

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3501 - L2 Version 3
Chandra X-Ray Center

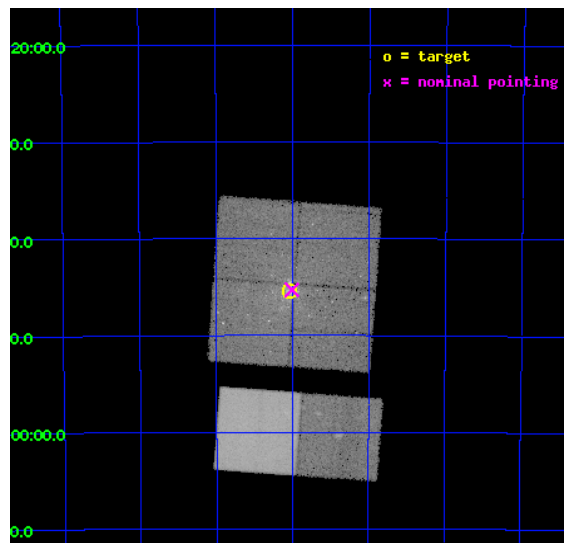
L2 Processing Date : Nov 2 2012

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1 Front

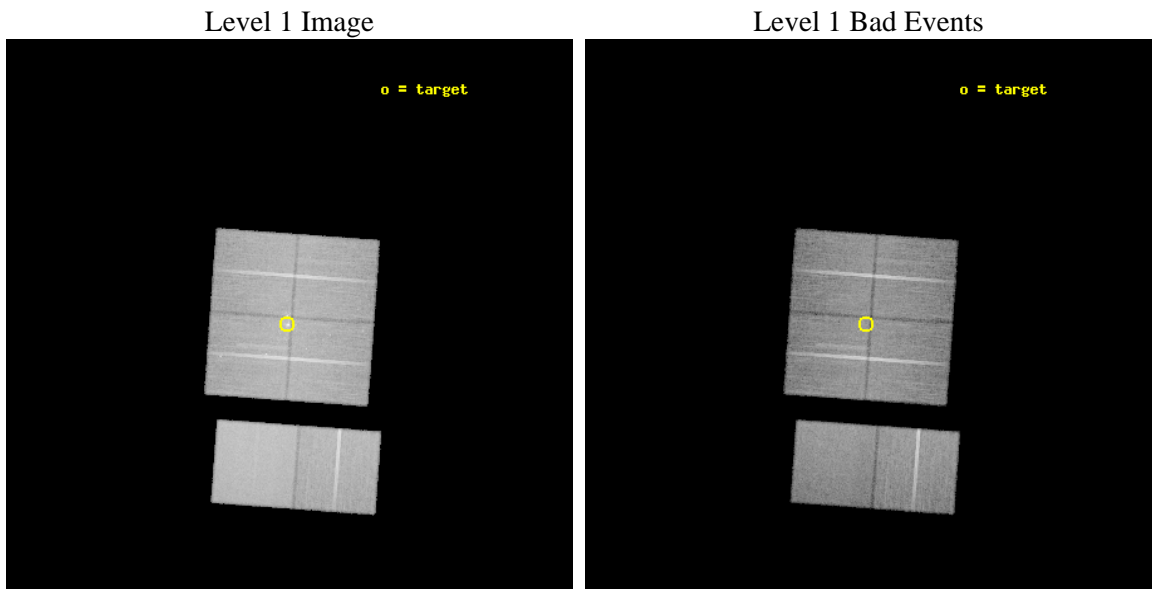
seq_num	200196	Sequence number
obs_id	3501	Observation id
title	AN ACIS OBSERVATION OF THE MASSIVE STAR-FORMING REGION RCW 49	Prop
observer	Professor Gordon Garmire	Principal investigator
object	RCW 49	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.010417	Observer's specified target RA [deg]
dec_targ	-57.756389	Observer's specified target Dec [deg]
ra_nom	156.00218634966	Nominal RA [deg]
dec_nom	-57.754904457977	Nominal Dec [deg]
roll_nom	184.18586458769	Nominal Roll [deg]
revision	3	Processing version of data
ontime	36671.958923012	Sum of GTIs [s]
livetime	36207.596497926	Livetime [s]
ontime0	36668.717922837	Sum of GTIs [s]
ontime1	36671.958903104	Sum of GTIs [s]
ontime2	36675.199863374	Sum of GTIs [s]
ontime3	36671.958923012	Sum of GTIs [s]
ontime6	36671.958873212	Sum of GTIs [s]
ontime7	36675.199863374	Sum of GTIs [s]
l2events	285538	Number of level 2 events



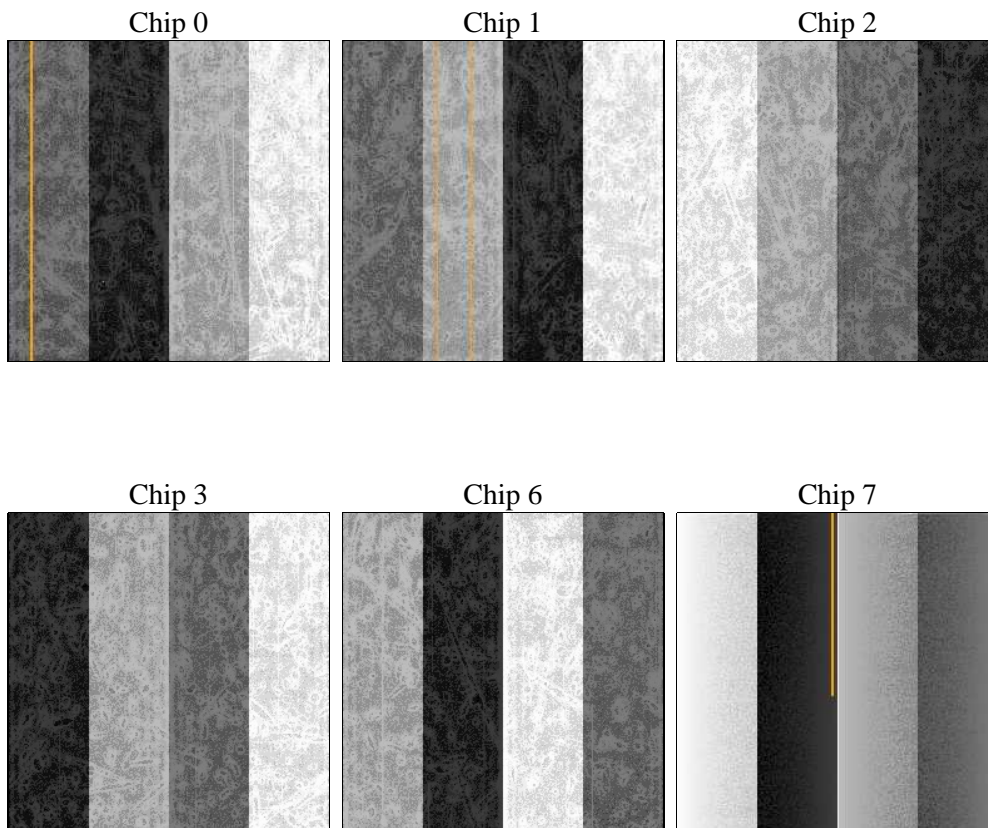
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	36671.958923012	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	36668.717922837	Sum of GTIs [s]
date	2012-11-02T17:06:19	Date and time of file creation	ontime1	36671.958903104	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	36675.199863374	Sum of GTIs [s]
			ontime3	36671.958923012	Sum of GTIs [s]
			ontime6	36671.958873212	Sum of GTIs [s]
			ontime7	36675.199863374	Sum of GTIs [s]
			l1events	1475376	Number of level 1 events

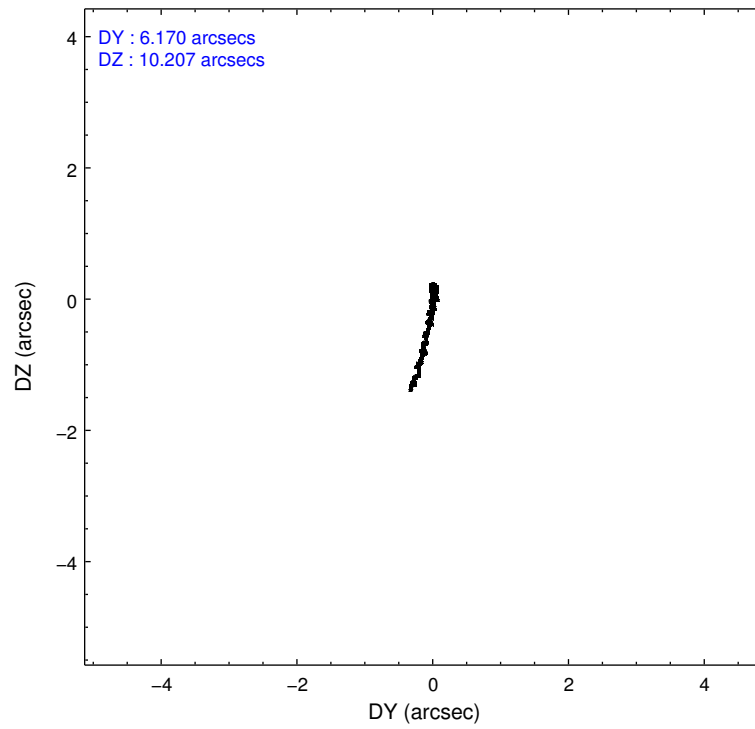
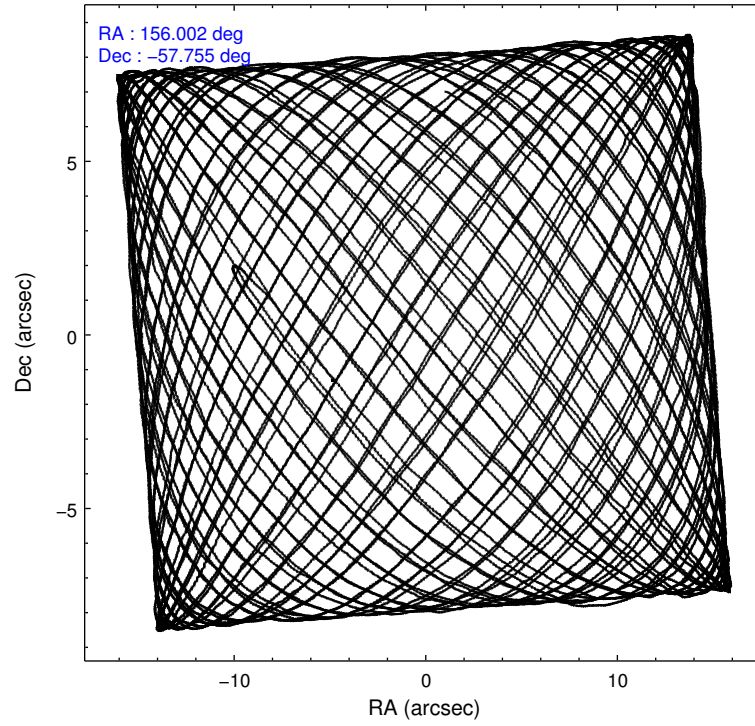
2.1.4 Events

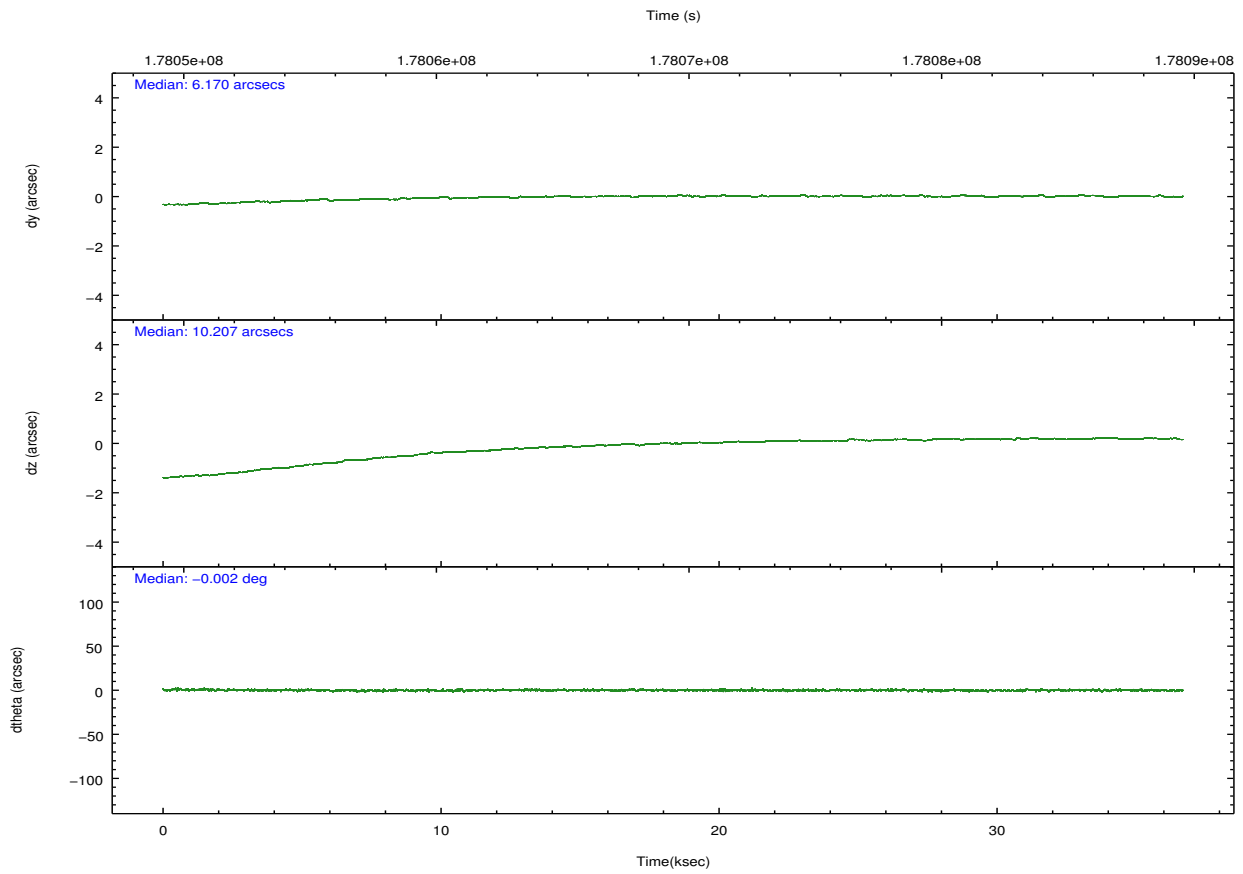
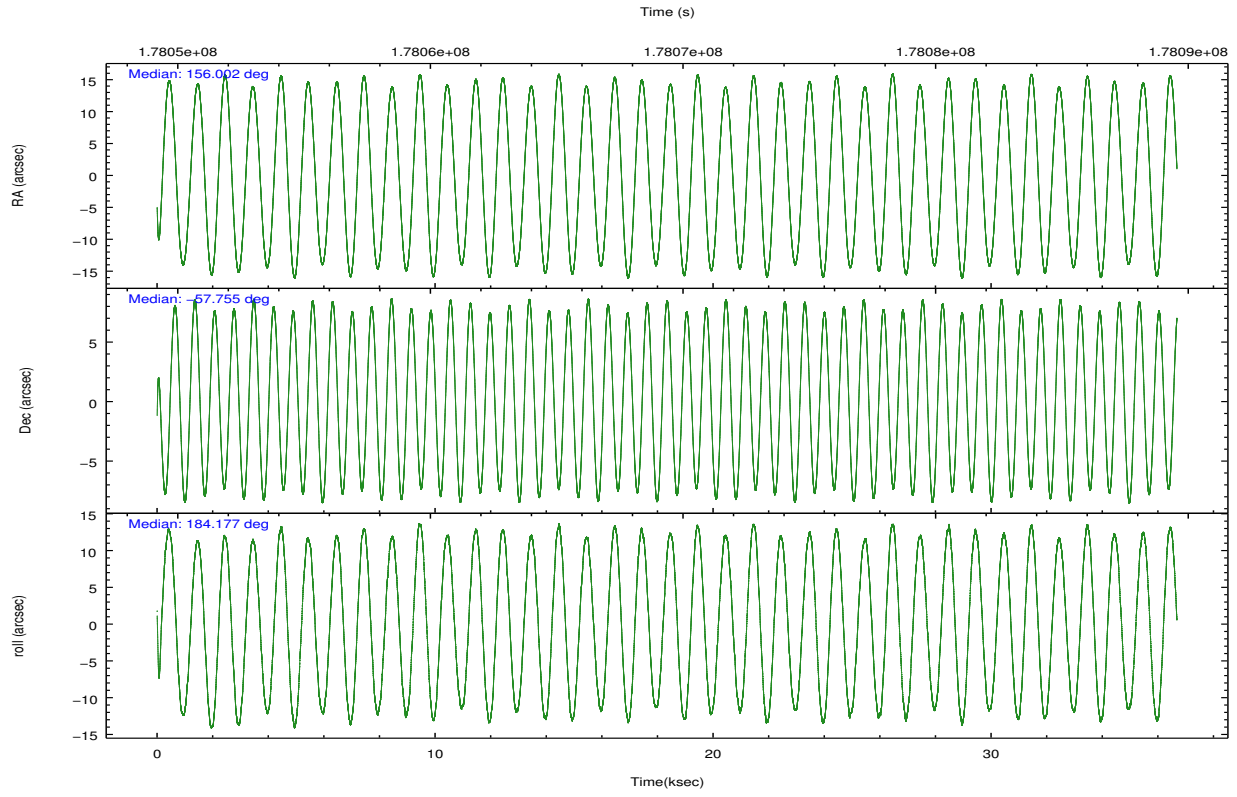
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	218293	216296	232145	238375	245007	325260	grade 0 events	14615	15104	17179	20826	14158	13210
rejected events	187197	183054	198720	200290	213608	182912		6%	6%	7%	8%	5%	4%
rejected %	85%	84%	85%	84%	87%	56%	grade 1 events	130	117	172	174	130	260
								0%	0%	0%	0%	0%	0%
							grade 2 events	6185	6651	6266	6382	6249	27638
								2%	3%	2%	2%	2%	8%
							grade 3 events	2838	3010	2749	3010	2792	12635
								1%	1%	1%	1%	1%	3%
							grade 4 events	2663	2986	2734	2955	2706	12425
								1%	1%	1%	1%	1%	3%
							grade 5 events	9368	9648	8978	10090	10936	29526
								4%	4%	3%	4%	4%	9%
							grade 6 events	4894	5601	4601	5039	5578	76885
								2%	2%	1%	2%	2%	23%
							grade 7 events	177600	173179	189466	189899	202458	152681
								81%	80%	81%	79%	82%	46%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	156.044503	156.0021863496553	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.739421	-57.75490445797704	Alternating exposures requested	N	N
[deg] Pointing Roll	184.012963	184.1858645876887	[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)	178051210.184000	178050083.46255			
Observation start date	2003-08-23T18:39:06	2003-08-23T18:21:23			
[s] Observation end time (MET)	178087710.184000	178088036.13917			
Observation end date	2003-08-24T04:47:26	2003-08-24T04:53:56			
Read mode	TIMED	TIMED			

2.3 Aspect



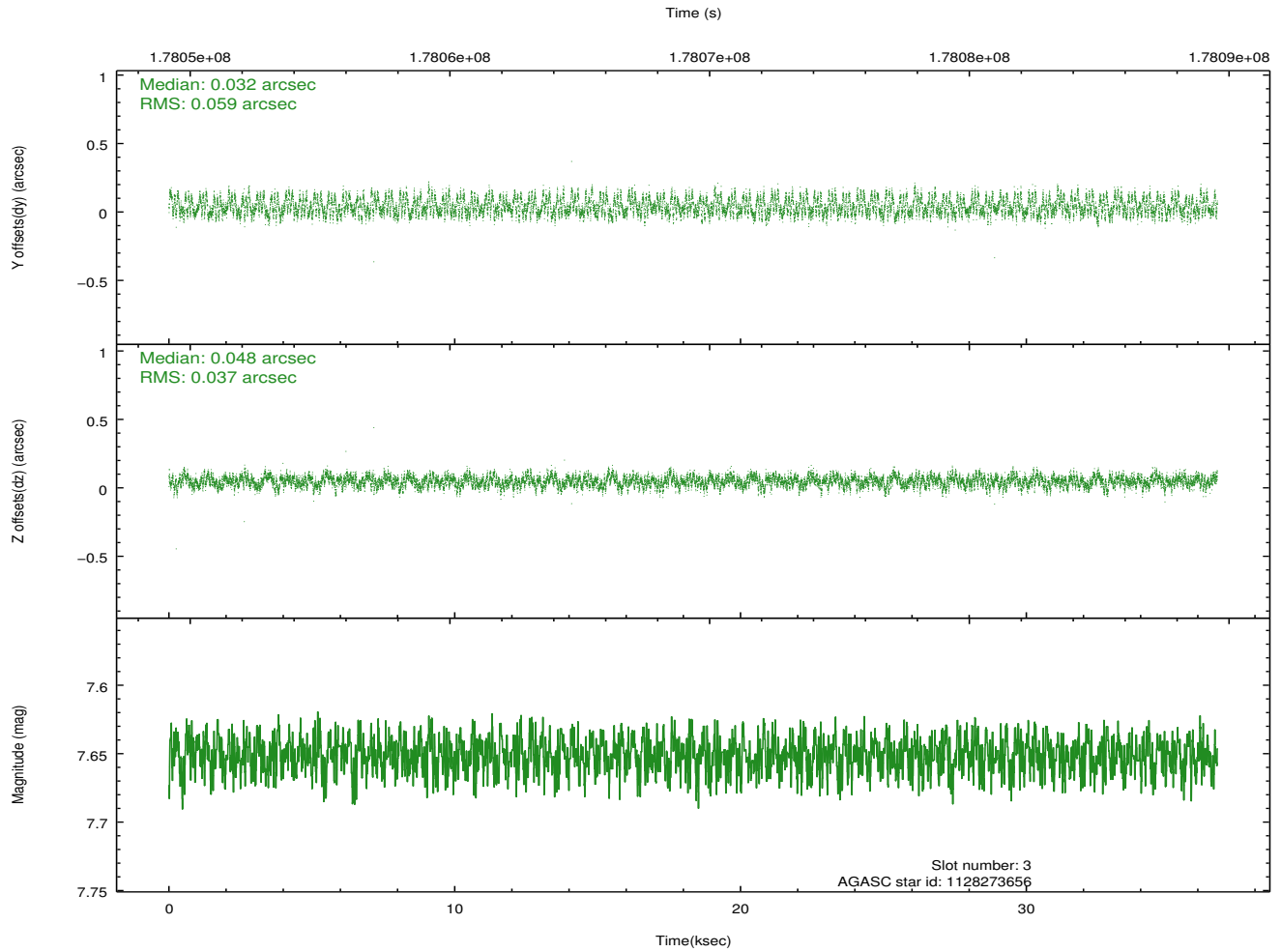
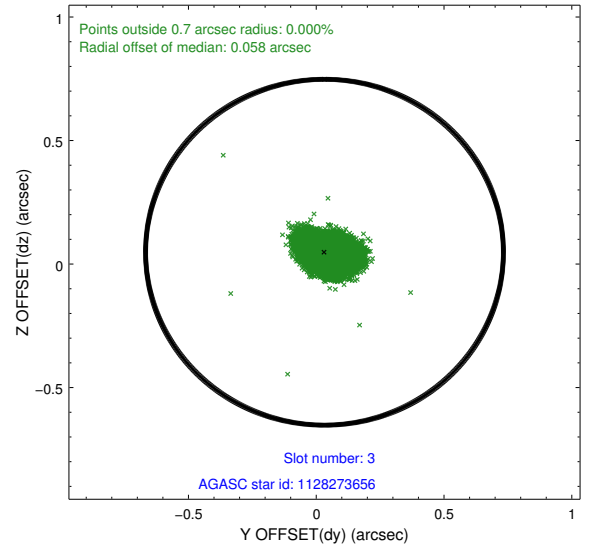
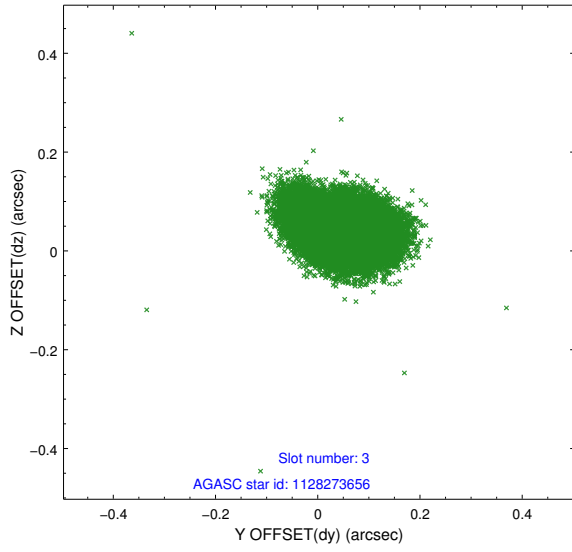


Slot Statistics

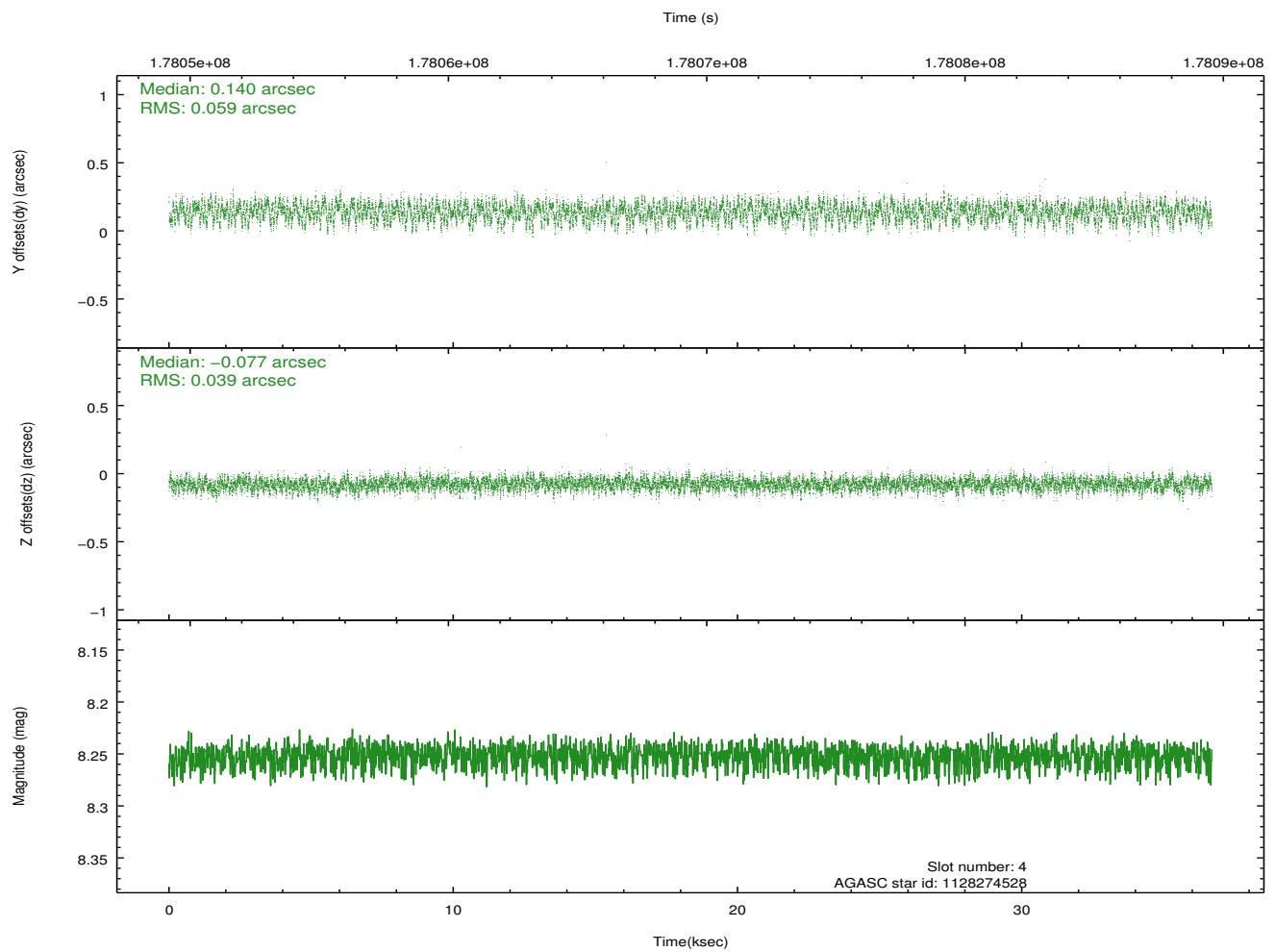
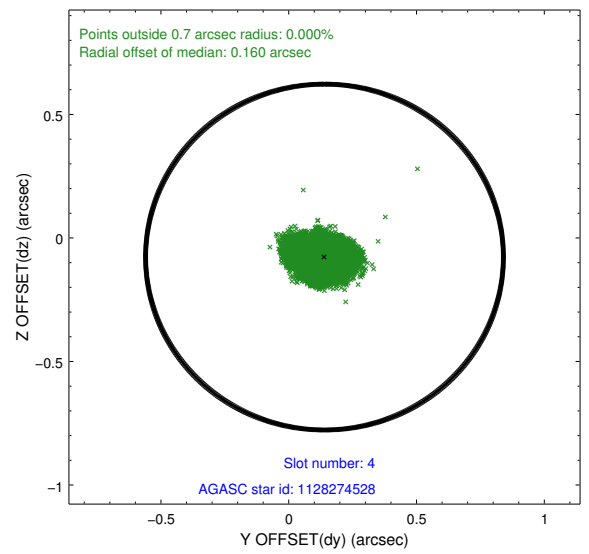
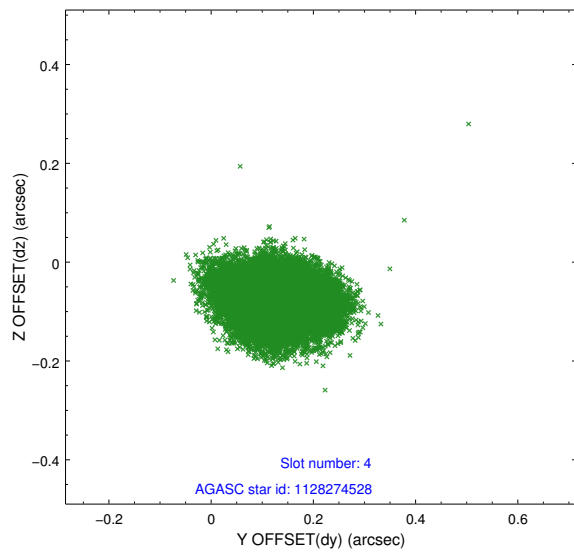
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.18	8944	0.049	0.033	0.011	0.022	0.000000	0.000000	2153.59	1066.44
1	FID	ACIS-I-5	7.23	8948	-0.162	0.023	0.008	0.014	0.000000	0.000000	-1814.54	1064.25
2	FID	ACIS-I-6	7.25	8947	0.013	0.011	0.010	0.018	0.000000	0.000000	399.11	1708.56
3	GUIDE	1128273656	7.65	17892	0.032	0.048	0.075	0.117	154.969776	-57.507105	2016.25	-962.82
4	GUIDE	1128274528	8.25	17891	0.140	-0.077	0.076	0.121	155.154363	-57.169768	1591.15	-2155.71
5	GUIDE	1128407728	7.32	17893	-0.172	-0.009	0.059	0.103	157.011911	-57.198462	-2017.02	-1797.60
6	GUIDE	1128797648	8.30	17893	0.042	-0.005	0.062	0.098	156.581066	-58.327740	-863.51	2187.67
7	GUIDE	1128794896	9.04	17878	-0.046	0.053	0.076	0.119	156.625967	-58.351010	-941.59	2278.09

2.4 Star Slots

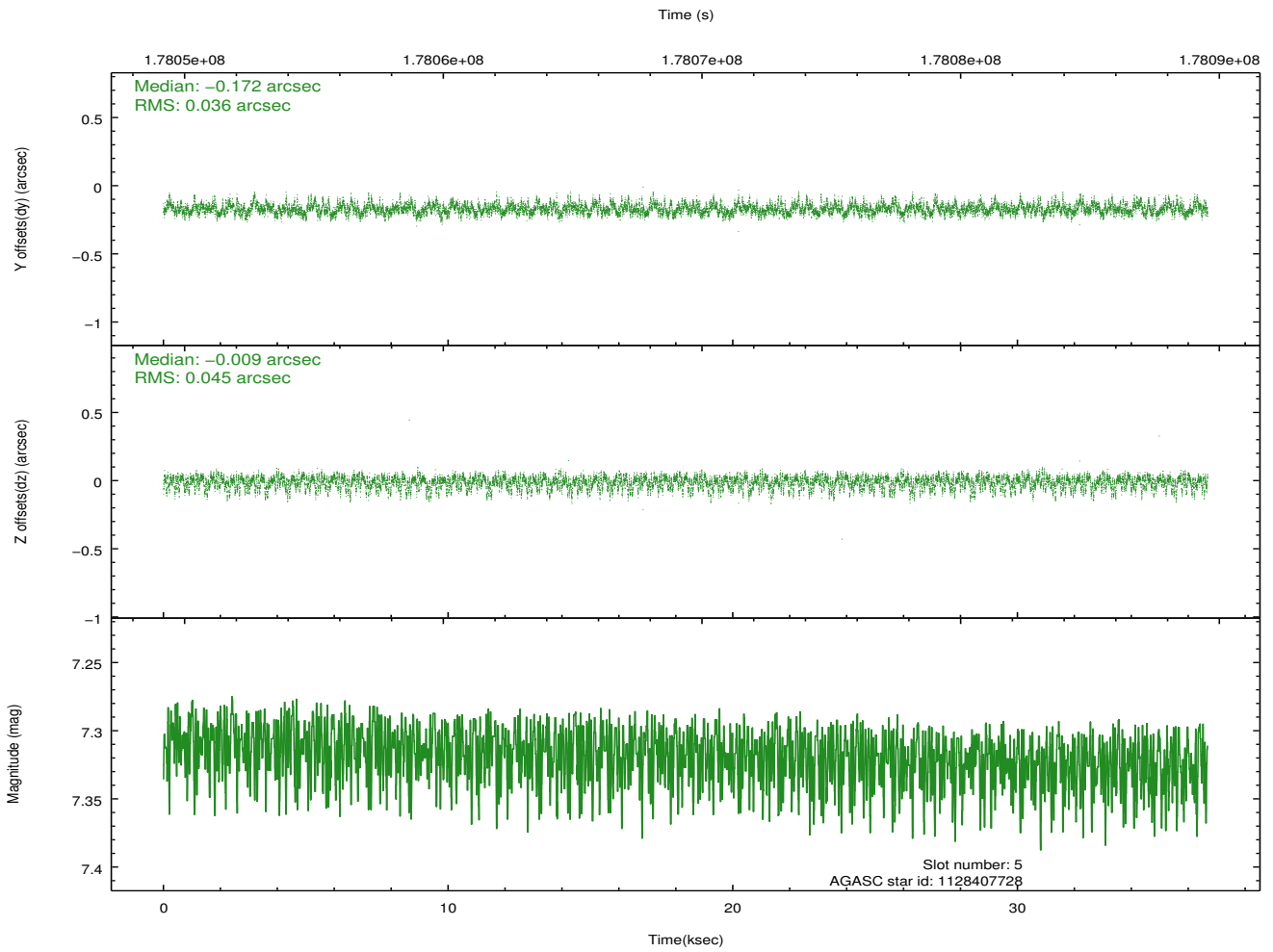
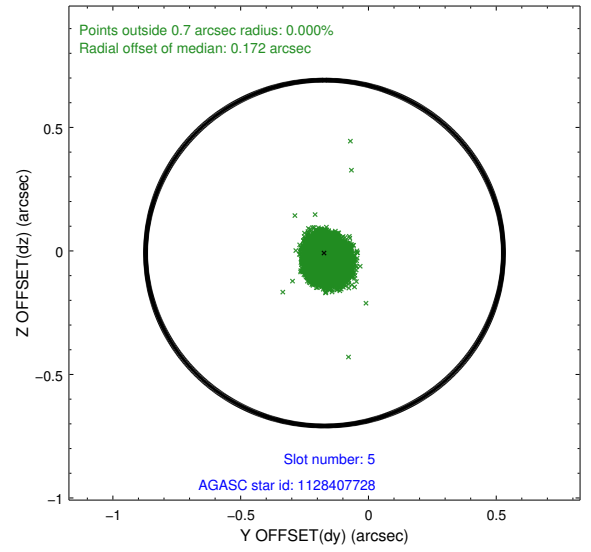
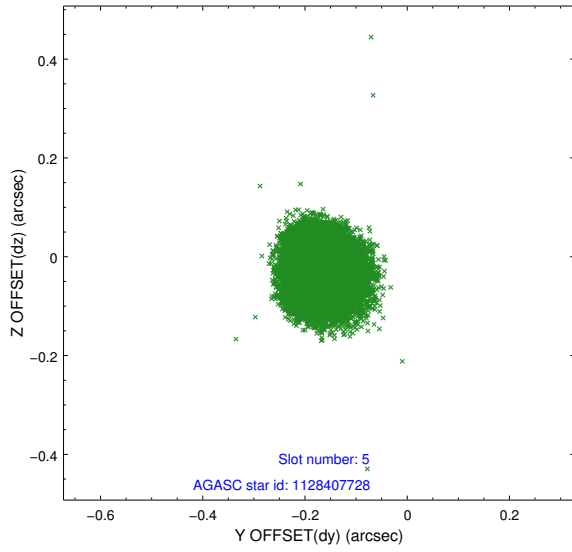
2.4.1 Slot 3



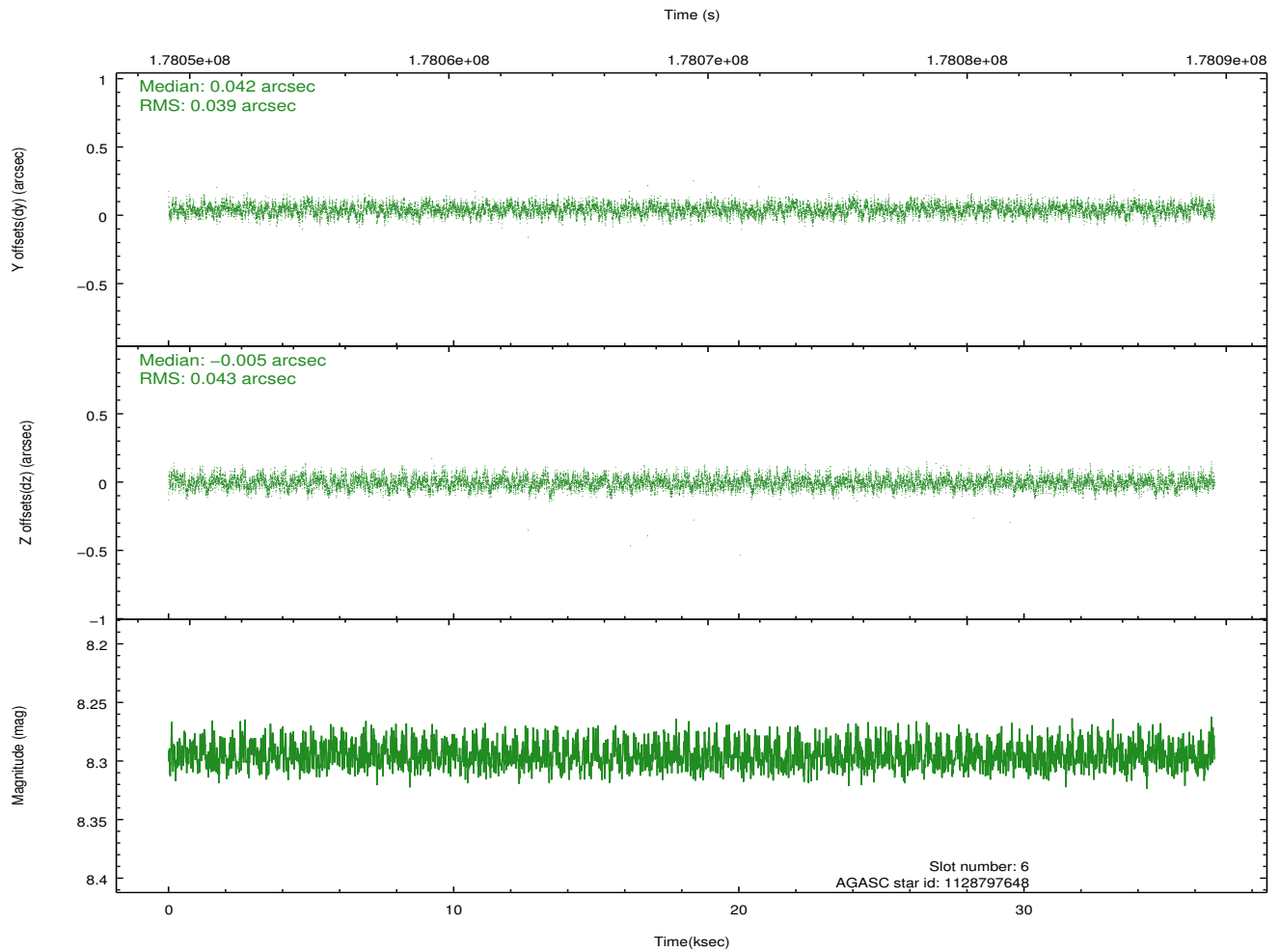
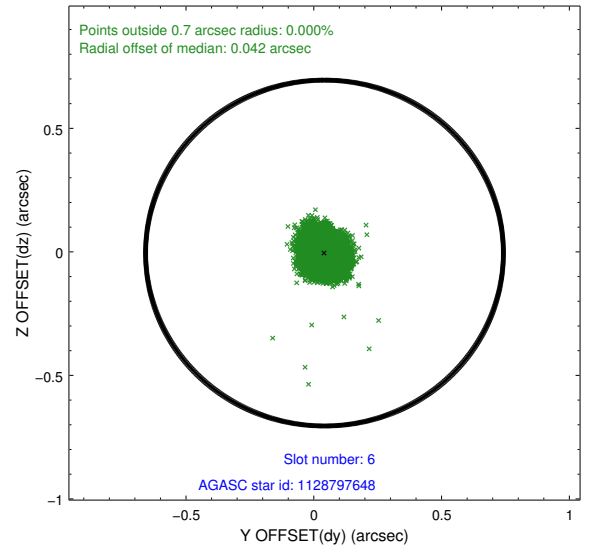
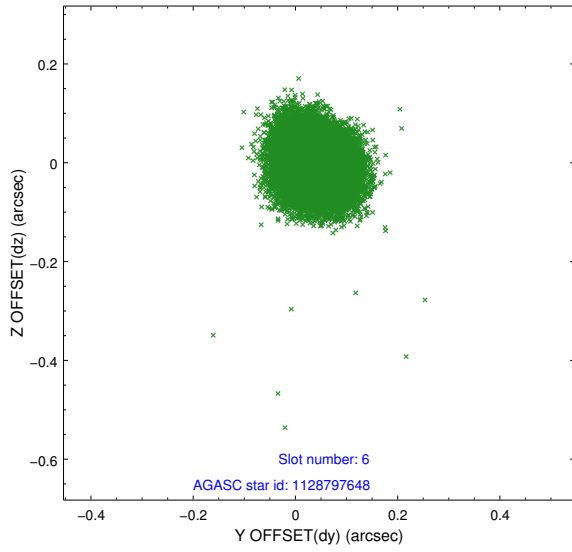
2.4.2 Slot 4



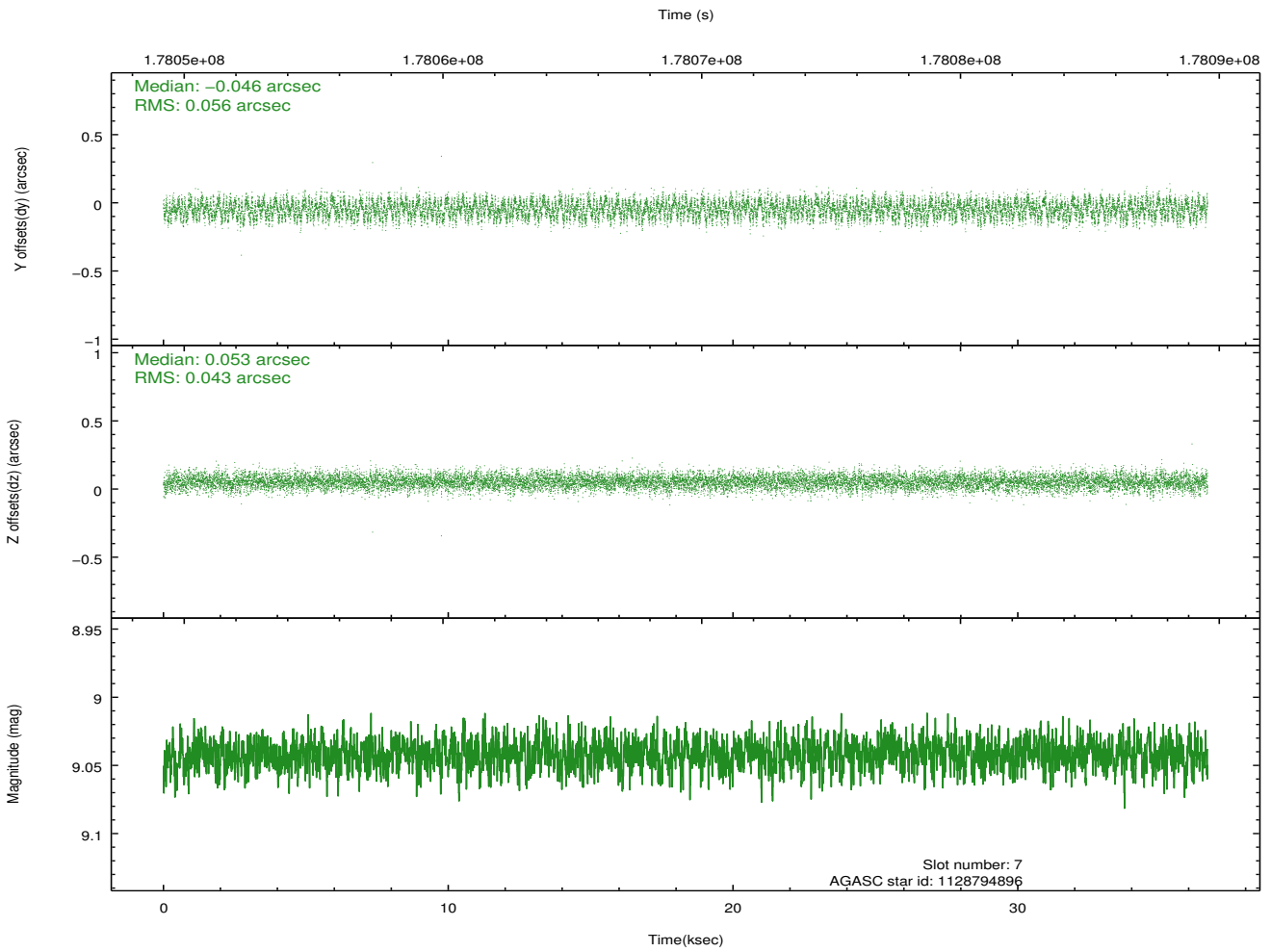
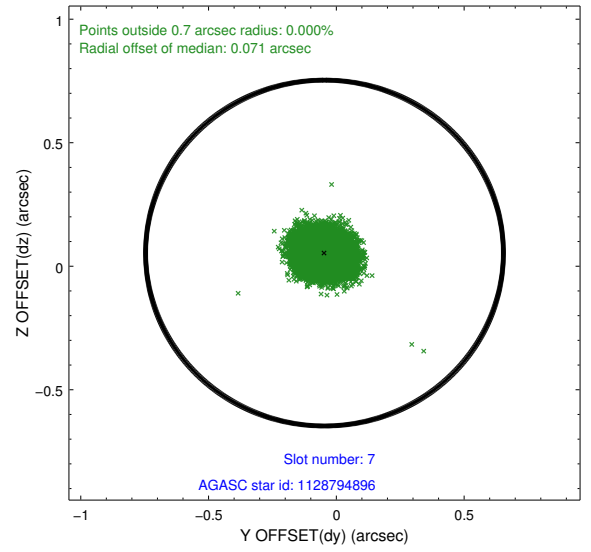
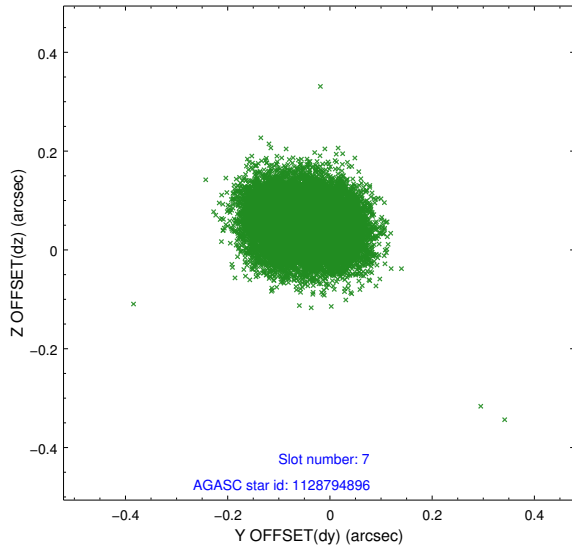
2.4.3 Slot 5



2.4.4 Slot 6

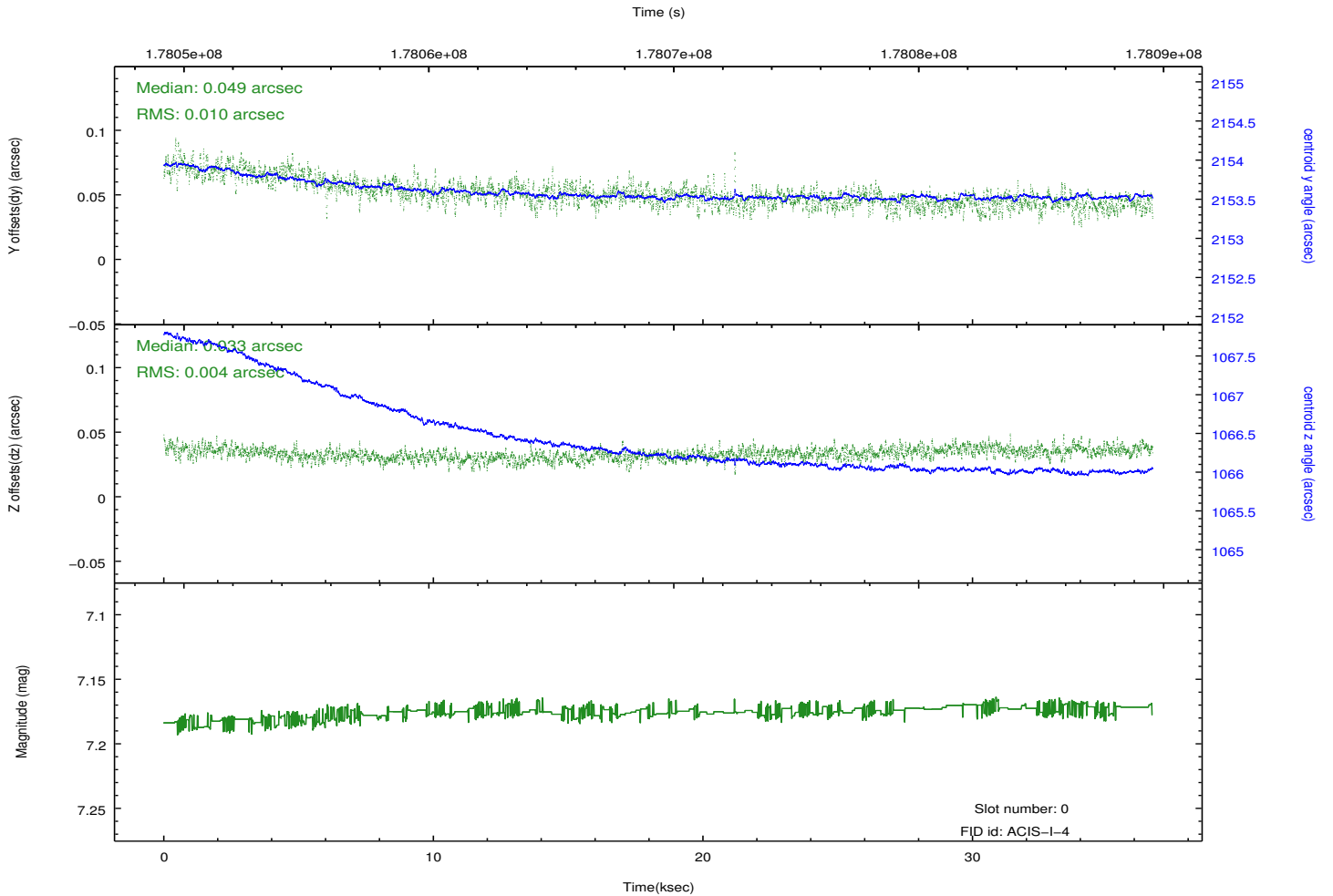
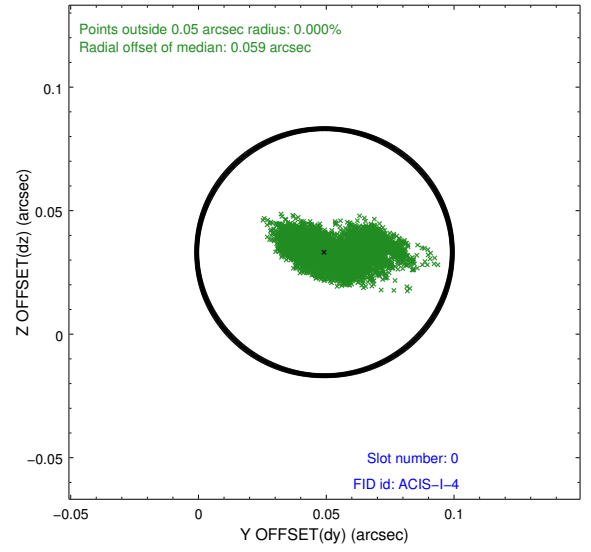
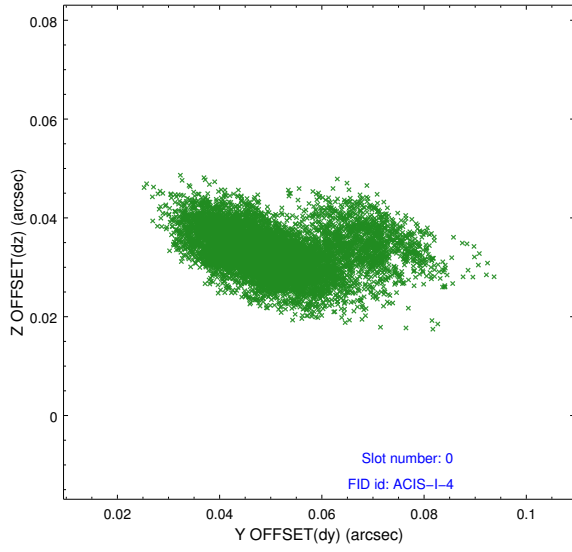


2.4.5 Slot 7

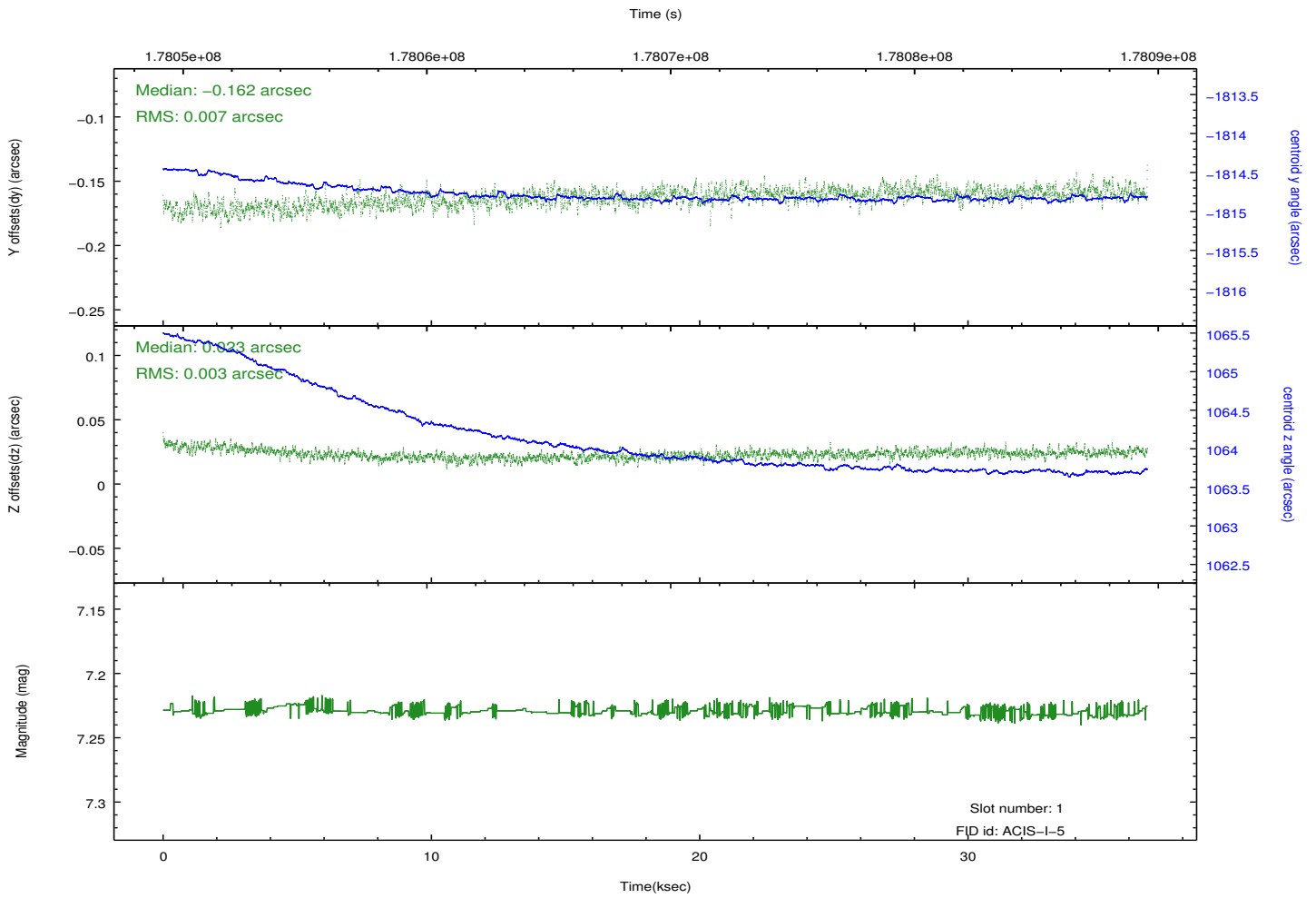
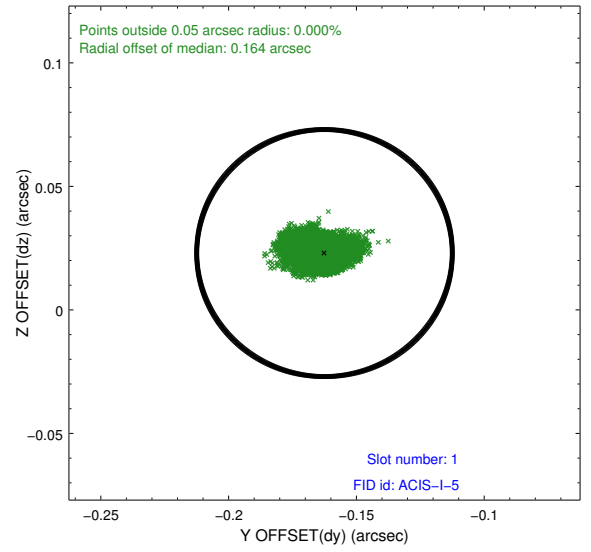
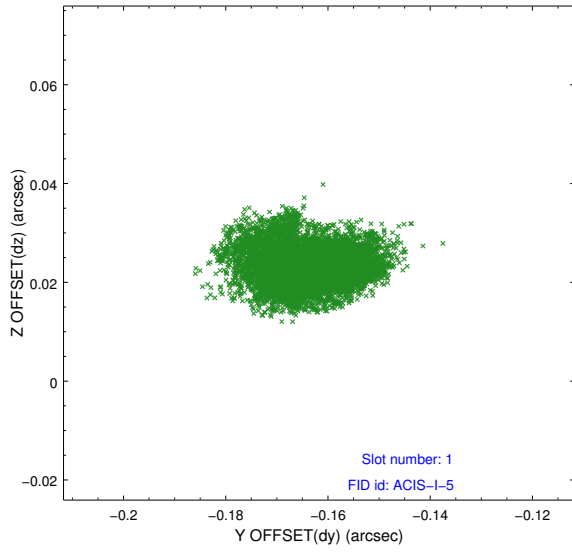


2.5 FID Slots

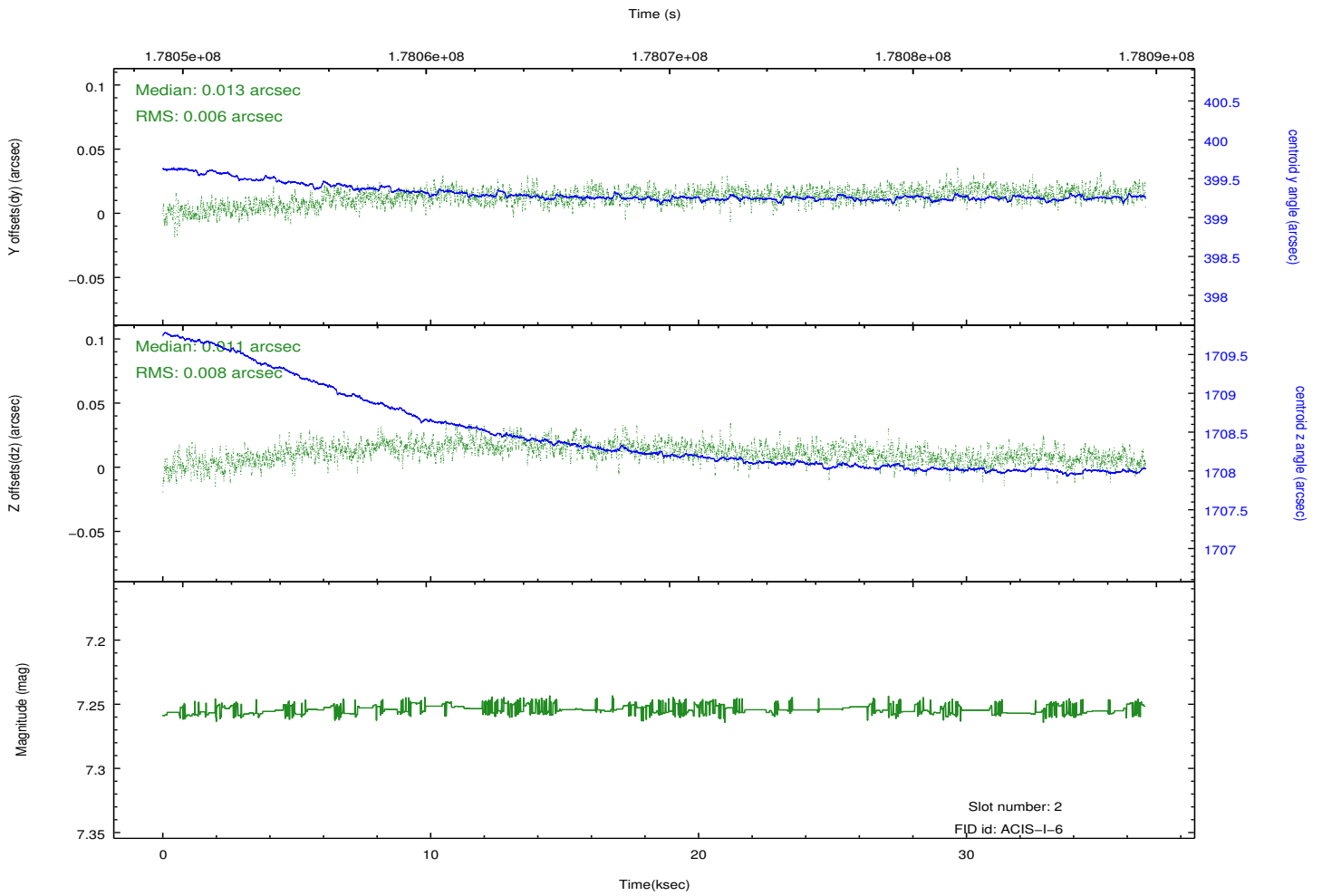
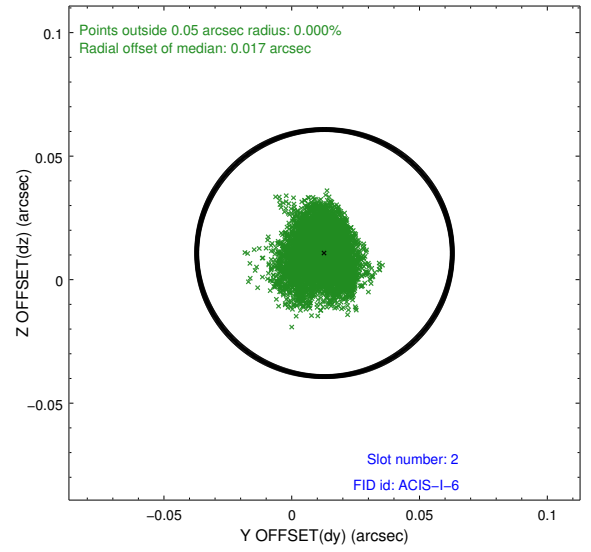
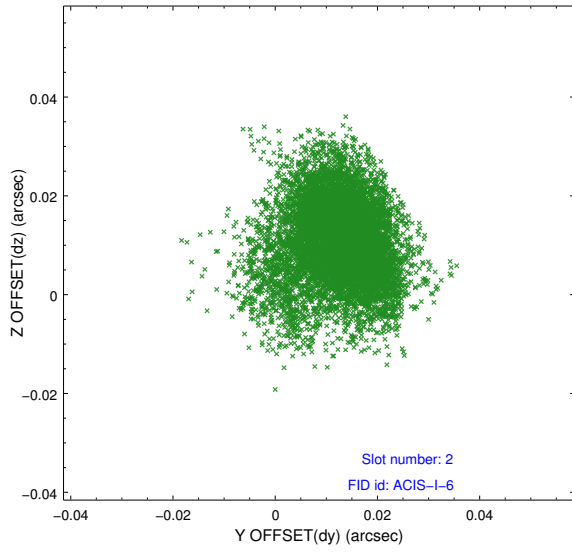
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.655

A.2 Comments