

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19645 - L2 Version 1
Chandra X-Ray Center

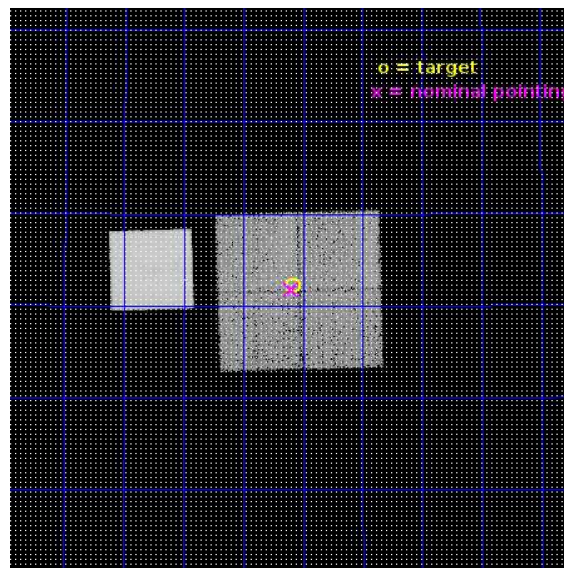
L2 Processing Date : Aug 17 2017

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1 Front

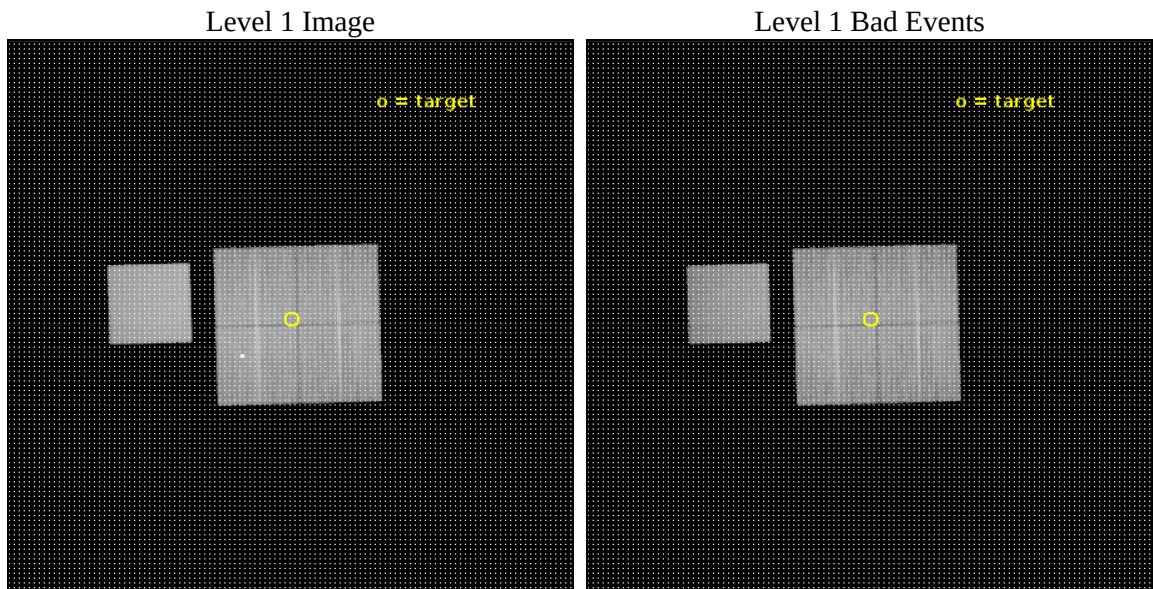
seq_num	901352	Sequence number
obs_id	19645	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.51976	Observer's specified target RA [deg]
dec_targ	33.703593	Observer's specified target Dec [deg]
ra_nom	218.5240382293	Nominal RA [deg]
dec_nom	33.696029563569	Nominal Dec [deg]
roll_nom	268.38067242694	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24771.455222011	Sum of GTIs [s]
livetime	24447.797923055	Livetime [s]
ontime0	24768.191131592	Sum of GTIs [s]
ontime1	24771.373142004	Sum of GTIs [s]
ontime2	24768.273211598	Sum of GTIs [s]
ontime3	24771.455222011	Sum of GTIs [s]
ontime7	24771.496261954	Sum of GTIs [s]
l2events	160702	Number of level 2 events



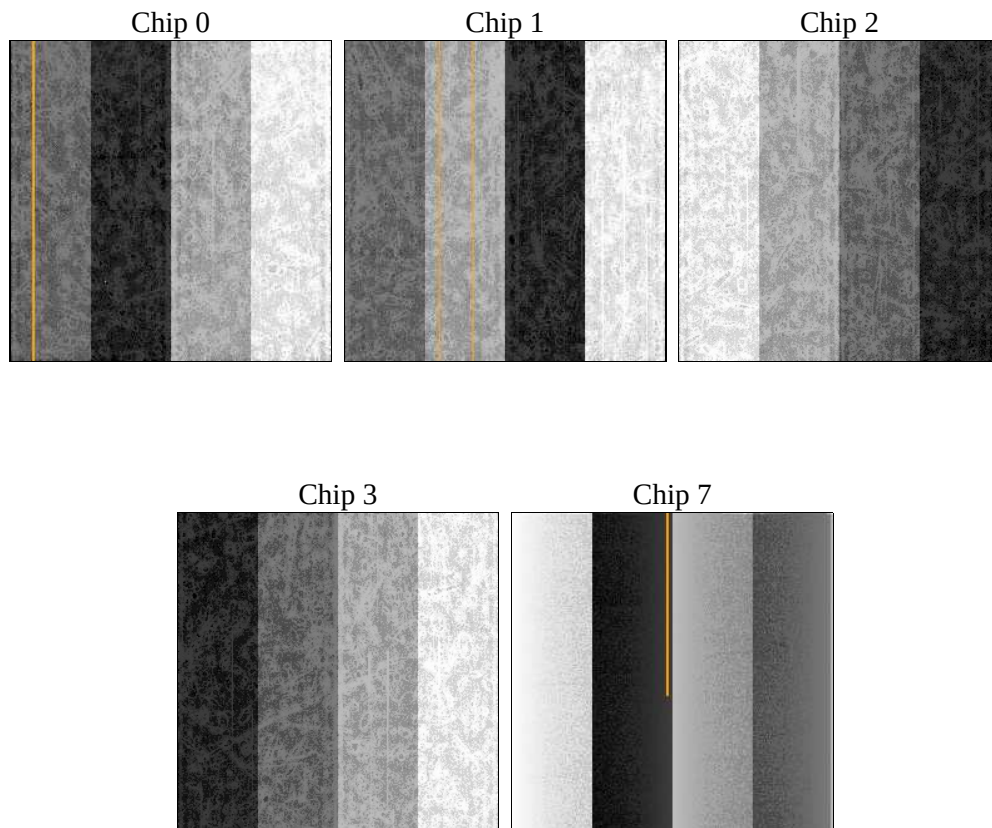
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	24771.455222011	Sum of GTIs [s]
caldsver	4.7.5	 	ontime0	24768.191131592	Sum of GTIs [s]
date	2017-08-17T14:12:25	Date and time of file creation	ontime1	24771.373142004	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	24768.273211598	Sum of GTIs [s]
			ontime3	24771.455222011	Sum of GTIs [s]
			ontime7	24771.496261954	Sum of GTIs [s]
			l1events	878708	Number of level 1 events

2.1.4 Events

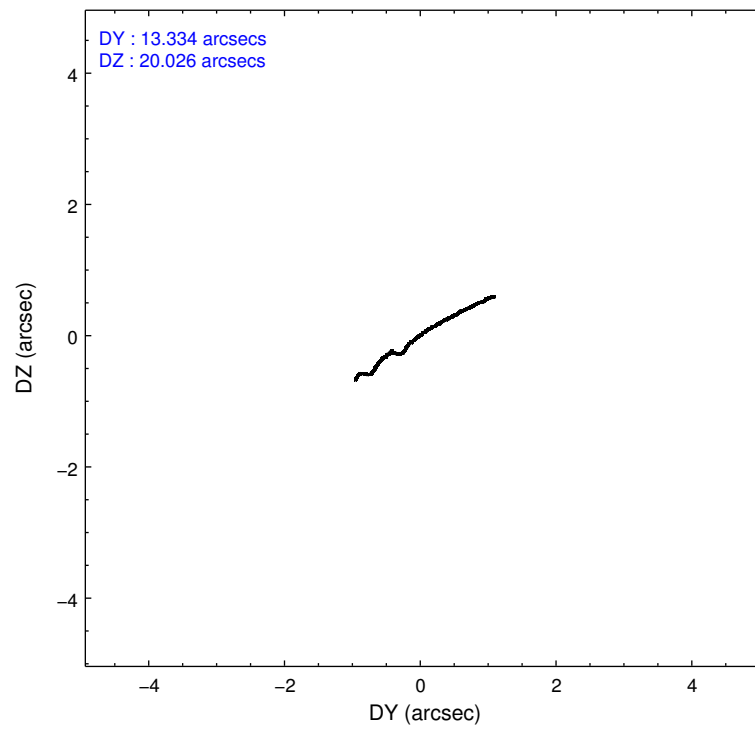
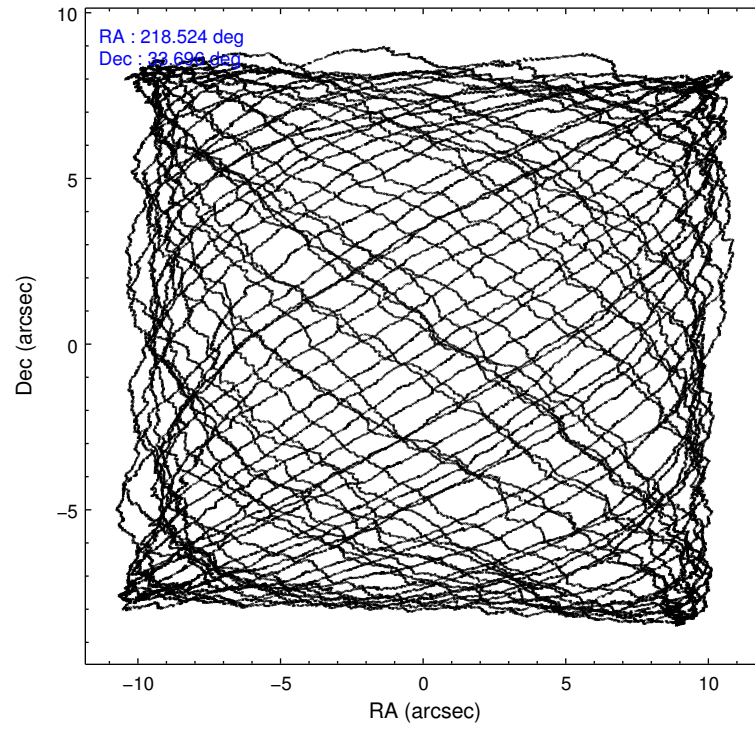
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	154993	157722	176245	167811	221937
rejected events	135690	136323	149852	148560	124298
rejected %	87%	86%	85%	88%	56%

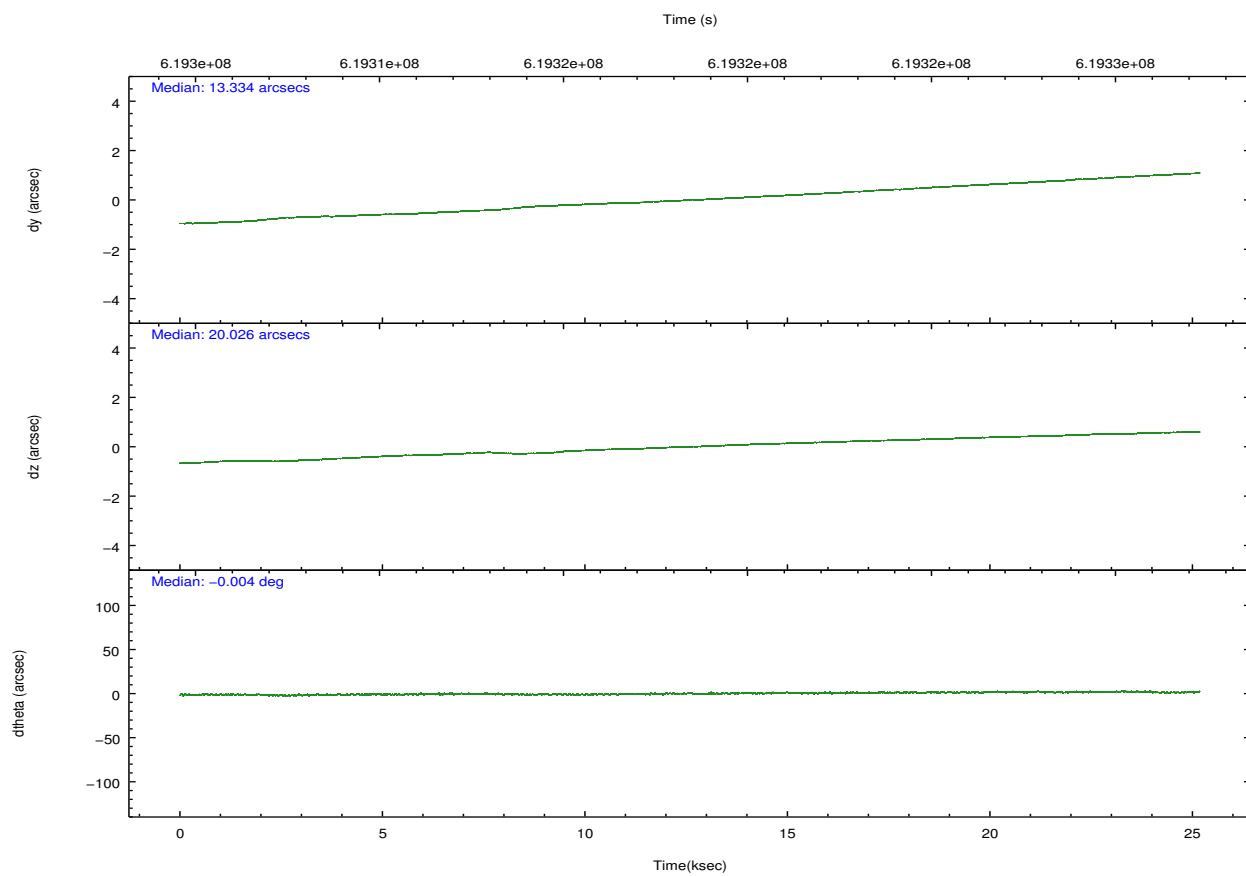
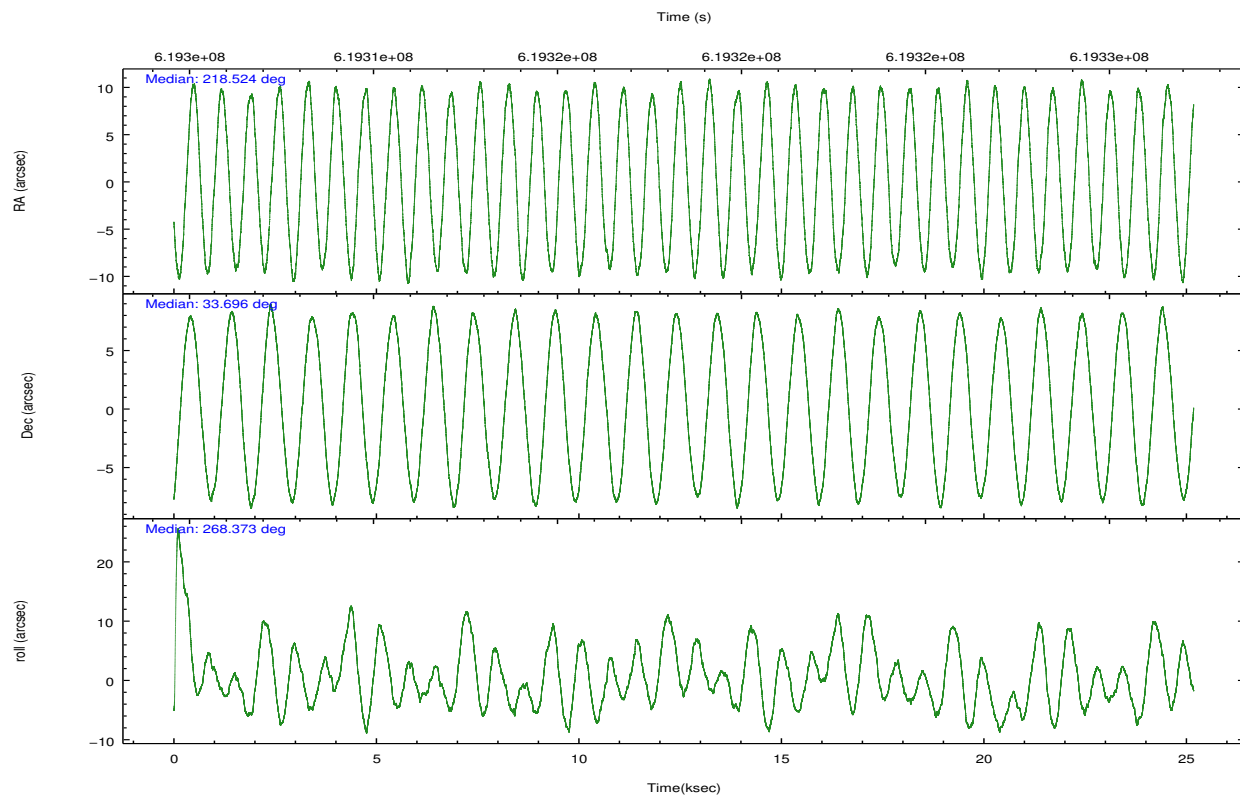
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6589	7364	14226	7362	8469
	4%	4%	8%	4%	3%
grade 1 events	77	68	165	98	328
	0%	0%	0%	0%	0%
grade 2 events	5035	5418	4759	4139	20661
	3%	3%	2%	2%	9%
grade 3 events	1950	2055	1836	1961	7939
	1%	1%	1%	1%	3%
grade 4 events	1837	2047	1987	1964	7915
	1%	1%	1%	1%	3%
grade 5 events	7138	7778	6855	8344	22644
	4%	4%	3%	4%	10%
grade 6 events	3895	4523	3588	3828	52671
	2%	2%	2%	2%	23%
grade 7 events	128472	128469	142829	140115	101310
	82%	81%	81%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	218.508169	218.5240382293027	CCD I2 on	Y	Y
[deg] Pointing Dec	33.720273	33.69602956356907	CCD I3 on	Y	Y
[deg] Pointing Roll	268.180794	268.3806724269447	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	619306040.184000	619305606.22019	CCD S5 on	N	N
Observation start date	2017-08-16T21:26:11	2017-08-16T21:20:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	619331040.184000	619331226.09668	On-chip summing requested	N	N
Observation end date	2017-08-17T04:22:51	2017-08-17T04:27:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



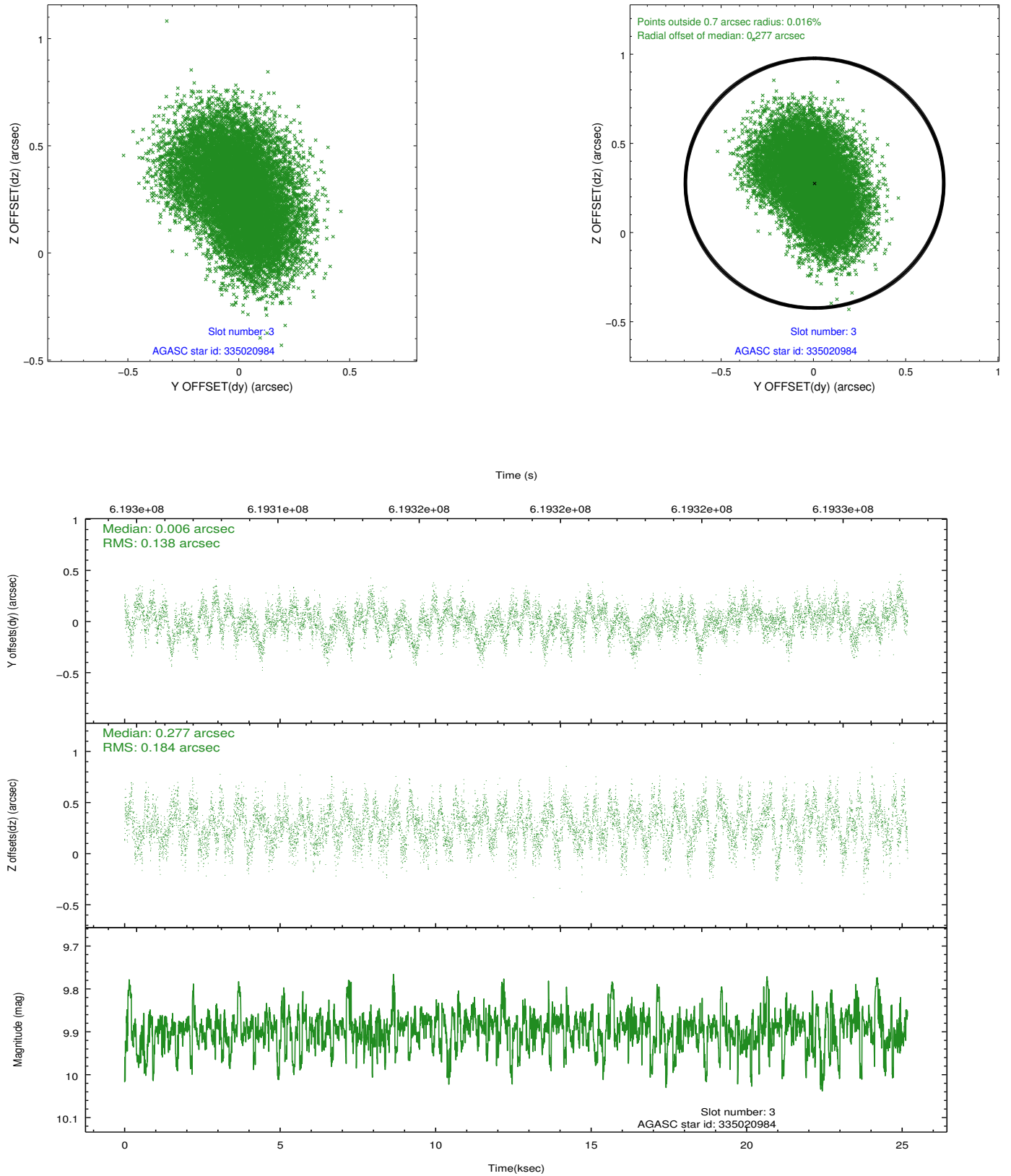


Slot Statistics

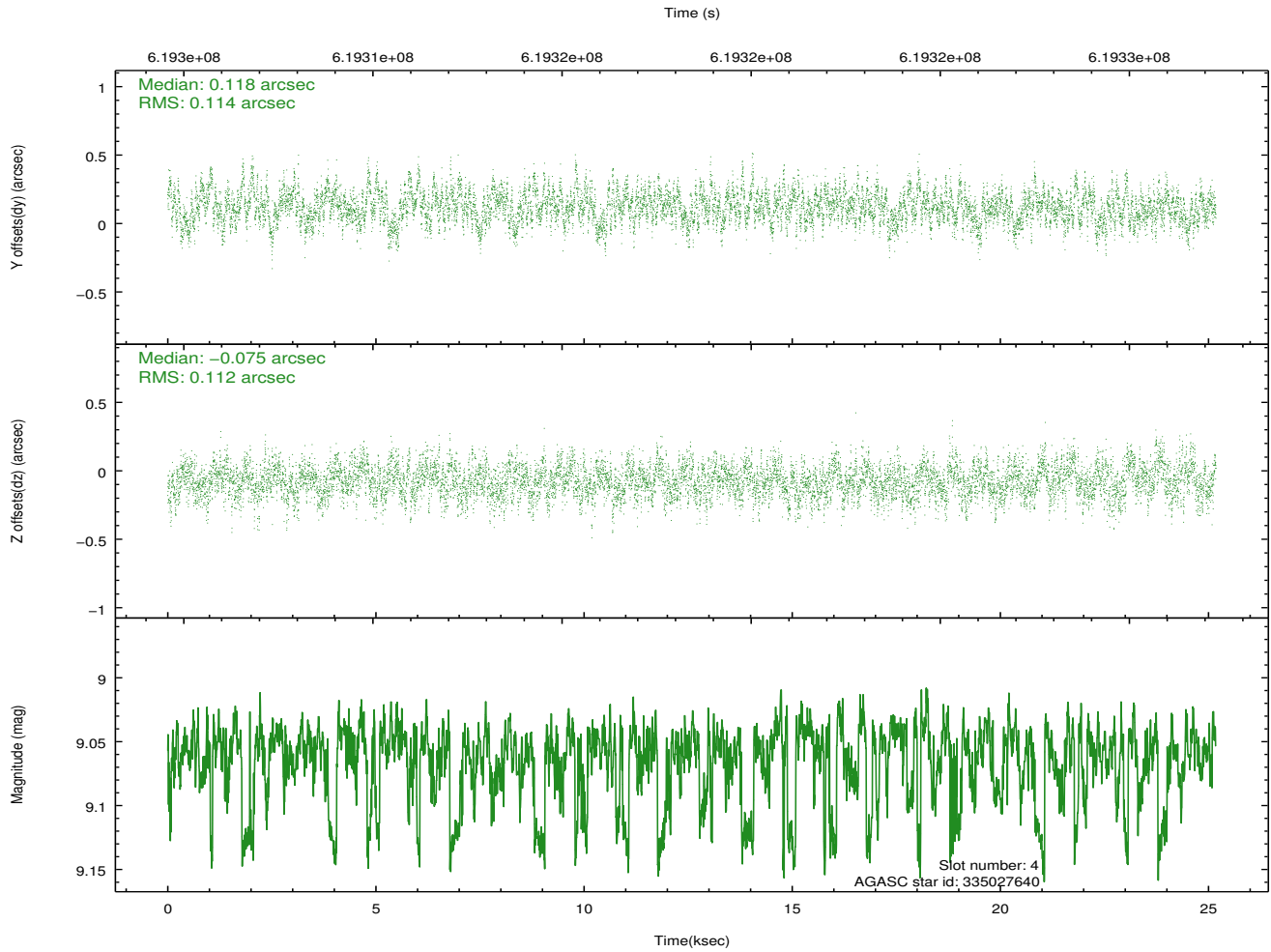
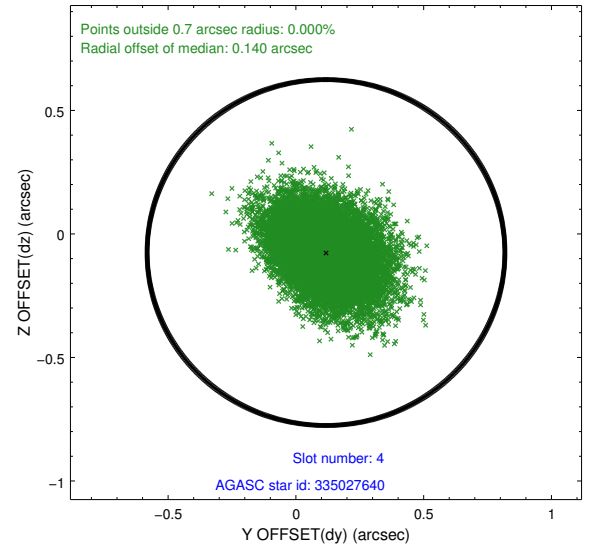
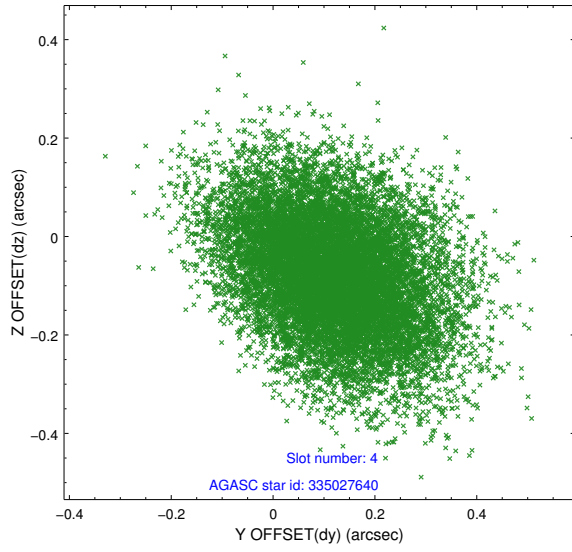
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	6142	0.058	-0.024	0.022	0.034	0.000000	0.000000	926.24	-843.74
1	FID		ACIS-I-5	7.12	6142	-0.321	0.030	0.014	0.023	0.000000	0.000000	-1822.26	1053.63
2	FID		ACIS-I-6	7.13	6142	0.173	0.066	0.019	0.031	0.000000	0.000000	391.66	1698.40
3	GUIDE	used	335020984	9.90	12257	0.006	0.277	0.249	0.392	218.841668	33.815112	-376.23	984.56
4	GUIDE	used	335027640	9.06	12269	0.118	-0.075	0.170	0.278	218.092211	33.193770	1932.50	-1192.30
5	GUIDE	used	335029384	8.48	12280	0.056	-0.035	0.156	0.266	217.848061	33.088477	2331.83	-1917.63
6	GUIDE	used	335154960	9.50	12262	-0.153	-0.199	0.187	0.313	219.209961	33.303073	1428.64	2160.53
7	GUIDE	used	335157088	9.06	12273	-0.028	0.033	0.152	0.256	219.274029	33.726909	-104.62	2291.18

2.4 Star Slots

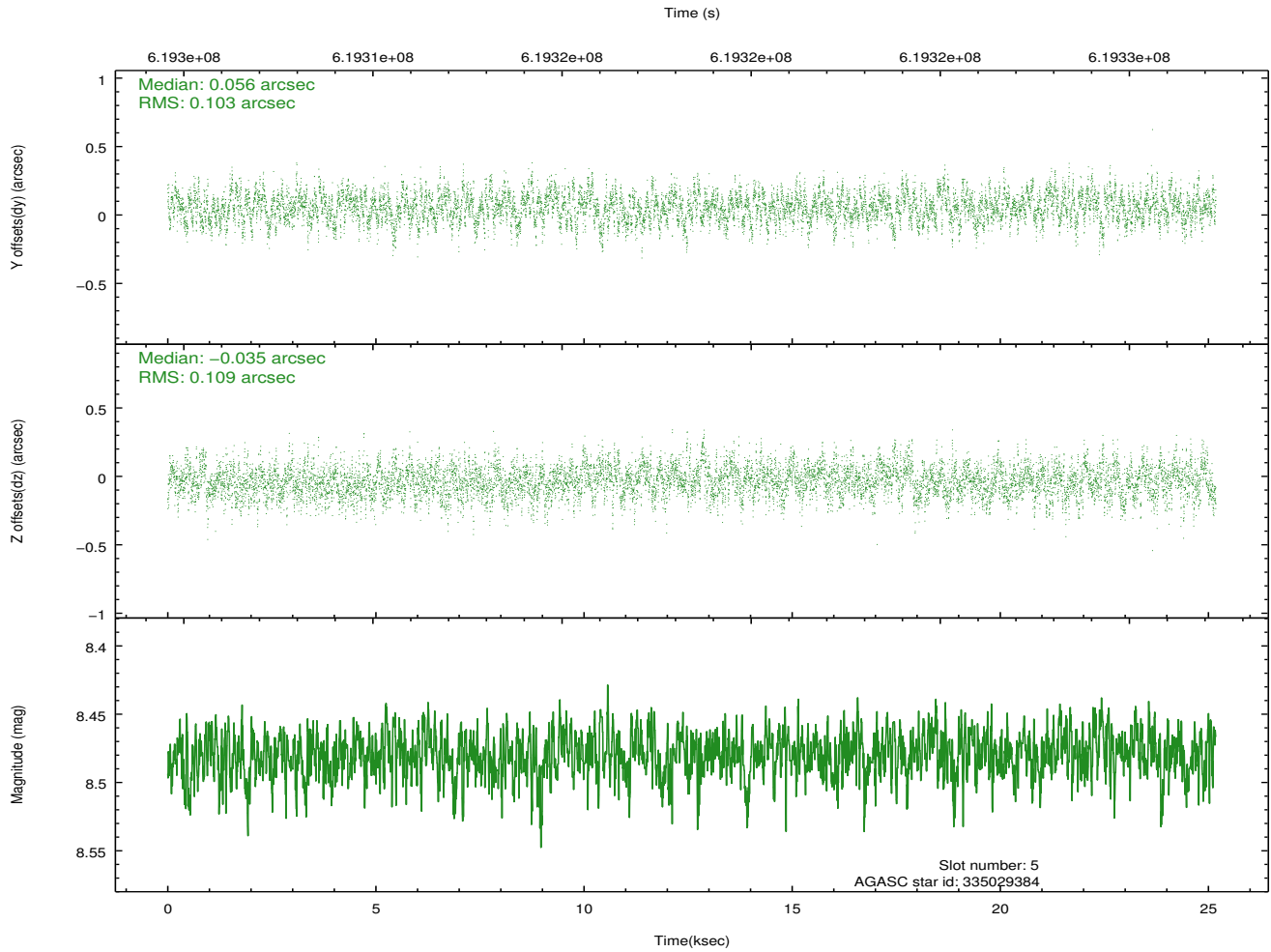
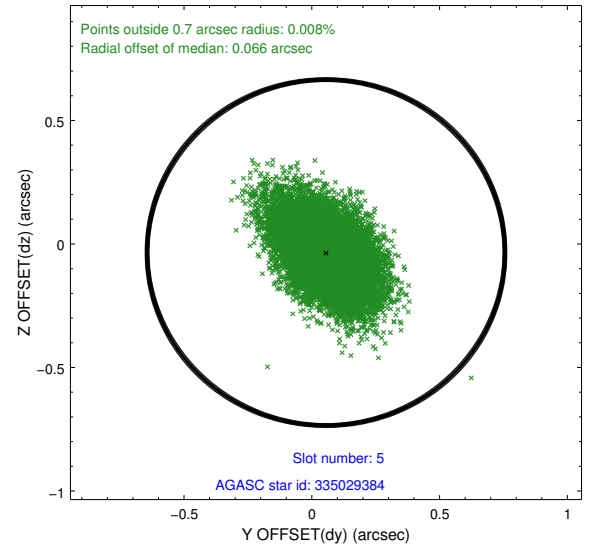
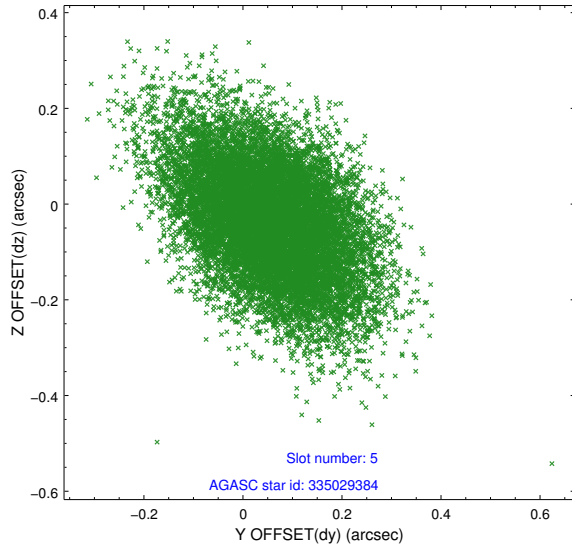
2.4.1 Slot 3



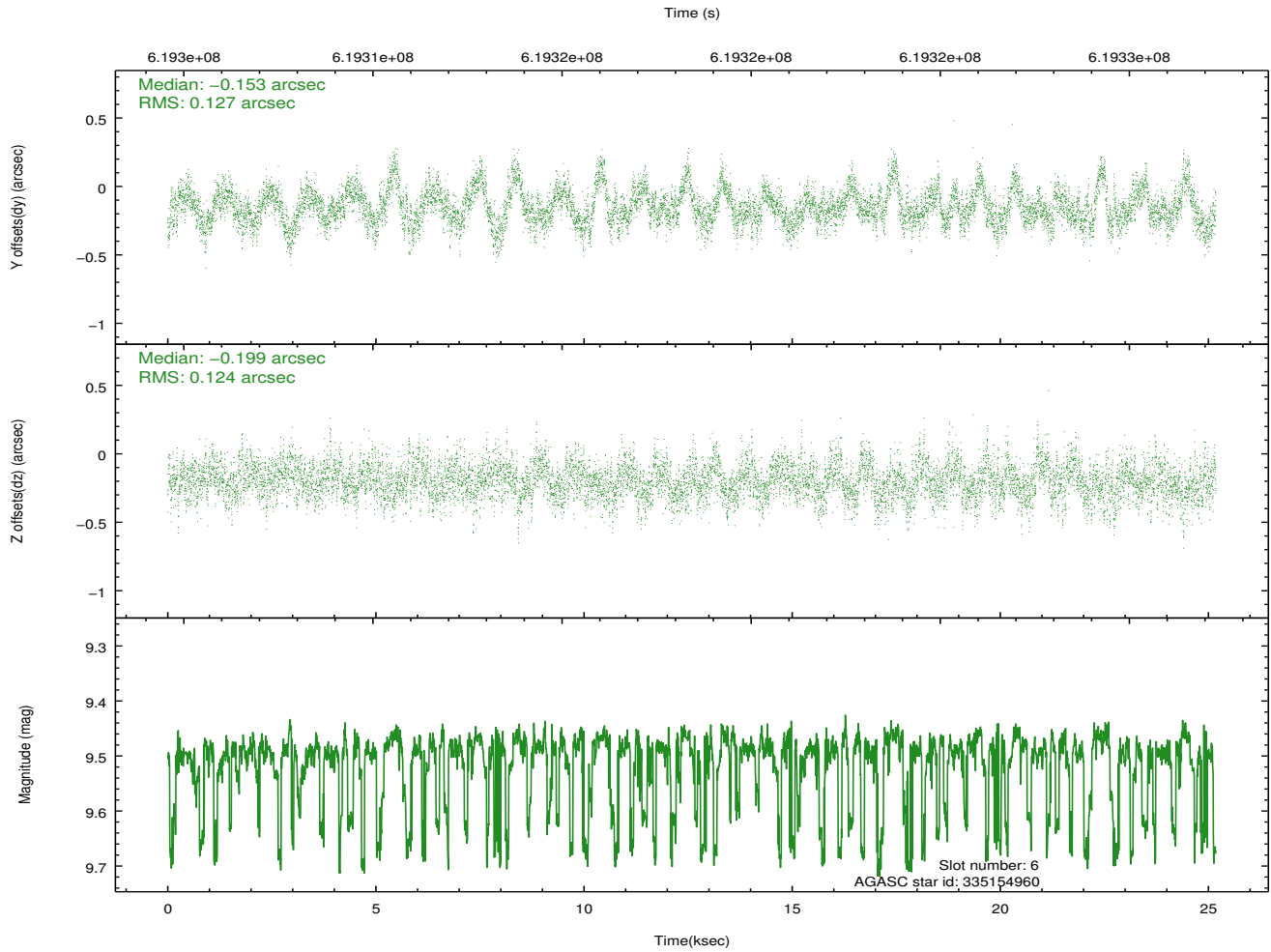
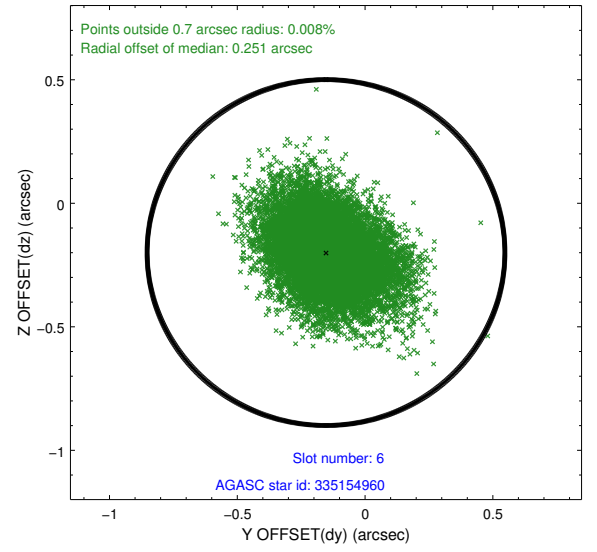
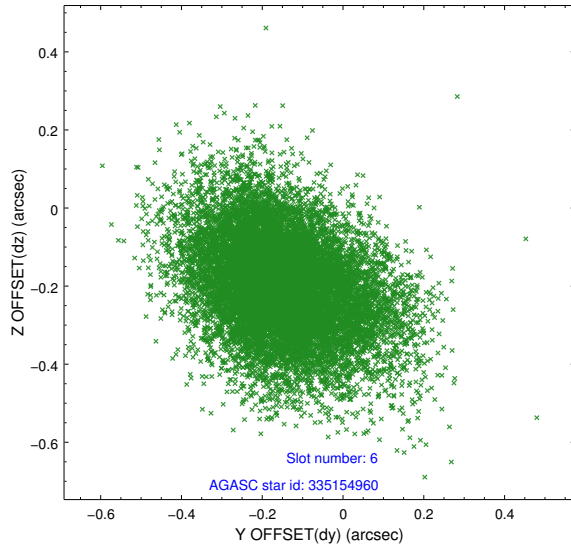
2.4.2 Slot 4



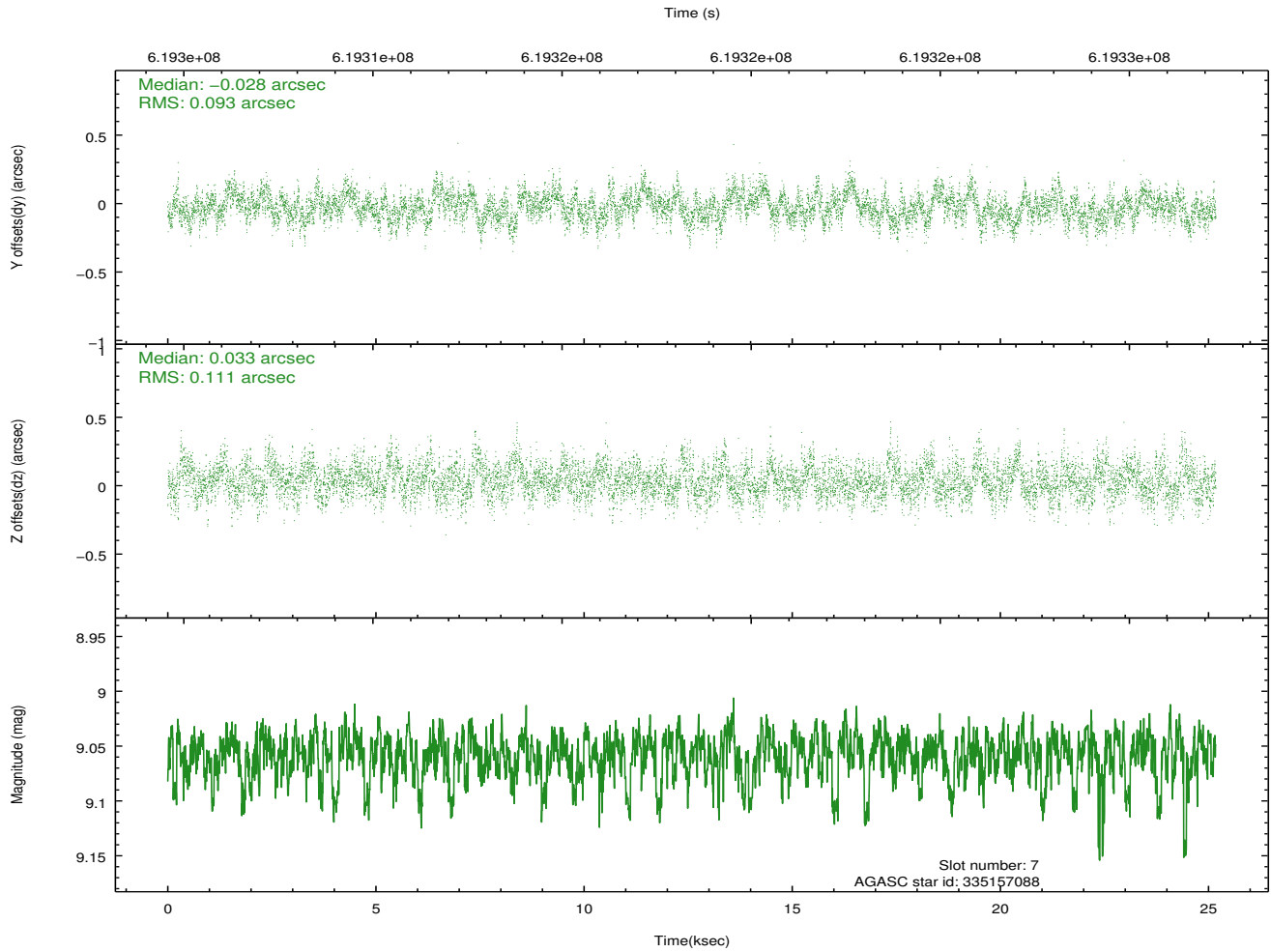
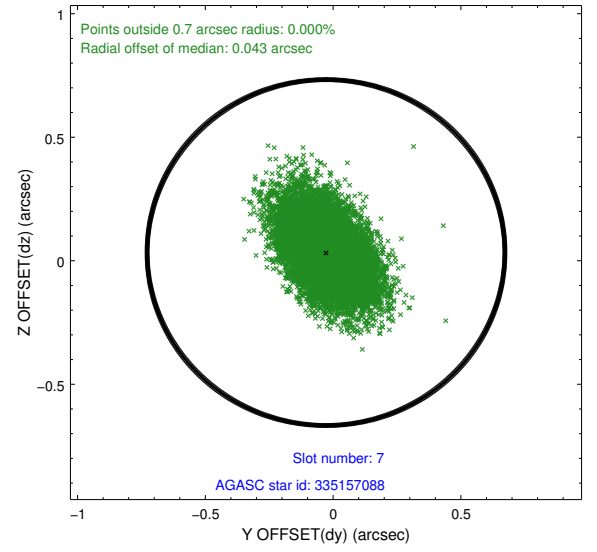
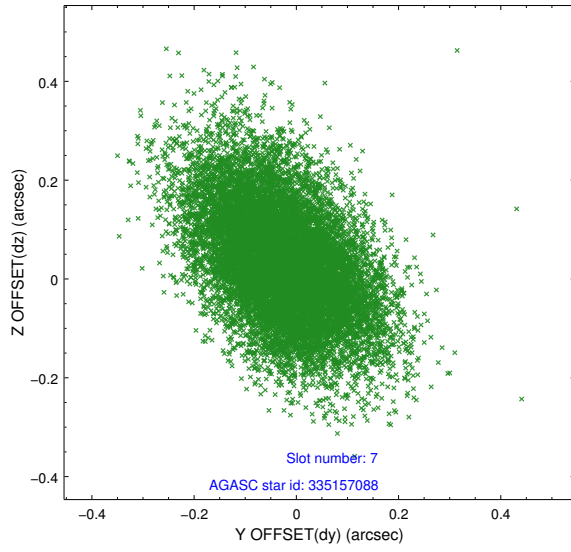
2.4.3 Slot 5



2.4.4 Slot 6

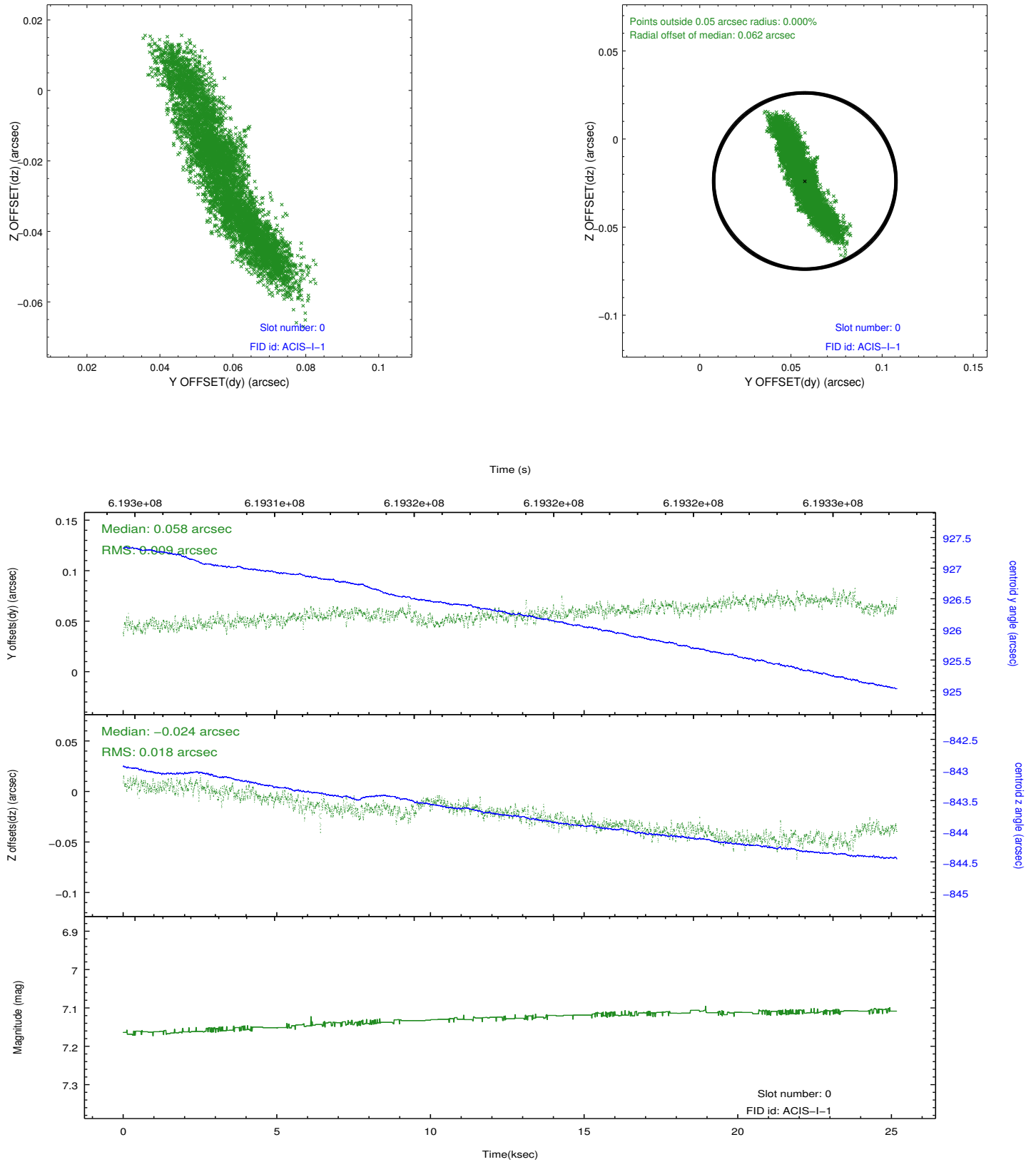


2.4.5 Slot 7

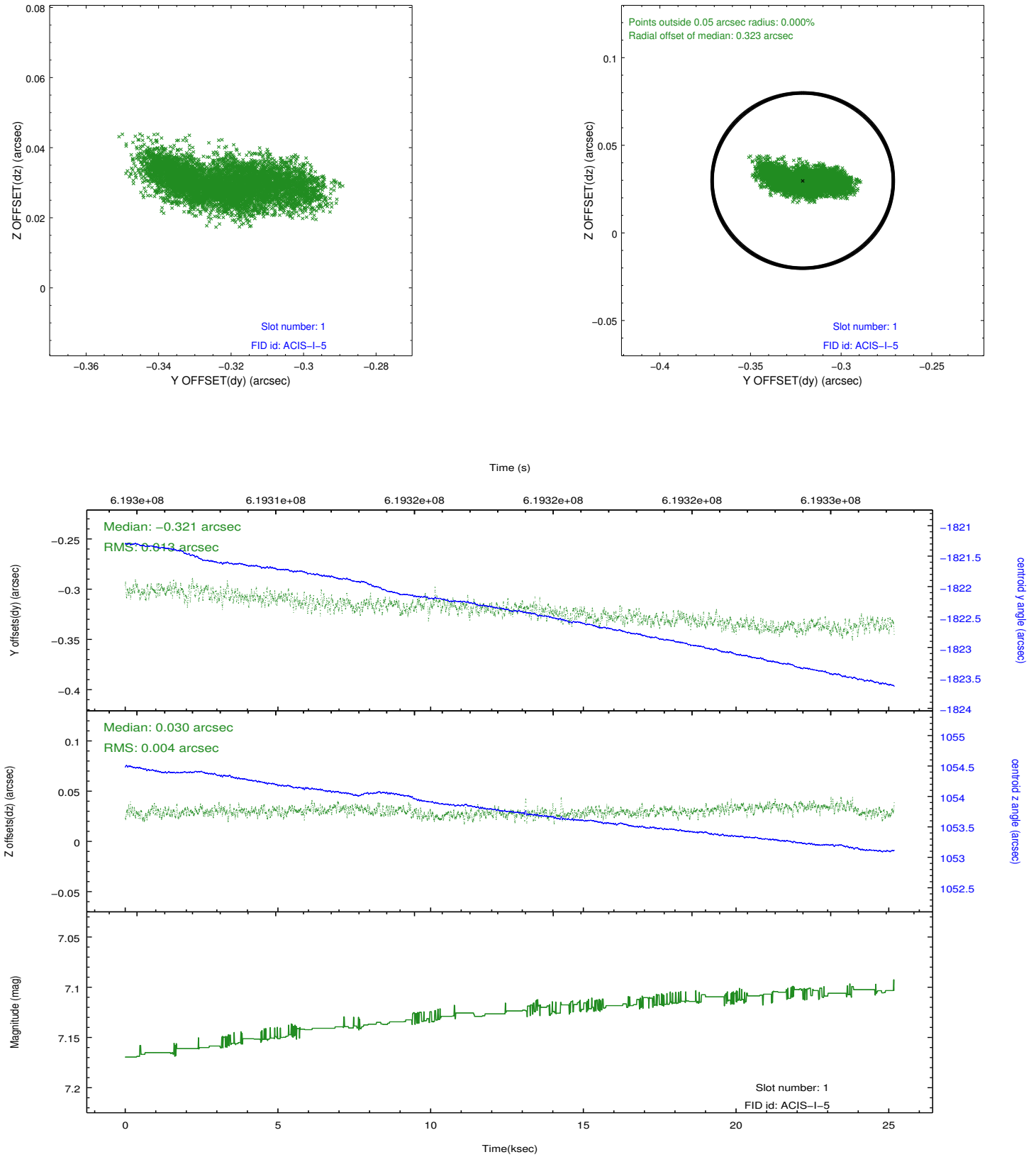


2.5 FID Slots

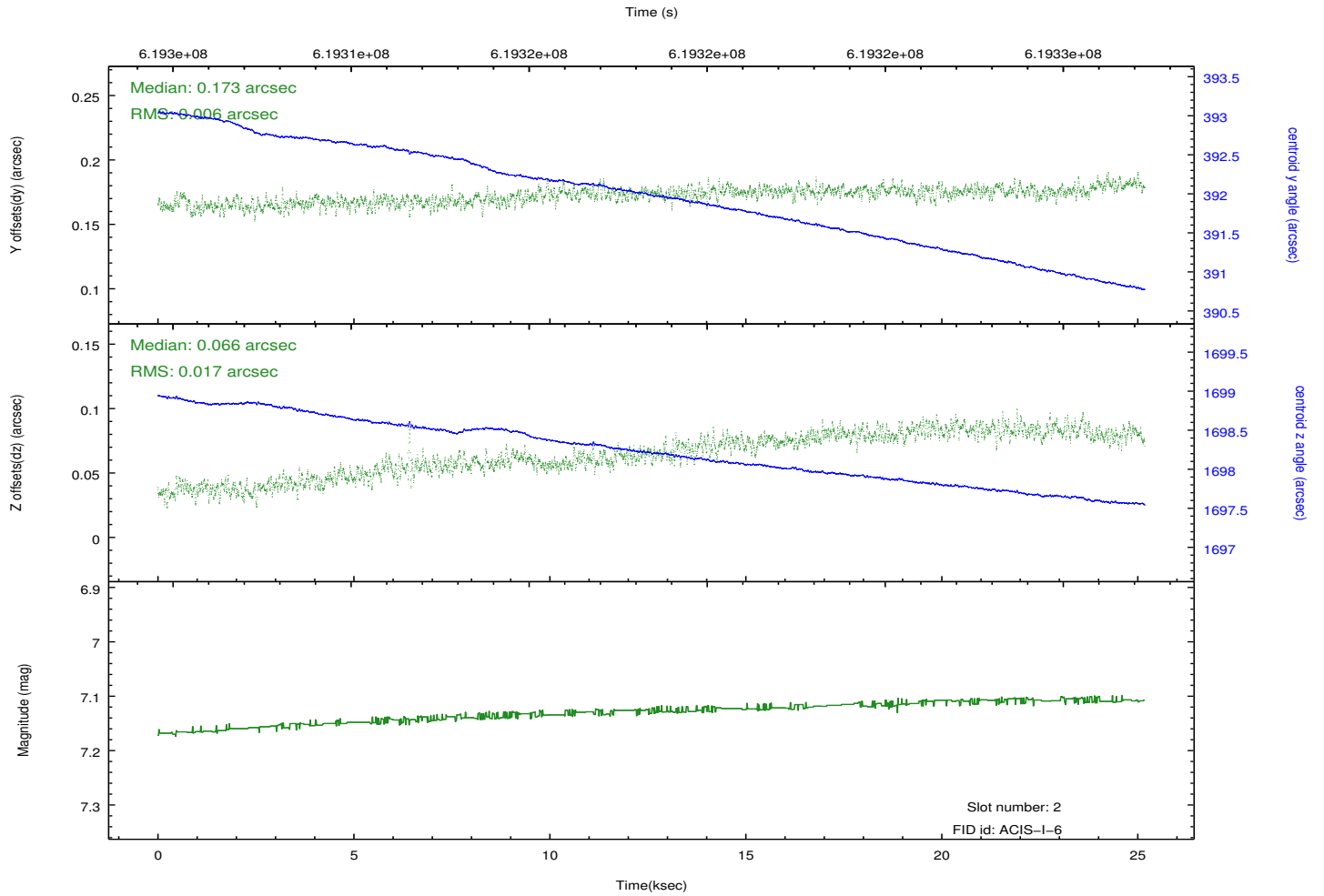
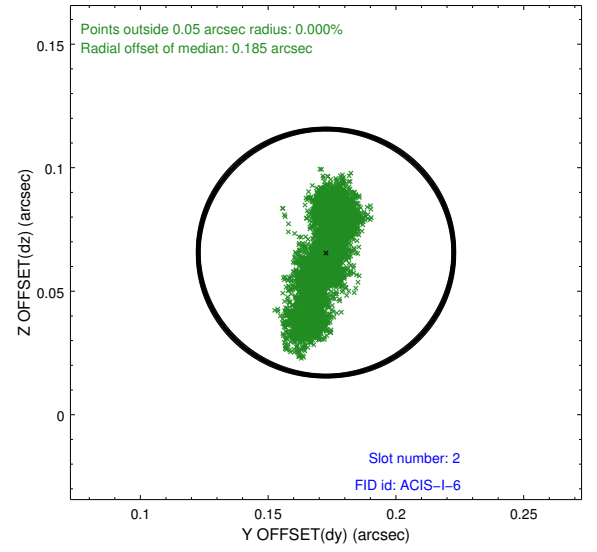
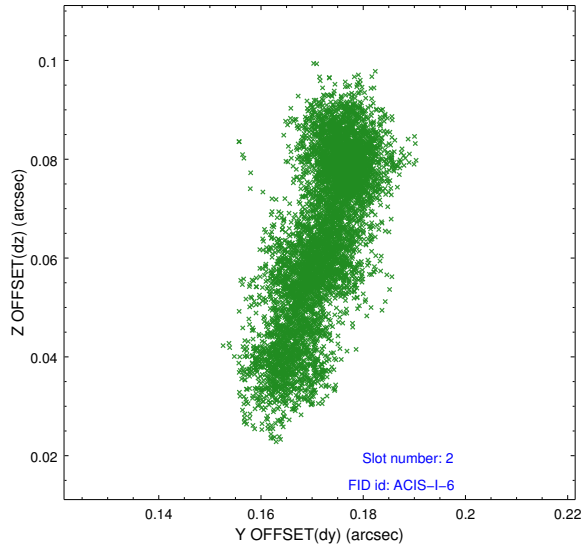
2.5.1 Slot 0



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)	2017.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.771455222011

A.2 Comments