

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6749 - L2 Version 2
Chandra X-Ray Center

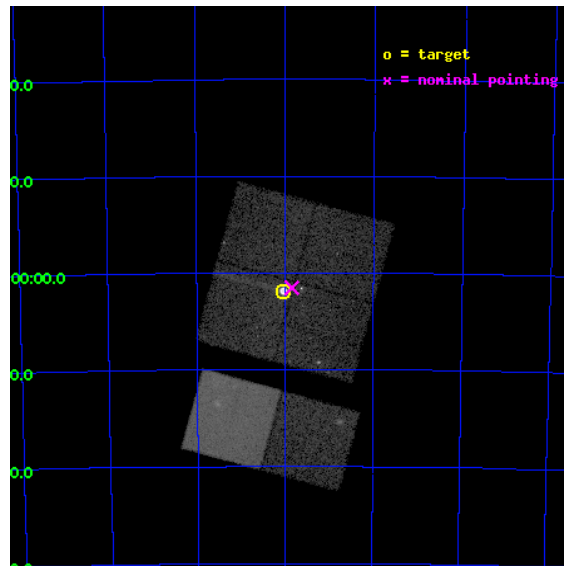
L2 Processing Date : Mar 28 2012

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1 Front

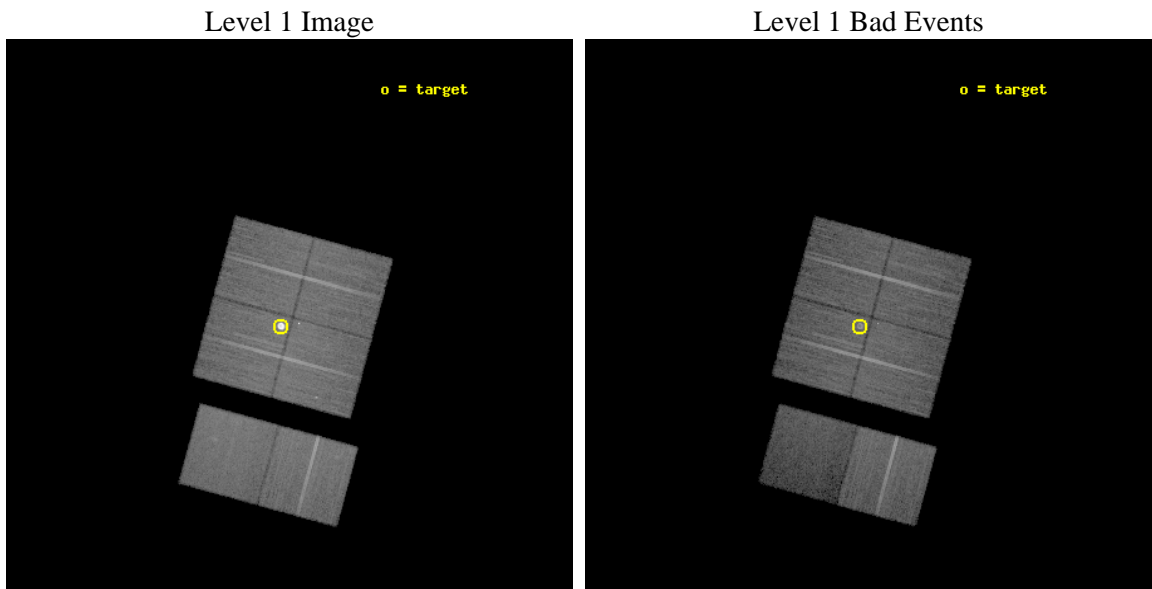
seq_num	590432	Sequence number
obs_id	6749	Observation id
title	AO7 ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I3,-120,-0.5,0.5,0]	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.961931722902	Nominal RA [deg]
dec_nom	-72.025539447587	Nominal Dec [deg]
roll_nom	195.21866497933	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19756.685415149	Sum of GTIs [s]
livetime	19506.514368374	Livetime [s]
ontime0	19756.562295169	Sum of GTIs [s]
ontime1	19756.603335142	Sum of GTIs [s]
ontime2	19756.644375145	Sum of GTIs [s]
ontime3	19756.685415149	Sum of GTIs [s]
ontime6	19753.526534855	Sum of GTIs [s]
ontime7	19756.726455152	Sum of GTIs [s]
l2events	182014	Number of level 2 events



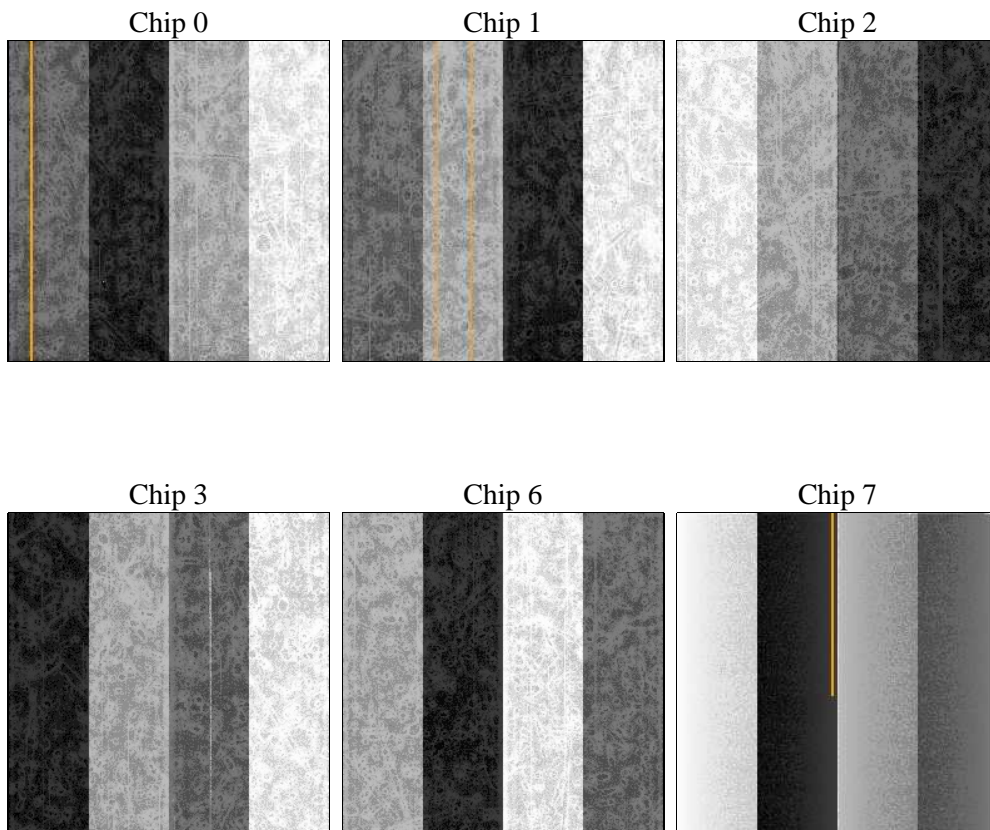
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	19756.685415149	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	19756.562295169	Sum of GTIs [s]
date	2012-03-28T21:26:39	Date and time of file creation	ontime1	19756.603335142	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19756.644375145	Sum of GTIs [s]
			ontime3	19756.685415149	Sum of GTIs [s]
			ontime6	19753.526534855	Sum of GTIs [s]
			ontime7	19756.726455152	Sum of GTIs [s]
			l1events	865525	Number of level 1 events

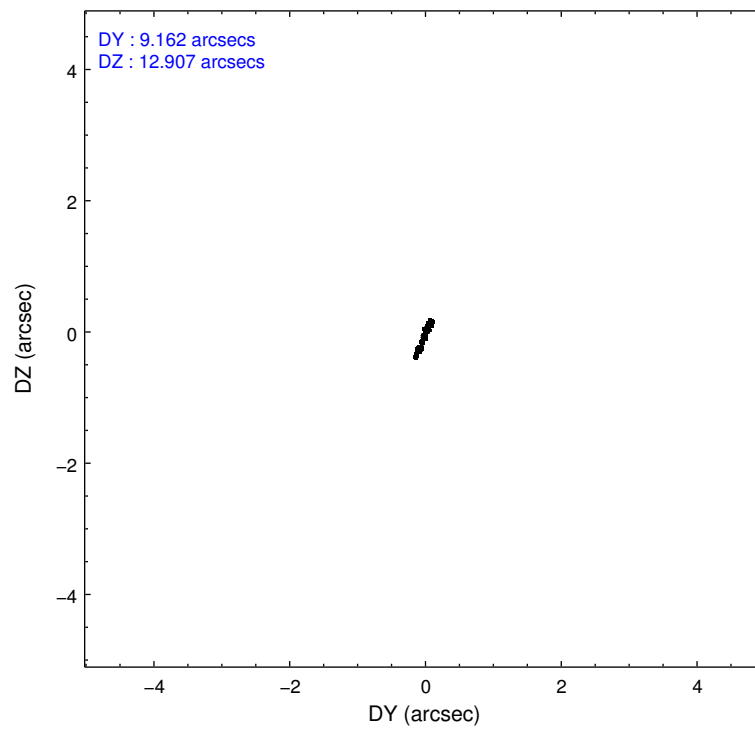
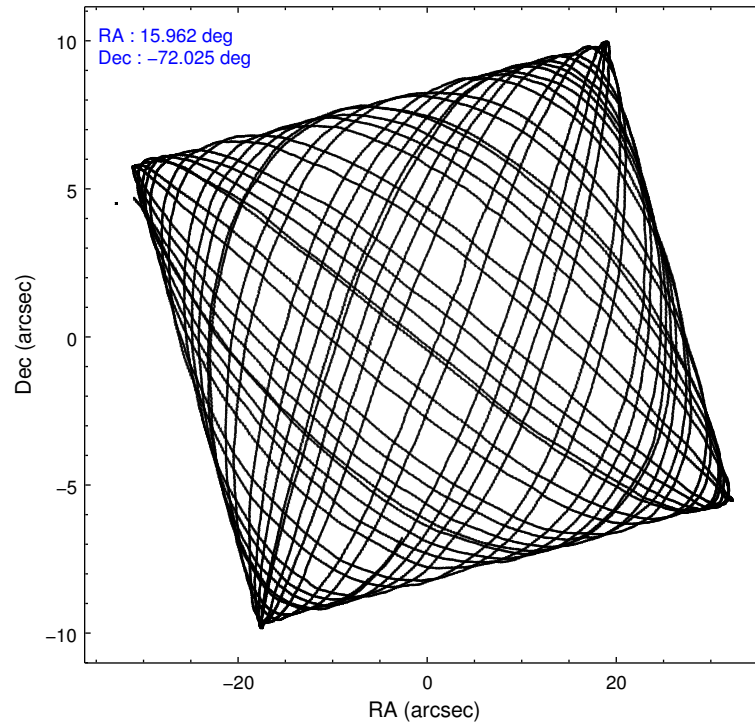
2.1.4 Events

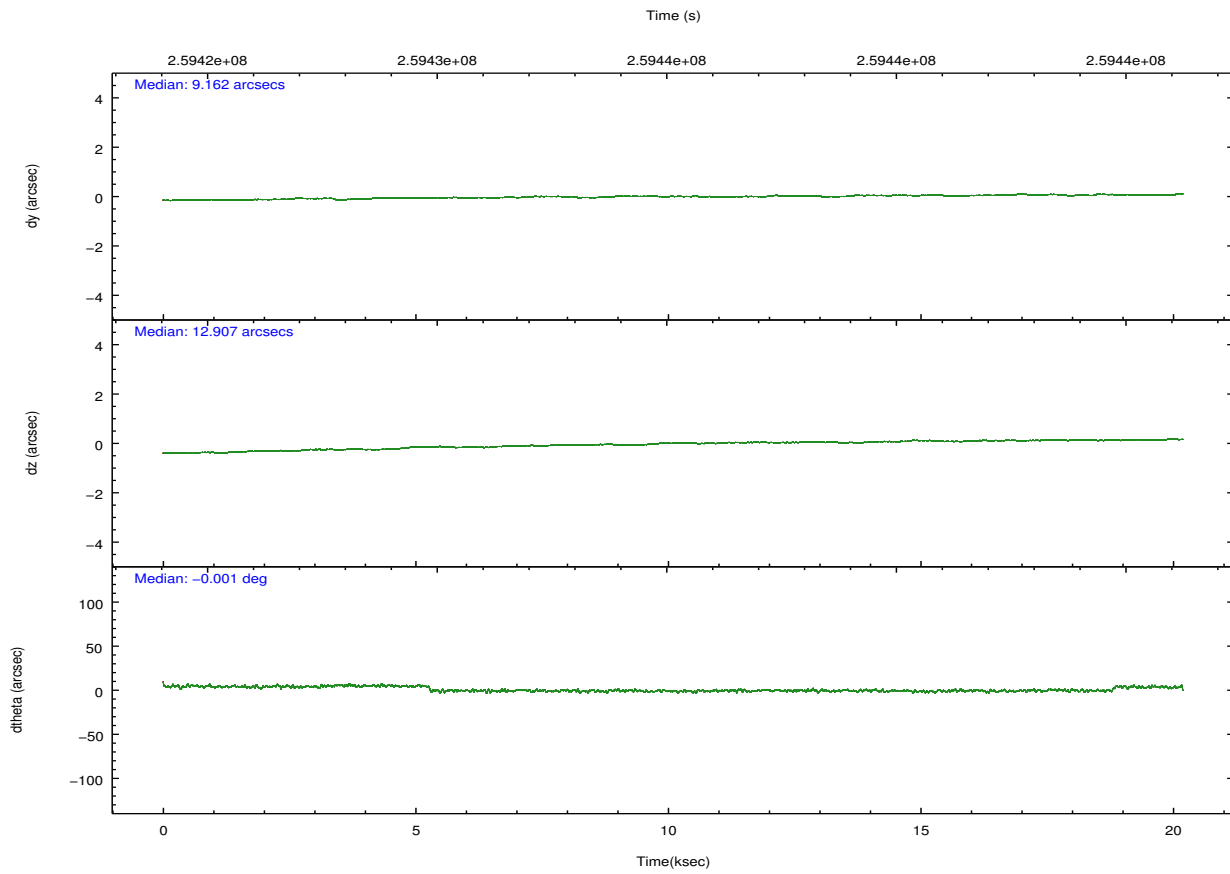
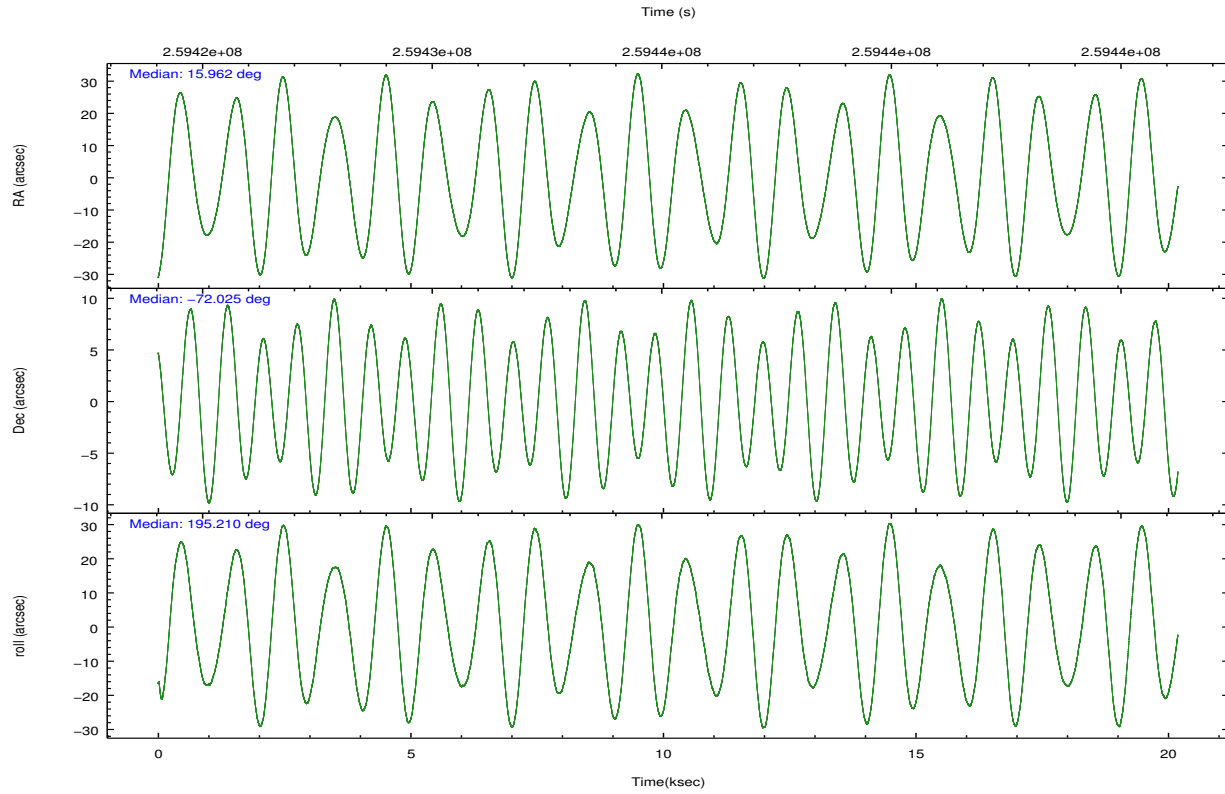
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	129009	127421	145991	197911	138726	126467	grade 0 events	5001	4887	7786	60902	5525	6356
rejected events	115845	113511	129183	122398	124409	63573		3%	3%	5%	30%	3%	5%
rejected %	89%	89%	88%	61%	89%	50%	grade 1 events	61	55	186	798	64	132
								0%	0%	0%	0%	0%	0%
							grade 2 events	3072	2998	3449	7047	2944	13384
								2%	2%	2%	3%	2%	10%
							grade 3 events	1471	1629	1577	2456	1510	6075
								1%	1%	1%	1%	1%	4%
							grade 4 events	1327	1578	1614	2445	1489	6132
								1%	1%	1%	1%	1%	4%
							grade 5 events	3838	4260	3614	4715	4594	13681
								2%	3%	2%	2%	3%	10%
							grade 6 events	2294	2820	2387	2678	2849	30956
								1%	2%	1%	1%	2%	24%
							grade 7 events	111945	109194	125378	116870	119751	49751
								86%	85%	85%	59%	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	16.024213	15.96193172290214	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.005995	-72.02553944758745	Alternating exposures requested	N	N
[deg] Pointing Roll	195.069216	195.2186649793297	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	247190464.184000	247190464.184000			
[s] Window stop time (MET)	260150465.184000	260150465.184000			
[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)	259425226.184000	259424850.43925			
Observation start date	2006-03-22T14:32:41	2006-03-22T14:27:30			
[s] Observation end time (MET)	259445226.184000	259446757.76527			
Observation end date	2006-03-22T20:06:01	2006-03-22T20:32:37			
Read mode	TIMED	TIMED			

2.3 Aspect



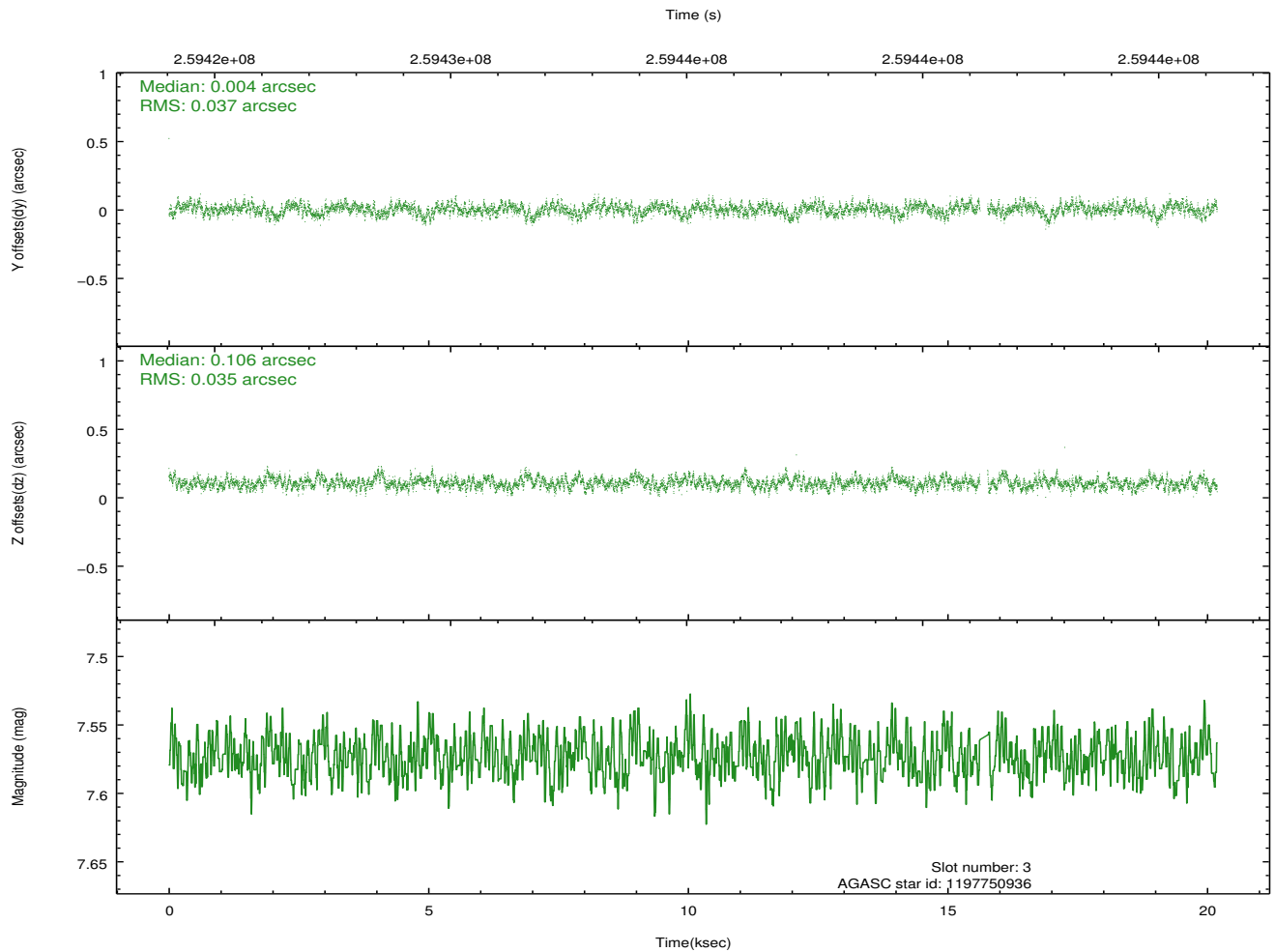
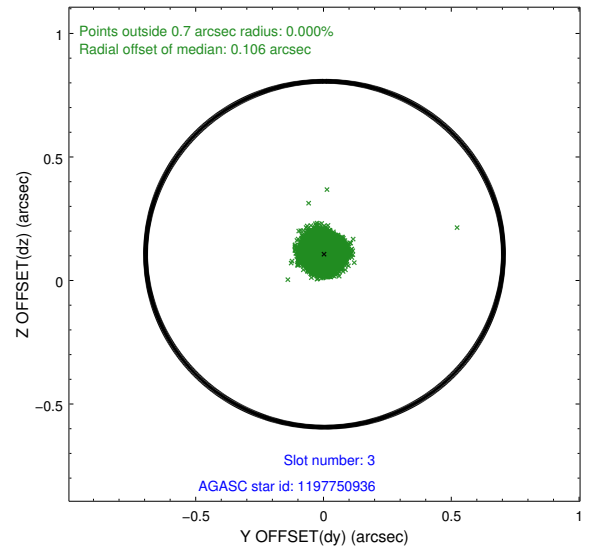
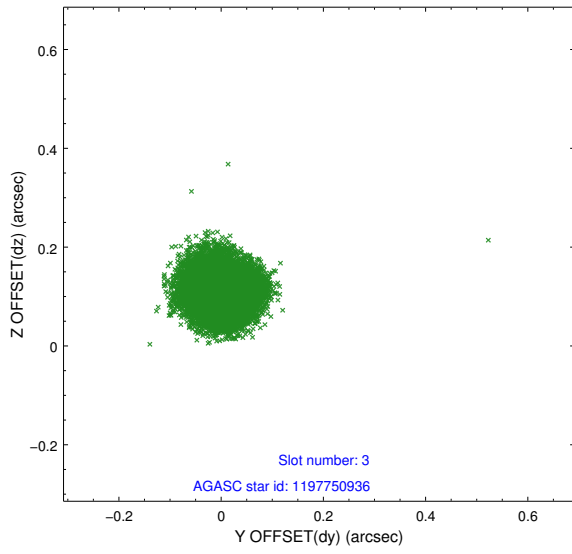


Slot Statistics

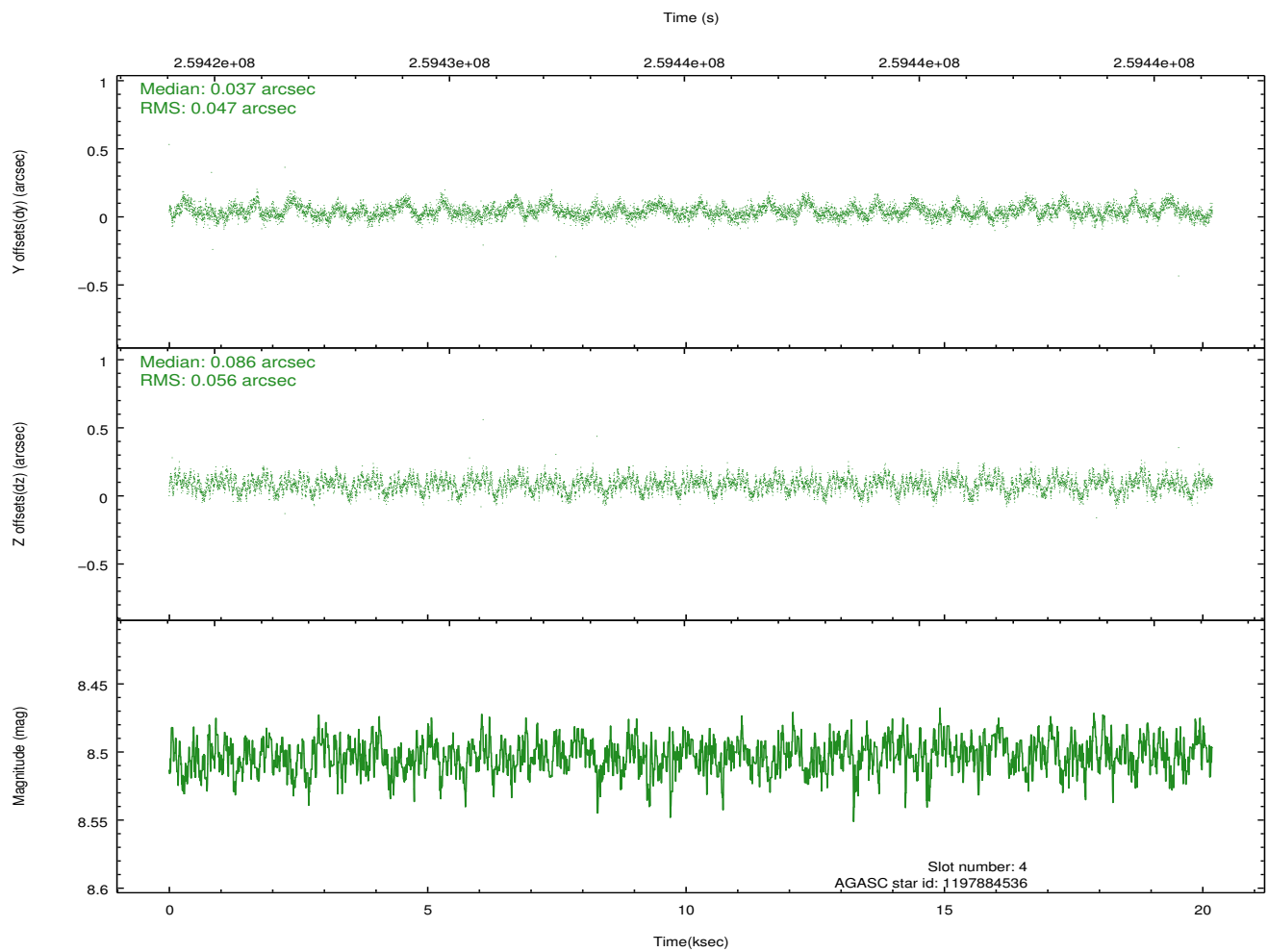
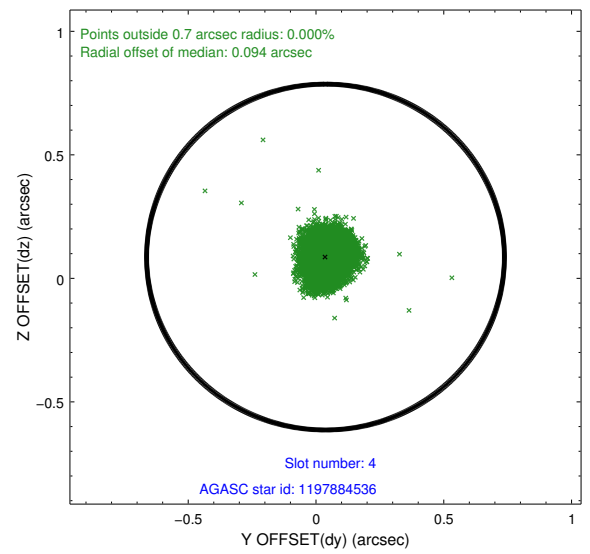
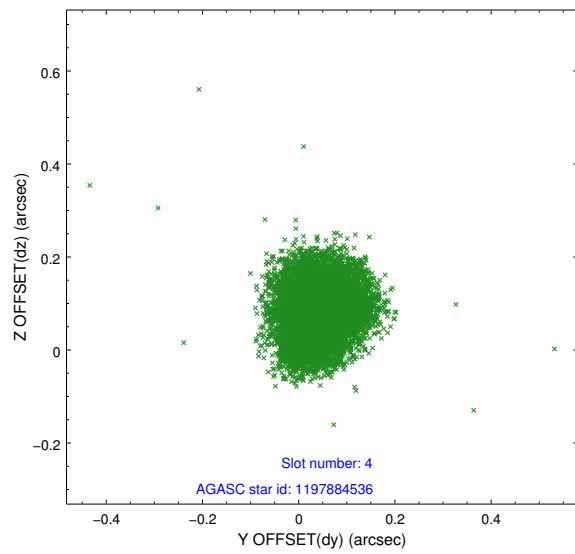
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4925	-0.033	0.013	0.020	0.040	0.000000	0.000000	930.42	-836.39
1	FID	ACIS-I-2	7.14	4924	-0.180	-0.073	0.010	0.020	0.000000	0.000000	-763.71	-842.99
2	FID	ACIS-I-4	7.17	4922	0.114	0.126	0.015	0.031	0.000000	0.000000	2150.41	1063.40
3	GUIDE	1197750936	7.57	9775	0.004	0.106	0.054	0.086	15.387940	-71.549550	274.36	-1770.90
4	GUIDE	1197884536	8.50	9848	0.037	0.086	0.078	0.121	17.160729	-71.835289	-1387.80	-250.37
5	GUIDE	1197884712	8.30	9848	-0.020	-0.059	0.065	0.104	16.087398	-72.252690	163.94	875.76
6	GUIDE	1197885328	7.24	9850	0.110	0.066	0.052	0.079	16.283090	-71.733943	-536.65	-869.06
7	GUIDE	1198189696	7.35	9848	-0.132	-0.198	0.059	0.097	15.223750	-72.697522	1476.04	2186.81

2.4 Star Slots

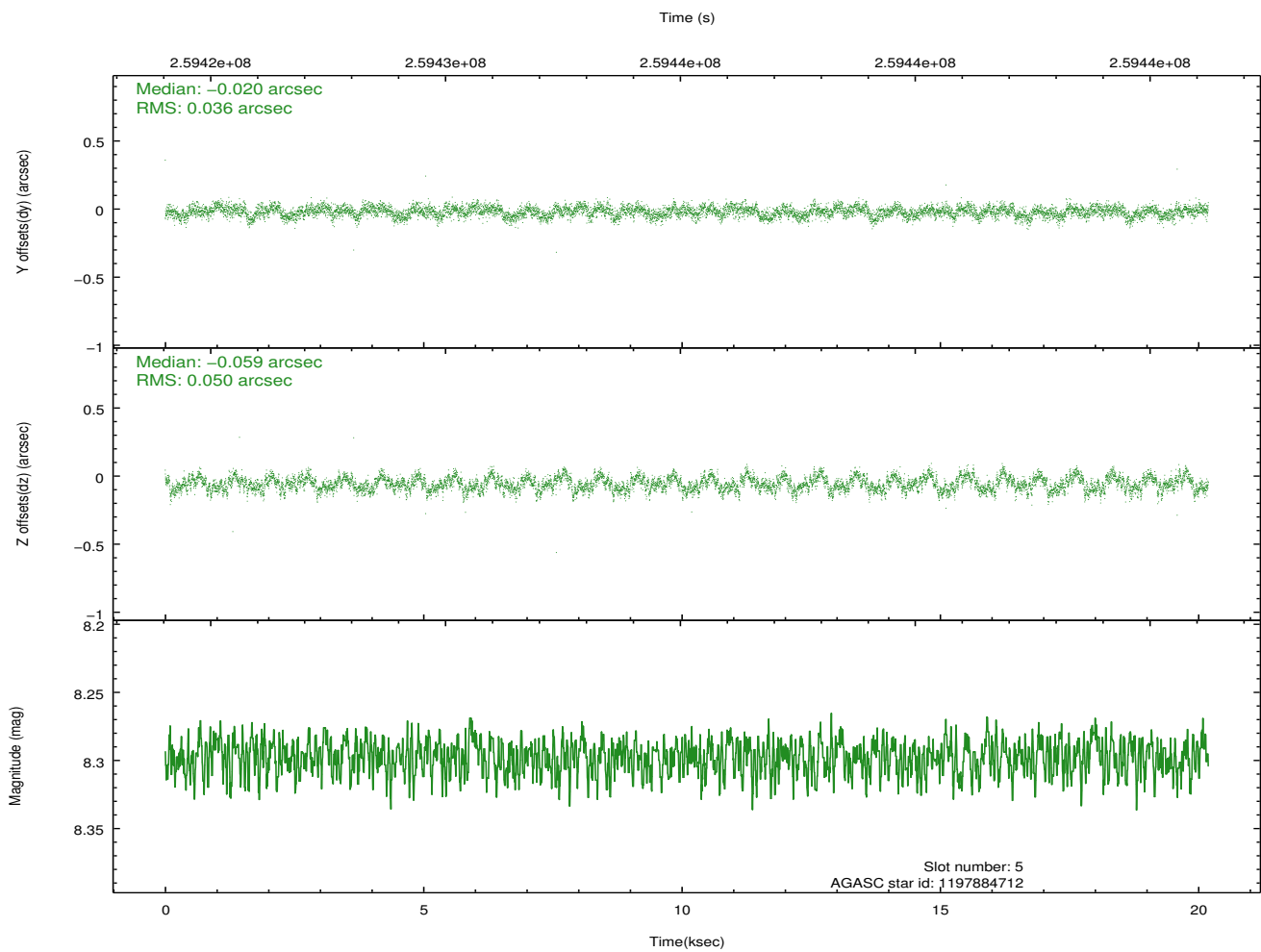
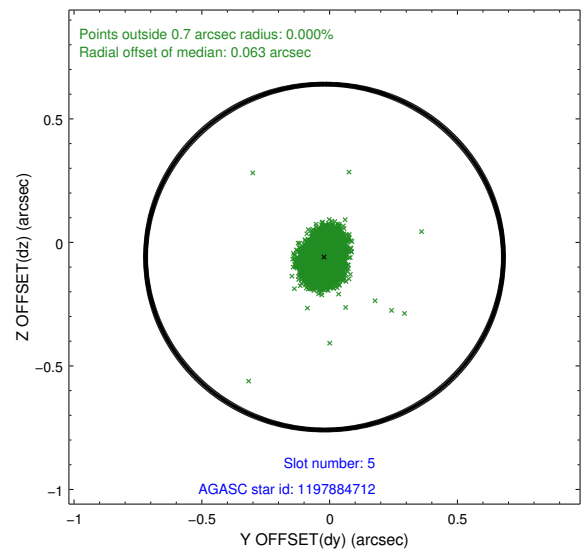
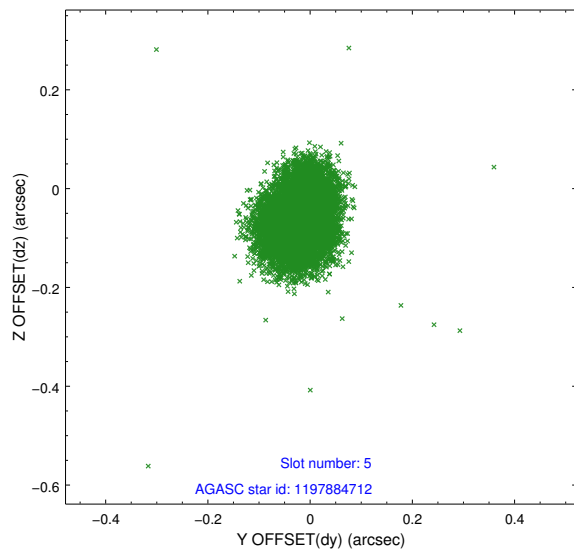
2.4.1 Slot 3



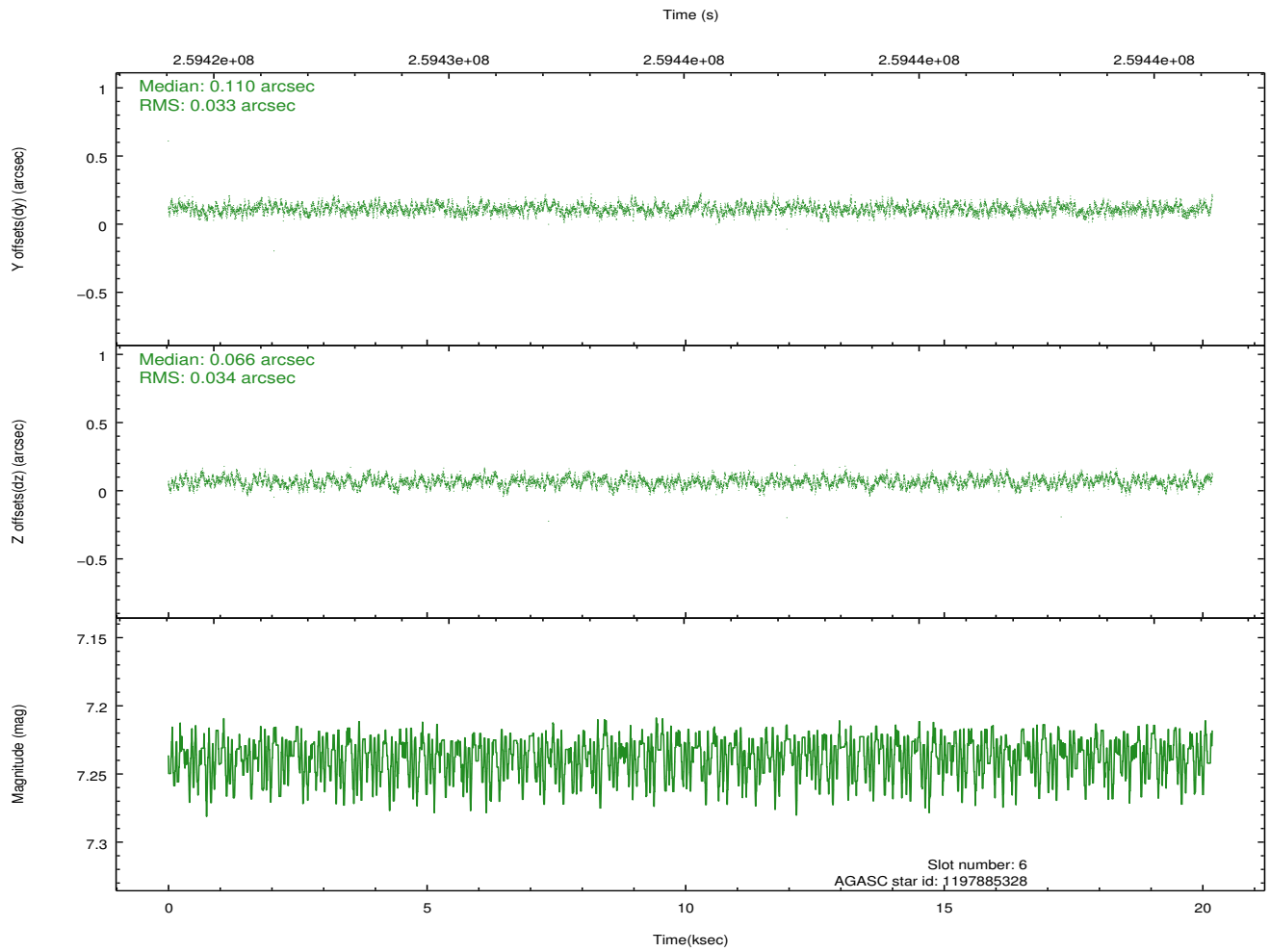
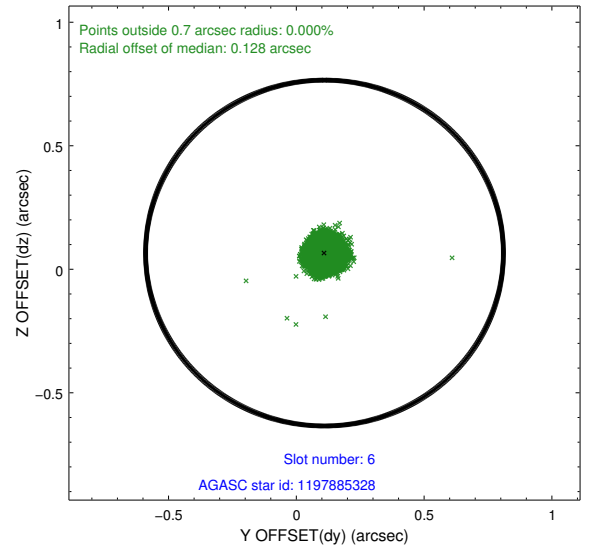
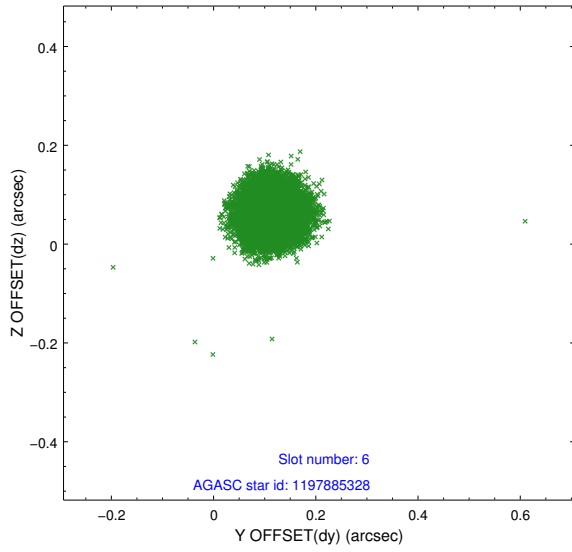
2.4.2 Slot 4



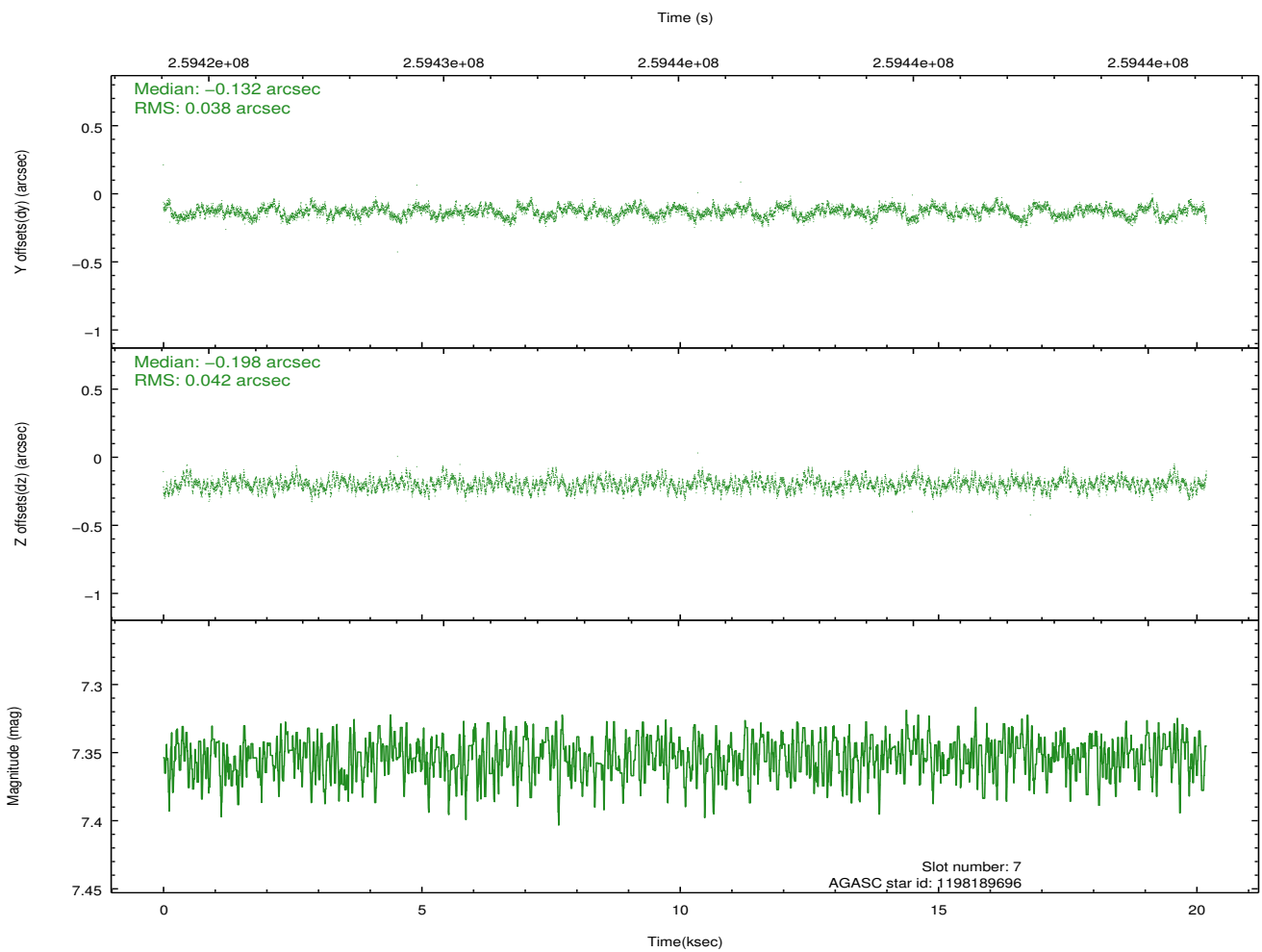
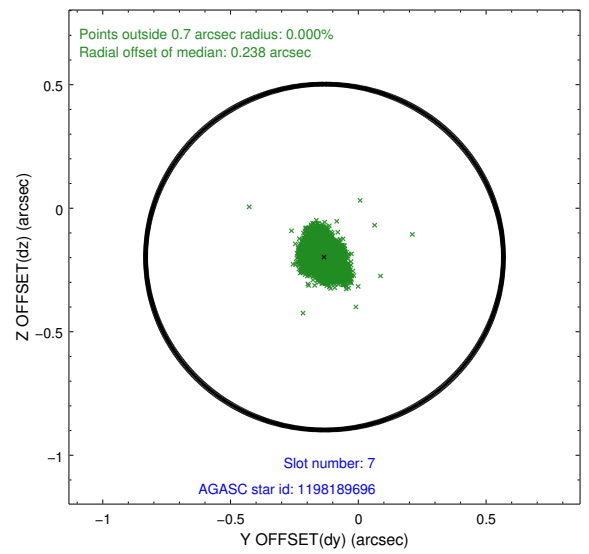
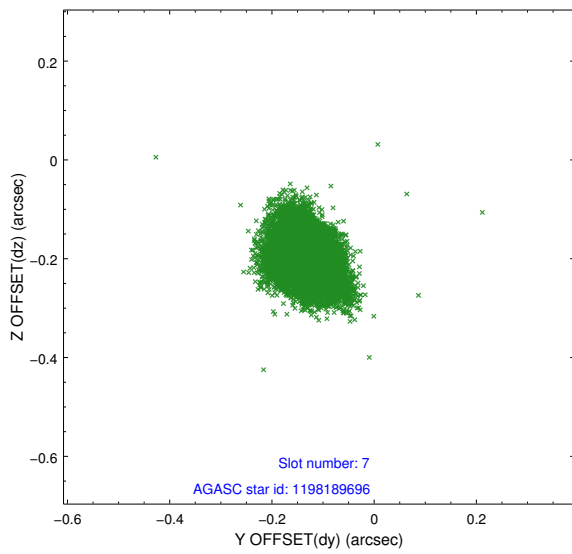
2.4.3 Slot 5



2.4.4 Slot 6

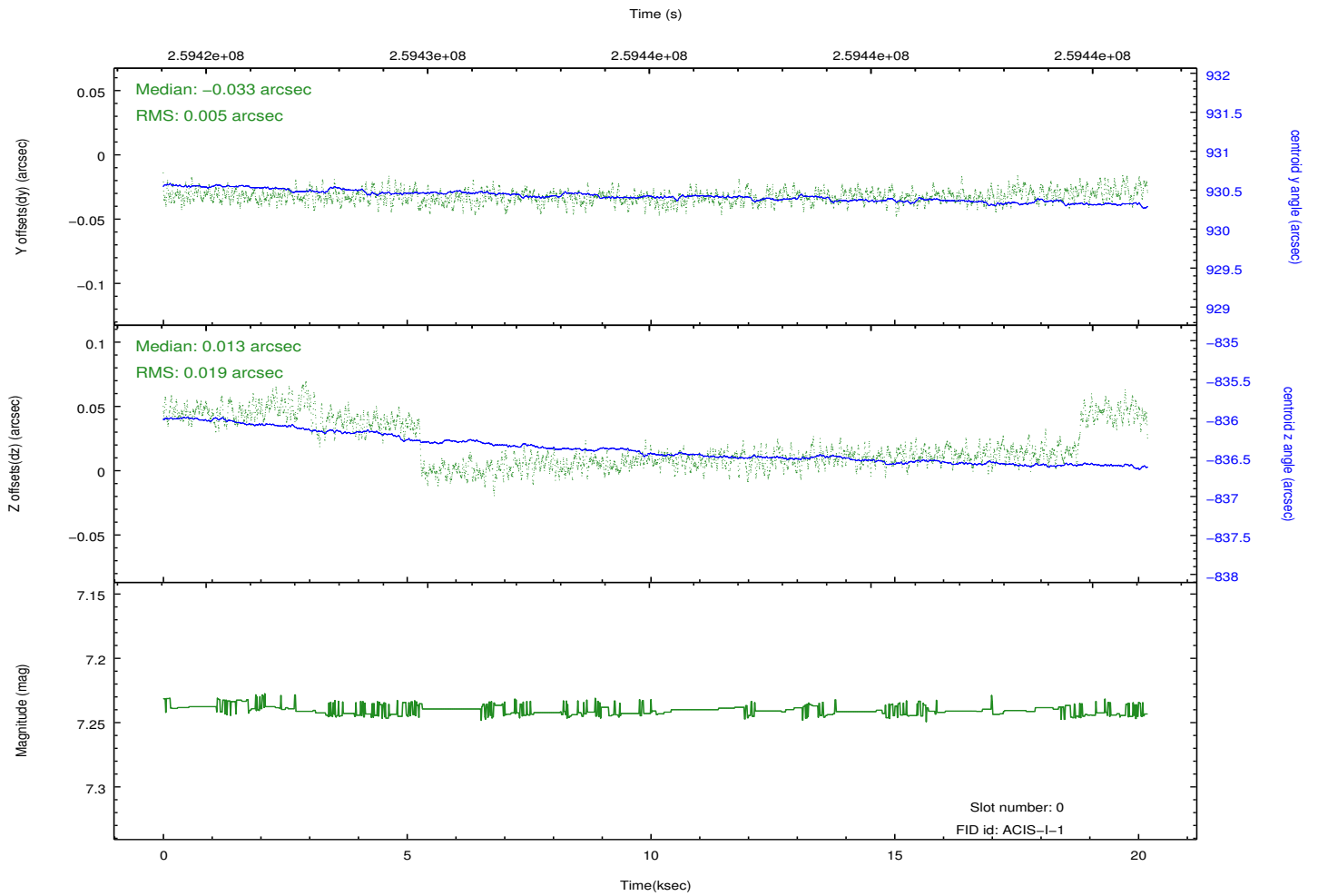
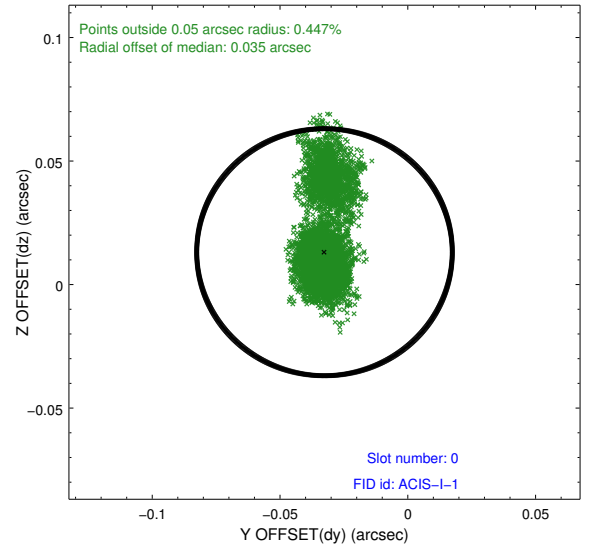
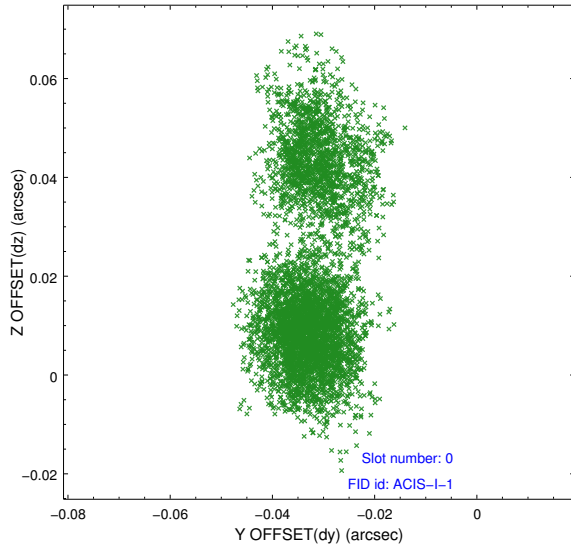


2.4.5 Slot 7

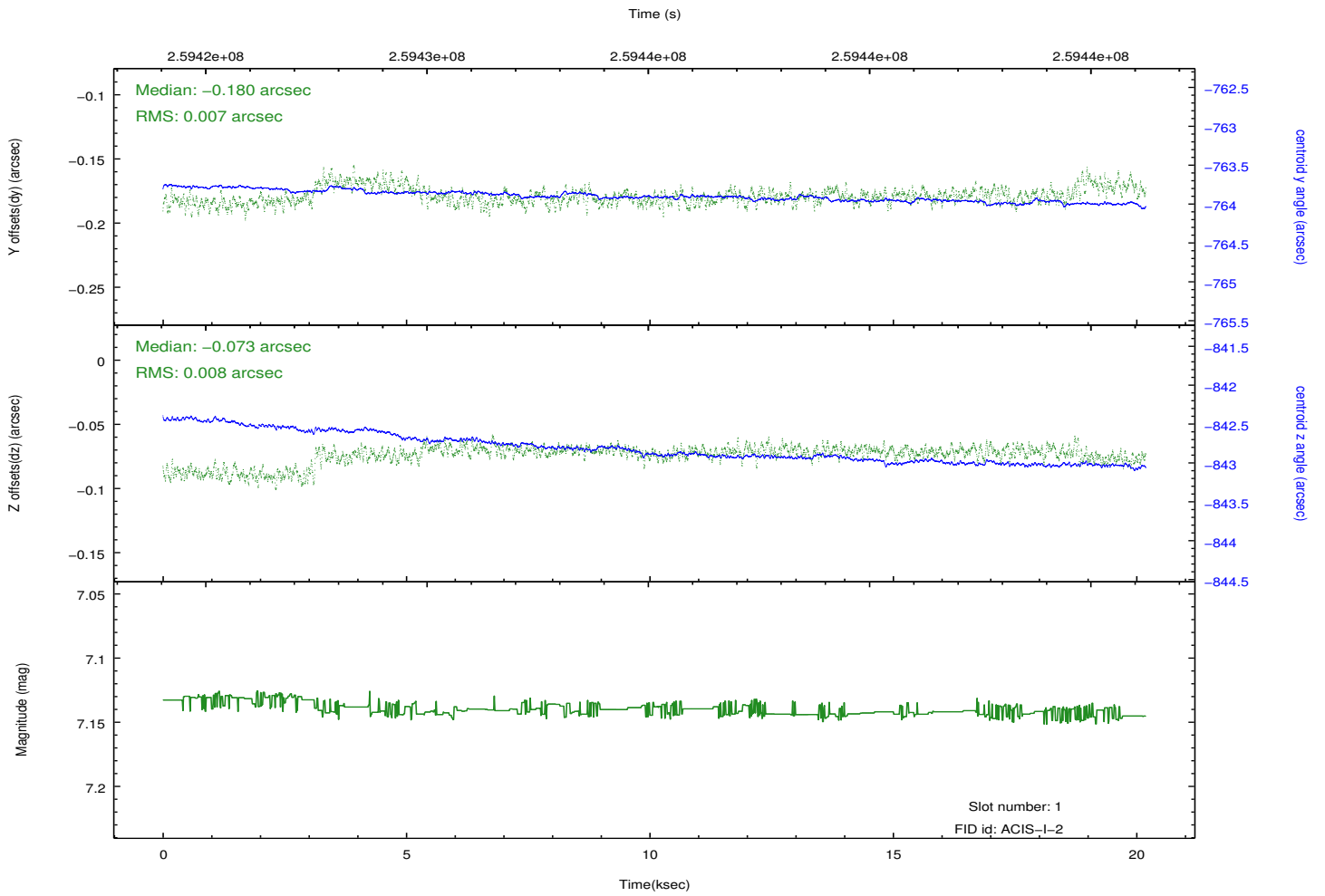
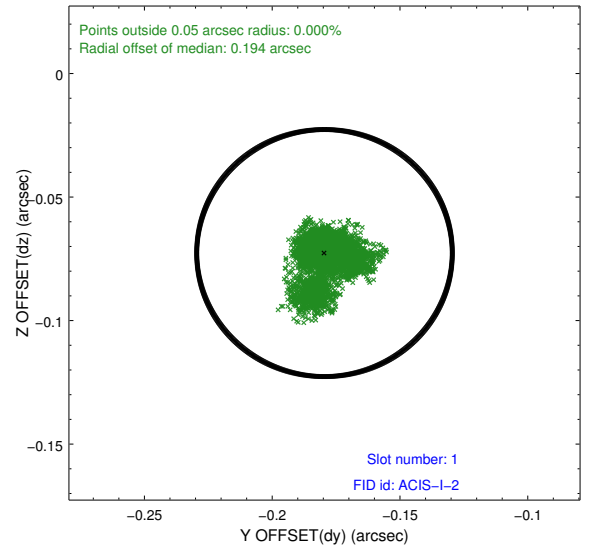
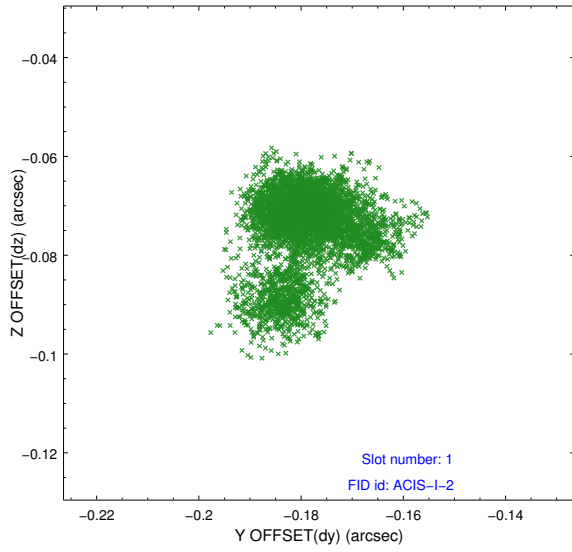


2.5 FID Slots

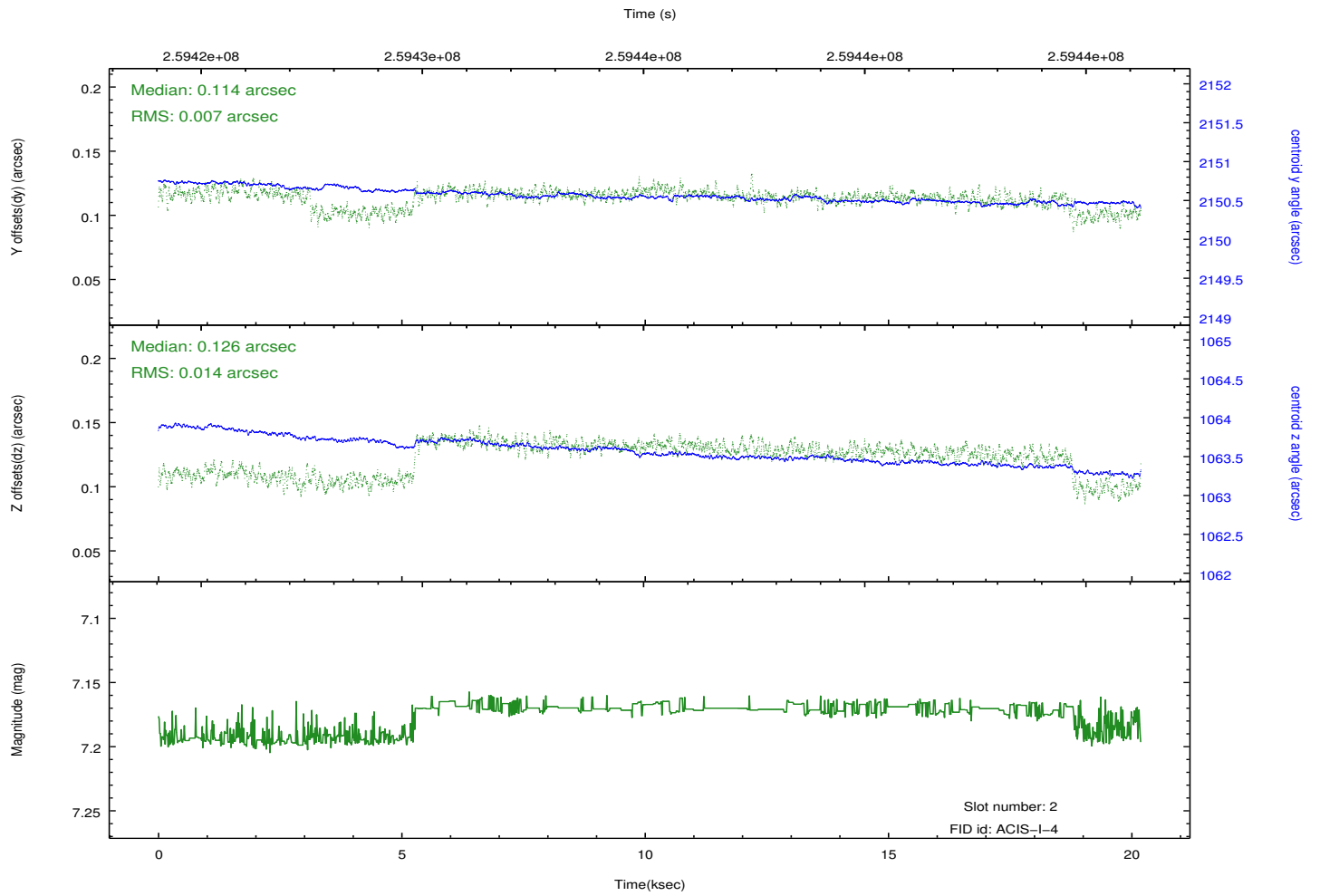
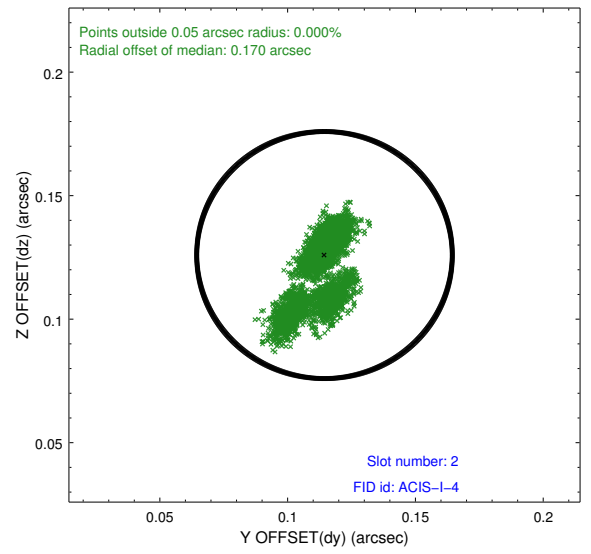
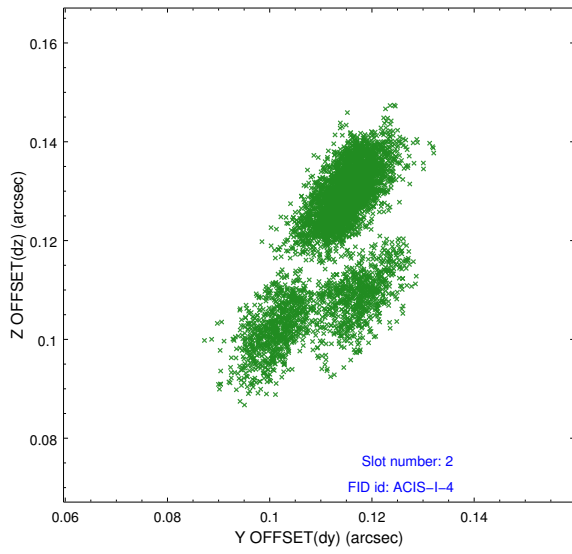
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.7567999

A.2 Comments