

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 431 - L2 Version 3
Chandra X-Ray Center

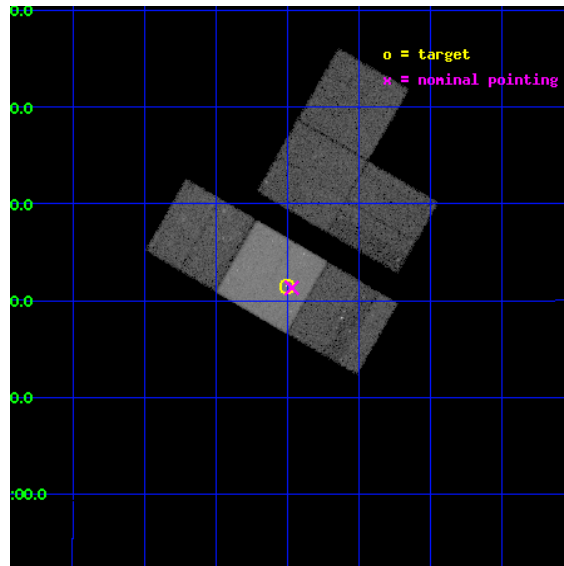
L2 Processing Date : Sep 1 2012

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1 Front

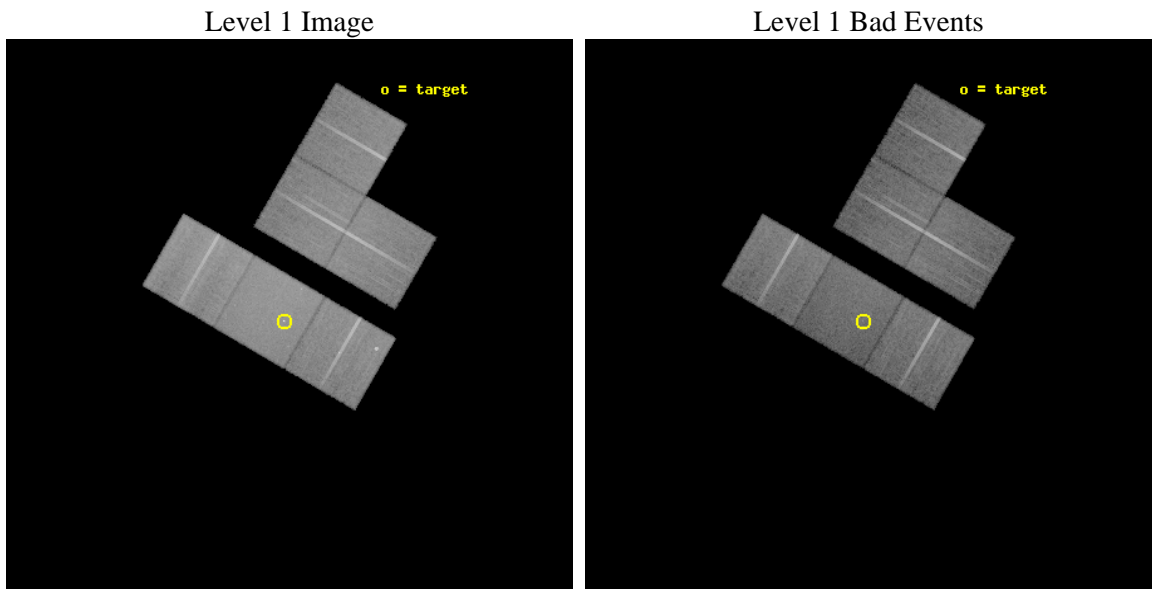
seq_num	700103	Sequence number
obs_id	431	Observation id
title	A SURVEY OF GRAVITATIONALLY LENSED QUASARS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	EINSTEIN CROSS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.12625	Observer's specified target RA [deg]
dec_targ	3.358611	Observer's specified target Dec [deg]
ra_nom	340.11692356388	Nominal RA [deg]
dec_nom	3.355265606942	Nominal Dec [deg]
roll_nom	210.1228376013	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30675.200028554	Sum of GTIs [s]
livetime	30286.772175404	Livetime [s]
ontime1	30675.200028554	Sum of GTIs [s]
ontime2	30671.959058315	Sum of GTIs [s]
ontime3	30675.200028554	Sum of GTIs [s]
ontime6	30671.959058315	Sum of GTIs [s]
ontime7	30675.200028554	Sum of GTIs [s]
ontime8	30671.959058315	Sum of GTIs [s]
l2events	211365	Number of level 2 events



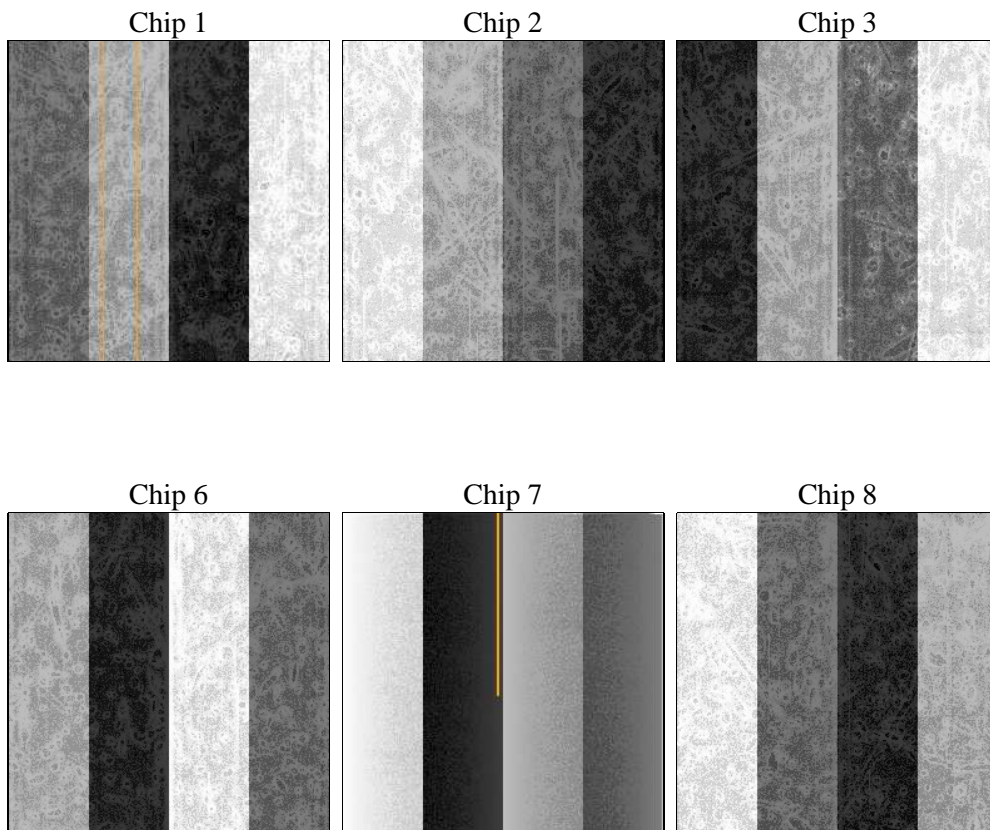
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30675.200028554	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime1	30675.200028554	Sum of GTIs [s]
date	2012-09-01T15:58:43	Date and time of file creation	ontime2	30671.959058315	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	30675.200028554	Sum of GTIs [s]
			ontime6	30671.959058315	Sum of GTIs [s]
			ontime7	30675.200028554	Sum of GTIs [s]
			ontime8	30671.959058315	Sum of GTIs [s]
			l1events	1211189	Number of level 1 events

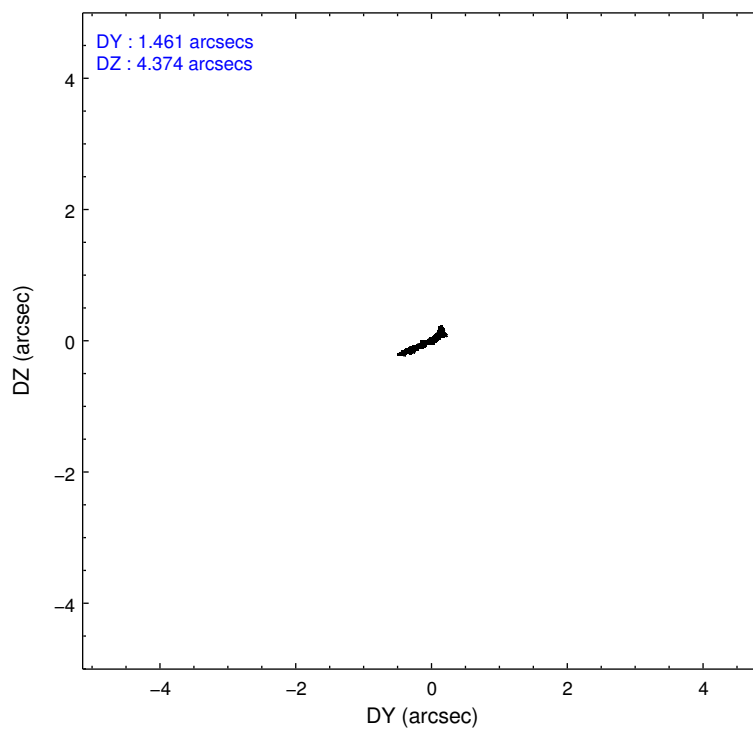
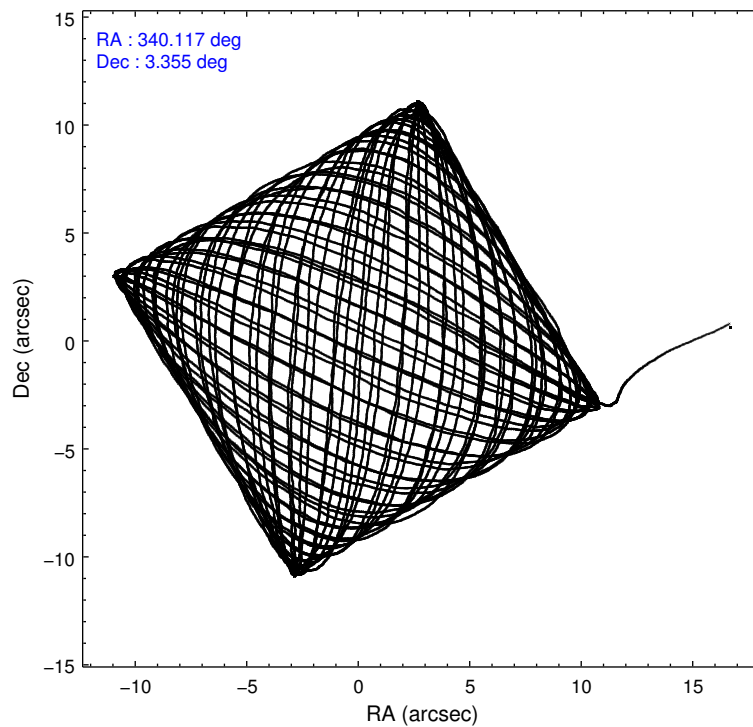
2.1.4 Events

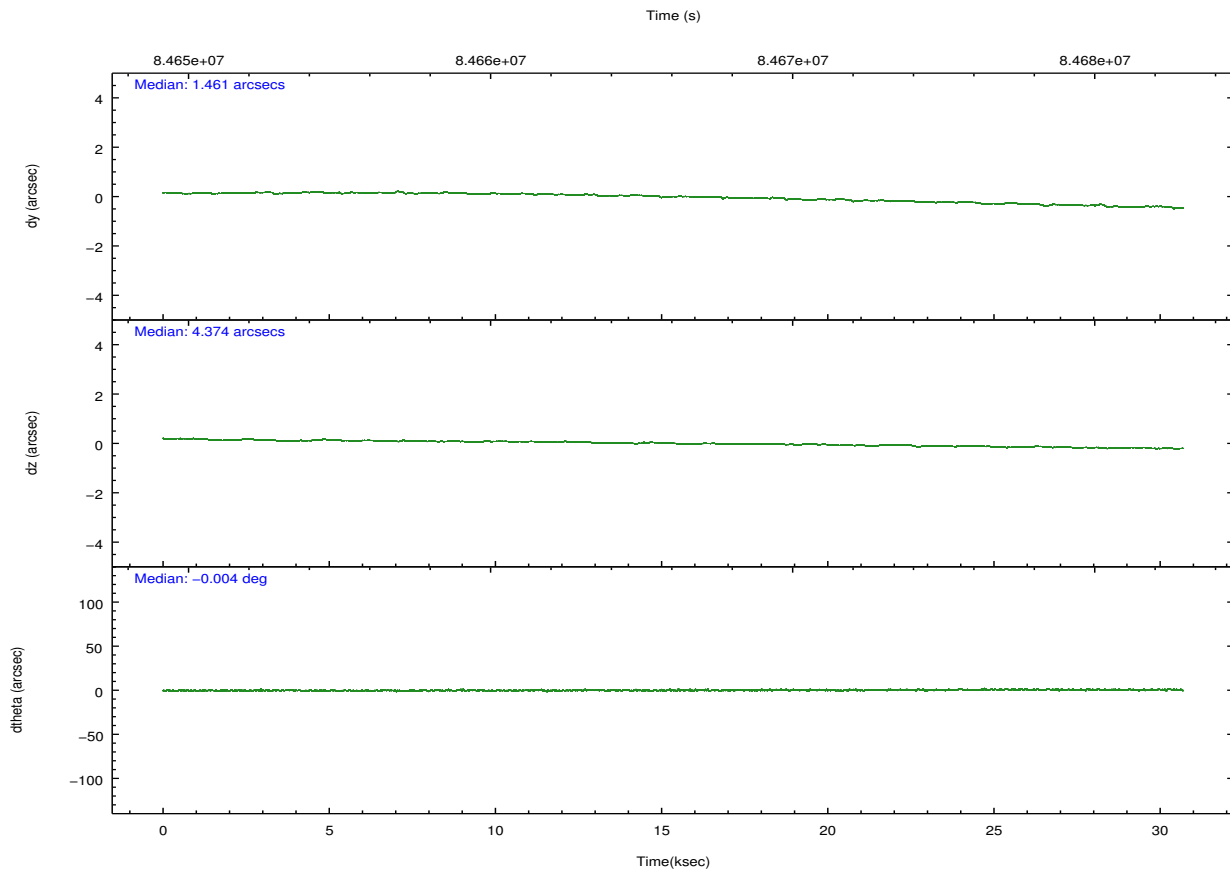
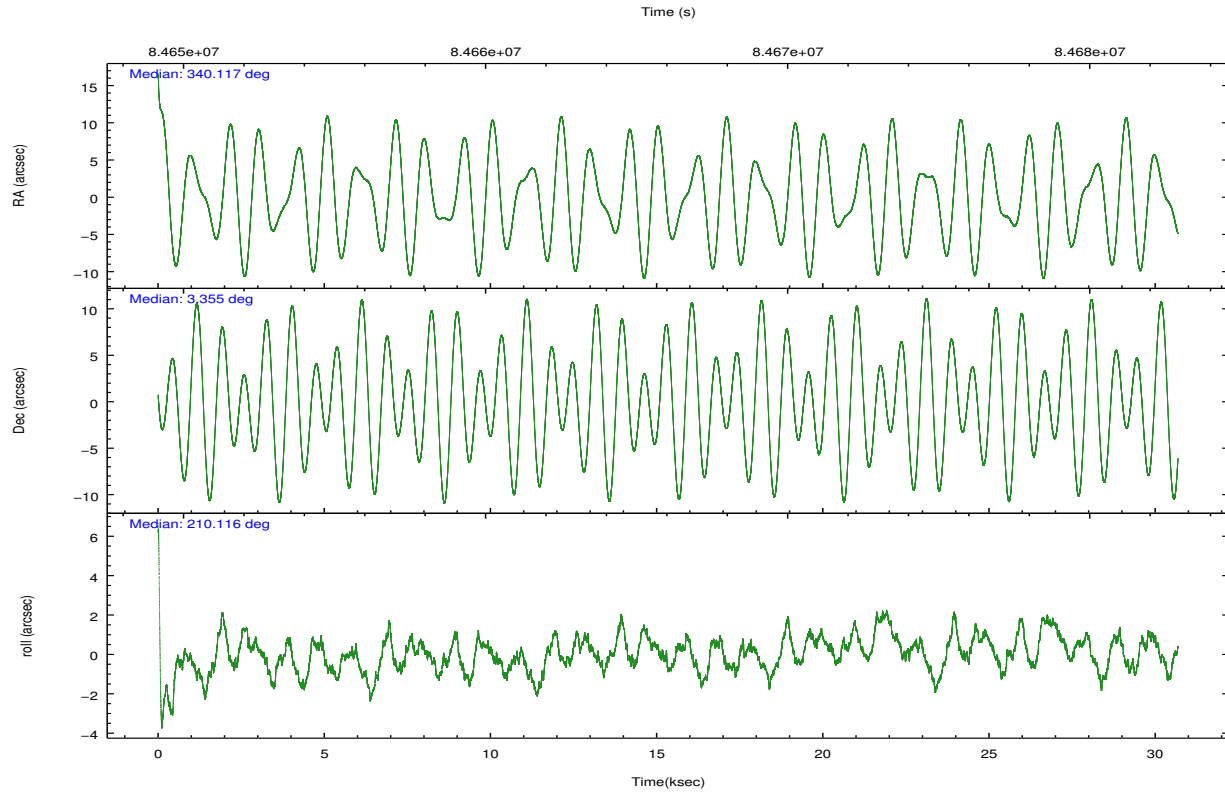
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	175381	184141	181703	192402	233831	243731	grade 0 events	10456	9728	10651	13584	10629	20492
rejected events	150081	161311	157608	164598	130504	186815		5%	5%	5%	7%	4%	8%
rejected %	85%	87%	86%	85%	55%	76%	grade 1 events	81	74	75	112	205	177
								0%	0%	0%	0%	0%	0%
							grade 2 events	5671	5161	5285	5465	20413	11696
								3%	2%	2%	2%	8%	4%
							grade 3 events	2266	1917	2023	2130	9369	6350
								1%	1%	1%	1%	4%	2%
							grade 4 events	2322	2042	2014	2154	9371	5824
								1%	1%	1%	1%	4%	2%
							grade 5 events	6741	5835	6507	7247	21889	9314
								3%	3%	3%	3%	9%	3%
							grade 6 events	4630	4007	4158	4520	53675	12606
								2%	2%	2%	2%	22%	5%
							grade 7 events	143214	155377	150990	157190	108280	177272
								81%	84%	83%	81%	46%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	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	340.130411	340.1169235638774	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.379091	3.355265606941966	Alternating exposures requested	N	N
[deg] Pointing Roll	209.965419	210.1228376013024	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	84650881.184000	84649793.43272901			
Observation start date	2000-09-06T18:06:57	2000-09-06T17:49:53			
[s] Observation end time (MET)	84681381.184000	84682503.23395801			
Observation end date	2000-09-07T02:35:17	2000-09-07T02:55:03			
Read mode	TIMED	TIMED			

2.3 Aspect



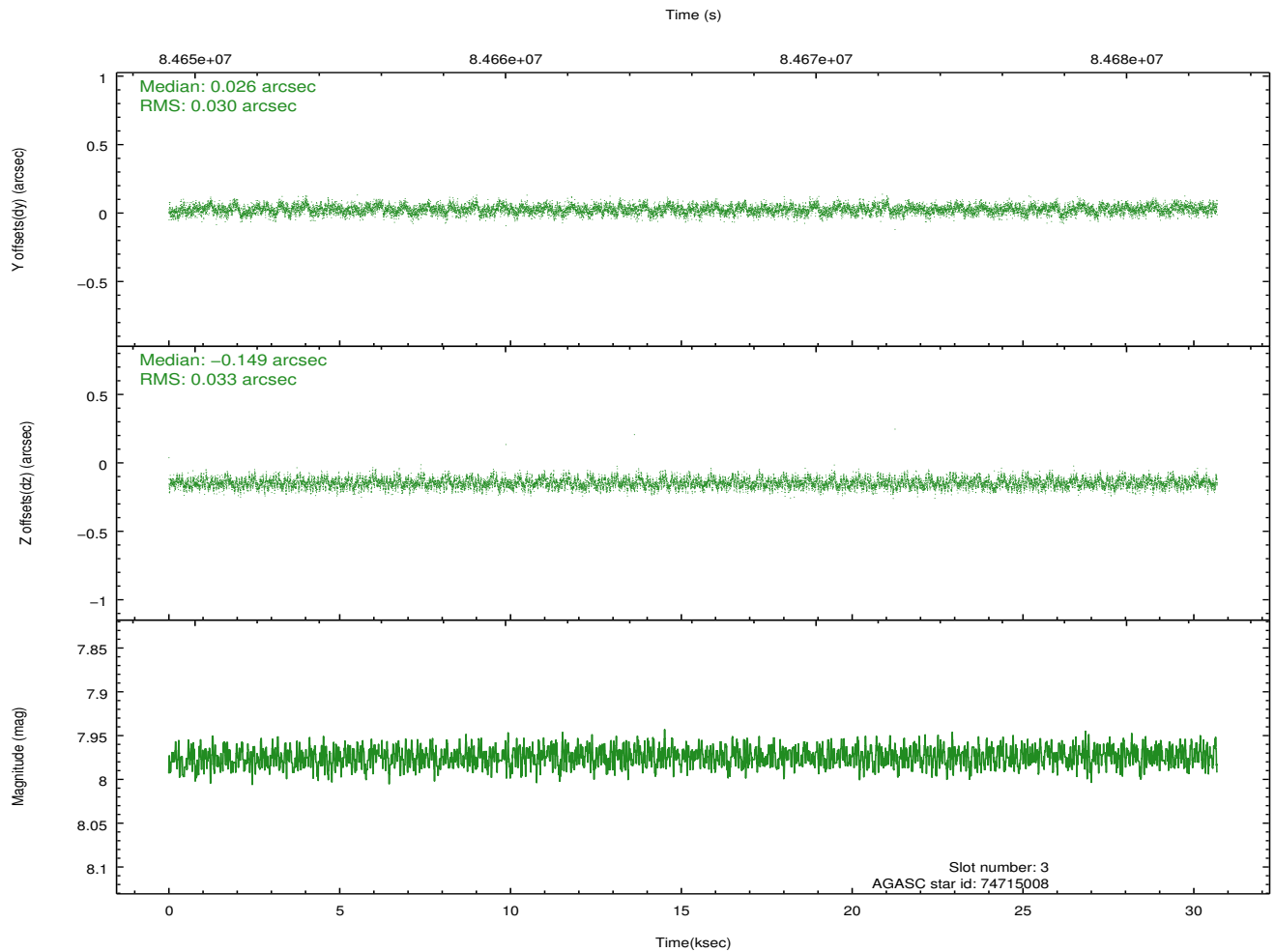
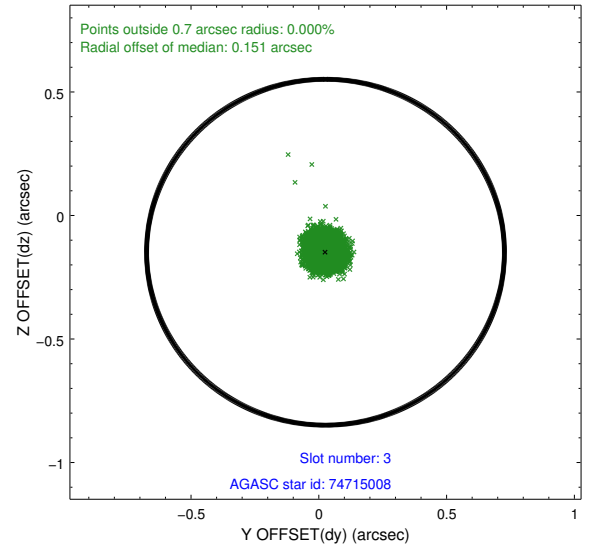
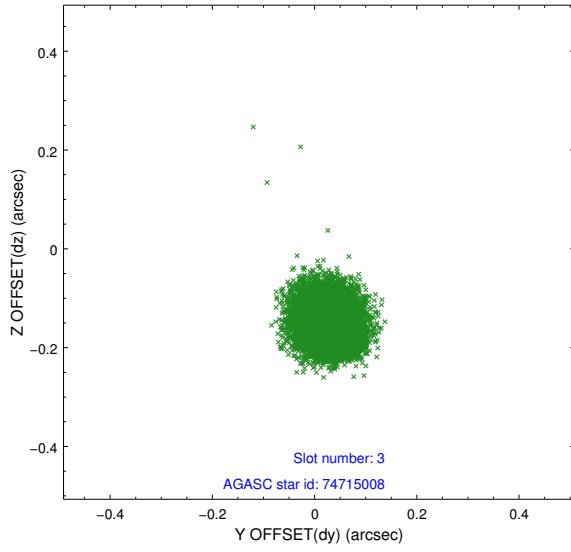


Slot Statistics

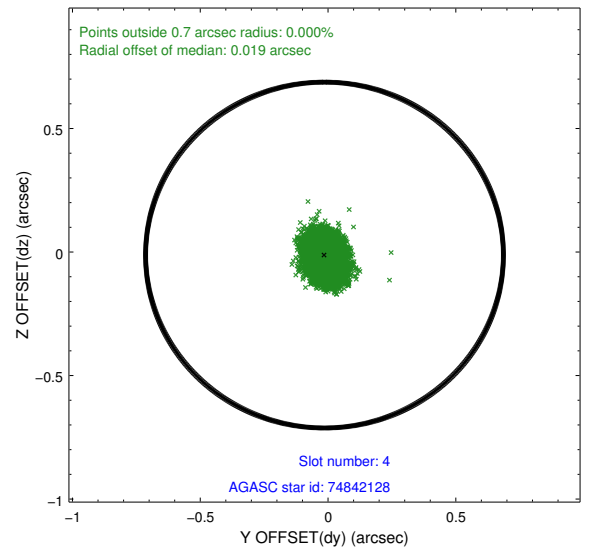
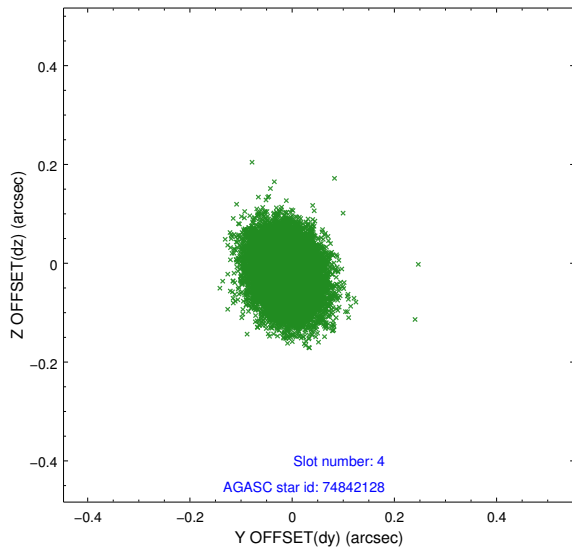
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7482	-0.010	-0.006	0.009	0.028	0.000000	0.000000	-754.03	-1725.41
1	FID	ACIS-S-3	7.37	7482	-0.019	-0.009	0.011	0.018	0.000000	0.000000	59.06	-1854.72
2	FID	ACIS-S-4	7.20	7483	0.002	0.017	0.007	0.028	0.000000	0.000000	2159.35	182.99
3	GUIDE	74715008	7.97	14964	0.026	-0.149	0.048	0.076	339.956848	3.242441	786.35	114.90
4	GUIDE	74842128	8.52	14962	-0.014	-0.012	0.061	0.099	340.118134	3.132788	481.30	746.58
5	GUIDE	74723224	8.71	14960	0.006	0.132	0.058	0.096	339.594650	3.574222	1317.00	-1569.81
6	GUIDE	74855640	8.85	14960	-0.029	0.059	0.069	0.111	340.341123	3.746937	-1316.88	-769.04
7	GUIDE	74842752	9.48	14956	0.011	-0.029	0.095	0.150	340.751816	3.211667	-1634.39	1637.31

2.4 Star Slots

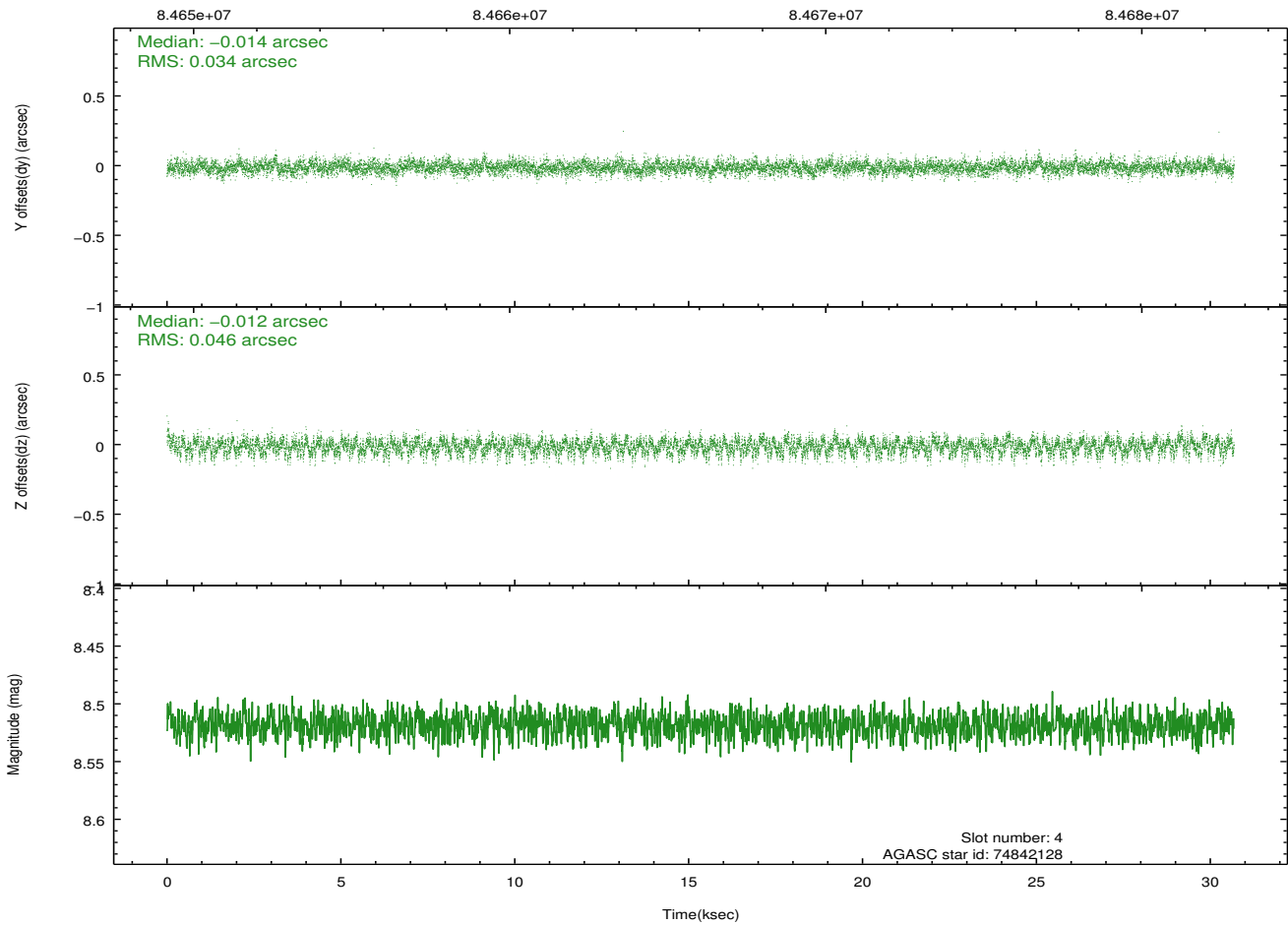
2.4.1 Slot 3



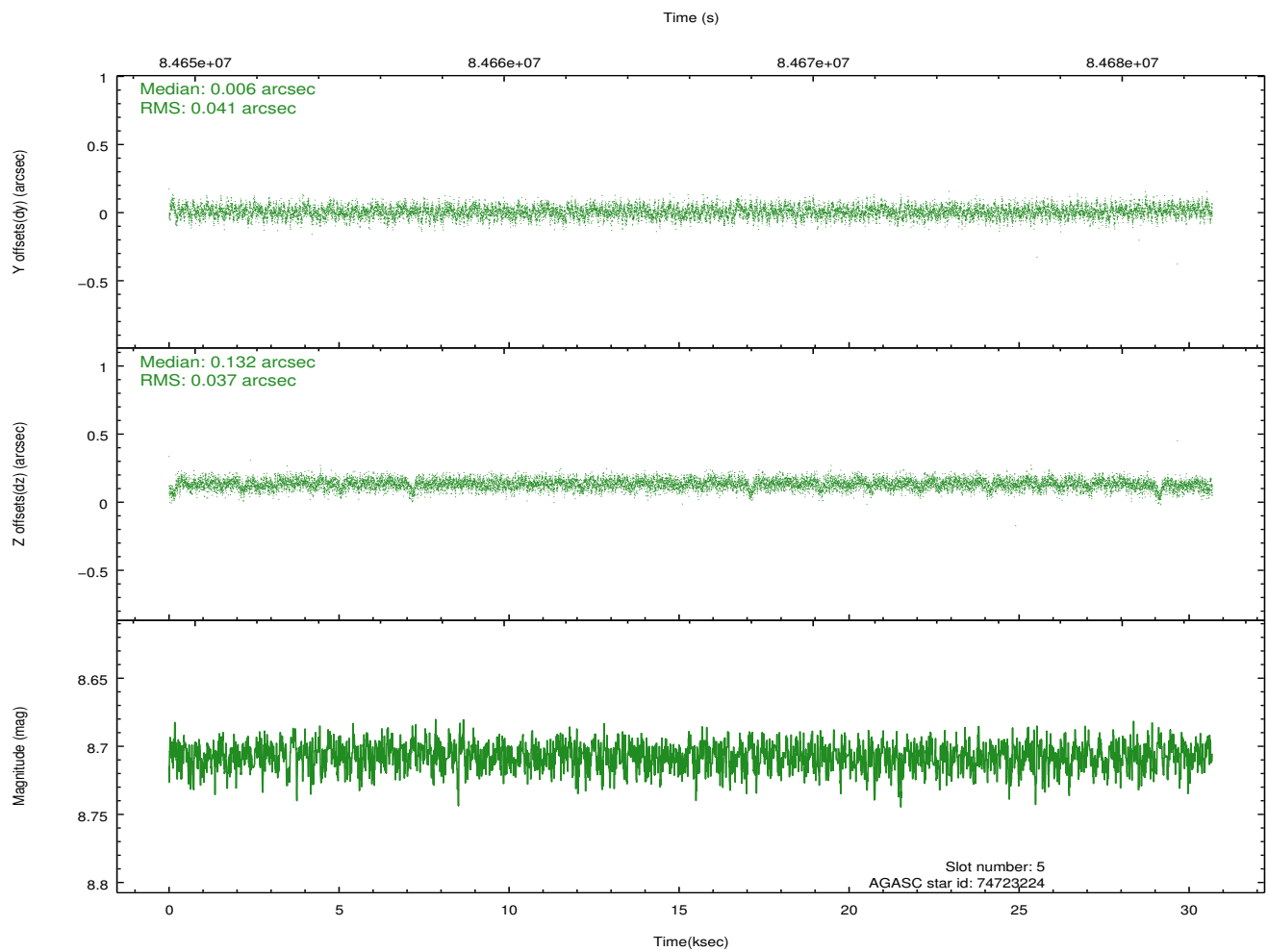
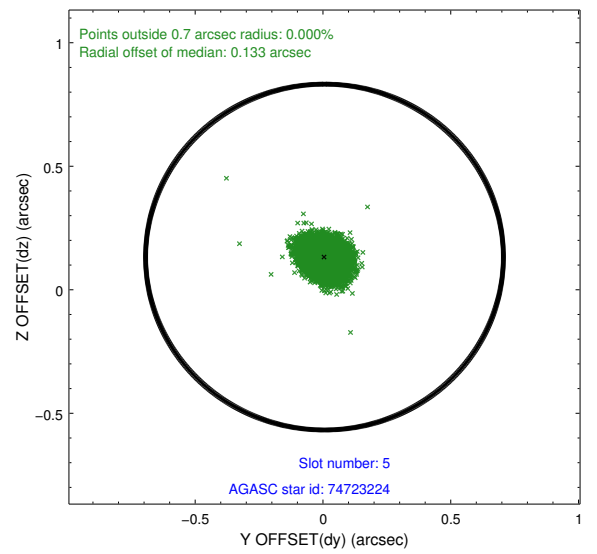
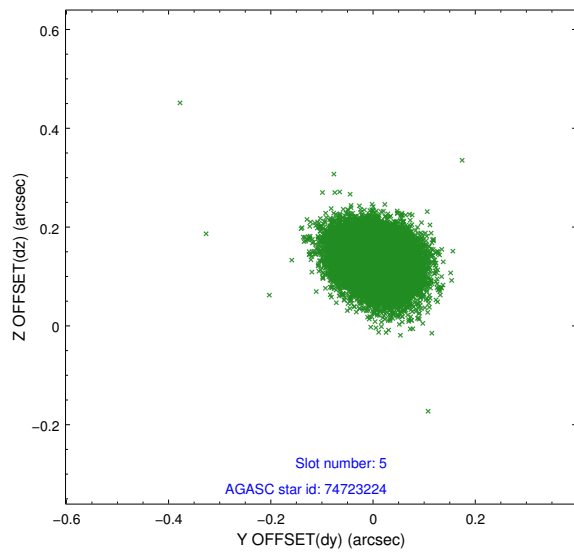
2.4.2 Slot 4



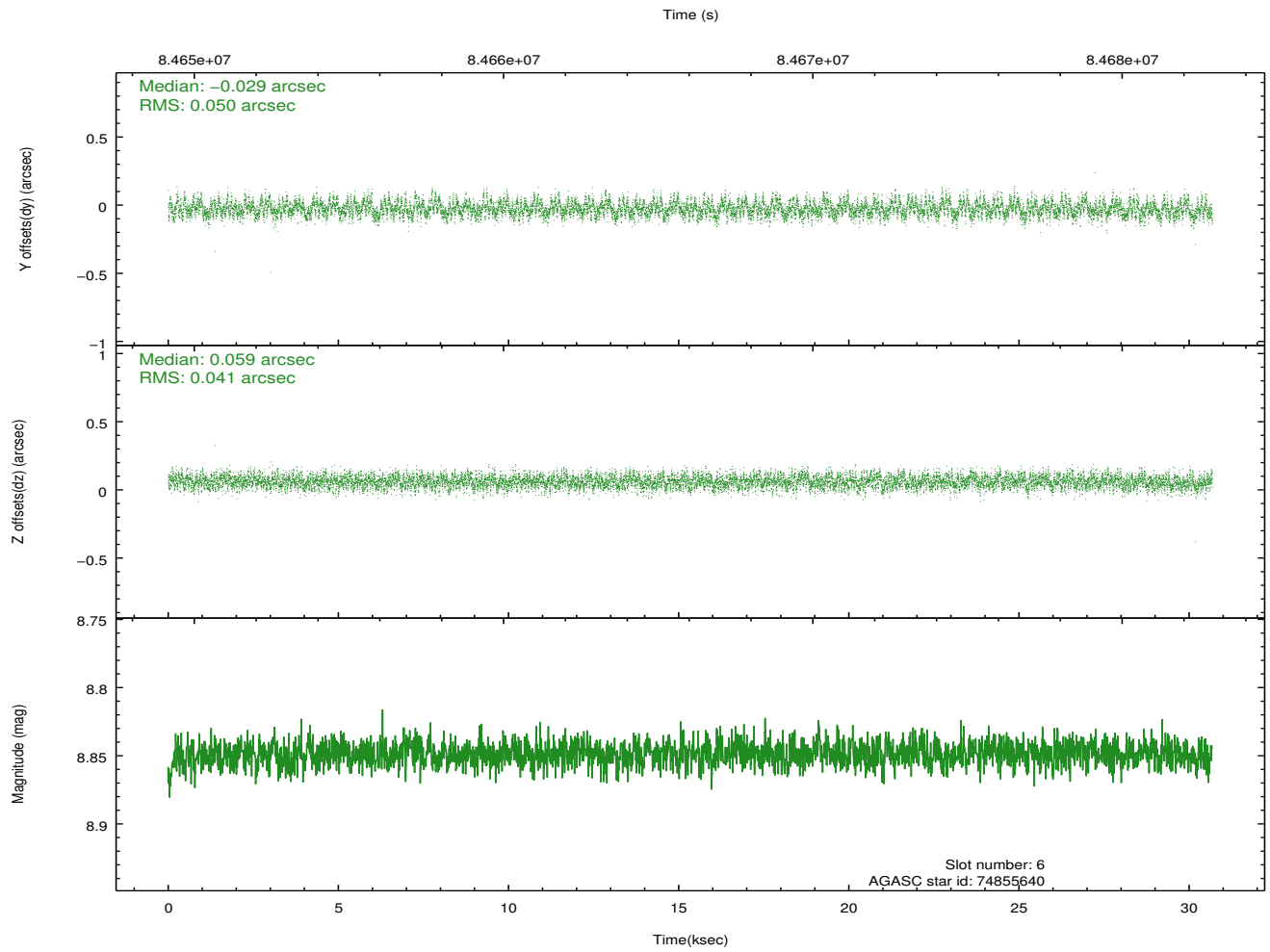
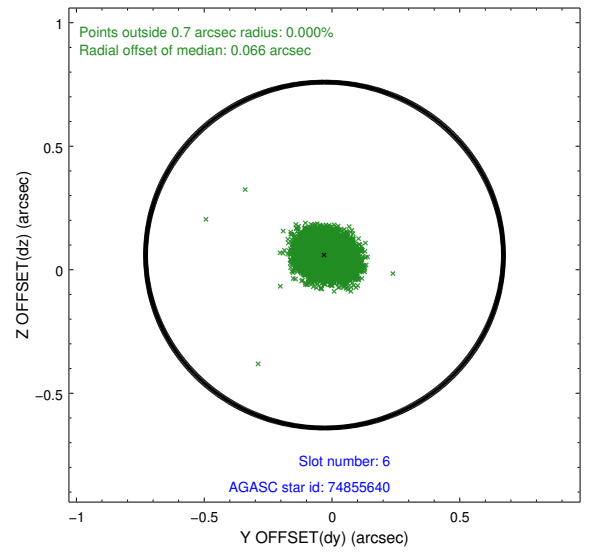
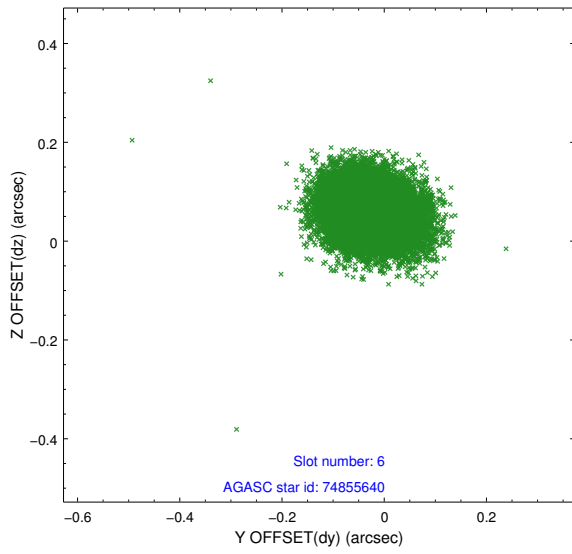
Time (s)



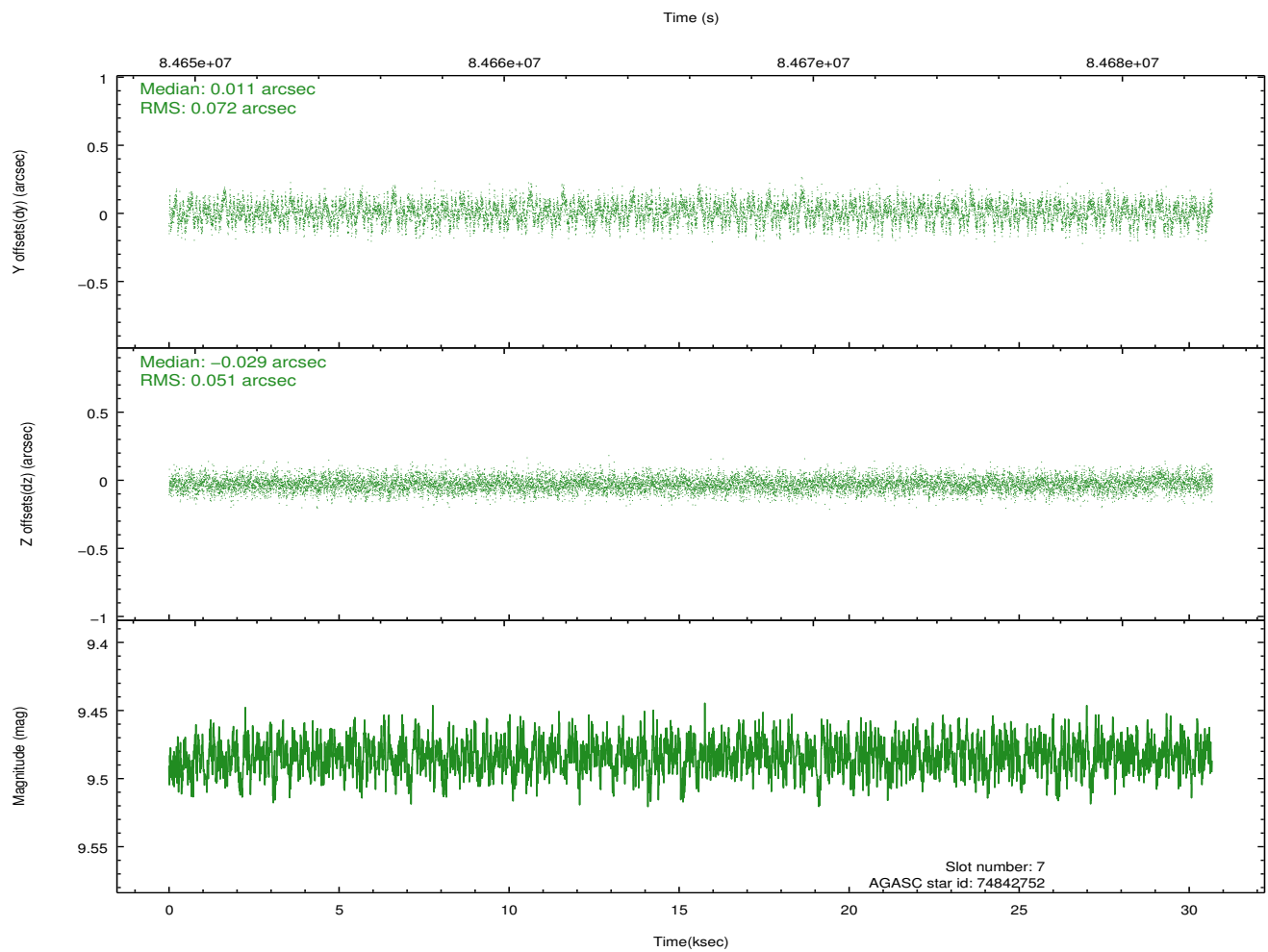
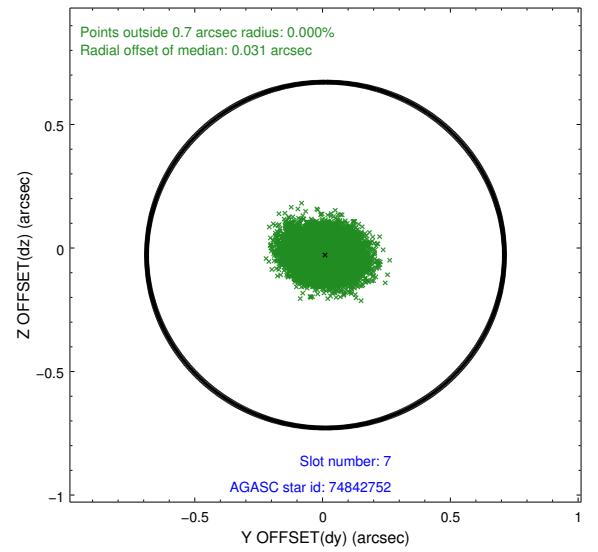
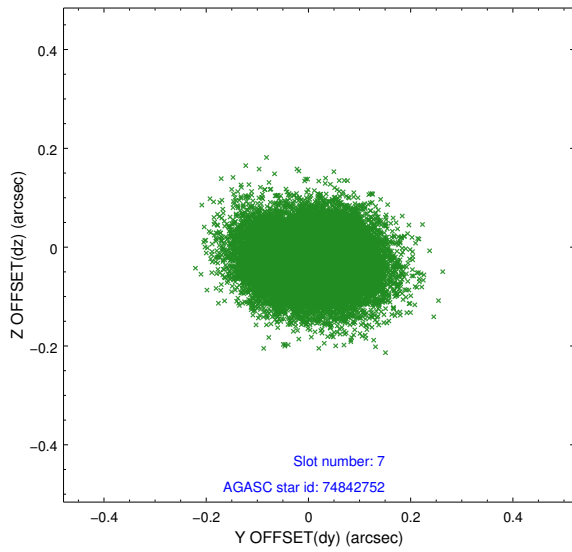
2.4.3 Slot 5



2.4.4 Slot 6

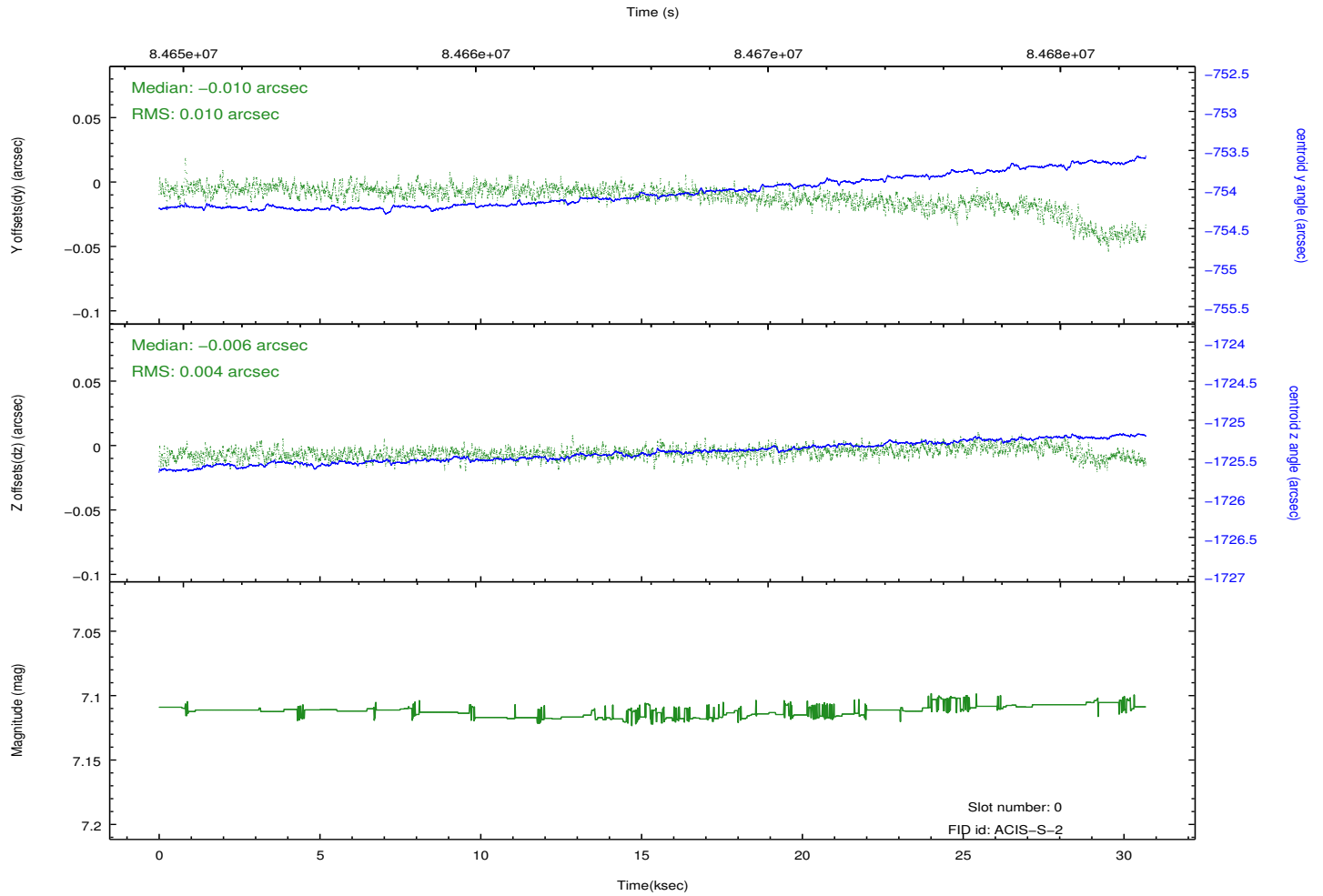
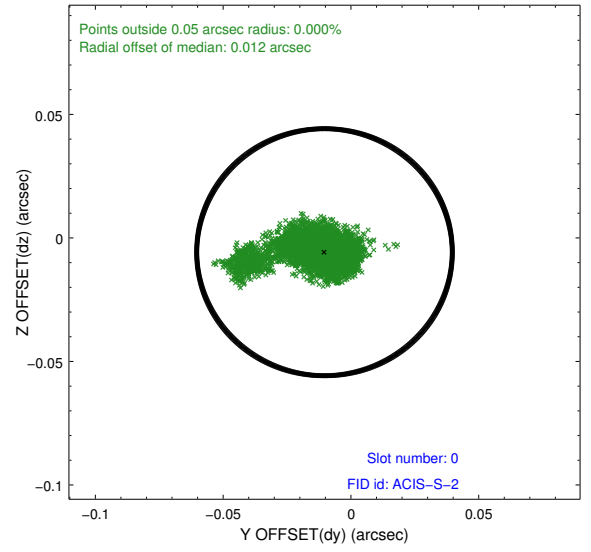
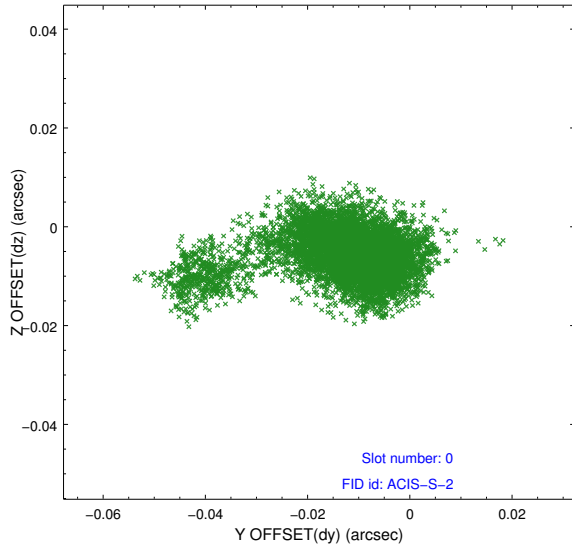


2.4.5 Slot 7

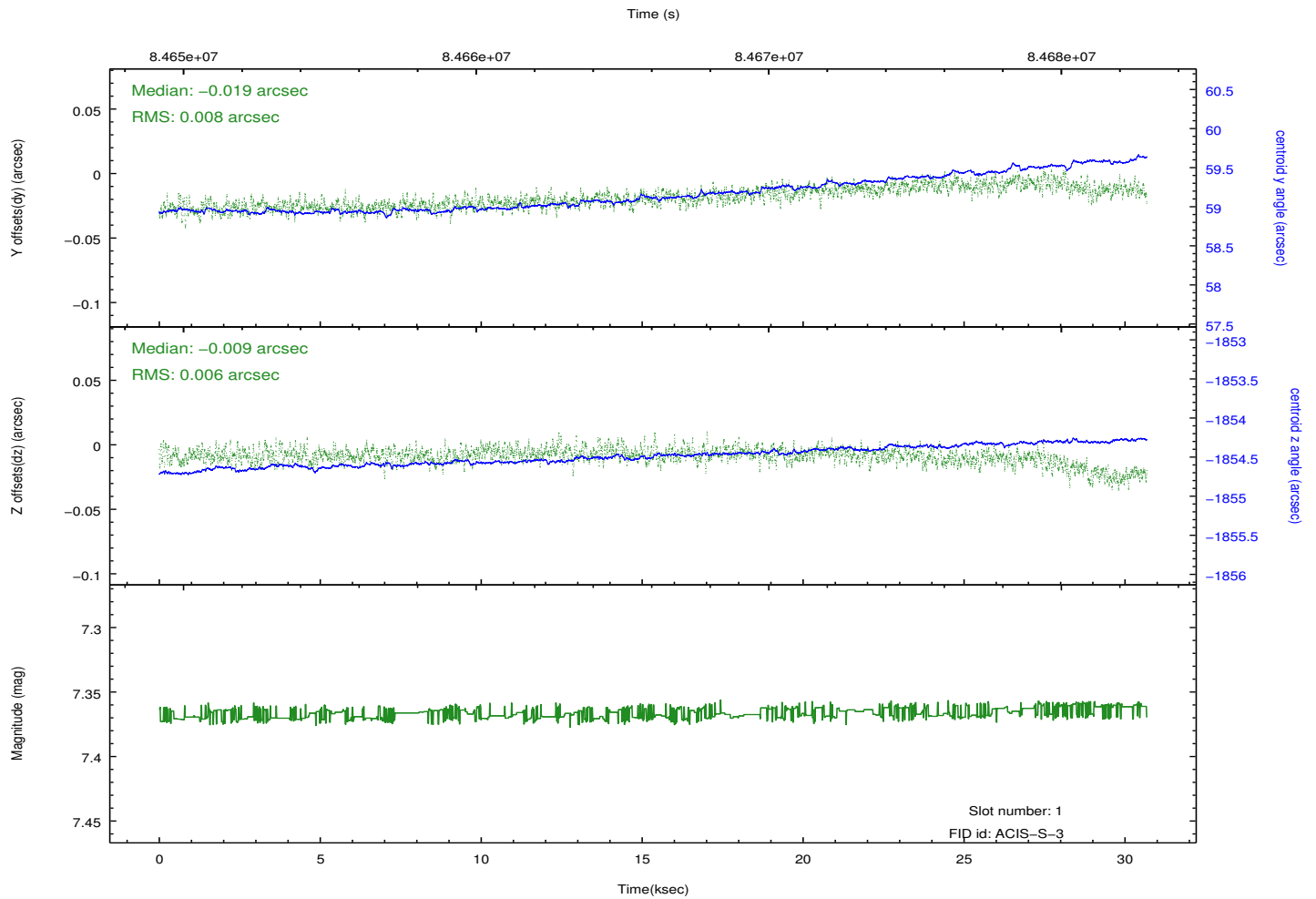
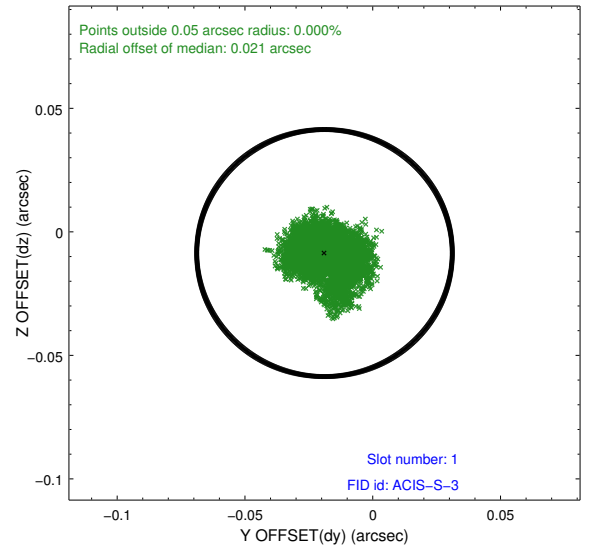
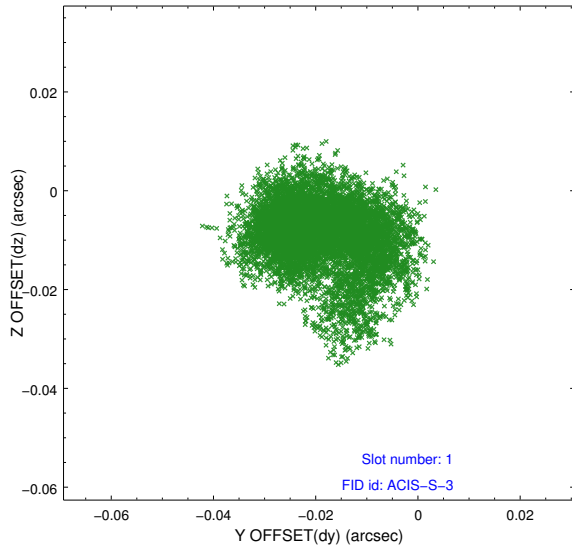


2.5 FID Slots

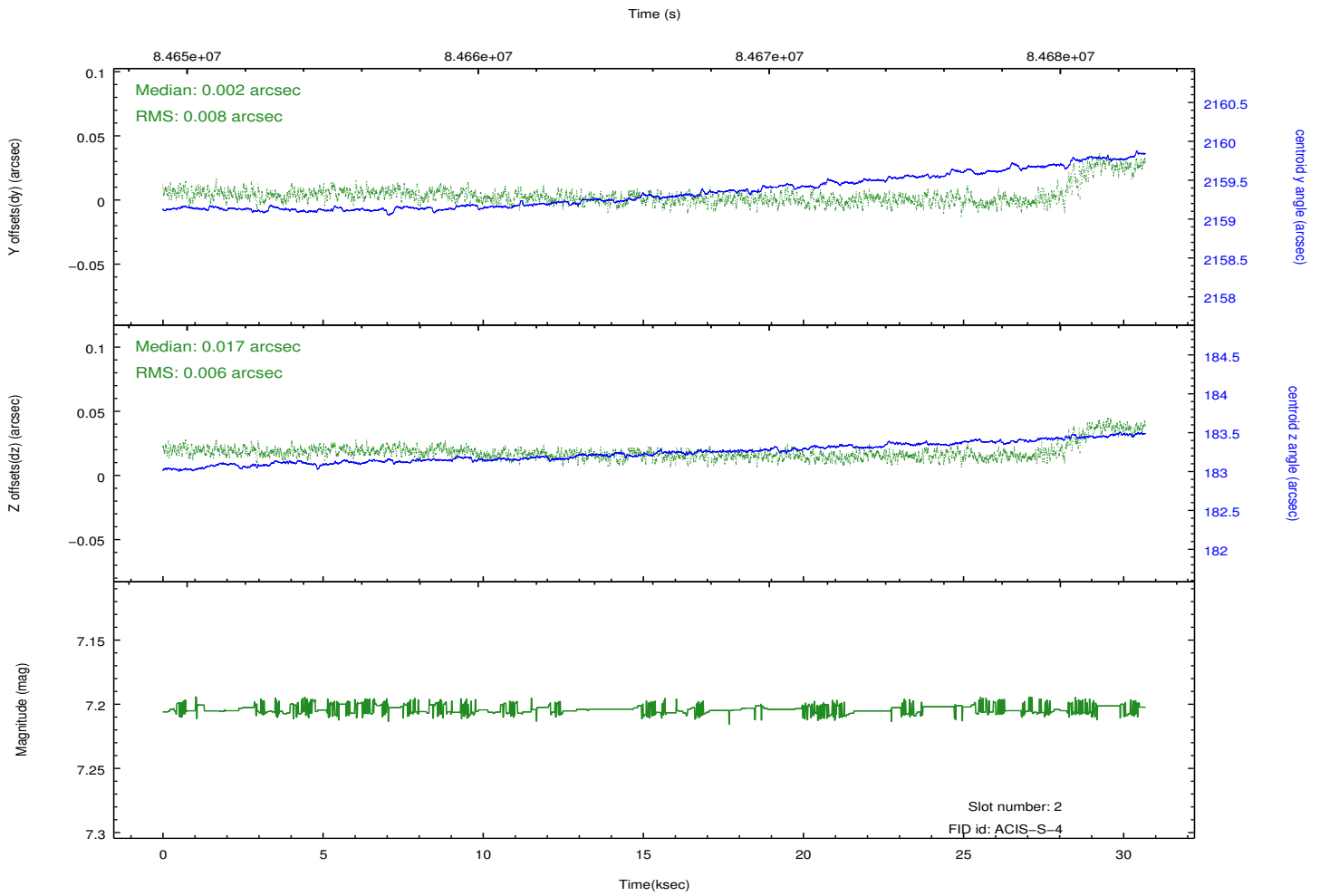
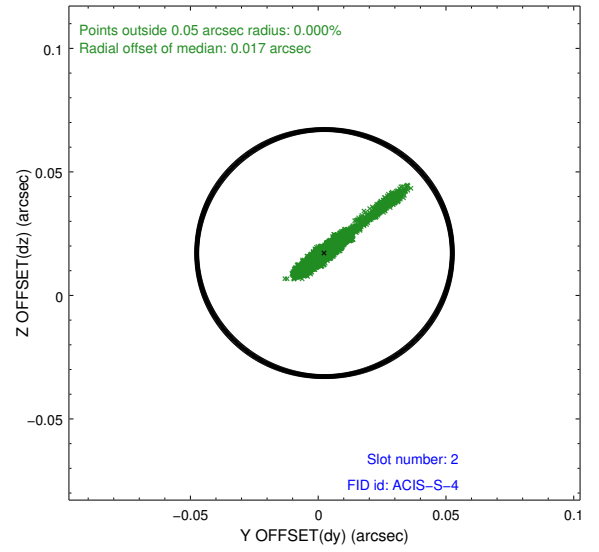
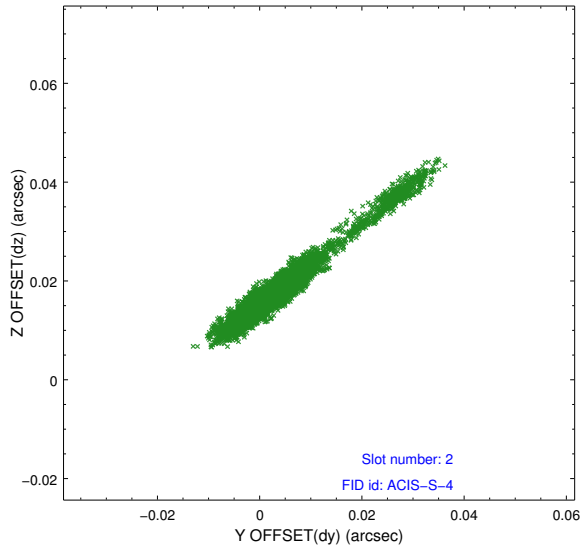
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.675

A.2 Comments