

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7694 - L2 Version 3
Chandra X-Ray Center

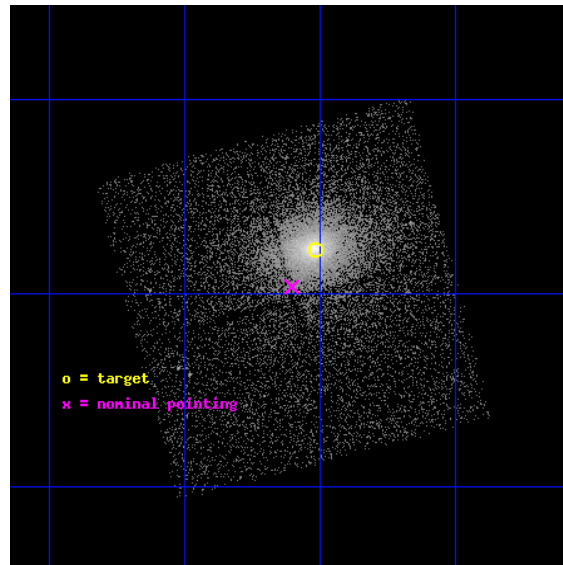
L2 Processing Date : Apr 18 2012

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1 Front

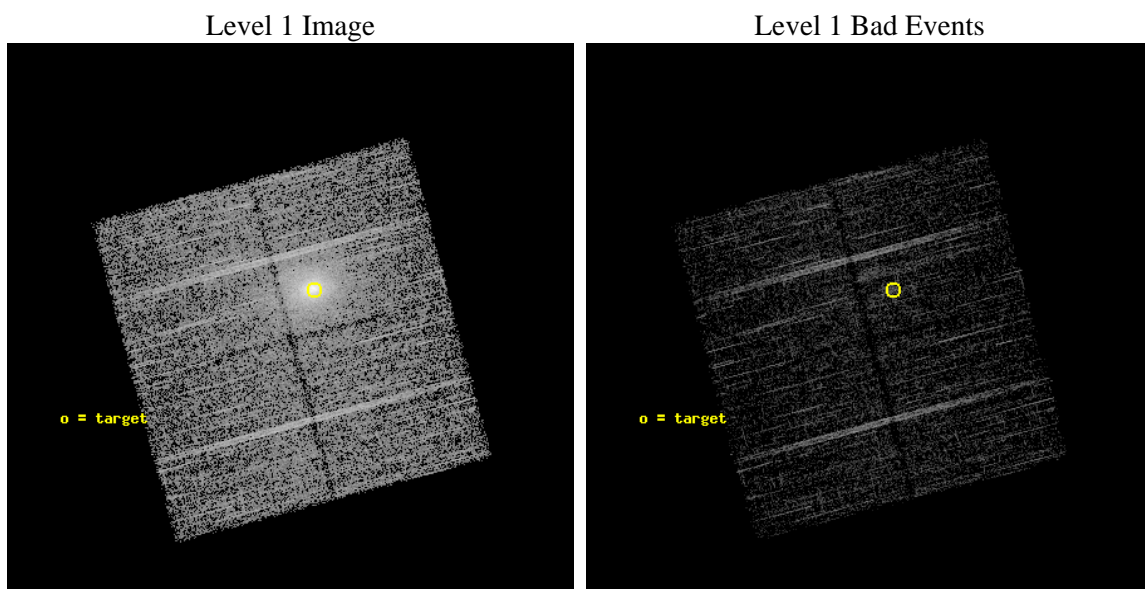
seq_num	701362	Sequence number
obs_id	7694	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	PKS0745-191	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	116.879583	Observer's specified target RA [deg]
dec_targ	-19.296389	Observer's specified target Dec [deg]
ra_nom	116.90108727375	Nominal RA [deg]
dec_nom	-19.327864435669	Nominal Dec [deg]
roll_nom	345.0301794719	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5058.8308482766	Sum of GTIs [s]
livetime	4992.7334989868	Livetime [s]
ontime0	5058.7077282667	Sum of GTIs [s]
ontime1	5058.74876827	Sum of GTIs [s]
ontime2	5058.7898082733	Sum of GTIs [s]
ontime3	5058.8308482766	Sum of GTIs [s]
l2events	37591	Number of level 2 events



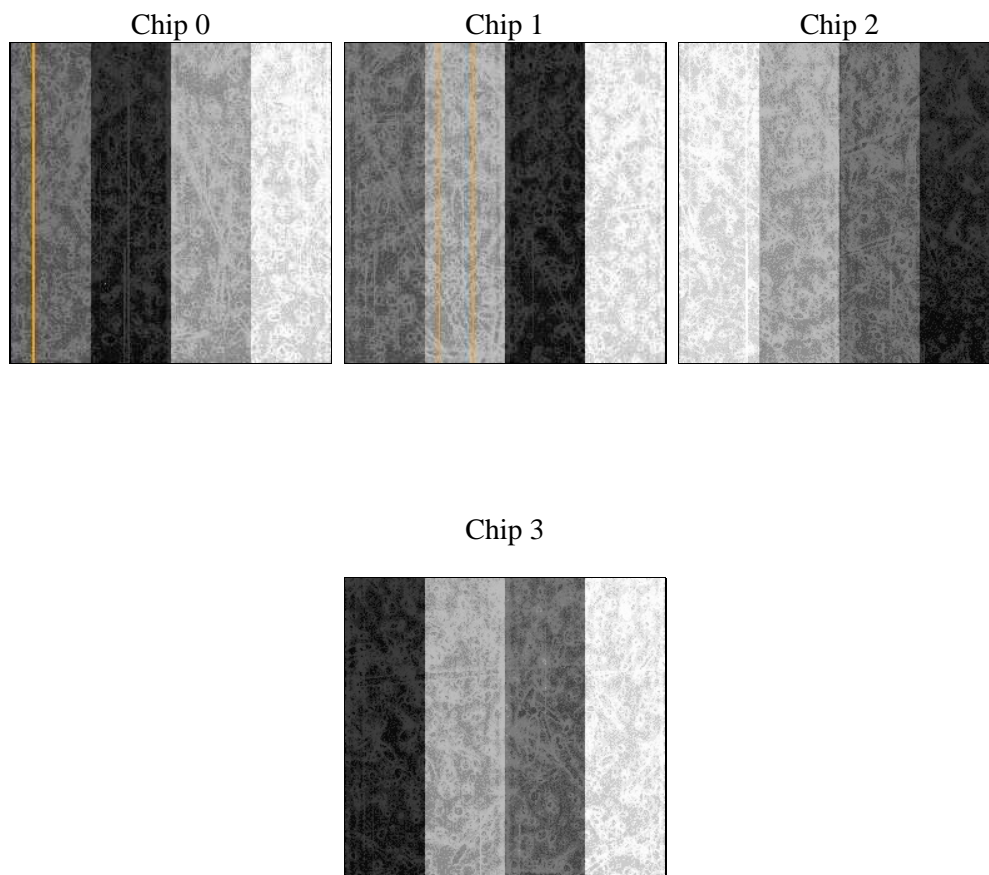
2 OBI

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	8.4.4	Processing system revision	ontime	5058.8308482766	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5058.7077282667	Sum of GTIs [s]
date	2012-04-19T02:13:59	Date and time of file creation	ontime1	5058.74876827	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5058.7898082733	Sum of GTIs [s]
			ontime3	5058.8308482766	Sum of GTIs [s]
			l1events	163301	Number of level 1 events

2.1.4 Events

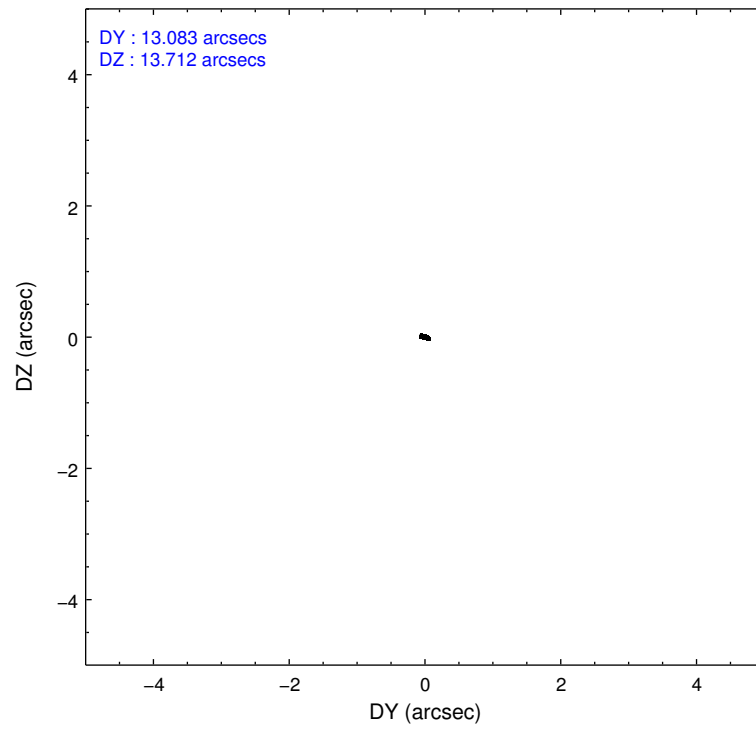
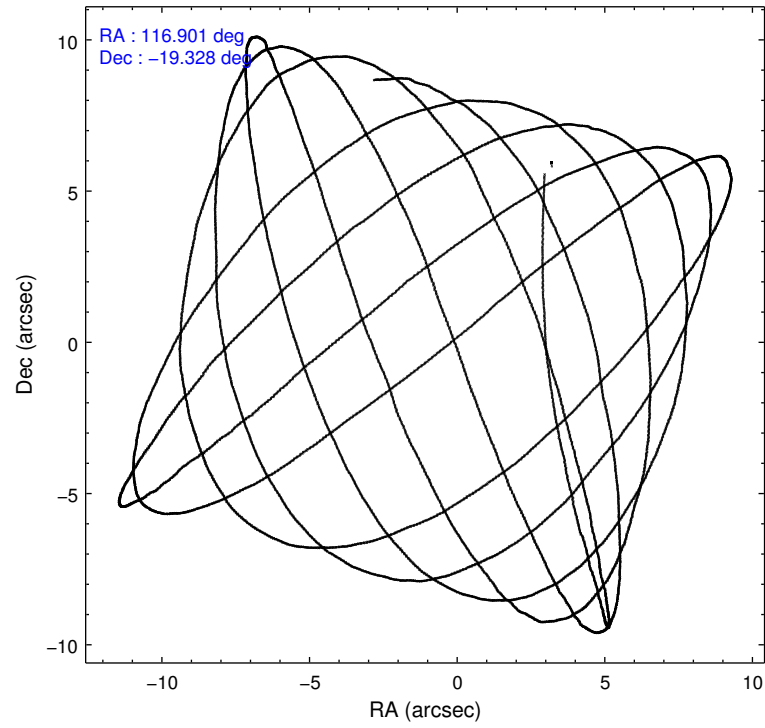
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	32156	33229	38885	59031
rejected events	28700	28939	33503	31202
rejected %	89%	87%	86%	52%

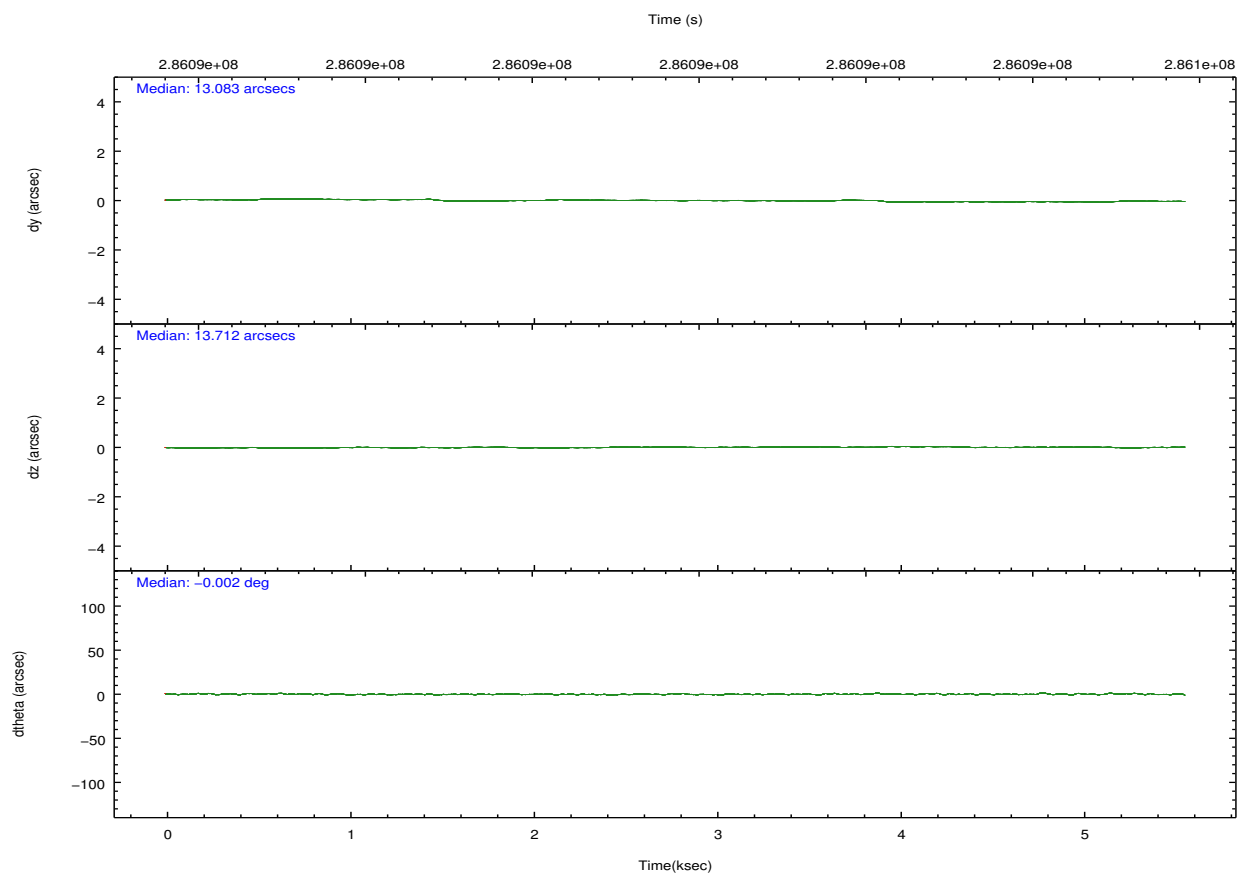
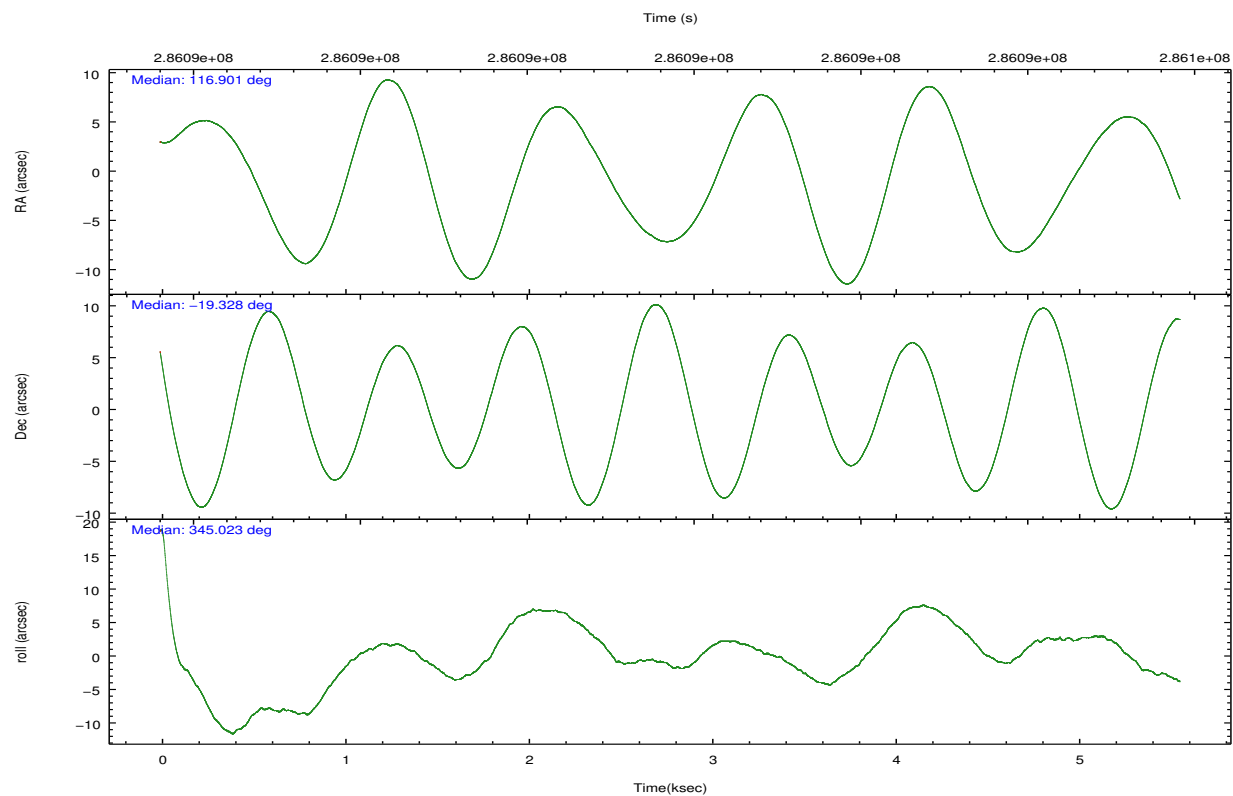
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1563	2156	3143	20899
	4%	6%	8%	35%
grade 1 events	18	22	39	182
	0%	0%	0%	0%
grade 2 events	765	821	969	3316
	2%	2%	2%	5%
grade 3 events	363	391	406	1175
	1%	1%	1%	1%
grade 4 events	333	398	383	1195
	1%	1%	0%	2%
grade 5 events	538	658	548	769
	1%	1%	1%	1%
grade 6 events	434	527	485	1264
	1%	1%	1%	2%
grade 7 events	28142	28256	32912	30231
	87%	85%	84%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	116.872847	116.9010872737541	Subarray requested	NONE	NONE
[deg] Pointing Dec	-19.335076	-19.32786443566875	Alternating exposures requested	N	N
[deg] Pointing Roll	344.812085	345.030179471899	[s] Primary exposure time	0.000000	3.1
[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)	286089634.184000	286088577.46671			
Observation start date	2007-01-25T05:19:29	2007-01-25T05:02:57			
[s] Observation end time (MET)	286094634.184000	286095758.10455			
Observation end date	2007-01-25T06:42:49	2007-01-25T07:02:38			
Read mode	TIMED	TIMED			

2.3 Aspect



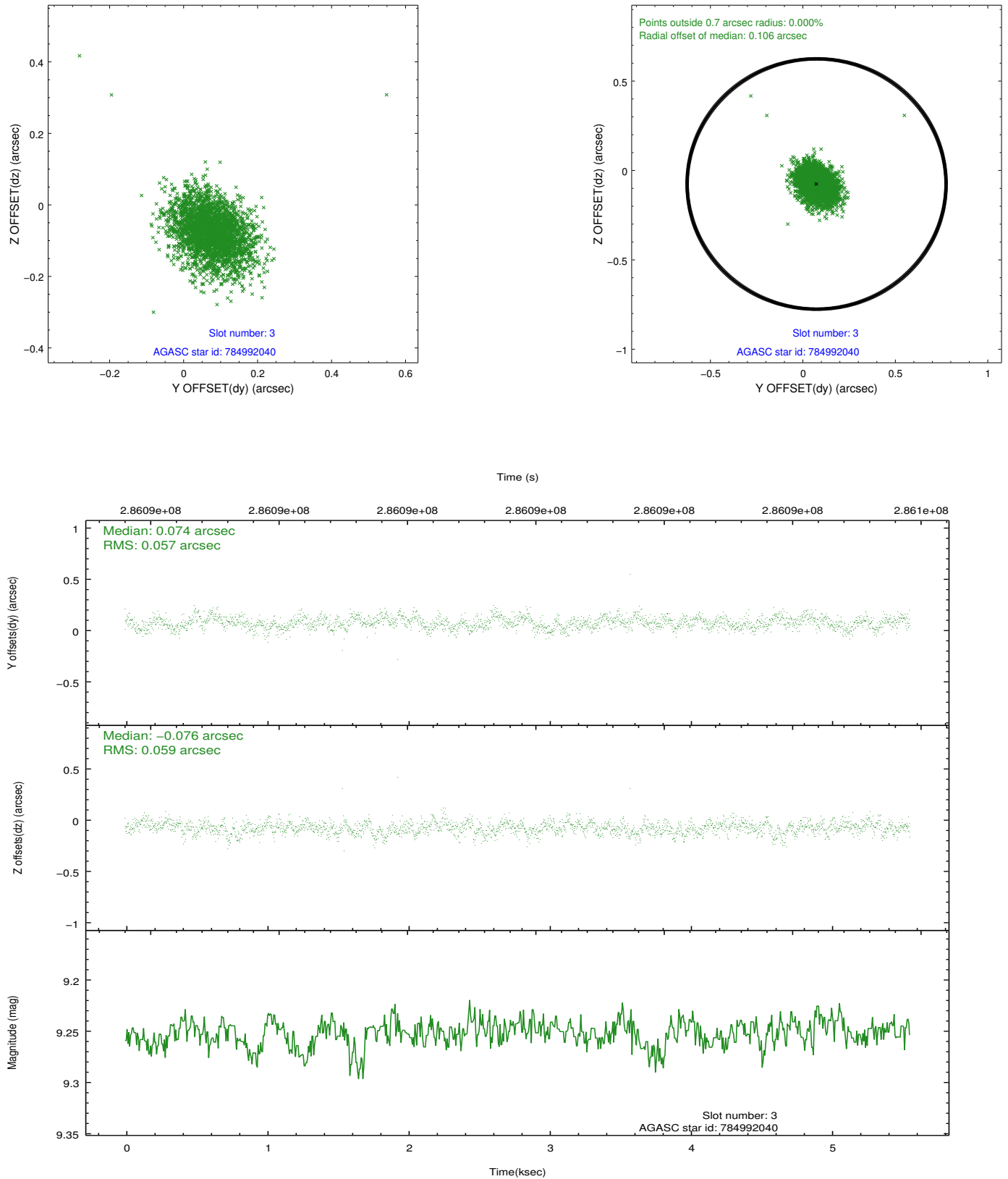


Slot Statistics

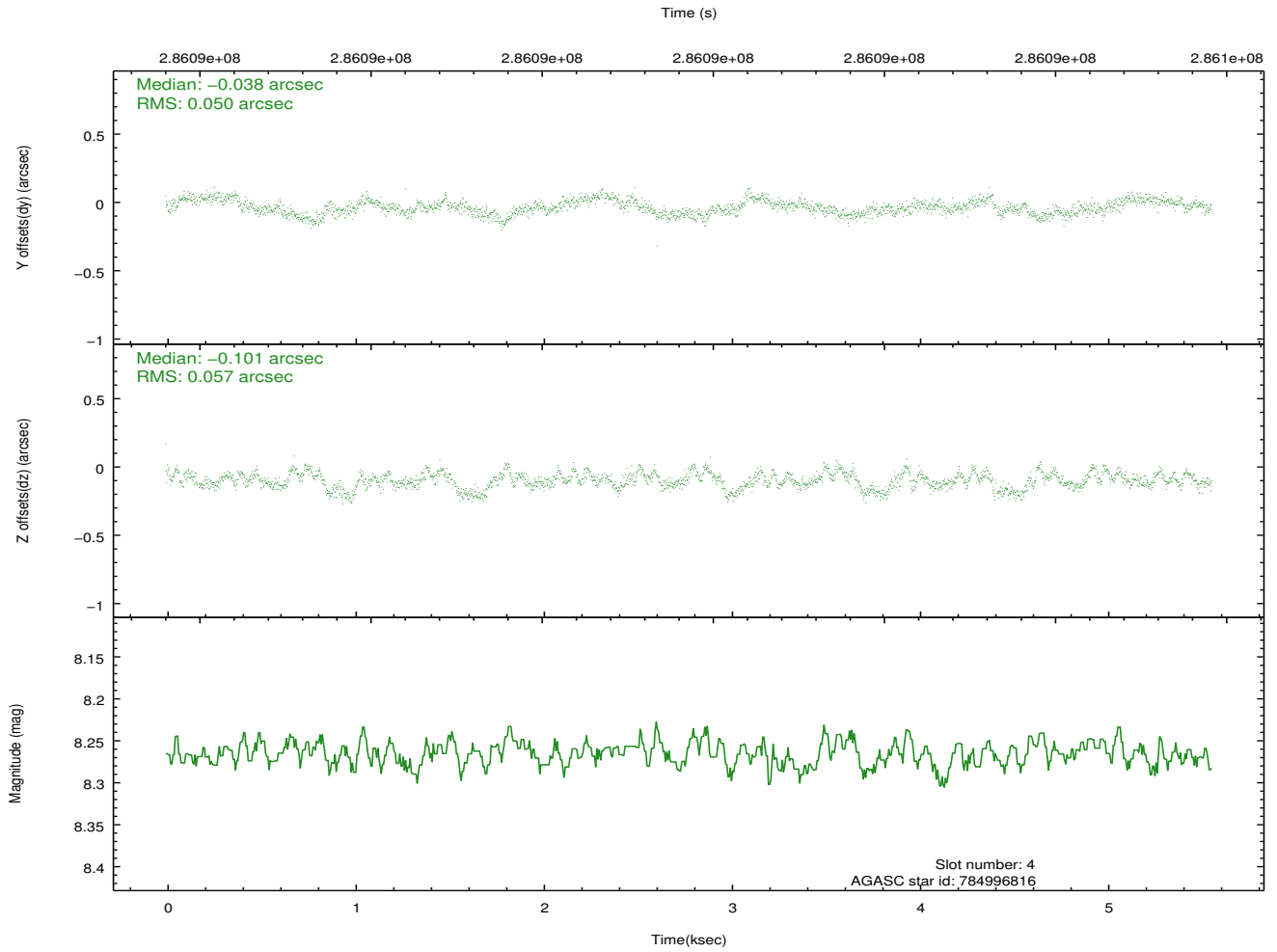
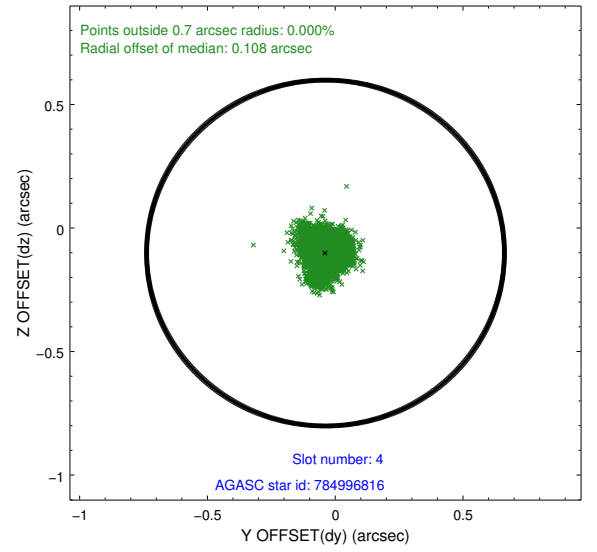
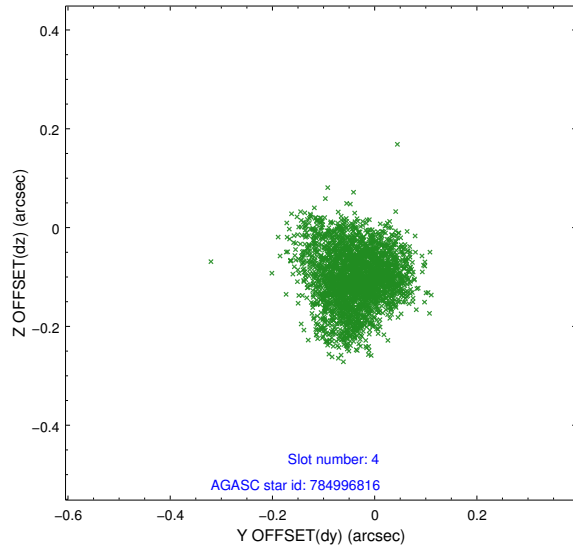
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1357	0.041	0.007	0.006	0.011	0.000000	0.000000	926.48	-837.26
1	FID	ACIS-I-5	7.23	1357	-0.220	0.047	0.006	0.011	0.000000	0.000000	-1821.31	1059.71
2	FID	ACIS-I-6	7.25	1357	0.088	0.016	0.007	0.012	0.000000	0.000000	390.88	1705.42
3	GUIDE	784992040	9.25	2711	0.074	-0.076	0.086	0.140	116.769991	-18.855070	-791.14	1575.66
4	GUIDE	784996816	8.27	2699	-0.038	-0.101	0.082	0.129	117.450793	-18.934282	1521.42	1905.57
5	GUIDE	785000528	6.98	2713	-0.085	0.137	0.040	0.068	116.828383	-19.401048	-83.12	-267.89
6	GUIDE	785006264	8.47	2713	0.067	0.060	0.079	0.130	116.941738	-19.984718	837.79	-2195.87
7	GUIDE	785014496	8.46	2712	-0.023	-0.010	0.076	0.121	116.252789	-19.679634	-1702.15	-1752.39

2.4 Star Slots

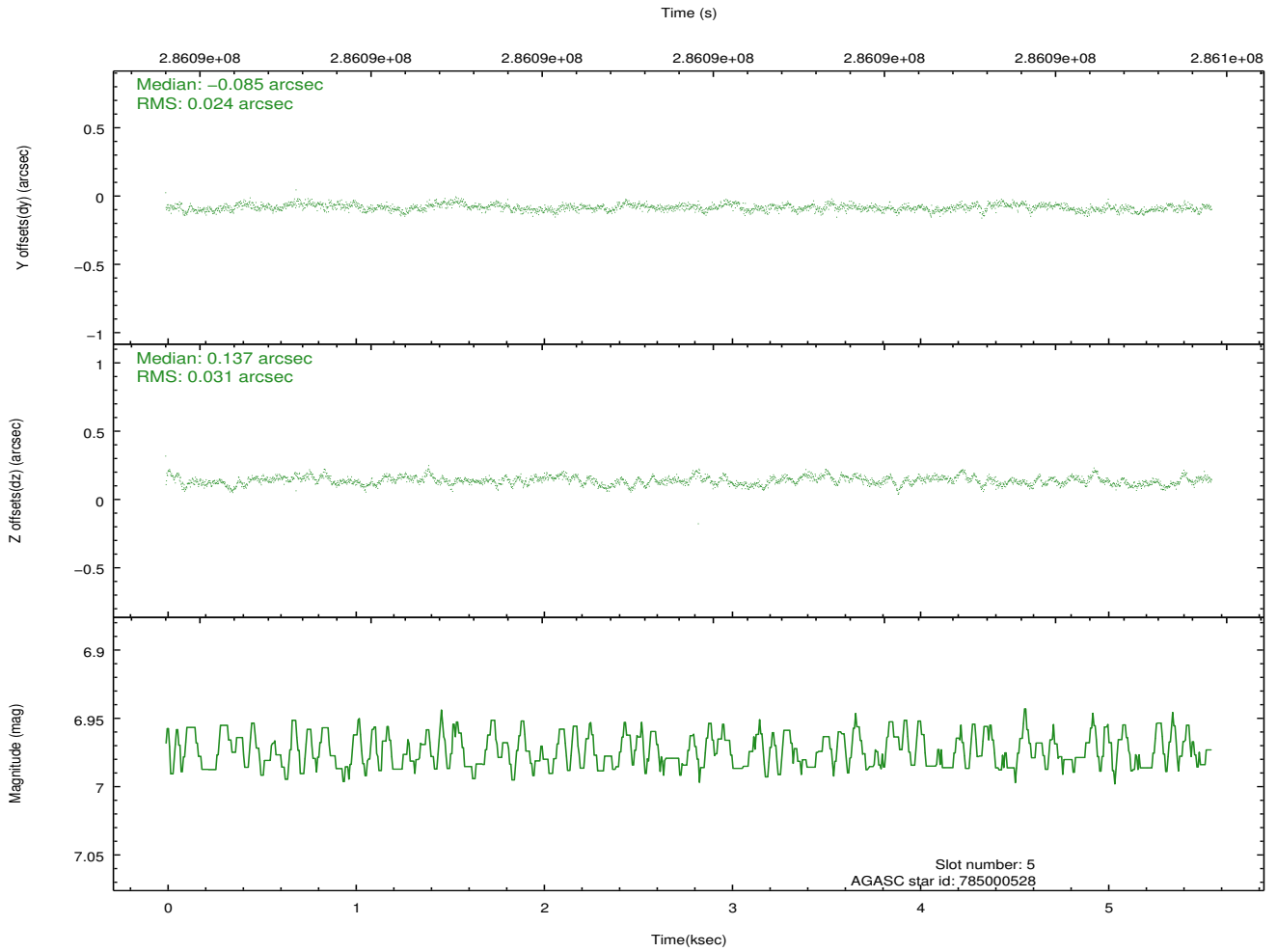
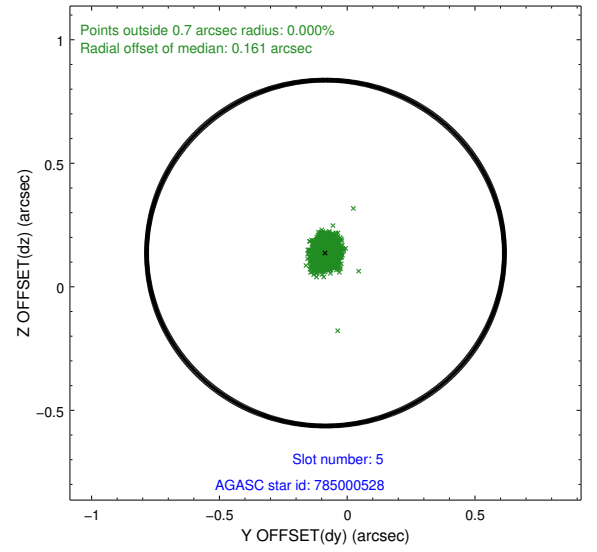
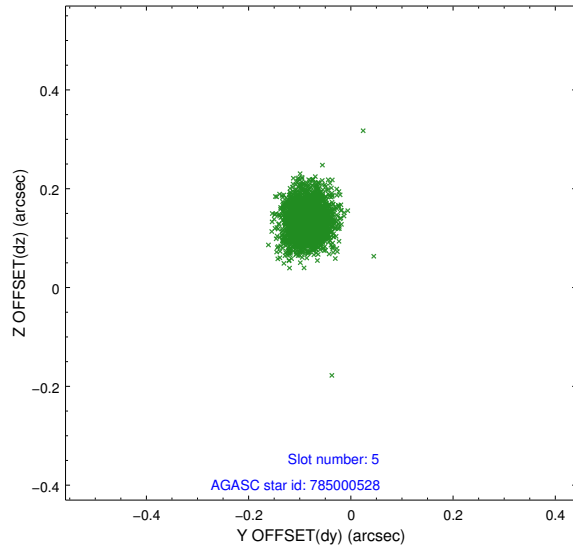
2.4.1 Slot 3



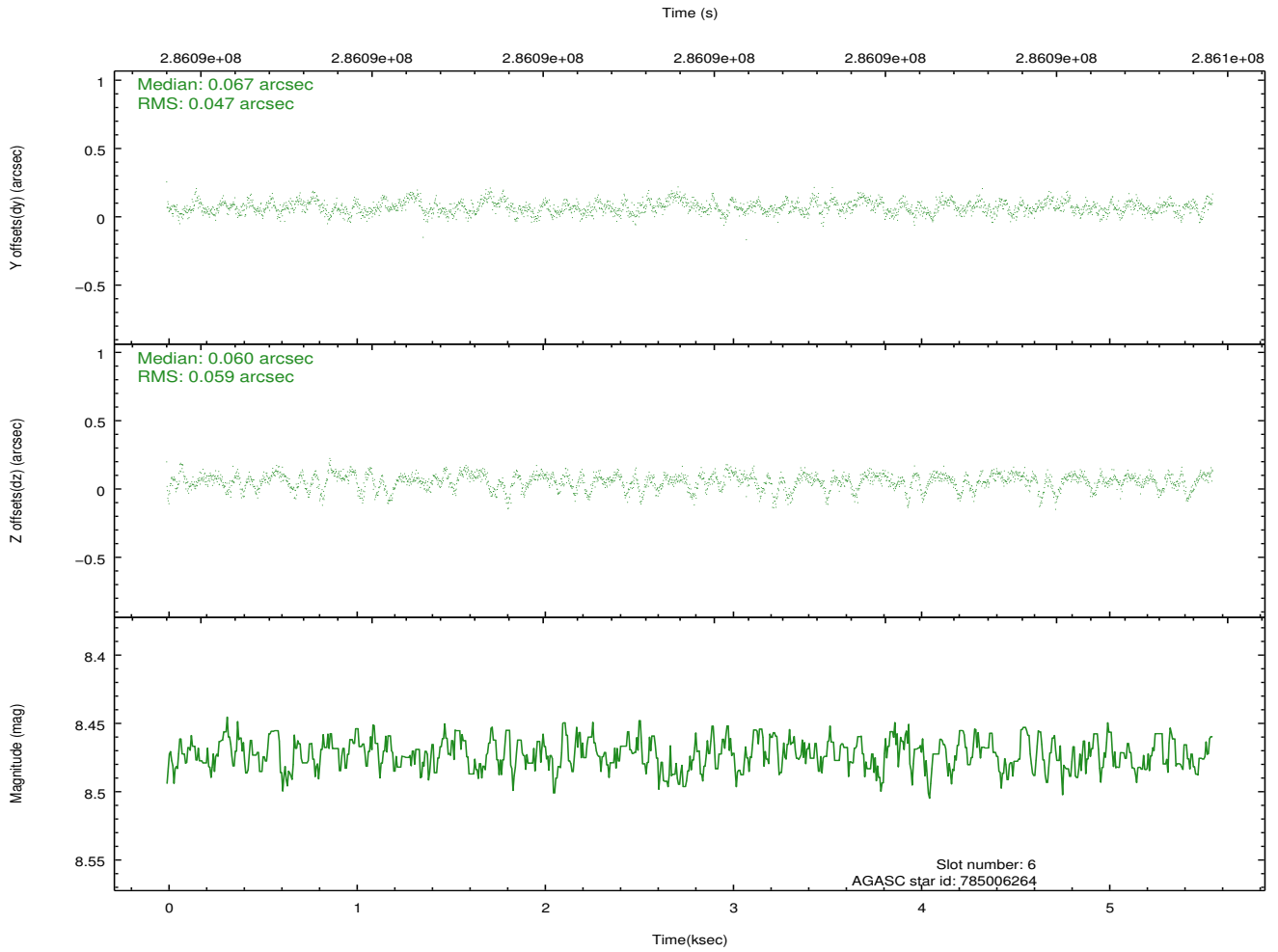
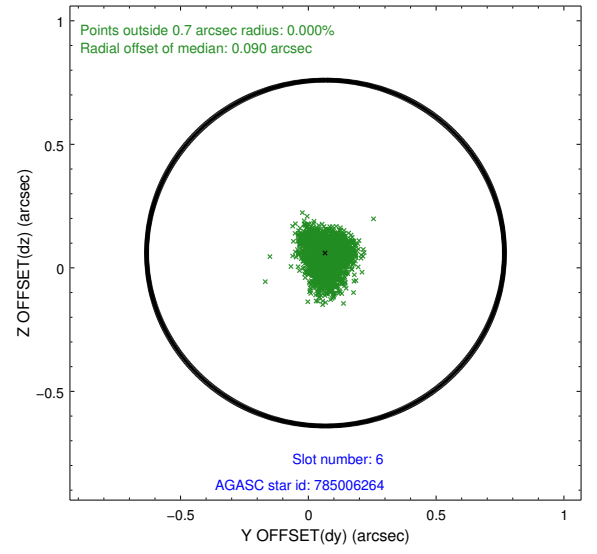
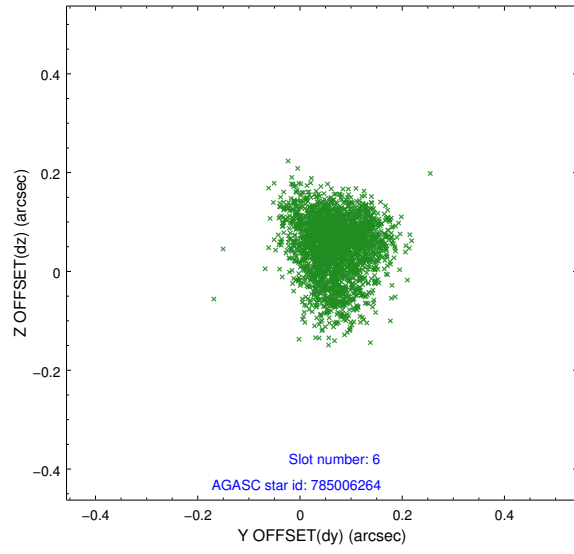
2.4.2 Slot 4



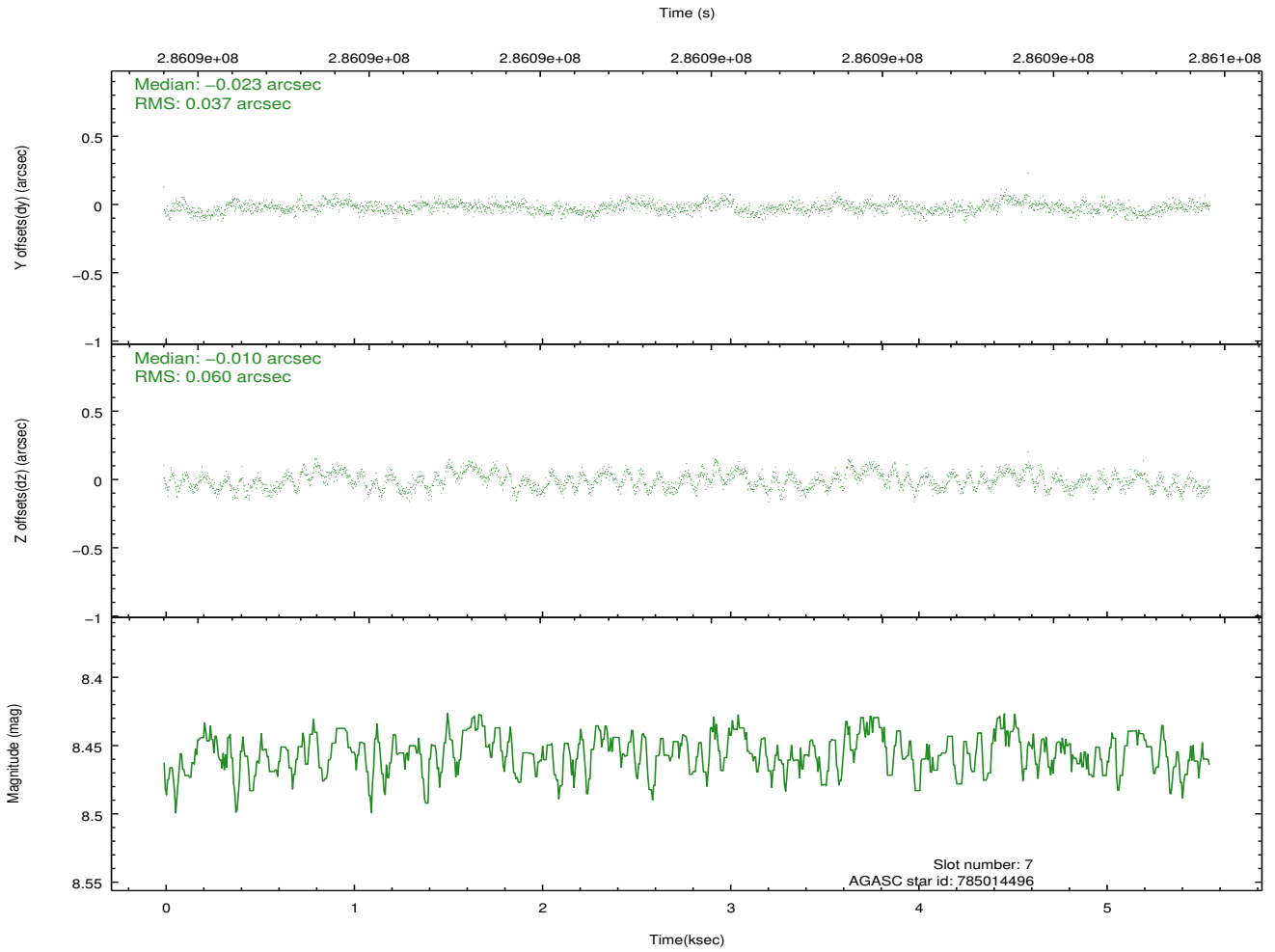
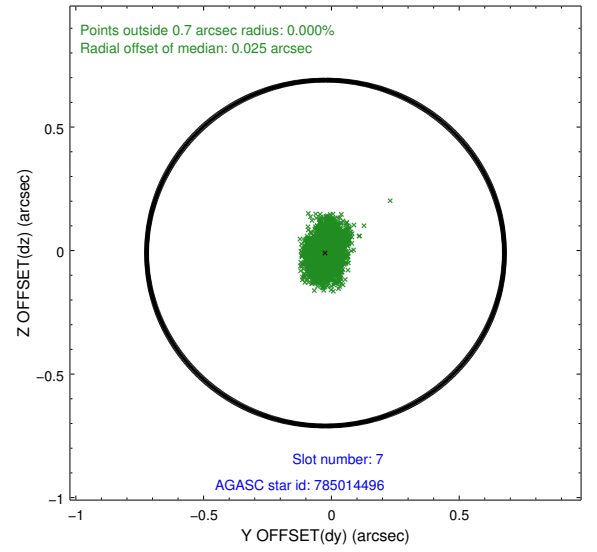
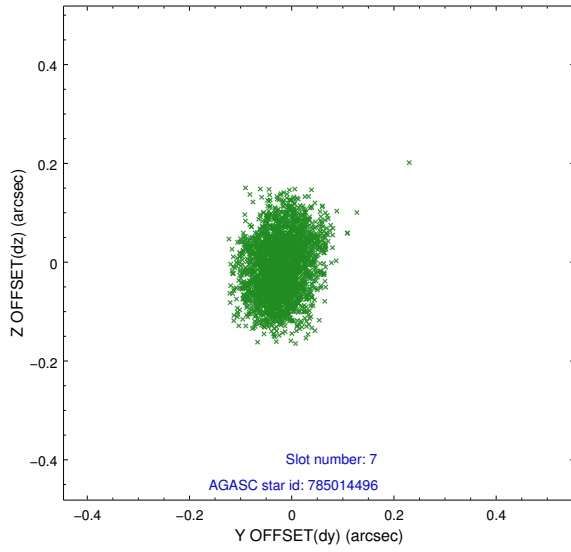
2.4.3 Slot 5



2.4.4 Slot 6

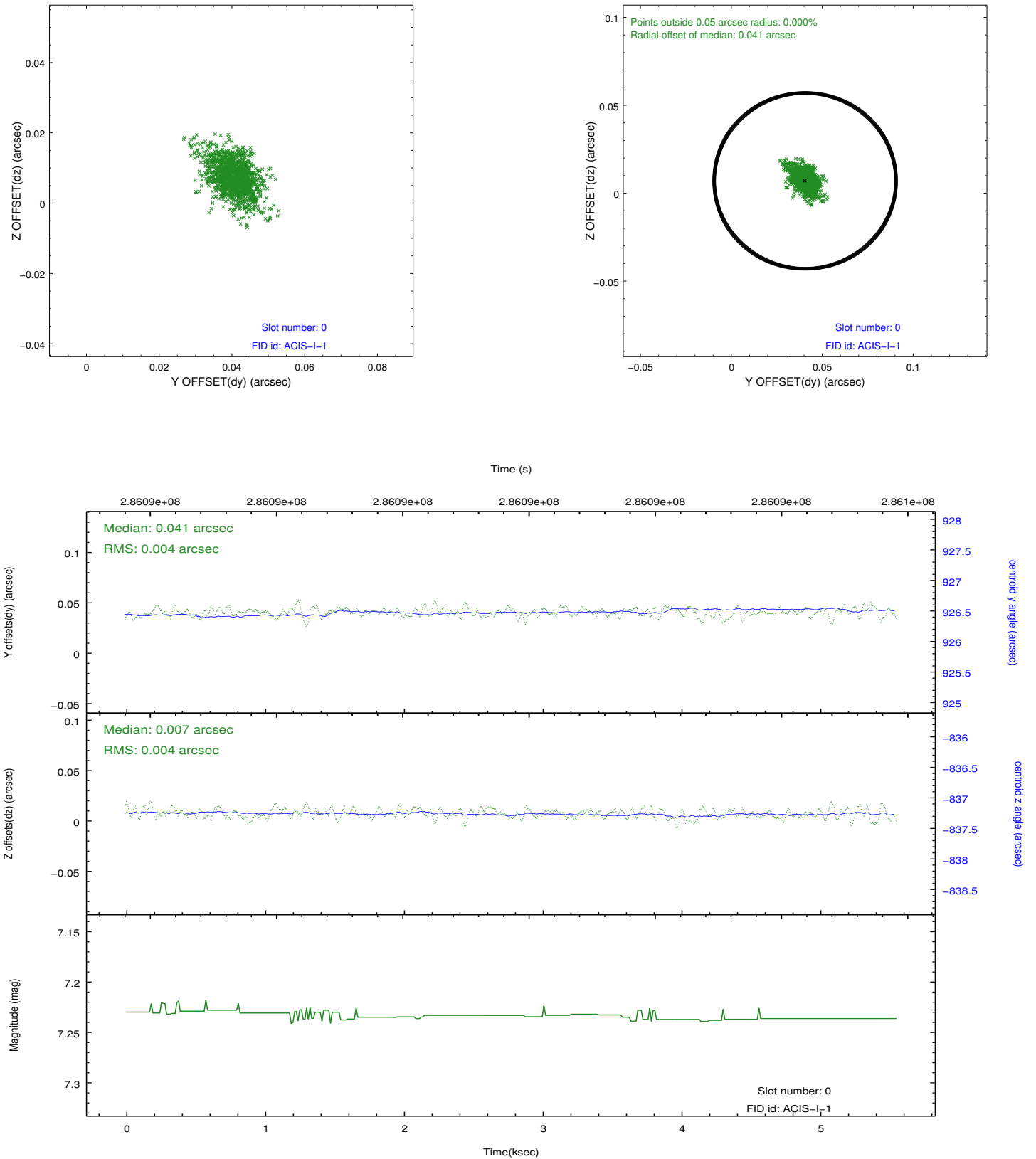


2.4.5 Slot 7

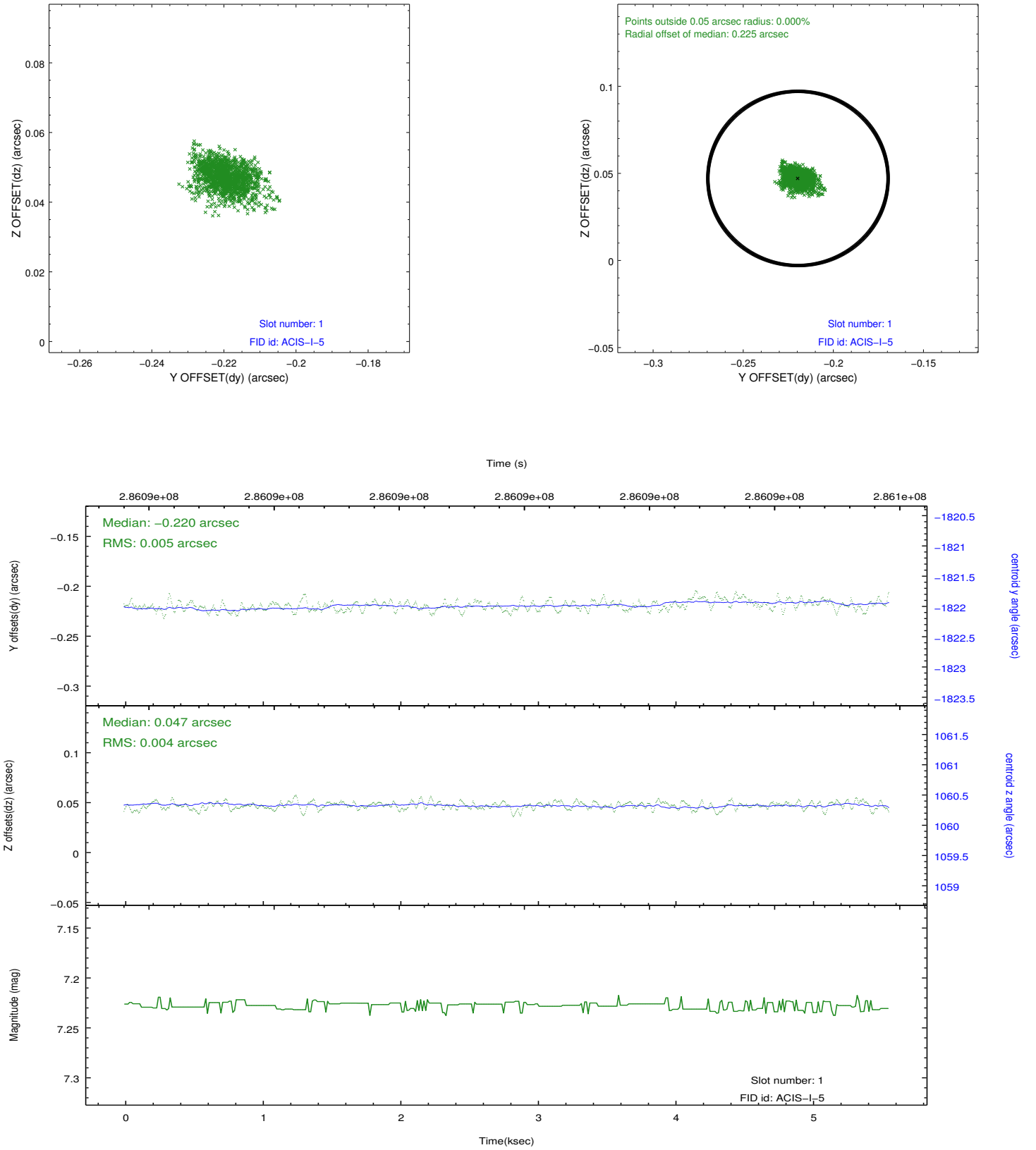


2.5 FID Slots

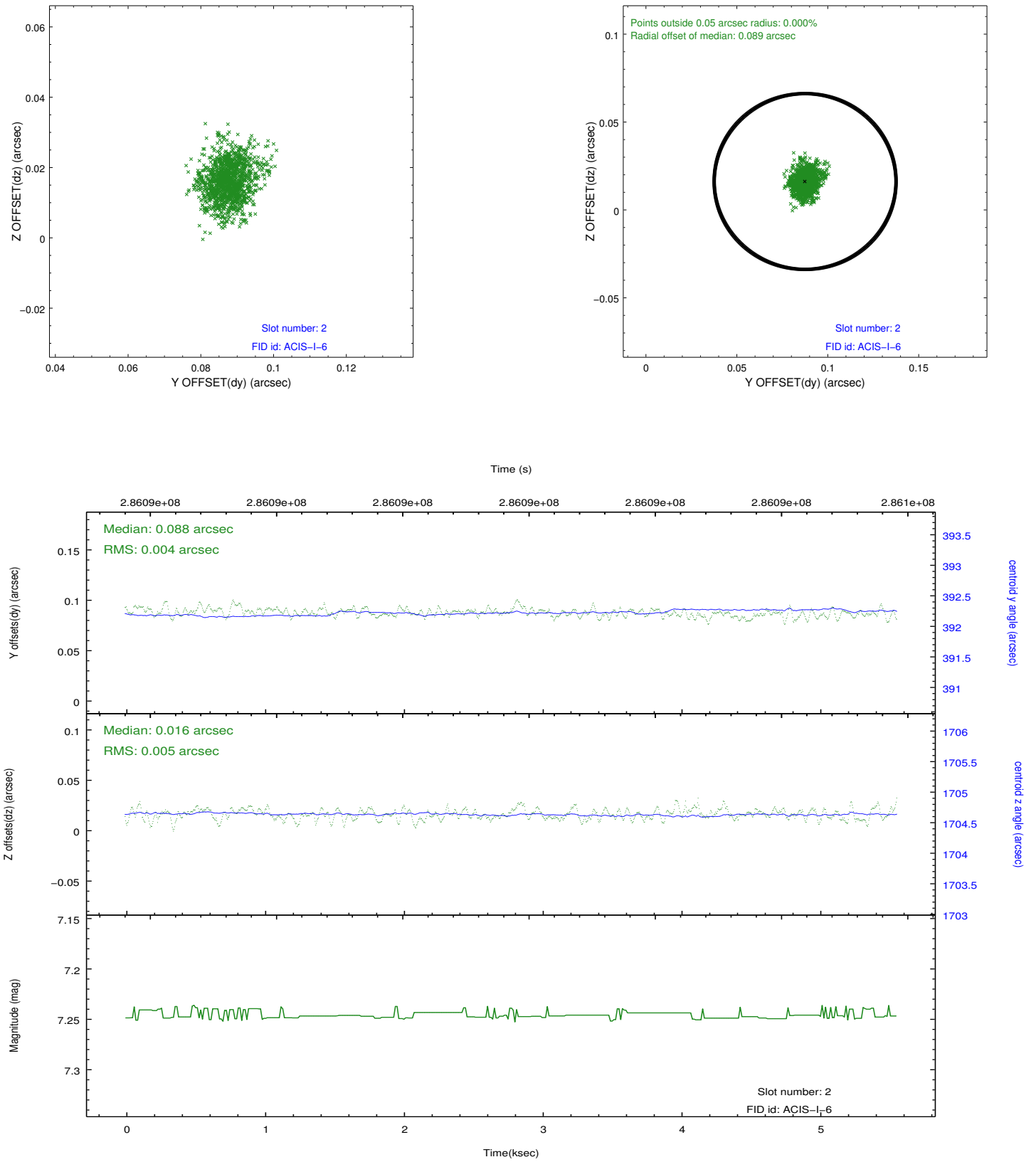
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.05920003

A.2 Comments