

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3055 - L2 Version 3
Chandra X-Ray Center

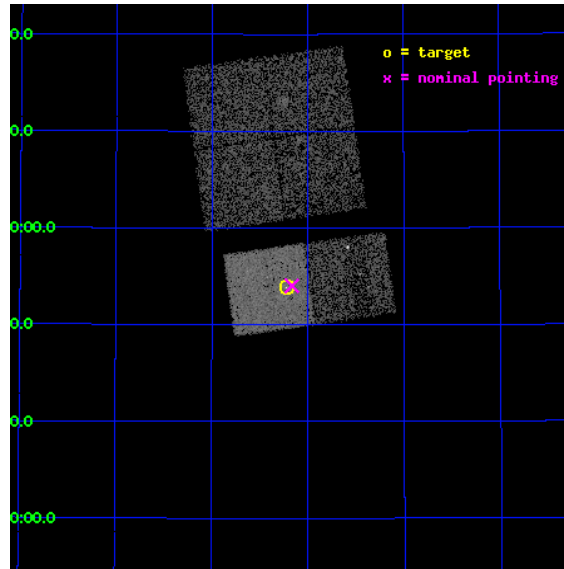
L2 Processing Date : Oct 4 2012

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1 Front

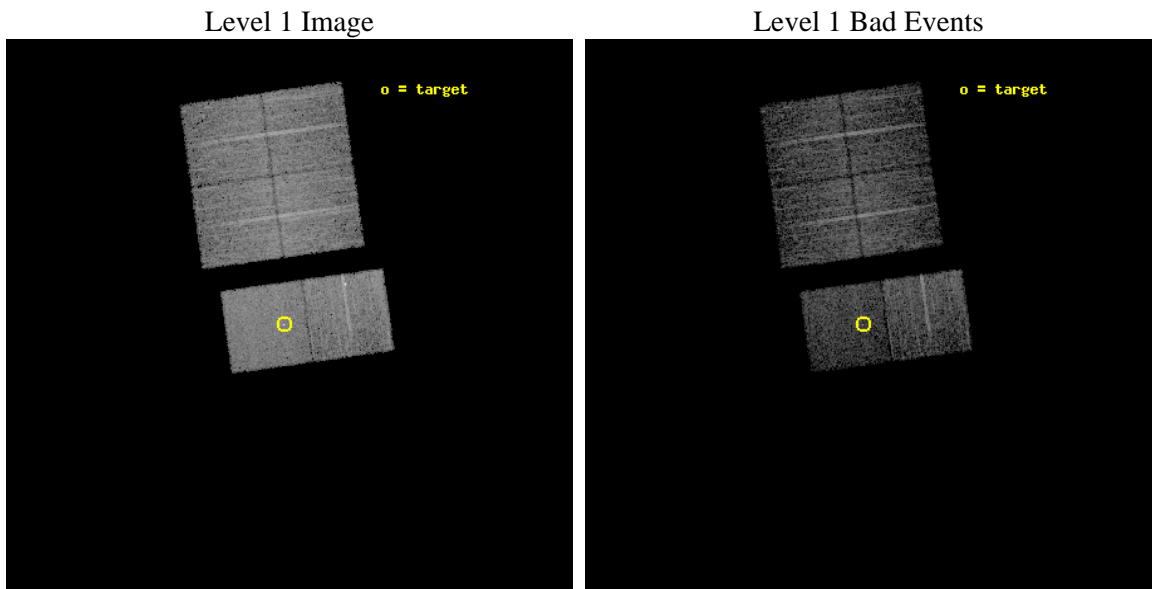
seq_num	700494	Sequence number
obs_id	3055	Observation id
title	FRUSTRATED GPS QUASARS	Proposal title
observer	Dr. Willem De Vries	Principal investigator
object	Q1231+481	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.555417	Observer's specified target RA [deg]
dec_targ	47.897444	Observer's specified target Dec [deg]
ra_nom	188.54172826048	Nominal RA [deg]
dec_nom	47.900400678017	Nominal Dec [deg]
roll_nom	171.97983439892	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4819.2000044733	Sum of GTIs [s]
livetime	4758.1763922428	Livetime [s]
ontime0	4819.2000044733	Sum of GTIs [s]
ontime1	4819.2000044733	Sum of GTIs [s]
ontime2	4819.2000044733	Sum of GTIs [s]
ontime3	4819.2000044733	Sum of GTIs [s]
ontime6	4819.2000044733	Sum of GTIs [s]
ontime7	4819.2000044733	Sum of GTIs [s]
l2events	39173	Number of level 2 events



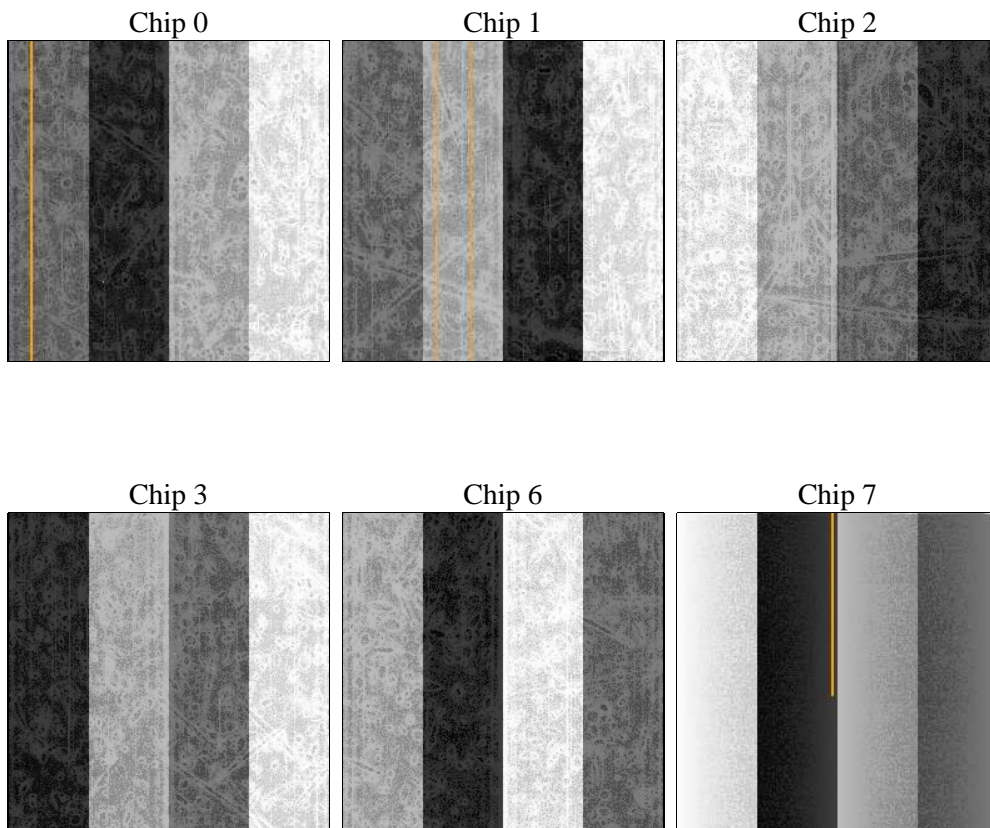
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4819.2000044733	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4819.2000044733	Sum of GTIs [s]
date	2012-10-04T11:56:49	Date and time of file creation	ontime1	4819.2000044733	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4819.2000044733	Sum of GTIs [s]
			ontime3	4819.2000044733	Sum of GTIs [s]
			ontime6	4819.2000044733	Sum of GTIs [s]
			ontime7	4819.2000044733	Sum of GTIs [s]
			l1events	245505	Number of level 1 events

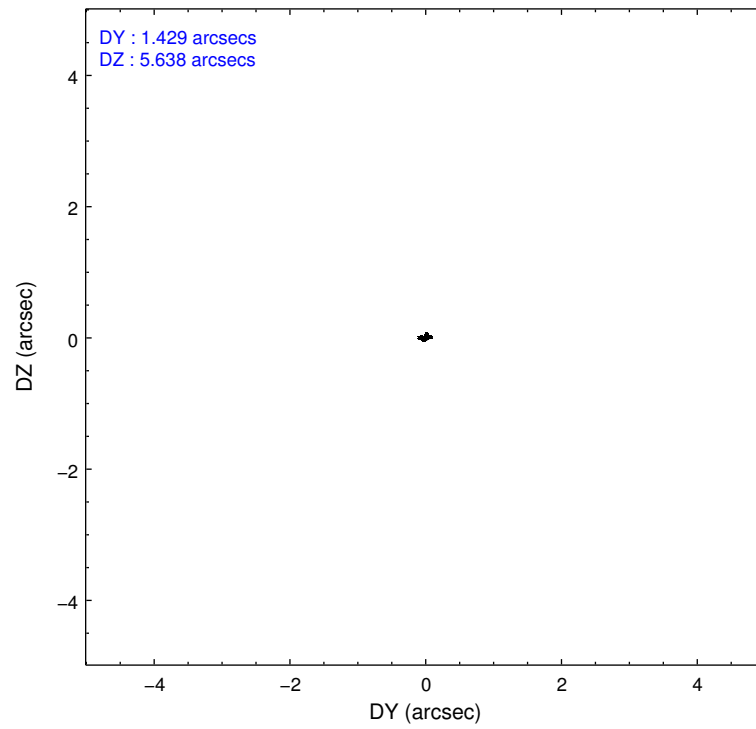
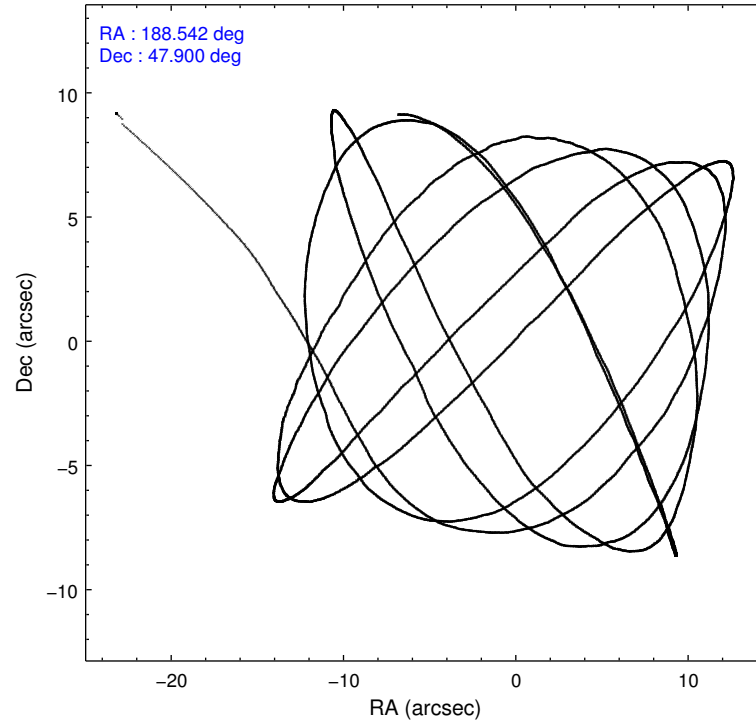
2.1.4 Events

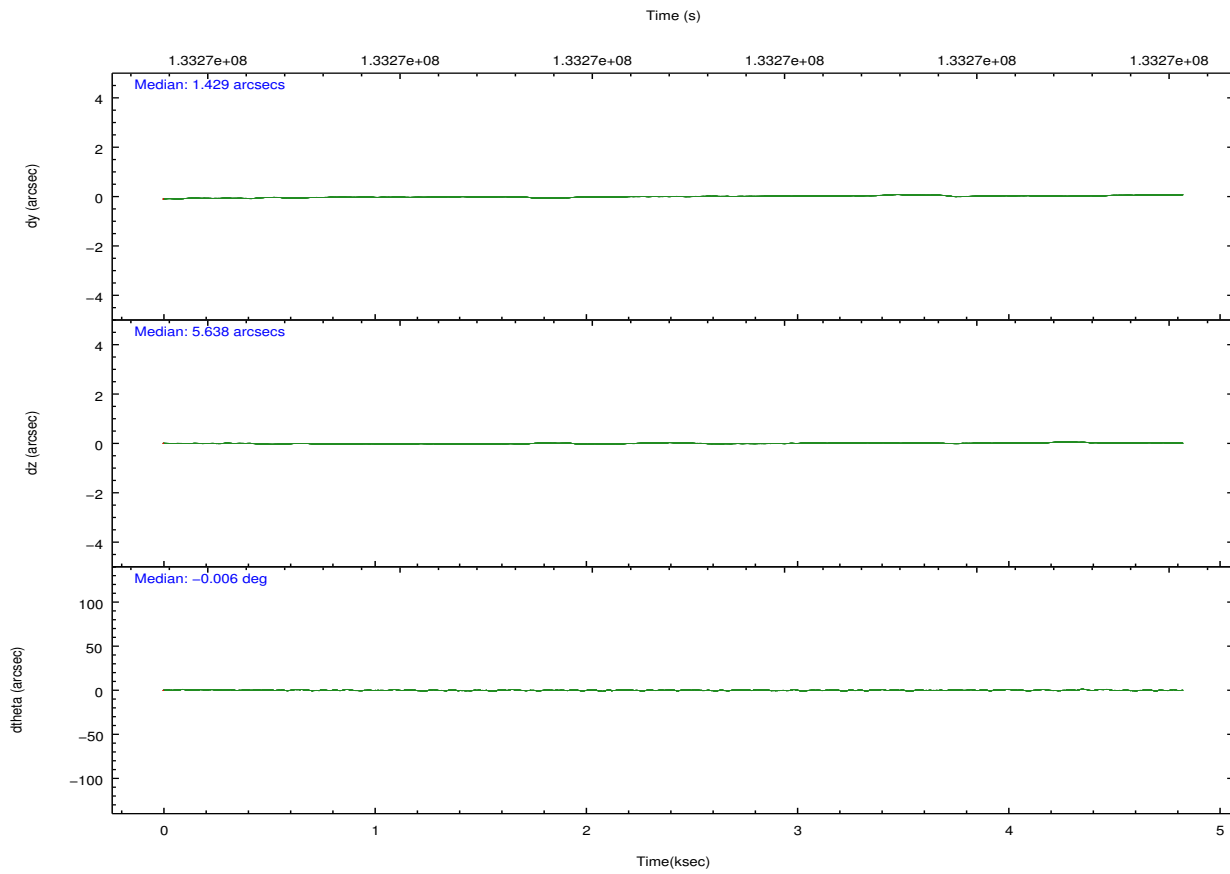
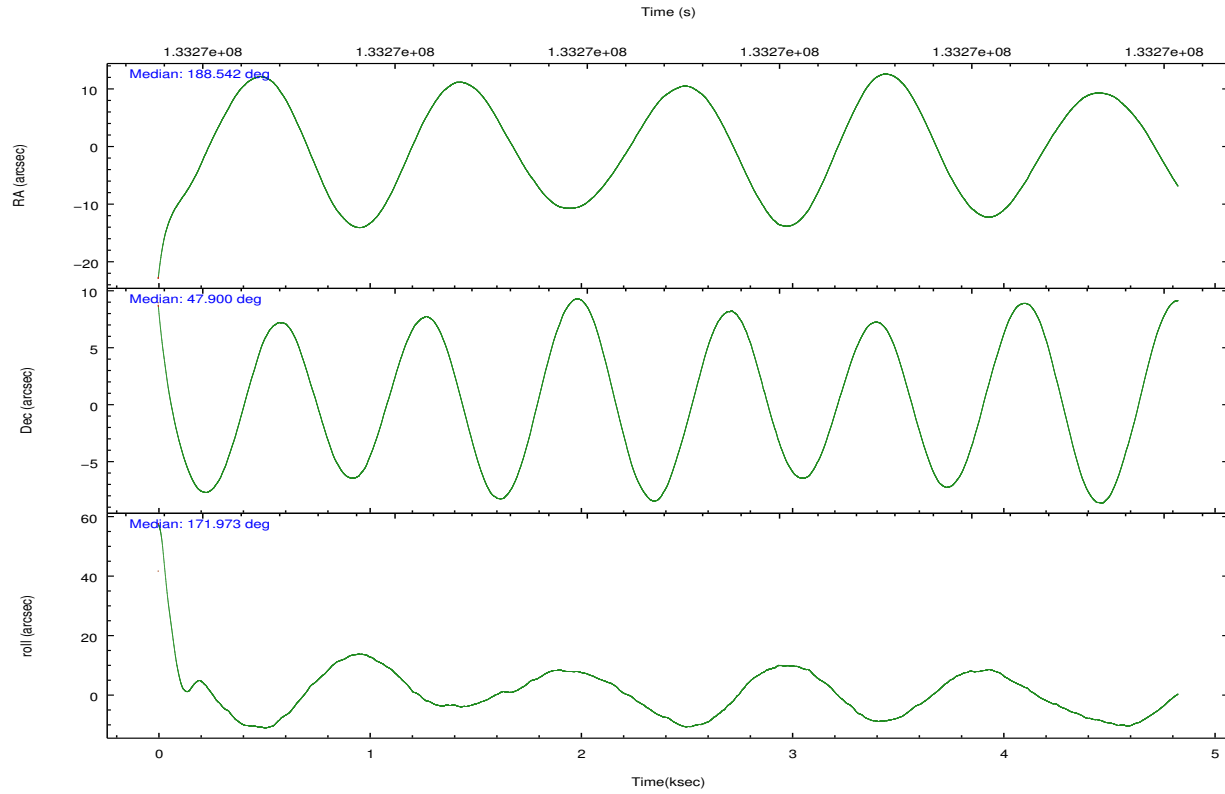
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	36918	36625	43483	40127	44932	43420	grade 0 events	2324	1874	2522	1856	2839	2184
rejected events	31149	31526	37516	35421	38651	25114		6%	5%	5%	4%	6%	5%
rejected %	84%	86%	86%	88%	86%	57%	grade 1 events	20	10	25	20	18	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	1877	1492	1832	1296	1858	4067
								5%	4%	4%	3%	4%	9%
							grade 3 events	363	393	354	342	389	1712
								0%	1%	0%	0%	0%	3%
							grade 4 events	348	410	445	349	377	1785
								0%	1%	1%	0%	0%	4%
							grade 5 events	1175	1257	1115	1185	1341	3987
								3%	3%	2%	2%	2%	9%
							grade 6 events	1099	1144	1016	1039	1054	9273
								2%	3%	2%	2%	2%	21%
							grade 7 events	29712	30045	36174	34040	37056	20339
								80%	82%	83%	84%	82%	46%

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	188.579176	188.5417282604828	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.910973	47.90040067801674	Alternating exposures requested	N	N
[deg] Pointing Roll	171.795275	171.9798343989231	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	133266133.184000	133264997.47069			
Observation start date	2002-03-23T10:21:09	2002-03-23T10:03:17			
[s] Observation end time (MET)	133270833.184000	133271796.29597			
Observation end date	2002-03-23T11:39:29	2002-03-23T11:56:36			
Read mode	TIMED	TIMED			

2.3 Aspect



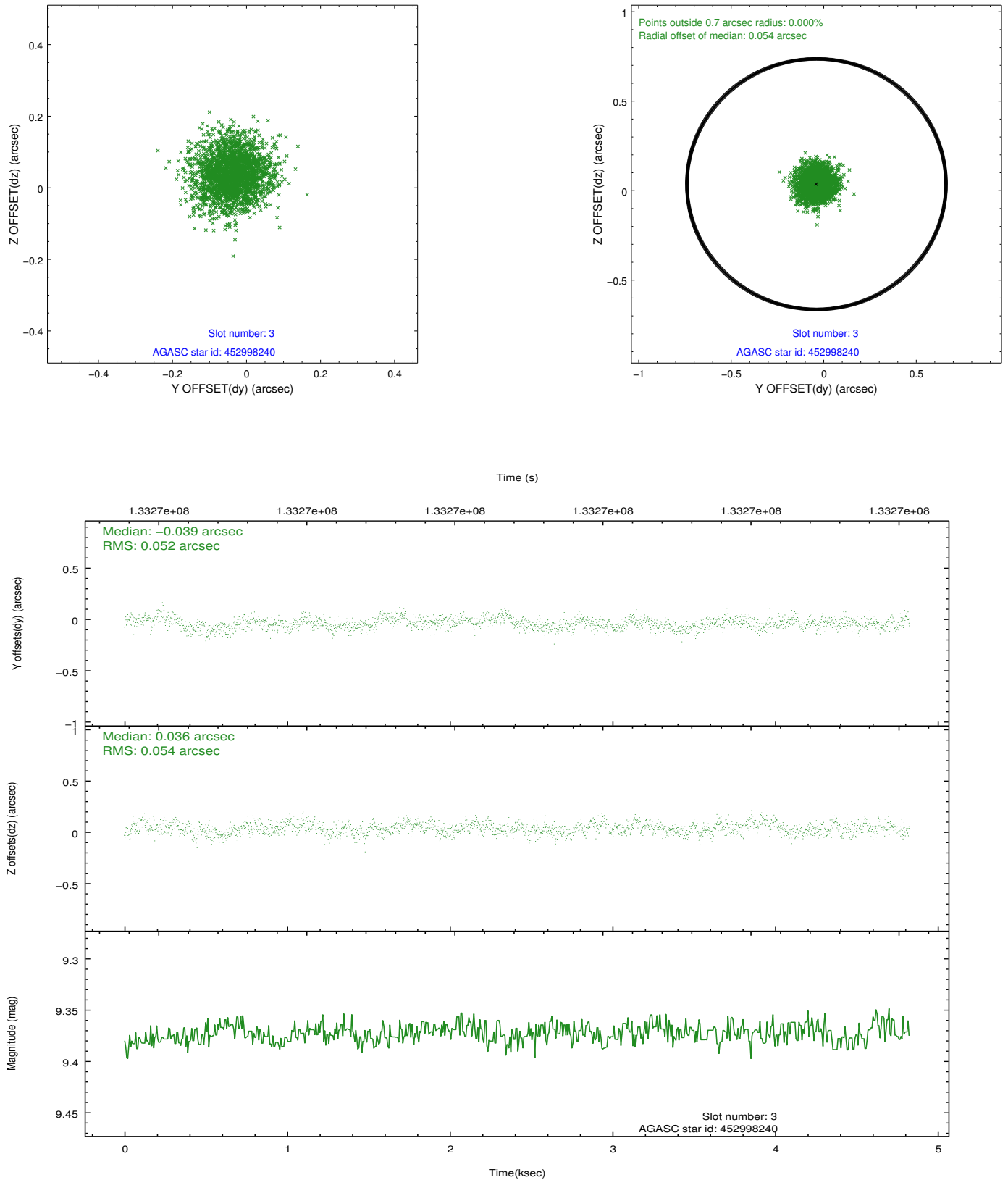


Slot Statistics

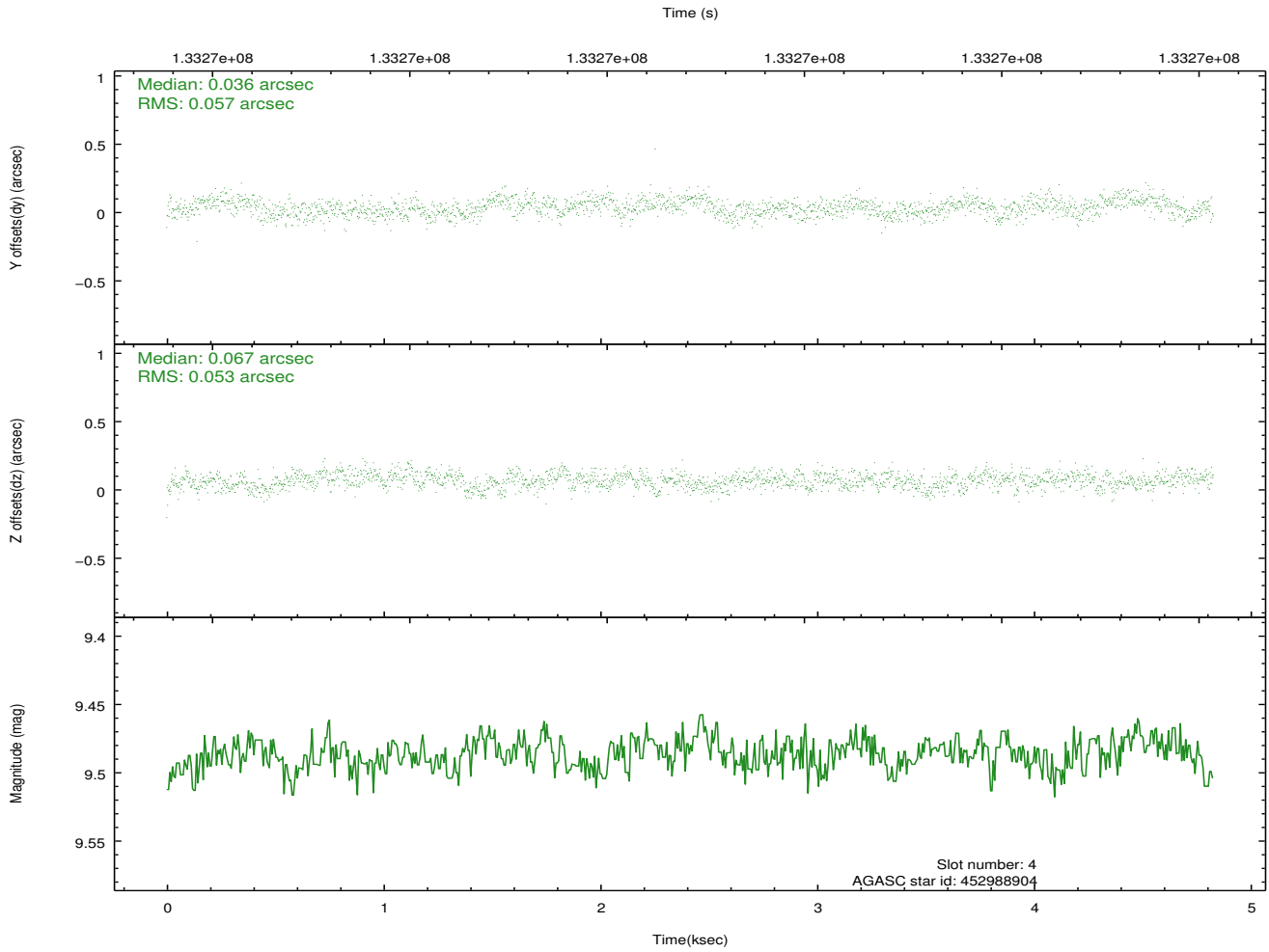
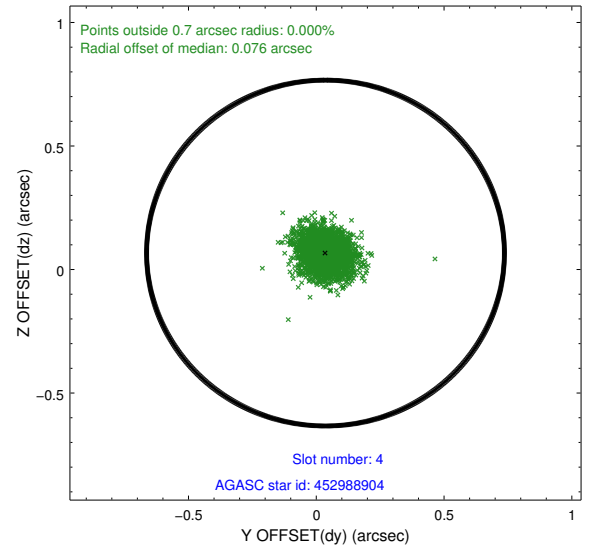
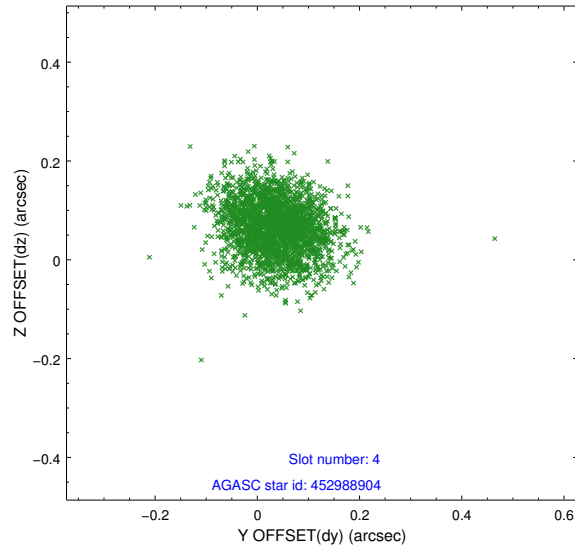
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1178	-0.052	0.007	0.007	0.011	0.000000	0.000000	-754.03	-1726.73
1	FID	ACIS-S-4	7.21	1178	-0.011	0.023	0.006	0.011	0.000000	0.000000	2158.67	180.54
2	FID	ACIS-S-5	7.24	1178	0.032	-0.021	0.006	0.010	0.000000	0.000000	-1805.21	175.51
3	GUIDE	452998240	9.37	2356	-0.039	0.036	0.080	0.129	189.447374	48.065399	-1986.72	-860.82
4	GUIDE	452988904	9.49	2353	0.036	0.067	0.082	0.134	187.918892	48.028746	1633.57	-200.27
5	GUIDE	452999160	9.65	2356	-0.001	-0.008	0.097	0.158	187.764367	47.417786	1712.71	2029.89
6	GUIDE	452991344	9.75	2355	0.048	-0.068	0.113	0.194	188.989967	48.196898	-828.08	-1161.87
7	GUIDE	452990256	9.70	2353	-0.039	-0.032	0.128	0.202	187.913903	48.364787	1808.29	-1397.74

2.4 Star Slots

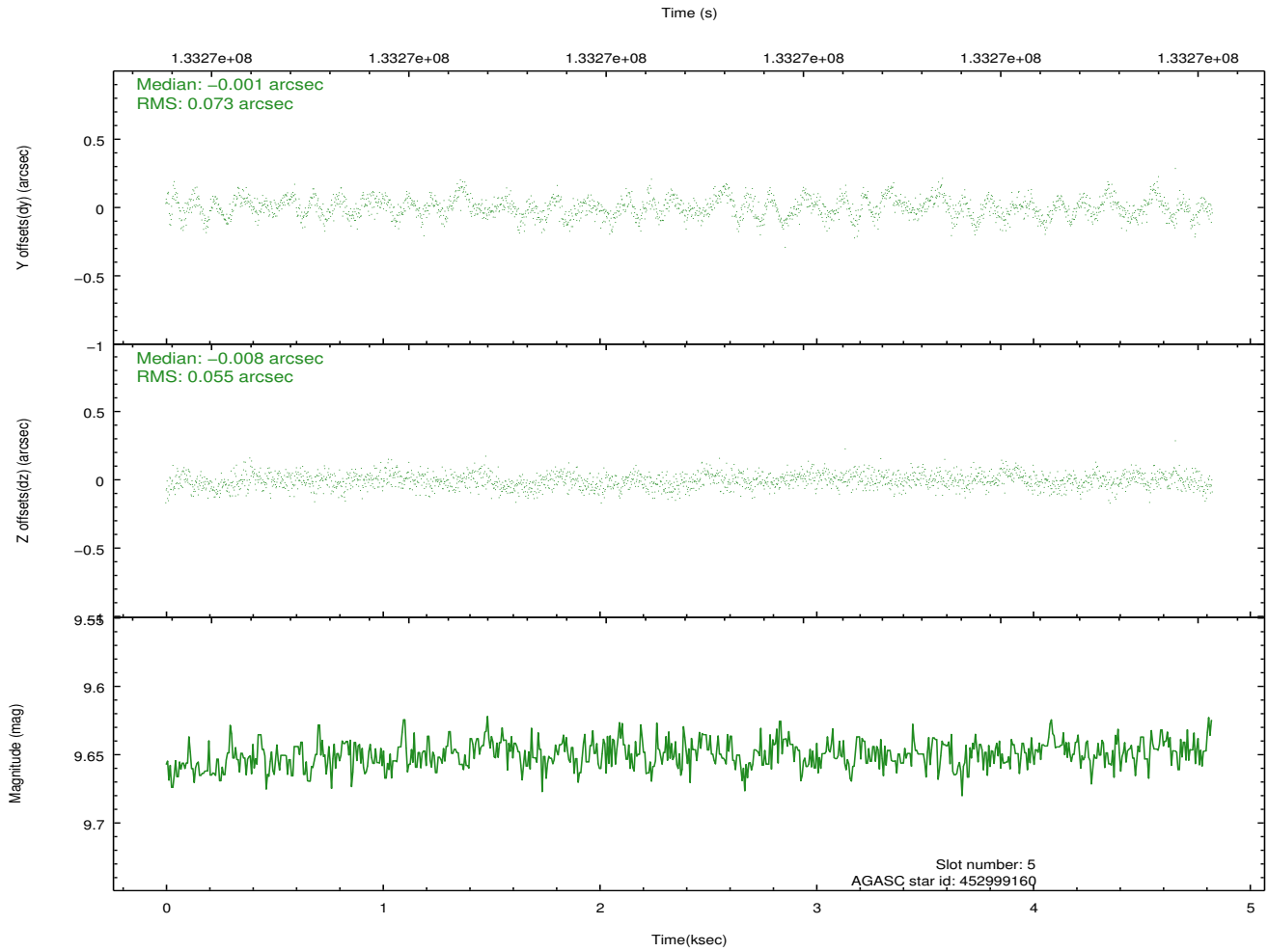
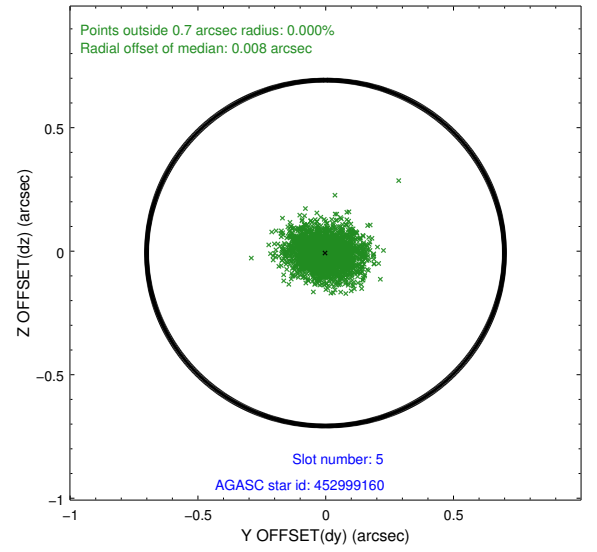
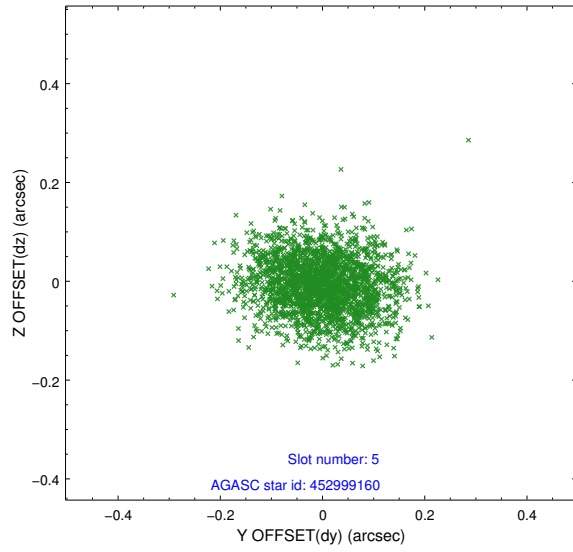
2.4.1 Slot 3



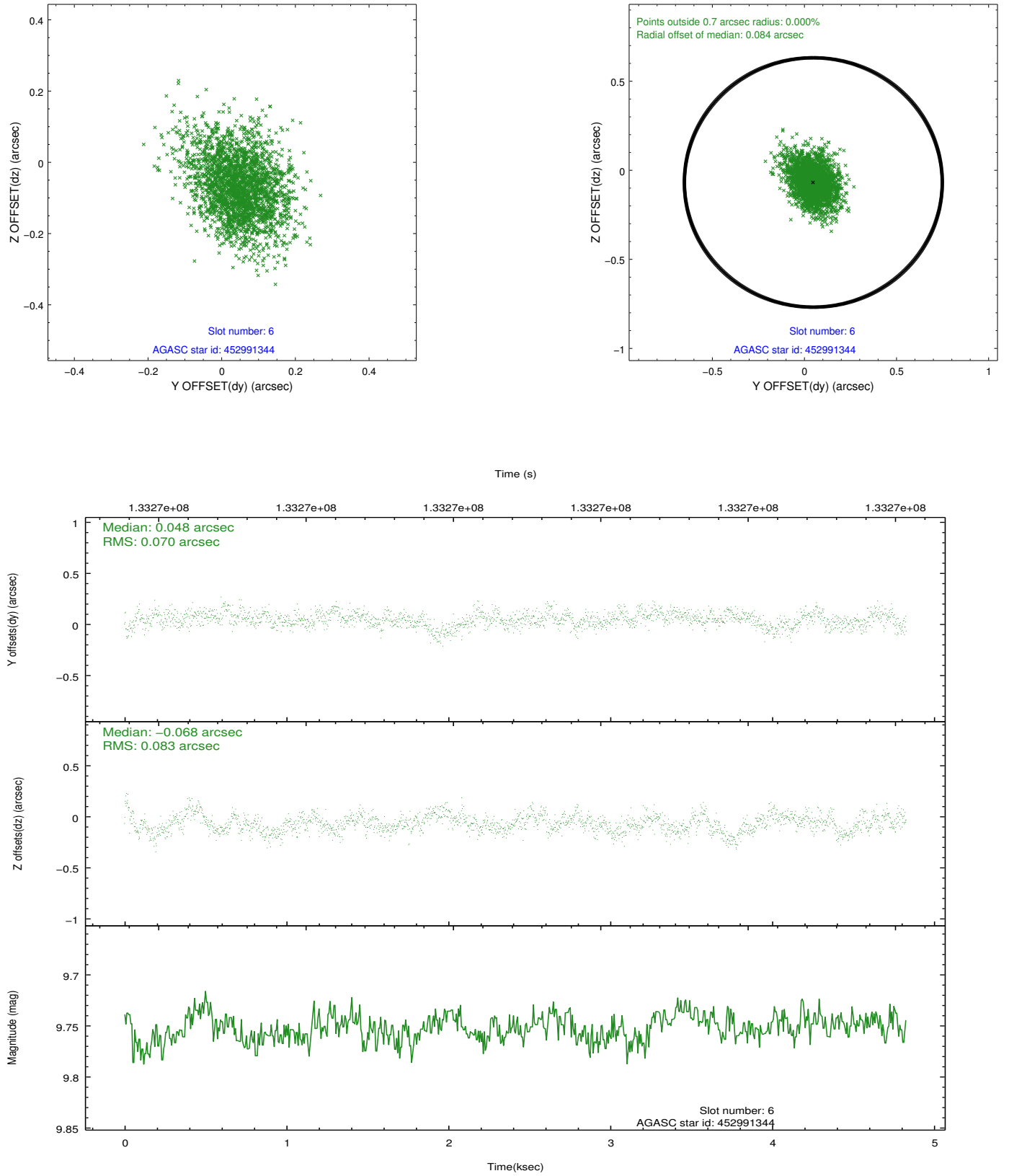
2.4.2 Slot 4



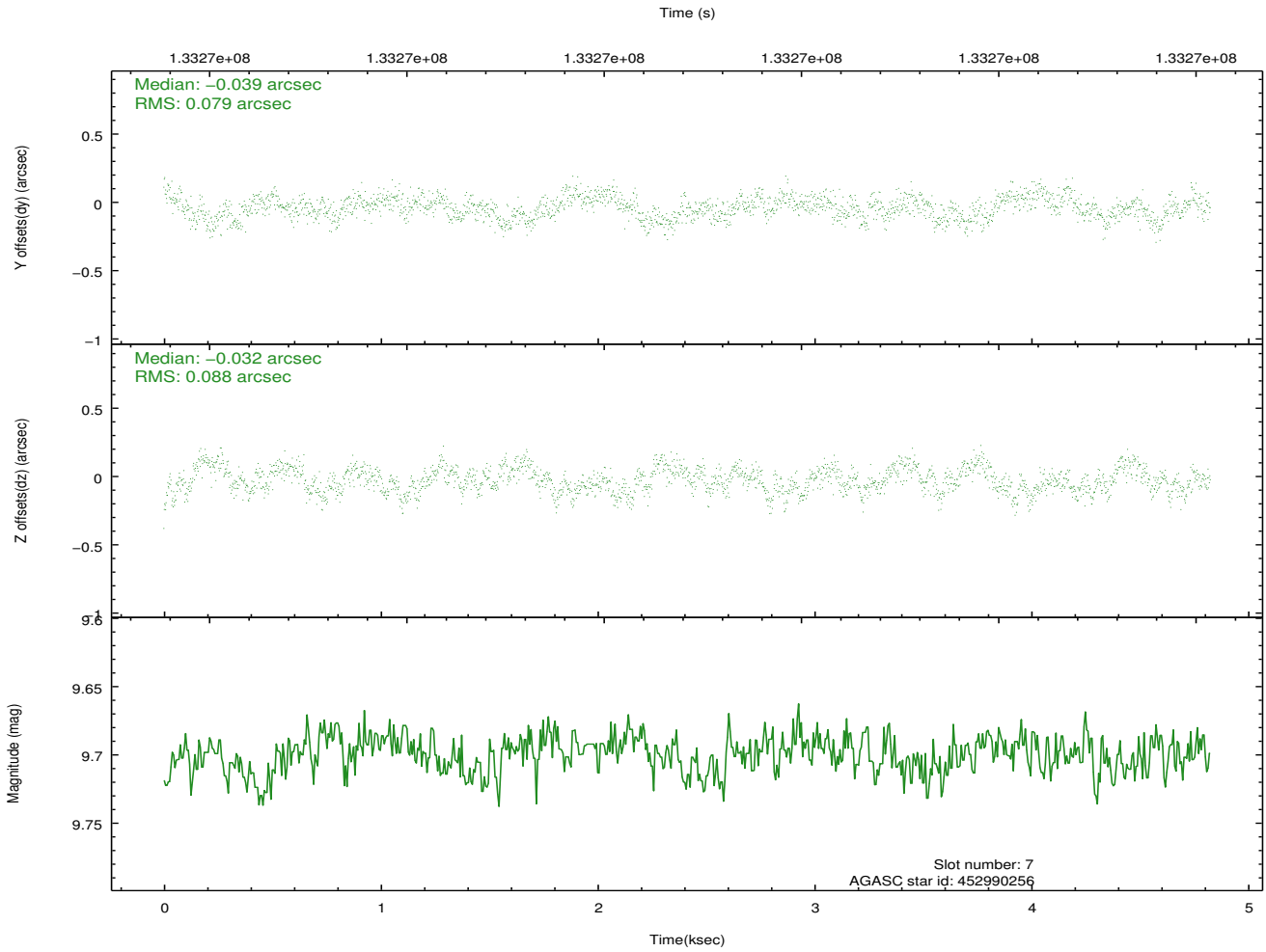
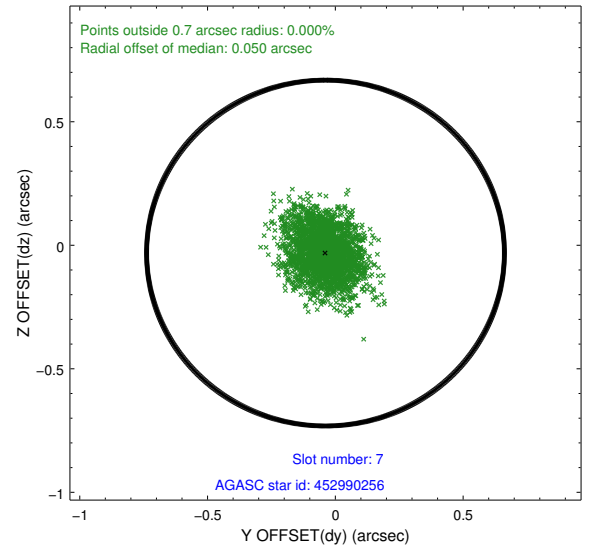
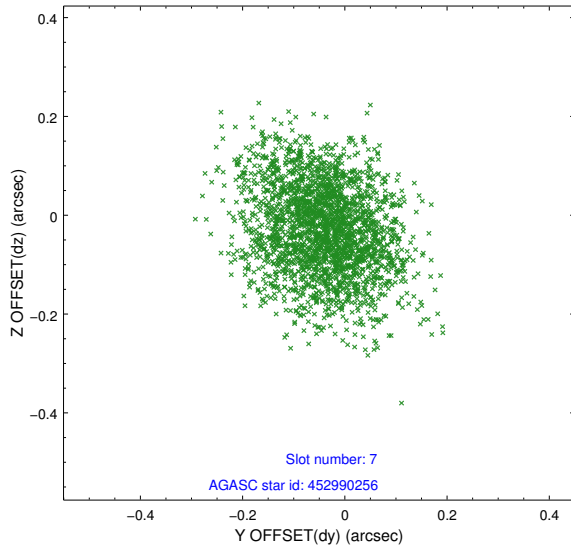
2.4.3 Slot 5



2.4.4 Slot 6

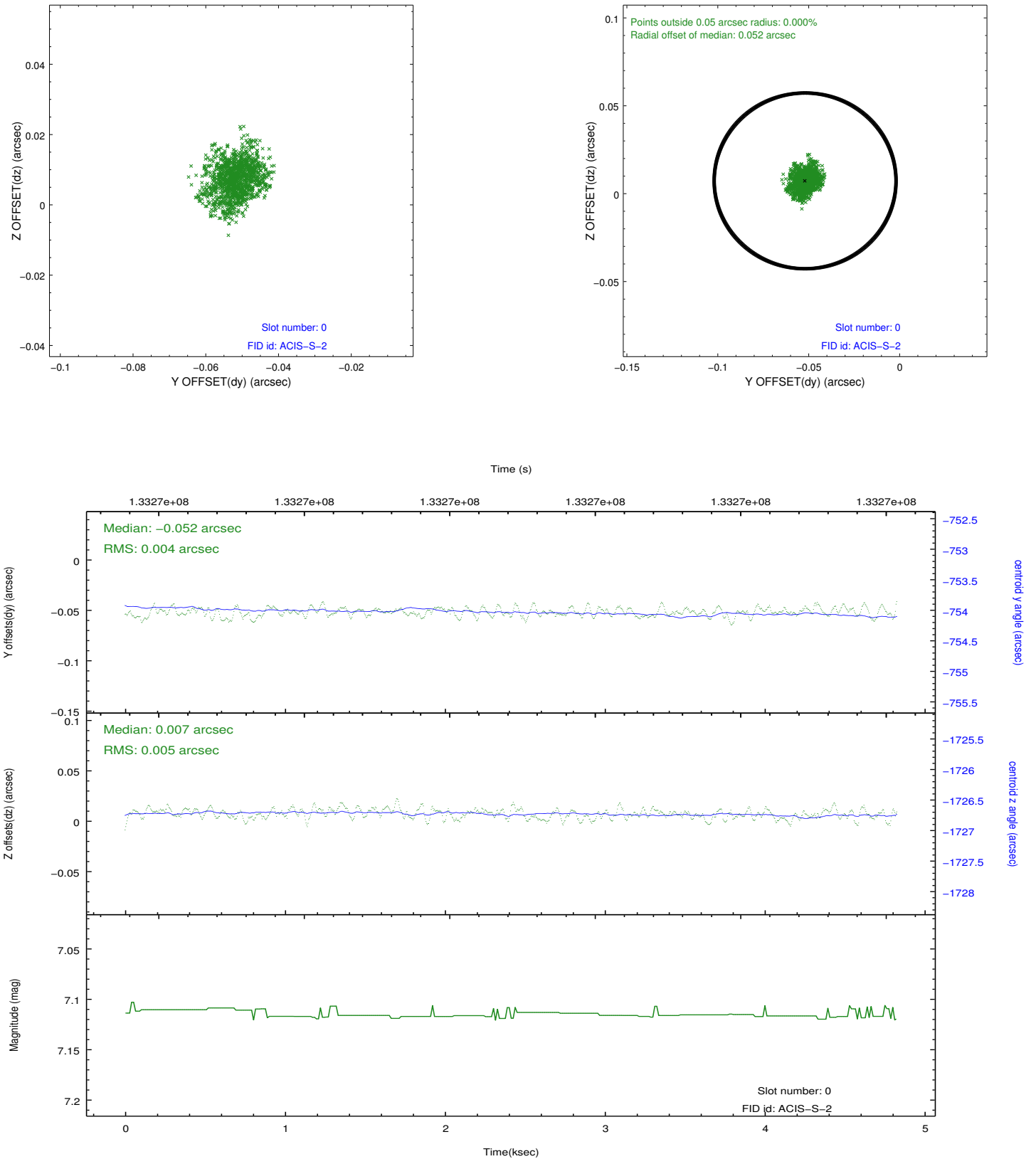


2.4.5 Slot 7

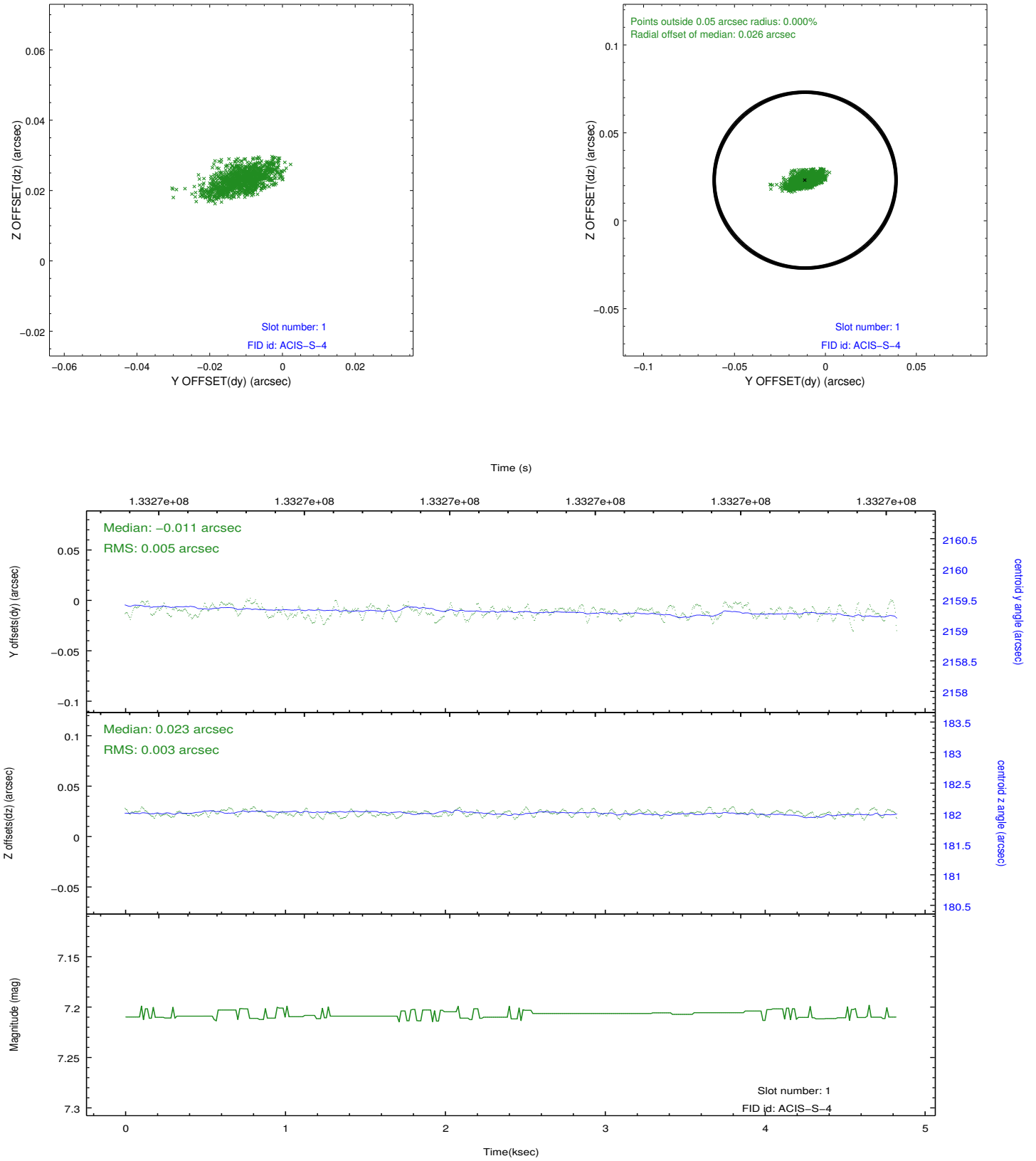


2.5 FID Slots

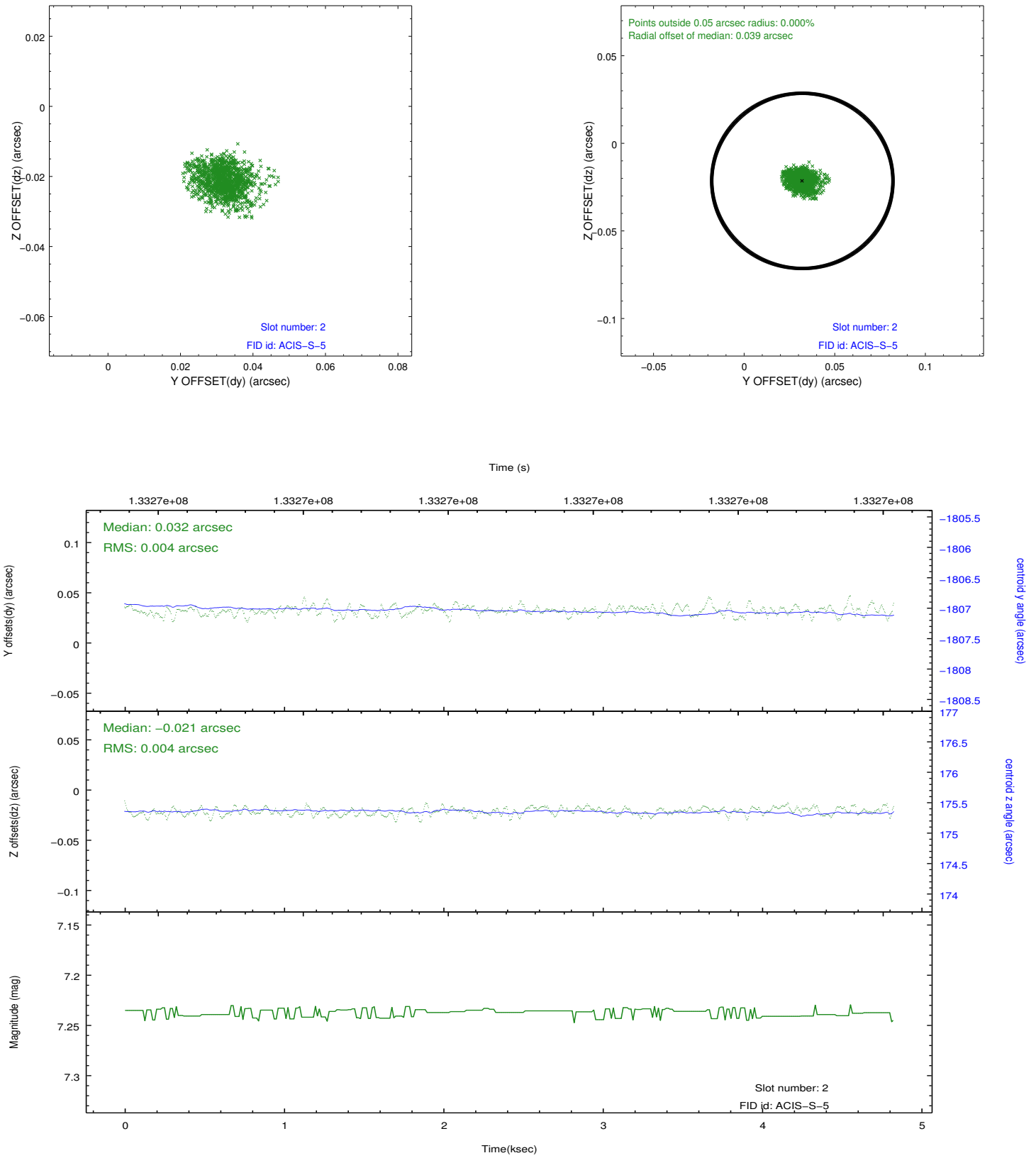
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.819

A.2 Comments