

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4476 - L2 Version 3
Chandra X-Ray Center

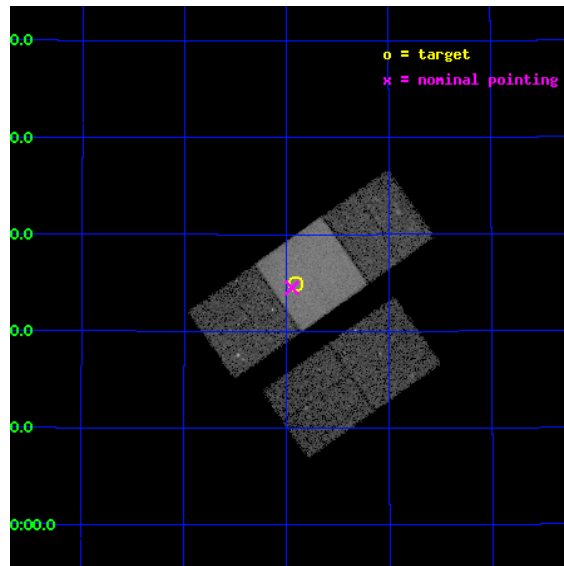
L2 Processing Date : Nov 9 2012

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1 Front

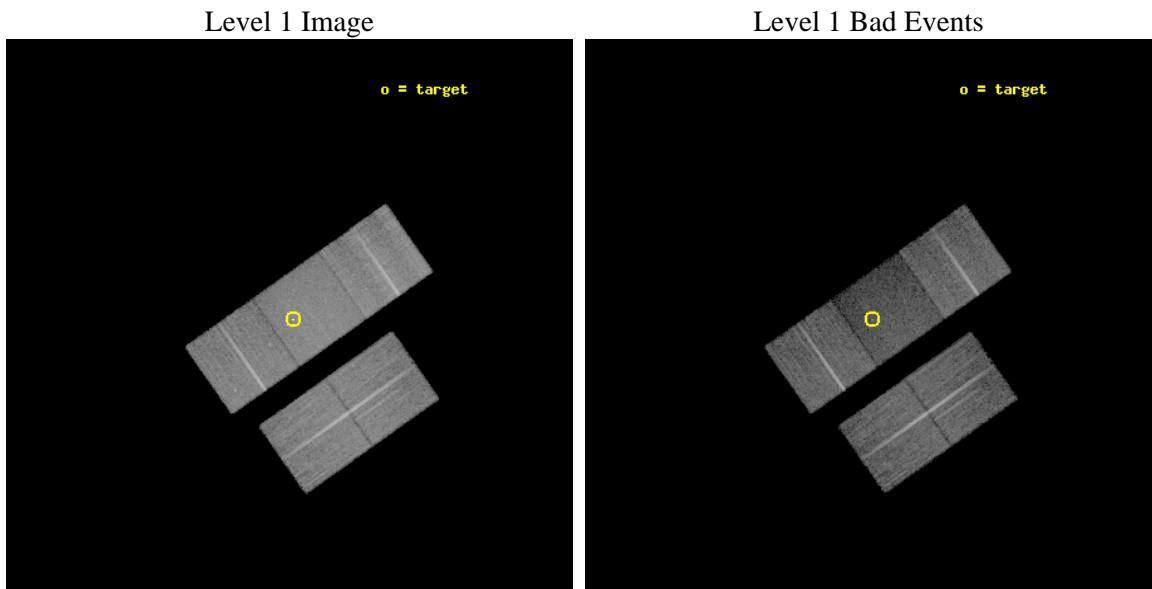
seq_num	200245	Sequence number
obs_id	4476	Observation id
title	Observation of a brown dwarf, GJ1245ABC	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	GJ1245	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	298.478333	Observer's specified target RA [deg]
dec_targ	44.415	Observer's specified target Dec [deg]
ra_nom	298.48729350418	Nominal RA [deg]
dec_nom	44.408425937032	Nominal Dec [deg]
roll_nom	324.86709708771	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24099.399953634	Sum of GTIs [s]
livetime	23784.523551519	Livetime [s]
ontime2	24099.399953634	Sum of GTIs [s]
ontime3	24099.399953634	Sum of GTIs [s]
ontime6	24099.399953634	Sum of GTIs [s]
ontime7	24099.399953634	Sum of GTIs [s]
ontime8	24096.258963466	Sum of GTIs [s]
l2events	106933	Number of level 2 events



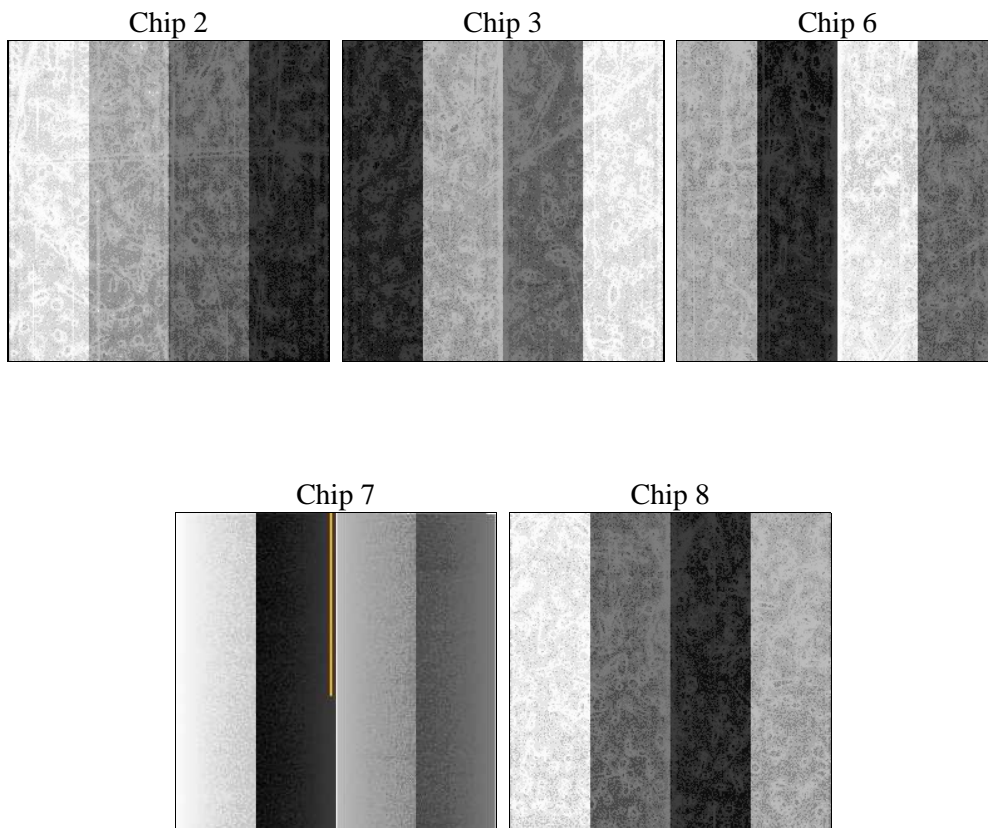
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23967.519000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24099.399953634	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	24099.399953634	Sum of GTIs [s]
date	2012-11-09T08:13:27	Date and time of file creation	ontime3	24099.399953634	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	24099.399953634	Sum of GTIs [s]
			ontime7	24099.399953634	Sum of GTIs [s]
			ontime8	24096.258963466	Sum of GTIs [s]
			l1events	587626	Number of level 1 events

2.1.4 Events

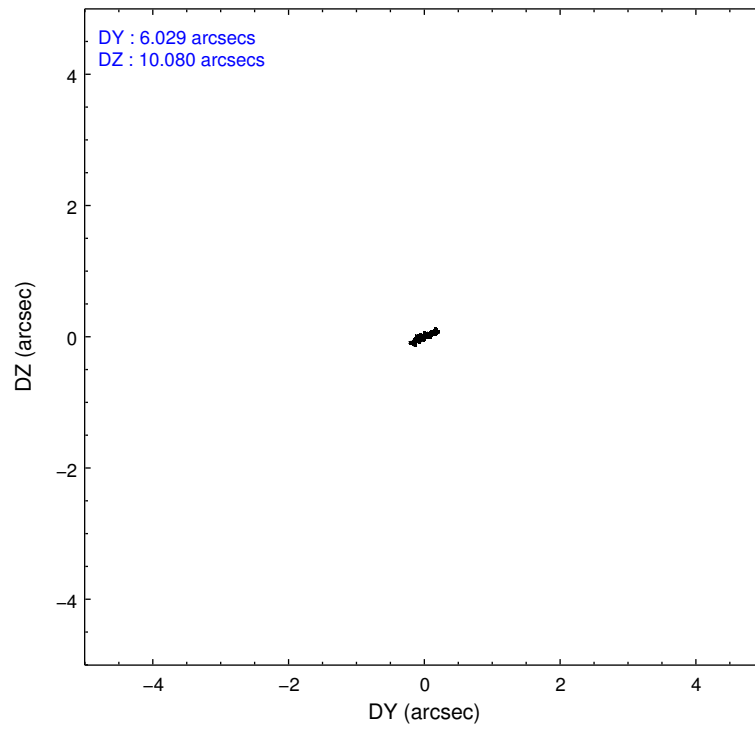
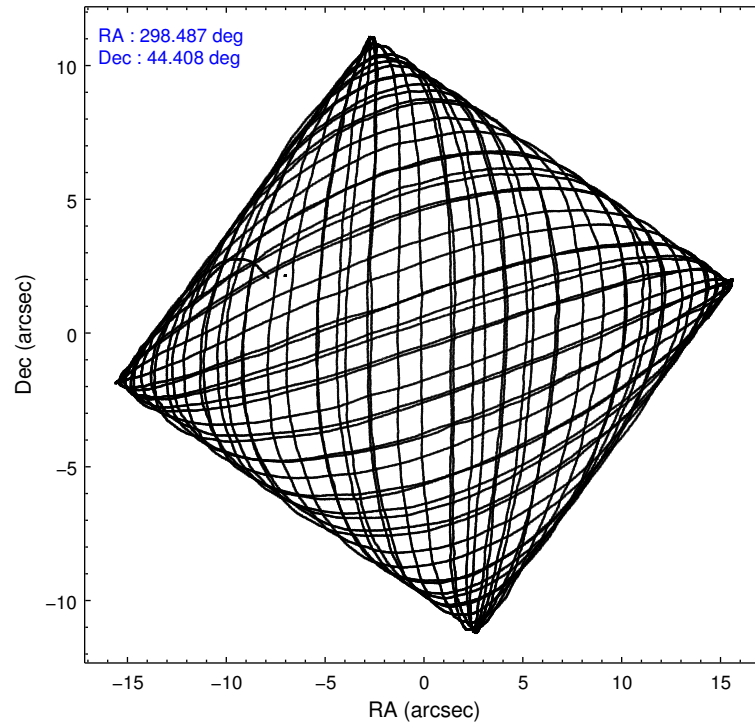
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	113648	107292	110458	121655	134573
rejected events	102423	96441	97110	55131	102245
rejected %	90%	89%	87%	45%	75%

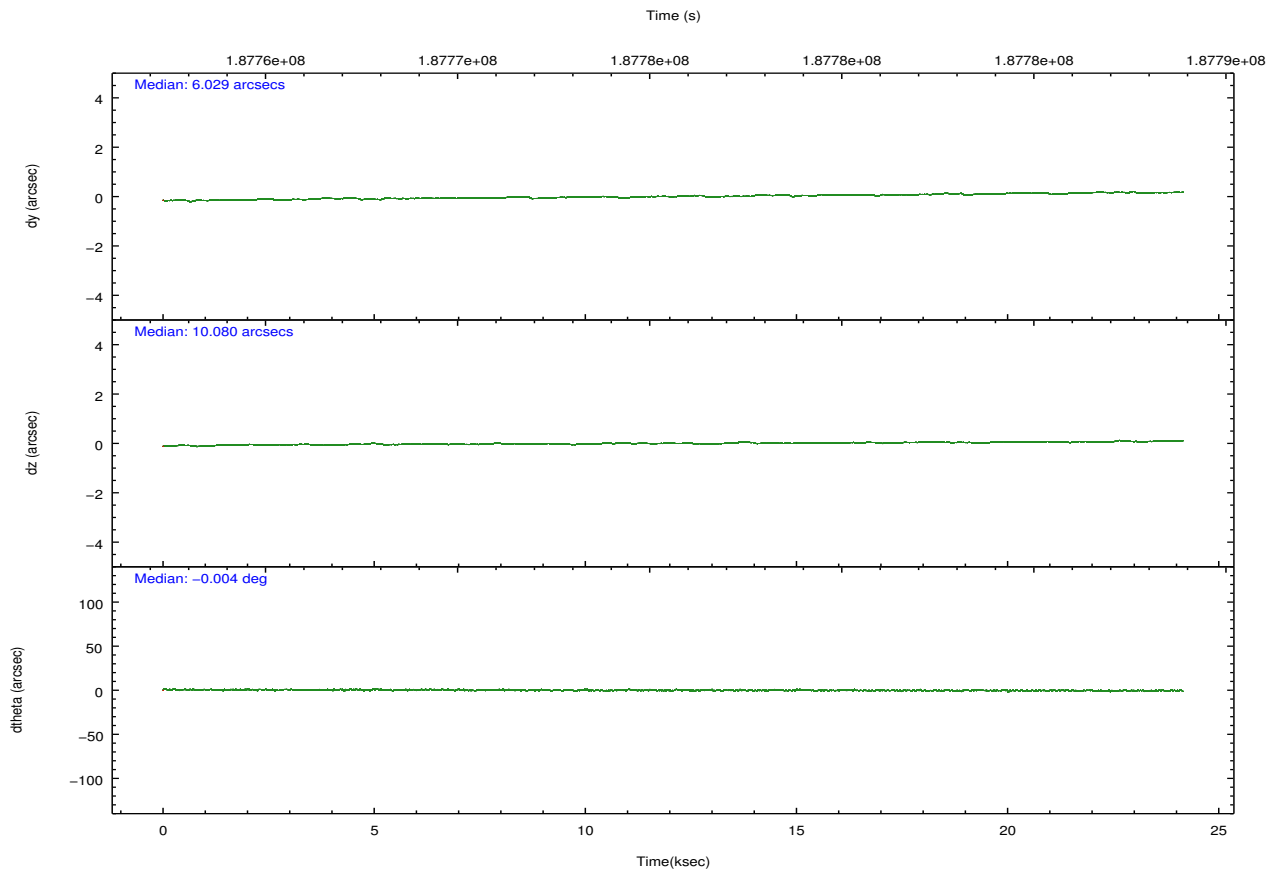
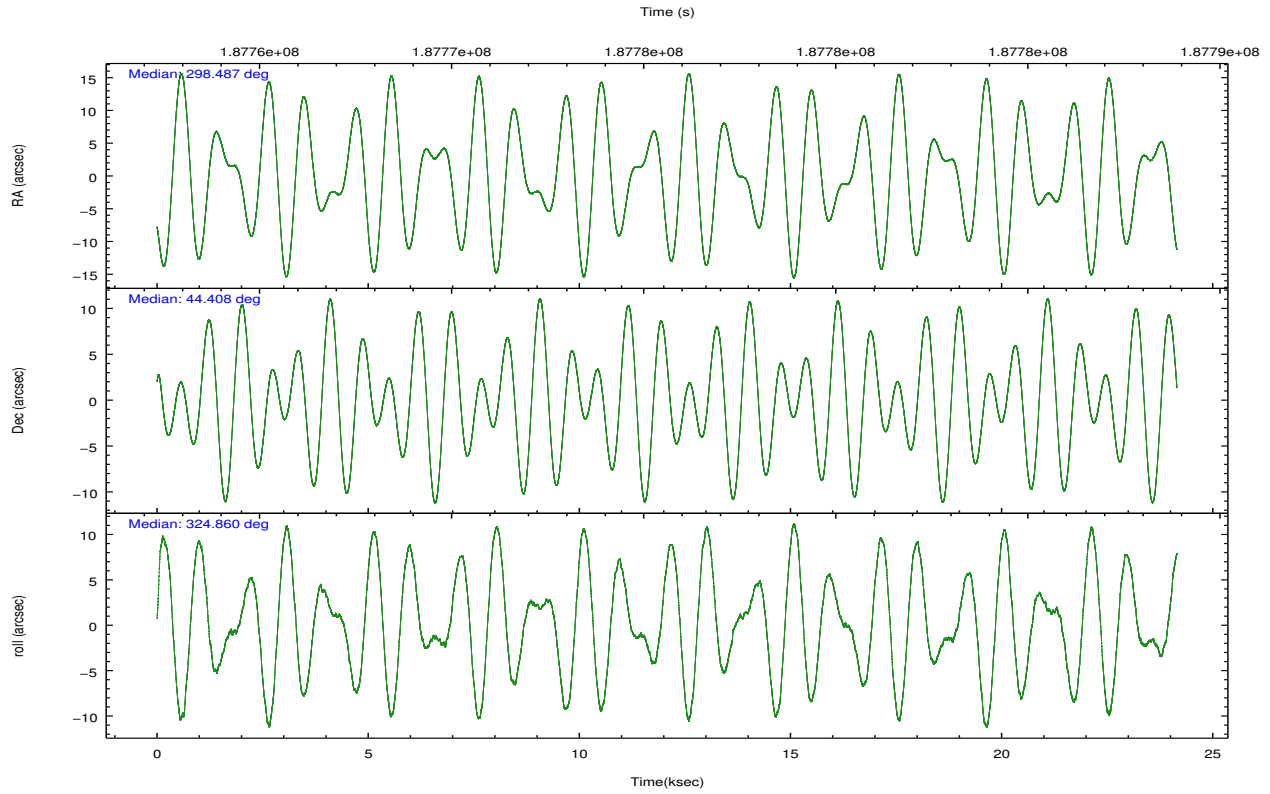
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4470	4262	5587	7630	9628
	3%	3%	5%	6%	7%
grade 1 events	43	55	56	130	103
	0%	0%	0%	0%	0%
grade 2 events	2472	2152	2658	13883	7131
	2%	2%	2%	11%	5%
grade 3 events	1247	1254	1308	6196	3581
	1%	1%	1%	5%	2%
grade 4 events	1219	1180	1351	6294	3297
	1%	1%	1%	5%	2%
grade 5 events	3008	3762	3823	11878	5705
	2%	3%	3%	9%	4%
grade 6 events	1819	2004	2448	32529	8691
	1%	1%	2%	26%	6%
grade 7 events	99370	92623	93227	43115	96437
	87%	86%	84%	35%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	298.449289	298.4872935041845	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.410485	44.40842593703155	Alternating exposures requested	N	N
[deg] Pointing Roll	324.737071	324.8670970877055	[s] Primary exposure time	0.000000	3.1
[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)	187763719.184000	187762744.54352			
Observation start date	2003-12-14T04:34:15	2003-12-14T04:19:04			
[s] Observation end time (MET)	187787687.184000	187788002.08212			
Observation end date	2003-12-14T11:13:43	2003-12-14T11:20:02			
Read mode	TIMED	TIMED			

2.3 Aspect



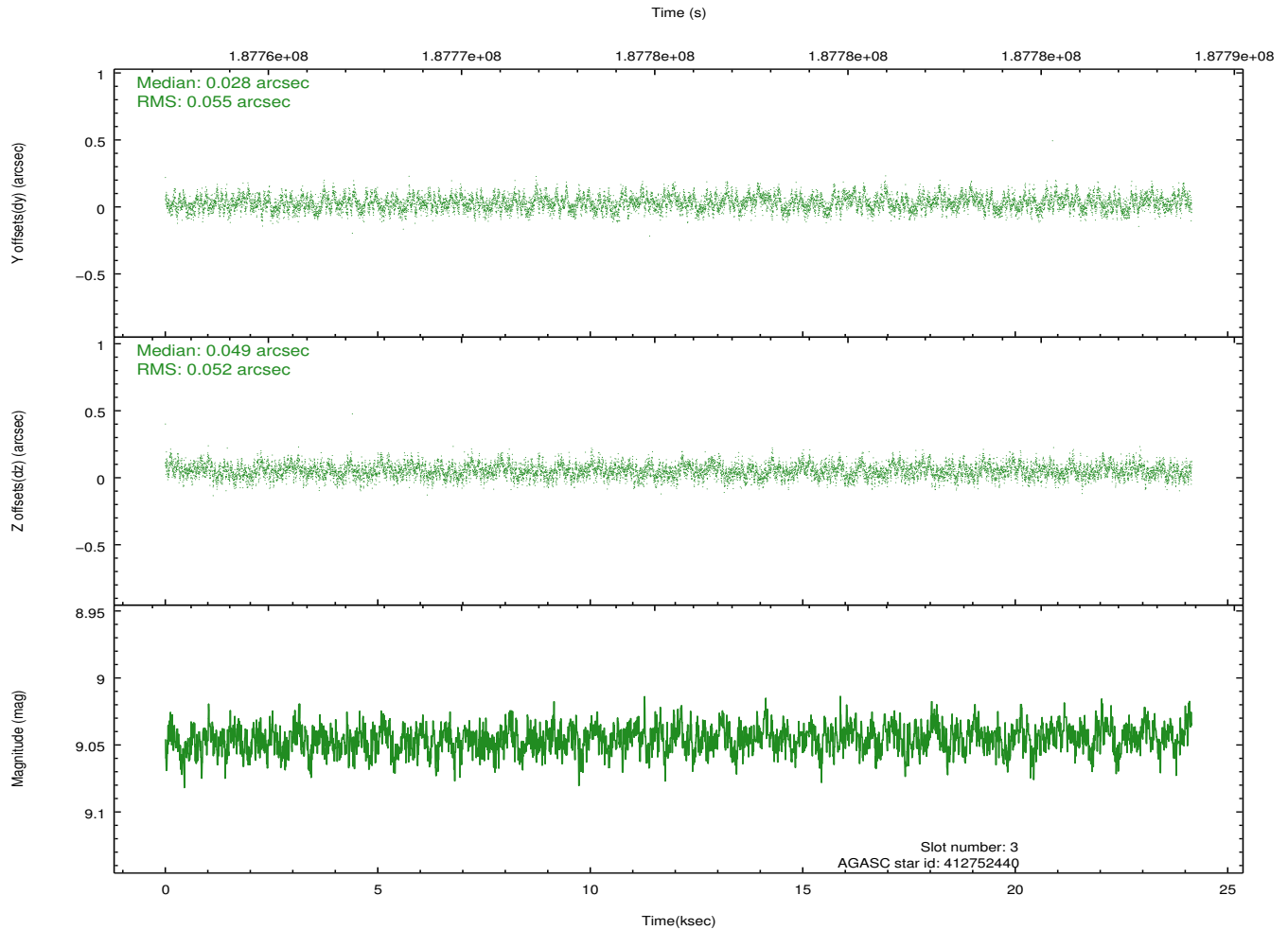
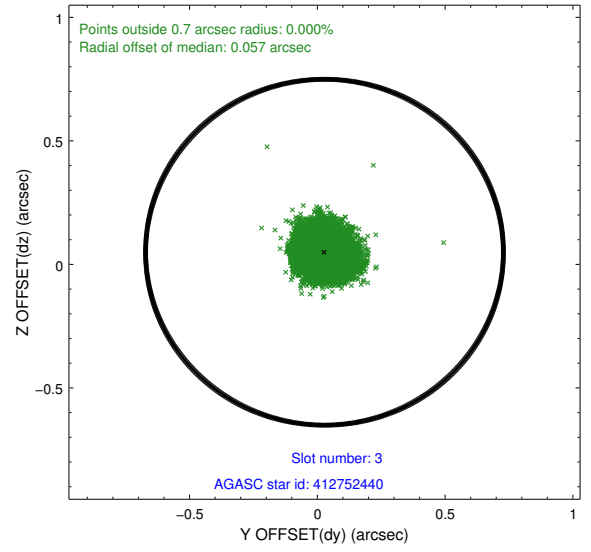
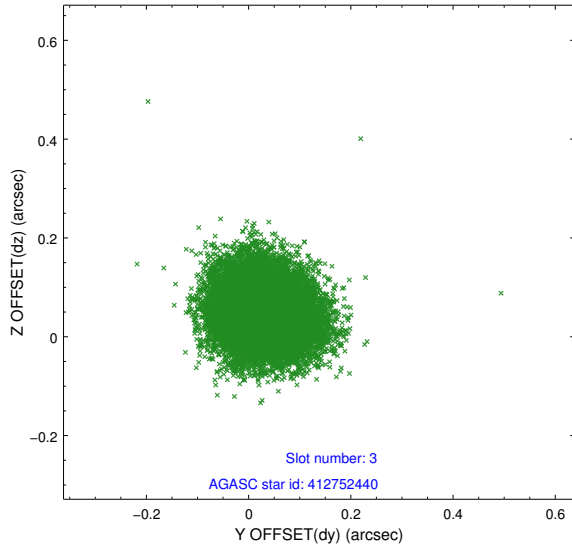


Slot Statistics

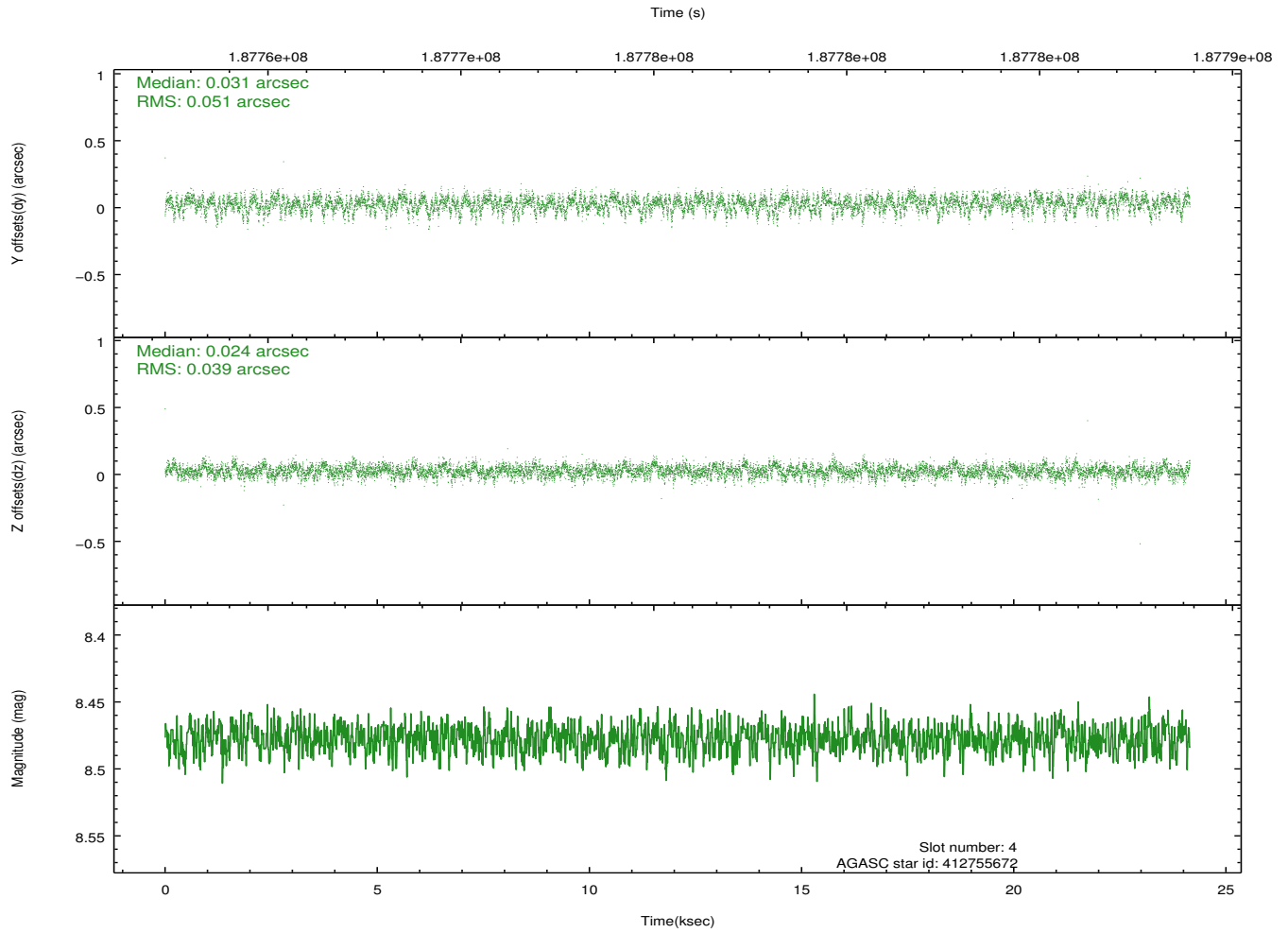
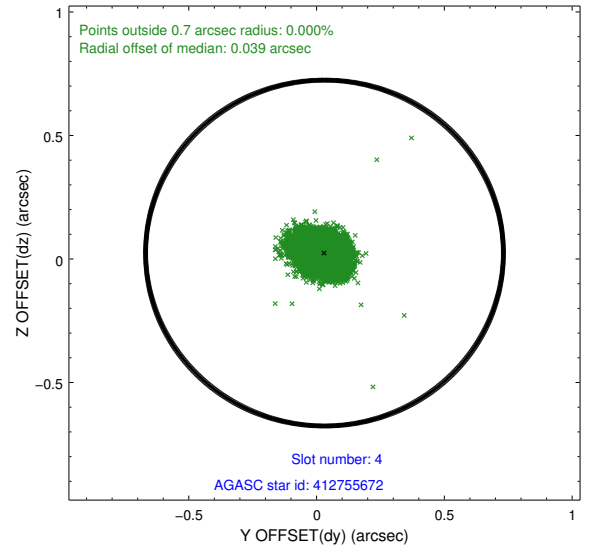
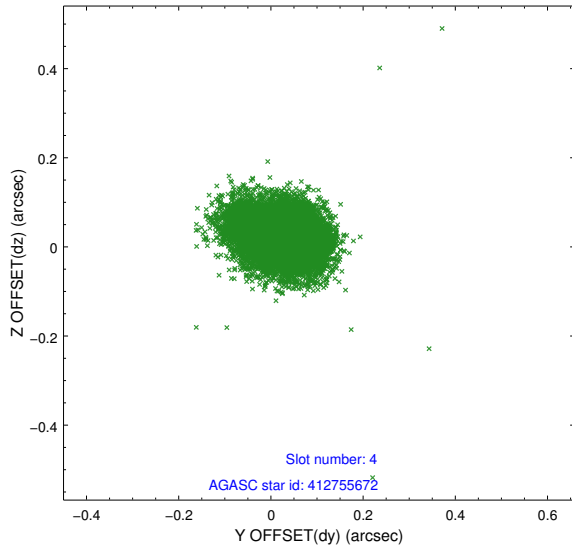
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5889	-0.066	-0.044	0.006	0.010	0.000000	0.000000	-758.82	-1731.32
1	FID	ACIS-S-4	7.20	5891	0.045	0.038	0.006	0.010	0.000000	0.000000	2154.50	177.12
2	FID	ACIS-S-6	7.34	5891	-0.007	0.013	0.007	0.012	0.000000	0.000000	403.38	814.63
3	GUIDE	412752440	9.05	11769	0.028	0.049	0.081	0.128	298.920592	44.584276	623.72	1211.49
4	GUIDE	412755672	8.48	11779	0.031	0.024	0.067	0.113	298.843552	43.755014	2198.68	-1332.41
5	GUIDE	412756488	7.75	11779	-0.049	-0.030	0.054	0.089	297.741278	44.324825	-1314.64	-1298.49
6	GUIDE	412760496	8.78	11778	-0.013	0.017	0.074	0.124	298.220099	43.779237	825.66	-2198.72
7	GUIDE	412751096	8.52	11779	0.009	-0.060	0.070	0.116	299.192555	44.741543	859.03	2077.35

2.4 Star Slots

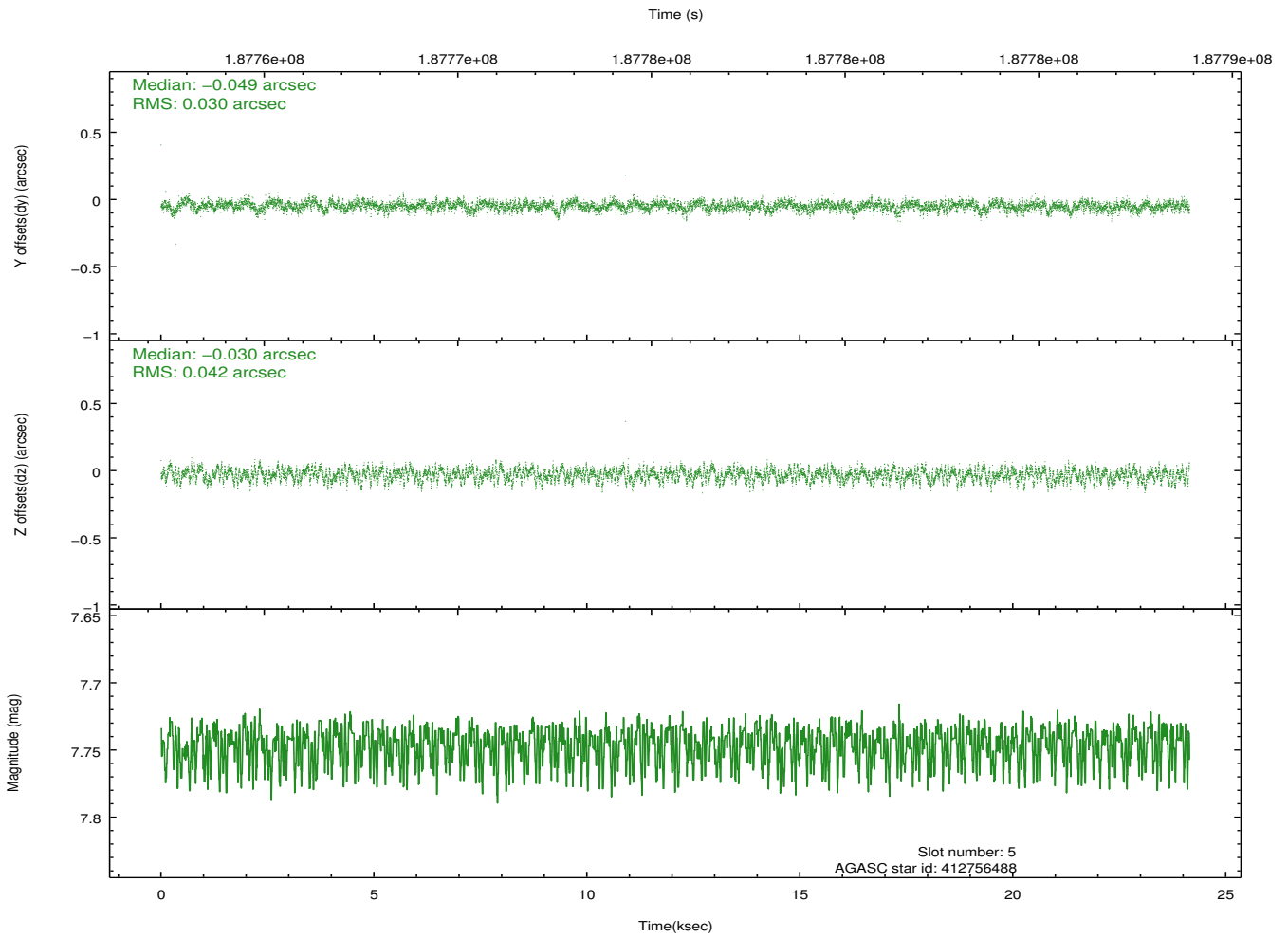
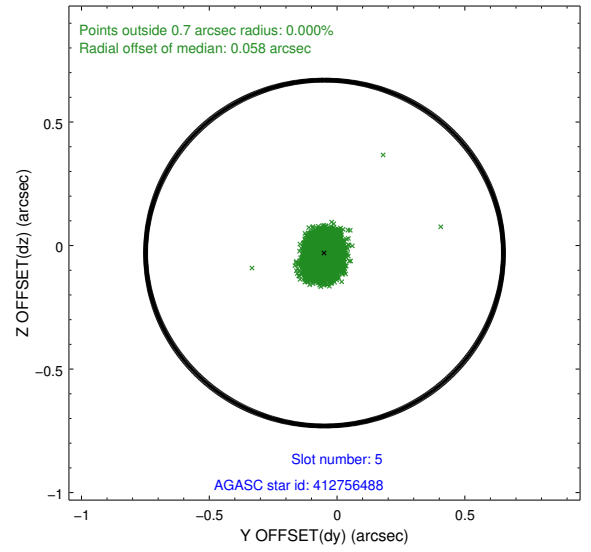
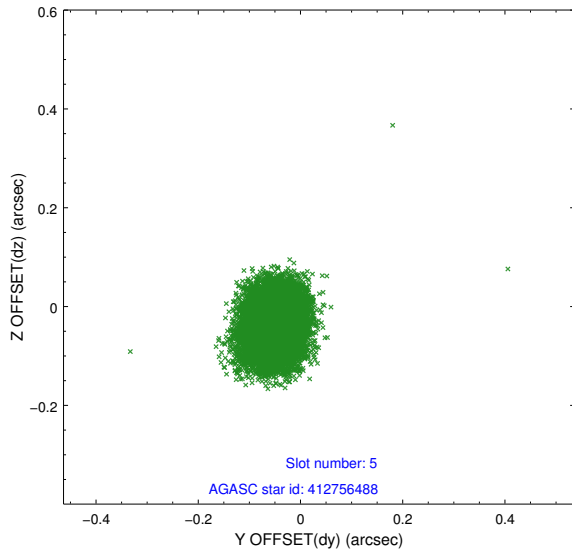
2.4.1 Slot 3



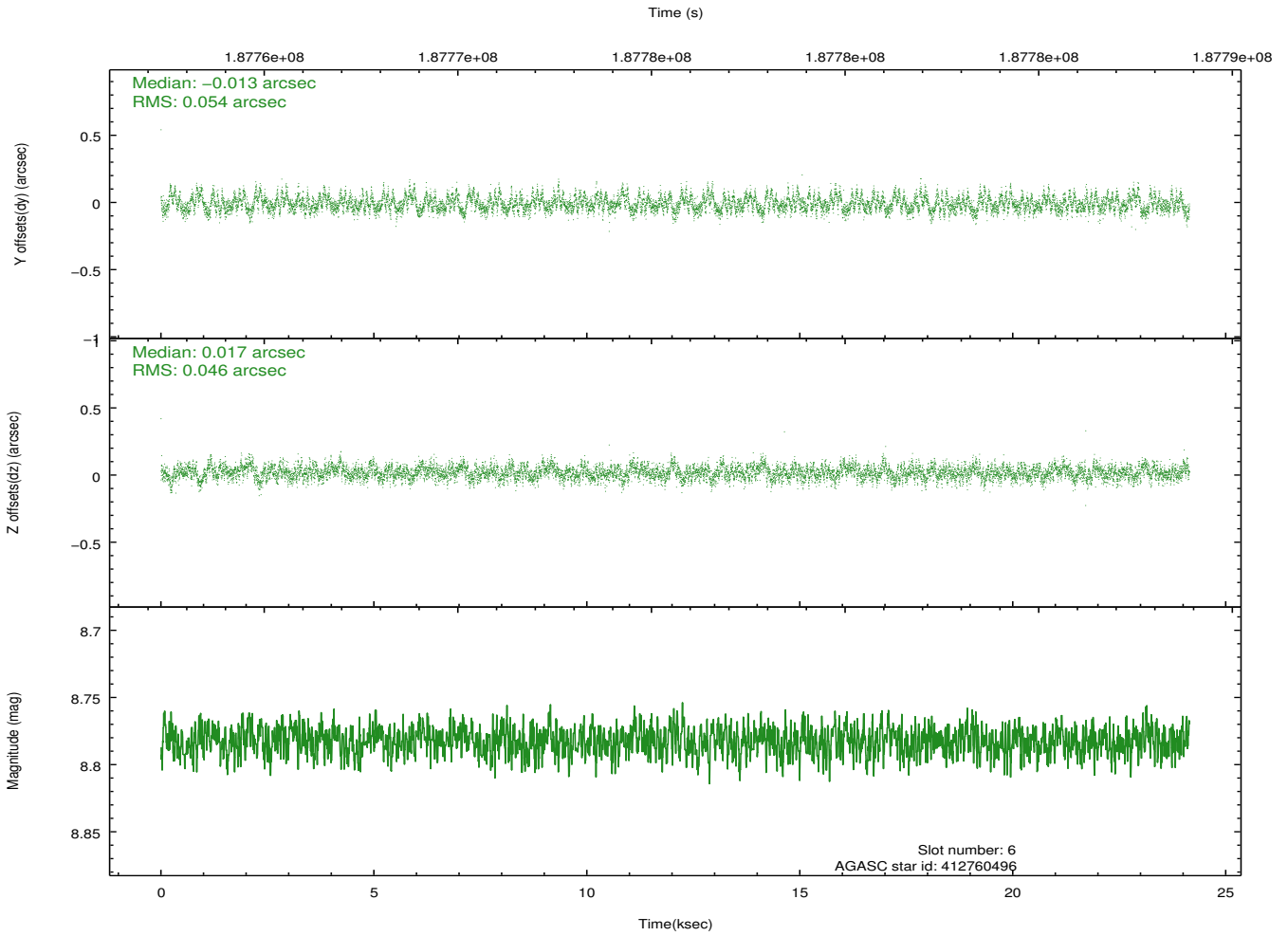
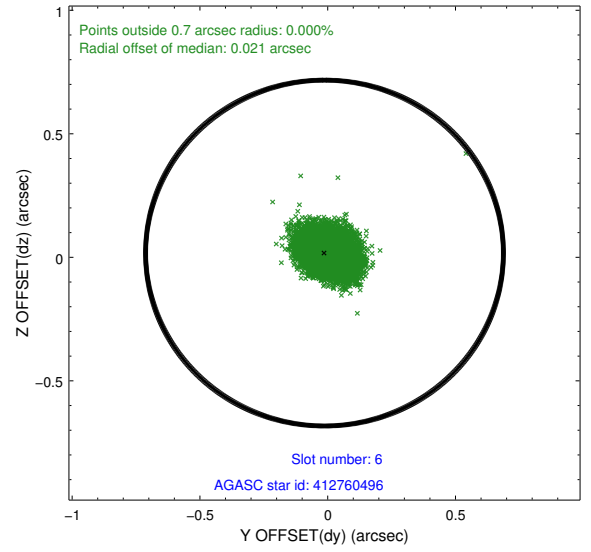
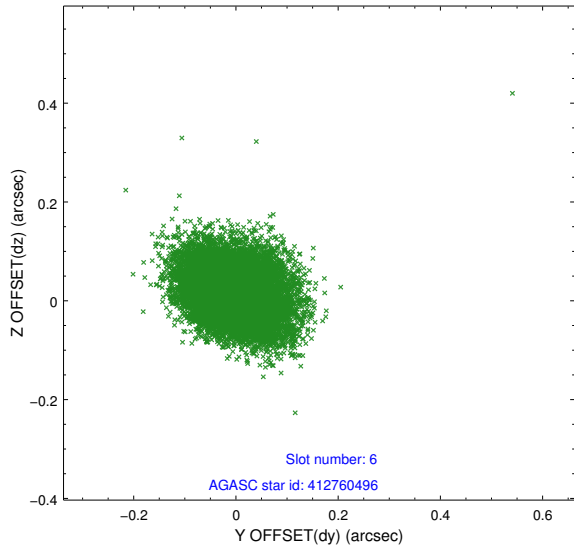
2.4.2 Slot 4



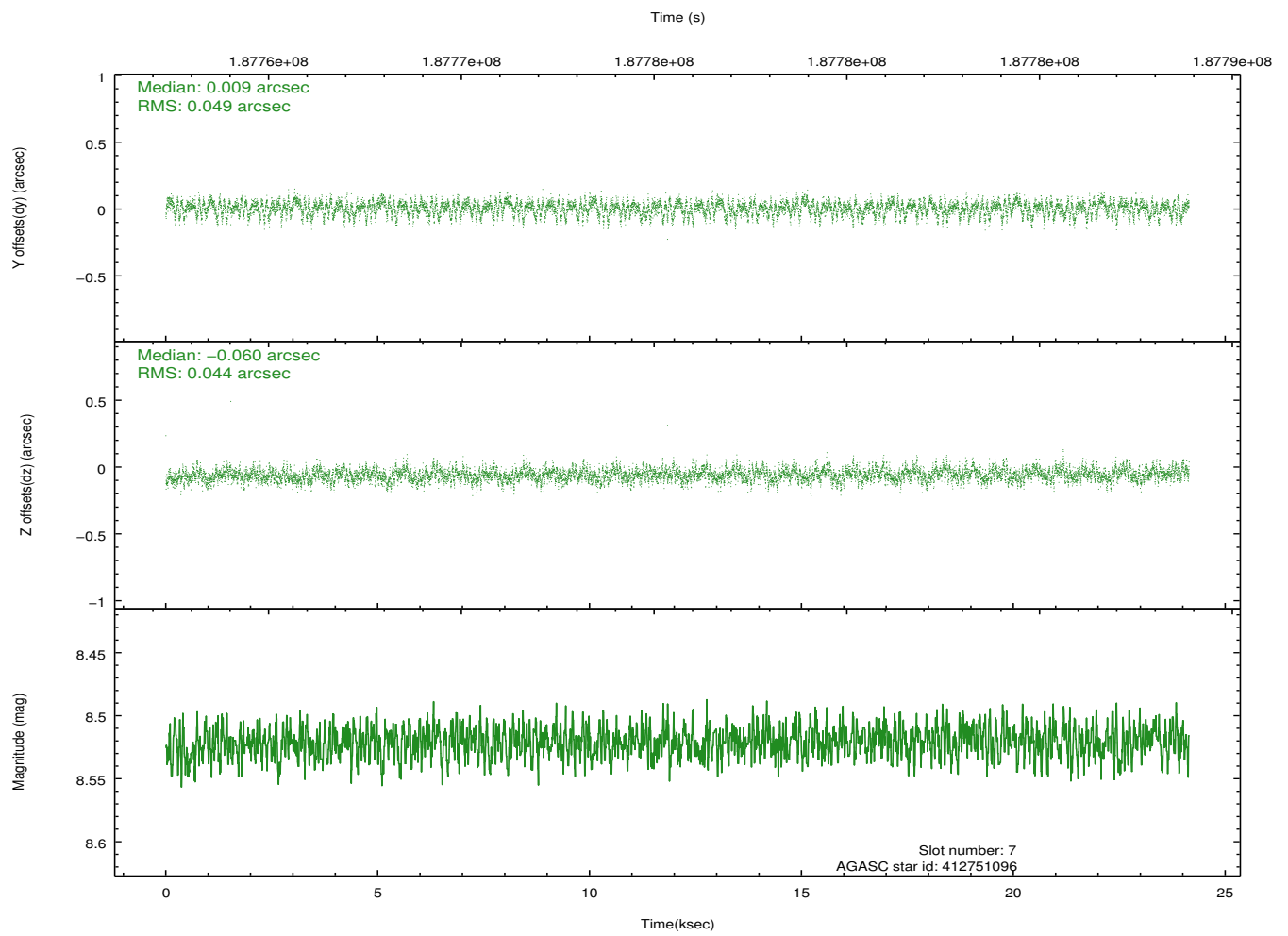
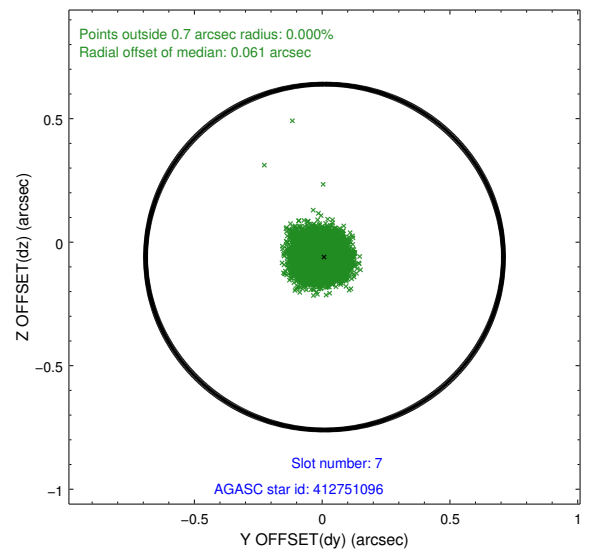
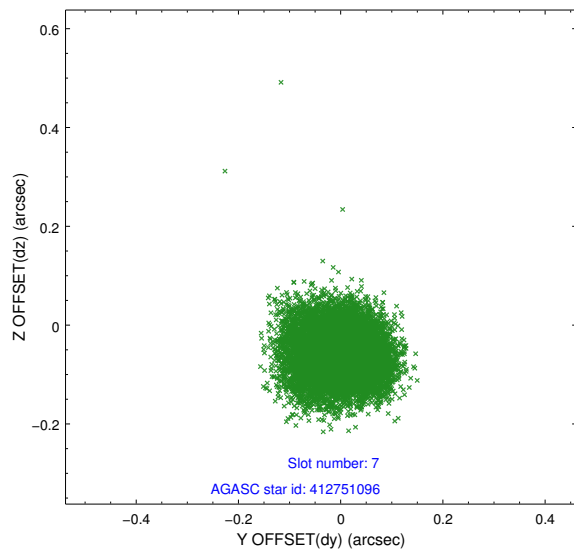
2.4.3 Slot 5



2.4.4 Slot 6

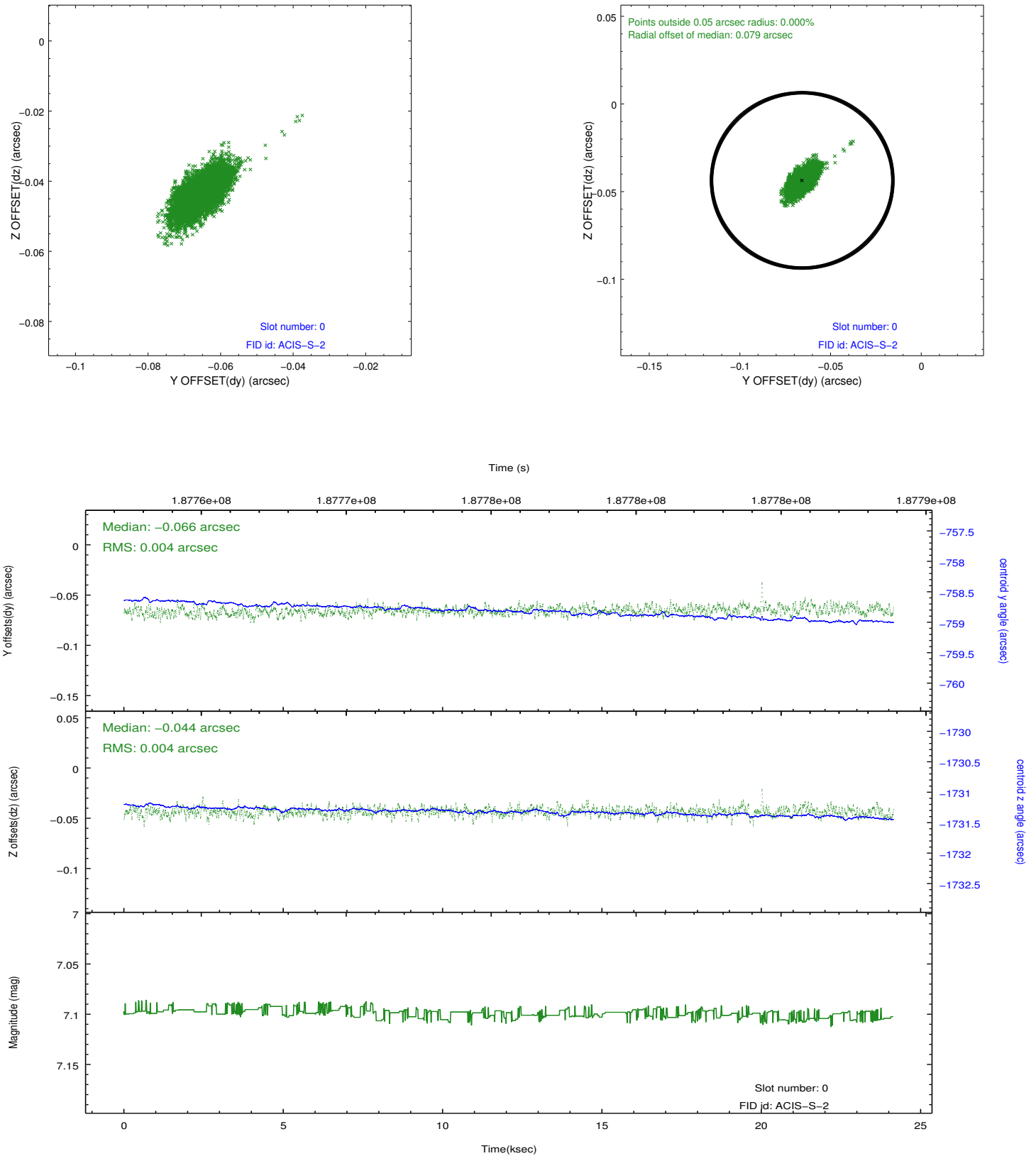


2.4.5 Slot 7

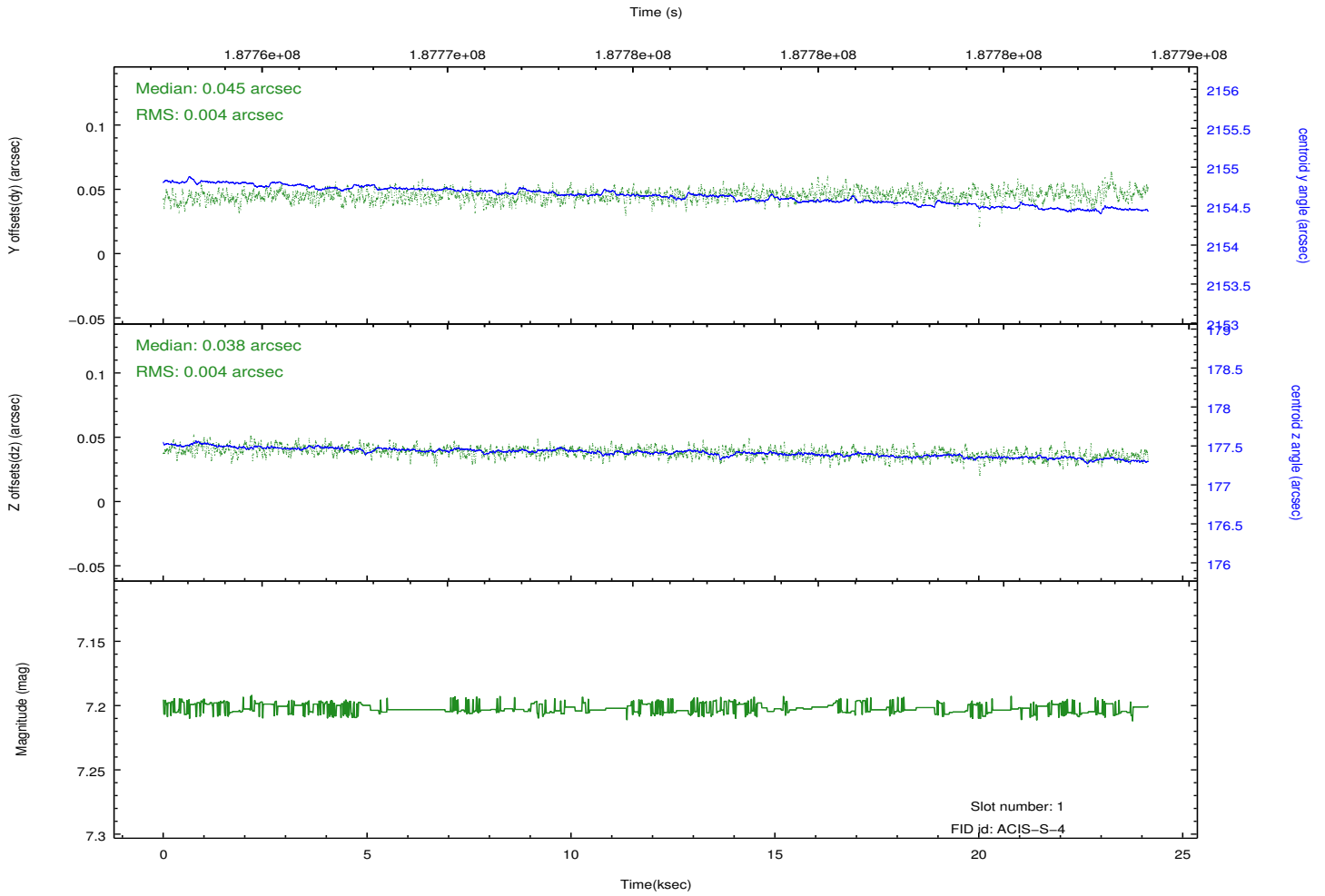
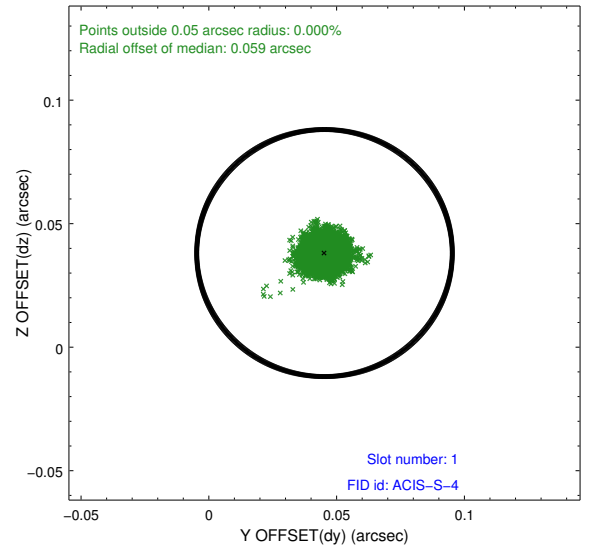
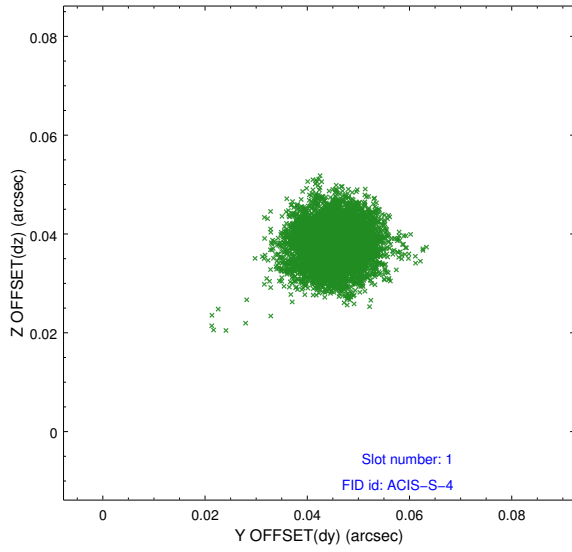


2.5 FID Slots

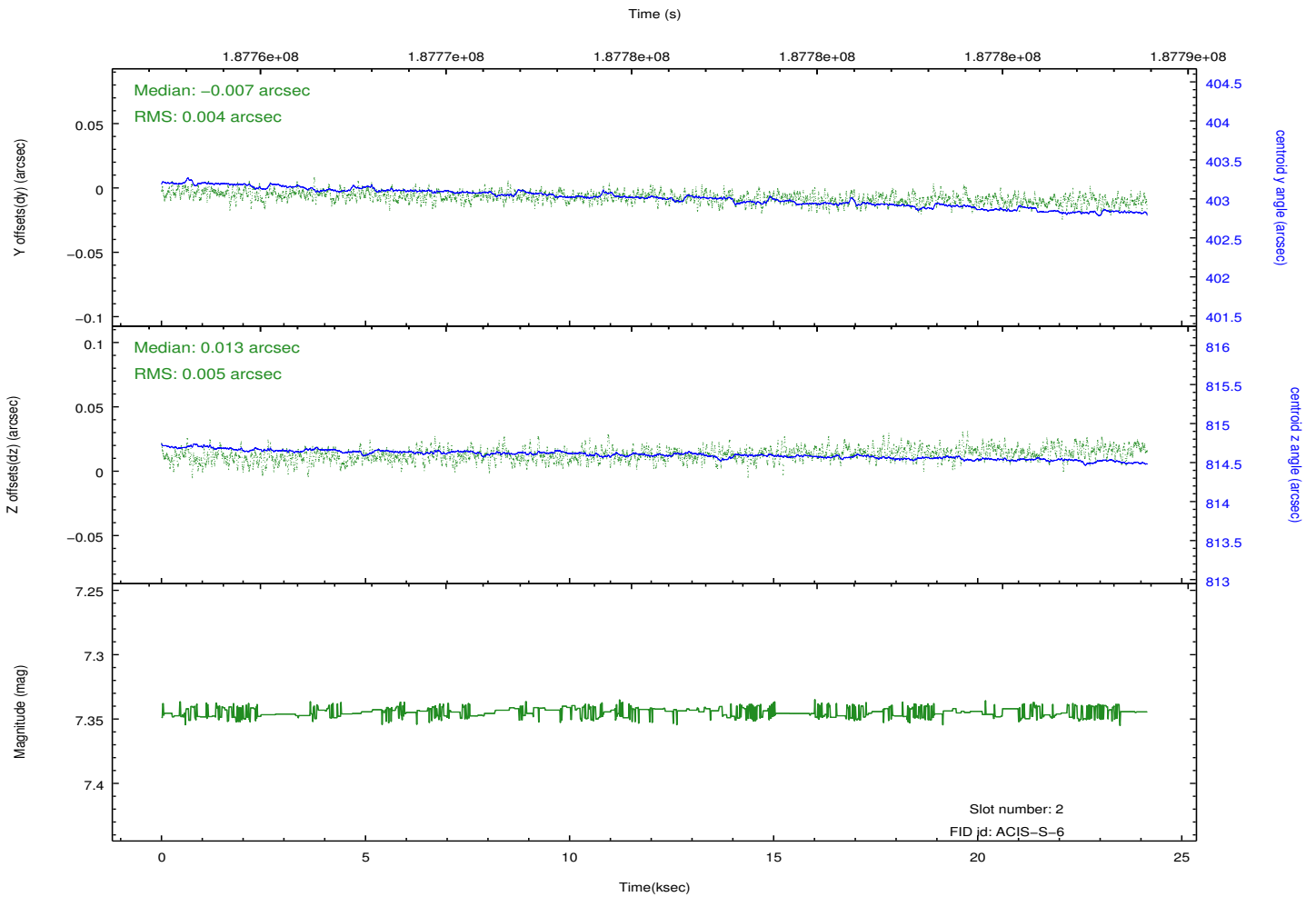
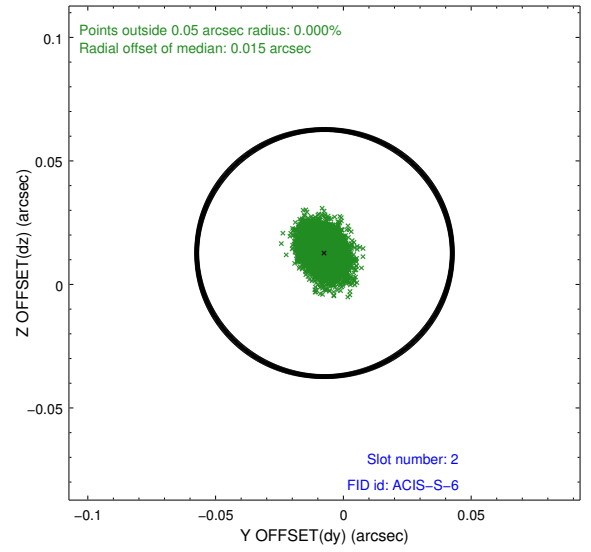
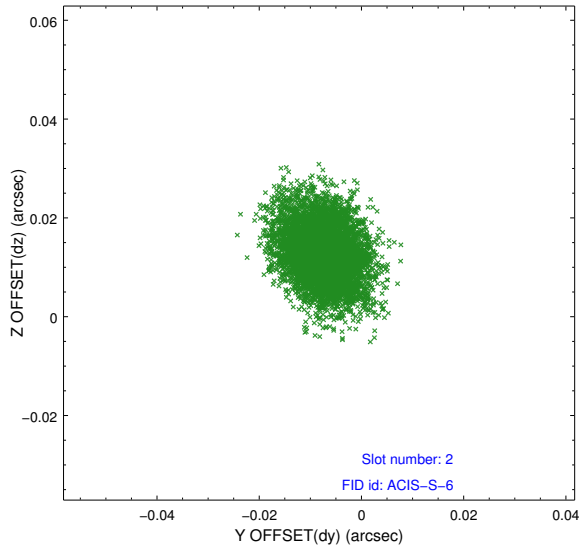
2.5.1 Slot 0



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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.102

A.2 Comments