

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6757 - L2 Version 2
Chandra X-Ray Center

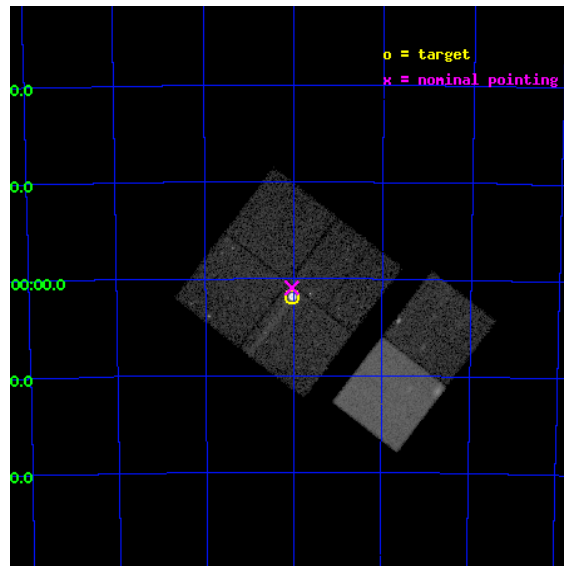
L2 Processing Date : Apr 2 2012

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1 Front

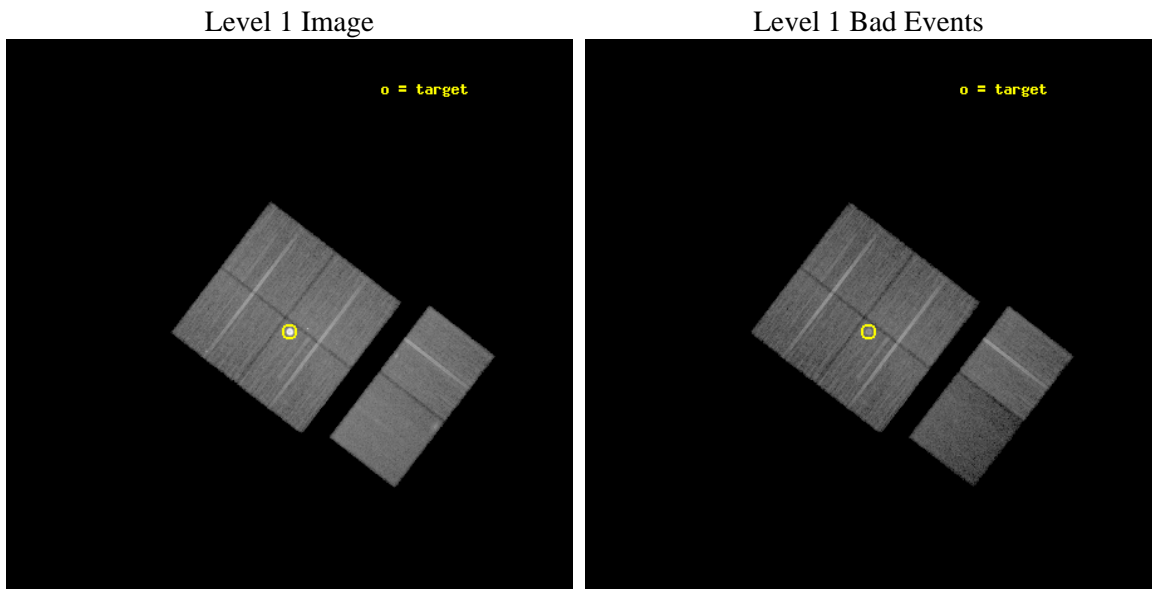
seq_num	590440	Sequence number
obs_id	6757	Observation id
title	AO7 ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I3,-120,-0.5,0.5,0]	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.011375008639	Nominal RA [deg]
dec_nom	-72.015845366019	Nominal Dec [deg]
roll_nom	127.51487448368	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20057.59992528	Sum of GTIs [s]
livetime	19803.618517789	Livetime [s]
ontime0	20054.358935088	Sum of GTIs [s]
ontime1	20057.59992528	Sum of GTIs [s]
ontime2	20054.358935058	Sum of GTIs [s]
ontime3	20057.59992528	Sum of GTIs [s]
ontime6	20054.358954966	Sum of GTIs [s]
ontime7	20057.59992528	Sum of GTIs [s]
l2events	185114	Number of level 2 events



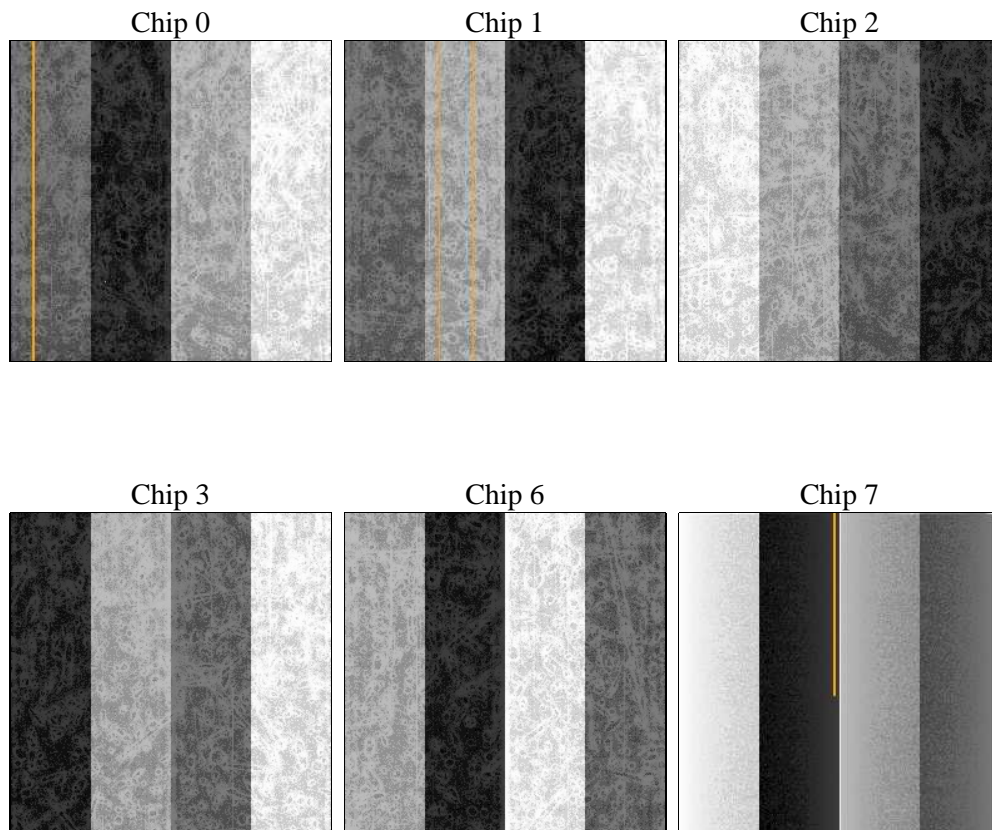
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19947.285000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	20057.59992528	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	20054.358935088	Sum of GTIs [s]
date	2012-04-02T20:13:17	Date and time of file creation	ontime1	20057.59992528	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20054.358935058	Sum of GTIs [s]
			ontime3	20057.59992528	Sum of GTIs [s]
			ontime6	20054.358954966	Sum of GTIs [s]
			ontime7	20057.59992528	Sum of GTIs [s]
			l1events	980736	Number of level 1 events

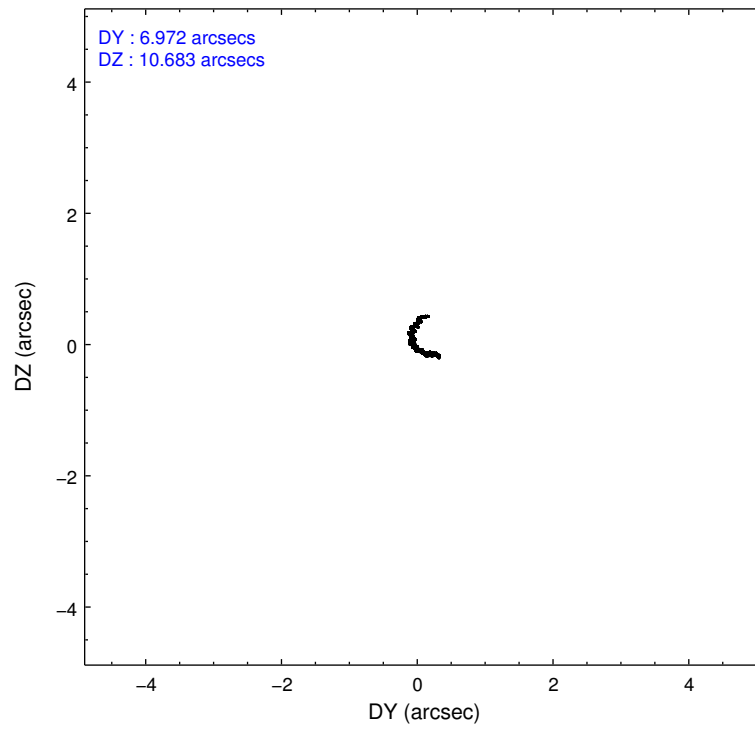
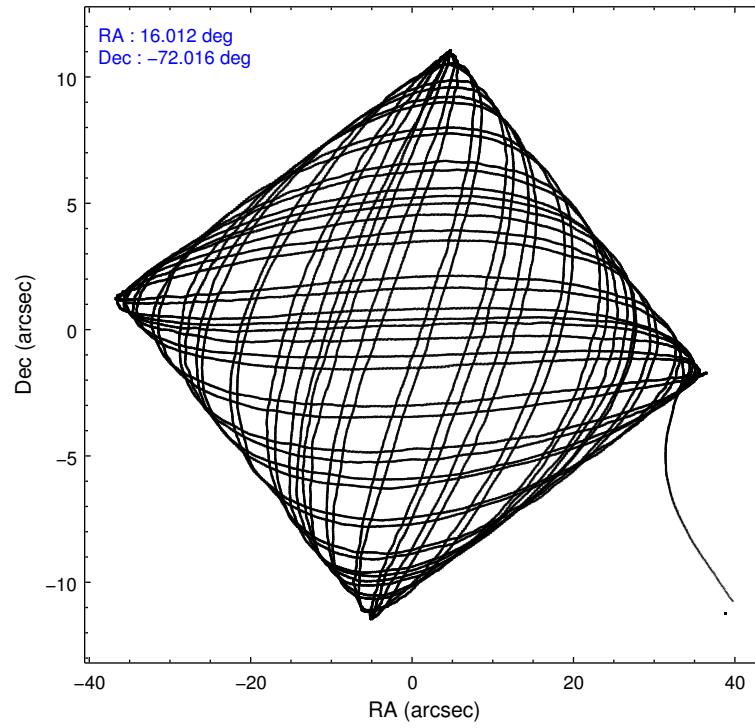
2.1.4 Events

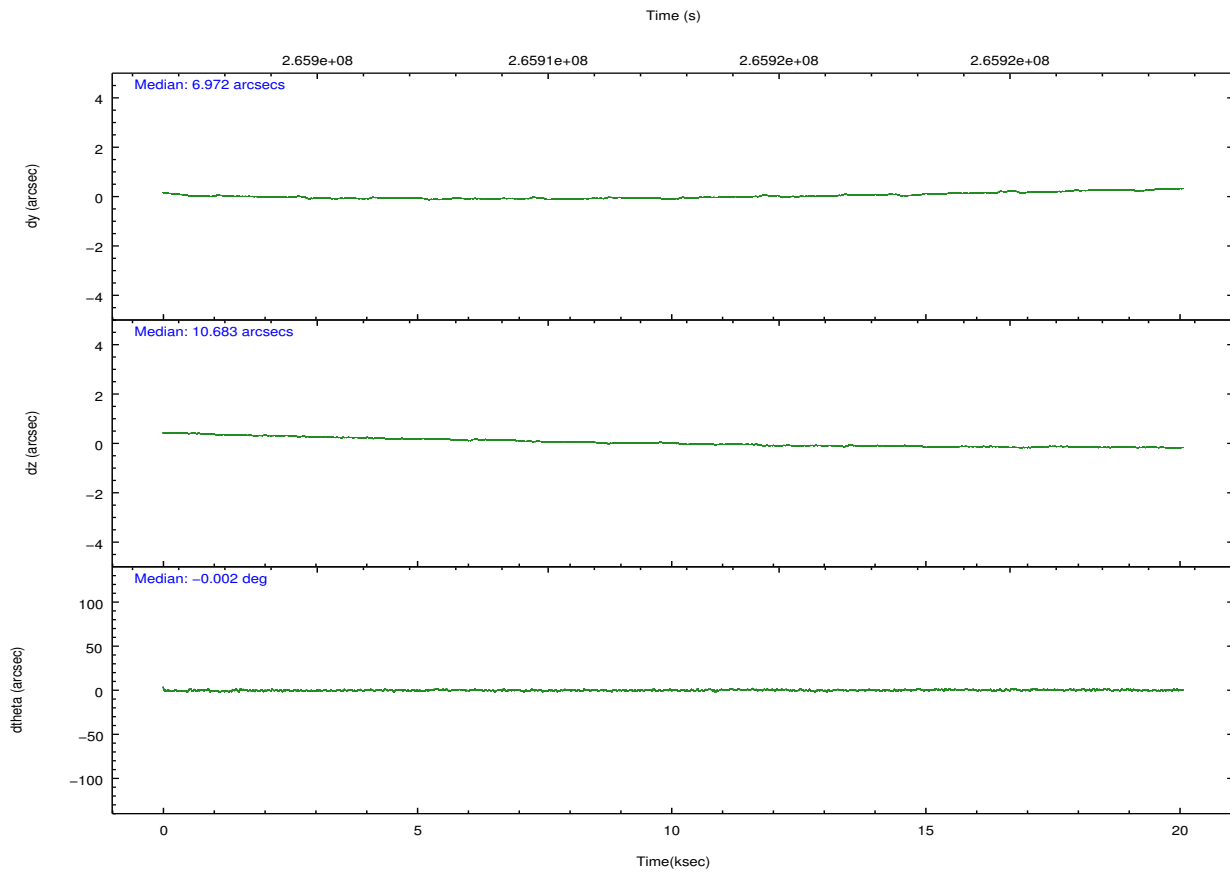
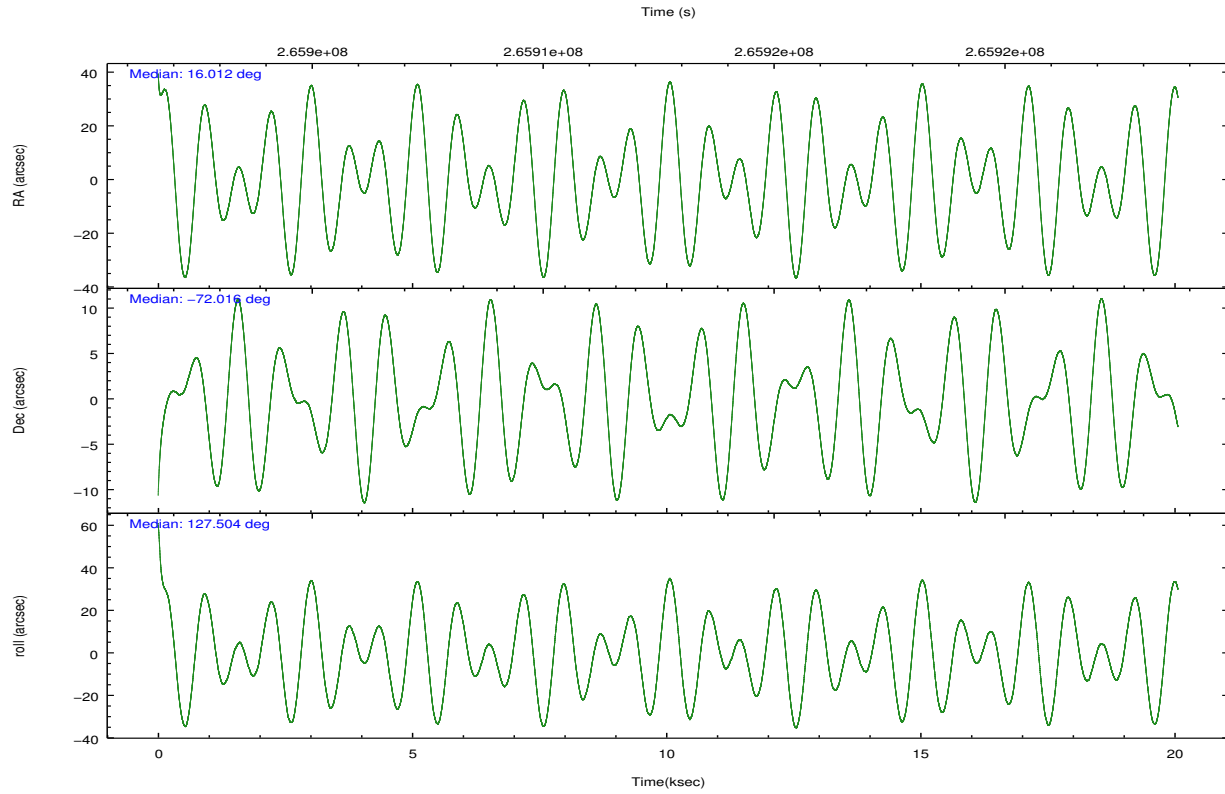
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	144188	142239	169391	218716	160040	146162	grade 0 events	5462	6105	6481	61798	6528	7211
rejected events	130726	127347	155122	143044	145040	79990		3%	4%	3%	28%	4%	4%
rejected %	90%	89%	91%	65%	90%	54%	grade 1 events	88	98	109	787	95	164
								0%	0%	0%	0%	0%	0%
							grade 2 events	3513	3536	3556	7330	3490	15484
								2%	2%	2%	3%	2%	10%
							grade 3 events	1682	1875	1578	2618	1715	7088
								1%	1%	0%	1%	1%	4%
							grade 4 events	1601	1799	1652	2586	1703	7102
								1%	1%	0%	1%	1%	4%
							grade 5 events	4352	5040	4107	5584	5180	15796
								3%	3%	2%	2%	3%	10%
							grade 6 events	2581	3065	2466	2957	3058	35657
								1%	2%	1%	1%	1%	24%
							grade 7 events	124909	120721	149442	135056	138271	57660
								86%	84%	88%	61%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.093457	16.01137500863888	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.026209	-72.01584536601891	Alternating exposures requested	N	N
[deg] Pointing Roll	127.384249	127.5148744836758	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	262828865.184000	262828865.184000			
[s] Window stop time (MET)	268012865.184000	268012865.184000			
[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)	265902781.184000	265900676.71621			
Observation start date	2006-06-05T13:51:56	2006-06-05T13:17:56			
[s] Observation end time (MET)	265922728.184000	265922961.24225			
Observation end date	2006-06-05T19:24:23	2006-06-05T19:29:21			
Read mode	TIMED	TIMED			

2.3 Aspect



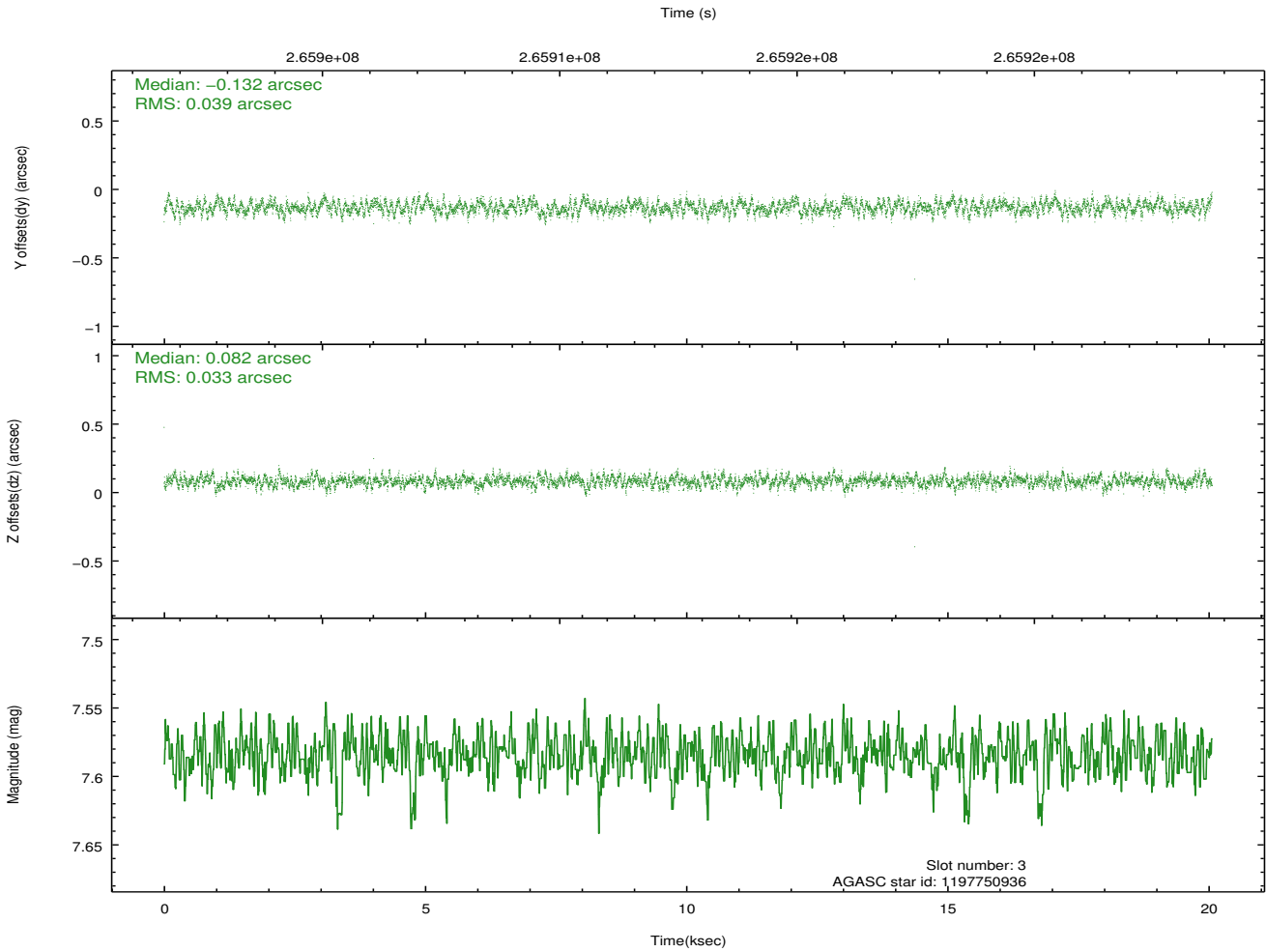
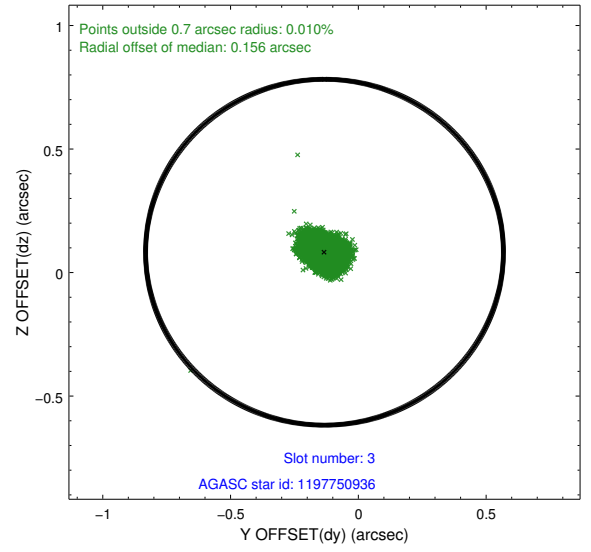
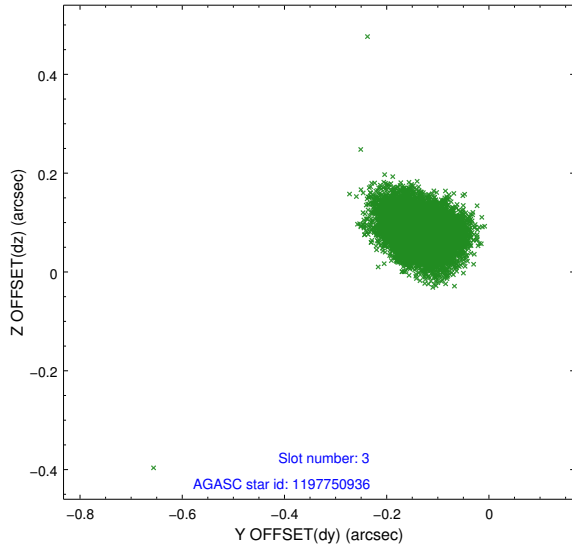


Slot Statistics

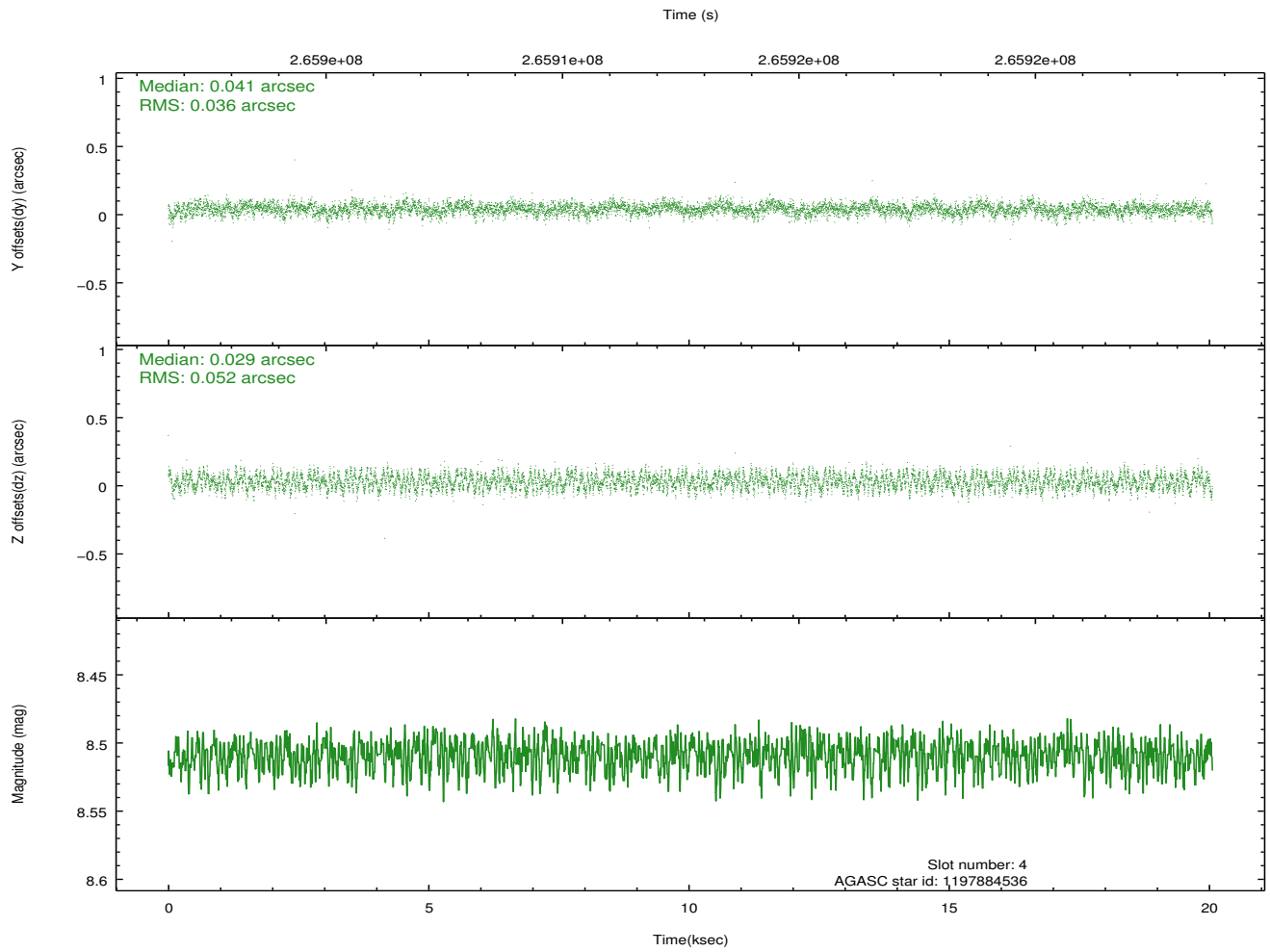
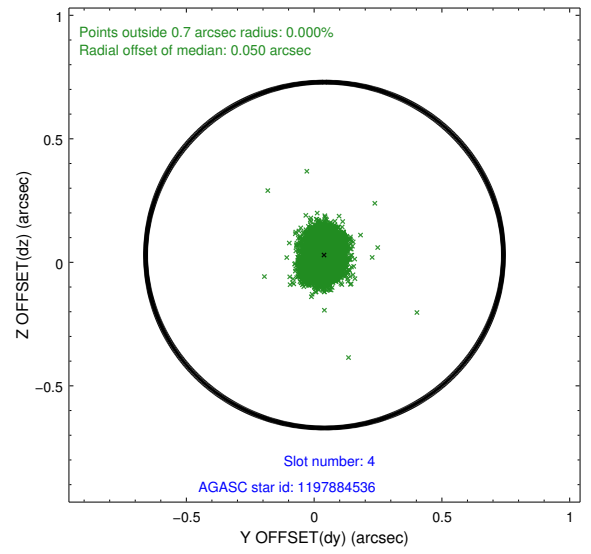
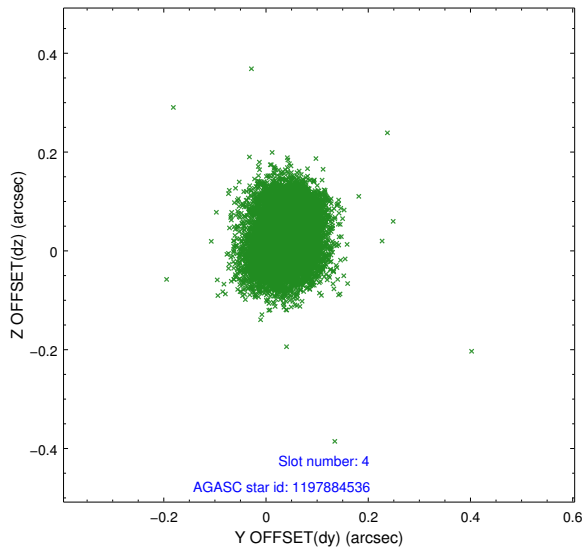
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	4893	-0.066	-0.084	0.017	0.027	0.000000	0.000000	-761.57	-840.65
1	FID	ACIS-I-4	7.18	4894	0.136	0.065	0.011	0.020	0.000000	0.000000	2152.62	1065.56
2	FID	ACIS-I-5	7.22	4894	-0.171	0.087	0.015	0.024	0.000000	0.000000	-1815.25	1063.66
3	GUIDE	1197750936	7.58	9787	-0.132	0.082	0.054	0.088	15.387940	-71.549550	1847.82	-399.45
4	GUIDE	1197884536	8.51	9783	0.041	0.029	0.067	0.106	17.160729	-71.835289	-188.68	-1362.29
5	GUIDE	1197884712	8.30	9780	0.056	-0.018	0.055	0.088	16.087398	-72.252690	-643.58	500.37
6	GUIDE	1197885328	7.24	9783	-0.120	0.091	0.050	0.078	16.283090	-71.733943	706.00	-808.75
7	GUIDE	1198189696	7.37	9787	0.154	-0.185	0.058	0.091	15.223750	-72.697522	-1360.30	2211.11

2.4 Star Slots

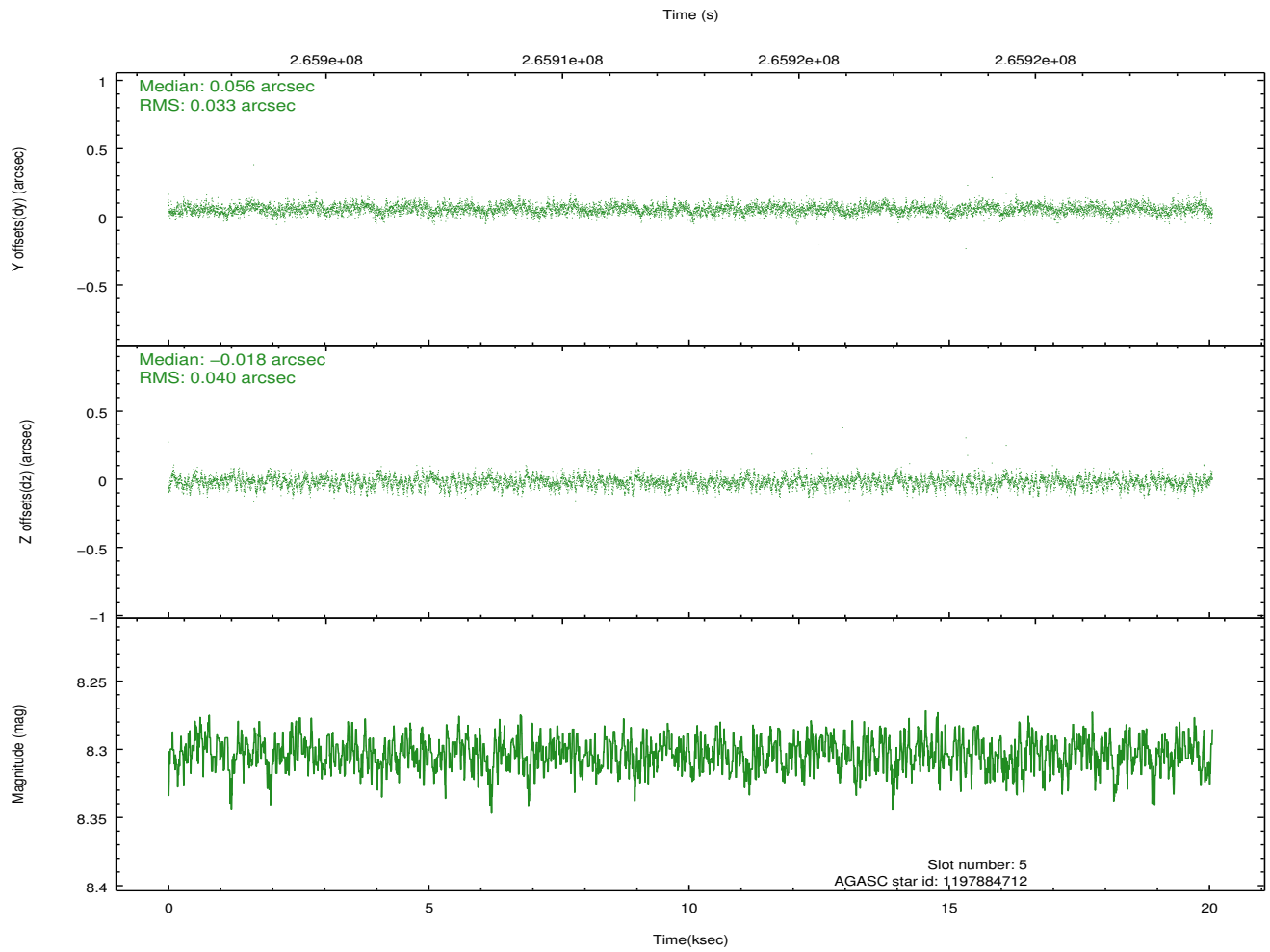
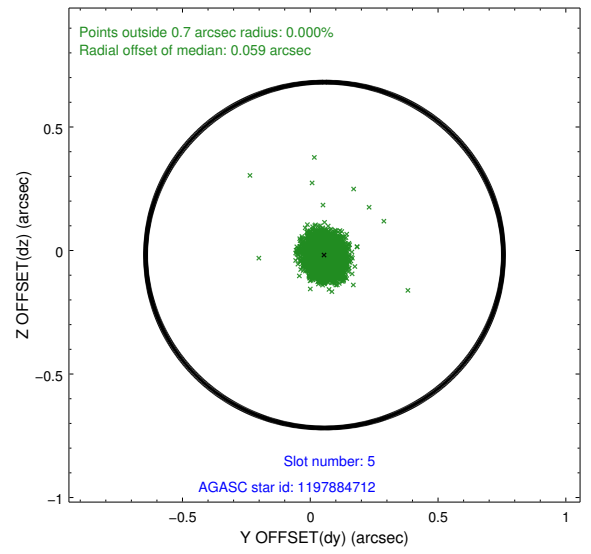
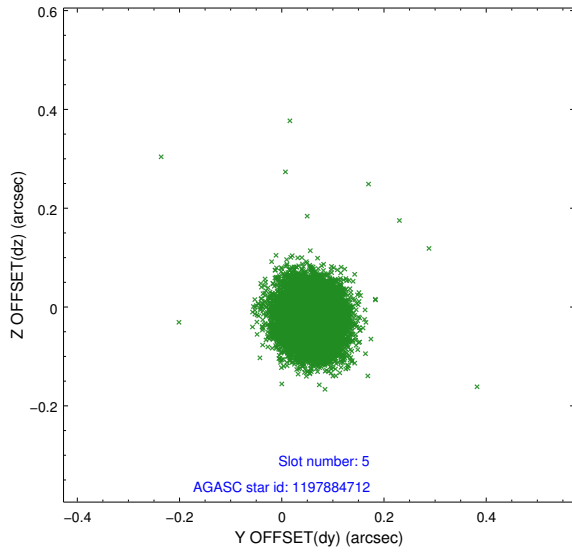
2.4.1 Slot 3



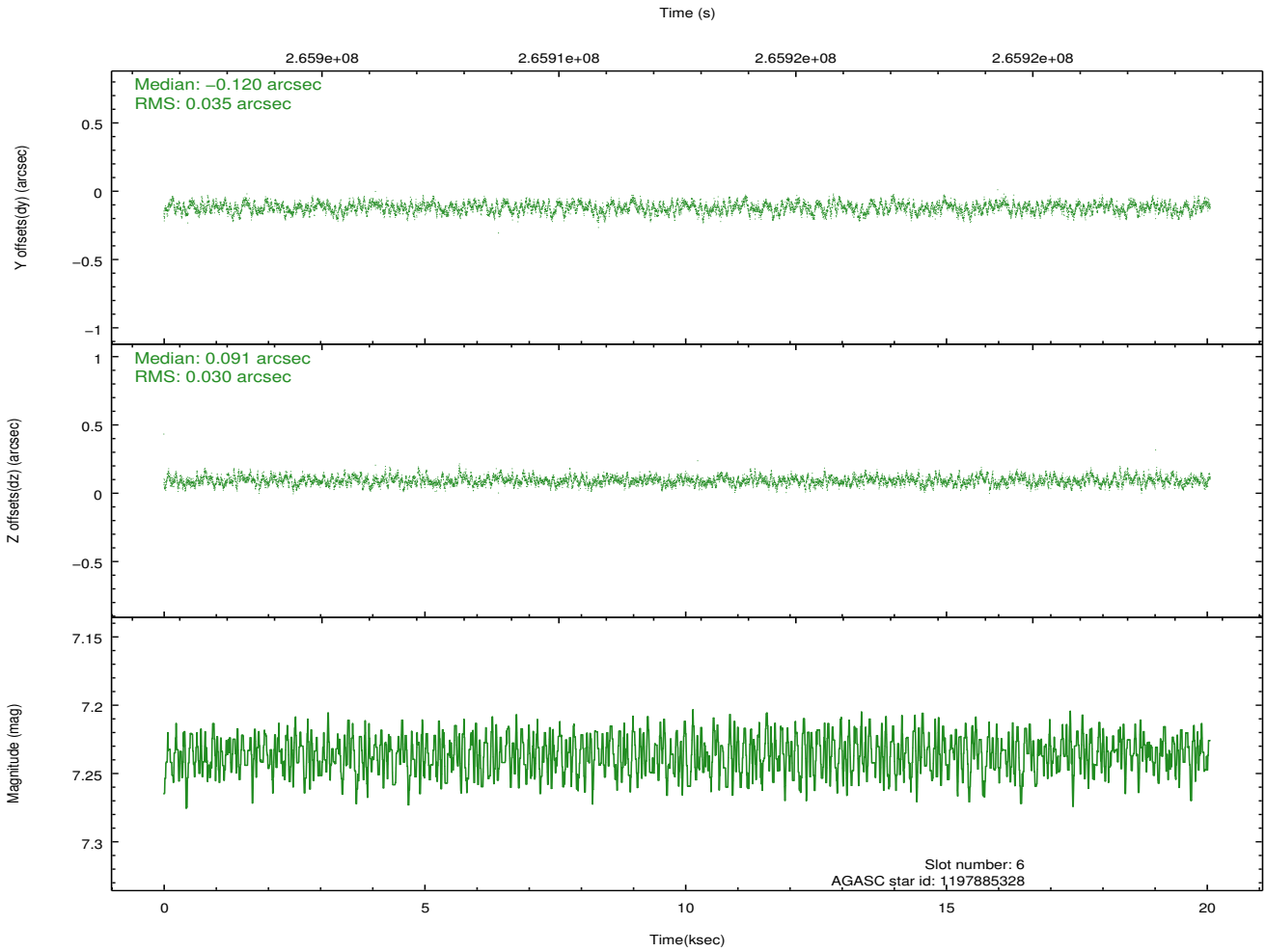
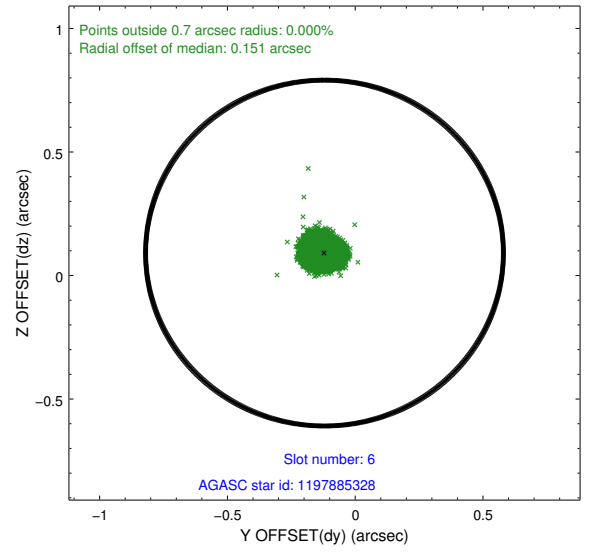
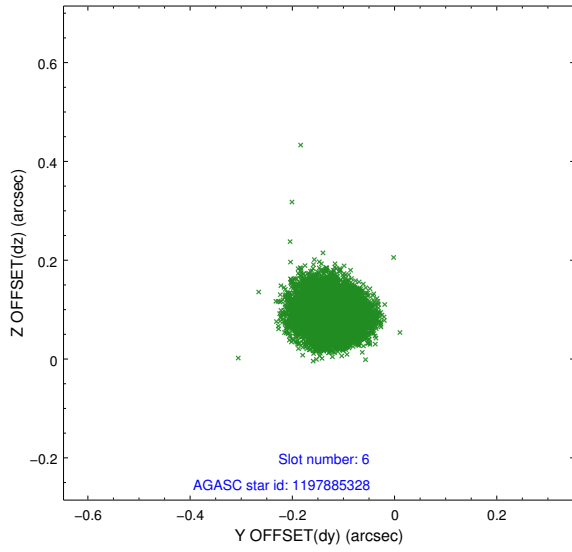
2.4.2 Slot 4



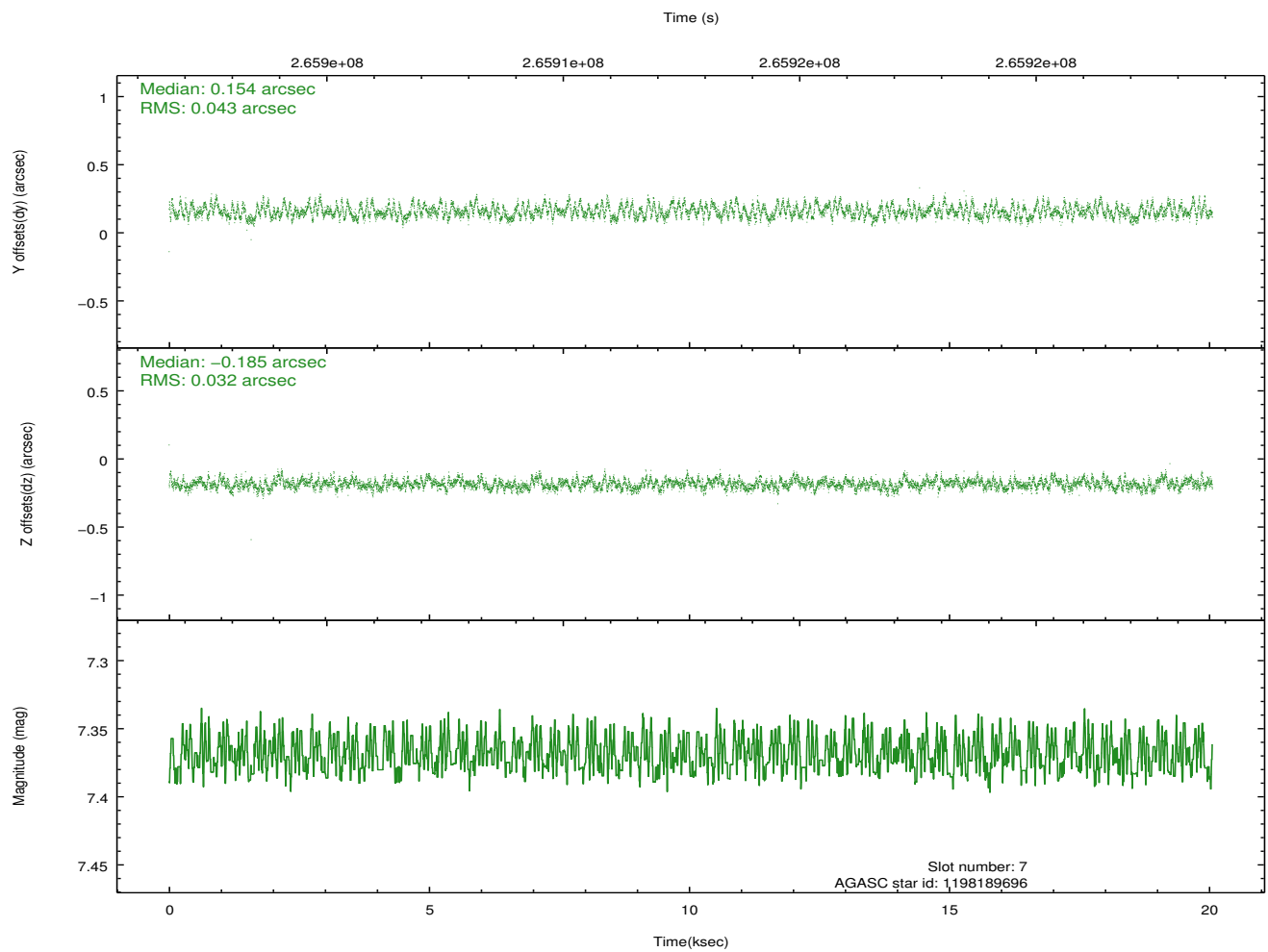
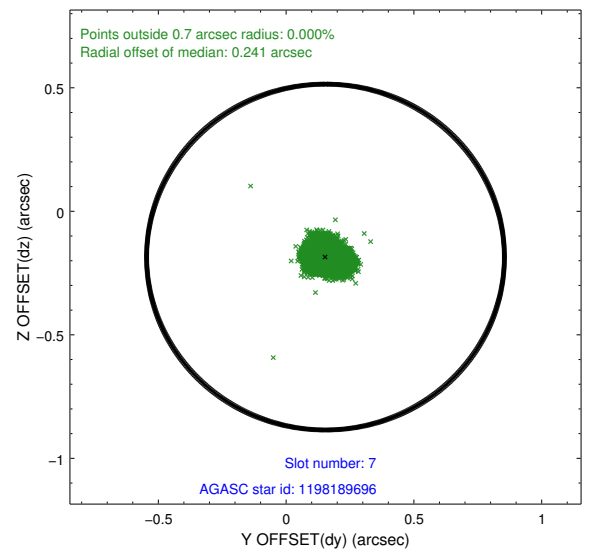
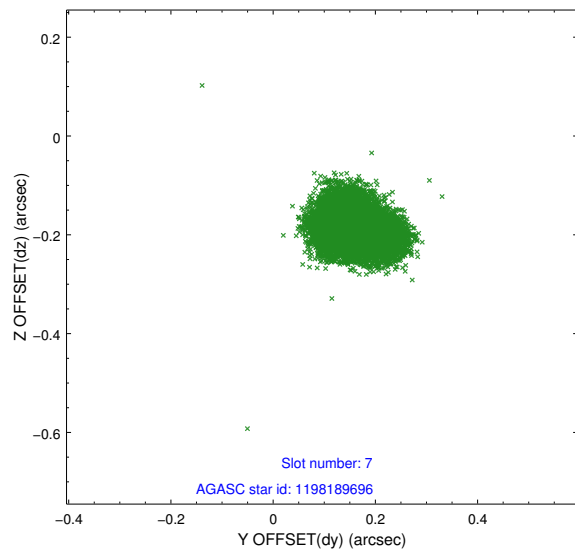
2.4.3 Slot 5



2.4.4 Slot 6

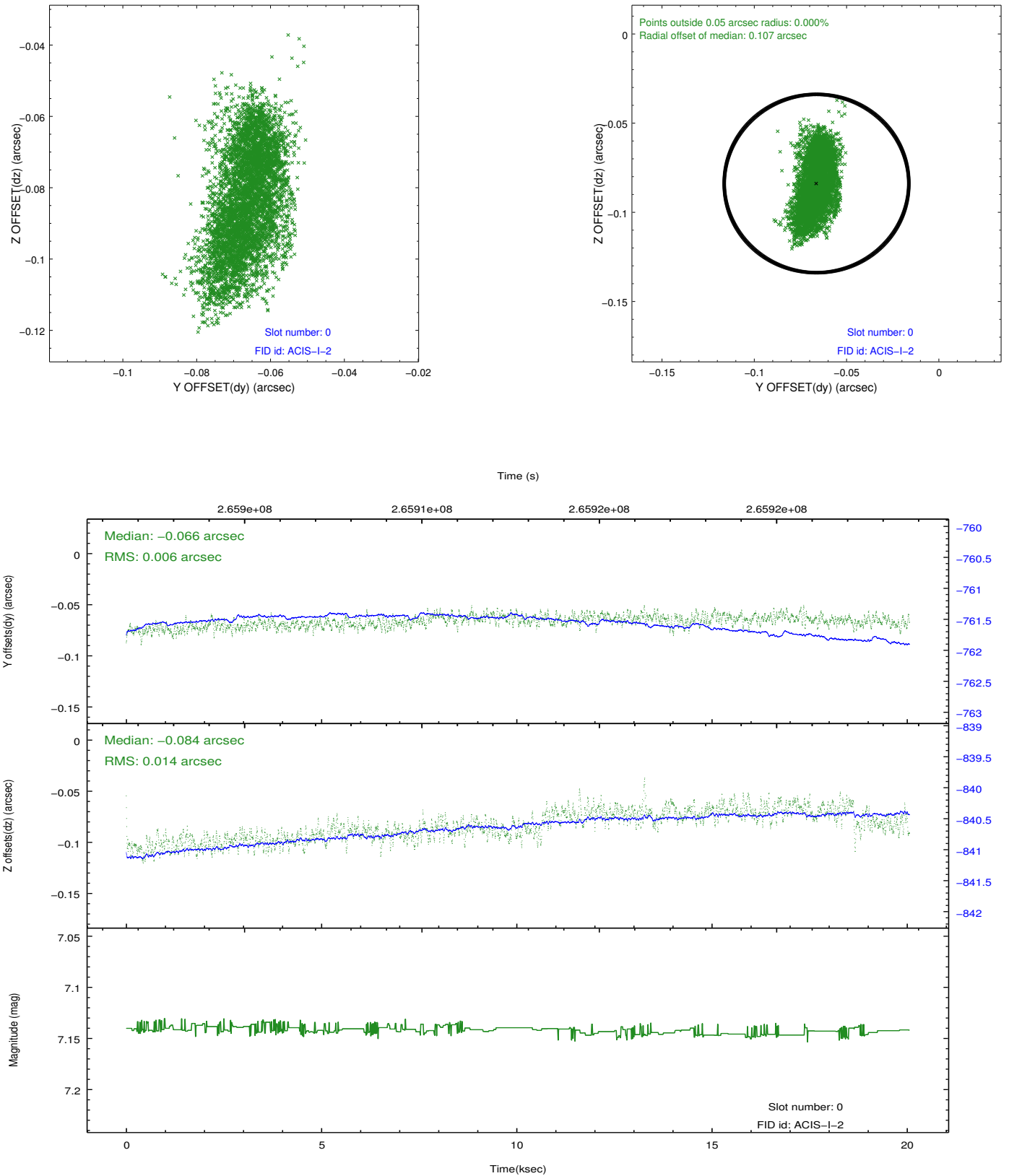


2.4.5 Slot 7

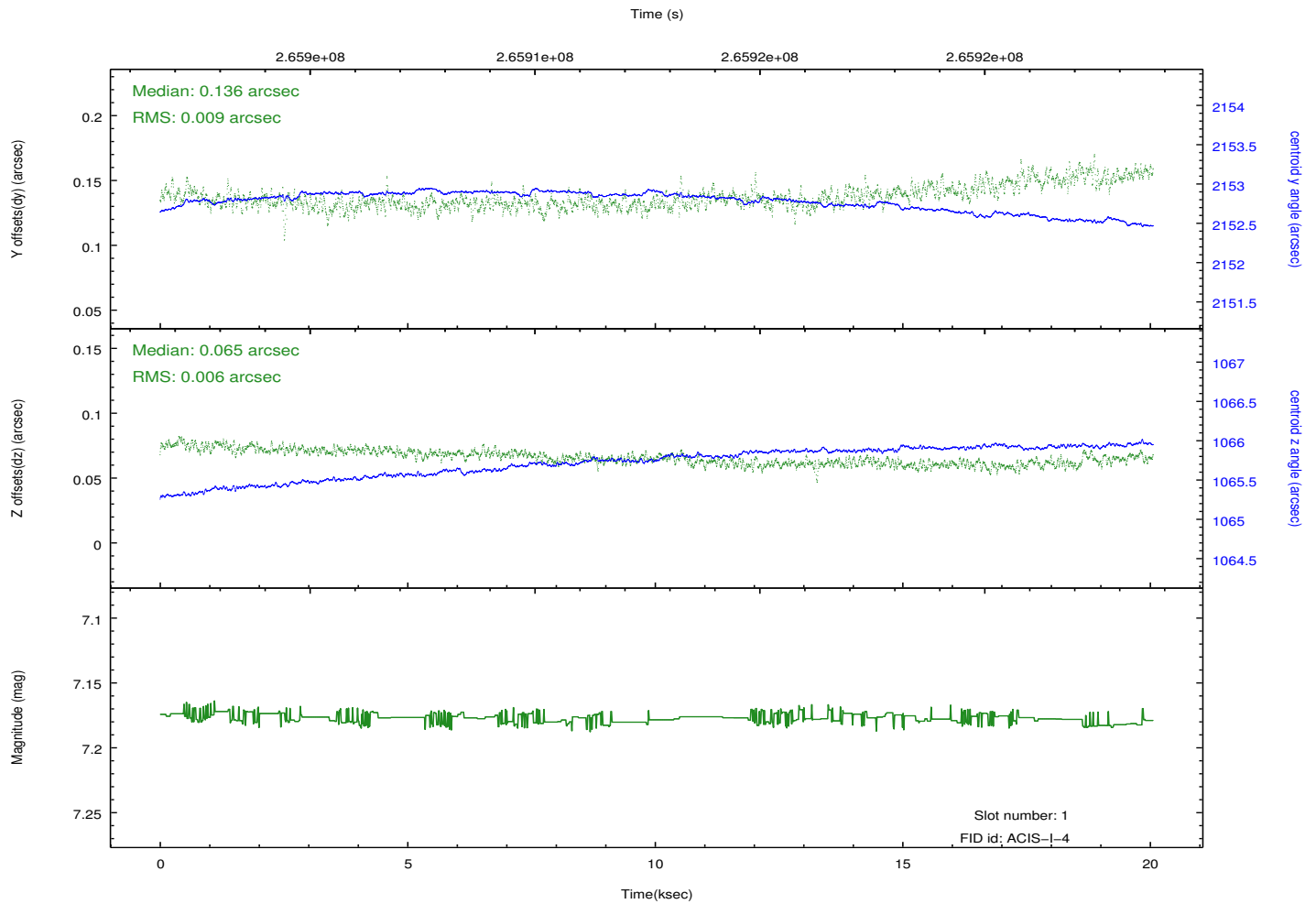
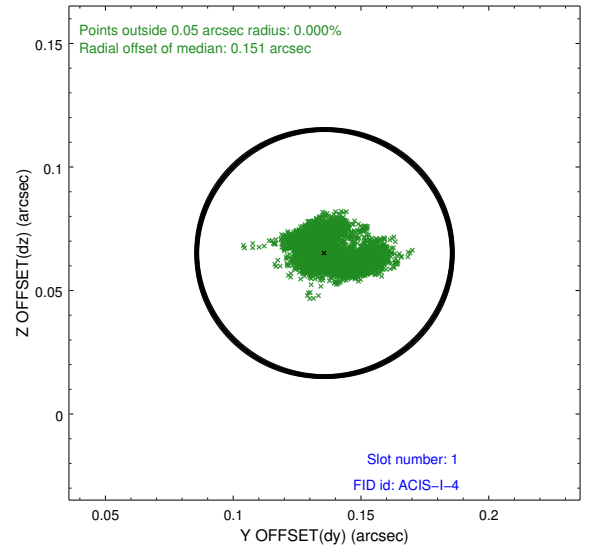
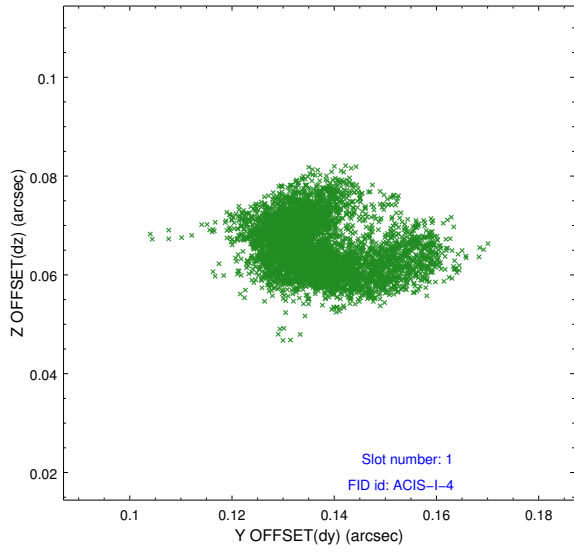


2.5 FID Slots

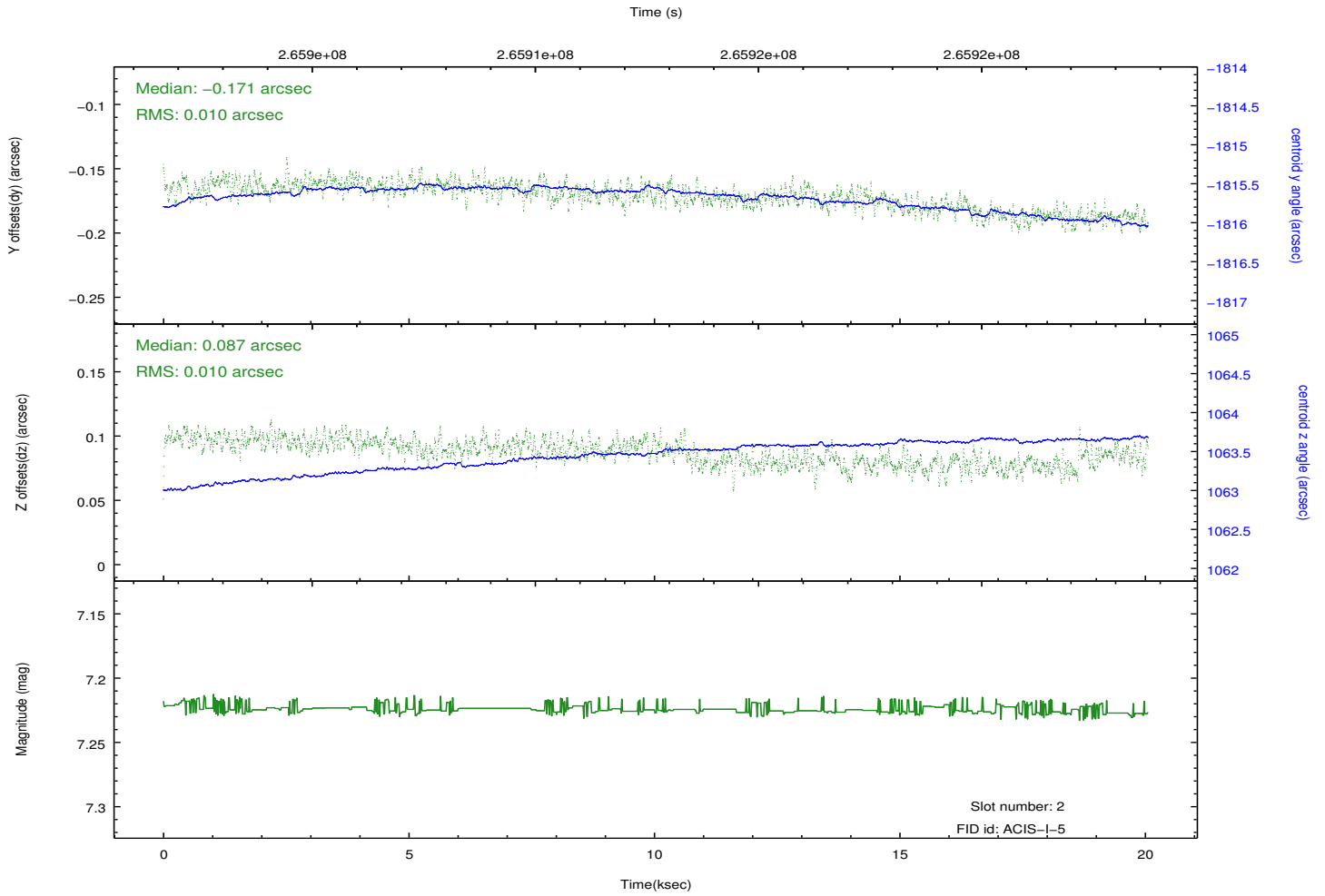
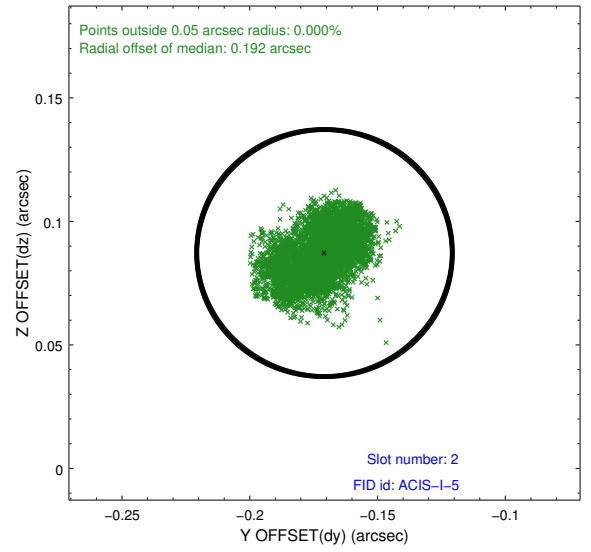
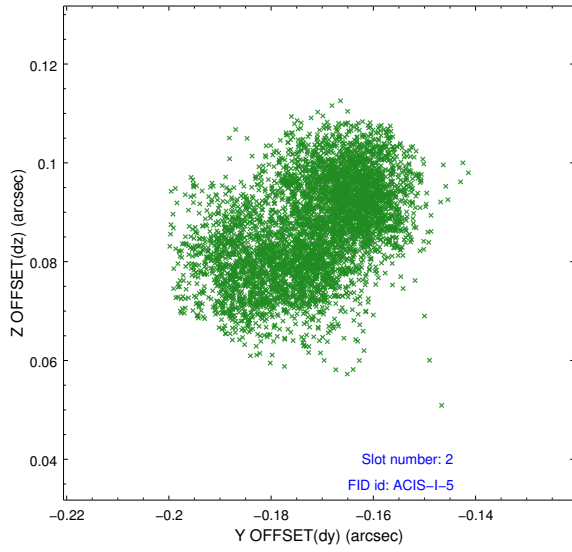
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.0575999

A.2 Comments

Window constraint met.