

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1315 - L2 Version 3
Chandra X-Ray Center

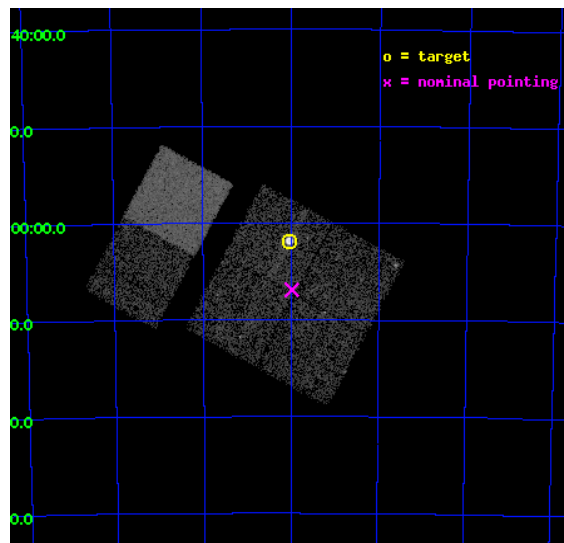
L2 Processing Date : Oct 1 2012

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1 Front

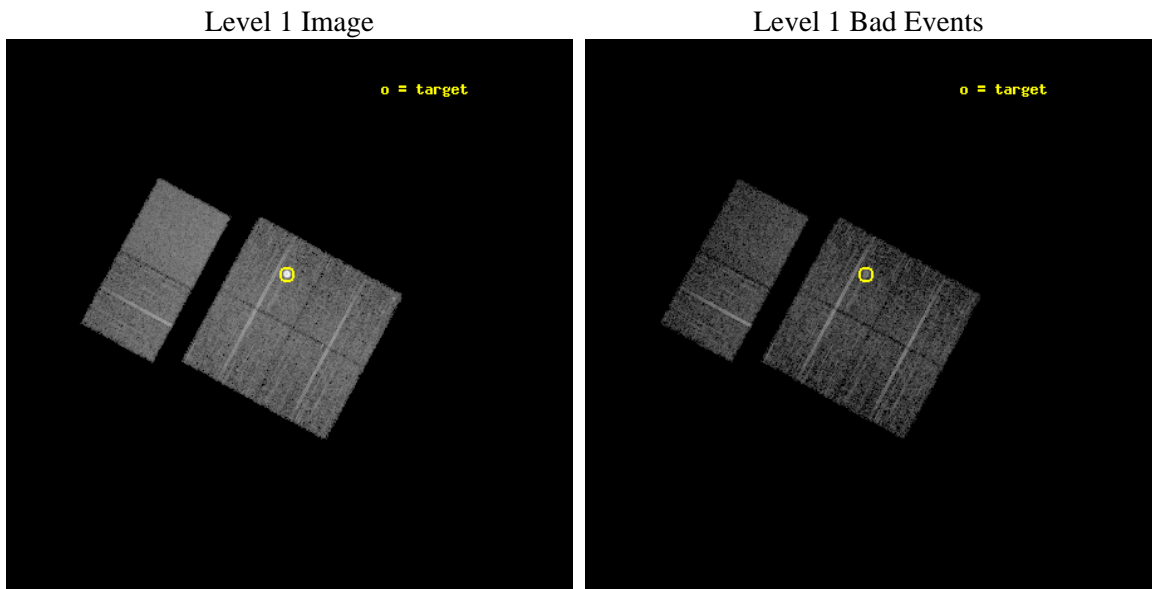
seq_num	590129	Sequence number
obs_id	1315	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=120, Offsets=-4,2,0]	Source name
dtcycle	0	
cycle	P	events from which 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	15.99479010318	Nominal RA [deg]
dec_nom	-72.115288278603	Nominal Dec [deg]
roll_nom	298.50636620034	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6956.8000064641	Sum of GTIs [s]
livetime	6868.7088159002	Livetime [s]
ontime0	6956.8000064641	Sum of GTIs [s]
ontime1	6956.8000064641	Sum of GTIs [s]
ontime2	6956.8000064641	Sum of GTIs [s]
ontime3	6956.8000064641	Sum of GTIs [s]
ontime6	6956.8000064641	Sum of GTIs [s]
ontime7	6956.8000064641	Sum of GTIs [s]
l2events	66582	Number of level 2 events



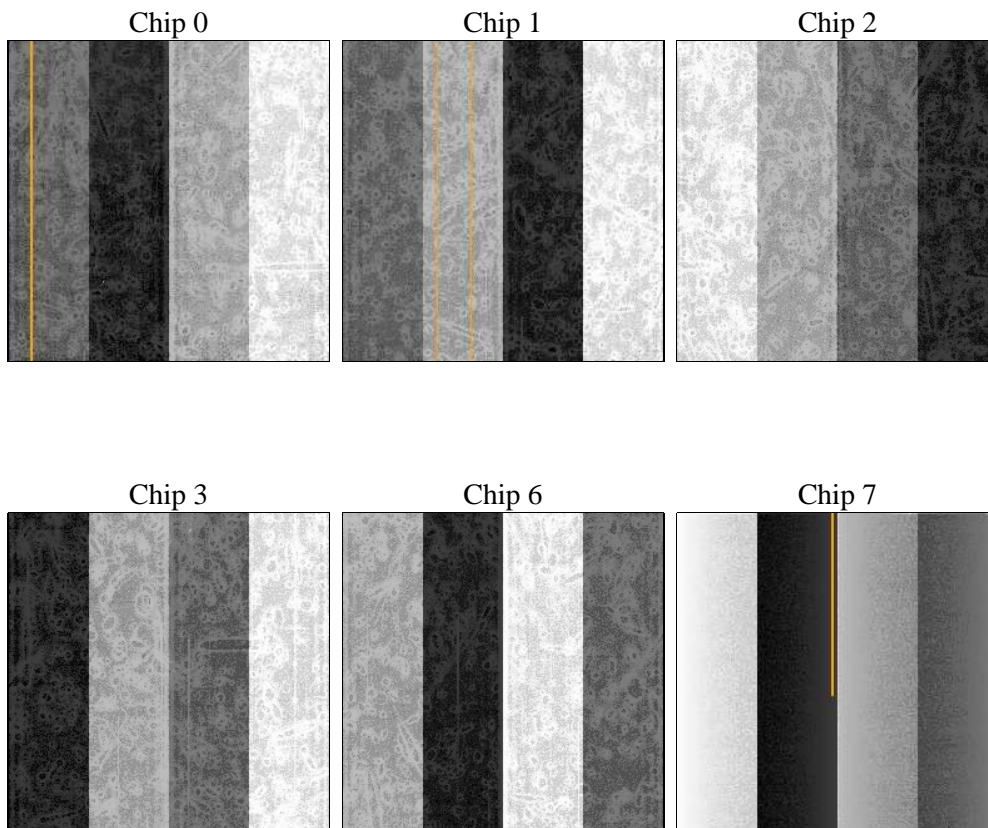
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6956.8000064641	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	6956.8000064641	Sum of GTIs [s]
date	2012-10-01T21:57:09	Date and time of file creation	ontime1	6956.8000064641	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6956.8000064641	Sum of GTIs [s]
			ontime3	6956.8000064641	Sum of GTIs [s]
			ontime6	6956.8000064641	Sum of GTIs [s]
			ontime7	6956.8000064641	Sum of GTIs [s]
			l1events	279434	Number of level 1 events

2.1.4 Events

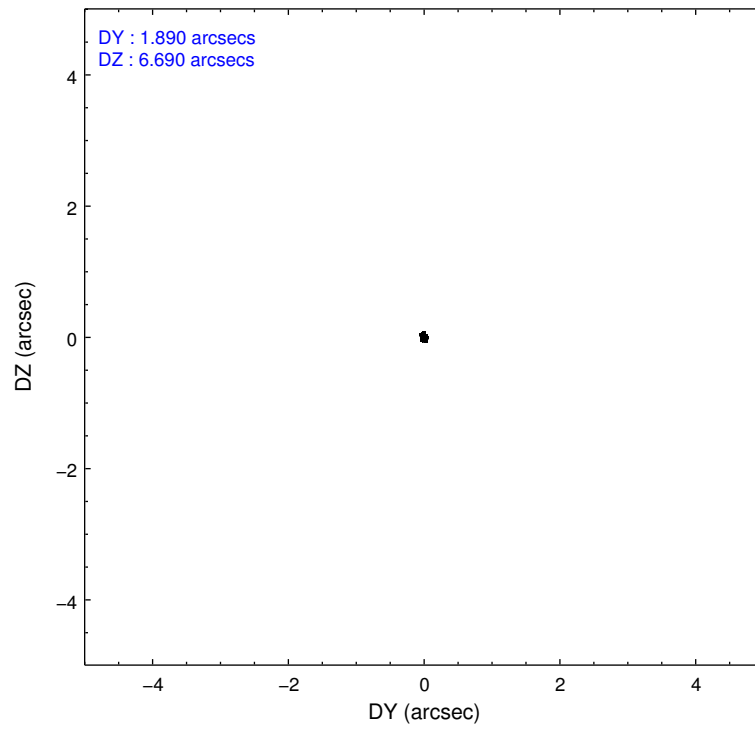
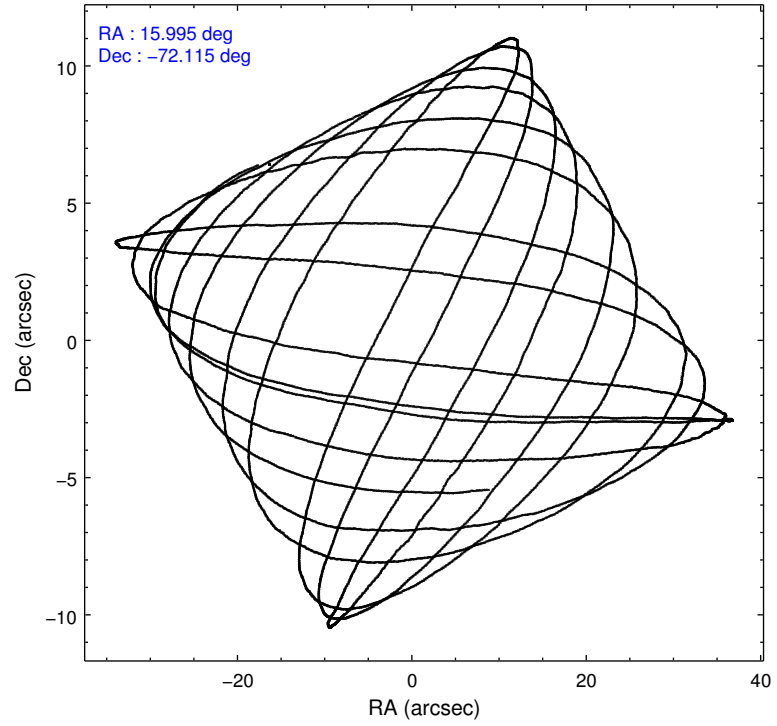
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37874	37387	42677	66505	41840	53151
rejected events	32696	32072	37289	36735	37061	31476
rejected %	86%	85%	87%	55%	88%	59%

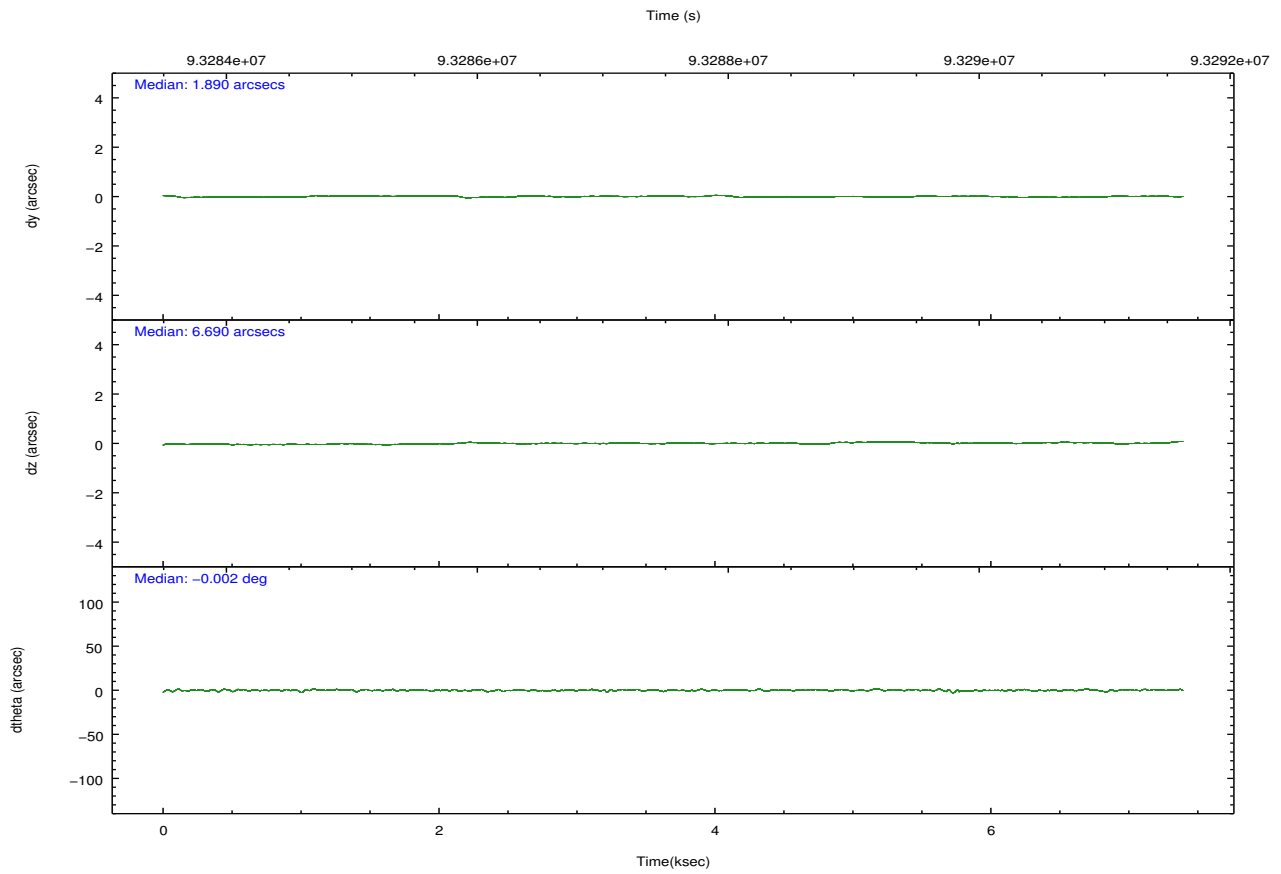
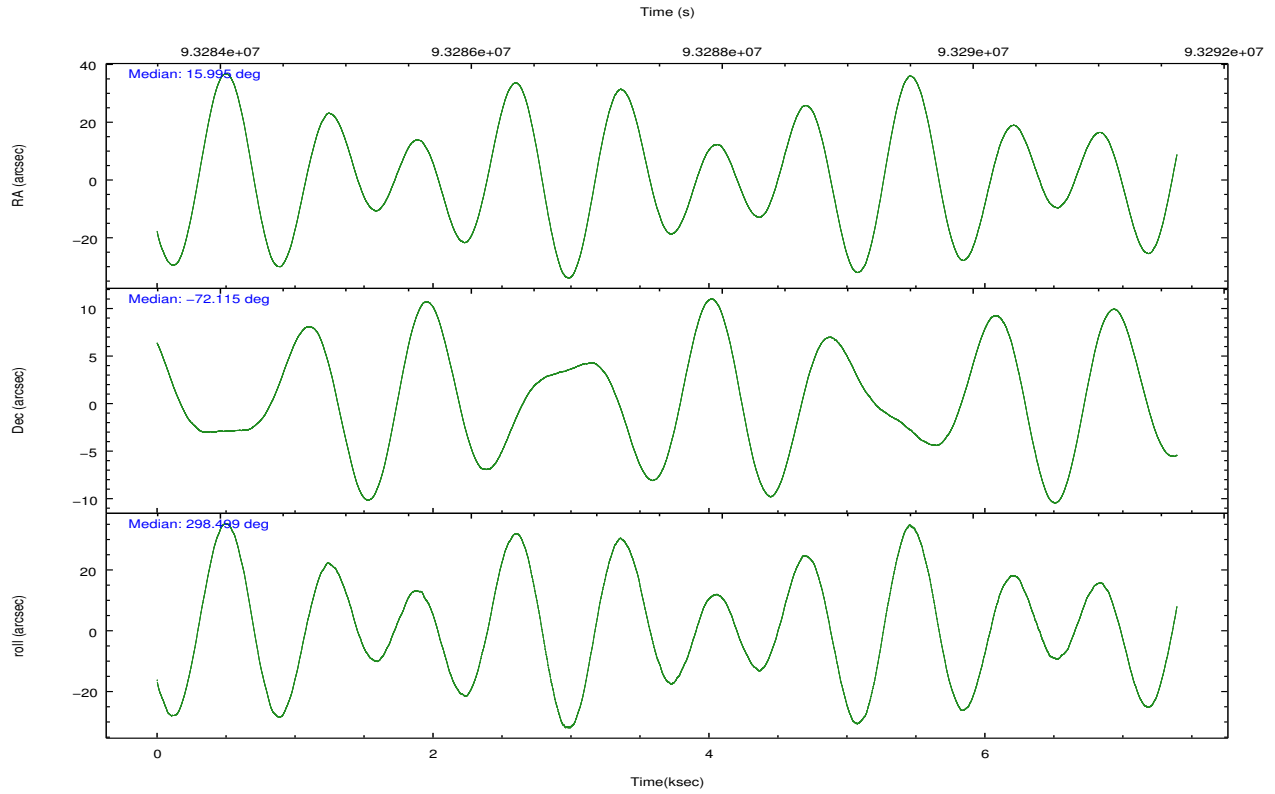
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2421	2348	2624	24397	1941	2111
	6%	6%	6%	36%	4%	3%
grade 1 events	19	21	17	230	20	55
	0%	0%	0%	0%	0%	0%
grade 2 events	1041	1031	1031	2723	920	4213
	2%	2%	2%	4%	2%	7%
grade 3 events	473	504	473	854	475	1993
	1%	1%	1%	1%	1%	3%
grade 4 events	450	553	482	852	489	1939
	1%	1%	1%	1%	1%	3%
grade 5 events	1404	1529	1435	1700	1741	5075
	3%	4%	3%	2%	4%	9%
grade 6 events	798	881	779	954	956	11433
	2%	2%	1%	1%	2%	21%
grade 7 events	31268	30520	35836	34795	35298	26332
	82%	81%	83%	52%	84%	49%

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	15.918832	15.99479010317962	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.100855	-72.11528827860269	Alternating exposures requested	N	N
[deg] Pointing Roll	298.225396	298.5063662003416	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	92016064.184000	92016064.184000			
[s] Window stop time (MET)	94608064.184000	94608064.184000			
[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)	93284057.184000	93283681.897285			
Observation start date	2000-12-15T16:13:13	2000-12-15T16:08:01			
[s] Observation end time (MET)	93291257.184000	93291391.43508001			
Observation end date	2000-12-15T18:13:13	2000-12-15T18:16:31			
Read mode	TIMED	TIMED			

2.3 Aspect





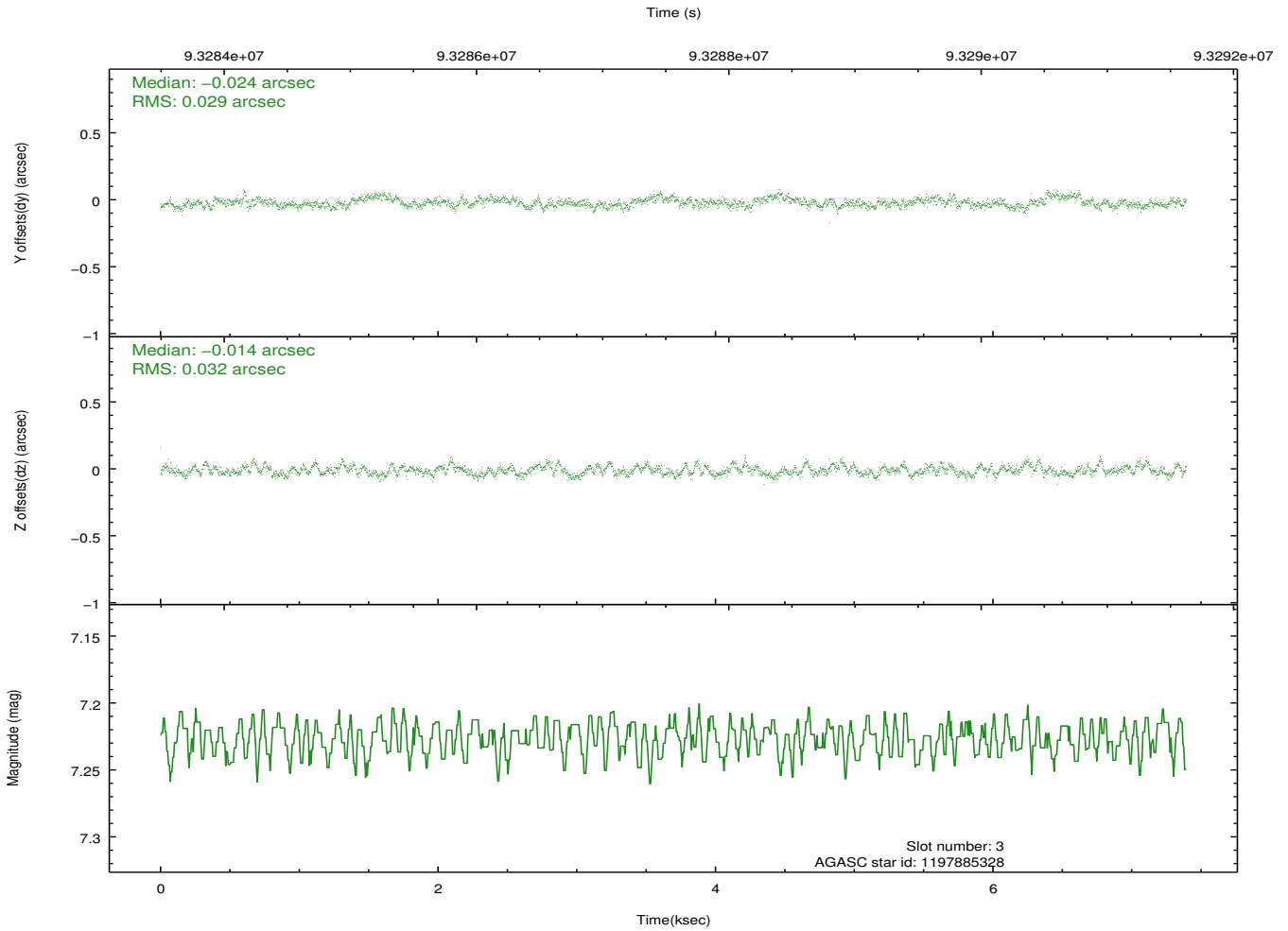
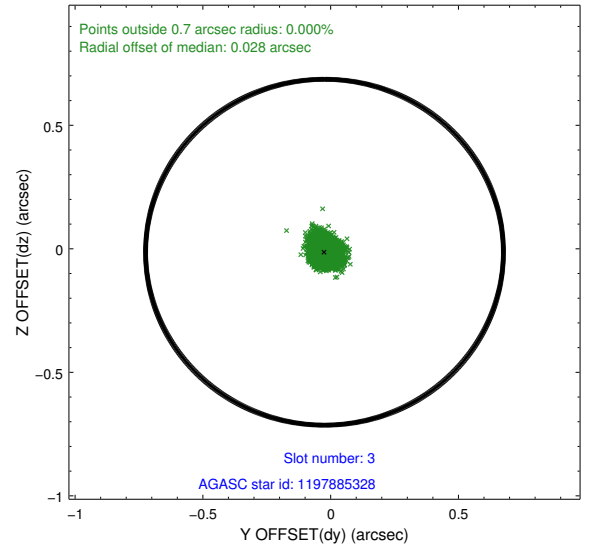
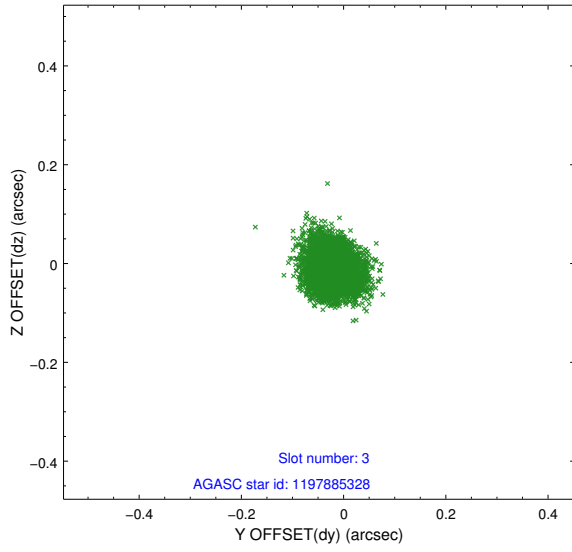
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1802	-0.038	-0.073	0.009	0.015	0.000000	0.000000	-756.27	-836.51
1	FID	ACIS-I-4	7.18	1802	-0.028	0.049	0.006	0.011	0.000000	0.000000	2157.44	1069.41
2	FID	ACIS-I-5	7.23	1803	-0.035	0.092	0.009	0.015	0.000000	0.000000	-1809.11	1068.16
3	GUIDE	1197885328	7.23	3607	-0.024	-0.014	0.046	0.073	16.283090	-71.733943	-968.86	986.05
4	GUIDE	1198189696	7.37	3607	-0.068	-0.035	0.046	0.073	15.223750	-72.697522	1543.97	-1673.41
5	GUIDE	1197750936	7.56	3606	-0.055	-0.063	0.045	0.073	15.387940	-71.549550	-2032.43	403.47
6	GUIDE	1197884536	8.50	3607	0.036	0.040	0.056	0.091	17.160729	-71.835289	-171.68	1673.27
7	GUIDE	1197884712	8.30	3606	0.111	0.073	0.053	0.085	16.087398	-72.252690	569.04	-95.23

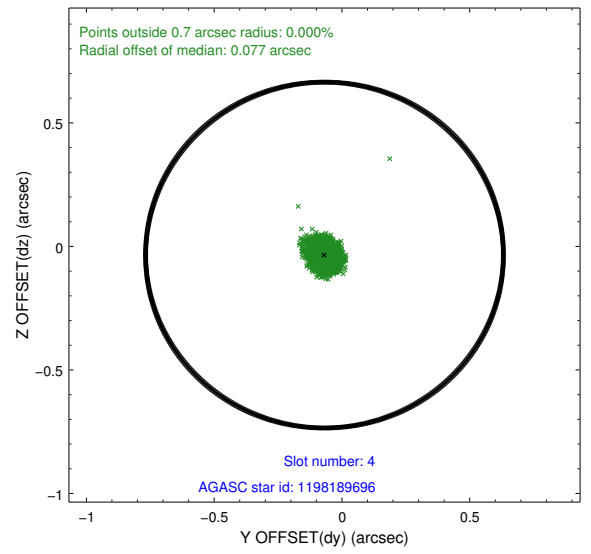
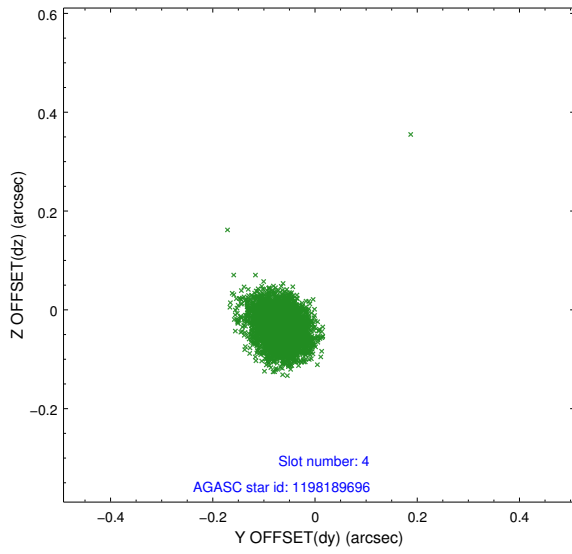
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2.4 Star Slots

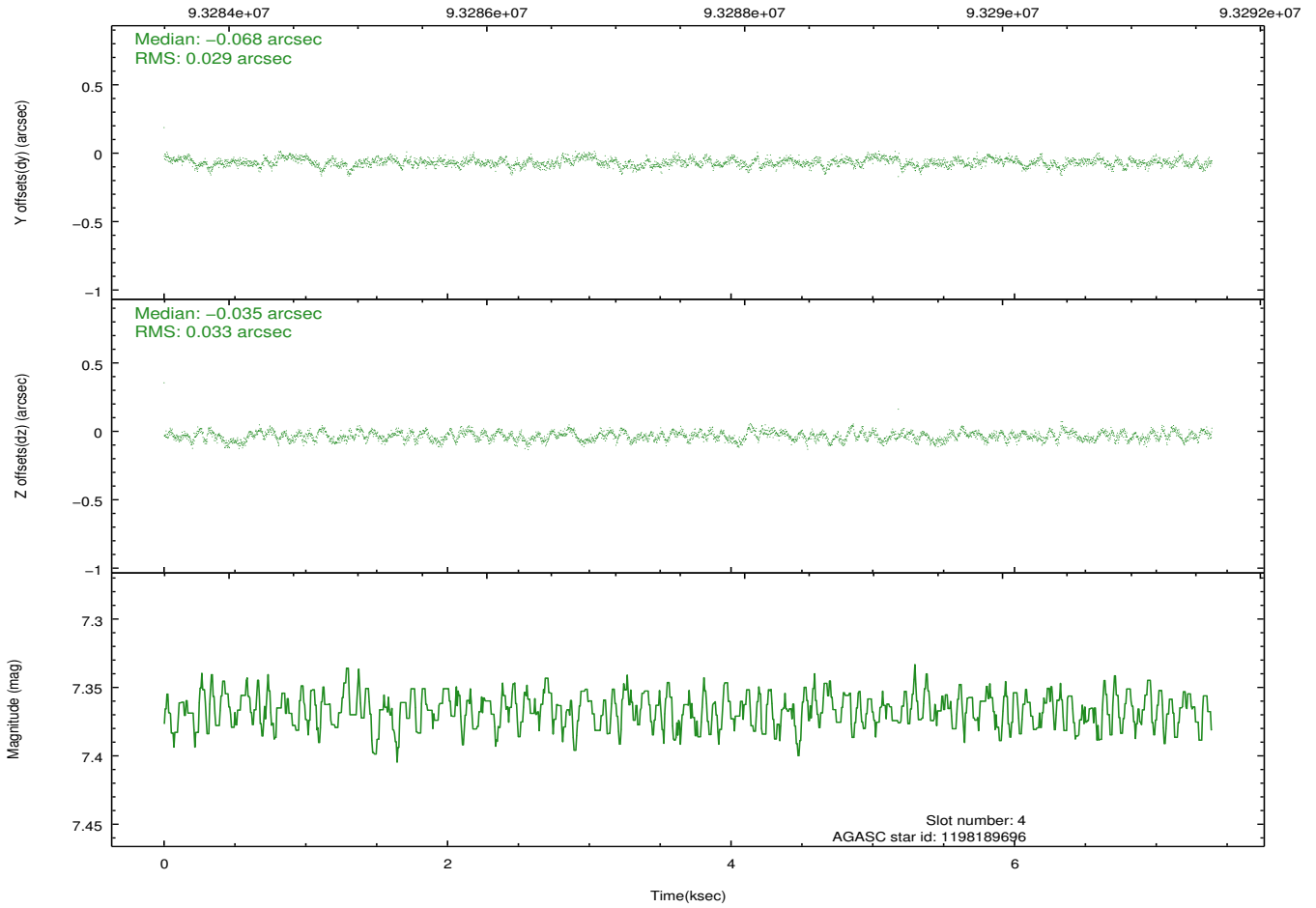
2.4.1 Slot 3



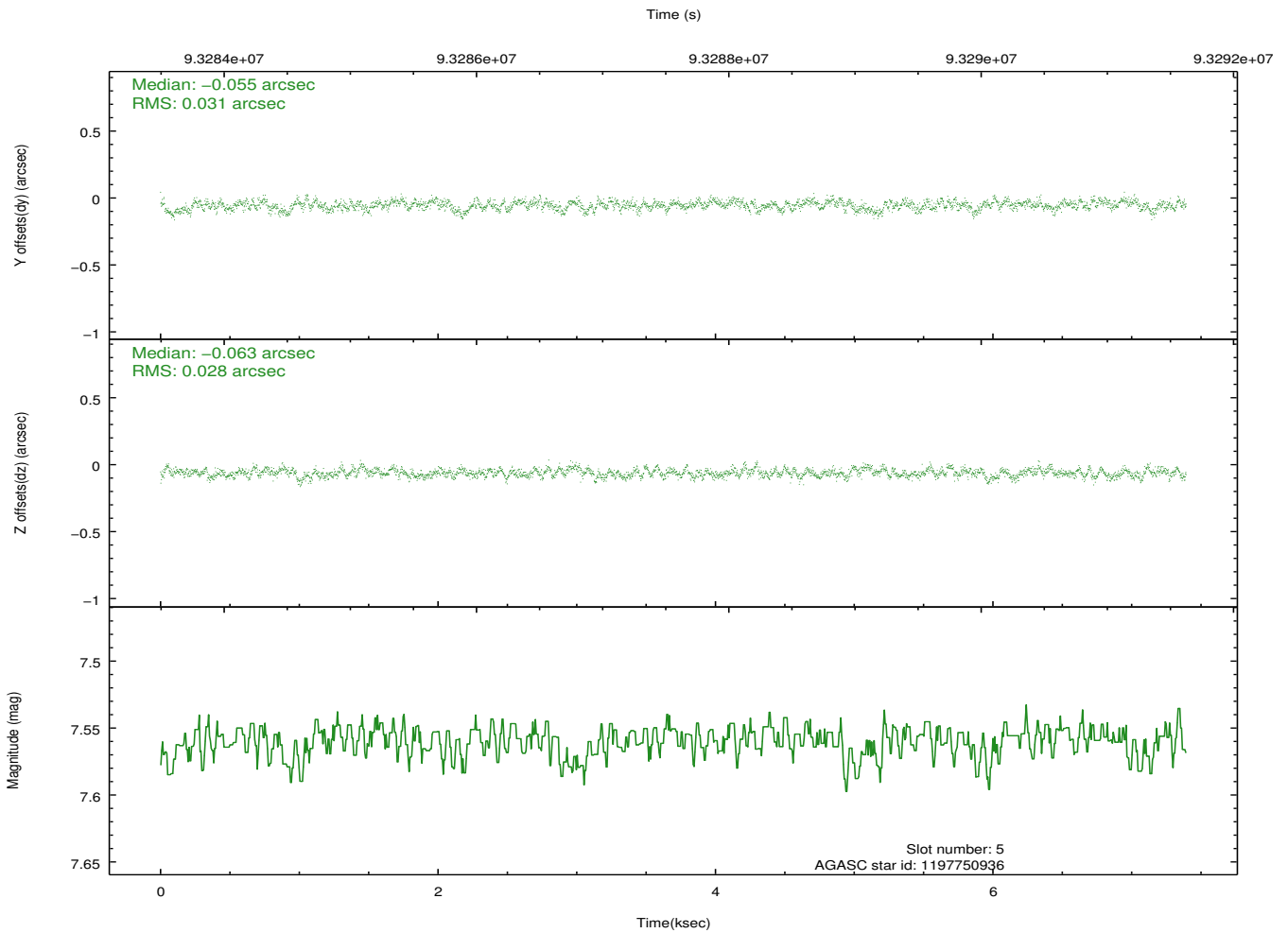
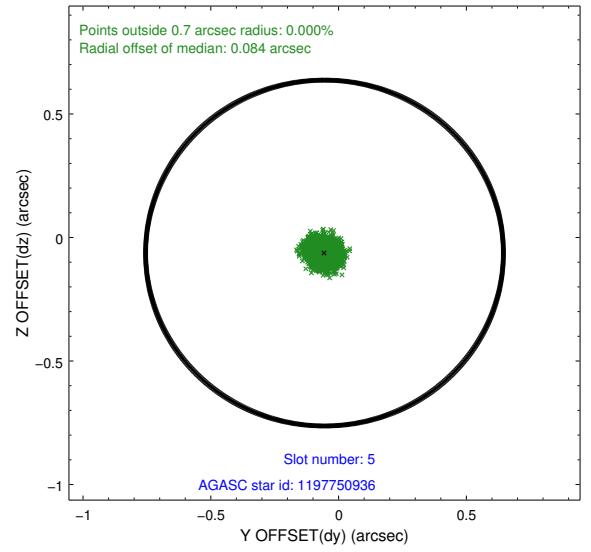
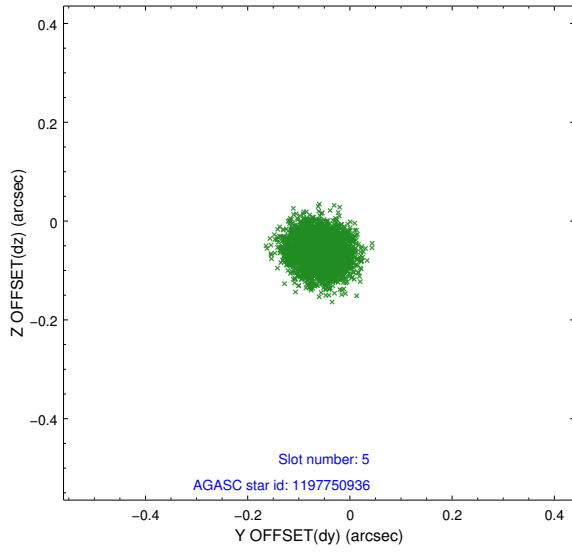
2.4.2 Slot 4



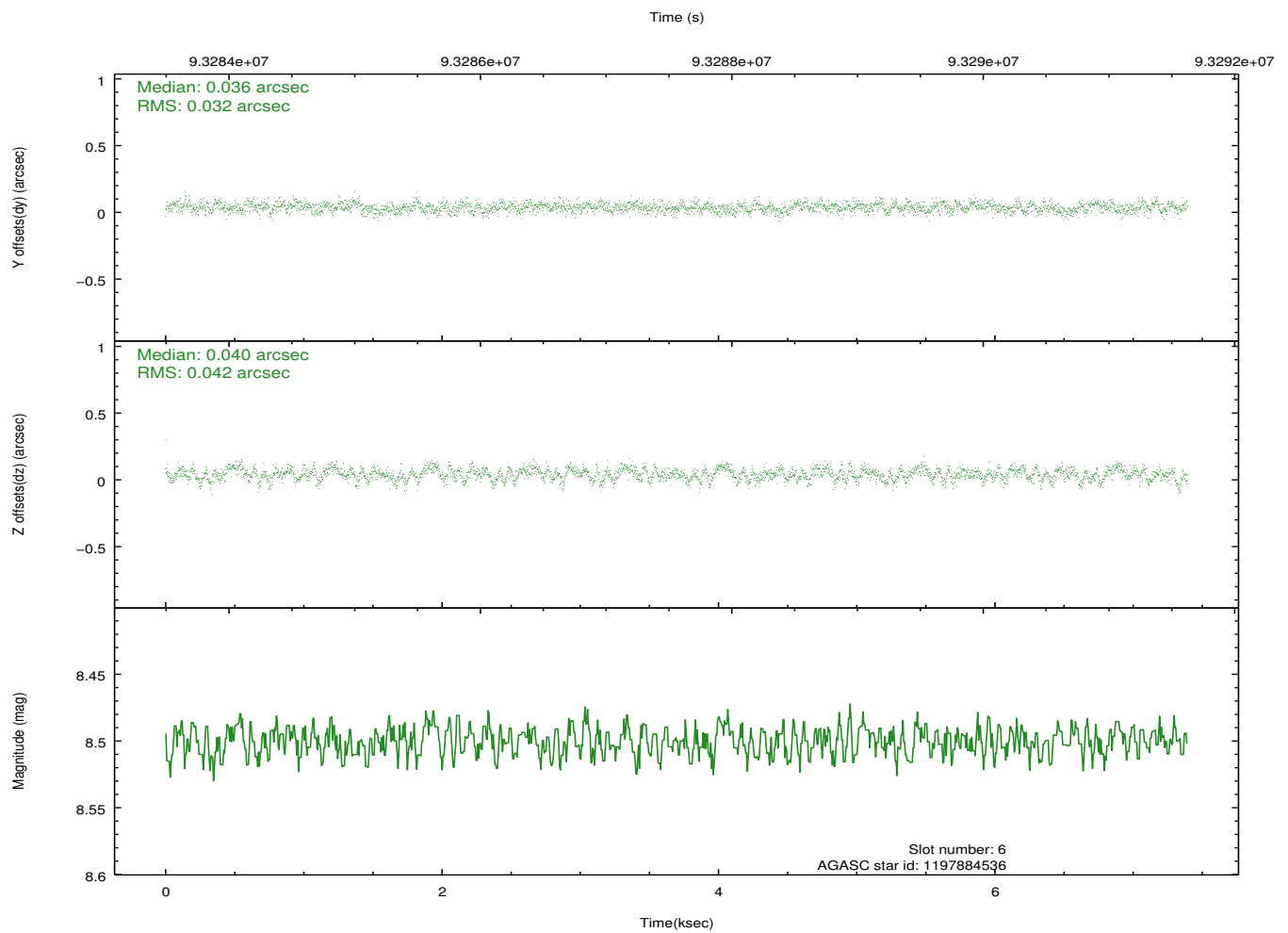
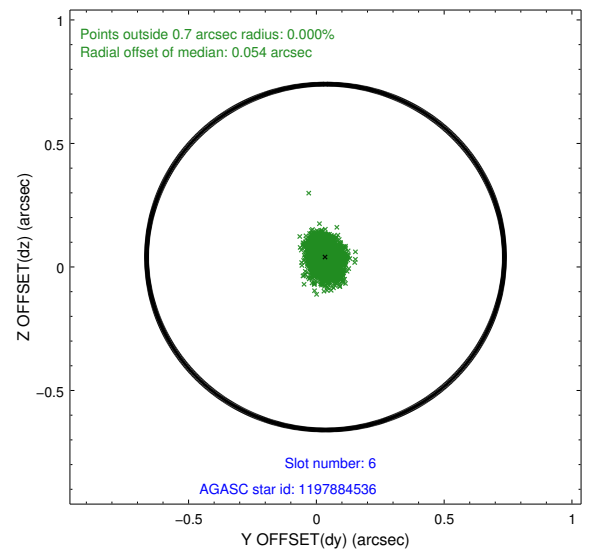
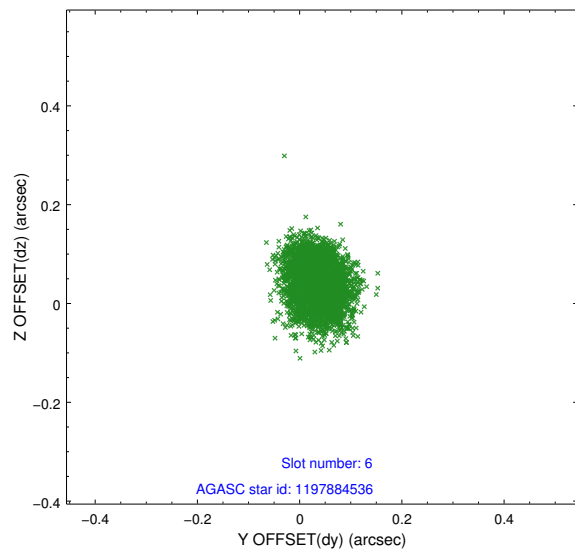
Time (s)



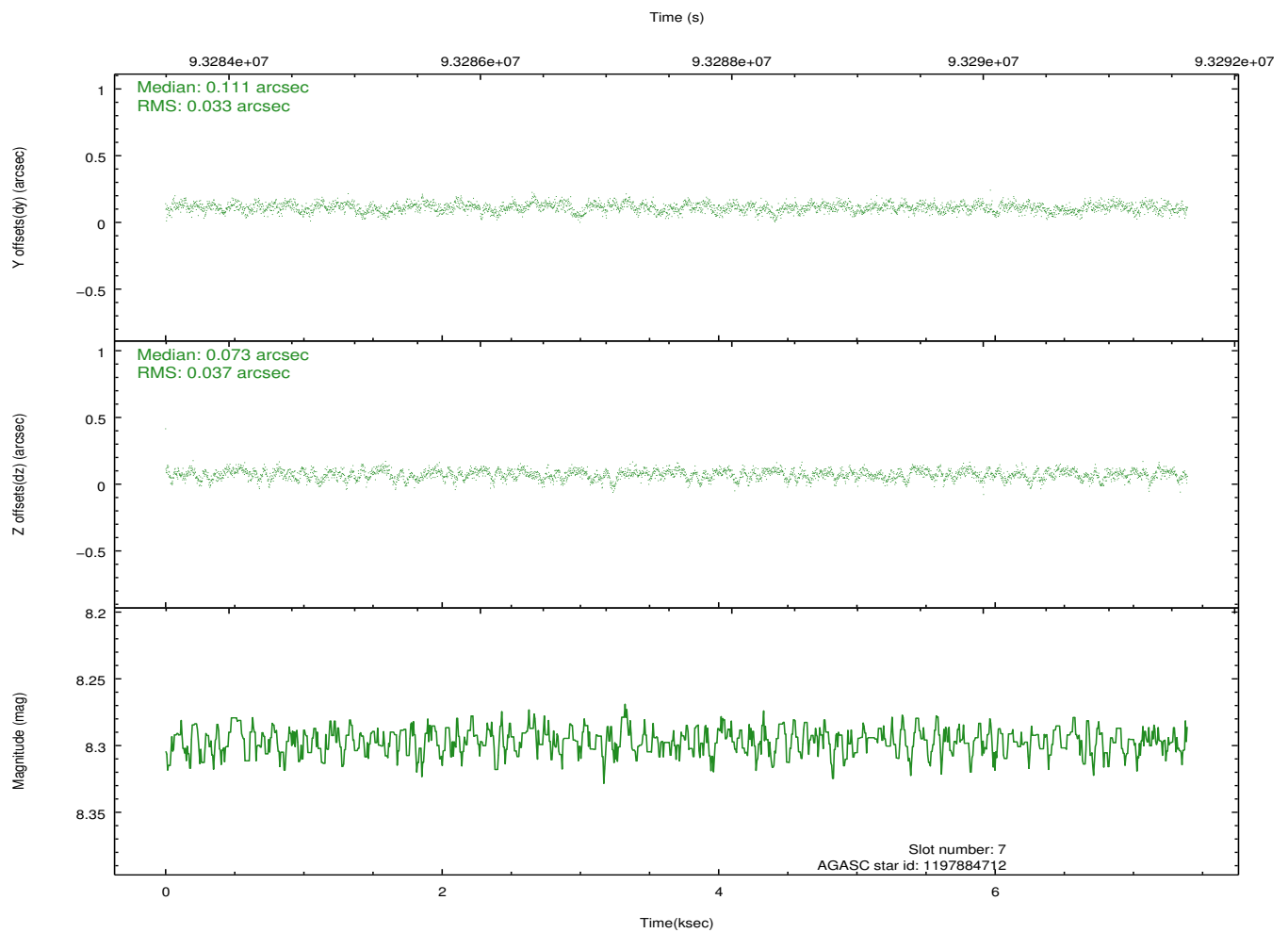
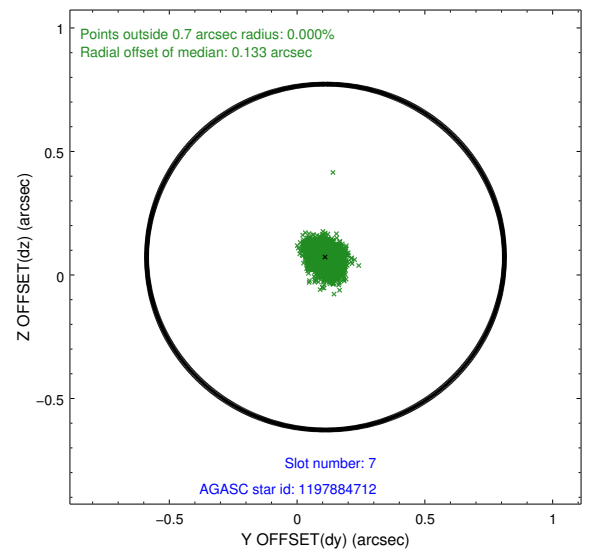
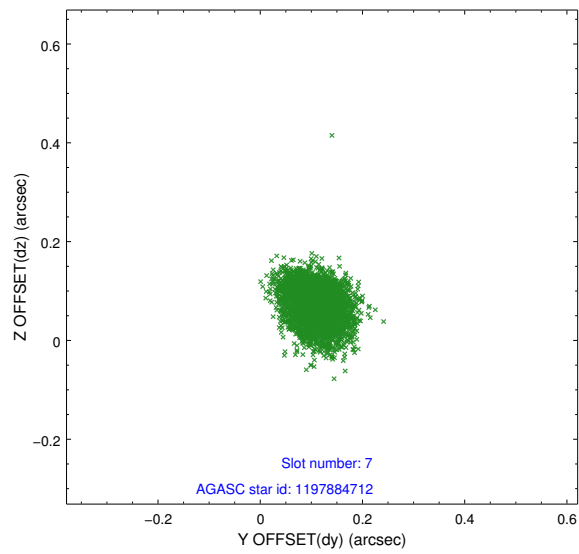
2.4.3 Slot 5



2.4.4 Slot 6

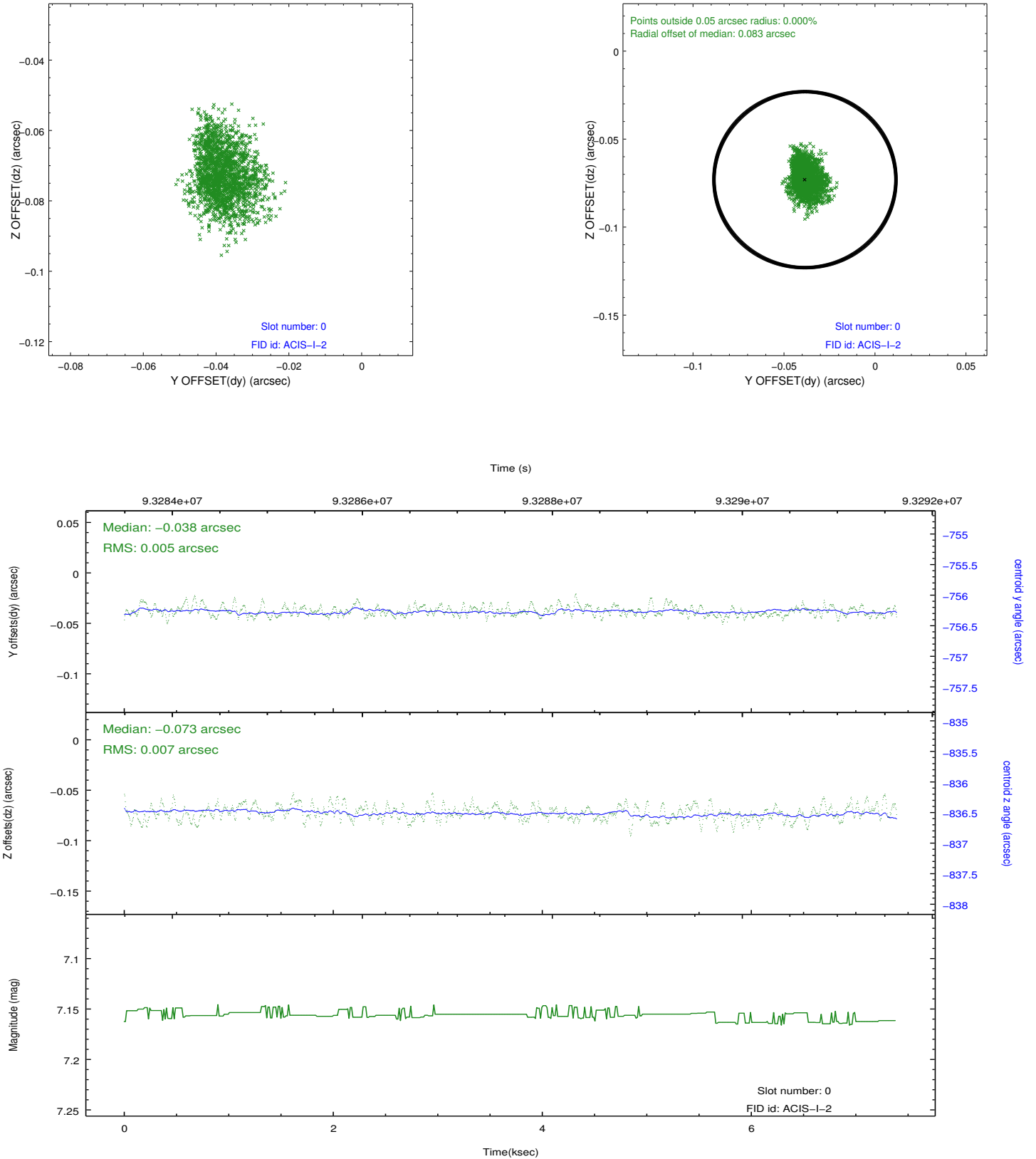


2.4.5 Slot 7

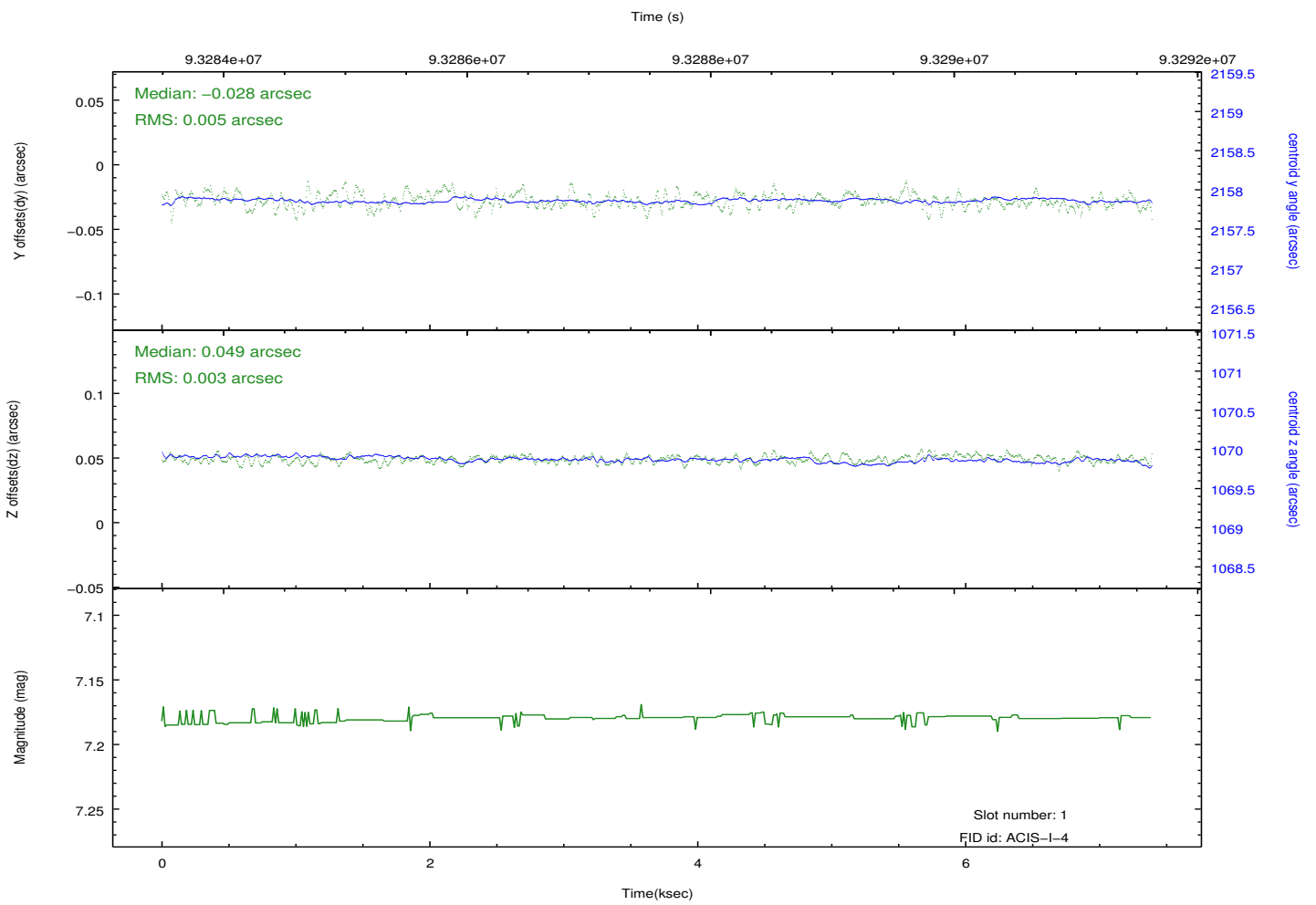
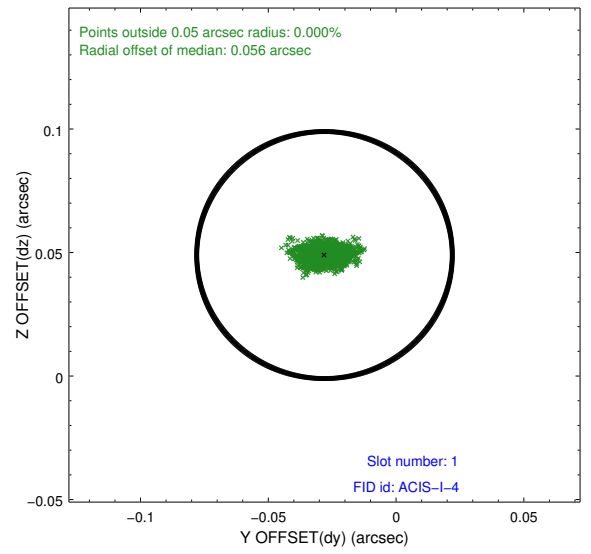
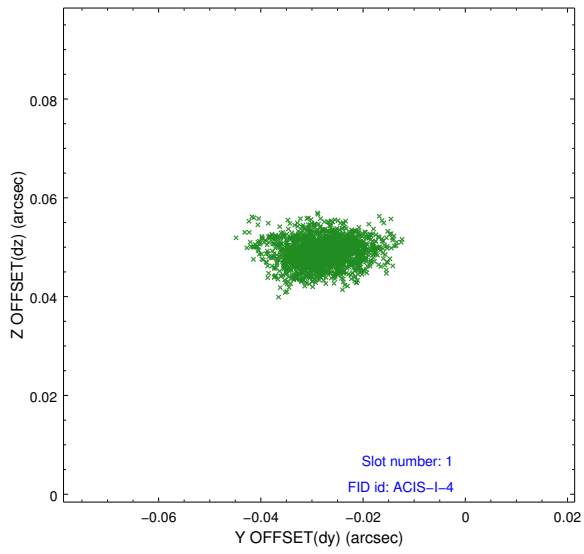


2.5 FID Slots

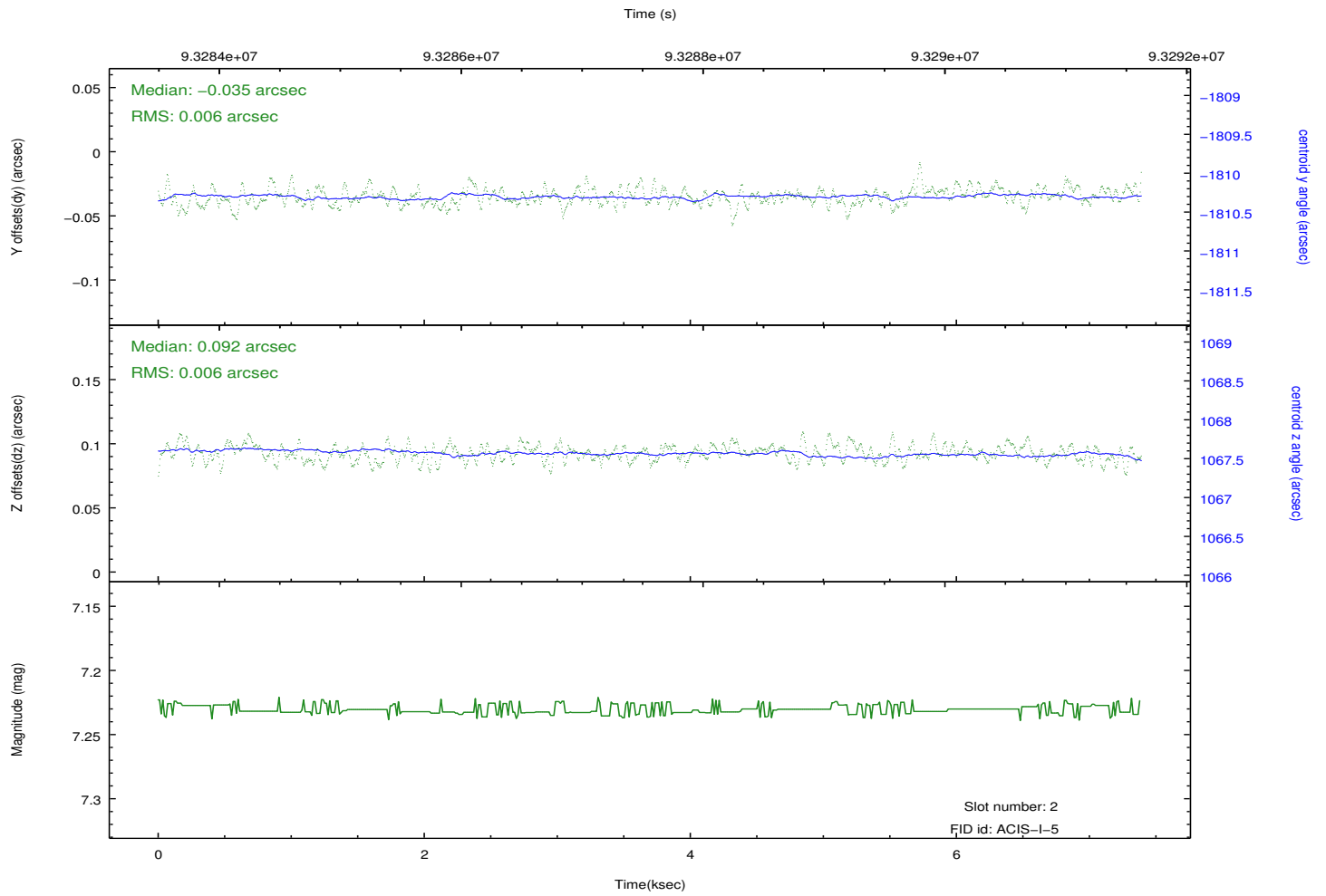
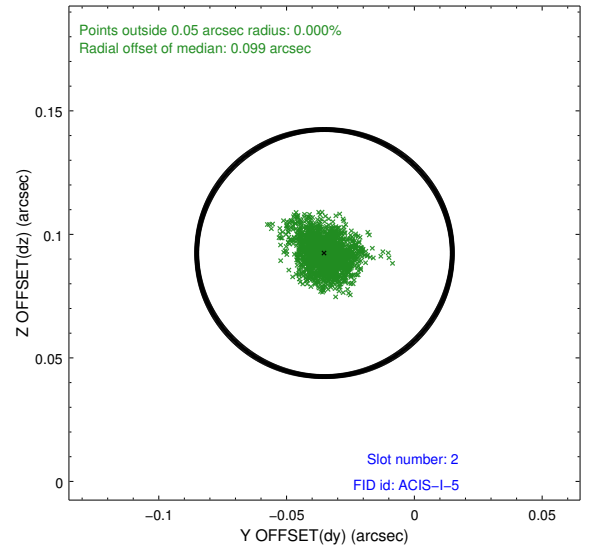
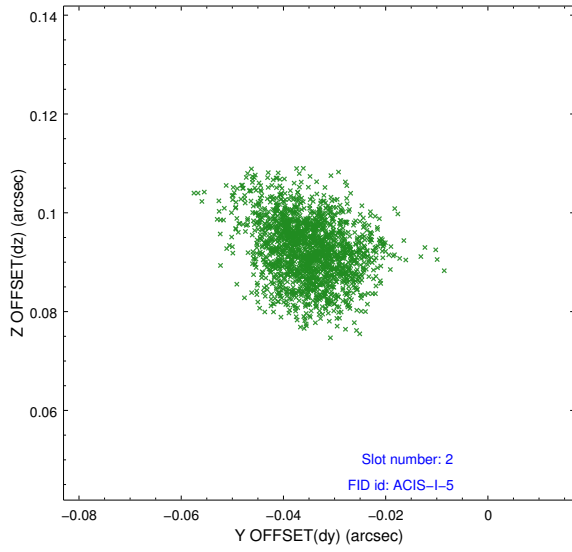
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.96

A.2 Comments

There are 2 observations with the obsid number 1315. They appear in separate spacecraft loads with these duplicate numbers. Because the 2 obsids used different instrument configurations, the telemetry file of the other obsid 1315 was edited to create a new obsid number, obsid 62868. This obsid retains the 1315 designation.