

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1641 - L2 Version 3
Chandra X-Ray Center

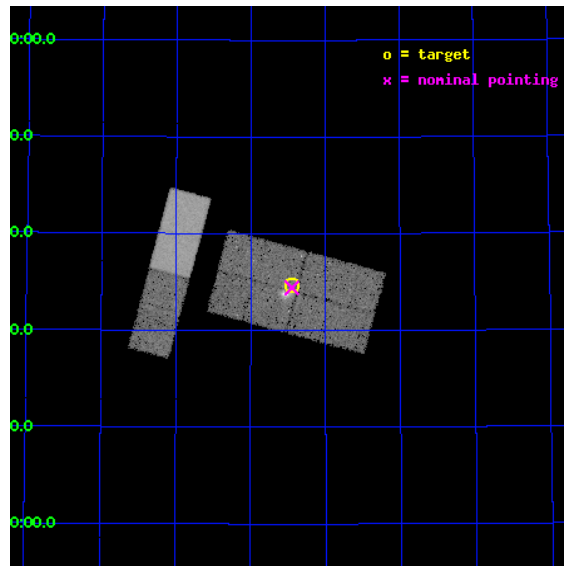
L2 Processing Date : Sep 20 2012

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1 Front

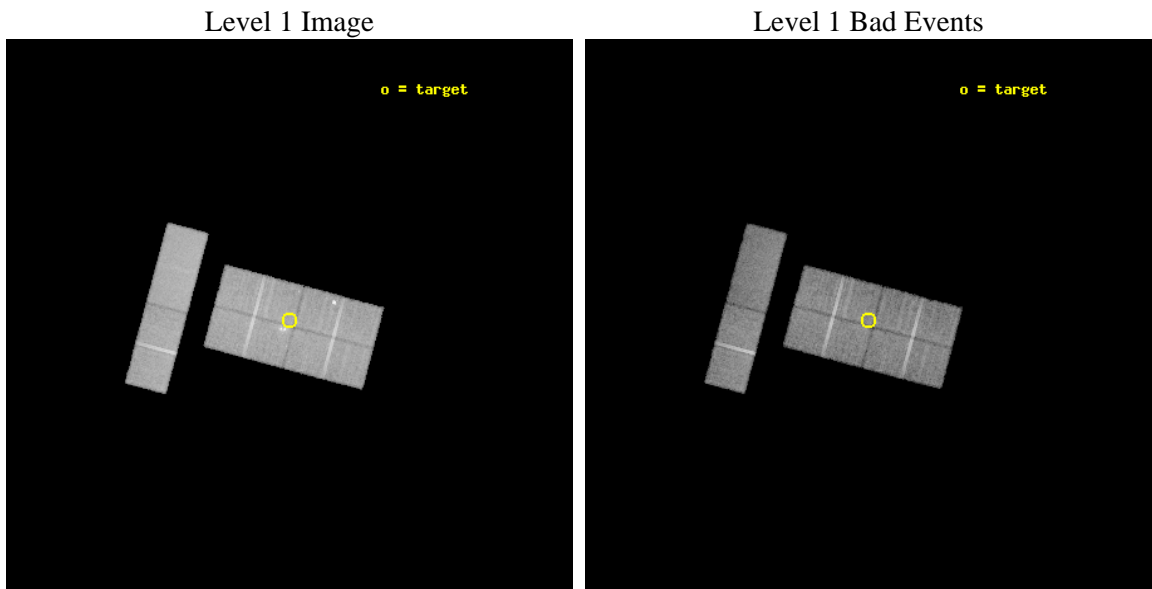
seq_num	700257	Sequence number
obs_id	1641	Observation id
title	X-RAY LUMINOUS STARBURST GALAXY ARP299	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	ARP299	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.11375	Observer's specified target RA [deg]
dec_targ	58.578333	Observer's specified target Dec [deg]
ra_nom	172.11247663352	Nominal RA [deg]
dec_nom	58.573648863786	Nominal Dec [deg]
roll_nom	285.04225699606	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24850.79995887	Sum of GTIs [s]
livetime	24296.832185051	Livetime [s]
ontime0	24850.79995887	Sum of GTIs [s]
ontime1	24850.79995887	Sum of GTIs [s]
ontime2	24848.958968699	Sum of GTIs [s]
ontime3	24850.79995887	Sum of GTIs [s]
ontime6	24850.792675599	Sum of GTIs [s]
ontime7	24850.79995887	Sum of GTIs [s]
l2events	92392	Number of level 2 events



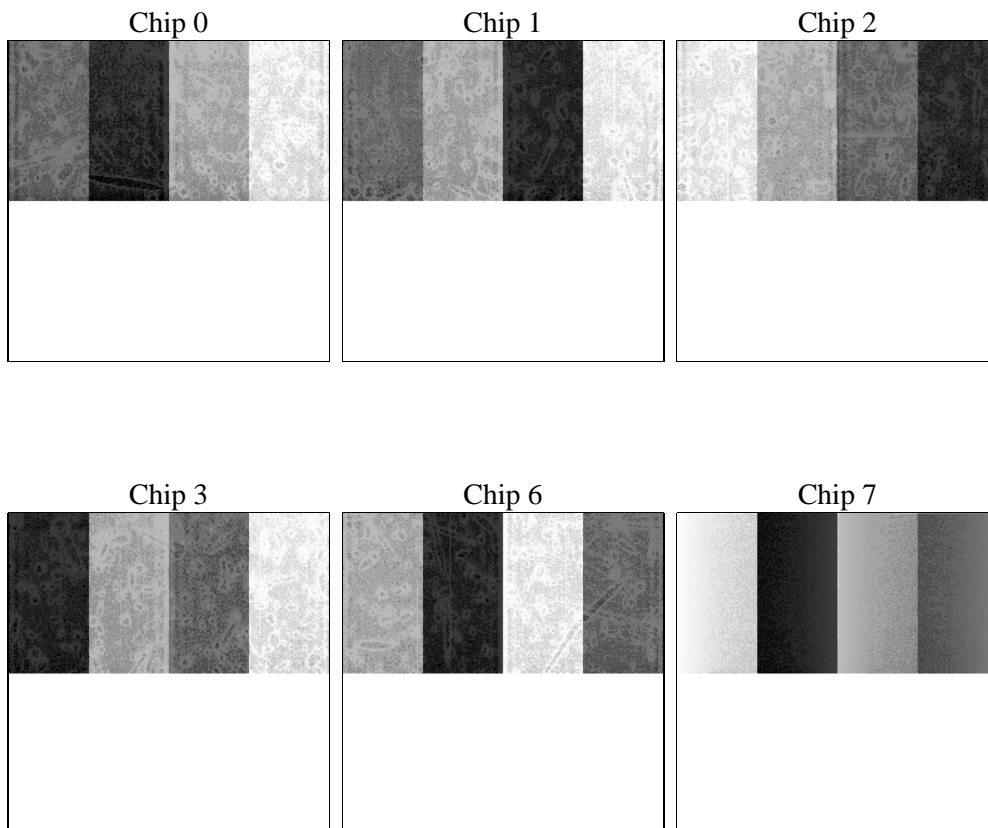
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24850.79995887	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	24850.79995887	Sum of GTIs [s]
date	2012-09-20T06:22:39	Date and time of file creation	ontime1	24850.79995887	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	24848.958968699	Sum of GTIs [s]
			ontime3	24850.79995887	Sum of GTIs [s]
			ontime6	24850.792675599	Sum of GTIs [s]
			ontime7	24850.79995887	Sum of GTIs [s]
			l1events	592665	Number of level 1 events

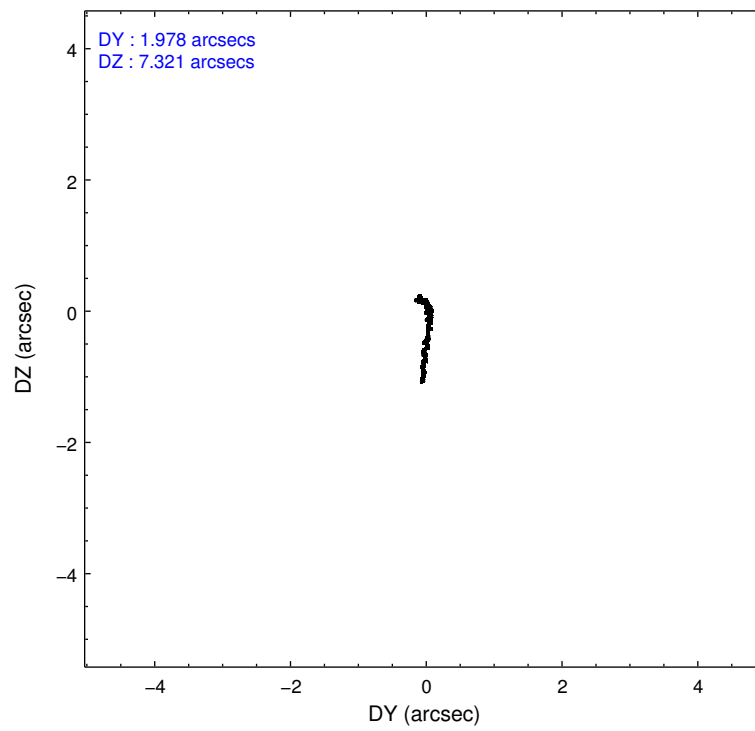
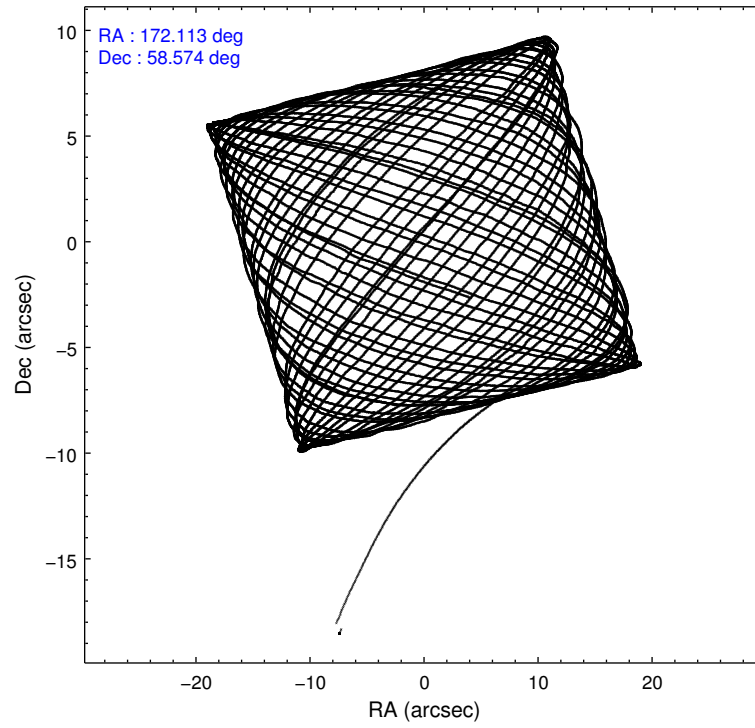
2.1.4 Events

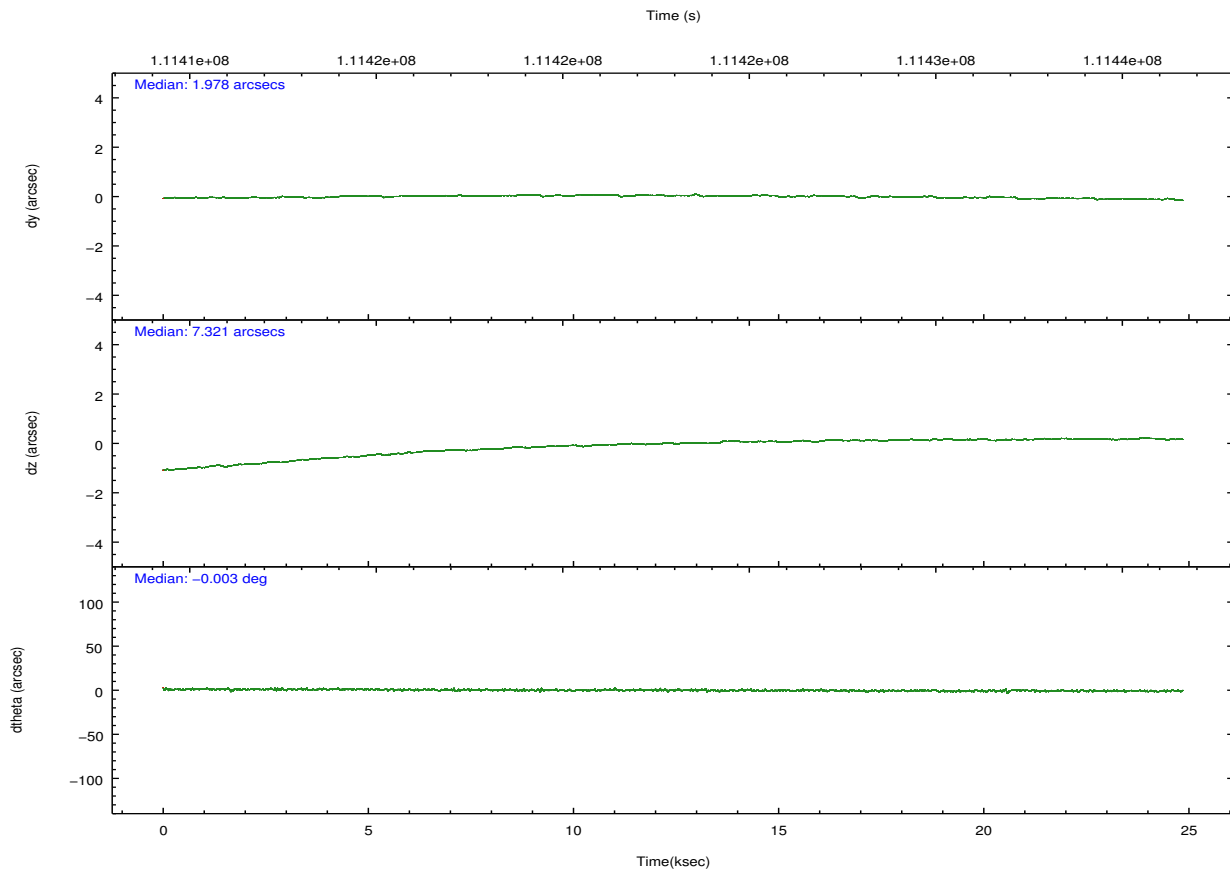
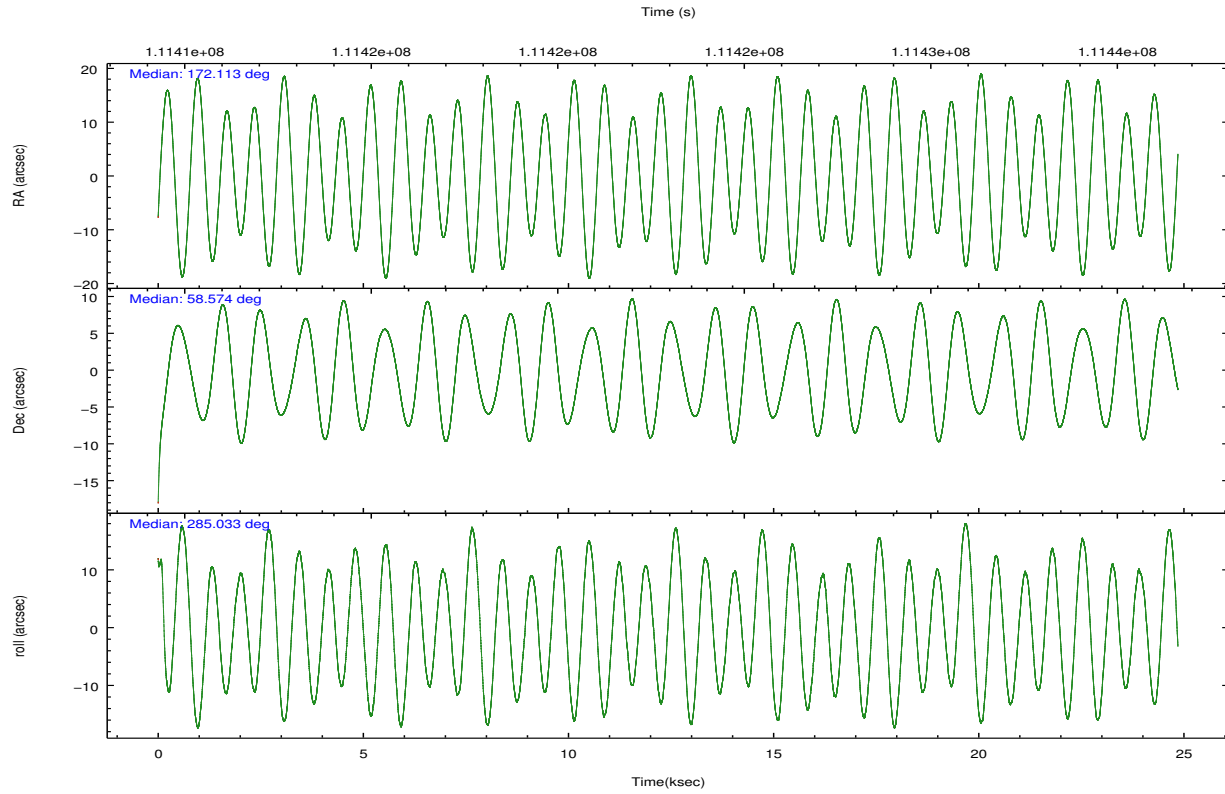
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	88641	91356	100686	97887	101542	112553	grade 0 events	4145	7806	8406	4479	3922	4796
rejected events	78374	77655	85548	87342	91227	66328		4%	8%	8%	4%	3%	4%
rejected %	88%	85%	84%	89%	89%	58%	grade 1 events	53	44	52	52	42	114
								0%	0%	0%	0%	0%	0%
							grade 2 events	2143	2018	2476	1984	2086	9231
								2%	2%	2%	2%	2%	8%
							grade 3 events	1193	1157	1328	1140	1261	4662
								1%	1%	1%	1%	1%	4%
							grade 4 events	1131	1142	1245	1222	1220	4558
								1%	1%	1%	1%	1%	4%
							grade 5 events	3299	3401	3104	3540	4041	11095
								3%	3%	3%	3%	3%	9%
							grade 6 events	1799	1787	1839	1893	2003	23689
								2%	1%	1%	1%	1%	21%
							grade 7 events	74878	74001	82236	83577	86967	54408
								84%	81%	81%	85%	85%	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	172.075190	172.1124766335182	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	58.593008	58.57364886378573	Subarray start row	513	513
[deg] Pointing Roll	284.865395	285.0422569960593	Subarray row count	512	512
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	111410681.184000	111409657.03628			
Observation start date	2001-07-13T11:23:37	2001-07-13T11:07:37			
[s] Observation end time (MET)	111435381.184000	111436195.31232			
Observation end date	2001-07-13T18:15:17	2001-07-13T18:29:55			
Read mode	TIMED	TIMED			

2.3 Aspect



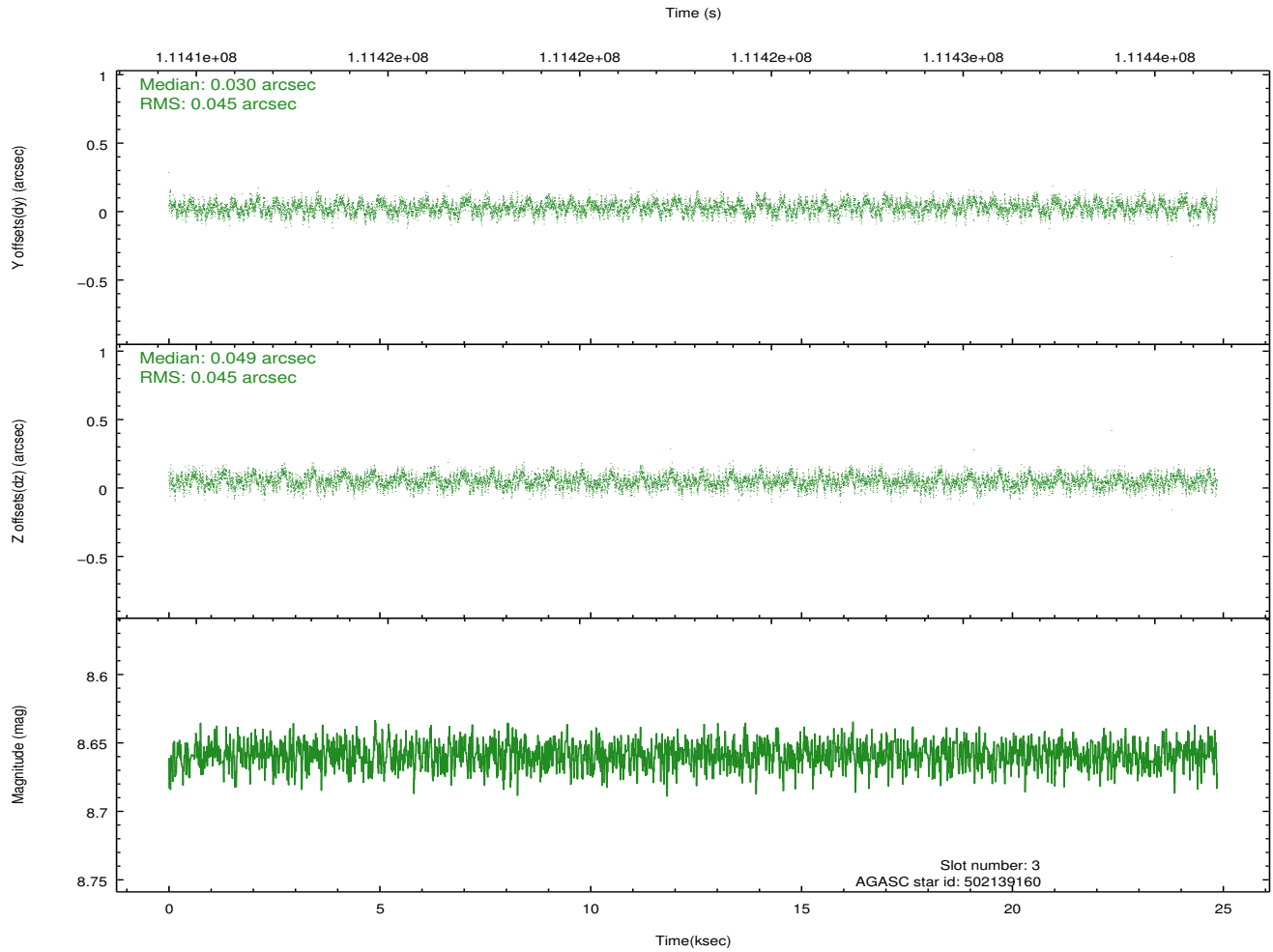
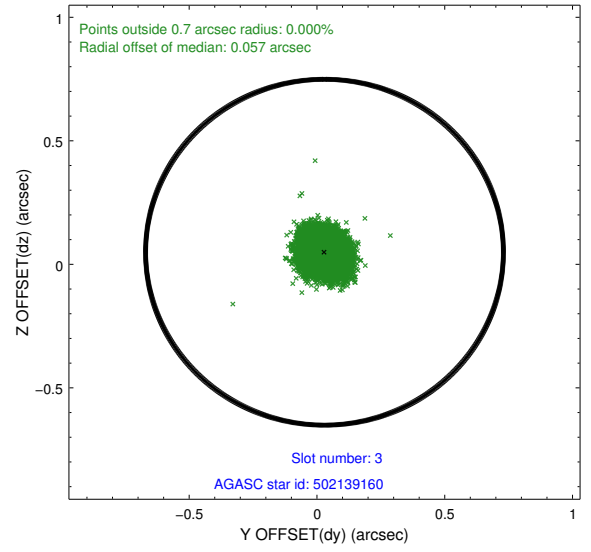
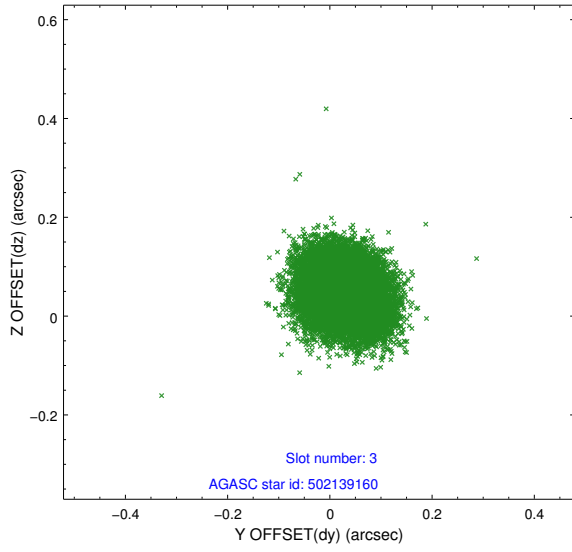


Slot Statistics

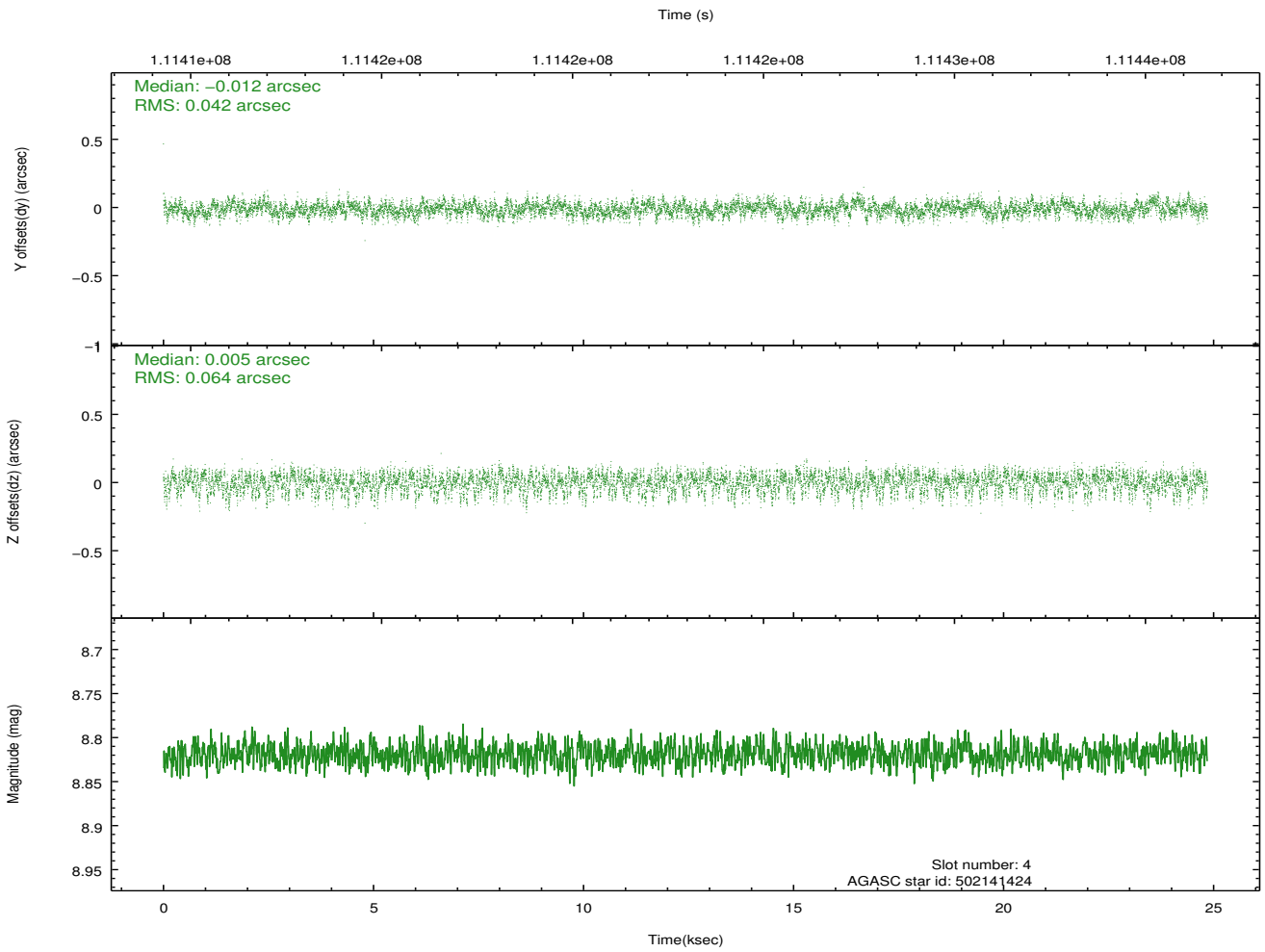
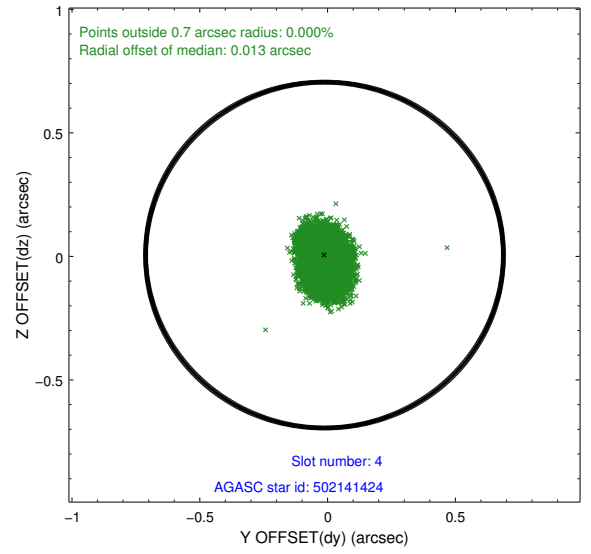
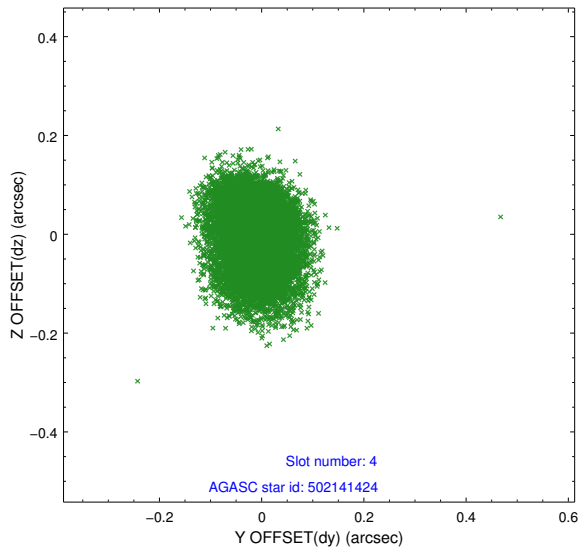
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	6063	-0.049	-0.074	0.011	0.018	0.000000	0.000000	-756.36	-837.01
1	FID	ACIS-I-4	7.18	6063	-0.007	0.055	0.007	0.012	0.000000	0.000000	2157.66	1069.26
2	FID	ACIS-I-5	7.23	6063	-0.045	0.088	0.011	0.018	0.000000	0.000000	-1810.05	1067.23
3	GUIDE	502139160	8.66	12121	0.030	0.049	0.069	0.108	171.922858	58.702202	-453.22	-174.53
4	GUIDE	502141424	8.82	12119	-0.012	0.005	0.081	0.134	170.796377	58.588126	-620.26	-2317.87
5	GUIDE	502139008	8.91	12116	0.009	-0.081	0.068	0.109	171.461493	58.762354	-888.07	-950.12
6	GUIDE	502143776	8.95	12122	0.015	0.088	0.081	0.129	172.980797	58.430865	990.65	1502.81
7	GUIDE	502142976	9.73	12117	-0.042	-0.056	0.101	0.165	171.032248	58.349058	329.08	-2125.54

2.4 Star Slots

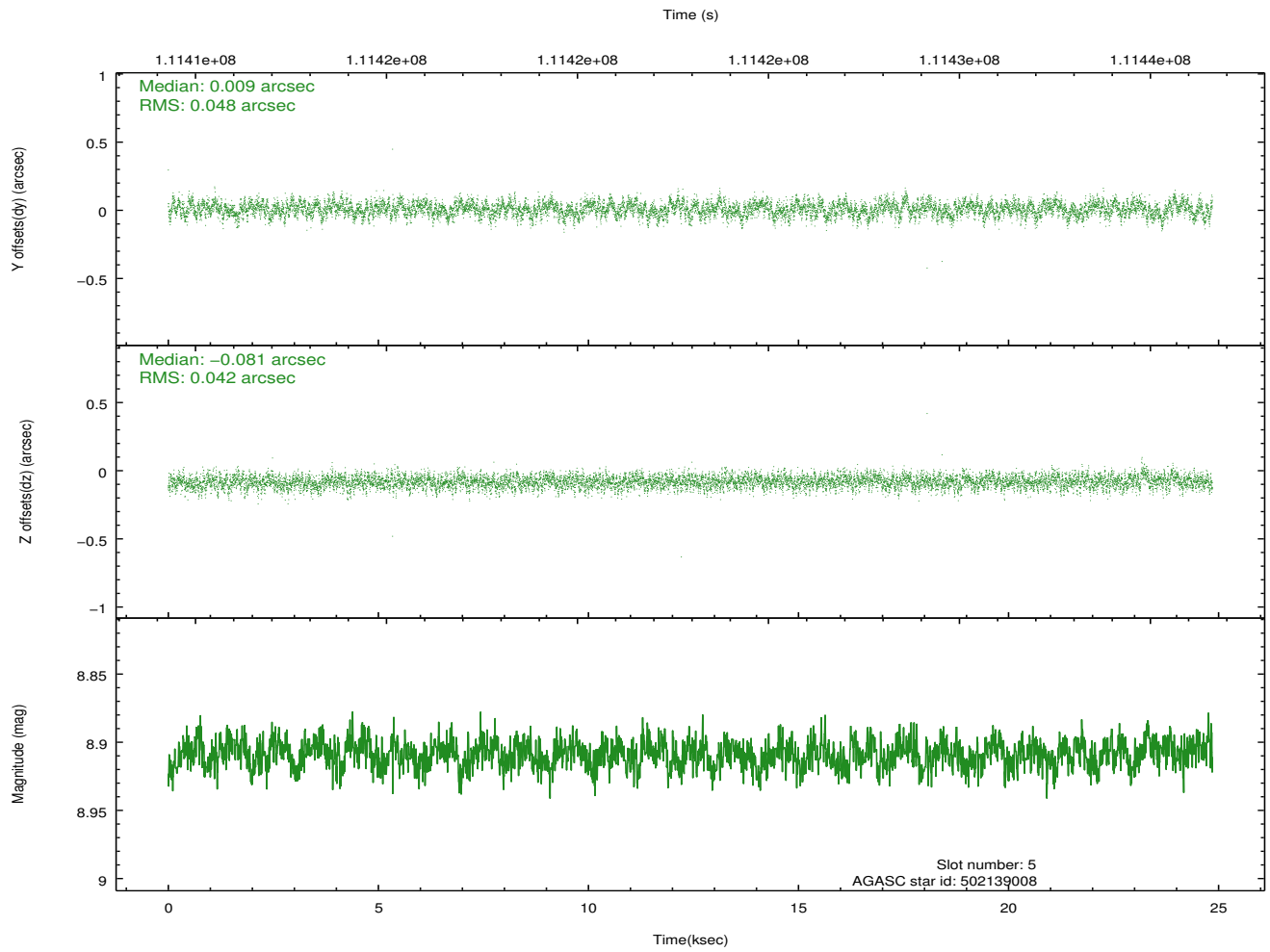
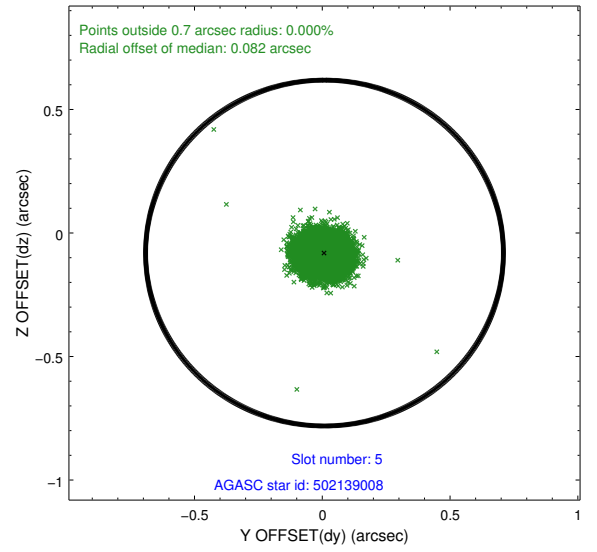
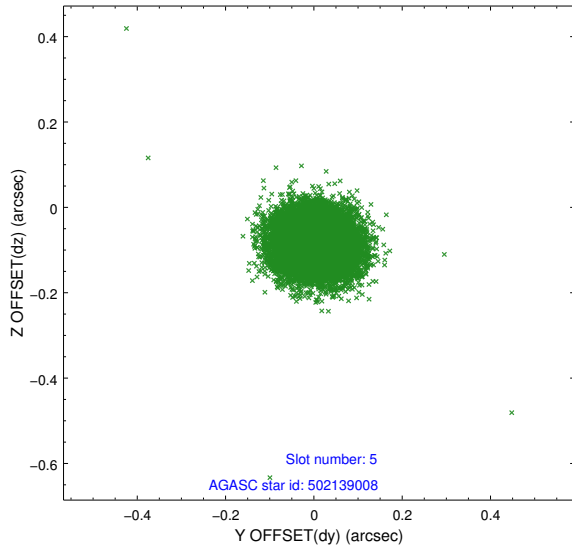
2.4.1 Slot 3



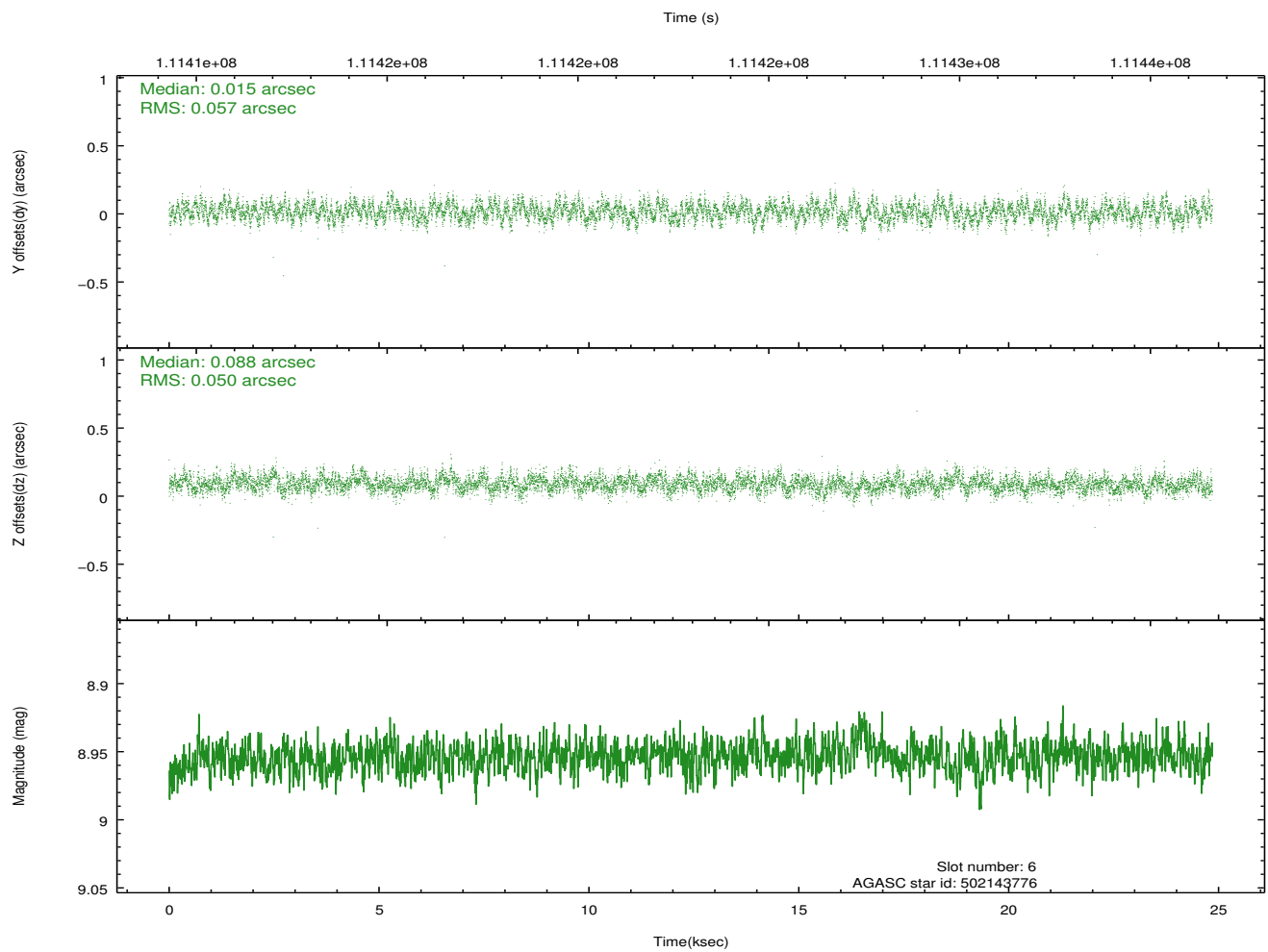
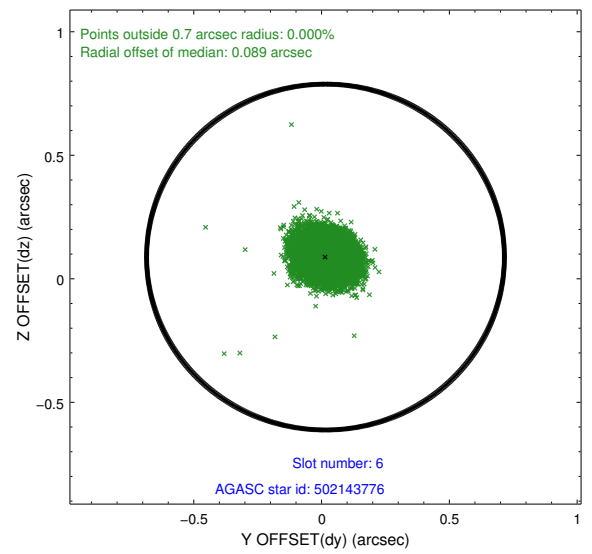
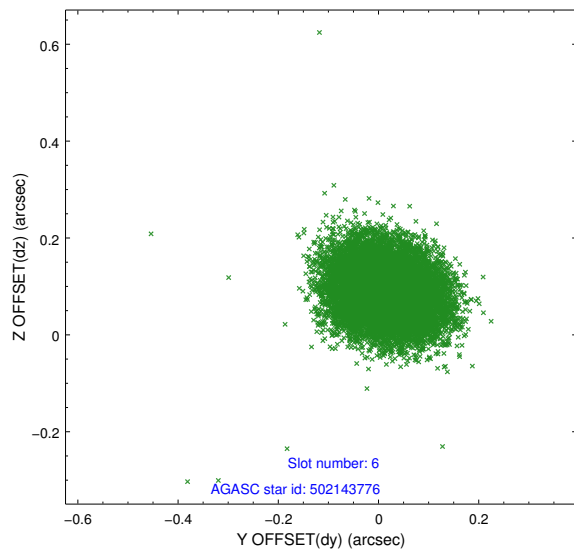
2.4.2 Slot 4



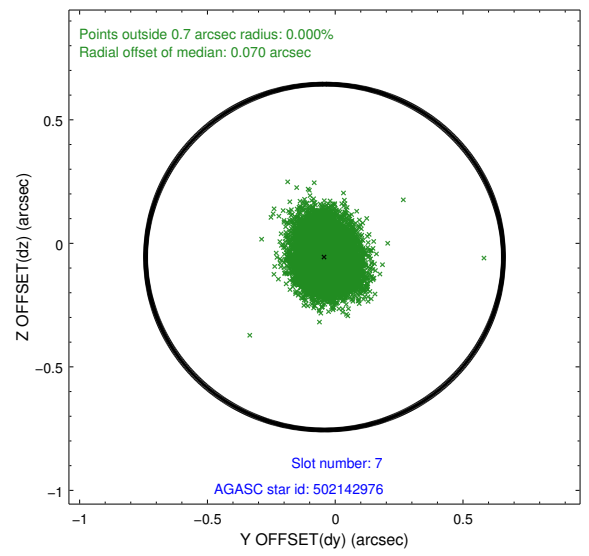
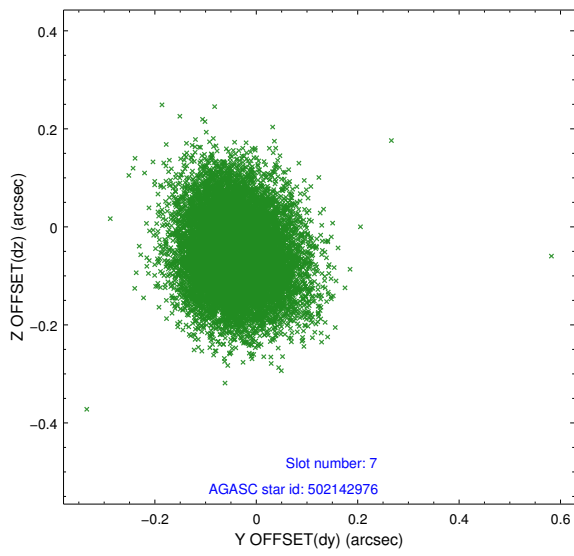
2.4.3 Slot 5



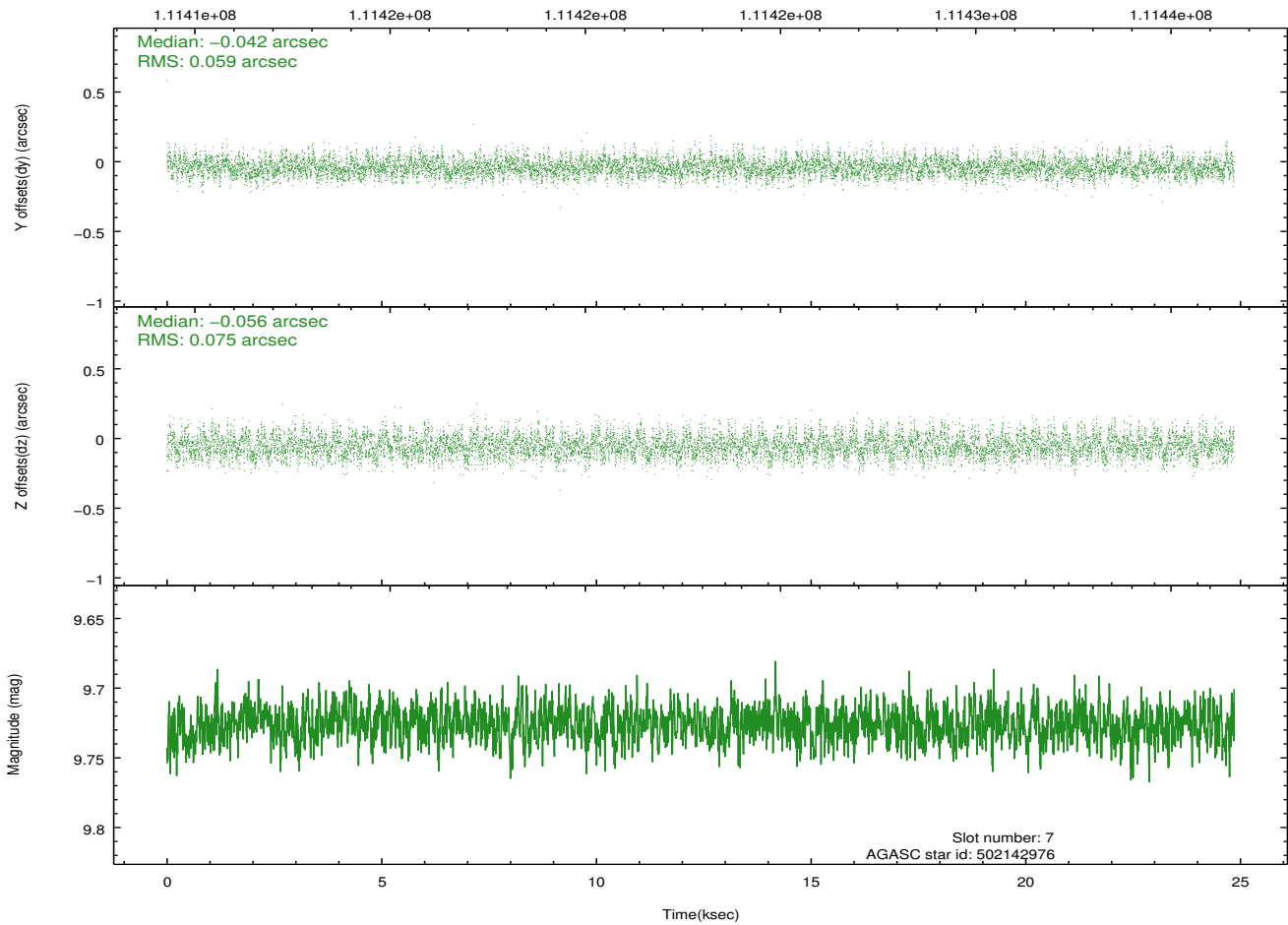
2.4.4 Slot 6



2.4.5 Slot 7

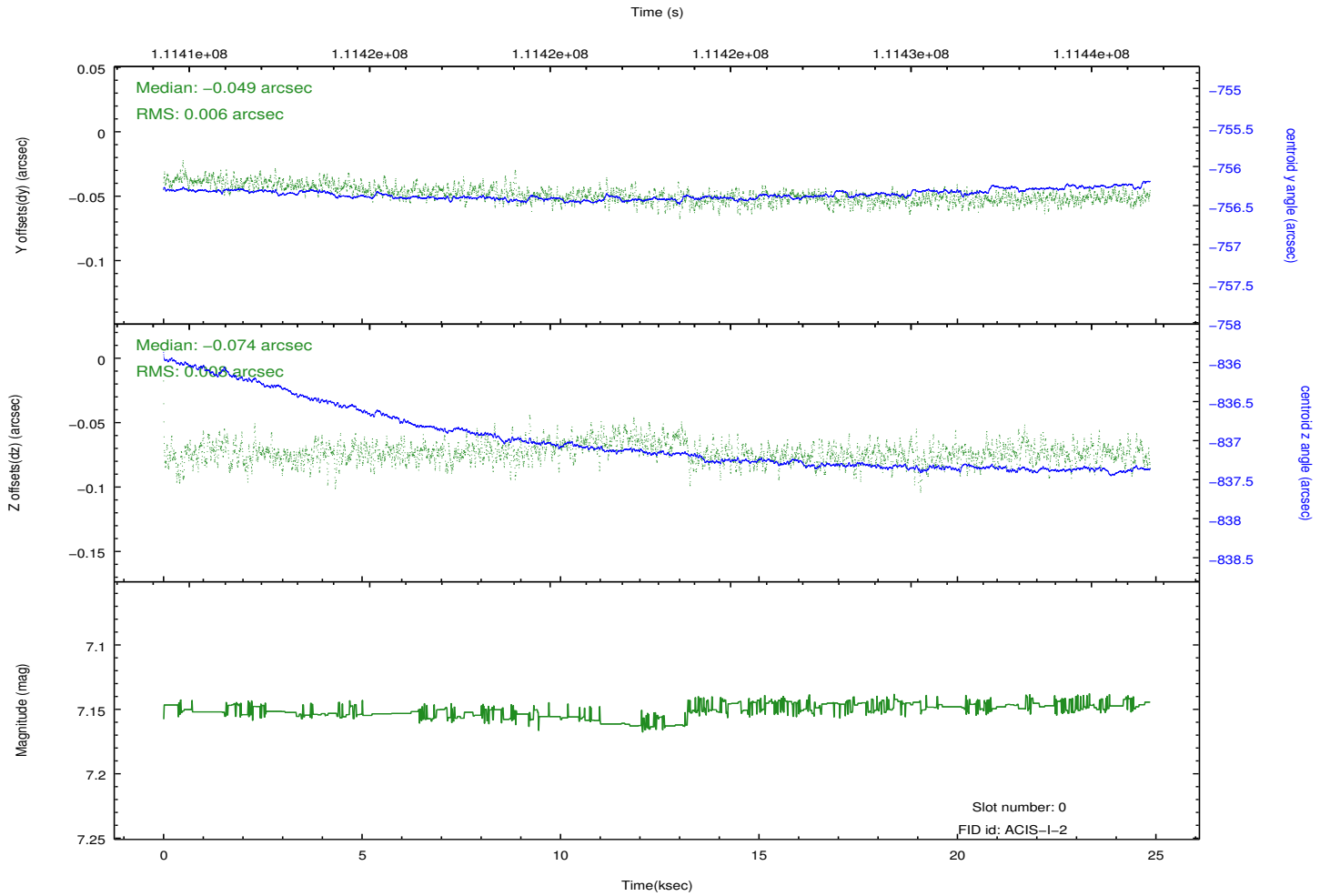
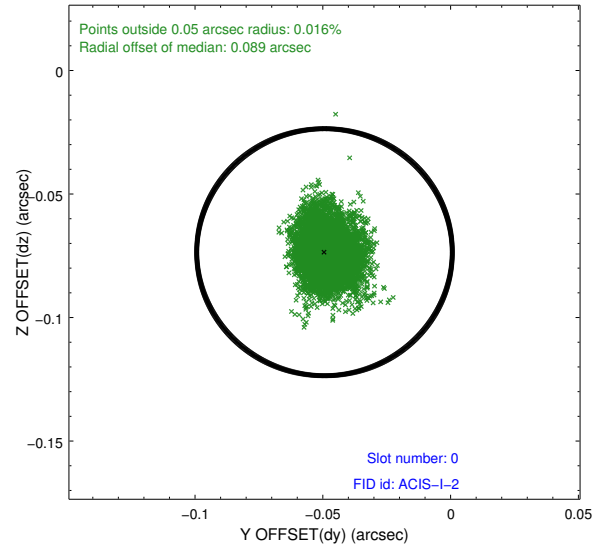
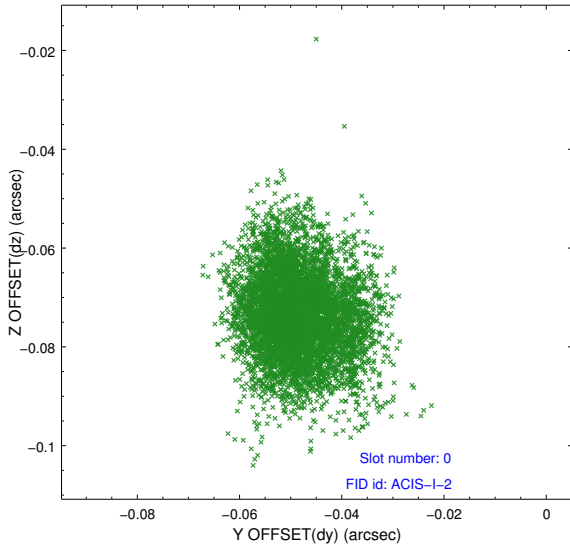


Time (s)

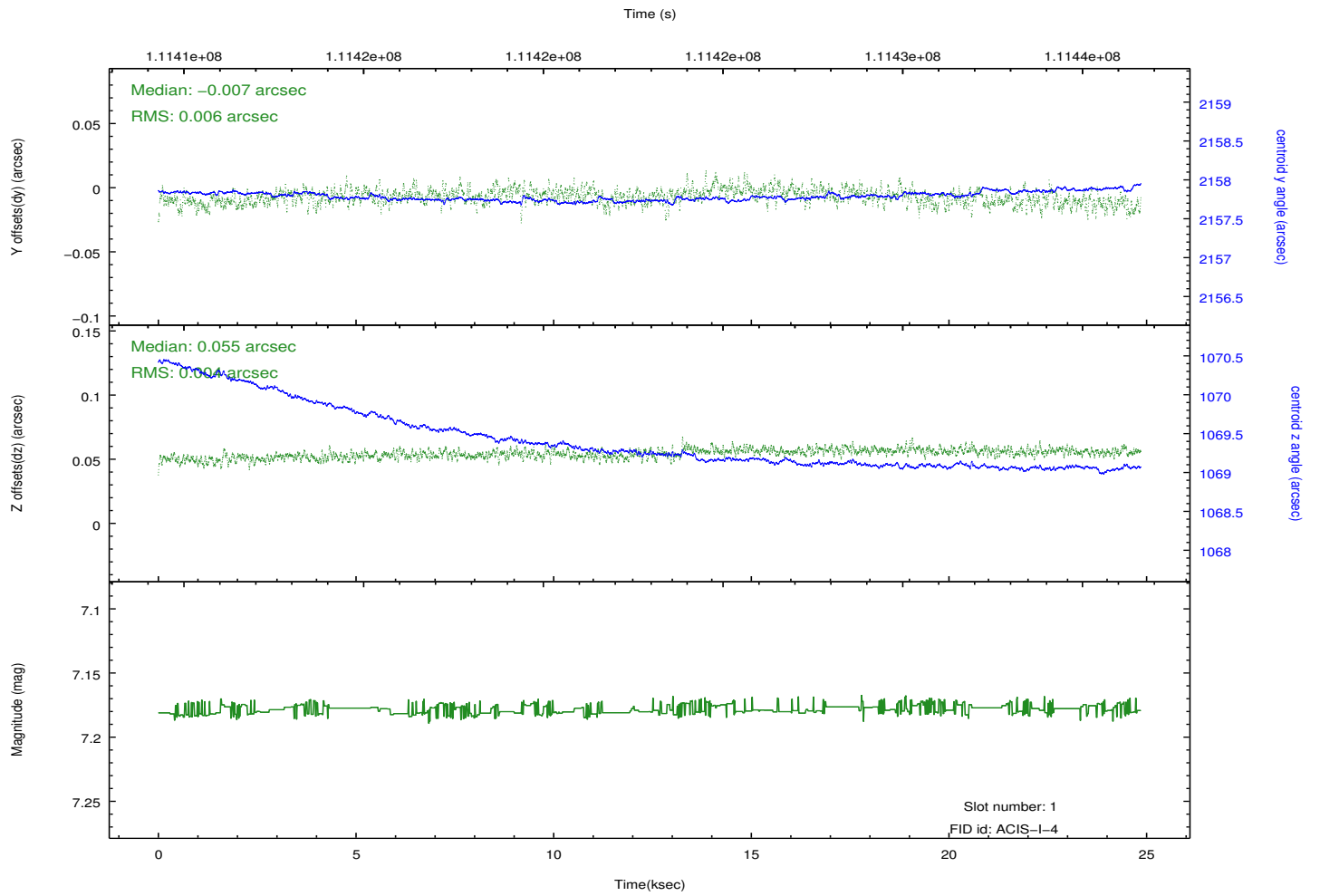
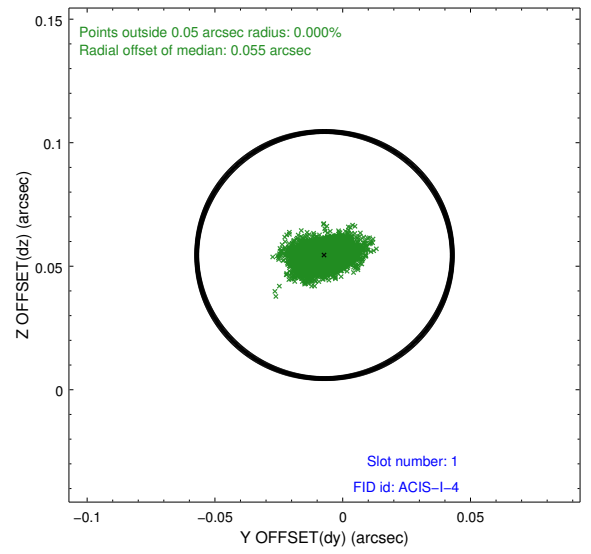
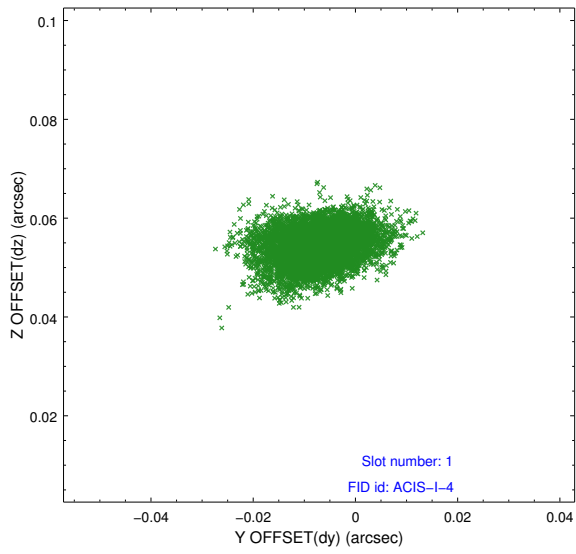


2.5 FID Slots

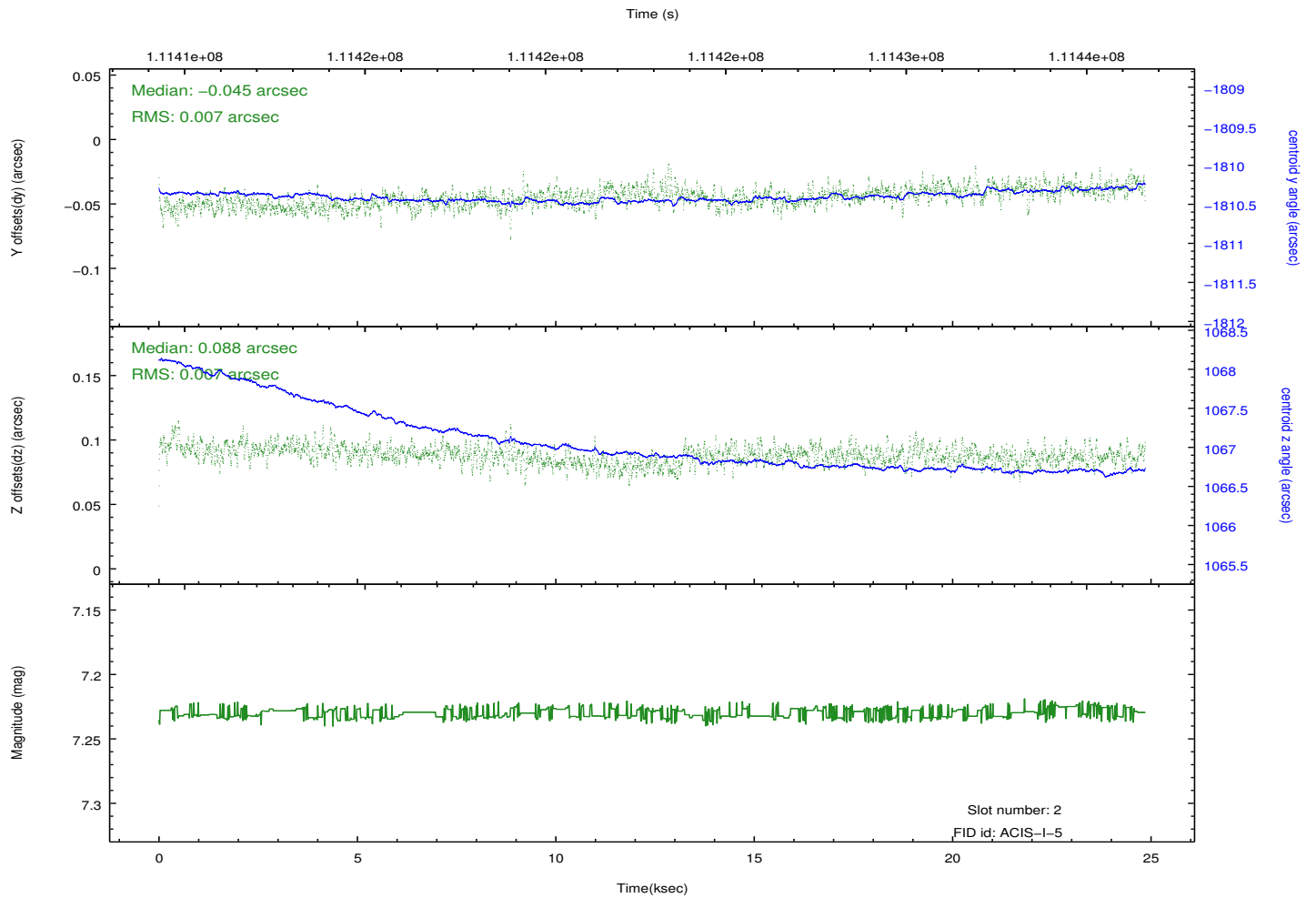
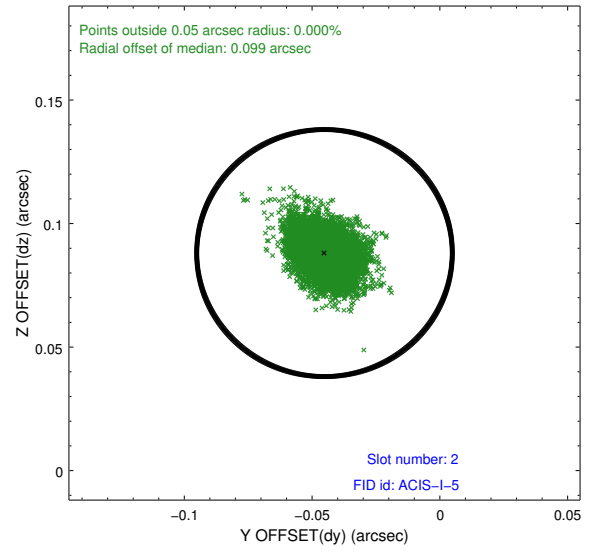
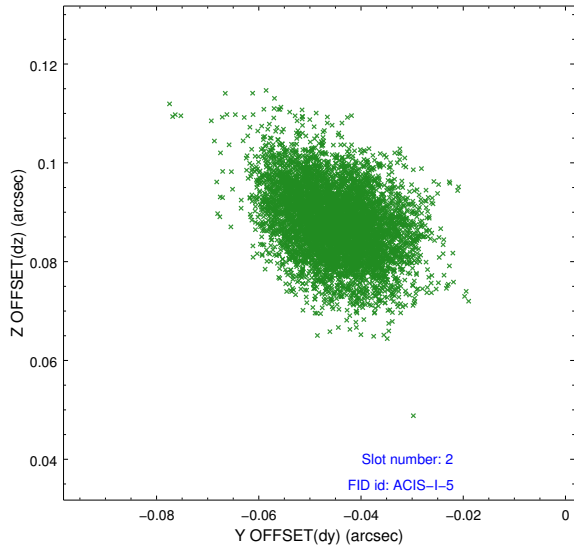
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.85

A.2 Comments