

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6259 - L2 Version 3
Chandra X-Ray Center

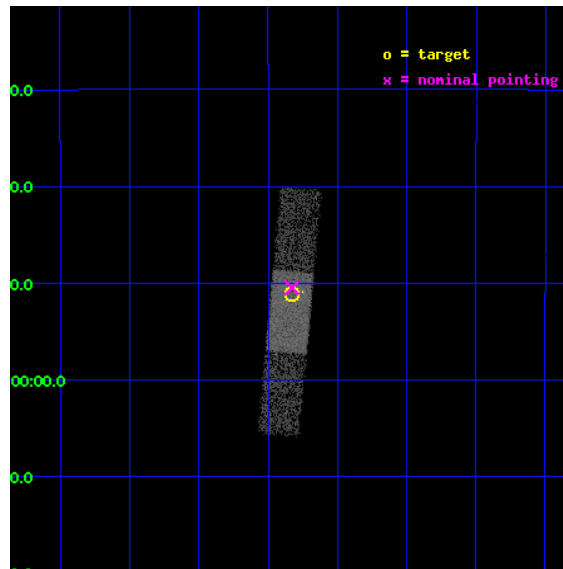
L2 Processing Date : Dec 21 2012

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1 Front

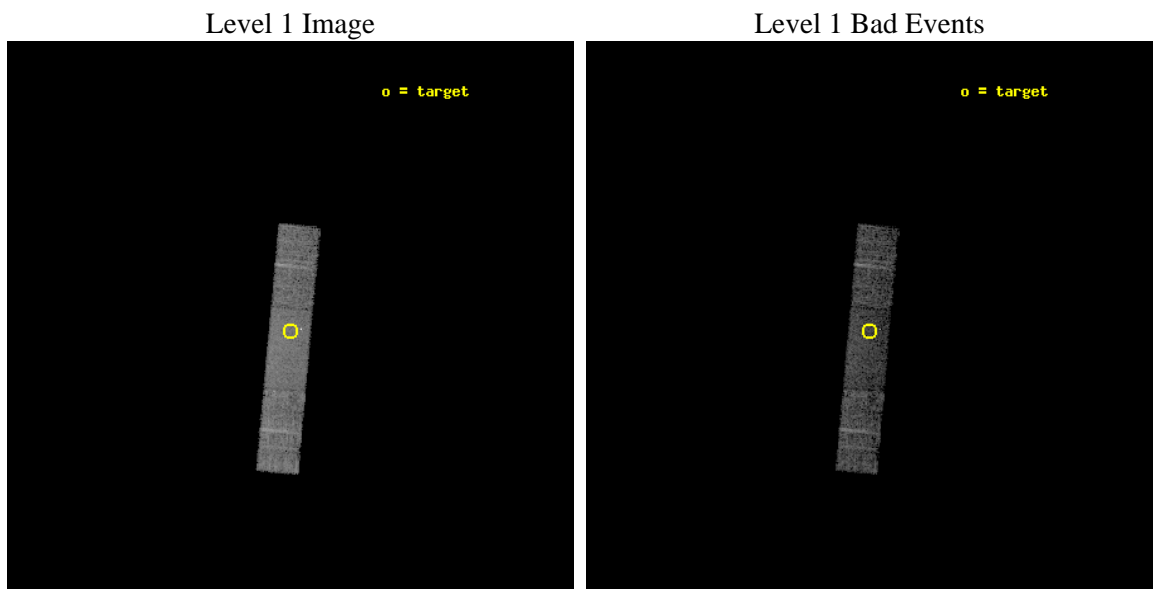
seq_num	400467	Sequence number
obs_id	6259	Observation id
title	The nature of the gamma-ray source HESS J1826-148	Proposal title
observer	Dr. Stefan Funk	Principal investigator
object	HESS J1826-148	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.58125	Observer's specified target RA [deg]
dec_targ	-14.851222	Observer's specified target Dec [deg]
ra_nom	276.58215895752	Nominal RA [deg]
dec_nom	-14.841550294635	Nominal Dec [deg]
roll_nom	95.284669606822	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5169.5999807119	Sum of GTIs [s]
livetime	5040.3158784302	Livetime [s]
ontime6	5169.5999807119	Sum of GTIs [s]
ontime7	5169.5999807119	Sum of GTIs [s]
ontime8	5169.5999807119	Sum of GTIs [s]
l2events	17959	Number of level 2 events



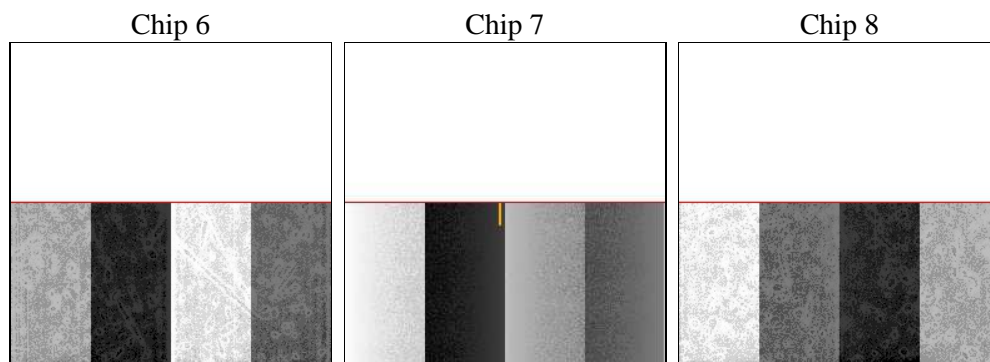
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5169.5999807119	Sum of GTIs [s]
caldsver	4.5.5	 	ontime6	5169.5999807119	Sum of GTIs [s]
date	2012-12-22T01:55:00	Date and time of file creation	ontime7	5169.5999807119	Sum of GTIs [s]
revision	3	Processing version of data	ontime8	5169.5999807119	Sum of GTIs [s]
			l1events	80870	Number of level 1 events

2.1.4 Events

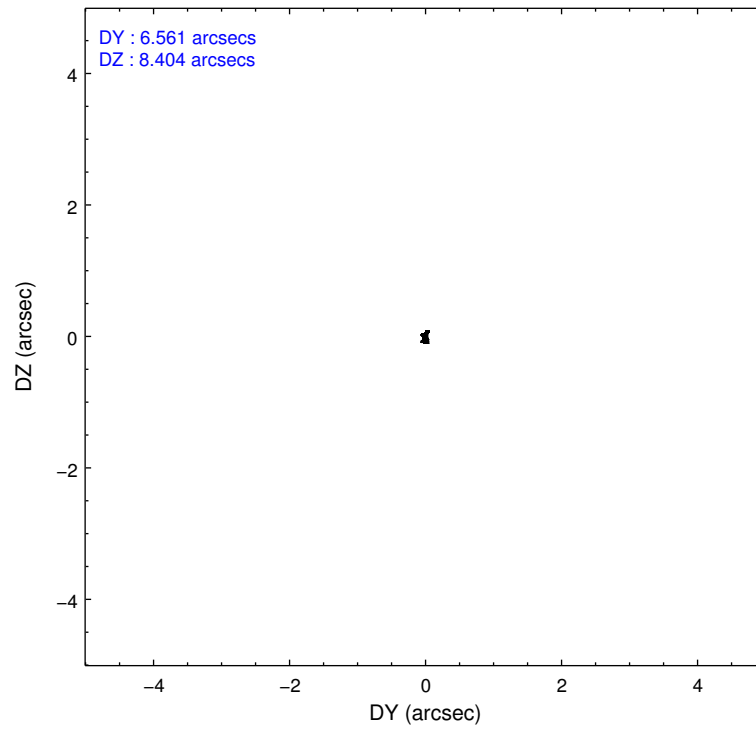
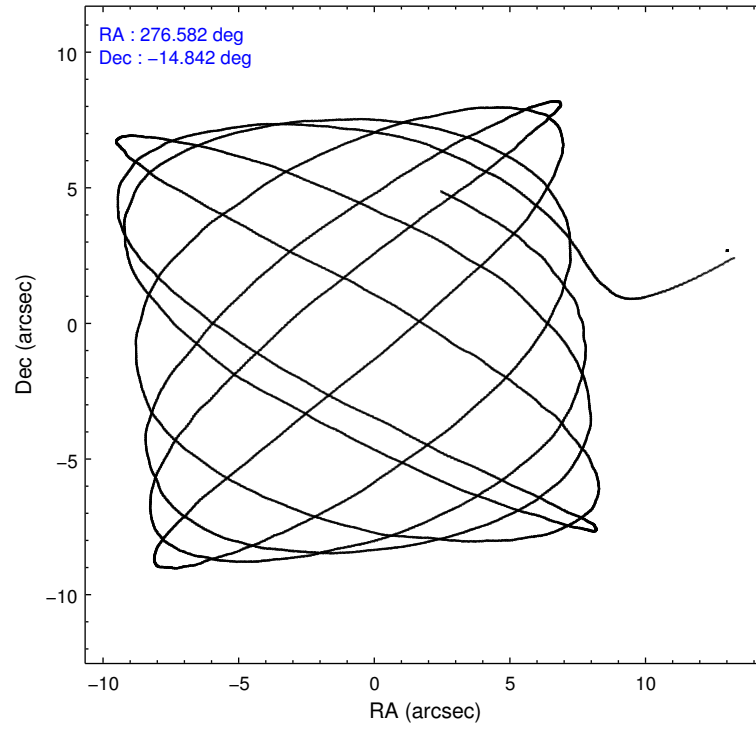
	ccd 6	ccd 7	ccd 8
level 1 events	22083	30269	28518
rejected events	19388	16811	22347
rejected %	87%	55%	78%

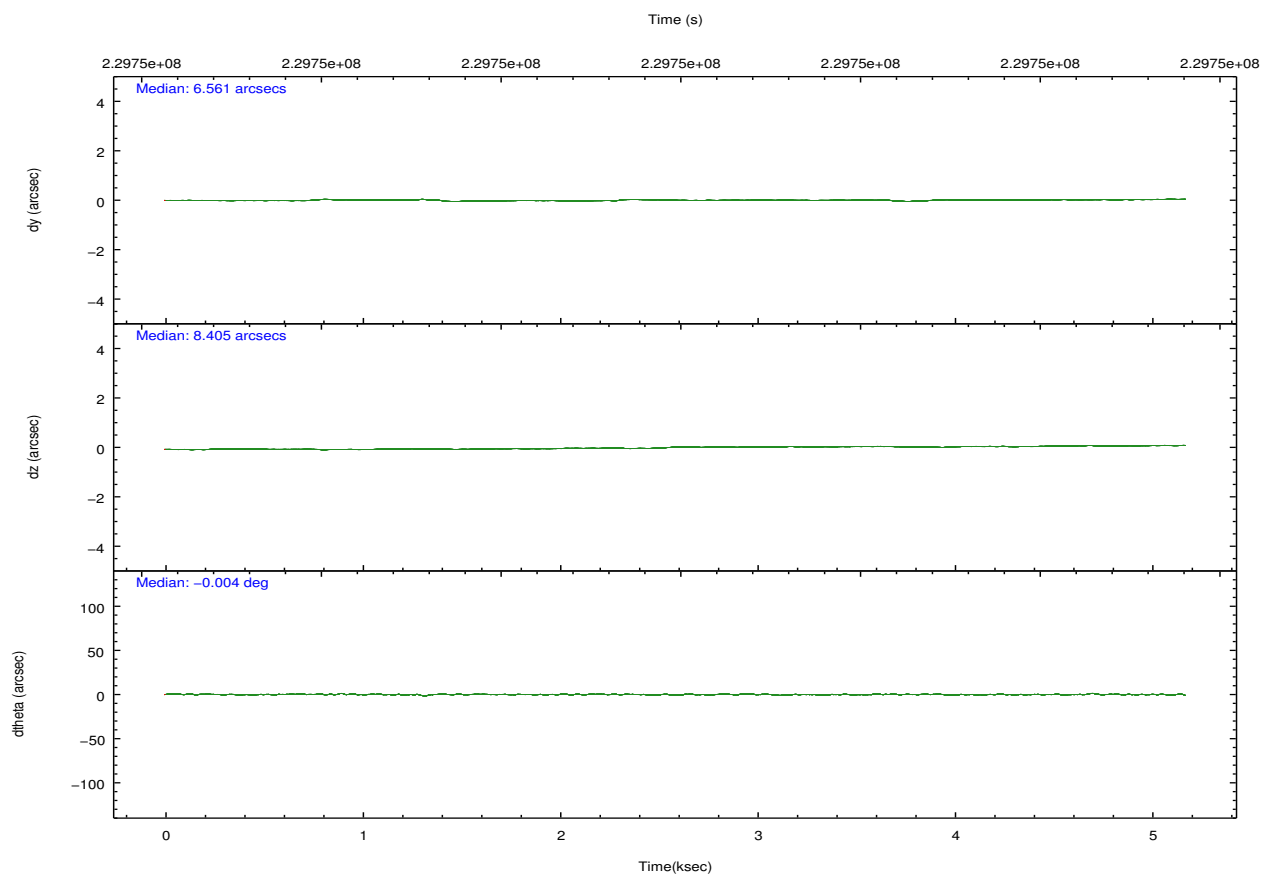
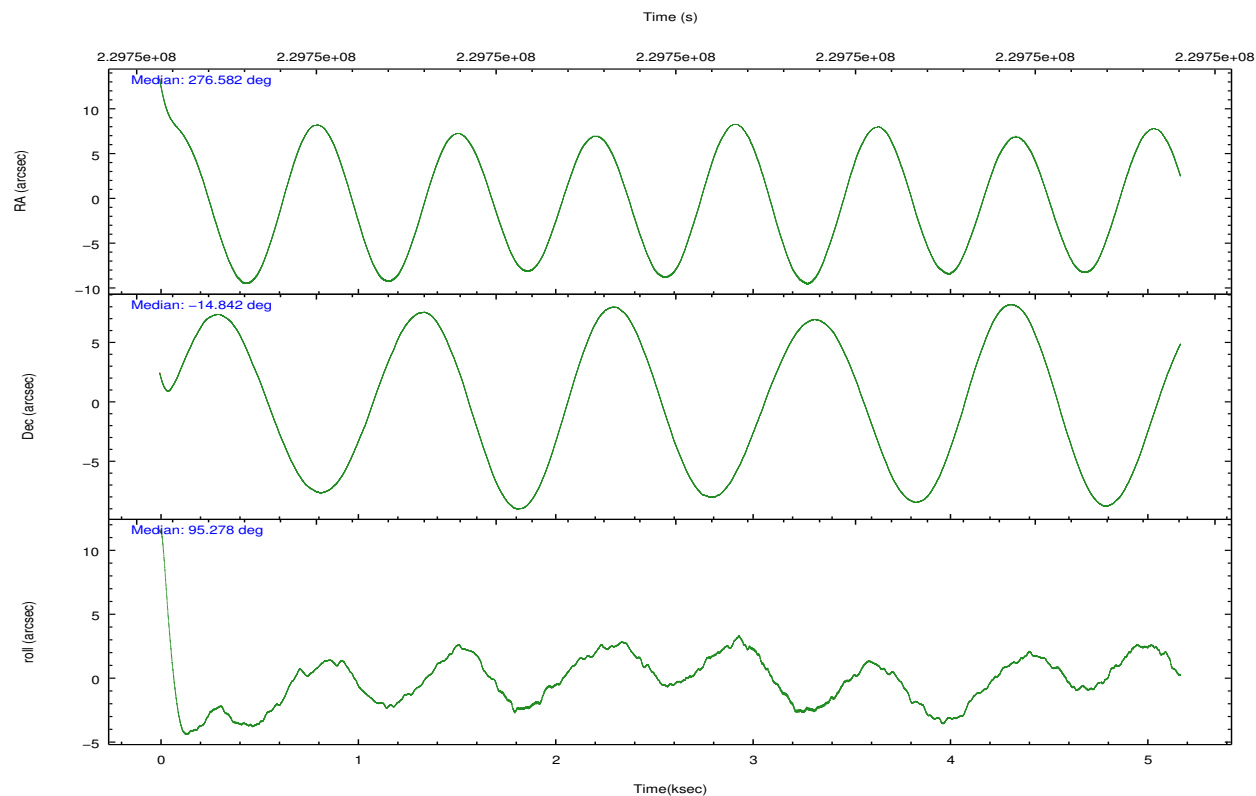
	ccd 6	ccd 7	ccd 8
grade 0 events	1113	1464	1989
	5%	4%	6%
grade 1 events	9	48	21
	0%	0%	0%
grade 2 events	557	2949	1431
	2%	9%	5%
grade 3 events	291	1322	670
	1%	4%	2%
grade 4 events	322	1324	583
	1%	4%	2%
grade 5 events	892	2764	1197
	4%	9%	4%
grade 6 events	521	6917	1771
	2%	22%	6%
grade 7 events	18378	13481	20856
	83%	44%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	276.598672	276.5821589575187	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-14.863595	-14.8415502946354	Subarray start row	1	1
[deg] Pointing Roll	95.132238	95.28466960682226	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.6
[mm] SIM translation stage pos	-183.992523	-183.9875365069546			
[mm] SIM translation stage offset	-6.14	-6.144986076053243			
[s] Observation start time (MET)	229748551.184000	229747702.73634			
Observation start date	2005-04-13T03:01:27	2005-04-13T02:48:22			
[s] Observation end time (MET)	229753551.184000	229754309.37414			
Observation end date	2005-04-13T04:24:47	2005-04-13T04:38:29			
Read mode	TIMED	TIMED			

2.3 Aspect



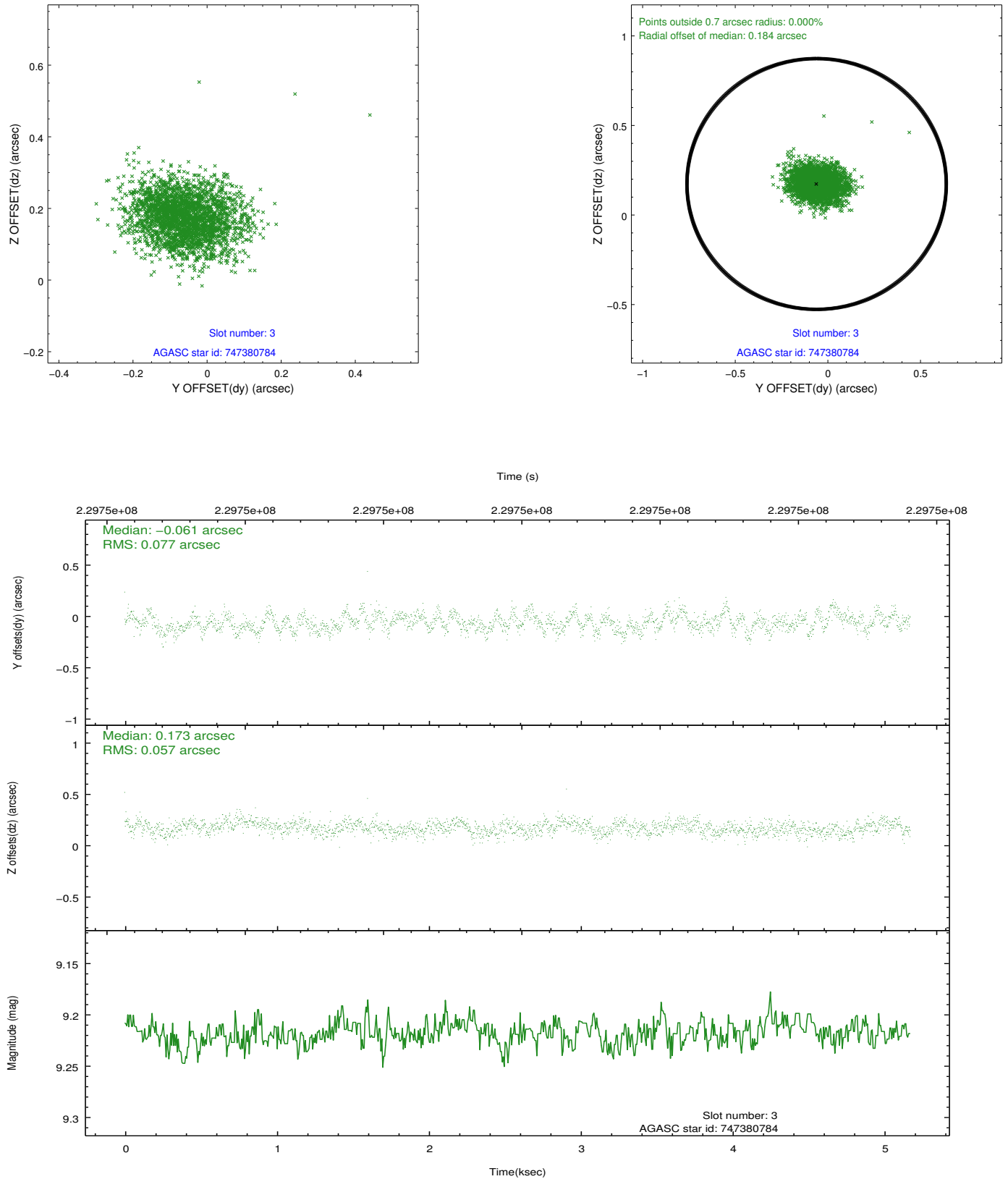


Slot Statistics

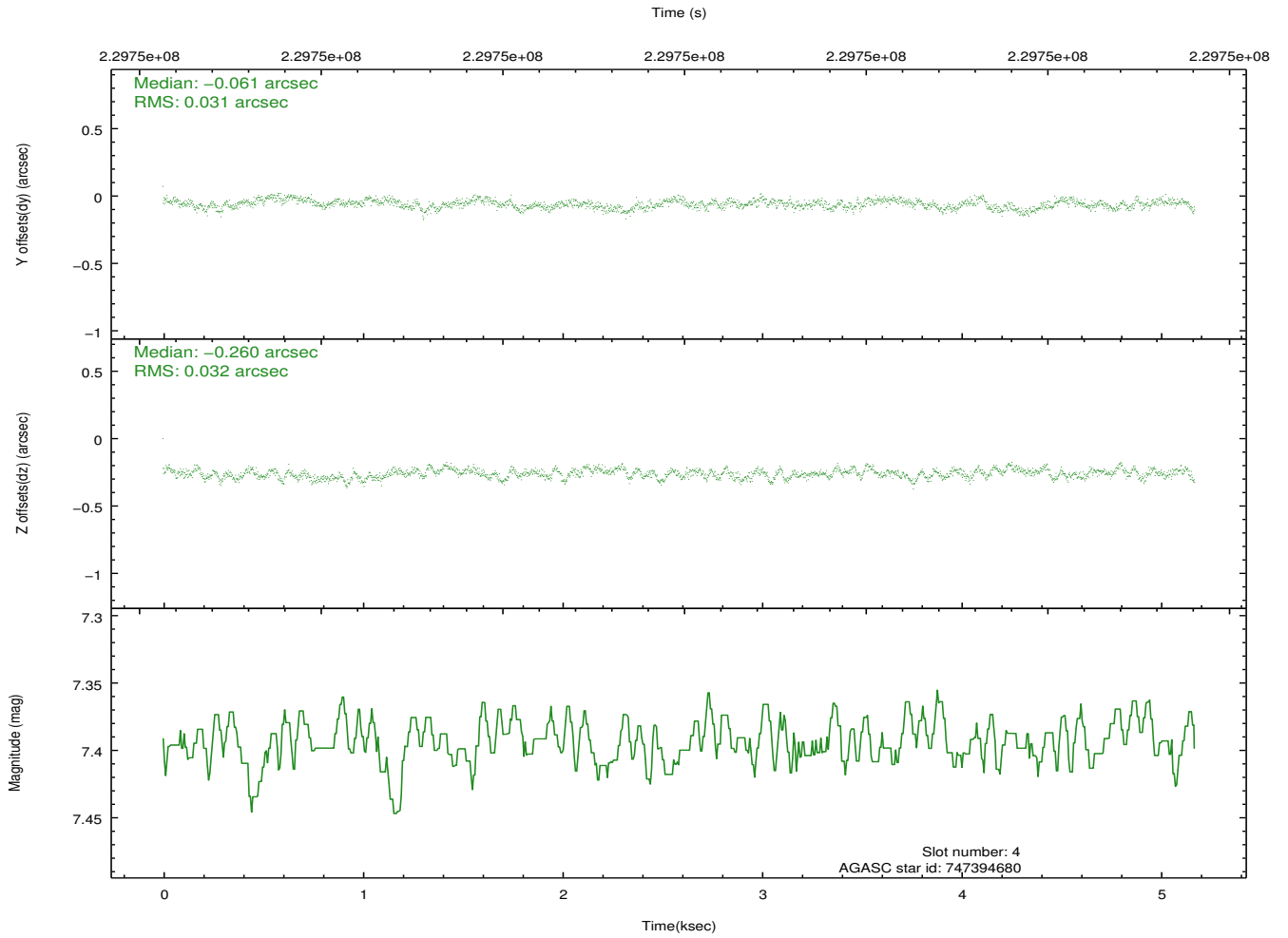
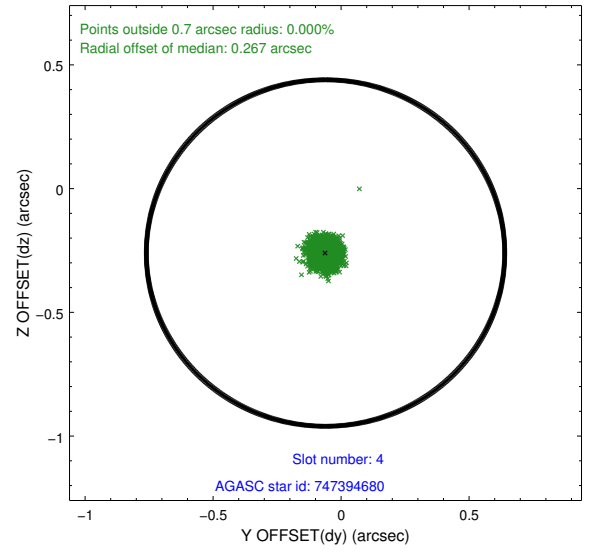
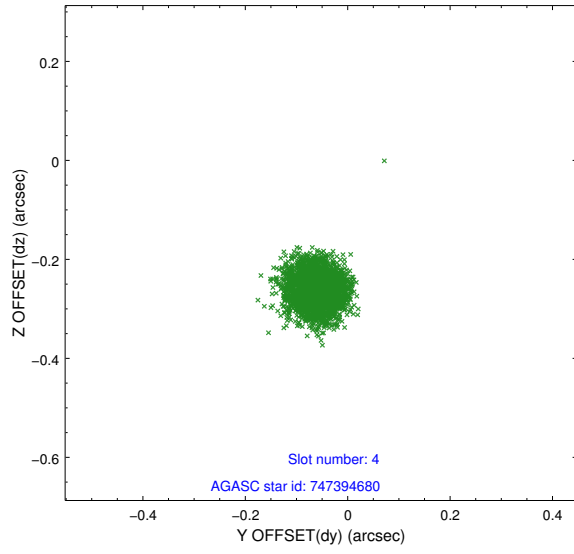
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	1262	-0.095	-0.073	0.007	0.012	0.000000	0.000000	-758.95	-1856.33
1	FID	ACIS-S-4	7.19	1262	0.137	0.065	0.006	0.011	0.000000	0.000000	2154.02	50.99
2	FID	ACIS-S-5	7.22	1262	-0.074	0.016	0.007	0.011	0.000000	0.000000	-1810.27	45.92
3	GUIDE	747380784	9.22	2524	-0.061	0.173	0.100	0.165	277.188264	-14.189338	2231.30	-2265.88
4	GUIDE	747394680	7.39	2524	-0.061	-0.260	0.048	0.073	276.275759	-14.649373	868.81	1050.50
5	GUIDE	747395024	7.90	2524	-0.036	0.169	0.053	0.086	277.013372	-14.660681	597.71	-1502.83
6	GUIDE	821313912	7.15	2524	0.200	0.140	0.054	0.087	276.880488	-15.373623	-1916.02	-810.71
7	GUIDE	747380456	8.59	2523	-0.045	-0.221	0.078	0.125	276.136187	-14.775528	457.34	1575.01

2.4 Star Slots

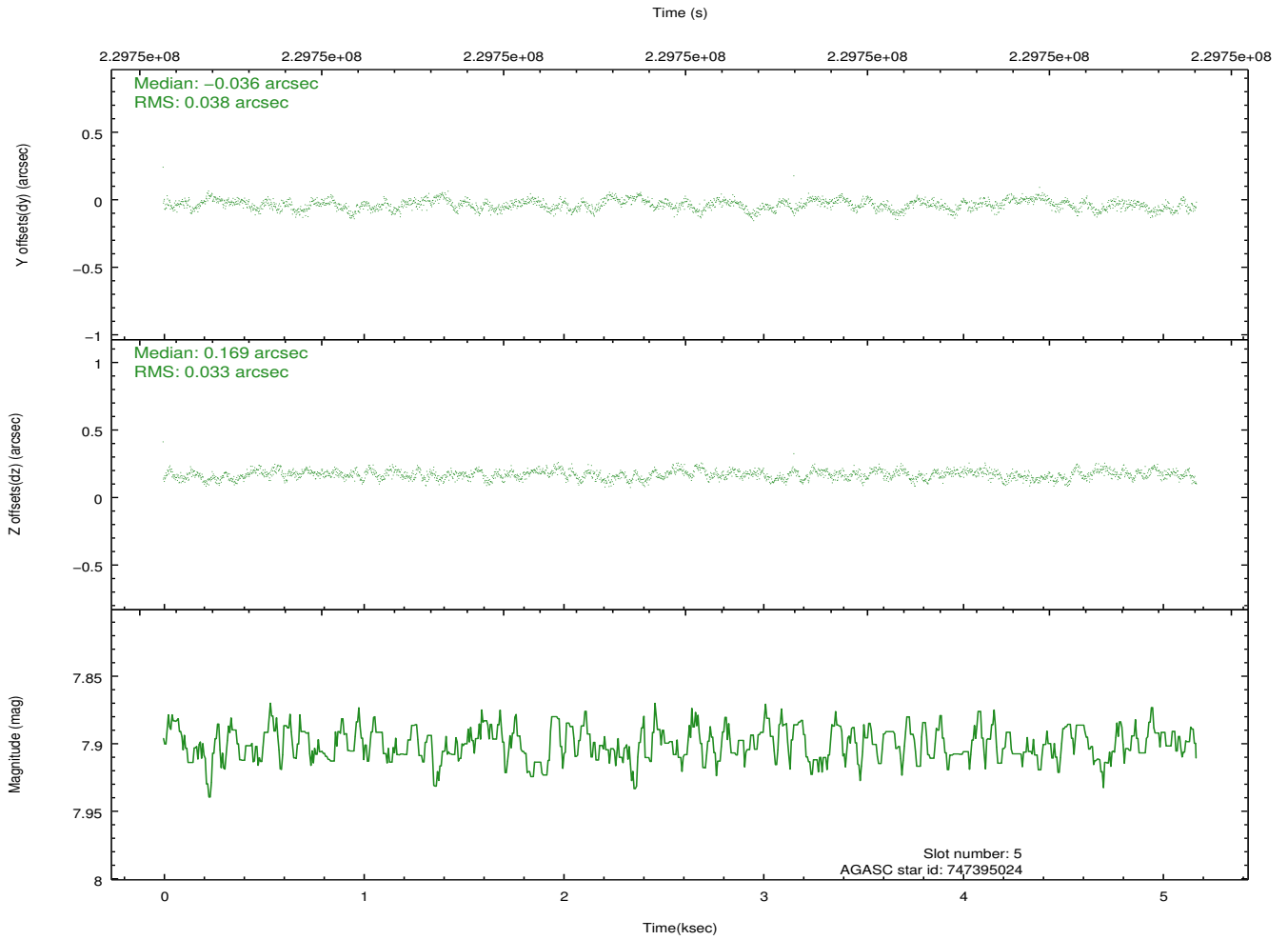
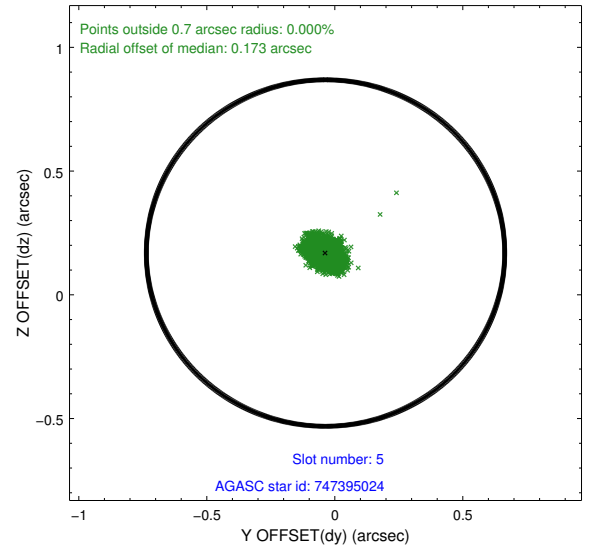
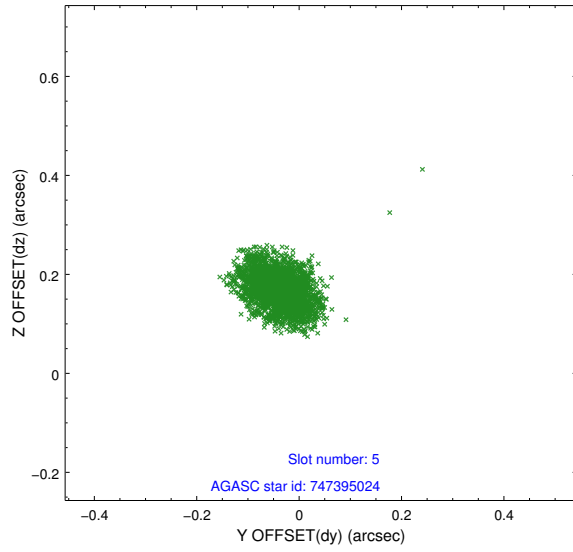
2.4.1 Slot 3



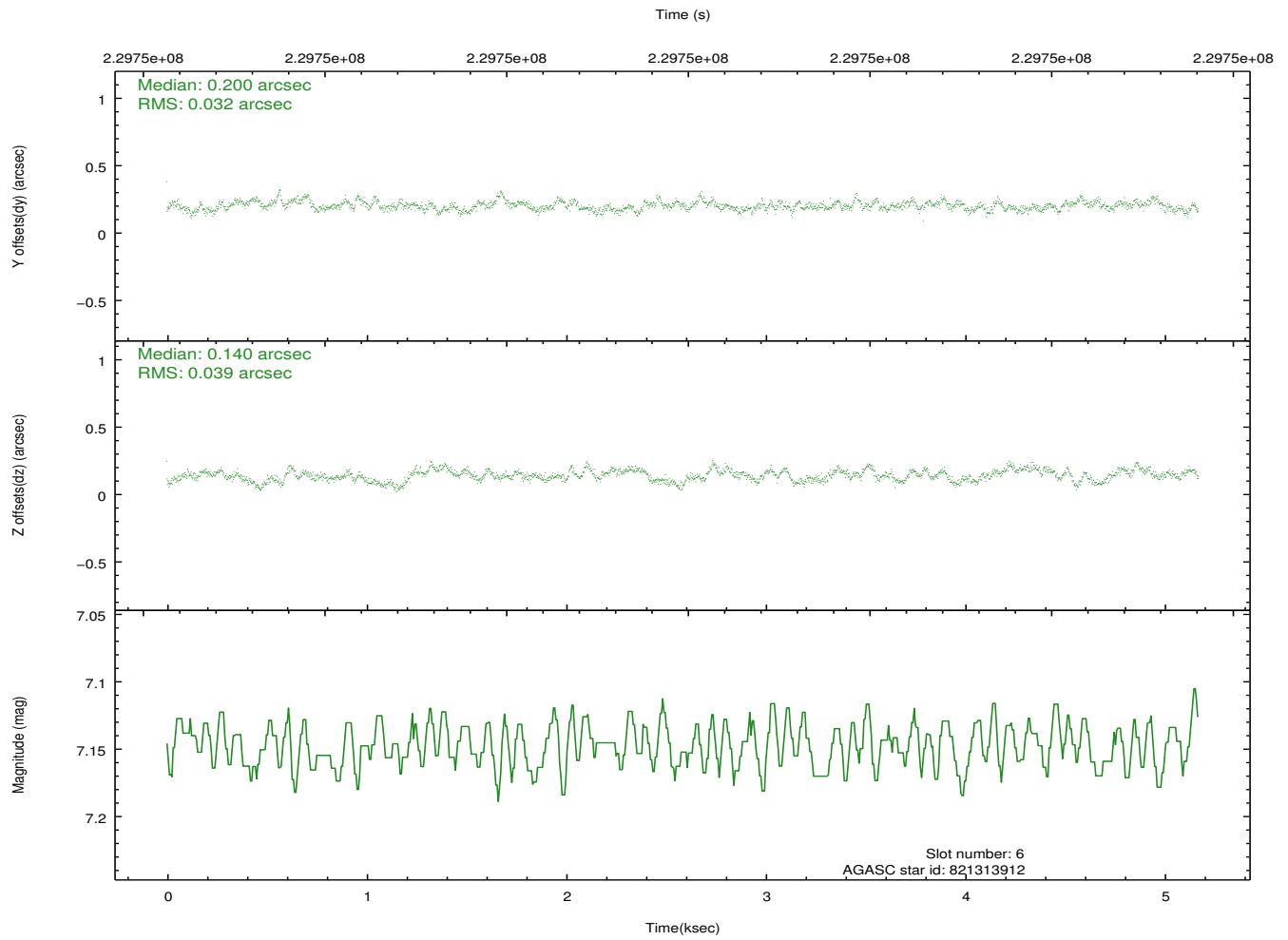
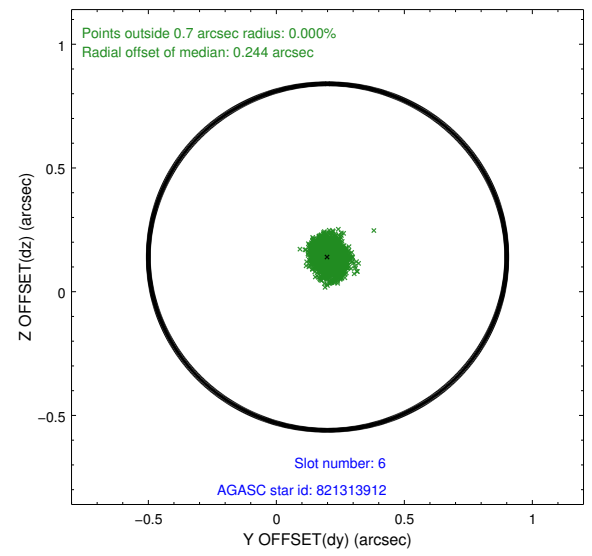
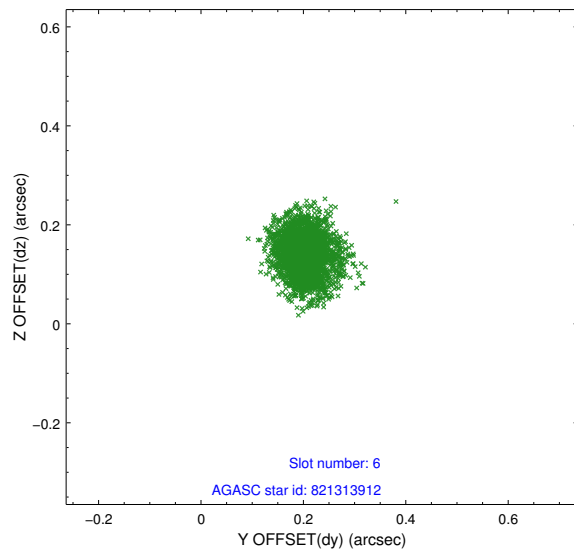
2.4.2 Slot 4



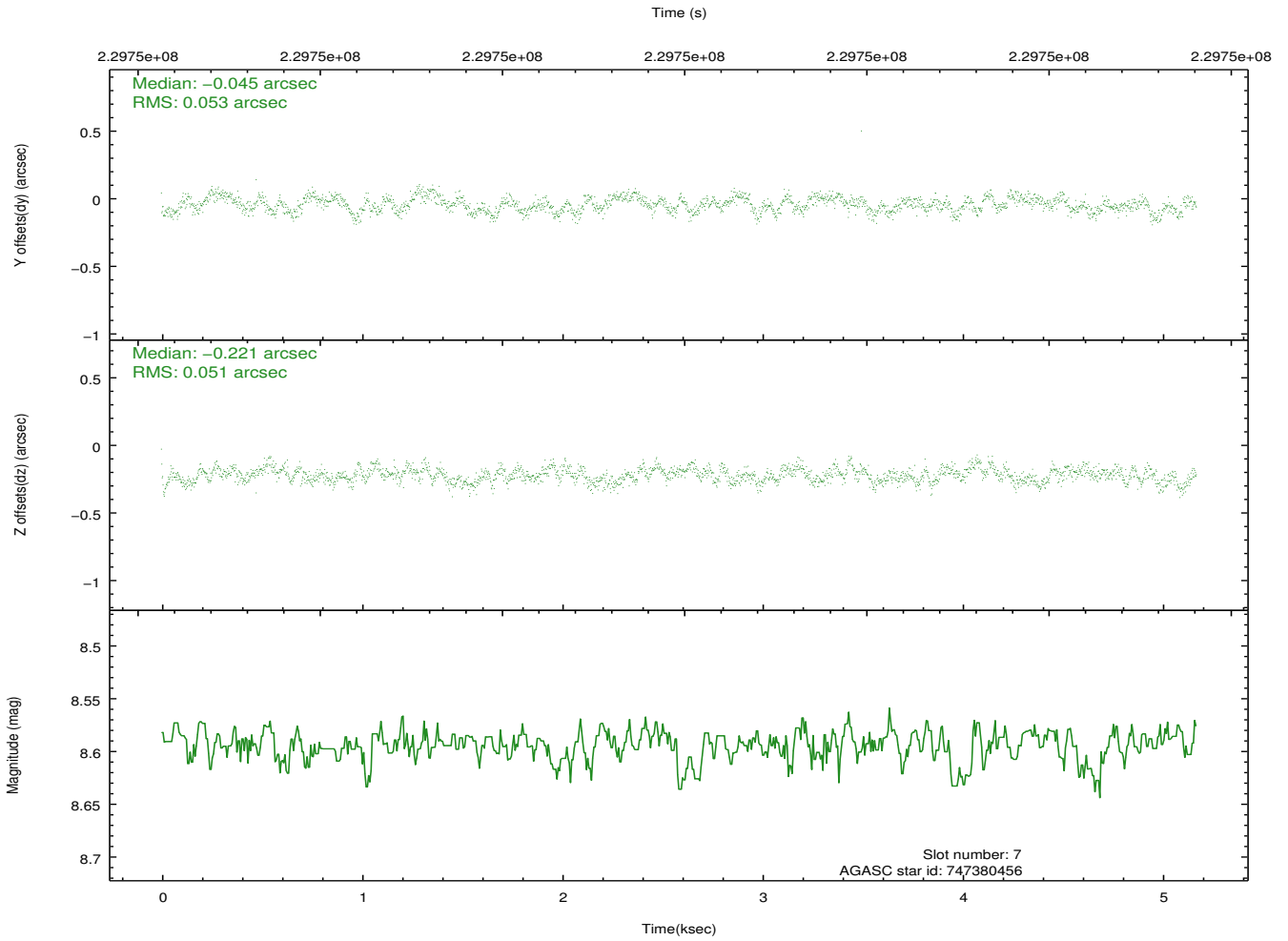
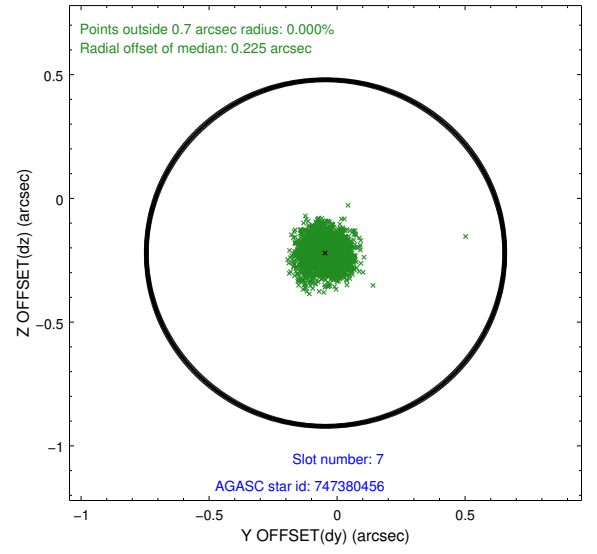
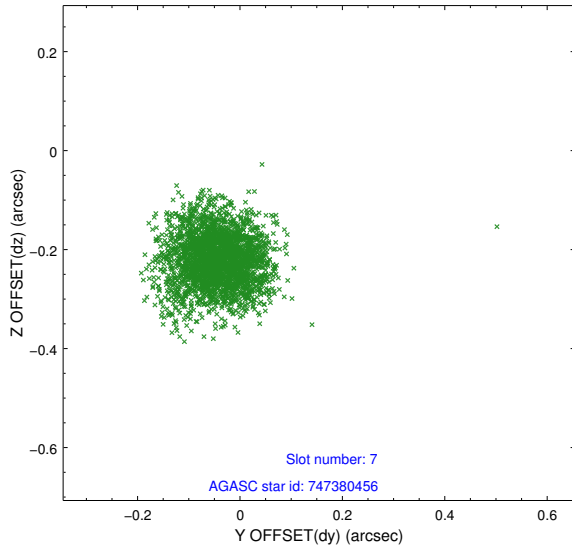
2.4.3 Slot 5



2.4.4 Slot 6

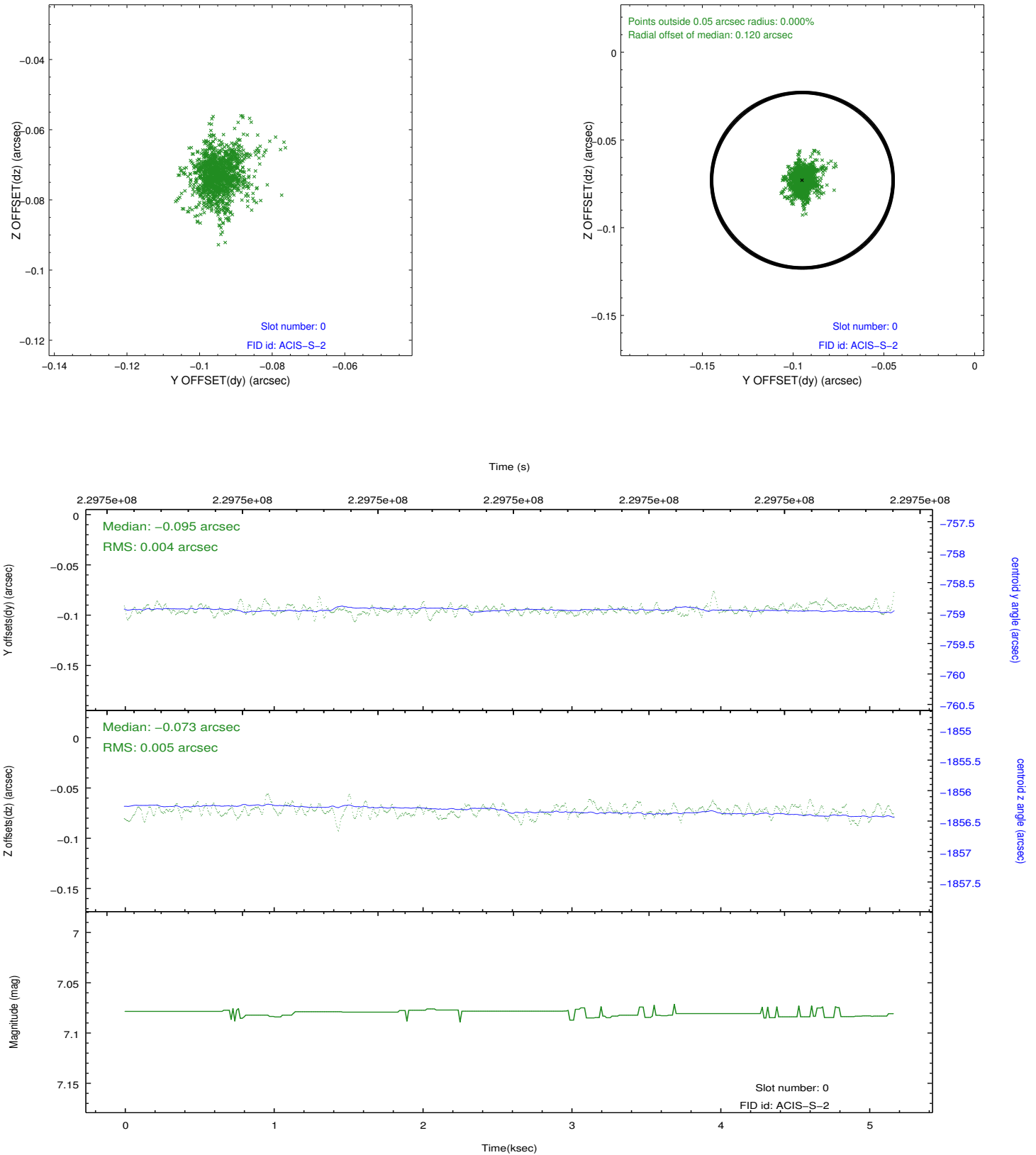


2.4.5 Slot 7

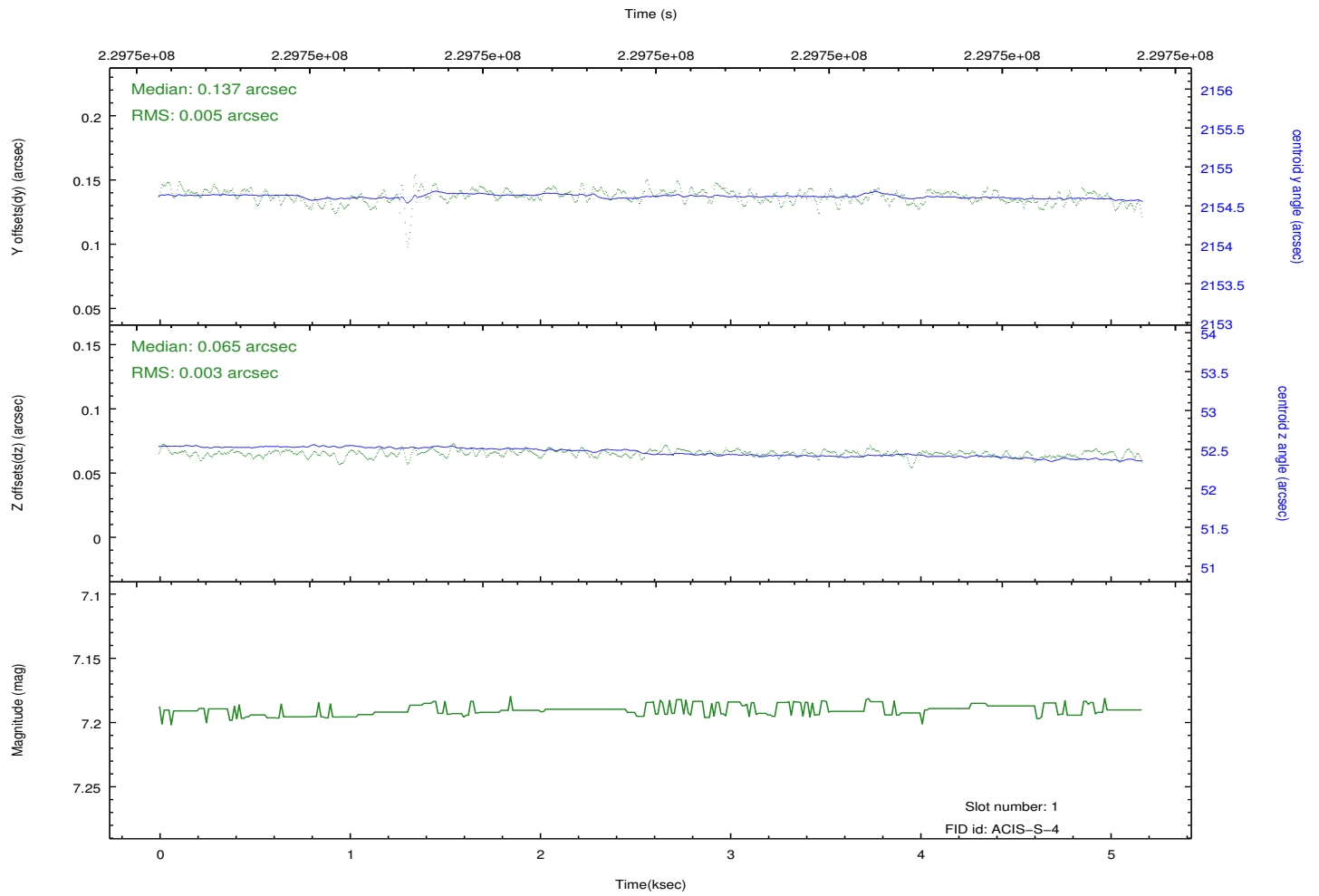
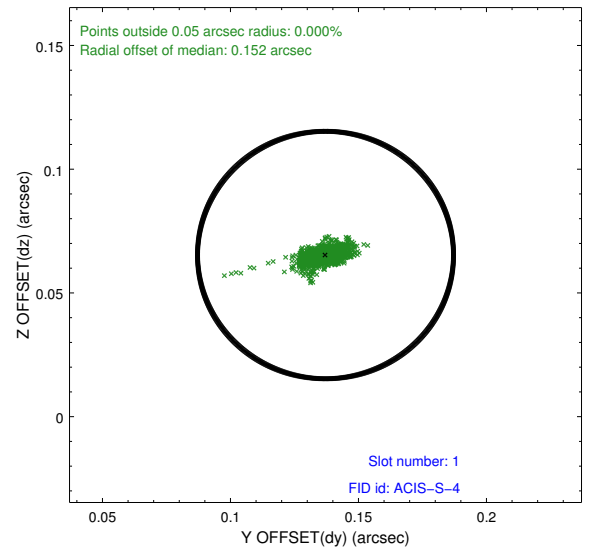
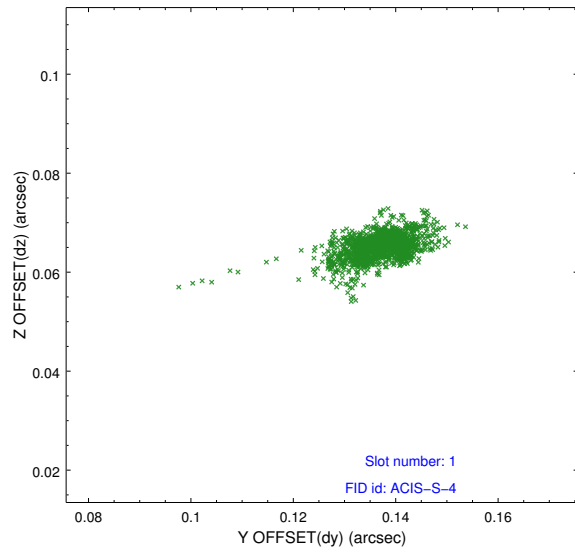


2.5 FID Slots

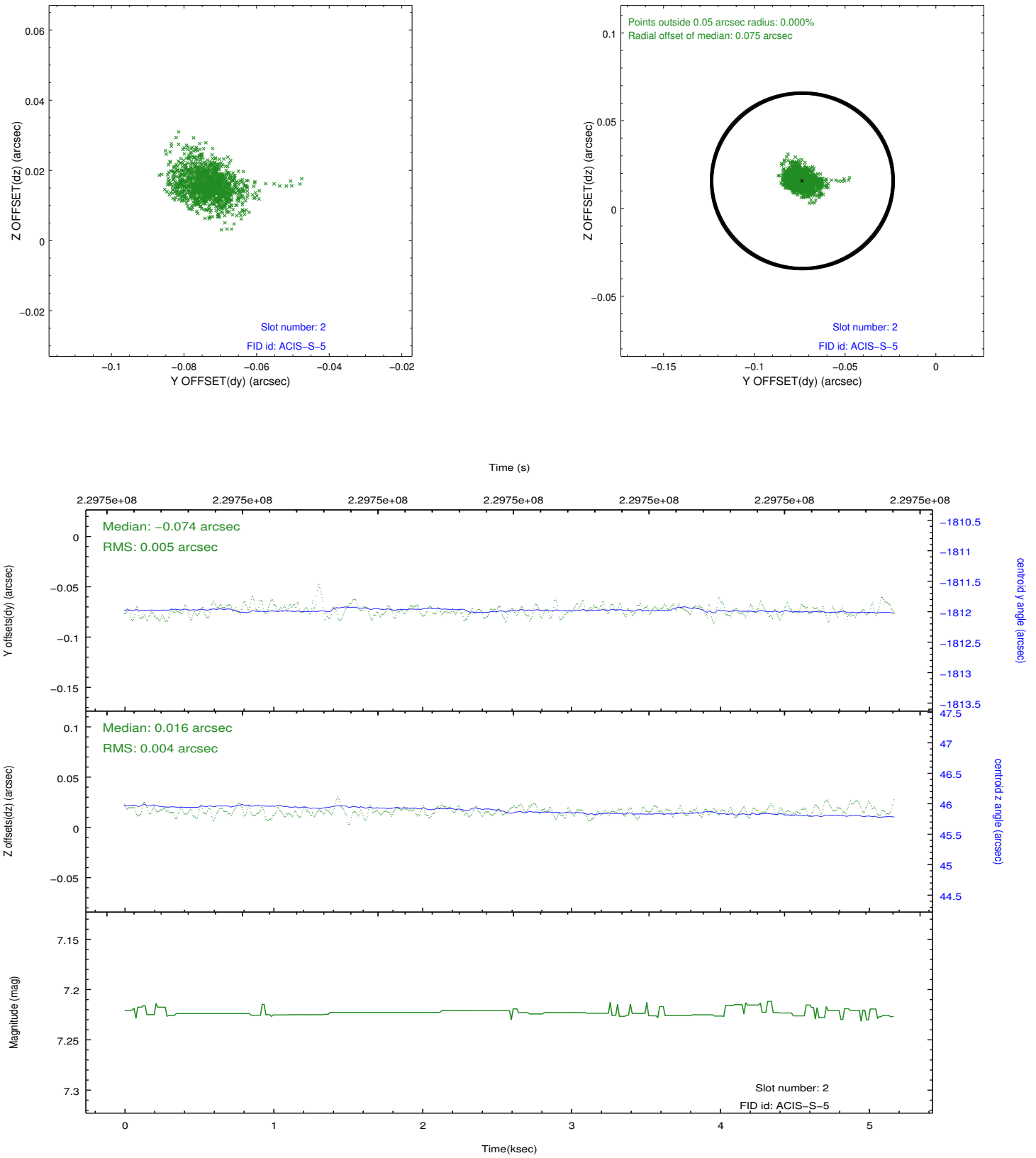
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.169599

A.2 Comments