

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5904 - L2 Version 3
Chandra X-Ray Center

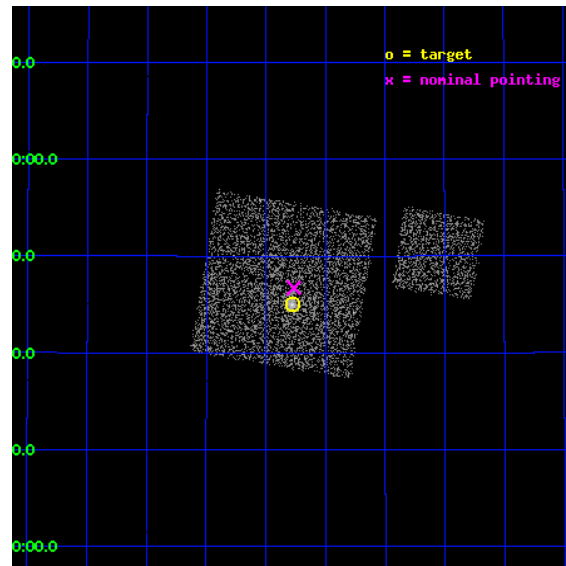
L2 Processing Date : Dec 16 2012

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1 Front

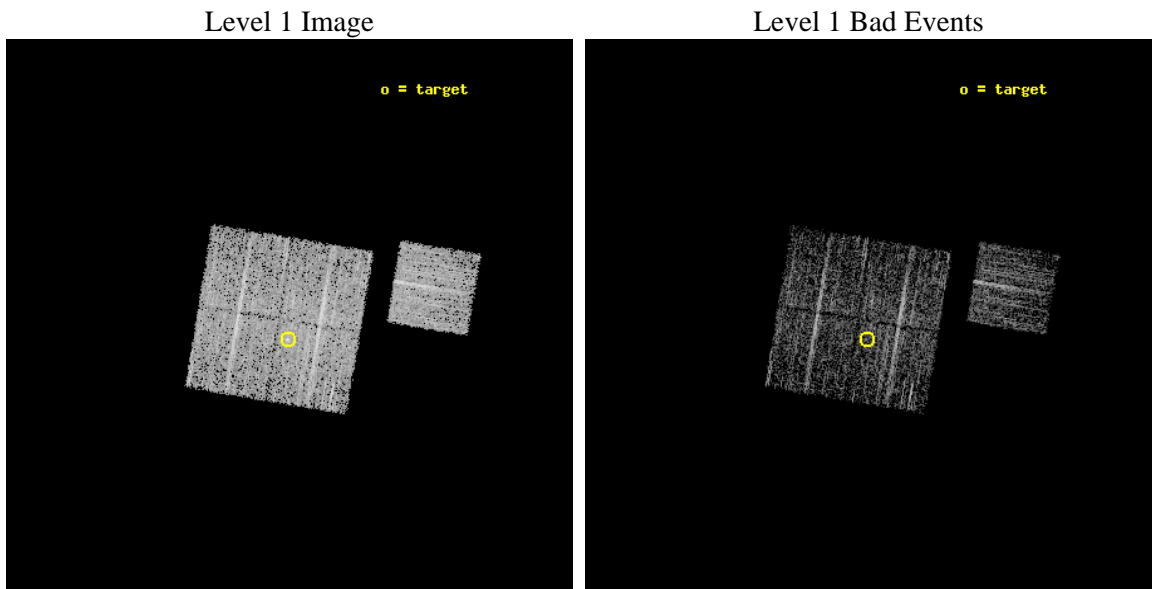
seq_num	600423	Sequence number
obs_id	5904	Observation id
title	Snapshot Observations of X-ray Bright Early-Type Galaxies	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NGC2832	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.945	Observer's specified target RA [deg]
dec_targ	33.749722	Observer's specified target Dec [deg]
ra_nom	139.94144084219	Nominal RA [deg]
dec_nom	33.778935933834	Nominal Dec [deg]
roll_nom	99.514305427304	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3046.3999886513	Sum of GTIs [s]
livetime	3007.8246376731	Livetime [s]
ontime0	3046.3999886513	Sum of GTIs [s]
ontime1	3046.3999886513	Sum of GTIs [s]
ontime2	3046.3999886513	Sum of GTIs [s]
ontime3	3046.3999886513	Sum of GTIs [s]
ontime6	3043.158988446	Sum of GTIs [s]
l2events	9221	Number of level 2 events



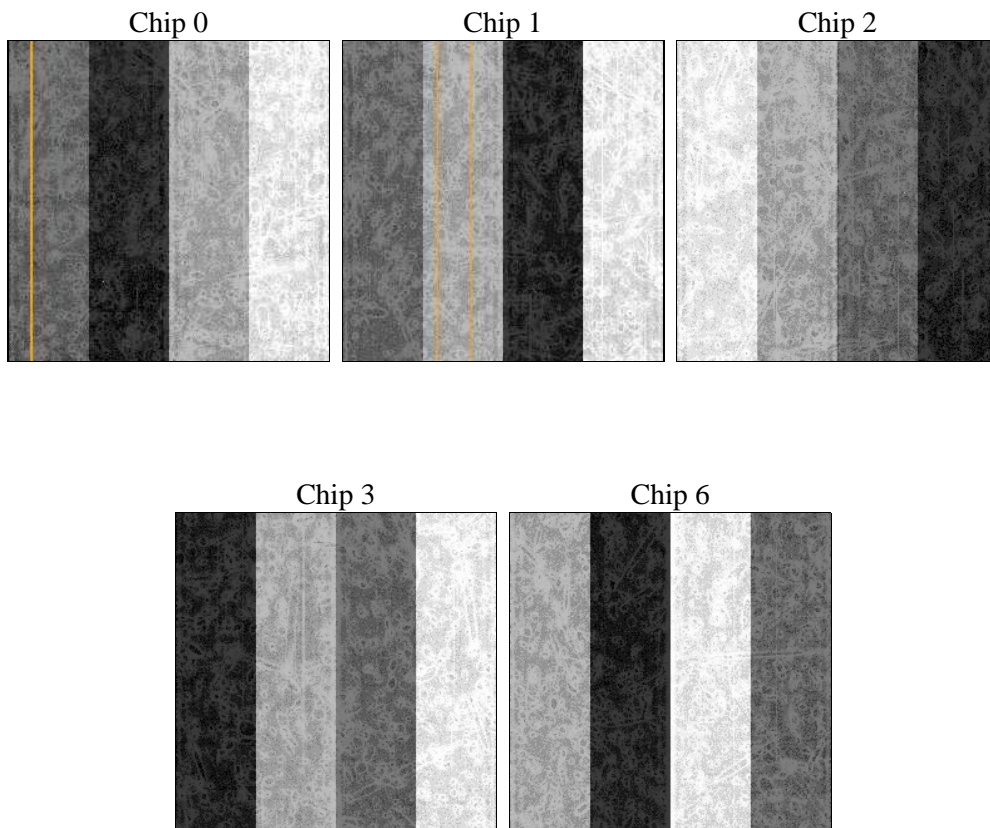
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	3046.3999886513	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	3046.3999886513	Sum of GTIs [s]
date	2012-12-15T20:47:01	Date and time of file creation	ontime1	3046.3999886513	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3046.3999886513	Sum of GTIs [s]
			ontime3	3046.3999886513	Sum of GTIs [s]
			ontime6	3043.158988446	Sum of GTIs [s]
			l1events	93181	Number of level 1 events

2.1.4 Events

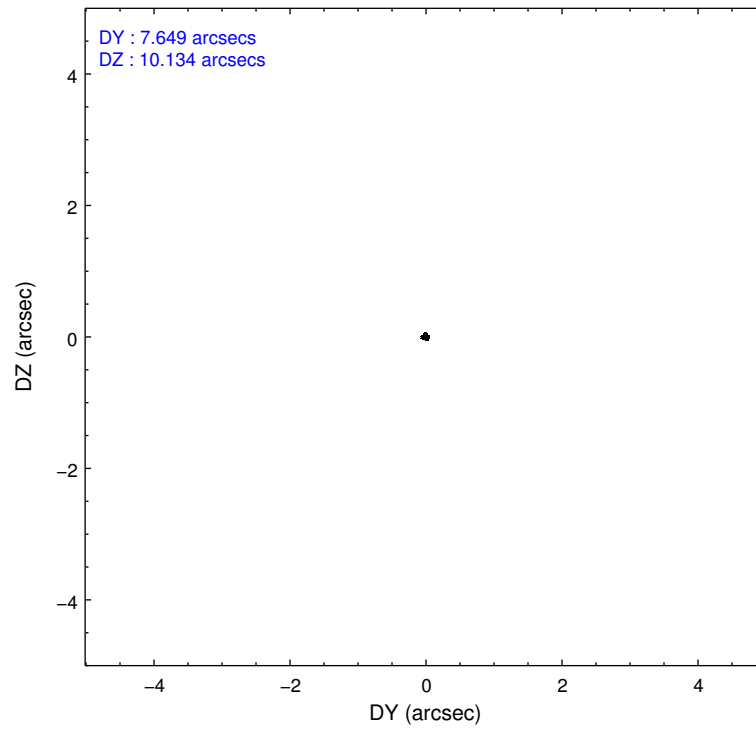
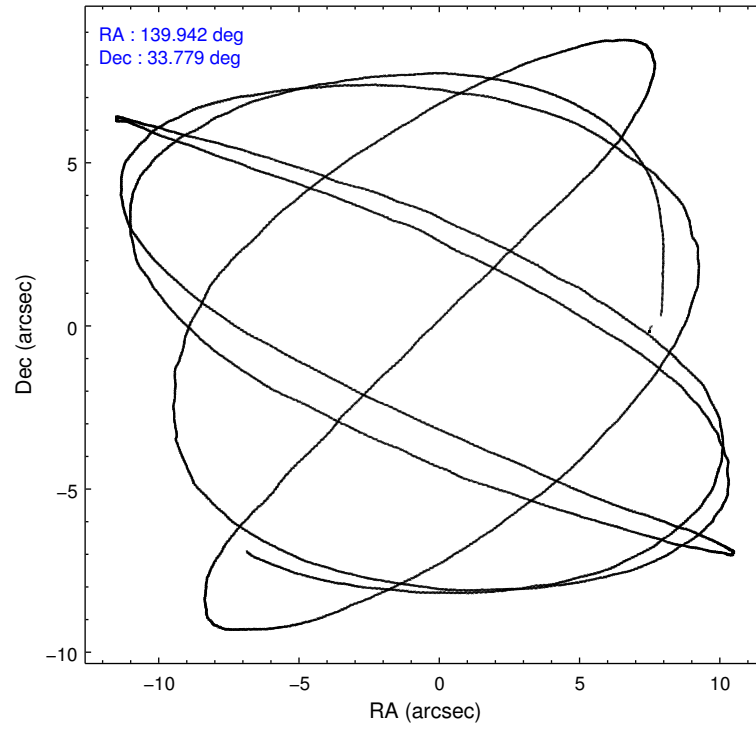
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	17147	17643	19384	19575	19432
rejected events	15134	15314	17303	17096	17444
rejected %	88%	86%	89%	87%	89%

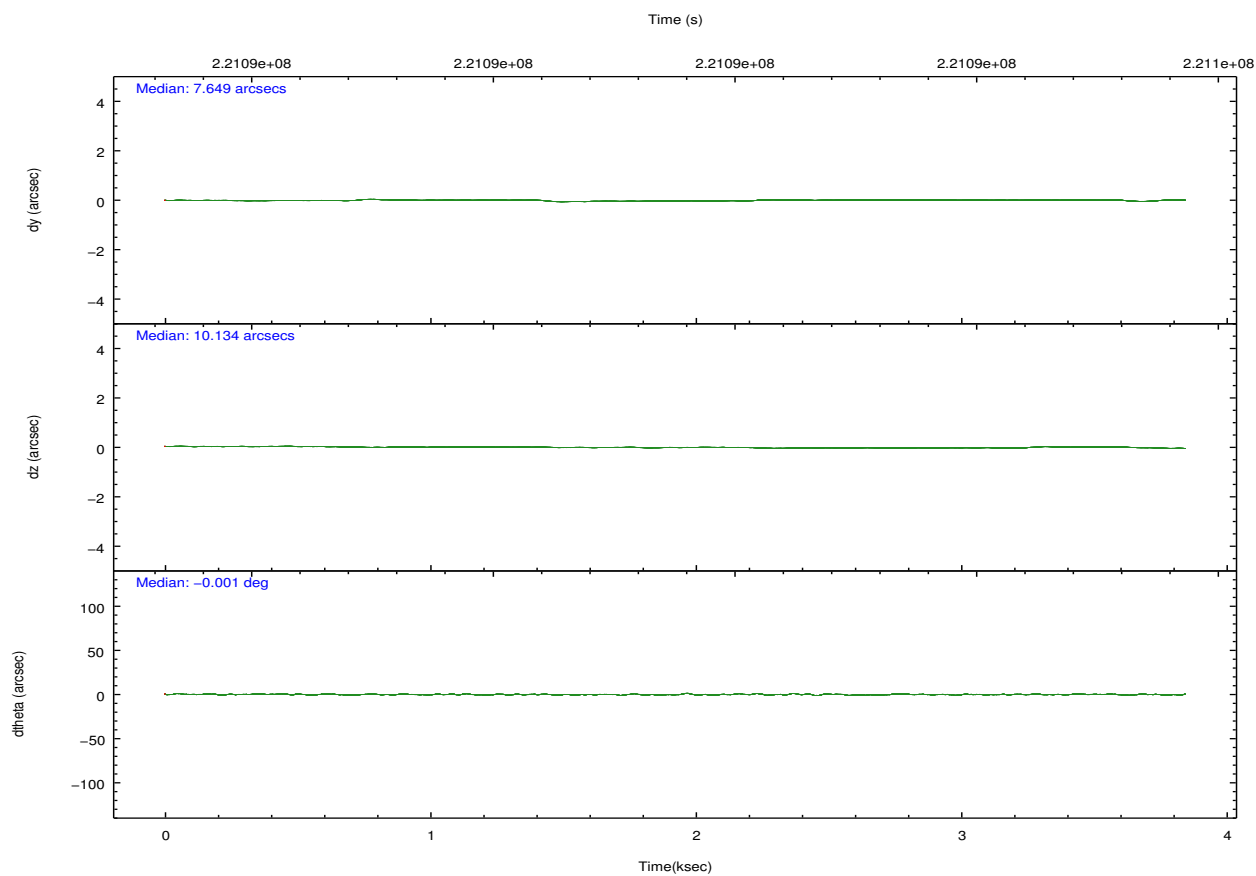
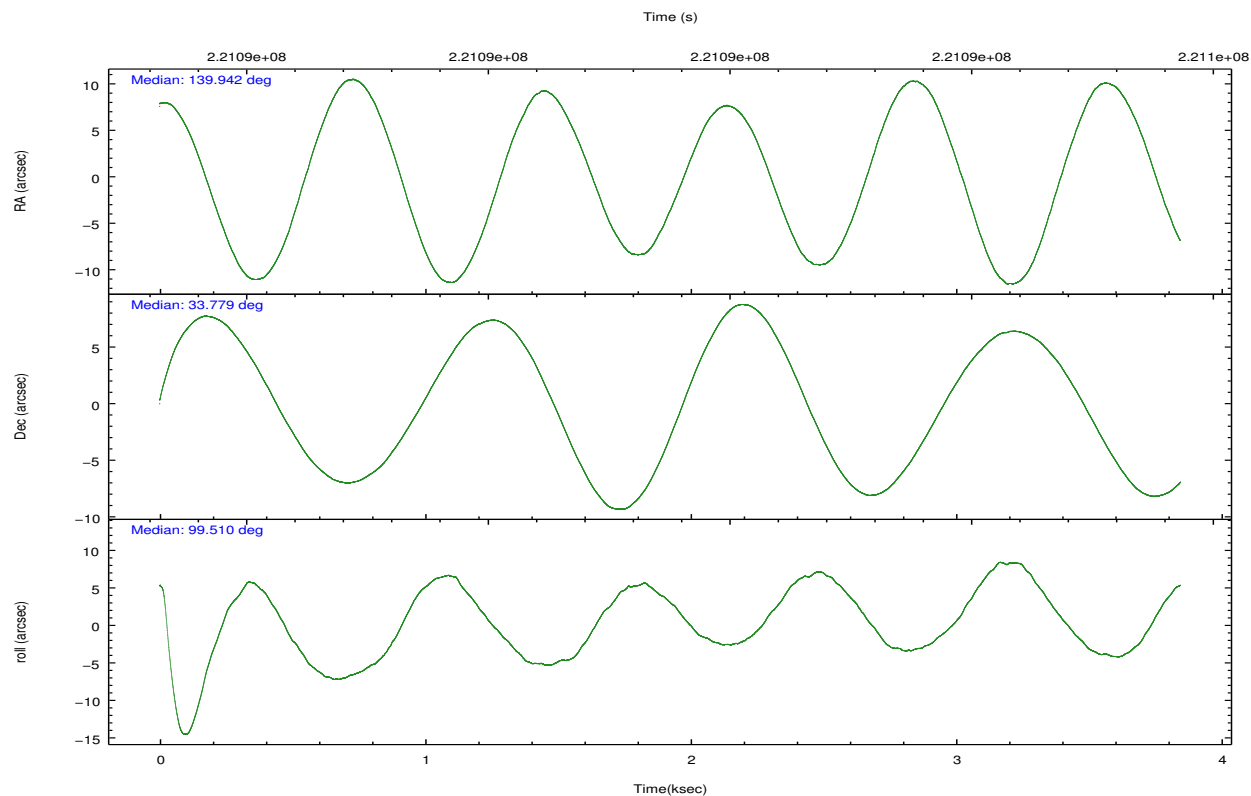
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	757	938	893	1238	753
	4%	5%	4%	6%	3%
grade 1 events	11	15	10	16	4
	0%	0%	0%	0%	0%
grade 2 events	454	471	453	413	378
	2%	2%	2%	2%	1%
grade 3 events	218	253	217	206	201
	1%	1%	1%	1%	1%
grade 4 events	211	250	206	229	214
	1%	1%	1%	1%	1%
grade 5 events	651	703	624	730	766
	3%	3%	3%	3%	3%
grade 6 events	376	423	318	398	446
	2%	2%	1%	2%	2%
grade 7 events	14469	14590	16663	16345	16670
	84%	82%	85%	83%	85%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	139.962492	139.9414408421943	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.757843	33.77893593383374	Alternating exposures requested	N	N
[deg] Pointing Roll	99.293837	99.51430542730442	[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	-232.092463	-232.0989598023052			
[mm] SIM translation stage offset	-1.5	-1.493493200624528			
[s] Observation start time (MET)	221091675.184000	221090410.89447			
Observation start date	2005-01-02T22:20:11	2005-01-02T22:00:10			
[s] Observation end time (MET)	221094675.184000	221096489.14474			
Observation end date	2005-01-02T23:10:11	2005-01-02T23:41:29			
Read mode	TIMED	TIMED			

2.3 Aspect



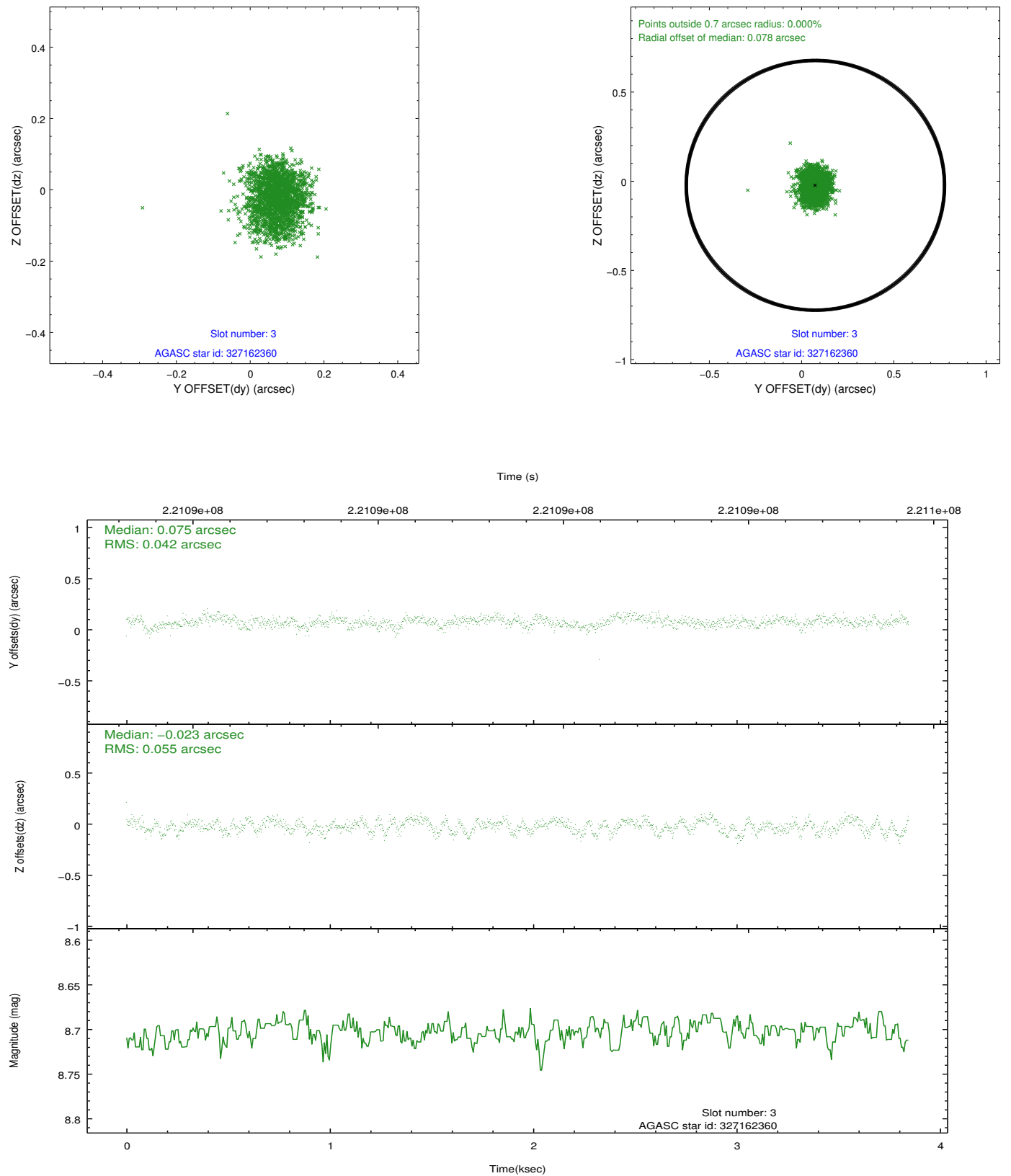


Slot Statistics

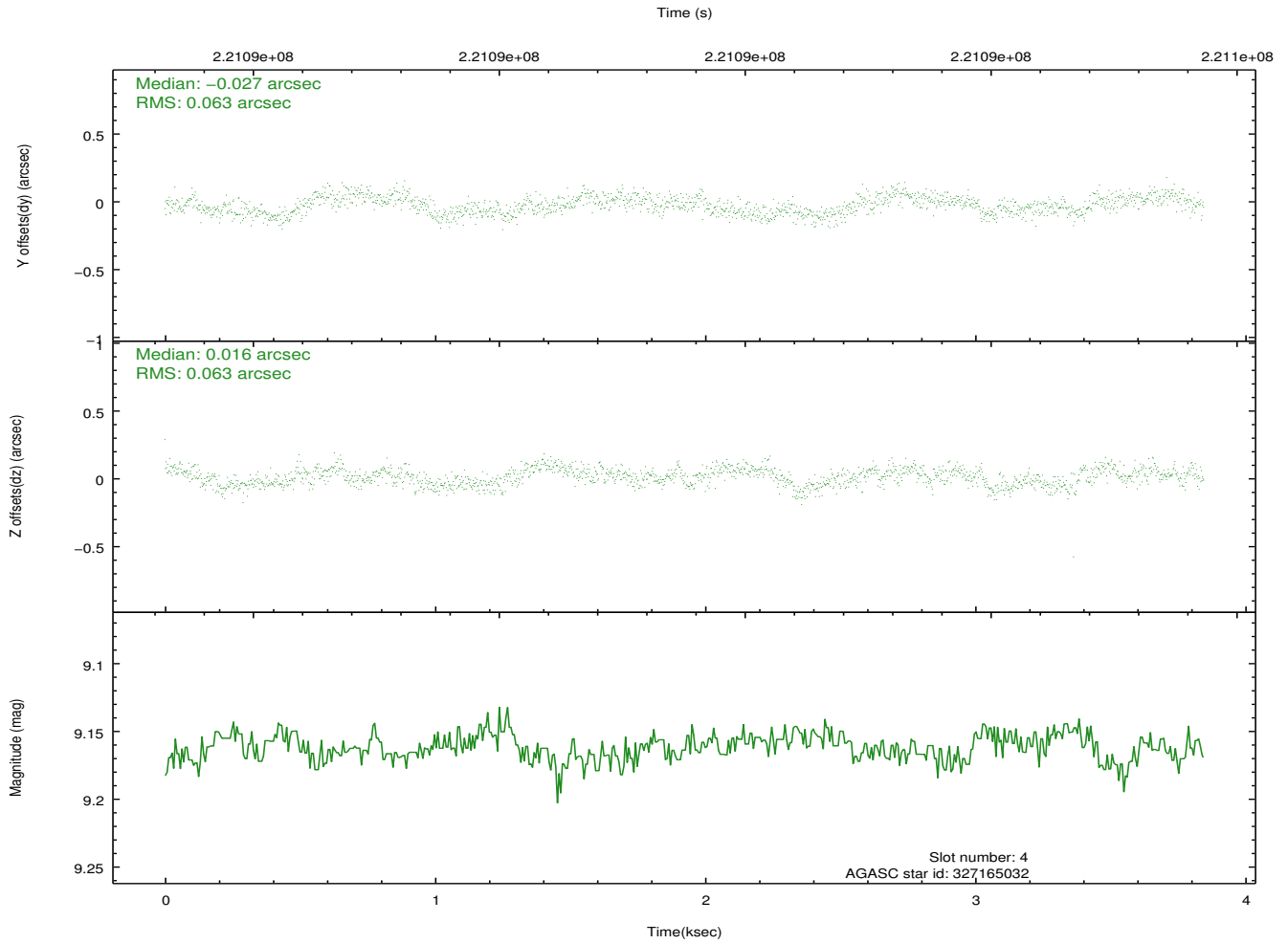
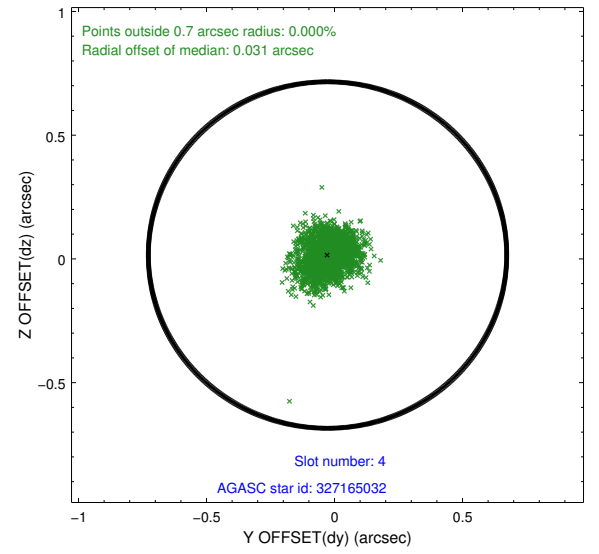
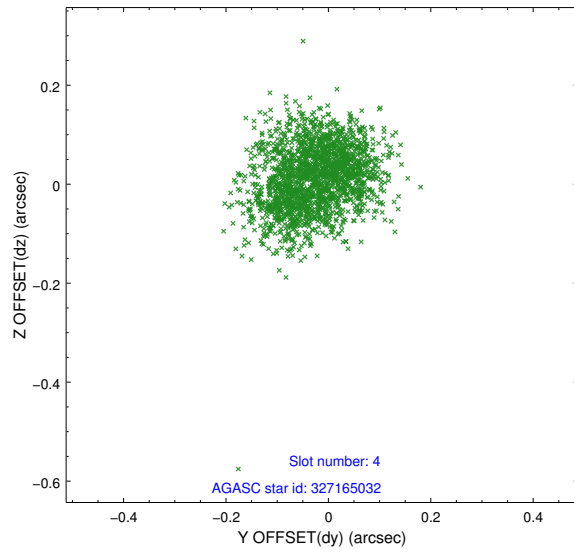
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	939	0.043	-0.015	0.006	0.010	0.000000	0.000000	932.02	-864.22
1	FID	ACIS-I-5	7.23	938	-0.177	0.057	0.006	0.010	0.000000	0.000000	-1815.36	1032.56
2	FID	ACIS-I-6	7.25	939	0.043	0.029	0.007	0.011	0.000000	0.000000	395.85	1678.83
3	GUIDE	327162360	8.70	1873	0.075	-0.023	0.075	0.117	140.144778	33.760524	-78.25	-539.79
4	GUIDE	327165032	9.16	1877	-0.027	0.016	0.096	0.148	140.214951	33.151031	-2277.72	-398.53
5	GUIDE	327168488	8.84	1876	-0.034	0.069	0.073	0.119	140.178859	34.177574	1386.69	-879.92
6	GUIDE	327168896	9.69	1872	0.084	-0.076	0.116	0.186	140.297138	33.254037	-1949.99	-702.07
7	GUIDE	327165288	8.40	1875	-0.103	0.026	0.101	0.158	140.847581	33.464011	-1462.81	-2454.56

2.4 Star Slots

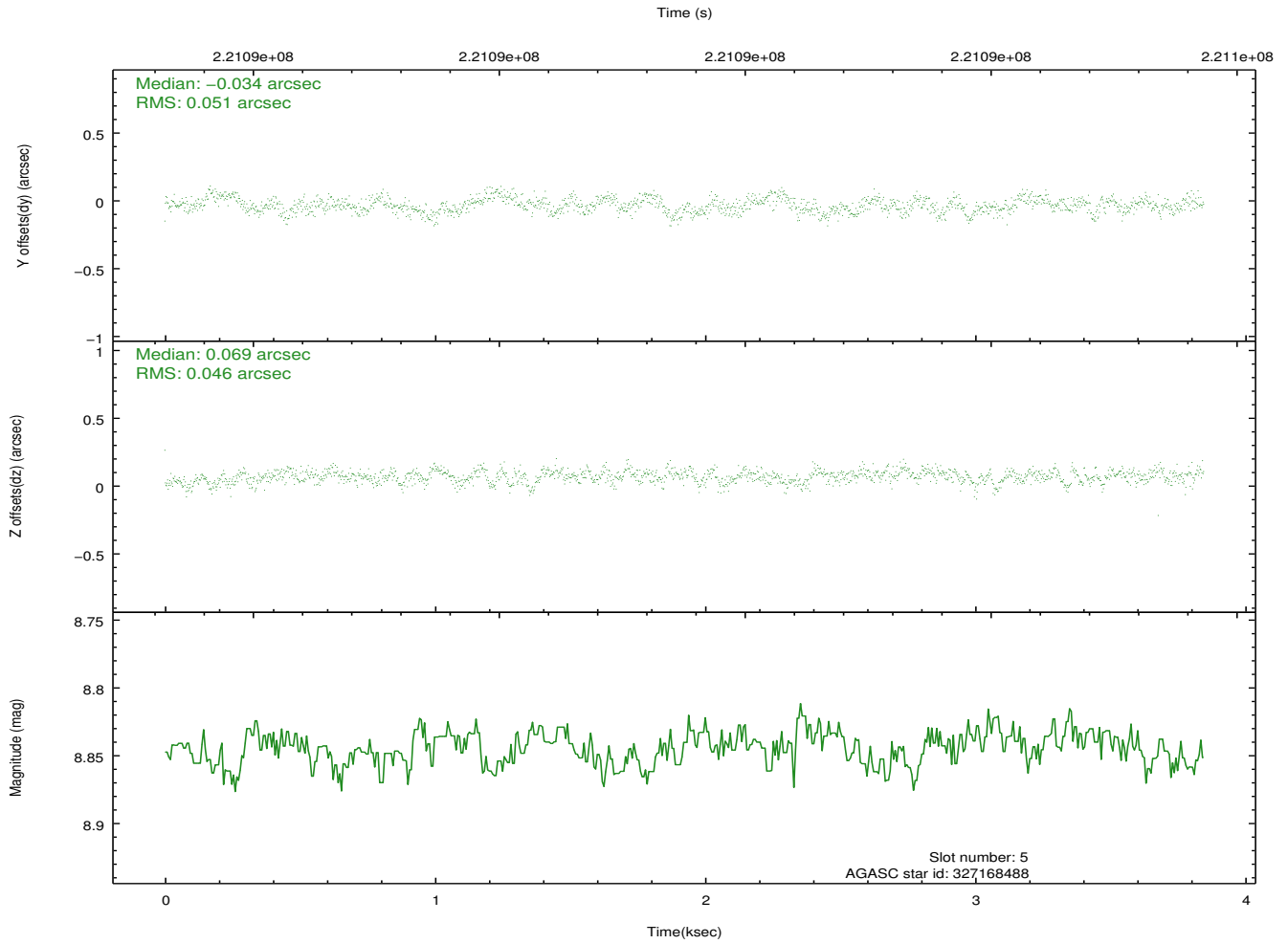
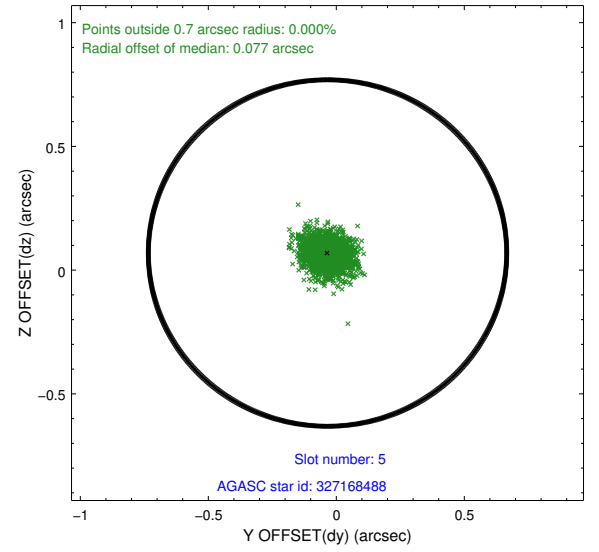
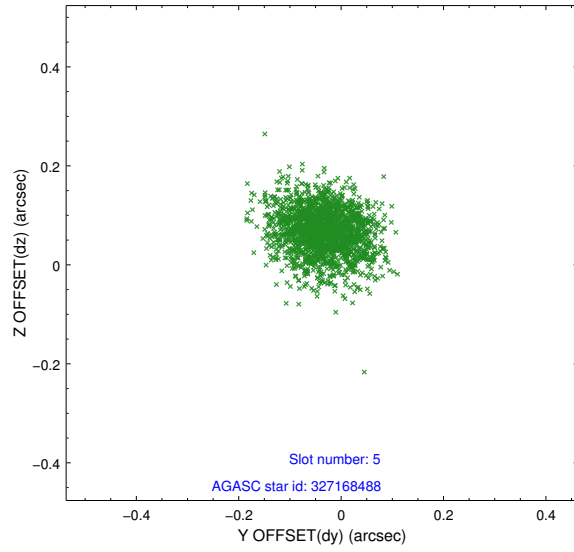
2.4.1 Slot 3



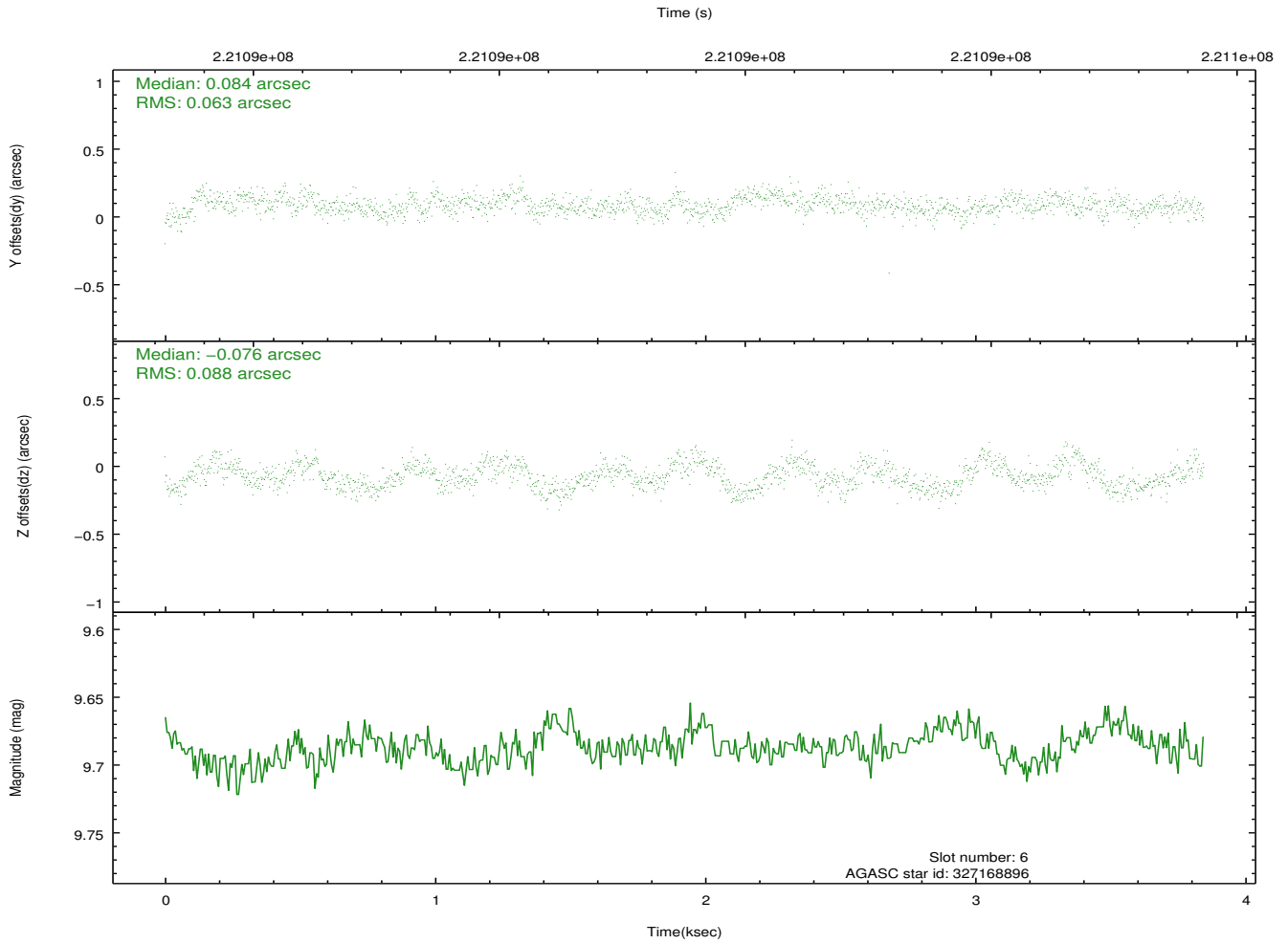
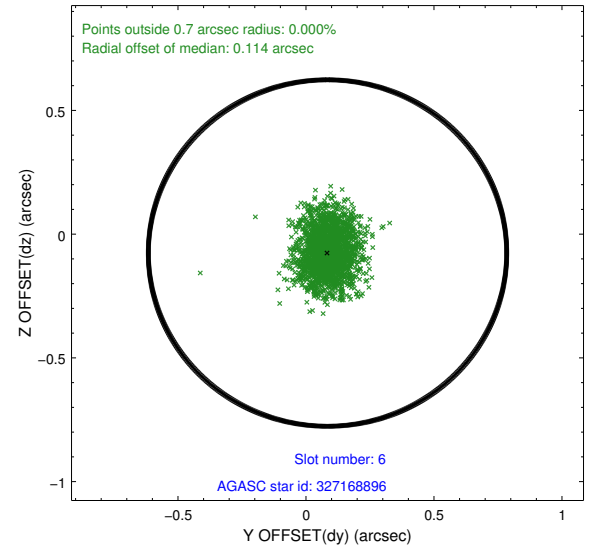
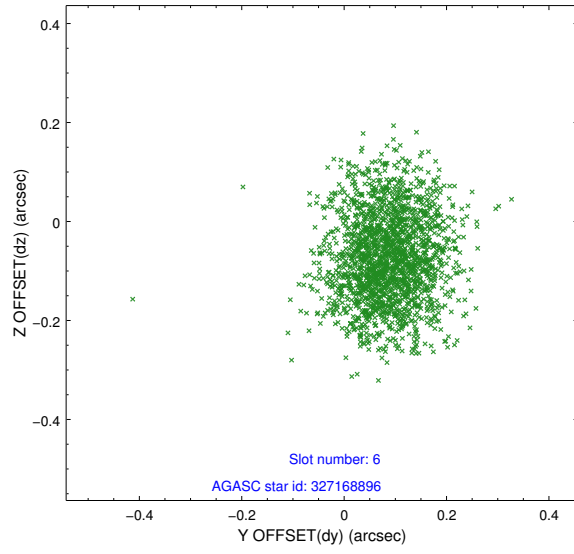
2.4.2 Slot 4



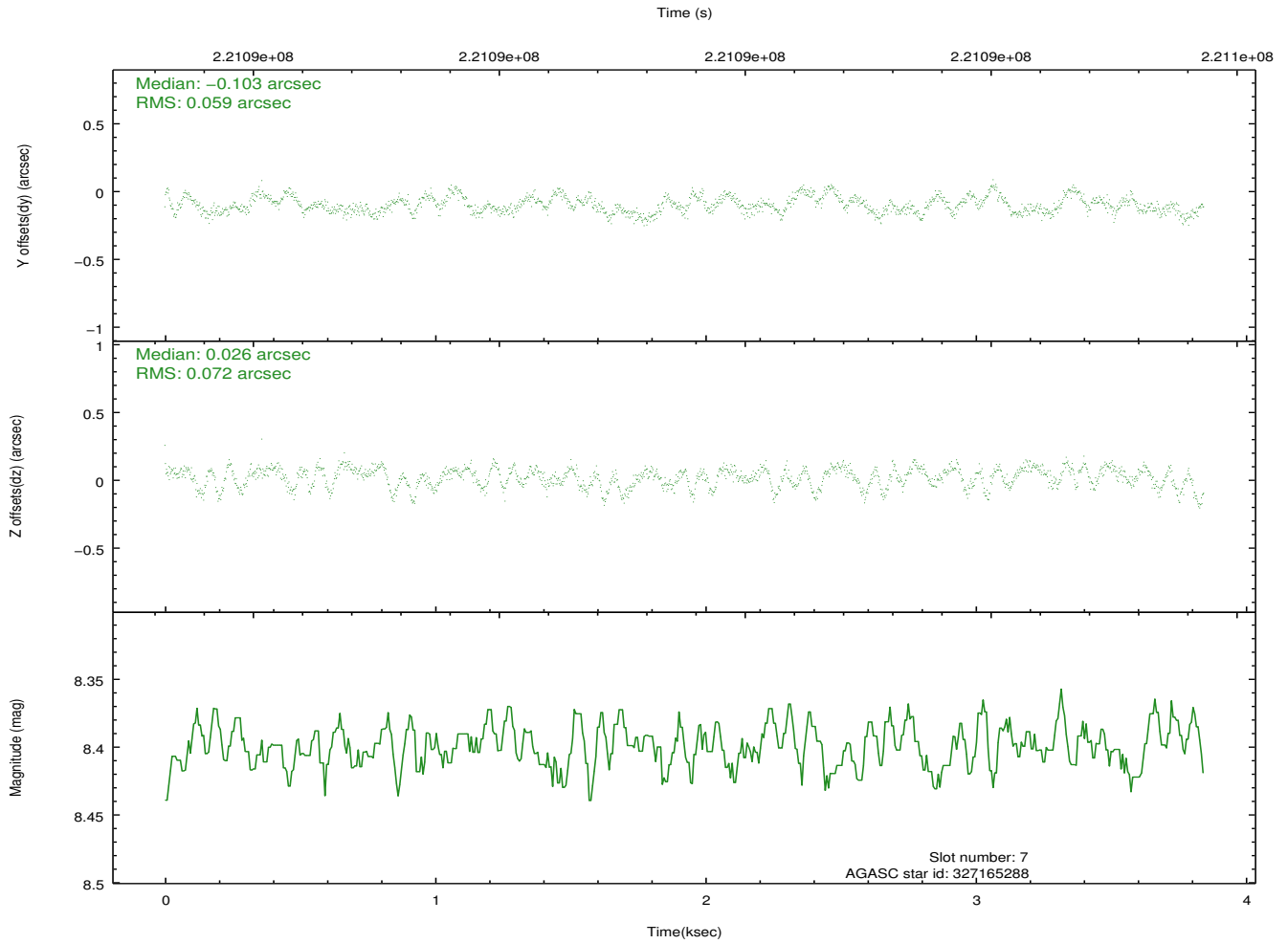
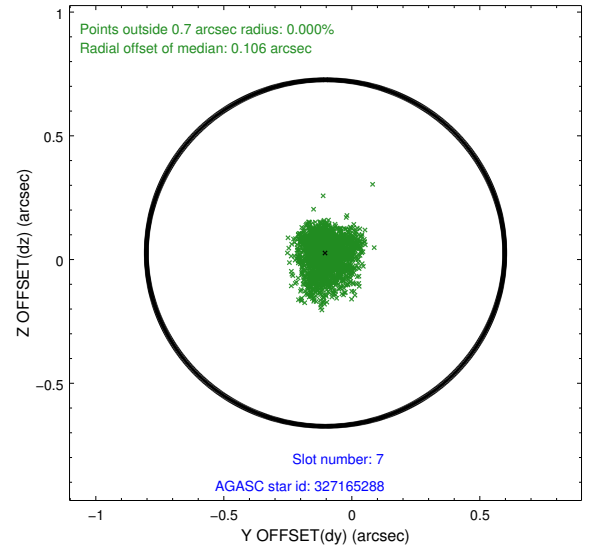
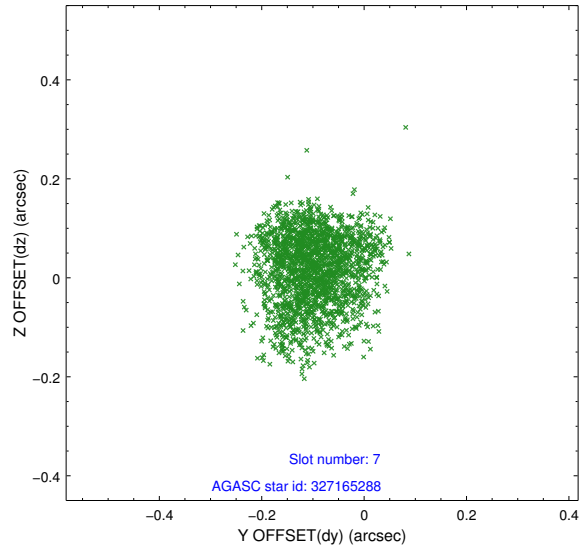
2.4.3 Slot 5



2.4.4 Slot 6

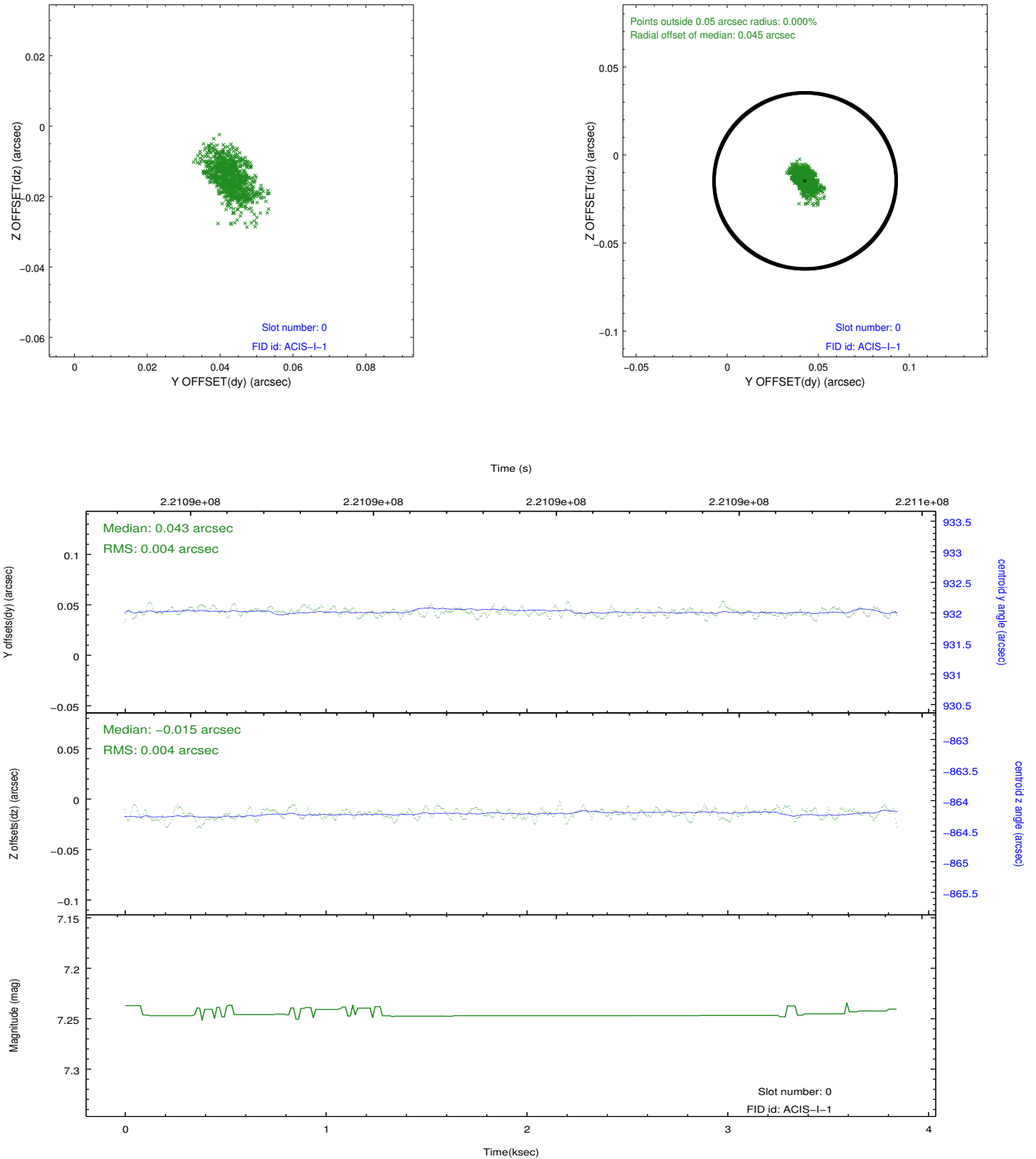


2.4.5 Slot 7

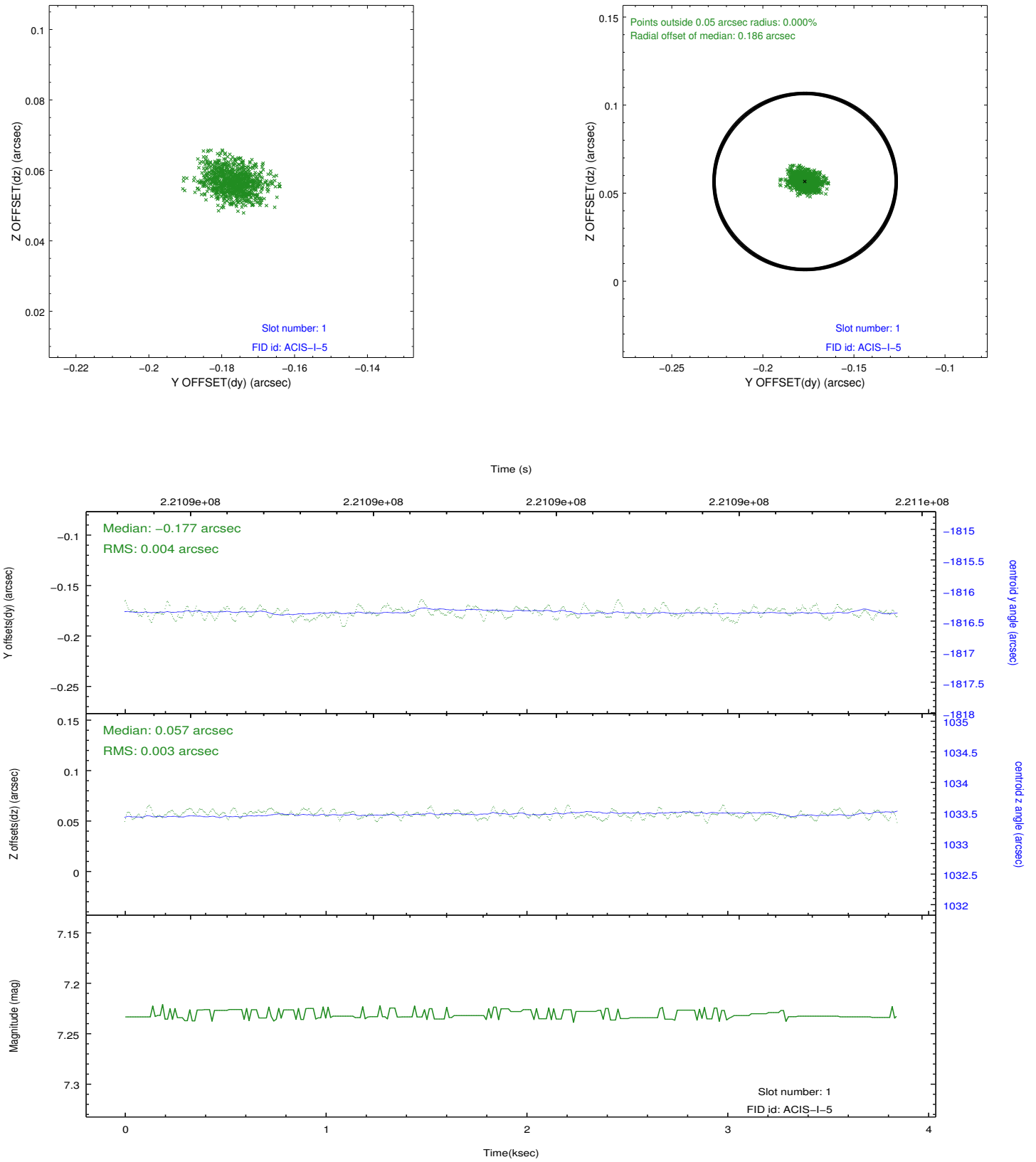


2.5 FID Slots

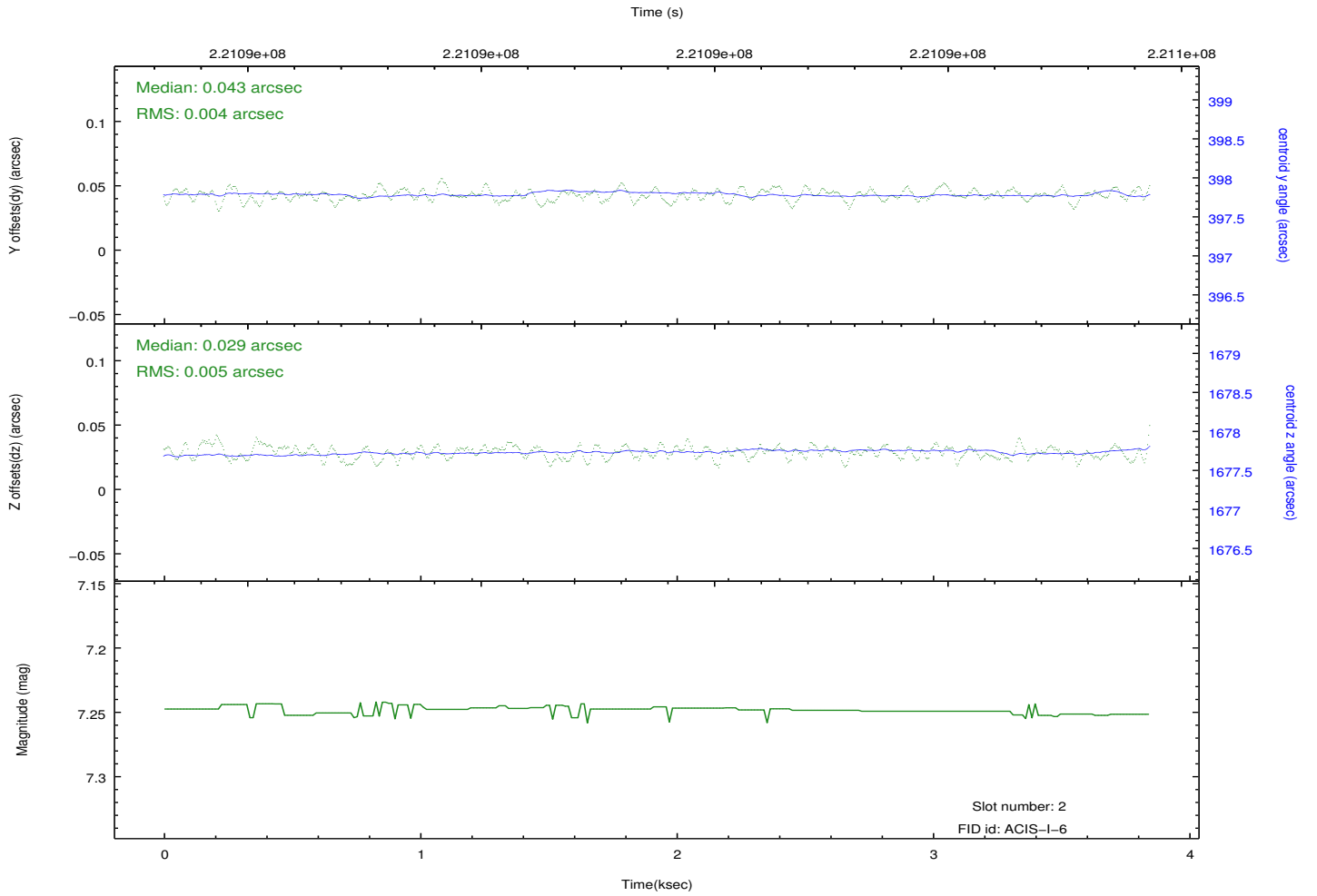
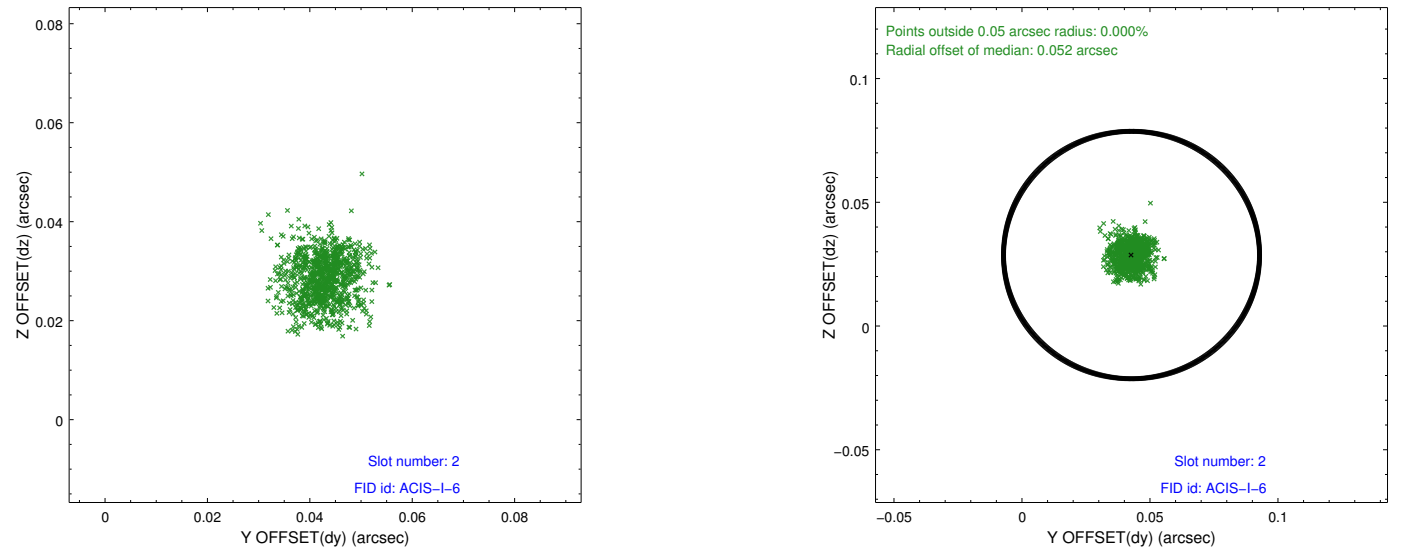
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.046399

A.2 Comments