

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7346 - L2 Version 2
Chandra X-Ray Center

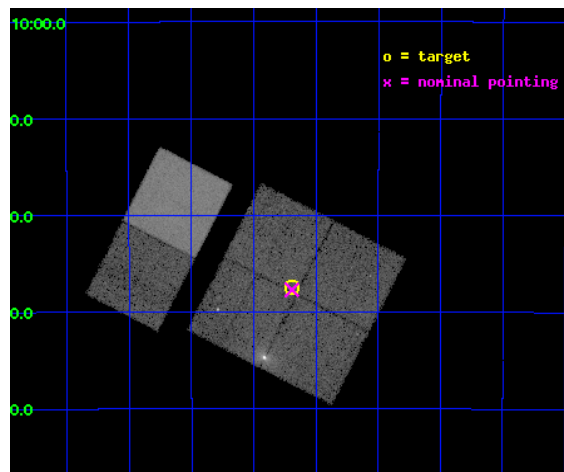
L2 Processing Date : Apr 4 2012

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1 Front

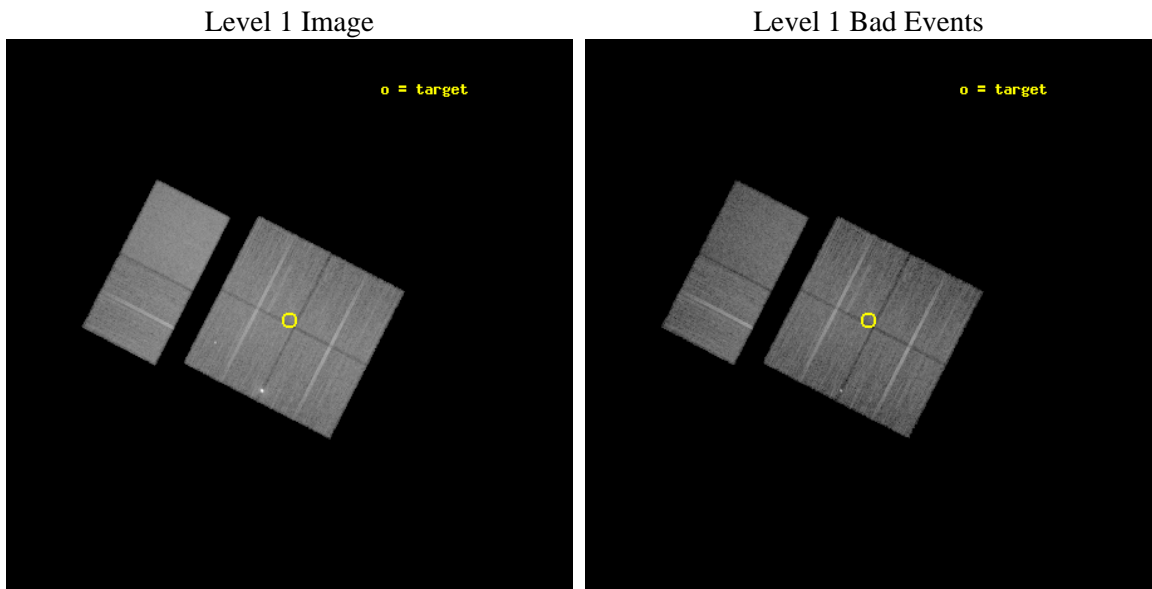
seq_num	900458	Sequence number
obs_id	7346	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.922917	Observer's specified target RA [deg]
dec_targ	-29.623806	Observer's specified target Dec [deg]
ra_nom	265.92333855805	Nominal RA [deg]
dec_nom	-29.628481537649	Nominal Dec [deg]
roll_nom	297.2089057017	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15436.799942493	Sum of GTIs [s]
livetime	15241.329886697	Livetime [s]
ontime0	15436.799942493	Sum of GTIs [s]
ontime1	15436.799942493	Sum of GTIs [s]
ontime2	15436.799942493	Sum of GTIs [s]
ontime3	15436.799942493	Sum of GTIs [s]
ontime6	15433.55897218	Sum of GTIs [s]
ontime7	15436.799942493	Sum of GTIs [s]
l2events	181217	Number of level 2 events



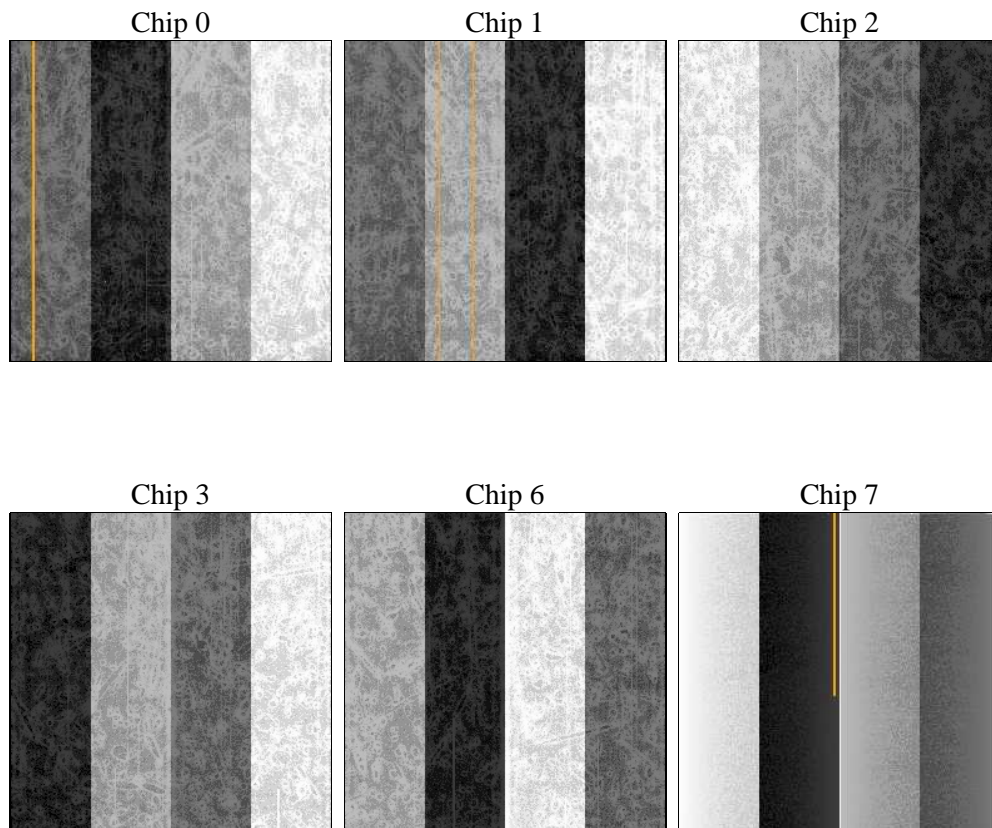
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15250.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	15436.799942493	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	15436.799942493	Sum of GTIs [s]
date	2012-04-04T19:37:45	Date and time of file creation	ontime1	15436.799942493	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15436.799942493	Sum of GTIs [s]
			ontime3	15436.799942493	Sum of GTIs [s]
			ontime6	15433.55897218	Sum of GTIs [s]
			ontime7	15436.799942493	Sum of GTIs [s]
			l1events	938573	Number of level 1 events

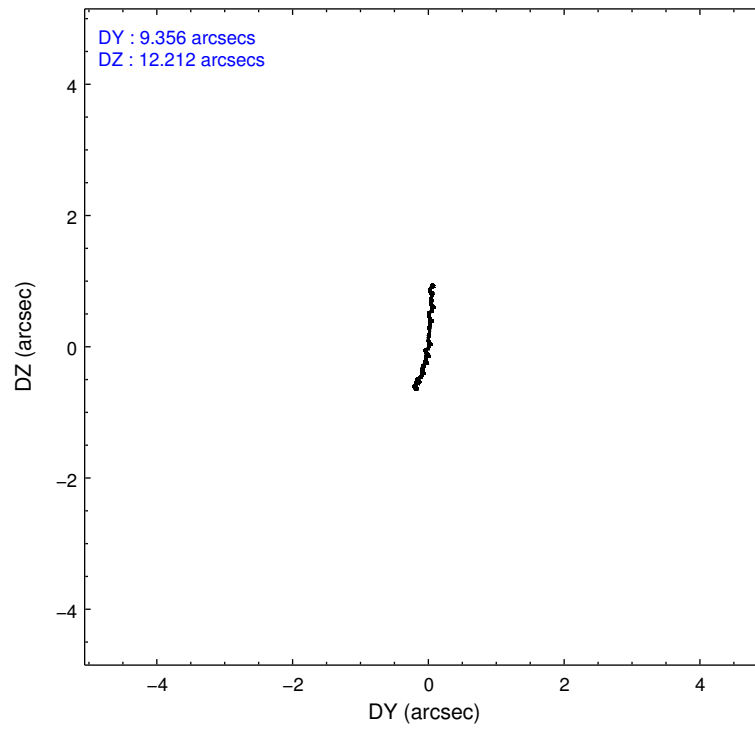
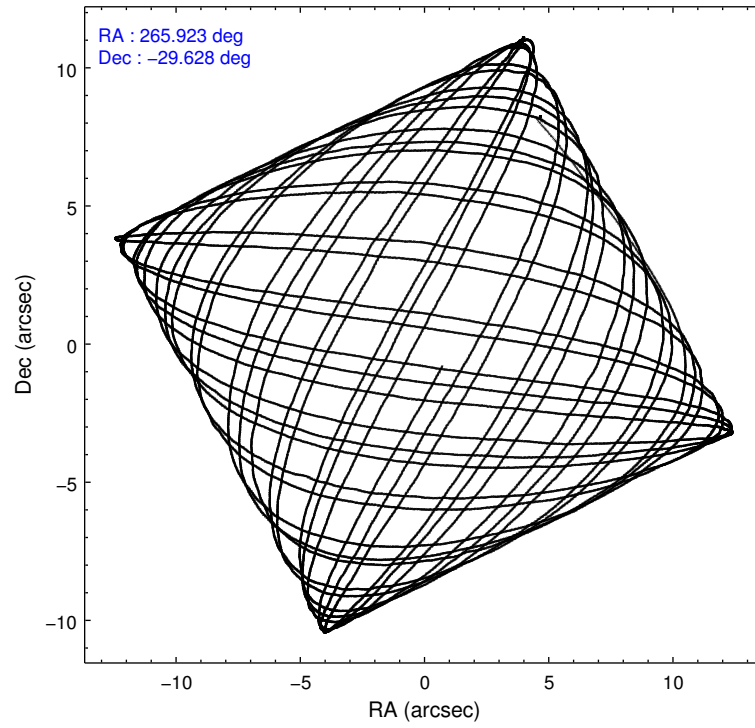
2.1.4 Events

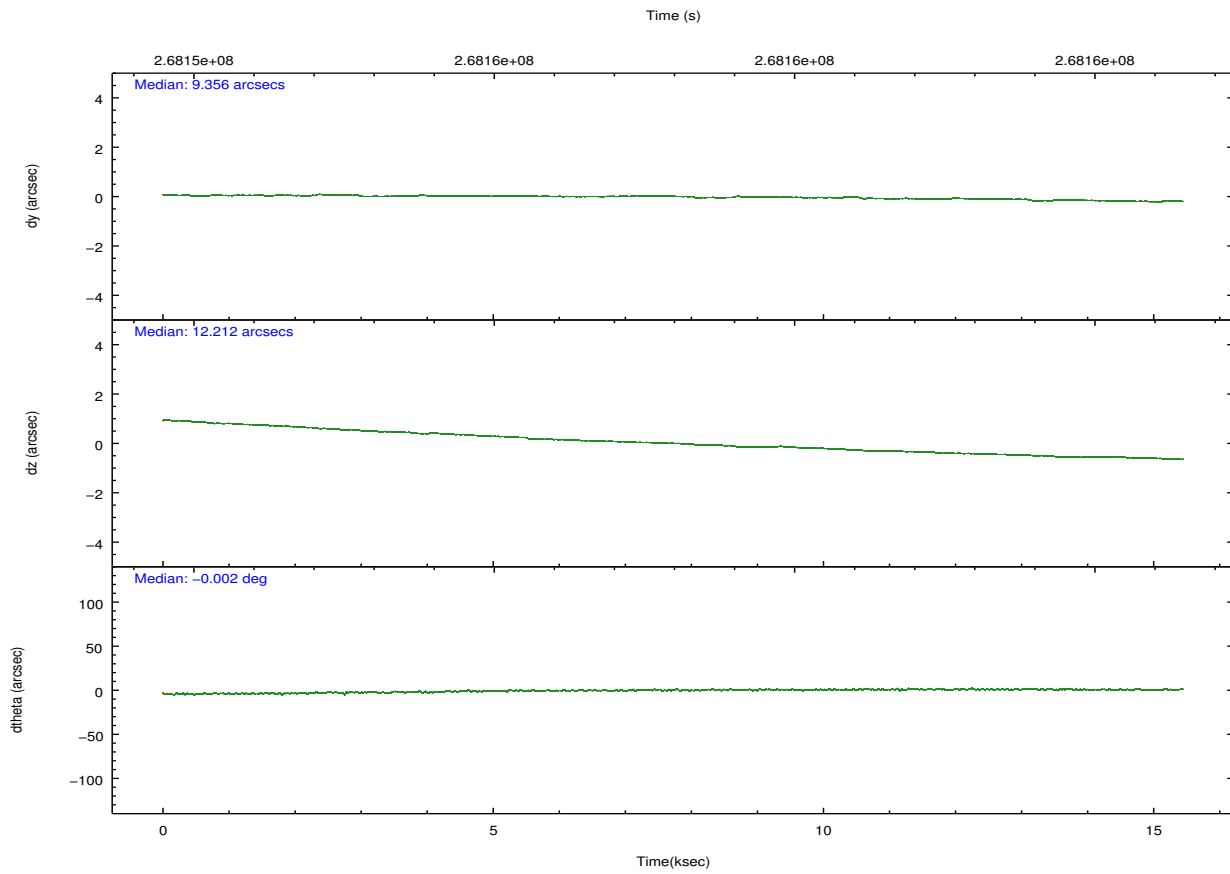
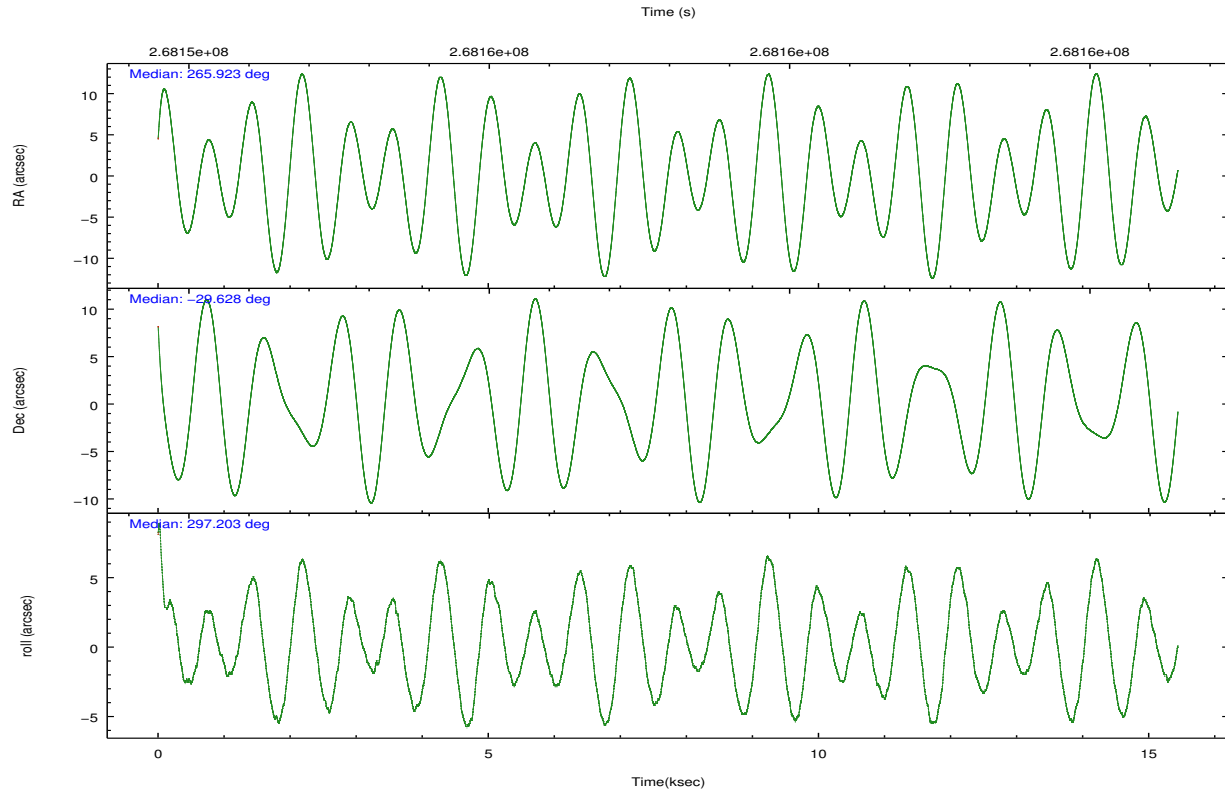
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	144780	135501	158826	147802	152063	199601	grade 0 events	14448	9284	14724	9971	7944	7710
rejected events	116920	114701	131605	127452	133283	116171		9%	6%	9%	6%	5%	3%
rejected %	80%	84%	82%	86%	87%	58%	grade 1 events	189	93	184	109	82	195
								0%	0%	0%	0%	0%	0%
							grade 2 events	5503	4495	5188	4015	3956	17413
								3%	3%	3%	2%	2%	8%
							grade 3 events	2247	1917	2146	1855	1756	7290
								1%	1%	1%	1%	1%	3%
							grade 4 events	2156	1817	2204	1739	1749	7568
								1%	1%	1%	1%	1%	3%
							grade 5 events	5754	6150	5577	6712	6874	18539
								3%	4%	3%	4%	4%	9%
							grade 6 events	4042	3770	3495	3224	3804	45433
								2%	2%	2%	2%	2%	22%
							grade 7 events	110441	107975	125308	120177	125898	95453
								76%	79%	78%	81%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	265.896761	265.9233385580504	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.613687	-29.628481537649	Alternating exposures requested	N	N
[deg] Pointing Roll	296.987078	297.2089057017021	[s] Primary exposure time	0.000000	3.2
[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)	268150448.184000	268149188.0589			
Observation start date	2006-07-01T14:13:03	2006-07-01T13:53:08			
[s] Observation end time (MET)	268165698.184000	268166290.1847			
Observation end date	2006-07-01T18:27:13	2006-07-01T18:38:10			
Read mode	TIMED	TIMED			

2.3 Aspect



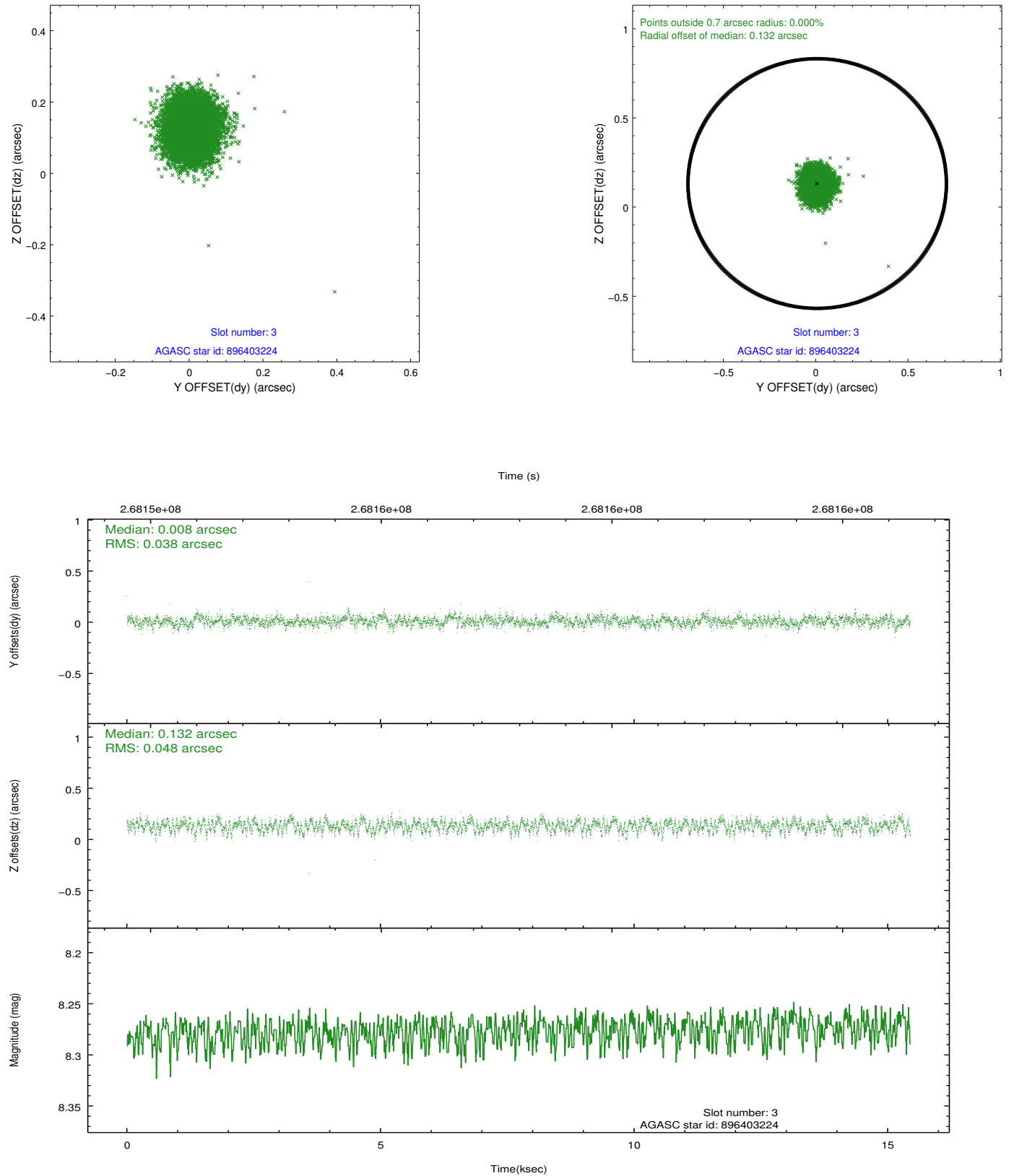


Slot Statistics

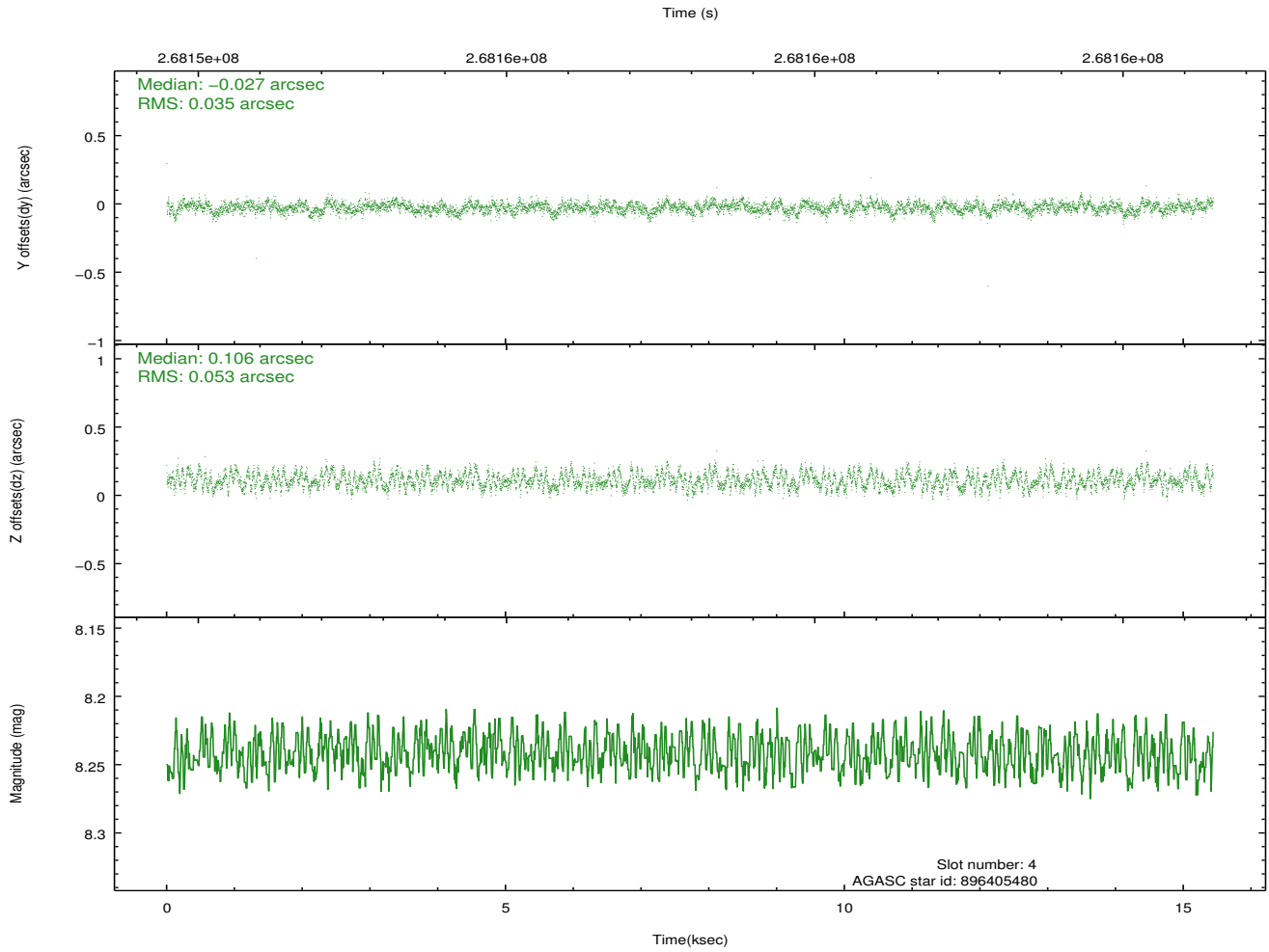
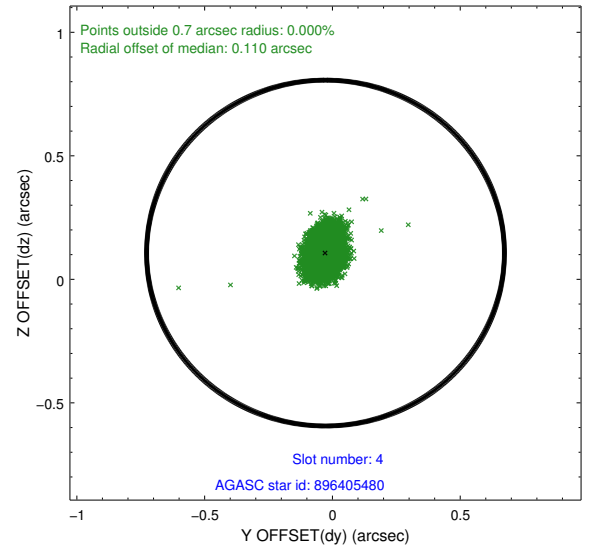
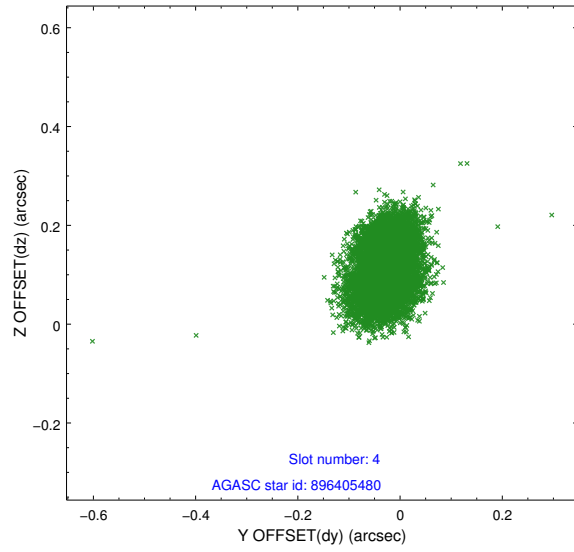
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	3767	0.103	-0.013	0.010	0.024	0.000000	0.000000	930.40	-835.79
1	FID	ACIS-I-2	7.14	3767	-0.060	-0.066	0.010	0.018	0.000000	0.000000	-763.69	-842.44
2	FID	ACIS-I-5	7.22	3767	-0.135	0.151	0.013	0.029	0.000000	0.000000	-1818.25	1061.69
3	GUIDE	896403224	8.28	7532	0.008	0.132	0.065	0.103	265.612825	-29.438915	-963.32	-508.12
4	GUIDE	896405480	8.24	7532	-0.027	0.106	0.067	0.107	265.220460	-29.599691	-999.92	-1866.33
5	GUIDE	896537776	7.53	7532	-0.080	-0.119	0.056	0.094	266.655684	-29.665673	1250.76	2026.91
6	GUIDE	896540808	7.47	7531	-0.079	-0.095	0.046	0.072	265.985401	-29.308604	-852.20	746.51
7	GUIDE	966924920	8.09	7525	0.181	-0.019	0.062	0.102	265.875401	-30.176961	1777.12	-979.11

2.4 Star Slots

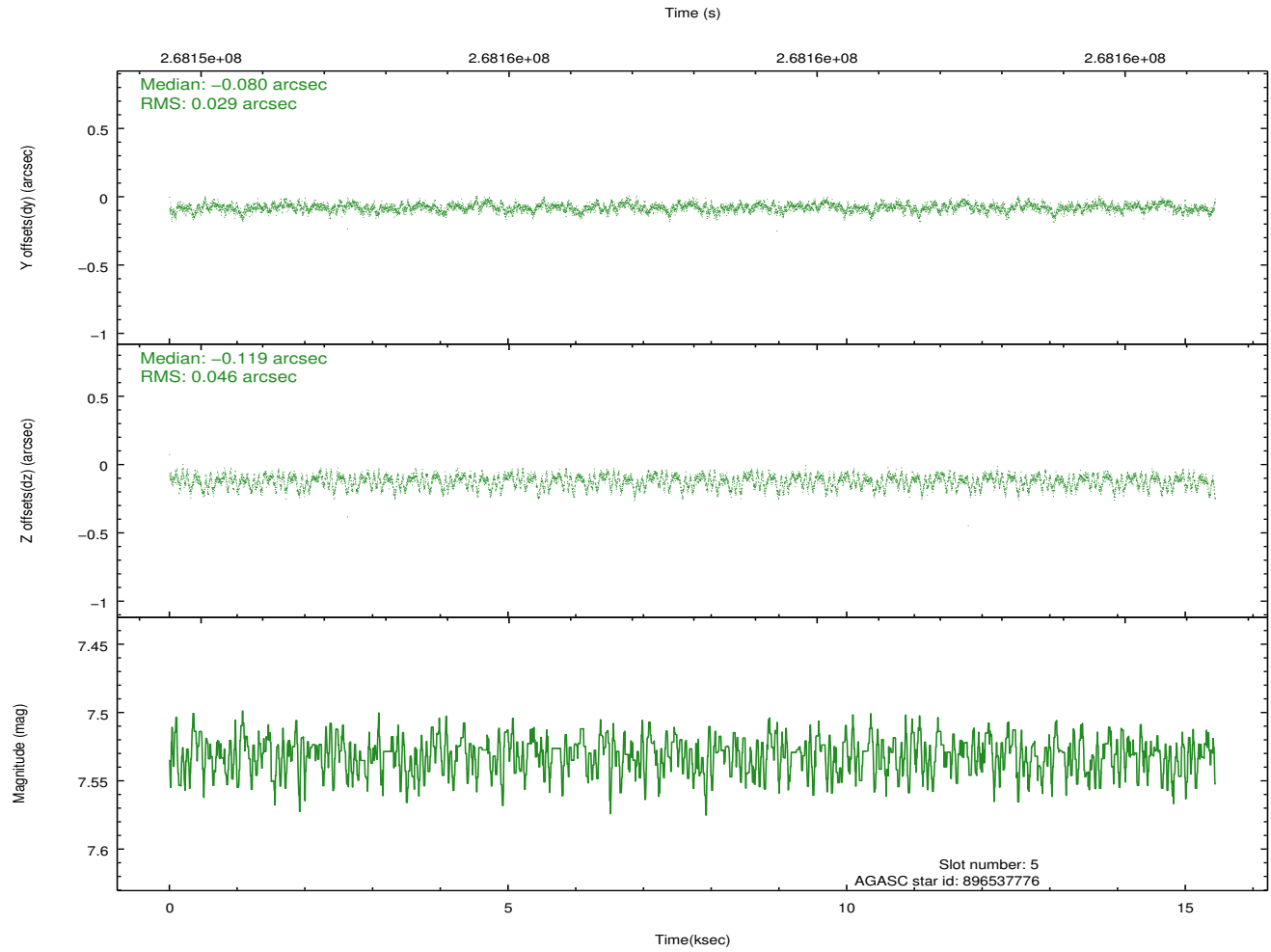
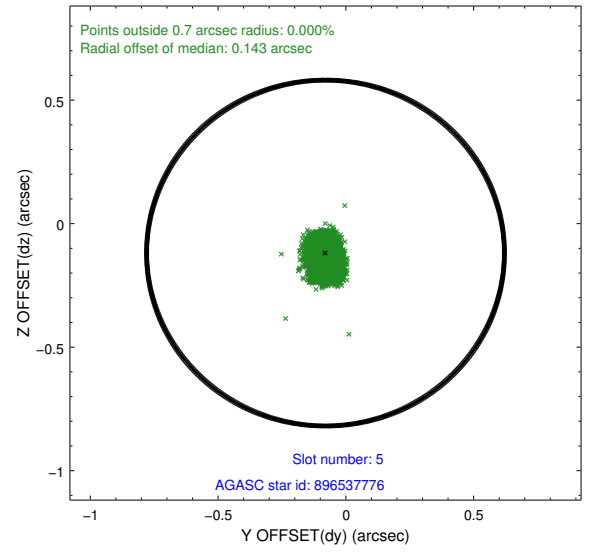
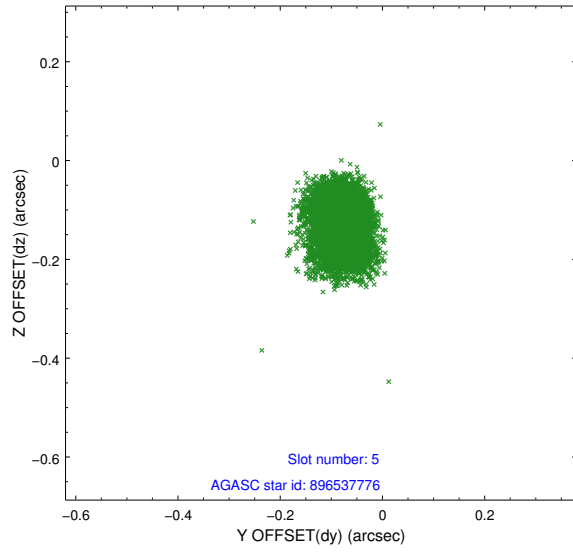
2.4.1 Slot 3



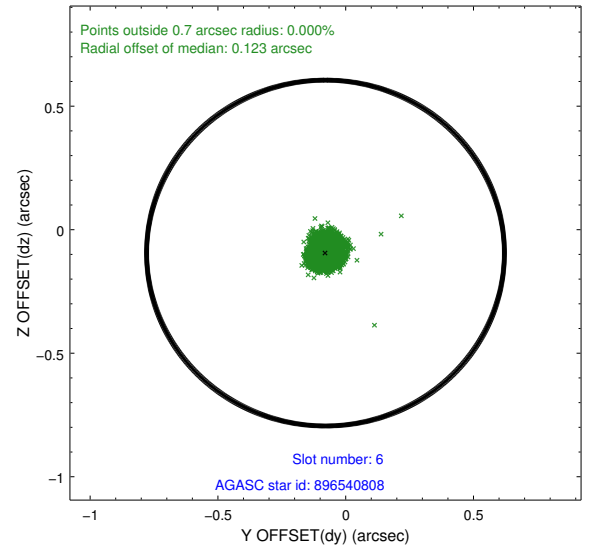
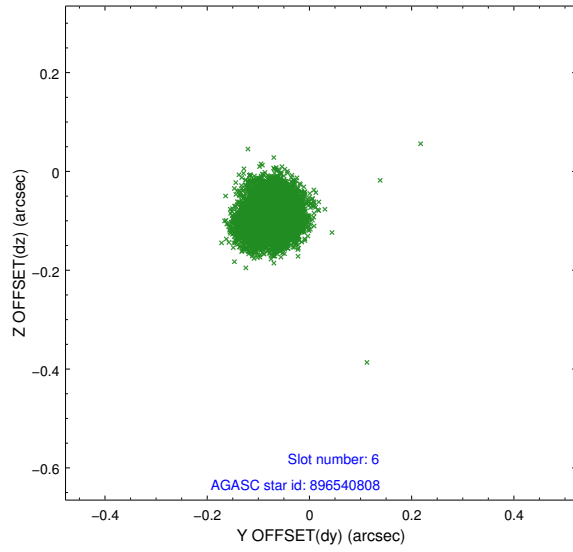
2.4.2 Slot 4



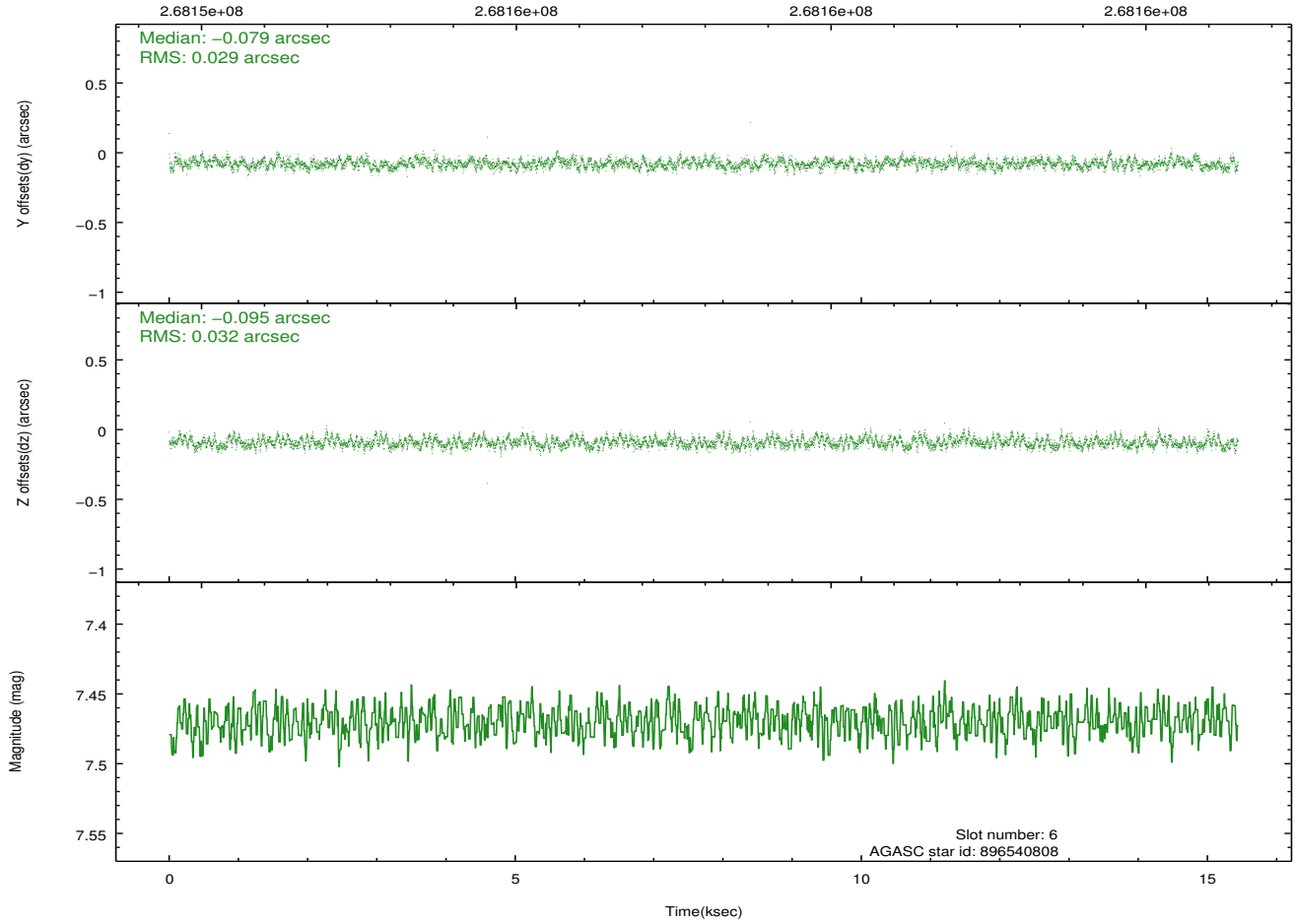
2.4.3 Slot 5



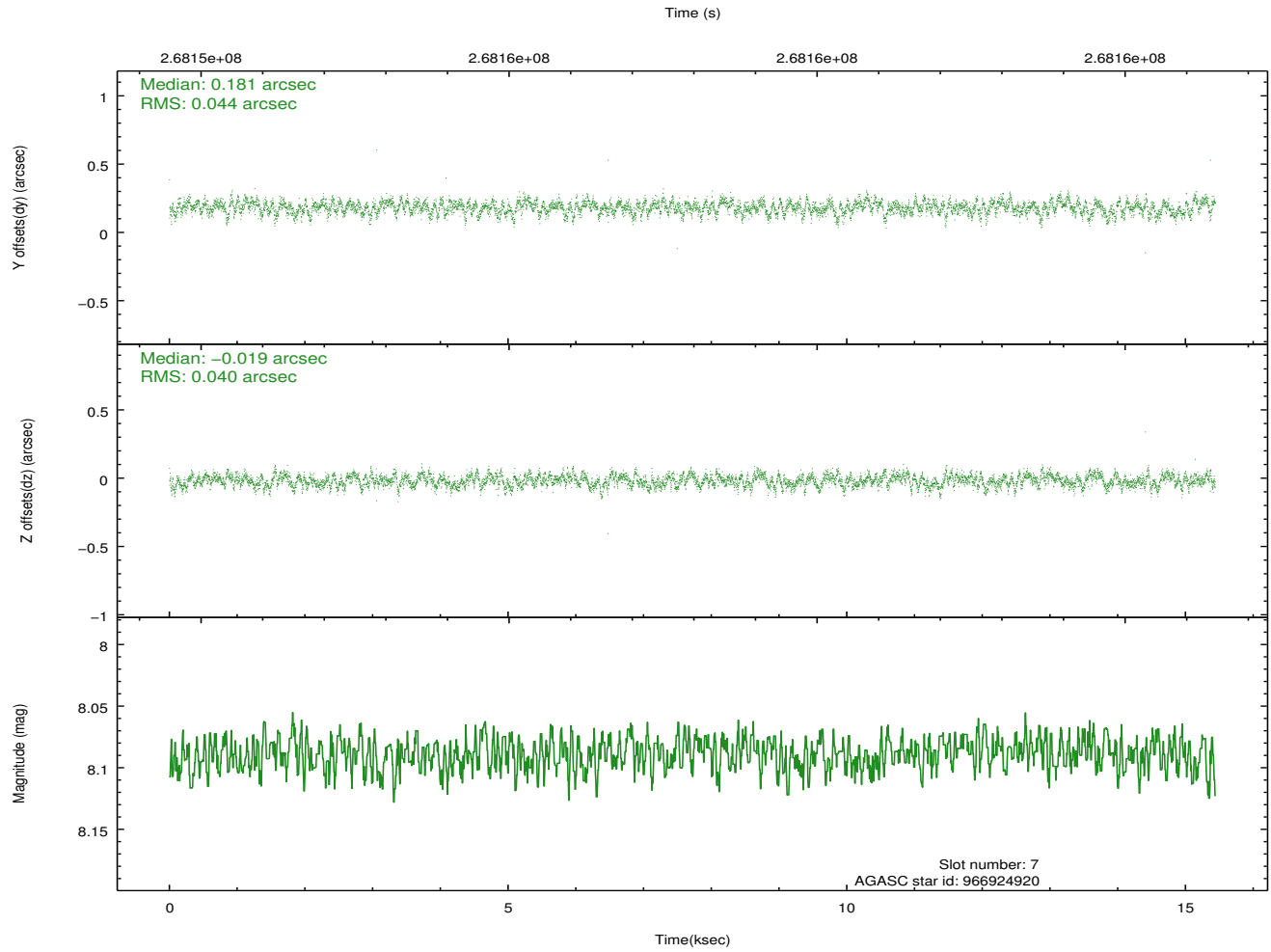
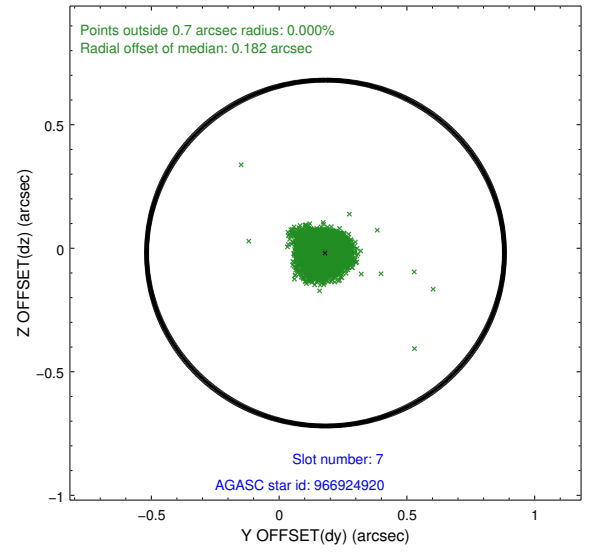
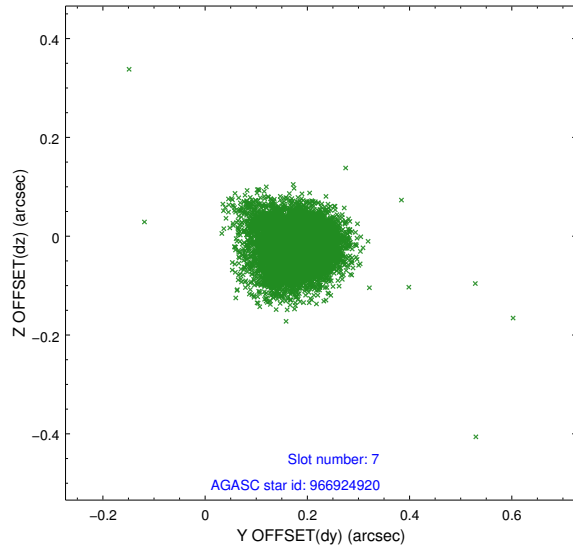
2.4.4 Slot 6



Time (s)

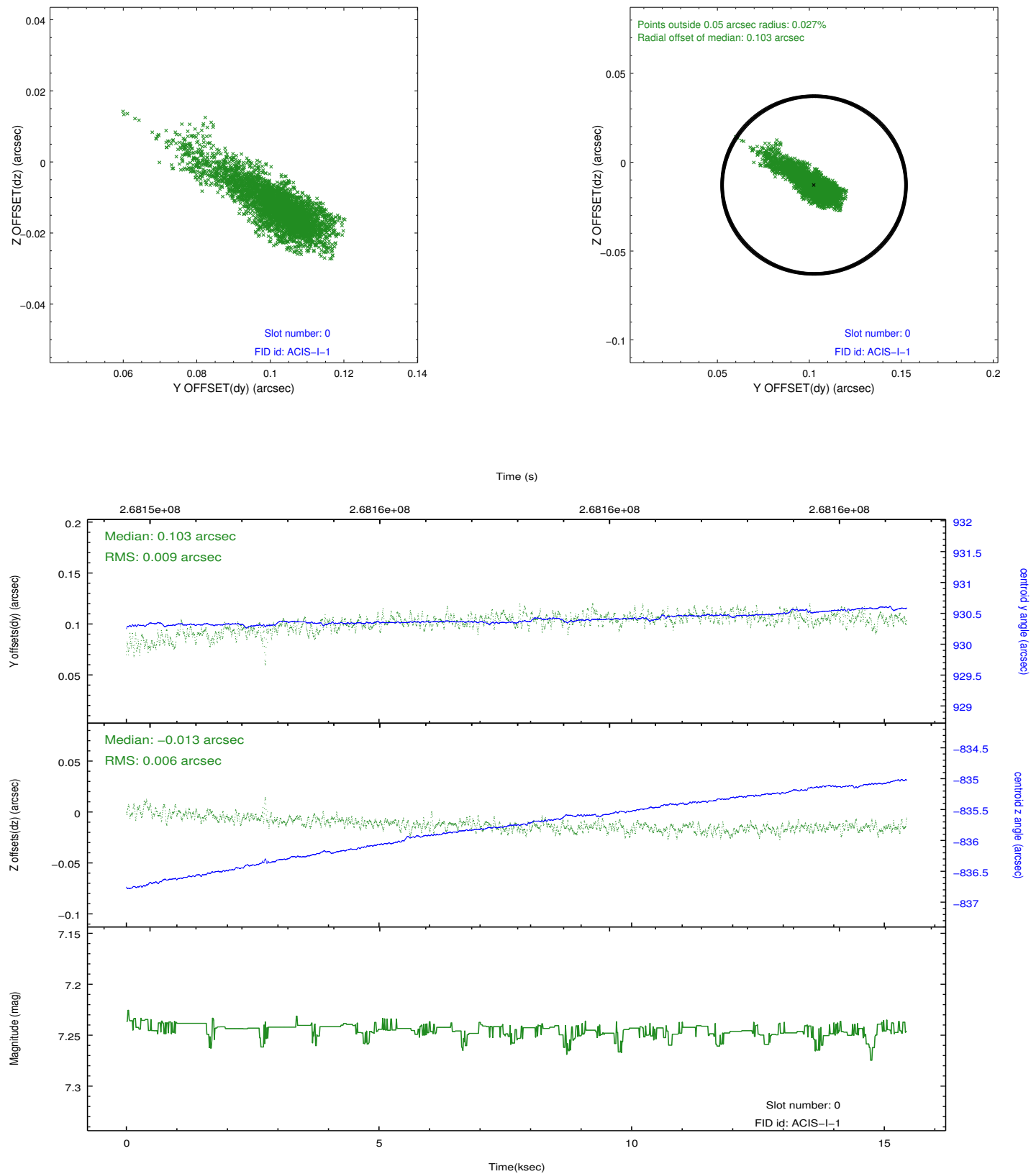


2.4.5 Slot 7

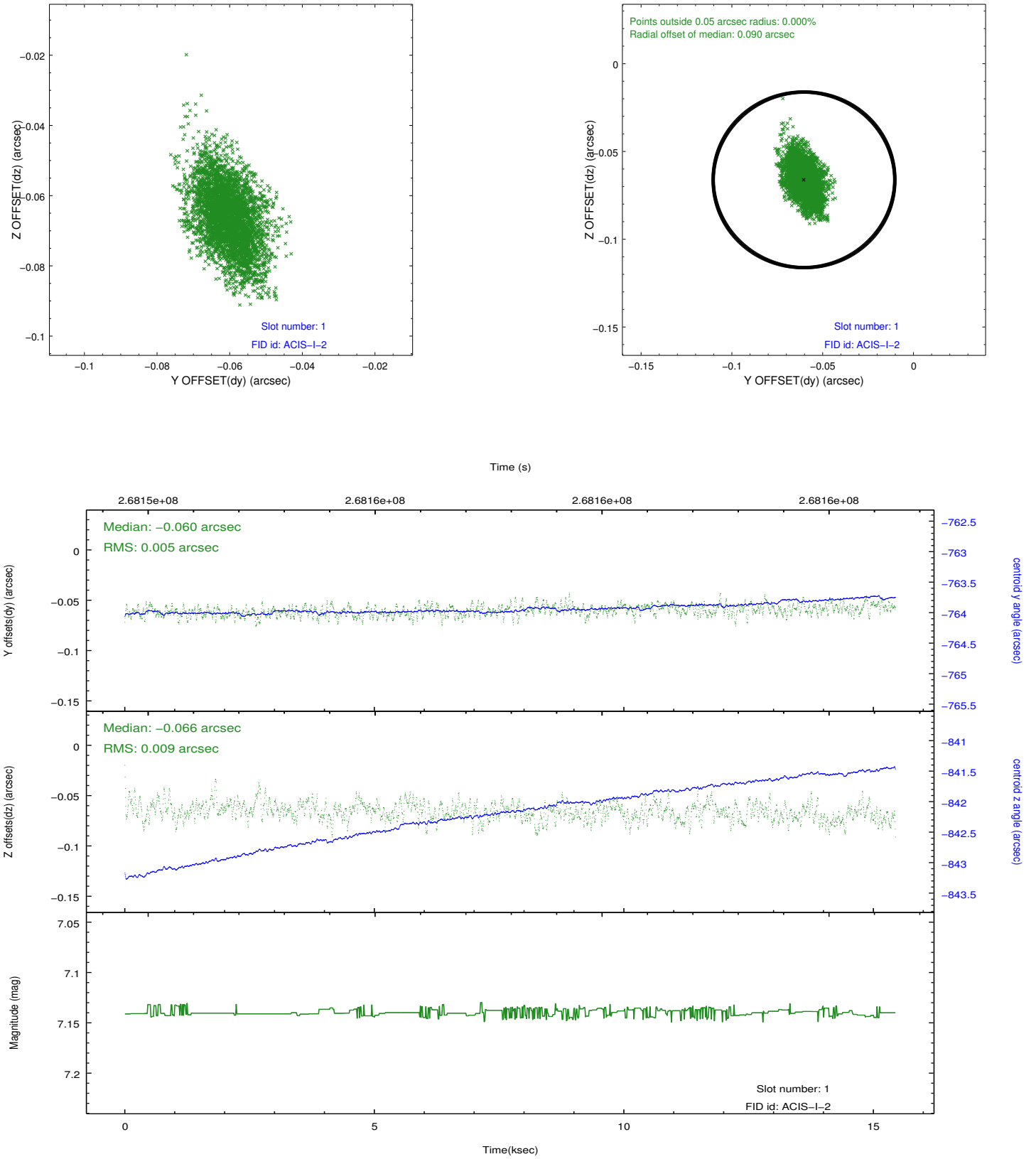


2.5 FID Slots

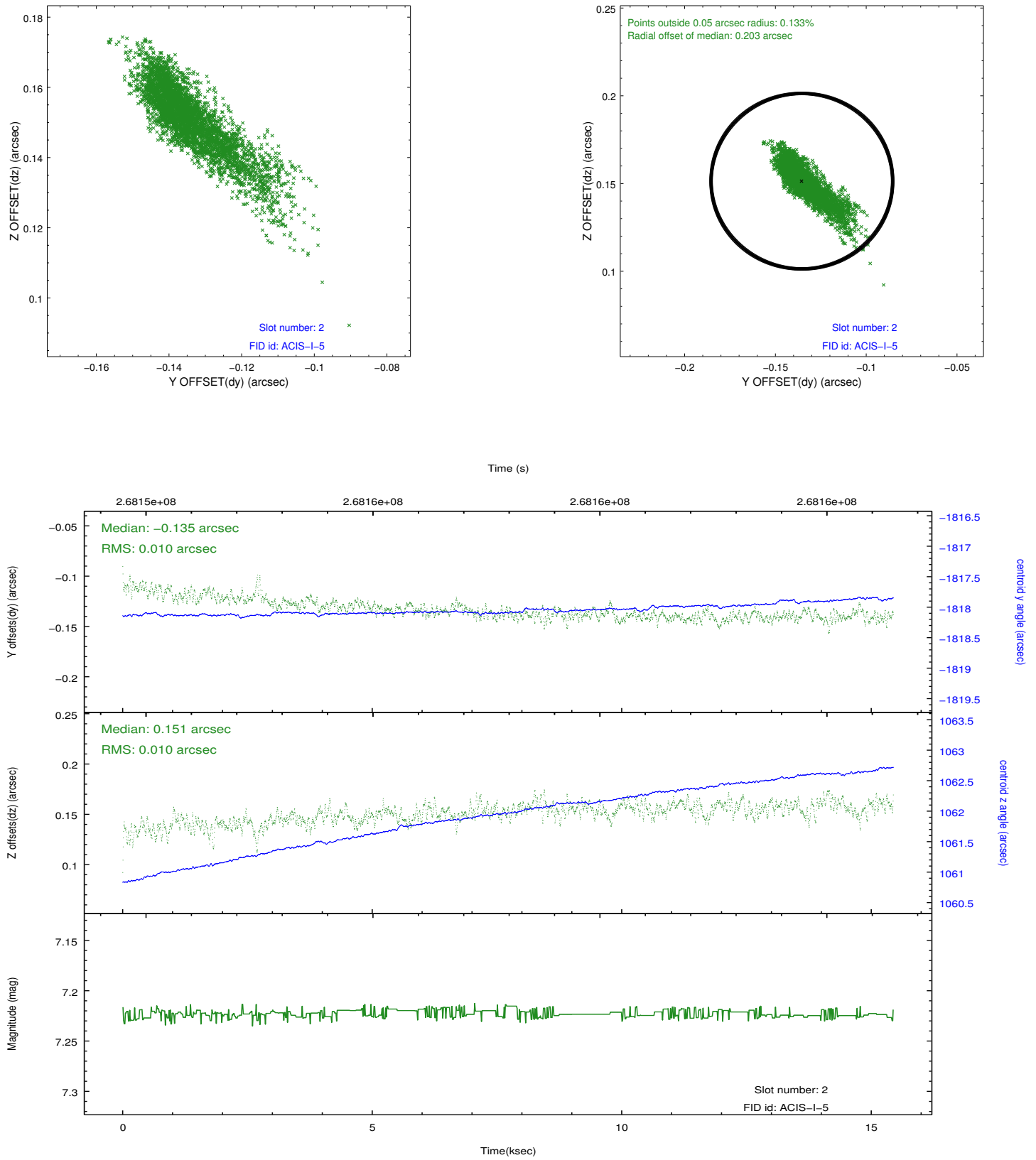
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.4367999

A.2 Comments