

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12336 - L2 Version 2
Chandra X-Ray Center

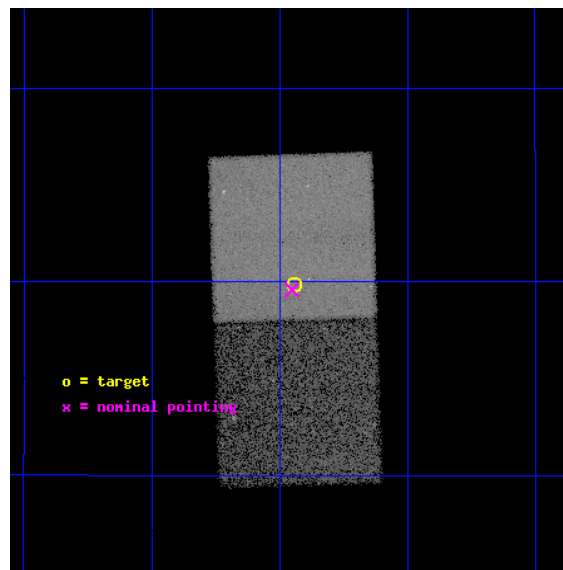
L2 Processing Date : Jul 8 2012

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1 Front

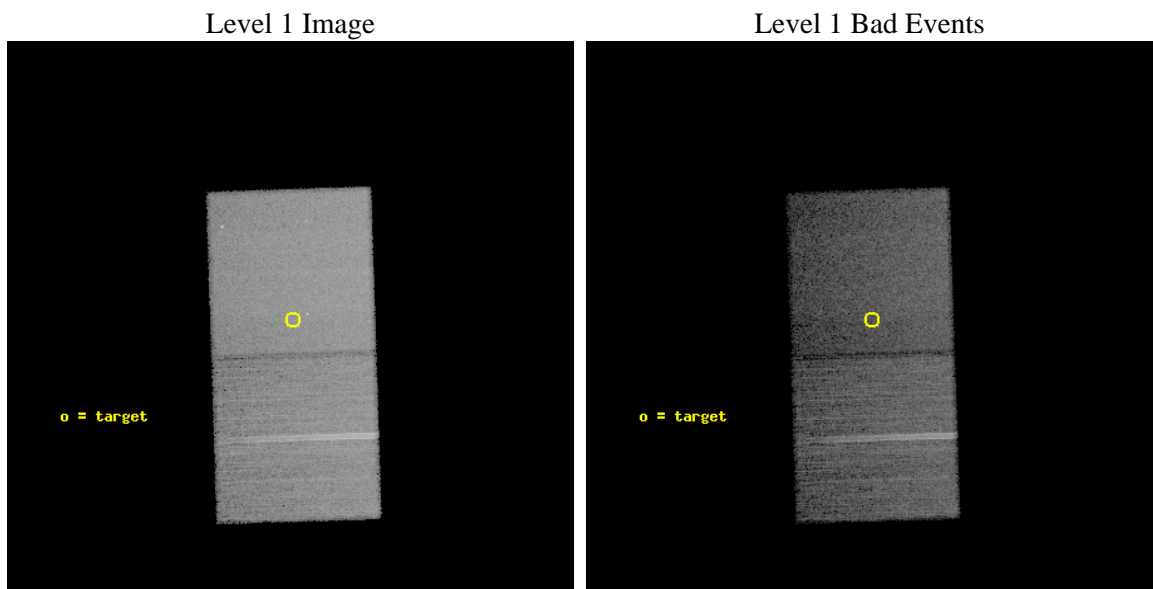
seq_num	200672	Sequence number
obs_id	12336	Observation id
title	Testing the effects of X-ray emission on brown dwarf disks	Proposa
observer	Dr. Basmah Riaz	Principal investigator
object	CFHT-BD-Tau 9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.110417	Observer's specified target RA [deg]
dec_targ	26.830639	Observer's specified target Dec [deg]
ra_nom	66.113108814343	Nominal RA [deg]
dec_nom	26.826435631074	Nominal Dec [deg]
roll_nom	268.10861827654	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35066.122706592	Sum of GTIs [s]
livetime	34592.891944788	Livetime [s]
ontime6	35063.040716112	Sum of GTIs [s]
ontime7	35066.122706592	Sum of GTIs [s]
l2events	160732	Number of level 2 events



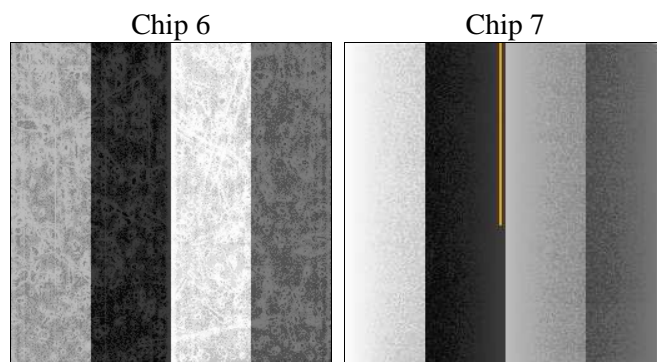
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	35000.192000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35066.122706592	Sum of GTIs [s]
caldsver	4.5.0	 	ontime6	35063.040716112	Sum of GTIs [s]
date	2012-07-08T21:01:12	Date and time of file creation	ontime7	35066.122706592	Sum of GTIs [s]
revision	2	Processing version of data	l1events	558824	Number of level 1 events

2.1.4 Events

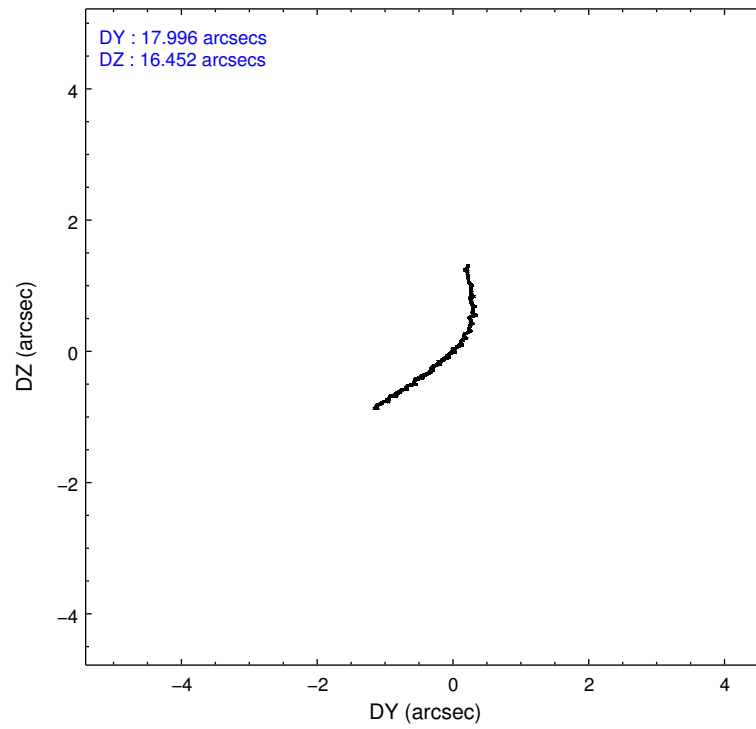
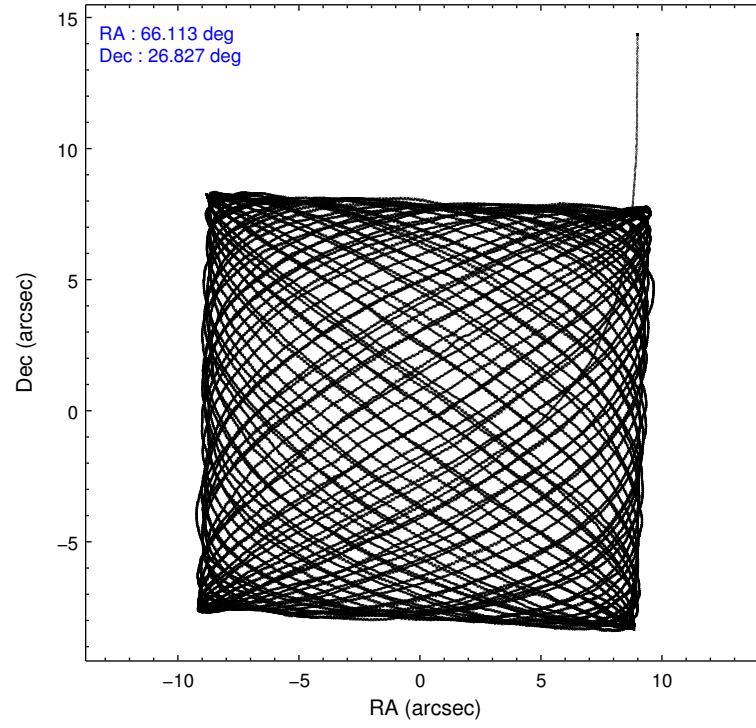
	ccd 6	ccd 7
level 1 events	251518	307306
rejected events	222909	167767
rejected %	88%	54%

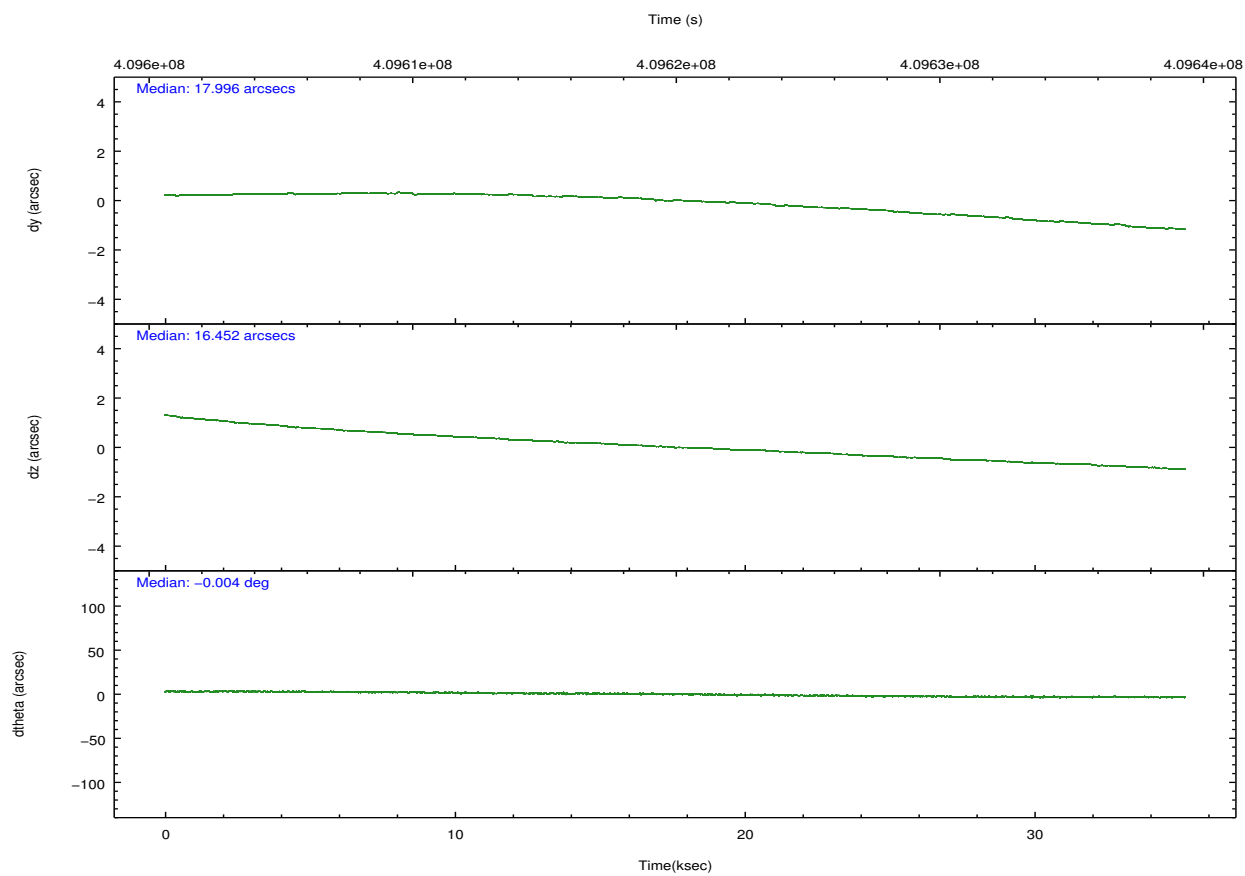
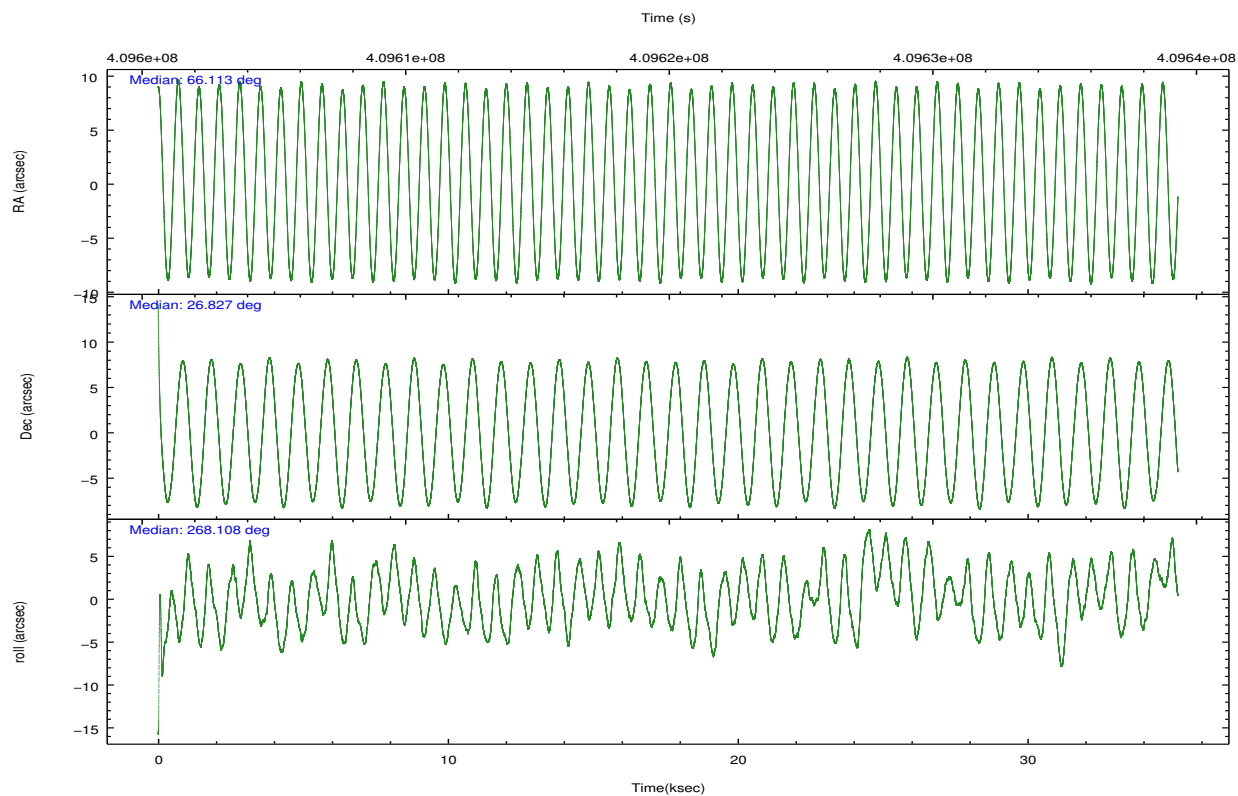
	ccd 6	ccd 7
grade 0 events	10146	12844
	4%	4%
grade 1 events	114	341
	0%	0%
grade 2 events	6328	28471
	2%	9%
grade 3 events	3007	12446
	1%	4%
grade 4 events	2936	12290
	1%	3%
grade 5 events	11536	31894
	4%	10%
grade 6 events	6196	73515
	2%	23%
grade 7 events	211255	135505
	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	66.098313	66.11310881434325	CCD I2 on	N	N
[deg] Pointing Dec	26.850373	26.82643563107434	CCD I3 on	N	N
[deg] Pointing Roll	267.958663	268.1086182765391	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	409602539.184000	409601006.47775	CCD S5 on	N	N
Observation start date	2010-12-24T18:27:53	2010-12-24T18:03:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	409637539.184000	409637766.05465	On-chip summing requested	N	N
Observation end date	2010-12-25T04:11:13	2010-12-25T04:16:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3

2.3 Aspect



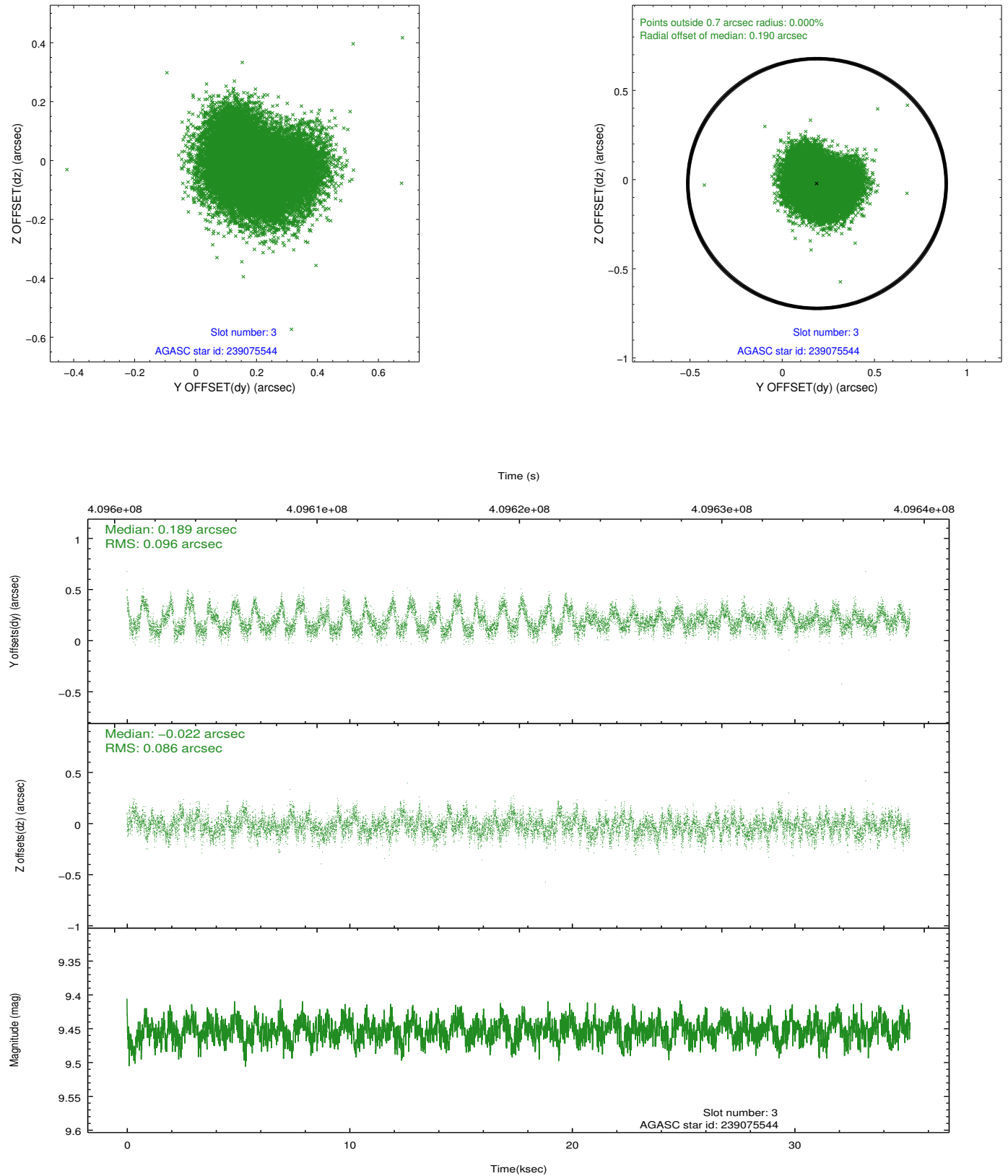


Slot Statistics

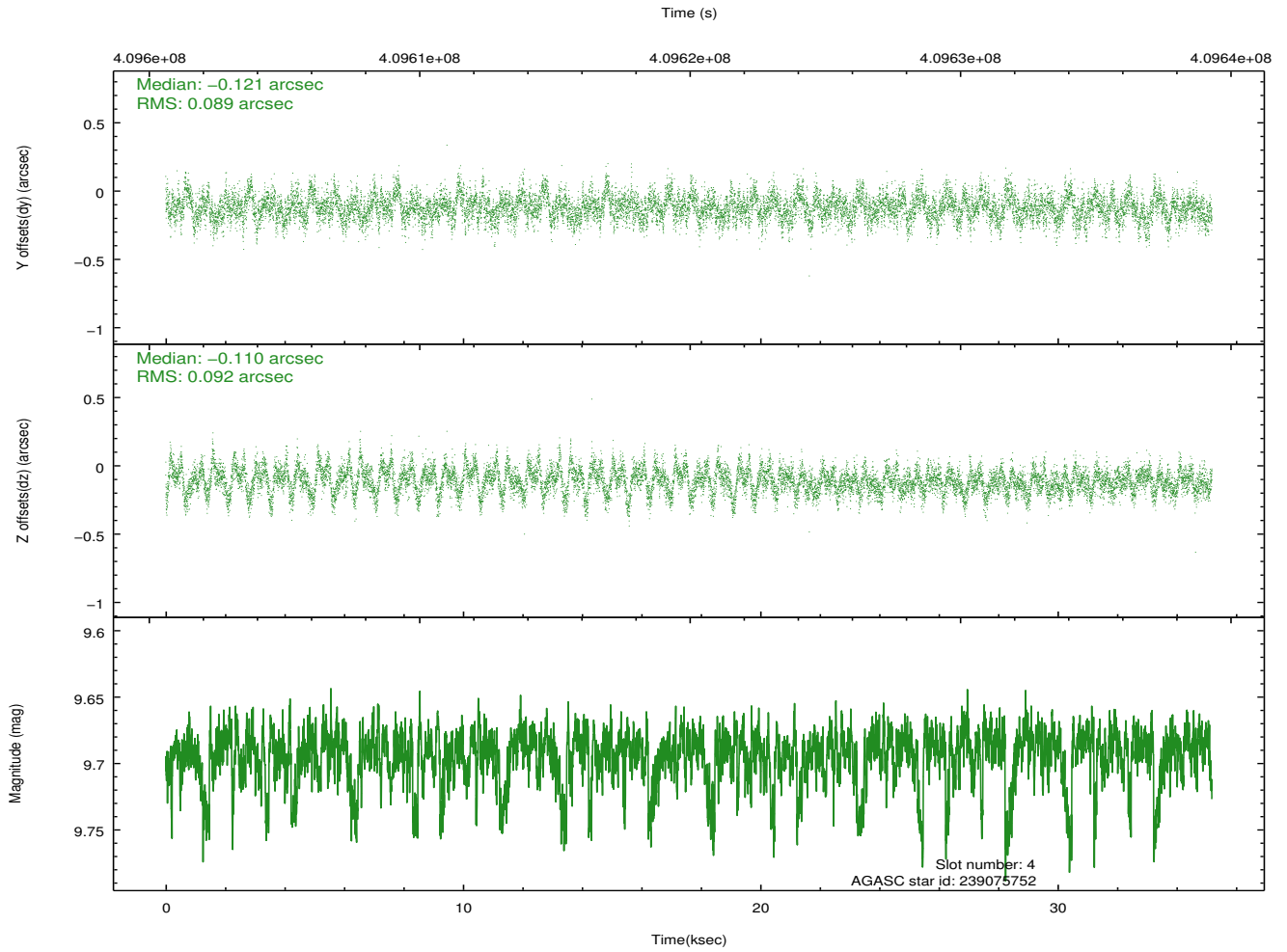
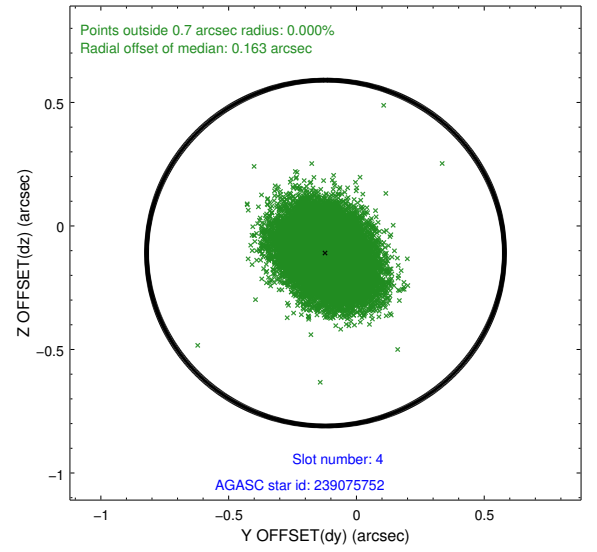
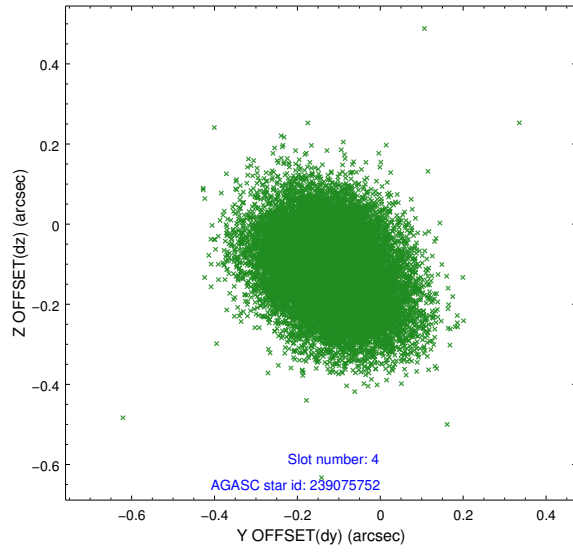
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	8582	-0.074	-0.012	0.020	0.029	0.000000	0.000000	-770.97	-1737.94
1	FID	ACIS-S-4	7.01	8582	0.193	0.040	0.011	0.022	0.000000	0.000000	2142.57	170.54
2	FID	ACIS-S-5	7.05	8581	-0.157	-0.019	0.025	0.052	0.000000	0.000000	-1823.82	164.21
3	GUIDE	239075544	9.45	17150	0.189	-0.022	0.140	0.217	65.454352	27.284696	-1493.79	-2114.68
4	GUIDE	239075752	9.69	17134	-0.121	-0.110	0.136	0.223	65.644780	26.331316	1917.25	-1395.88
5	GUIDE	239076720	7.64	17163	-0.006	0.294	0.108	0.166	65.782214	27.230295	-1331.49	-1059.47
6	GUIDE	239077568	10.81	16856	-0.174	-0.135	0.371	0.595	66.526515	26.801283	125.47	1381.41
7	GUIDE	239081136	10.00	17131	0.100	-0.011	0.222	0.324	65.934218	27.207584	-1265.86	-570.08

2.4 Star Slots

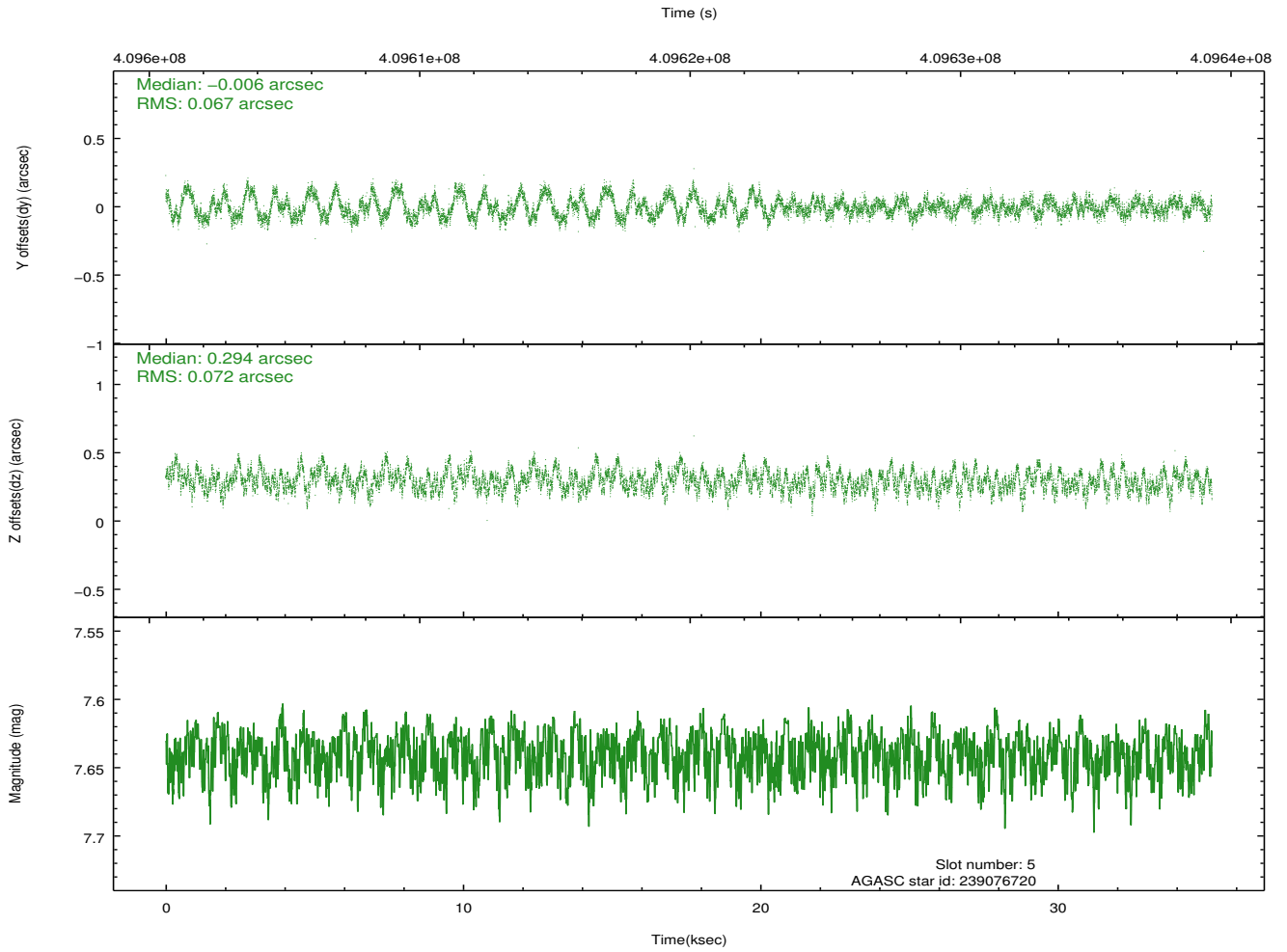
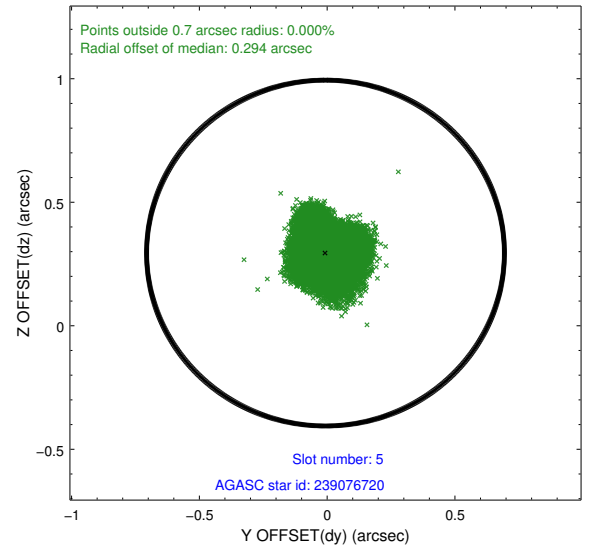
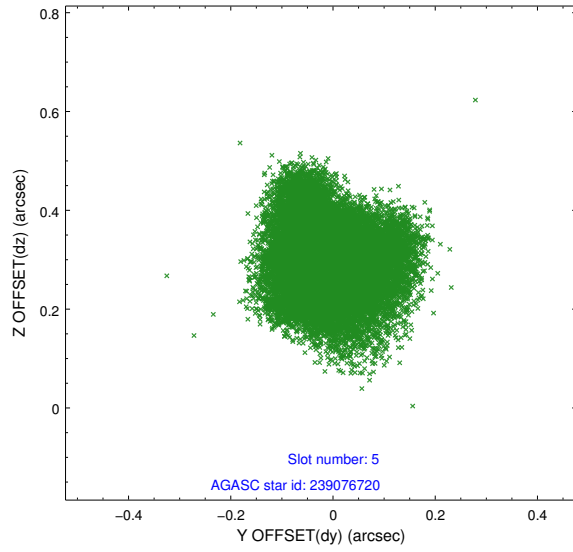
2.4.1 Slot 3



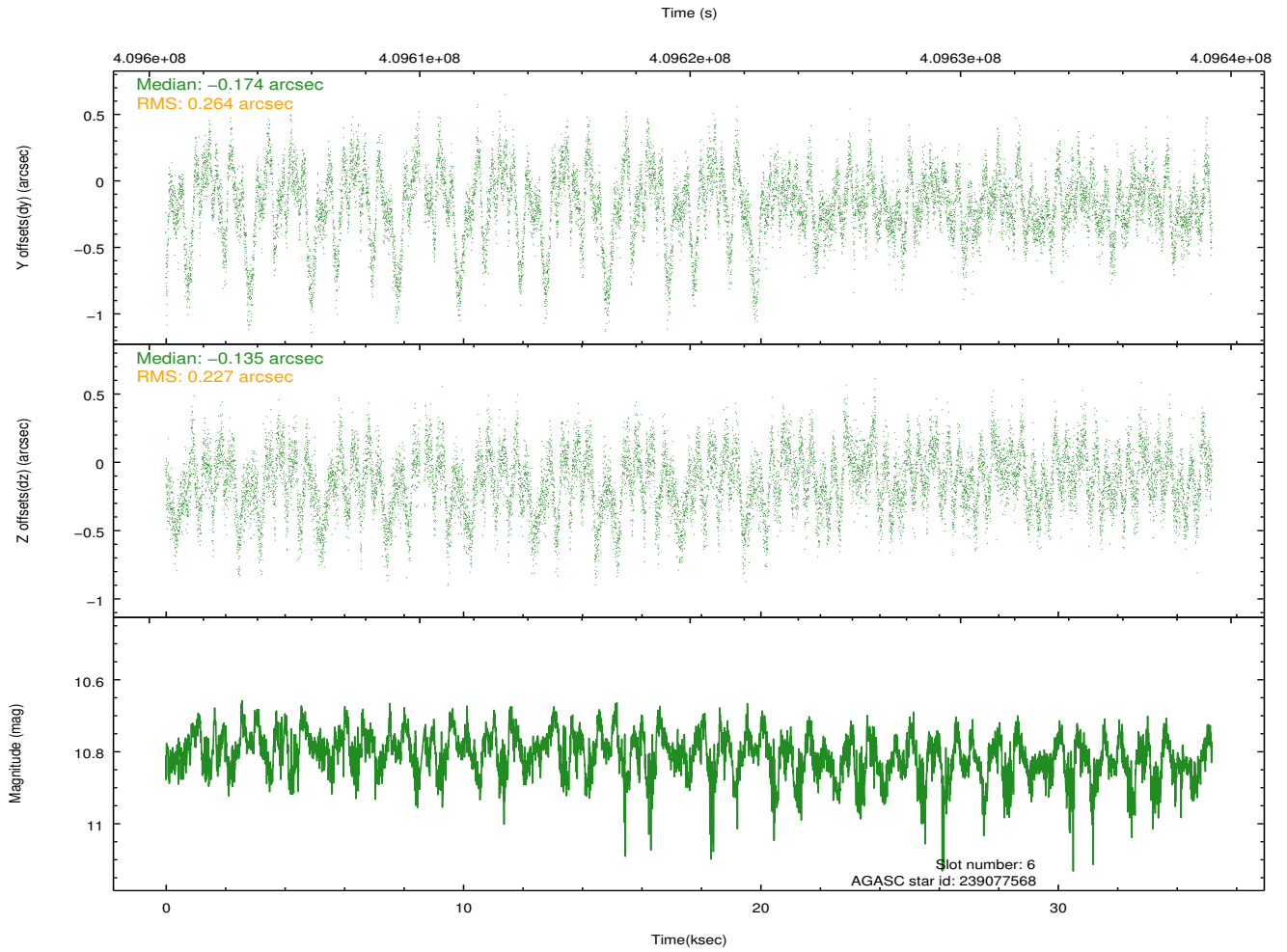
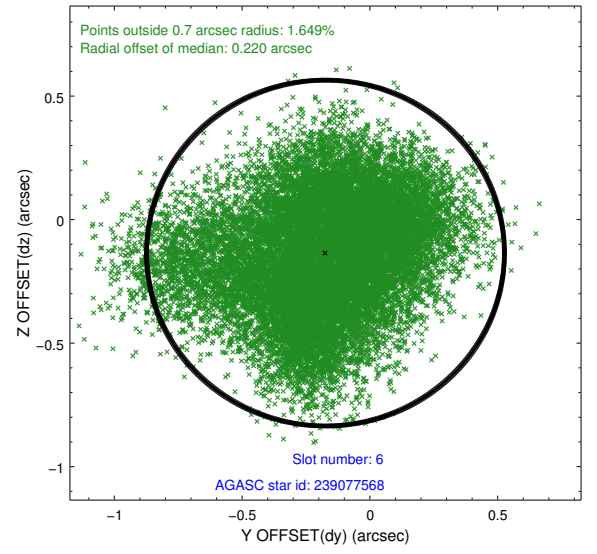
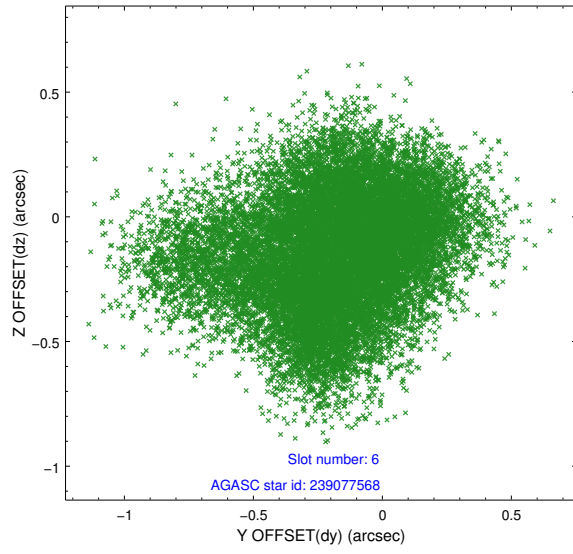
2.4.2 Slot 4



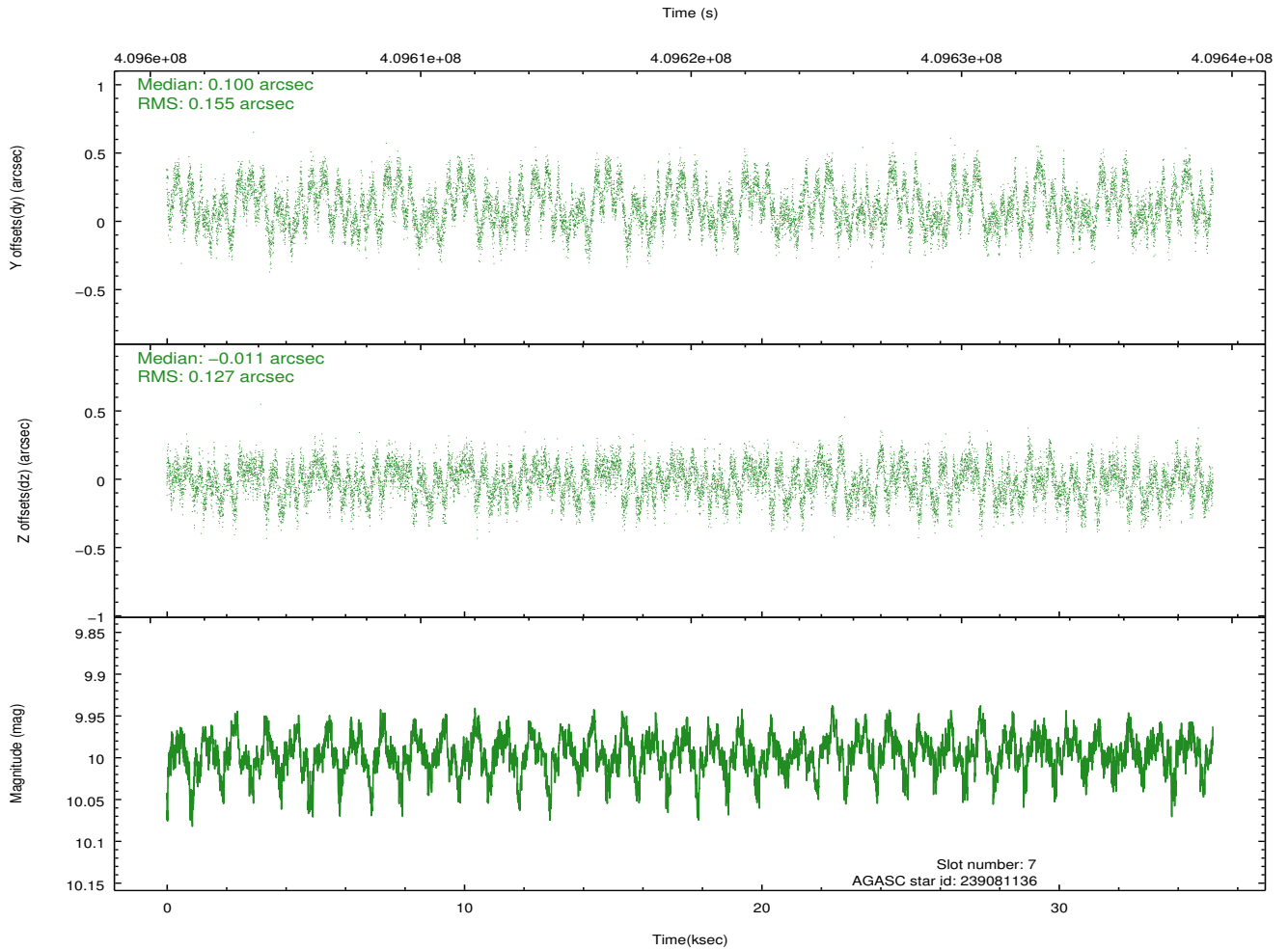
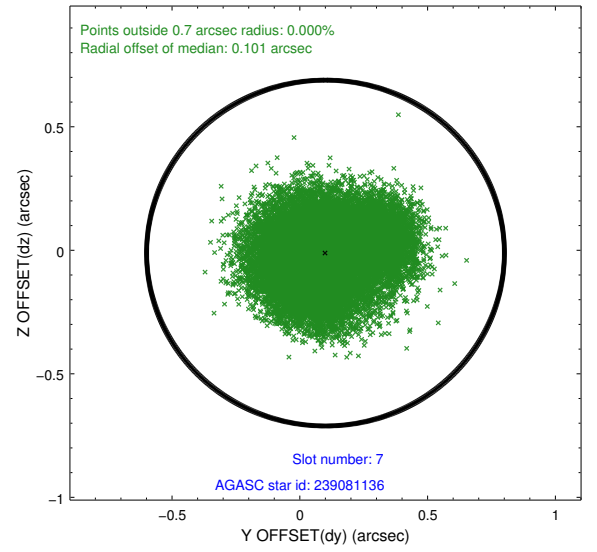
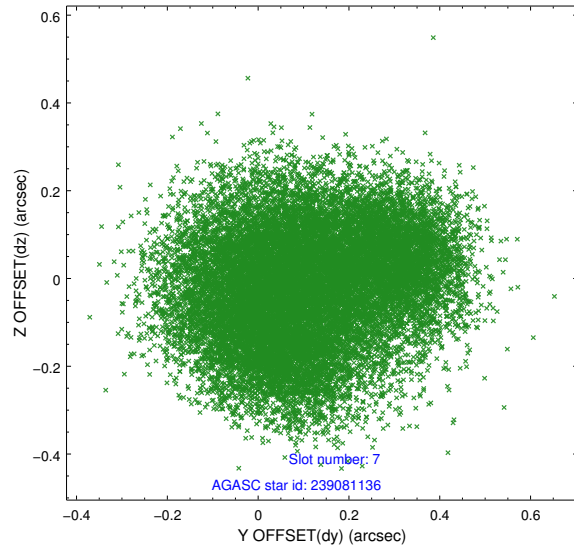
2.4.3 Slot 5



2.4.4 Slot 6

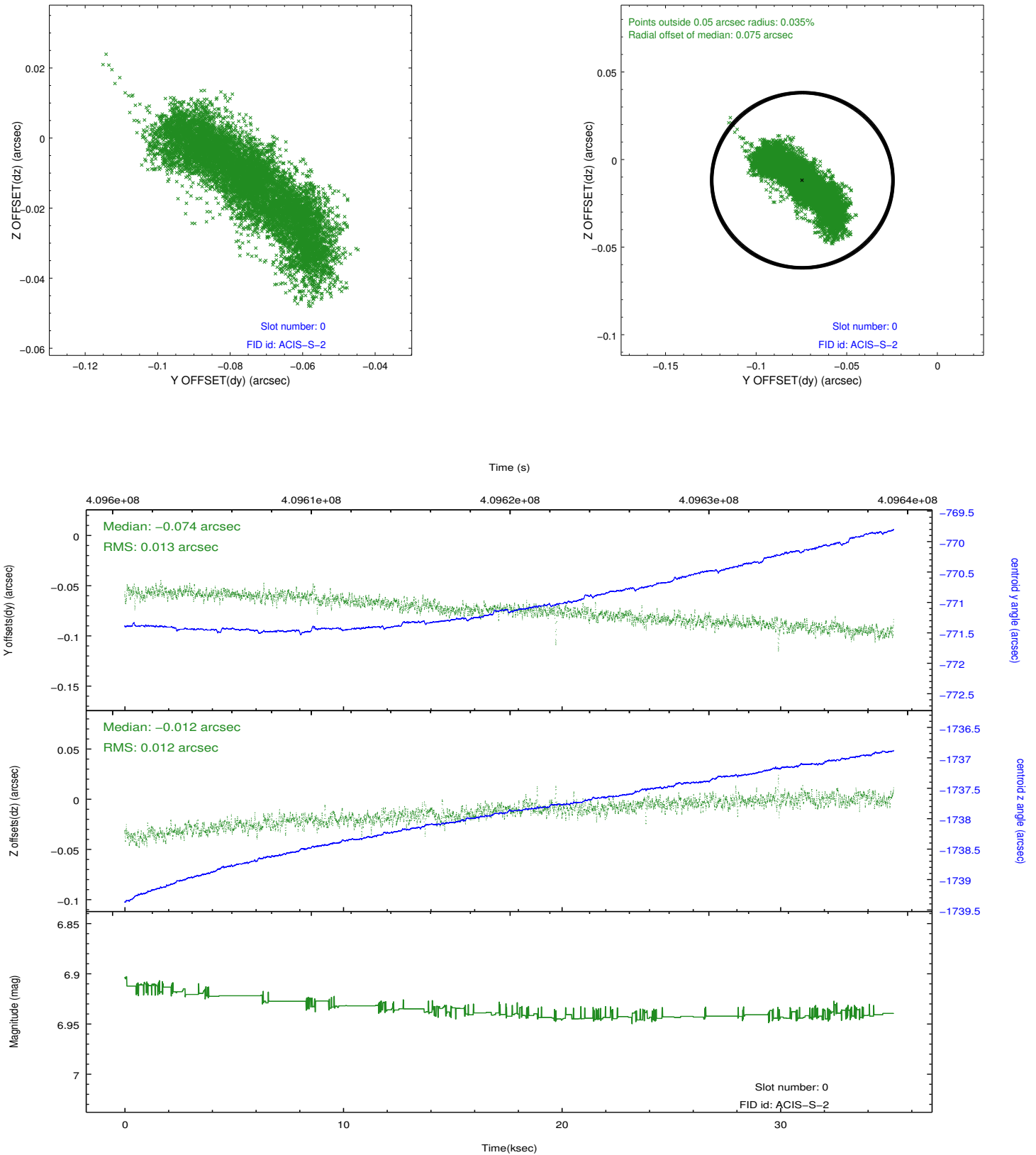


2.4.5 Slot 7

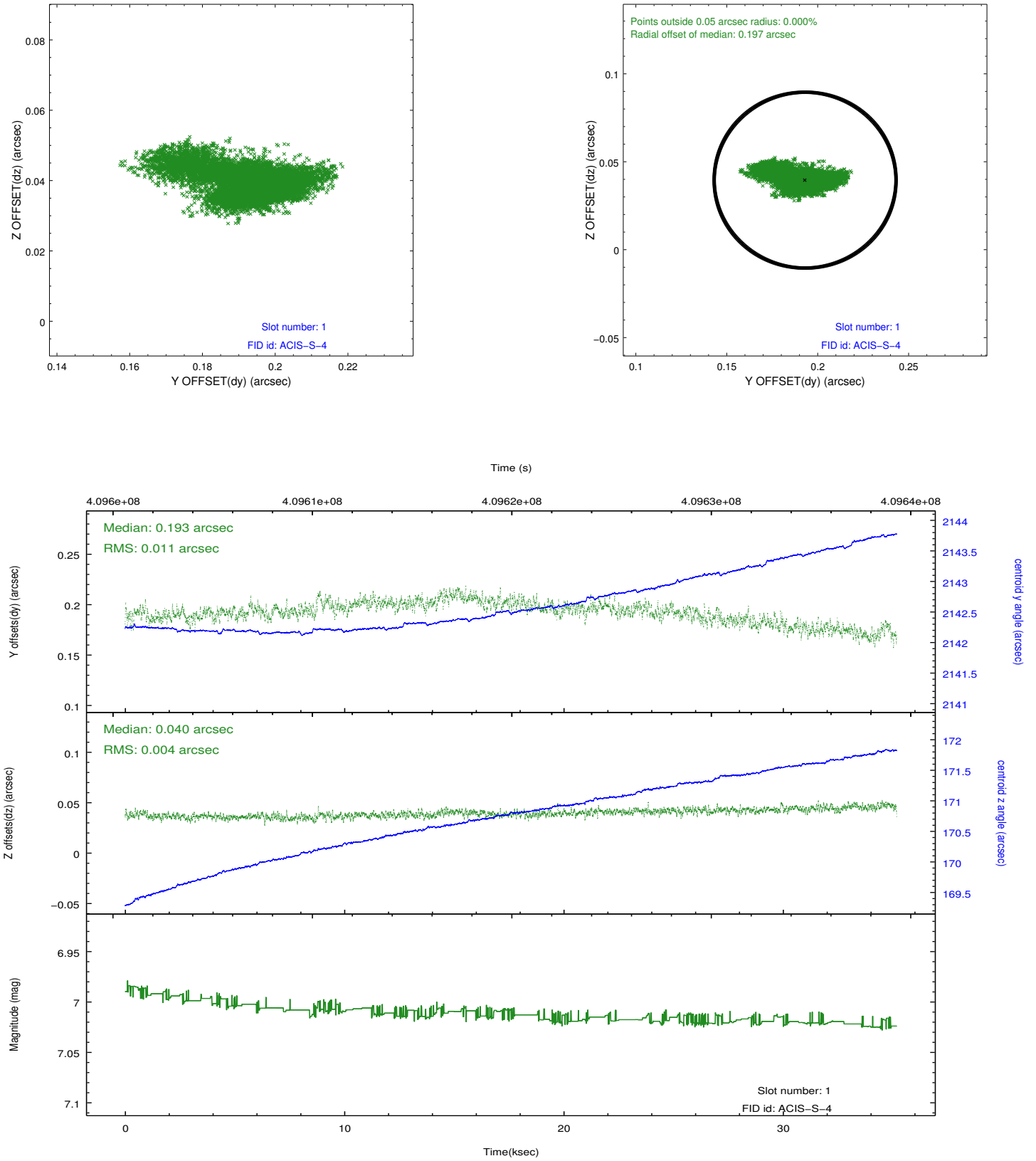


2.5 FID Slots

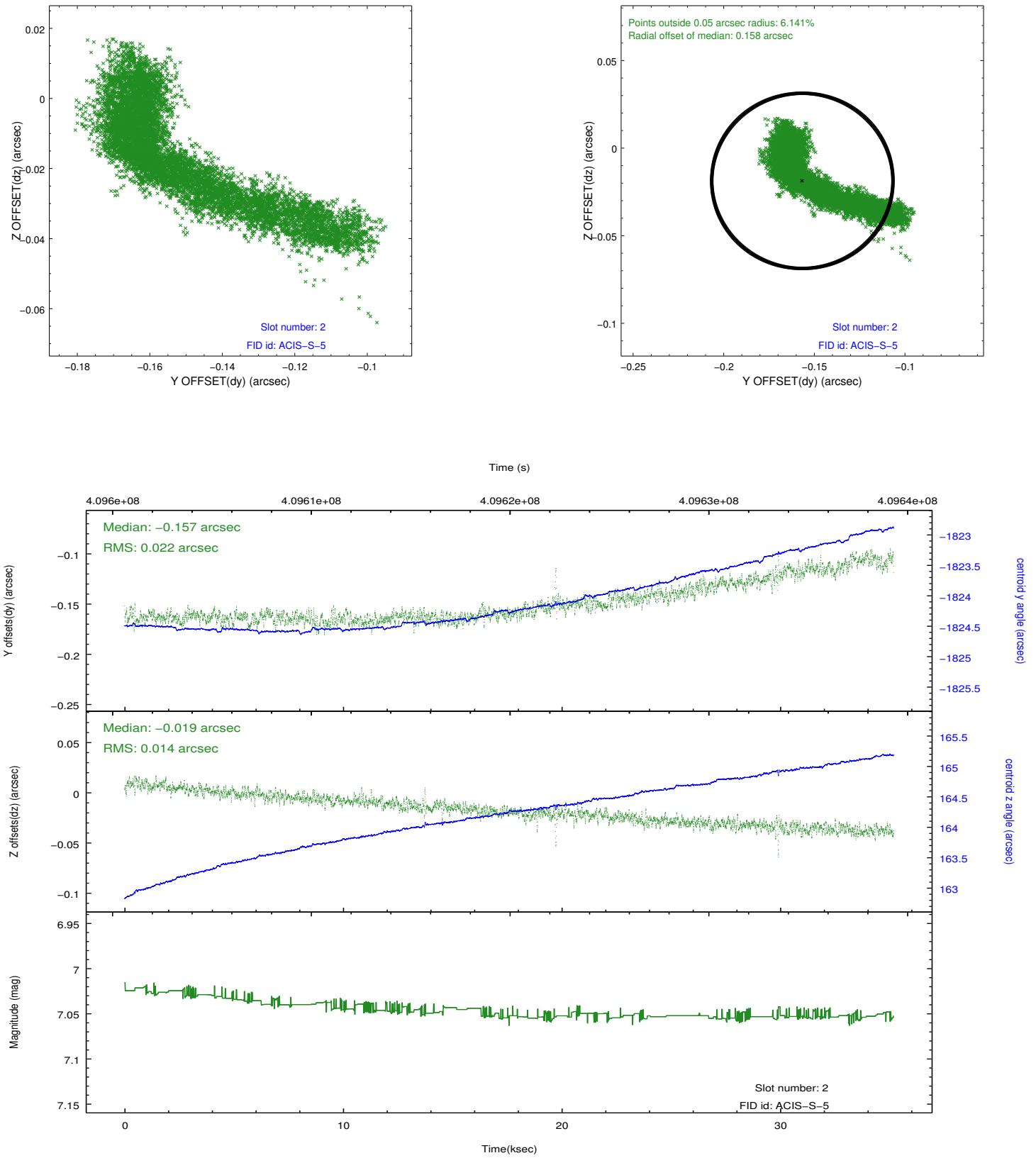
2.5.1 Slot 0



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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.066122707009

A.2 Comments