

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5864 - L2 Version 2
Chandra X-Ray Center

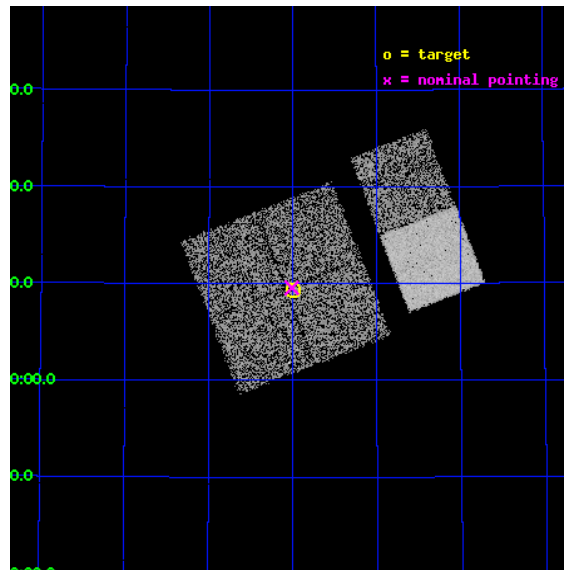
L2 Processing Date : Mar 24 2012

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

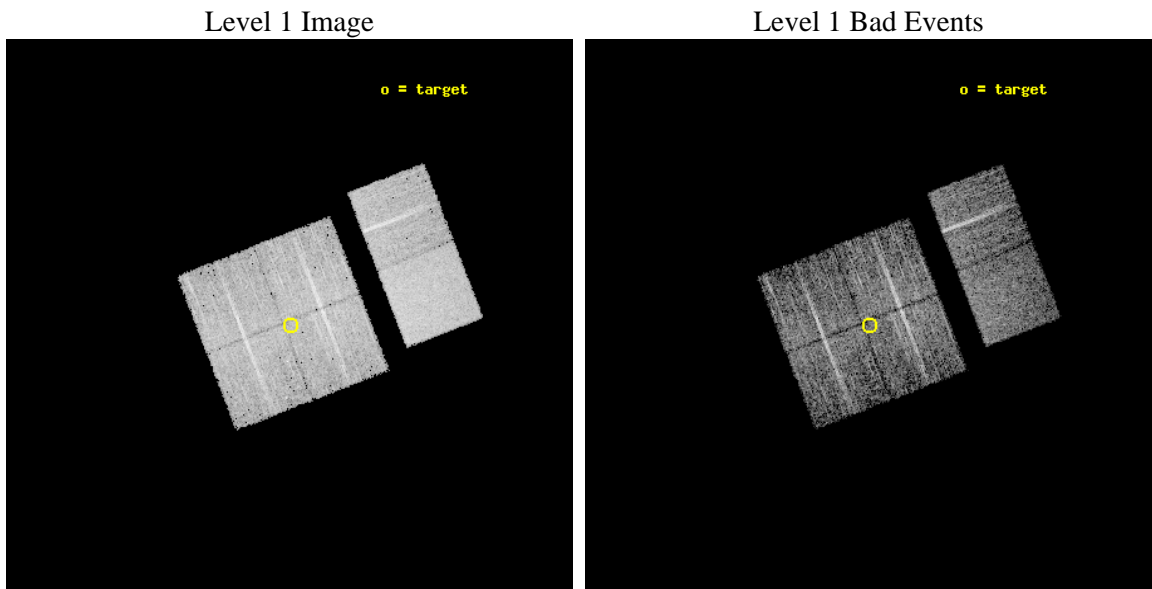
seq_num	900364	Sequence number
obs_id	5864	Observation id
title	The Spectral Energy Distributions of AGN: A Shallow Survey of the ELAIS-N1 Field	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	N1_10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.247083	Observer's specified target RA [deg]
dec_targ	54.156194	Observer's specified target Dec [deg]
ra_nom	242.25252995169	Nominal RA [deg]
dec_nom	54.159520683455	Nominal Dec [deg]
roll_nom	68.799205049103	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.959011972	Sum of GTIs [s]
livetime	4691.7868456762	Livetime [s]
ontime0	4751.959002018	Sum of GTIs [s]
ontime1	4755.1999822855	Sum of GTIs [s]
ontime2	4755.1999822855	Sum of GTIs [s]
ontime3	4751.959011972	Sum of GTIs [s]
ontime6	4755.1999822855	Sum of GTIs [s]
ontime7	4755.1999822855	Sum of GTIs [s]
l2events	42660	Number of level 2 events



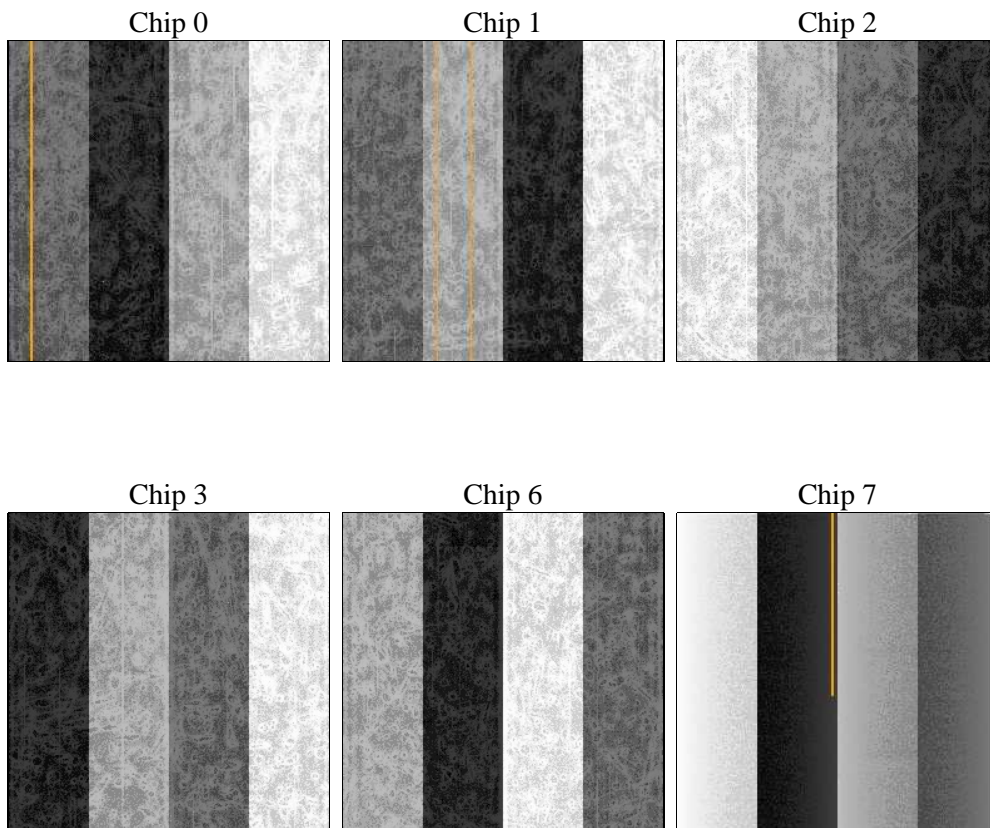
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4751.959011972	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	4751.959002018	Sum of GTIs [s]
date	2012-03-24T23:31:19	Date and time of file creation	ontime1	4755.1999822855	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4755.1999822855	Sum of GTIs [s]
			ontime3	4751.959011972	Sum of GTIs [s]
			ontime6	4755.1999822855	Sum of GTIs [s]
			ontime7	4755.1999822855	Sum of GTIs [s]
			l1events	248252	Number of level 1 events

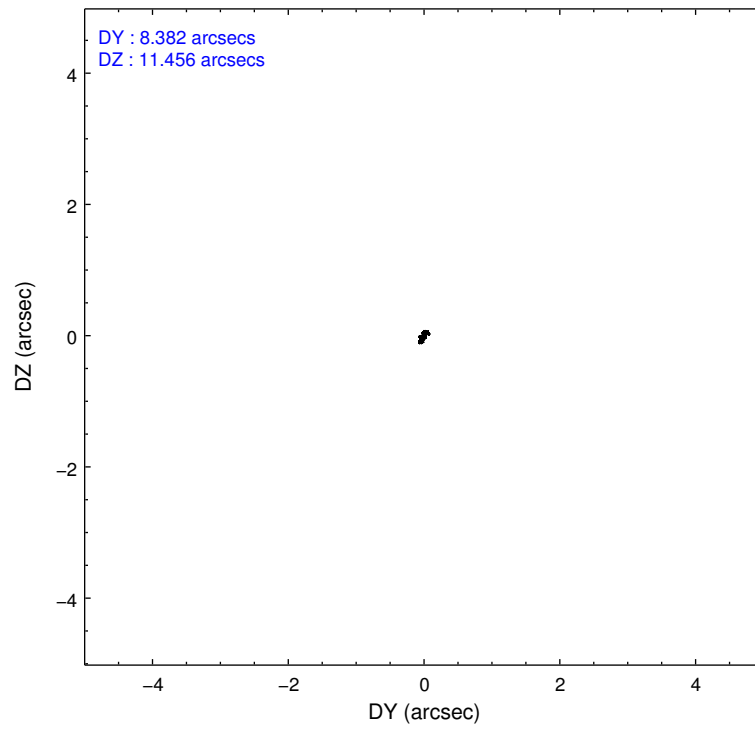
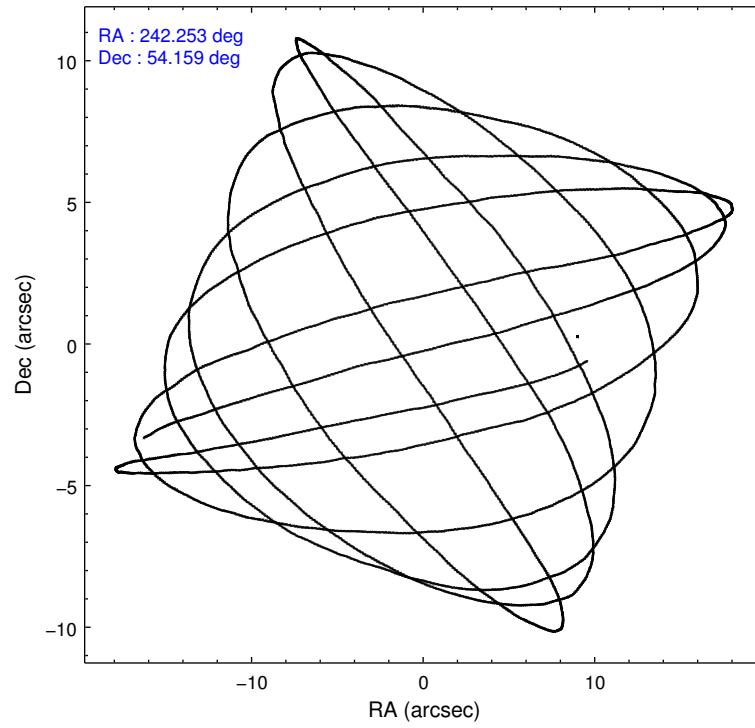
2.1.4 Events

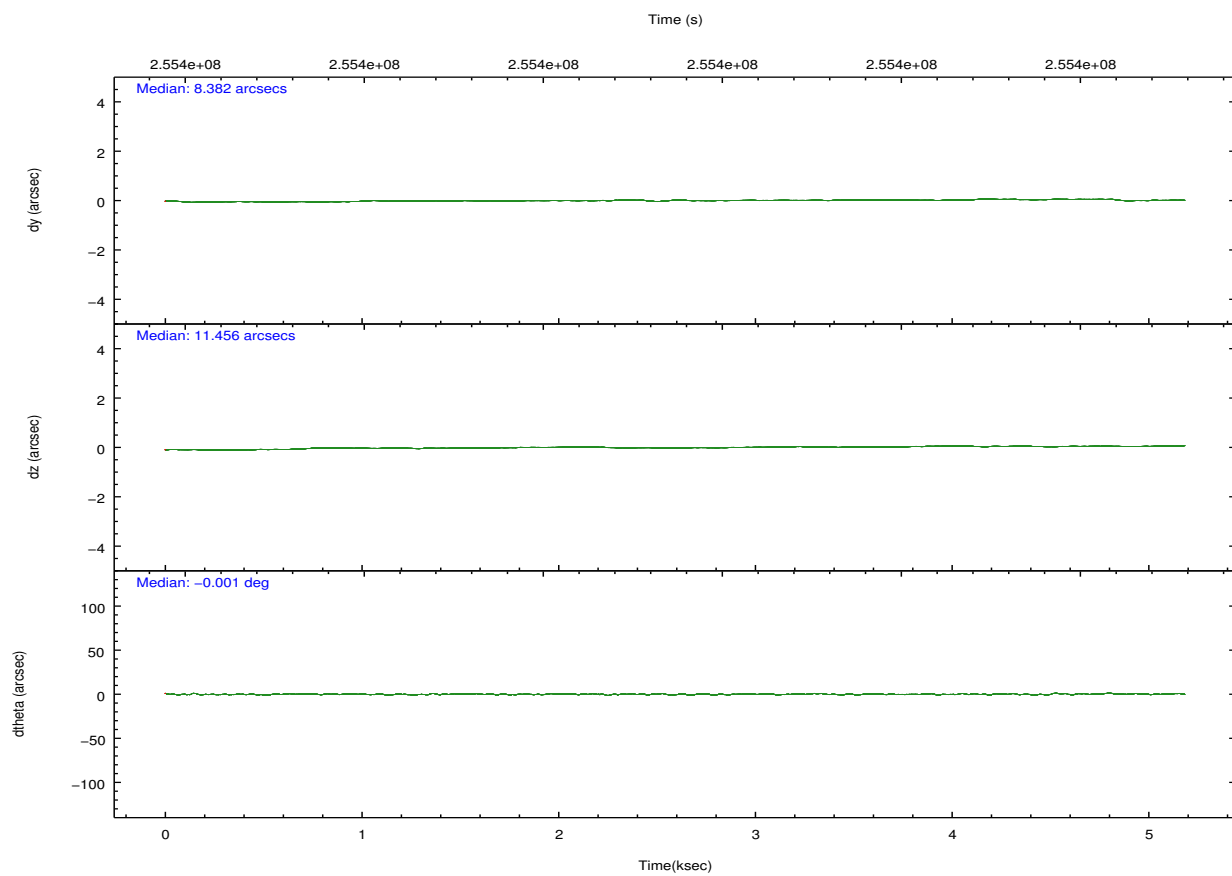
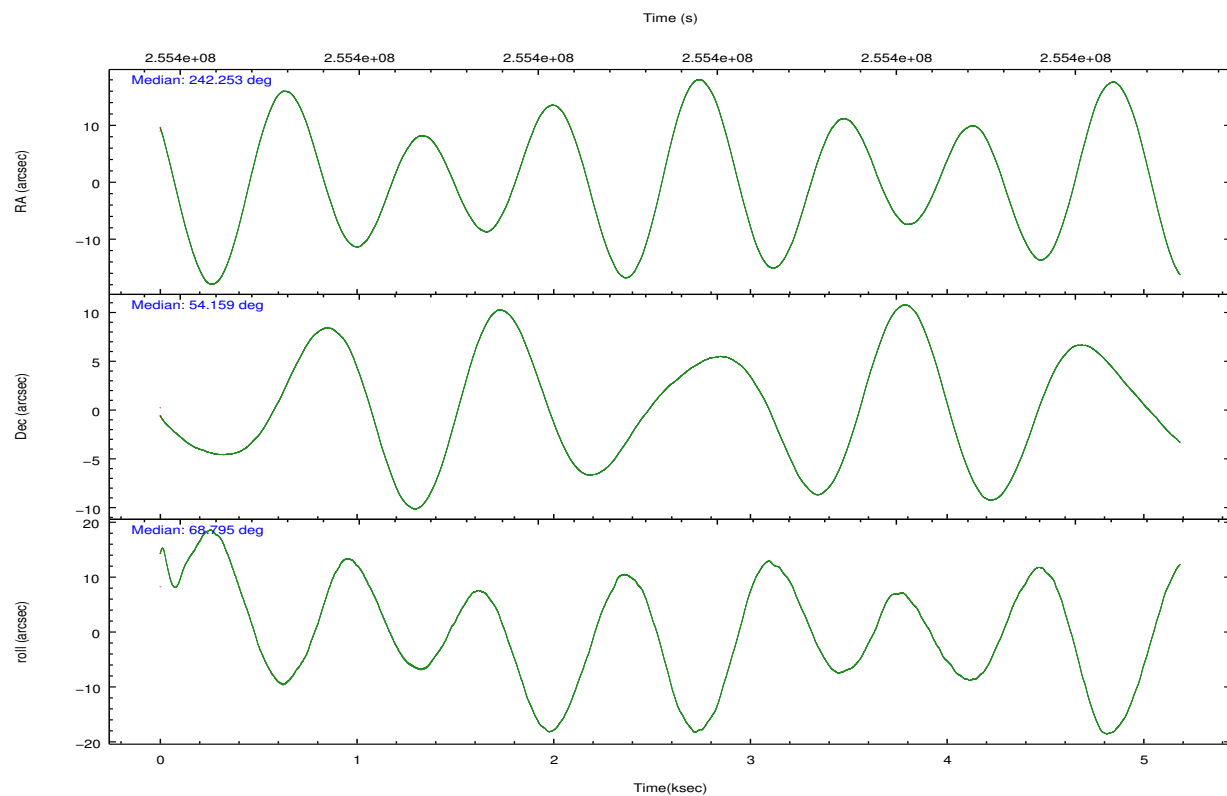
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37124	35801	41785	39036	39495	55011	grade 0 events	2012	1989	2020	1998	1779	2013
rejected events	32342	30697	37112	34392	34747	32399		5%	5%	4%	5%	4%	3%
rejected %	87%	85%	88%	88%	87%	58%	grade 1 events	25	25	24	14	25	63
								0%	0%	0%	0%	0%	0%
							grade 2 events	1009	1102	980	893	1036	4702
								2%	3%	2%	2%	2%	8%
							grade 3 events	486	544	445	464	442	2000
								1%	1%	1%	1%	1%	3%
							grade 4 events	447	493	433	450	449	1955
								1%	1%	1%	1%	1%	3%
							grade 5 events	1659	1663	1493	1915	1865	5195
								4%	4%	3%	4%	4%	9%
							grade 6 events	832	989	803	845	1046	11974
								2%	2%	1%	2%	2%	21%
							grade 7 events	30654	28996	35587	32457	32853	27109
								82%	80%	85%	83%	83%	49%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	242.259934	242.2525299516947	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.132474	54.15952068345509	Alternating exposures requested	N	N
[deg] Pointing Roll	68.584484	68.79920504910311	[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)	255400329.184000	255399953.0272			
Observation start date	2006-02-04T00:31:04	2006-02-04T00:25:53			
[s] Observation end time (MET)	255405329.184000	255405462.40245			
Observation end date	2006-02-04T01:54:24	2006-02-04T01:57:42			
Read mode	TIMED	TIMED			

2.3 Aspect



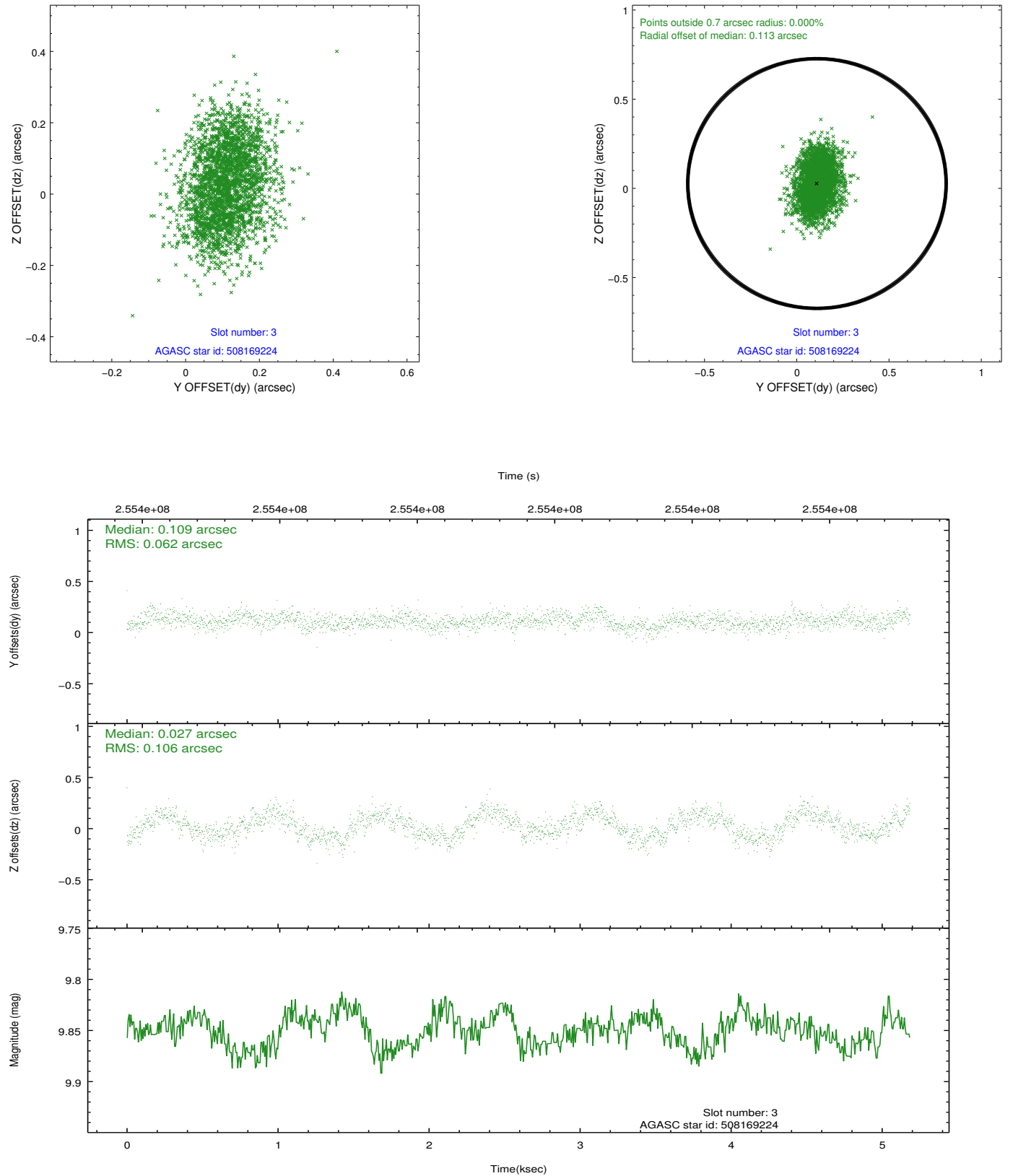


Slot Statistics

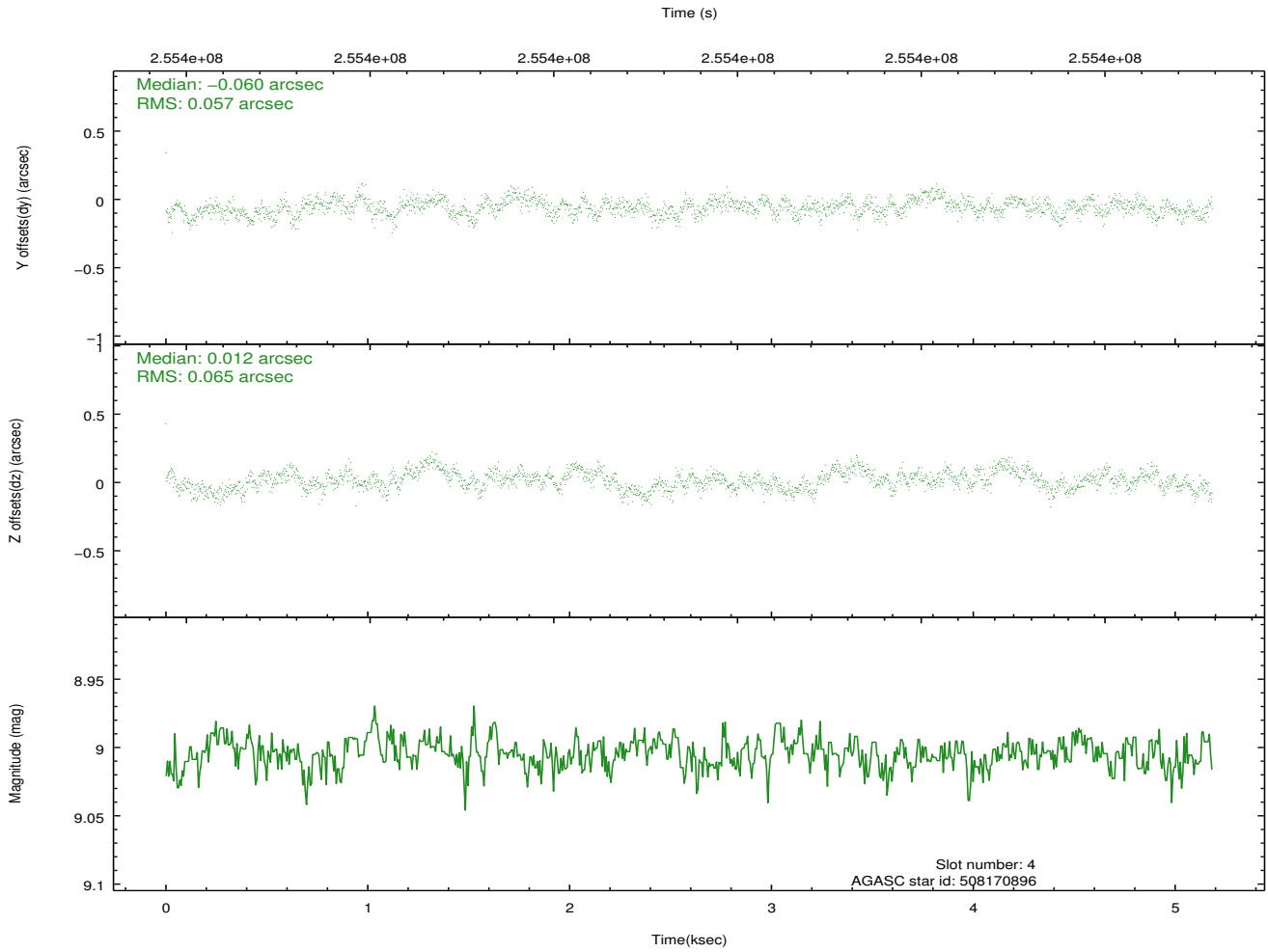
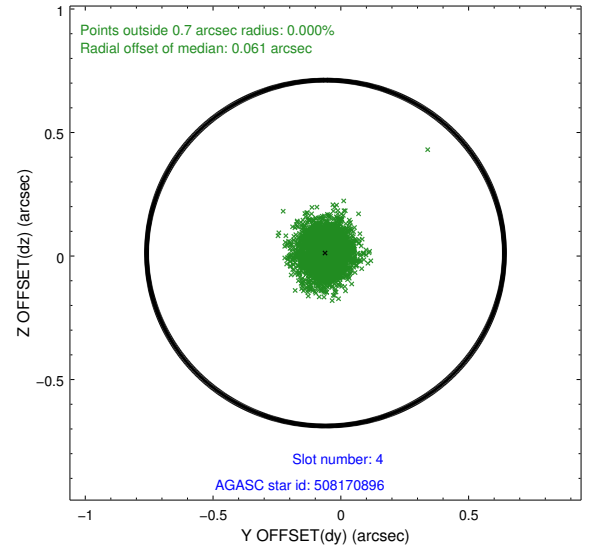
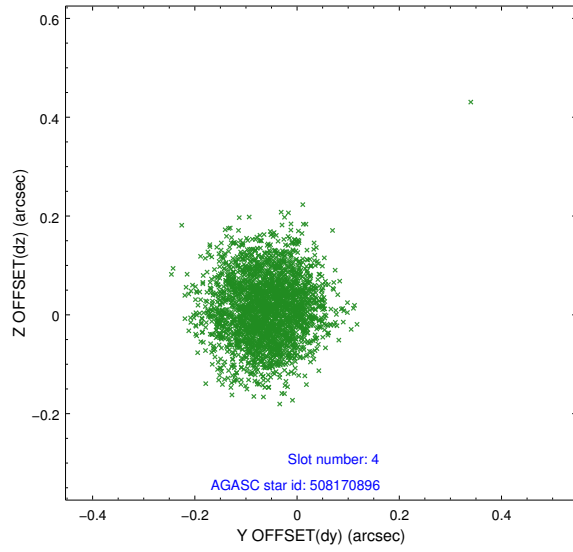
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1265	0.061	-0.037	0.006	0.011	0.000000	0.000000	931.30	-835.02
1	FID	ACIS-I-5	7.23	1265	-0.199	0.066	0.006	0.010	0.000000	0.000000	-1816.37	1062.06
2	FID	ACIS-I-6	7.25	1265	0.047	0.041	0.007	0.011	0.000000	0.000000	395.62	1707.81
3	GUIDE	508169224	9.85	2528	0.109	0.027	0.130	0.211	242.580277	53.826359	-775.41	-1035.59
4	GUIDE	508170896	9.00	2526	-0.060	0.012	0.094	0.147	242.052968	54.527984	1168.18	922.28
5	GUIDE	508172800	7.91	2530	-0.316	0.005	0.066	0.102	242.573753	54.657892	2001.38	83.24
6	GUIDE	508180600	9.26	2529	0.125	0.080	0.113	0.182	243.000865	53.504406	-1516.57	-2299.56
7	GUIDE	508173040	9.70	2514	0.139	-0.120	0.155	0.238	241.268621	54.426592	241.57	2323.98

2.4 Star Slots

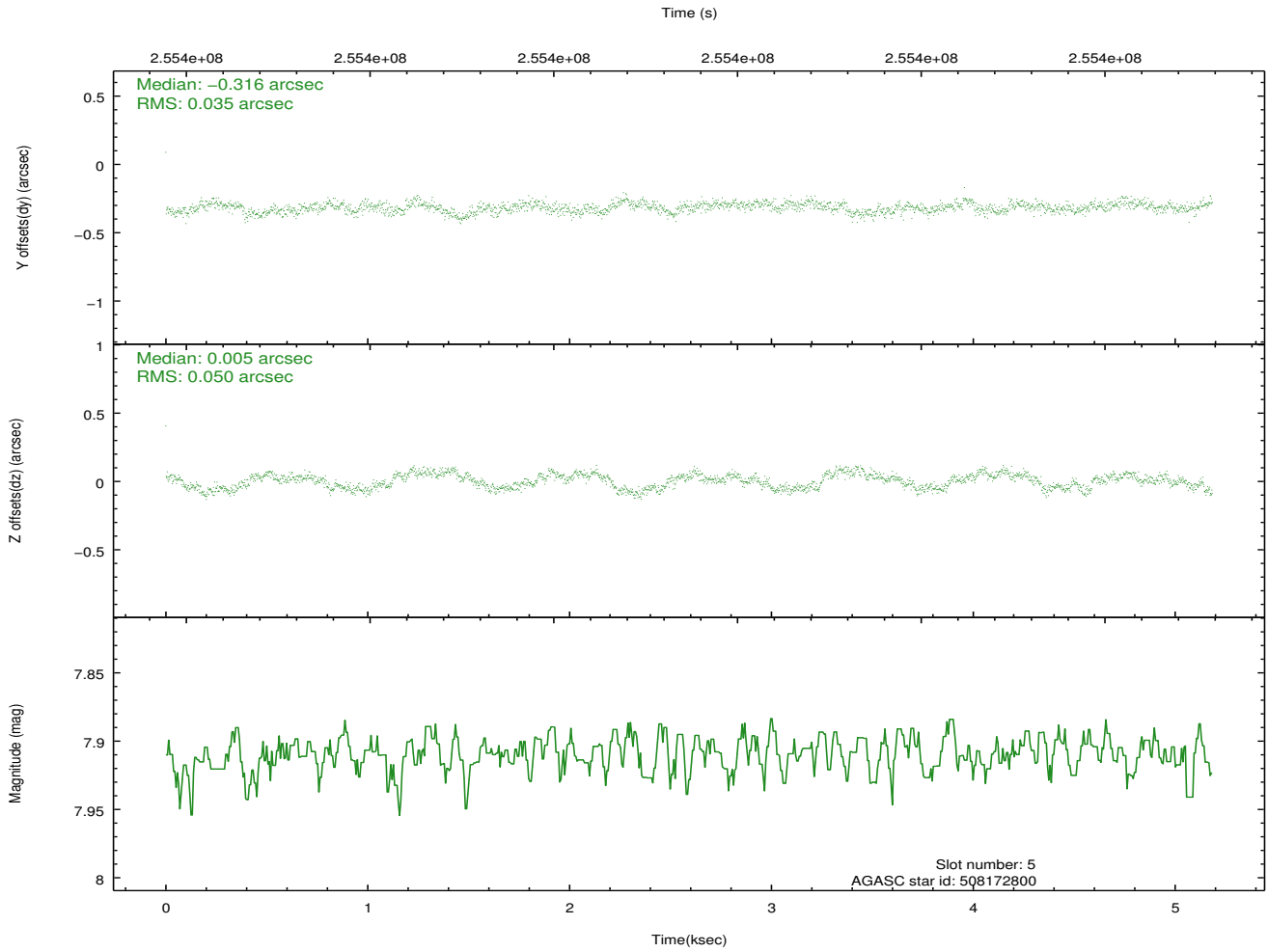
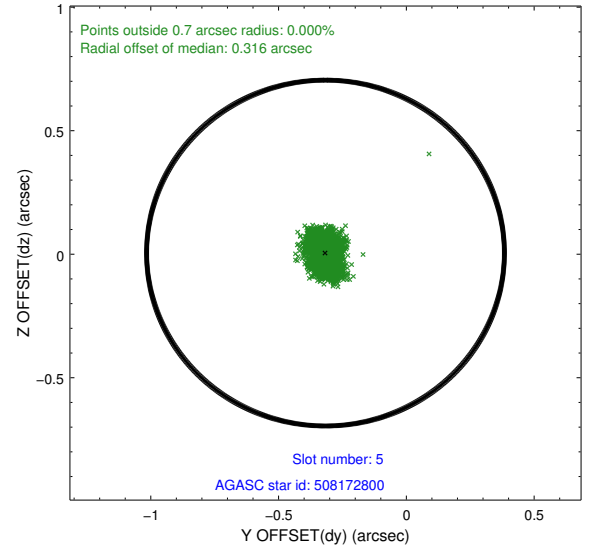
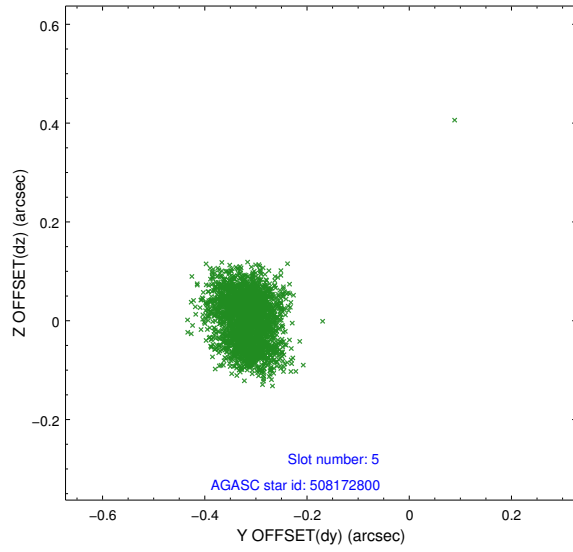
2.4.1 Slot 3



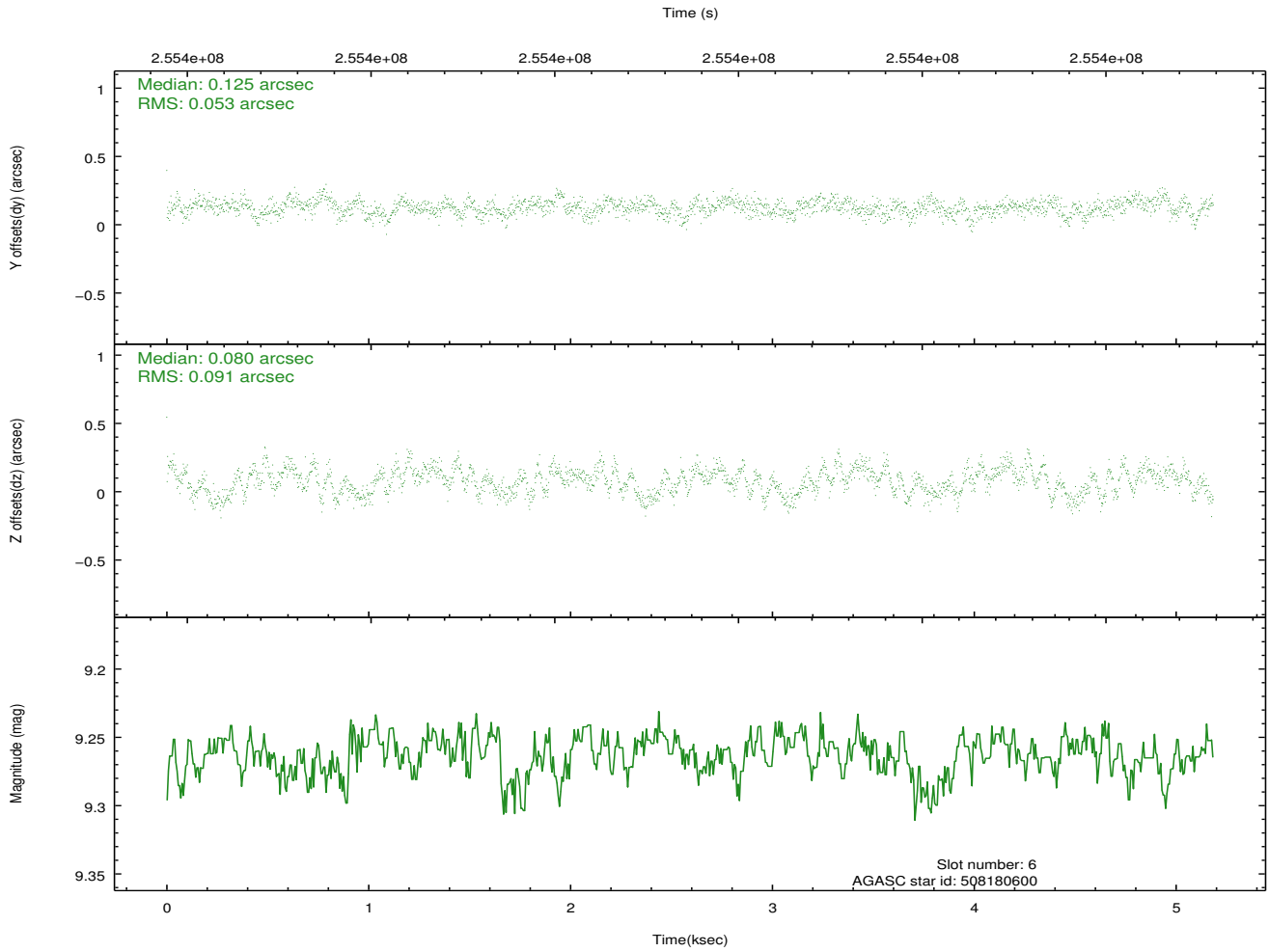
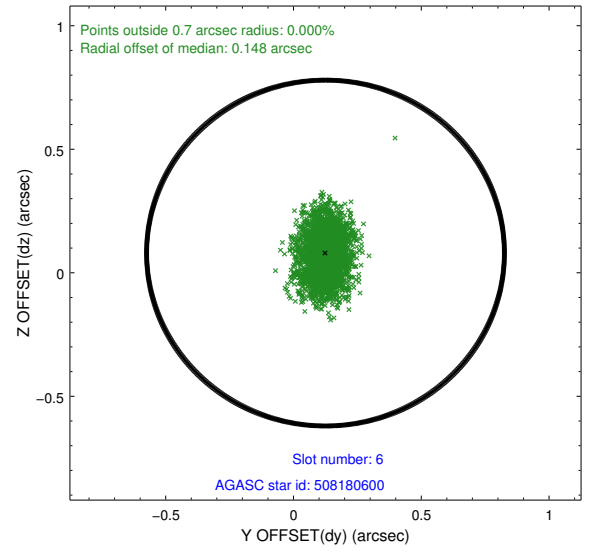
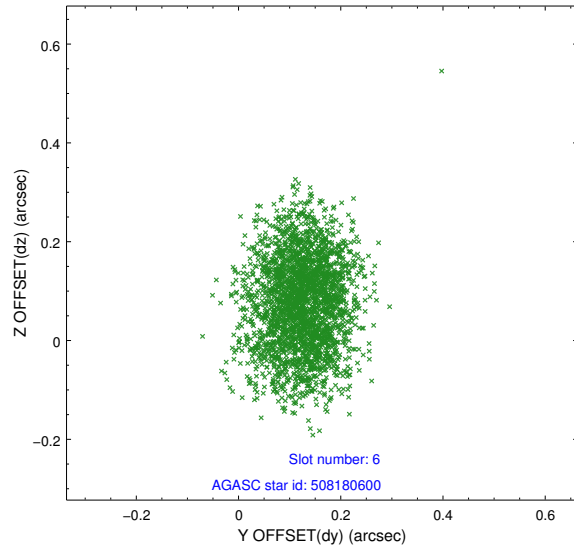
2.4.2 Slot 4



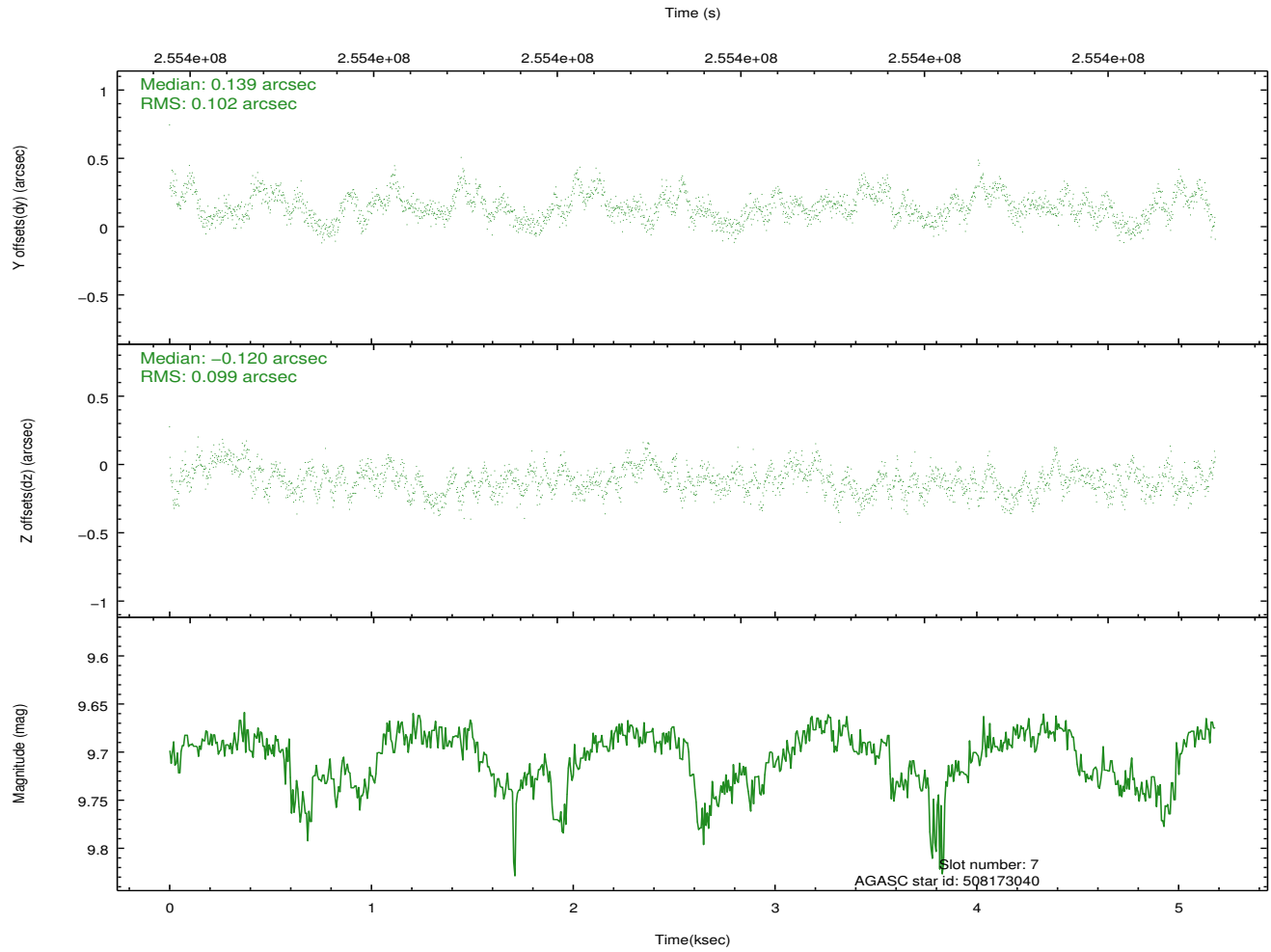
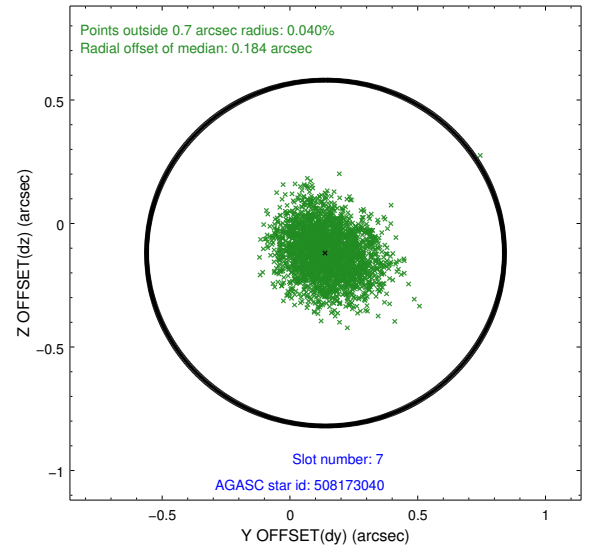
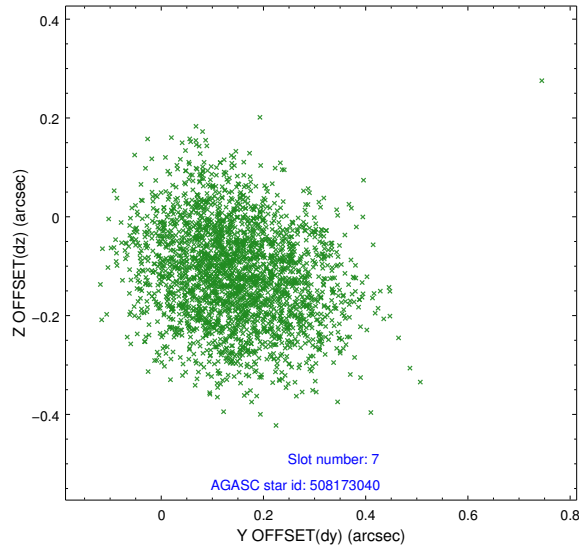
2.4.3 Slot 5



2.4.4 Slot 6

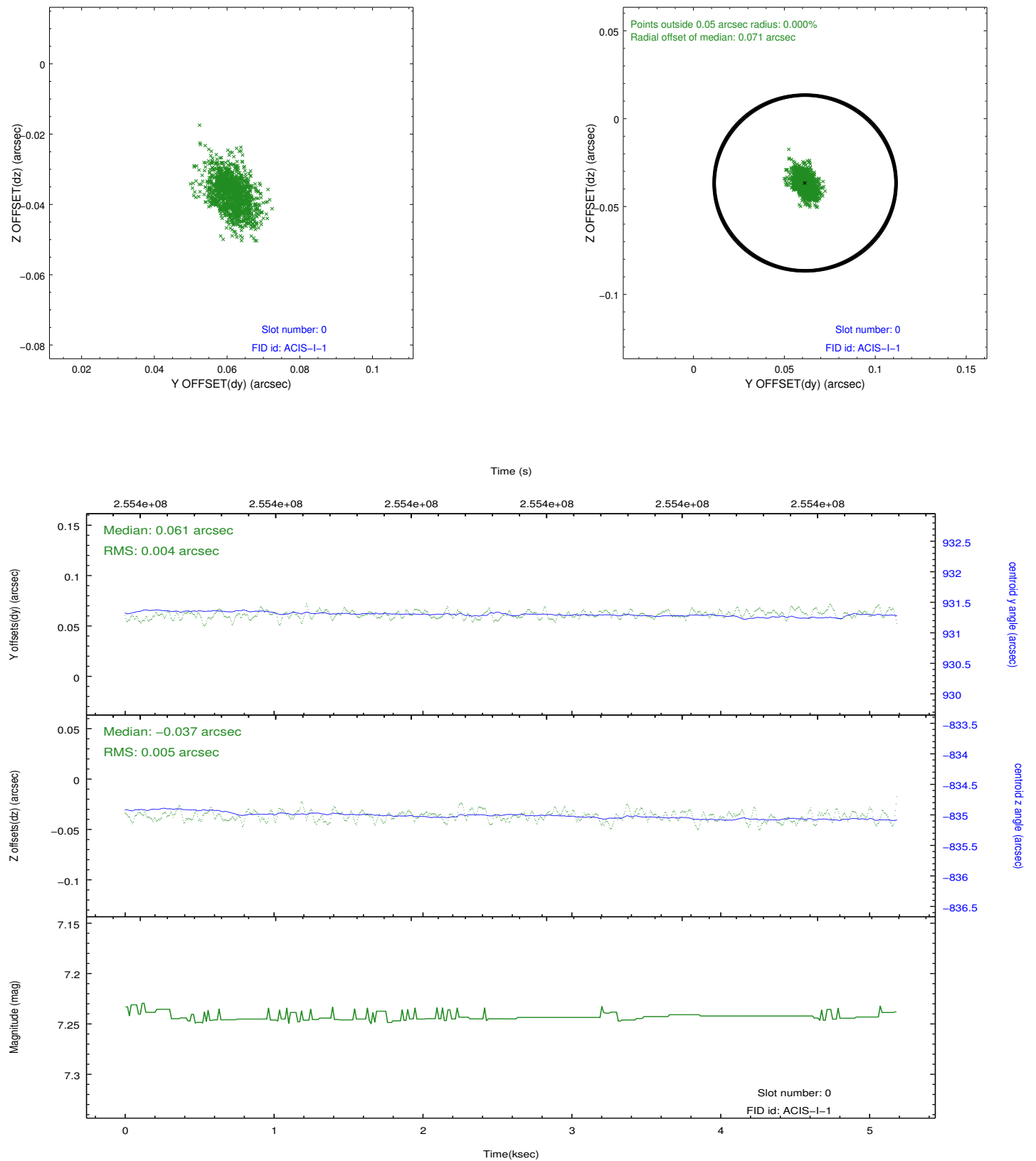


2.4.5 Slot 7

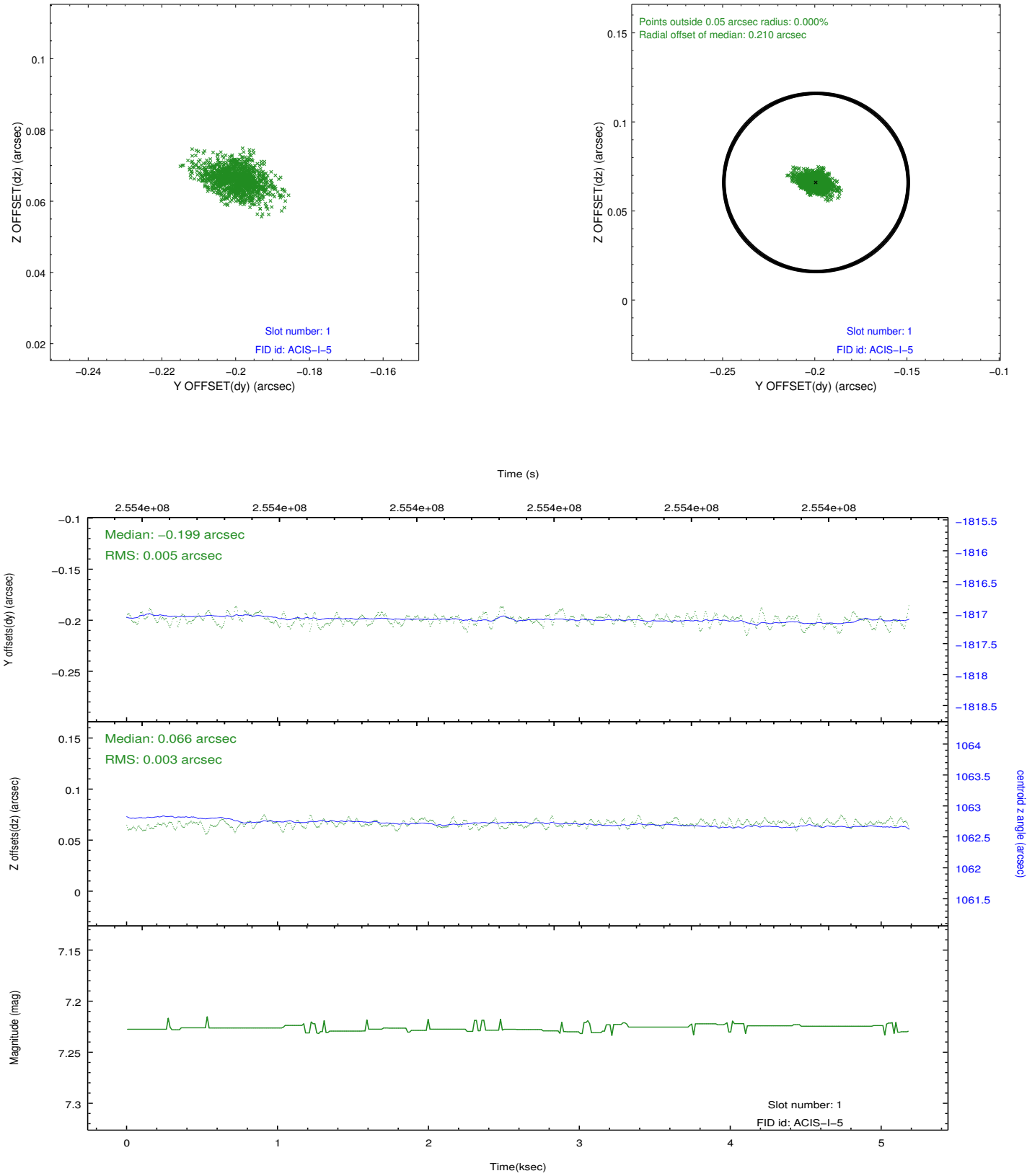


2.5 FID Slots

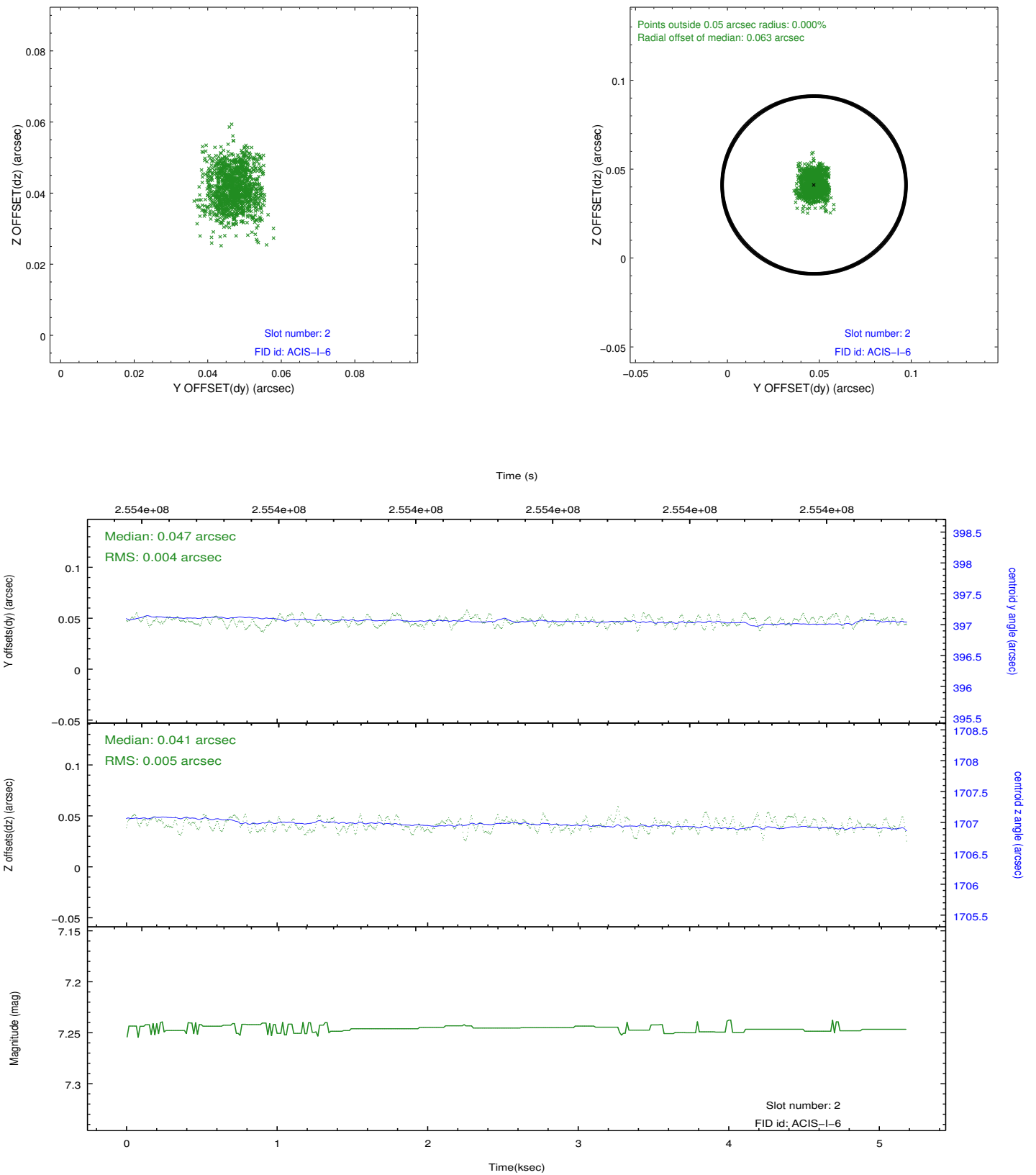
2.5.1 Slot 0



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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75195901

A.2 Comments