

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5872 - L2 Version 2
Chandra X-Ray Center

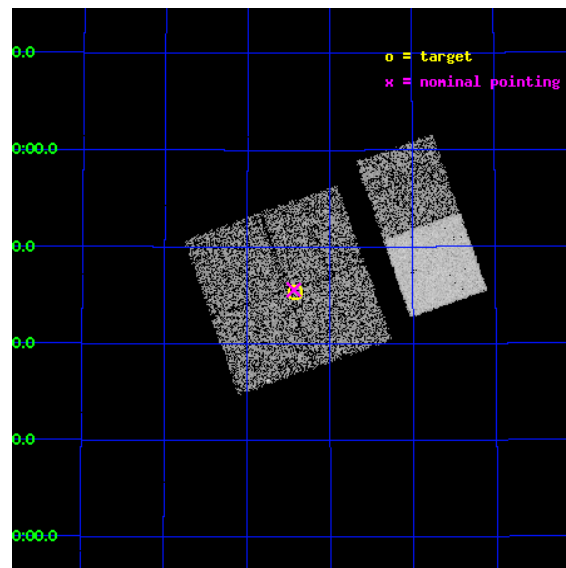
L2 Processing Date : Mar 24 2012

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1 Front

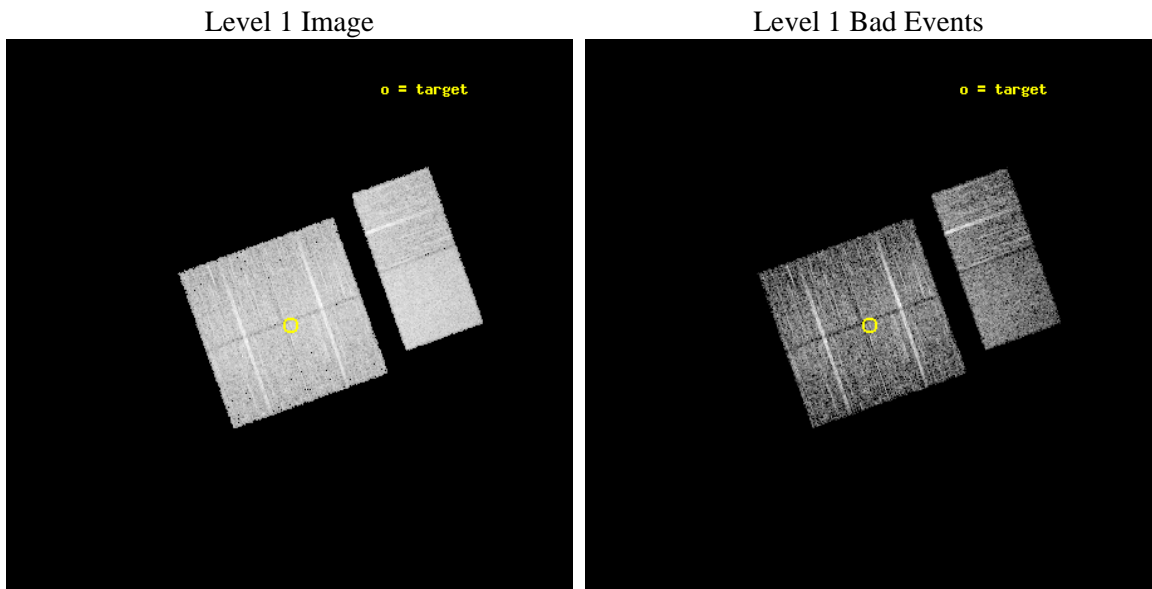
seq_num	900372	Sequence number
obs_id	5872	Observation id
title	The Spectral Energy Distributions of AGN: A Shallow Survey of the ELAIS-N1 Field	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	N1_18	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.60375	Observer's specified target RA [deg]
dec_targ	54.756194	Observer's specified target Dec [deg]
ra_nom	242.60931373736	Nominal RA [deg]
dec_nom	54.759659406037	Nominal Dec [deg]
roll_nom	70.390551114992	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4956.7999815345	Sum of GTIs [s]
livetime	4894.0339955417	Livetime [s]
ontime0	4956.7999815345	Sum of GTIs [s]
ontime1	4956.7999815345	Sum of GTIs [s]
ontime2	4956.7999815345	Sum of GTIs [s]
ontime3	4956.7999815345	Sum of GTIs [s]
ontime6	4956.7999815345	Sum of GTIs [s]
ontime7	4956.7999815345	Sum of GTIs [s]
l2events	44143	Number of level 2 events



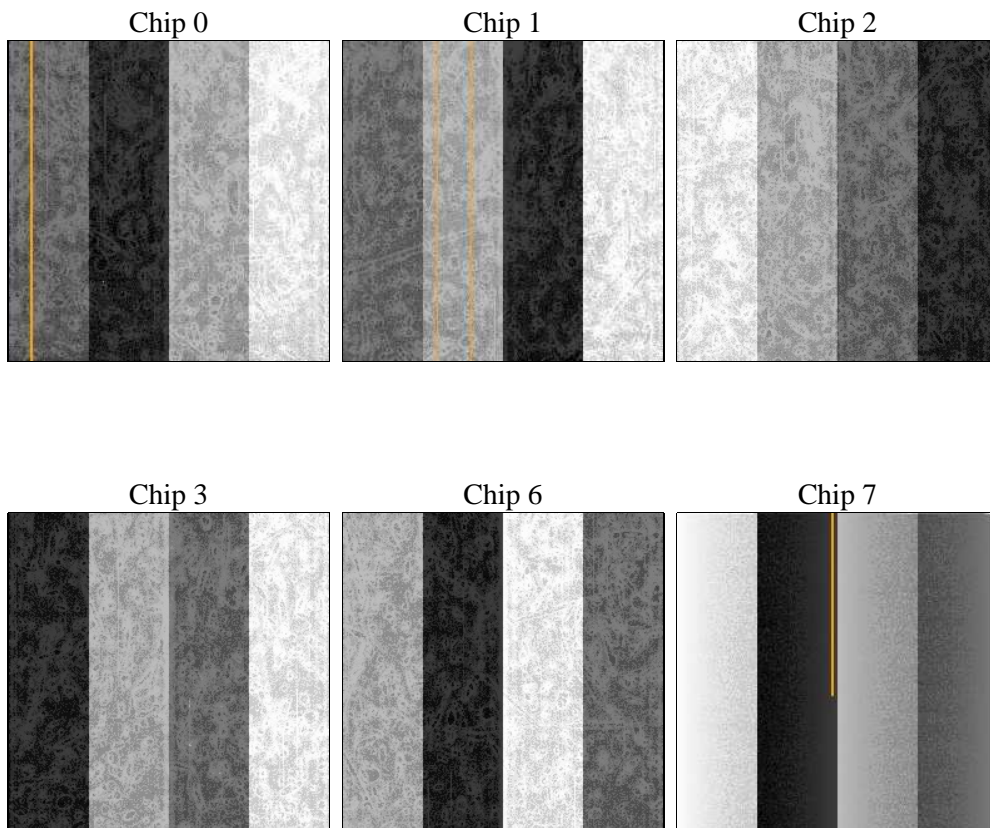
2 OBI

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	Processing system revision	ontime	4956.7999815345	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	4956.7999815345	Sum of GTIs [s]
date	2012-03-25T00:11:59	Date and time of file creation	ontime1	4956.7999815345	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4956.7999815345	Sum of GTIs [s]
			ontime3	4956.7999815345	Sum of GTIs [s]
			ontime6	4956.7999815345	Sum of GTIs [s]
			ontime7	4956.7999815345	Sum of GTIs [s]
			l1events	258016	Number of level 1 events

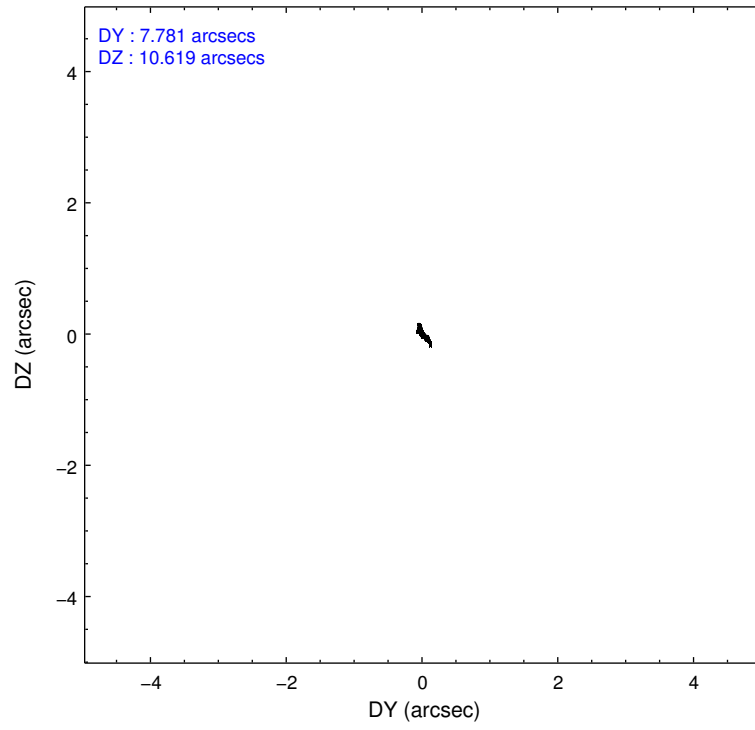
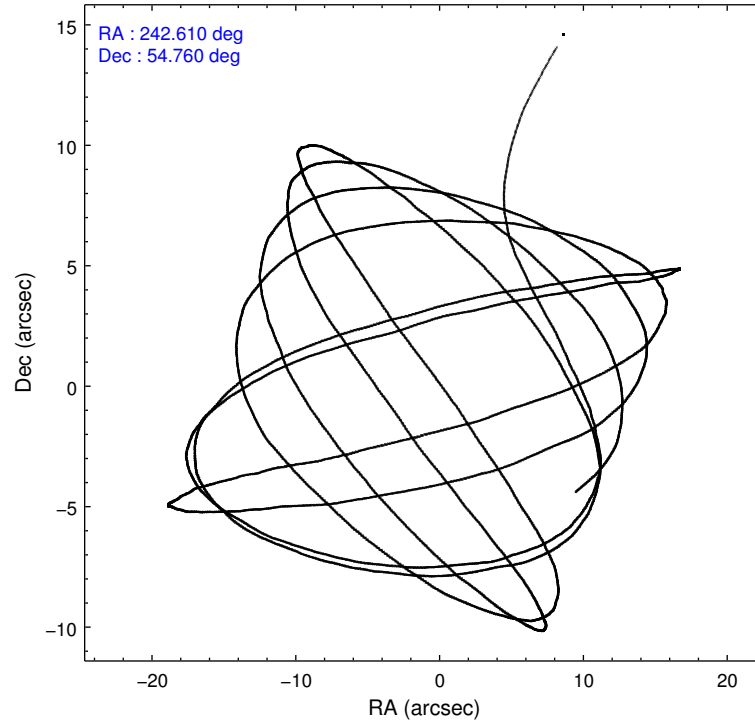
2.1.4 Events

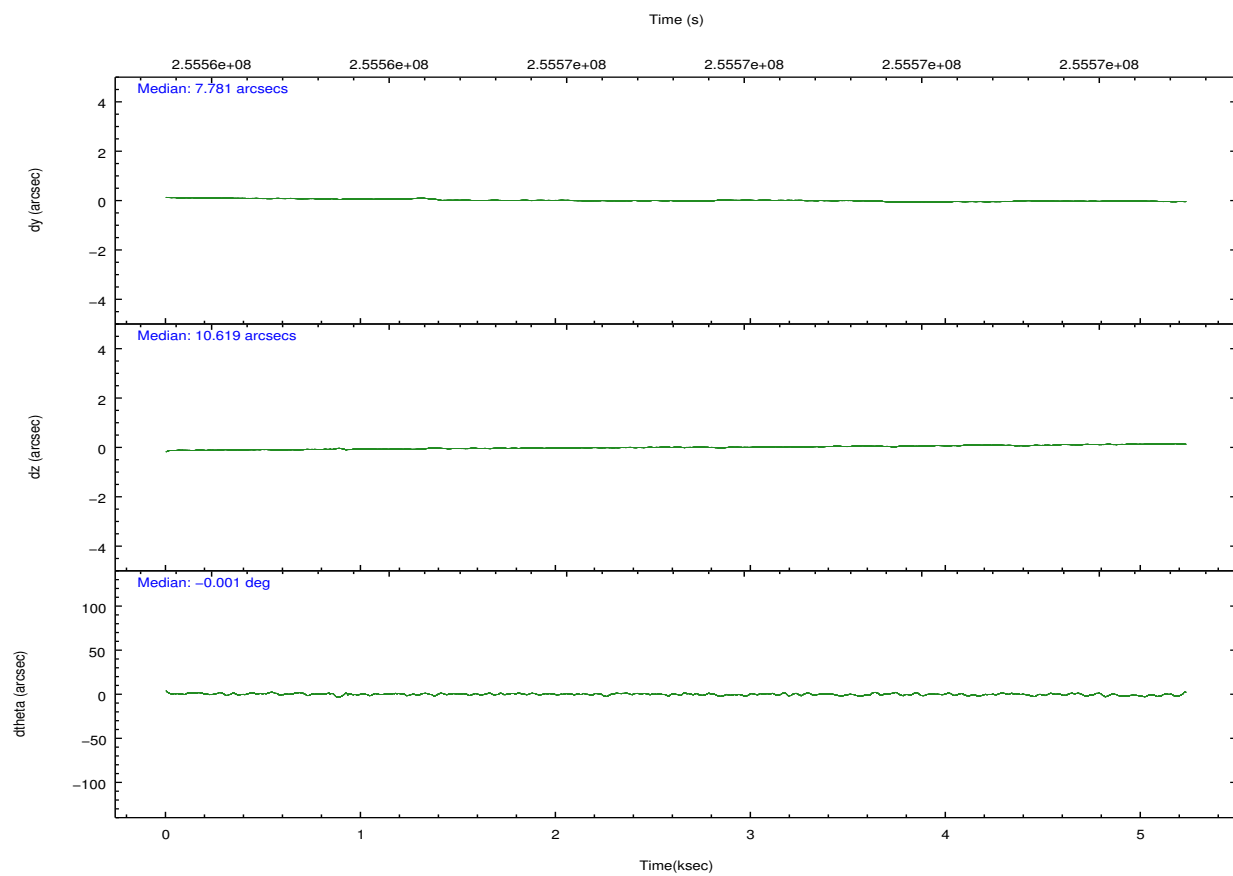
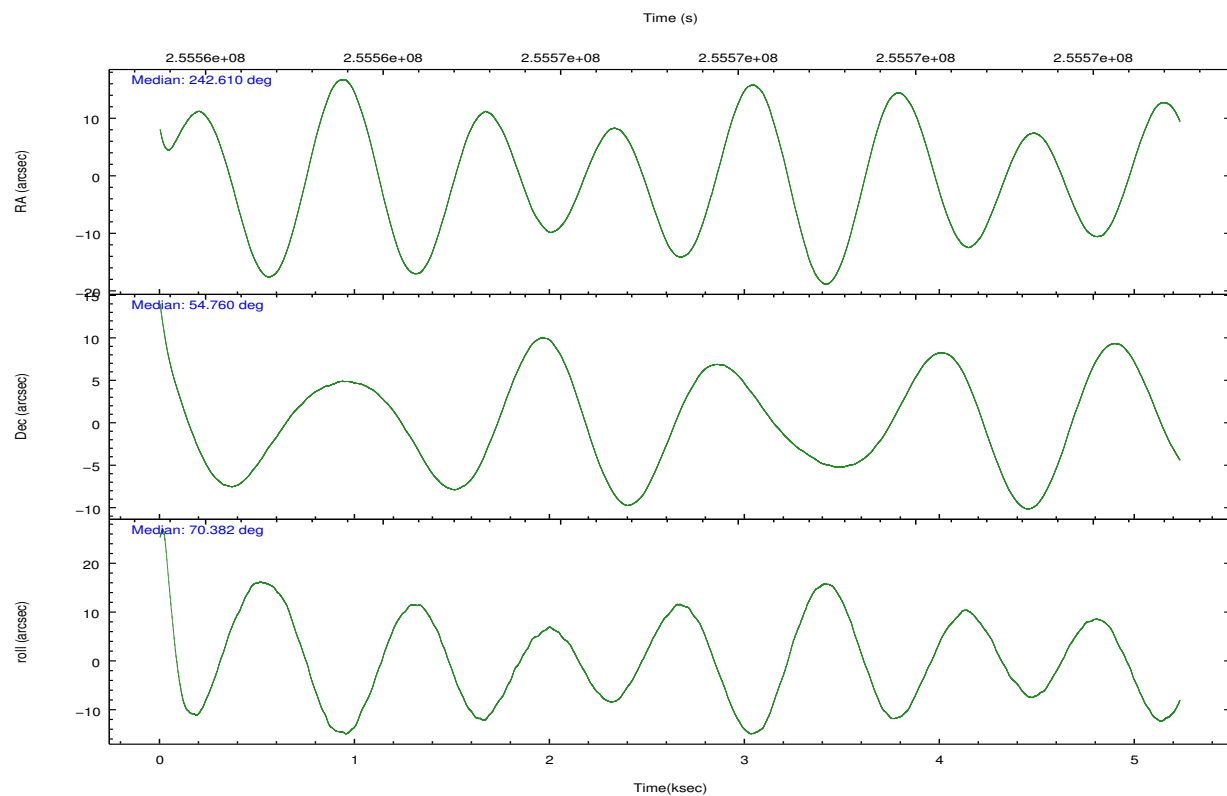
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	38067	38009	42191	40711	42661	56377	grade 0 events	2028	2148	2240	2116	1903	2021
rejected events	33248	32659	37269	35847	37682	33271		5%	5%	5%	5%	4%	3%
rejected %	87%	85%	88%	88%	88%	59%	grade 1 events	30	21	27	20	20	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1077	1217	988	916	1081	4526
								2%	3%	2%	2%	2%	8%
							grade 3 events	471	504	454	431	489	2014
								1%	1%	1%	1%	1%	3%
							grade 4 events	403	464	455	463	472	2006
								1%	1%	1%	1%	1%	3%
							grade 5 events	1613	1736	1622	1786	2008	5325
								4%	4%	3%	4%	4%	9%
							grade 6 events	842	1022	786	941	1045	12562
								2%	2%	1%	2%	2%	22%
							grade 7 events	31603	30897	35619	34038	35643	27863
								83%	81%	84%	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	242.617931	242.6093137373551	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.732683	54.75965940603717	Alternating exposures requested	N	N
[deg] Pointing Roll	70.174739	70.39055111499233	[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)	255564235.184000	255563236.04727			
Observation start date	2006-02-05T22:02:50	2006-02-05T21:47:16			
[s] Observation end time (MET)	255569235.184000	255569369.13505			
Observation end date	2006-02-05T23:26:10	2006-02-05T23:29:29			
Read mode	TIMED	TIMED			

2.3 Aspect



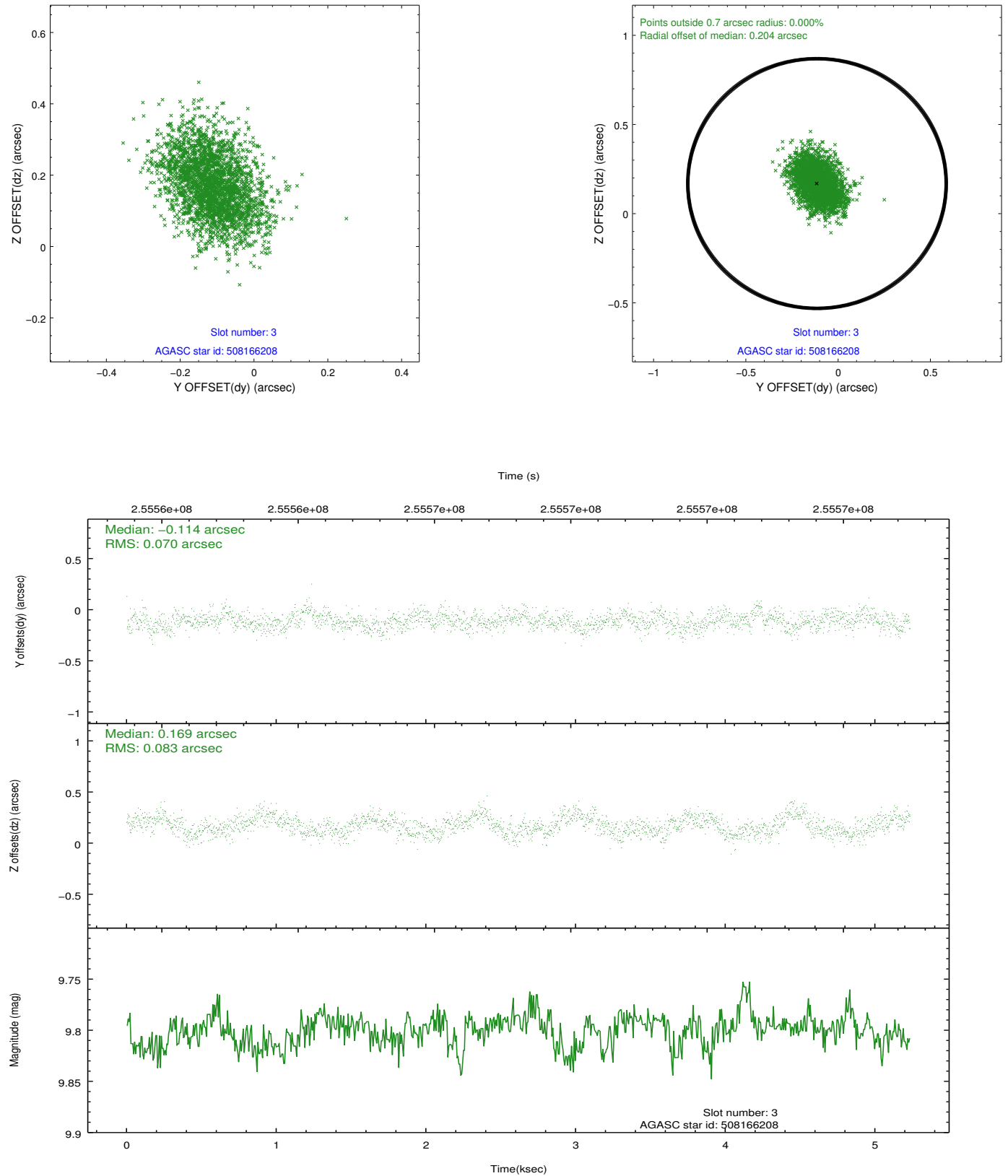


Slot Statistics

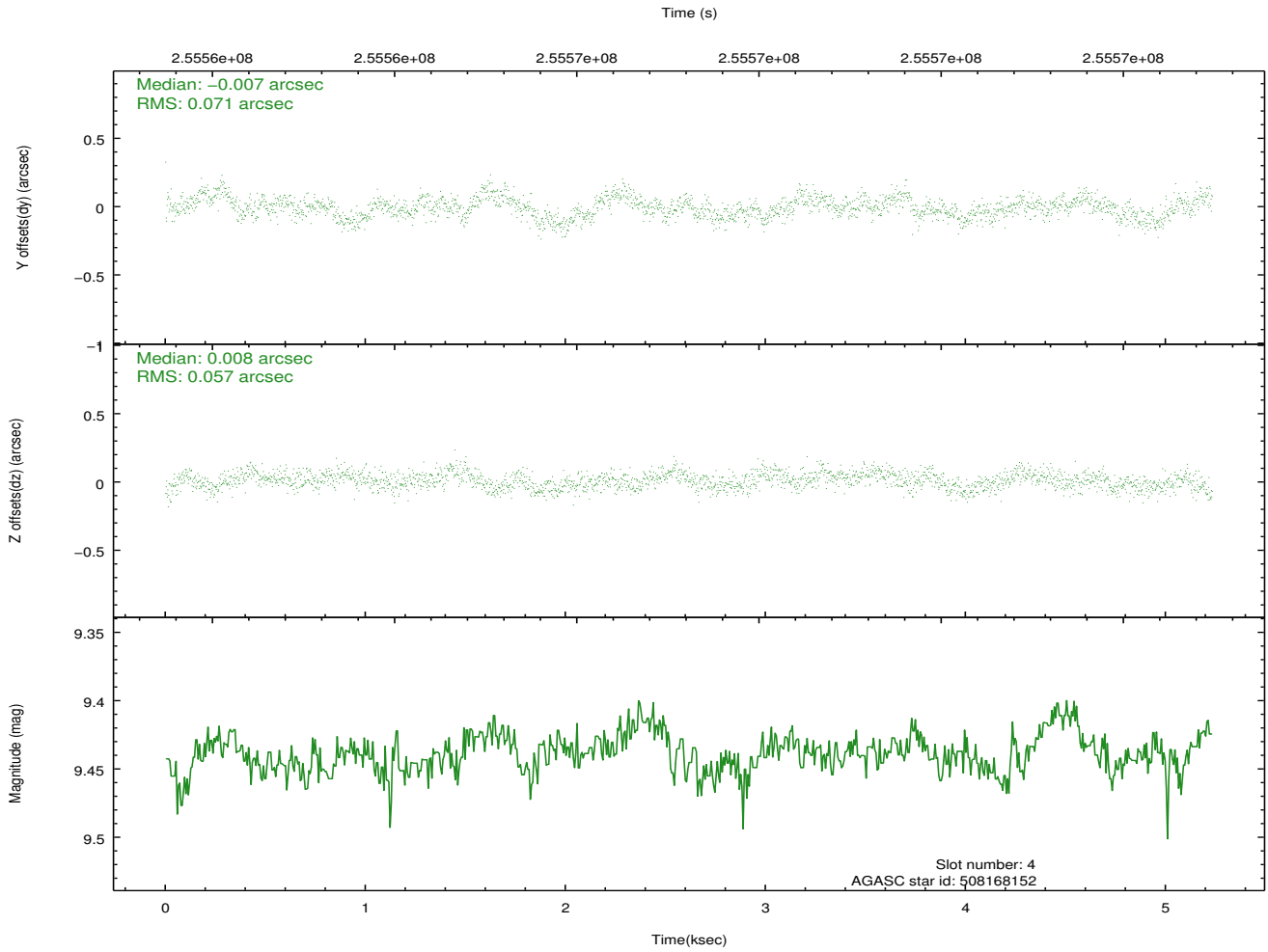
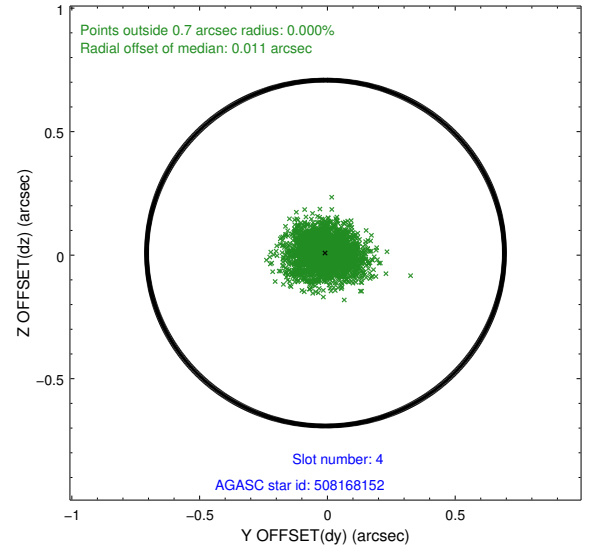
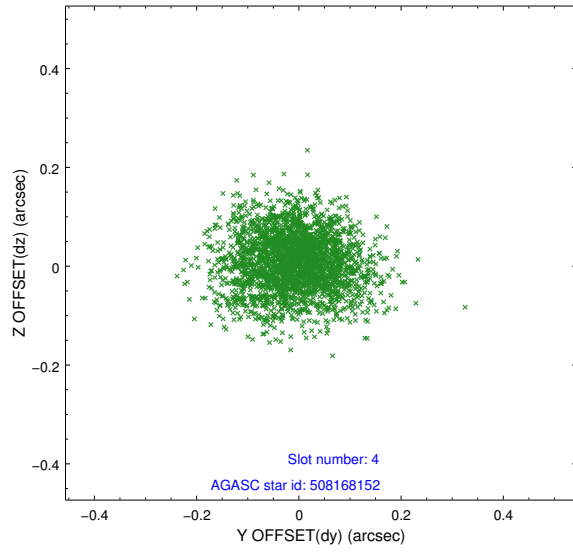
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1276	-0.056	0.047	0.011	0.021	0.000000	0.000000	931.80	-834.08
1	FID	ACIS-I-2	7.14	1276	-0.141	-0.076	0.008	0.013	0.000000	0.000000	-761.73	-841.18
2	FID	ACIS-I-4	7.17	1276	0.098	0.096	0.008	0.016	0.000000	0.000000	2151.35	1065.17
3	GUIDE	508166208	9.80	2550	-0.114	0.169	0.117	0.189	243.617118	54.978511	1546.41	-1636.00
4	GUIDE	508168152	9.44	2553	-0.007	0.008	0.098	0.159	241.888534	54.357327	-1782.67	983.49
5	GUIDE	508170896	9.00	2552	-0.059	-0.049	0.074	0.127	242.052968	54.527984	-1090.07	862.73
6	GUIDE	508173040	9.73	2551	0.209	-0.147	0.107	0.179	241.268621	54.426592	-1969.60	2294.61
7	GUIDE	508170024	9.39	2551	-0.029	0.012	0.084	0.133	241.730655	54.371050	-1845.89	1314.02

2.4 Star Slots

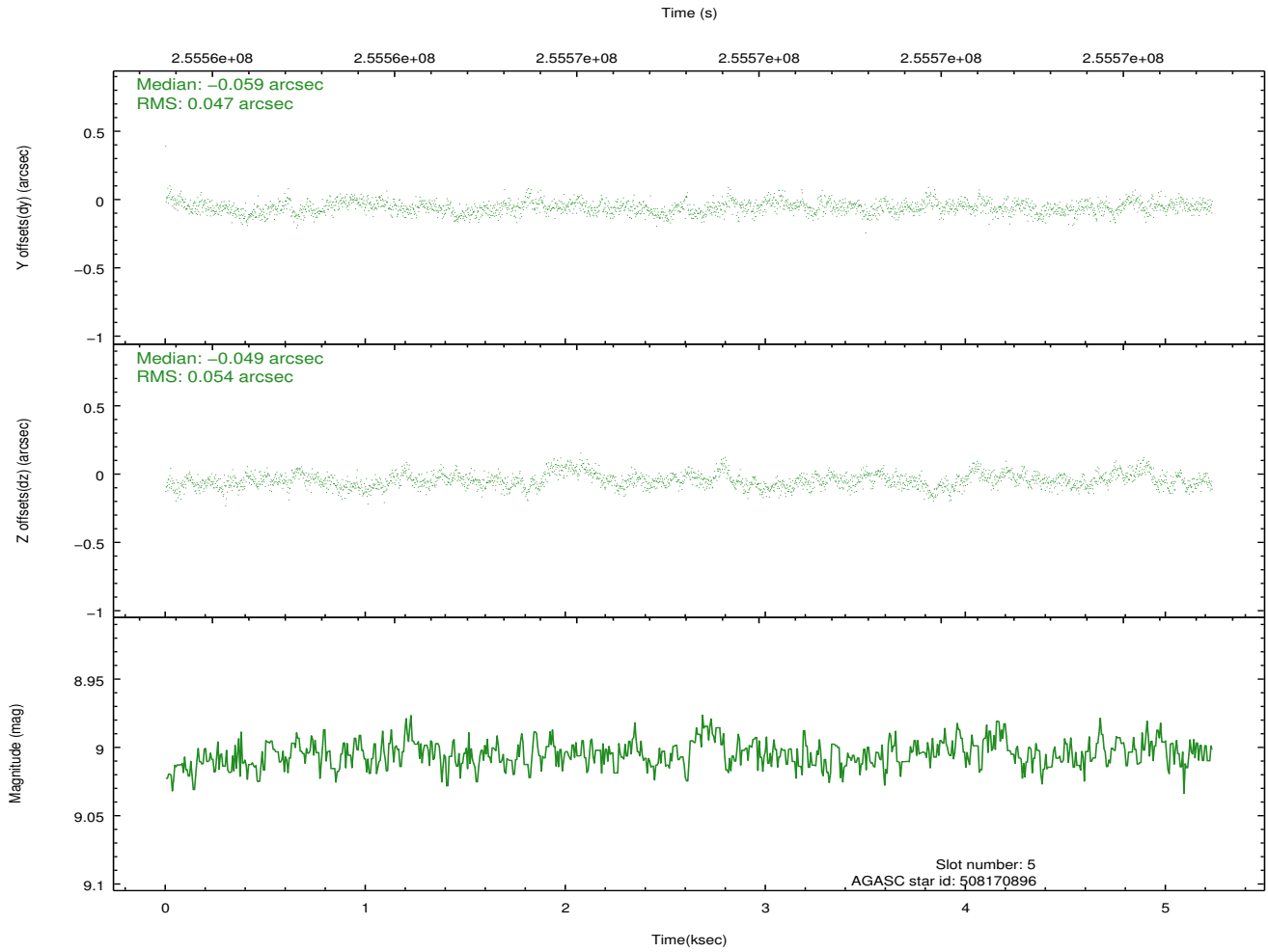
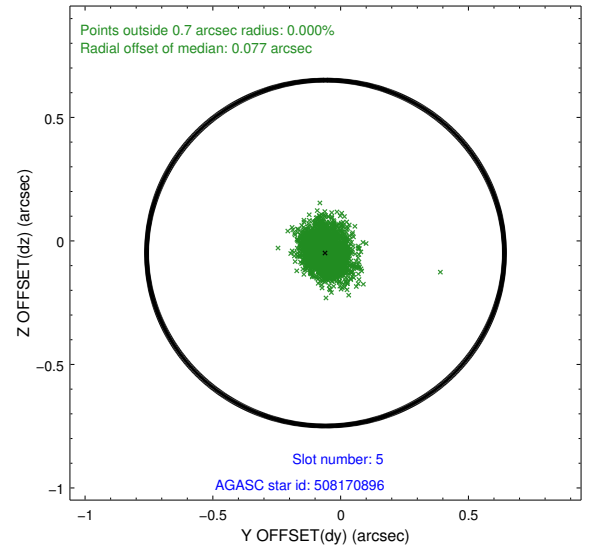
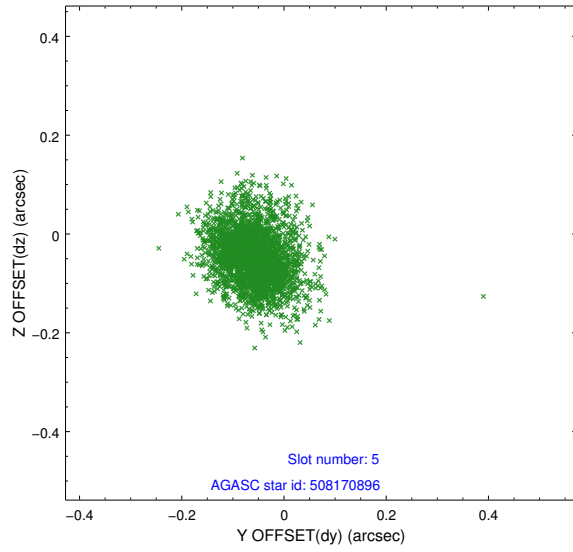
2.4.1 Slot 3



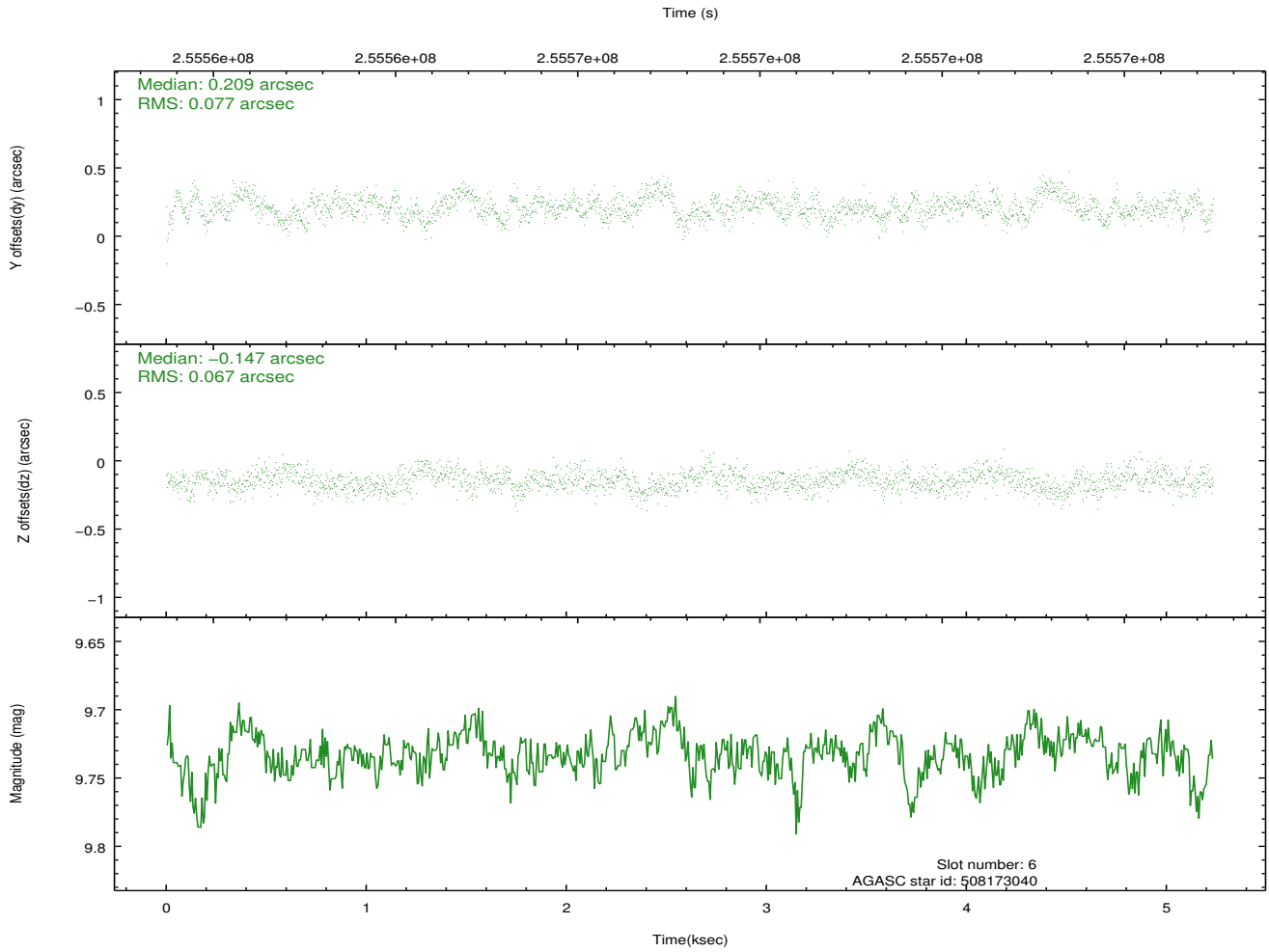
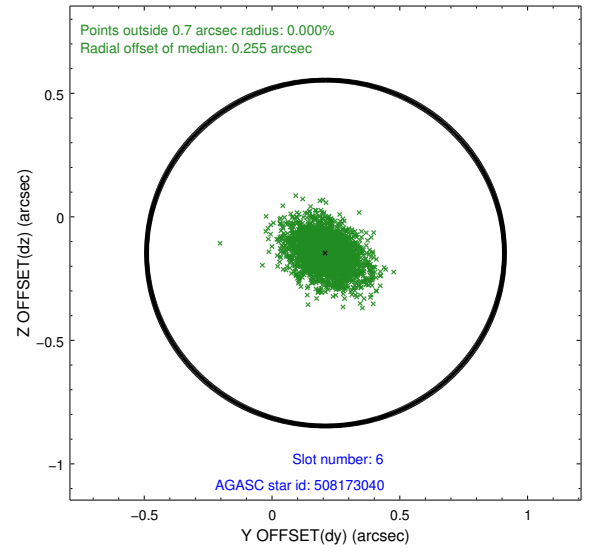
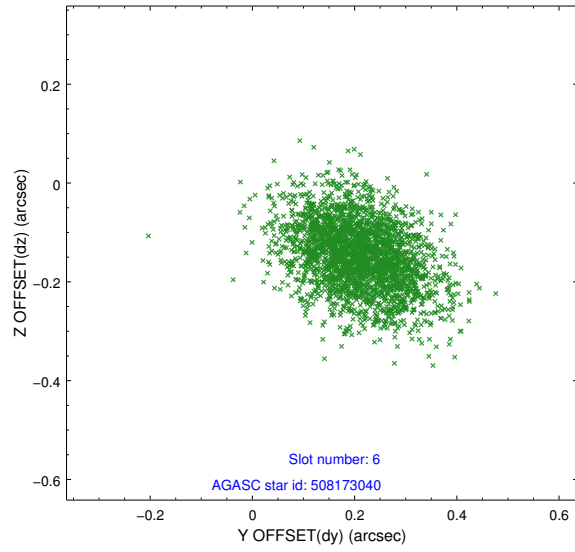
2.4.2 Slot 4



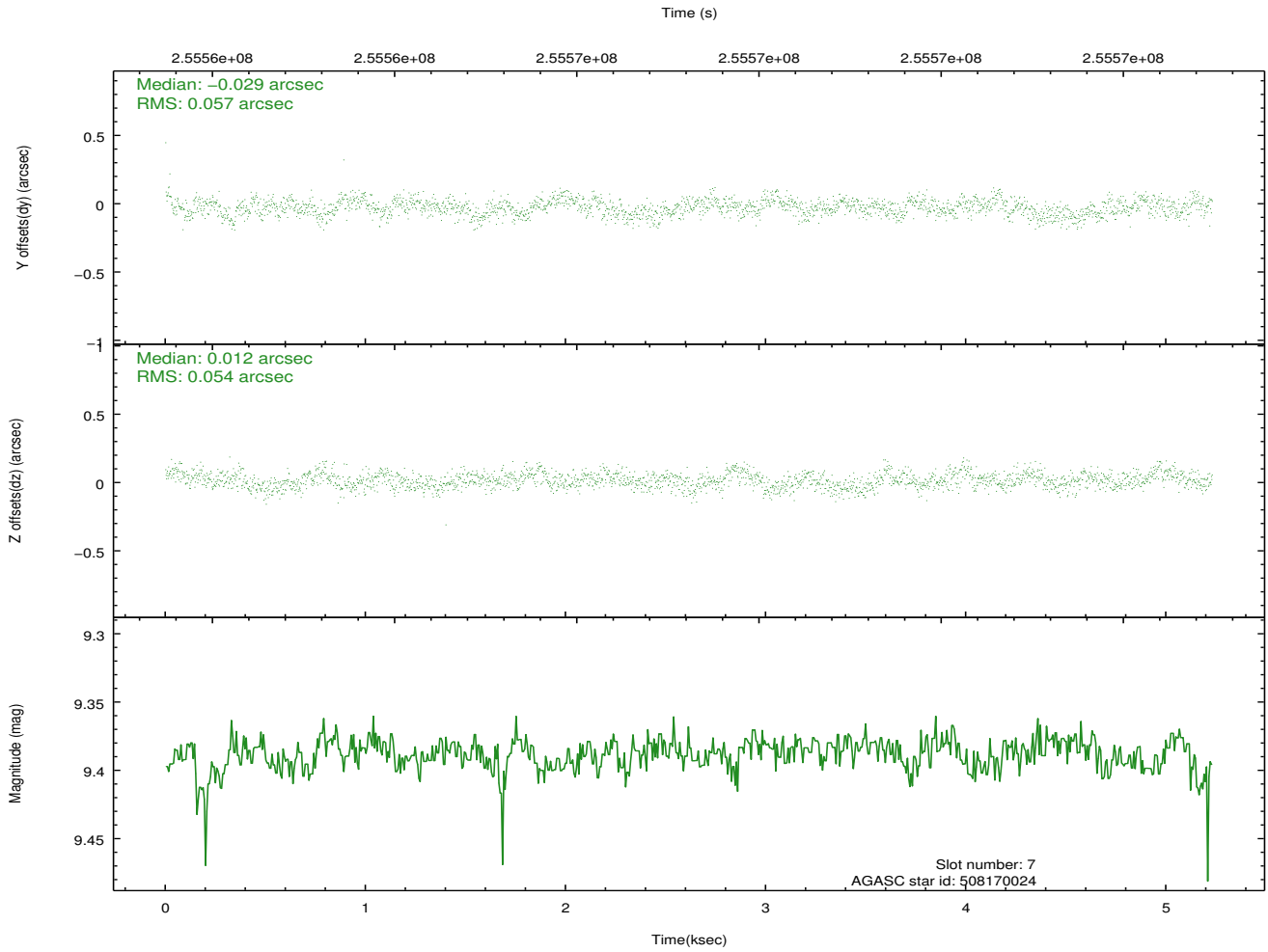
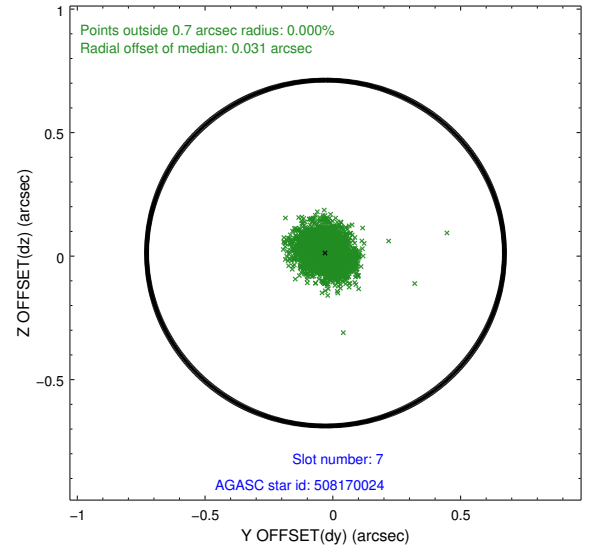
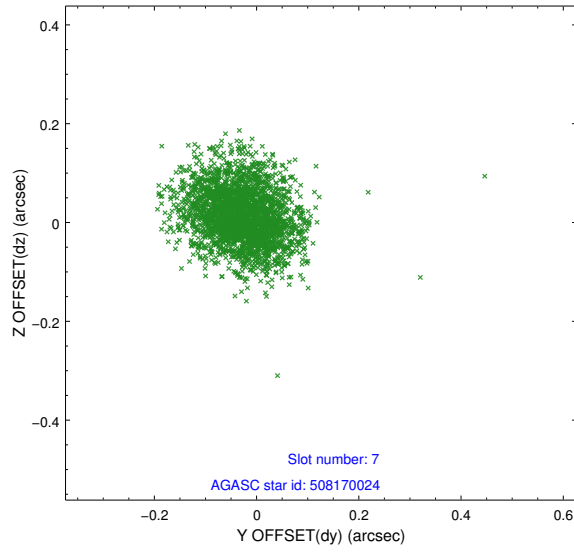
2.4.3 Slot 5



2.4.4 Slot 6

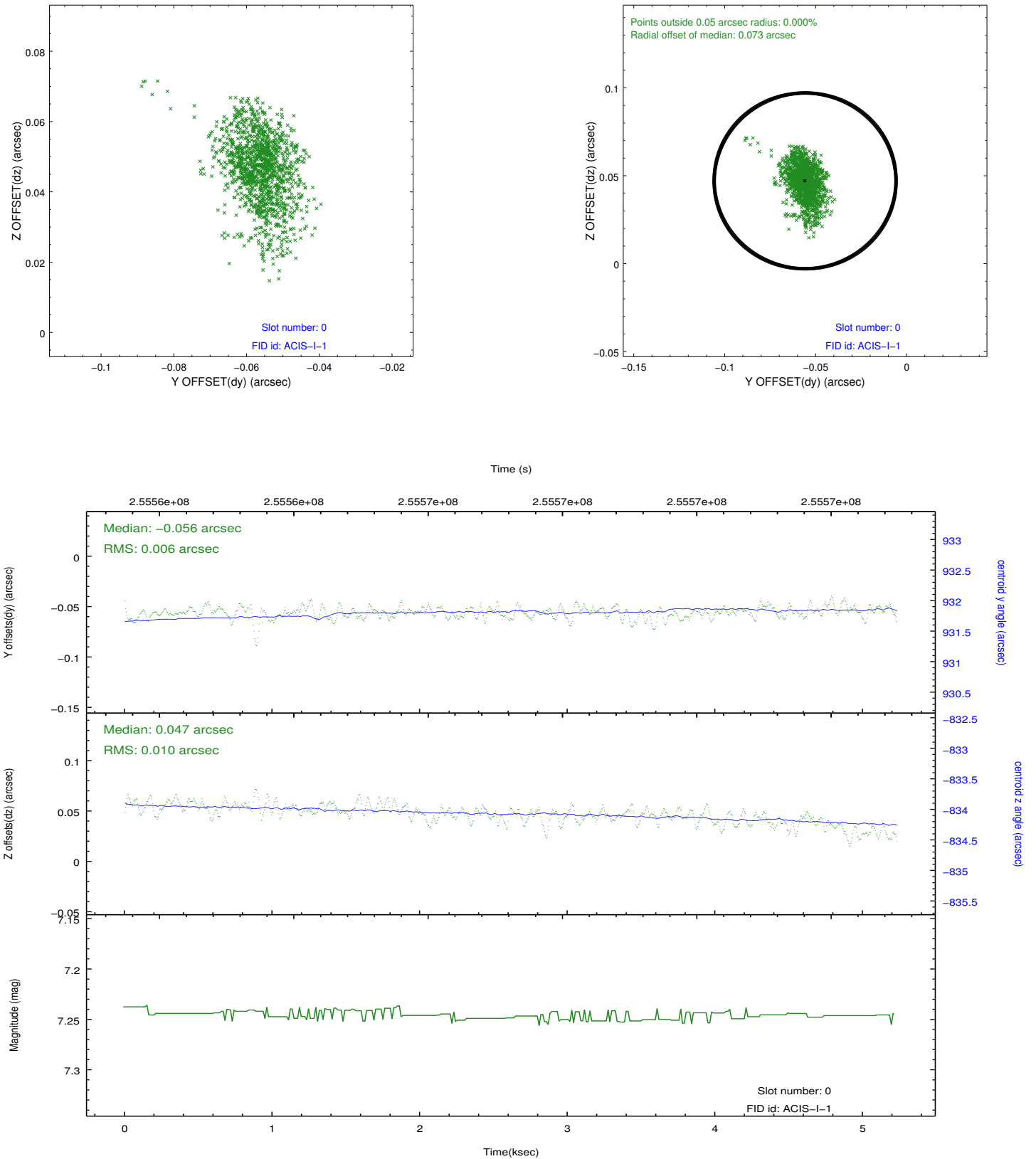


2.4.5 Slot 7

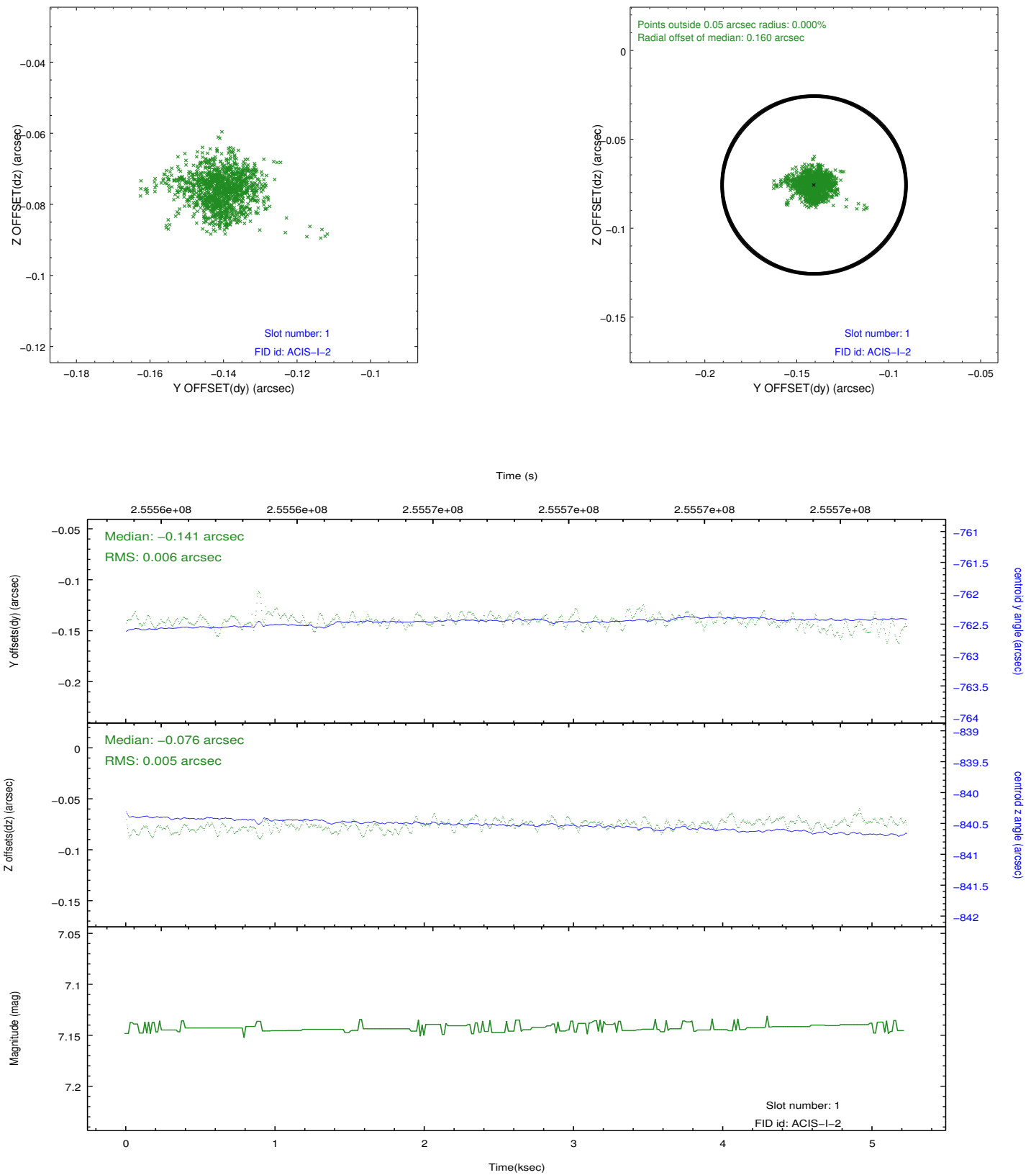


2.5 FID Slots

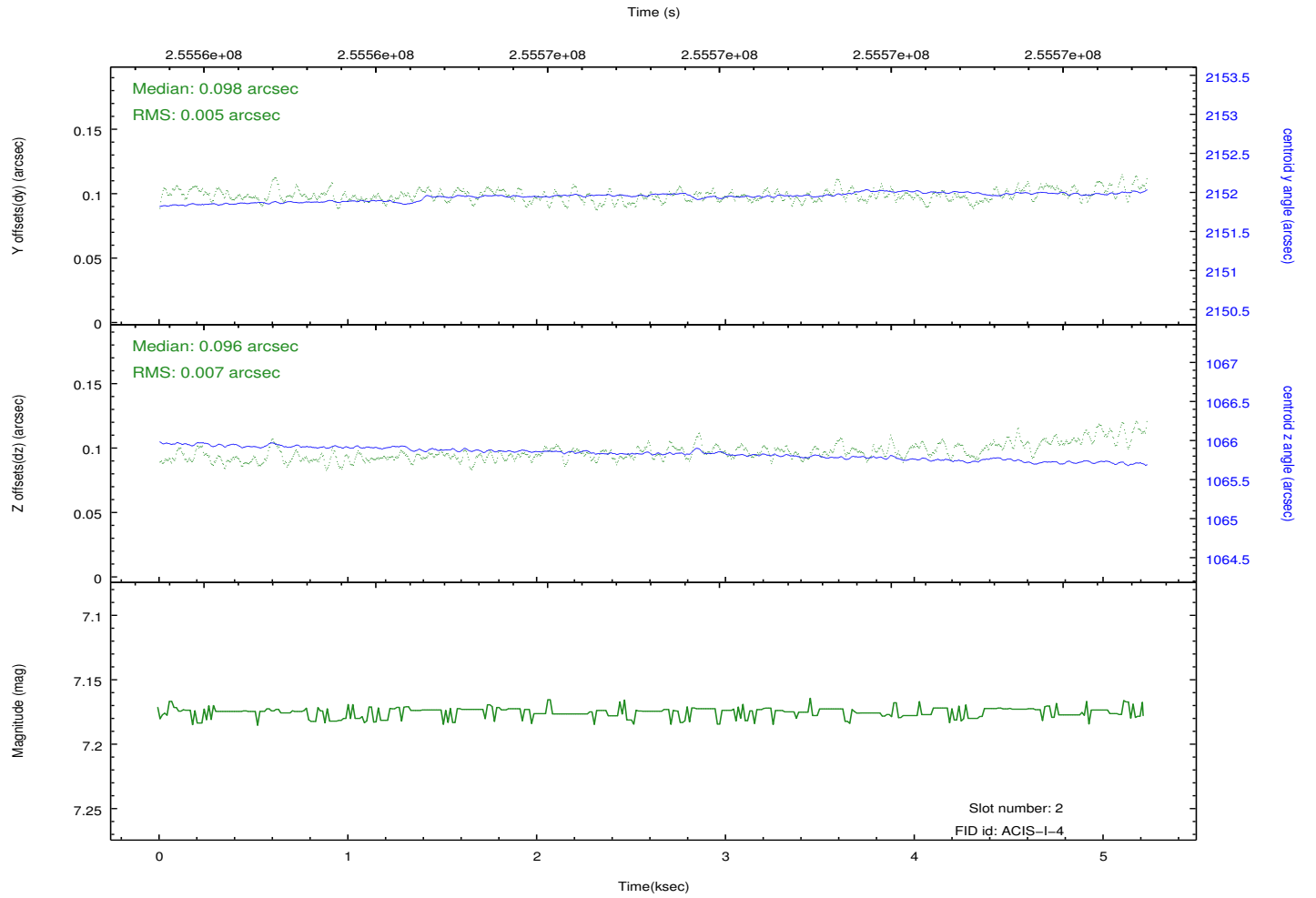
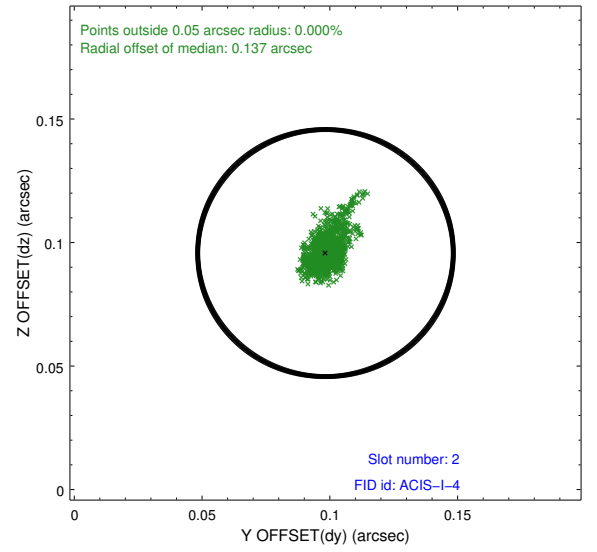
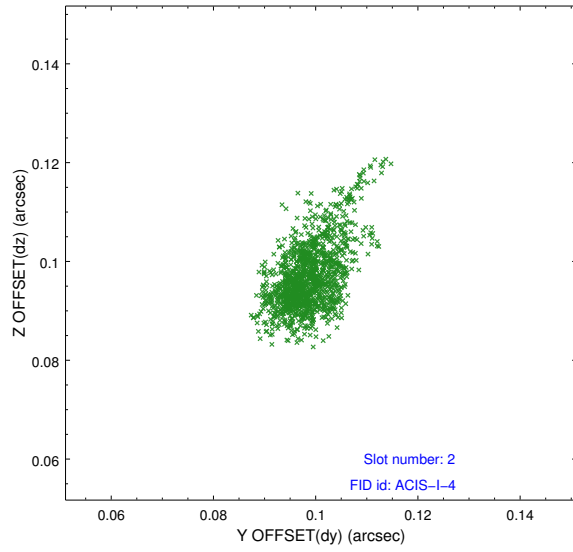
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95679998

A.2 Comments