

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8938 - L2 Version 2
Chandra X-Ray Center

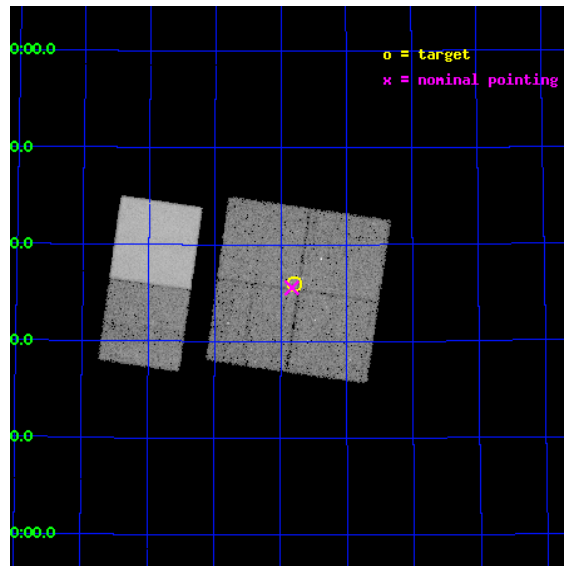
L2 Processing Date : May 24 2012

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1 Front

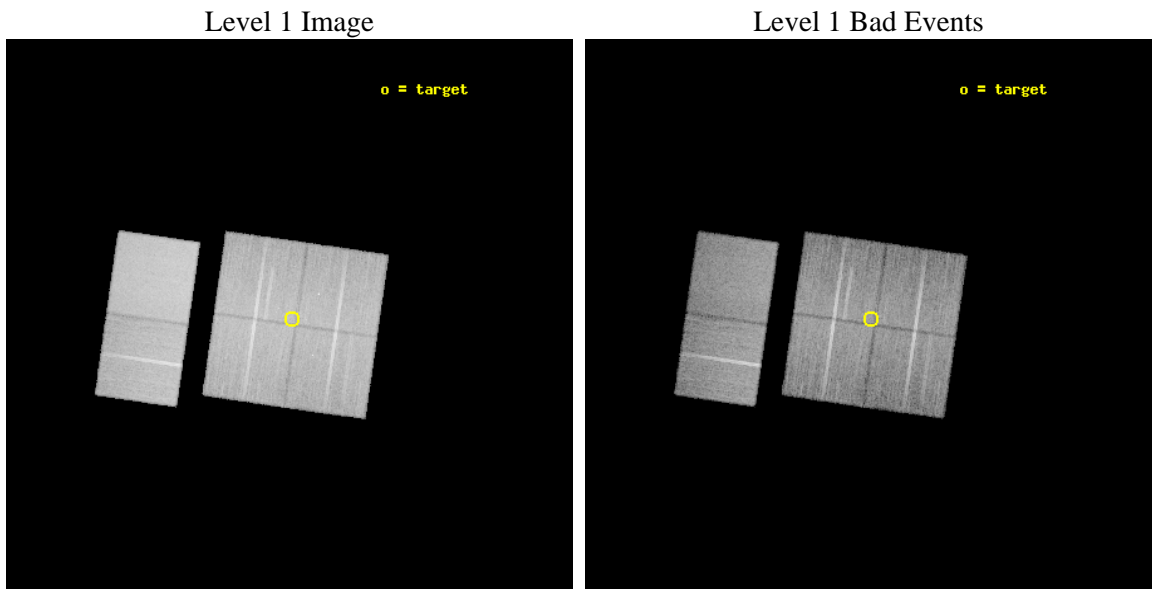
seq_num	200519	Sequence number
obs_id	8938	Observation id
title	The Evolution of X-ray Emission in the Planet-Forming Era	Proposal
observer	Dr Jon Miller	Principal investigator
object	NGC 7160	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.45	Observer's specified target RA [deg]
dec_targ	62.6	Observer's specified target Dec [deg]
ra_nom	328.45754123641	Nominal RA [deg]
dec_nom	62.592687151054	Nominal Dec [deg]
roll_nom	278.20200187982	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18252.799932063	Sum of GTIs [s]
livetime	18021.671988806	Livetime [s]
ontime0	18252.799932063	Sum of GTIs [s]
ontime1	18252.799932063	Sum of GTIs [s]
ontime2	18252.799932063	Sum of GTIs [s]
ontime3	18252.799932063	Sum of GTIs [s]
ontime6	18252.799932063	Sum of GTIs [s]
ontime7	18252.799932063	Sum of GTIs [s]
l2events	202411	Number of level 2 events



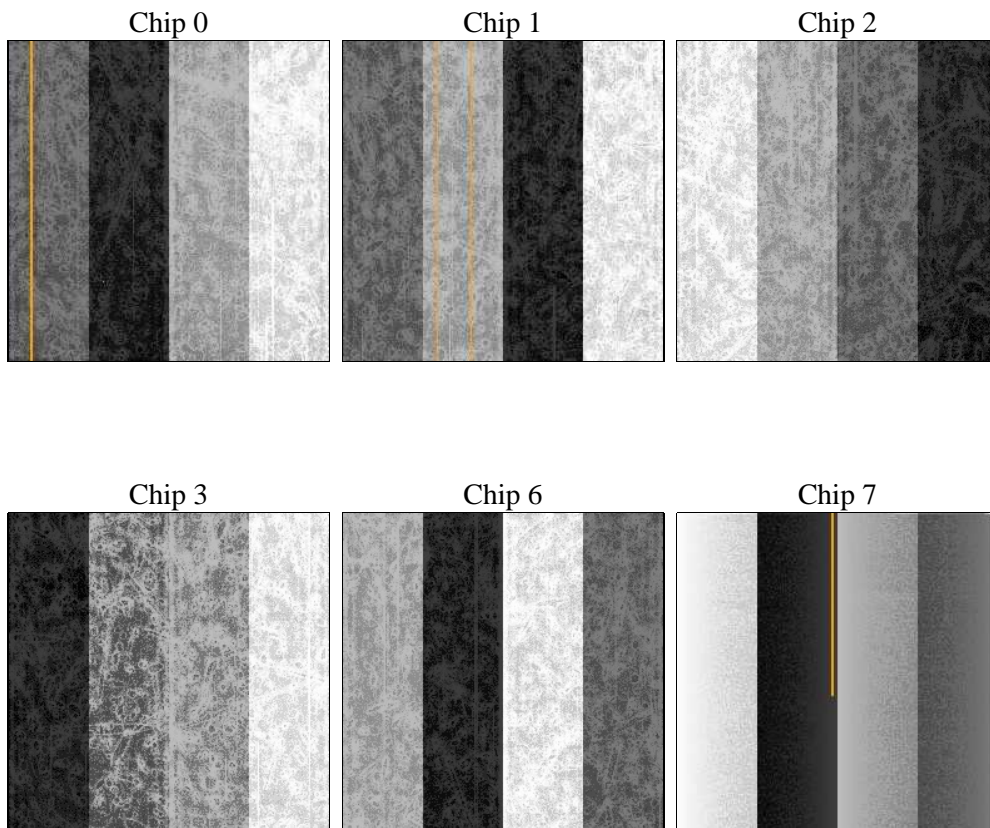
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18252.799932063	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	18252.799932063	Sum of GTIs [s]
date	2012-05-24T03:02:46	Date and time of file creation	ontime1	18252.799932063	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	18252.799932063	Sum of GTIs [s]
			ontime3	18252.799932063	Sum of GTIs [s]
			ontime6	18252.799932063	Sum of GTIs [s]
			ontime7	18252.799932063	Sum of GTIs [s]
			l1events	1136053	Number of level 1 events

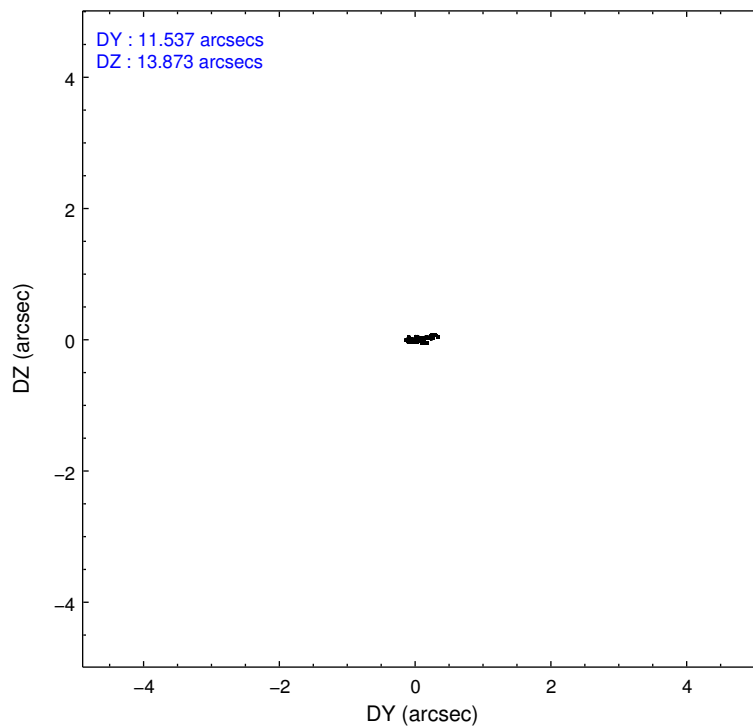
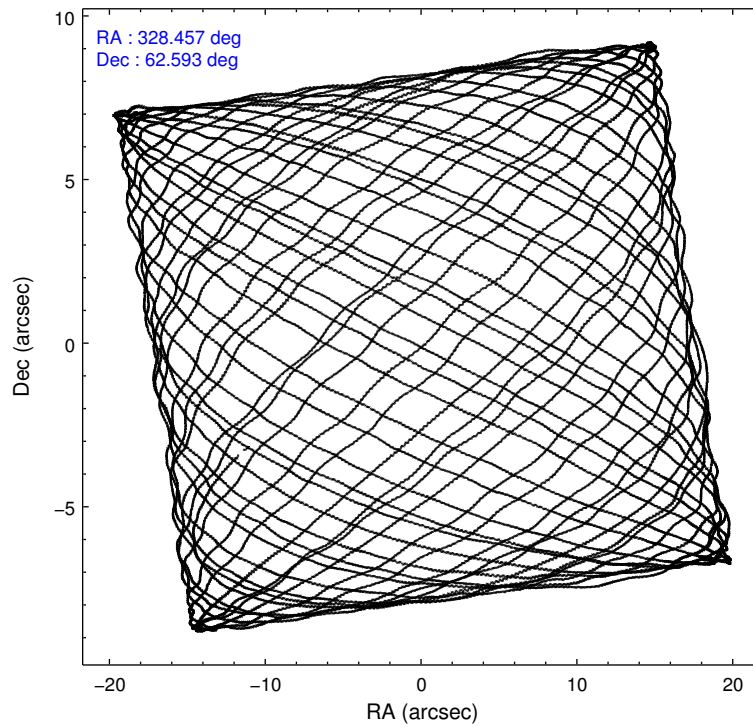
2.1.4 Events

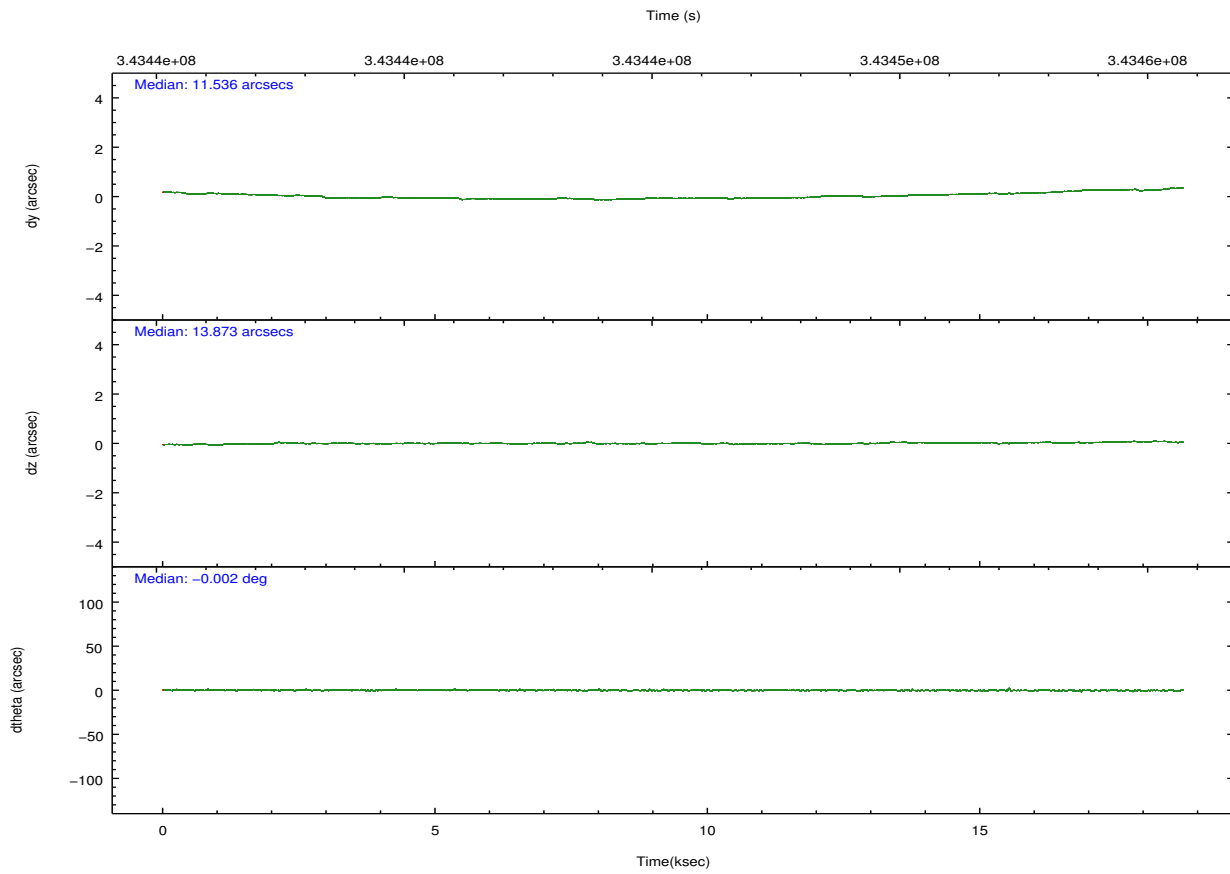
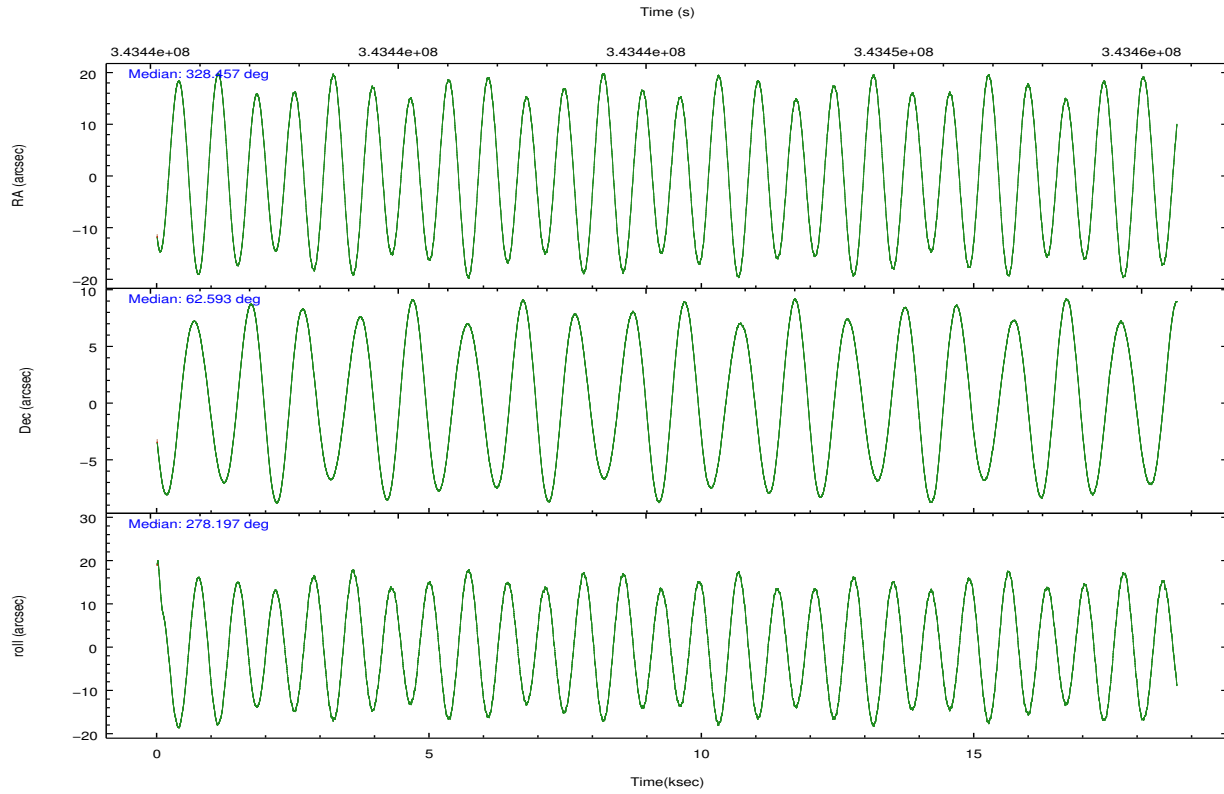
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	162037	169951	179852	178539	190486	255188	grade 0 events	10104	9536	9272	9835	8810	8932
rejected events	138762	145422	158375	156342	167957	149035		6%	5%	5%	5%	4%	3%
rejected %	85%	85%	88%	87%	88%	58%	grade 1 events	109	128	144	122	111	275
								0%	0%	0%	0%	0%	0%
							grade 2 events	5152	5755	4659	4287	4995	22029
								3%	3%	2%	2%	2%	8%
							grade 3 events	2092	2244	1964	2084	2057	8892
								1%	1%	1%	1%	1%	3%
							grade 4 events	1977	2206	2024	2064	2016	8873
								1%	1%	1%	1%	1%	3%
							grade 5 events	7634	8272	7344	8597	8943	24195
								4%	4%	4%	4%	4%	9%
							grade 6 events	3952	4789	3560	3932	4656	57442
								2%	2%	1%	2%	2%	22%
							grade 7 events	131017	137021	150885	147618	158898	124550
								80%	80%	83%	82%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	328.420397	328.4575412364129	Subarray requested	NONE	NONE
[deg] Pointing Dec	62.614238	62.59268715105355	Alternating exposures requested	N	N
[deg] Pointing Roll	278.026288	278.2020018798182	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	343436494.184000	343435361.50136			
Observation start date	2008-11-18T23:00:29	2008-11-18T22:42:41			
[s] Observation end time (MET)	343454794.184000	343455443.30235			
Observation end date	2008-11-19T04:05:29	2008-11-19T04:17:23			
Read mode	TIMED	TIMED			

2.3 Aspect



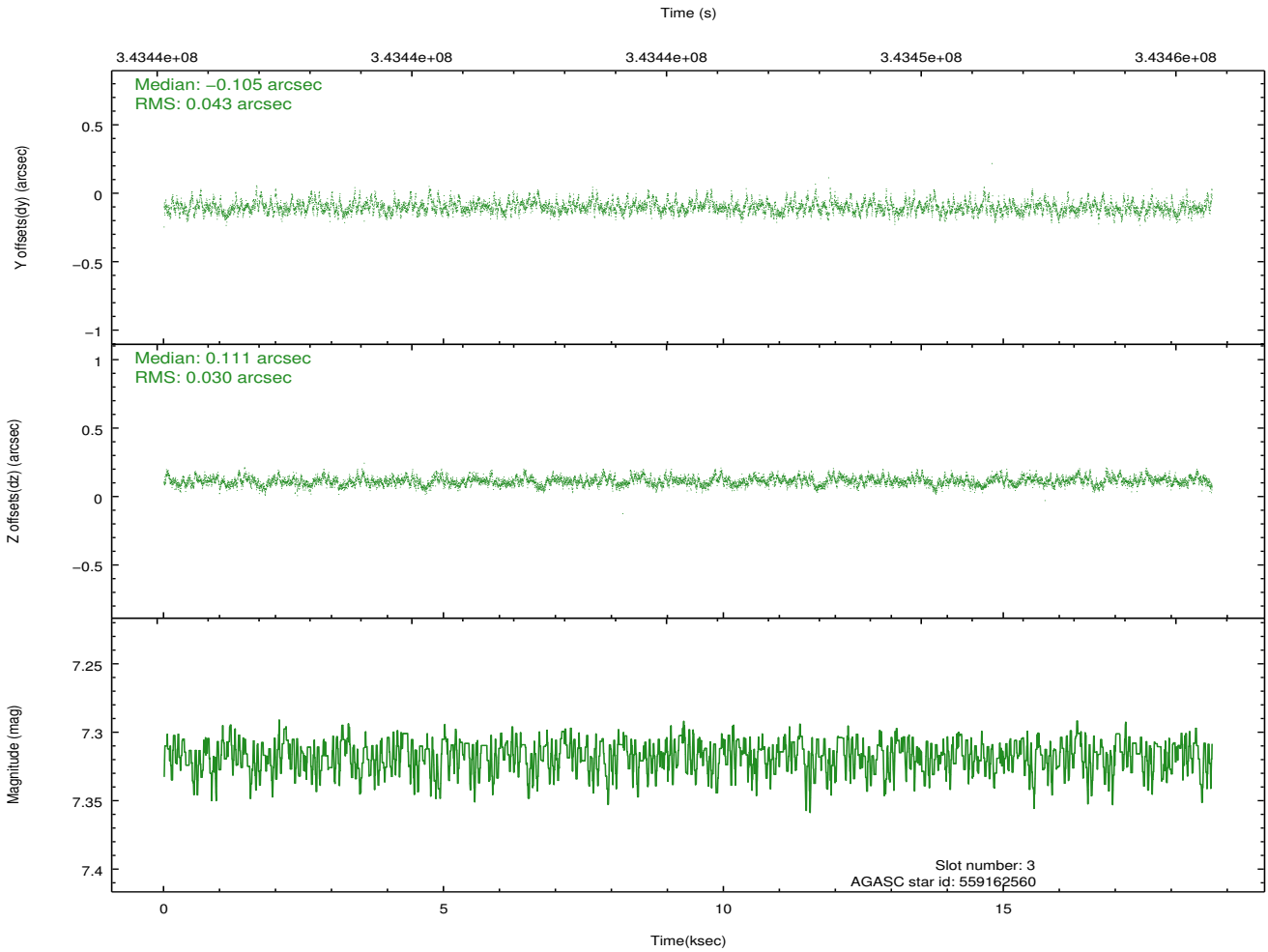
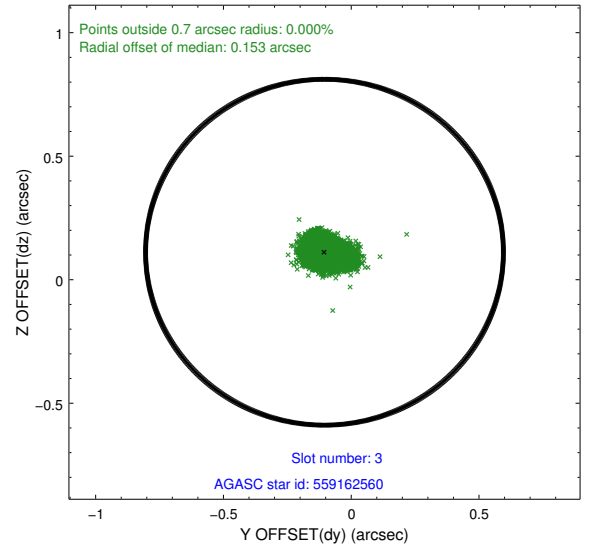
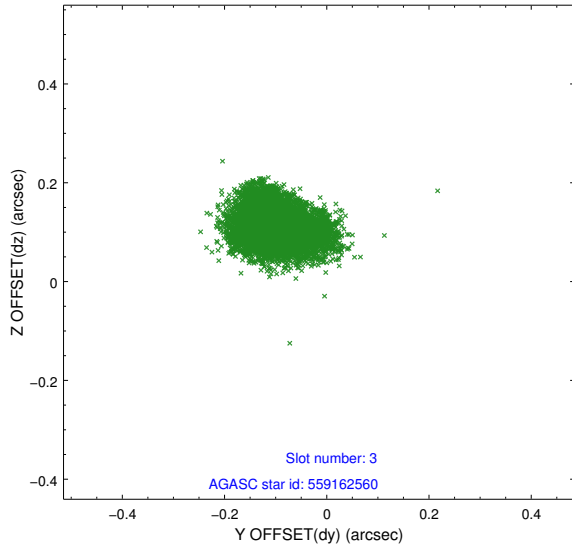


Slot Statistics

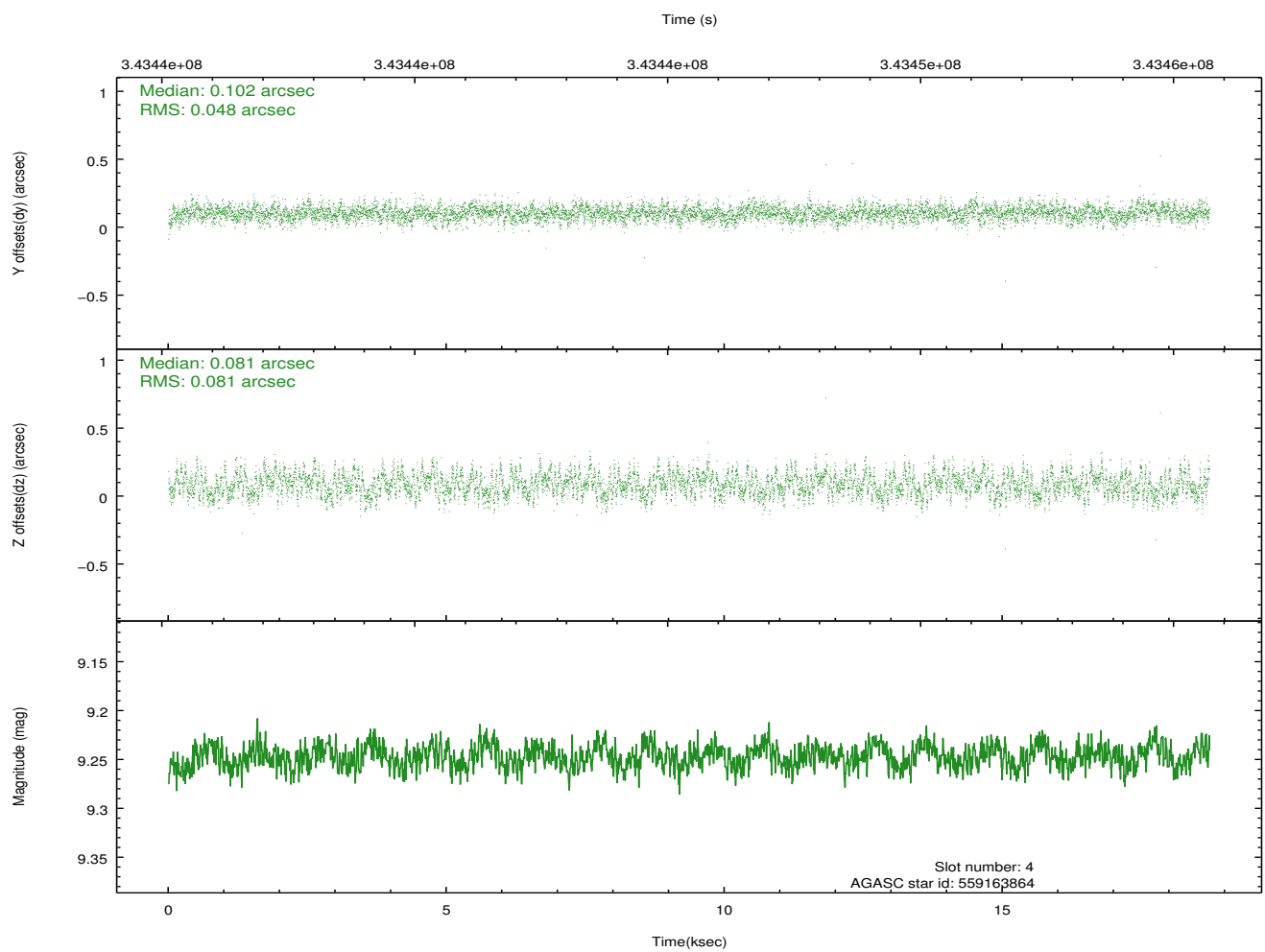
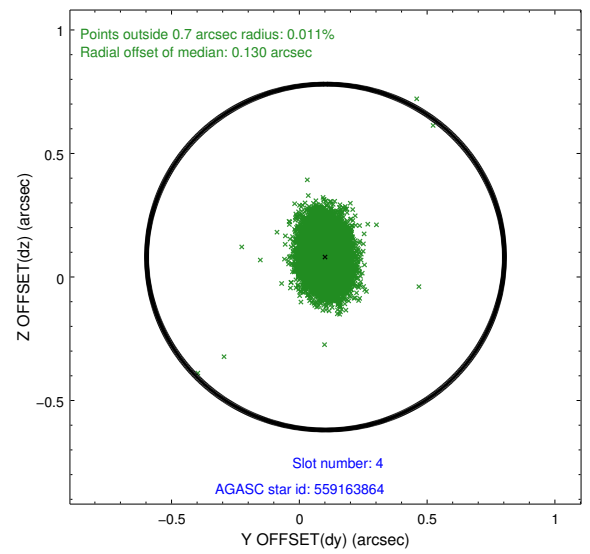
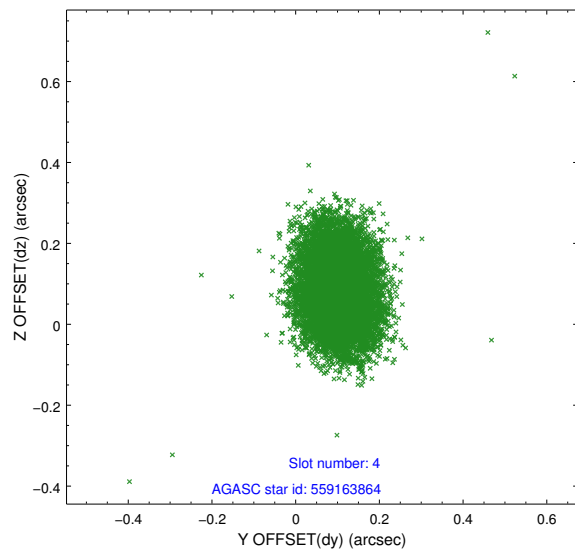
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	4567	0.026	0.020	0.006	0.011	0.000000	0.000000	928.02	-837.42
1	FID	ACIS-I-5	7.01	4567	-0.178	0.046	0.007	0.012	0.000000	0.000000	-1820.19	1059.97
2	FID	ACIS-I-6	7.02	4567	0.061	0.005	0.007	0.011	0.000000	0.000000	393.35	1704.68
3	GUIDE	559162560	7.32	9131	-0.105	0.111	0.055	0.094	328.973659	63.261063	-2184.36	1212.92
4	GUIDE	559163864	9.25	9126	0.102	0.081	0.099	0.162	327.323031	62.690574	-540.42	-1753.45
5	GUIDE	559167352	7.19	9130	-0.068	0.050	0.065	0.106	328.757272	62.009100	2235.14	259.93
6	GUIDE	559171856	8.05	9131	0.042	0.146	0.067	0.106	329.066735	62.894631	-856.47	1191.76
7	GUIDE	559165880	8.06	9131	0.020	-0.391	0.061	0.097	329.840271	62.759696	-217.54	2393.22

2.4 Star Slots

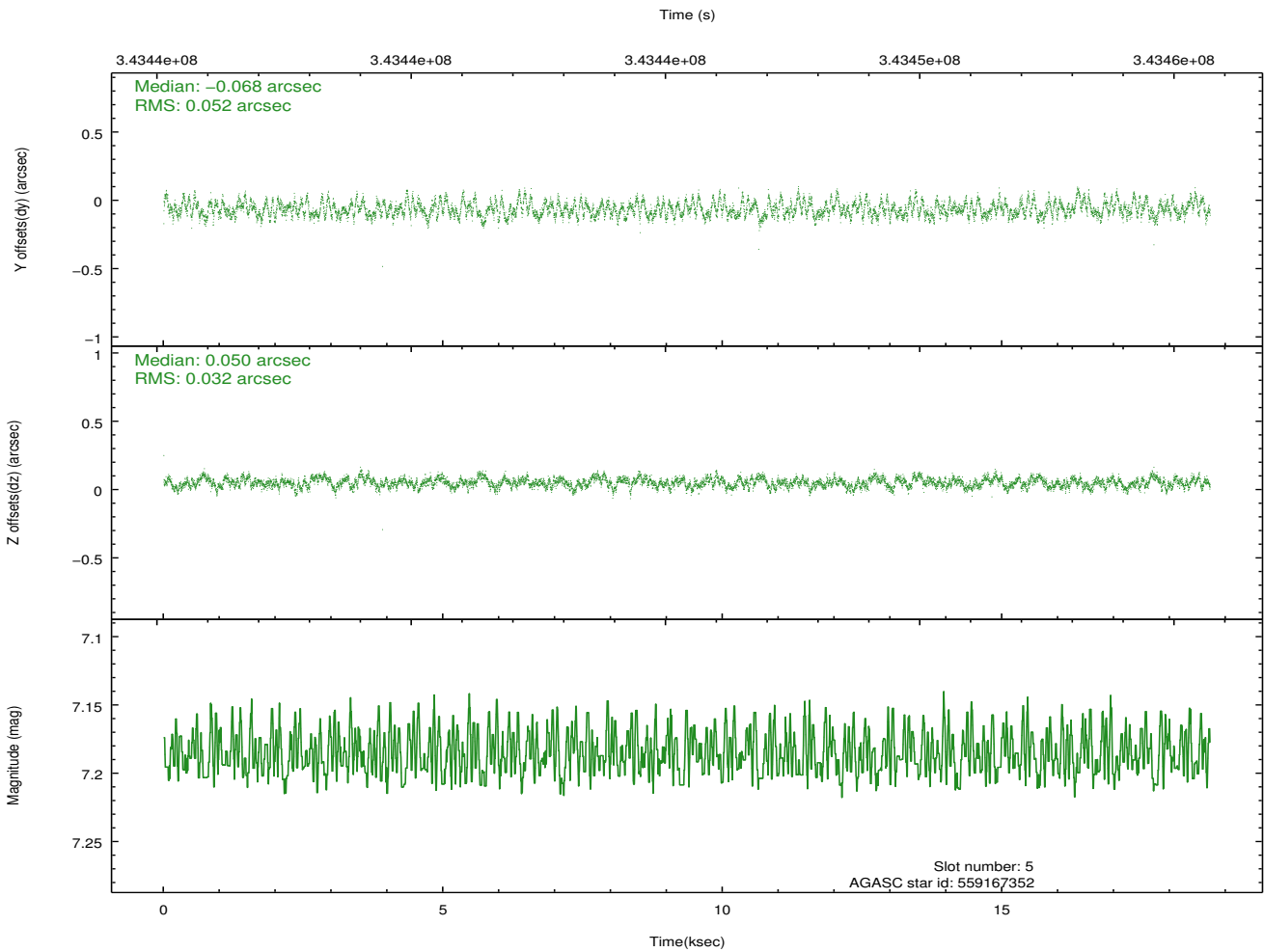
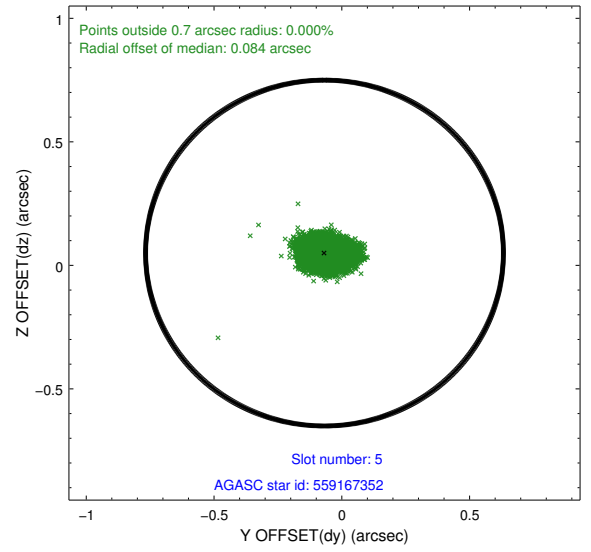
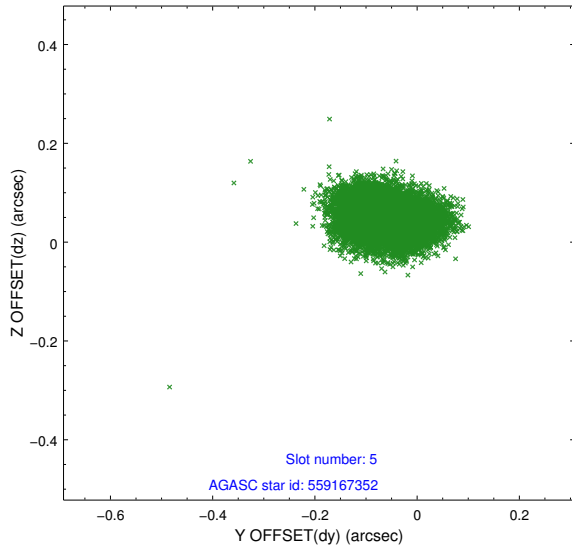
2.4.1 Slot 3



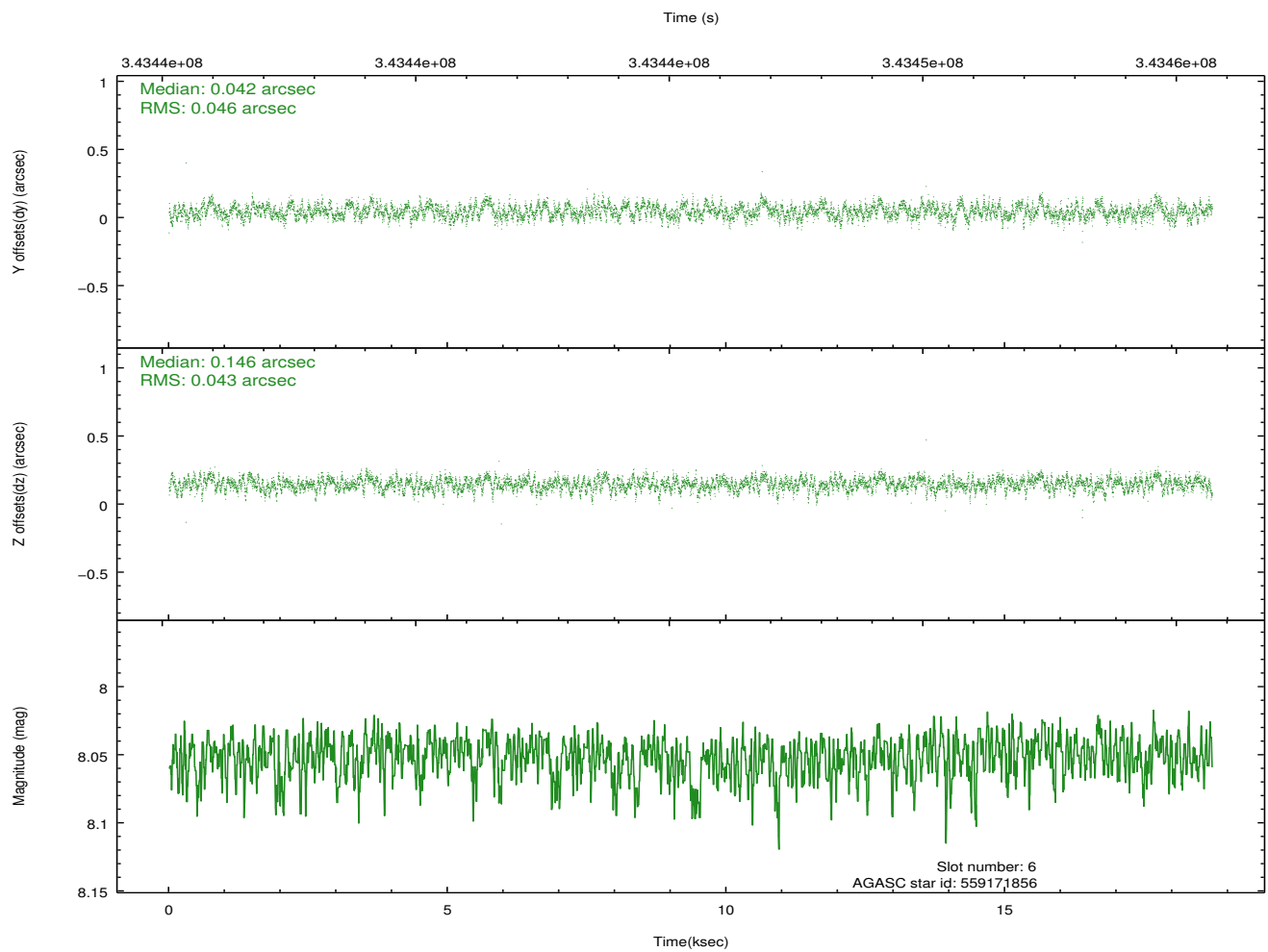
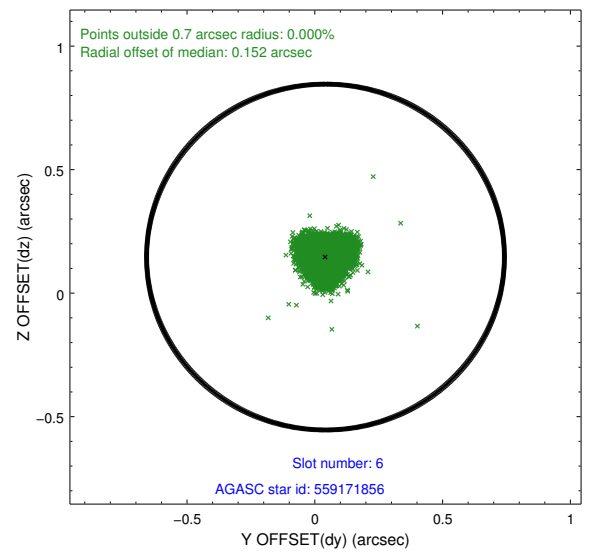
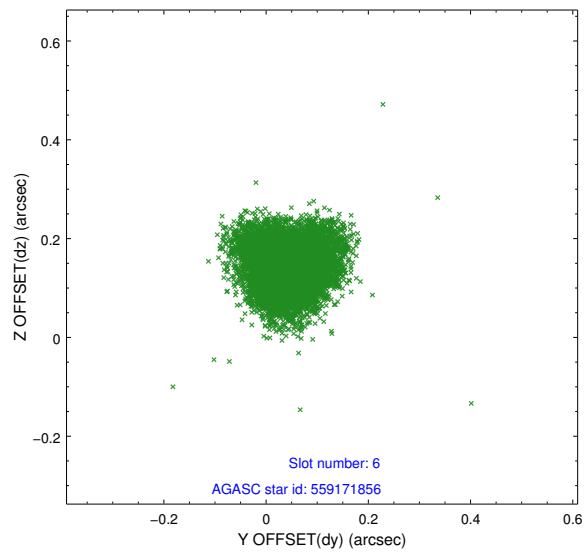
2.4.2 Slot 4



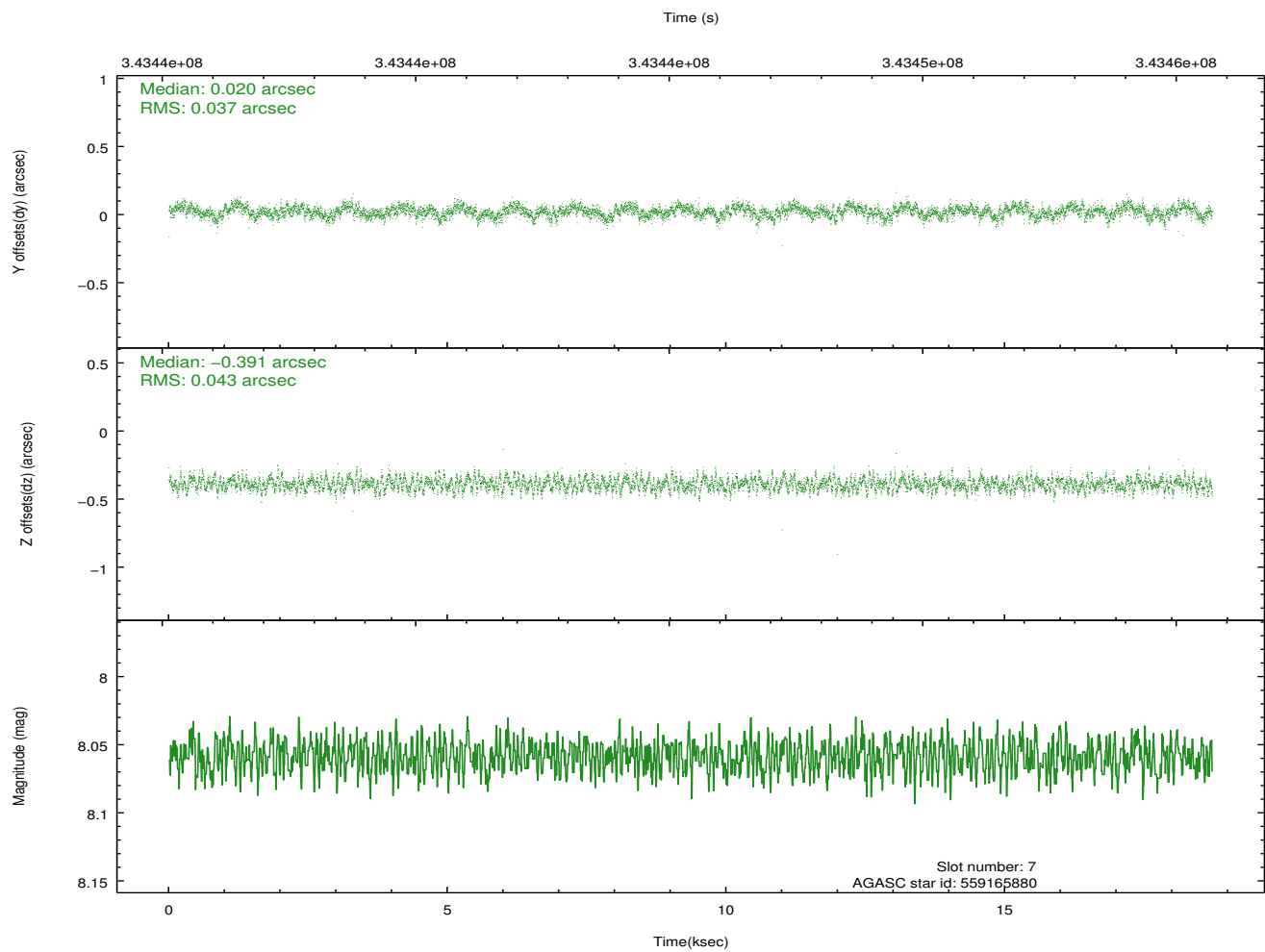
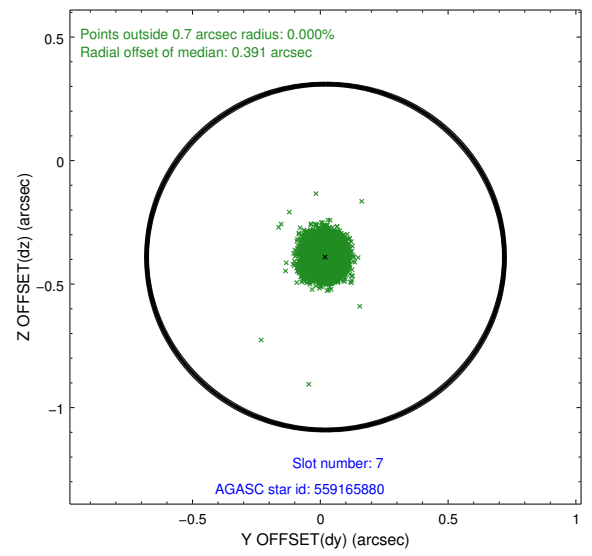
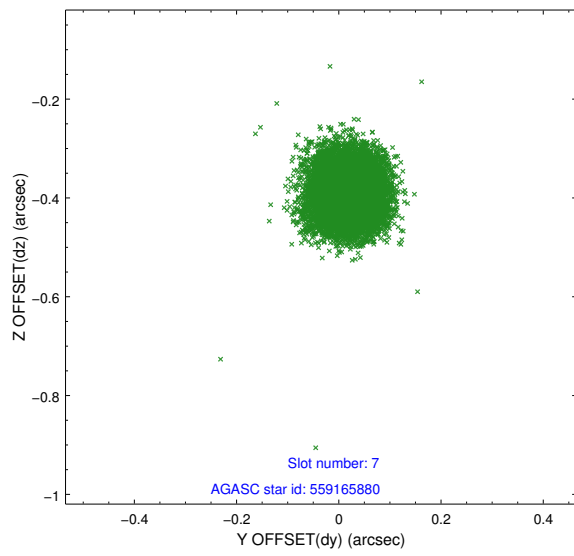
2.4.3 Slot 5



2.4.4 Slot 6

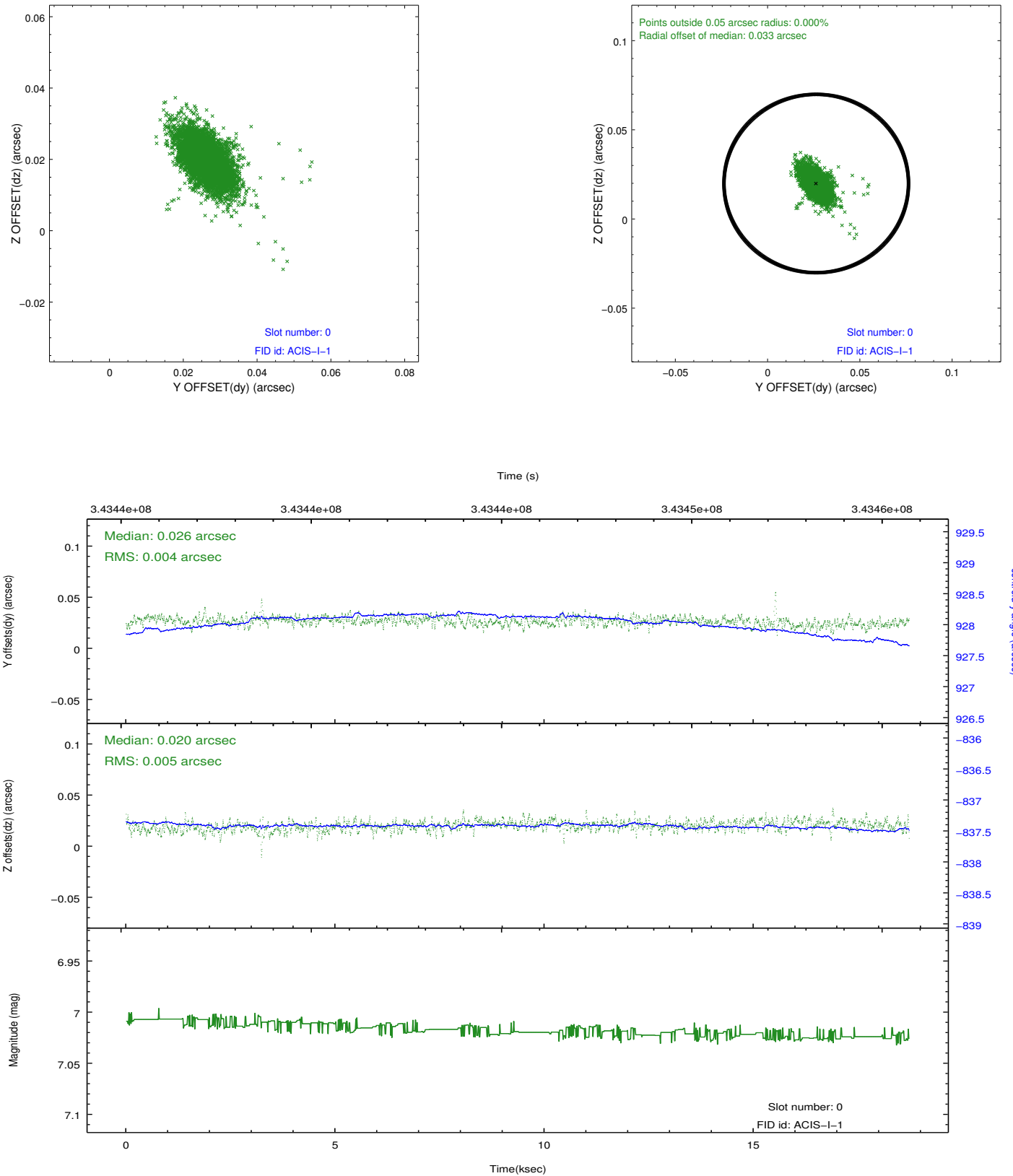


2.4.5 Slot 7

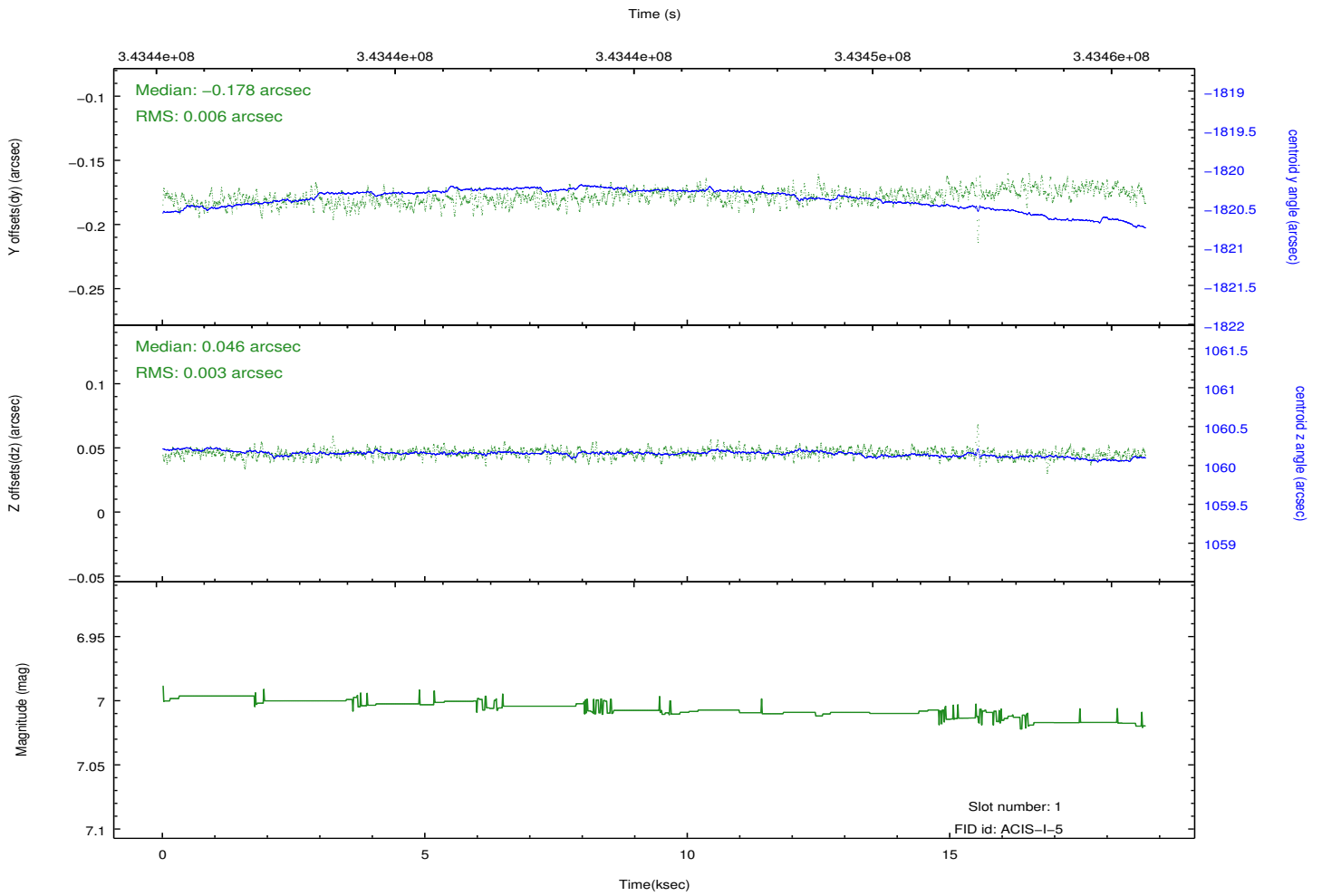
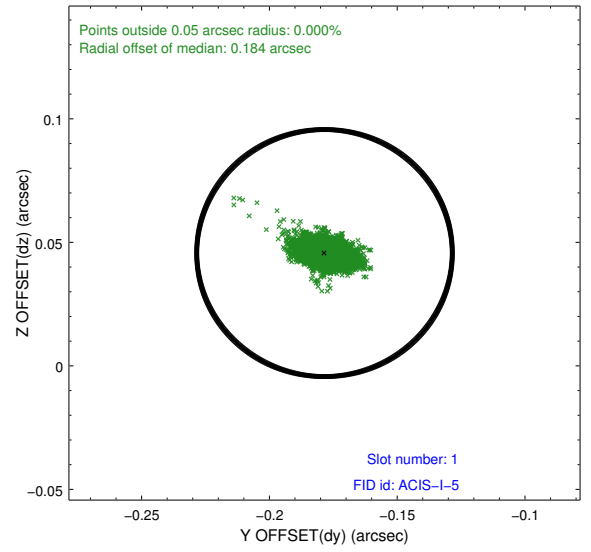
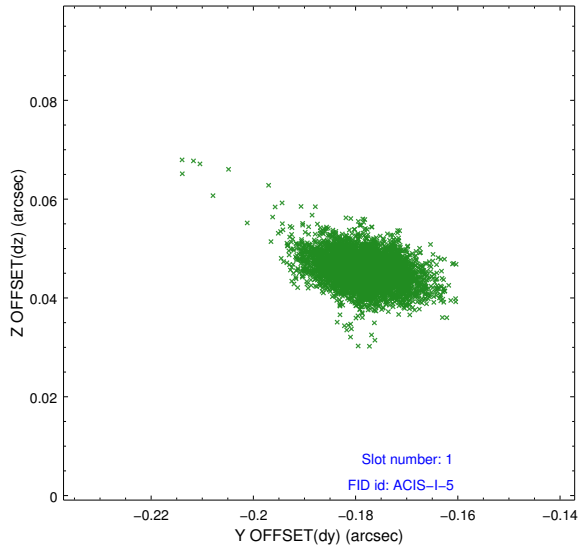


2.5 FID Slots

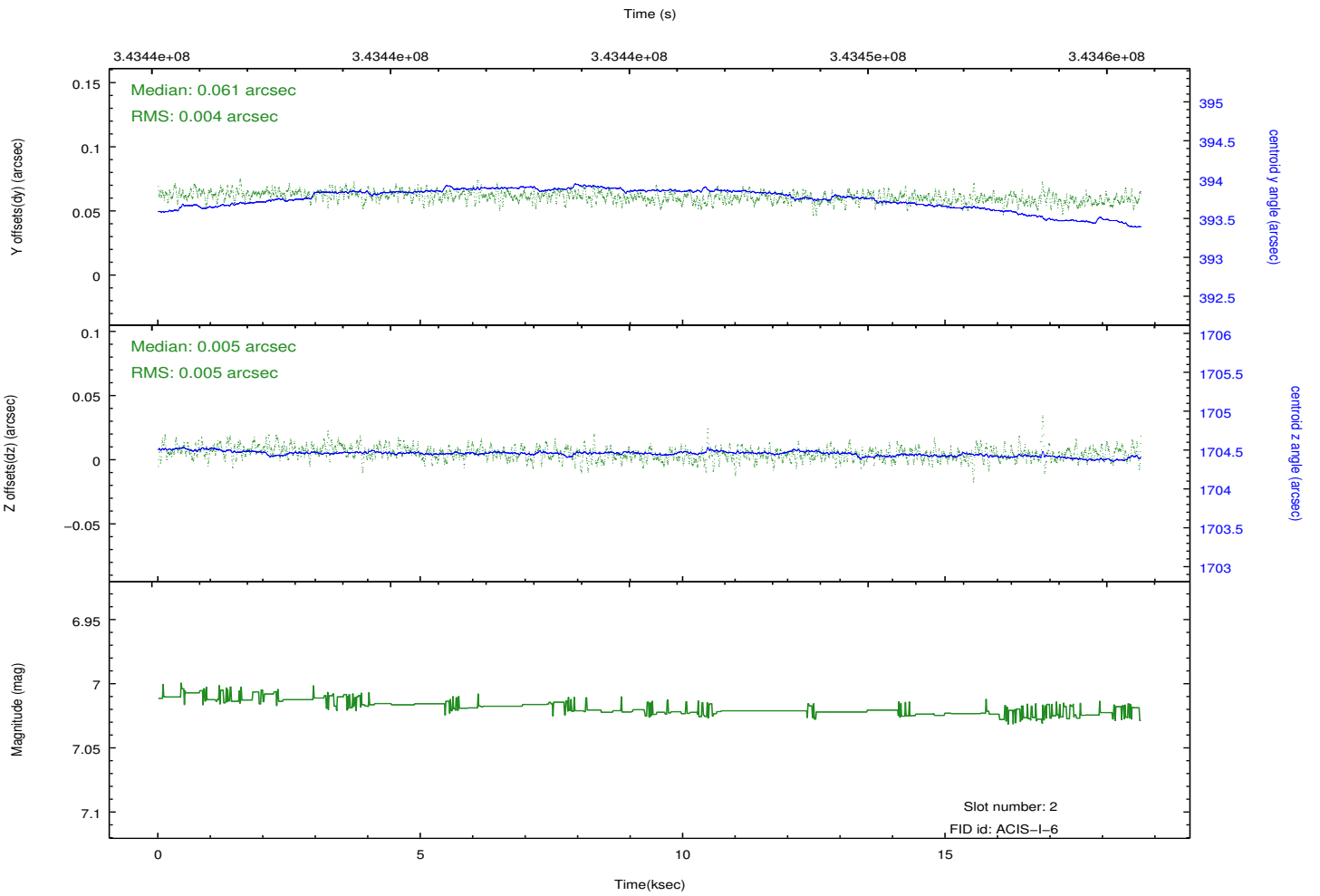
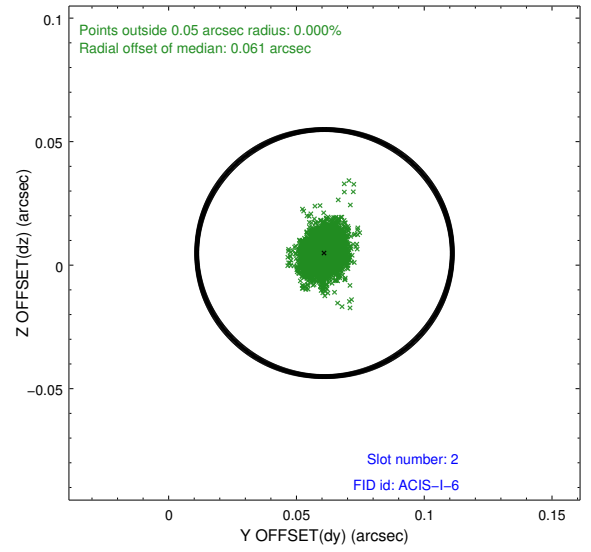
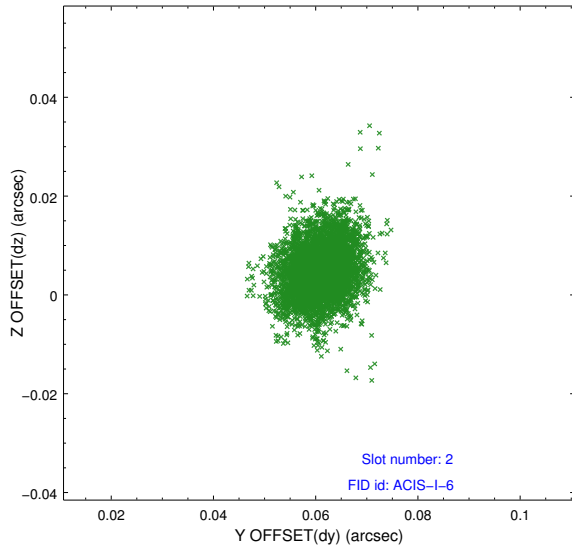
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.2527999

A.2 Comments