

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2808 - L2 Version 3
Chandra X-Ray Center

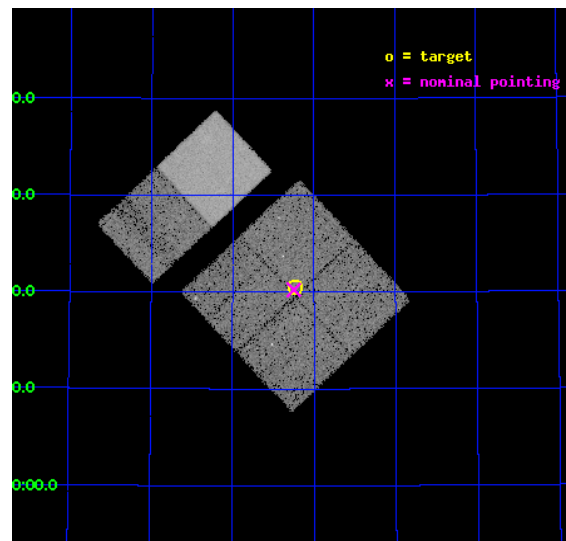
L2 Processing Date : Sep 29 2012

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

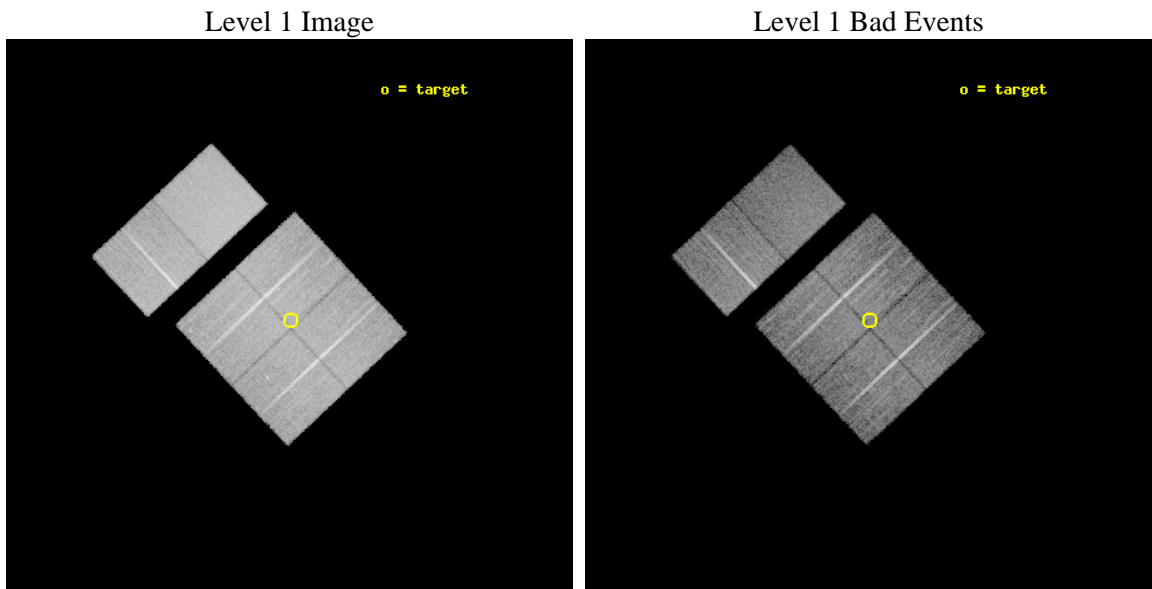
seq_num	500258	Sequence number
obs_id	2808	Observation id
title	A CHANDRA SURVEY FOR COMPACT OBJECTS IN SUPERNOVA REMNANTS	Proposa
observer	Prof. Shrinivas Kulkarni	Principal investigator
object	G093.3+6.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	313.058333	Observer's specified target RA [deg]
dec_targ	55.341667	Observer's specified target Dec [deg]
ra_nom	313.06168796511	Nominal RA [deg]
dec_nom	55.337370595311	Nominal Dec [deg]
roll_nom	316.90205202741	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16630.400015473	Sum of GTIs [s]
livetime	16419.815876853	Livetime [s]
ontime0	16630.400015473	Sum of GTIs [s]
ontime1	16630.400015473	Sum of GTIs [s]
ontime2	16630.400015473	Sum of GTIs [s]
ontime3	16630.400015473	Sum of GTIs [s]
ontime6	16630.400015473	Sum of GTIs [s]
ontime7	16630.400015473	Sum of GTIs [s]
l2events	122569	Number of level 2 events



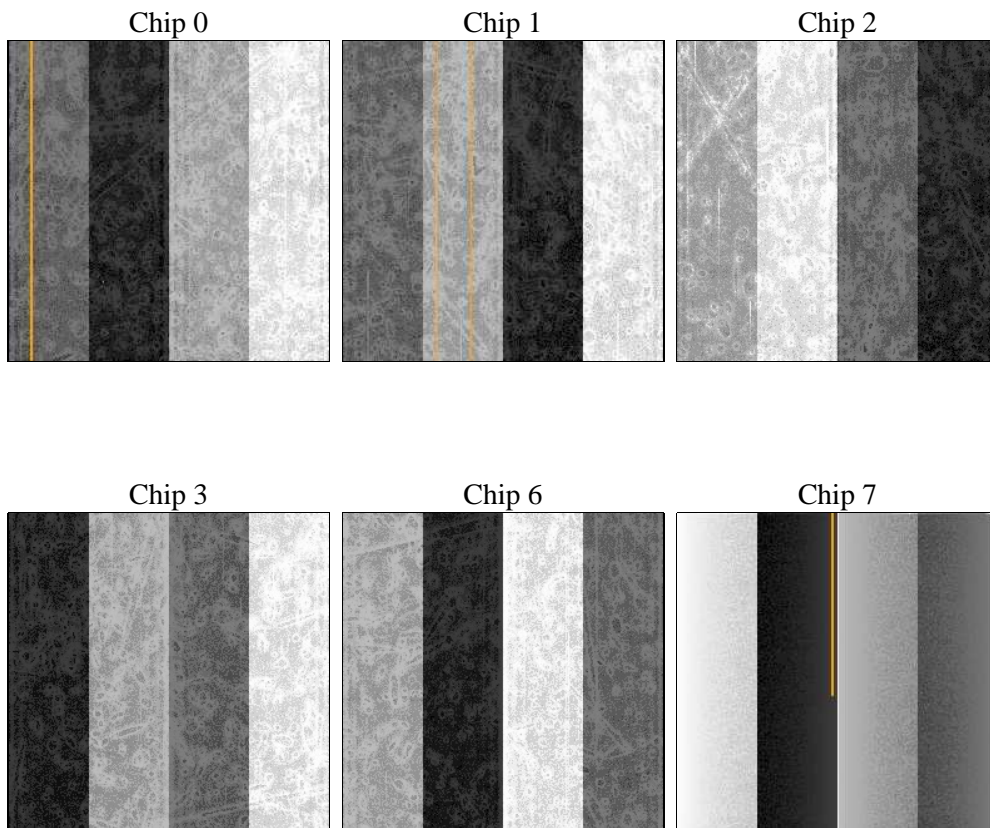
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16875.020000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16630.400015473	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	16630.400015473	Sum of GTIs [s]
date	2012-09-29T02:47:35	Date and time of file creation	ontime1	16630.400015473	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	16630.400015473	Sum of GTIs [s]
			ontime3	16630.400015473	Sum of GTIs [s]
			ontime6	16630.400015473	Sum of GTIs [s]
			ontime7	16630.400015473	Sum of GTIs [s]
			l1events	680126	Number of level 1 events

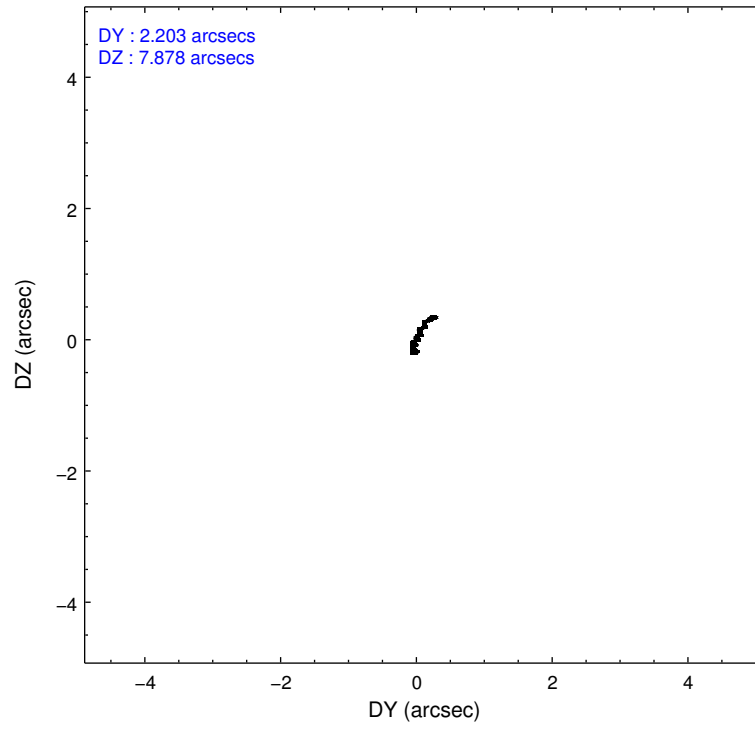
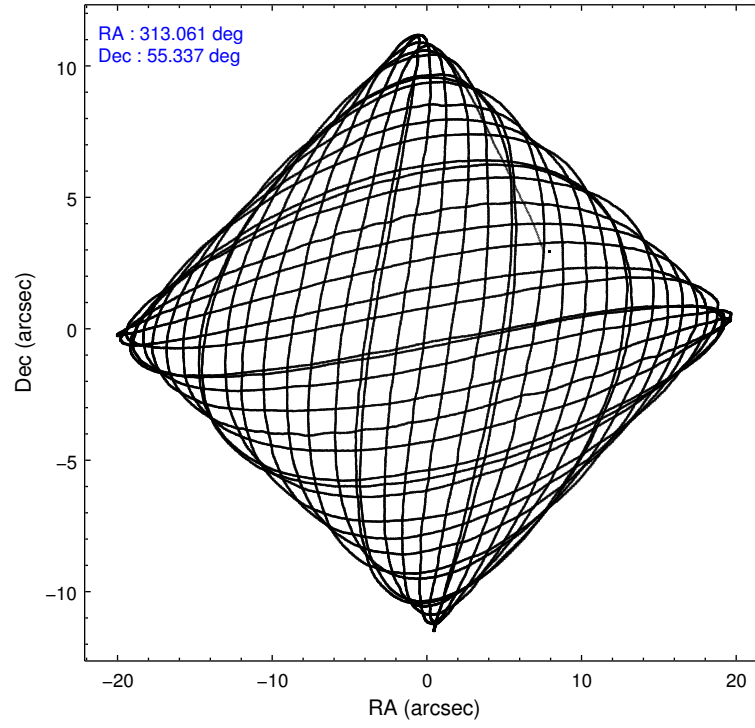
2.1.4 Events

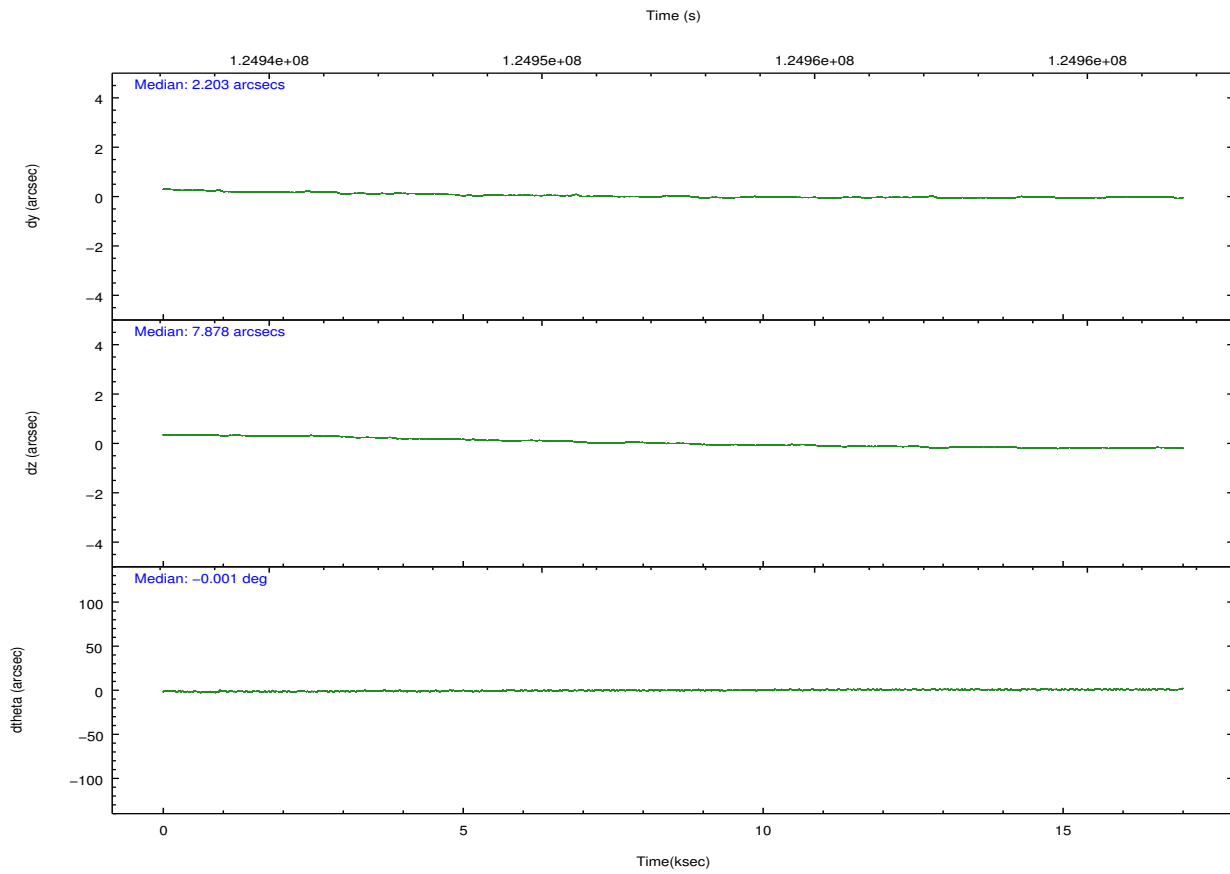
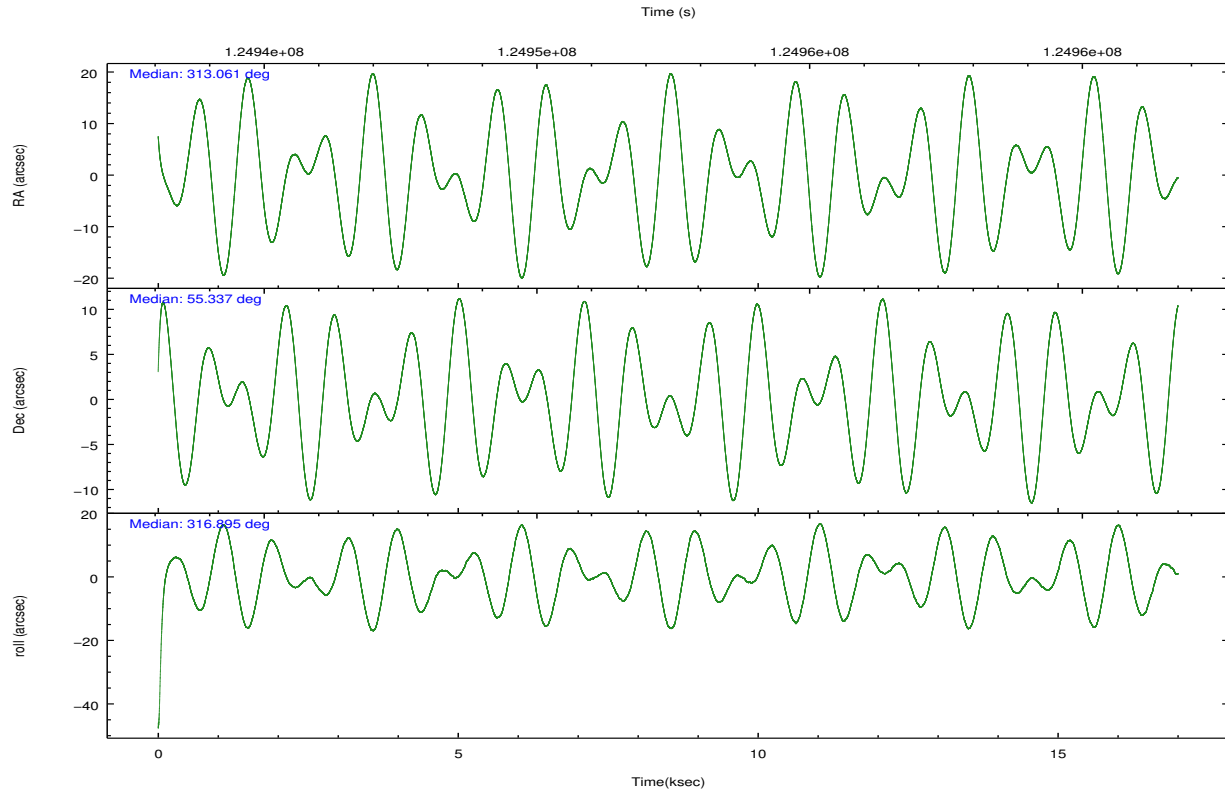
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	101950	102010	111086	110749	114729	139602	grade 0 events	6898	6260	6830	6629	5826	5619
rejected events	86261	86618	95926	95662	100069	80859		6%	6%	6%	5%	5%	4%
rejected %	84%	84%	86%	86%	87%	57%	grade 1 events	62	62	54	61	48	156
								0%	0%	0%	0%	0%	0%
							grade 2 events	3512	3468	3354	3322	3404	11682
								3%	3%	3%	2%	2%	8%
							grade 3 events	1234	1361	1175	1231	1258	5385
								1%	1%	1%	1%	1%	3%
							grade 4 events	1245	1368	1216	1192	1291	5276
								1%	1%	1%	1%	1%	3%
							grade 5 events	3848	4171	3734	4208	4687	13288
								3%	4%	3%	3%	4%	9%
							grade 6 events	2802	2938	2588	2718	2881	30798
								2%	2%	2%	2%	2%	22%
							grade 7 events	82349	82382	92135	91388	95334	67398
								80%	80%	82%	82%	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	313.014696	313.0616879651071	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.343515	55.33737059531069	Alternating exposures requested	N	N
[deg] Pointing Roll	316.732050	316.9020520274071	[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)	124944026.184000	124943085.68521			
Observation start date	2001-12-17T02:39:22	2001-12-17T02:24:45			
[s] Observation end time (MET)	124960901.184000	124961215.88594			
Observation end date	2001-12-17T07:20:37	2001-12-17T07:26:55			
Read mode	TIMED	TIMED			

2.3 Aspect



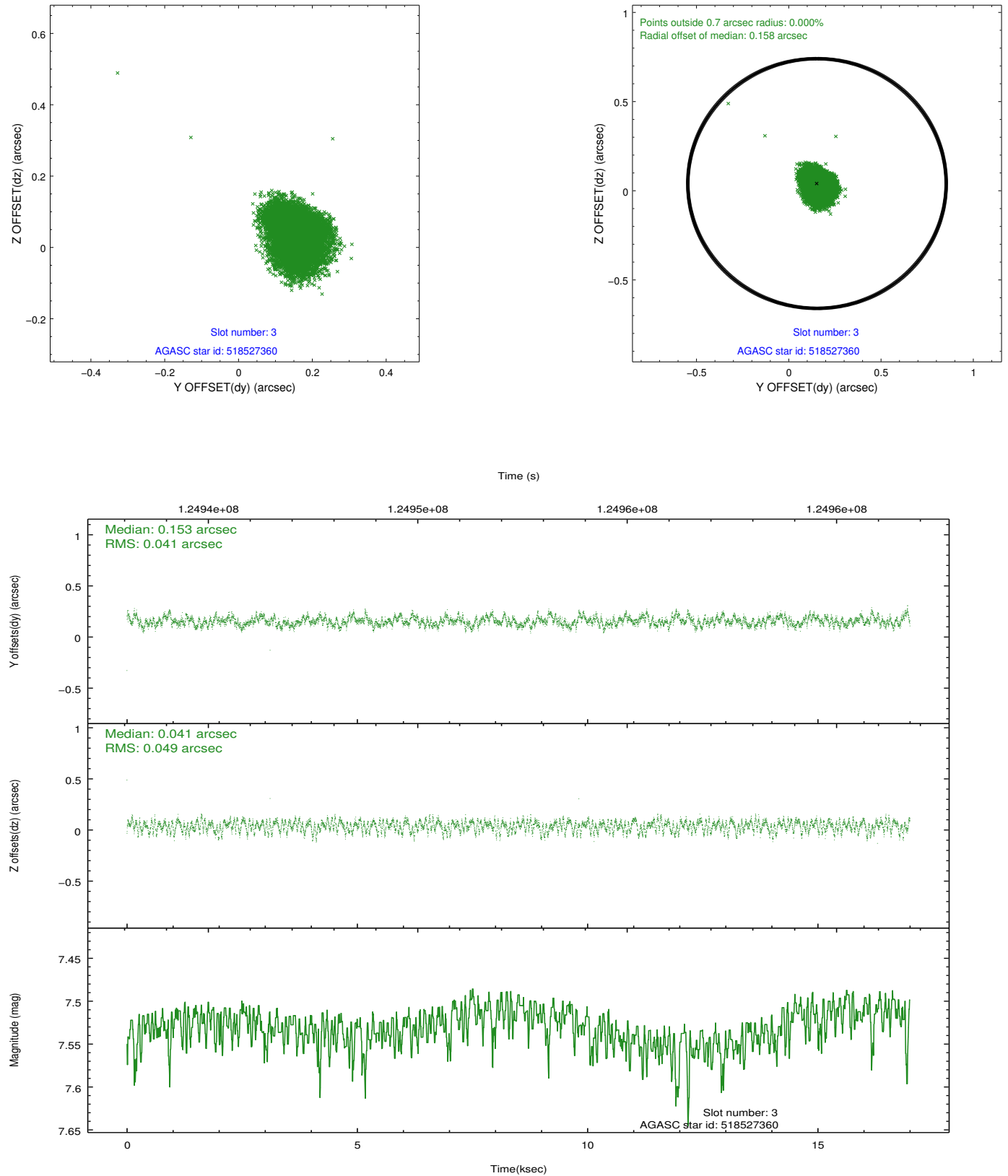


Slot Statistics

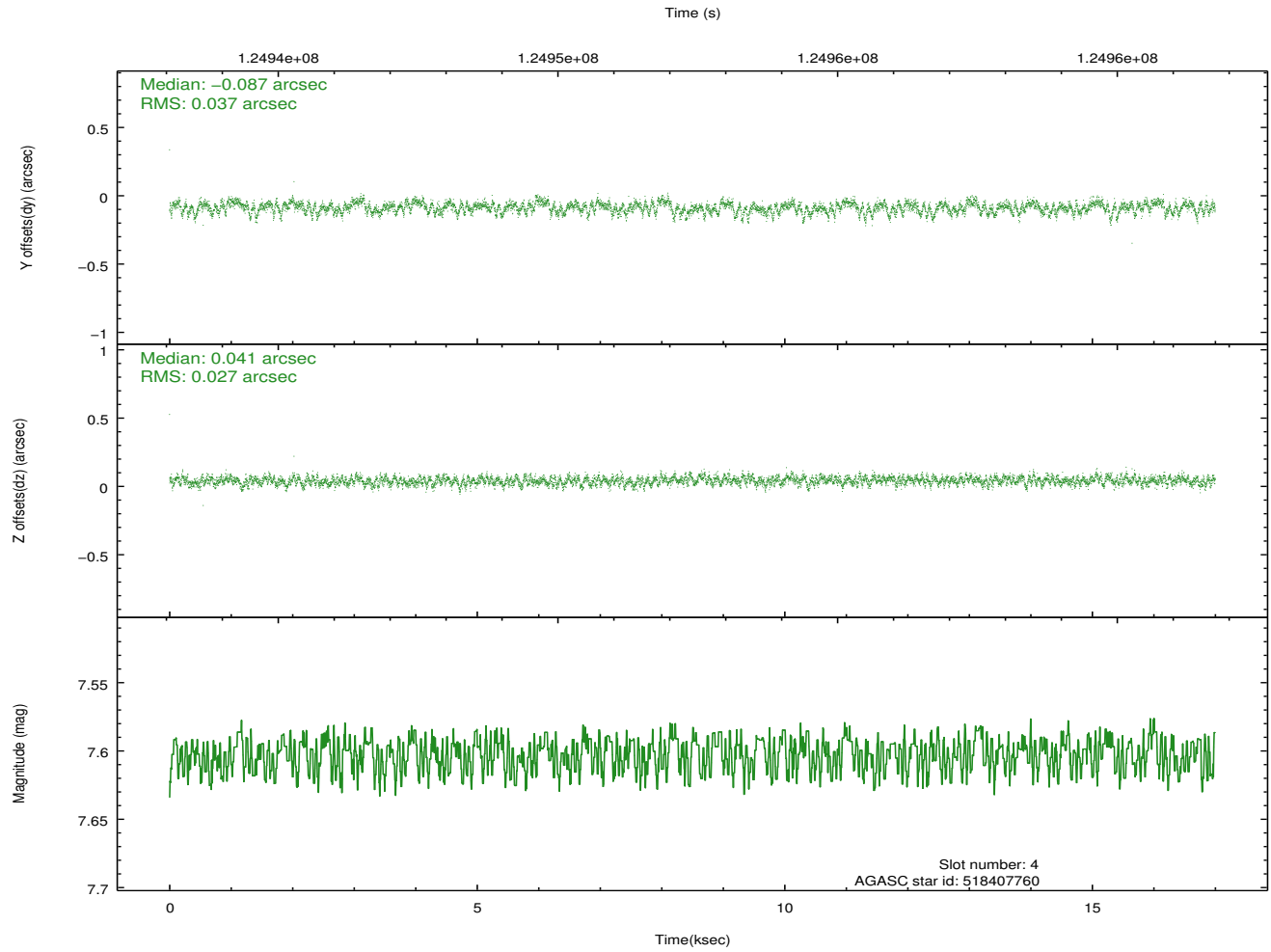
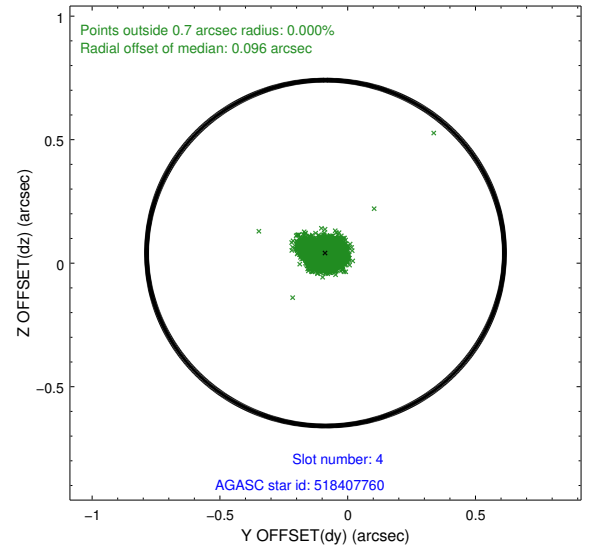
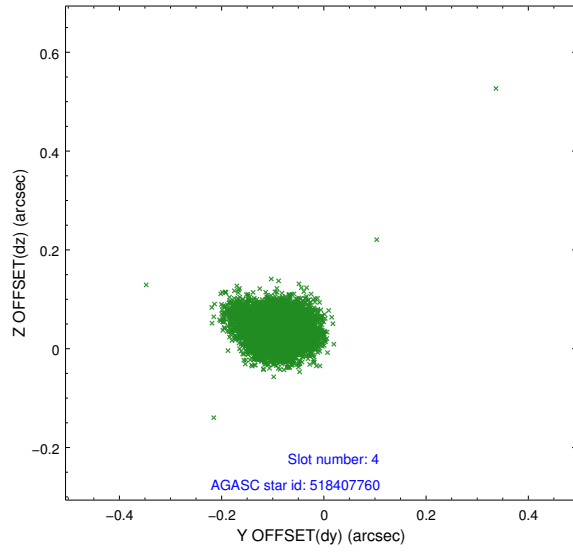
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4145	-0.031	0.064	0.010	0.016	0.000000	0.000000	937.52	-831.28
1	FID	ACIS-I-5	7.24	4144	-0.017	0.037	0.007	0.012	0.000000	0.000000	-1810.40	1066.10
2	FID	ACIS-I-6	7.26	4147	-0.043	-0.031	0.008	0.013	0.000000	0.000000	402.83	1710.78
3	GUIDE	518527360	7.53	8292	0.153	0.041	0.069	0.107	314.452532	55.487667	1759.46	2411.05
4	GUIDE	518407760	7.60	8288	-0.087	0.041	0.048	0.079	313.102071	54.641204	1866.42	-1714.96
5	GUIDE	518399328	8.57	8289	-0.001	0.041	0.058	0.093	311.885407	55.569616	-2243.41	-968.91
6	GUIDE	518532320	8.57	8287	-0.118	-0.074	0.062	0.097	313.414470	55.961125	-939.00	2173.28
7	GUIDE	518406888	9.18	8287	0.053	-0.042	0.081	0.129	311.938121	55.277978	-1456.62	-1671.66

2.4 Star Slots

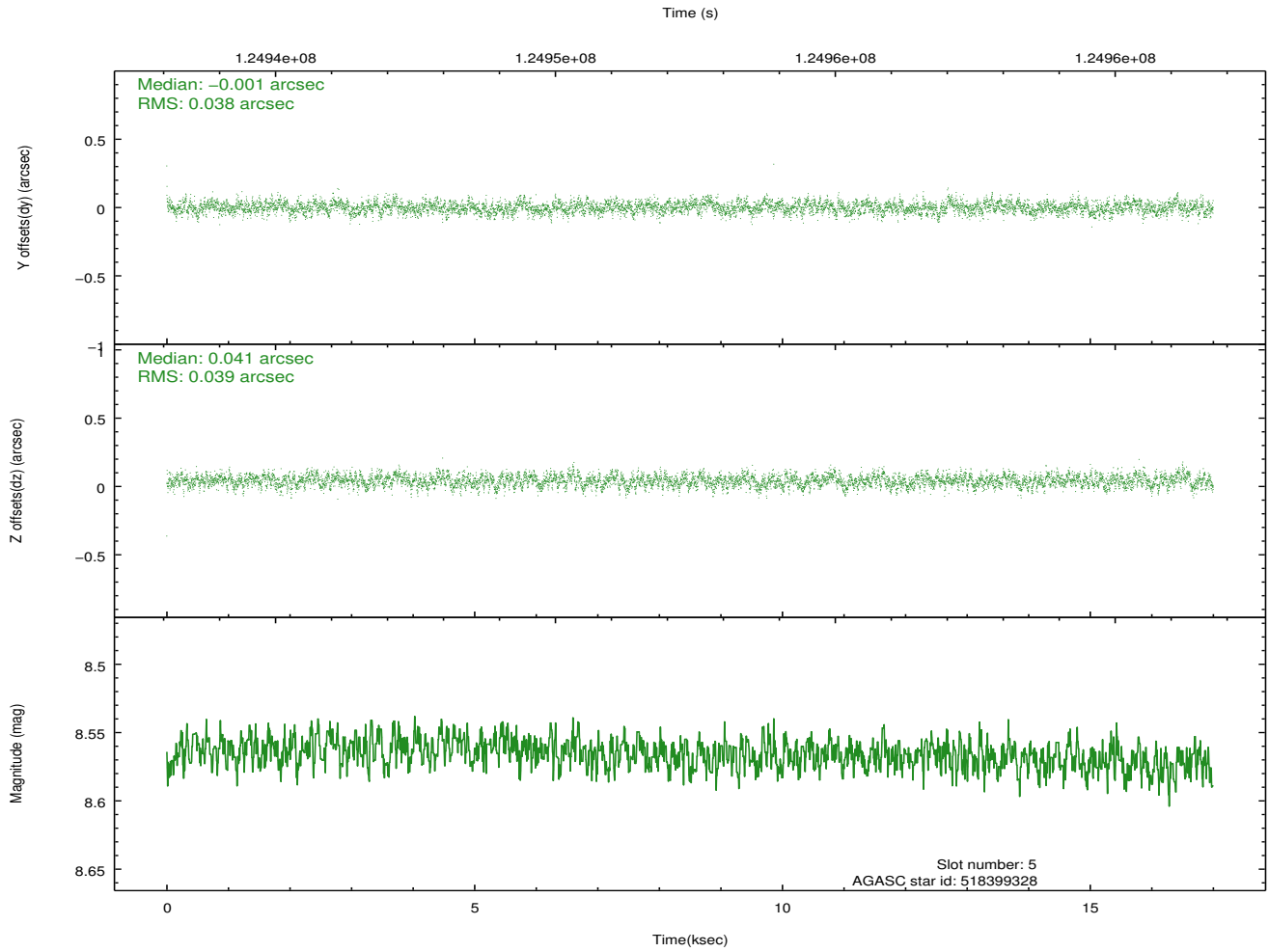
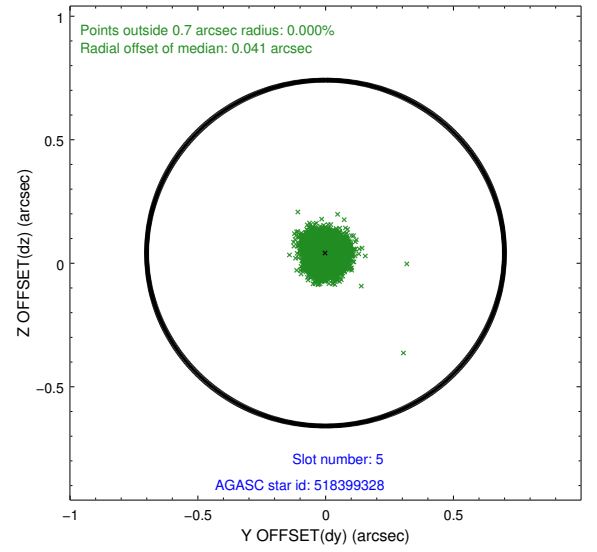
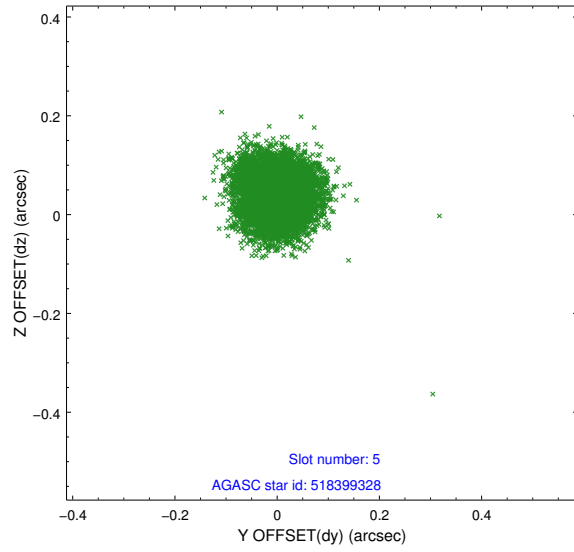
2.4.1 Slot 3



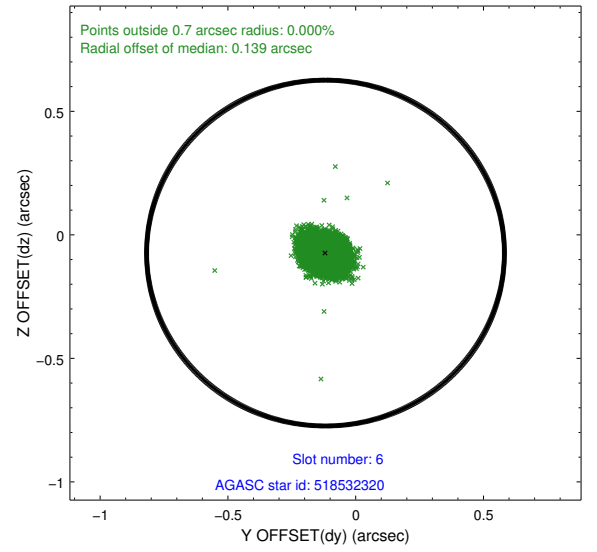
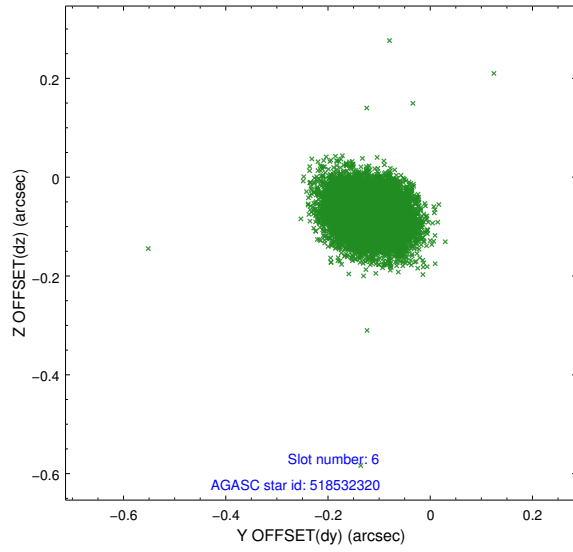
2.4.2 Slot 4



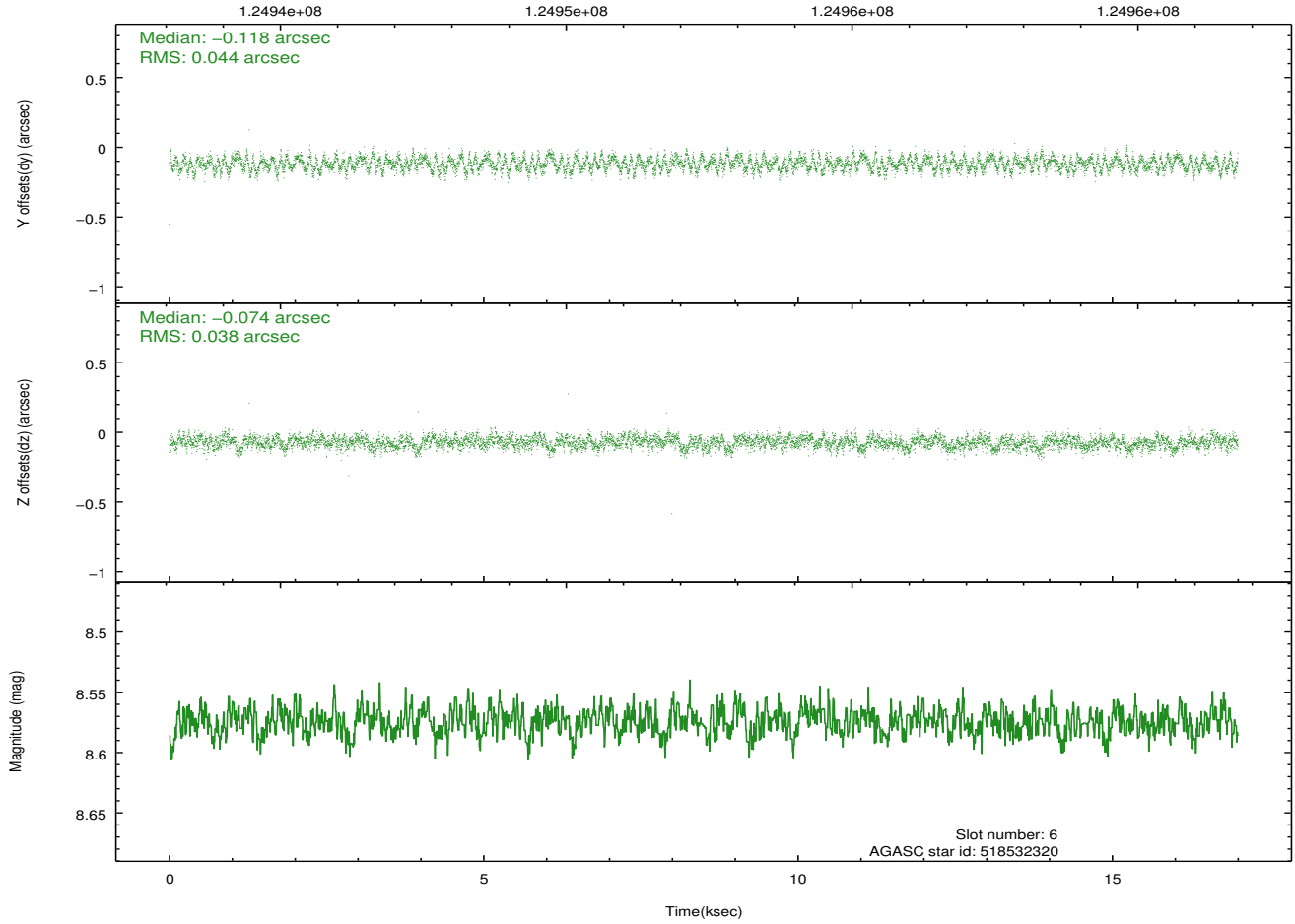
2.4.3 Slot 5



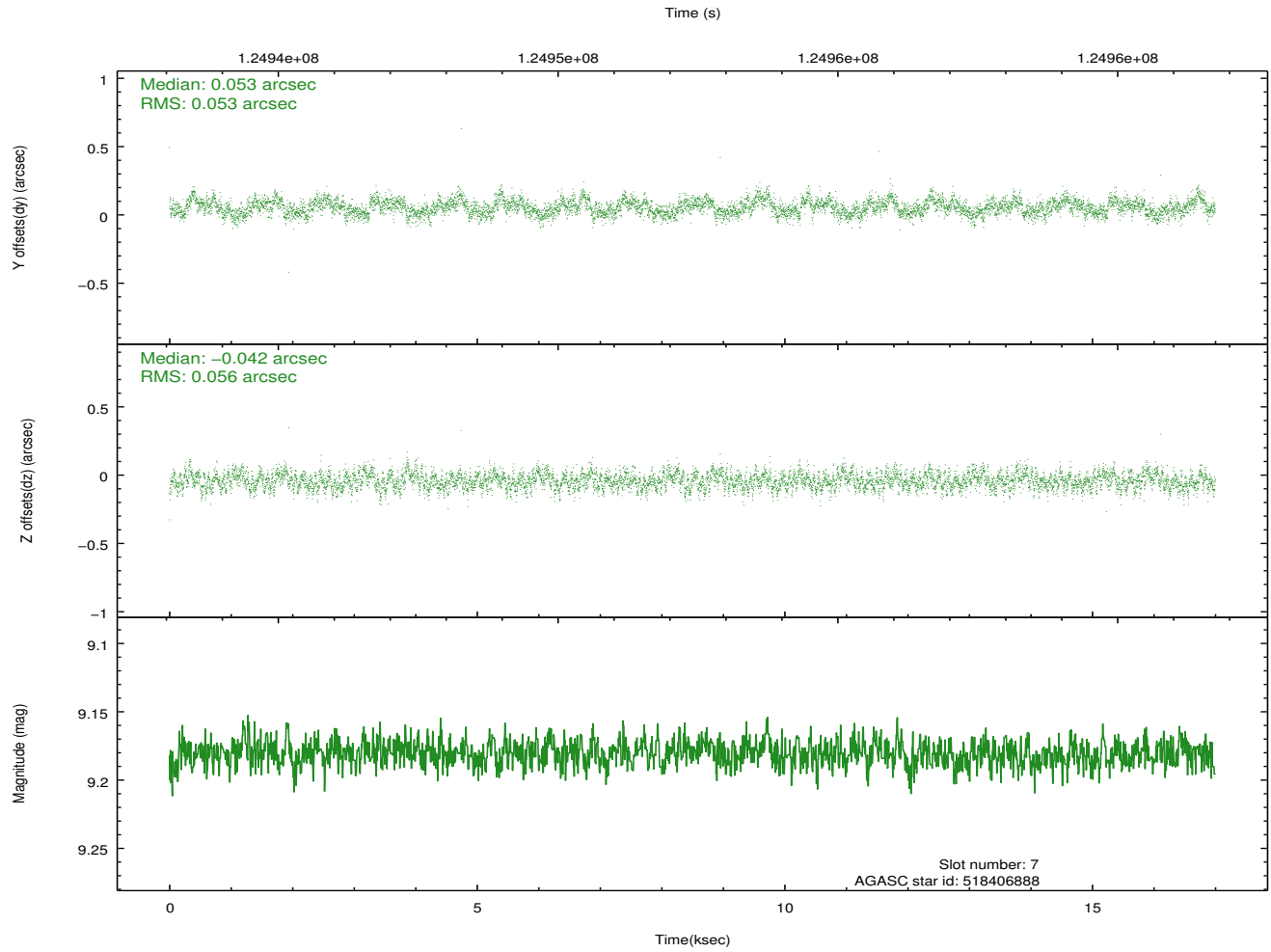
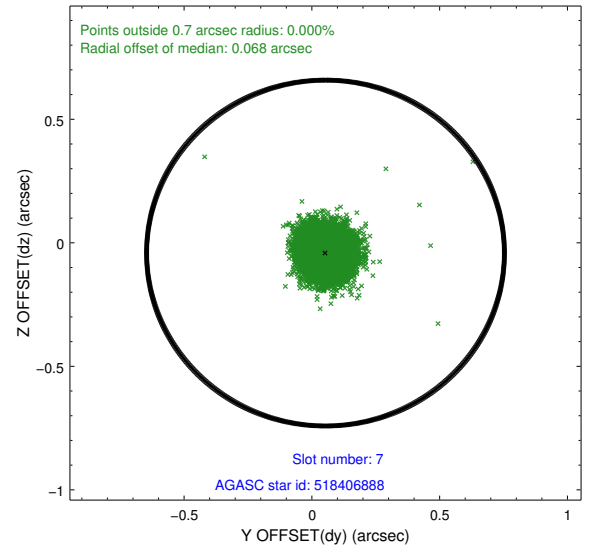
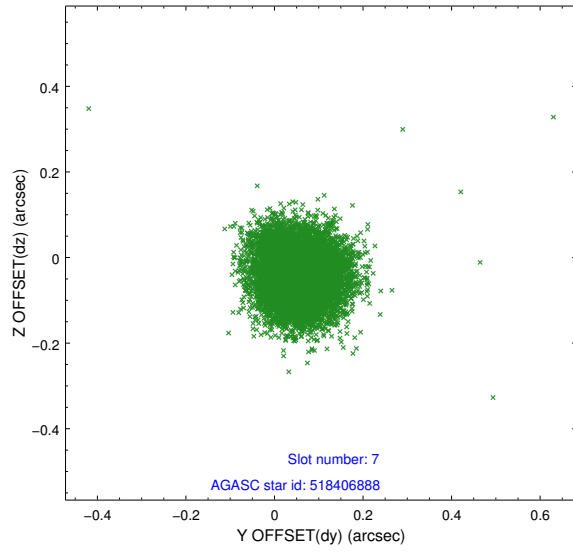
2.4.4 Slot 6



Time (s)

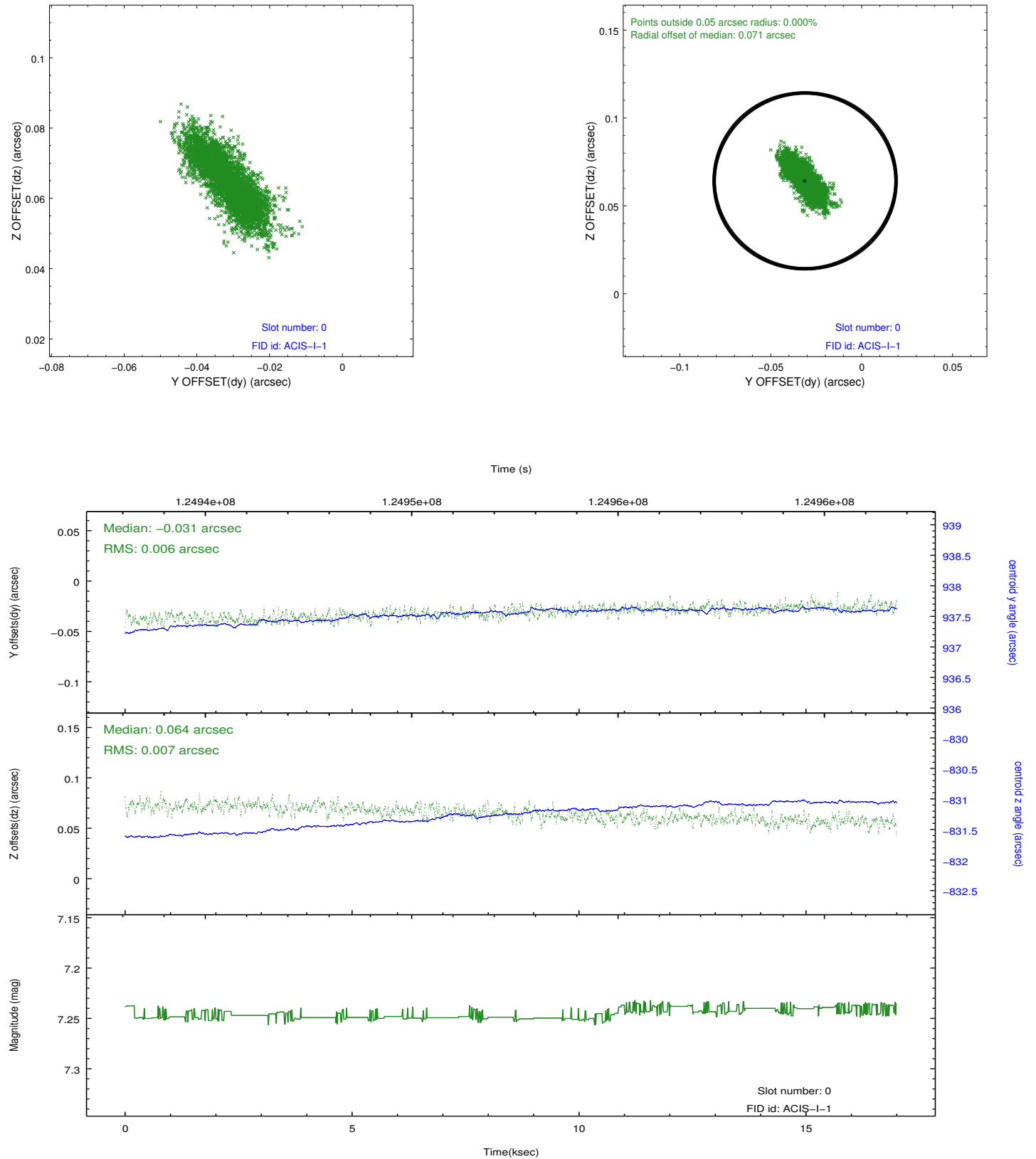


2.4.5 Slot 7

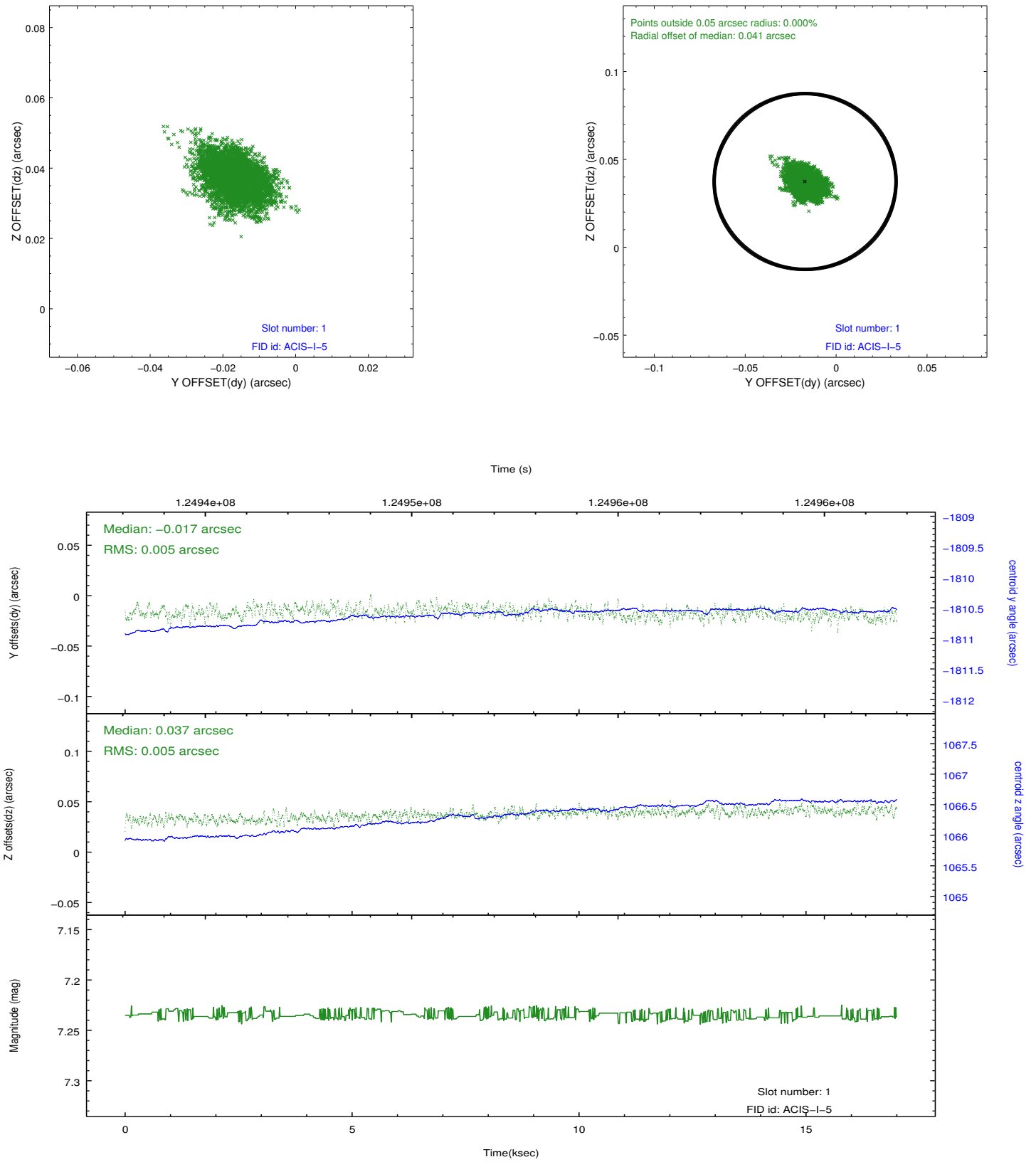


2.5 FID Slots

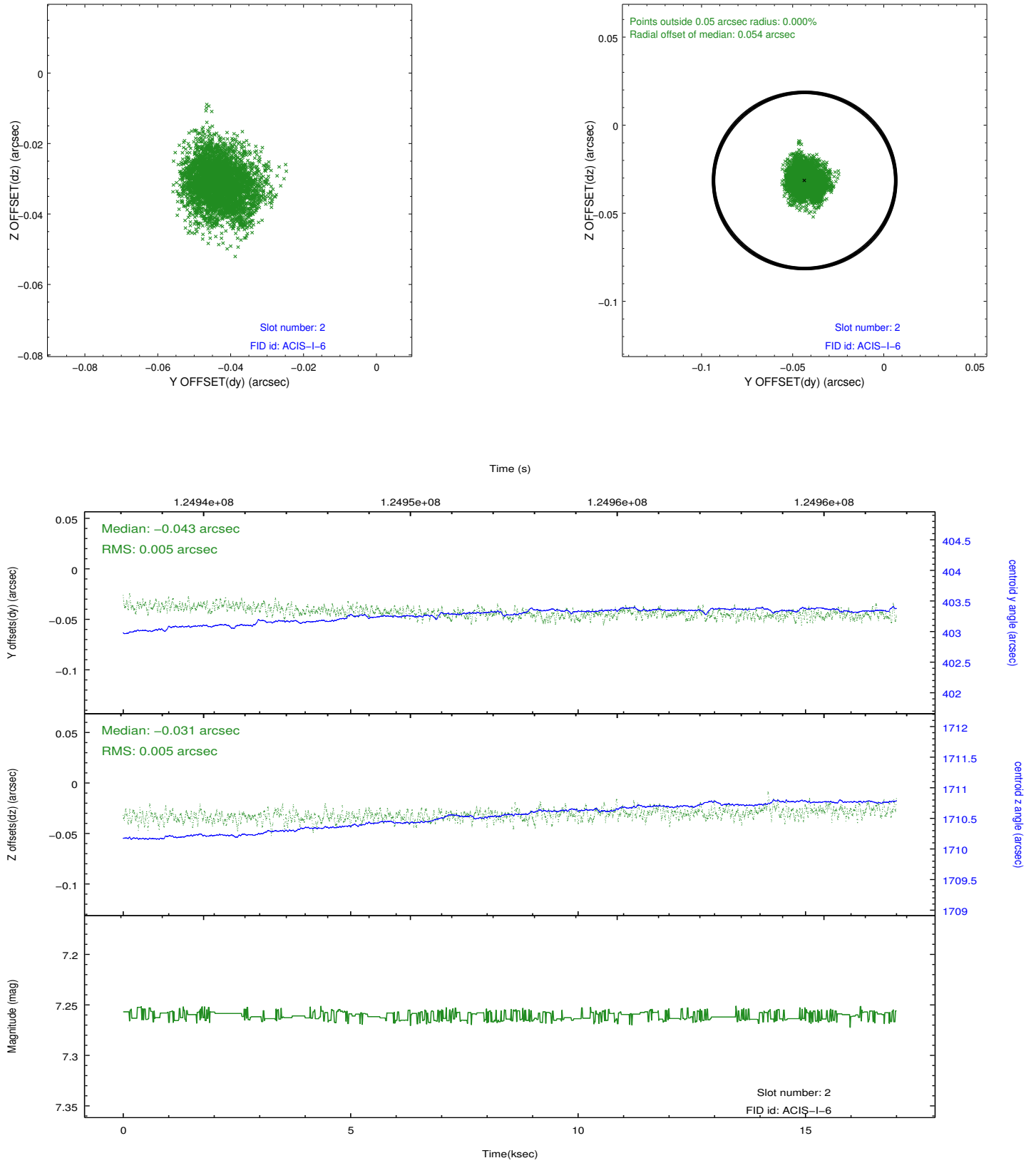
2.5.1 Slot 0



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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.633

A.2 Comments