

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10809 - L2 Version 2
Chandra X-Ray Center

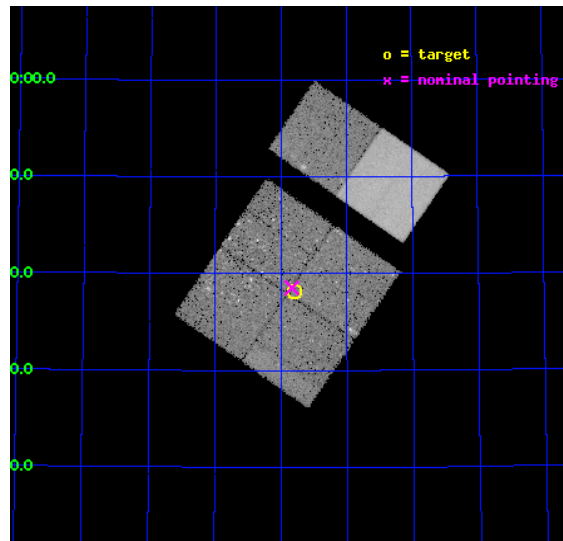
L2 Processing Date : Jun 3 2012

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1 Front

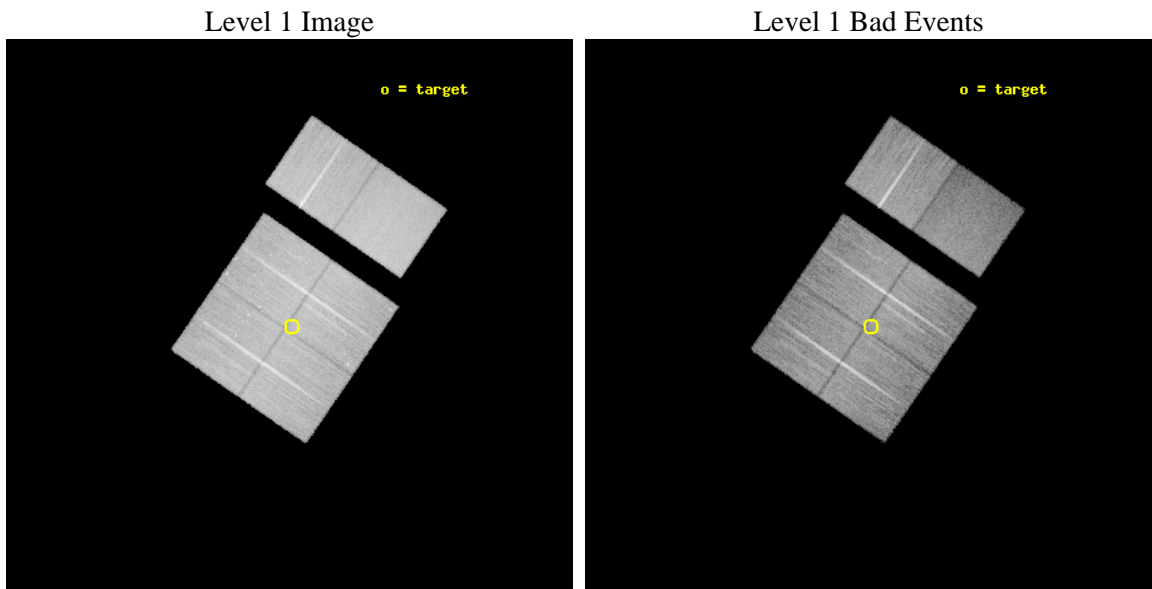
seq_num	200536	Sequence number
obs_id	10809	Observation id
title	Evolution of Young Stars in the Large Massive Cluster Cep OB3b	Pro
observer	Mr. Thomas Allen	Principal investigator
object	Cep B sub-cluster	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.947917	Observer's specified target RA [deg]
dec_targ	62.636194	Observer's specified target Dec [deg]
ra_nom	343.95884464873	Nominal RA [deg]
dec_nom	62.642534498081	Nominal Dec [deg]
roll_nom	34.494407398221	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21593.558998883	Sum of GTIs [s]
livetime	21320.128352759	Livetime [s]
ontime0	21593.558929324	Sum of GTIs [s]
ontime1	21596.799919605	Sum of GTIs [s]
ontime2	21596.799919605	Sum of GTIs [s]
ontime3	21593.558998883	Sum of GTIs [s]
ontime6	21596.799919605	Sum of GTIs [s]
ontime7	21596.799919605	Sum of GTIs [s]
l2events	186719	Number of level 2 events



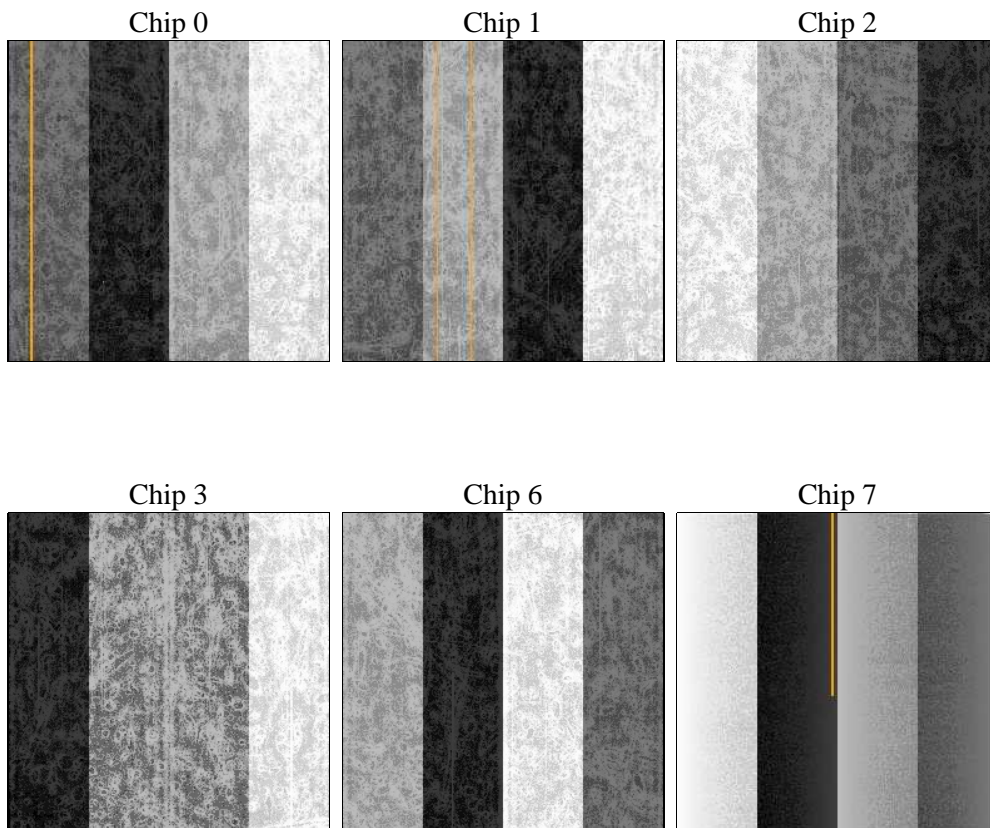
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21452.086000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	21593.558998883	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	21593.558929324	Sum of GTIs [s]
date	2012-06-03T22:27:42	Date and time of file creation	ontime1	21596.799919605	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	21596.799919605	Sum of GTIs [s]
			ontime3	21593.558998883	Sum of GTIs [s]
			ontime6	21596.799919605	Sum of GTIs [s]
			ontime7	21596.799919605	Sum of GTIs [s]
			l1events	1167955	Number of level 1 events

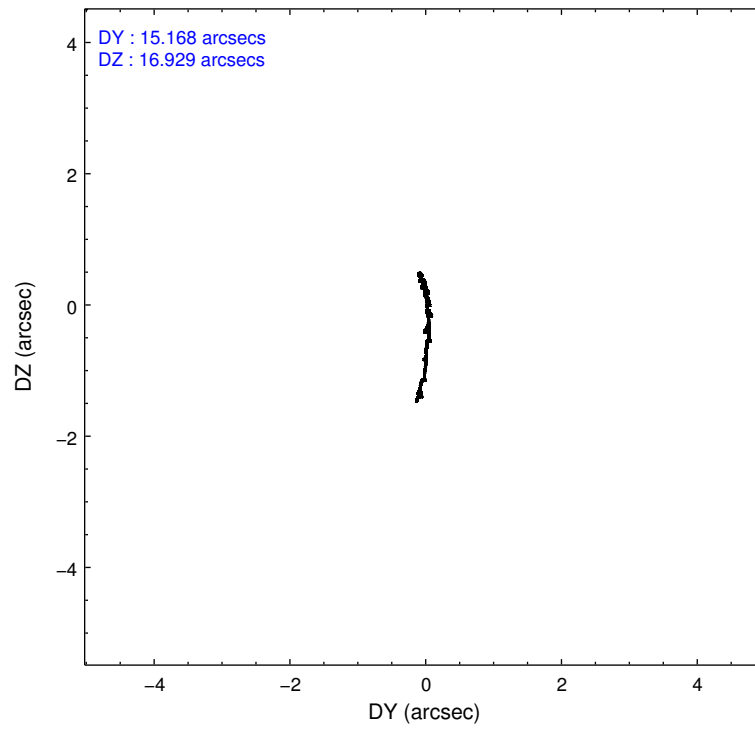
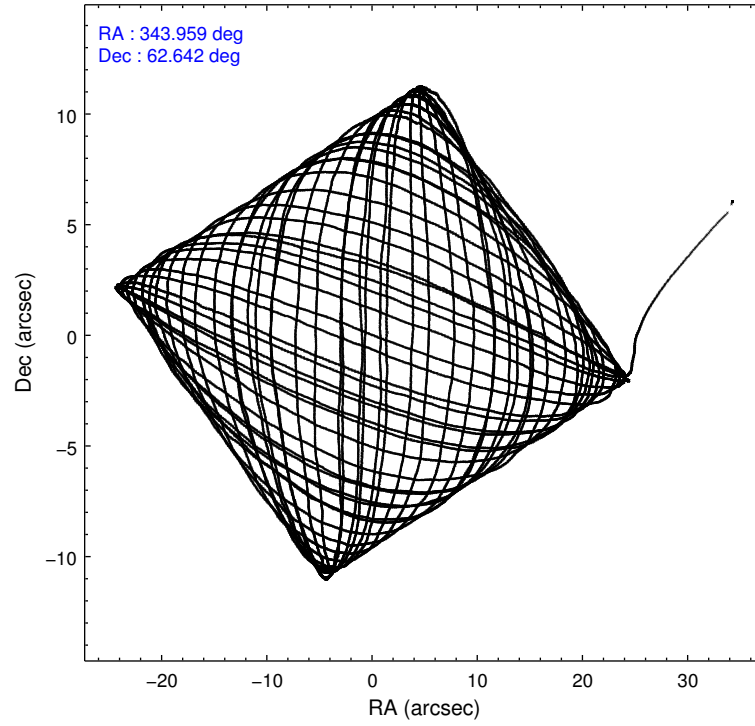
2.1.4 Events

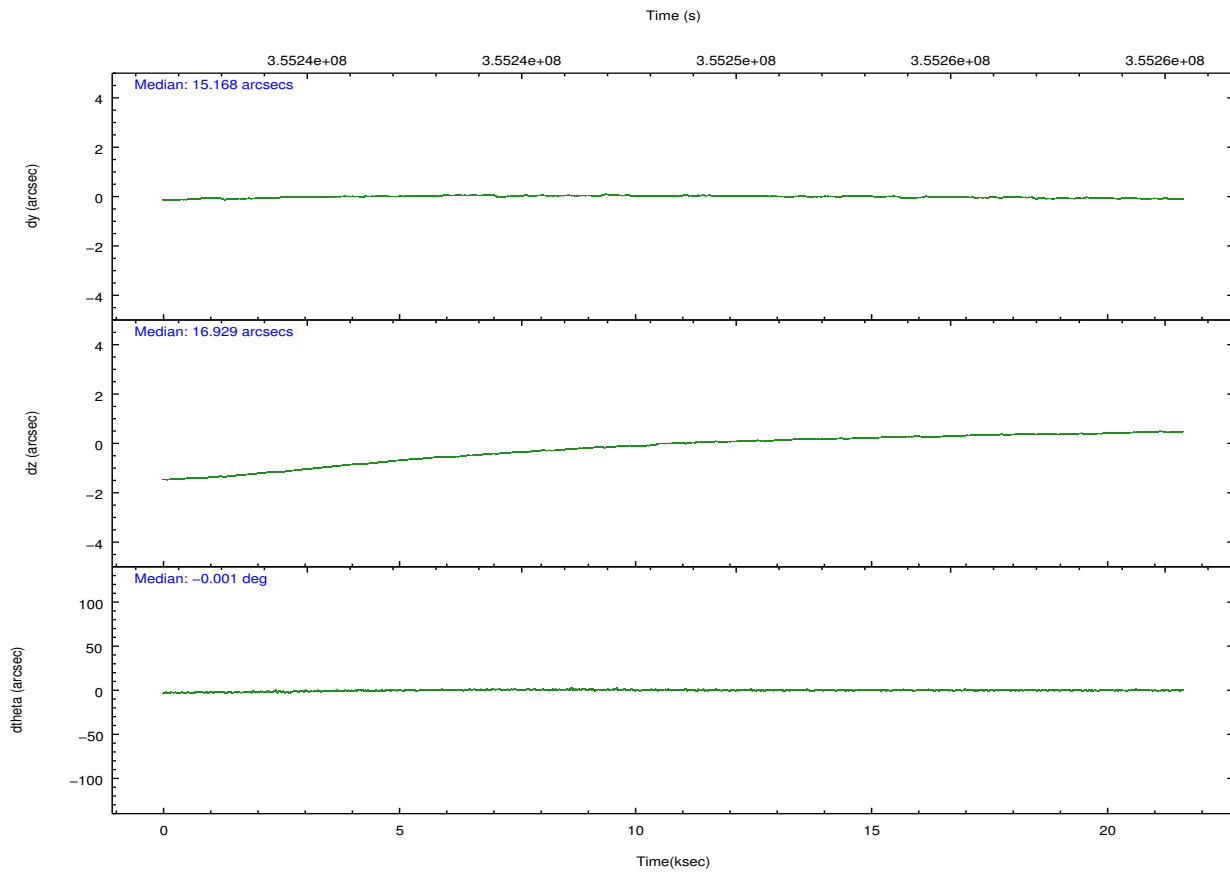
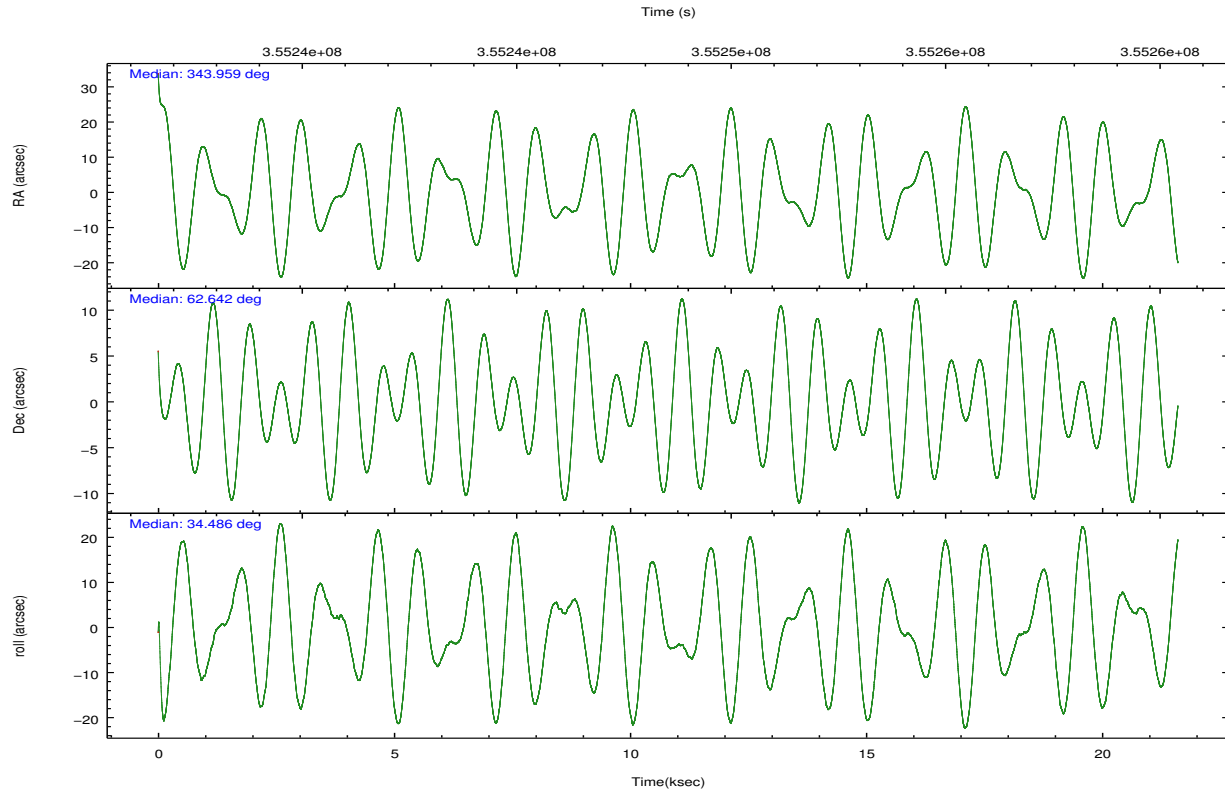
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	181852	180329	198780	191003	199432	216559	grade 0 events	10140	8433	10885	8868	7655	9117
rejected events	158711	158059	175409	170082	178829	119953		5%	4%	5%	4%	3%	4%
rejected %	87%	87%	88%	89%	89%	55%	grade 1 events	118	103	152	133	98	299
								0%	0%	0%	0%	0%	0%
							grade 2 events	5158	5416	5047	4473	4649	20215
								2%	3%	2%	2%	2%	9%
							grade 3 events	2347	2318	2117	2186	2150	8719
								1%	1%	1%	1%	1%	4%
							grade 4 events	2102	2204	2154	2150	2100	8637
								1%	1%	1%	1%	1%	3%
							grade 5 events	6975	7501	6497	7808	8085	22591
								3%	4%	3%	4%	4%	10%
							grade 6 events	3844	4354	3577	3668	4486	51959
								2%	2%	1%	1%	2%	23%
							grade 7 events	151168	150000	168351	161717	170209	95022
								83%	83%	84%	84%	85%	43%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	343.933265	343.9588446487304	CCD I2 on	Y	Y
[deg] Pointing Dec	62.617672	62.64253449808065	CCD I3 on	Y	Y
[deg] Pointing Roll	34.308430	34.49440739822143	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	355237871.184000	355236591.96099	CCD S5 on	N	N
Observation start date	2009-04-04T13:10:05	2009-04-04T12:49:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	355259323.184000	355259562.21213	On-chip summing requested	N	N
Observation end date	2009-04-04T19:07:37	2009-04-04T19:12:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



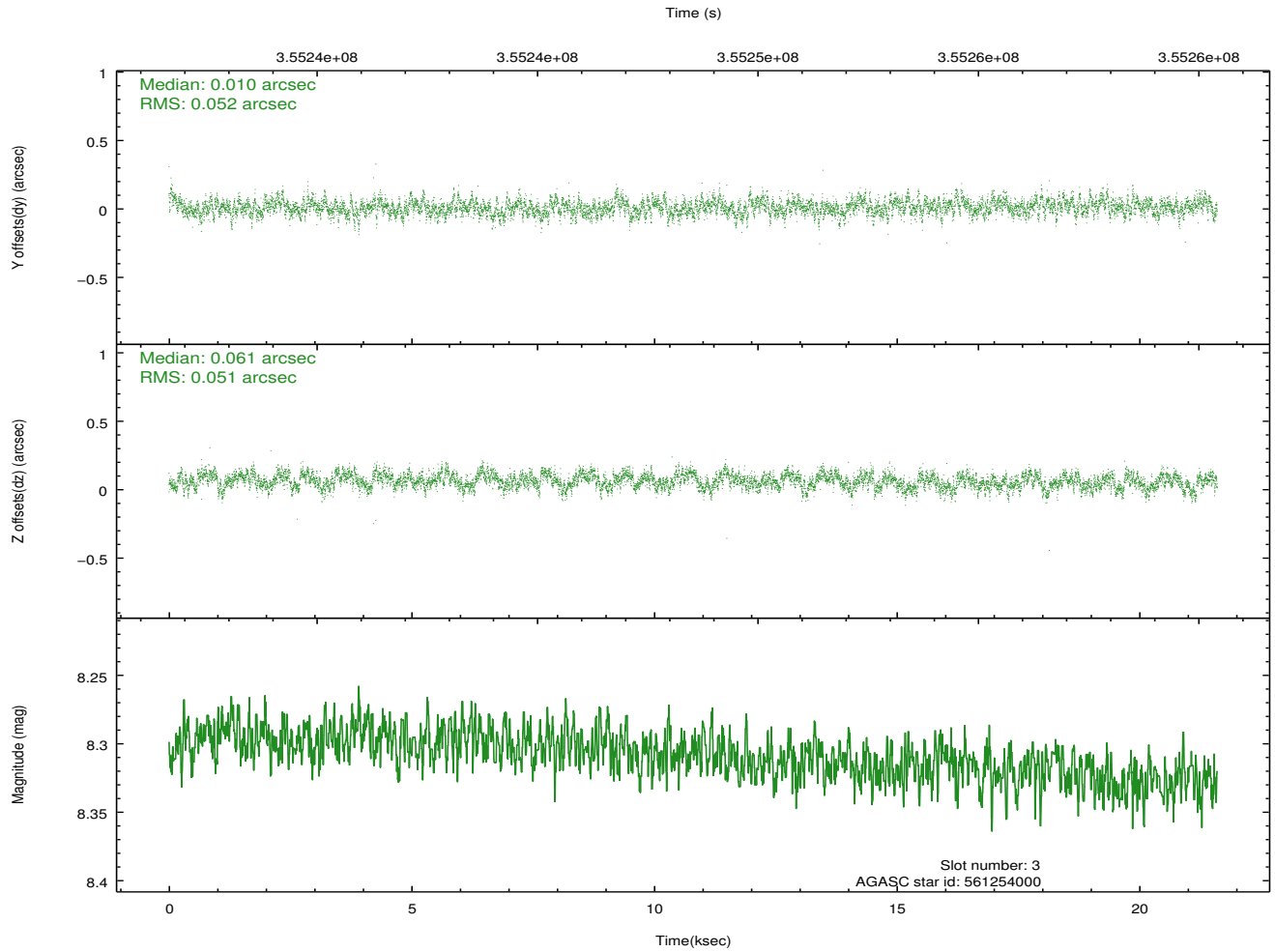
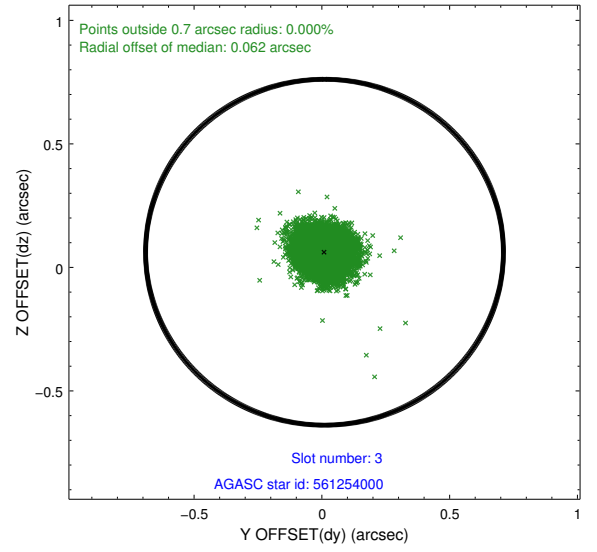
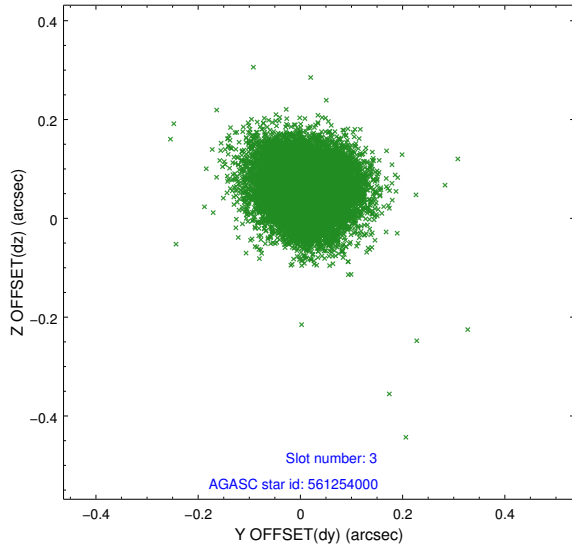


Slot Statistics

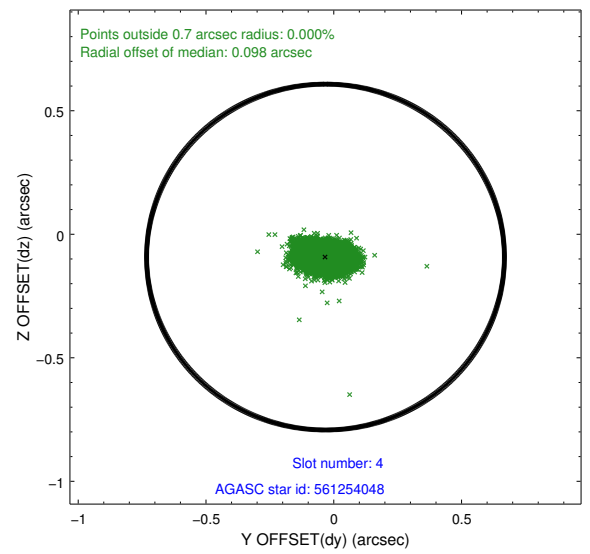
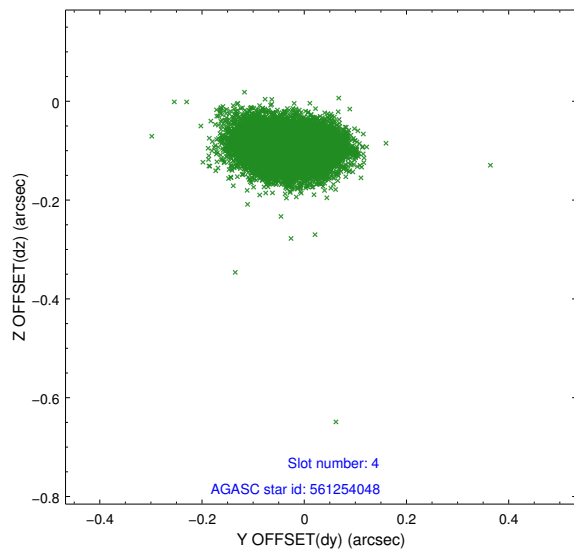
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	5270	0.051	-0.007	0.013	0.025	0.000000	0.000000	924.34	-840.38
1	FID	ACIS-I-5	7.05	5269	-0.202	0.061	0.016	0.026	0.000000	0.000000	-1823.91	1057.12
2	FID	ACIS-I-6	7.06	5270	0.062	0.016	0.014	0.024	0.000000	0.000000	389.74	1701.75
3	GUIDE	561254000	8.31	10533	0.010	0.061	0.077	0.122	345.523435	62.512083	1986.89	-1775.81
4	GUIDE	561254048	7.62	10539	-0.032	-0.092	0.063	0.104	344.665806	63.077158	1922.71	699.12
5	GUIDE	561255672	6.70	10539	-0.089	-0.077	0.065	0.106	342.872792	62.972182	-705.81	2043.39
6	GUIDE	561256368	8.10	10535	0.040	0.076	0.077	0.118	343.926918	62.306341	-640.25	-919.48
7	GUIDE	559551048	8.89	10529	0.070	0.028	0.083	0.140	342.420496	62.914828	-1428.91	2305.10

2.4 Star Slots

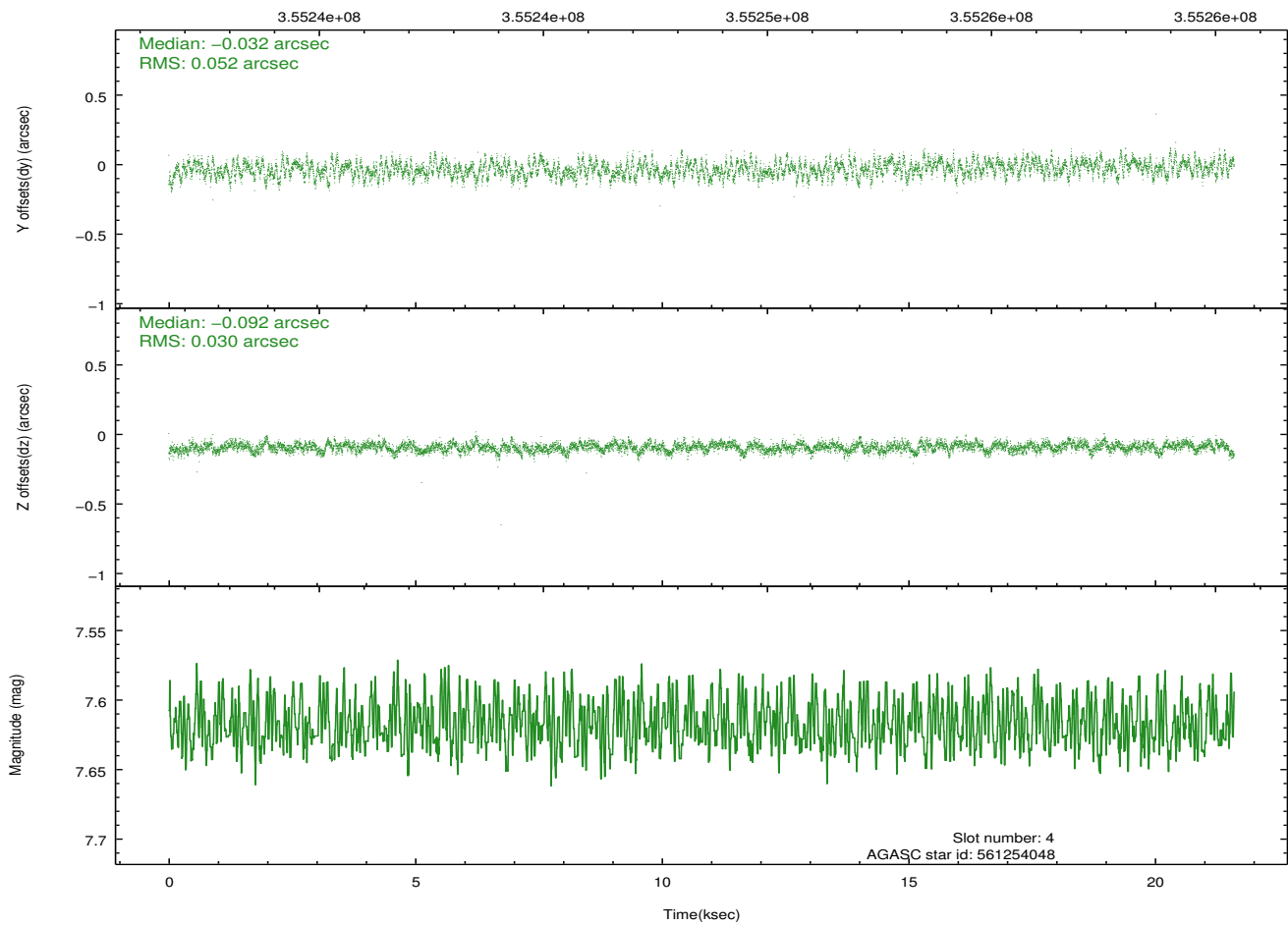
2.4.1 Slot 3



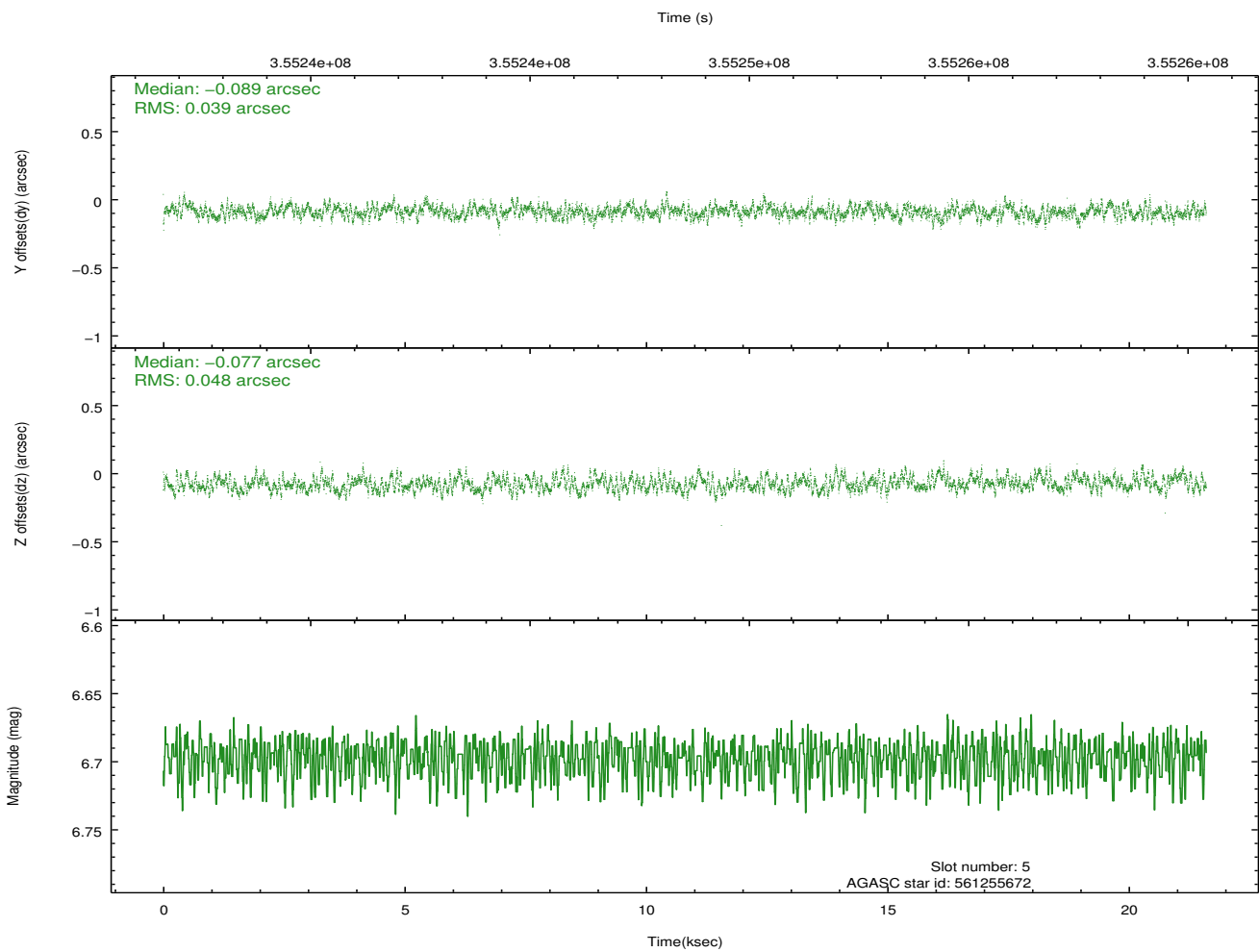
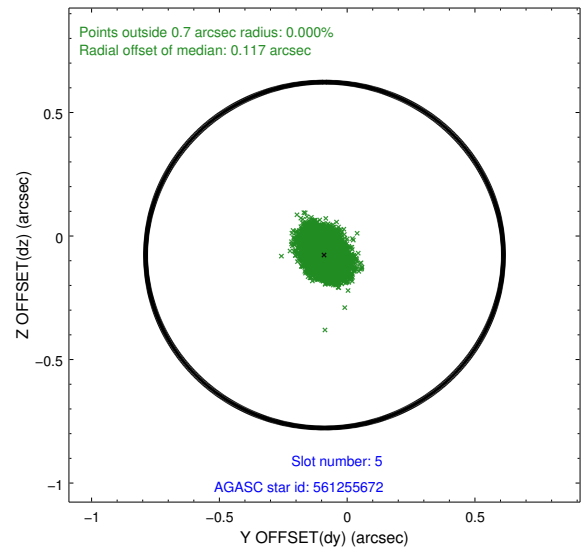
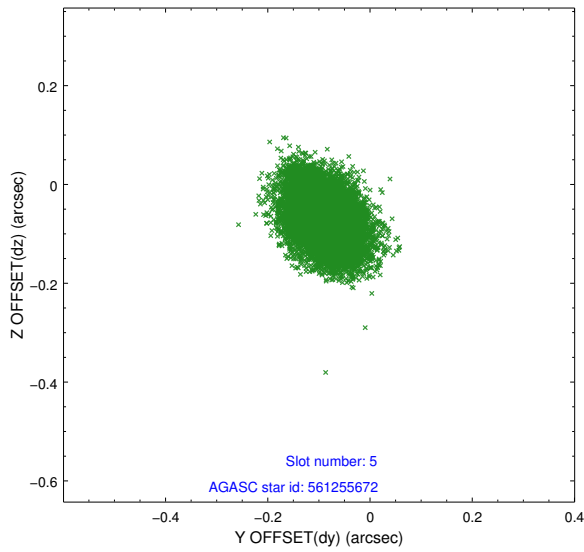
2.4.2 Slot 4



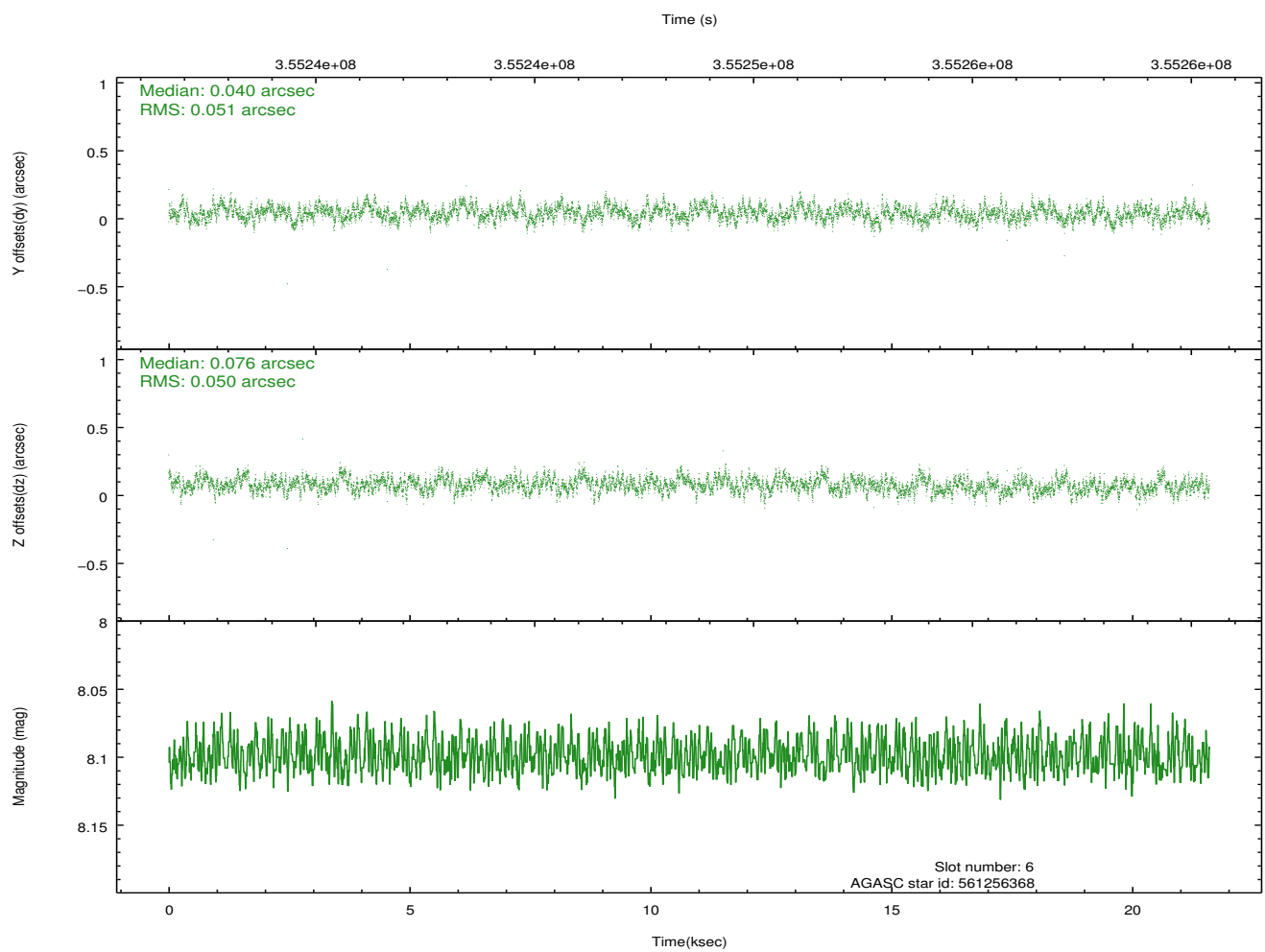
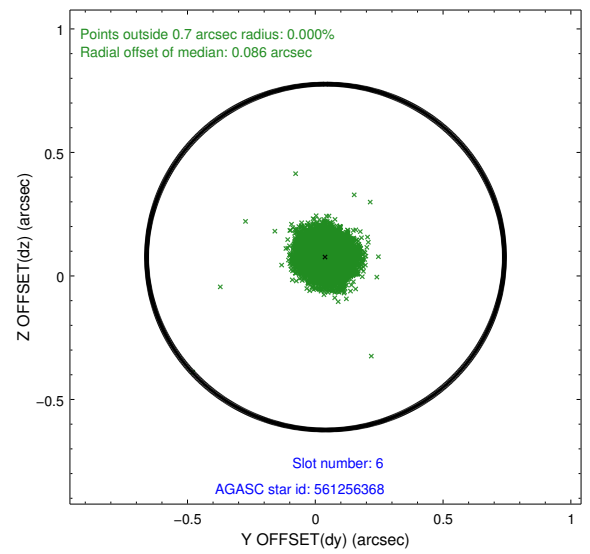
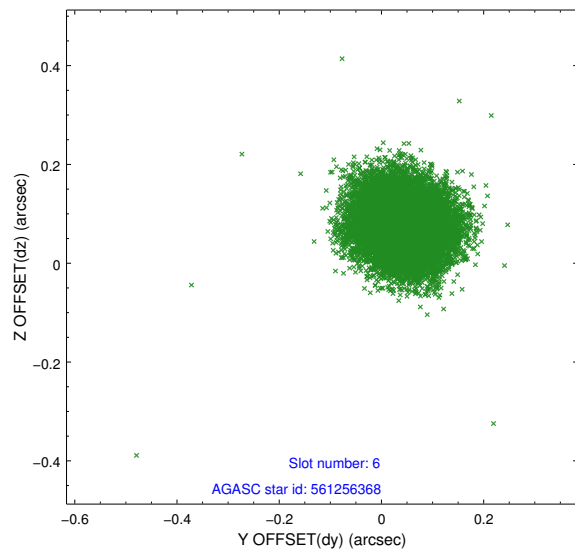
Time (s)



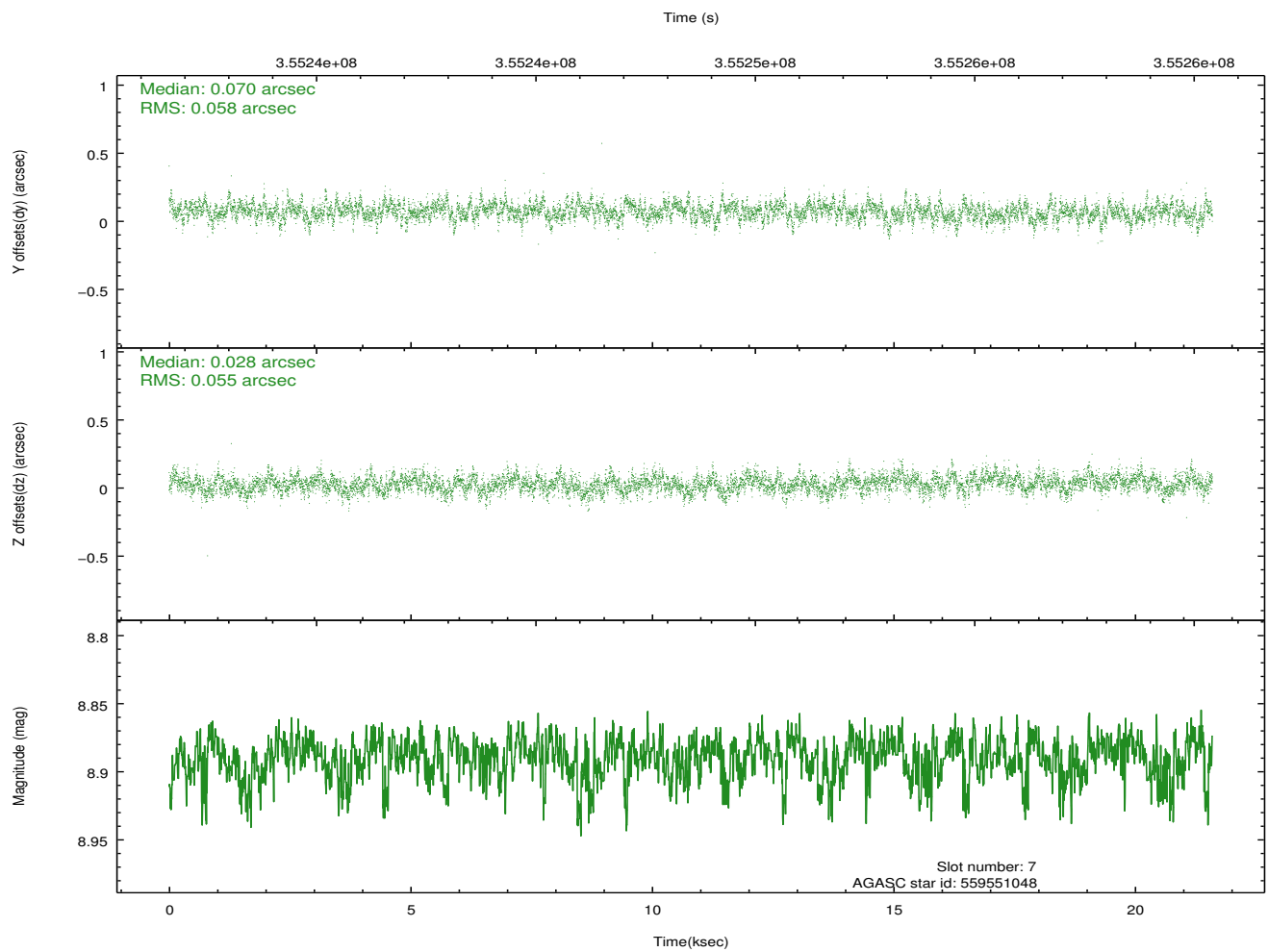
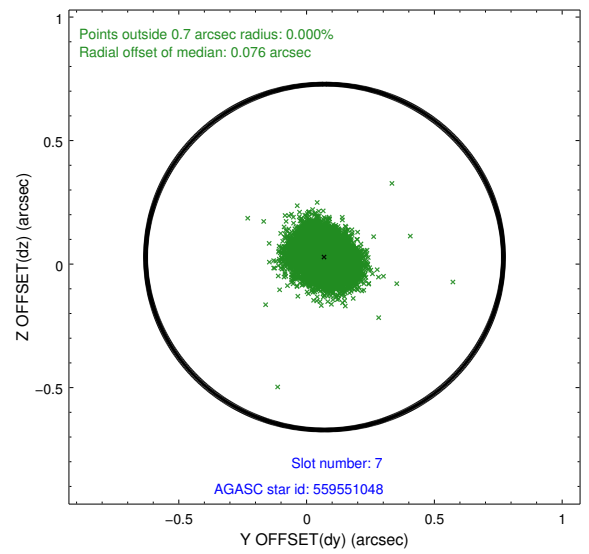
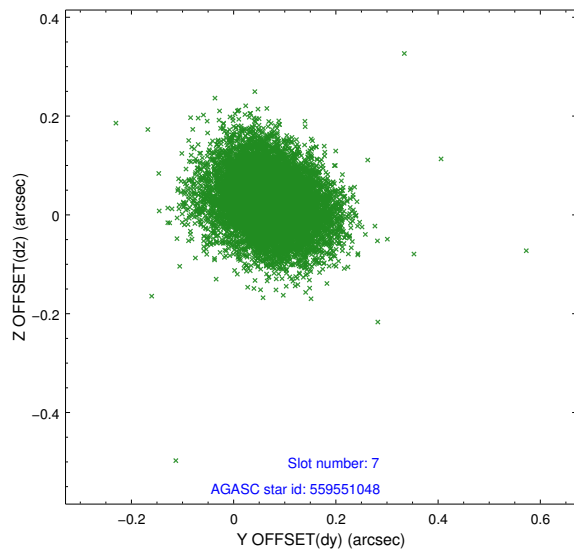
2.4.3 Slot 5



2.4.4 Slot 6

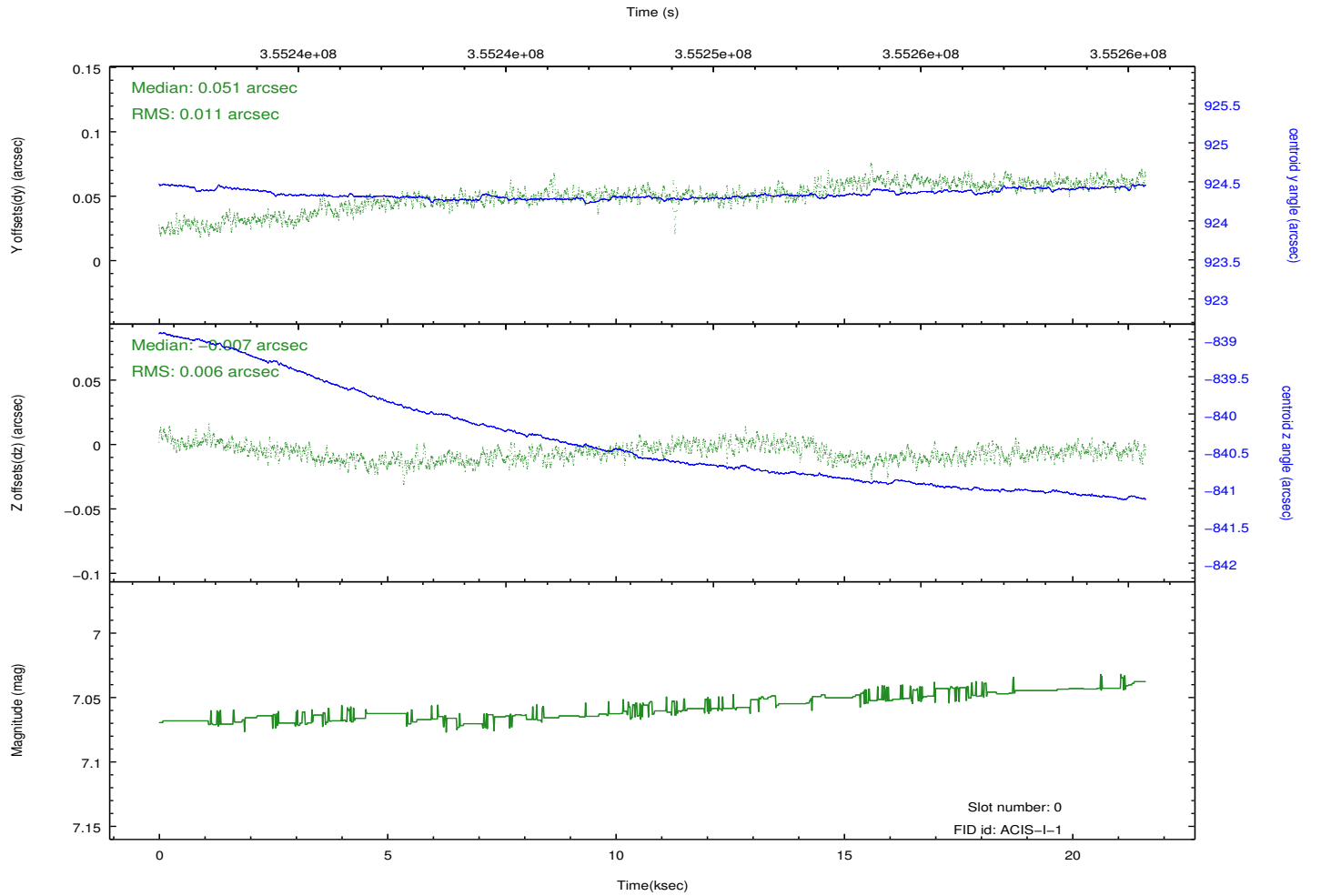
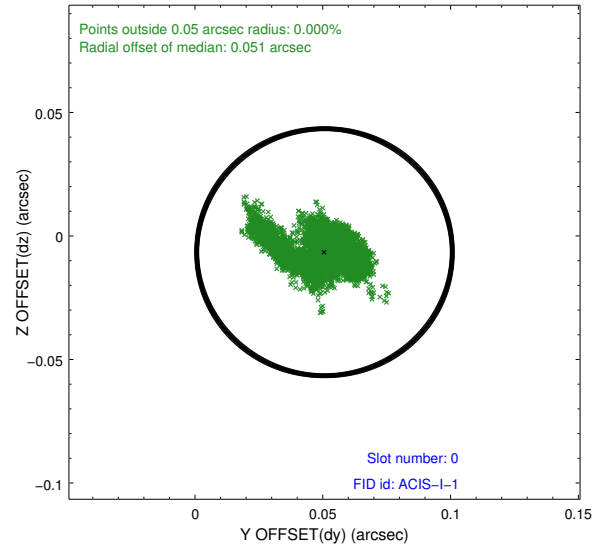
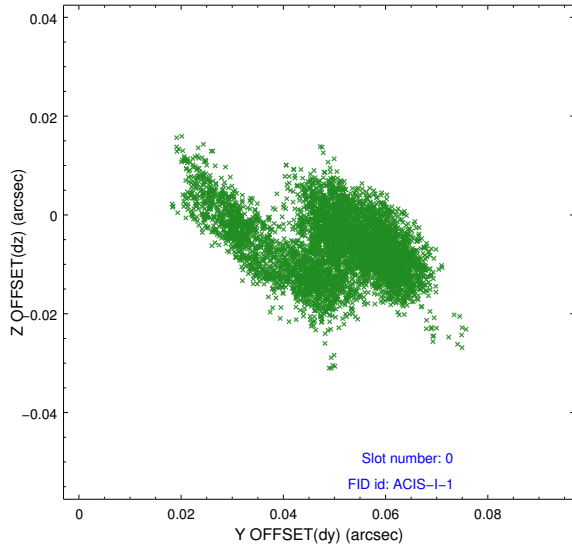


2.4.5 Slot 7

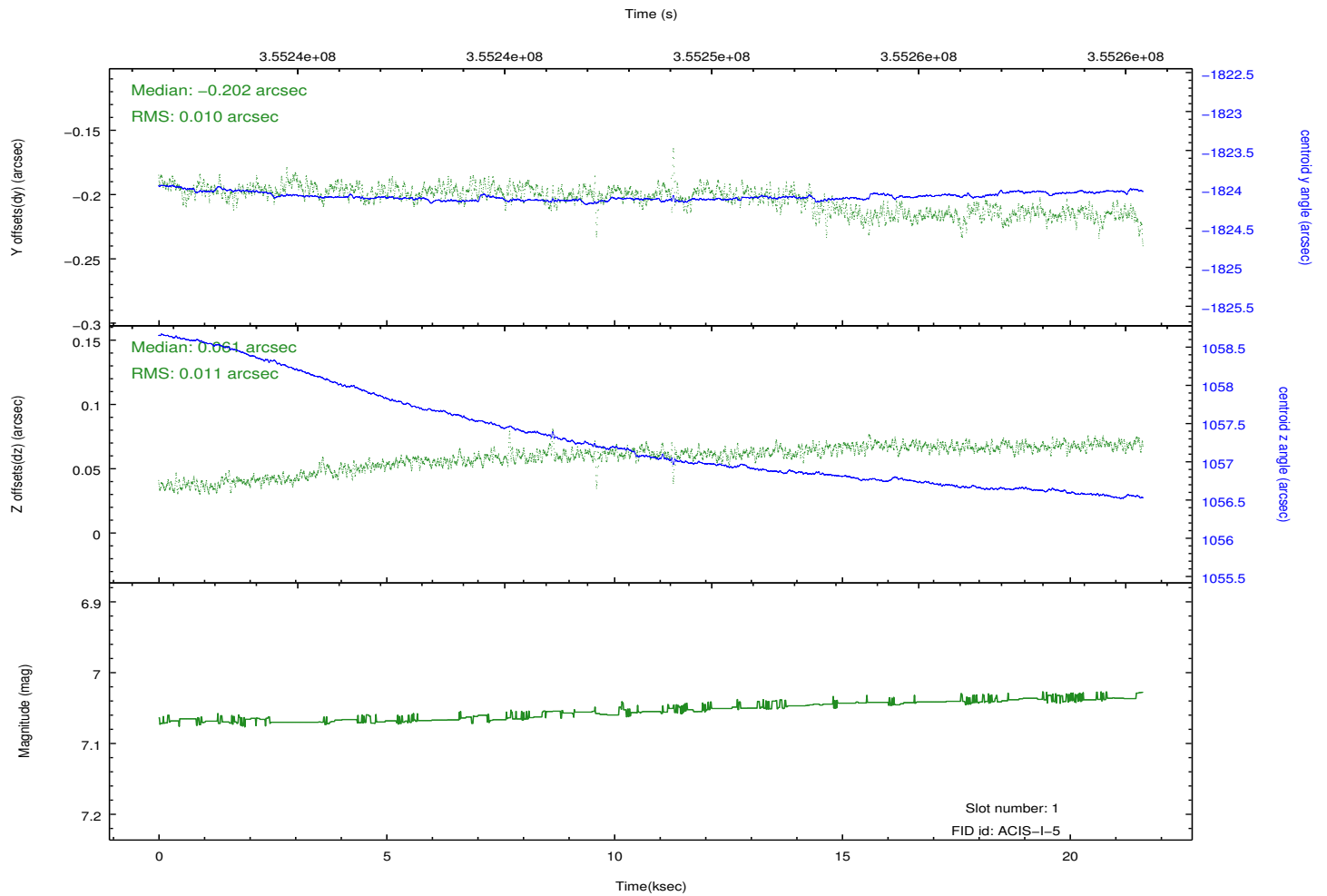
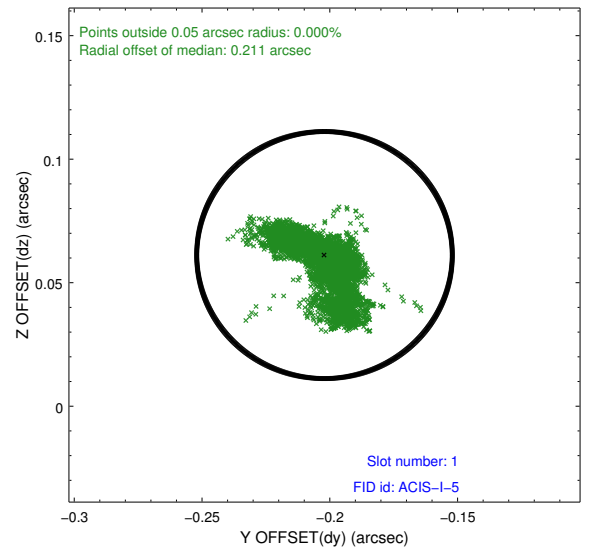
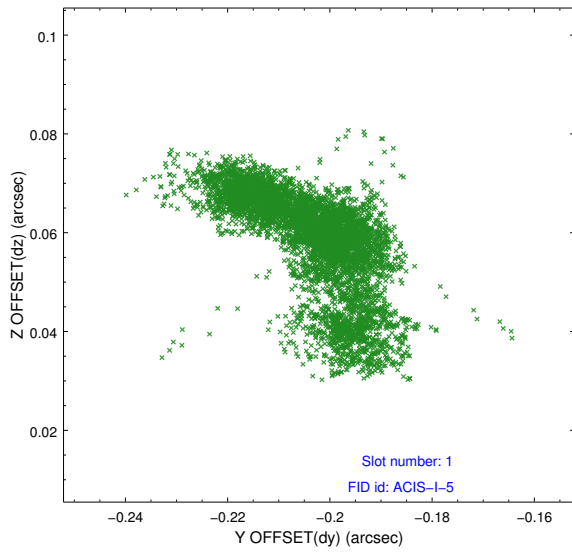


2.5 FID Slots

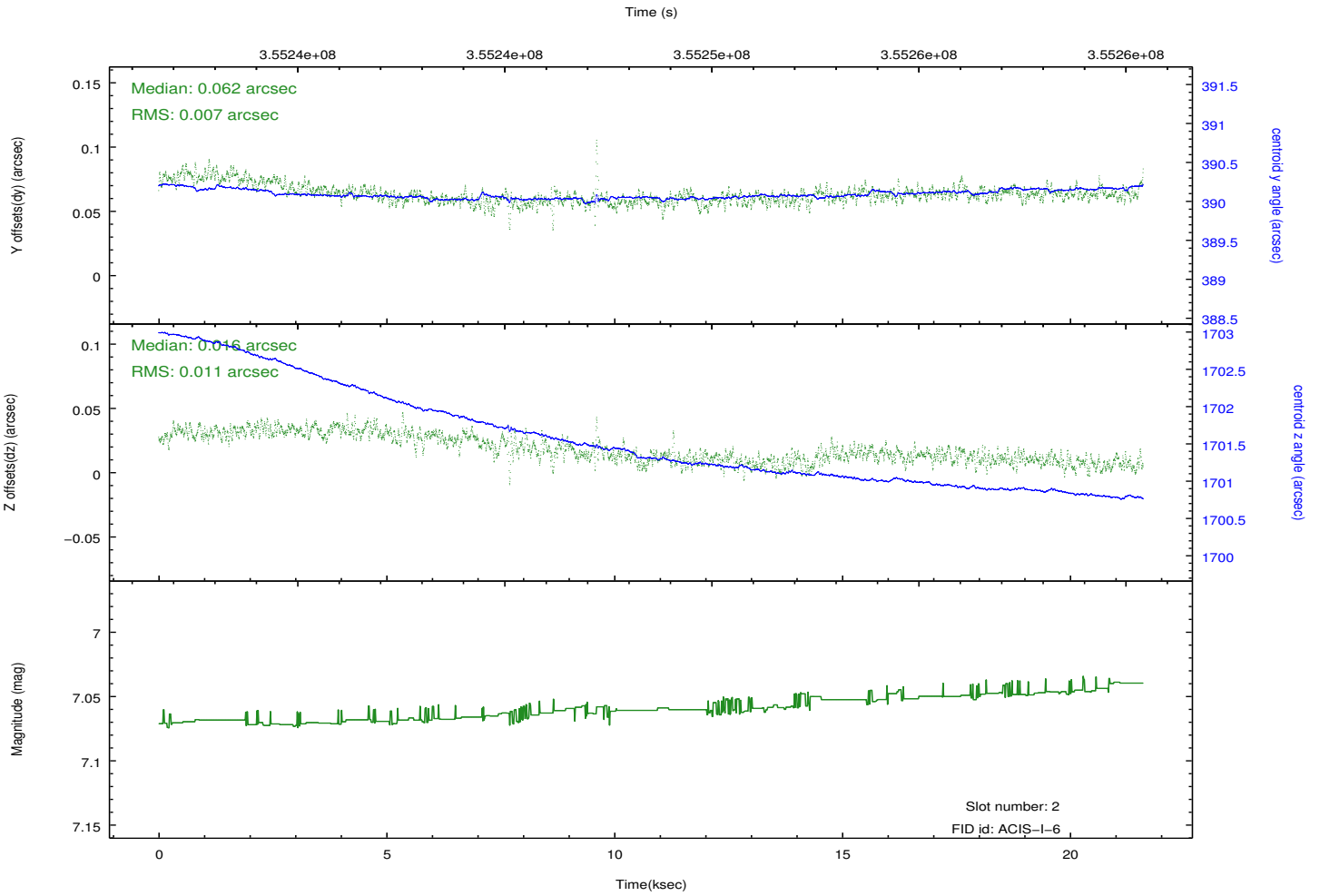
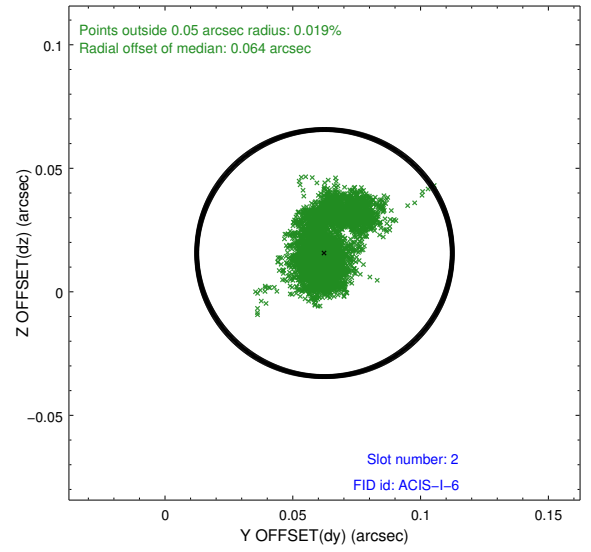
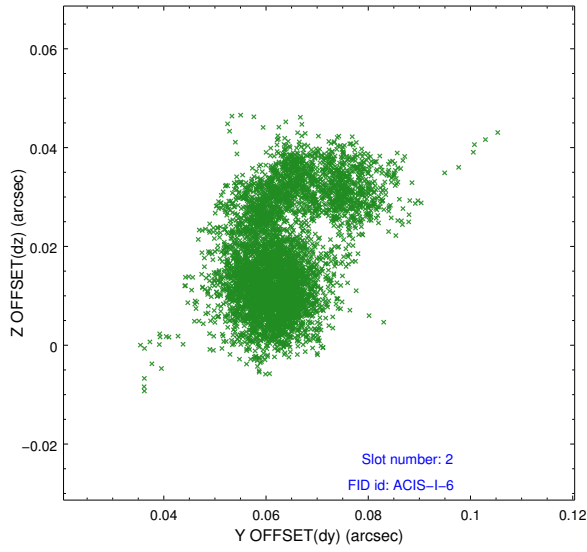
2.5.1 Slot 0



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	21.5935589

A.2 Comments