

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2895 - L2 Version 3
Chandra X-Ray Center

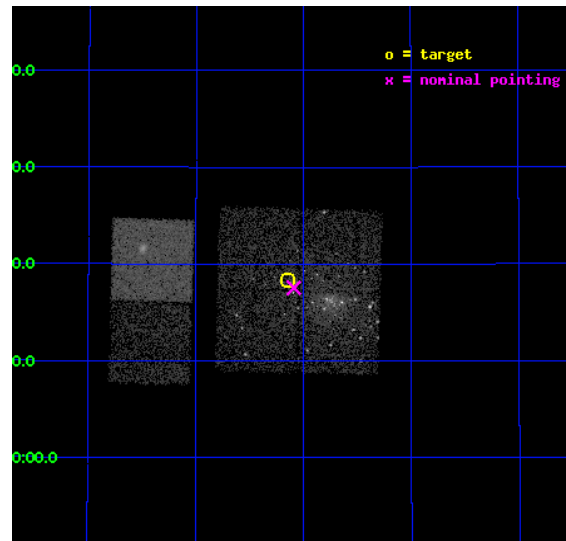
L2 Processing Date : Sep 28 2012

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

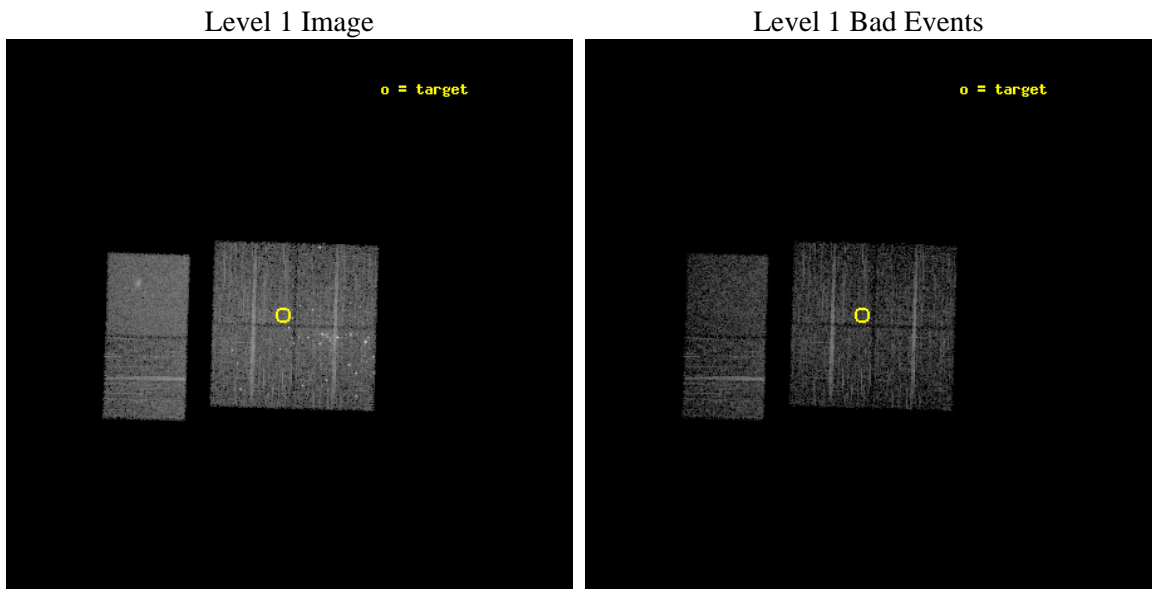
seq_num	600232	Sequence number
obs_id	2895	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.785417	Observer's specified target RA [deg]
dec_targ	41.305556	Observer's specified target Dec [deg]
ra_nom	10.772351443946	Nominal RA [deg]
dec_nom	41.292671532222	Nominal Dec [deg]
roll_nom	271.66009129093	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4944.0000045896	Sum of GTIs [s]
livetime	4881.396099612	Livetime [s]
ontime0	4944.0000045896	Sum of GTIs [s]
ontime1	4944.0000045896	Sum of GTIs [s]
ontime2	4944.0000045896	Sum of GTIs [s]
ontime3	4944.0000045896	Sum of GTIs [s]
ontime6	4944.0000045896	Sum of GTIs [s]
ontime7	4944.0000045896	Sum of GTIs [s]
l2events	48180	Number of level 2 events



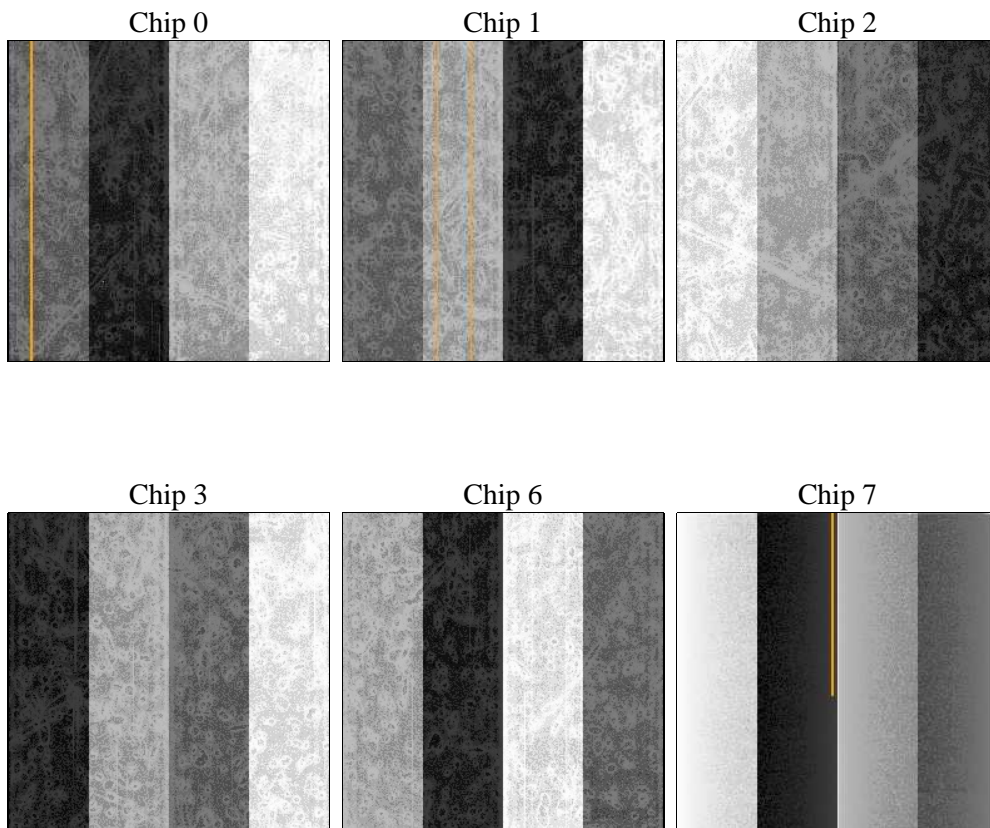
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4944.0000045896	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4944.0000045896	Sum of GTIs [s]
date	2012-09-28T22:12:59	Date and time of file creation	ontime1	4944.0000045896	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4944.0000045896	Sum of GTIs [s]
			ontime3	4944.0000045896	Sum of GTIs [s]
			ontime6	4944.0000045896	Sum of GTIs [s]
			ontime7	4944.0000045896	Sum of GTIs [s]
			l1events	216124	Number of level 1 events

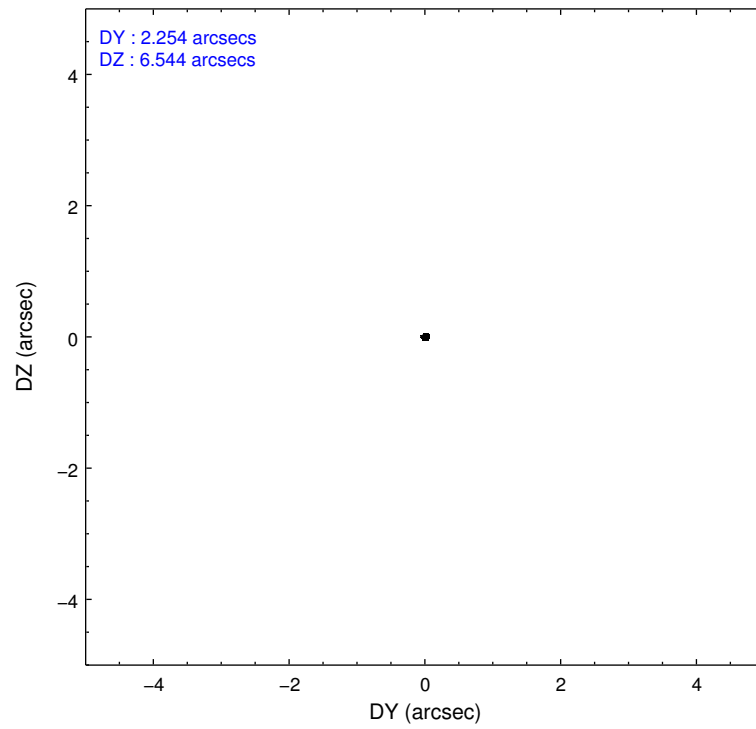
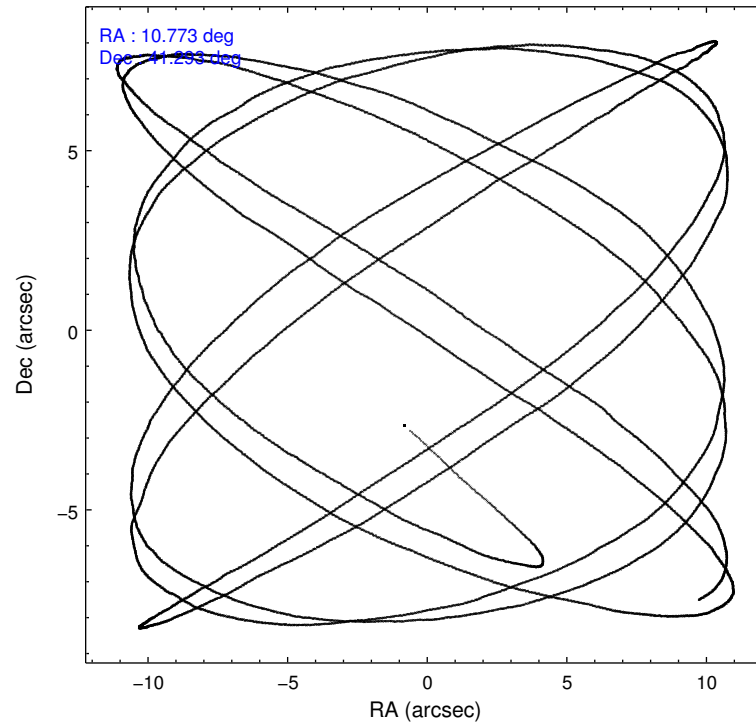
2.1.4 Events

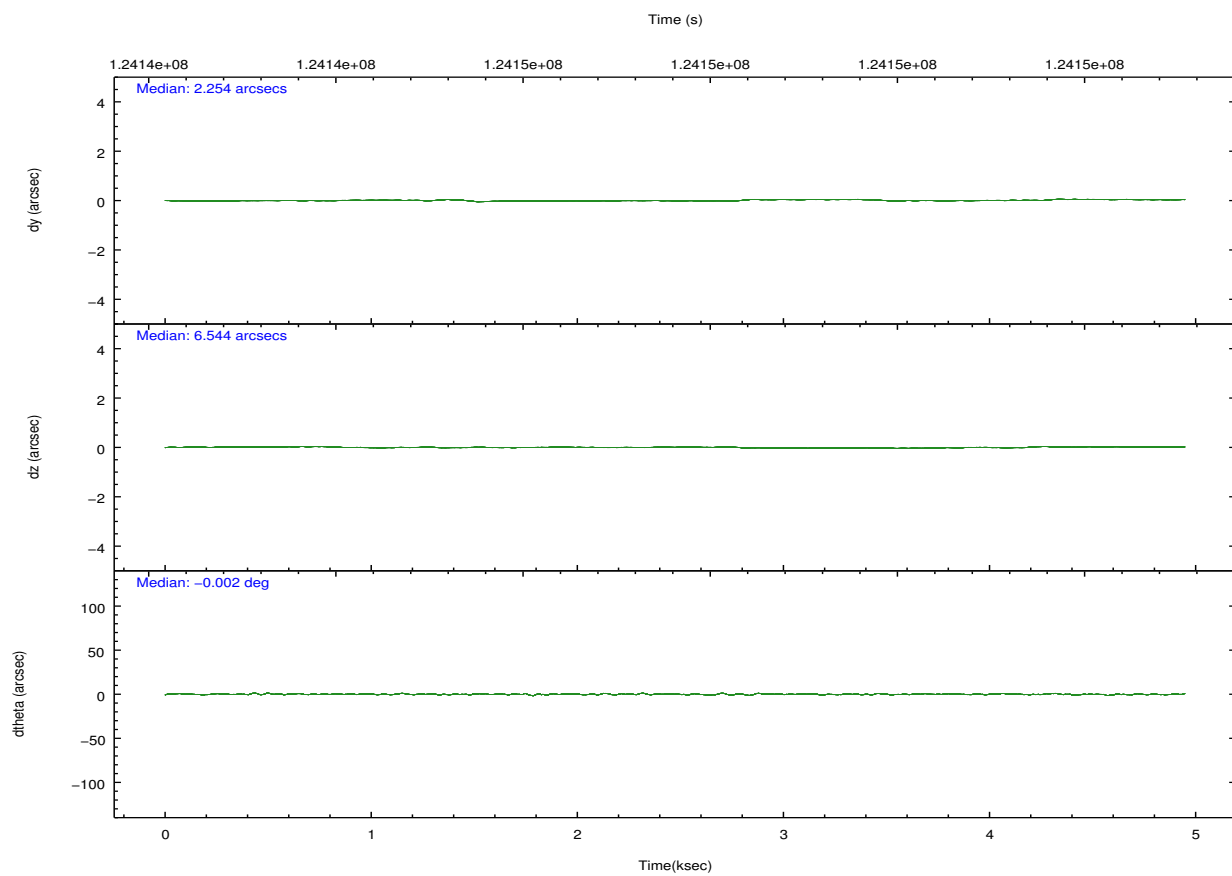
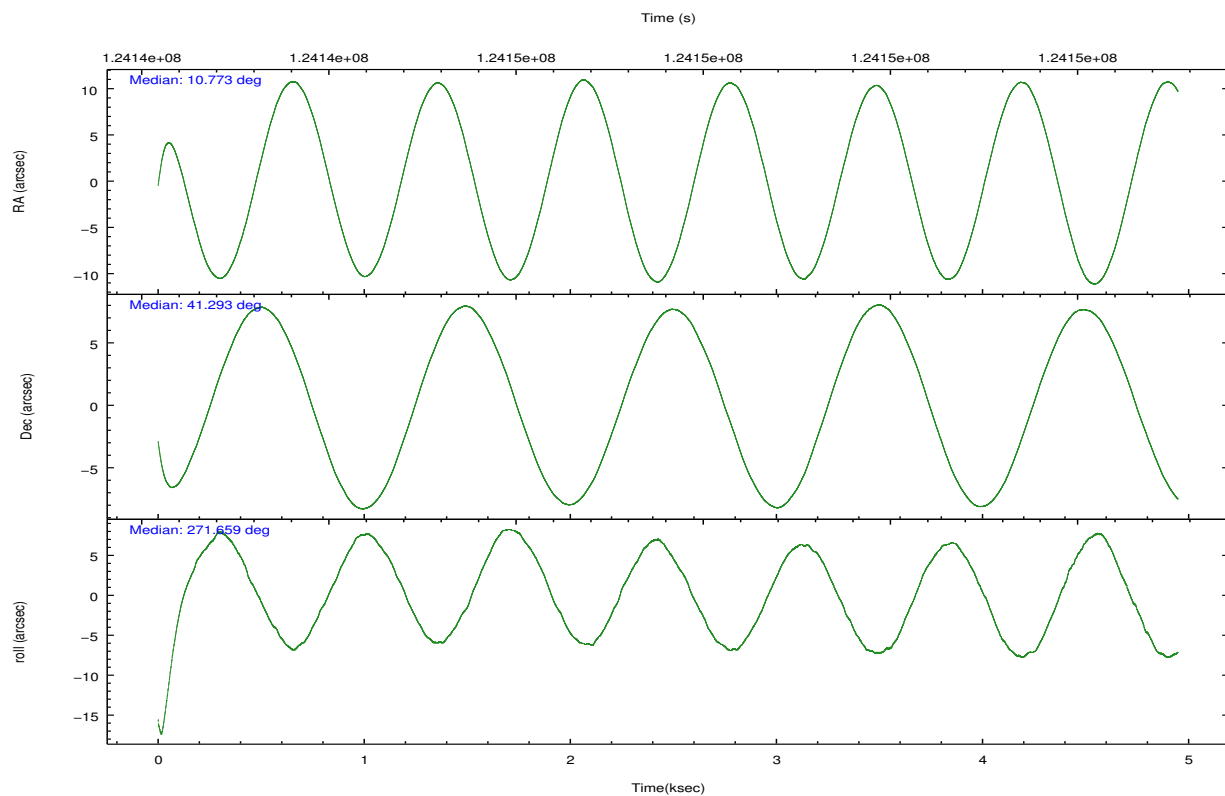
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	40760	31656	35242	33776	32617	42073	grade 0 events	10999	3421	3551	2501	1558	1825
rejected events	26062	25705	29263	29103	28909	24902		26%	10%	10%	7%	4%	4%
rejected %	63%	81%	83%	86%	88%	59%	grade 1 events	181	33	65	25	18	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	1938	1047	1077	855	794	3439
								4%	3%	3%	2%	2%	8%
							grade 3 events	705	448	431	430	389	1668
								1%	1%	1%	1%	1%	3%
							grade 4 events	679	477	423	368	348	1639
								1%	1%	1%	1%	1%	3%
							grade 5 events	1221	1259	1161	1245	1451	3885
								2%	3%	3%	3%	4%	9%
							grade 6 events	896	775	699	667	768	9190
								2%	2%	1%	1%	2%	21%
							grade 7 events	24141	24196	27835	27685	27291	20393
								59%	76%	78%	81%	83%	48%

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	10.753104	10.77235144394634	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.315945	41.29267153222158	Alternating exposures requested	N	N
[deg] Pointing Roll	271.464134	271.6600912909287	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	123638464.184000	123638464.184000			
[s] Window stop time (MET)	124243264.184000	124243264.184000			
[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)	124144484.184000	124143348.36569			
Observation start date	2001-12-07T20:33:40	2001-12-07T20:15:48			
[s] Observation end time (MET)	124149284.184000	124149871.97846			
Observation end date	2001-12-07T21:53:40	2001-12-07T22:04:31			
Read mode	TIMED	TIMED			

2.3 Aspect



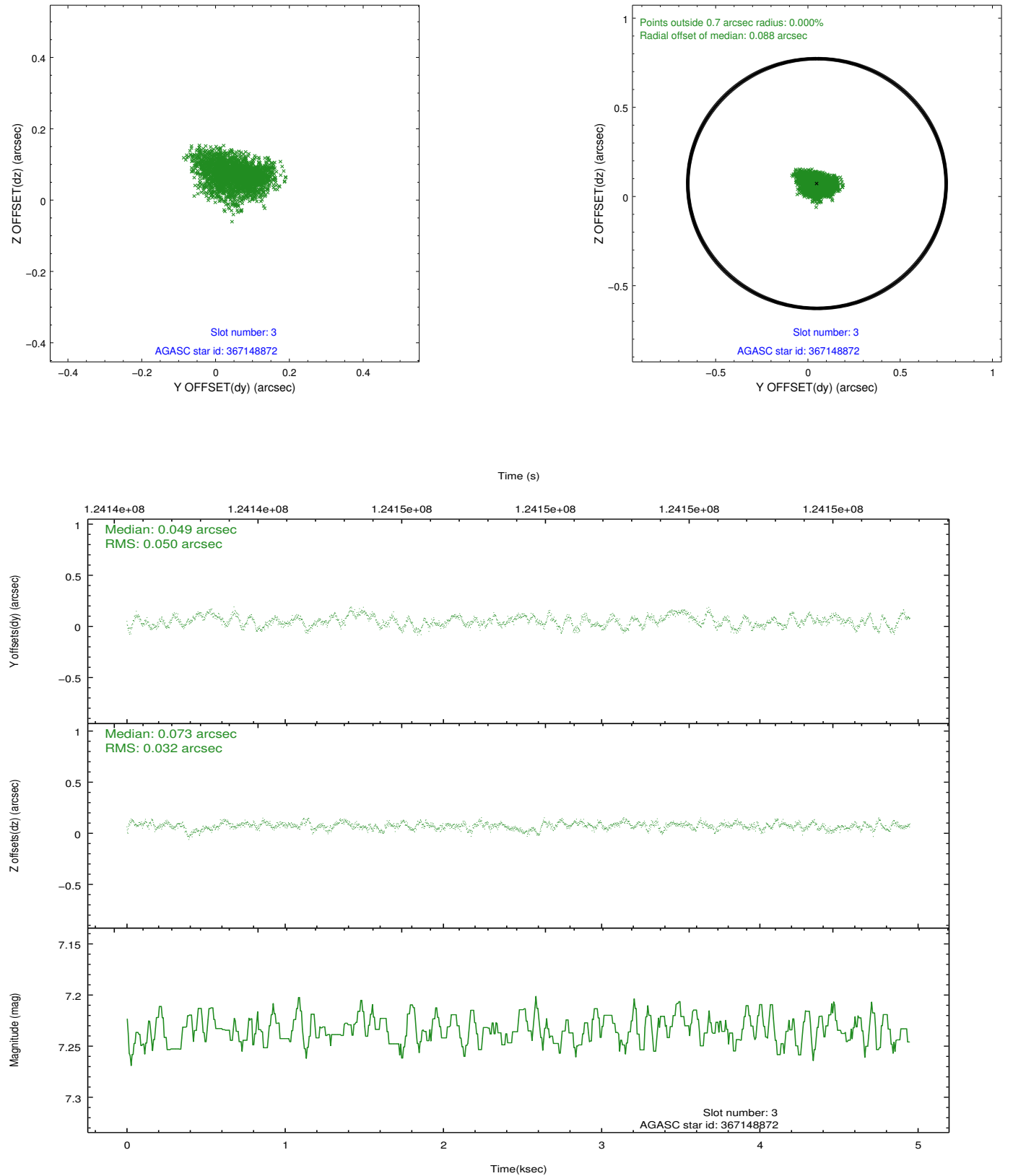


Slot Statistics

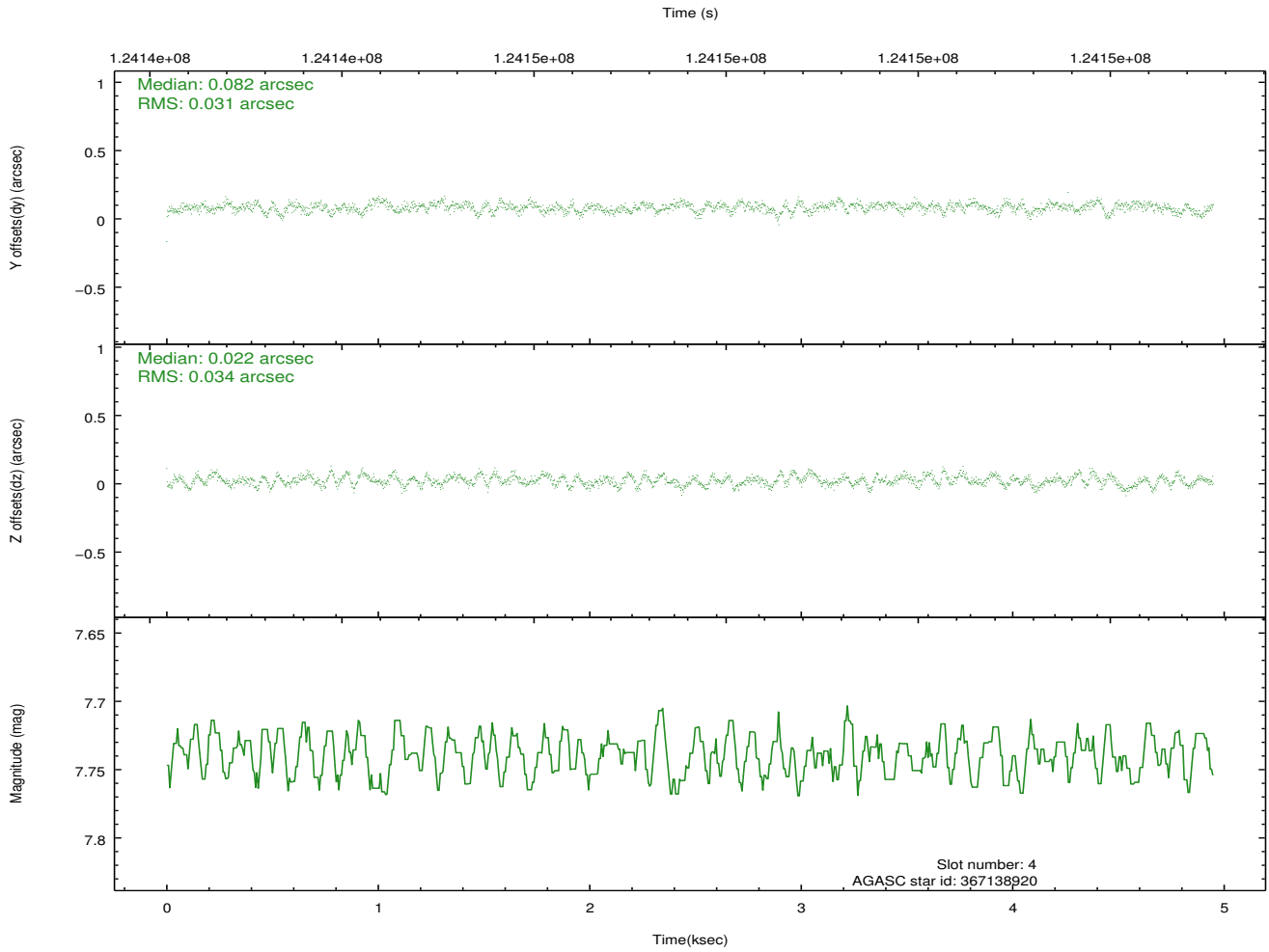
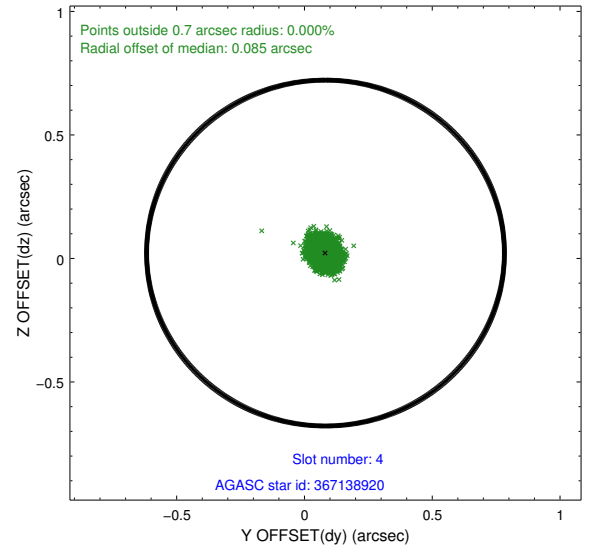
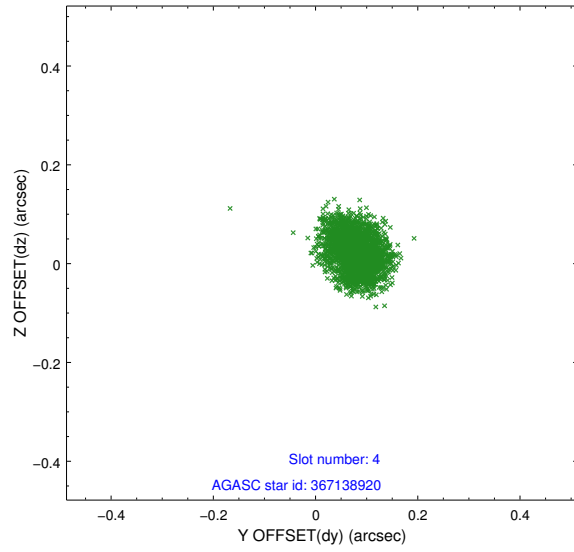
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1206	-0.048	-0.080	0.006	0.011	0.000000	0.000000	937.50	-830.01
1	FID	ACIS-I-3	7.45	1206	0.001	0.162	0.007	0.011	0.000000	0.000000	55.74	-963.68
2	FID	ACIS-I-5	7.23	1207	-0.043	-0.010	0.005	0.010	0.000000	0.000000	-1810.63	1066.84
3	GUIDE	367148872	7.23	2415	0.049	0.073	0.064	0.103	10.505940	40.688258	2241.30	-733.01
4	GUIDE	367138920	7.74	2415	0.082	0.022	0.049	0.079	11.513485	40.808909	1870.14	2023.93
5	GUIDE	367139768	8.00	2414	-0.049	-0.050	0.045	0.074	11.069715	40.685175	2291.67	806.08
6	GUIDE	367671800	9.40	2414	-0.059	0.010	0.079	0.129	10.554735	41.964935	-2348.52	-471.71
7	GUIDE	367665472	9.48	2414	-0.023	-0.056	0.081	0.130	10.241611	41.730843	-1532.93	-1336.64

2.4 Star Slots

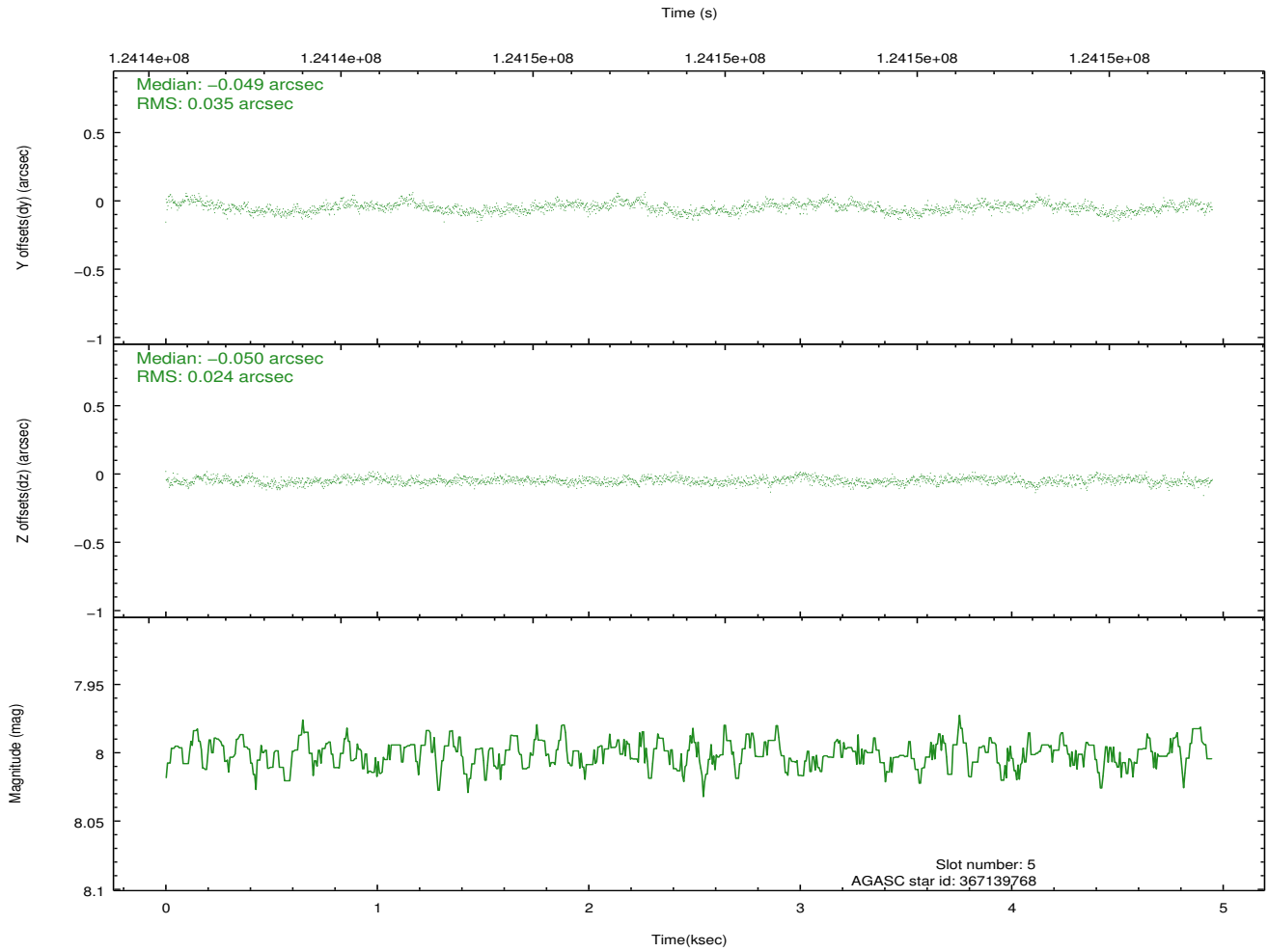
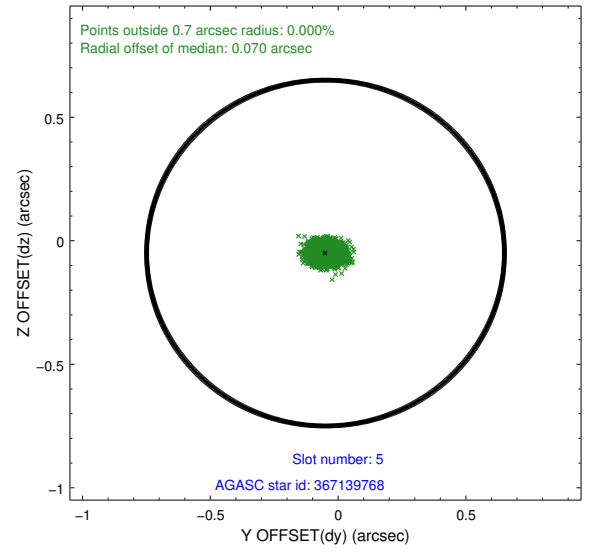
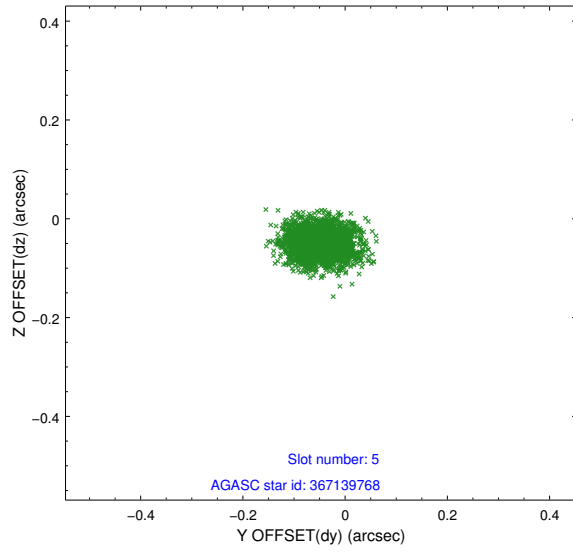
2.4.1 Slot 3



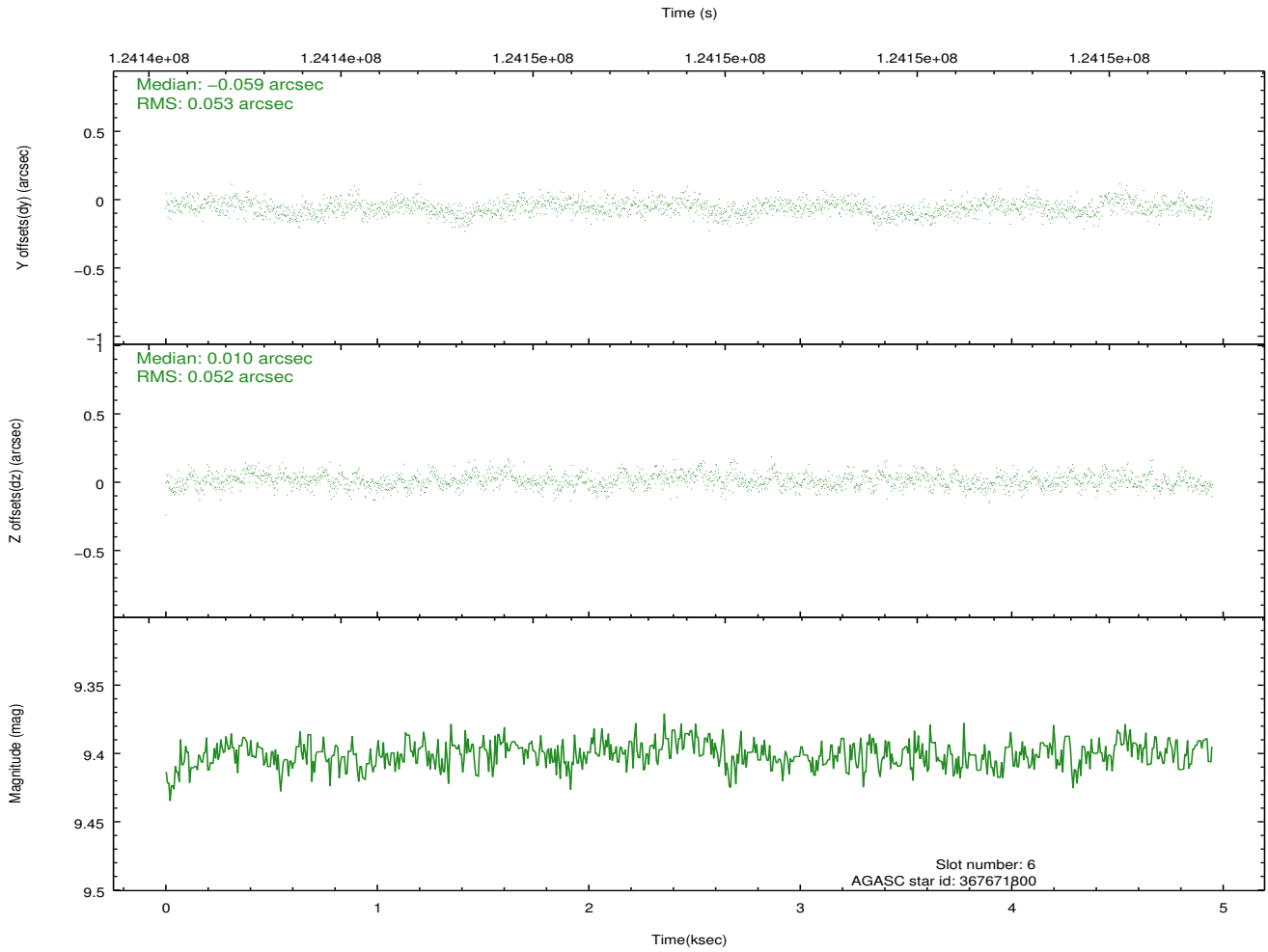
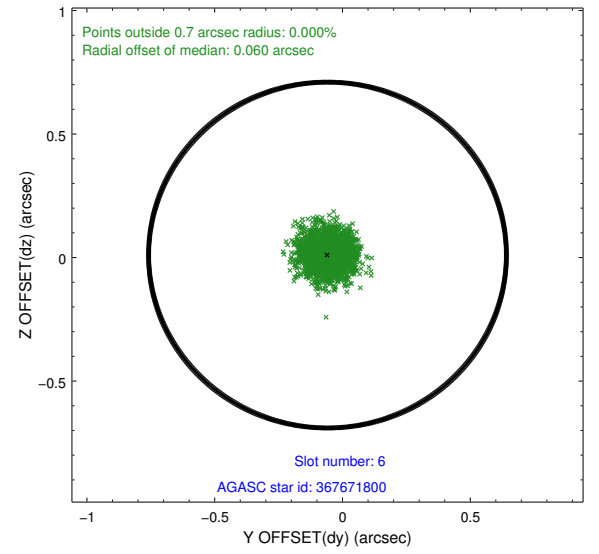
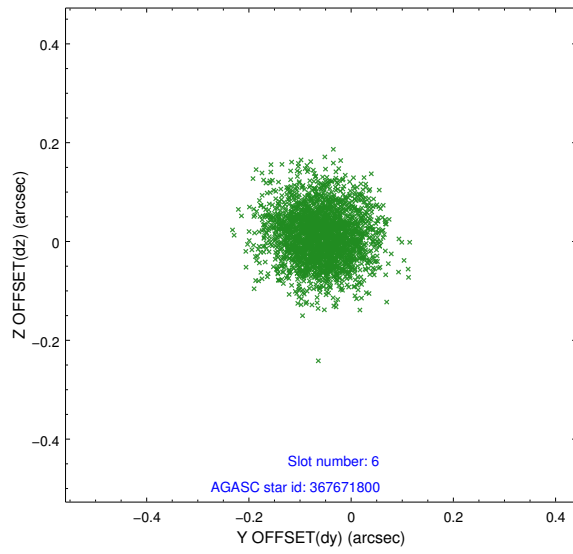
2.4.2 Slot 4



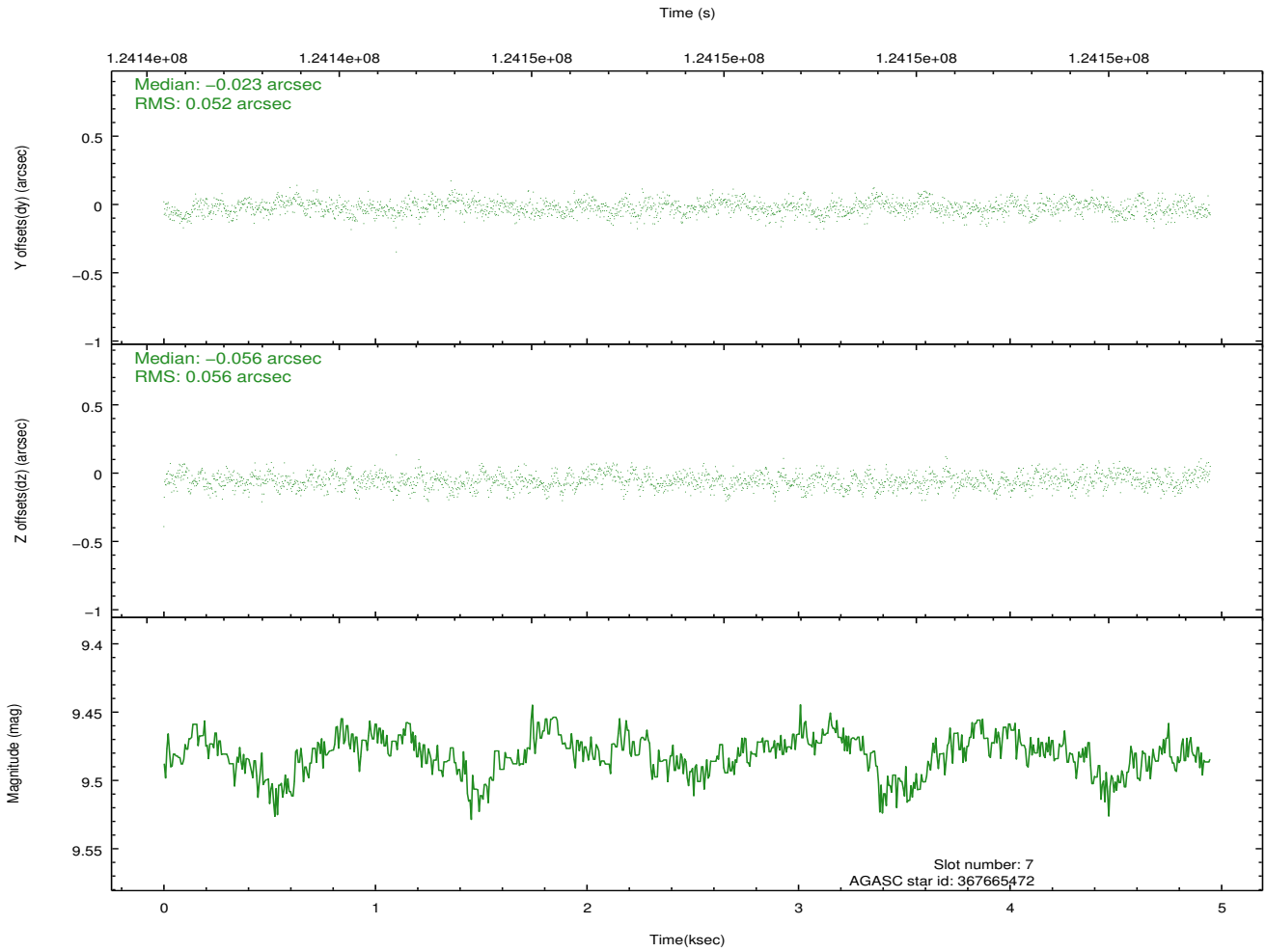
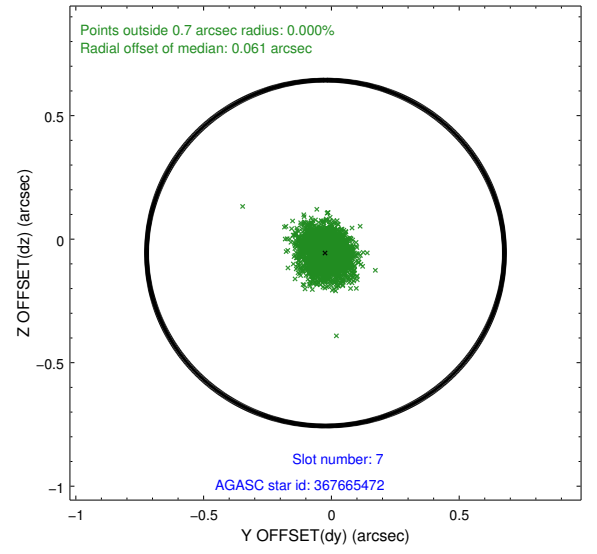
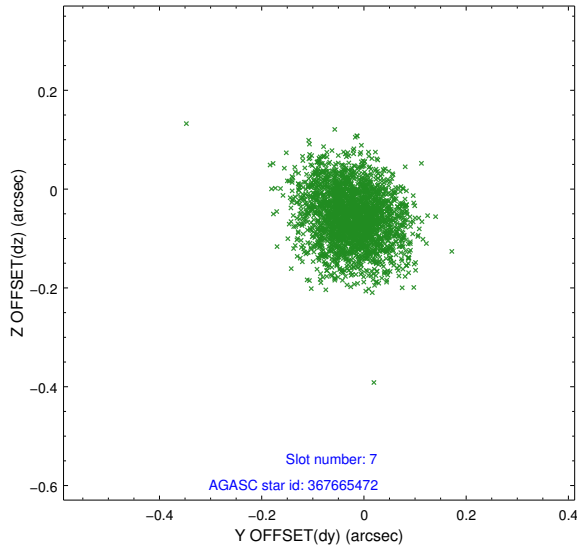
2.4.3 Slot 5



2.4.4 Slot 6

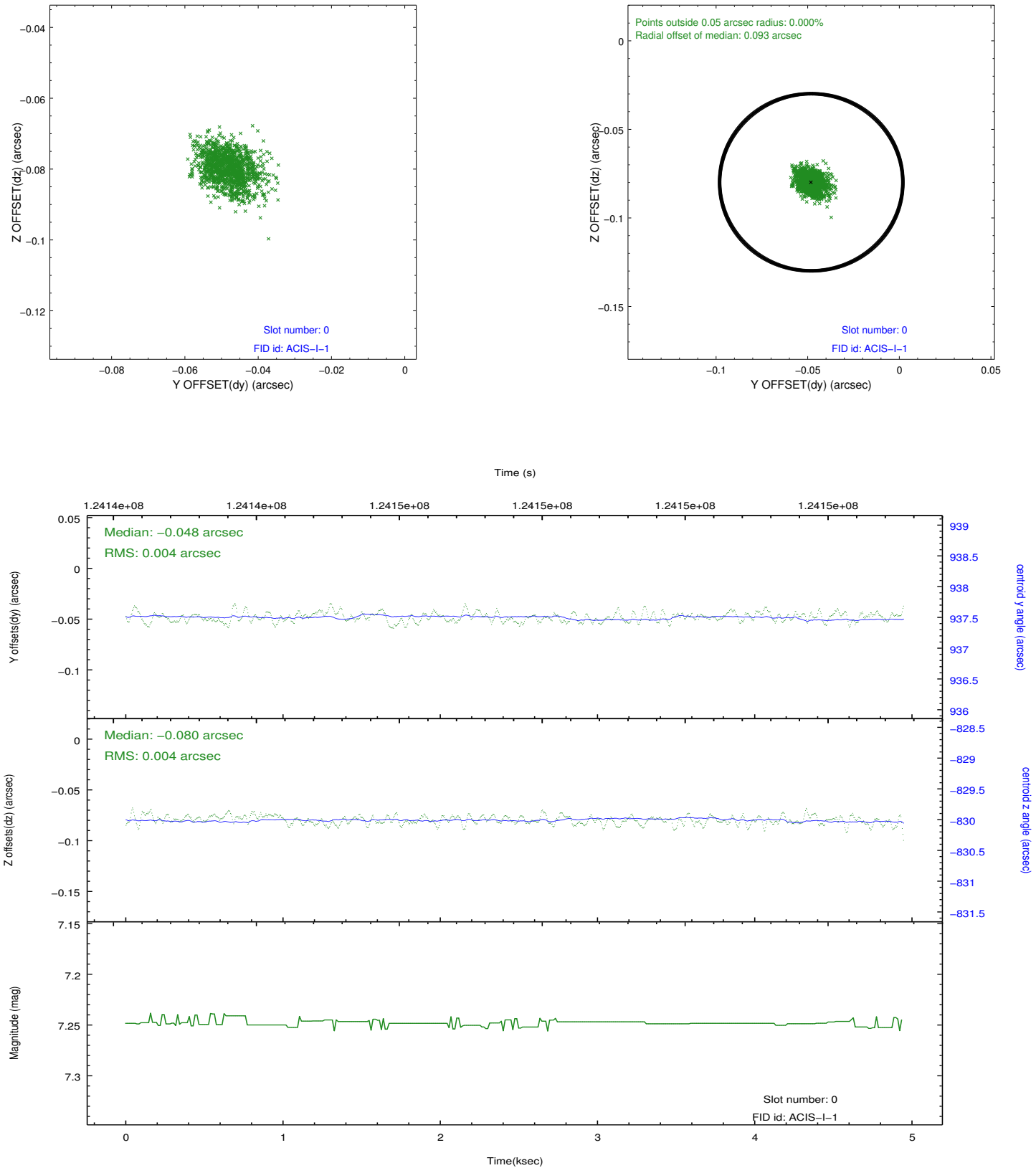


2.4.5 Slot 7

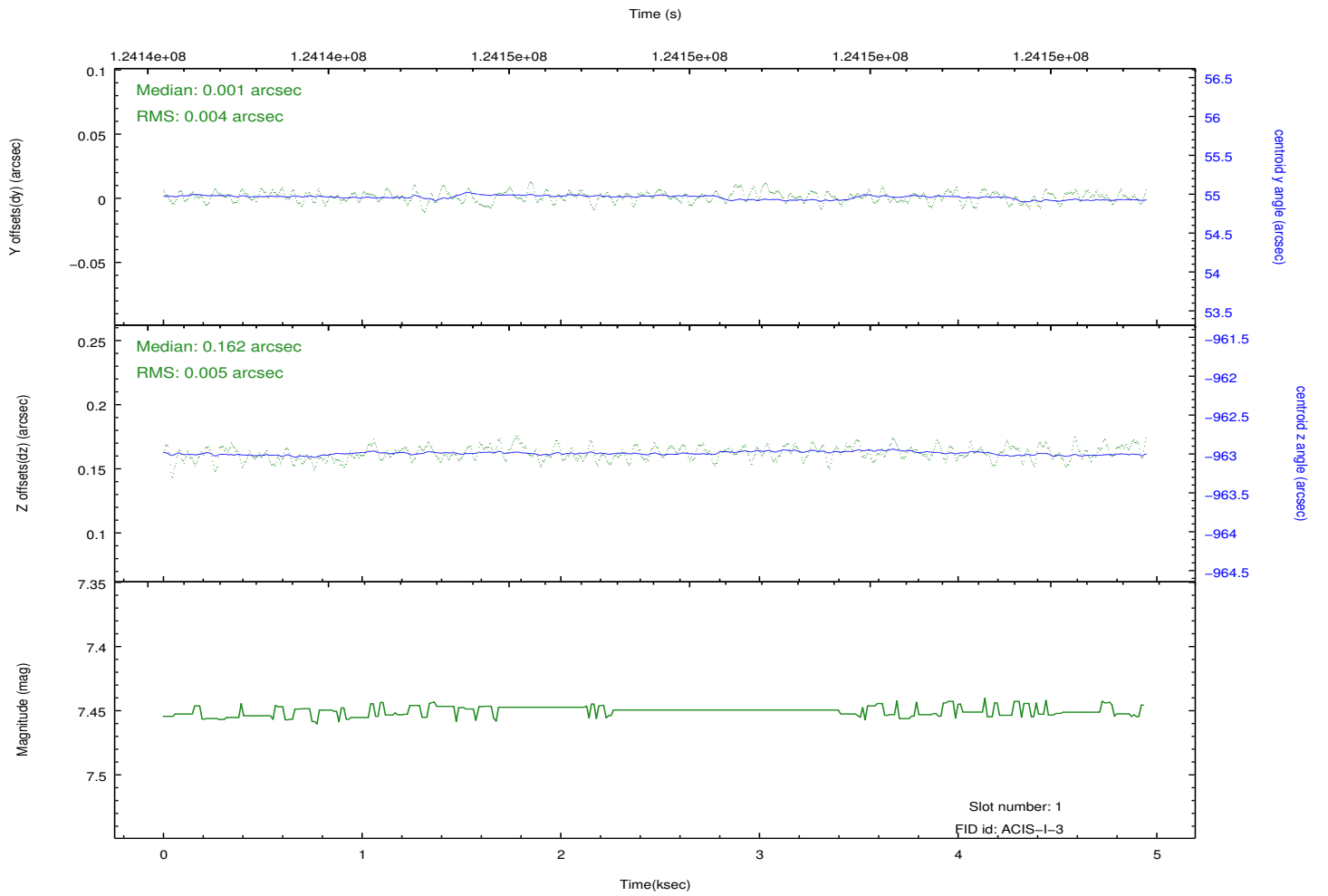
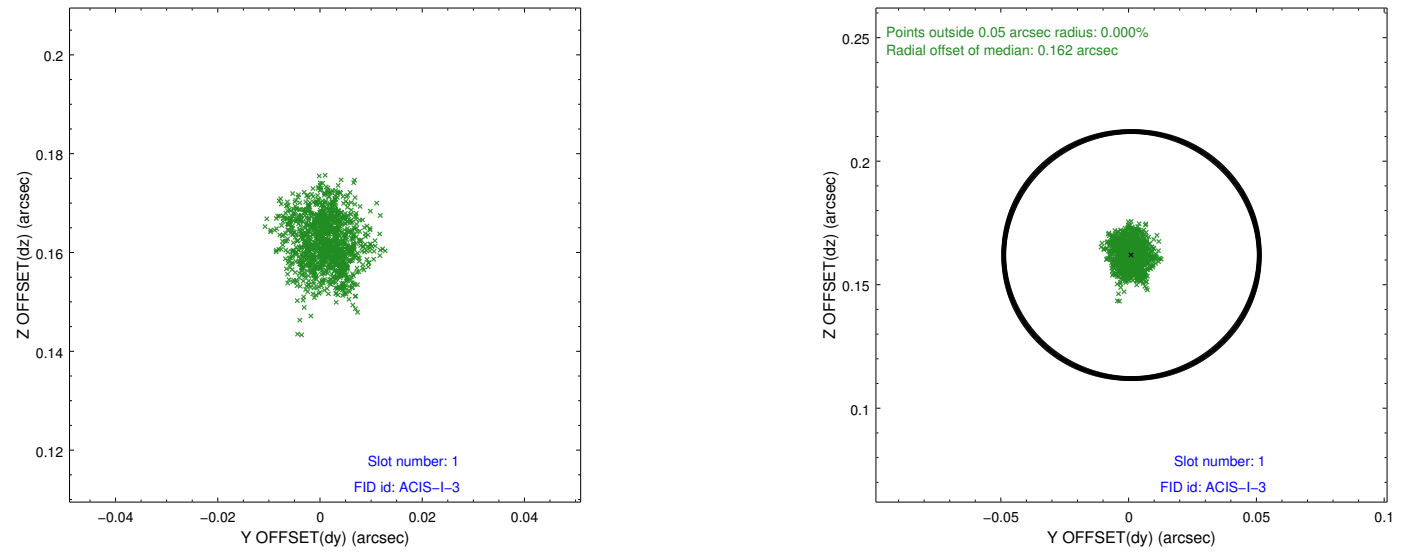


2.5 FID Slots

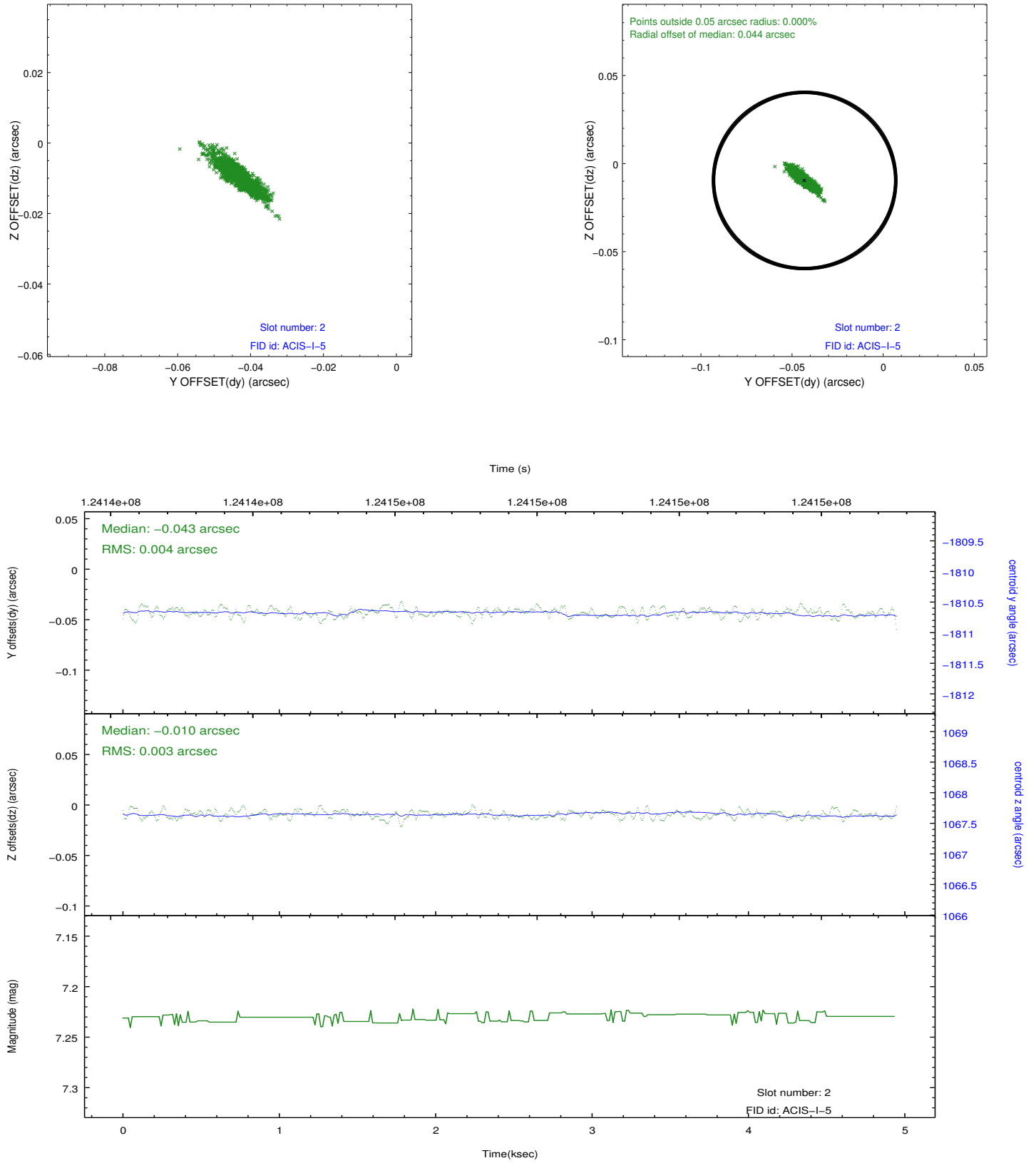
2.5.1 Slot 0



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)	2012.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.944

A.2 Comments

Window constraint met.