

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4898 - L2 Version 3
Chandra X-Ray Center

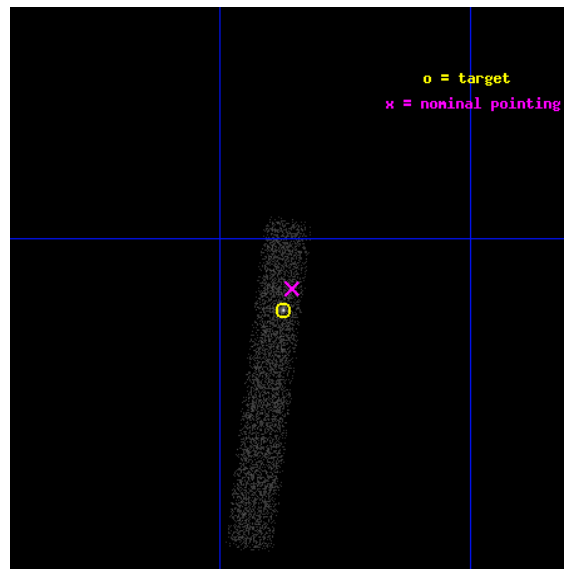
L2 Processing Date : Dec 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

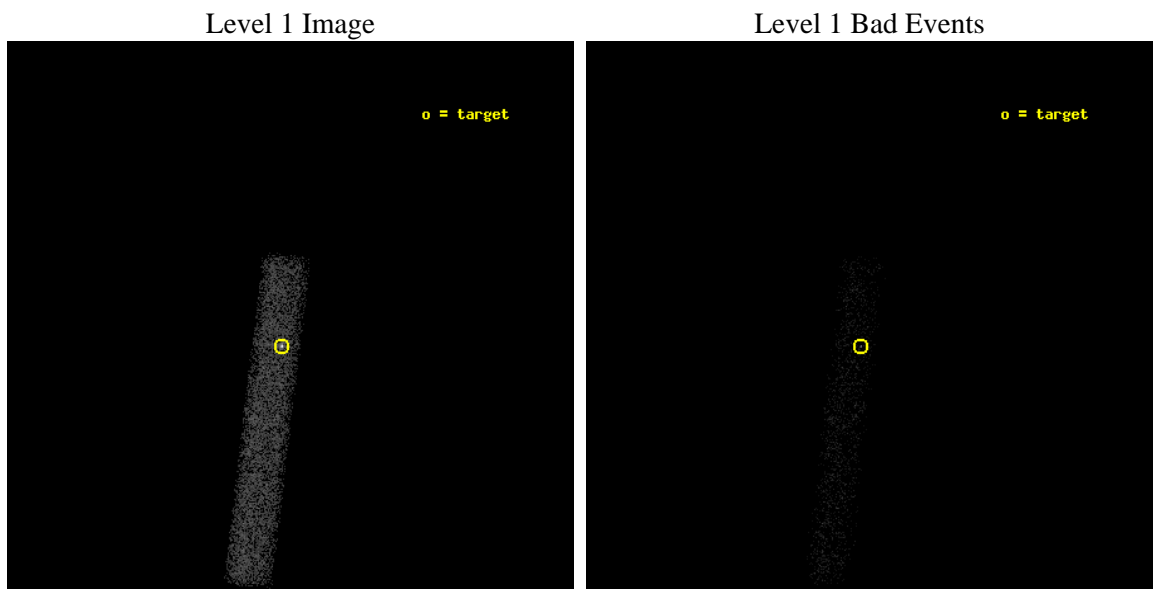
seq_num	700980	Sequence number
obs_id	4898	Observation id
title	Continuing a Flux-limited Survey for X-ray Emission from Radio Jets	
observer	Dr. Herman Marshall	Principal investigator
object	0234+285	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.468333	Observer's specified target RA [deg]
dec_targ	28.8025	Observer's specified target Dec [deg]
ra_nom	39.464208594205	Nominal RA [deg]
dec_nom	28.81167109988	Nominal Dec [deg]
roll_nom	96.907413008983	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9959.6001483798	Sum of GTIs [s]
livetime	9032.83162378	Livetime [s]
ontime7	9959.6001483798	Sum of GTIs [s]
l2events	8136	Number of level 2 events



2 OBI

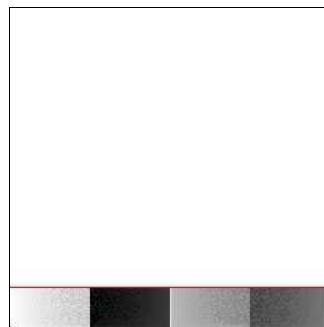
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	9805.405000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9959.6001483798	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	9959.6001483798	Sum of GTIs [s]
date	2012-12-03T04:59:31	Date and time of file creation	l1events	16377	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

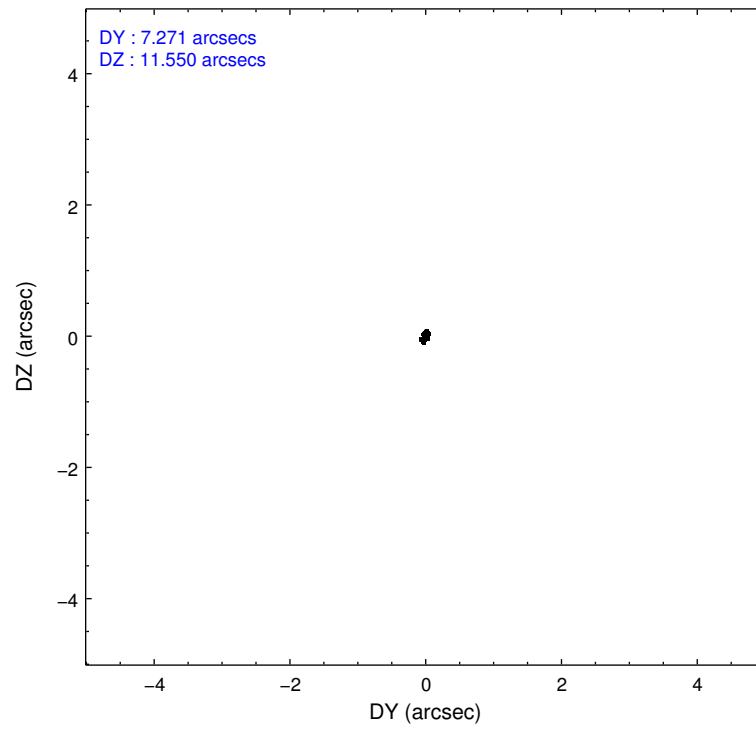
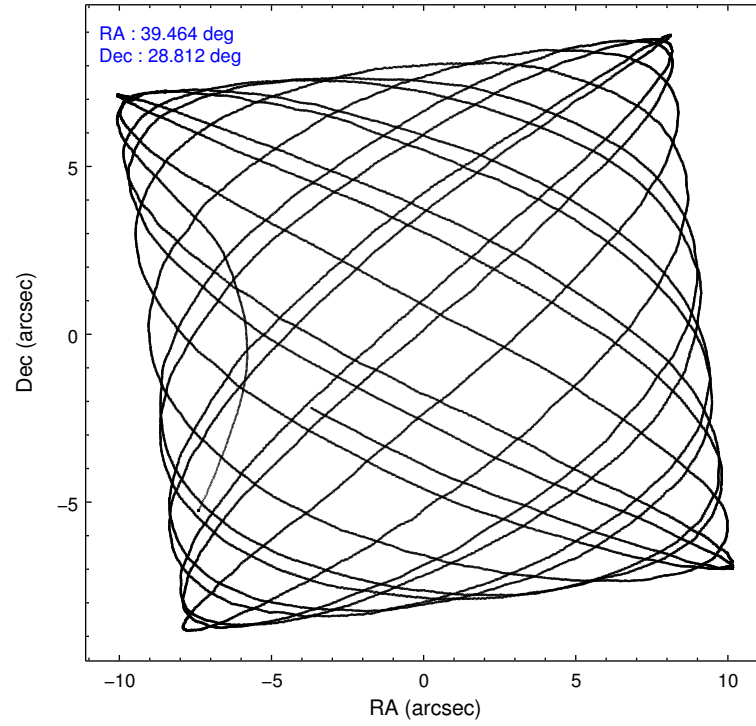
	ccd 7
level 1 events	16377
rejected events	8031
rejected %	49%

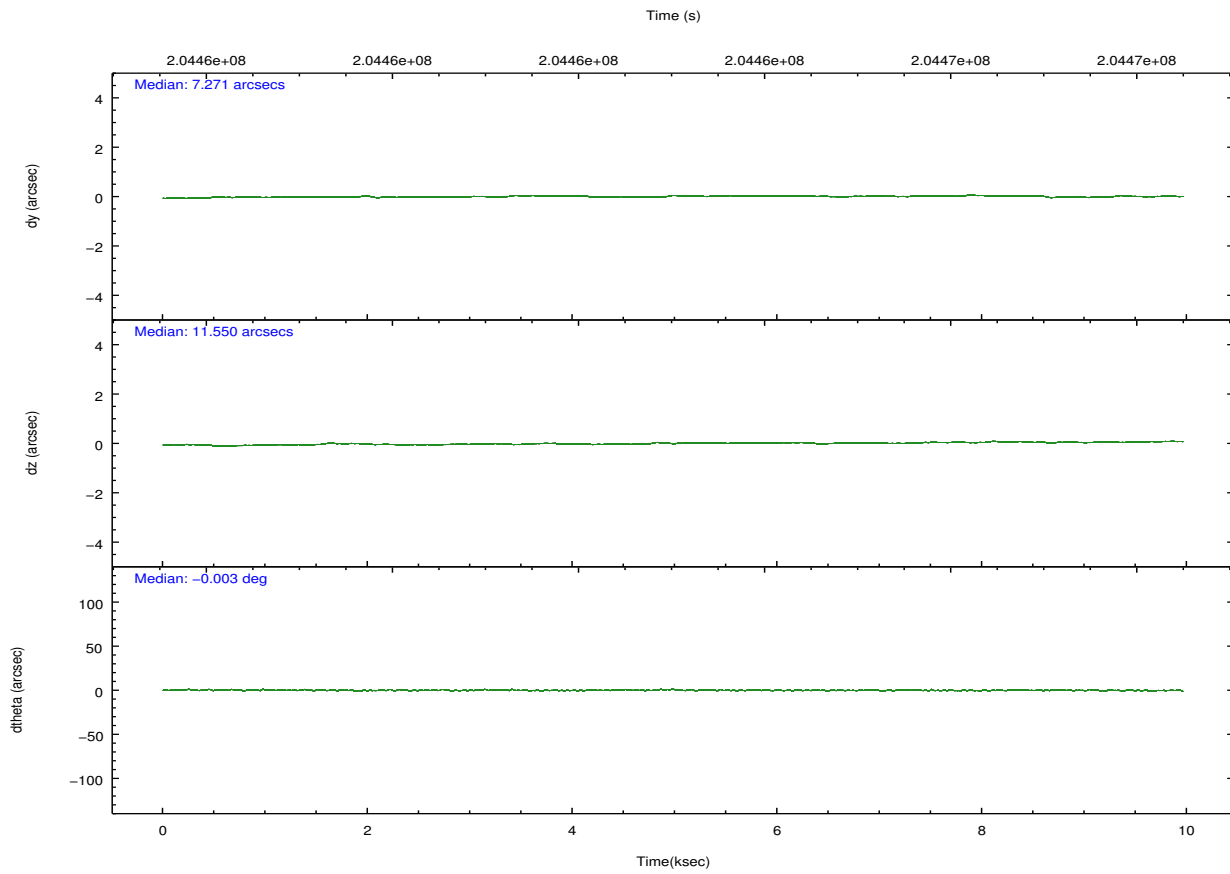
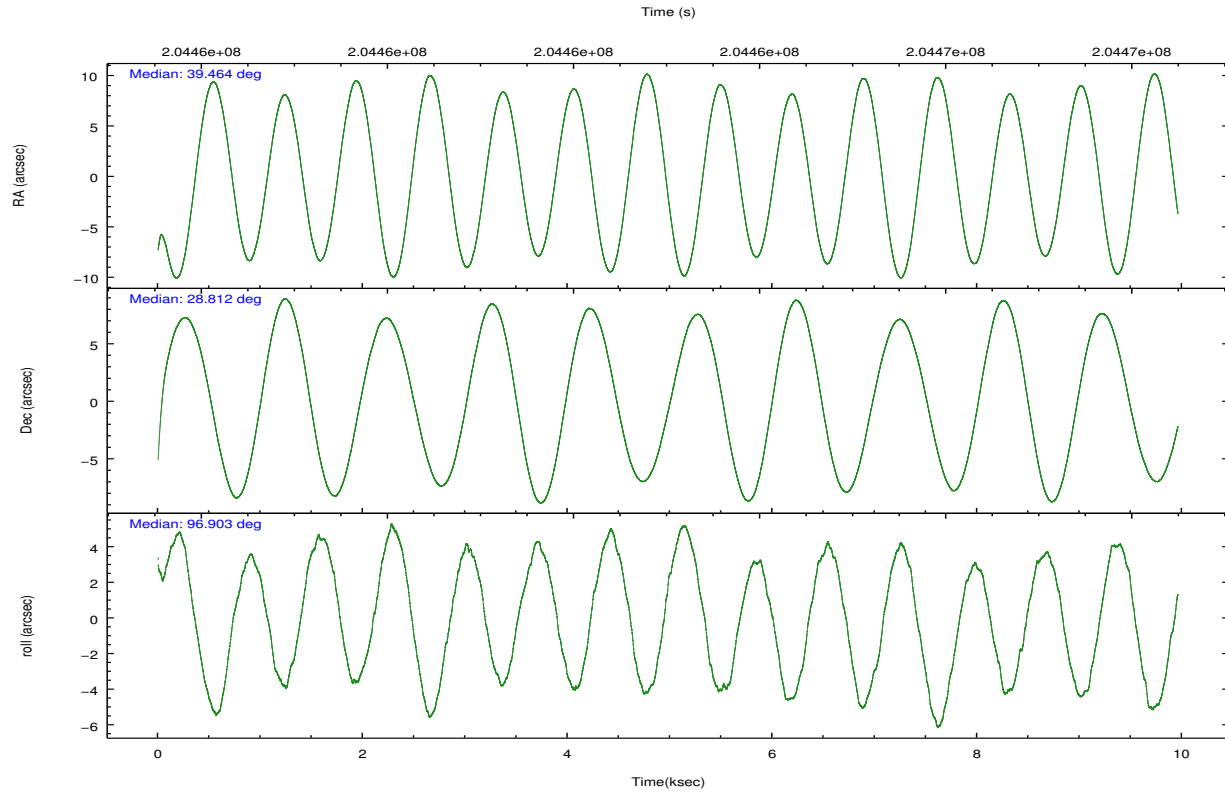
	ccd 7
grade 0 events	1241
	7%
grade 1 events	20
	0%
grade 2 events	1851
	11%
grade 3 events	1098
	6%
grade 4 events	1113
	6%
grade 5 events	1257
	7%
grade 6 events	3608
	22%
grade 7 events	6189
	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	39.483220	39.46420859420452	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	28.790116	28.81167109987965	Subarray start row	1	1
[deg] Pointing Roll	96.741630	96.90741300898272	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-178.632523	-178.6395878605364			
[mm] SIM translation stage offset	-11.5	-11.49293472247138			
[s] Observation start time (MET)	204458193.184000	204457109.90118			
Observation start date	2004-06-24T09:55:29	2004-06-24T09:38:29			
[s] Observation end time (MET)	204467998.184000	204468208.60168			
Observation end date	2004-06-24T12:38:54	2004-06-24T12:43:28			
Read mode	TIMED	TIMED			

2.3 Aspect



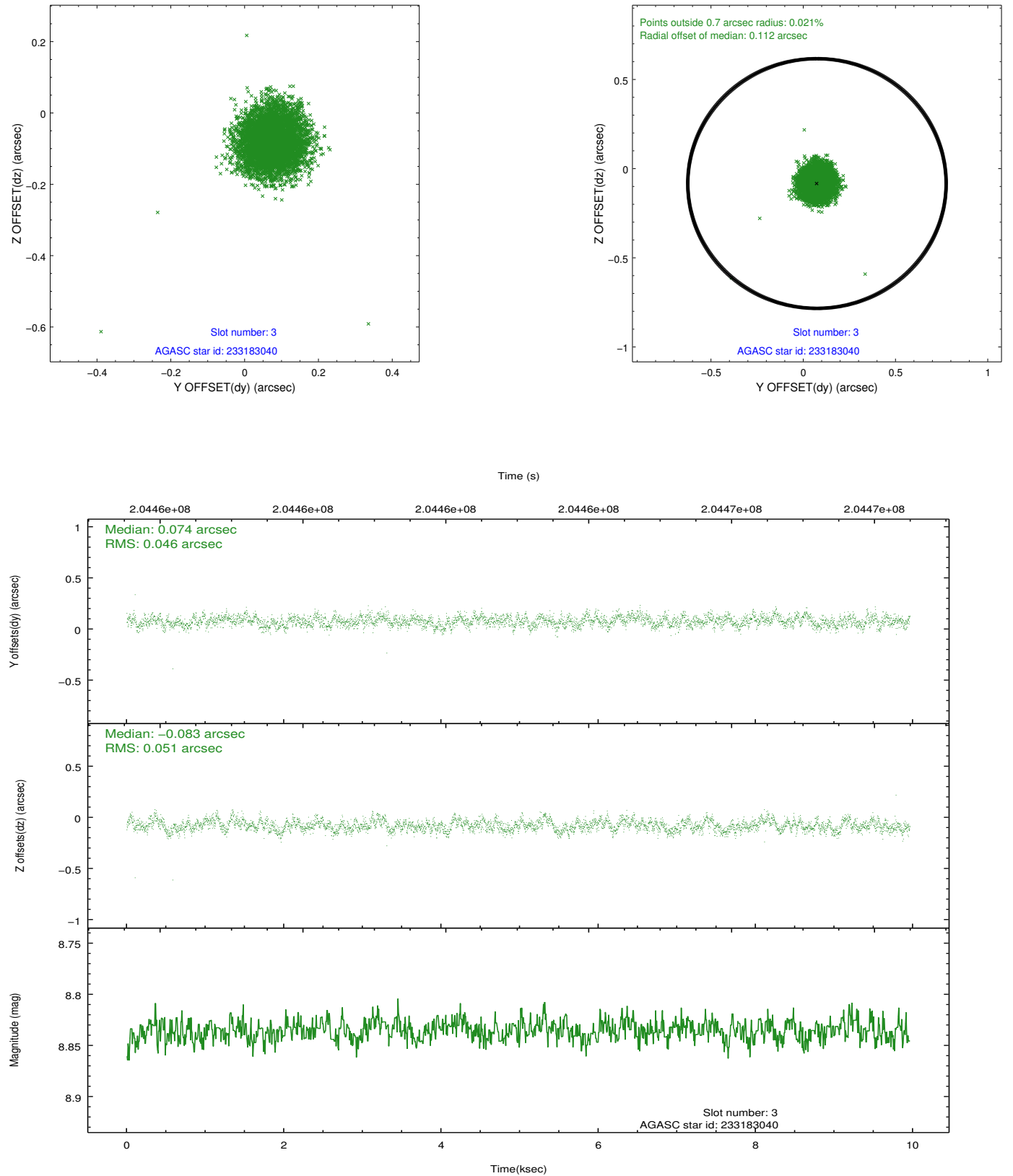


Slot Statistics

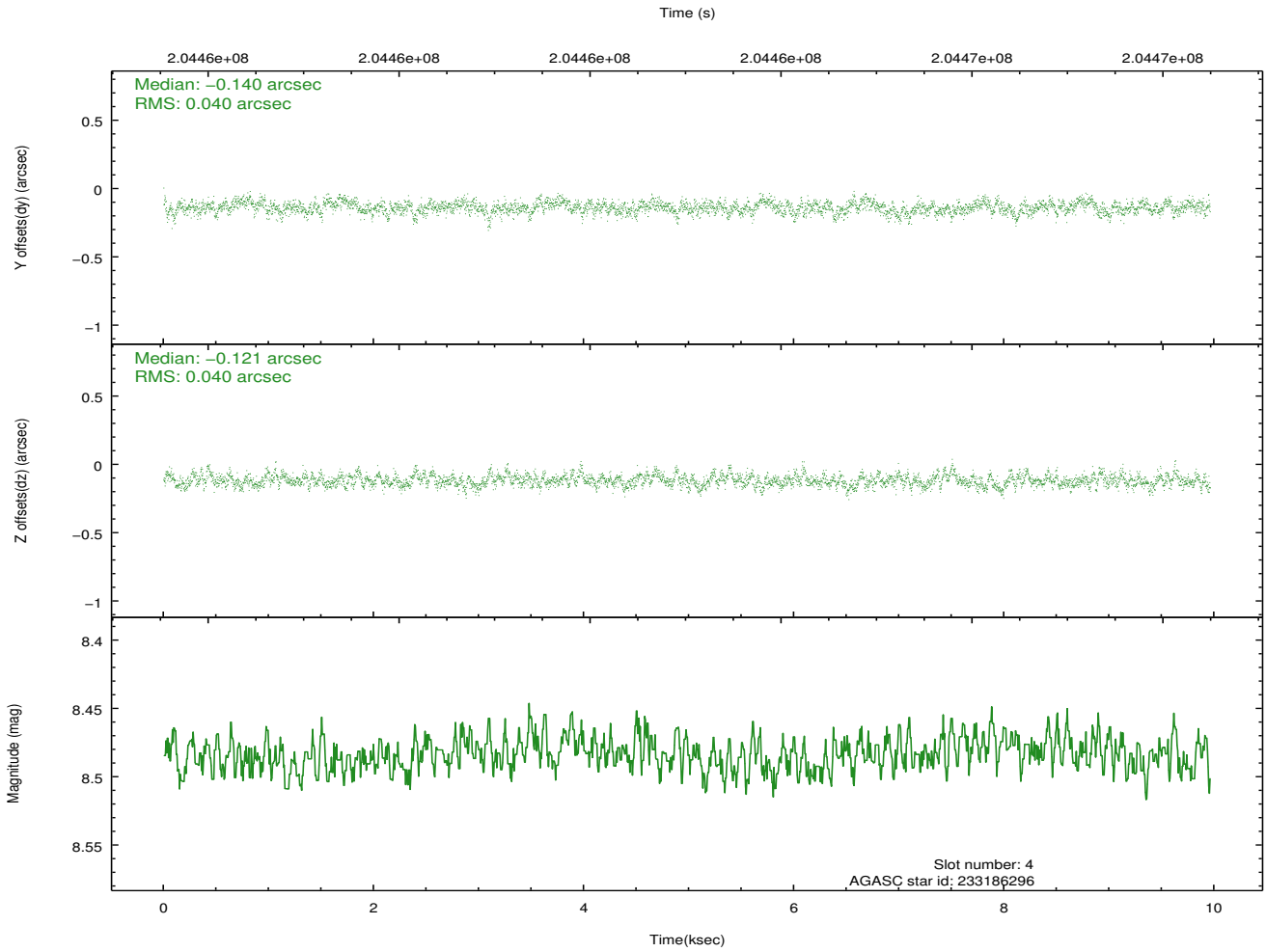
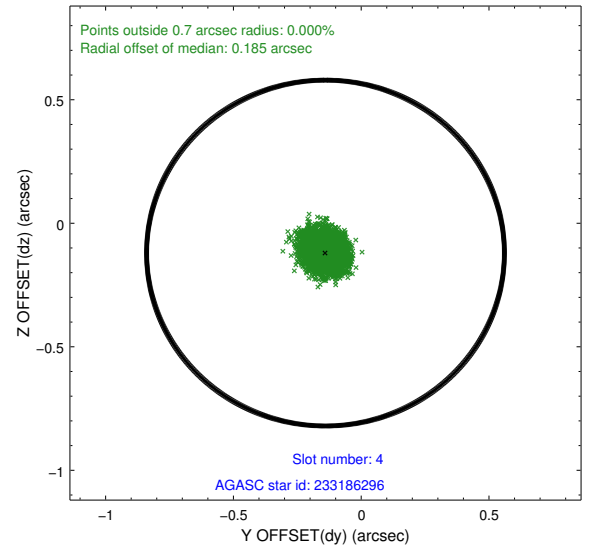
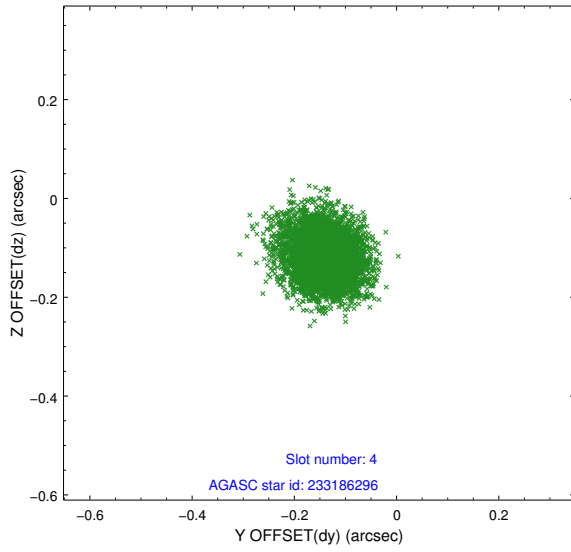
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2430	0.090	0.110	0.006	0.011	0.000000	0.000000	936.85	-1964.99
1	FID	ACIS-S-5	7.23	2430	-0.075	0.120	0.006	0.011	0.000000	0.000000	-1811.91	-67.95
2	FID	ACIS-S-6	7.42	2430	-0.037	-0.219	0.007	0.011	0.000000	0.000000	401.84	576.17
3	GUIDE	233183040	8.84	4859	0.074	-0.083	0.073	0.115	39.451381	28.335117	-1614.66	292.33
4	GUIDE	233186296	8.48	4860	-0.140	-0.121	0.059	0.101	38.928418	29.221701	1751.20	1548.37
5	GUIDE	233187392	8.98	4796	0.050	0.097	0.062	0.101	39.589876	28.682211	-424.65	-288.41
6	GUIDE	233188480	8.64	4860	0.000	-0.078	0.072	0.115	39.072560	28.563518	-655.47	1384.90
7	GUIDE	233317856	9.45	4856	0.016	0.190	0.091	0.147	40.058244	28.587465	-933.82	-1719.70

2.4 Star Slots

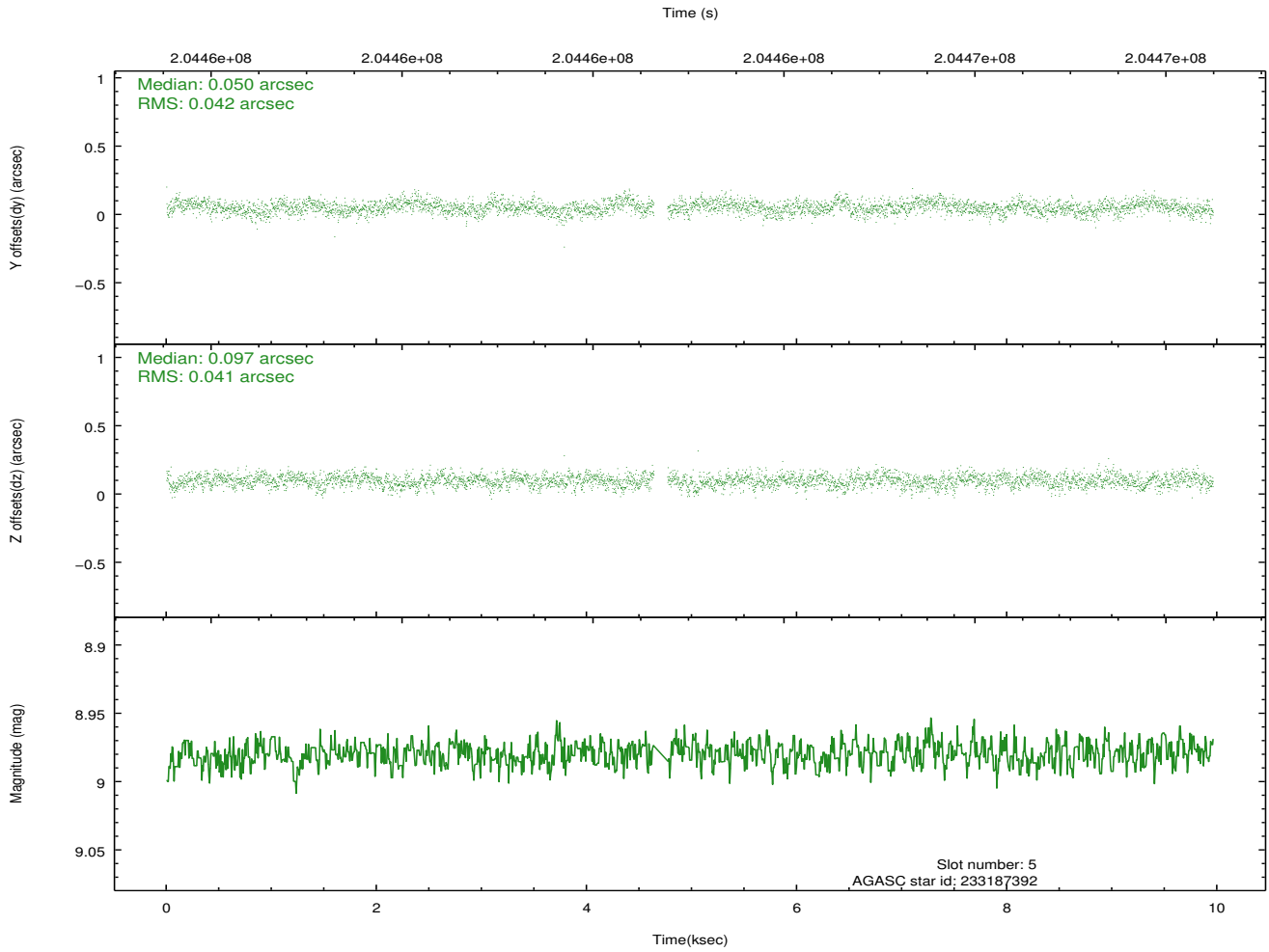
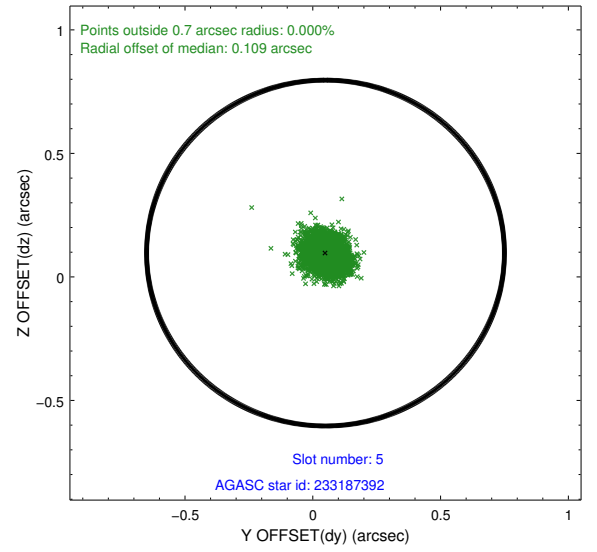
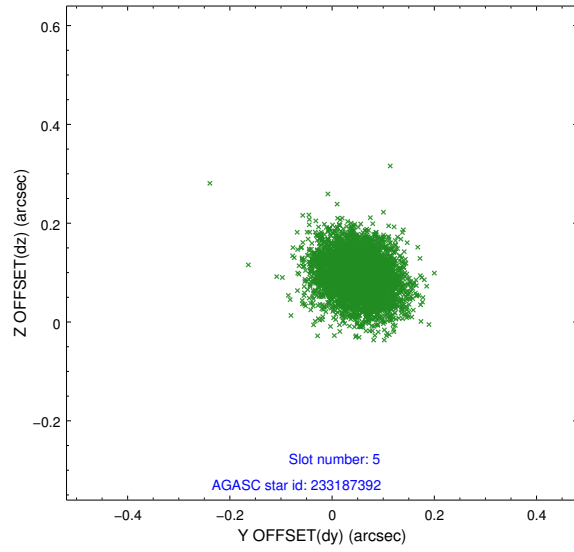
2.4.1 Slot 3



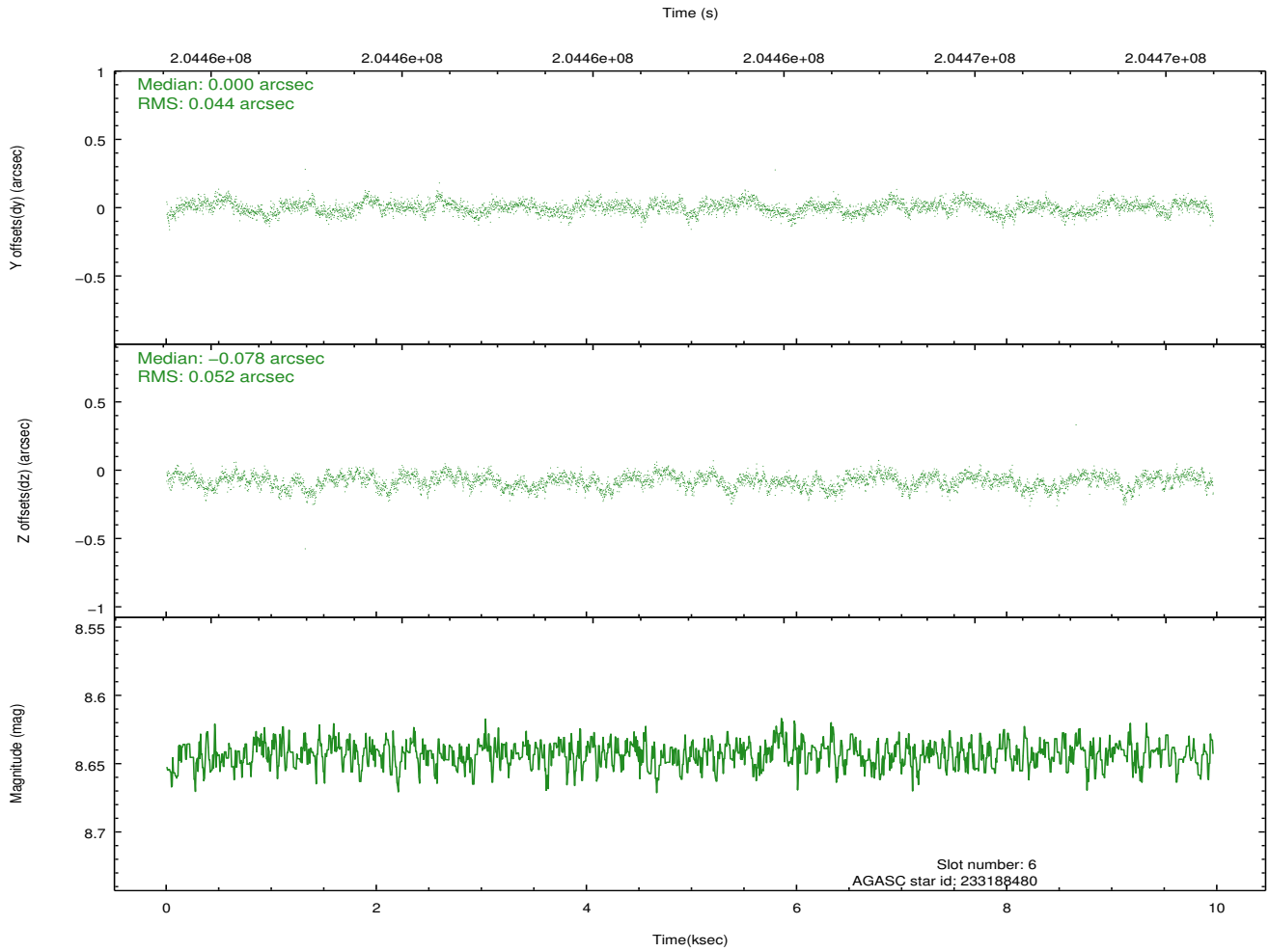
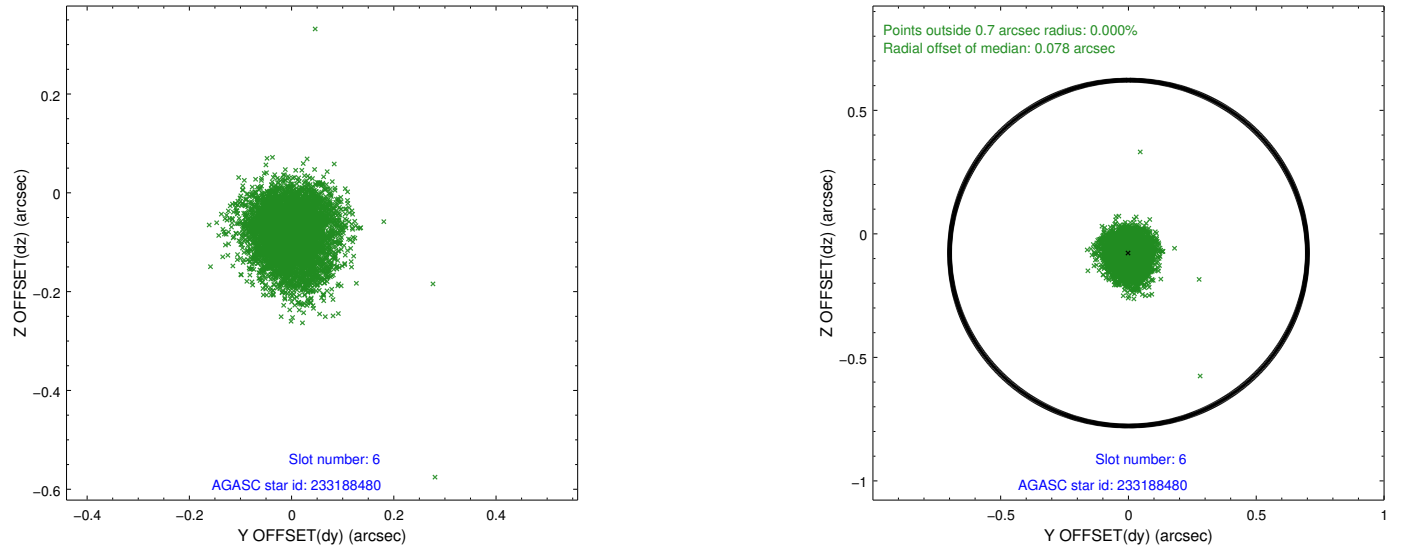
2.4.2 Slot 4



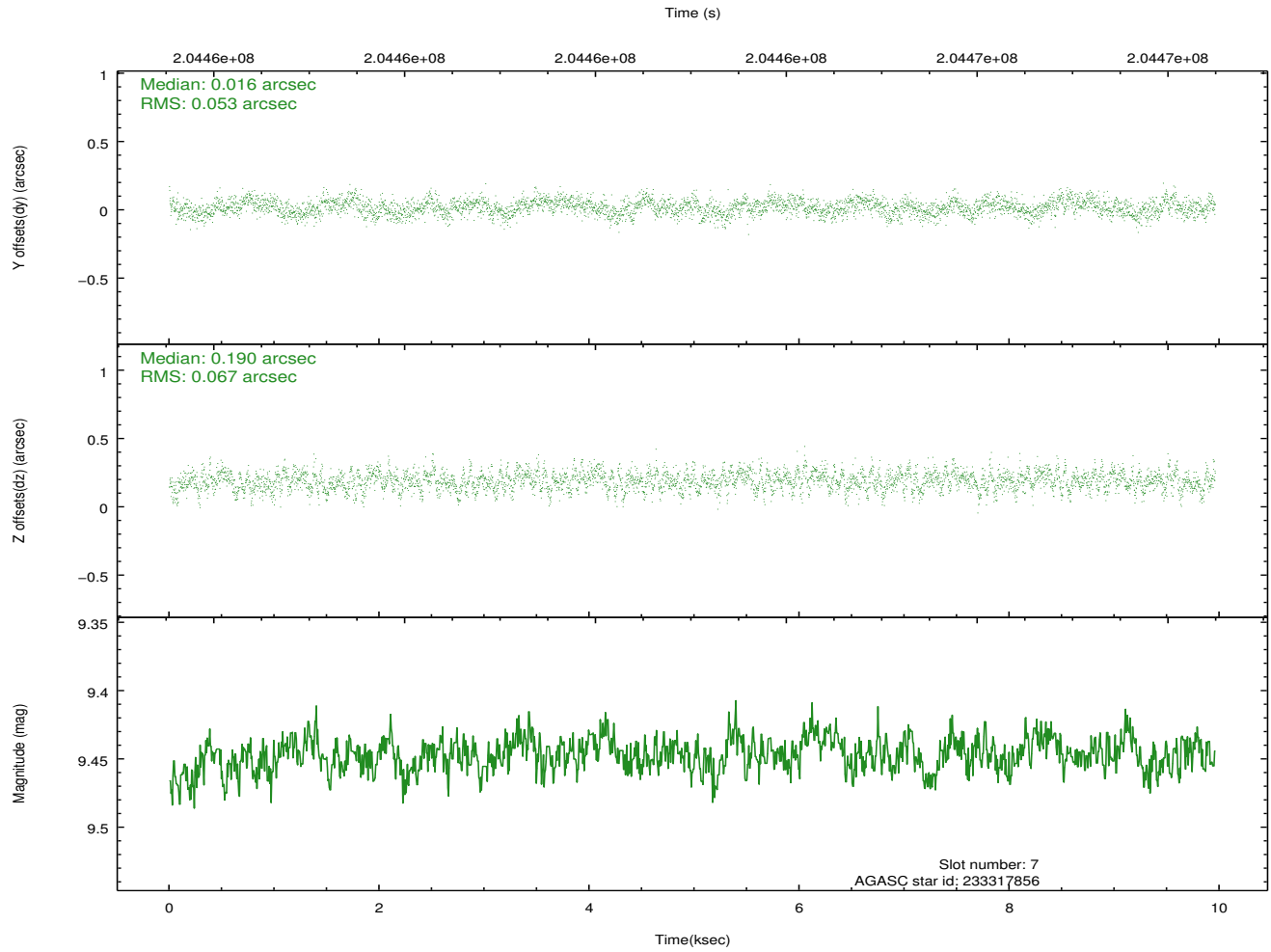
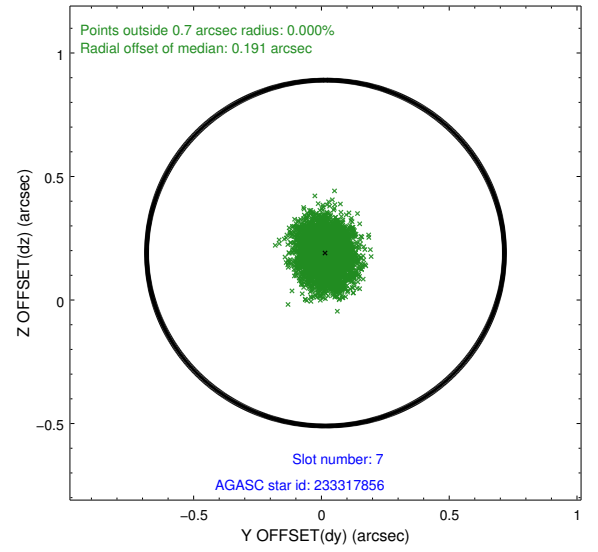
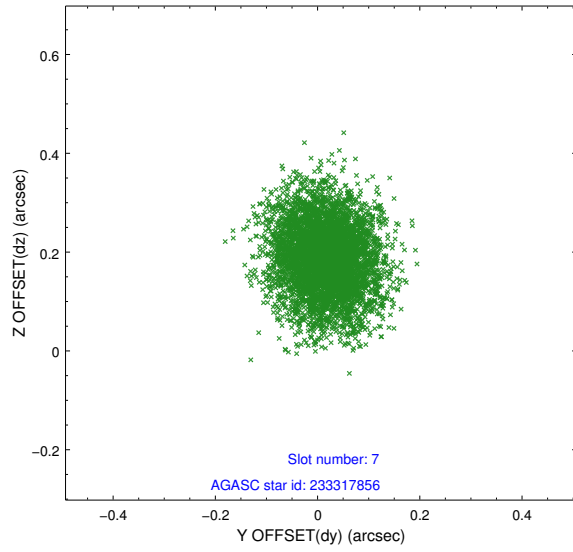
2.4.3 Slot 5



2.4.4 Slot 6

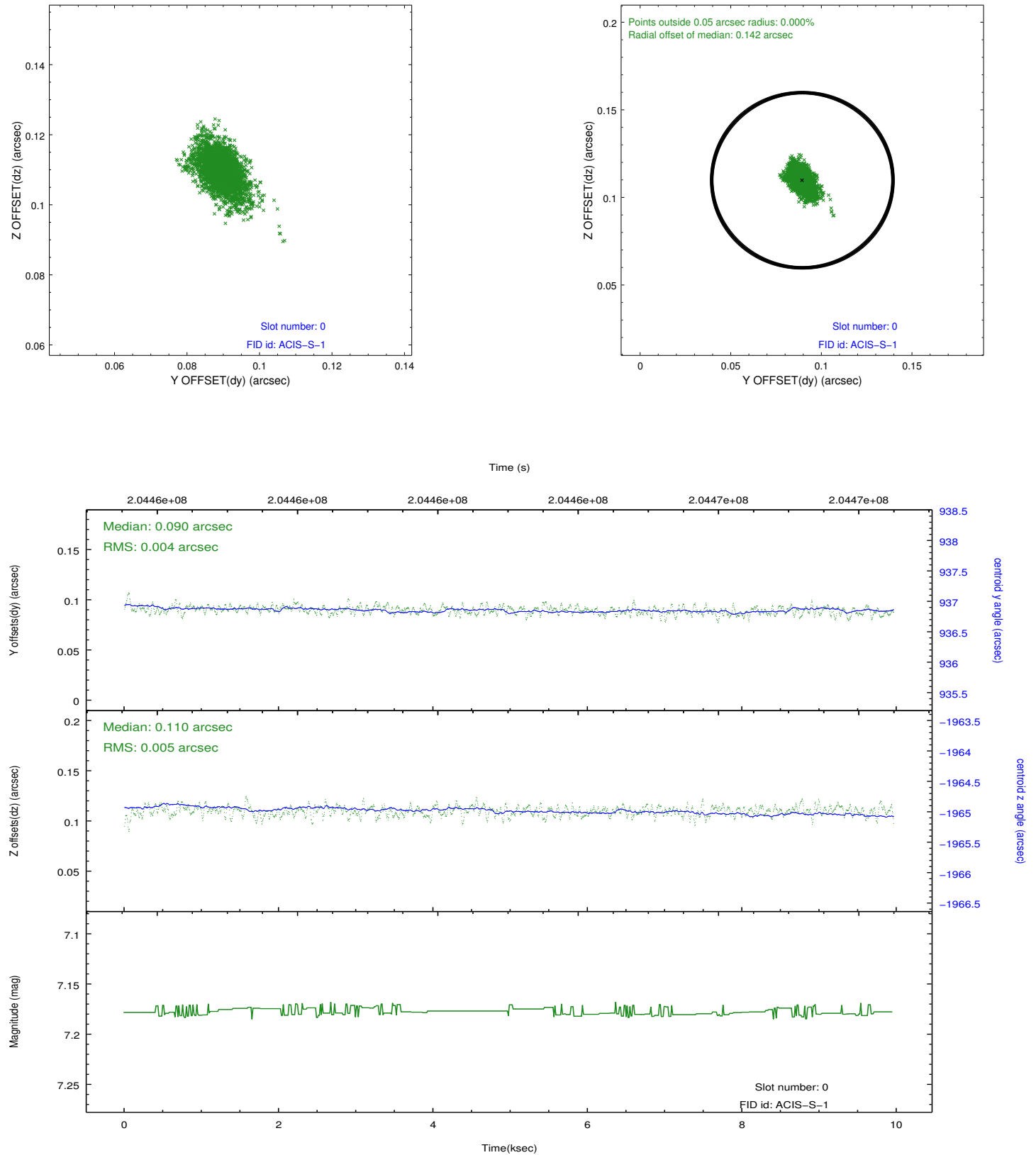


2.4.5 Slot 7

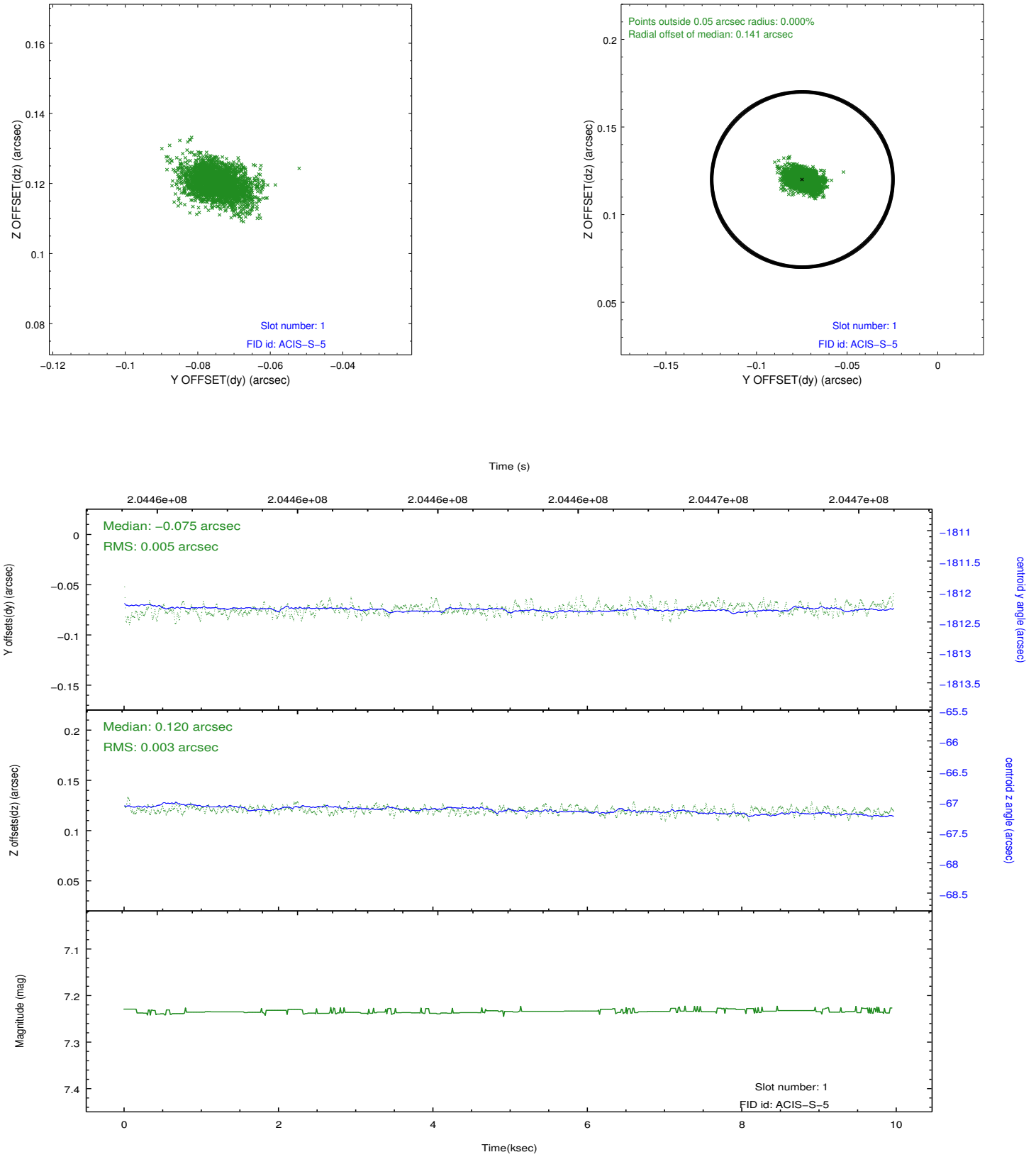


2.5 FID Slots

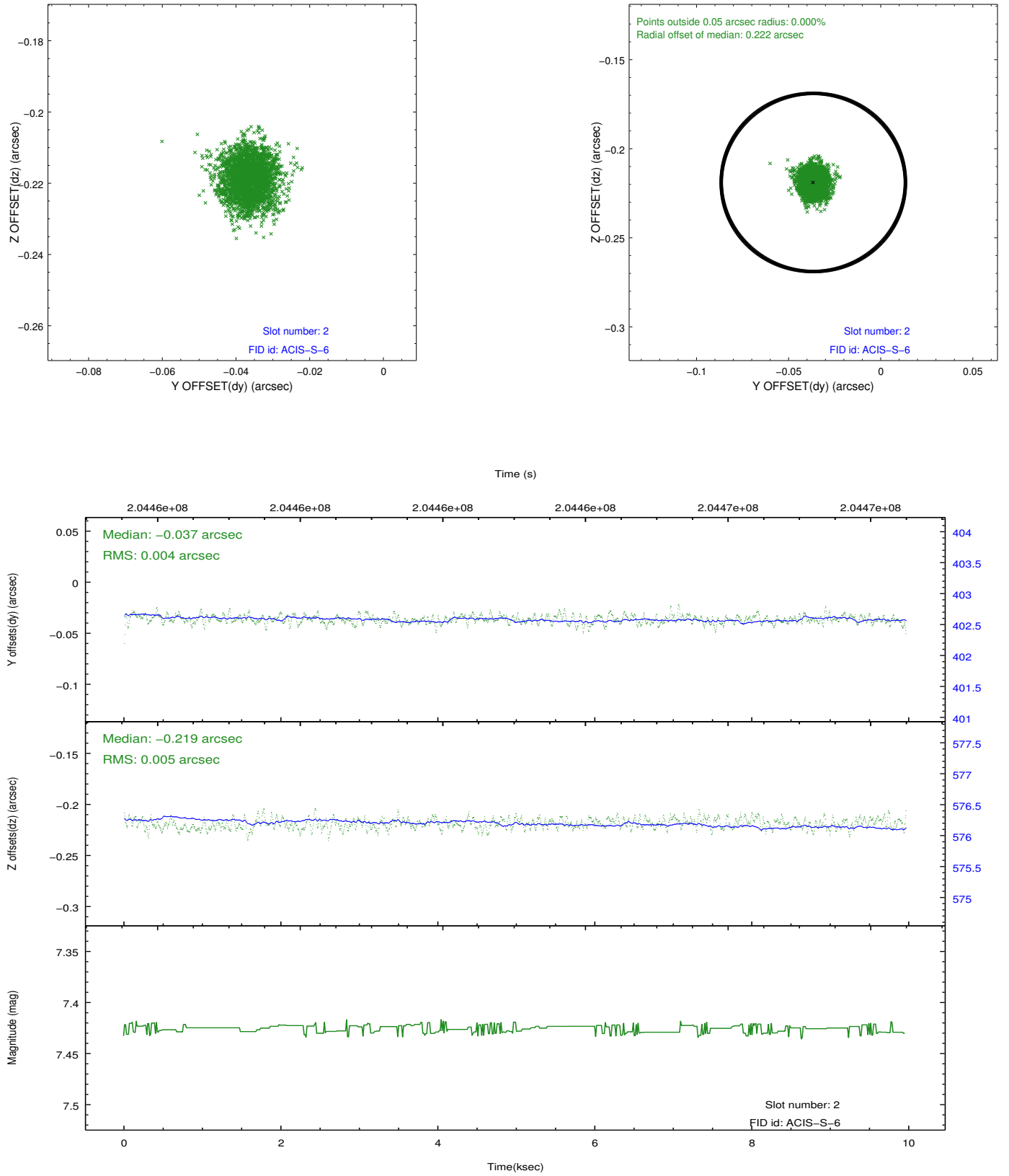
2.5.1 Slot 0



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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.959

A.2 Comments

Roll preference met.