

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8371 - L2 Version 2
Chandra X-Ray Center

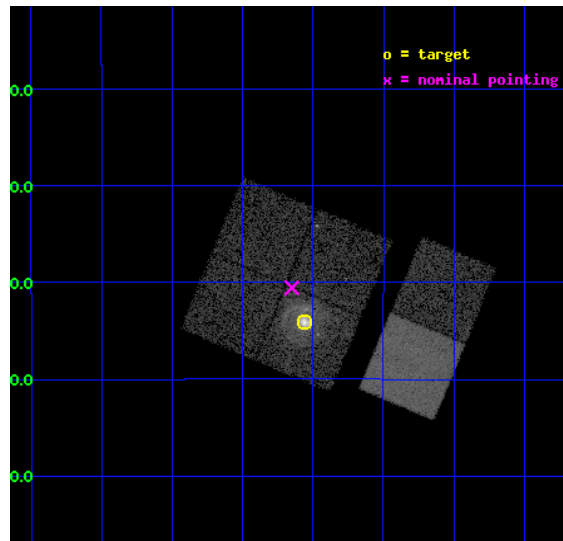
L2 Processing Date : Apr 25 2012

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1 Front

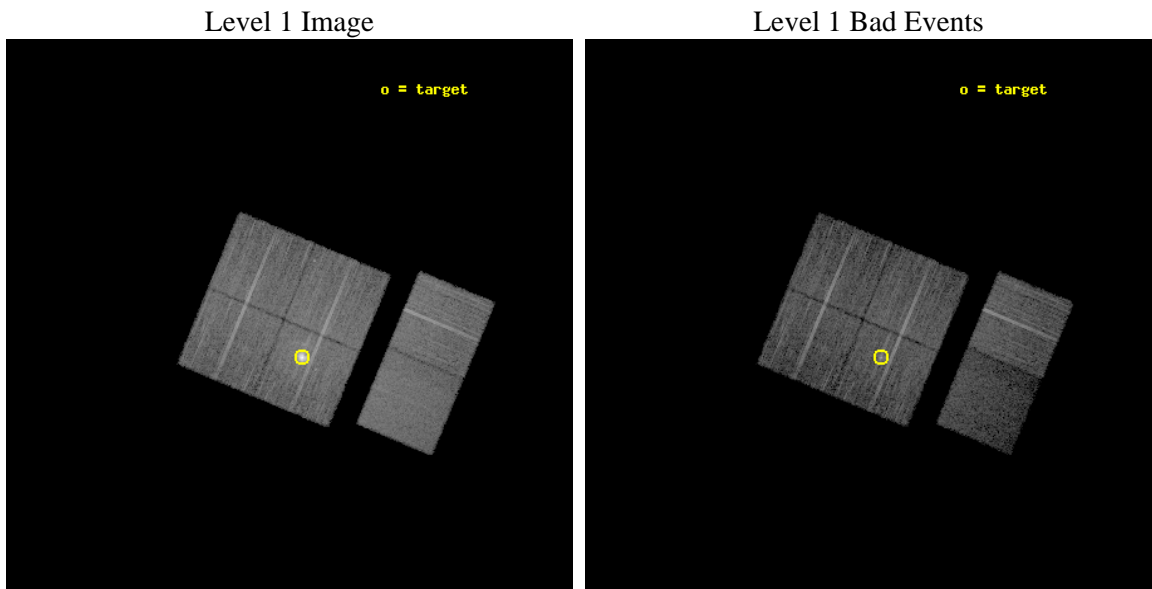
seq_num	590464	Sequence number
obs_id	8371	Observation id
title	AO8 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-09[I3,-120,-2.5,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.41244458578	Nominal RA [deg]
dec_nom	-10.509331355381	Nominal Dec [deg]
roll_nom	112.69069707038	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10044.237123907	Sum of GTIs [s]
livetime	9917.0509455302	Livetime [s]
ontime0	10044.114003897	Sum of GTIs [s]
ontime1	10044.1550439	Sum of GTIs [s]
ontime2	10044.196083903	Sum of GTIs [s]
ontime3	10044.237123907	Sum of GTIs [s]
ontime6	10041.078213632	Sum of GTIs [s]
ontime7	10044.27816391	Sum of GTIs [s]
l2events	94098	Number of level 2 events



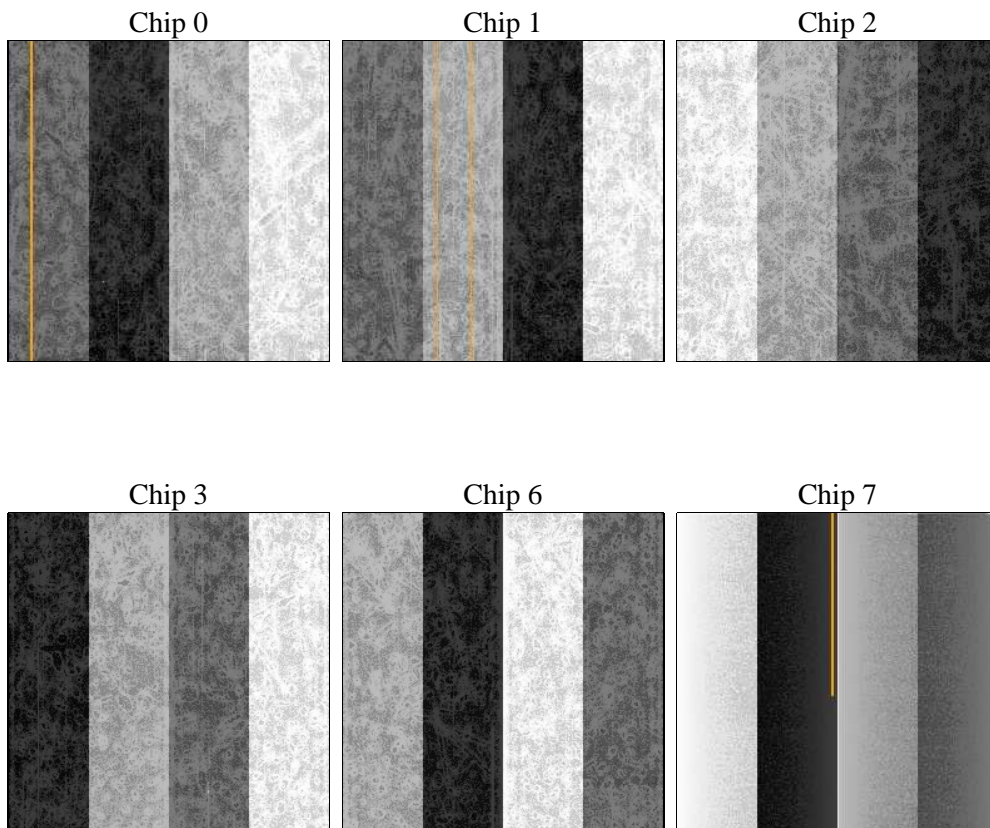
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10044.237123907	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10044.114003897	Sum of GTIs [s]
date	2012-04-25T09:25:46	Date and time of file creation	ontime1	10044.1550439	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10044.196083903	Sum of GTIs [s]
			ontime3	10044.237123907	Sum of GTIs [s]
			ontime6	10041.078213632	Sum of GTIs [s]
			ontime7	10044.27816391	Sum of GTIs [s]
			l1events	465995	Number of level 1 events

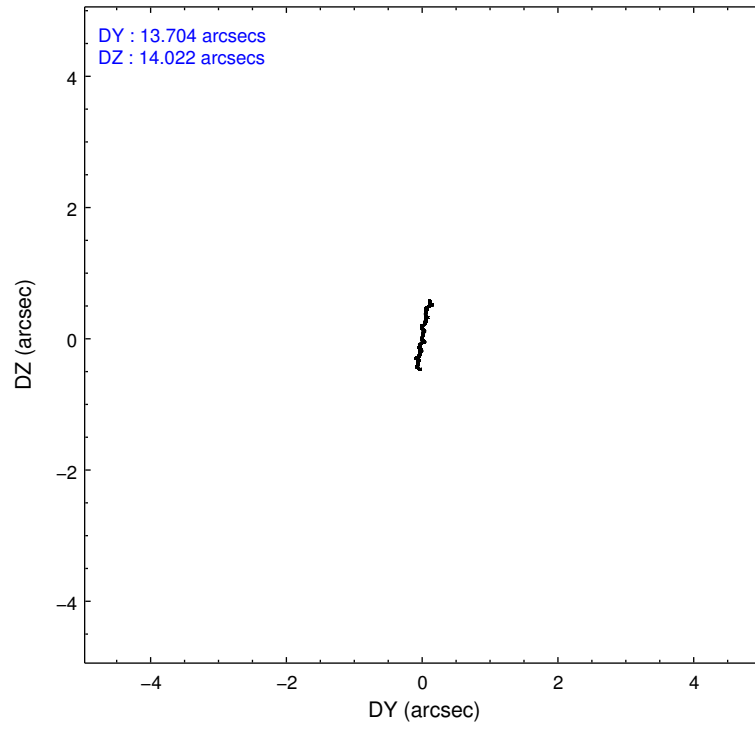
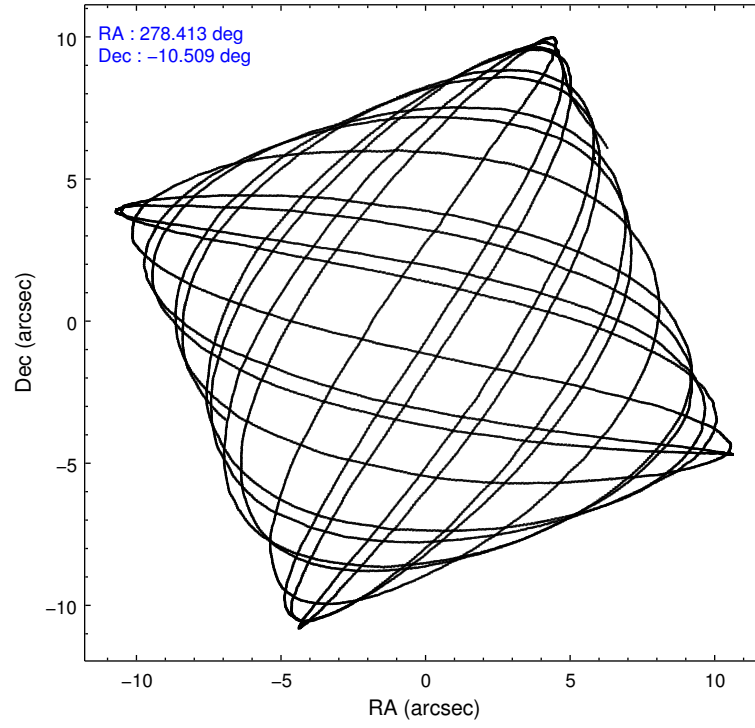
2.1.4 Events

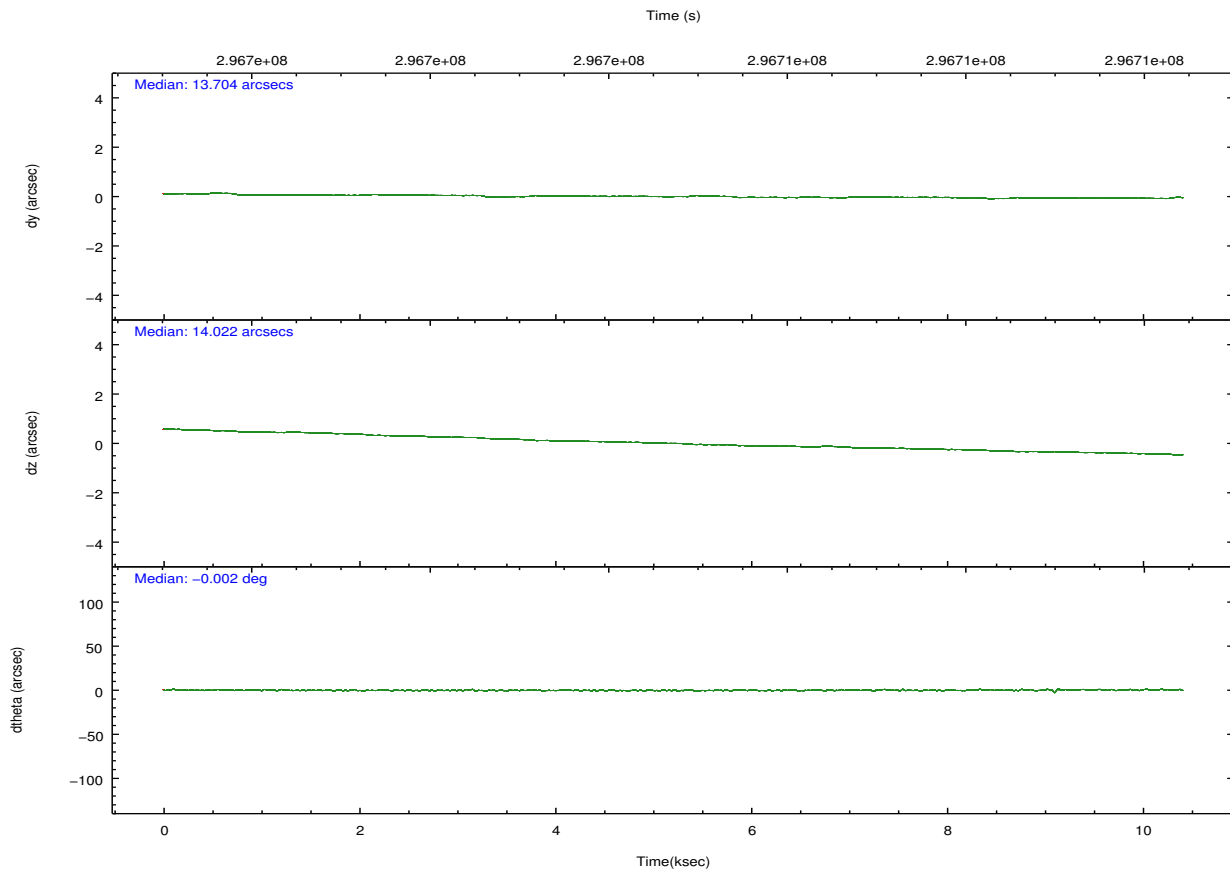
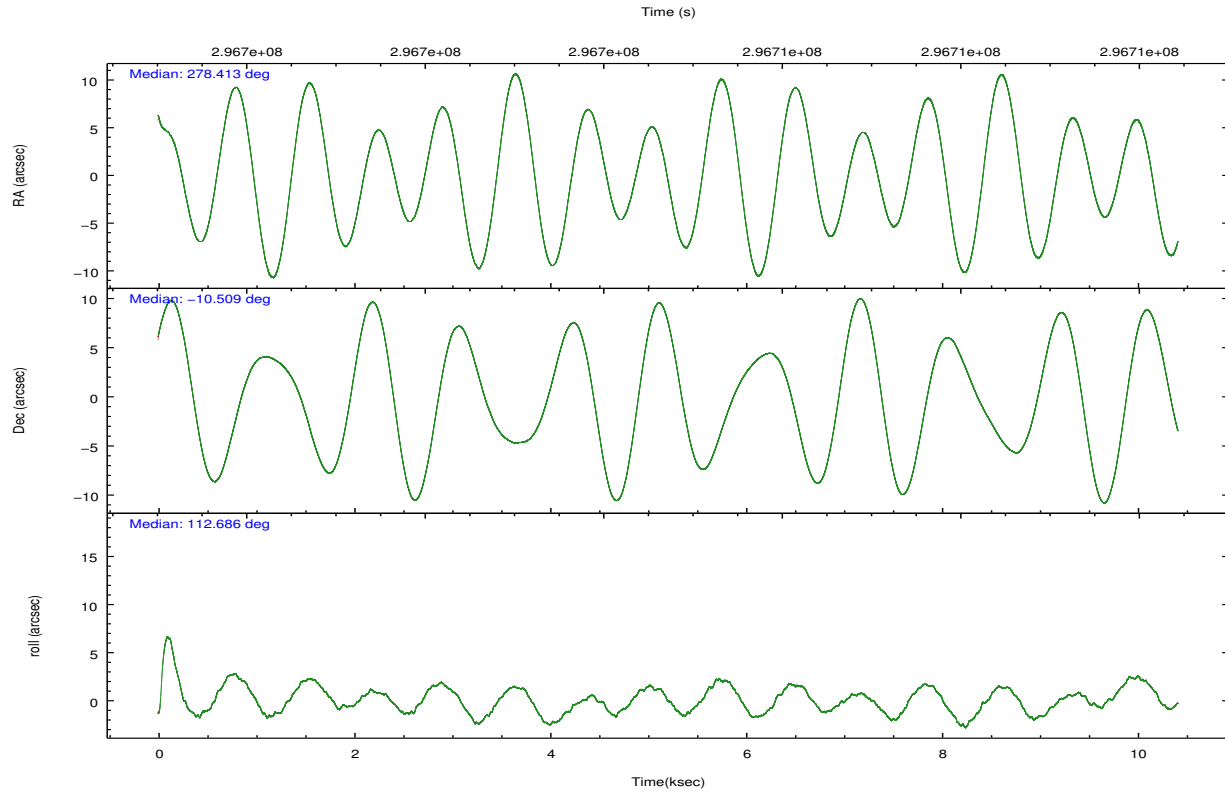
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	68615	67355	79226	102232	78449	70118	grade 0 events	2963	2951	3630	24840	3140	3568
rejected events	60872	59364	70932	65199	70317	35489		4%	4%	4%	24%	4%	5%
rejected %	88%	88%	89%	63%	89%	50%	grade 1 events	40	34	46	319	37	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	1834	1716	1792	5304	1804	7267
								2%	2%	2%	5%	2%	10%
							grade 3 events	841	932	799	2080	868	3271
								1%	1%	1%	2%	1%	4%
							grade 4 events	782	916	851	2093	796	3330
								1%	1%	1%	2%	1%	4%
							grade 5 events	2062	2313	2092	2777	2623	7491
								3%	3%	2%	2%	3%	10%
							grade 6 events	1328	1480	1229	2739	1529	17208
								1%	2%	1%	2%	1%	24%
							grade 7 events	58765	57013	68787	62080	67652	27897
								85%	84%	86%	60%	86%	39%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	278.434783	278.4124445857842	CCD I2 on	Y	Y
[deg] Pointing Dec	-10.525969	-10.50933135538082	CCD I3 on	Y	Y
[deg] Pointing Roll	112.486091	112.6906970703758	CCD S0 on	N	N
[s] Window start time (MET)	286675265.184000	286675265.184000	CCD S1 on	N	N
[s] Window stop time (MET)	296956865.184000	296956865.184000	CCD S2 on	O1	Y
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S3 on	Y	Y
[mm] SIM defocus	0	0.001439871863259334	CCD S4 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S5 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	Number of optional ACIS chips dropped	0	0
[s] Observation start time (MET)	296699923.184000	296698804.99687	On-chip summing requested	N	N
Observation start date	2007-05-28T00:37:38	2007-05-28T00:20:04	Subarray requested	NONE	NONE
[s] Observation end time (MET)	296709923.184000	296710179.42242	Alternating exposures requested	N	N
Observation end date	2007-05-28T03:24:18	2007-05-28T03:29:39	[s] Primary exposure time	0.000000	3.2
Read mode	TIMED	TIMED			

2.3 Aspect



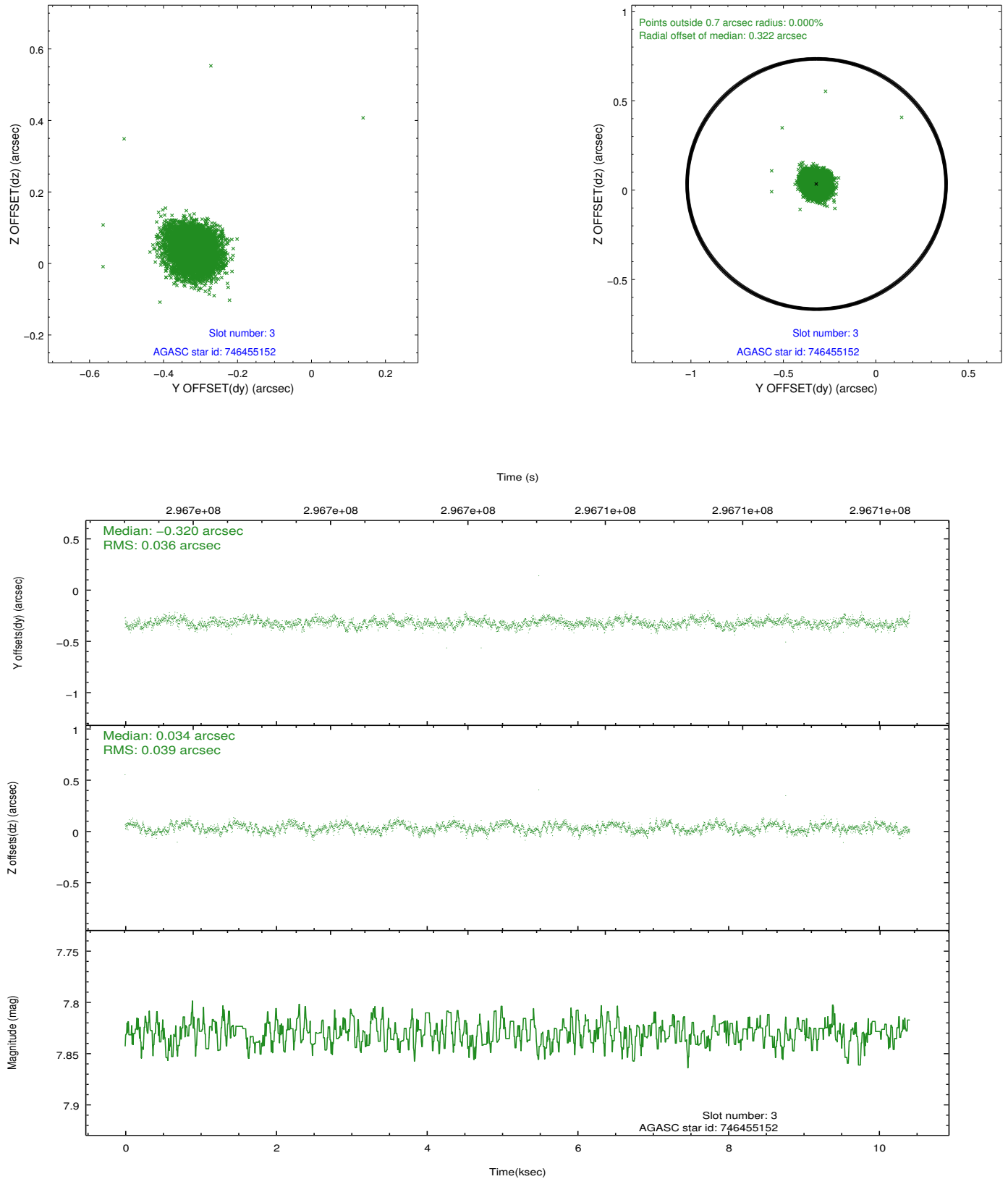


Slot Statistics

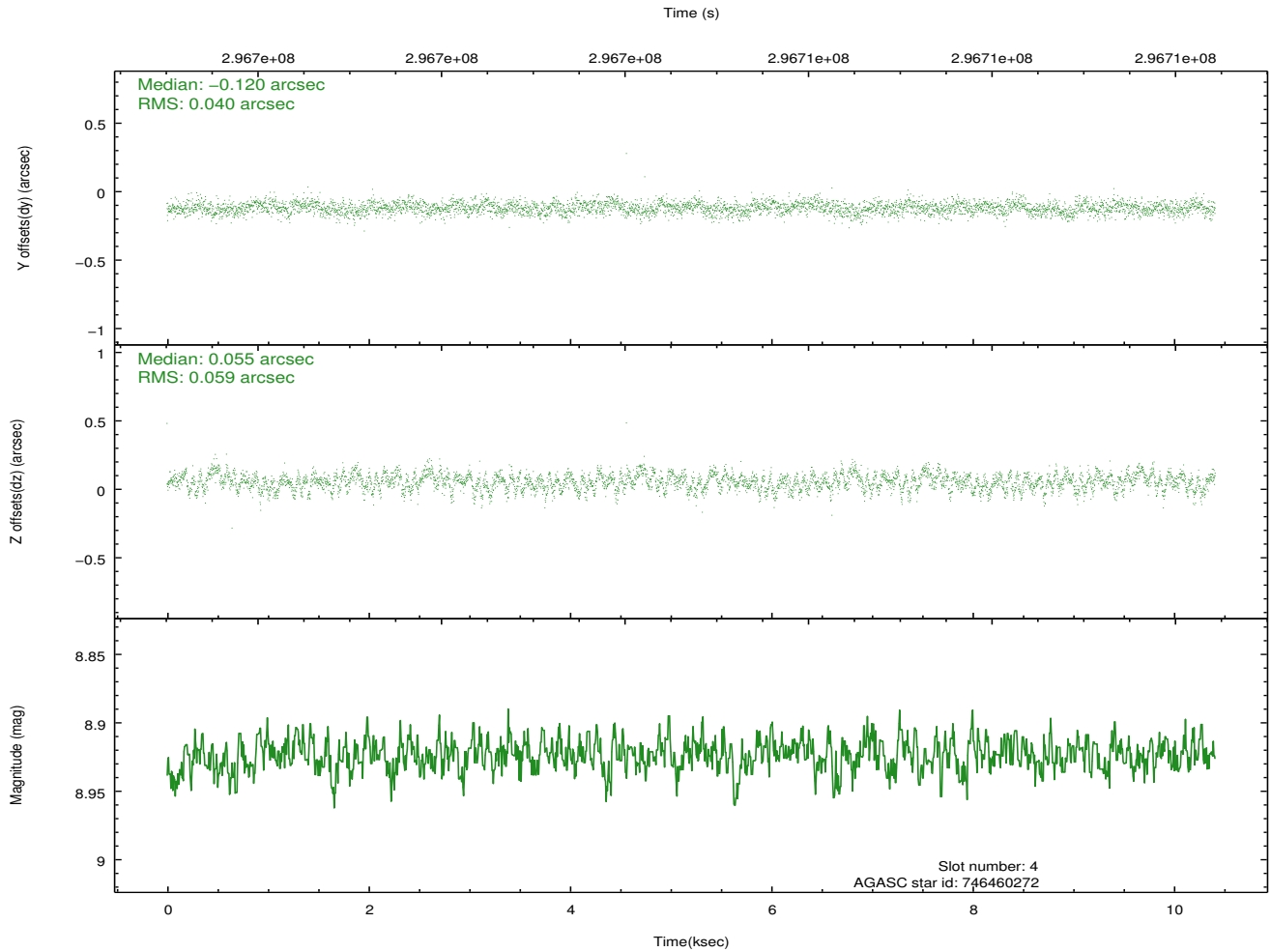
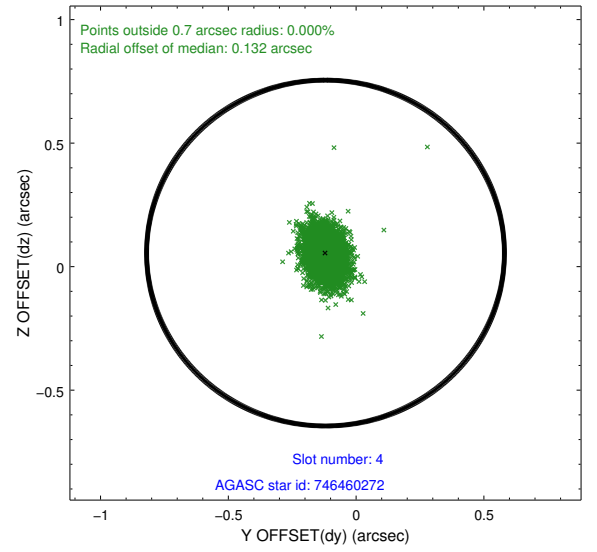
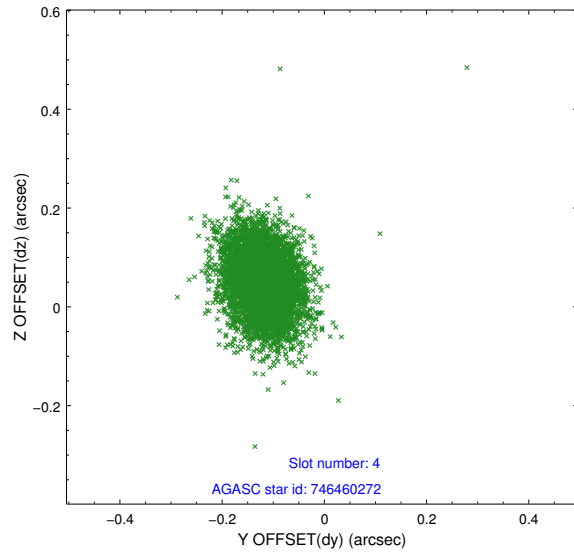
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	2540	0.027	0.017	0.008	0.014	0.000000	0.000000	925.82	-837.60
1	FID	ACIS-I-5	7.22	2539	-0.208	0.037	0.007	0.011	0.000000	0.000000	-1822.26	1059.64
2	FID	ACIS-I-6	7.23	2540	0.090	0.016	0.011	0.019	0.000000	0.000000	390.86	1704.71
3	GUIDE	746455152	7.83	5080	-0.320	0.034	0.056	0.087	278.447893	-9.976732	1809.02	-798.74
4	GUIDE	746460272	8.92	5072	-0.120	0.055	0.074	0.123	278.847488	-10.152127	683.82	-1865.45
5	GUIDE	746462392	8.53	5079	0.174	-0.001	0.070	0.112	279.038421	-10.890715	-2032.50	-1469.39
6	GUIDE	746462456	8.38	5076	0.122	-0.134	0.069	0.113	278.652171	-10.530173	-309.61	-705.04
7	GUIDE	746462680	9.02	5075	0.146	0.045	0.084	0.137	278.660755	-10.782756	-1159.82	-384.66

2.4 Star Slots

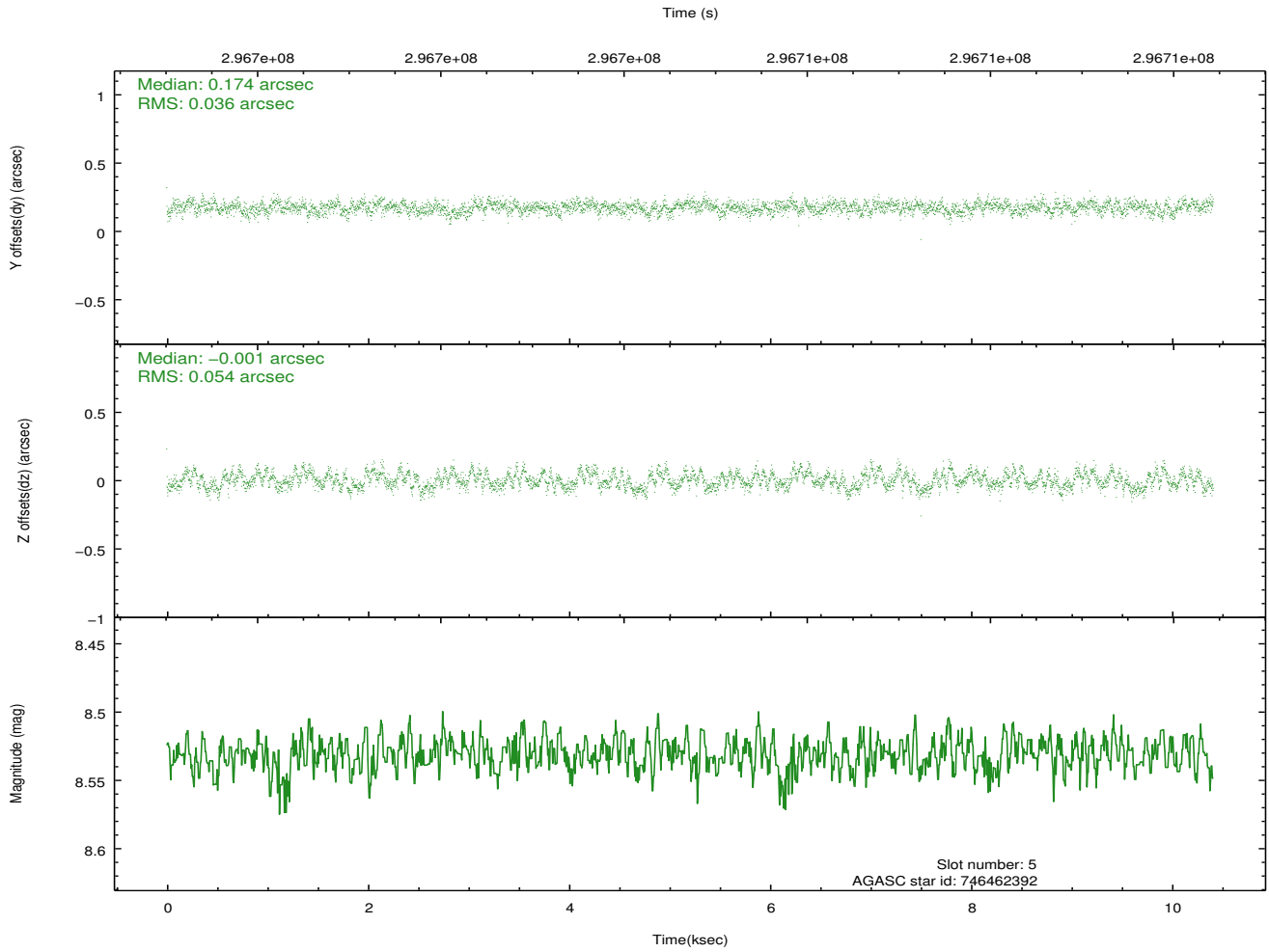
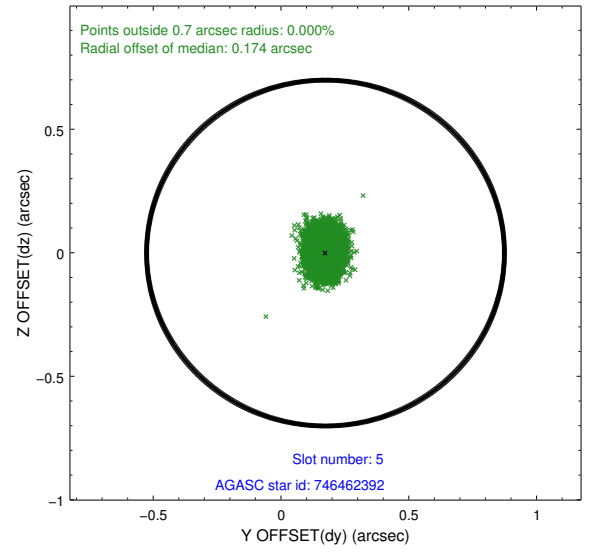
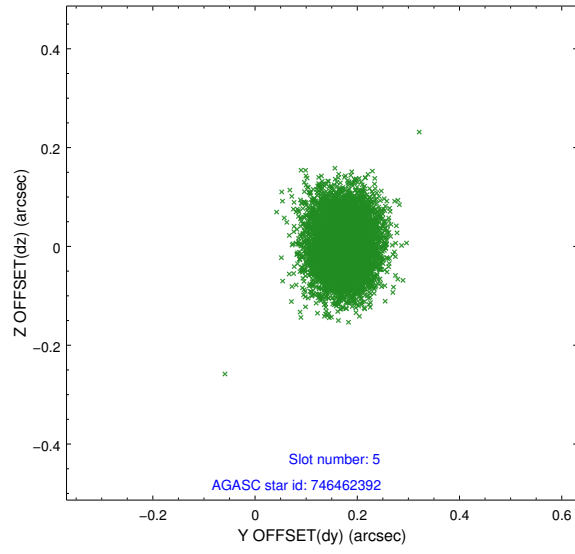
2.4.1 Slot 3



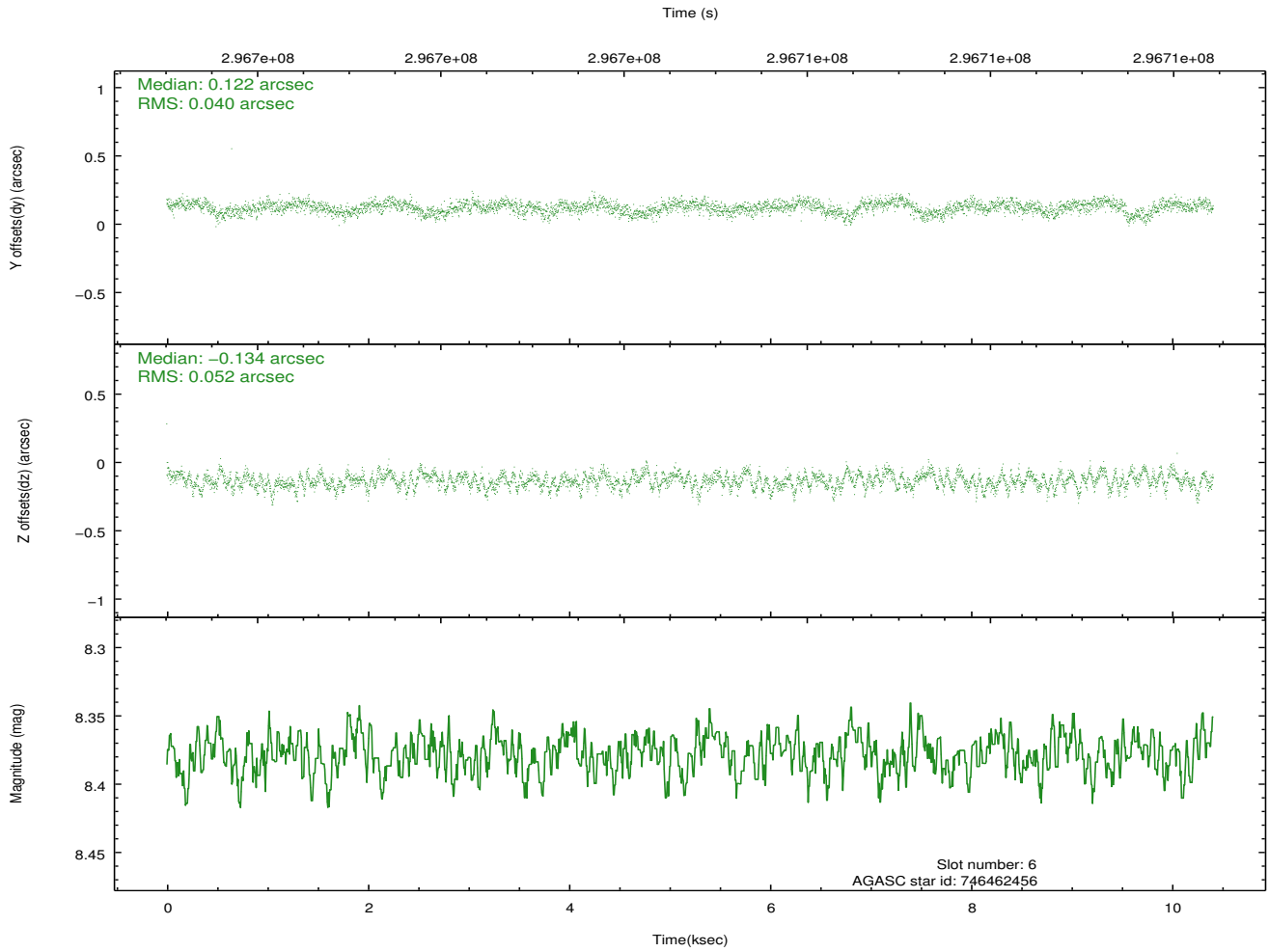
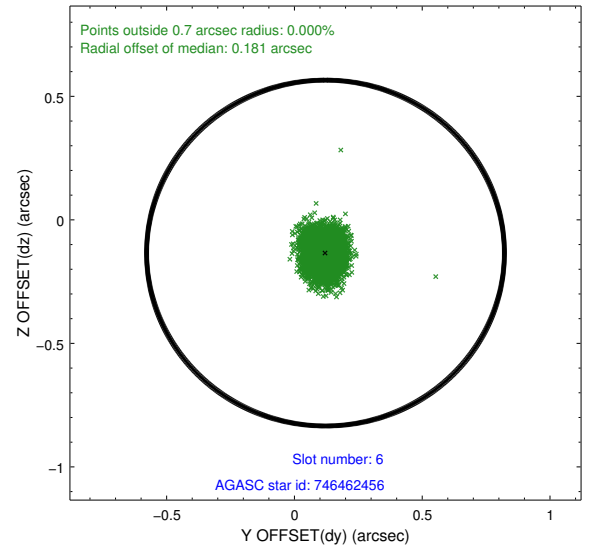
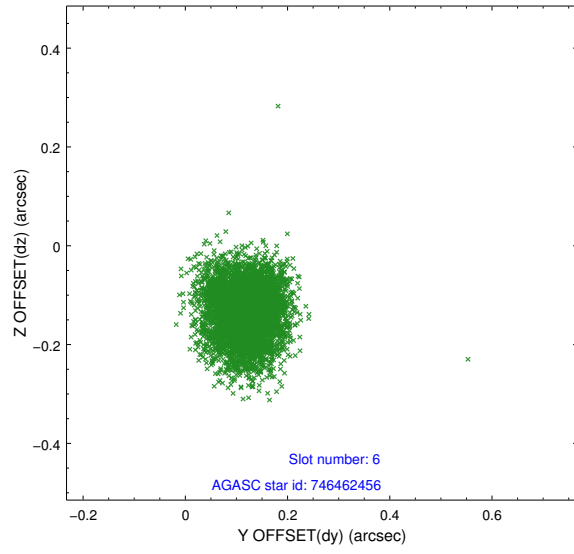
2.4.2 Slot 4



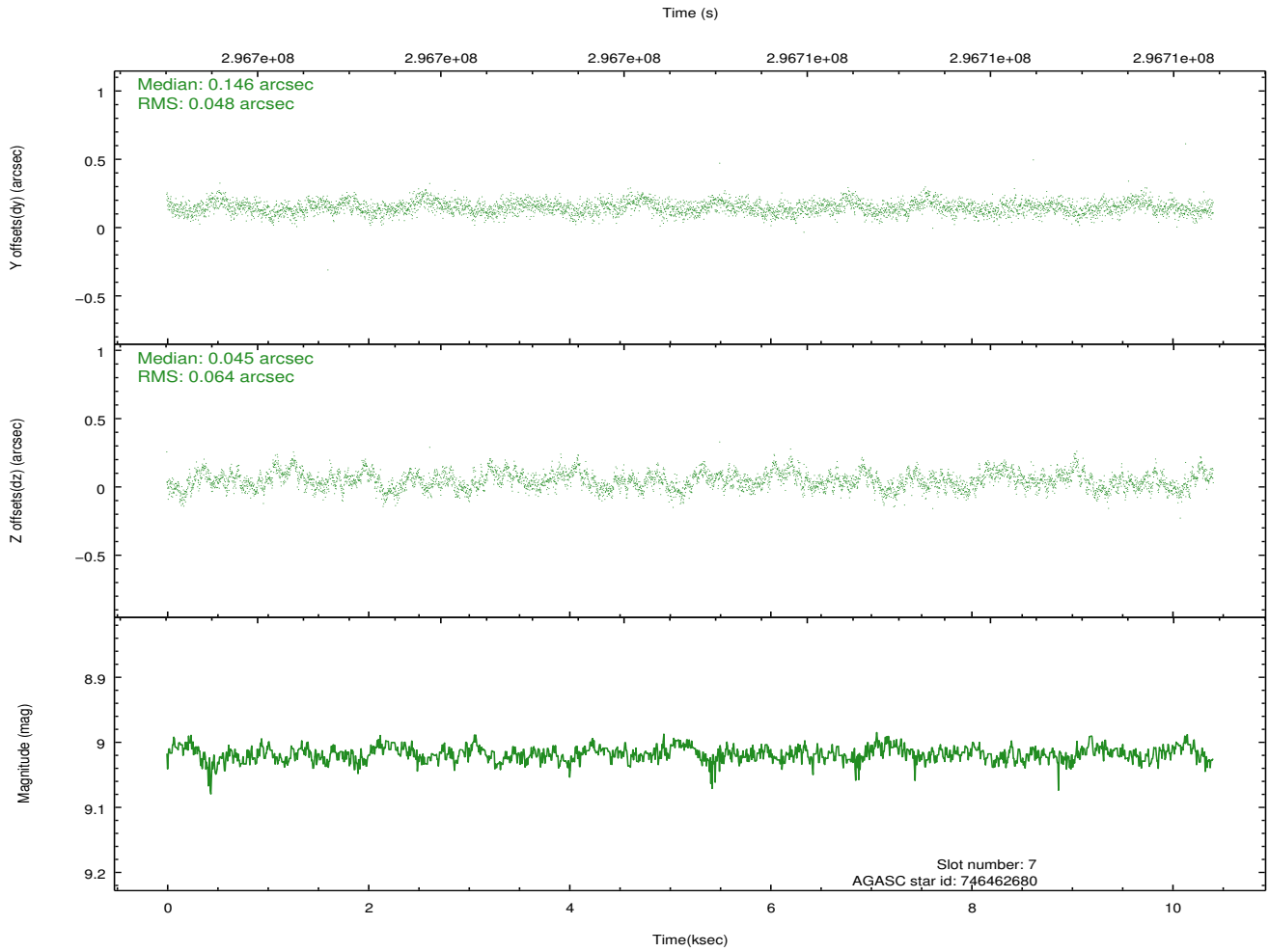
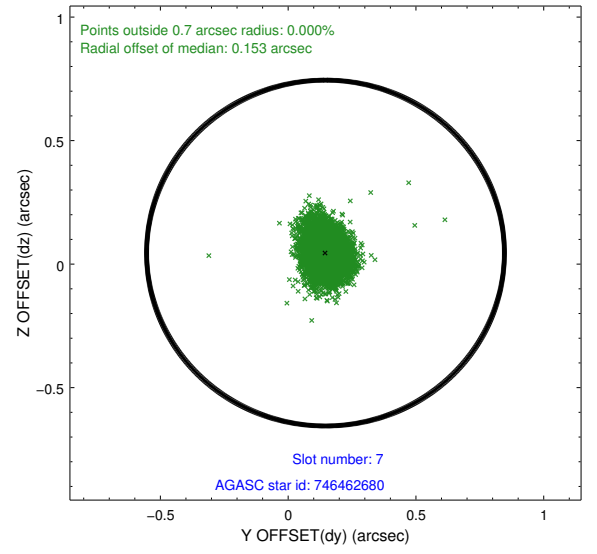
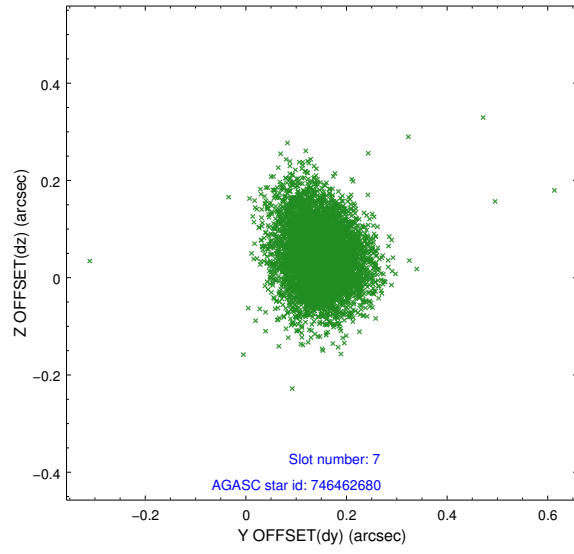
2.4.3 Slot 5



2.4.4 Slot 6

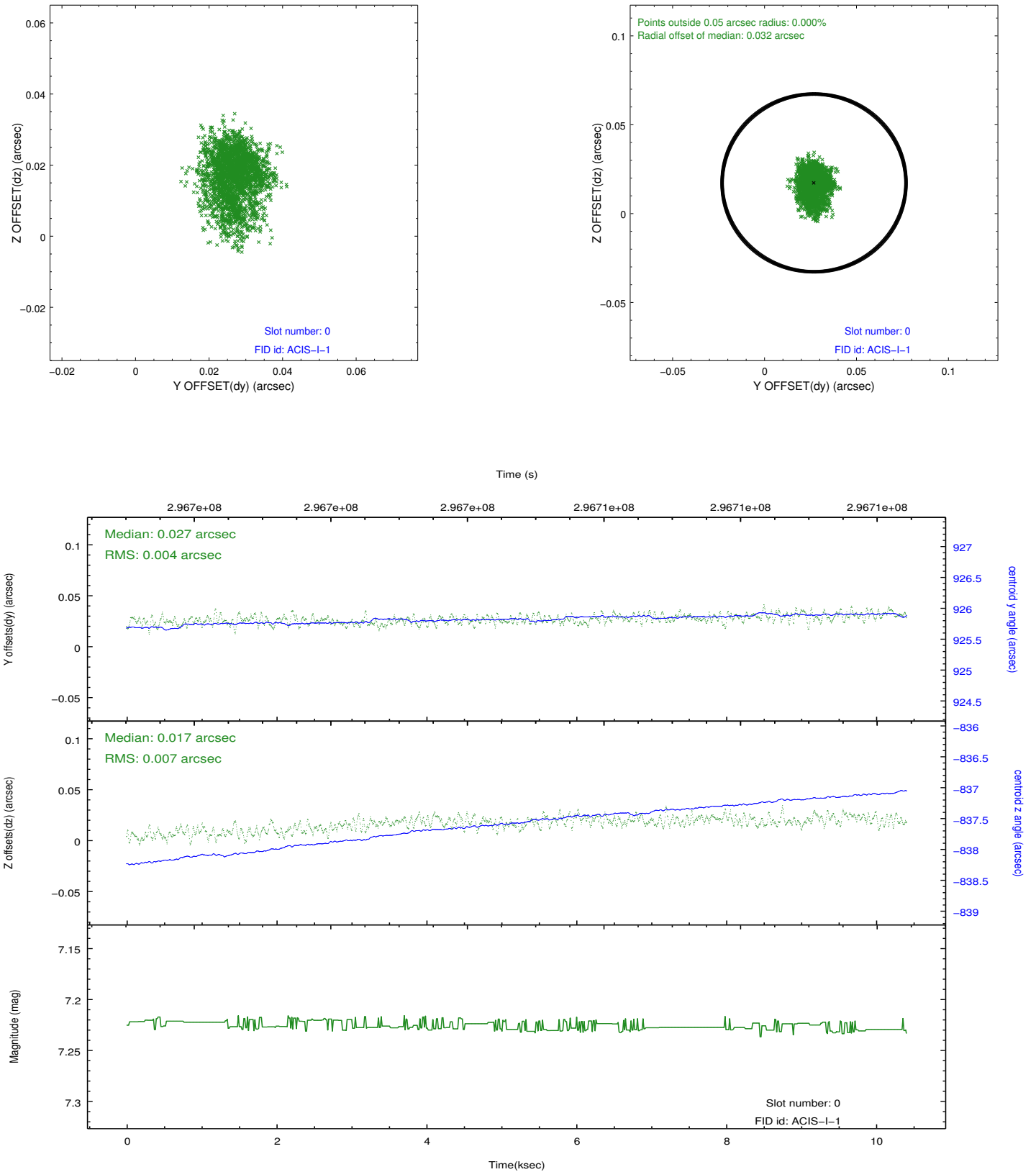


2.4.5 Slot 7

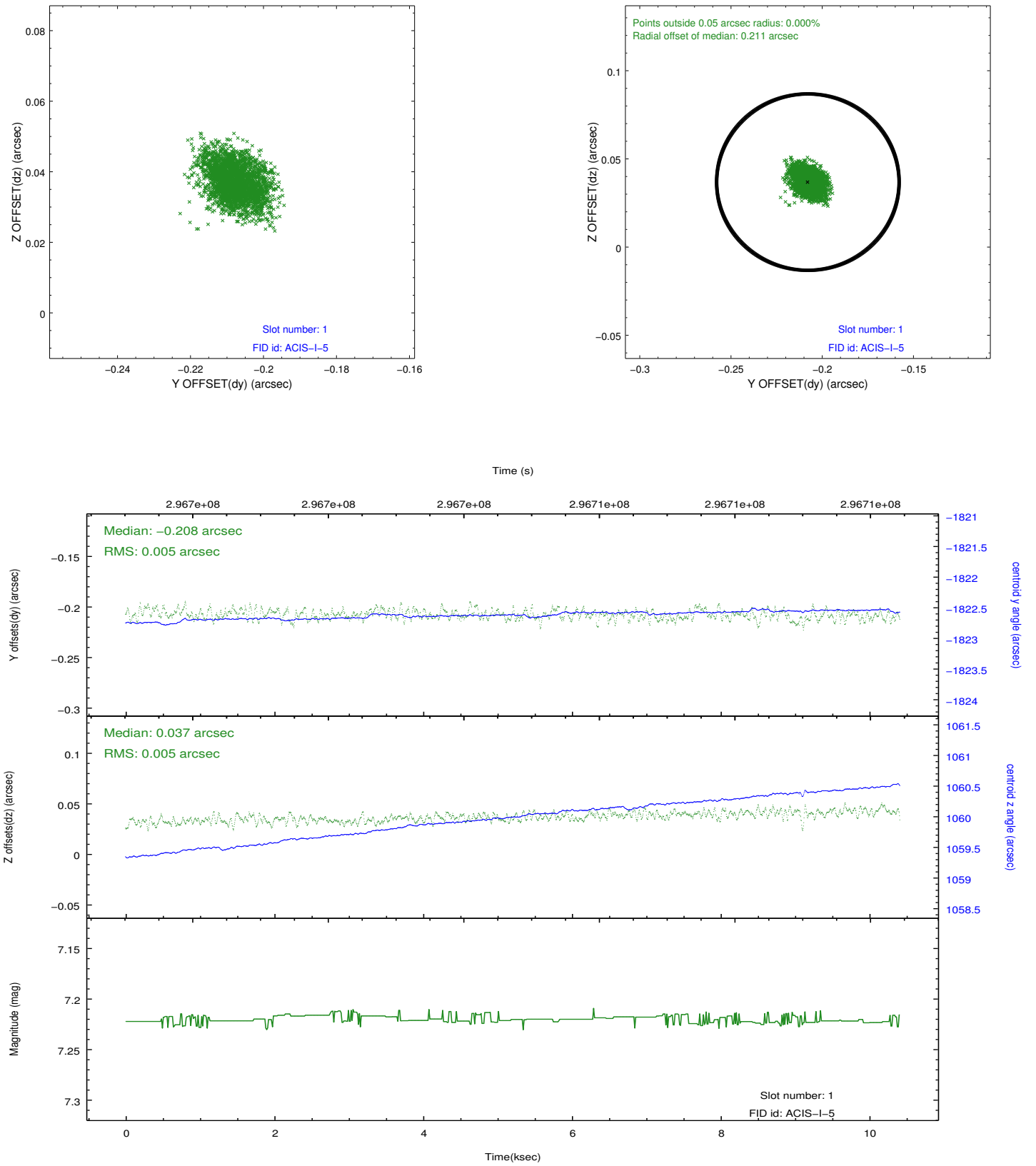


2.5 FID Slots

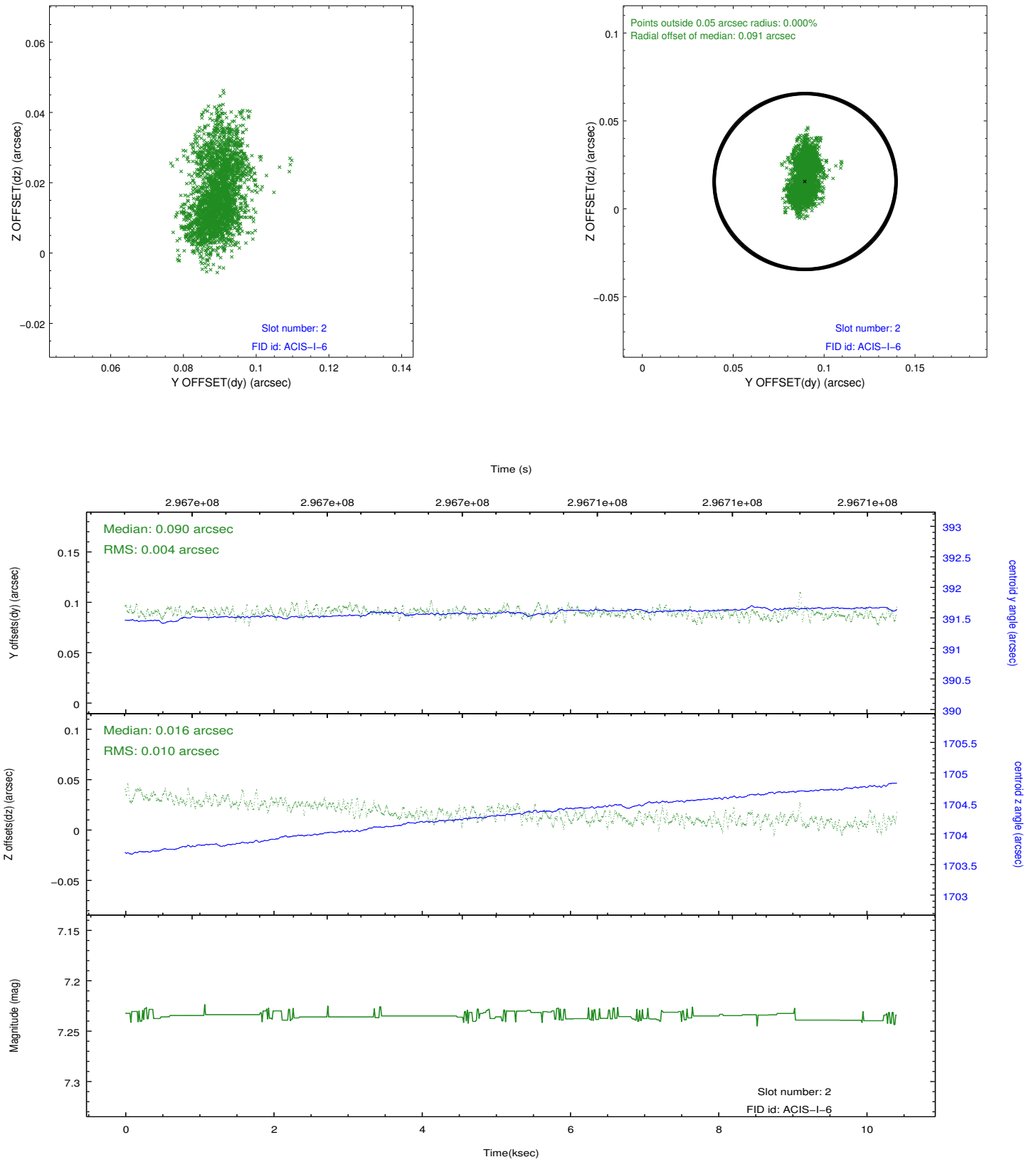
2.5.1 Slot 0



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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0447999

A.2 Comments

Window constraint met.