

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6643 - L2 Version 2
Chandra X-Ray Center

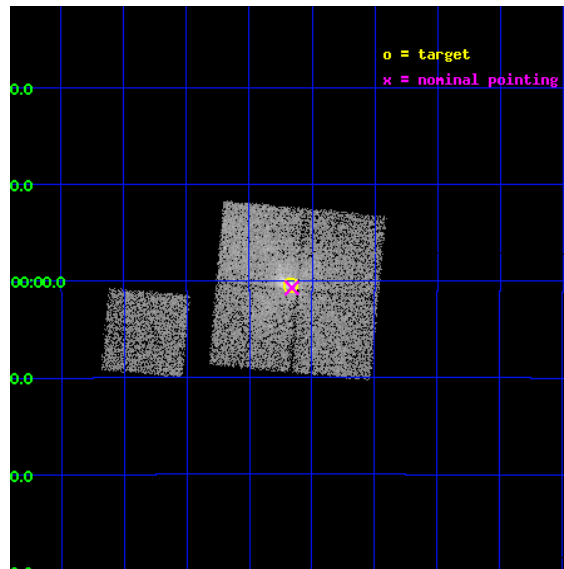
L2 Processing Date : Apr 6 2012

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1 Front

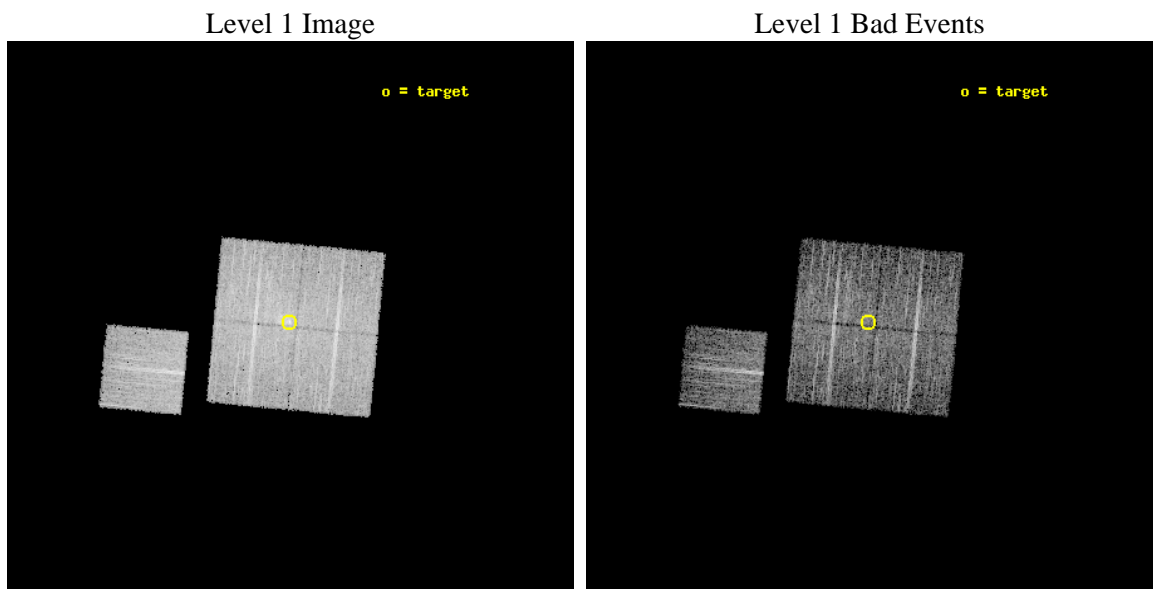
seq_num	400548	Sequence number
obs_id	6643	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41510213065	Nominal RA [deg]
dec_nom	-29.012212568911	Nominal Dec [deg]
roll_nom	275.38591771538	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5045.8664213419	Sum of GTIs [s]
livetime	4979.9384618342	Livetime [s]
ontime0	5045.743301332	Sum of GTIs [s]
ontime1	5045.7843413353	Sum of GTIs [s]
ontime2	5045.8253813386	Sum of GTIs [s]
ontime3	5045.8664213419	Sum of GTIs [s]
ontime6	5045.7022613287	Sum of GTIs [s]
l2events	43346	Number of level 2 events



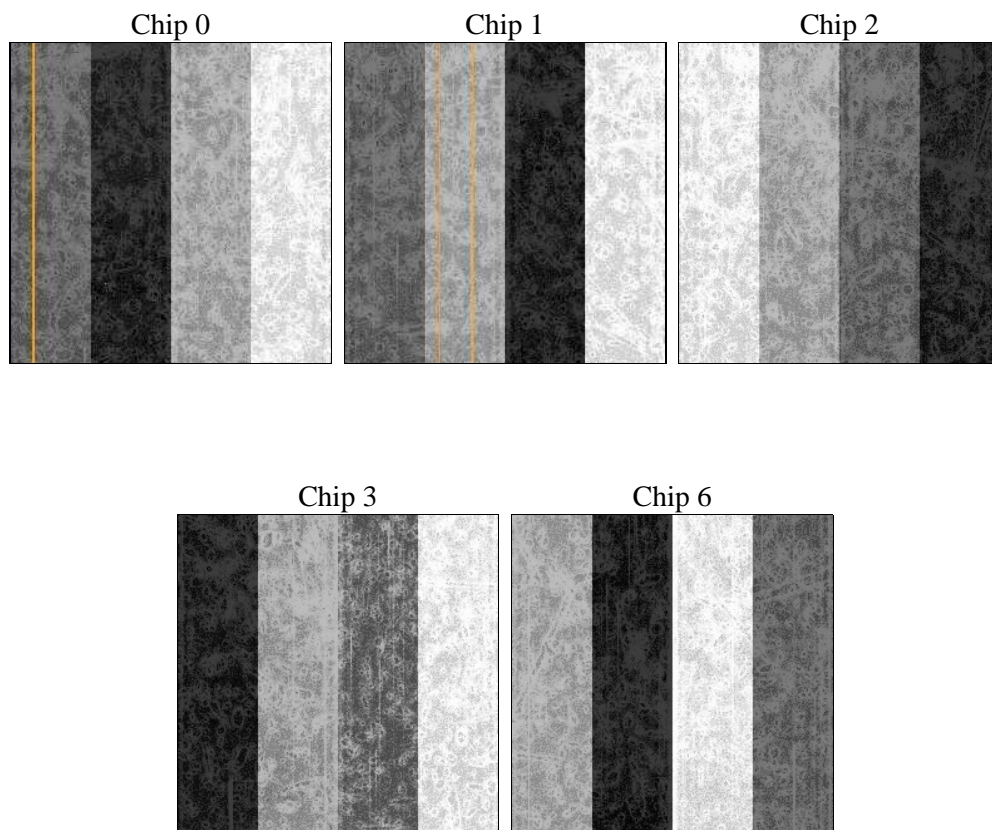
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5045.8664213419	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5045.743301332	Sum of GTIs [s]
date	2012-04-06T03:01:09	Date and time of file creation	ontime1	5045.7843413353	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5045.8253813386	Sum of GTIs [s]
			ontime3	5045.8664213419	Sum of GTIs [s]
			ontime6	5045.7022613287	Sum of GTIs [s]
			l1events	248061	Number of level 1 events

2.1.4 Events

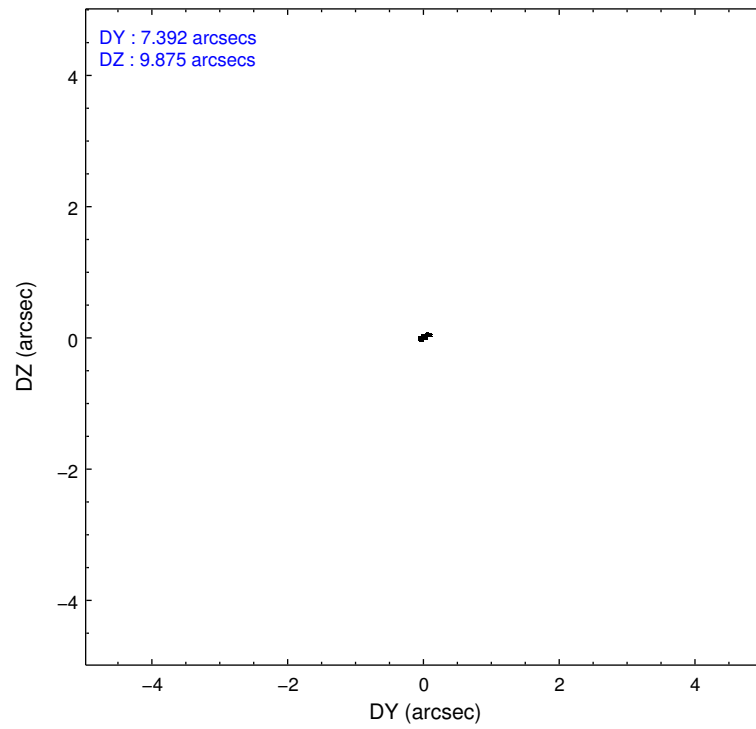
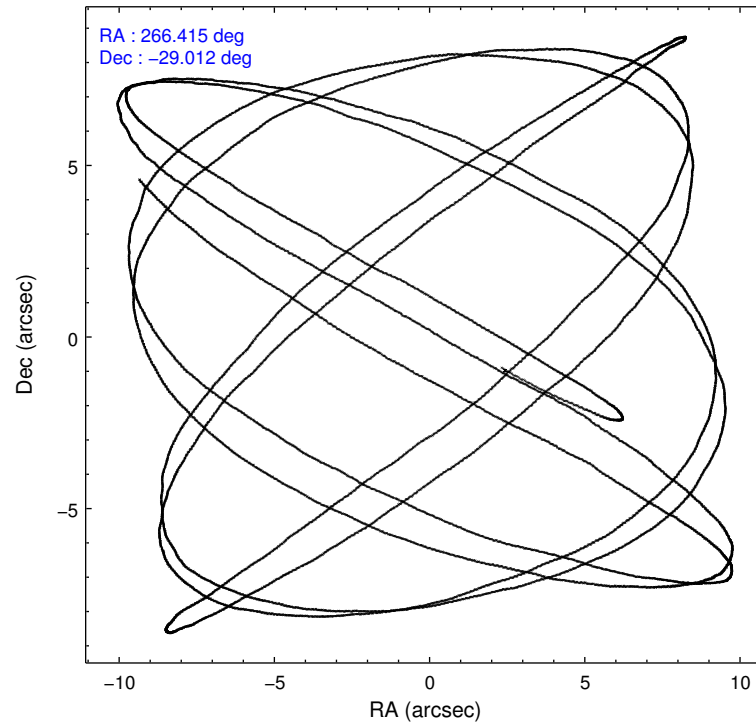
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	46865	46894	50281	56372	47649
rejected events	38284	37998	40822	41643	41315
rejected %	81%	81%	81%	73%	86%

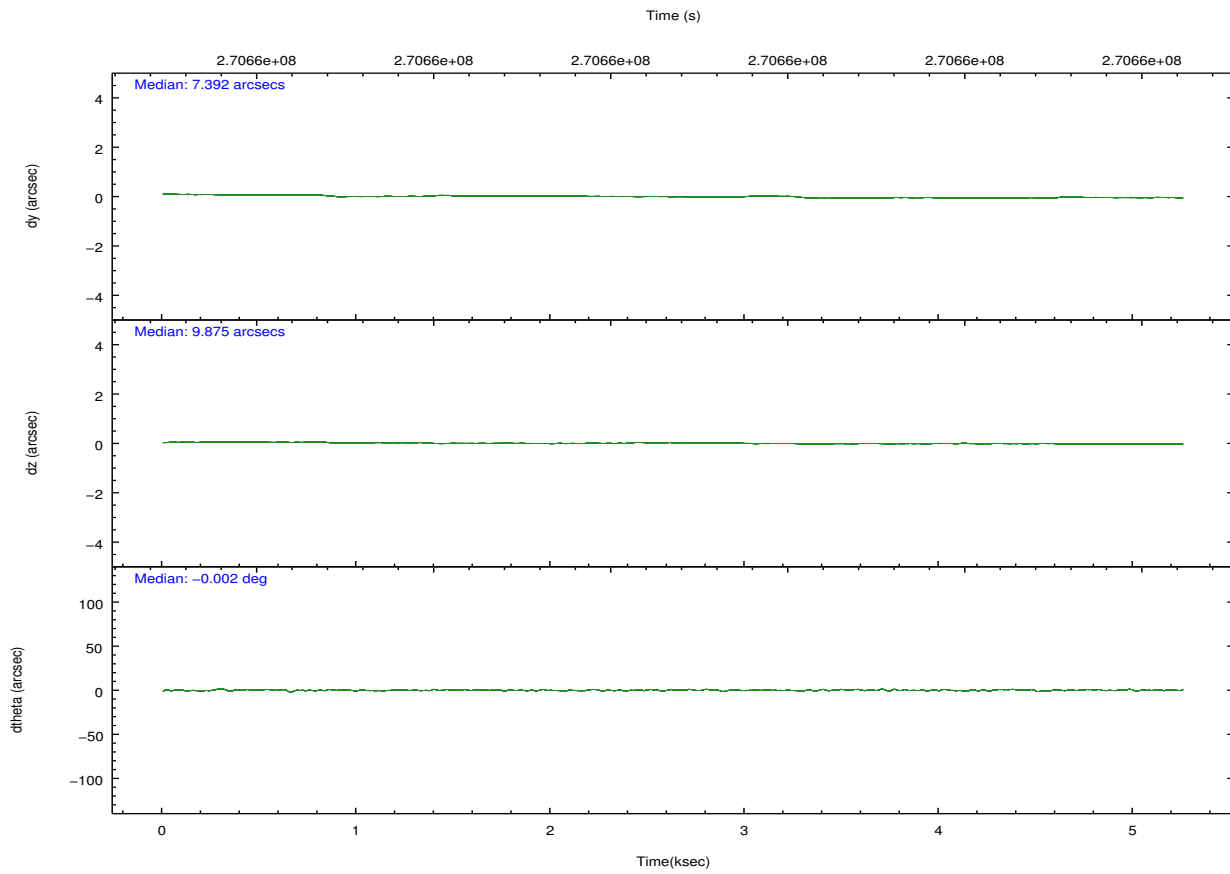
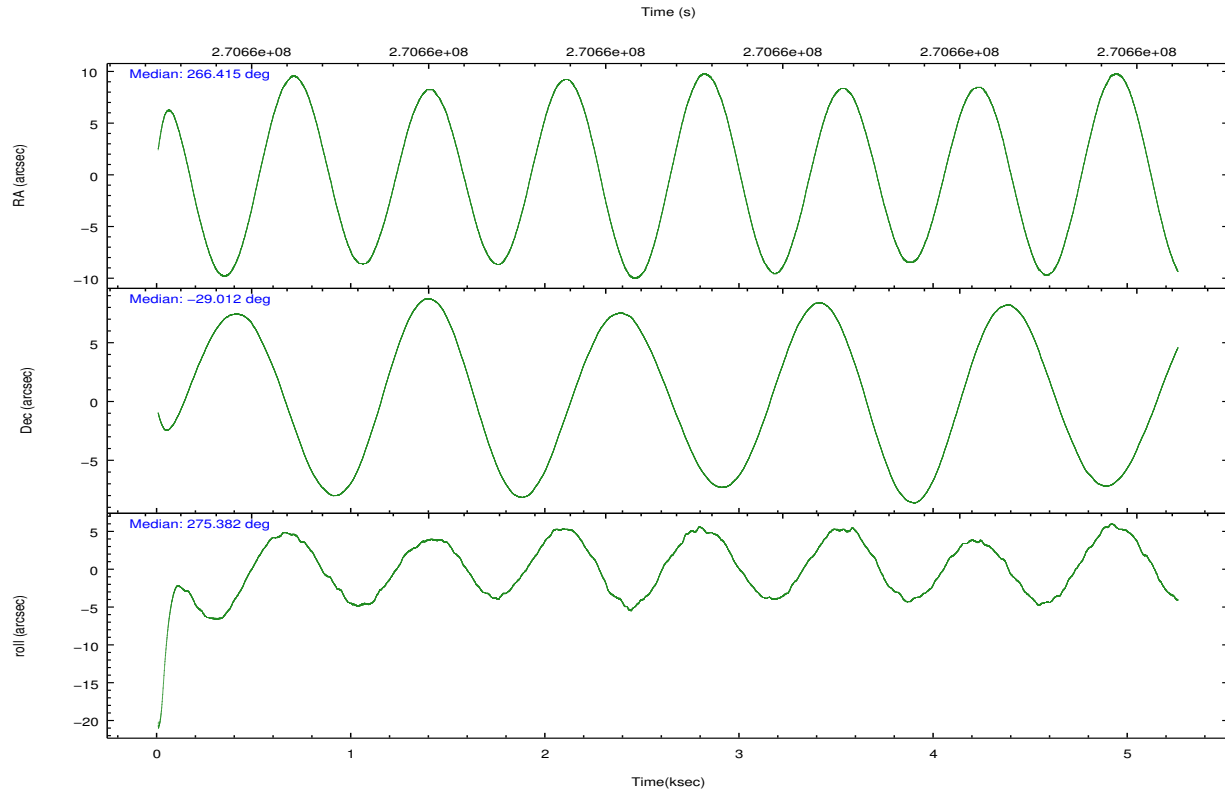
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4483	4387	5264	8843	2850
	9%	9%	10%	15%	5%
grade 1 events	45	41	61	83	25
	0%	0%	0%	0%	0%
grade 2 events	1604	1746	1686	2388	1264
	3%	3%	3%	4%	2%
grade 3 events	618	683	683	919	532
	1%	1%	1%	1%	1%
grade 4 events	648	673	650	965	574
	1%	1%	1%	1%	1%
grade 5 events	1810	2036	1762	2205	2125
	3%	4%	3%	3%	4%
grade 6 events	1236	1417	1191	1632	1127
	2%	3%	2%	2%	2%
grade 7 events	36421	35911	38984	39337	39152
	77%	76%	77%	69%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.396834	266.4151021306545	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.989933	-29.01221256891056	Alternating exposures requested	N	N
[deg] Pointing Roll	275.168413	275.3859177153822	[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)	270657990.184000	270657026.46388			
Observation start date	2006-07-30T14:45:25	2006-07-30T14:30:26			
[s] Observation end time (MET)	270662990.184000	270663830.9267			
Observation end date	2006-07-30T16:08:45	2006-07-30T16:23:50			
Read mode	TIMED	TIMED			

2.3 Aspect



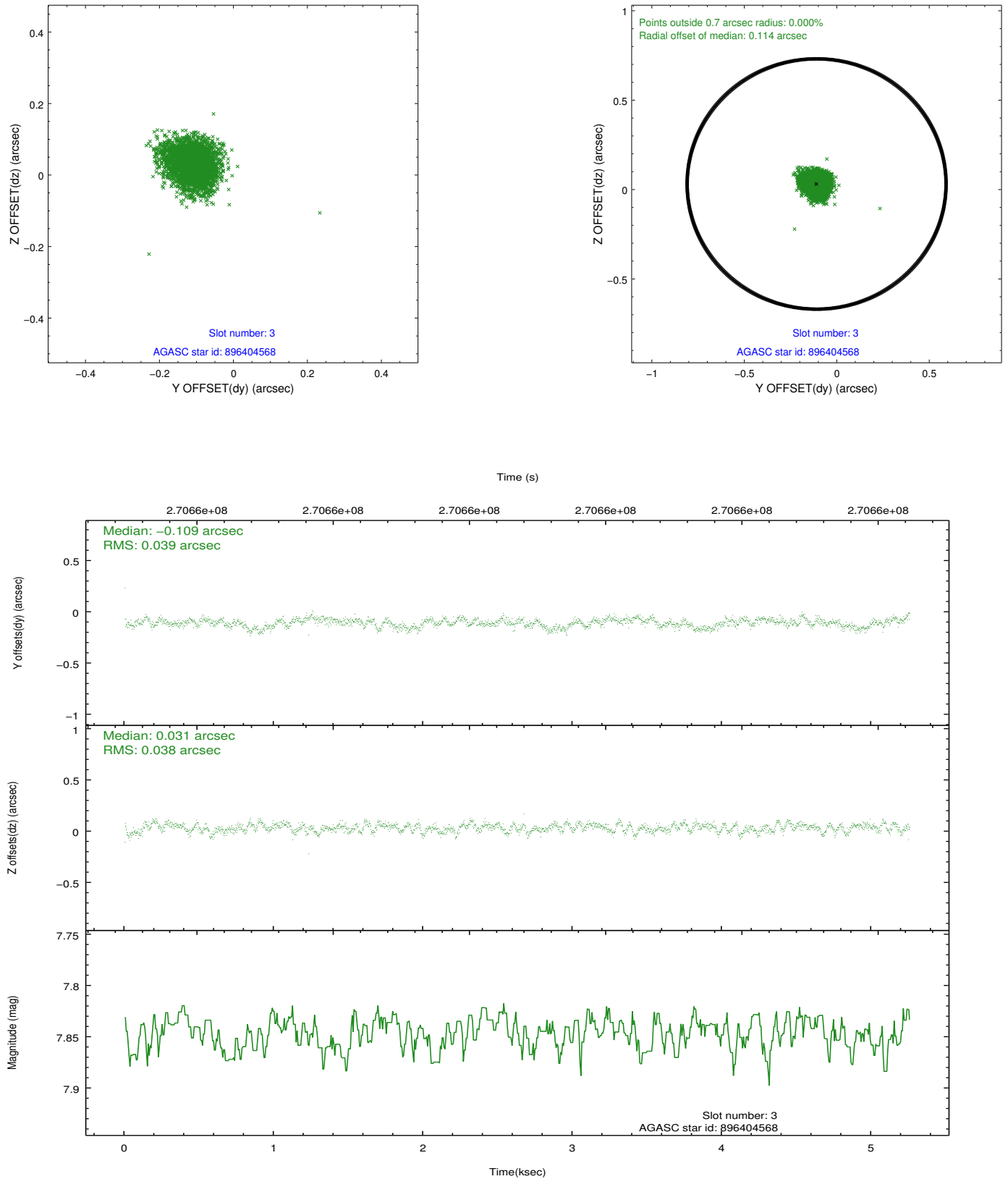


Slot Statistics

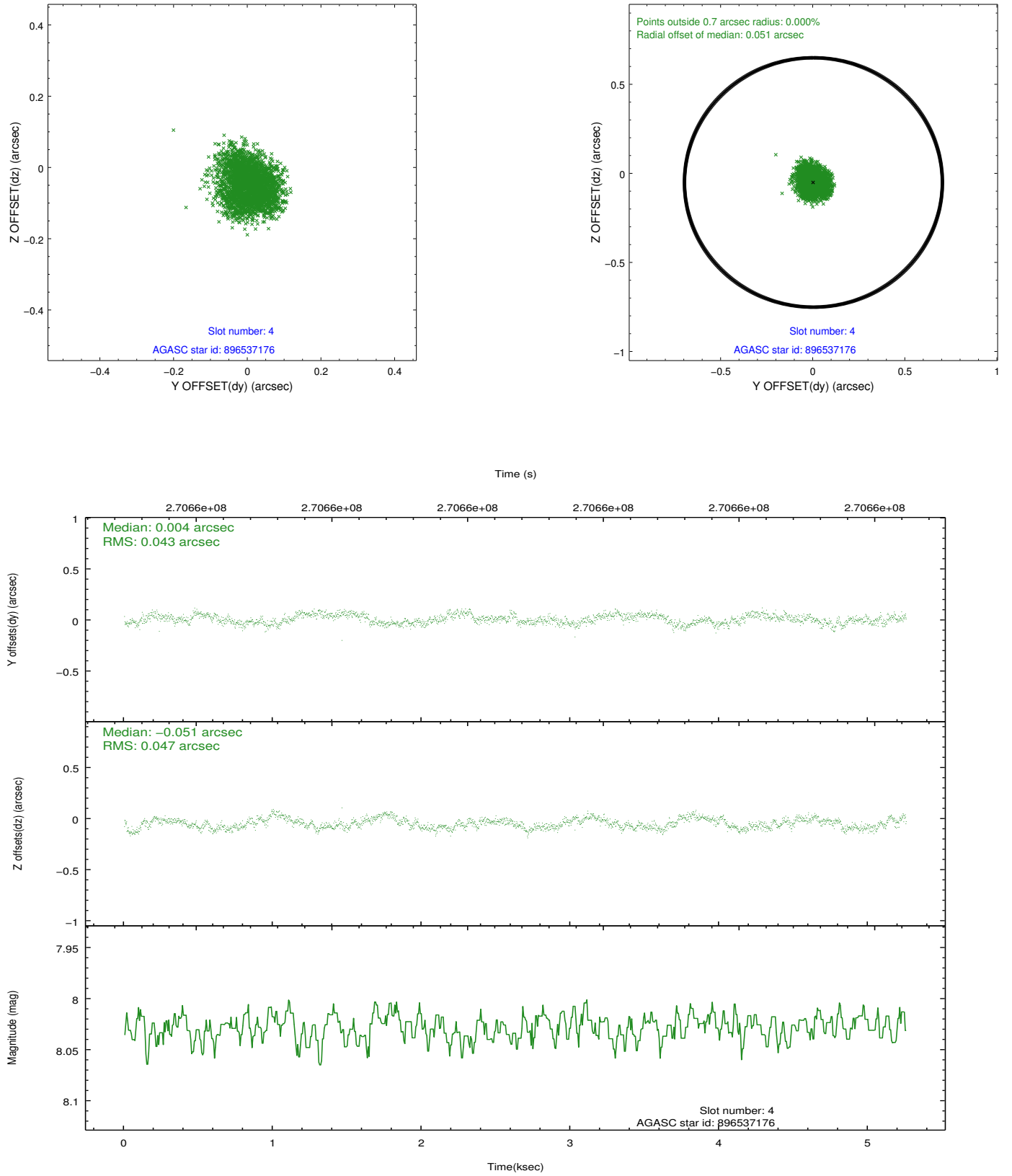
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1282	-0.020	0.023	0.008	0.013	0.000000	0.000000	932.26	-833.33
1	FID	ACIS-I-4	7.19	1282	0.162	0.017	0.008	0.012	0.000000	0.000000	2153.14	1065.89
2	FID	ACIS-I-5	7.23	1282	-0.240	0.030	0.007	0.014	0.000000	0.000000	-1814.47	1065.09
3	GUIDE	896404568	7.85	2564	-0.109	0.031	0.057	0.092	265.687293	-28.431080	-2199.17	-2056.70
4	GUIDE	896537176	8.03	2564	0.004	-0.051	0.069	0.104	266.498272	-28.678259	-1089.11	419.25
5	GUIDE	896540808	7.47	2564	0.056	0.065	0.050	0.080	265.985401	-29.308604	1028.43	-1389.54
6	GUIDE	896541360	7.71	2564	0.100	-0.002	0.059	0.093	266.684478	-29.453744	1745.95	747.14
7	GUIDE	896538840	8.90	2561	-0.054	-0.044	0.145	0.215	266.920426	-28.466925	-1720.96	1819.87

2.4 Star Slots

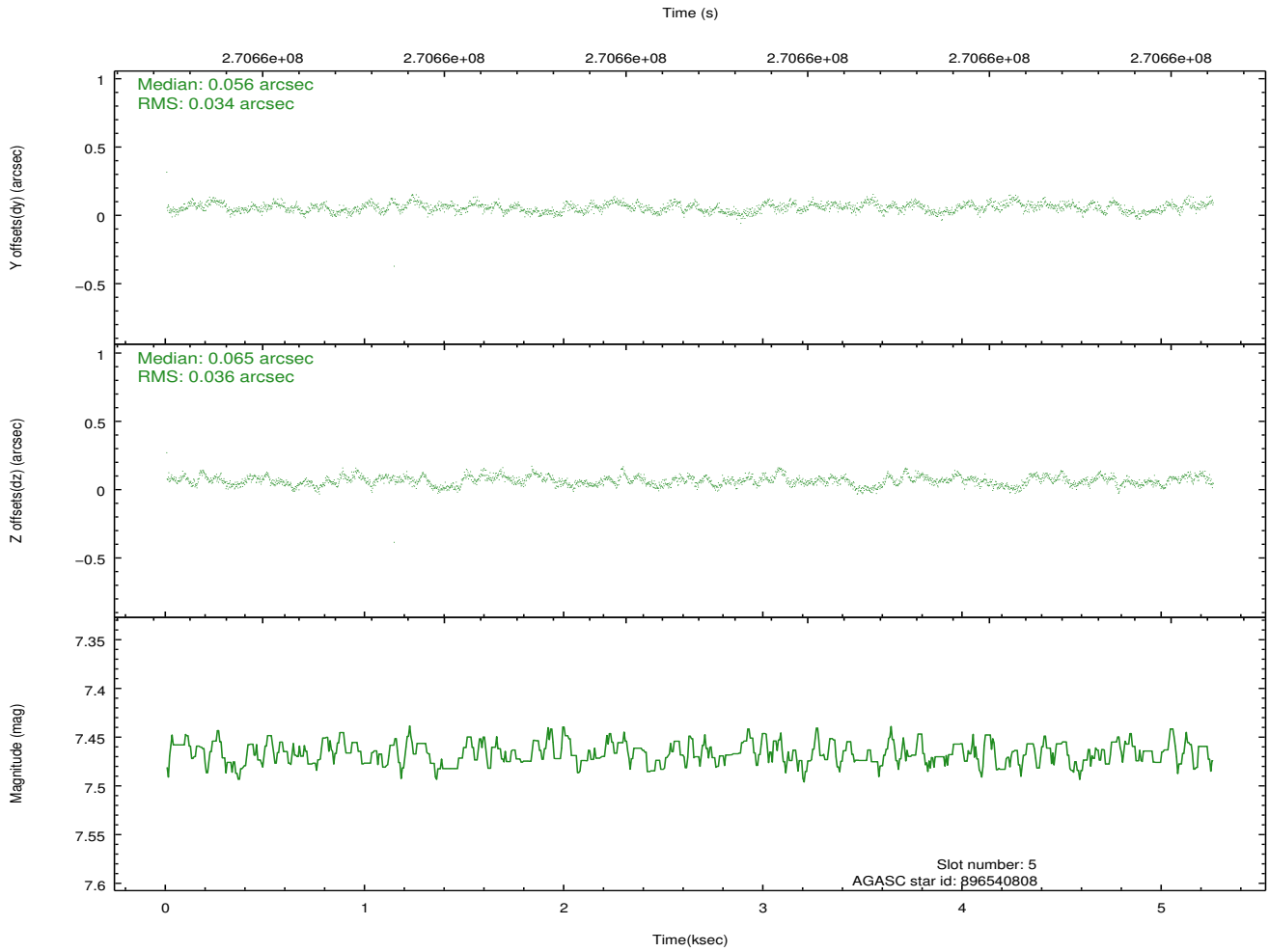
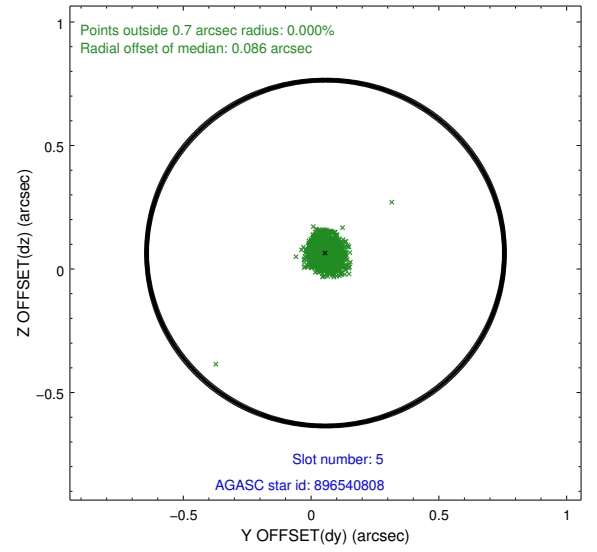
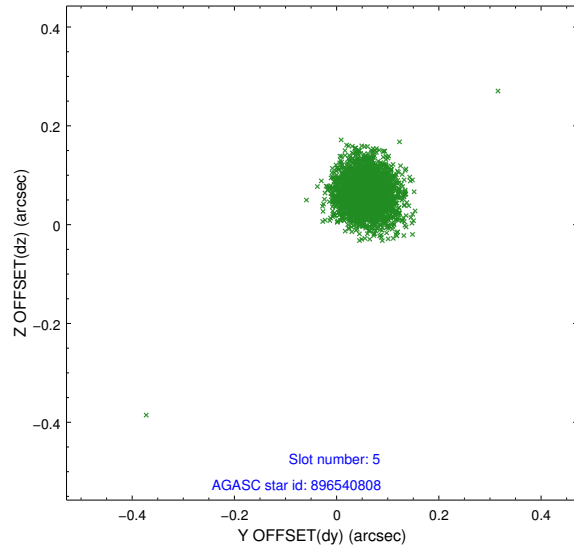
2.4.1 Slot 3



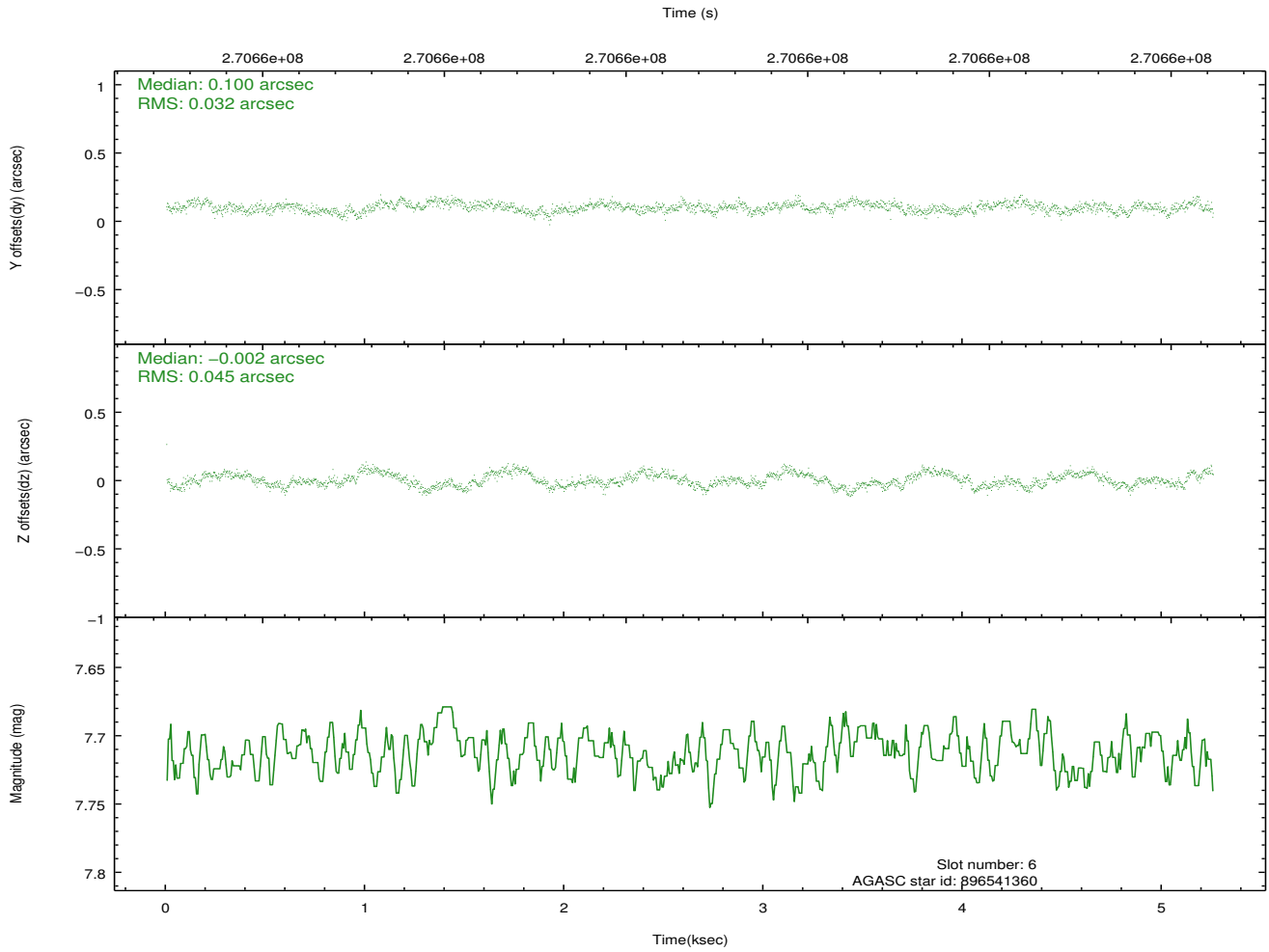
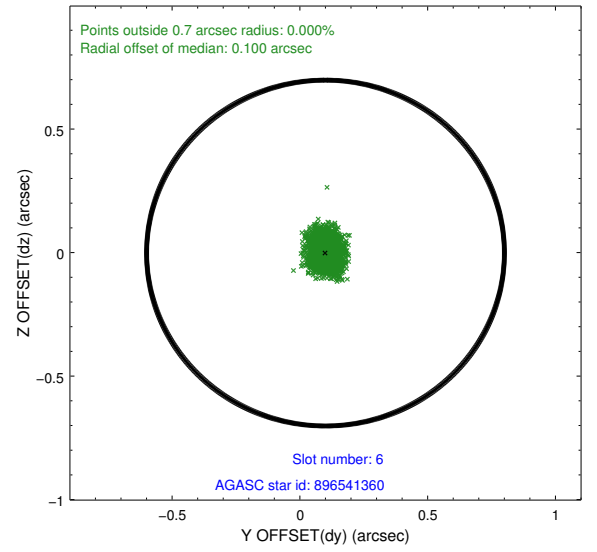
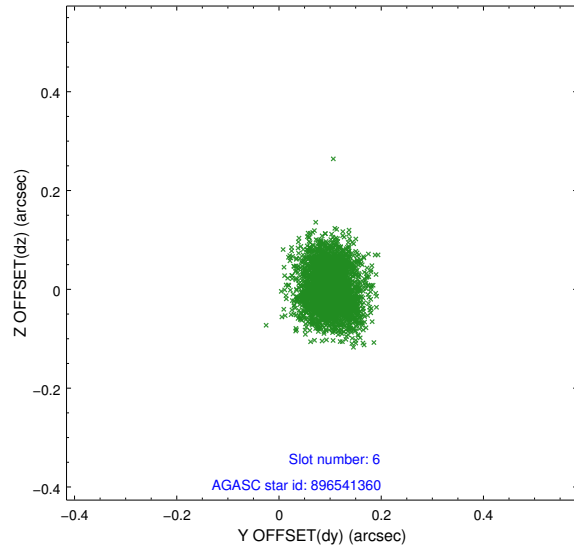
2.4.2 Slot 4



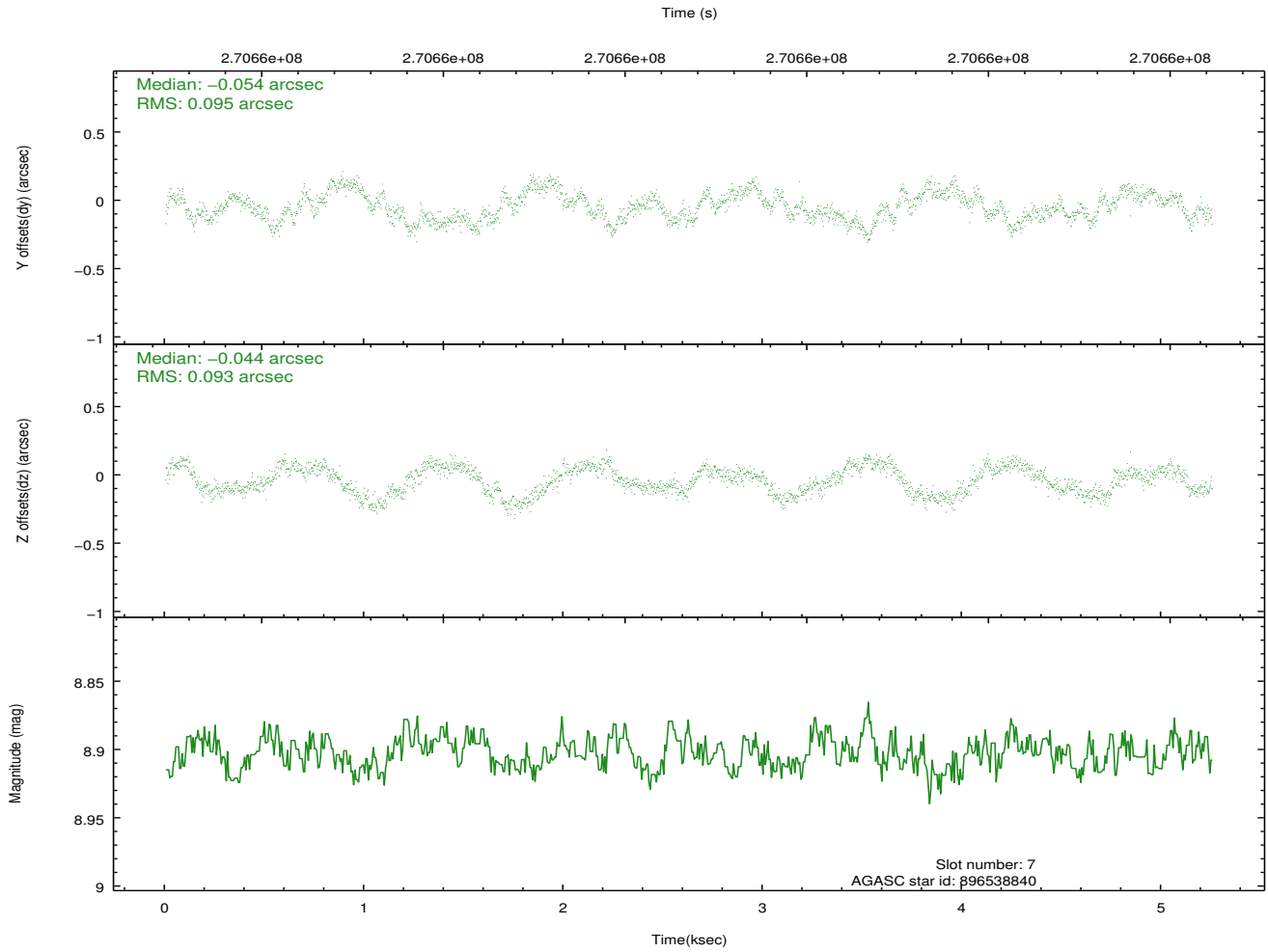
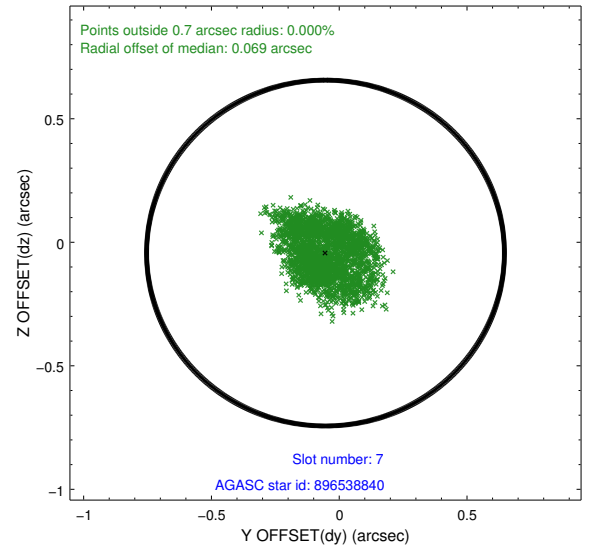
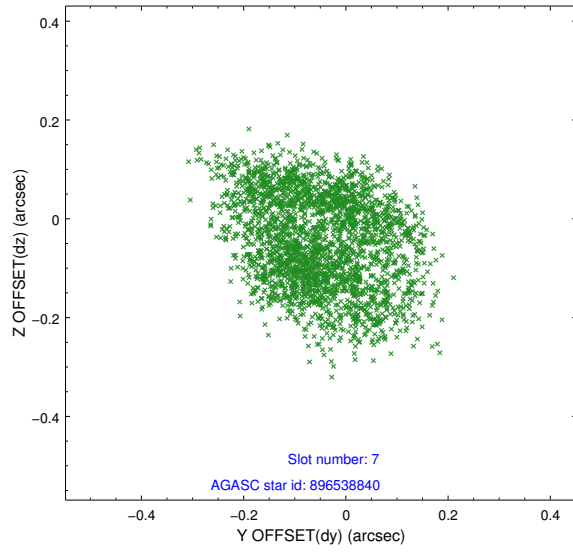
2.4.3 Slot 5



2.4.4 Slot 6

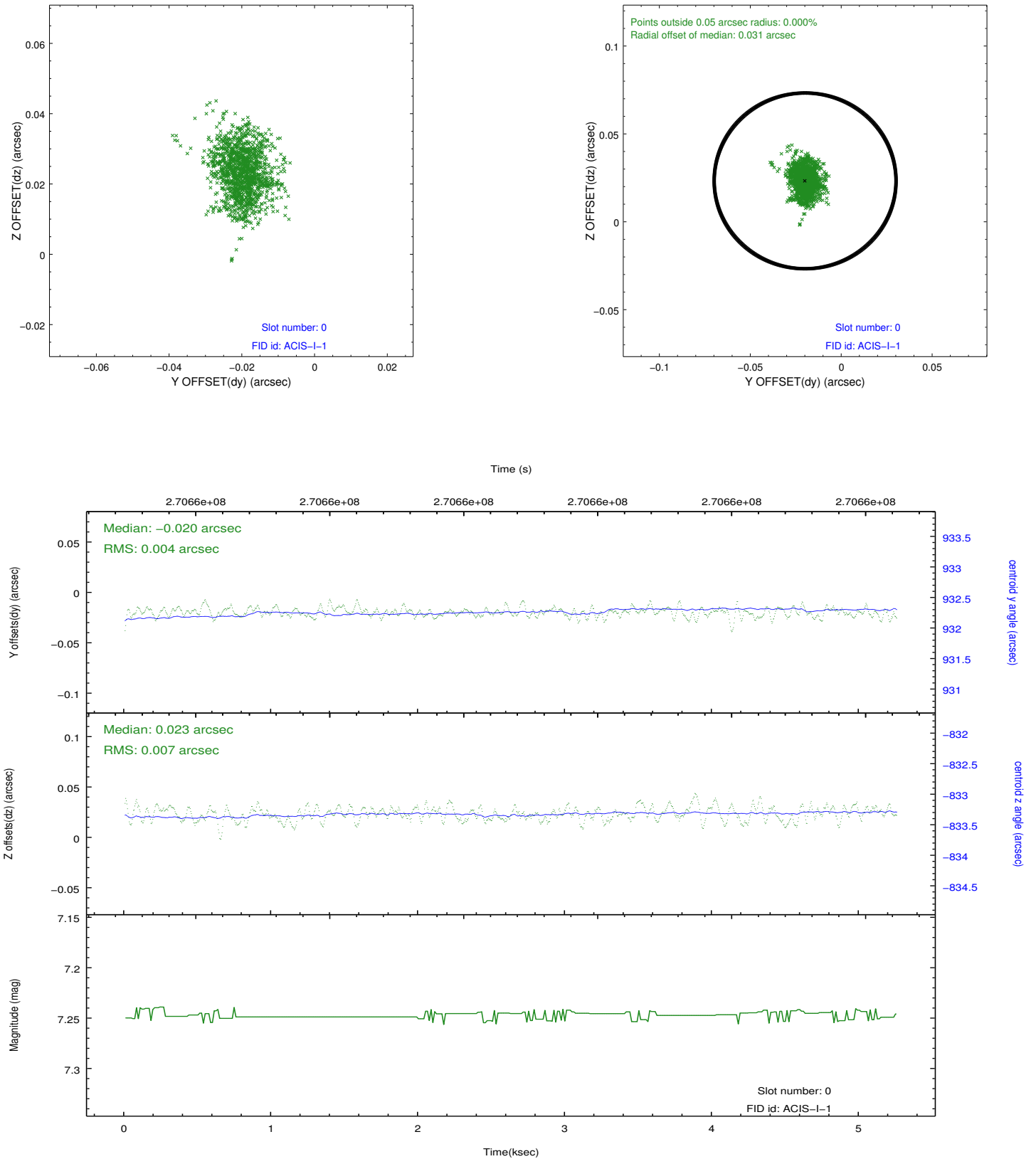


2.4.5 Slot 7

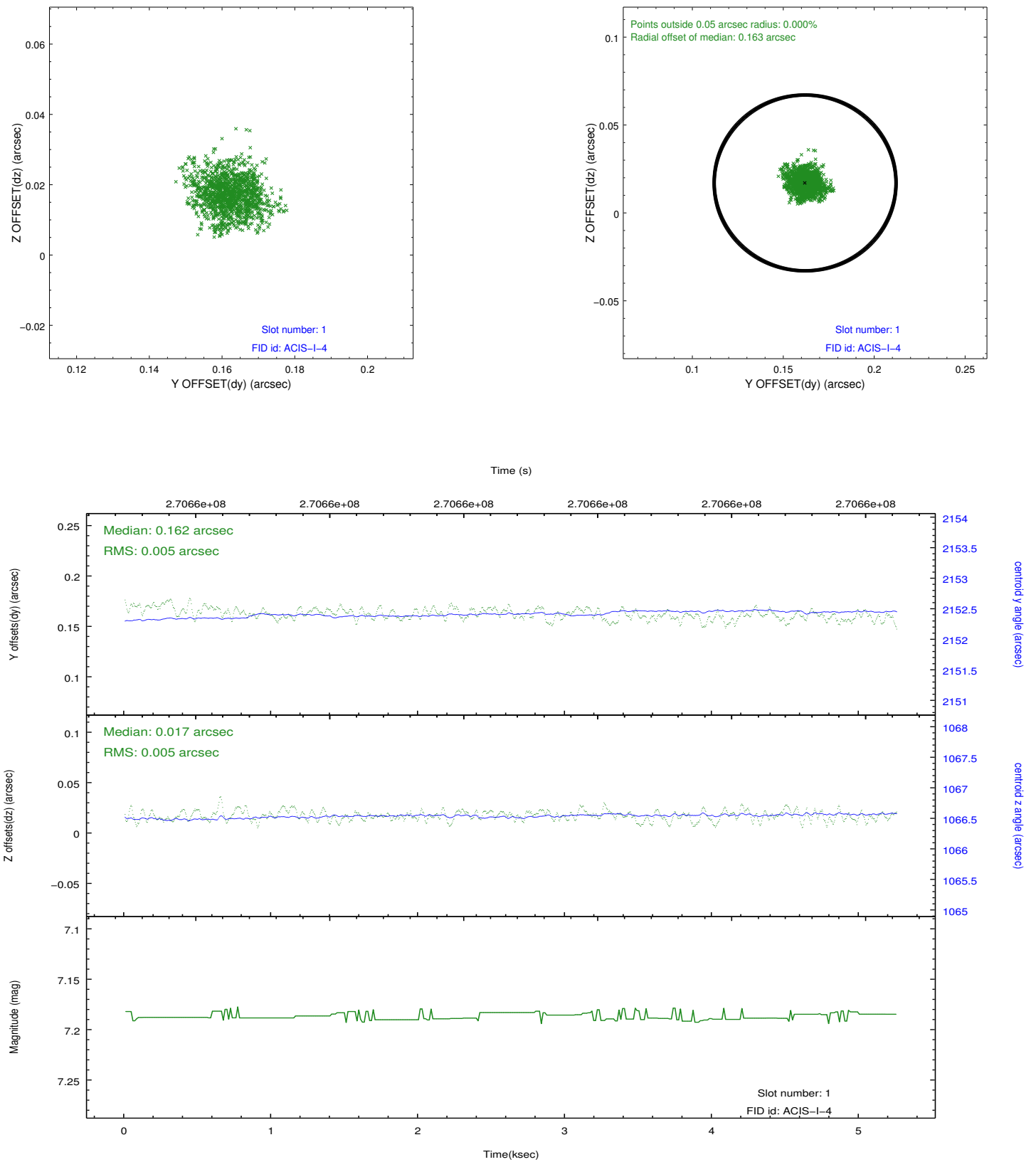


2.5 FID Slots

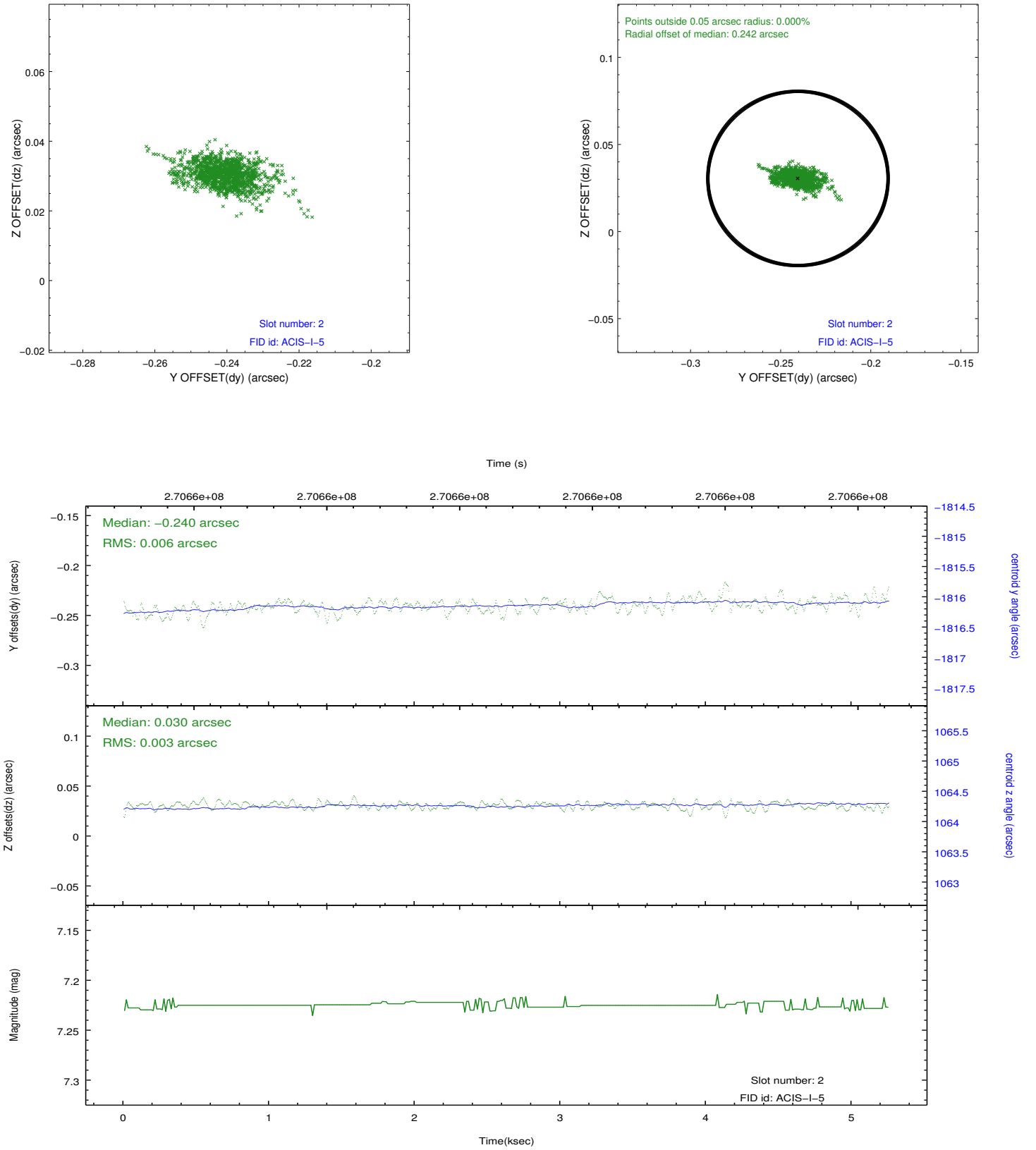
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04680003

A.2 Comments

Monitor constraint met.