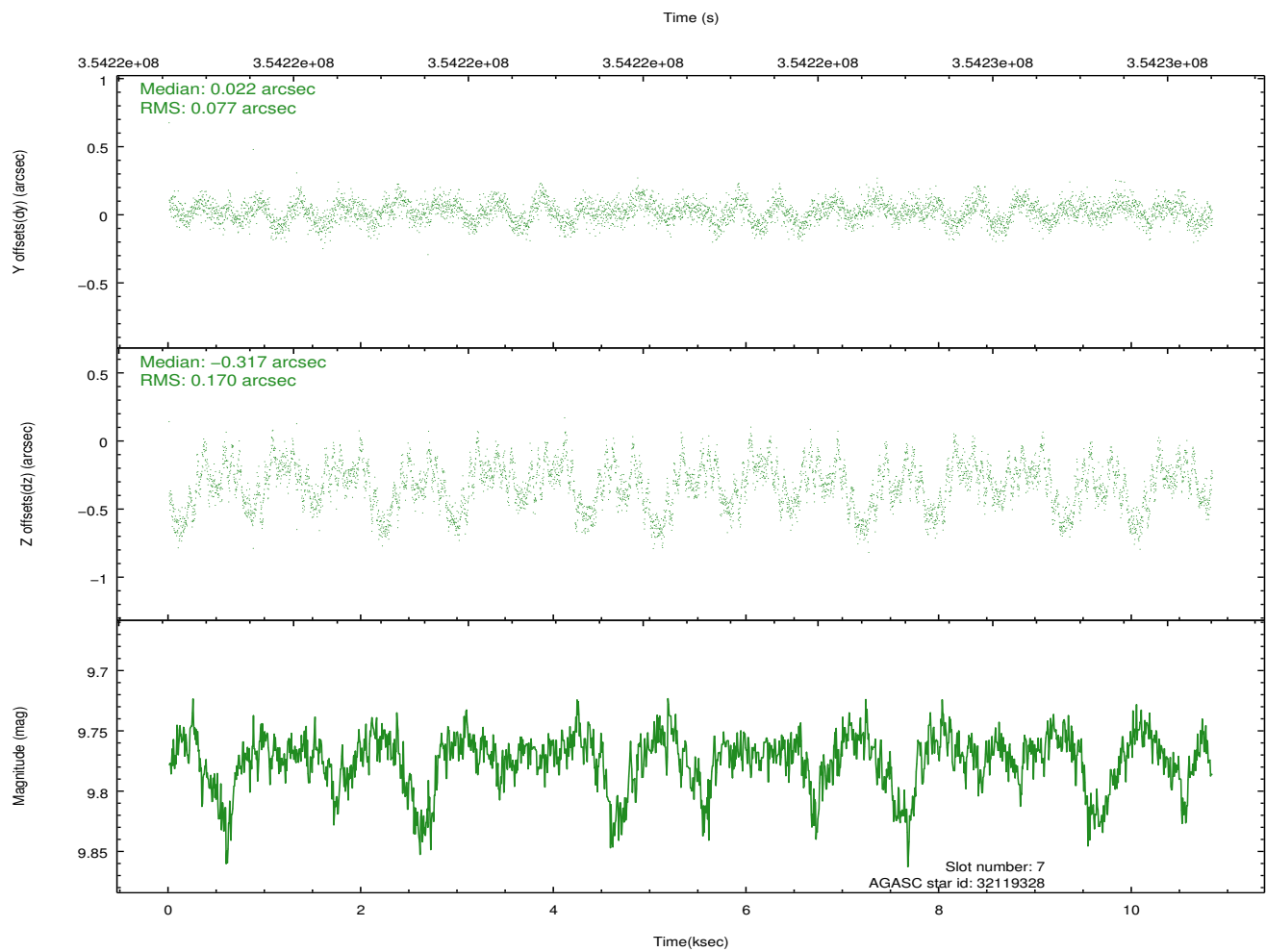
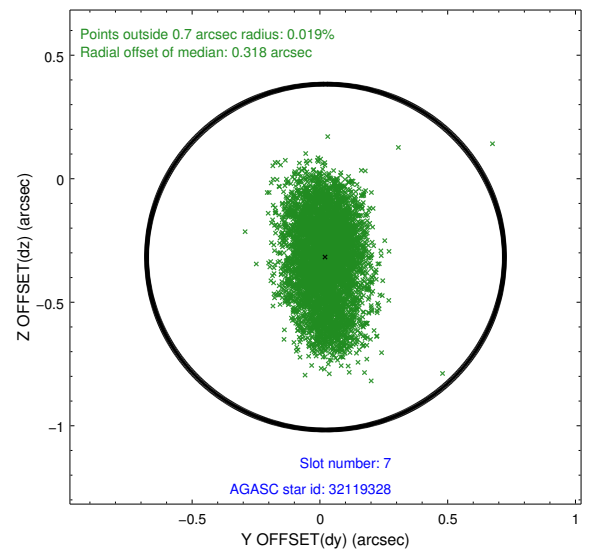
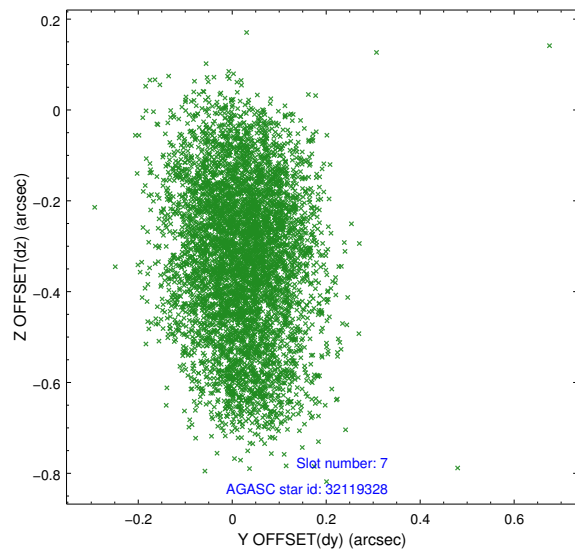
2.4.3 Slot 5



2.4.4 Slot 6

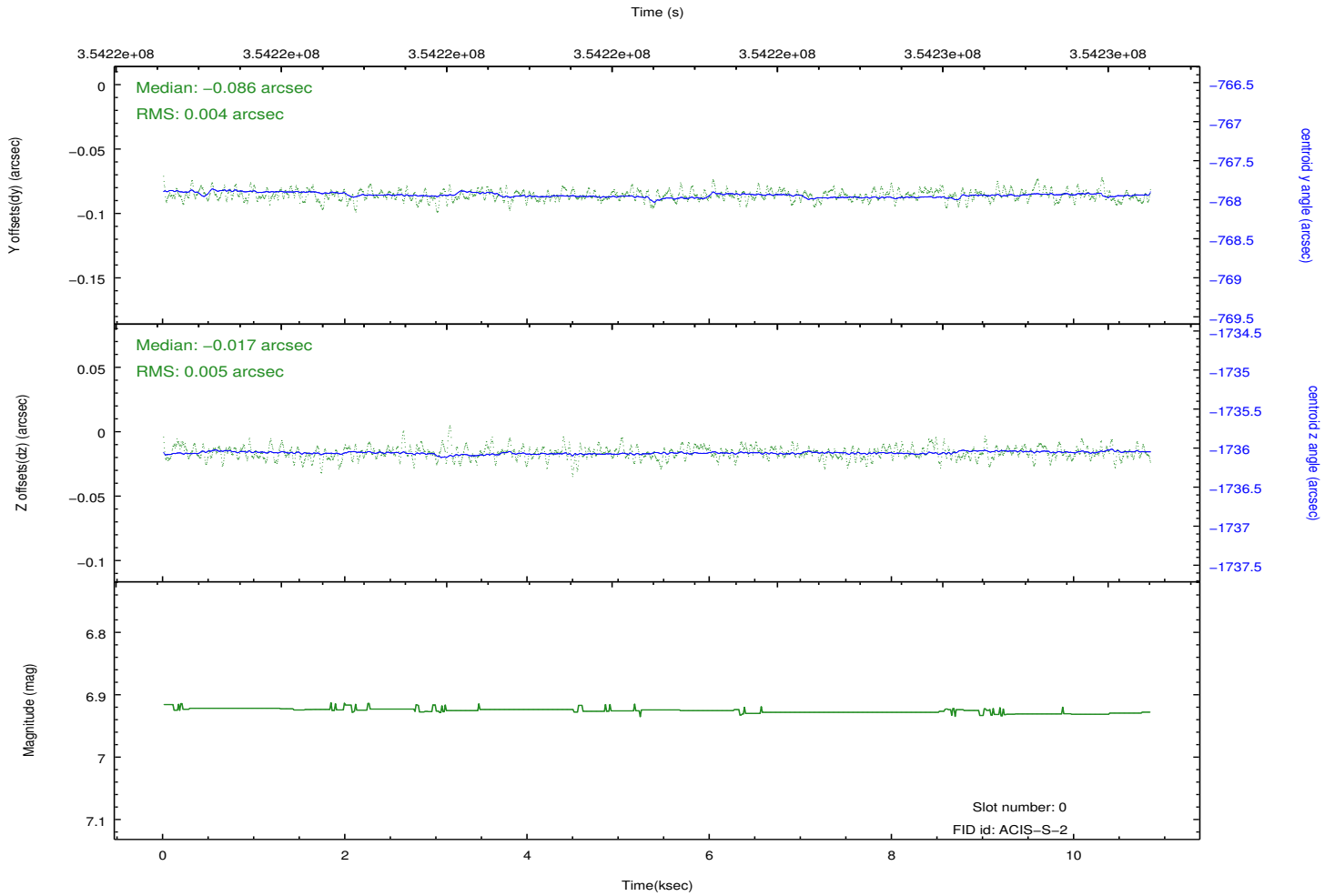
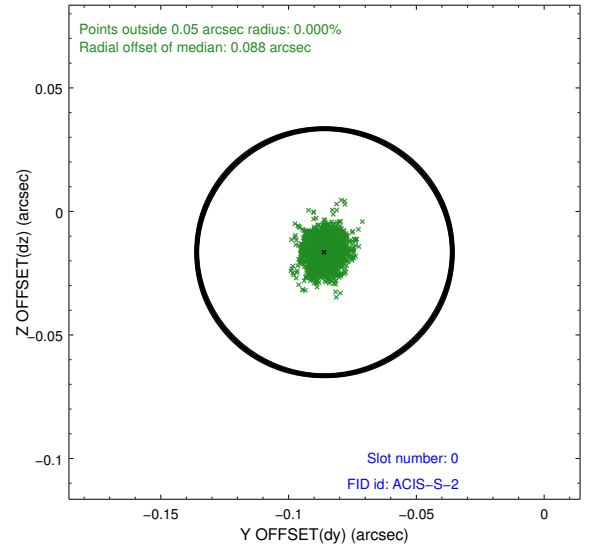
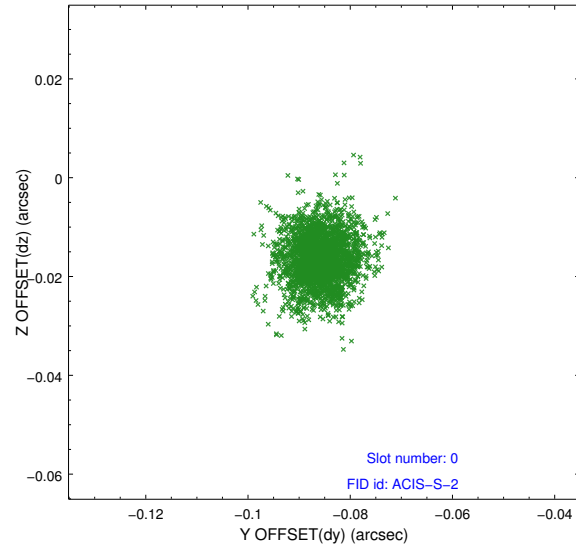


2.4.5 Slot 7

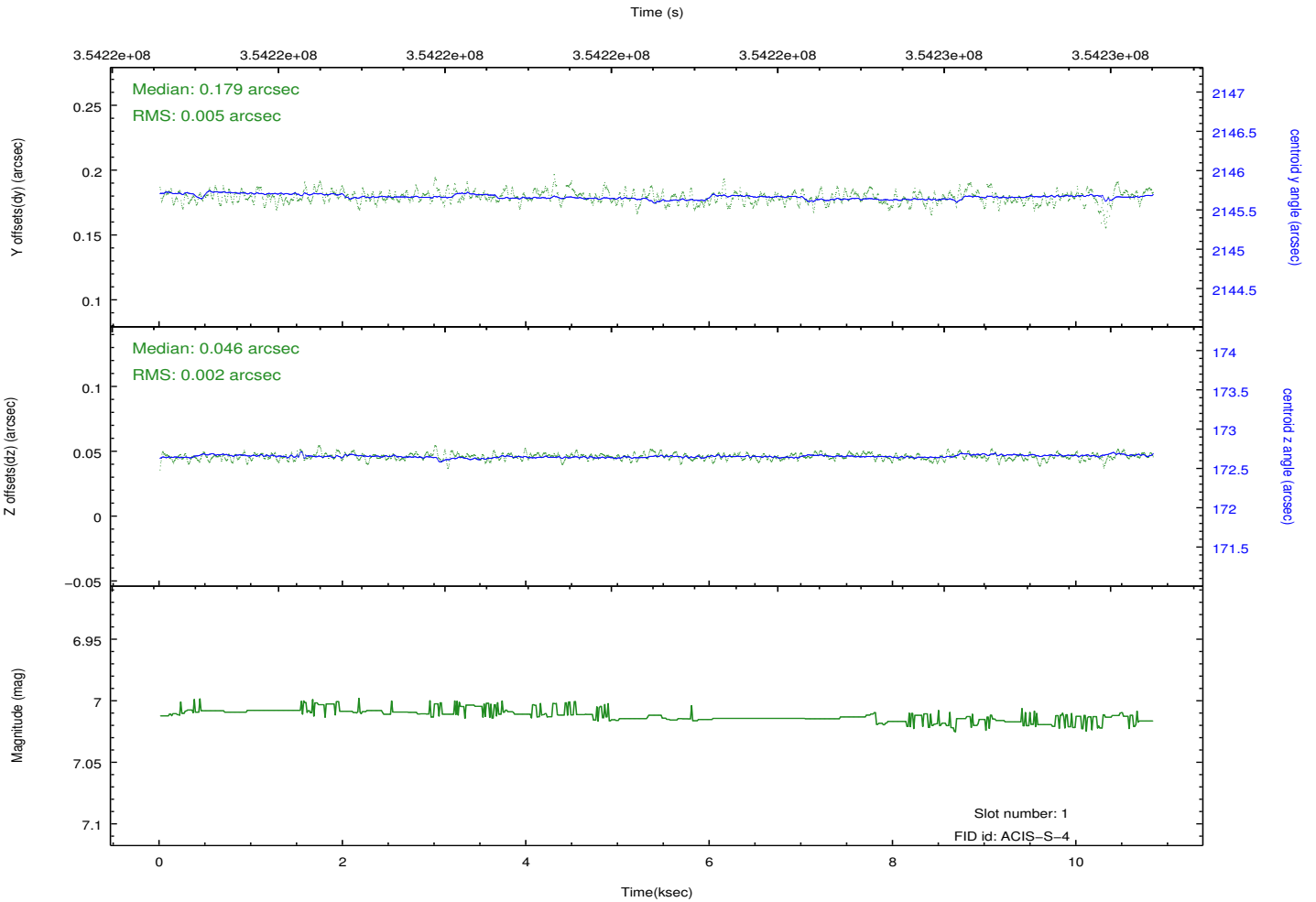
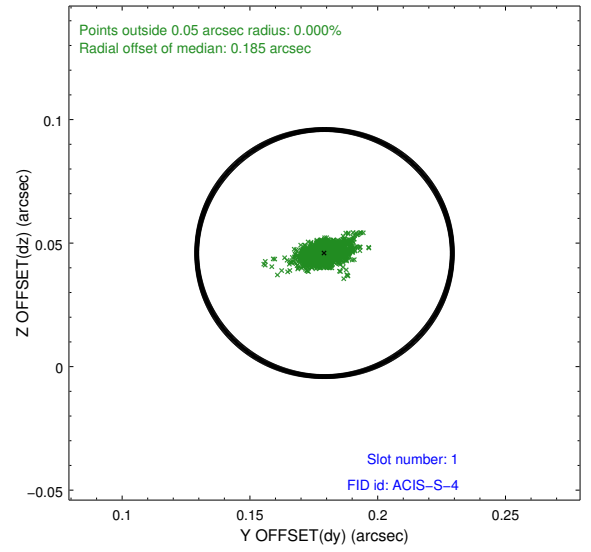
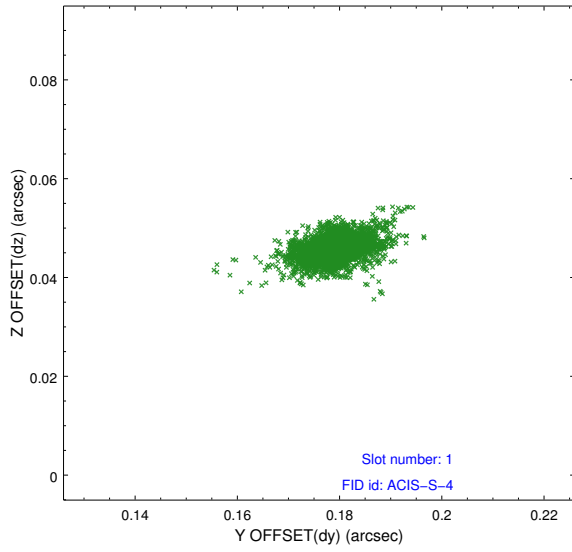


2.5 FID Slots

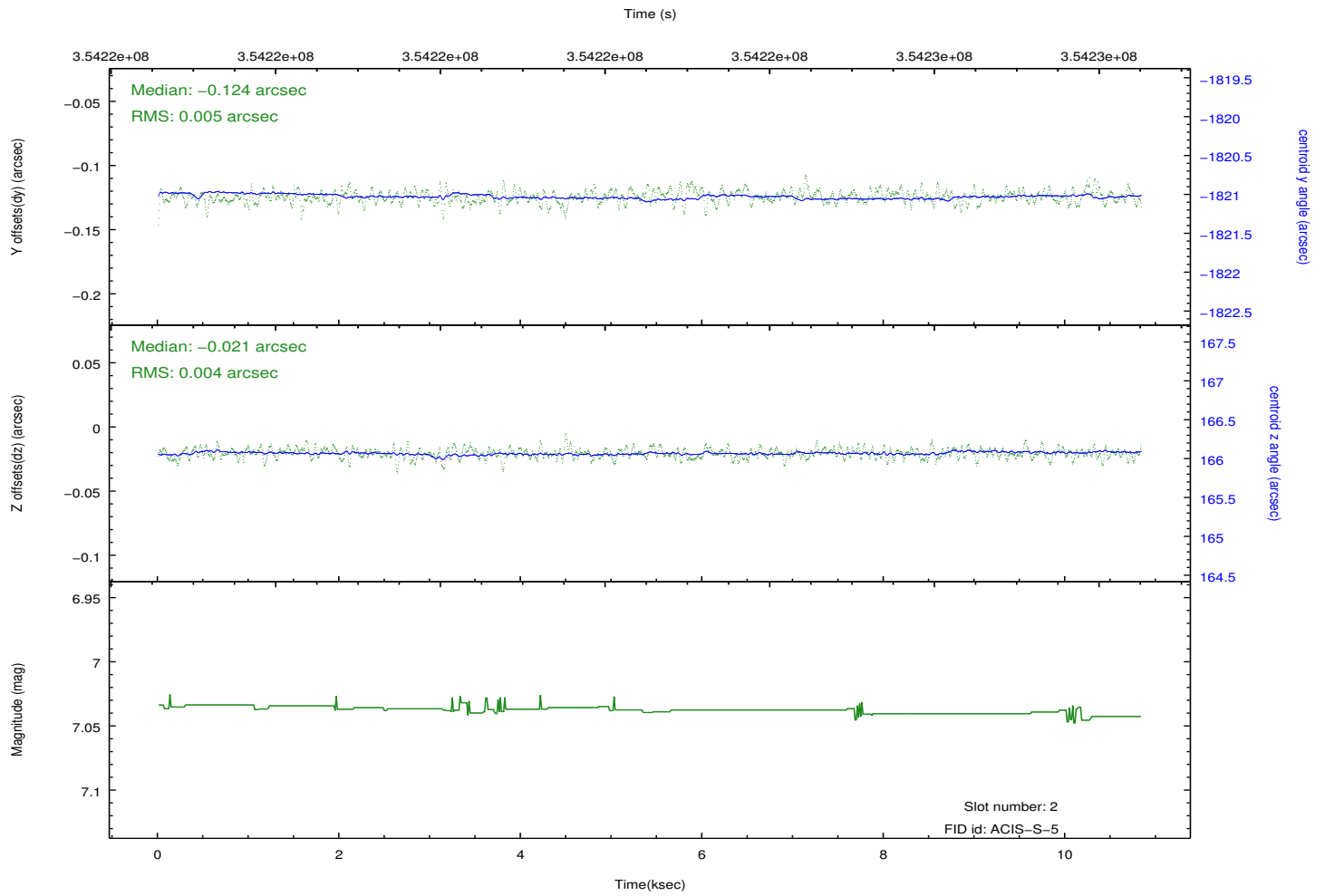
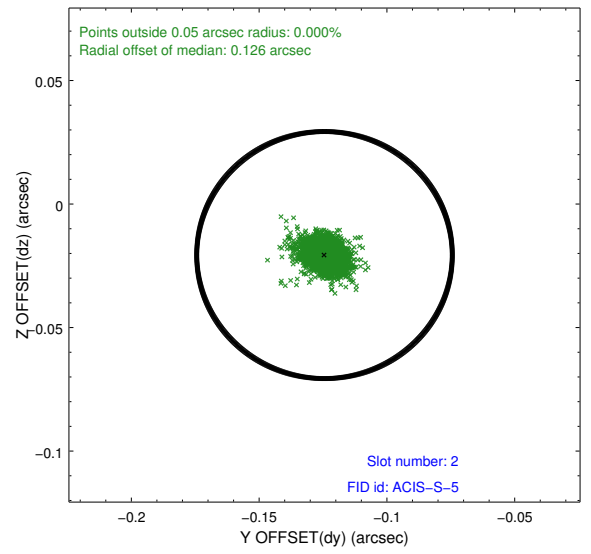
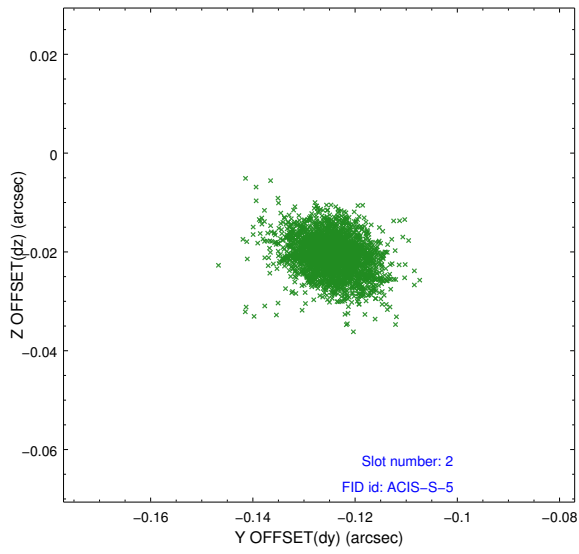
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0347

A.2 Comments