

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6304 - L2 Version 2
Chandra X-Ray Center

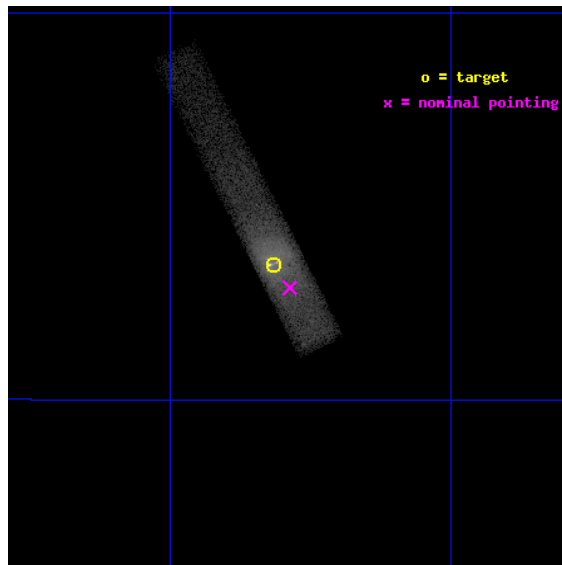
L2 Processing Date : Apr 4 2012

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1 Front

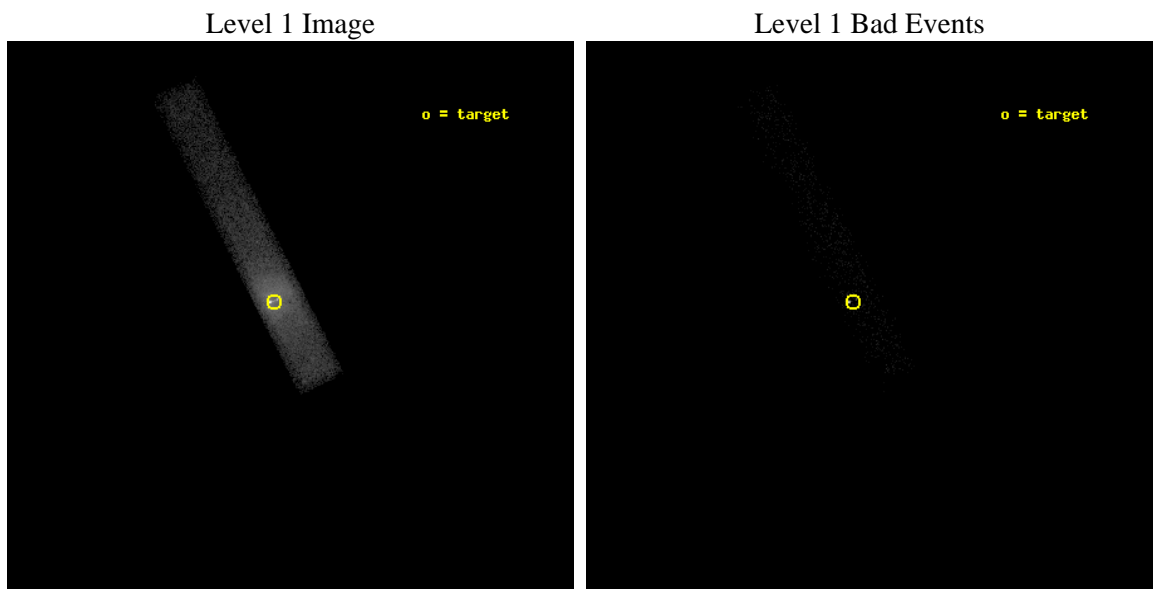
seq_num	701186	Sequence number
obs_id	6304	Observation id
title	HST / Chandra Monitoring of a Dramatic Flare in the M87 Jet	Propos
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69682642142	Nominal RA [deg]
dec_nom	12.381411870383	Nominal Dec [deg]
roll_nom	243.15820483517	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5156.4000768065	Sum of GTIs [s]
livetime	4676.5826925508	Livetime [s]
ontime7	5156.4000768065	Sum of GTIs [s]
l2events	57352	Number of level 2 events



2 OBI

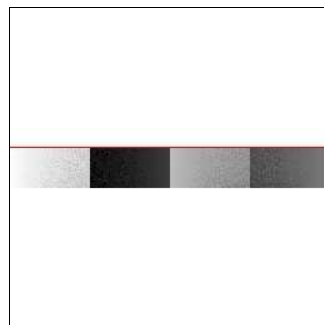
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4975.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5156.4000768065	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5156.4000768065	Sum of GTIs [s]
date	2012-04-04T01:12:51	Date and time of file creation	l1events	67515	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	67515
rejected events	9574
rejected %	14%

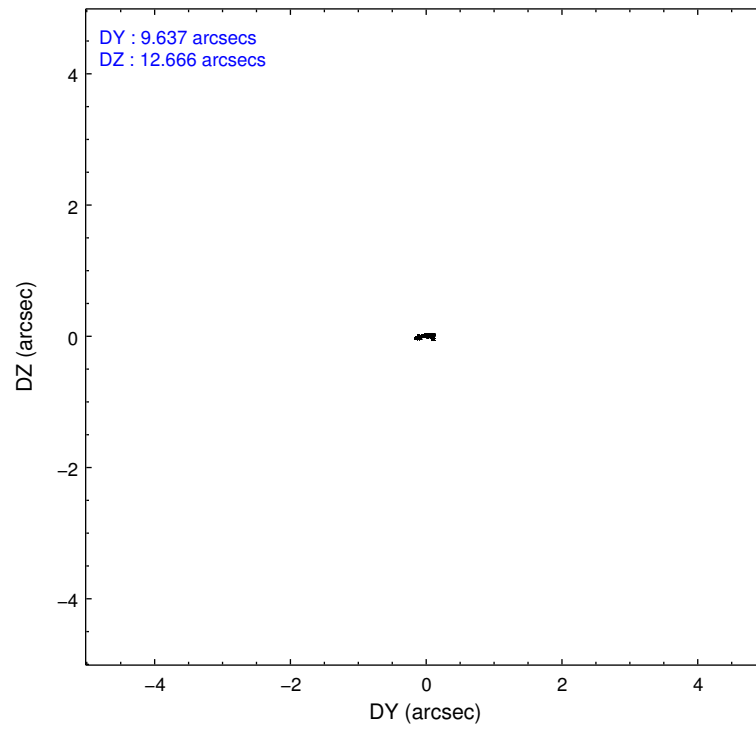
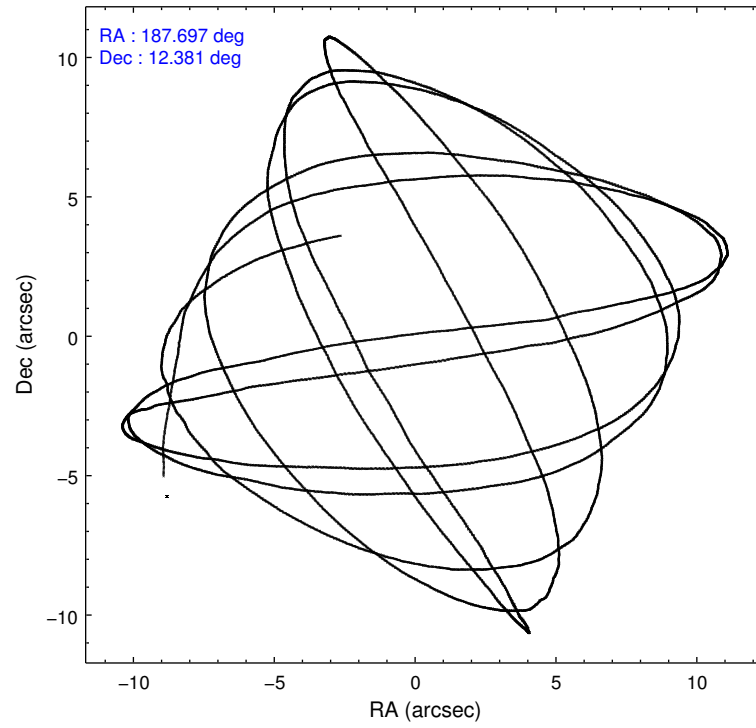
	ccd 7
grade 0 events	18349
	27%
grade 1 events	341
	0%
grade 2 events	15283
	22%
grade 3 events	6952
	10%
grade 4 events	6896
	10%
grade 5 events	2138
	3%
grade 6 events	12238
	18%
grade 7 events	5318
	7%

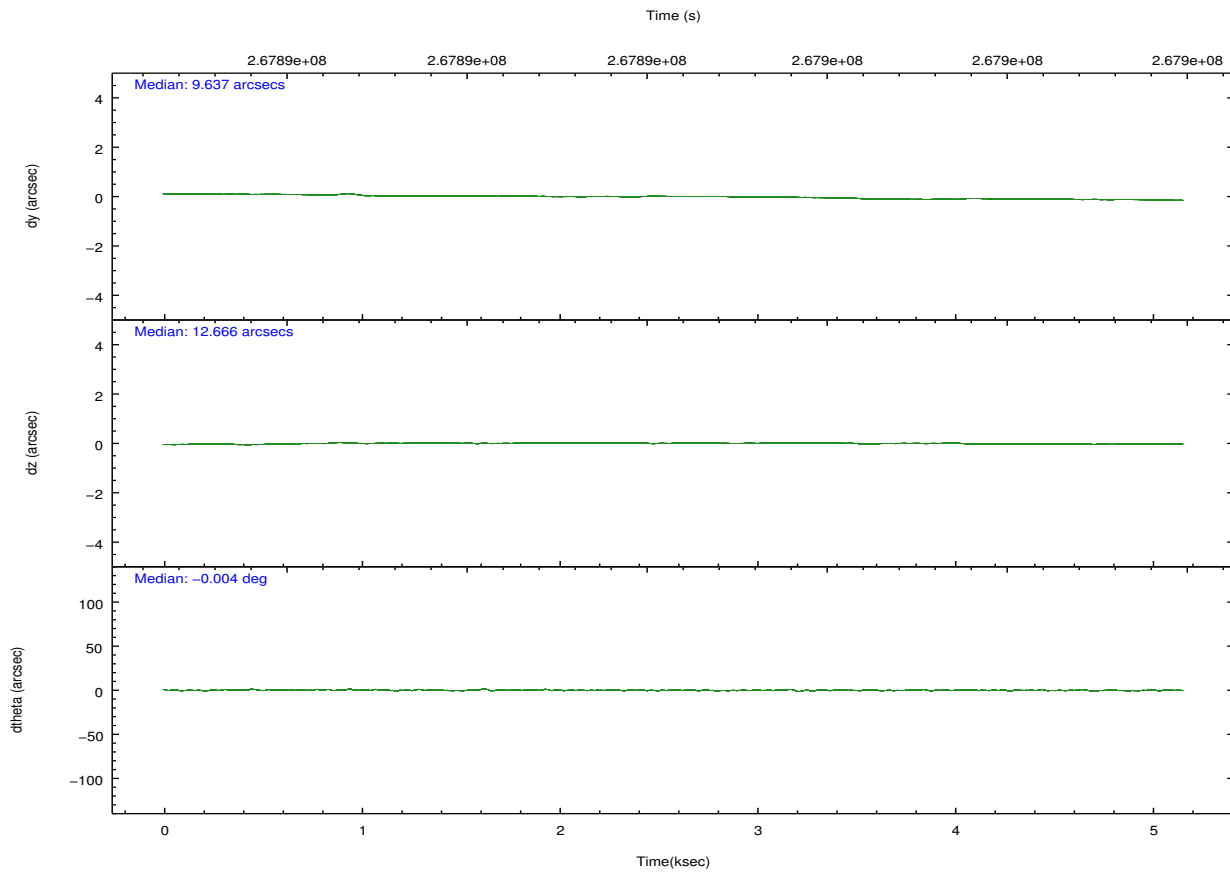
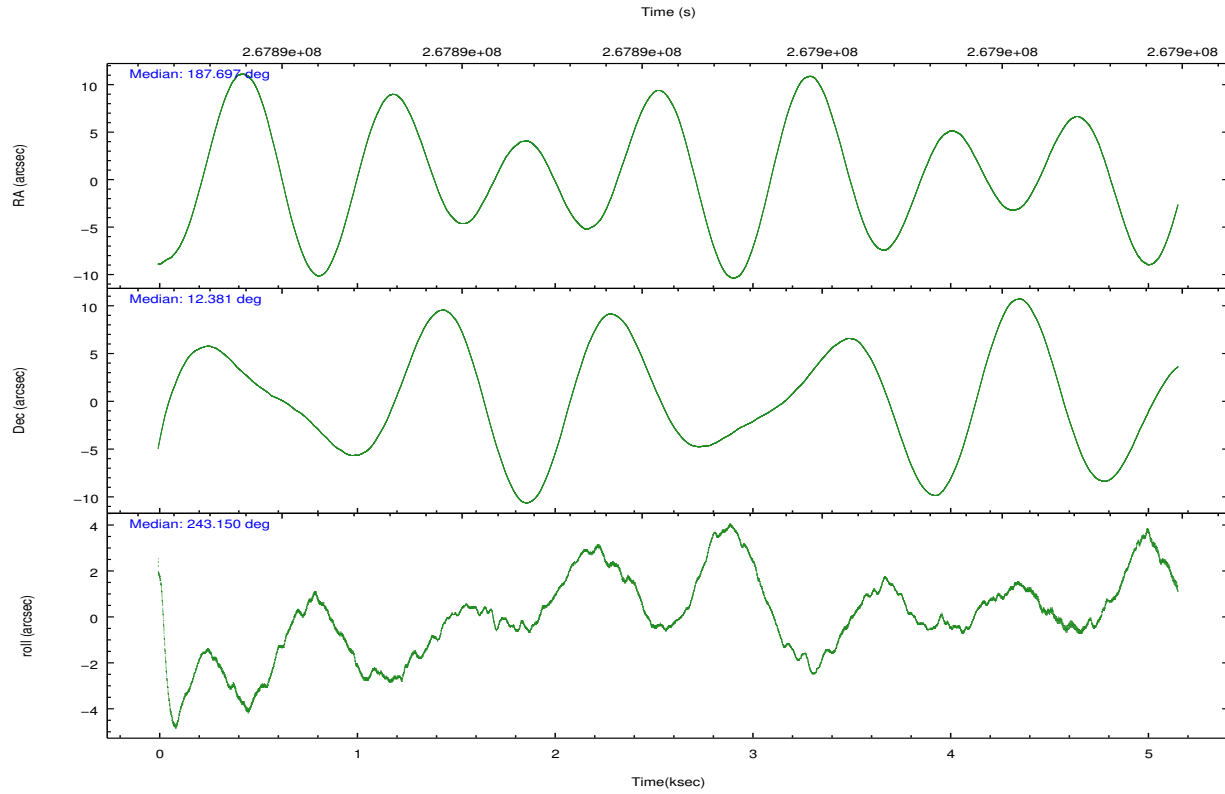
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	187.694989	187.6968264214239
[deg] Pointing Dec	12.408579	12.38141187038316
[deg] Pointing Roll	243.001970	243.1582048351653
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	267891741.184000	267890825.0093
Observation start date	2006-06-28T14:21:16	2006-06-28T14:07:05
[s] Observation end time (MET)	267896716.184000	267897338.3721
Observation end date	2006-06-28T15:44:11	2006-06-28T15:55:38
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



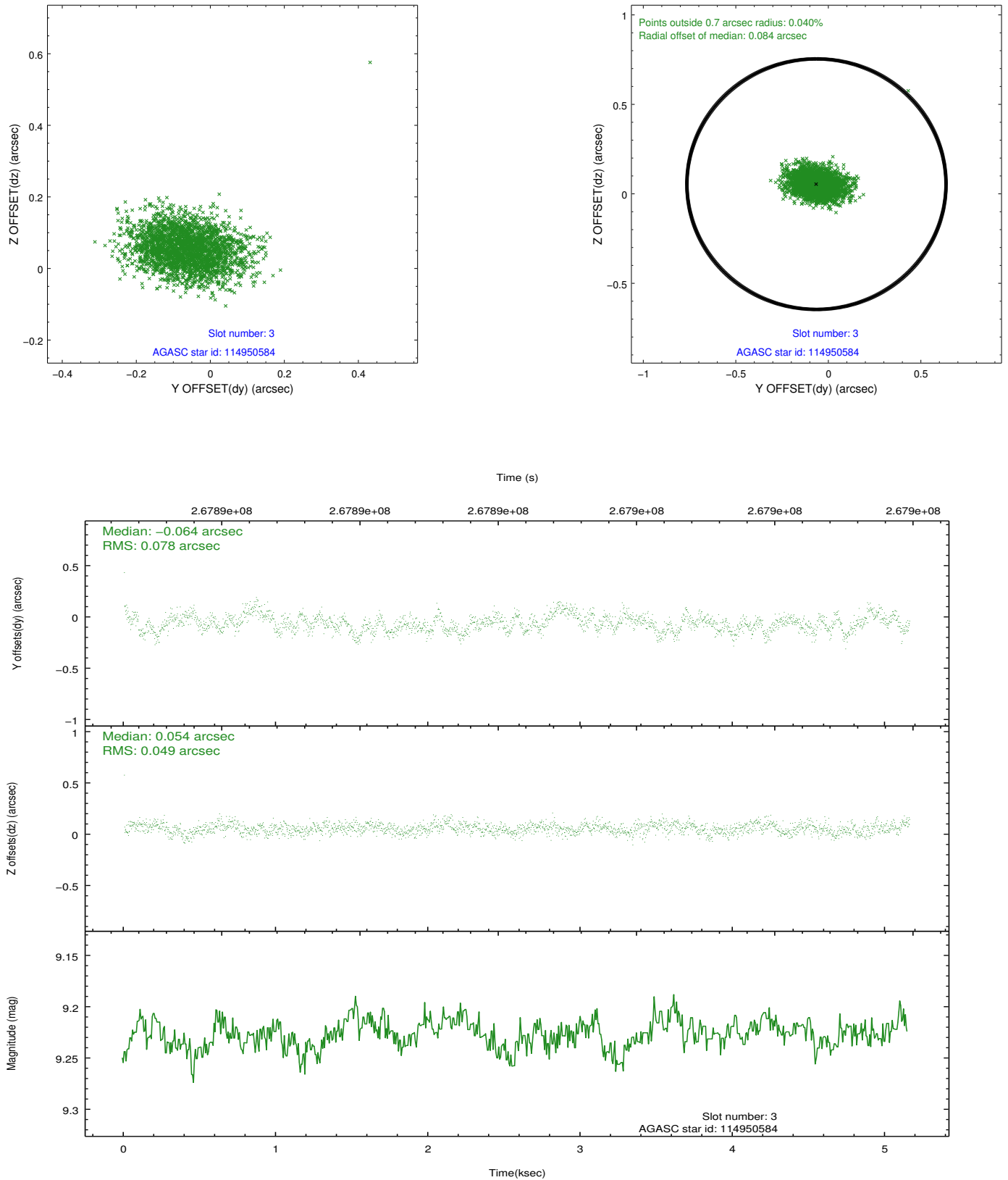


Slot Statistics

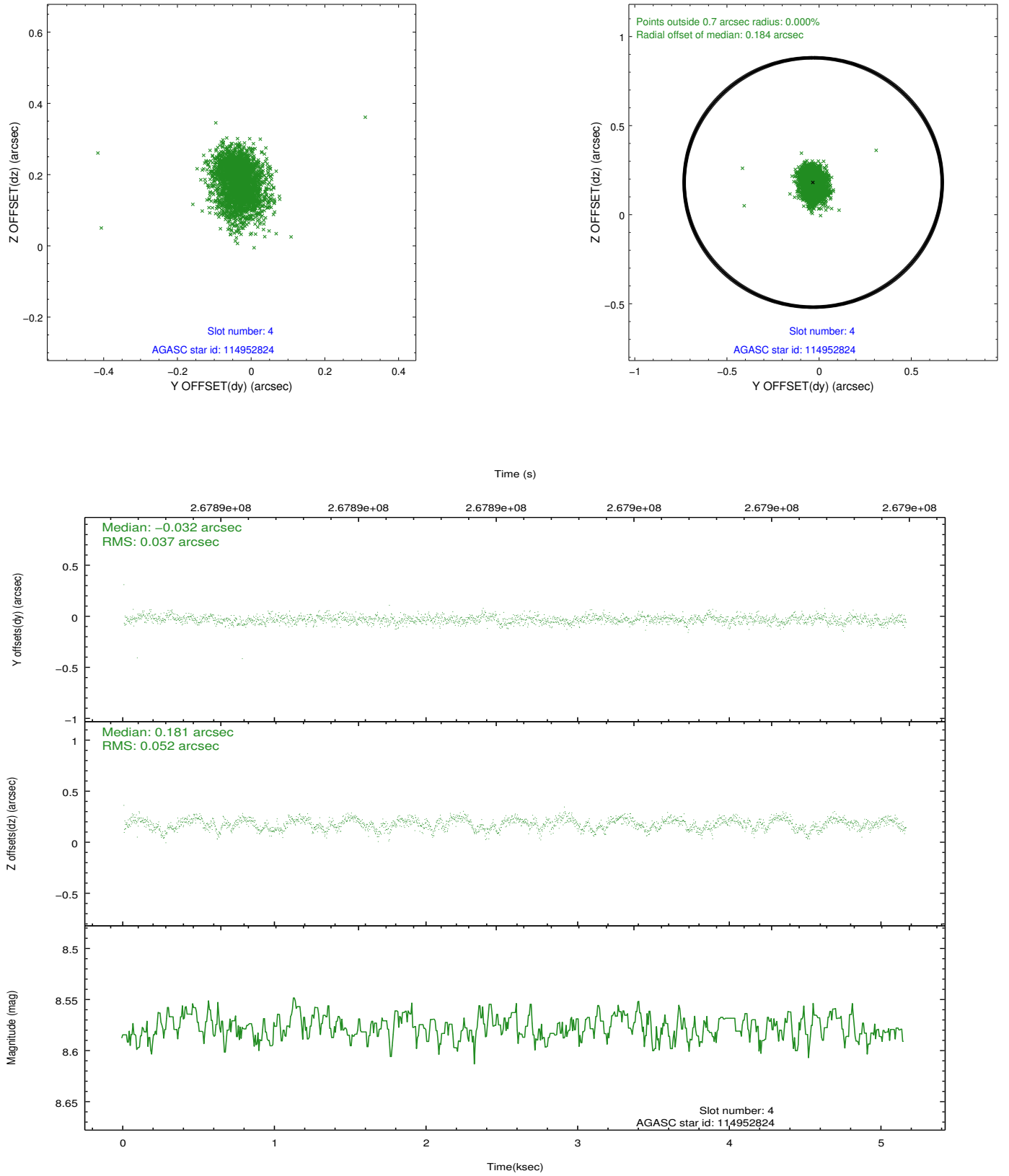
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1258	0.083	-0.057	0.008	0.014	0.000000	0.000000	933.62	-1729.64
1	FID	ACIS-S-5	7.23	1259	-0.148	0.052	0.007	0.012	0.000000	0.000000	-1814.89	166.90
2	FID	ACIS-S-6	7.35	1258	0.043	0.016	0.007	0.012	0.000000	0.000000	397.95	812.08
3	GUIDE	114950584	9.23	2516	-0.064	0.054	0.094	0.163	187.487323	11.827248	2197.02	298.41
4	GUIDE	114952824	8.58	2516	-0.032	0.181	0.066	0.106	187.703904	12.486727	-263.56	-99.45
5	GUIDE	114955056	8.32	2512	-0.031	-0.065	0.061	0.101	187.914001	12.127854	550.33	1145.65
6	GUIDE	114957008	8.26	2517	0.106	-0.118	0.088	0.146	186.894794	12.099160	2268.72	-2005.46
7	GUIDE	114954440	9.22	2514	0.020	-0.047	0.083	0.137	186.915066	12.219118	1851.37	-2137.01

2.4 Star Slots

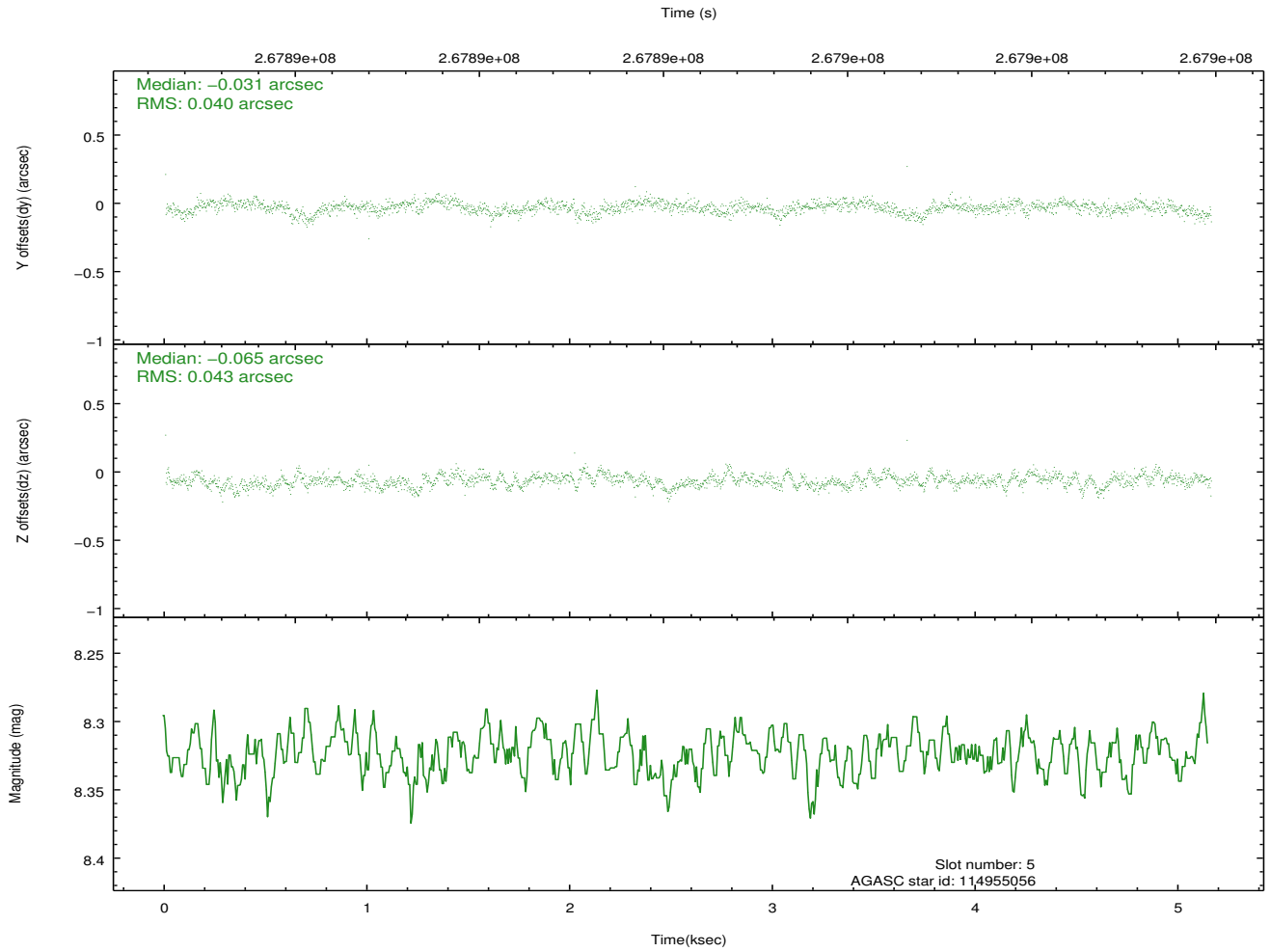
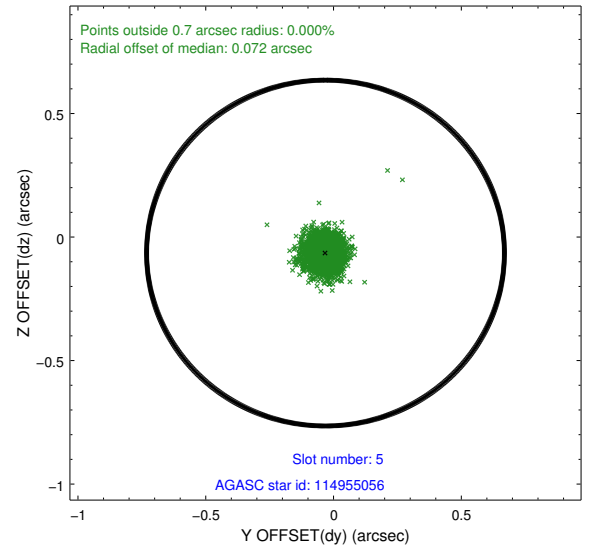
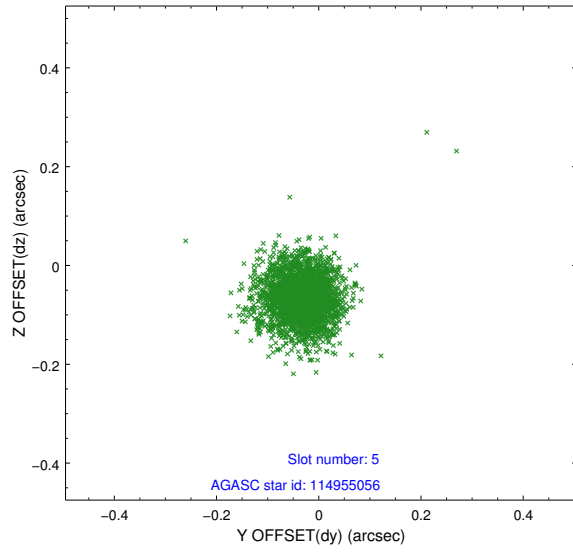
2.4.1 Slot 3



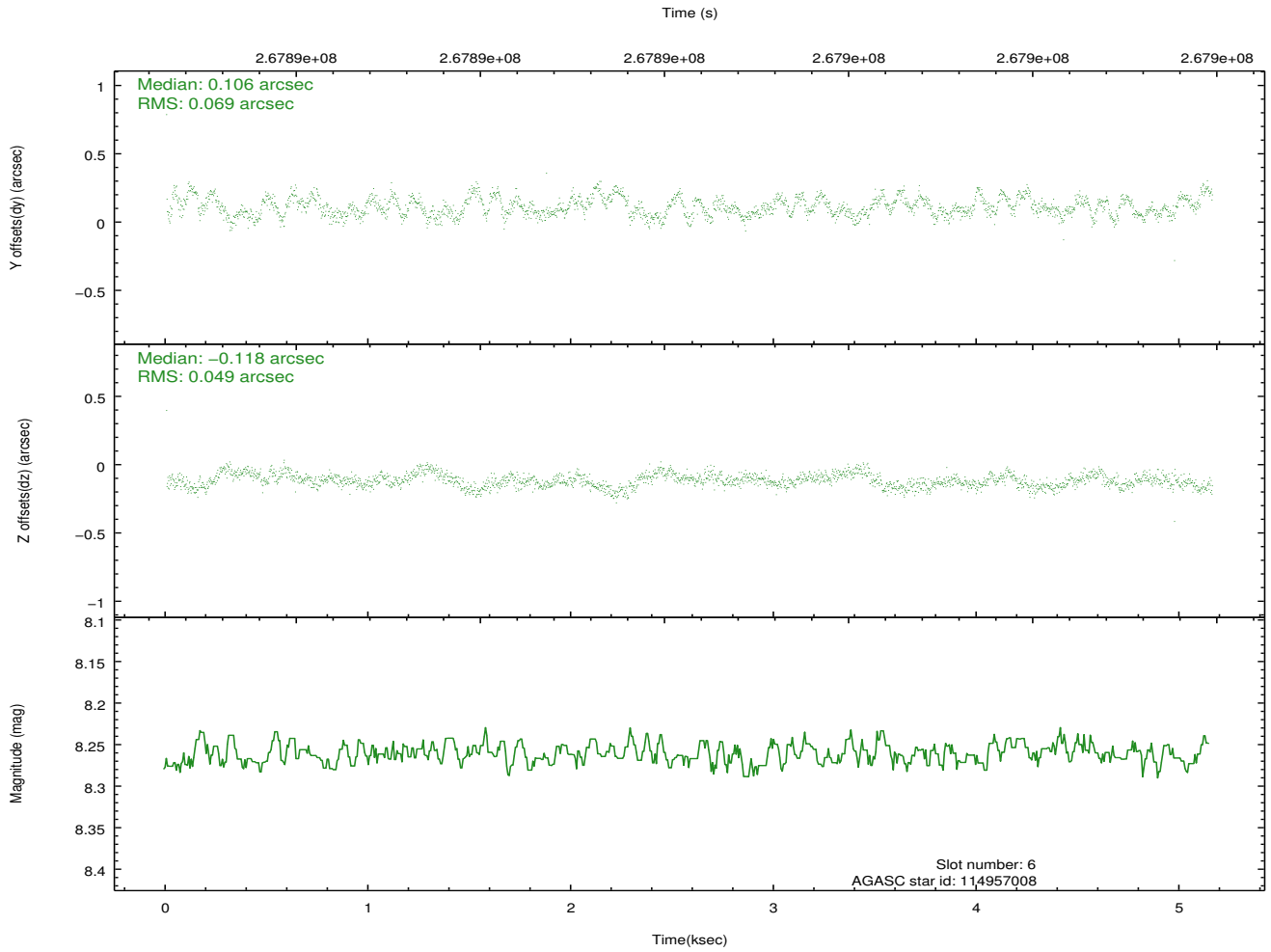
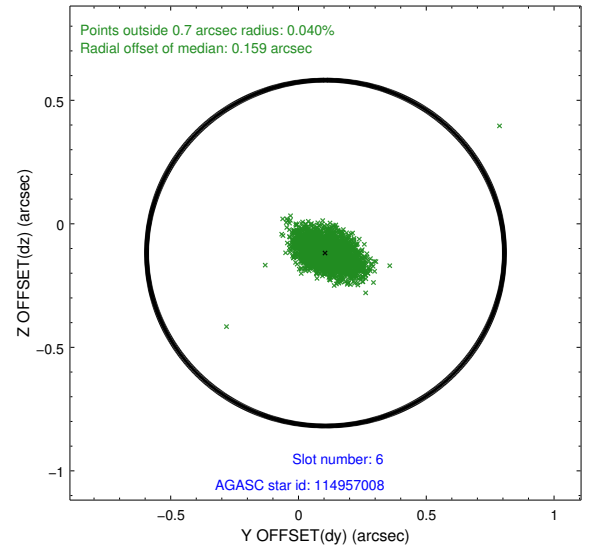
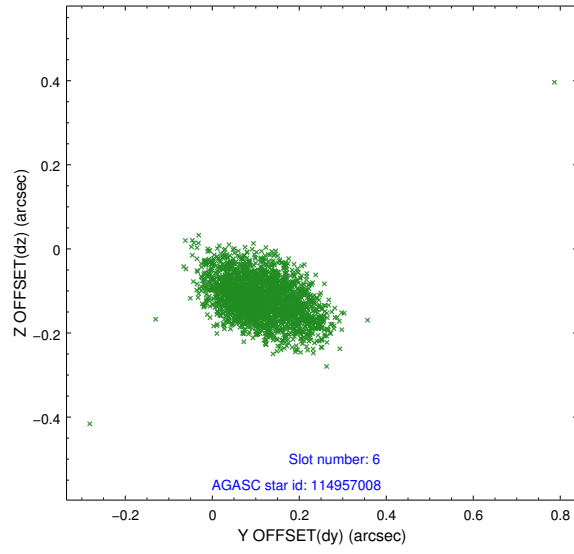
2.4.2 Slot 4



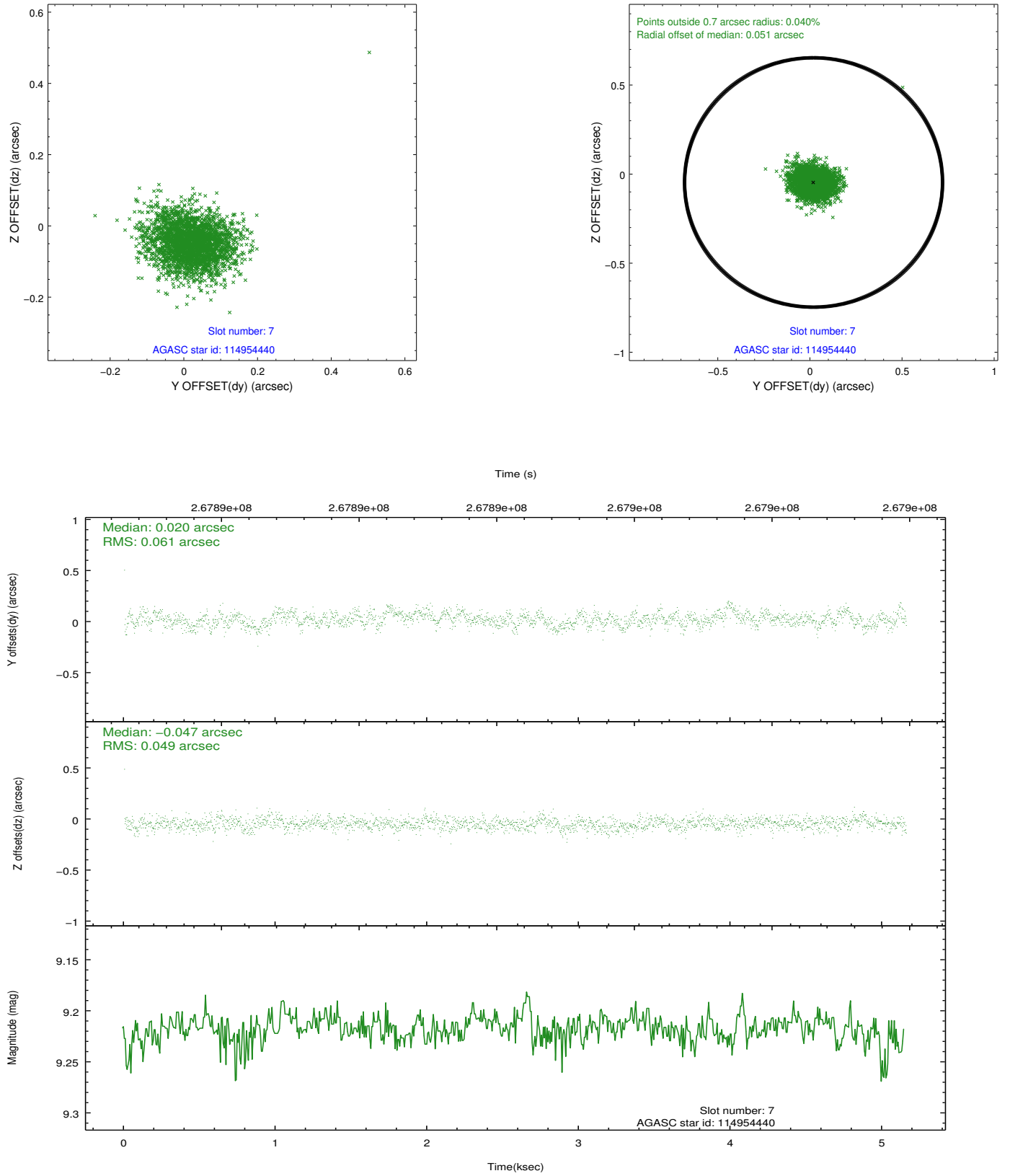
2.4.3 Slot 5



2.4.4 Slot 6

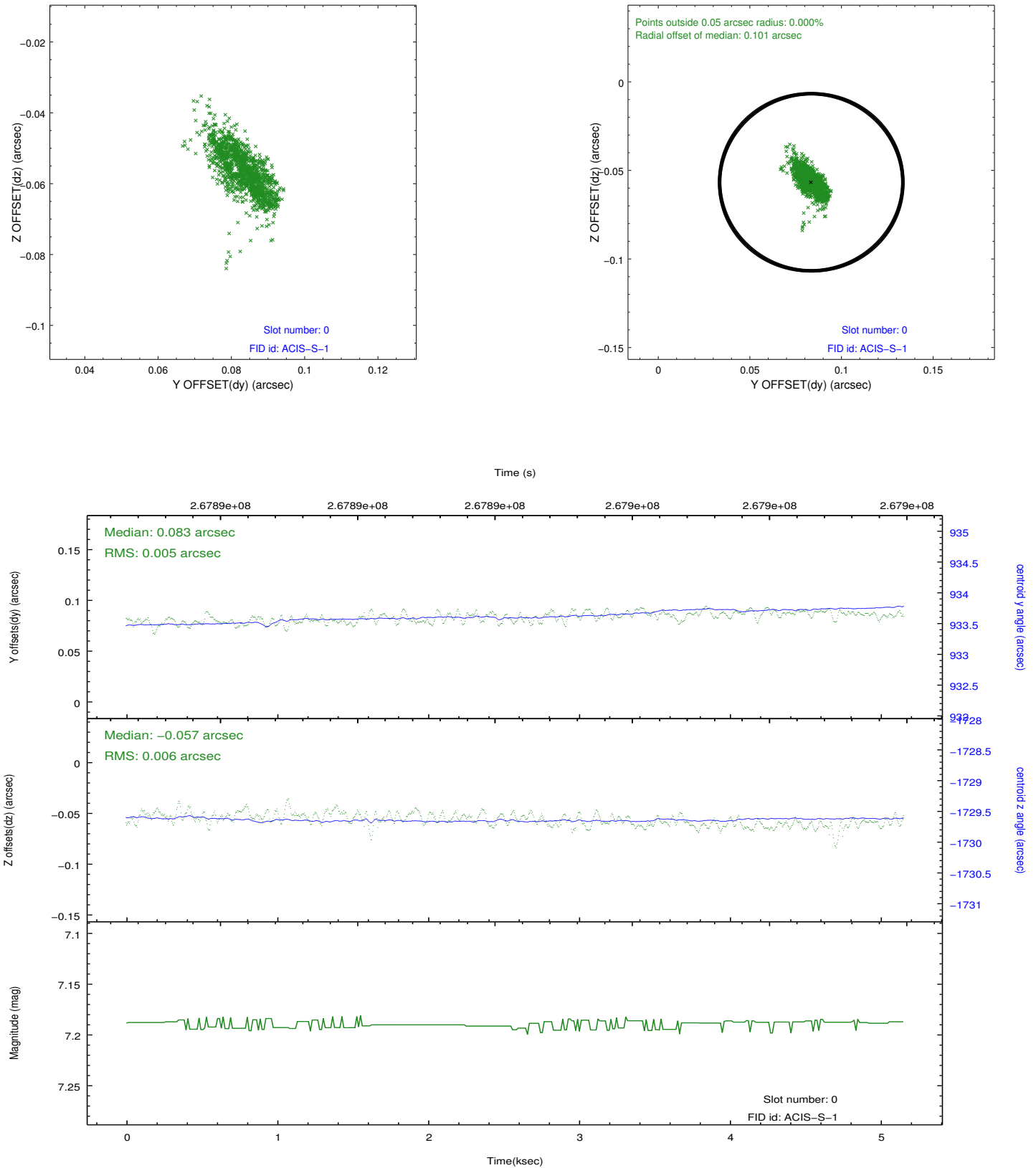


2.4.5 Slot 7

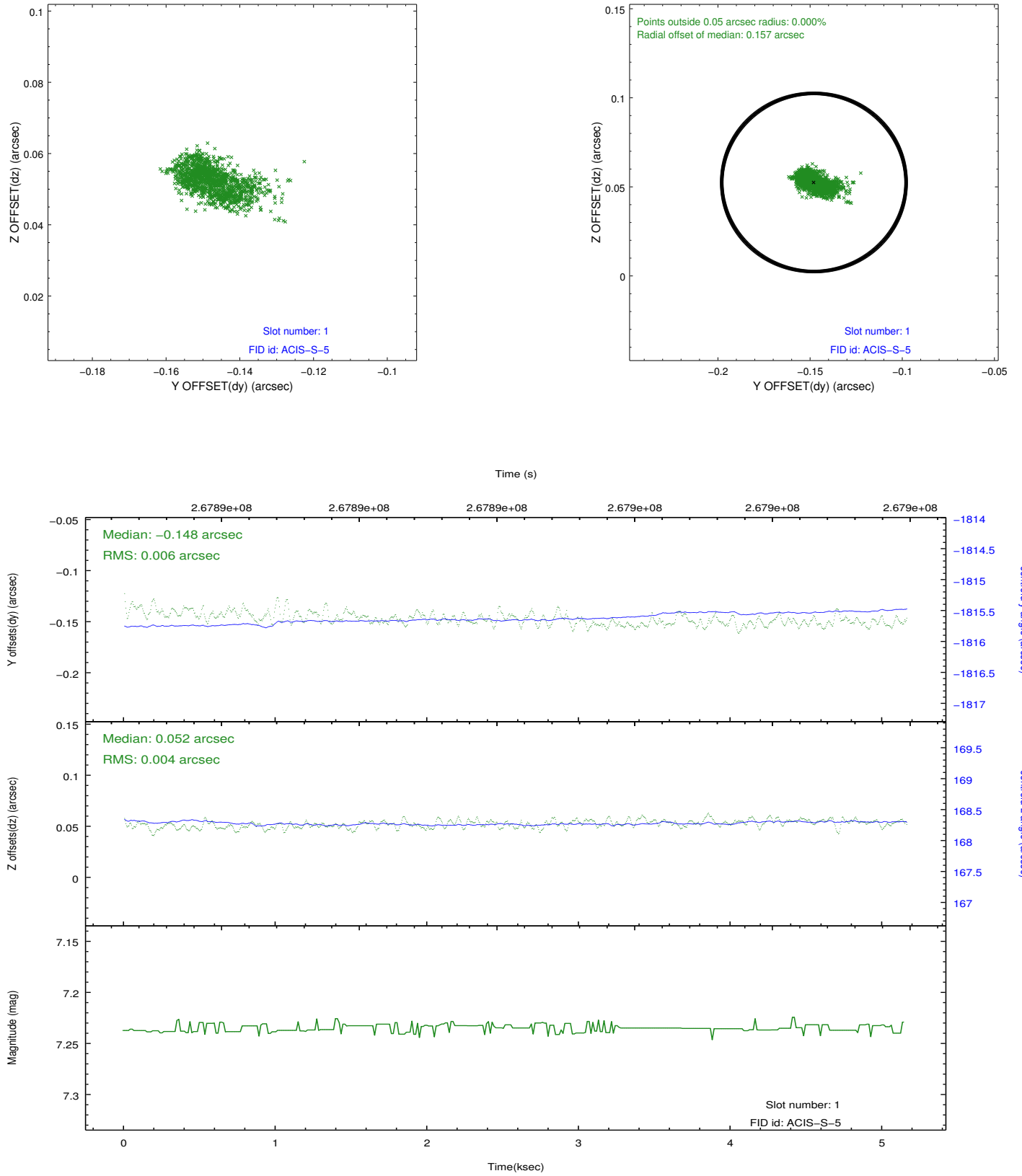


2.5 FID Slots

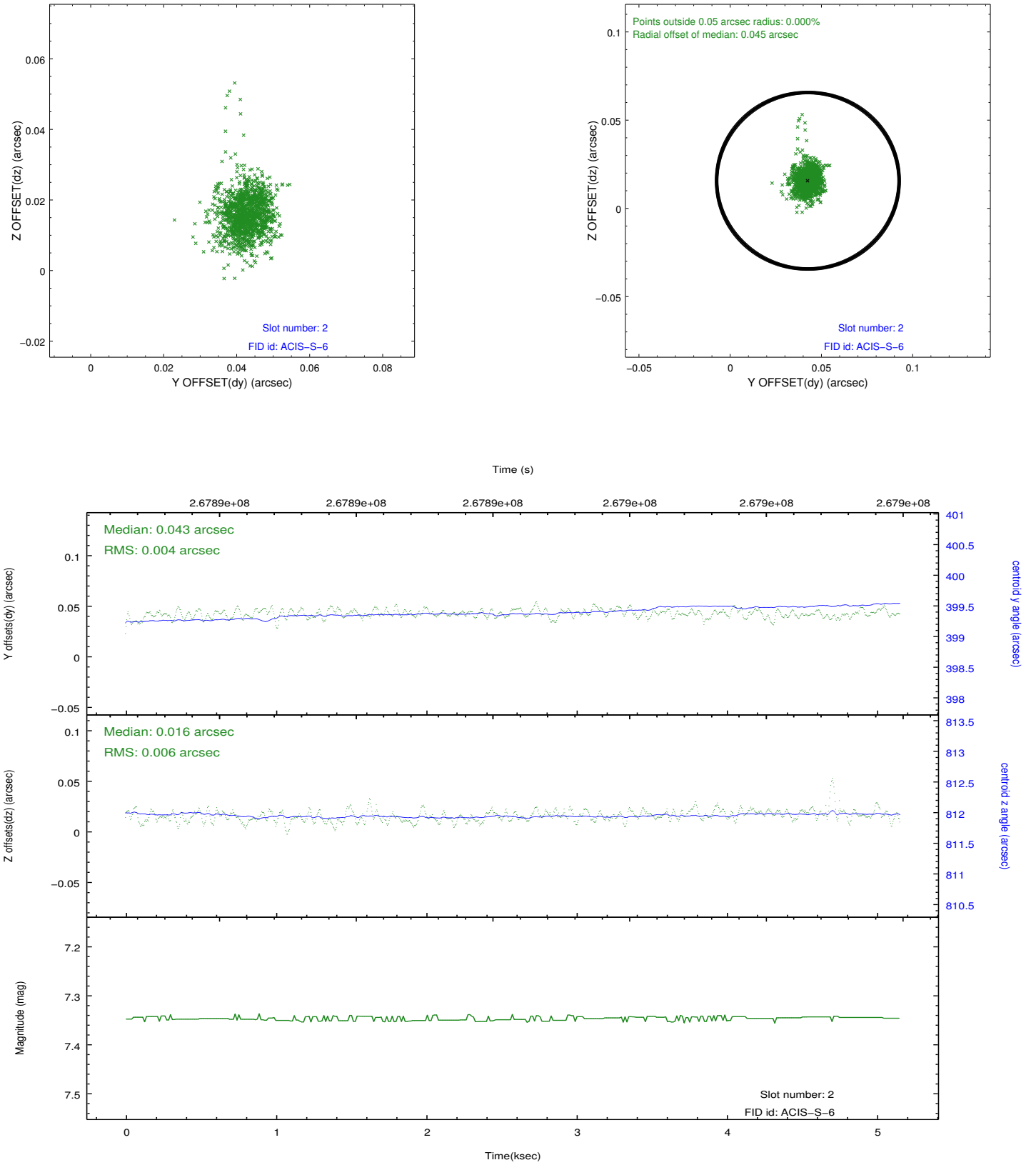
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15640007

A.2 Comments

First observation in this series was taken in May, 2006, not in Nov., 2005 as requested. This observation meets the requested interval between the monitoring series of observations. Roll of 243 degrees is closer to alignment with ACIS chip readout streak than requested in observer comments. However, a roll constraint was not formally requested.