

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6919 - L2 Version 2
Chandra X-Ray Center

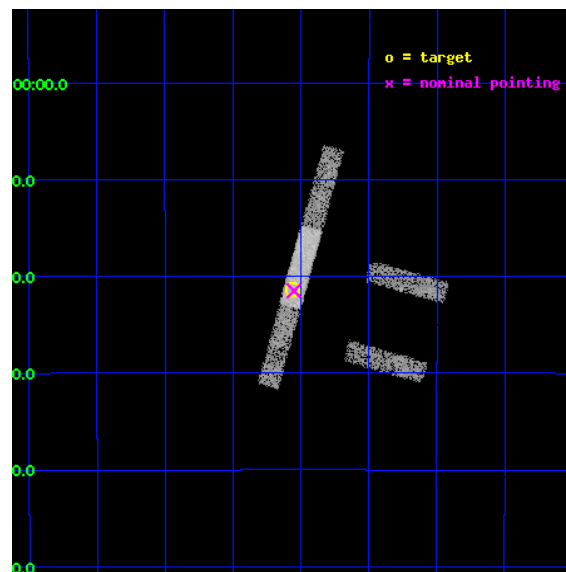
L2 Processing Date : Mar 29 2012

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1 Front

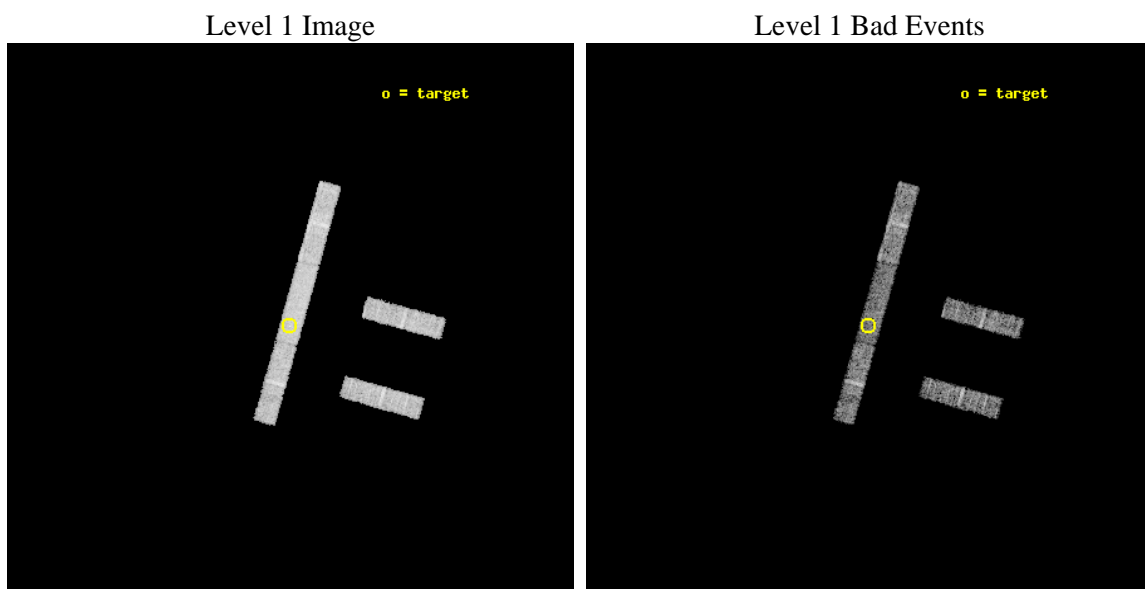
seq_num	701334	Sequence number
obs_id	6919	Observation id
title	Studying the Spatial Structures of the Optical and X-ray Emission Regions of Quasars by Monitoring Microlensing Events	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HE 1104-1805	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.639167	Observer's specified target RA [deg]
dec_targ	-18.356722	Observer's specified target Dec [deg]
ra_nom	166.6379426789	Nominal RA [deg]
dec_nom	-18.358451797655	Nominal Dec [deg]
roll_nom	285.69980924038	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5065.0	Sum of GTIs [s]
livetime	4865.3269807116	Livetime [s]
ontime2	5065.0	Sum of GTIs [s]
ontime3	5065.0	Sum of GTIs [s]
ontime6	5065.0	Sum of GTIs [s]
ontime7	5065.0	Sum of GTIs [s]
ontime8	5065.0	Sum of GTIs [s]
l2events	17252	Number of level 2 events



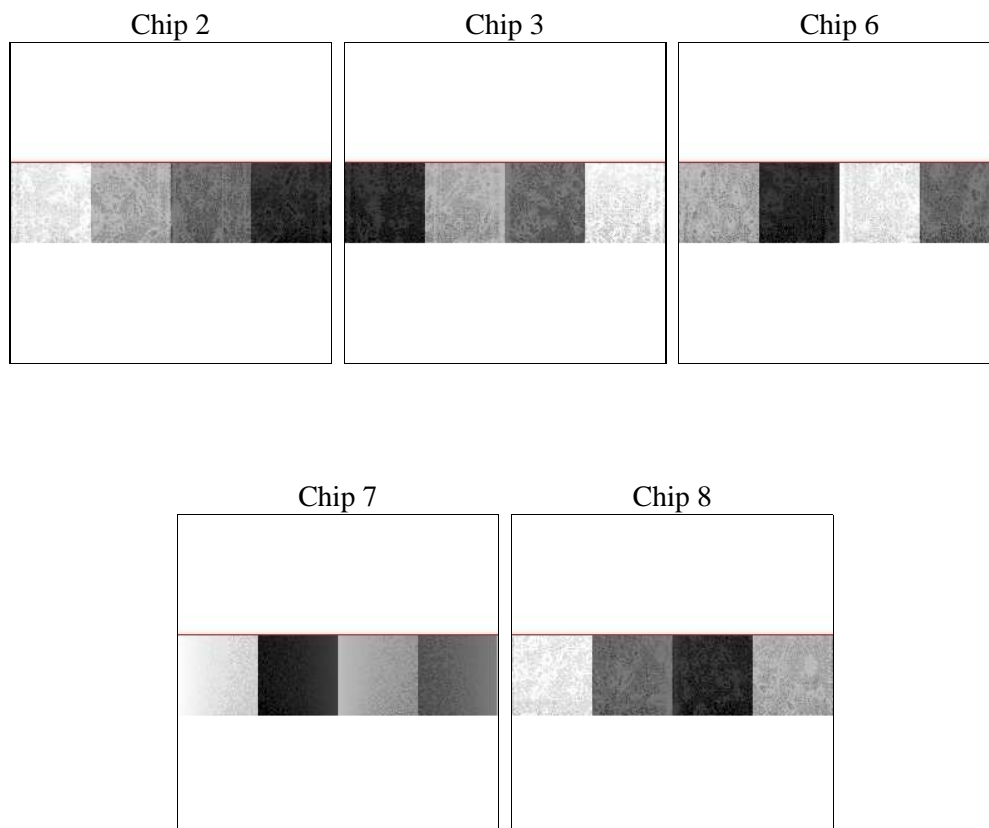
2 OBI

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	8.4.3.1	Processing system revision	ontime	5065.0	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	5065.0	Sum of GTIs [s]
date	2012-03-29T13:41:48	Date and time of file creation	ontime3	5065.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5065.0	Sum of GTIs [s]
			ontime7	5065.0	Sum of GTIs [s]
			ontime8	5065.0	Sum of GTIs [s]
			l1events	81134	Number of level 1 events

2.1.4 Events

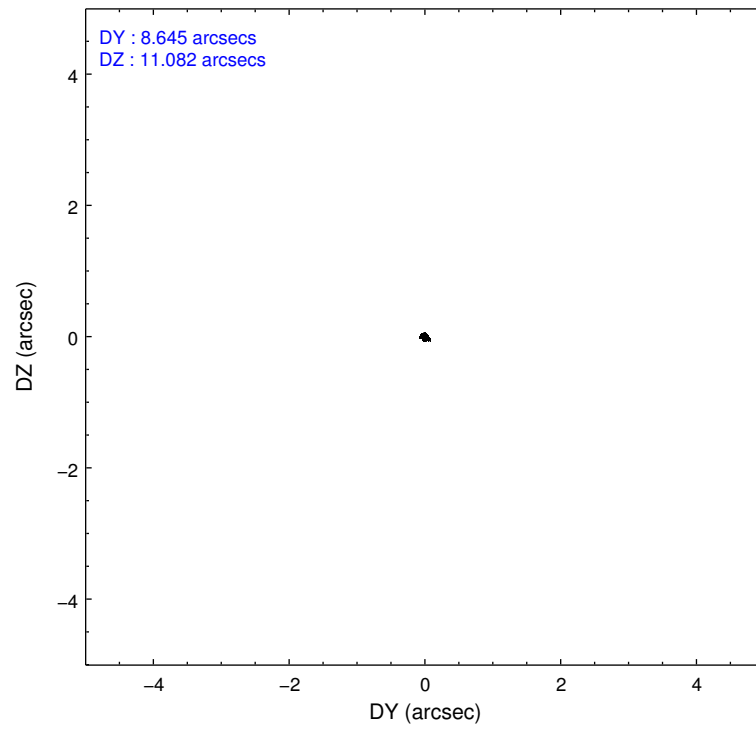
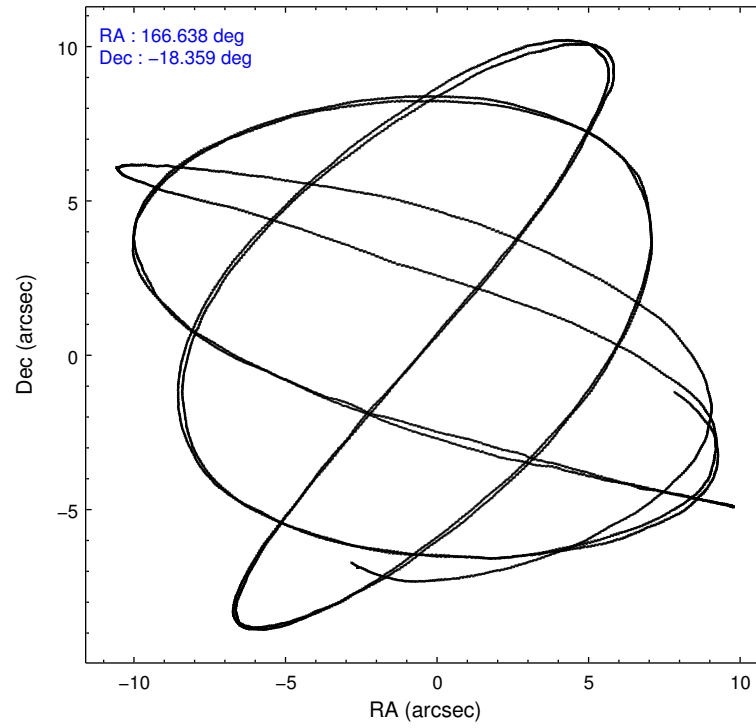
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	13743	13802	14635	19578	19376
rejected events	11716	11793	12225	9614	15327
rejected %	85%	85%	83%	49%	79%

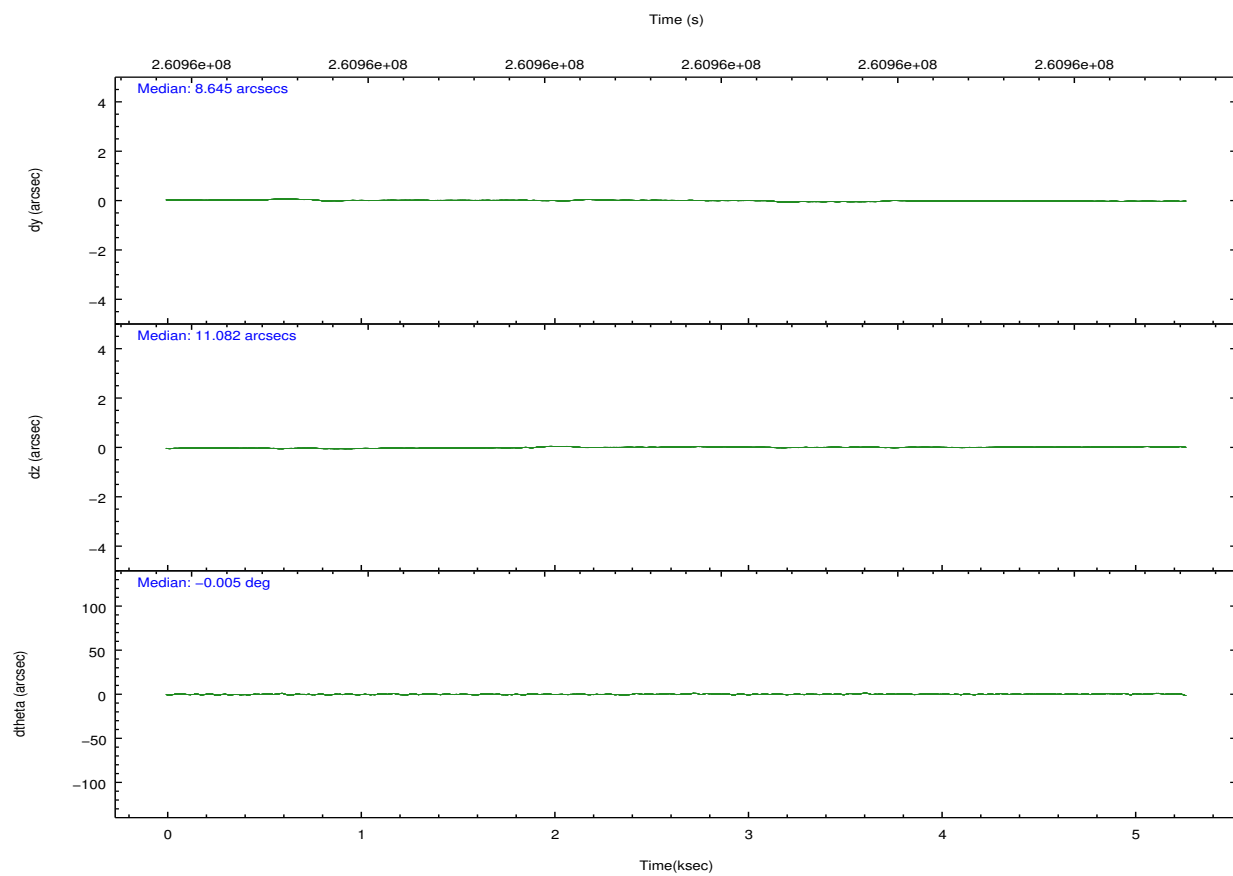
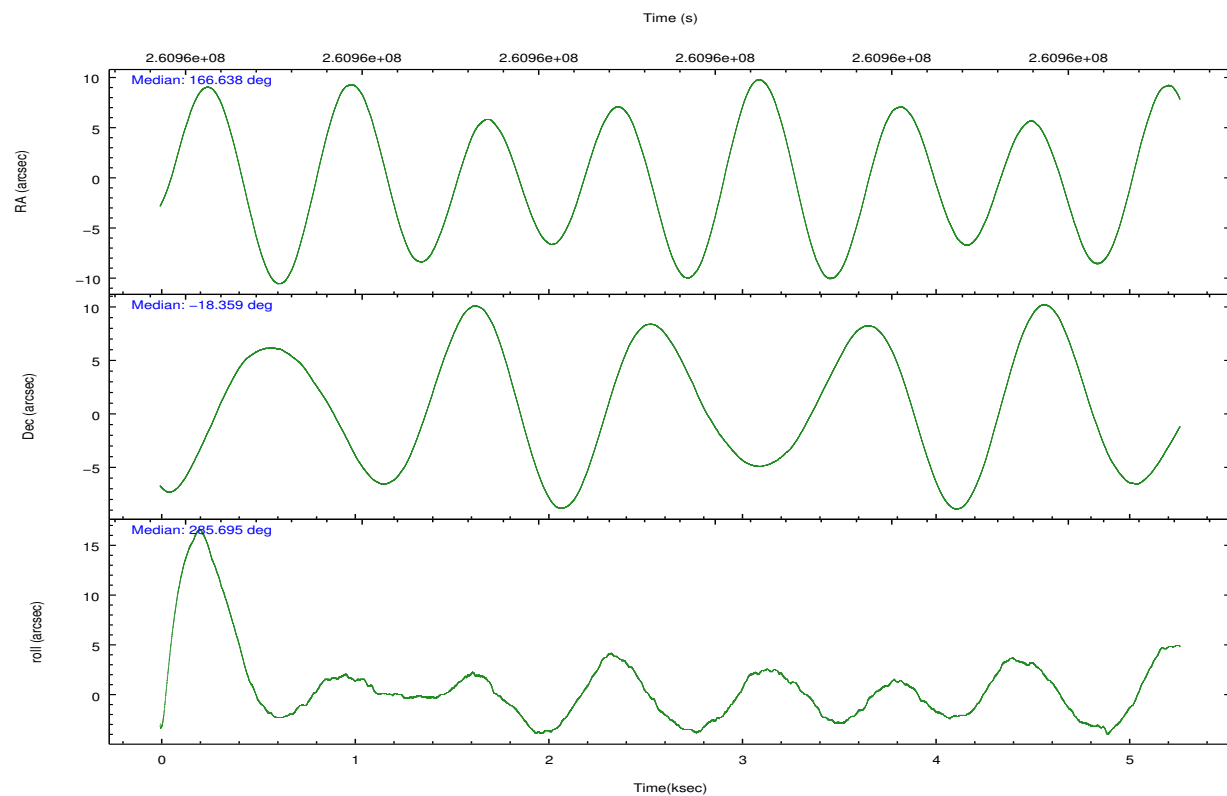
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1015	950	1144	969	1570
	7%	6%	7%	4%	8%
grade 1 events	4	4	6	15	8
	0%	0%	0%	0%	0%
grade 2 events	323	359	497	1950	801
	2%	2%	3%	9%	4%
grade 3 events	200	212	222	920	402
	1%	1%	1%	4%	2%
grade 4 events	244	206	213	911	420
	1%	1%	1%	4%	2%
grade 5 events	450	505	540	1498	708
	3%	3%	3%	7%	3%
grade 6 events	245	283	334	5216	856
	1%	2%	2%	26%	4%
grade 7 events	11262	11283	11679	8099	14611
	81%	81%	79%	41%	75%

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	166.617021	166.6379426788985	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-18.339610	-18.35845179765459	Subarray start row	385	385
[deg] Pointing Roll	285.536597	285.6998092403753	Subarray row count	256	256
[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
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	260960371.184000	260959641.94821			
Observation start date	2006-04-09T08:58:26	2006-04-09T08:47:21			
[s] Observation end time (MET)	260965371.184000	260966066.13601			
Observation end date	2006-04-09T10:21:46	2006-04-09T10:34:26			
Read mode	TIMED	TIMED			

2.3 Aspect



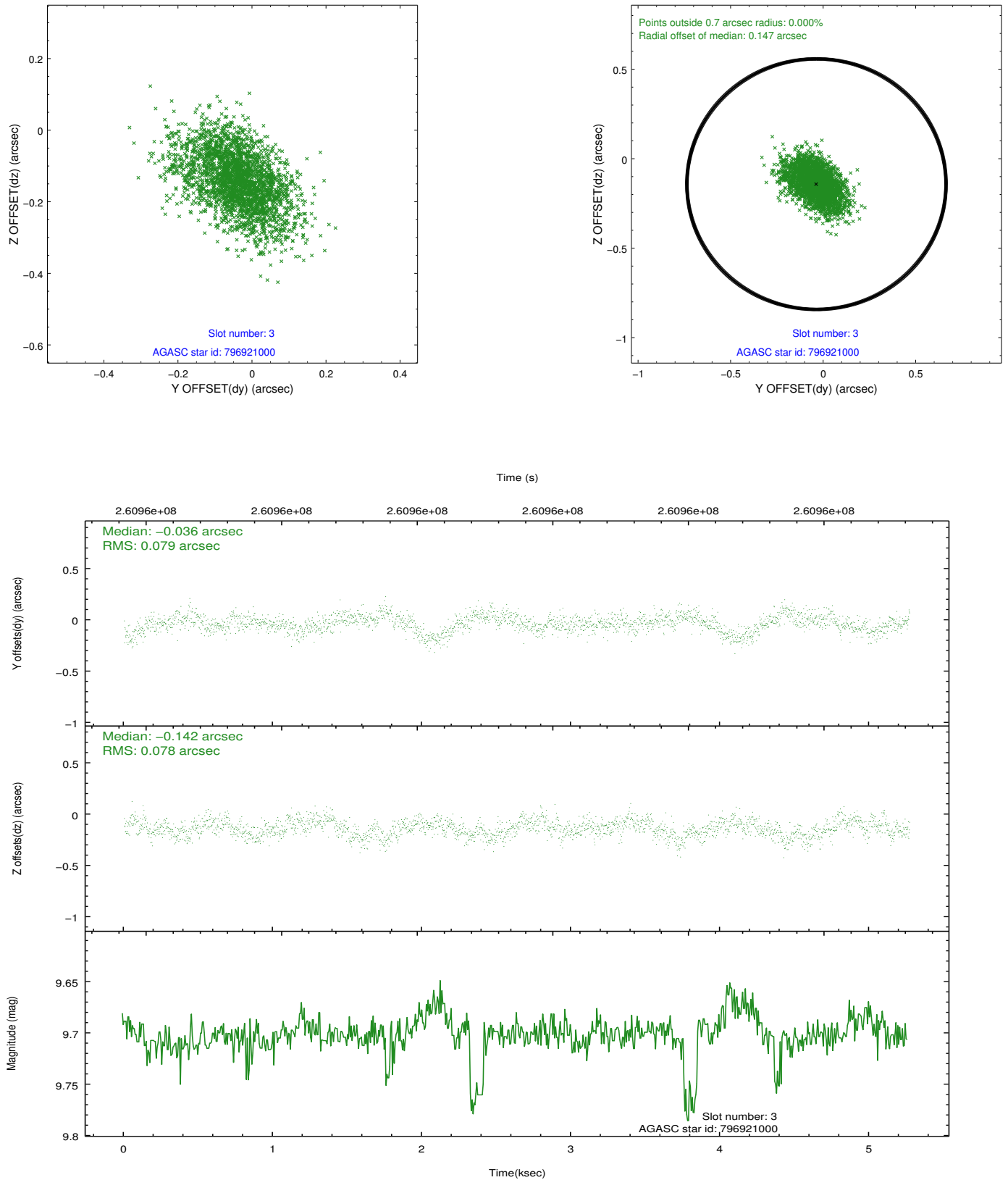


Slot Statistics

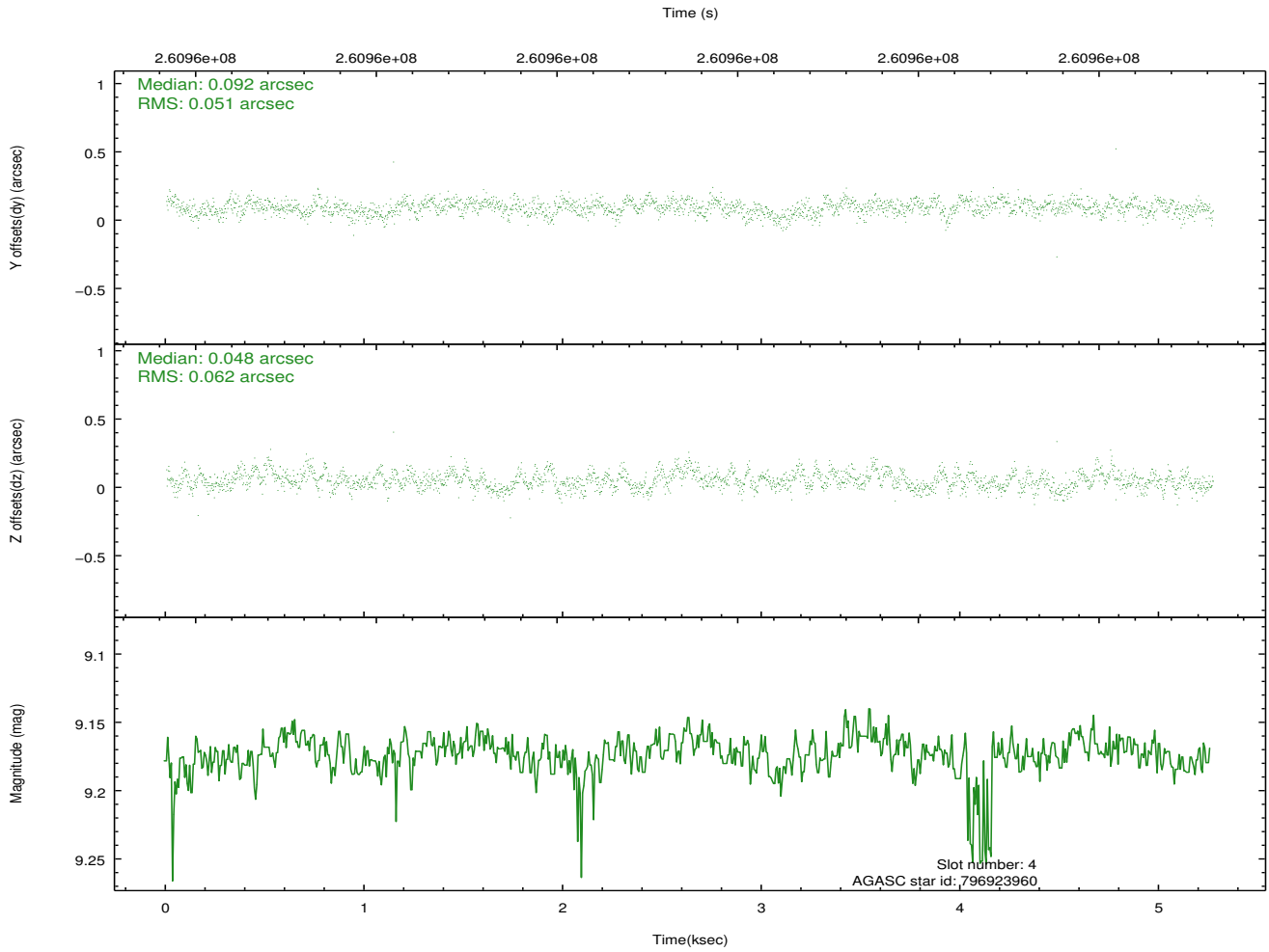
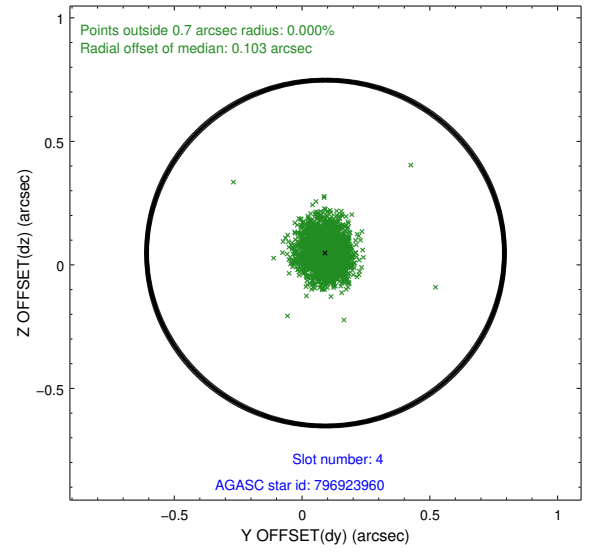
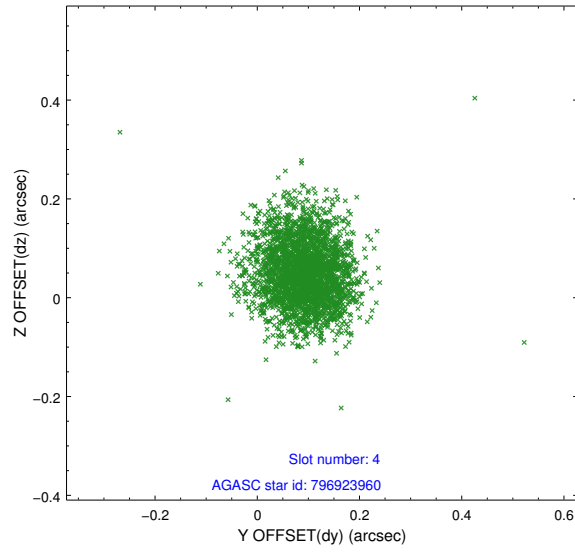
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1285	-0.036	-0.015	0.007	0.011	0.000000	0.000000	-761.44	-1732.38
1	FID	ACIS-S-4	7.21	1285	0.139	0.022	0.006	0.011	0.000000	0.000000	2151.46	175.01
2	FID	ACIS-S-5	7.23	1286	-0.135	0.002	0.007	0.012	0.000000	0.000000	-1812.94	169.89
3	GUIDE	796921000	9.70	2568	-0.036	-0.142	0.117	0.199	166.658084	-18.401963	253.58	74.72
4	GUIDE	796923960	9.17	2565	0.092	0.048	0.085	0.138	167.114946	-18.113690	-325.32	1858.42
5	GUIDE	796928784	8.42	2570	-0.083	-0.014	0.069	0.112	166.853792	-17.800971	-1650.93	1301.60
6	GUIDE	796930880	9.93	2568	0.004	0.026	0.146	0.237	166.119482	-18.145311	-1128.25	-1452.98
7	GUIDE	796928024	9.11	2570	0.042	0.080	0.084	0.138	167.293410	-18.855839	2411.13	1720.78

2.4 Star Slots

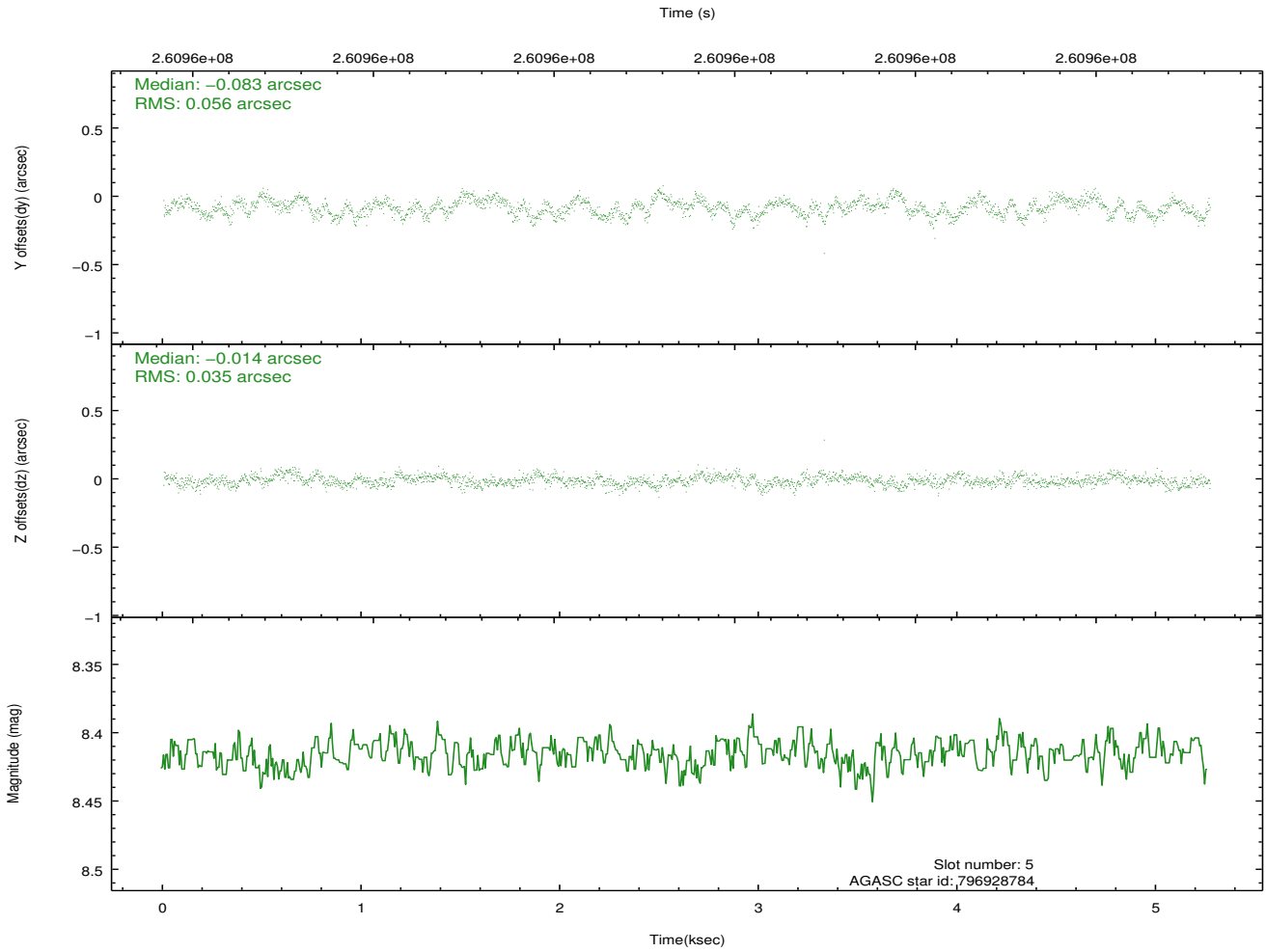
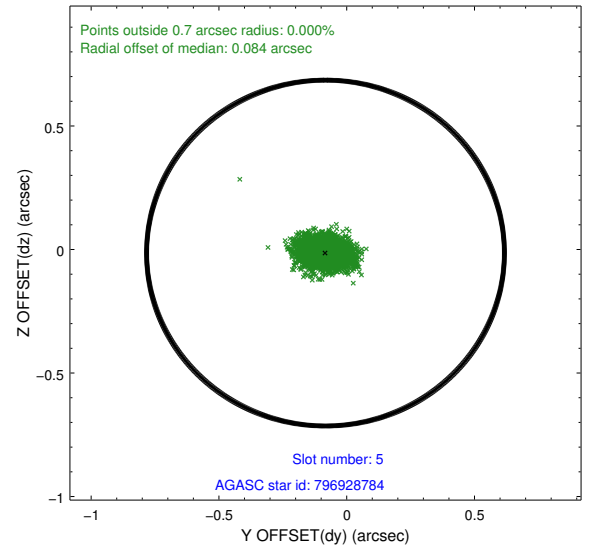
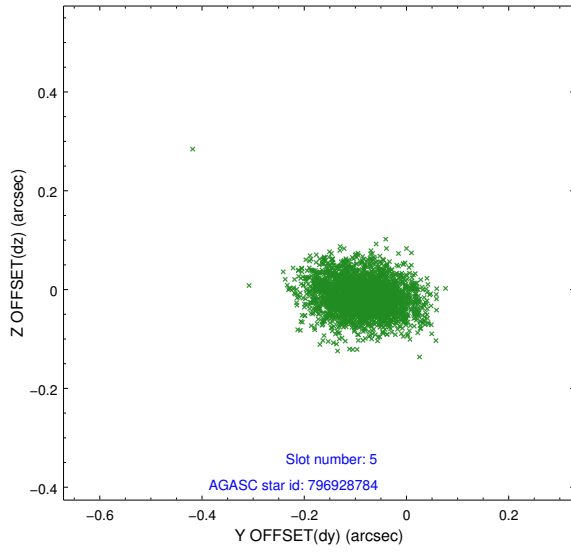
2.4.1 Slot 3



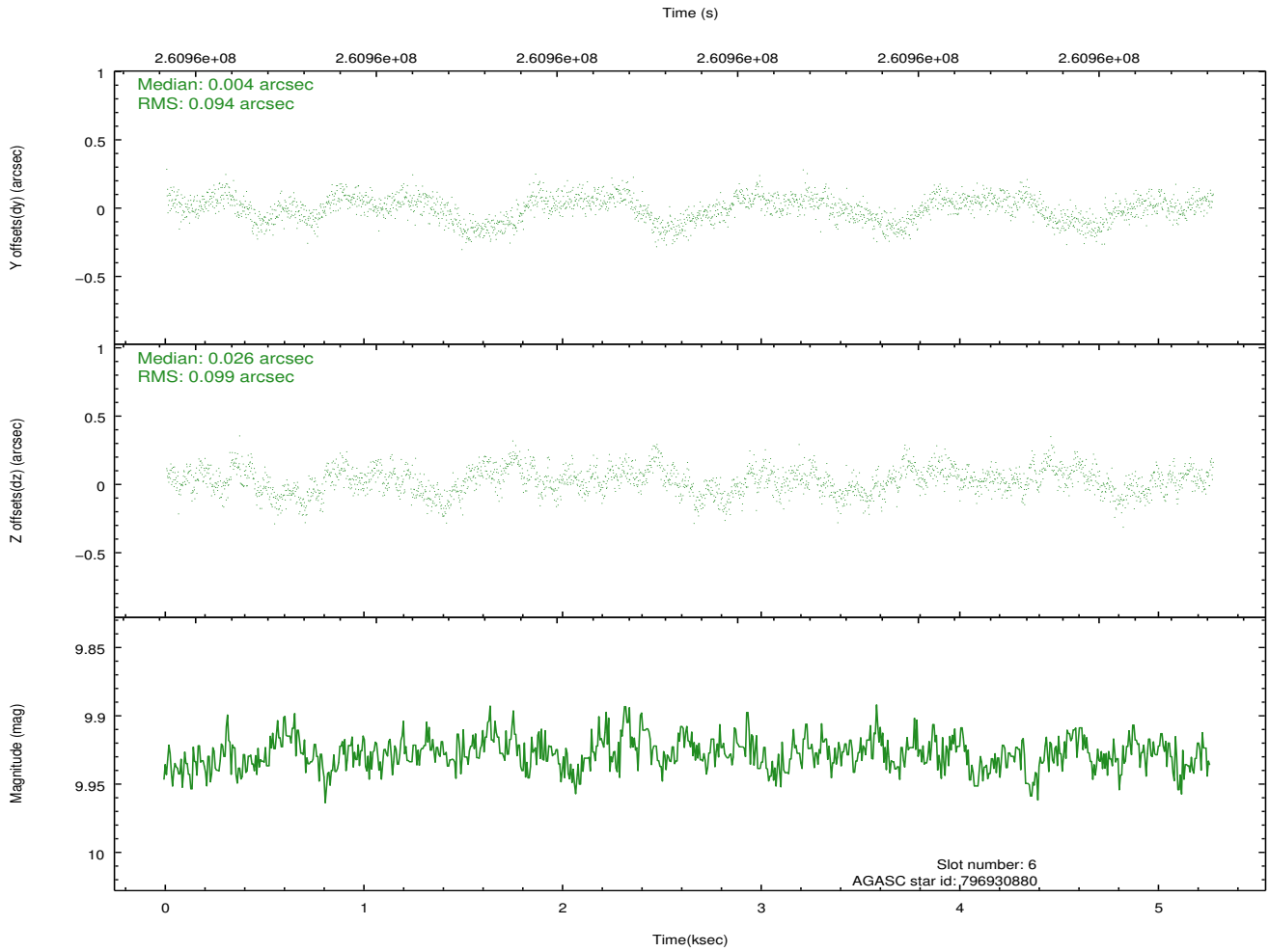
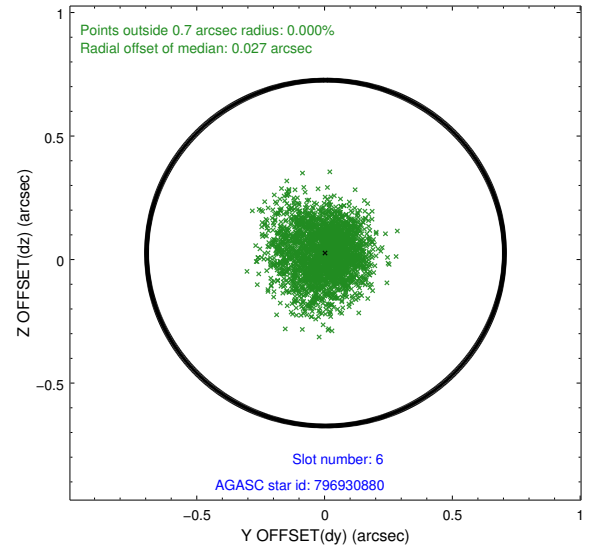
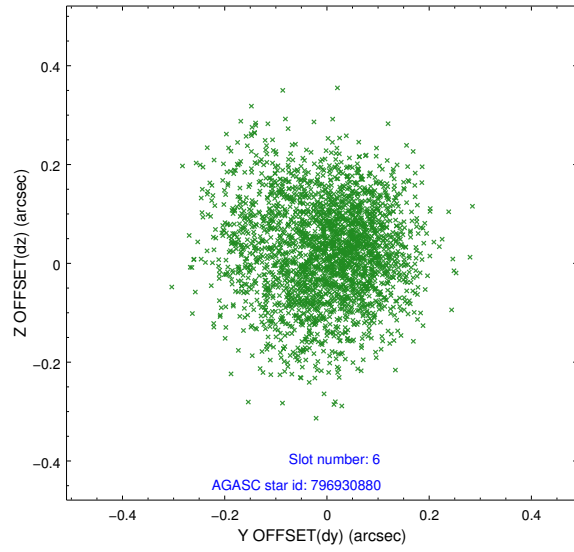
2.4.2 Slot 4



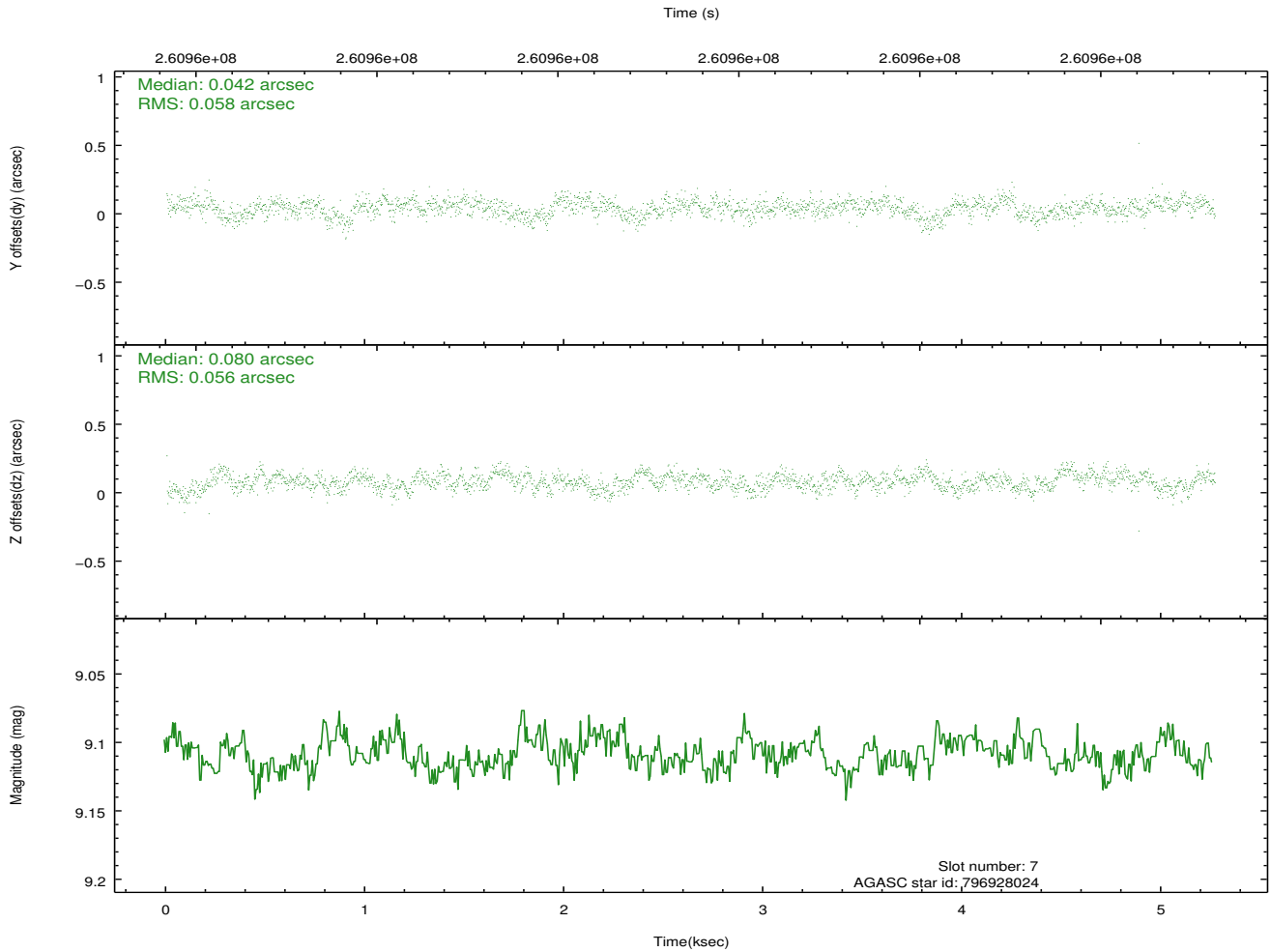
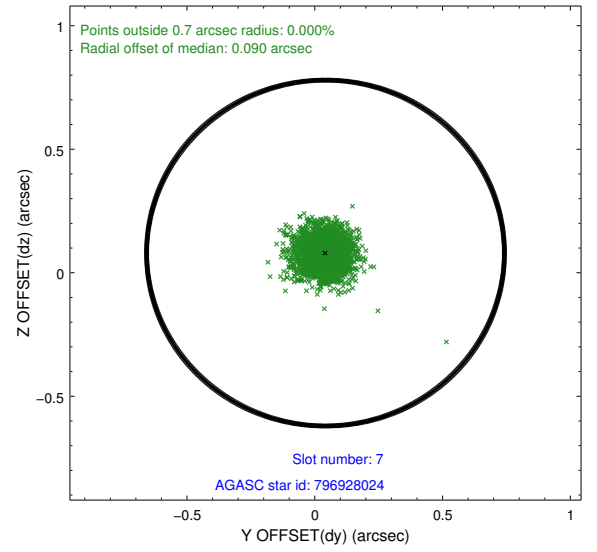
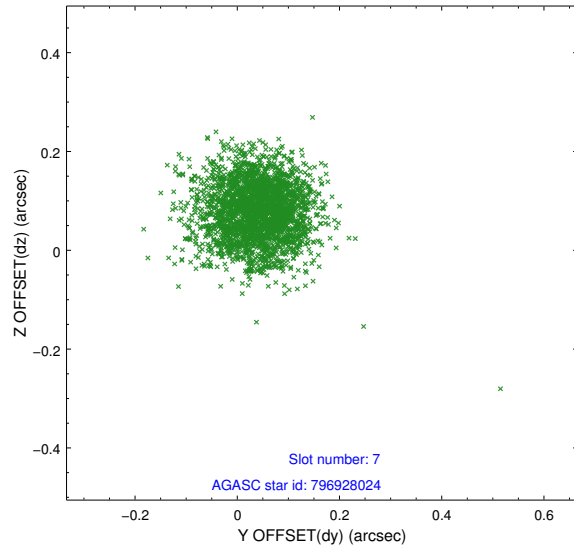
2.4.3 Slot 5



2.4.4 Slot 6

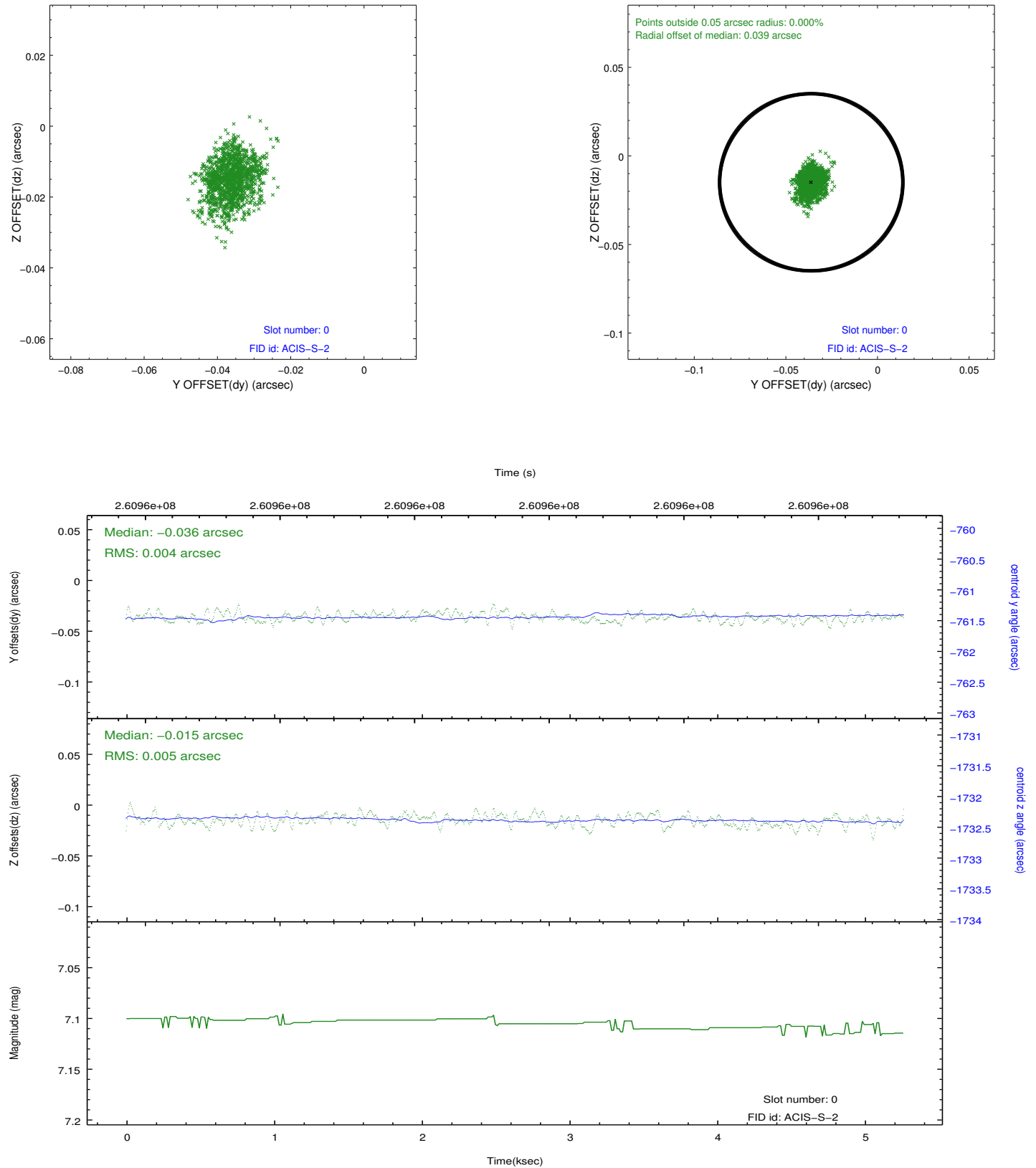


2.4.5 Slot 7

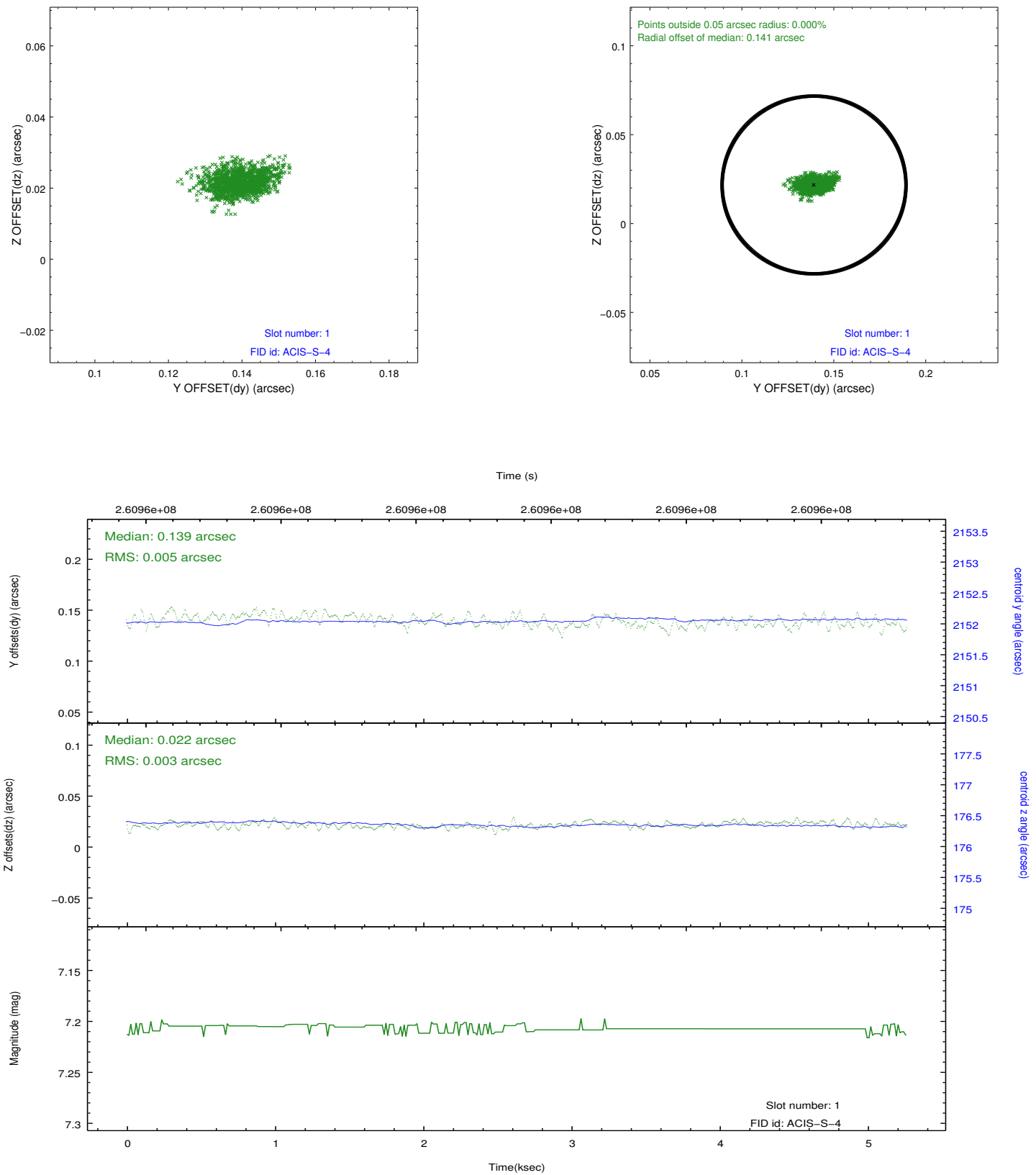


2.5 FID Slots

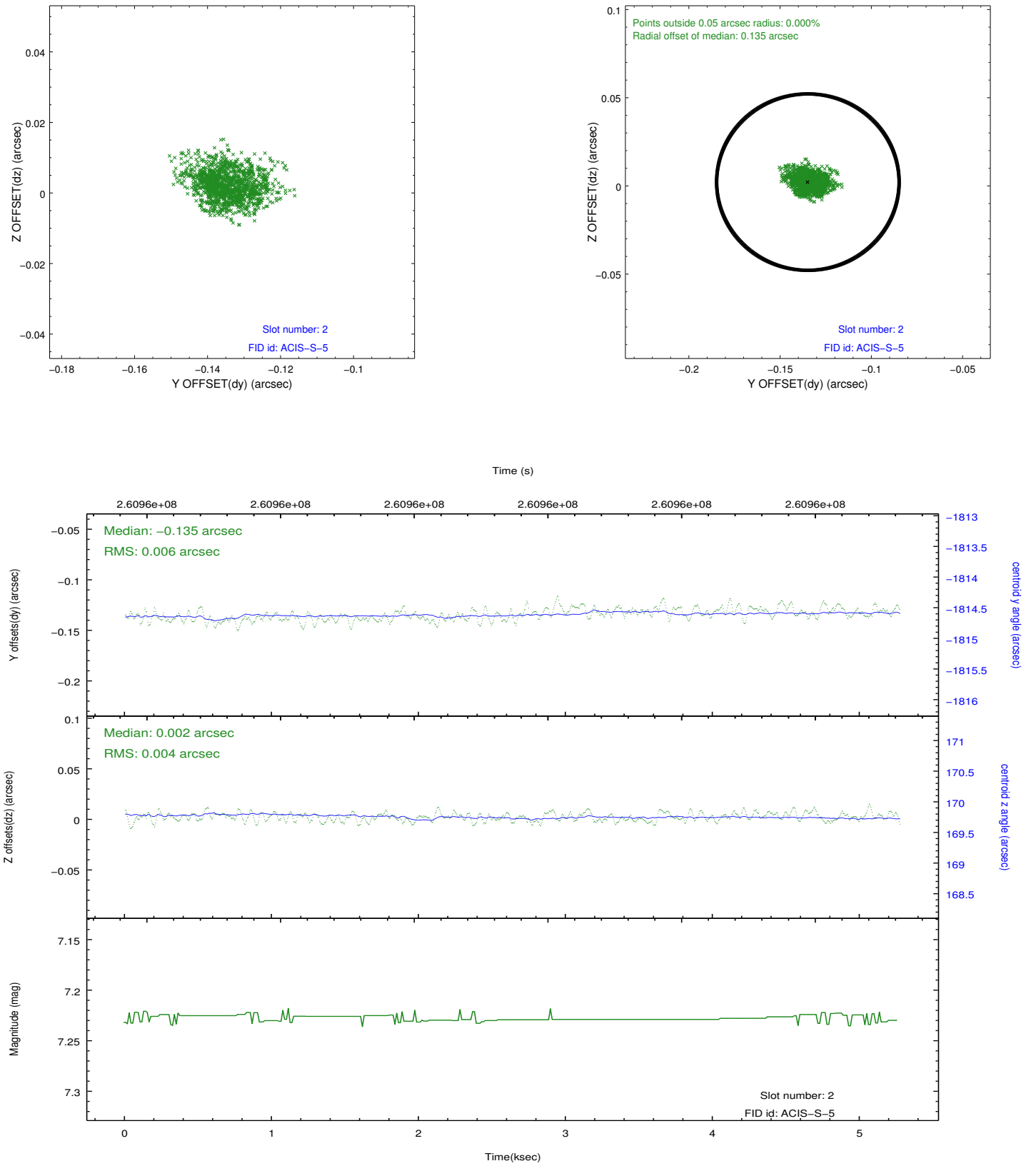
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.065

A.2 Comments