

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2781 - L2 Version 3
Chandra X-Ray Center

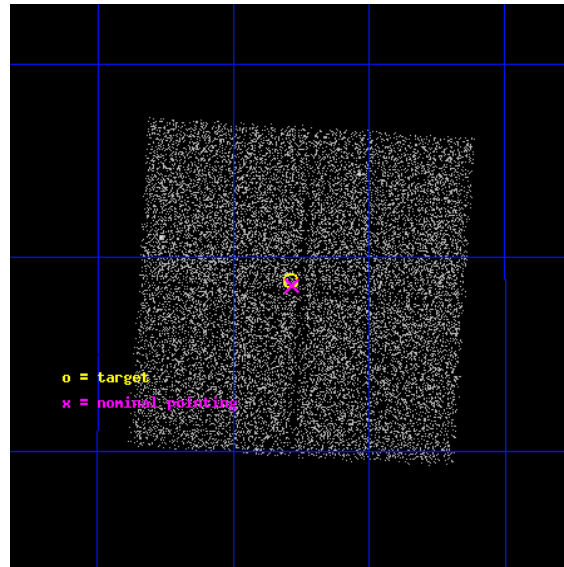
L2 Processing Date : Oct 1 2012

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1 Front

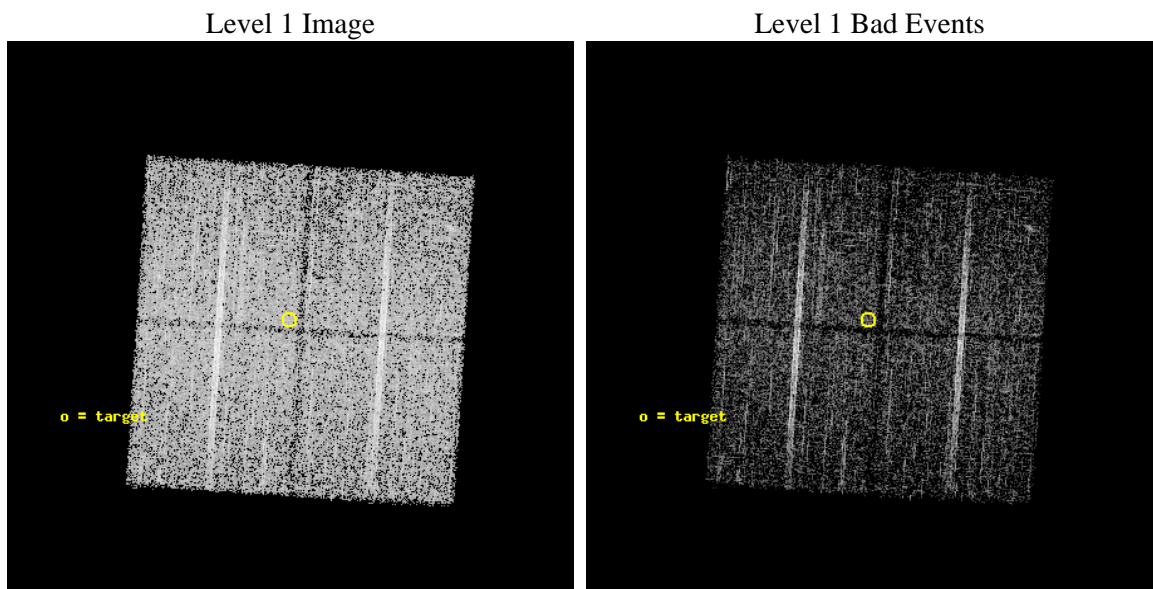
seq_num	500231	Sequence number
obs_id	2781	Observation id
title	AN UNIDENTIFIED ULTRA-STEEP SPECTRUM SOURCE	Proposal title
observer	Dr. Joseph Lazio	Principal investigator
object	VLA J0636+1838	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	99.197917	Observer's specified target RA [deg]
dec_targ	18.6469	Observer's specified target Dec [deg]
ra_nom	99.196284390965	Nominal RA [deg]
dec_nom	18.642447588079	Nominal Dec [deg]
roll_nom	273.64399323384	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8050.658994332	Sum of GTIs [s]
livetime	7945.4712077621	Livetime [s]
ontime0	8053.7999845147	Sum of GTIs [s]
ontime1	8053.7999845147	Sum of GTIs [s]
ontime2	8053.7999845147	Sum of GTIs [s]
ontime3	8050.658994332	Sum of GTIs [s]
l2events	20137	Number of level 2 events



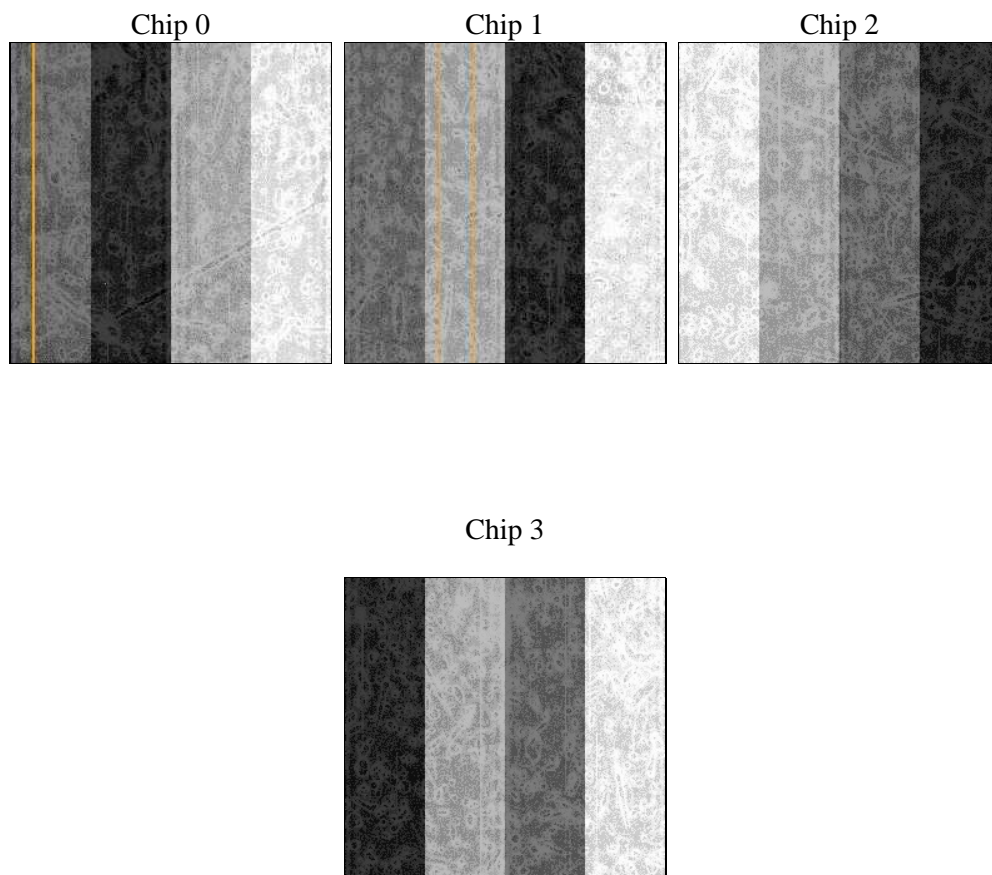
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7897.546000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8050.658994332	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	8053.7999845147	Sum of GTIs [s]
date	2012-10-01T05:52:54	Date and time of file creation	ontime1	8053.7999845147	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8053.7999845147	Sum of GTIs [s]
			ontime3	8050.658994332	Sum of GTIs [s]
			l1events	194253	Number of level 1 events

2.1.4 Events

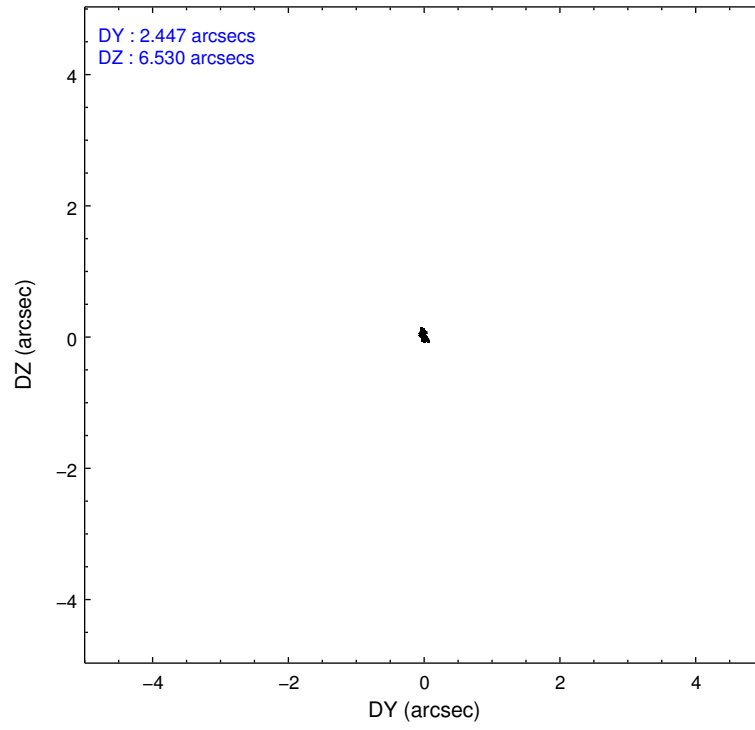
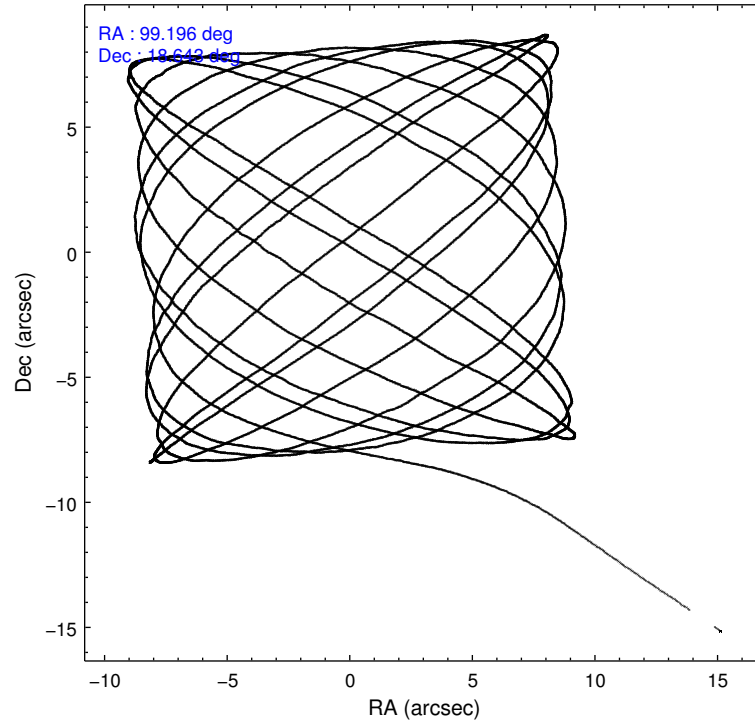
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	46776	45658	50006	51813
rejected events	40787	39524	44238	45986
rejected %	87%	86%	88%	88%

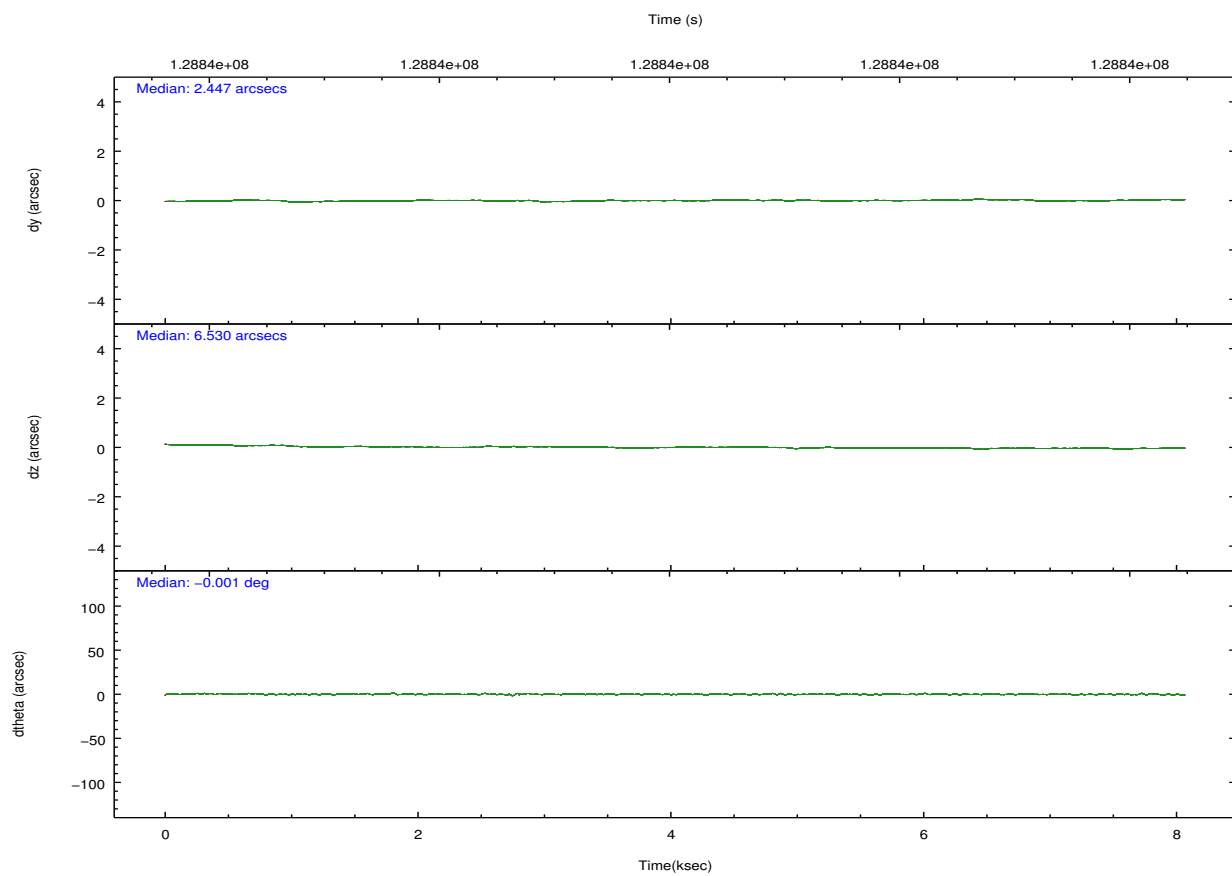
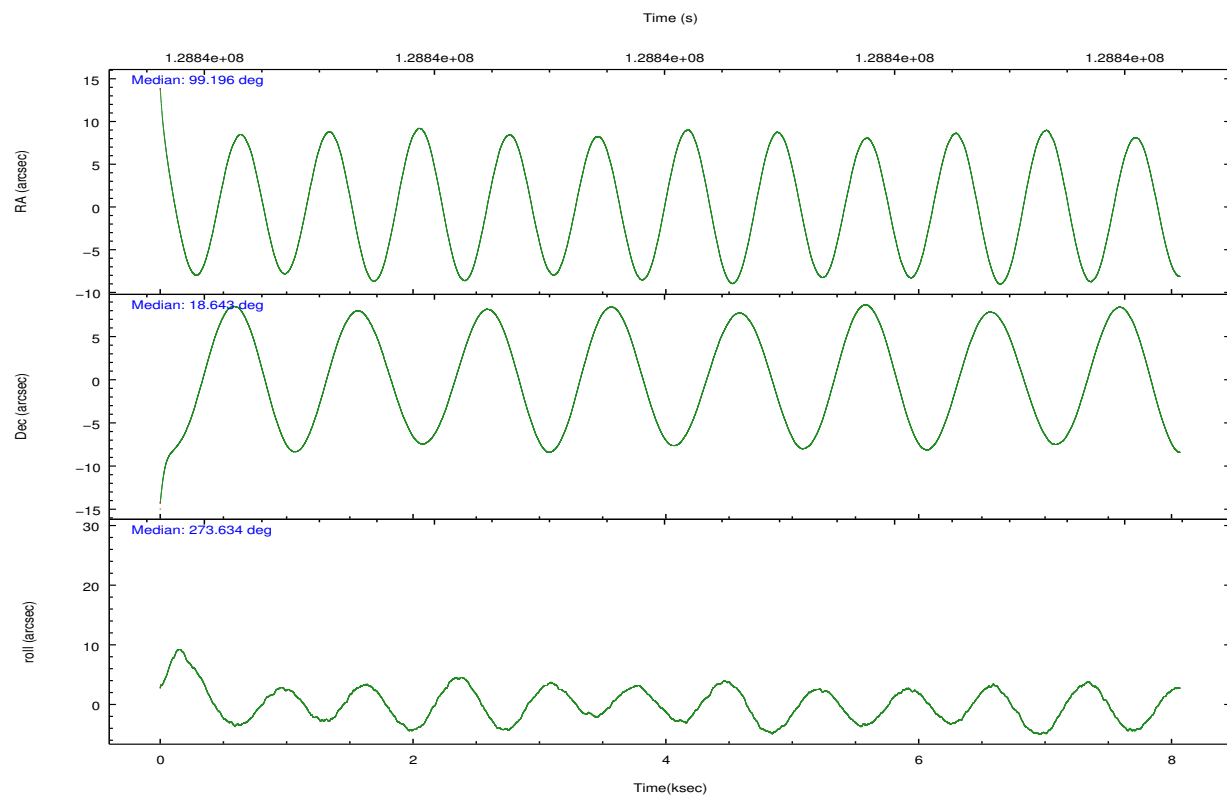
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2558	2426	2485	2460
	5%	5%	4%	4%
grade 1 events	22	17	18	31
	0%	0%	0%	0%
grade 2 events	1291	1297	1256	1234
	2%	2%	2%	2%
grade 3 events	613	631	537	561
	1%	1%	1%	1%
grade 4 events	544	663	538	598
	1%	1%	1%	1%
grade 5 events	1950	1933	1844	2114
	4%	4%	3%	4%
grade 6 events	1058	1205	1027	1060
	2%	2%	2%	2%
grade 7 events	38740	37486	42301	43755
	82%	82%	84%	84%

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	99.180189	99.19628439096495	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.665257	18.64244758807864	Alternating exposures requested	N	N
[deg] Pointing Roll	273.440455	273.6439932338422	[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)	128836179.184000	128835213.79165			
Observation start date	2002-01-31T03:48:35	2002-01-31T03:33:33			
[s] Observation end time (MET)	128844077.184000	128844397.79202			
Observation end date	2002-01-31T06:00:13	2002-01-31T06:06:37			
Read mode	TIMED	TIMED			

2.3 Aspect



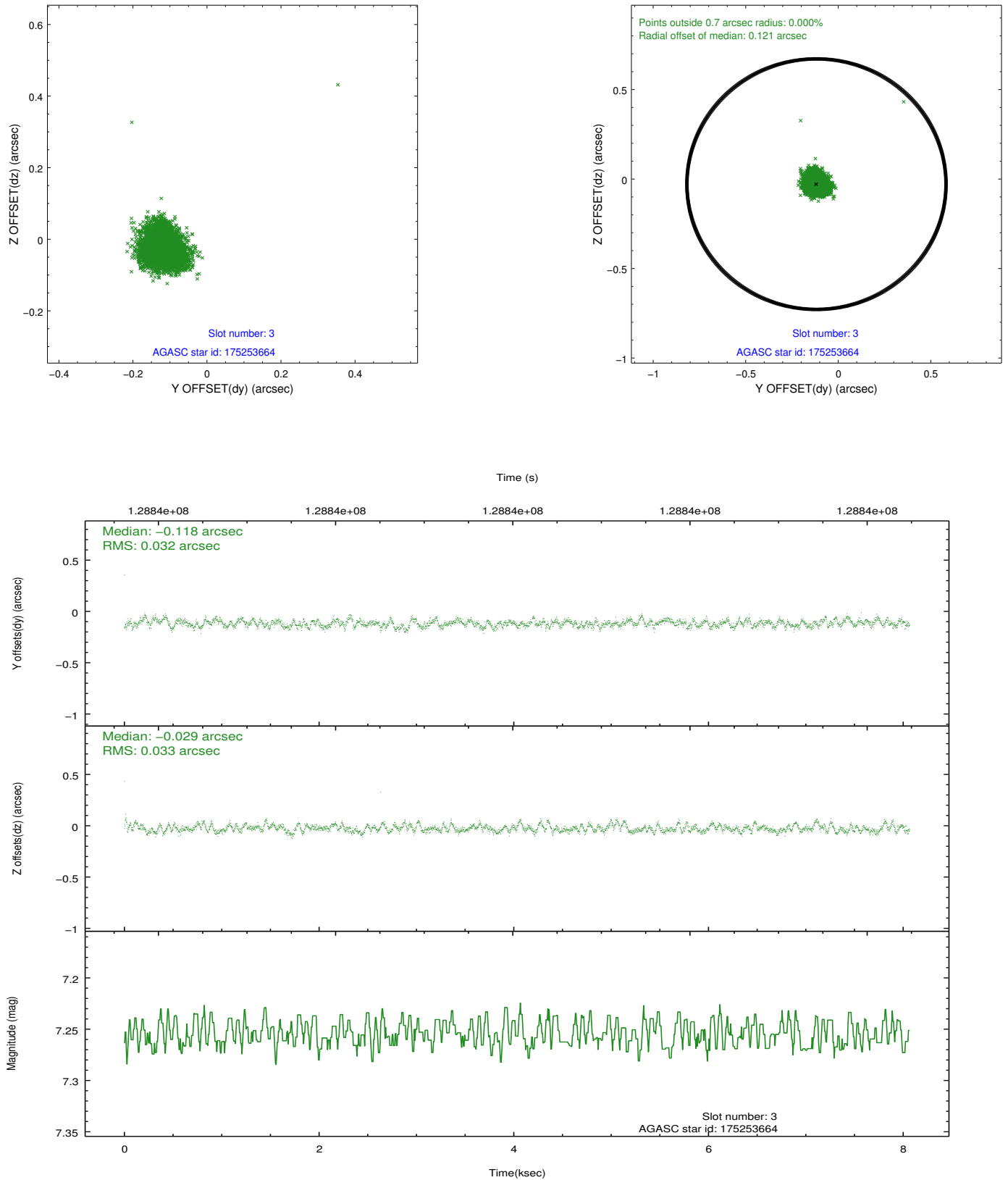


Slot Statistics

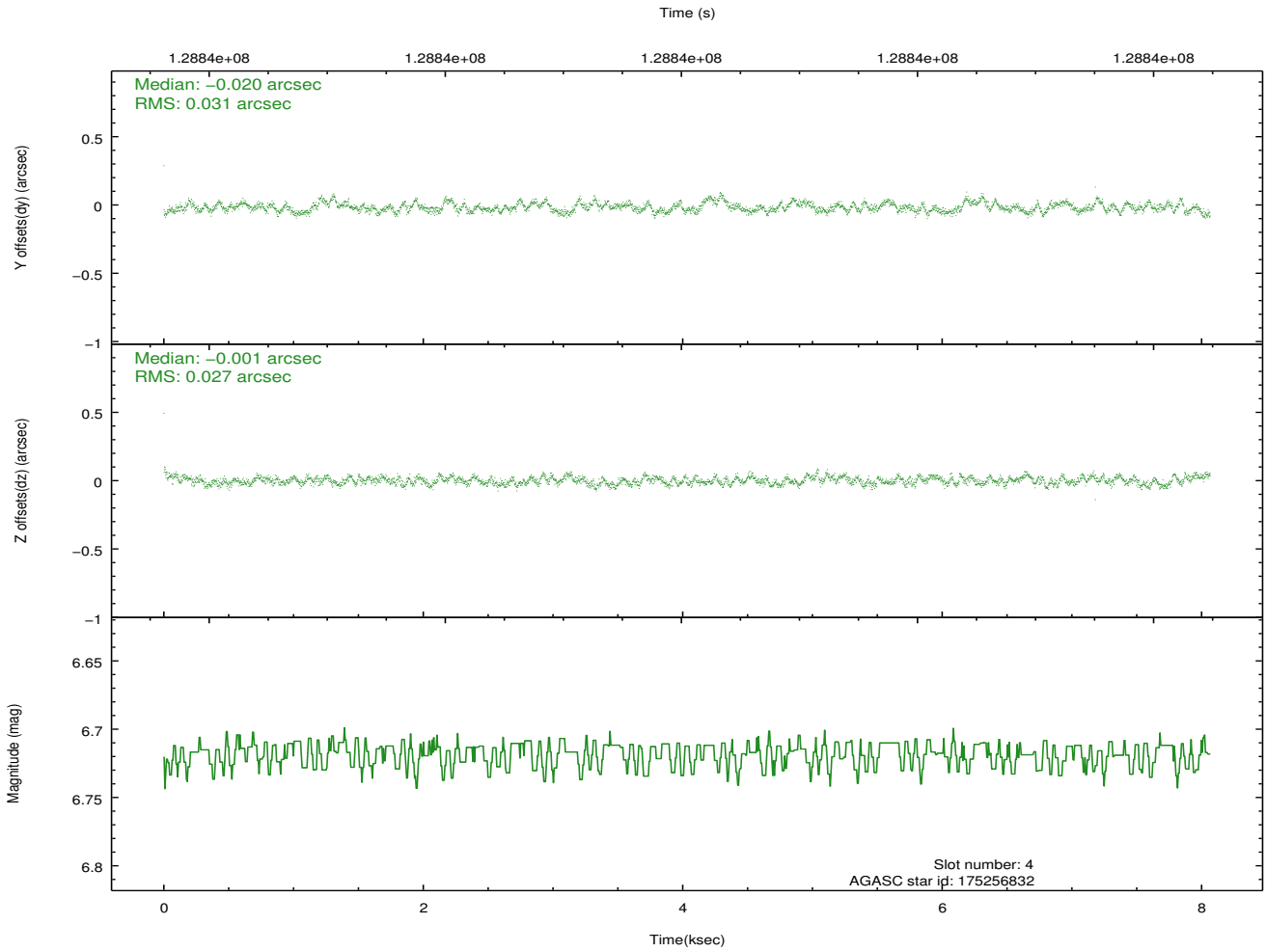
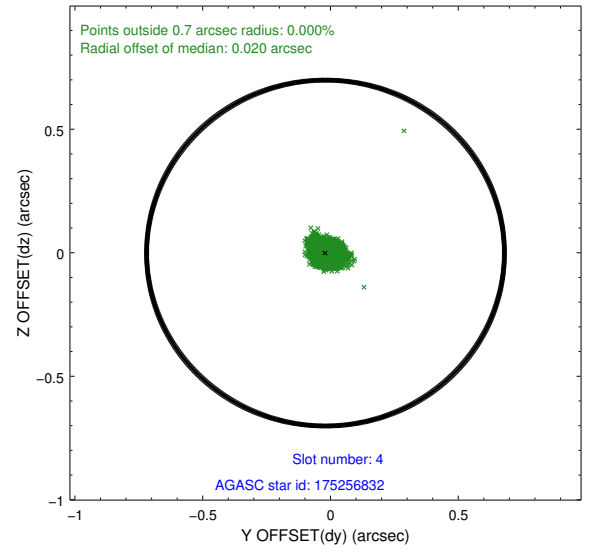
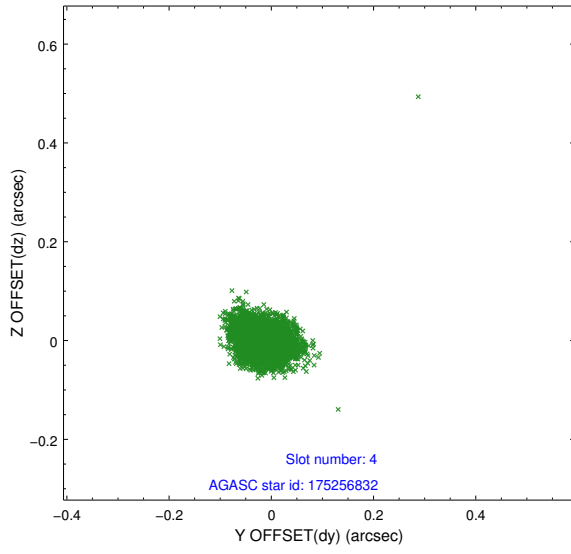
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1968	-0.010	0.013	0.006	0.011	0.000000	0.000000	937.34	-829.92
1	FID	ACIS-I-5	7.24	1967	-0.039	0.043	0.006	0.010	0.000000	0.000000	-1810.37	1067.31
2	FID	ACIS-I-6	7.26	1968	-0.042	0.014	0.006	0.011	0.000000	0.000000	402.15	1712.53
3	GUIDE	175253664	7.25	3935	-0.118	-0.029	0.048	0.075	99.258483	19.160128	-1761.33	372.45
4	GUIDE	175256832	6.72	3935	-0.020	-0.001	0.044	0.069	99.741216	19.247044	-1978.94	2029.13
5	GUIDE	174719848	8.08	3934	0.146	0.015	0.062	0.098	99.440929	18.401562	1001.09	832.88
6	GUIDE	174721496	9.17	3934	0.043	0.013	0.081	0.131	98.690774	18.351692	1025.97	-1736.46
7	GUIDE	174723232	9.18	3934	-0.054	0.004	0.080	0.130	98.573629	18.740351	-395.74	-2048.15

2.4 Star Slots

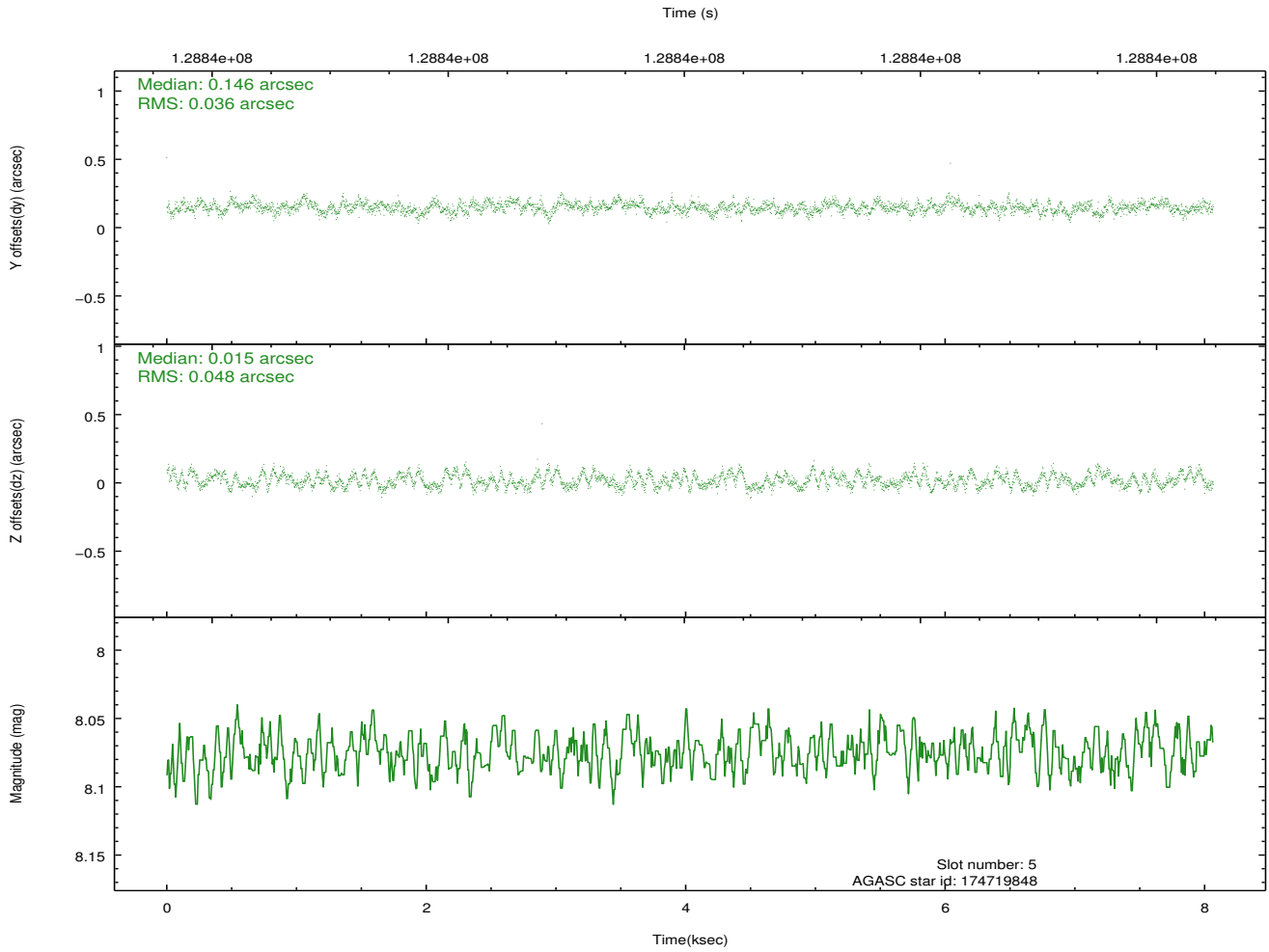
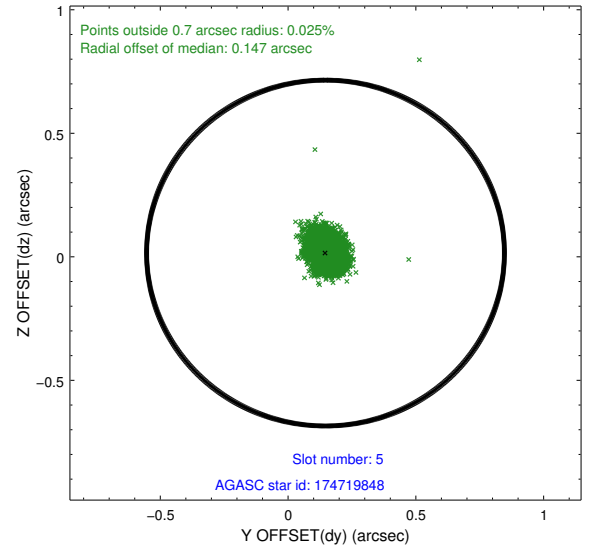
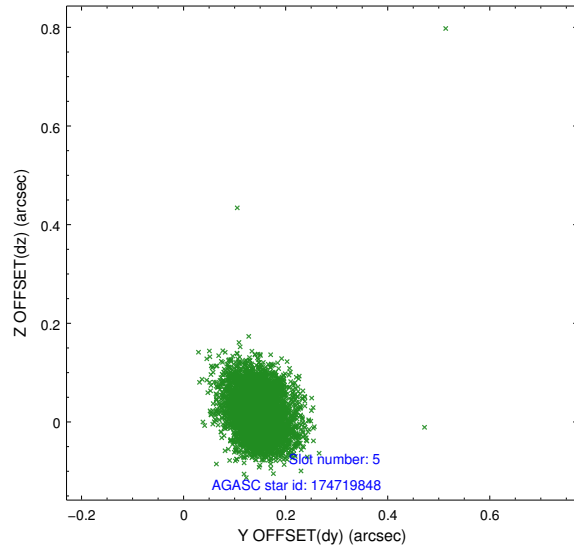
2.4.1 Slot 3



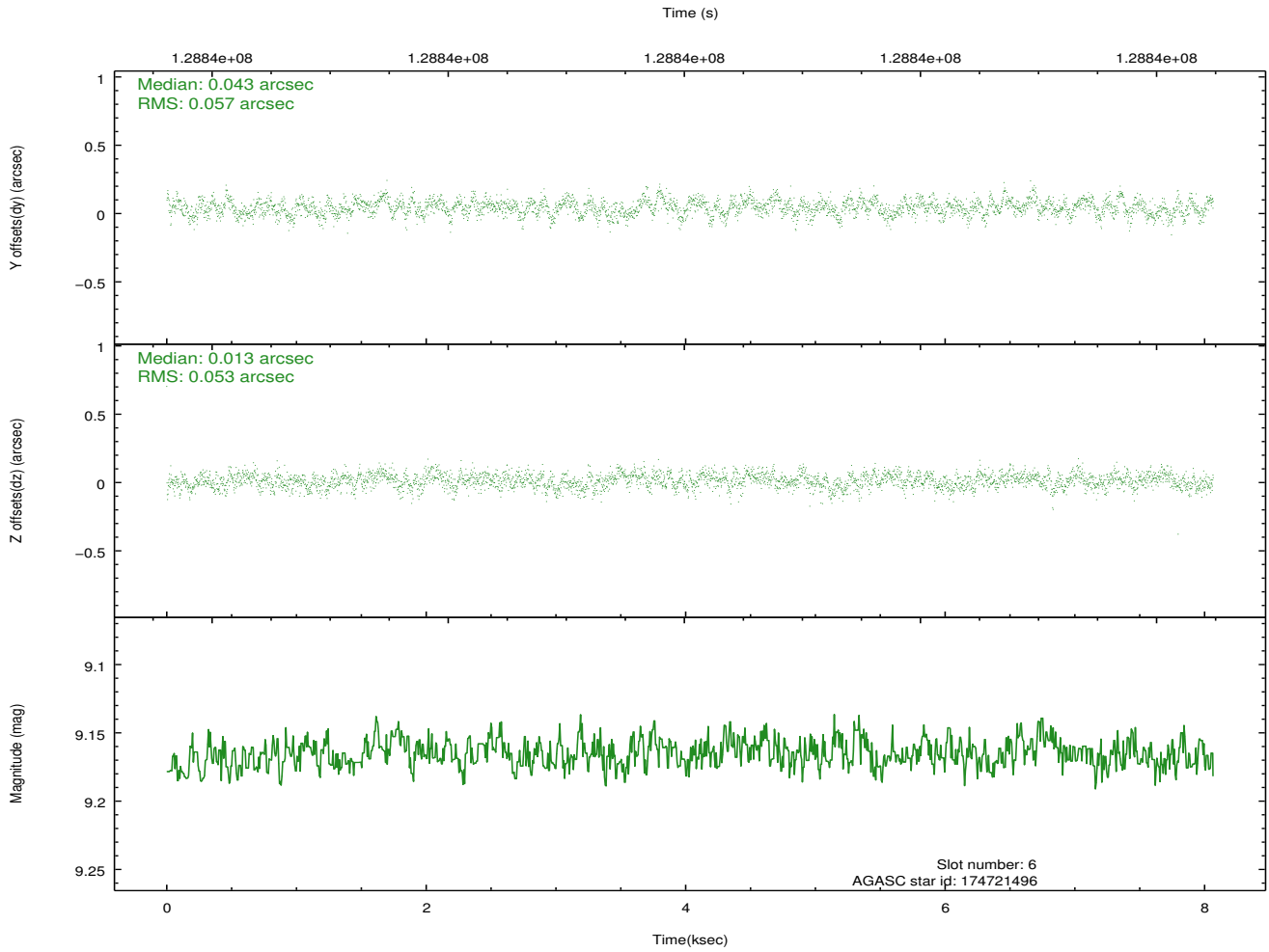
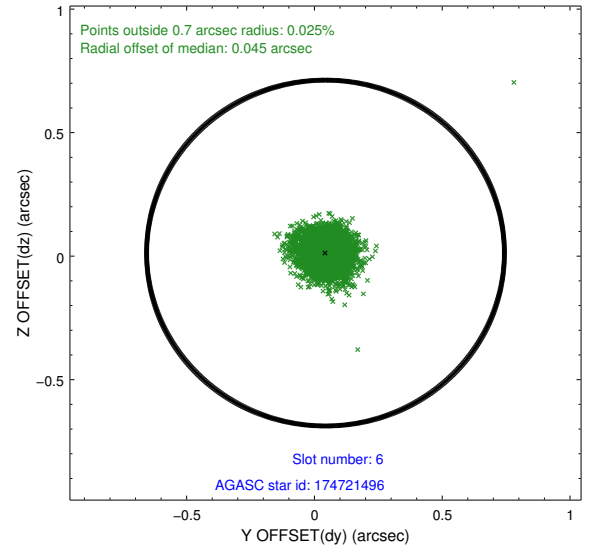
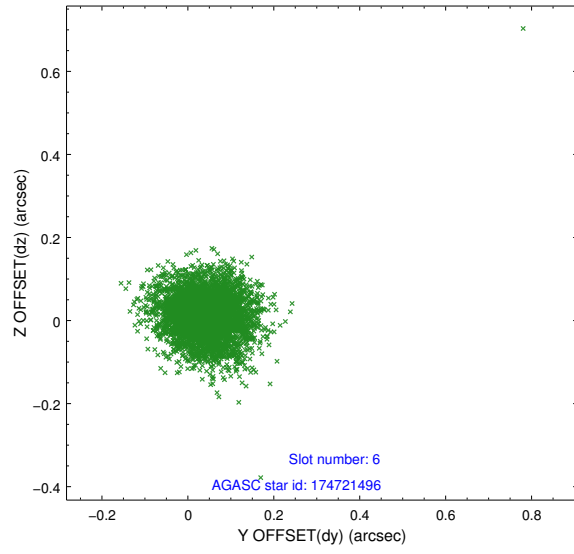
2.4.2 Slot 4



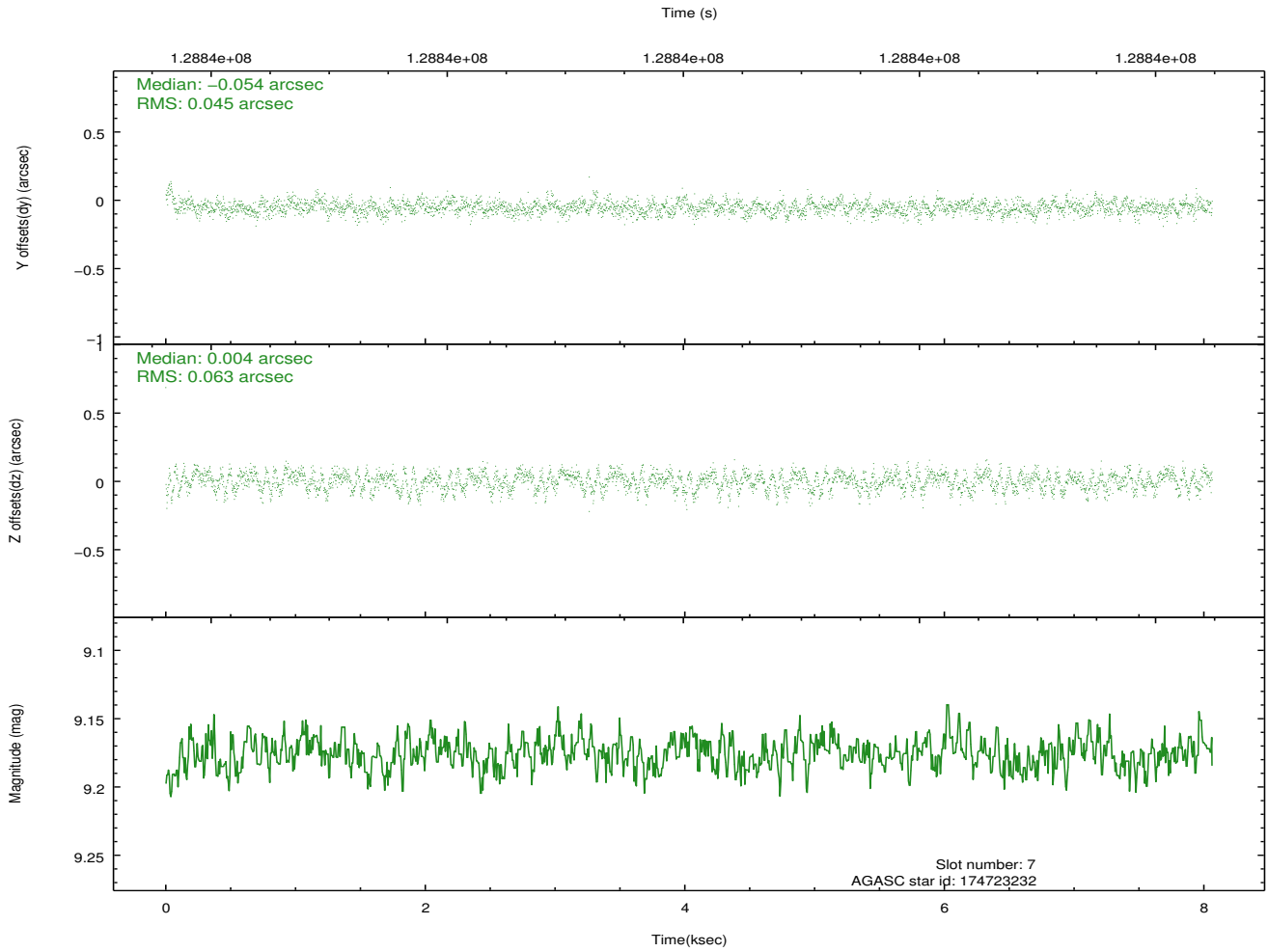
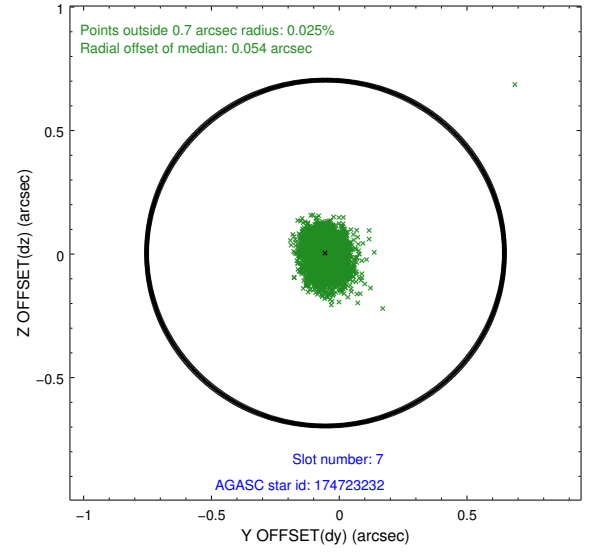
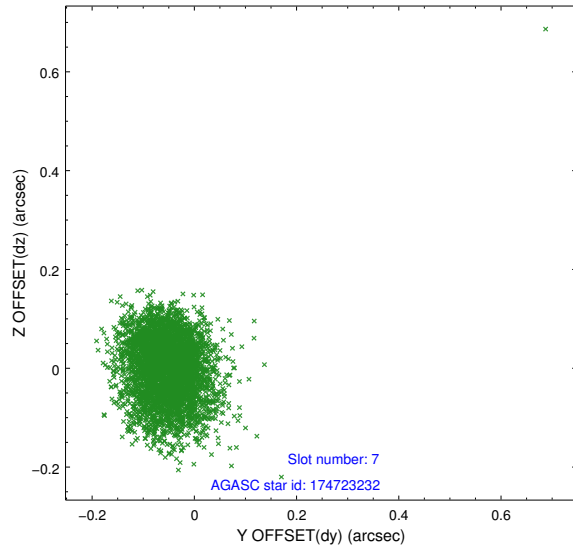
2.4.3 Slot 5



2.4.4 Slot 6

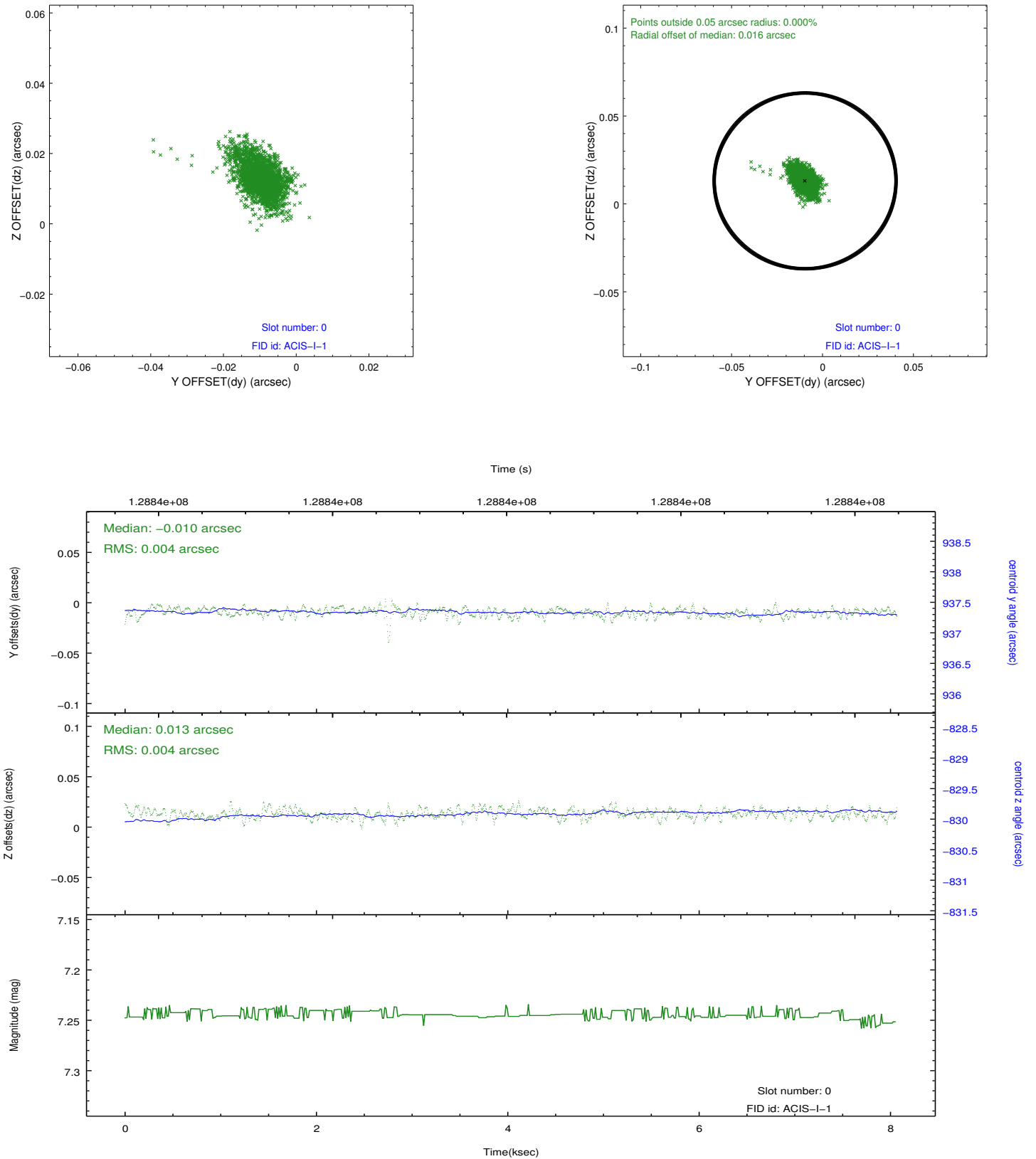


2.4.5 Slot 7

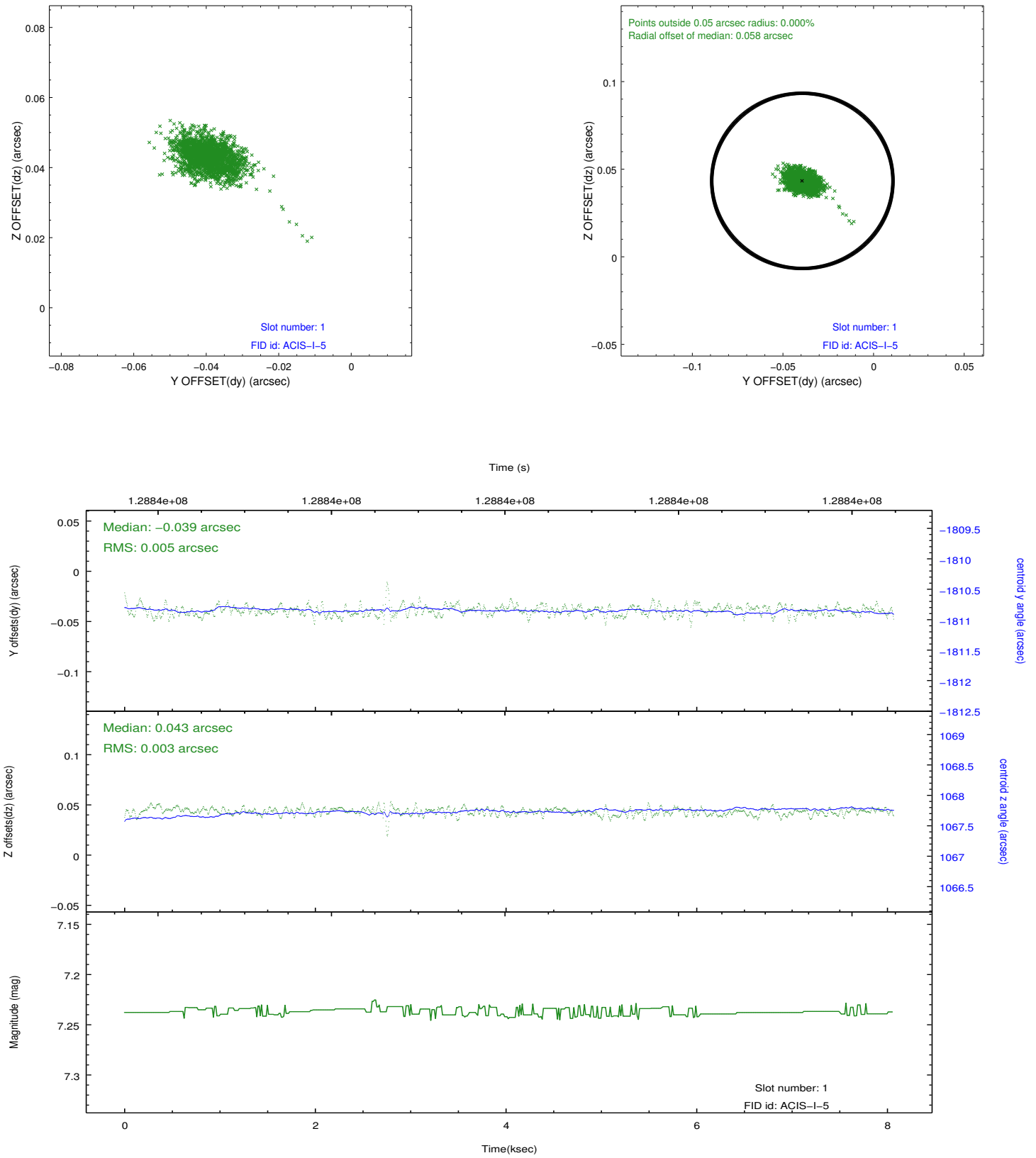


2.5 FID Slots

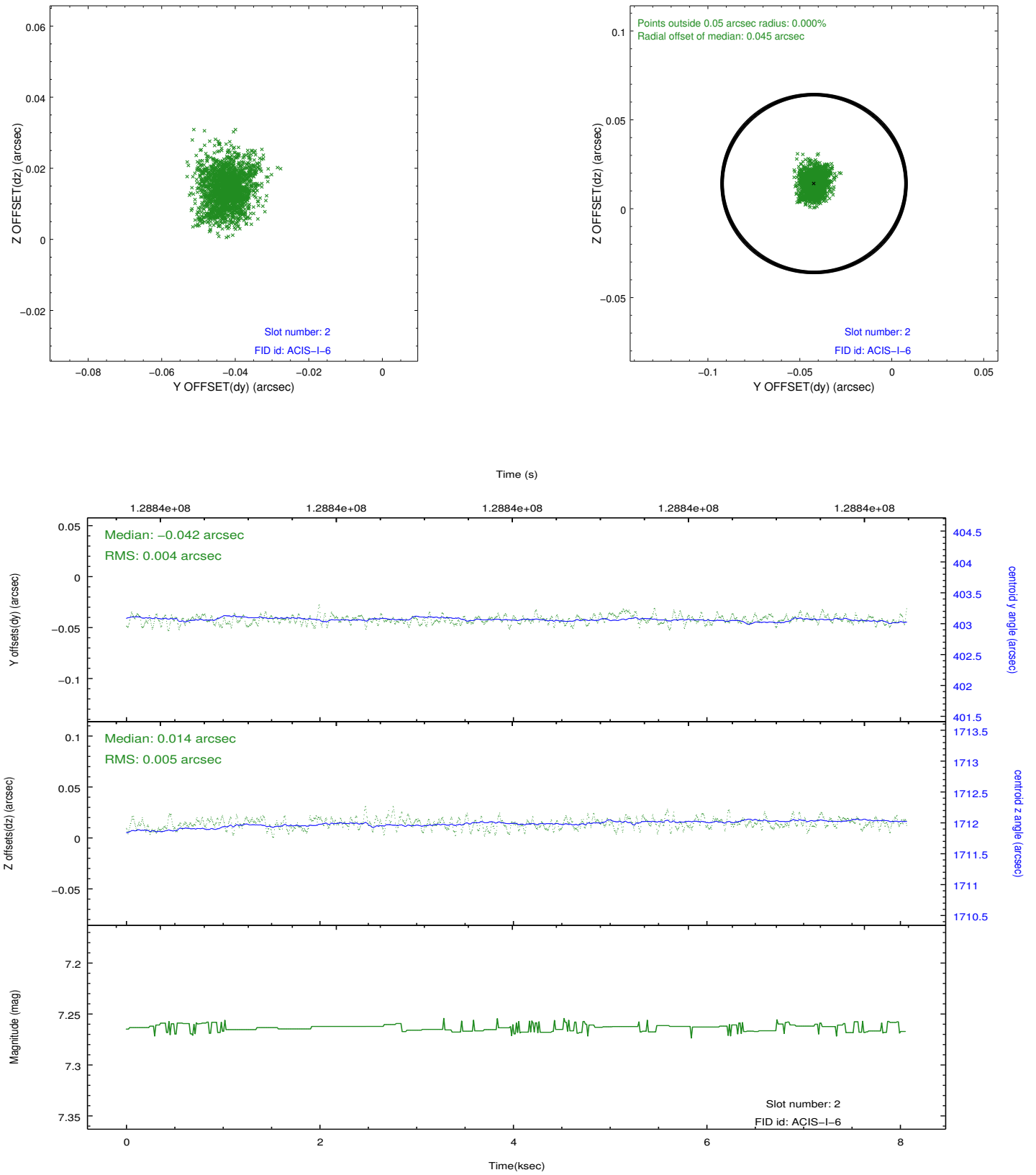
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.05

A.2 Comments