

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1529 - L2 Version 5
Chandra X-Ray Center

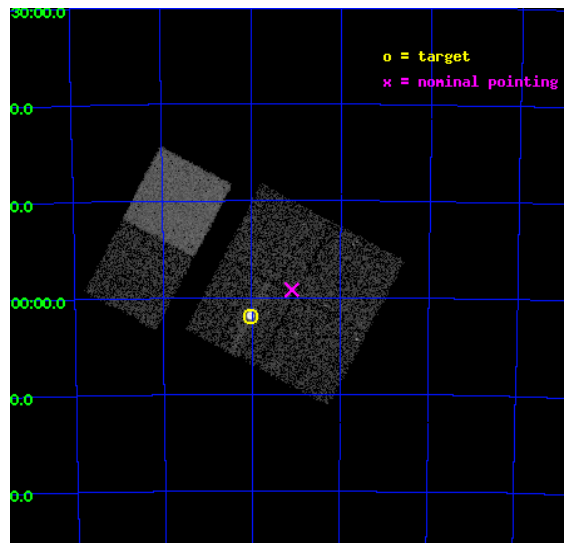
L2 Processing Date : Sep 4 2012

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1 Front

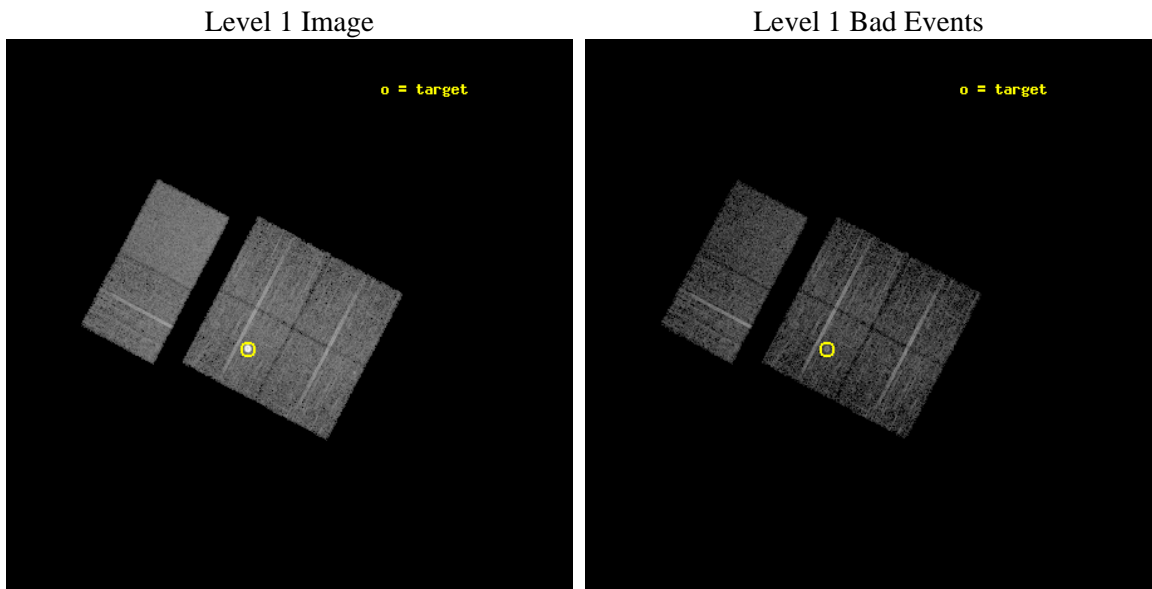
seq_num	590138	Sequence number
obs_id	1529	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I2, T=120, Offsets=4,2,0]	Source name
dtcycle	0	
cycle	P	events from which 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	15.773920557817	Nominal RA [deg]
dec_nom	-71.986965537636	Nominal Dec [deg]
roll_nom	297.90830274579	Nominal Roll [deg]
revision	5	Processing version of data
ontime	6960.0000064671	Sum of GTIs [s]
livetime	6871.8682955764	Livetime [s]
ontime0	6960.0000064671	Sum of GTIs [s]
ontime1	6960.0000064671	Sum of GTIs [s]
ontime2	6960.0000064671	Sum of GTIs [s]
ontime3	6960.0000064671	Sum of GTIs [s]
ontime6	6956.7590462267	Sum of GTIs [s]
ontime7	6960.0000064671	Sum of GTIs [s]
l2events	67769	Number of level 2 events



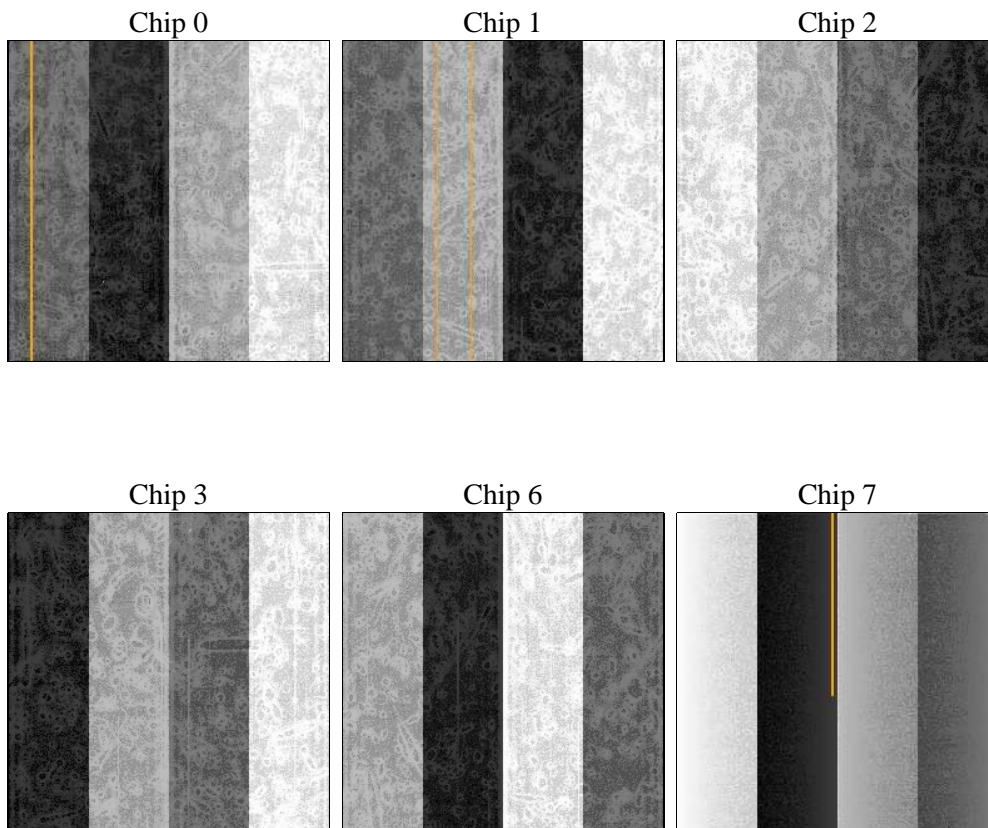
2 OBI

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	6960.0000064671	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	6960.0000064671	Sum of GTIs [s]
date	2012-09-05T01:15:30	Date and time of file creation	ontime1	6960.0000064671	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	6960.0000064671	Sum of GTIs [s]
			ontime3	6960.0000064671	Sum of GTIs [s]
			ontime6	6956.7590462267	Sum of GTIs [s]
			ontime7	6960.0000064671	Sum of GTIs [s]
			l1events	279075	Number of level 1 events

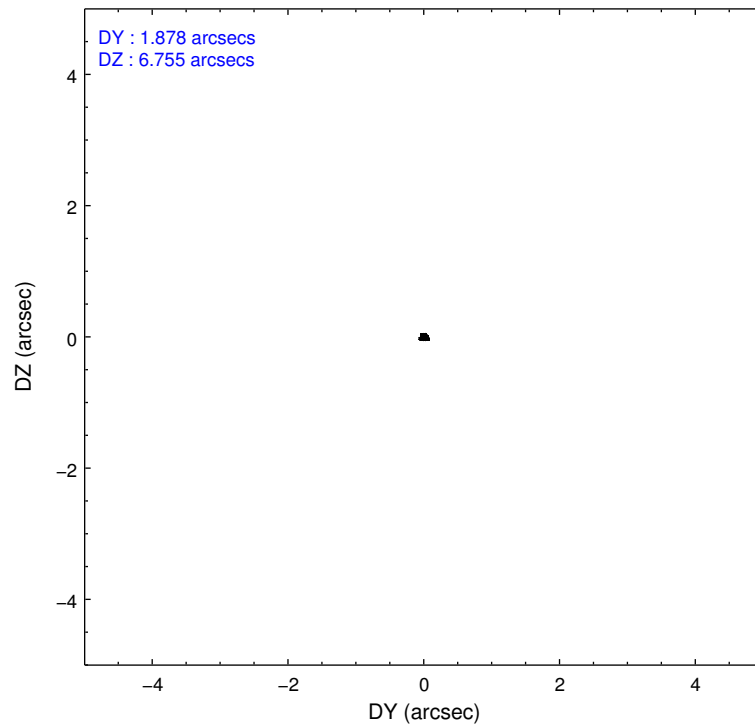
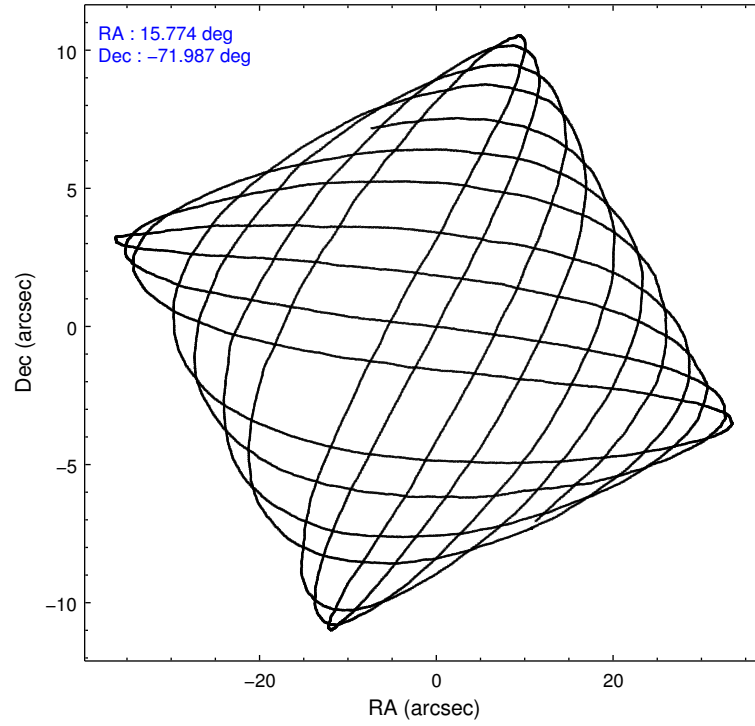
2.1.4 Events

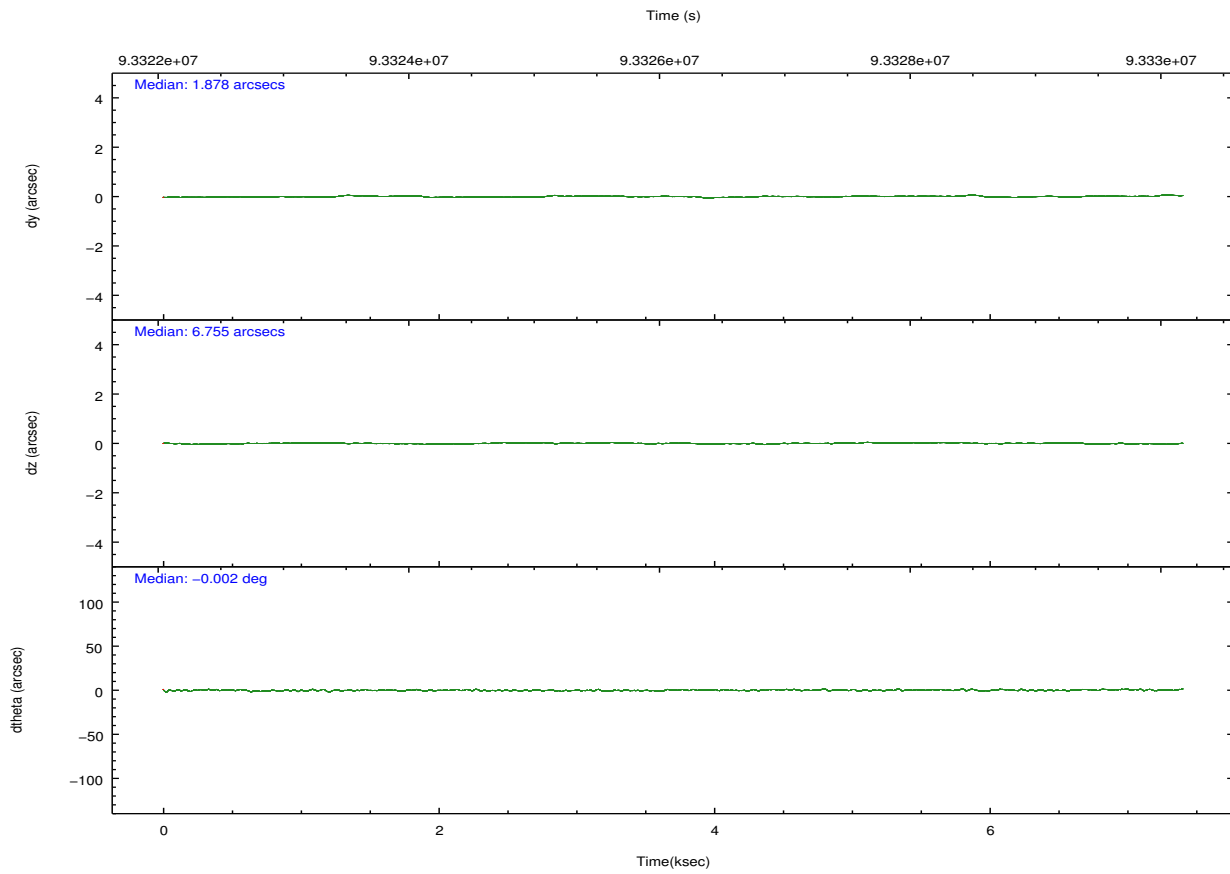
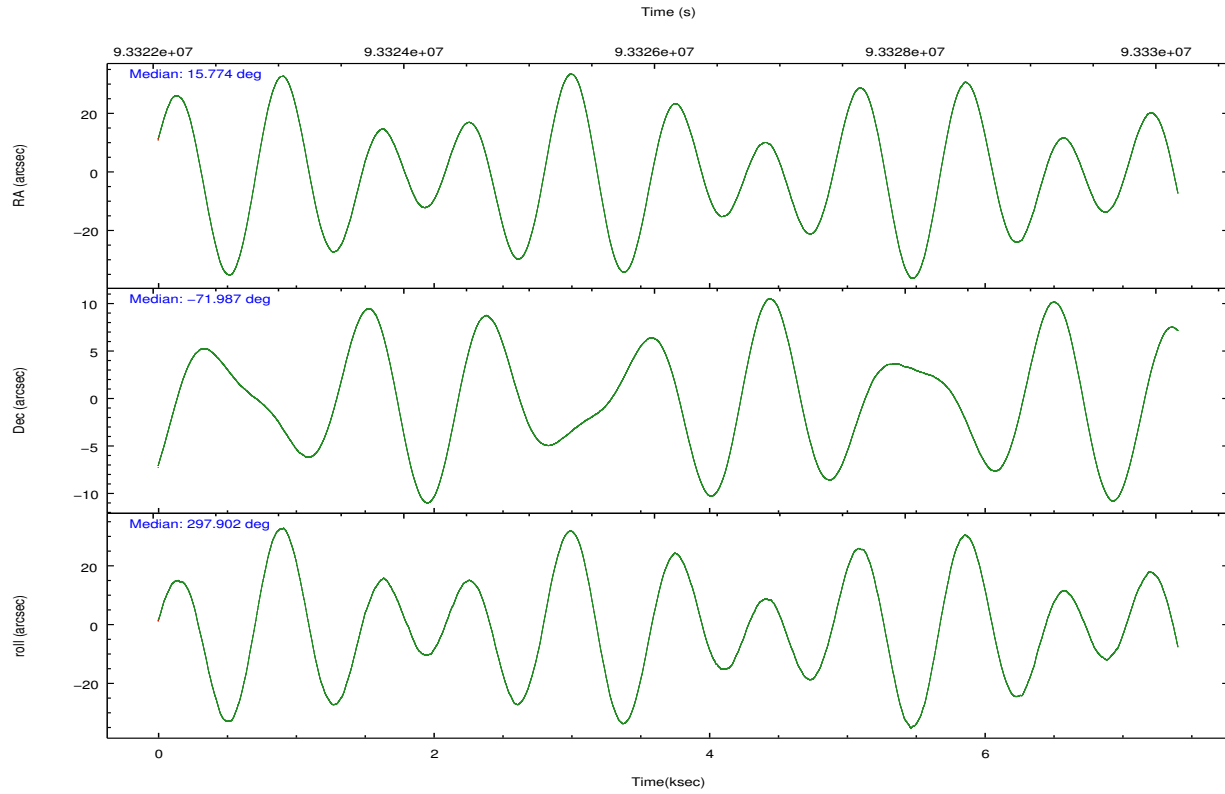
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37579	37109	67062	41204	43578	52543	grade 0 events	2280	2275	25244	2090	1925	2096
rejected events	32546	31854	36371	36574	38743	30956		6%	6%	37%	5%	4%	3%
rejected %	86%	85%	54%	88%	88%	58%	grade 1 events	16	22	236	22	12	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1016	971	2775	877	1000	4288
								2%	2%	4%	2%	2%	8%
							grade 3 events	442	510	901	420	489	1962
								1%	1%	1%	1%	1%	3%
							grade 4 events	454	556	786	473	459	1946
								1%	1%	1%	1%	1%	3%
							grade 5 events	1492	1575	1475	1580	1688	5016
								3%	4%	2%	3%	3%	9%
							grade 6 events	842	943	992	771	964	11310
								2%	2%	1%	1%	2%	21%
							grade 7 events	31037	30257	34653	34971	37041	25863
								82%	81%	51%	84%	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	15.698501	15.77392055781736	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.972329	-71.98696553763594	Alternating exposures requested	N	N
[deg] Pointing Roll	297.627899	297.9083027457913	[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)	93322607.184000	93322231.636259			
Observation start date	2000-12-16T02:55:43	2000-12-16T02:50:31			
[s] Observation end time (MET)	93329807.184000	93330475.711574			
Observation end date	2000-12-16T04:55:43	2000-12-16T05:07:55			
Read mode	TIMED	TIMED			

2.3 Aspect



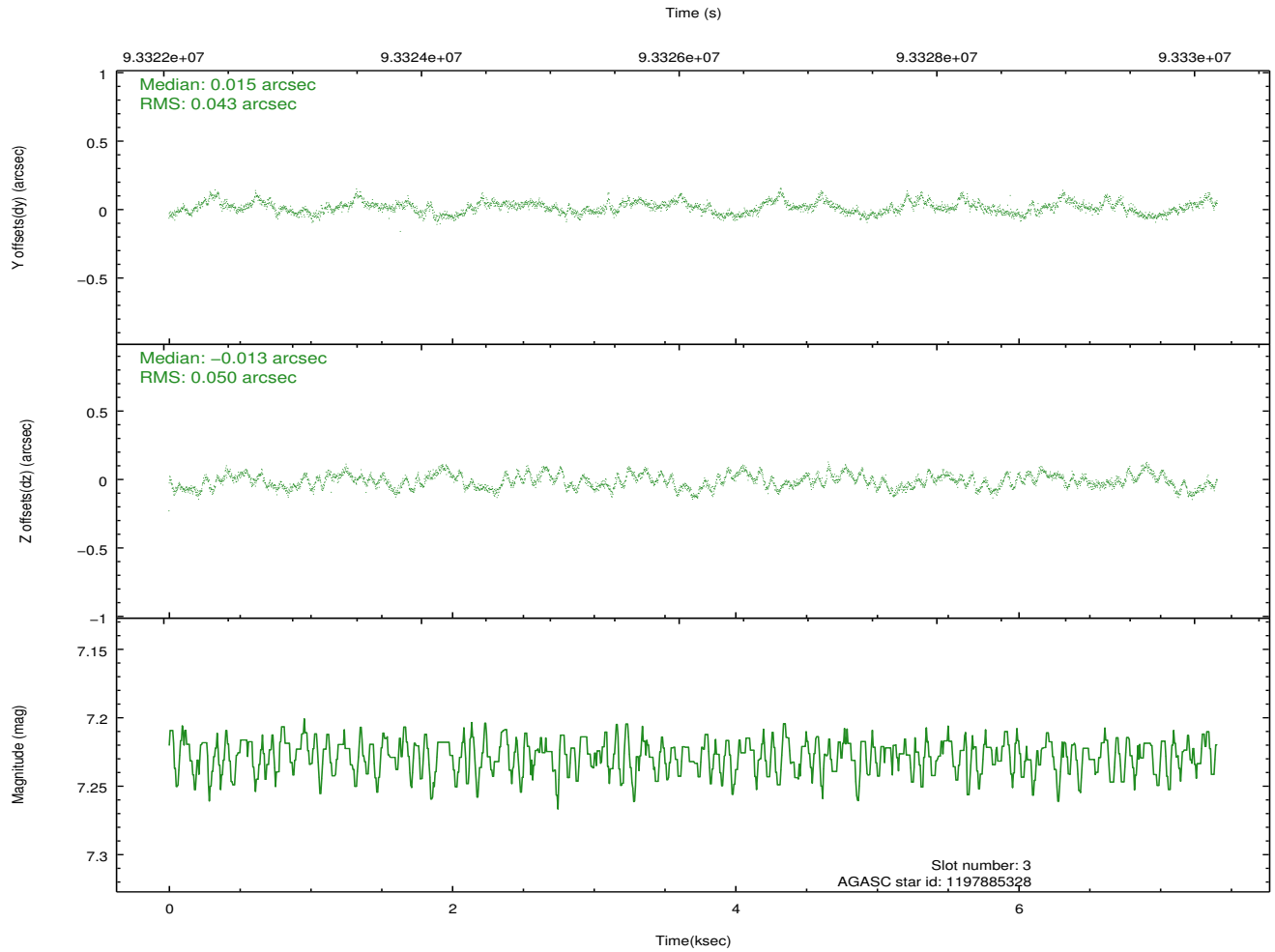
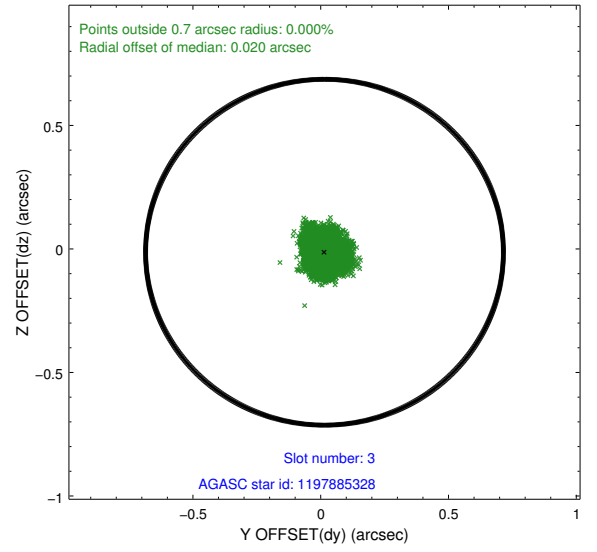
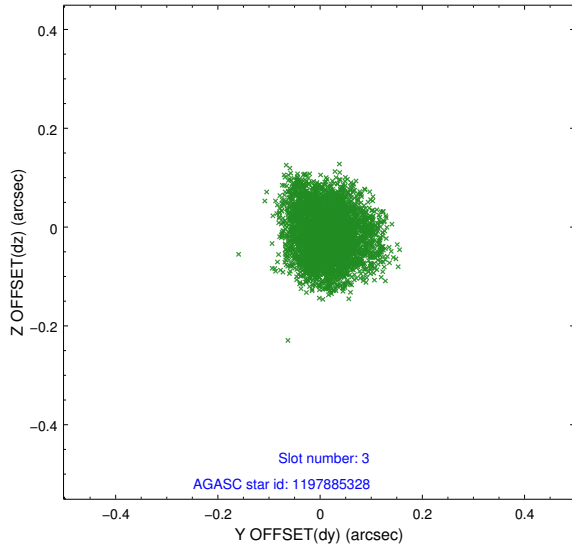


Slot Statistics

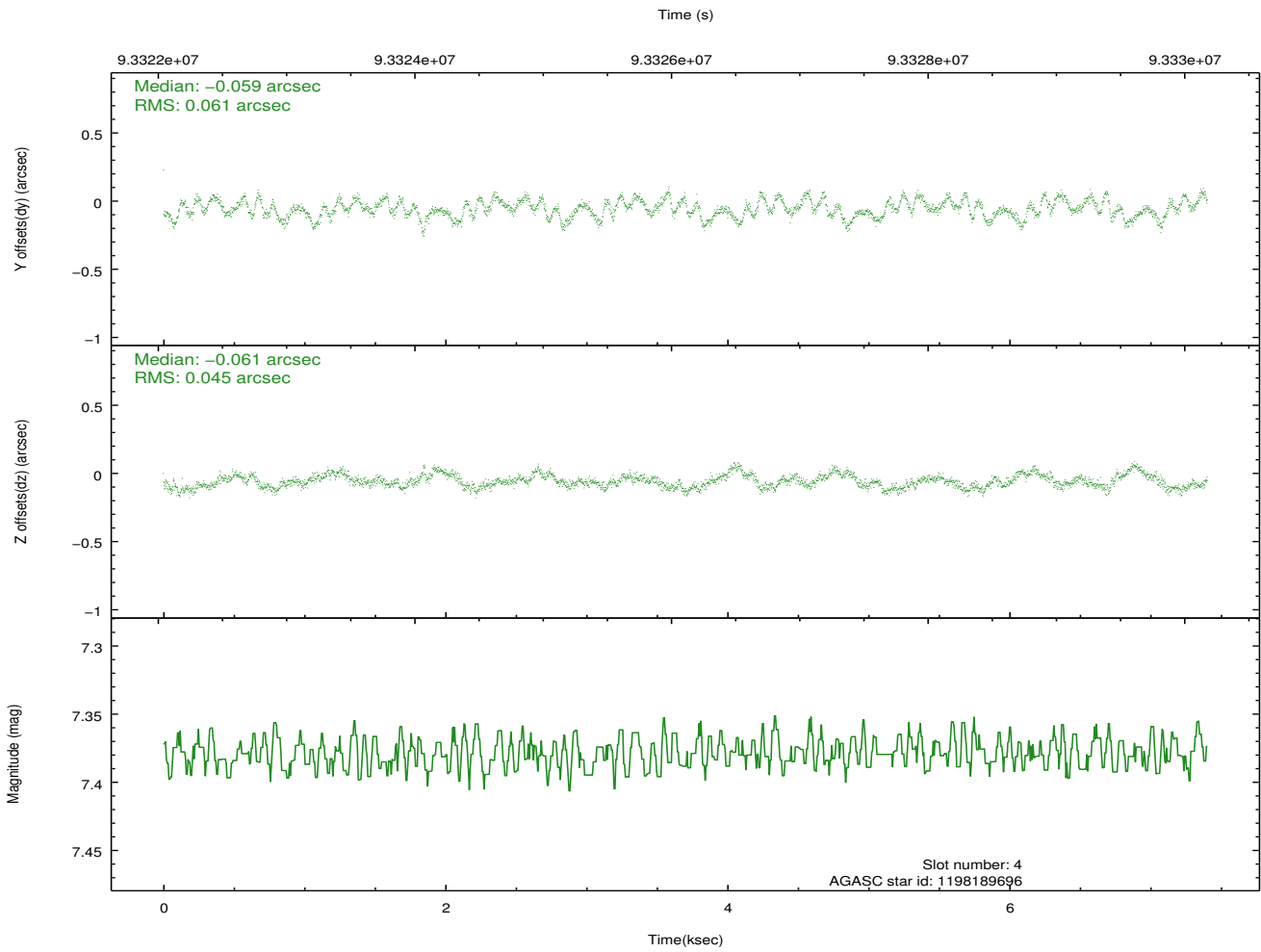
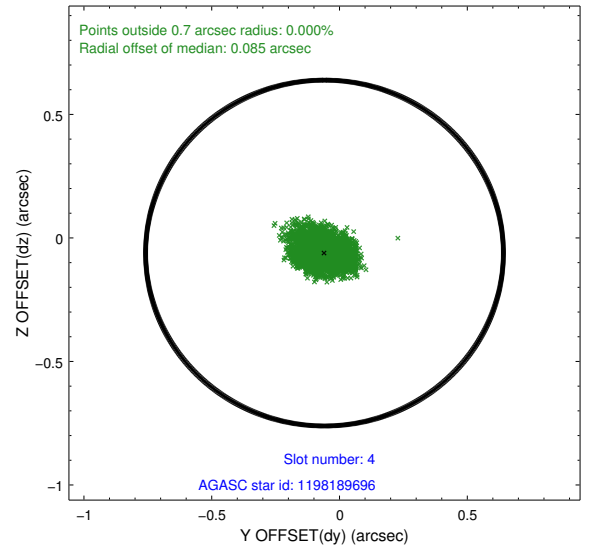
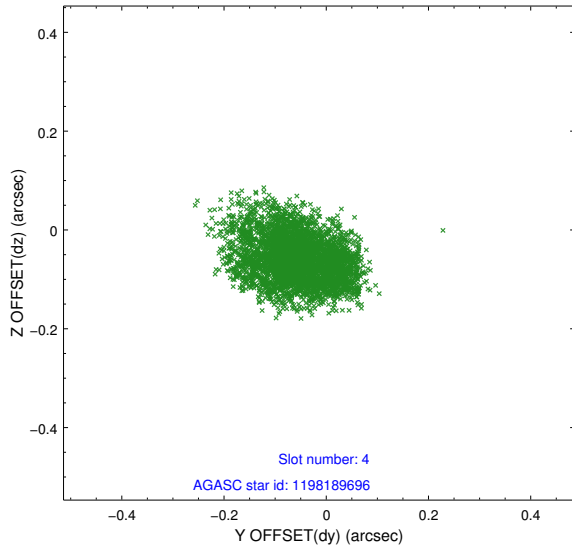
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1806	-0.039	-0.072	0.009	0.015	0.000000	0.000000	-756.26	-836.58
1	FID	ACIS-I-4	7.18	1805	-0.028	0.049	0.006	0.011	0.000000	0.000000	2157.45	1069.34
2	FID	ACIS-I-5	7.23	1805	-0.034	0.091	0.009	0.015	0.000000	0.000000	-1809.10	1068.09
3	GUIDE	1197885328	7.23	3610	0.015	-0.013	0.073	0.110	16.283090	-71.733943	-452.01	980.58
4	GUIDE	1198189696	7.38	3611	-0.059	-0.061	0.083	0.129	15.223750	-72.697522	2078.86	-1661.88
5	GUIDE	1197750936	7.56	3611	-0.040	-0.067	0.074	0.110	15.387940	-71.549550	-1511.50	390.83
6	GUIDE	1197884536	8.46	3612	-0.020	0.112	0.237	0.358	17.160729	-71.835289	340.56	1673.23
7	GUIDE	1197884712	8.30	3611	0.101	0.049	0.076	0.118	16.087398	-72.252690	1093.25	-90.28

2.4 Star Slots

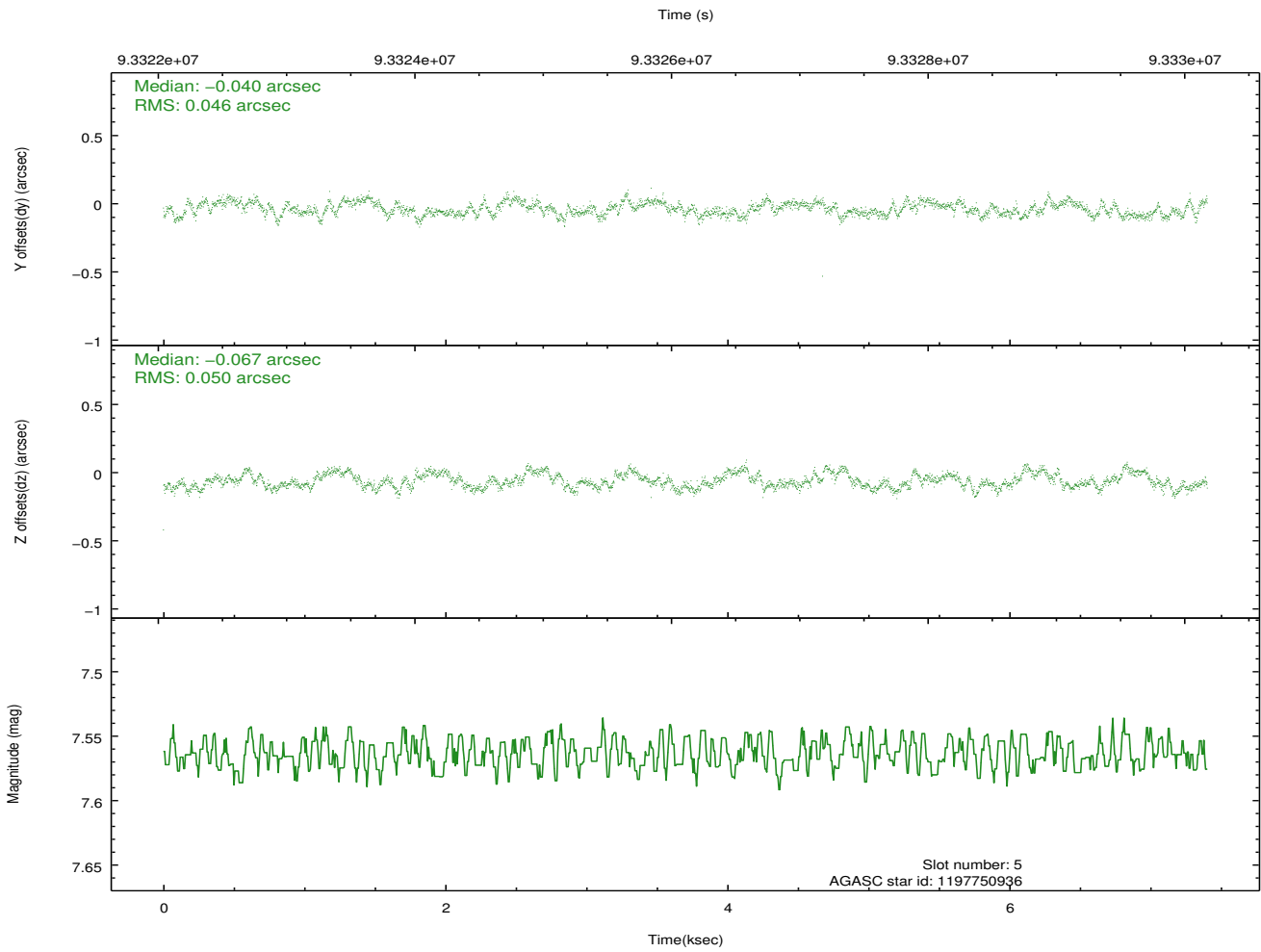
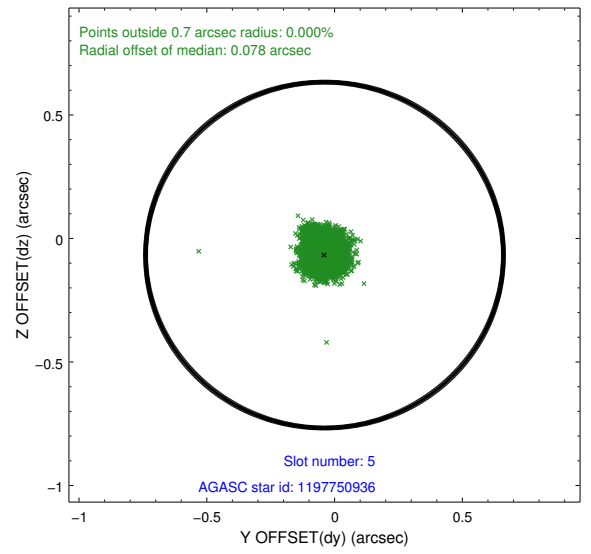
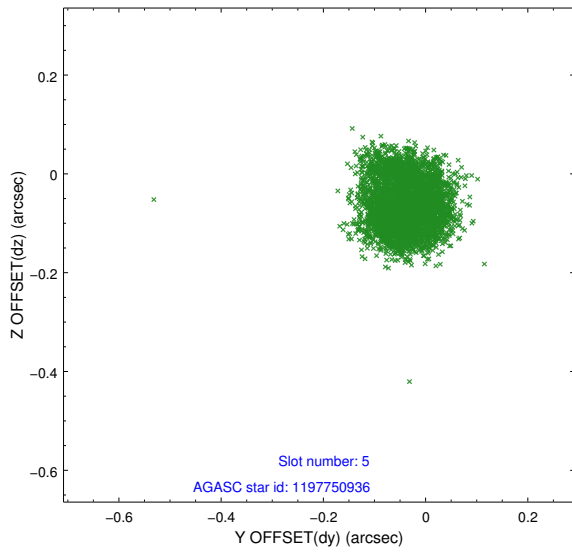
2.4.1 Slot 3



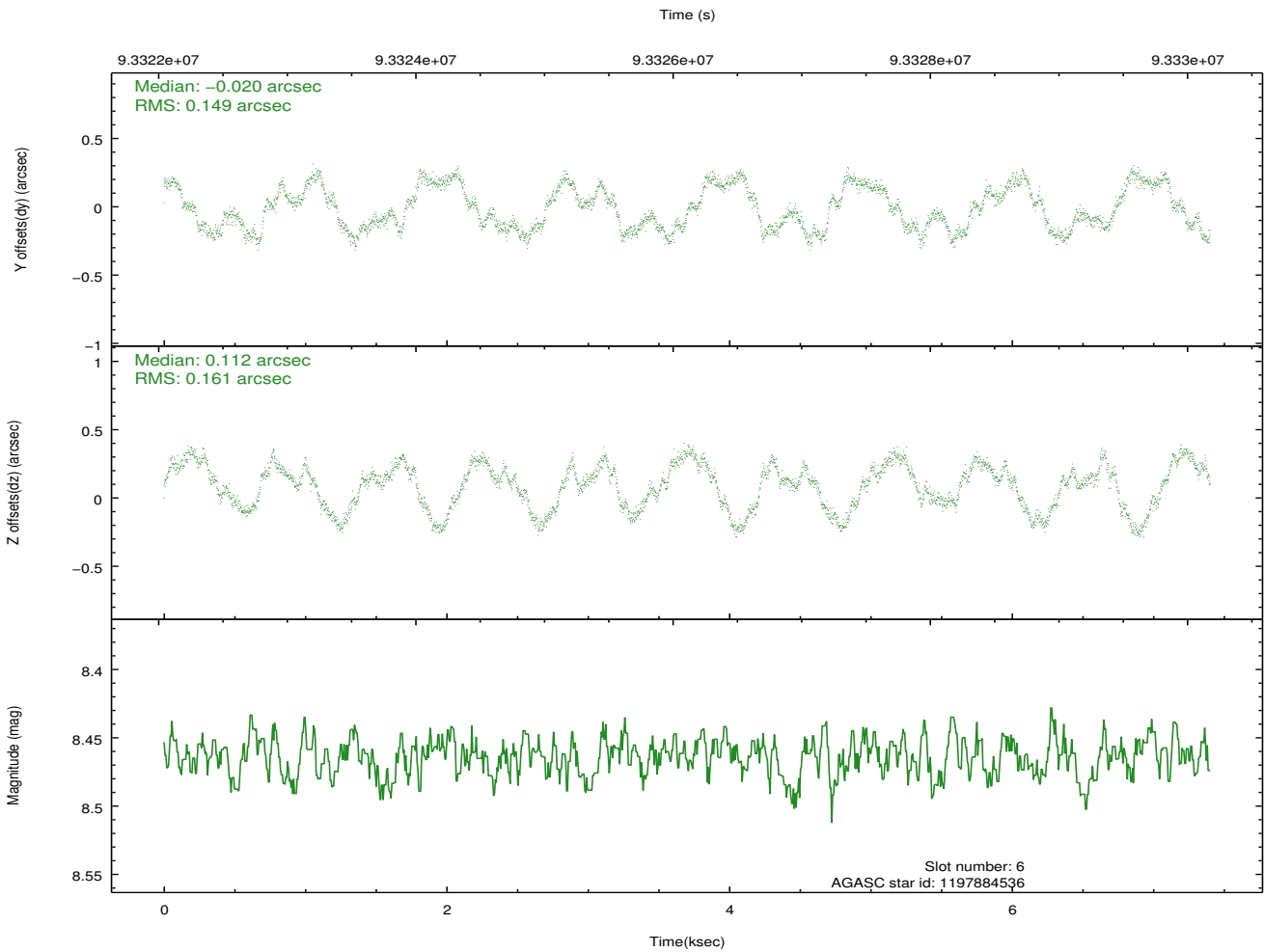
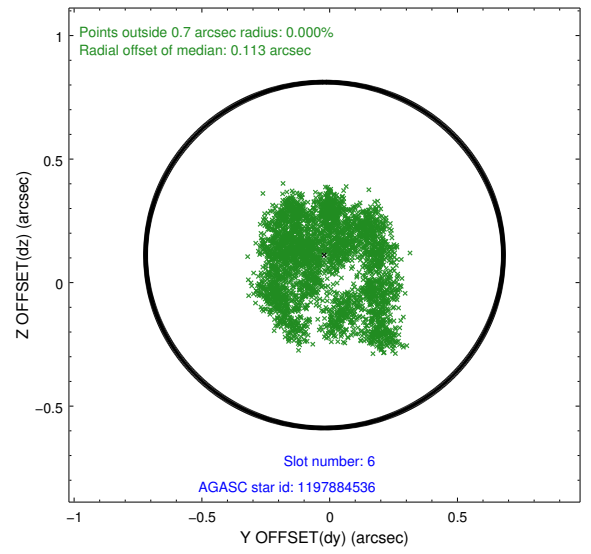
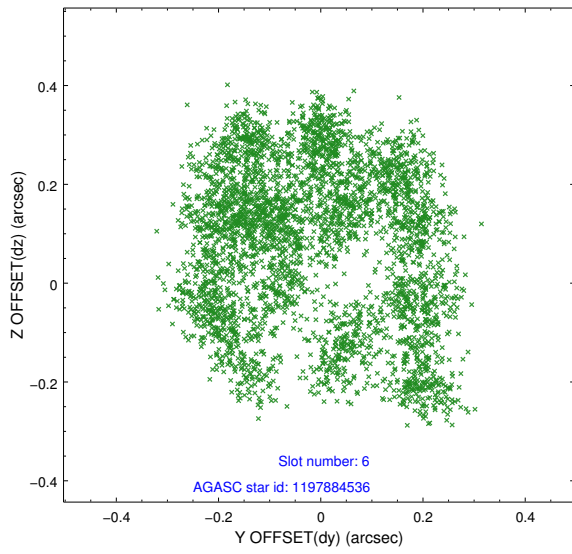
2.4.2 Slot 4



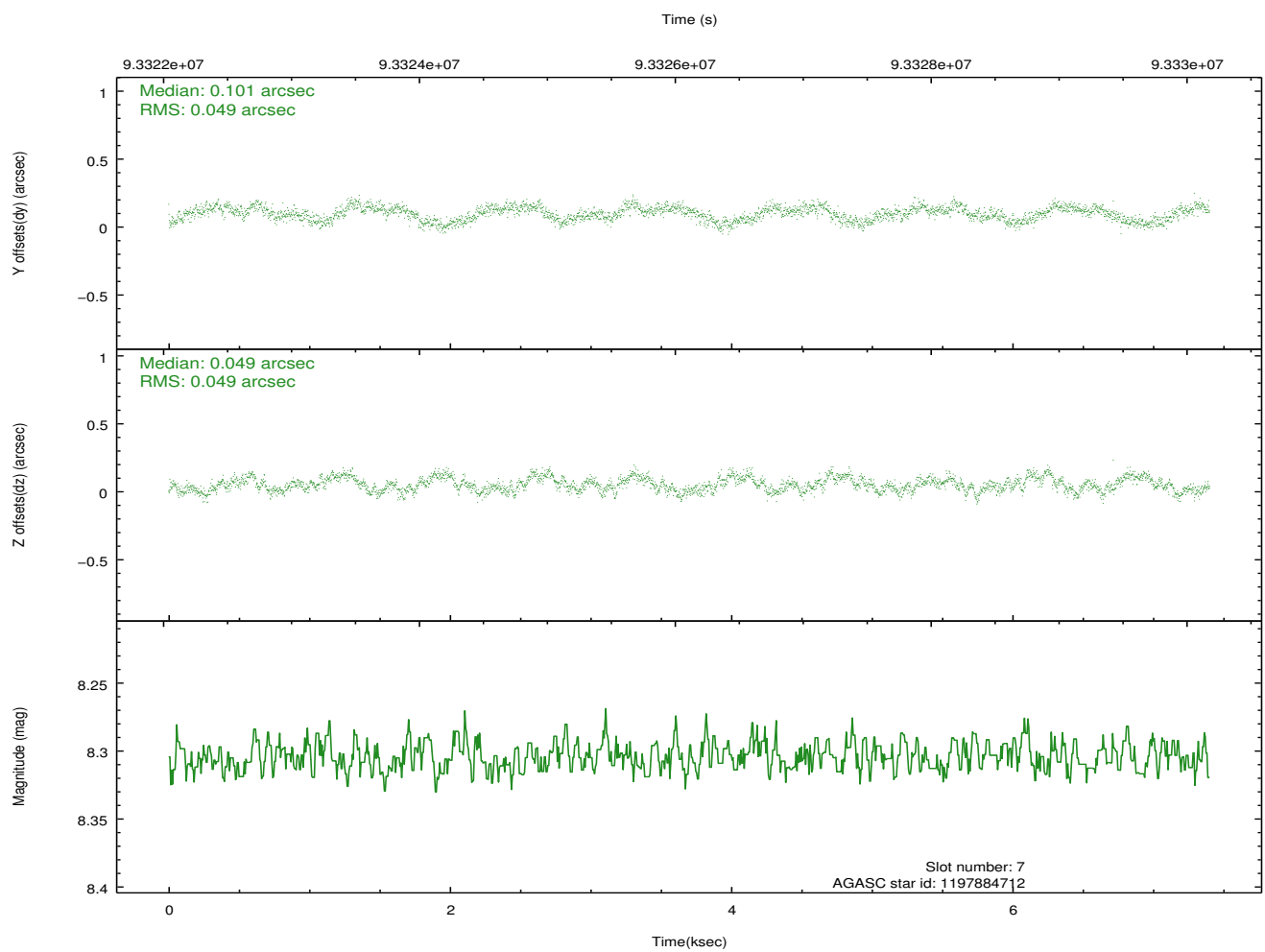
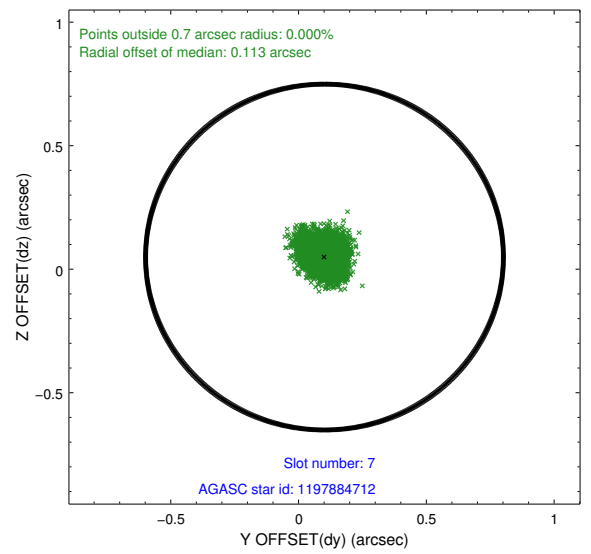
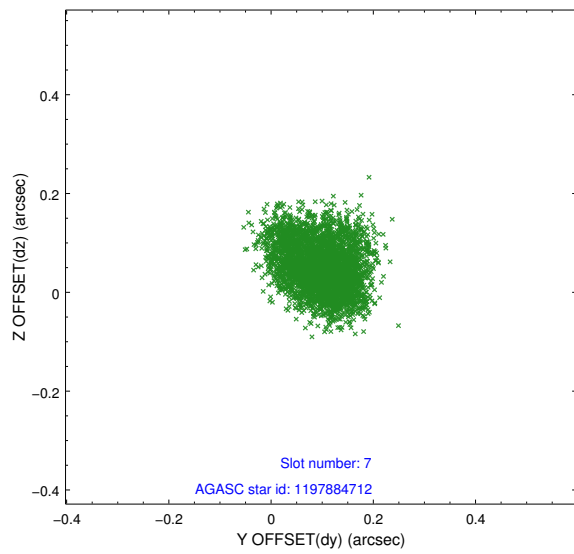
2.4.3 Slot 5



2.4.4 Slot 6

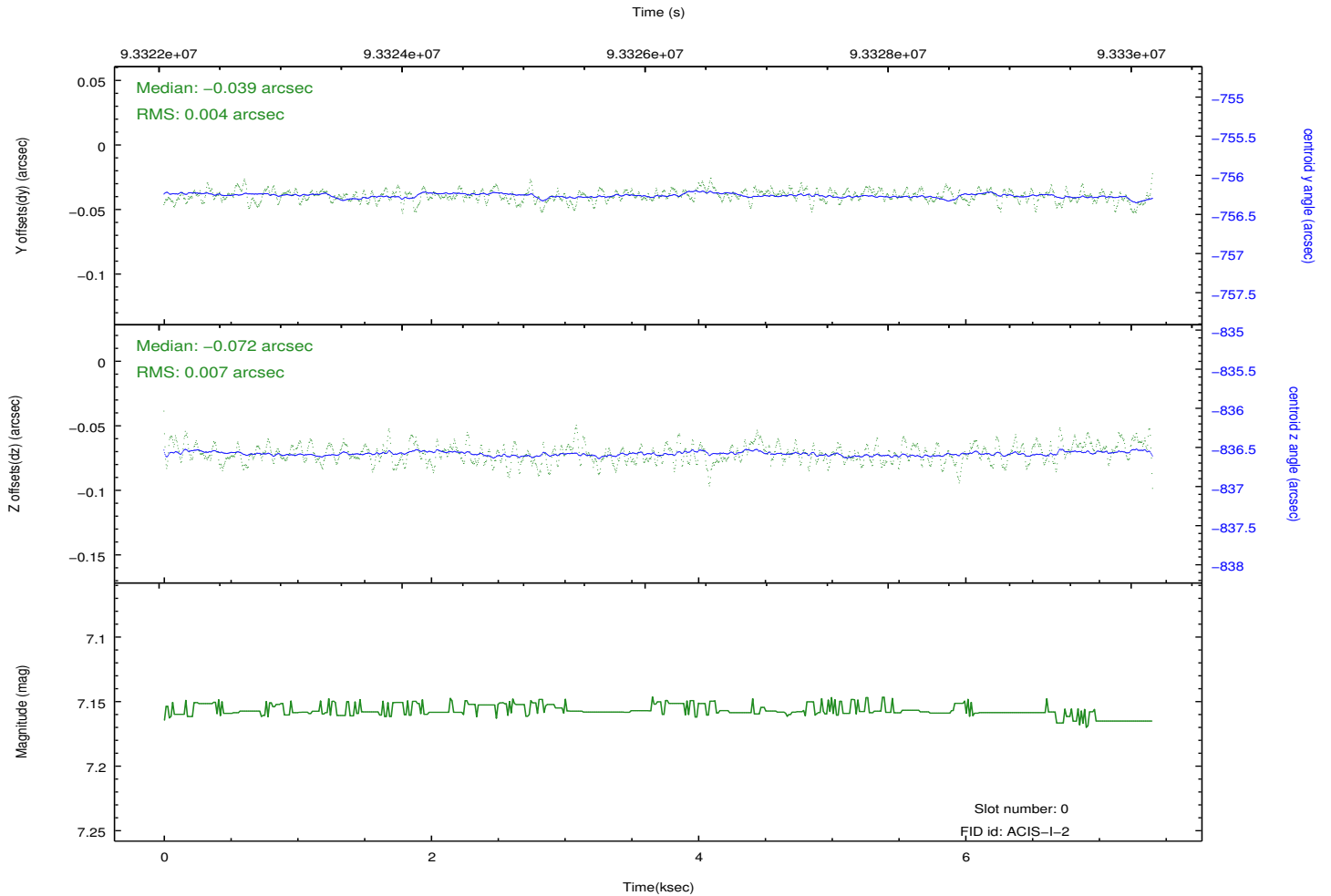
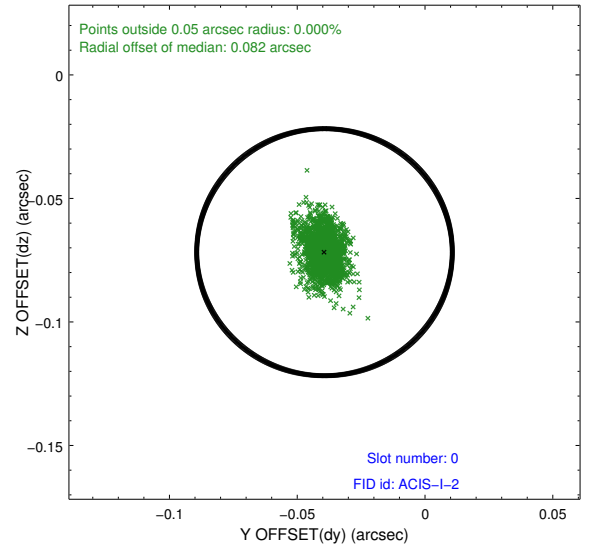
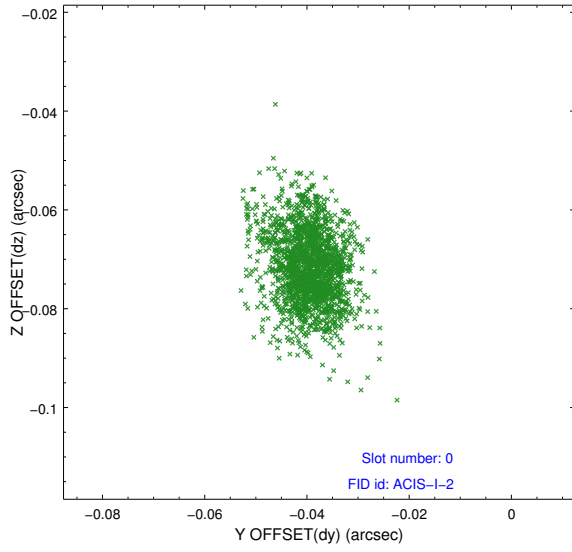


2.4.5 Slot 7

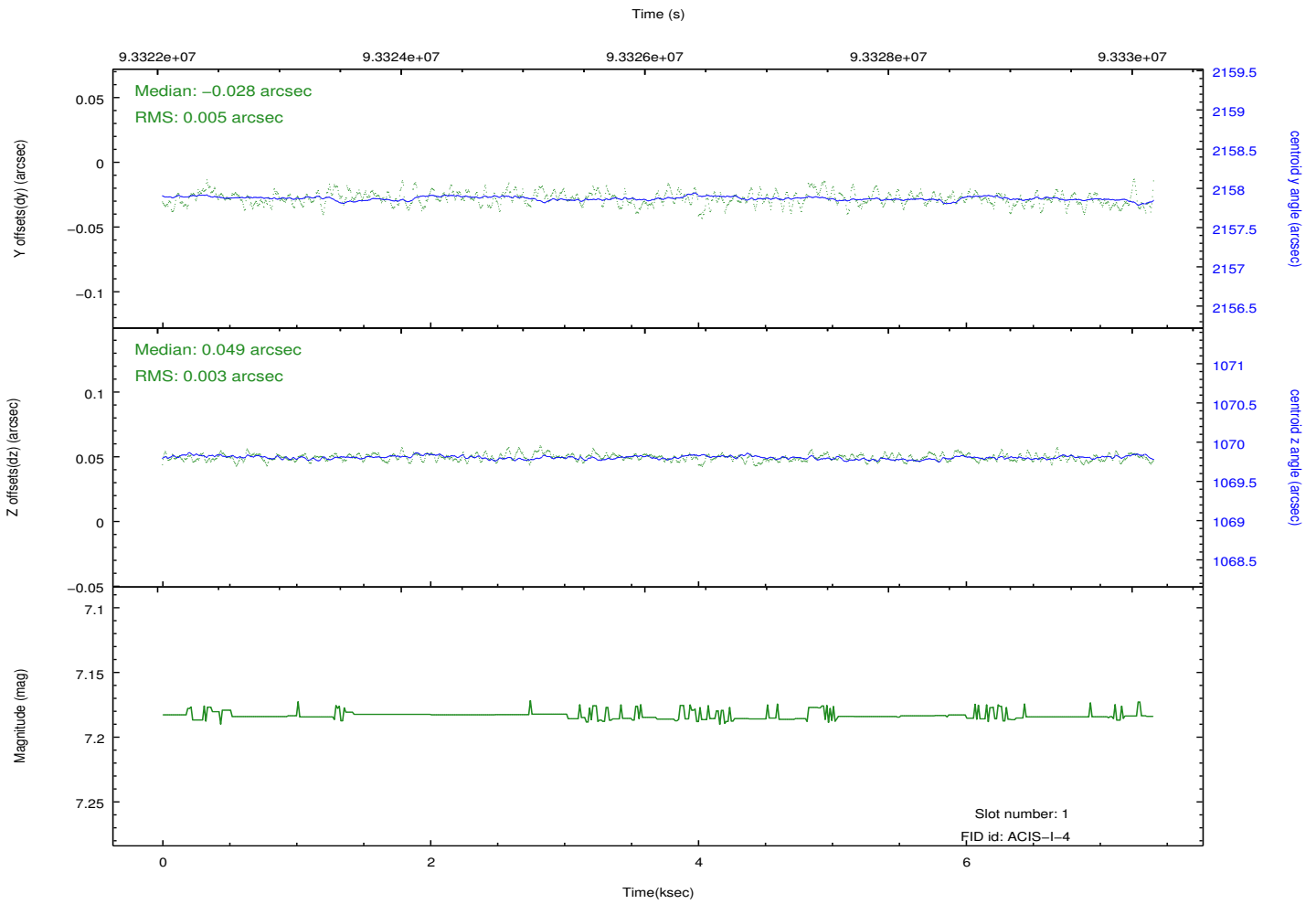
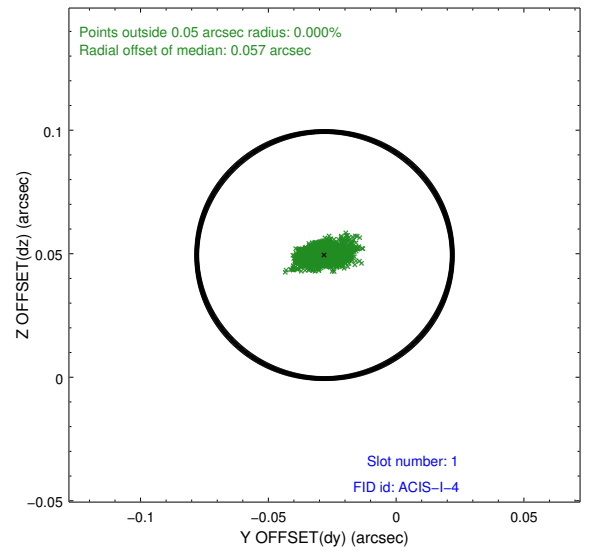
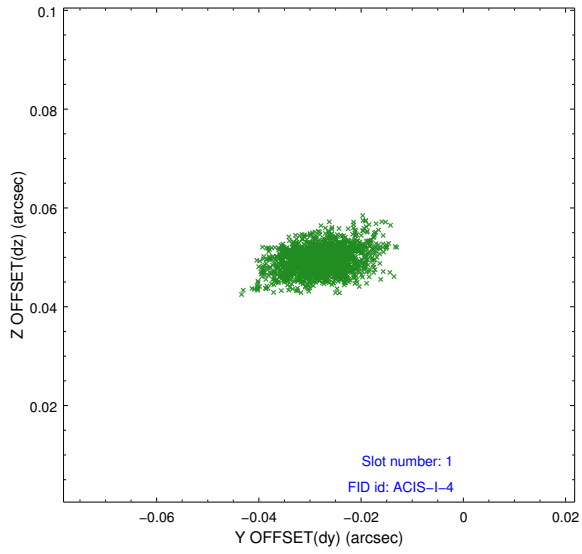


2.5 FID Slots

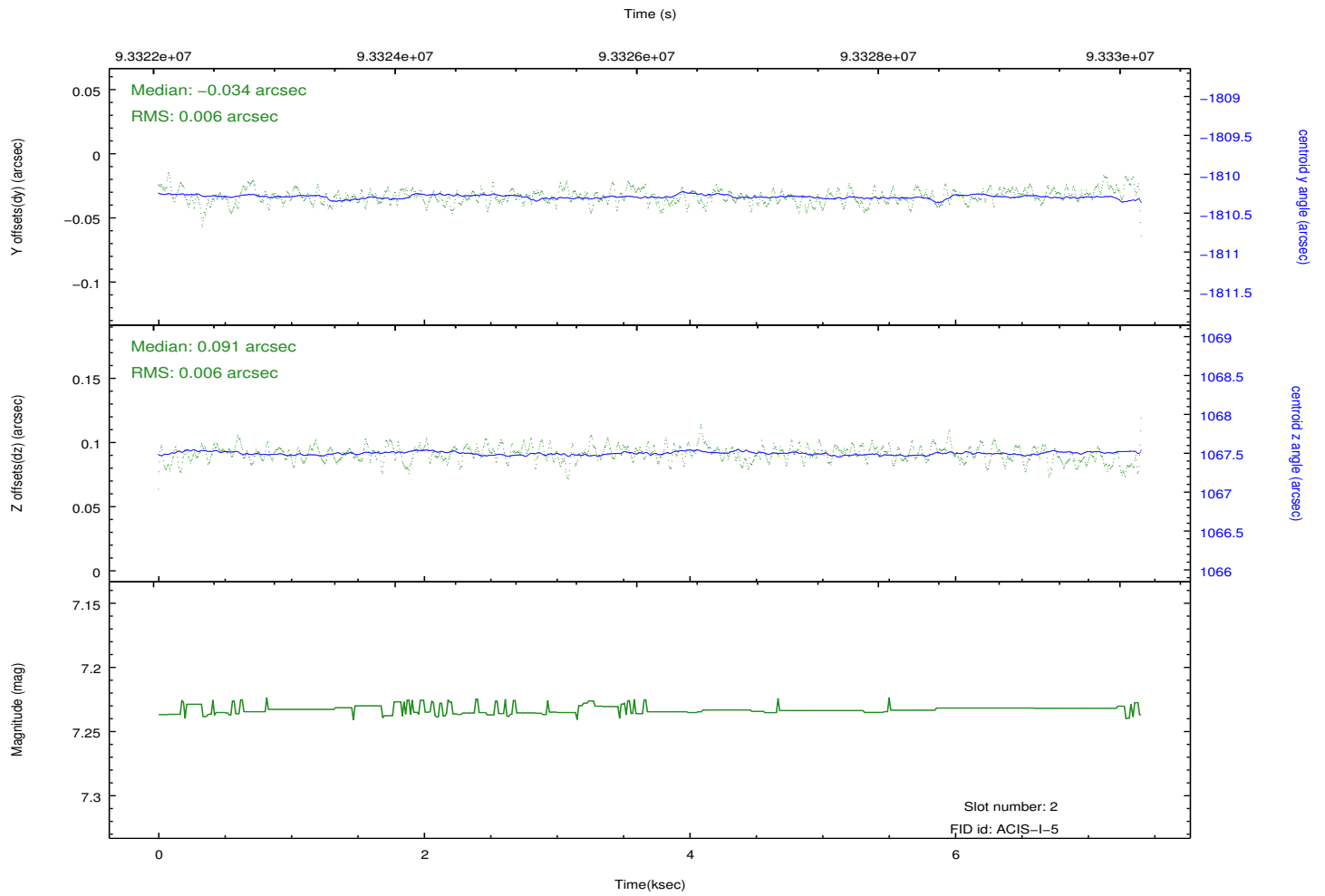
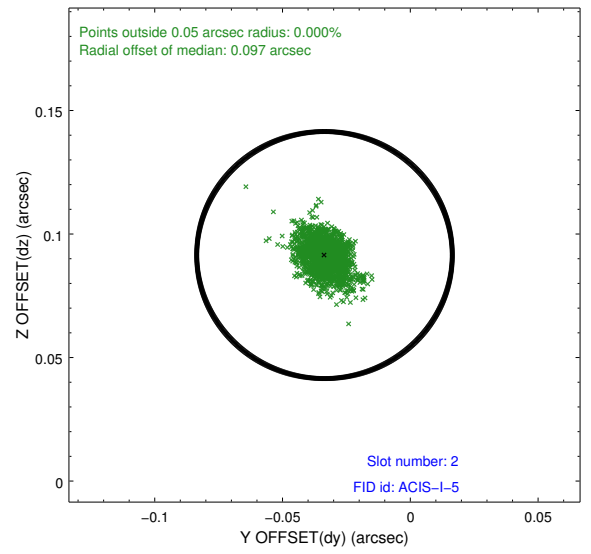
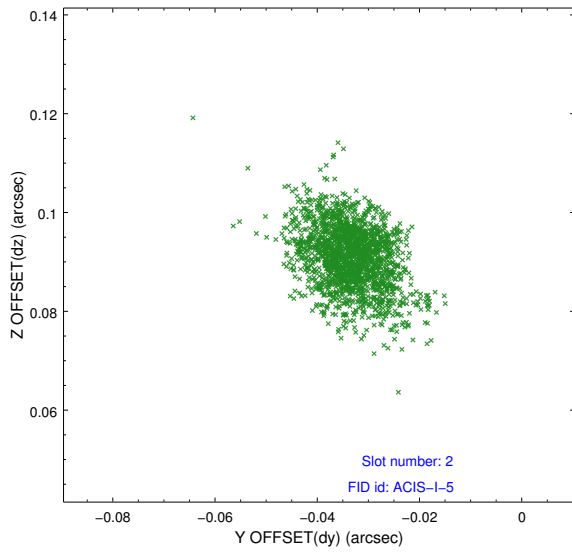
2.5.1 Slot 0



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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.963

A.2 Comments

Window constraint met.