

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2857 - L2 Version 3
Chandra X-Ray Center

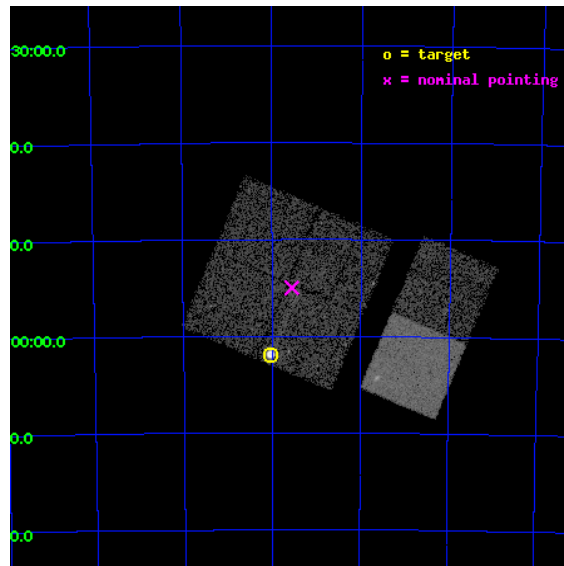
L2 Processing Date : Oct 9 2012

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1 Front

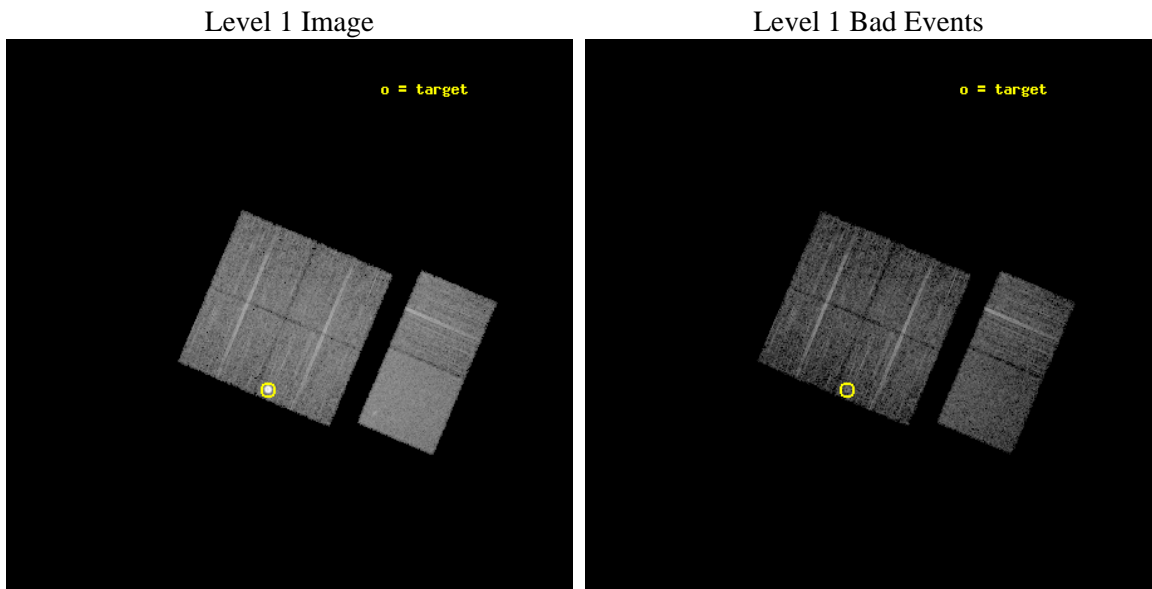
seq_num	590246	Sequence number
obs_id	2857	Observation id
title	AO3B ACIS-I CALIBRATION OBSERVATIONS OF E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=120, Offsets=-7,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.888324642969	Nominal RA [deg]
dec_nom	-71.91663591589	Nominal Dec [deg]
roll_nom	113.00709019285	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7651.1999714971	Sum of GTIs [s]
livetime	7554.3158704584	Livetime [s]
ontime0	7651.1999714971	Sum of GTIs [s]
ontime1	7651.1999714971	Sum of GTIs [s]
ontime2	7651.1999714971	Sum of GTIs [s]
ontime3	7651.1999714971	Sum of GTIs [s]
ontime6	7651.1999714971	Sum of GTIs [s]
ontime7	7651.1999714971	Sum of GTIs [s]
l2events	74183	Number of level 2 events



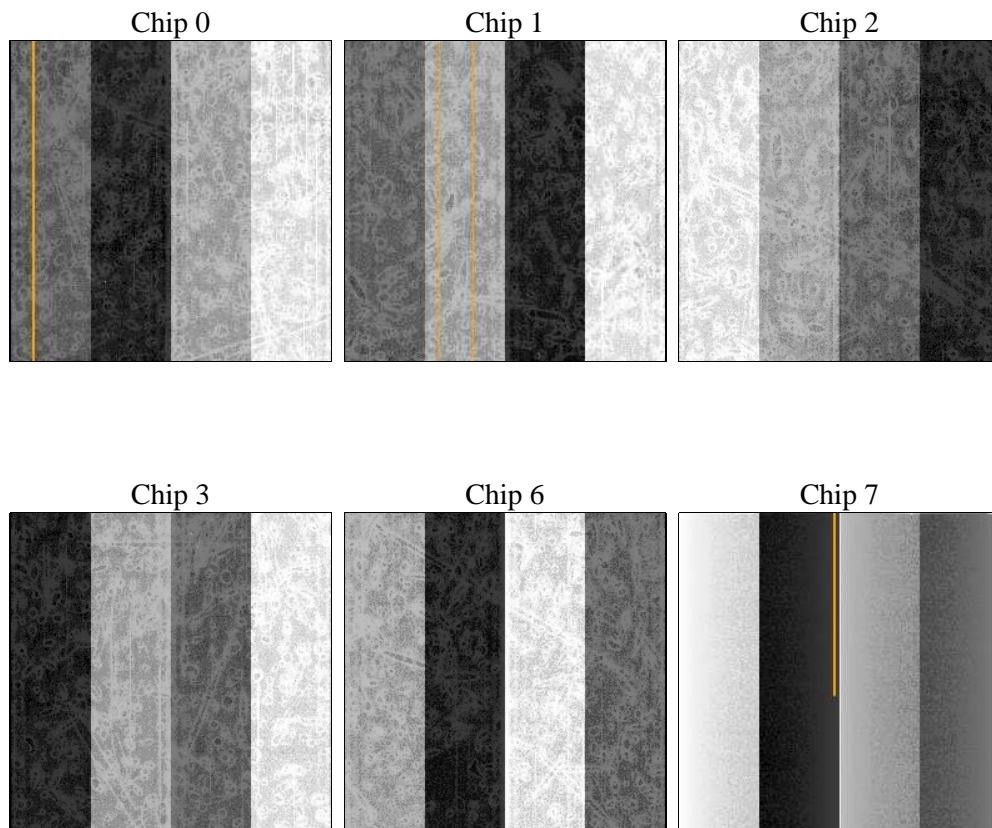
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7651.1999714971	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	7651.1999714971	Sum of GTIs [s]
date	2012-10-10T00:56:51	Date and time of file creation	ontime1	7651.1999714971	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7651.1999714971	Sum of GTIs [s]
			ontime3	7651.1999714971	Sum of GTIs [s]
			ontime6	7651.1999714971	Sum of GTIs [s]
			ontime7	7651.1999714971	Sum of GTIs [s]
			l1events	327409	Number of level 1 events

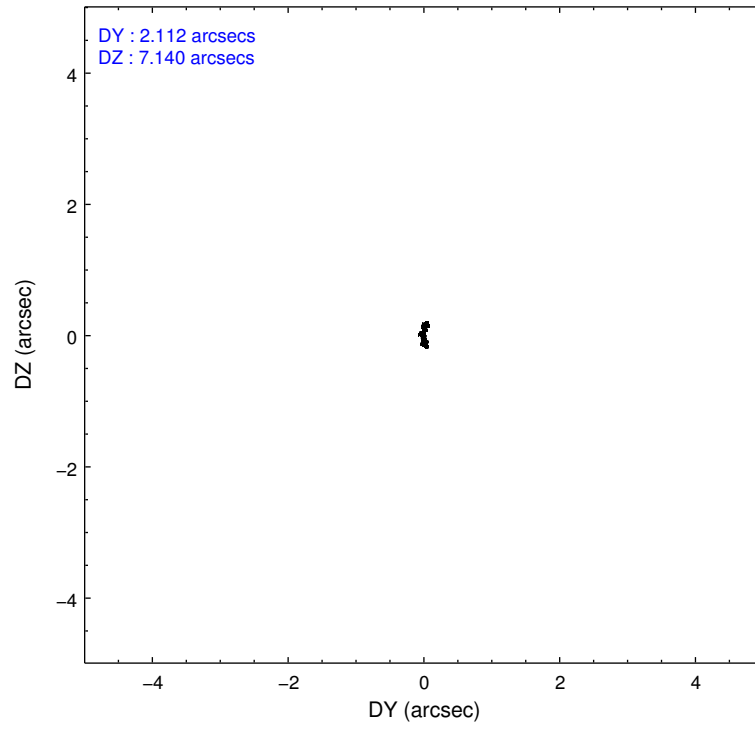
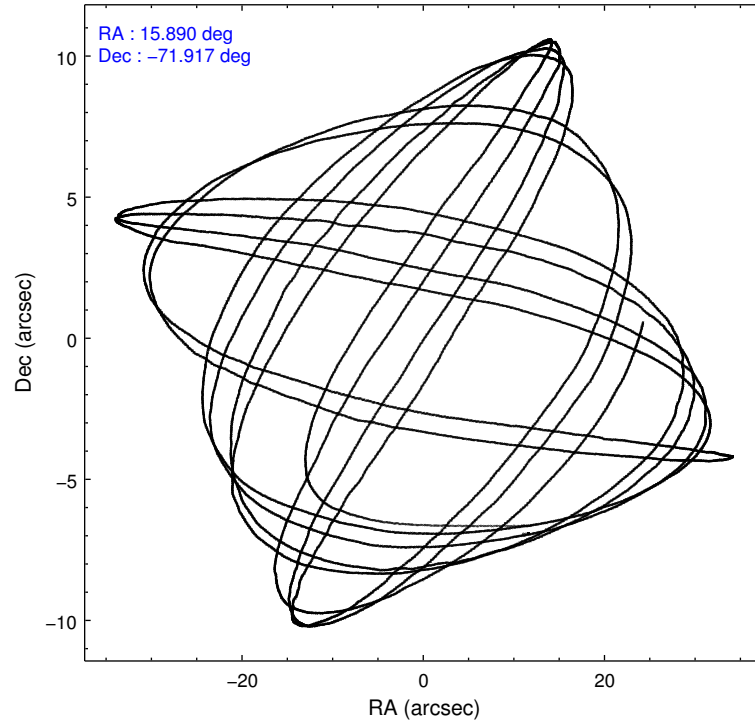
2.1.4 Events

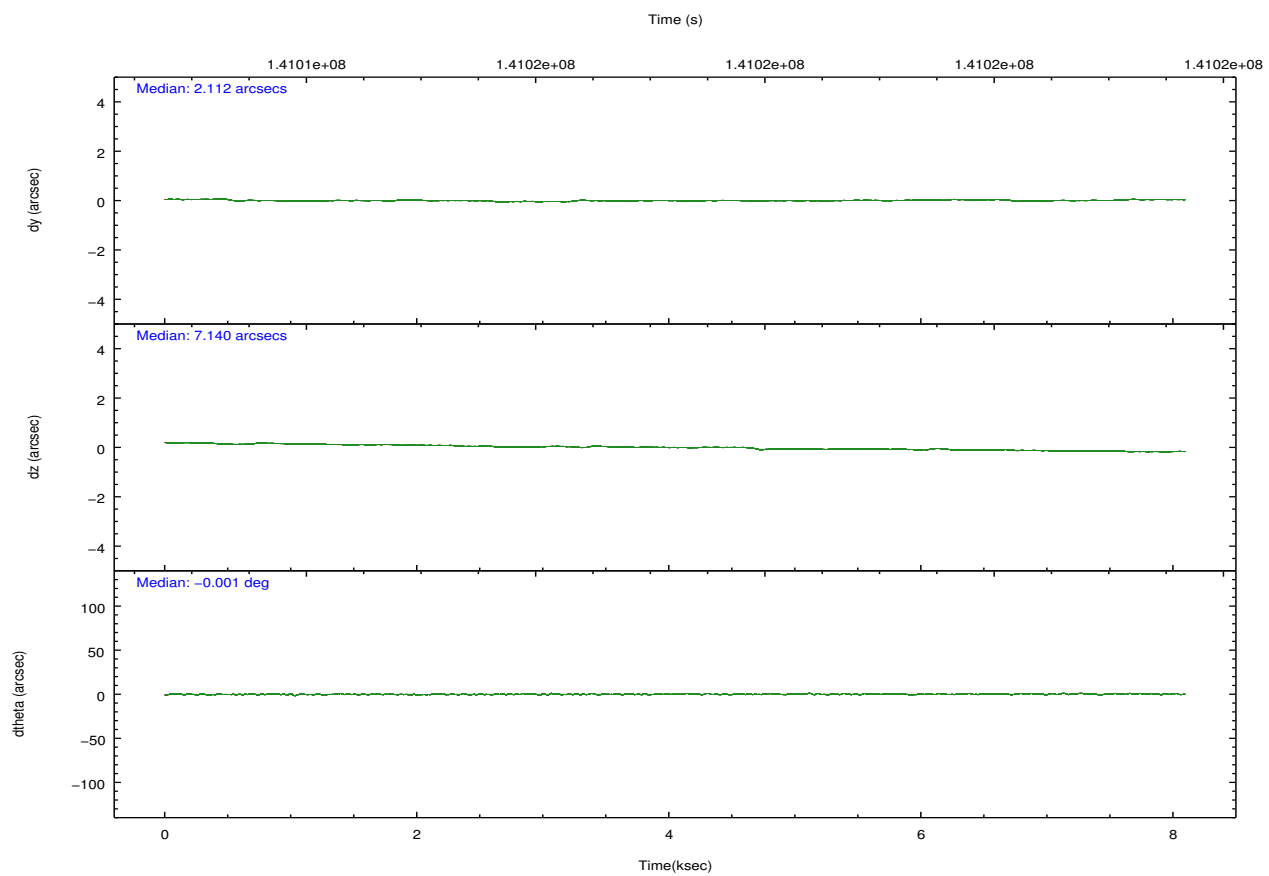
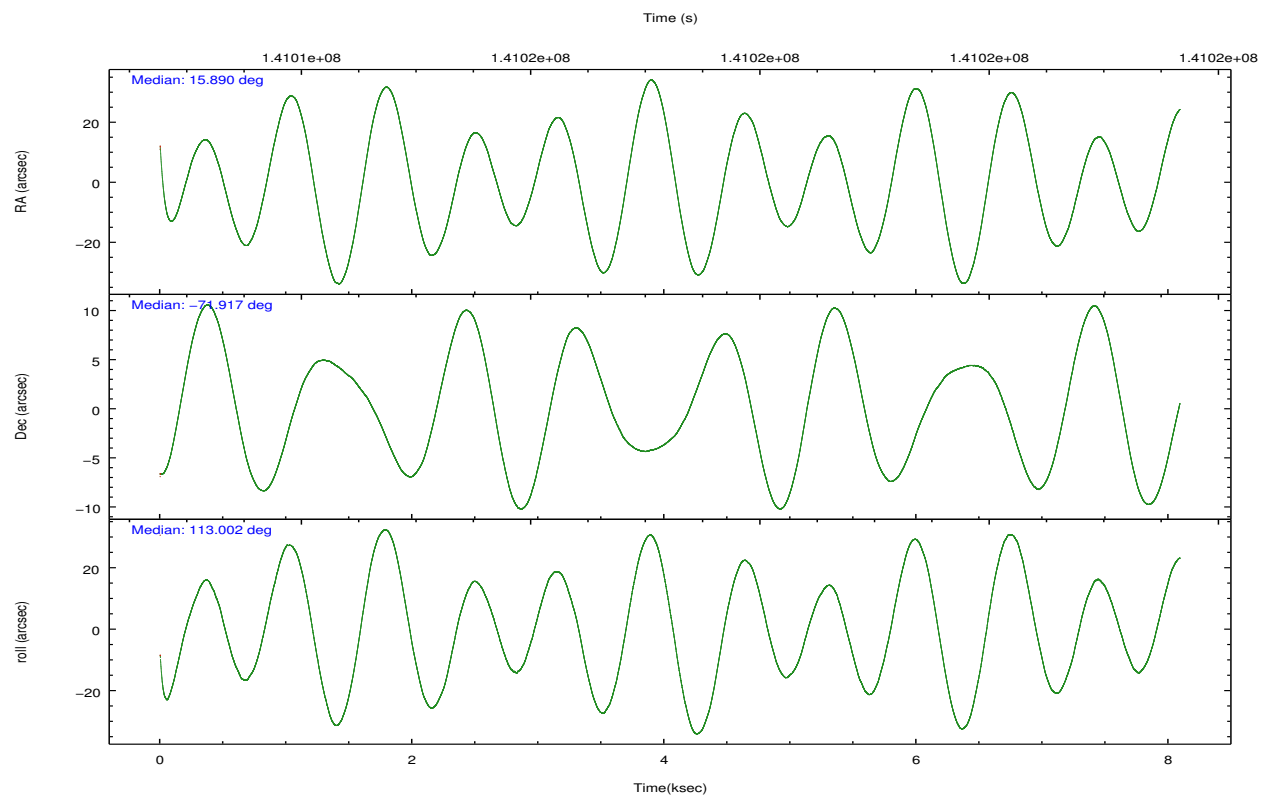
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	44289	44976	48868	71160	52523	65593	grade 0 events	2420	2565	2563	21679	2384	2824
rejected events	38539	38747	42951	43538	46622	37967		5%	5%	5%	30%	4%	4%
rejected %	87%	86%	87%	61%	88%	57%	grade 1 events	22	26	28	153	28	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1180	1302	1267	2844	1226	5516
								2%	2%	2%	3%	2%	8%
							grade 3 events	551	620	523	981	569	2484
								1%	1%	1%	1%	1%	3%
							grade 4 events	537	590	531	927	585	2514
								1%	1%	1%	1%	1%	3%
							grade 5 events	1912	1992	1668	2012	2178	6324
								4%	4%	3%	2%	4%	9%
							grade 6 events	1064	1158	1038	1211	1142	14332
								2%	2%	2%	1%	2%	21%
							grade 7 events	36603	36723	41250	41353	44411	31535
								82%	81%	84%	58%	84%	48%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.959066	15.88832464296911	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.933010	-71.91663591588977	Alternating exposures requested	N	N
[deg] Pointing Roll	112.865665	113.0070901928524	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	139276864.184000	139276864.184000			
[s] Window stop time (MET)	141782464.184000	141782464.184000			
[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)	141013363.184000	141012543.82388			
Observation start date	2002-06-21T02:21:39	2002-06-21T02:09:03			
[s] Observation end time (MET)	141021263.184000	141021397.26174			
Observation end date	2002-06-21T04:33:19	2002-06-21T04:36:37			
Read mode	TIMED	TIMED			

2.3 Aspect



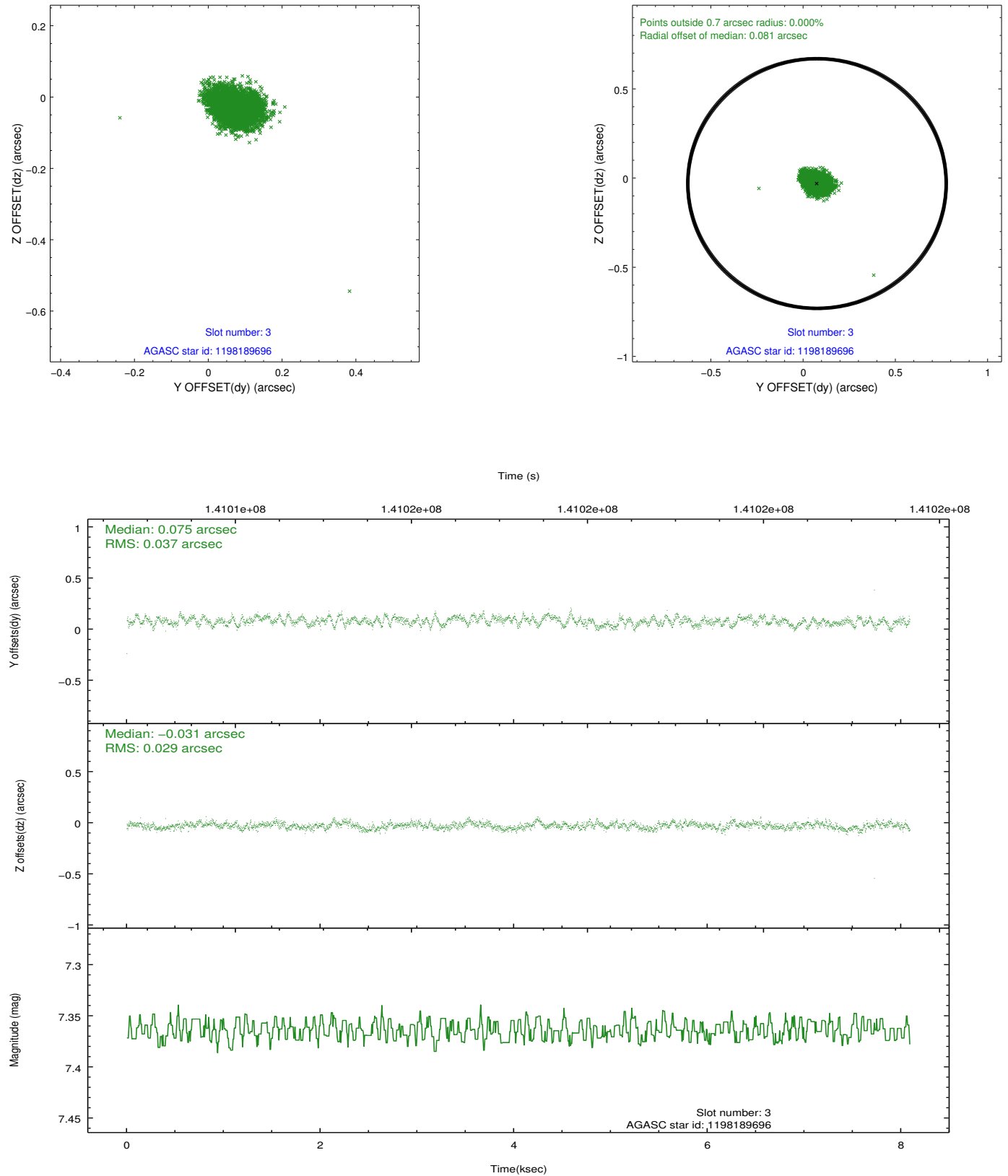


Slot Statistics

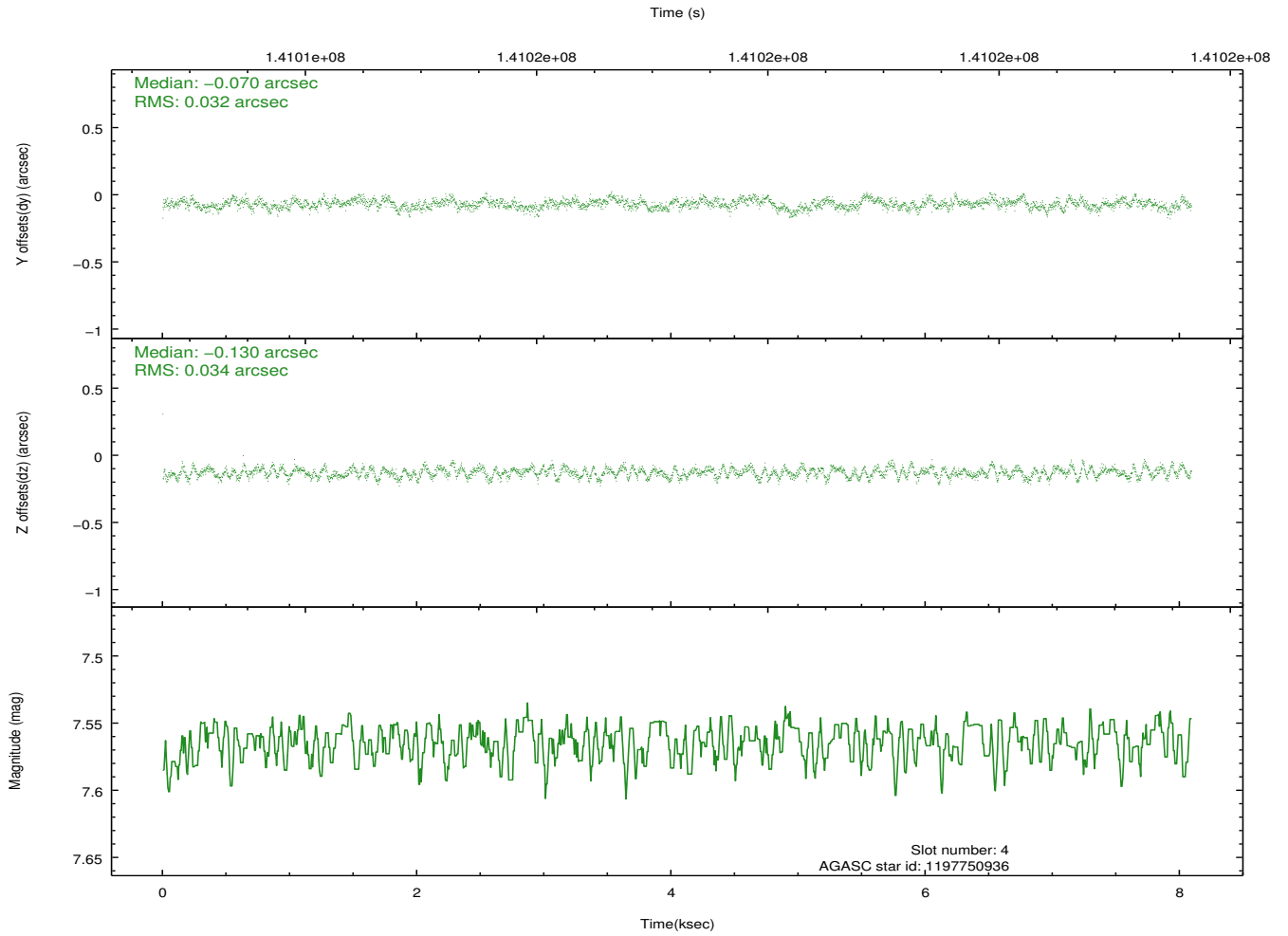
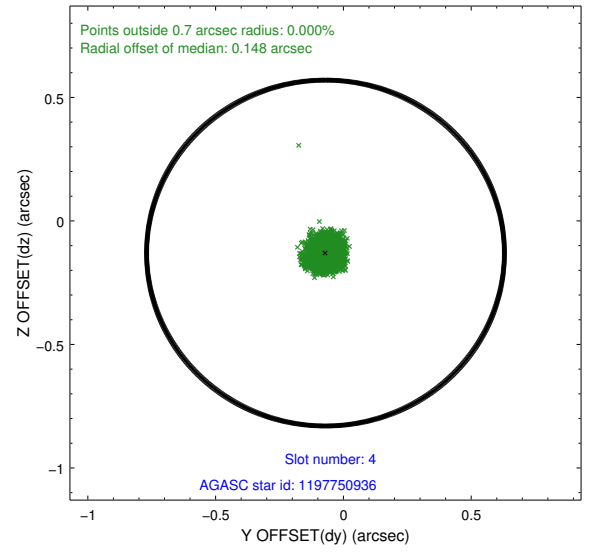
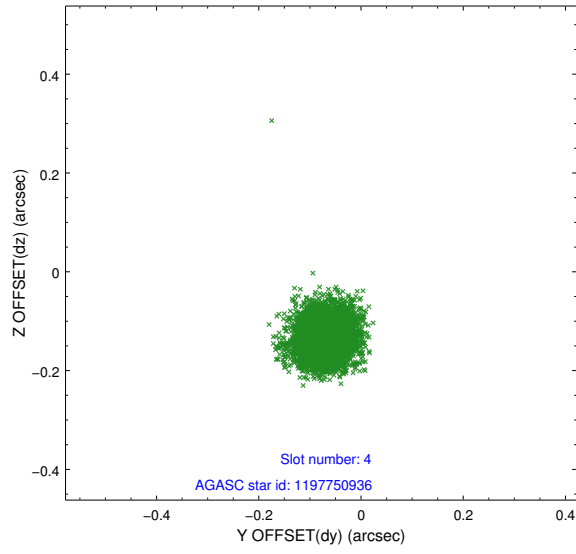
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1974	-0.010	0.032	0.007	0.013	0.000000	0.000000	937.67	-830.52
1	FID	ACIS-I-5	7.23	1974	-0.040	0.047	0.006	0.010	0.000000	0.000000	-1810.04	1066.70
2	FID	ACIS-I-6	7.26	1974	-0.041	-0.009	0.007	0.013	0.000000	0.000000	402.50	1711.88
3	GUIDE	1198189696	7.36	3947	0.075	-0.031	0.049	0.078	15.223750	-72.697522	-2233.92	1797.75
4	GUIDE	1197750936	7.56	3947	-0.070	-0.130	0.050	0.079	15.387940	-71.549550	1522.00	66.08
5	GUIDE	1197884536	8.51	3945	0.073	0.045	0.073	0.113	17.160729	-71.835289	-210.87	-1372.78
6	GUIDE	1197878768	9.62	3940	-0.059	0.131	0.099	0.161	16.656786	-71.304581	1768.37	-1618.08
7	GUIDE	1197749416	10.28	3943	-0.023	-0.012	0.162	0.269	13.610513	-71.871242	1180.69	2357.64

2.4 Star Slots

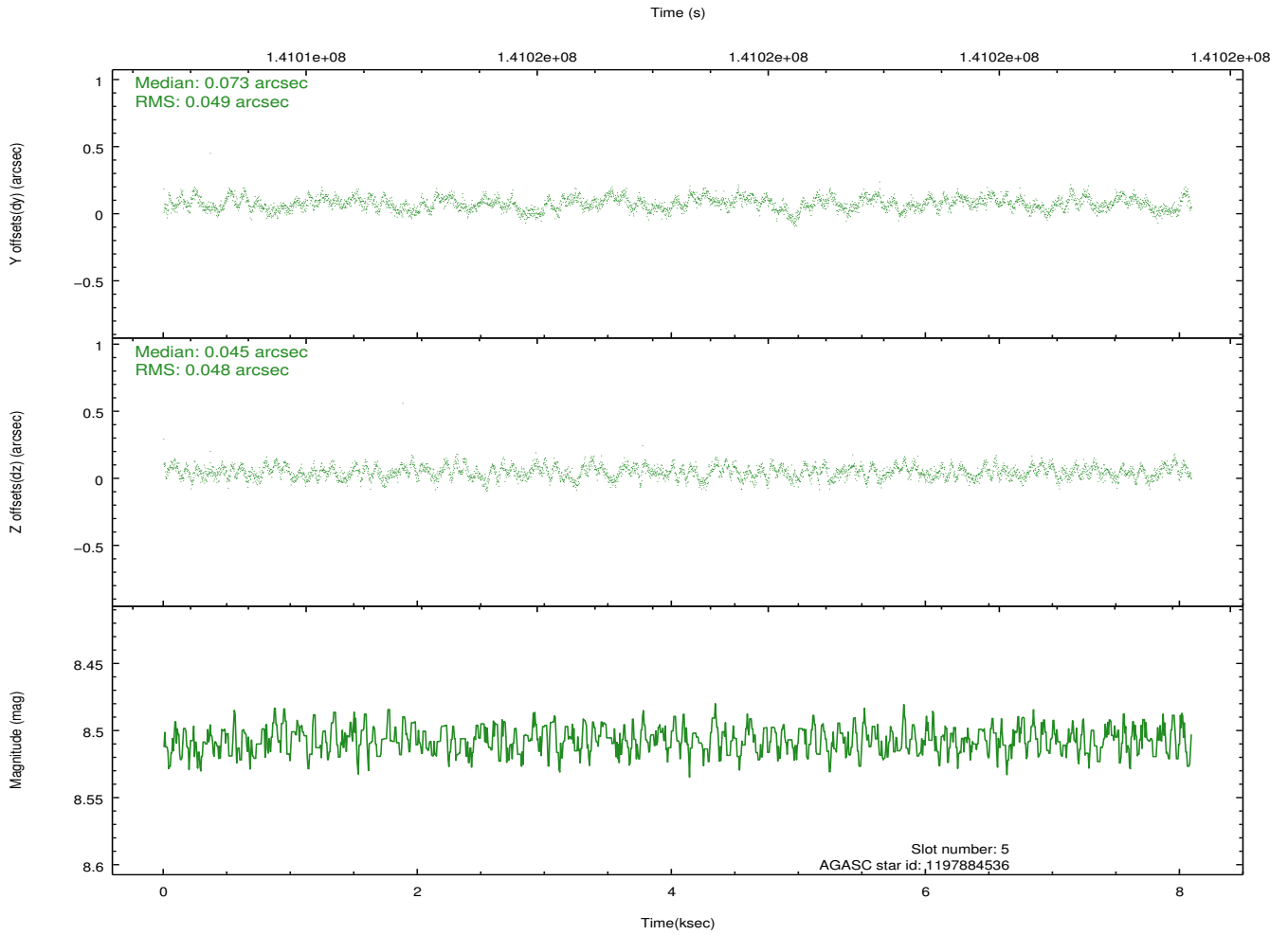
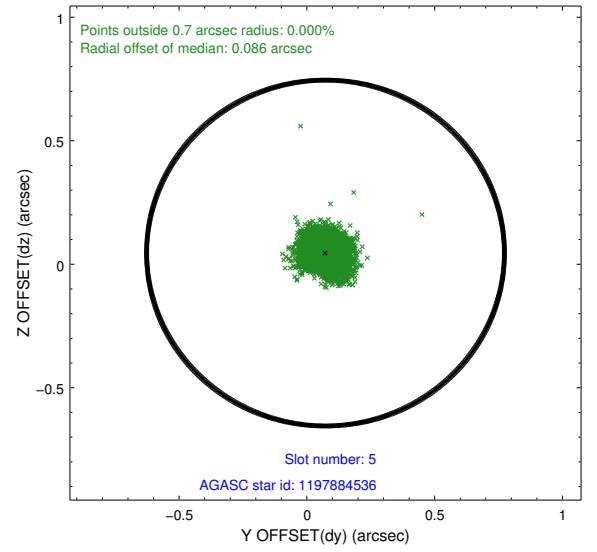
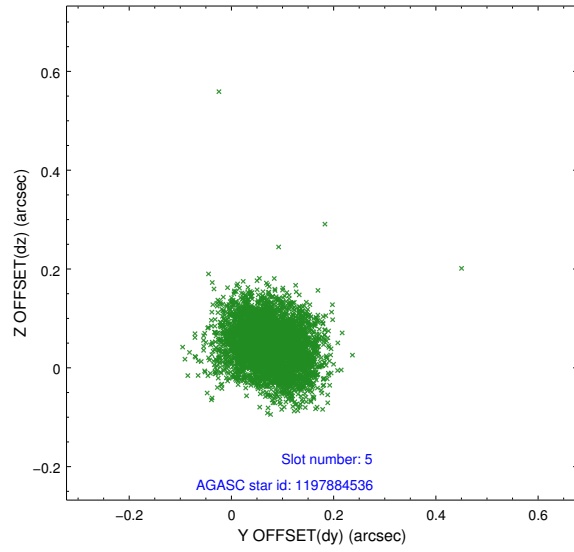
2.4.1 Slot 3



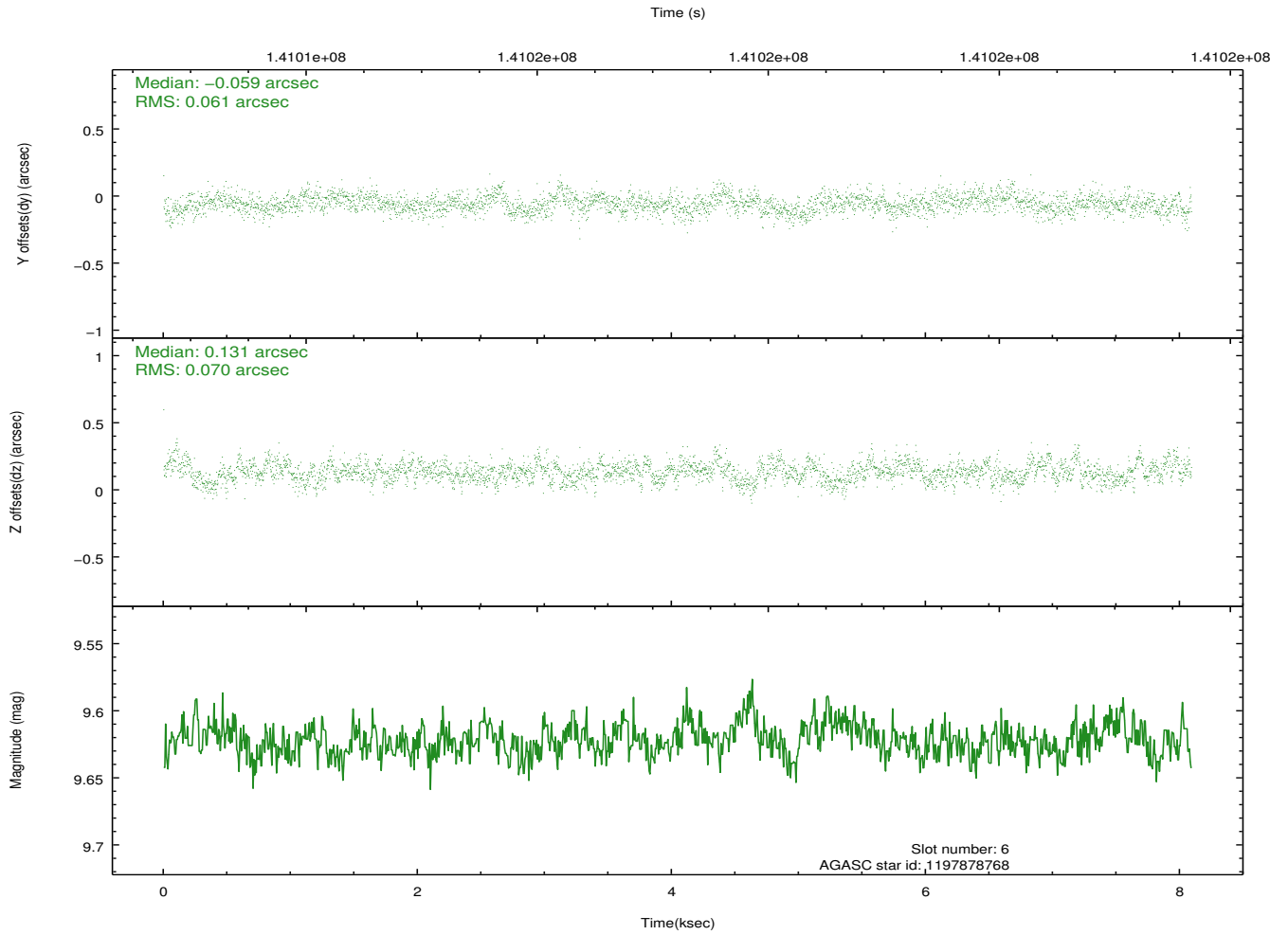
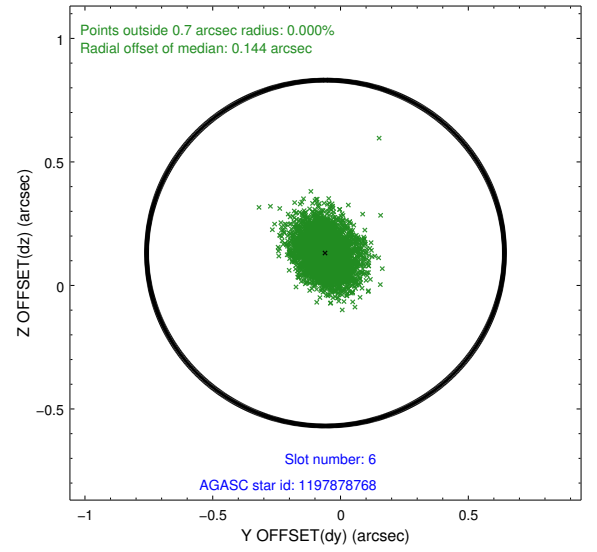
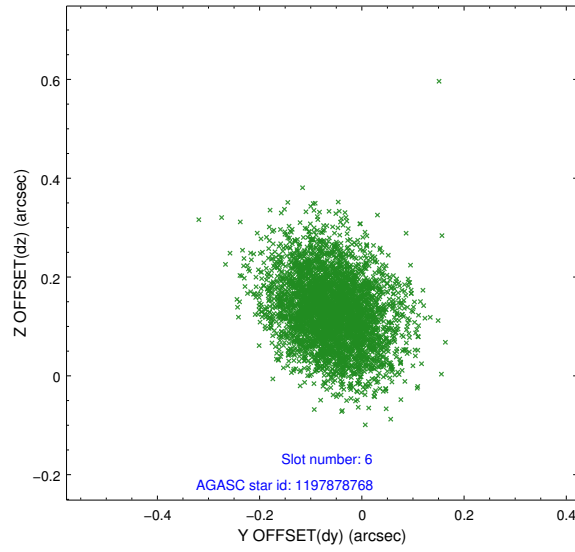
2.4.2 Slot 4



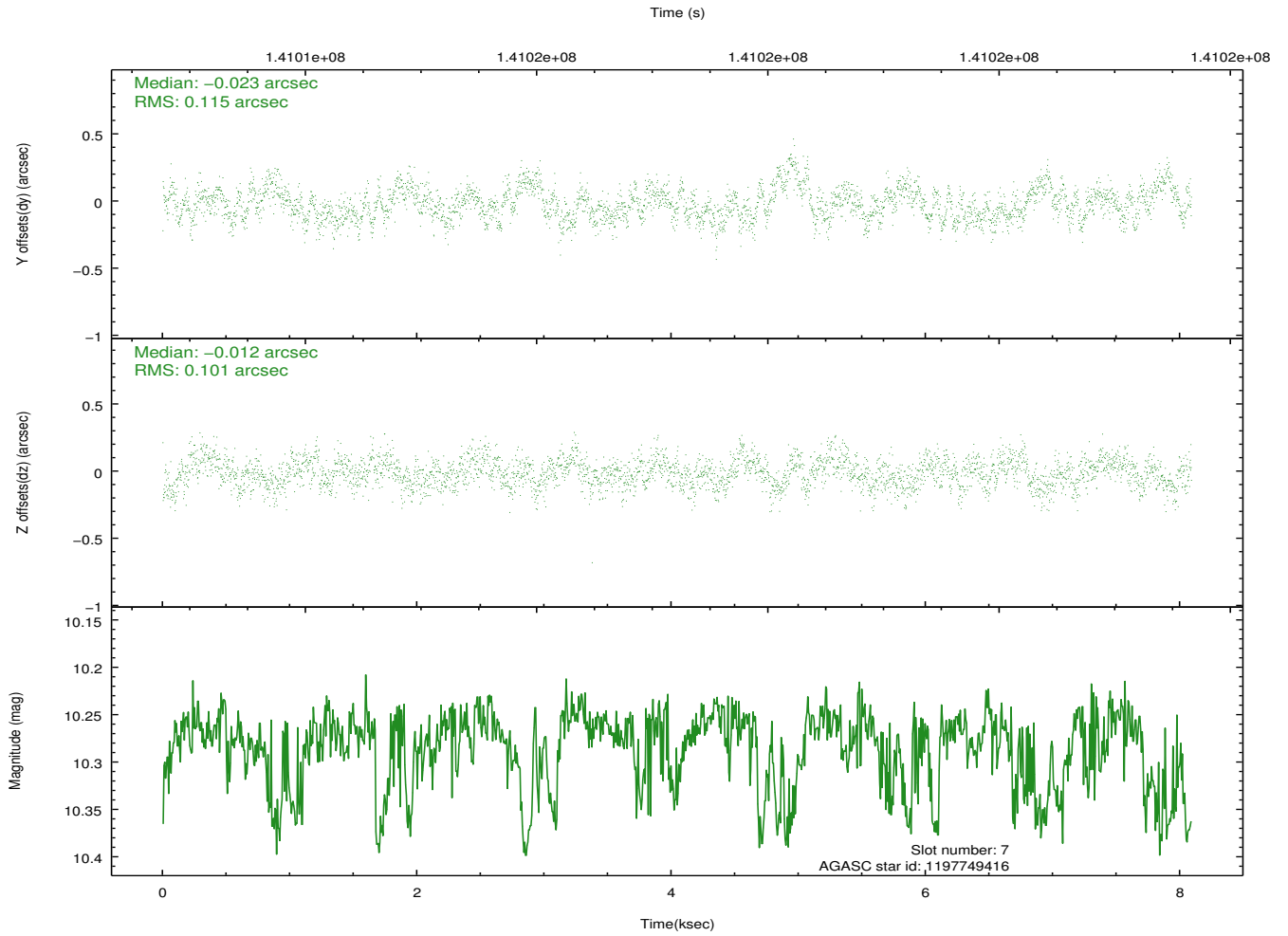
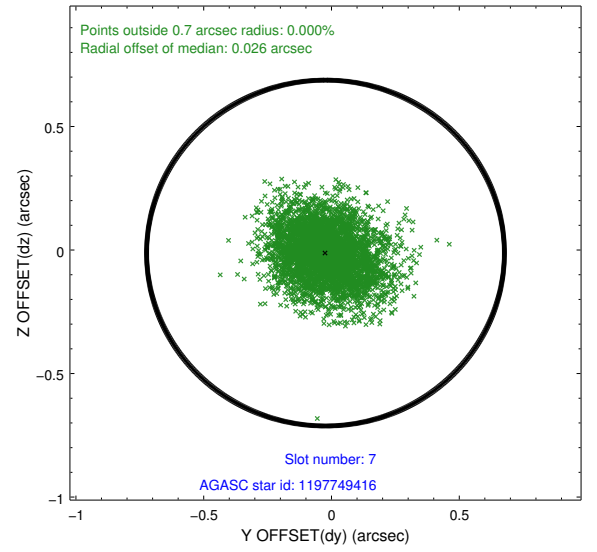
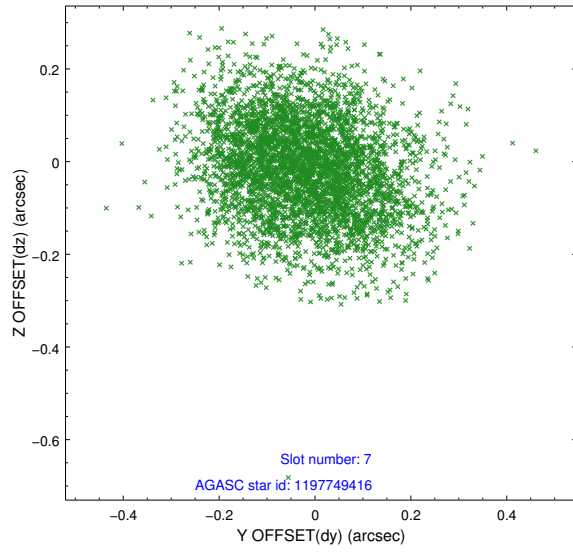
2.4.3 Slot 5



2.4.4 Slot 6

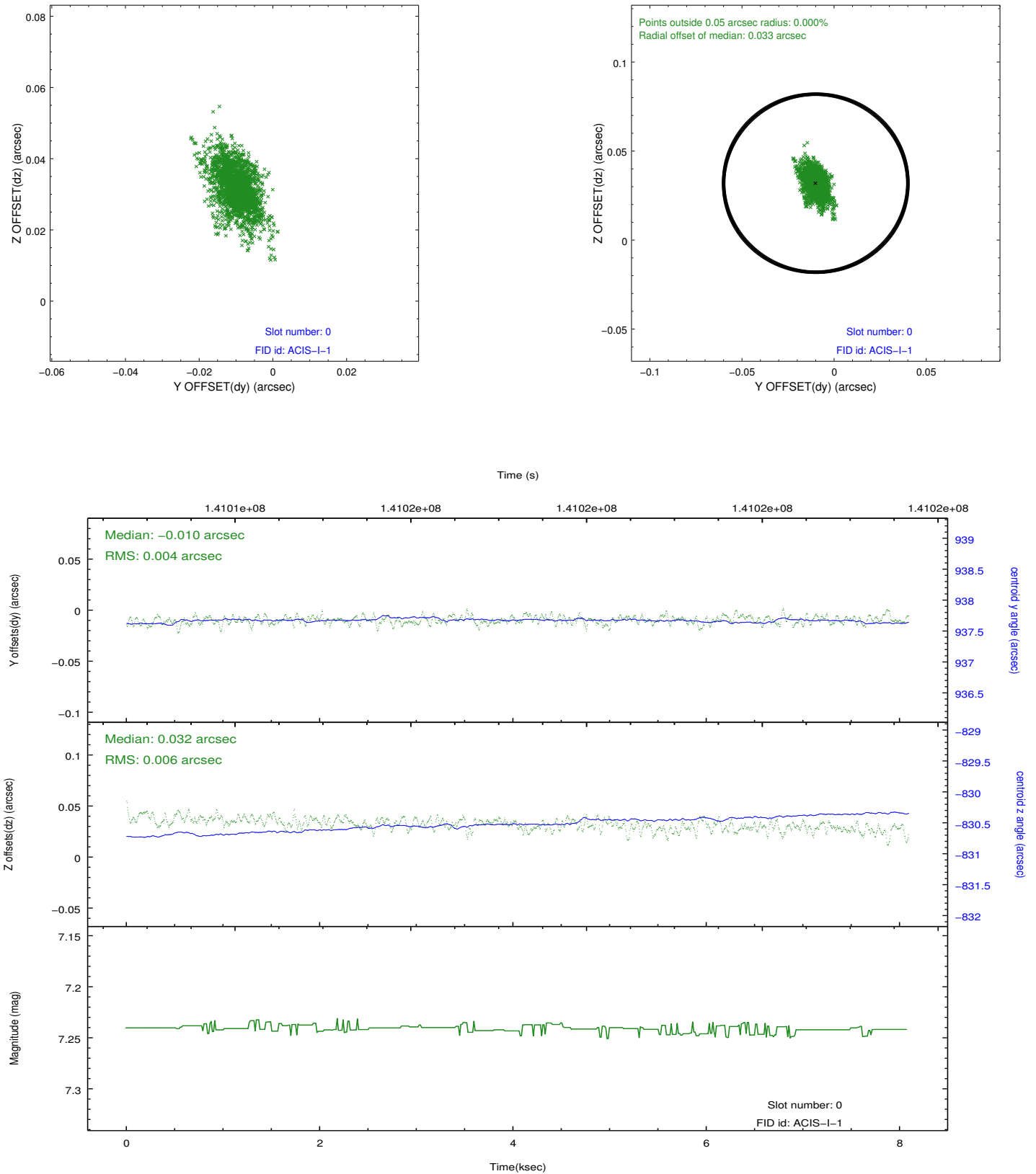


2.4.5 Slot 7

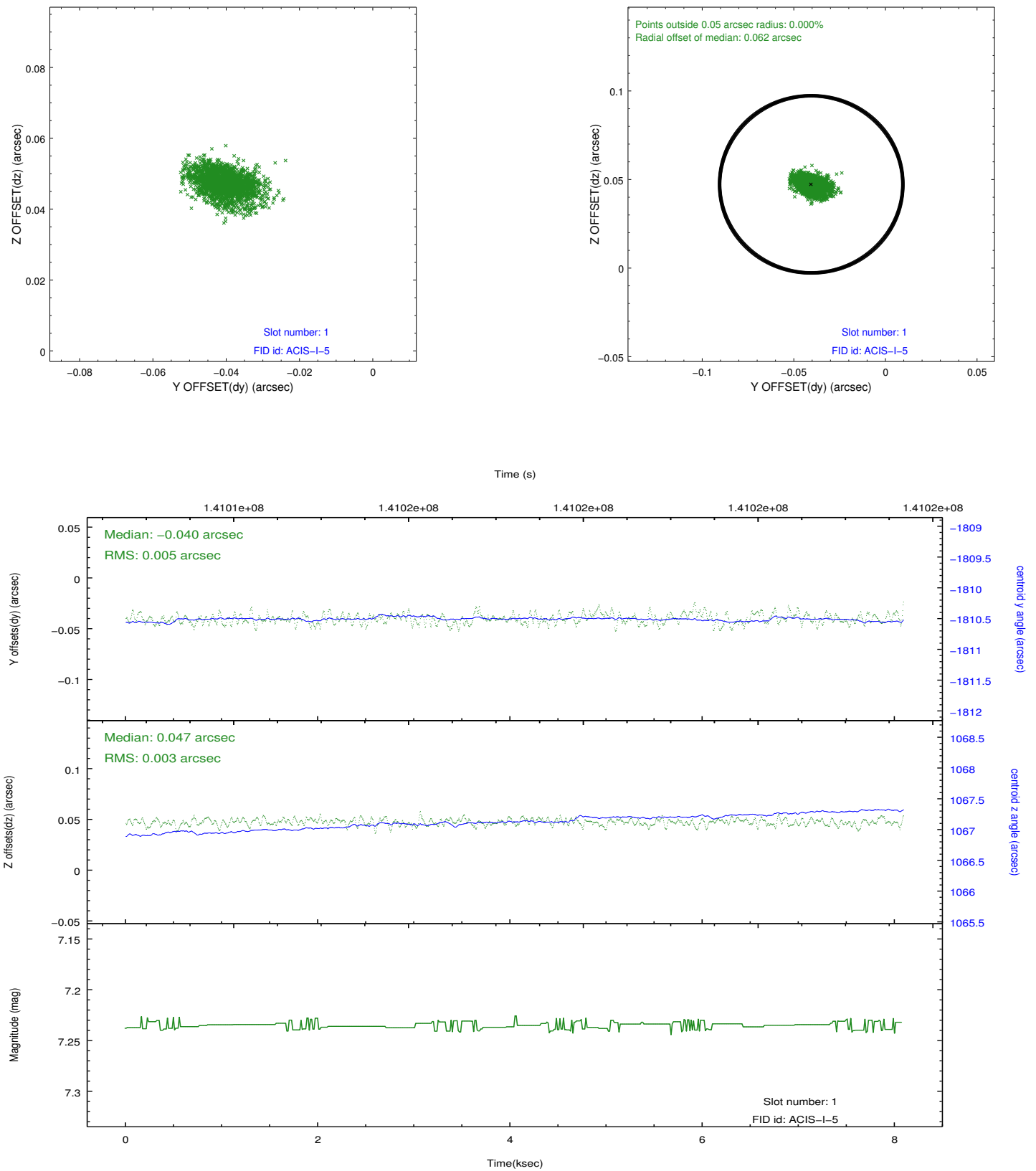


2.5 FID Slots

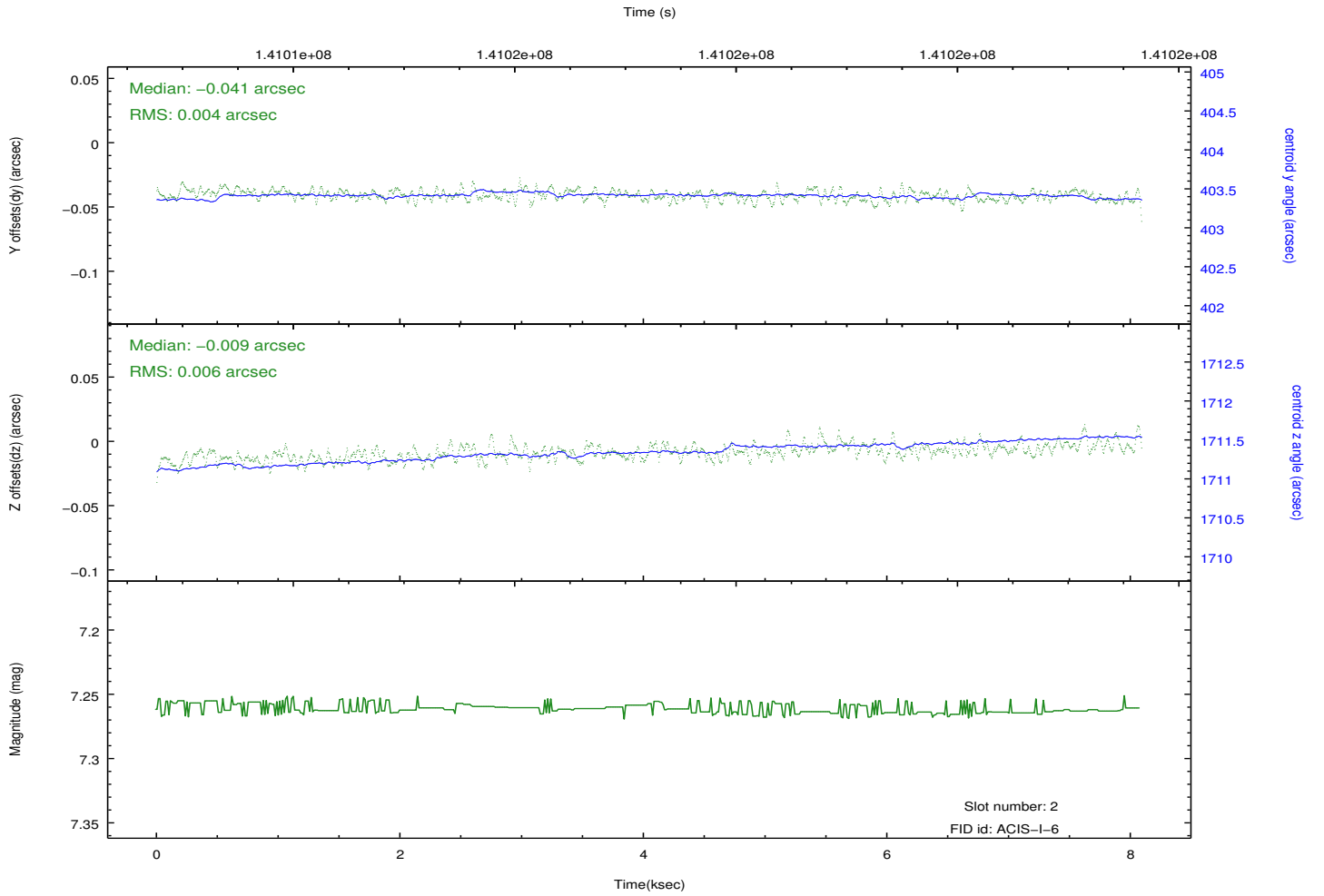
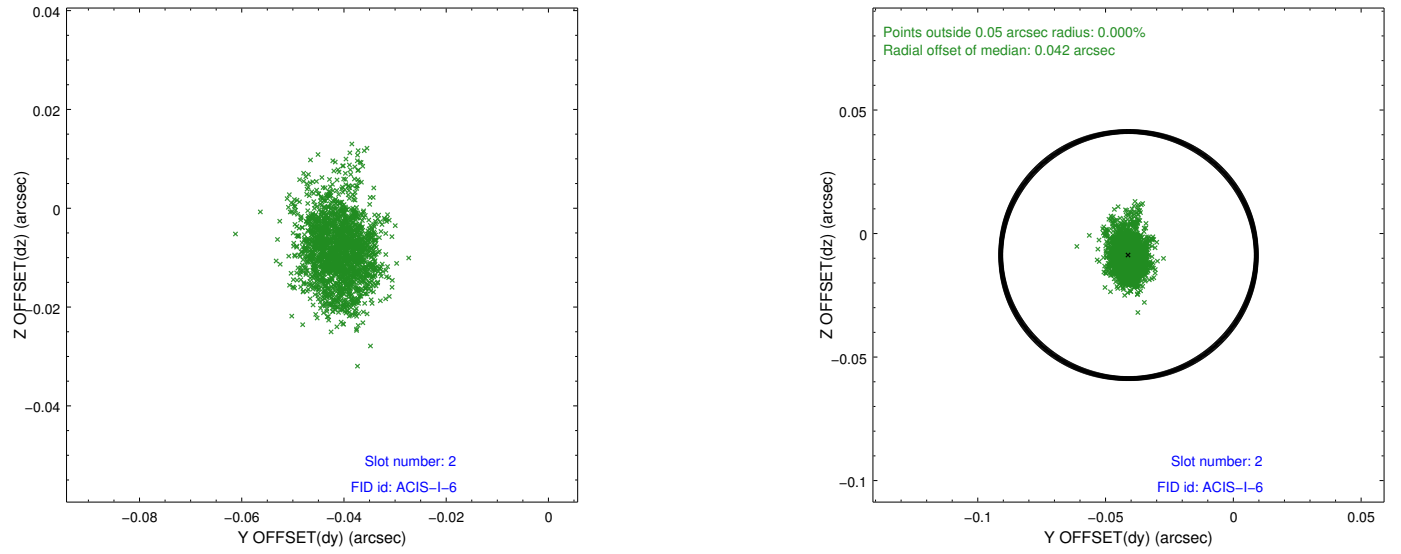
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.654

A.2 Comments

Window constraint satisfied.