

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1841 - L2 Version 3
Chandra X-Ray Center

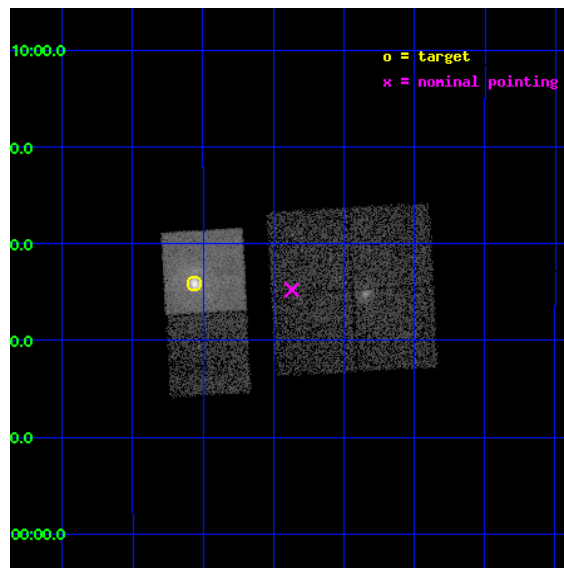
L2 Processing Date : Sep 1 2012

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1 Front

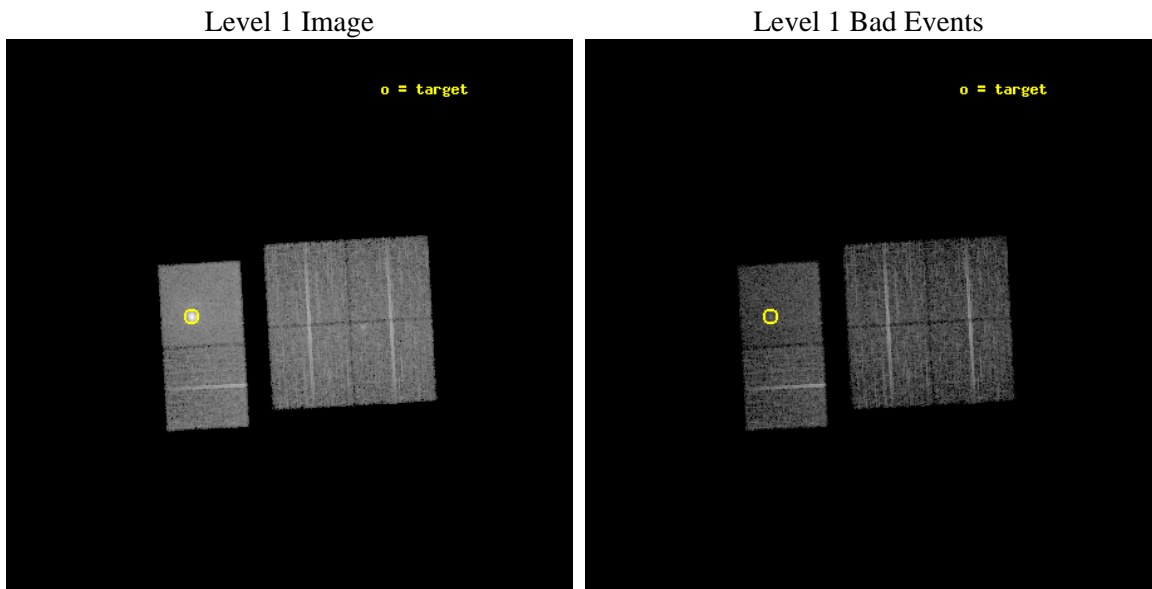
seq_num	590221	Sequence number
obs_id	1841	Observation id
title	HRC RESPONSE TO CONTINUUM SOURCE.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I3, T=120, Offsets=-1,10,5]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.21721227421	Nominal RA [deg]
dec_nom	-10.579678294291	Nominal Dec [deg]
roll_nom	266.80013883139	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8099.2000075281	Sum of GTIs [s]
livetime	7996.64306028	Livetime [s]
ontime0	8099.0664343685	Sum of GTIs [s]
ontime1	8099.1074743718	Sum of GTIs [s]
ontime2	8099.1485143751	Sum of GTIs [s]
ontime3	8099.1895543635	Sum of GTIs [s]
ontime6	8099.2000075281	Sum of GTIs [s]
ontime7	8099.2000075281	Sum of GTIs [s]
l2events	77653	Number of level 2 events



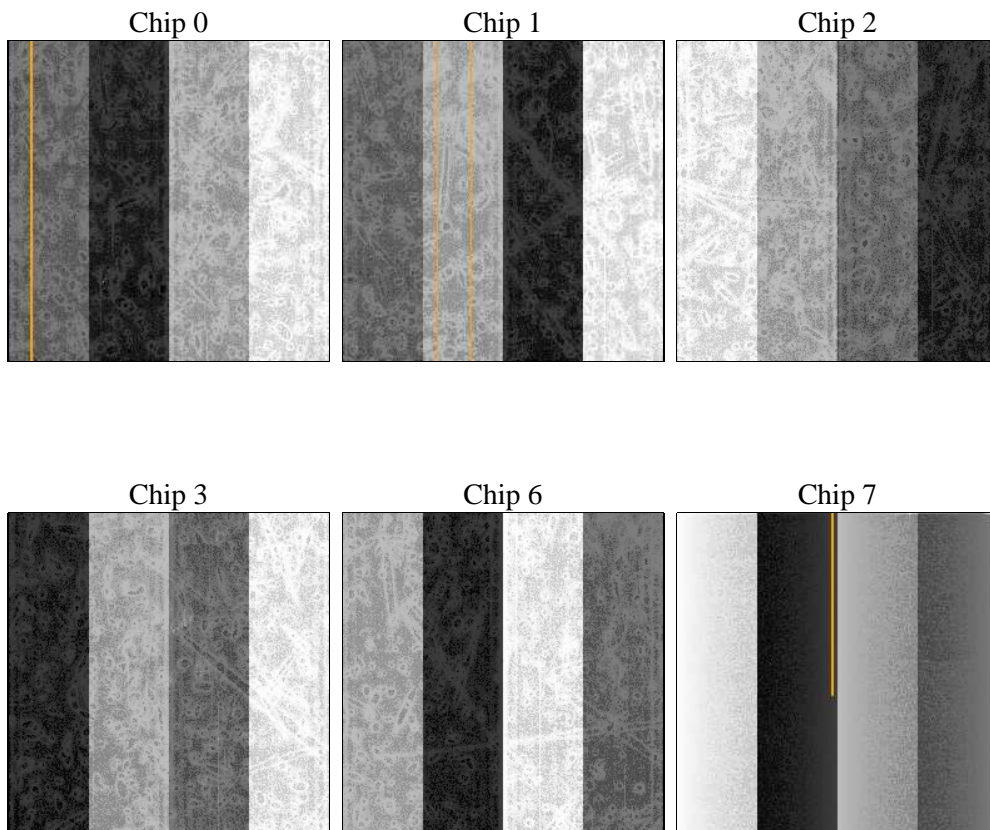
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8099.2000075281	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	8099.0664343685	Sum of GTIs [s]
date	2012-09-01T03:51:59	Date and time of file creation	ontime1	8099.1074743718	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8099.1485143751	Sum of GTIs [s]
			ontime3	8099.1895543635	Sum of GTIs [s]
			ontime6	8099.2000075281	Sum of GTIs [s]
			ontime7	8099.2000075281	Sum of GTIs [s]
			l1events	325556	Number of level 1 events

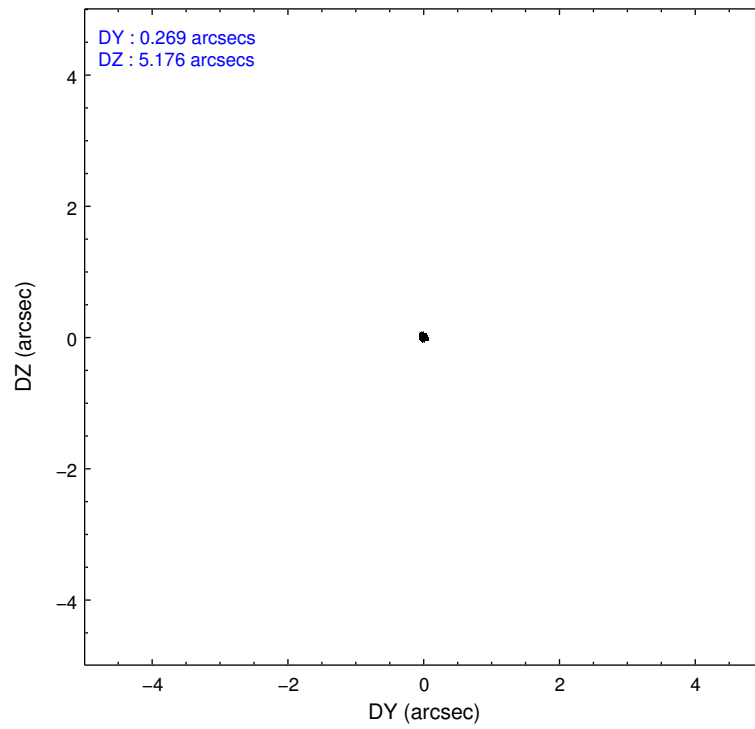
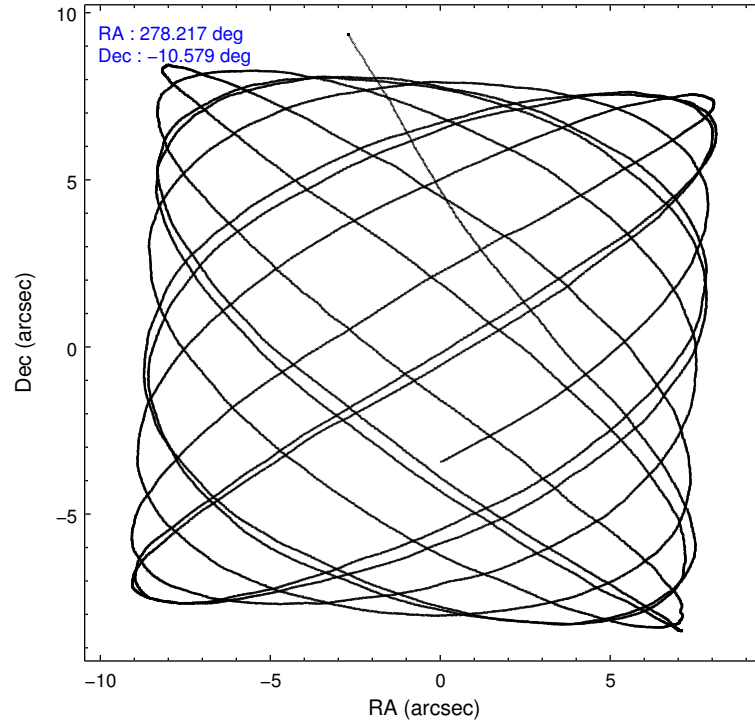
2.1.4 Events

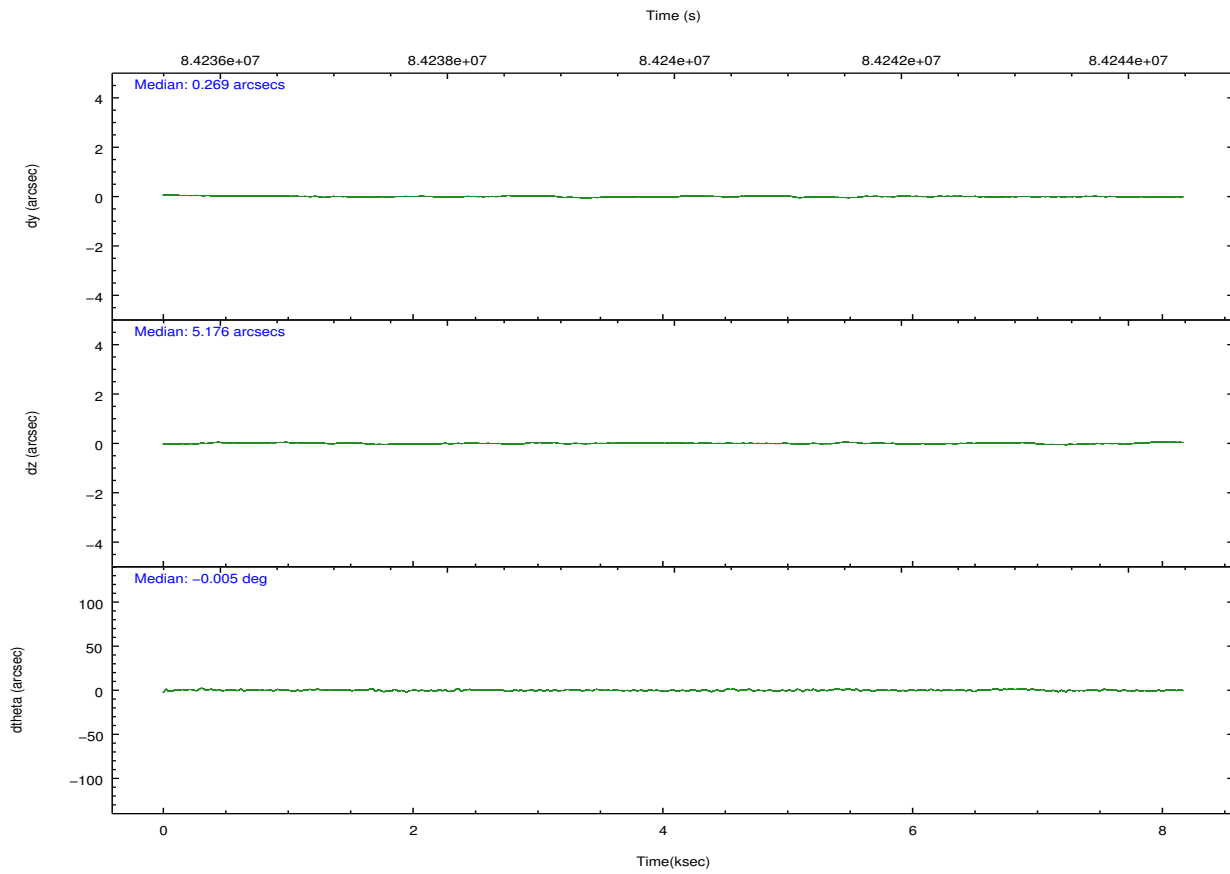
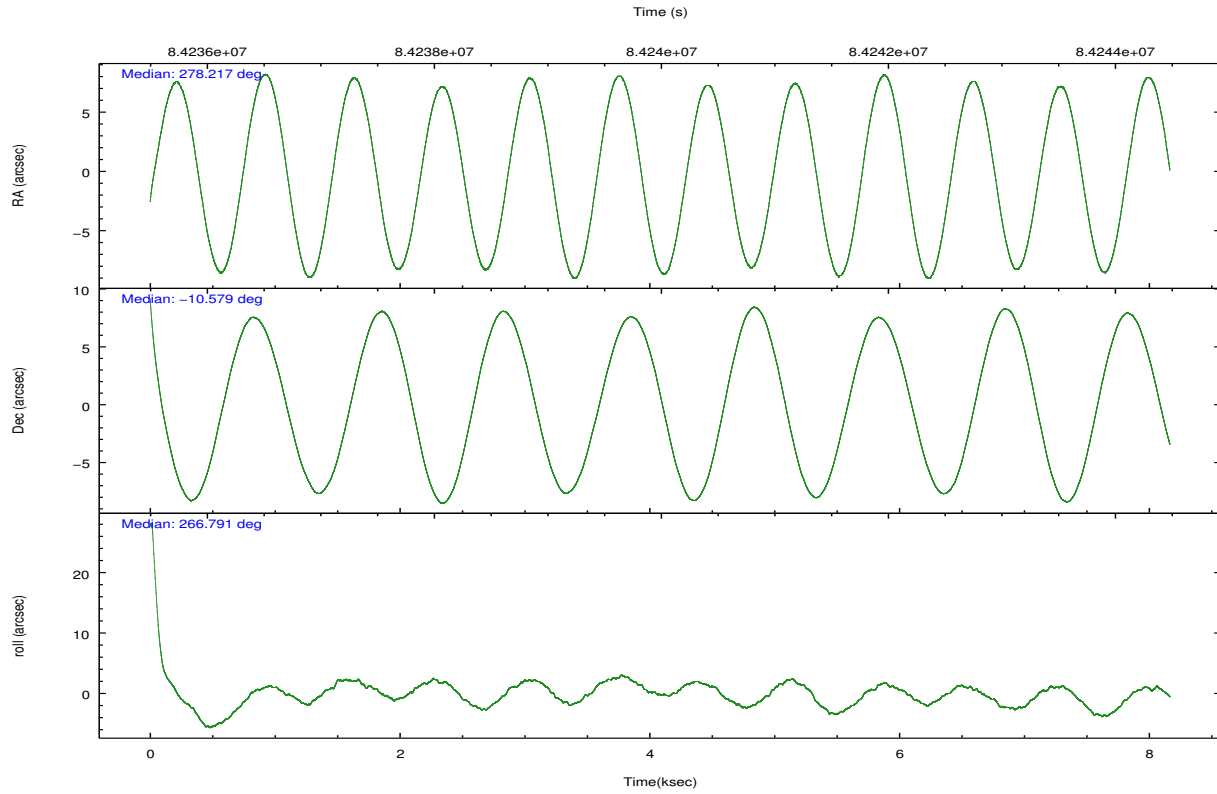
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46377	43577	49013	49685	50280	86624	grade 0 events	3353	2749	2501	2757	2596	8409
rejected events	39395	37302	43331	43837	44277	34917		7%	6%	5%	5%	5%	9%
rejected %	84%	85%	88%	88%	88%	40%	grade 1 events	16	28	22	16	26	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	1382	1210	1211	1132	1165	11732
								2%	2%	2%	2%	2%	13%
							grade 3 events	636	640	499	522	572	5452
								1%	1%	1%	1%	1%	6%
							grade 4 events	579	600	510	514	551	5361
								1%	1%	1%	1%	1%	6%
							grade 5 events	1658	1672	1658	1799	1953	5990
								3%	3%	3%	3%	3%	6%
							grade 6 events	1035	1079	961	924	1120	20773
								2%	2%	1%	1%	2%	23%
							grade 7 events	37718	35599	41651	42021	42297	28822
								81%	81%	84%	84%	84%	33%

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	278.204593	278.2172122742093	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.555071	-10.57967829429142	Alternating exposures requested	N	N
[deg] Pointing Roll	266.589099	266.8001388313938	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-216.595463	-216.5931773375846			
[mm] SIM translation stage offset	-16.997	-16.99927566534504			
[s] Observation start time (MET)	84236068.184000	84235048.69215401			
Observation start date	2000-09-01T22:53:24	2000-09-01T22:37:28			
[s] Observation end time (MET)	84244068.184000	84244214.754998			
Observation end date	2000-09-02T01:06:44	2000-09-02T01:10:14			
Read mode	TIMED	TIMED			

2.3 Aspect



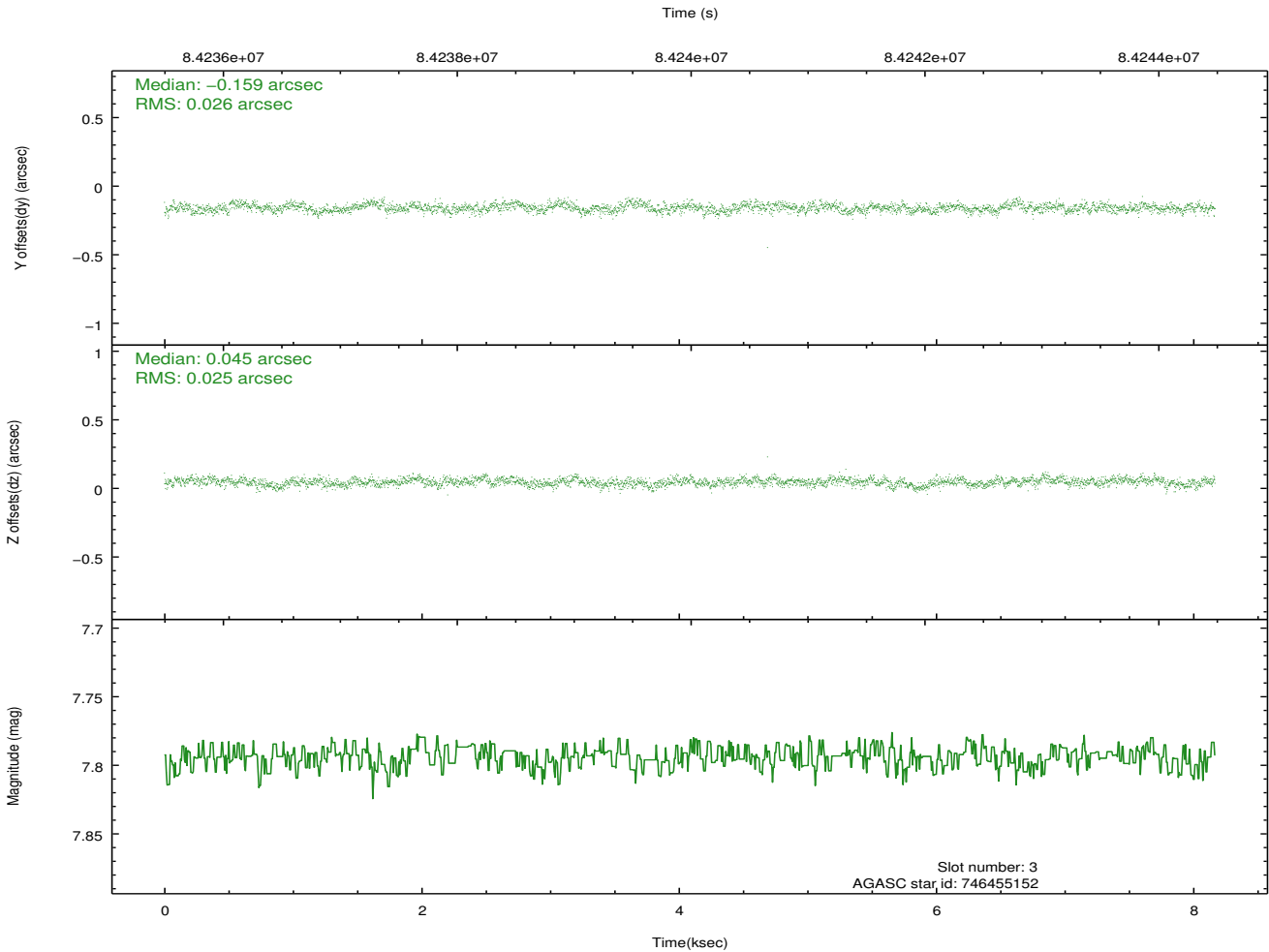
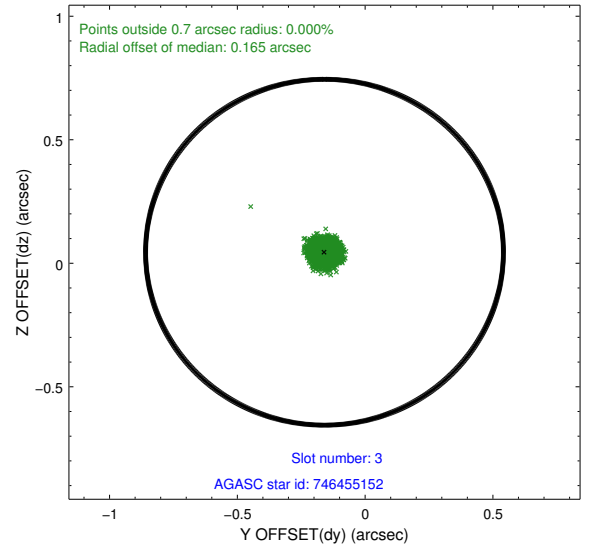
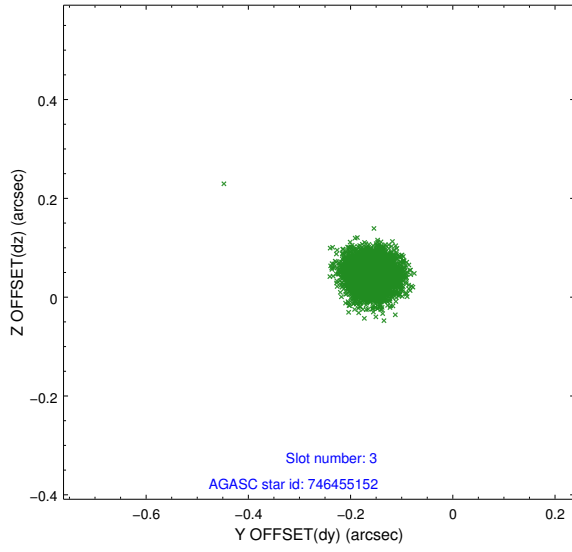


Slot Statistics

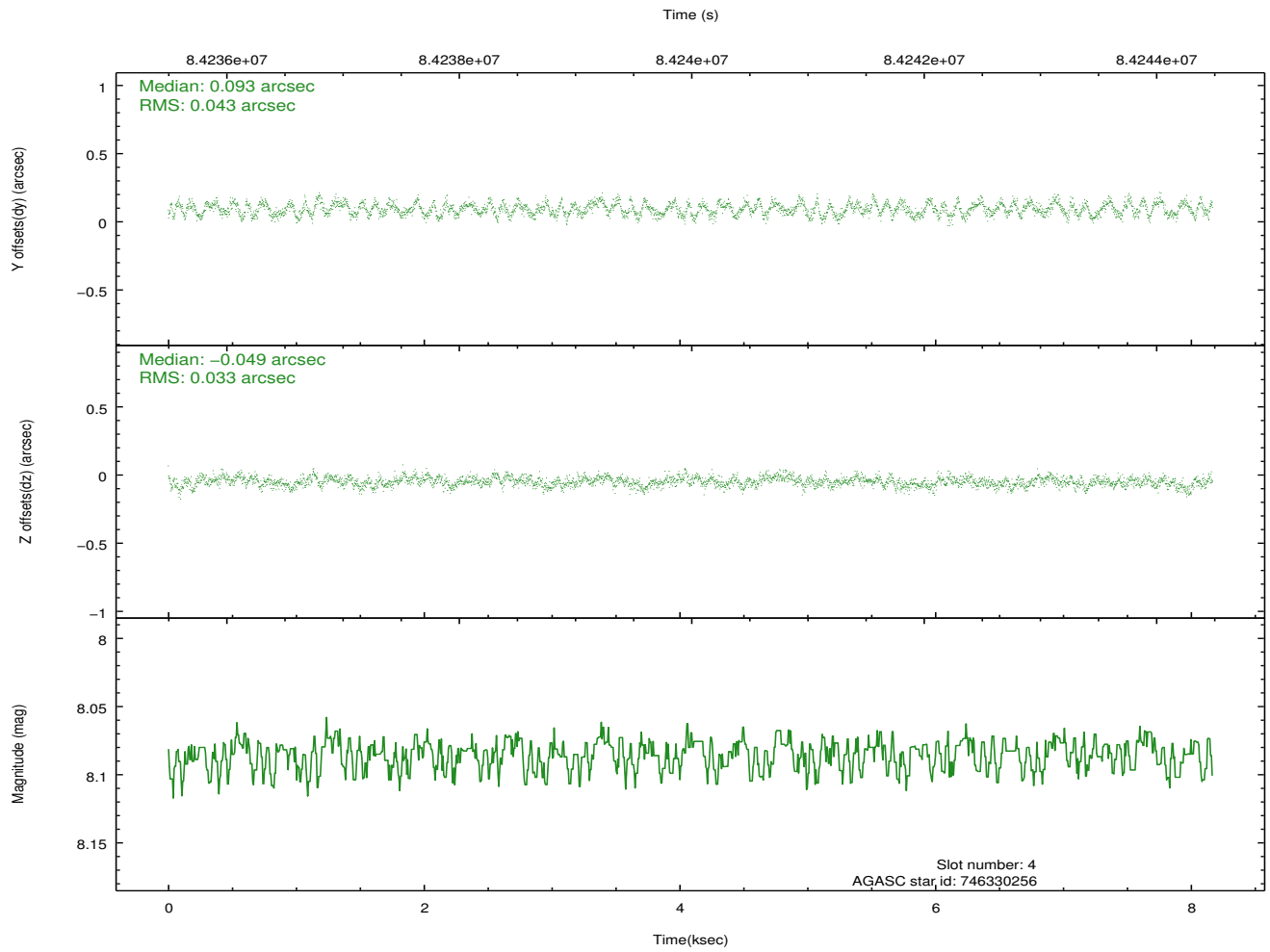
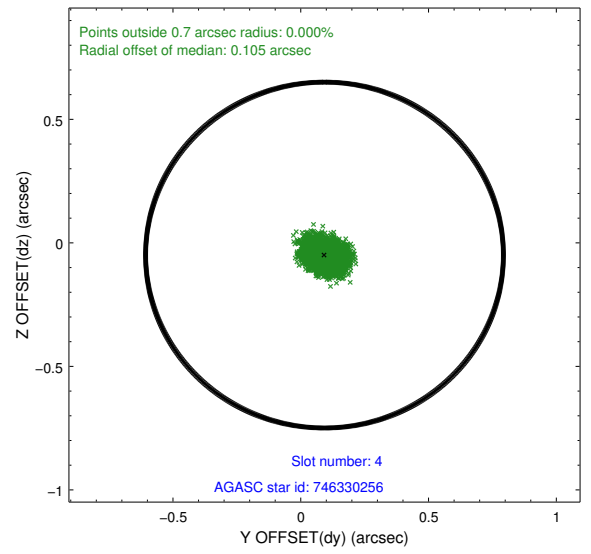
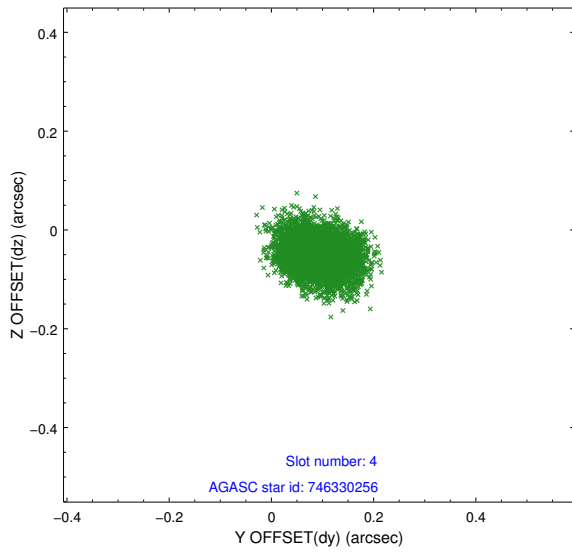
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.19	1992	0.028	-0.159	0.008	0.012	0.000000	0.000000	-755.70	-1182.11
1	FID	ACIS-I-4	7.18	1991	-0.069	0.041	0.006	0.011	0.000000	0.000000	2157.80	723.87
2	FID	ACIS-I-5	7.22	1992	-0.061	0.187	0.008	0.014	0.000000	0.000000	-1807.92	720.40
3	GUIDE	746455152	7.79	3984	-0.159	0.045	0.038	0.062	278.447893	-9.976732	-2128.93	737.45
4	GUIDE	746330256	8.09	3984	0.093	-0.049	0.058	0.091	277.634401	-10.863955	1232.40	-1945.30
5	GUIDE	746462456	8.39	3984	-0.045	0.197	0.064	0.099	278.652171	-10.530173	-181.81	1576.23
6	GUIDE	746455112	8.92	3979	0.195	-0.296	0.071	0.124	278.266531	-10.703234	520.21	251.15
7	GUIDE	746460272	8.94	3981	-0.078	0.100	0.089	0.149	278.847488	-10.152127	-1580.96	2188.41

2.4 Star Slots

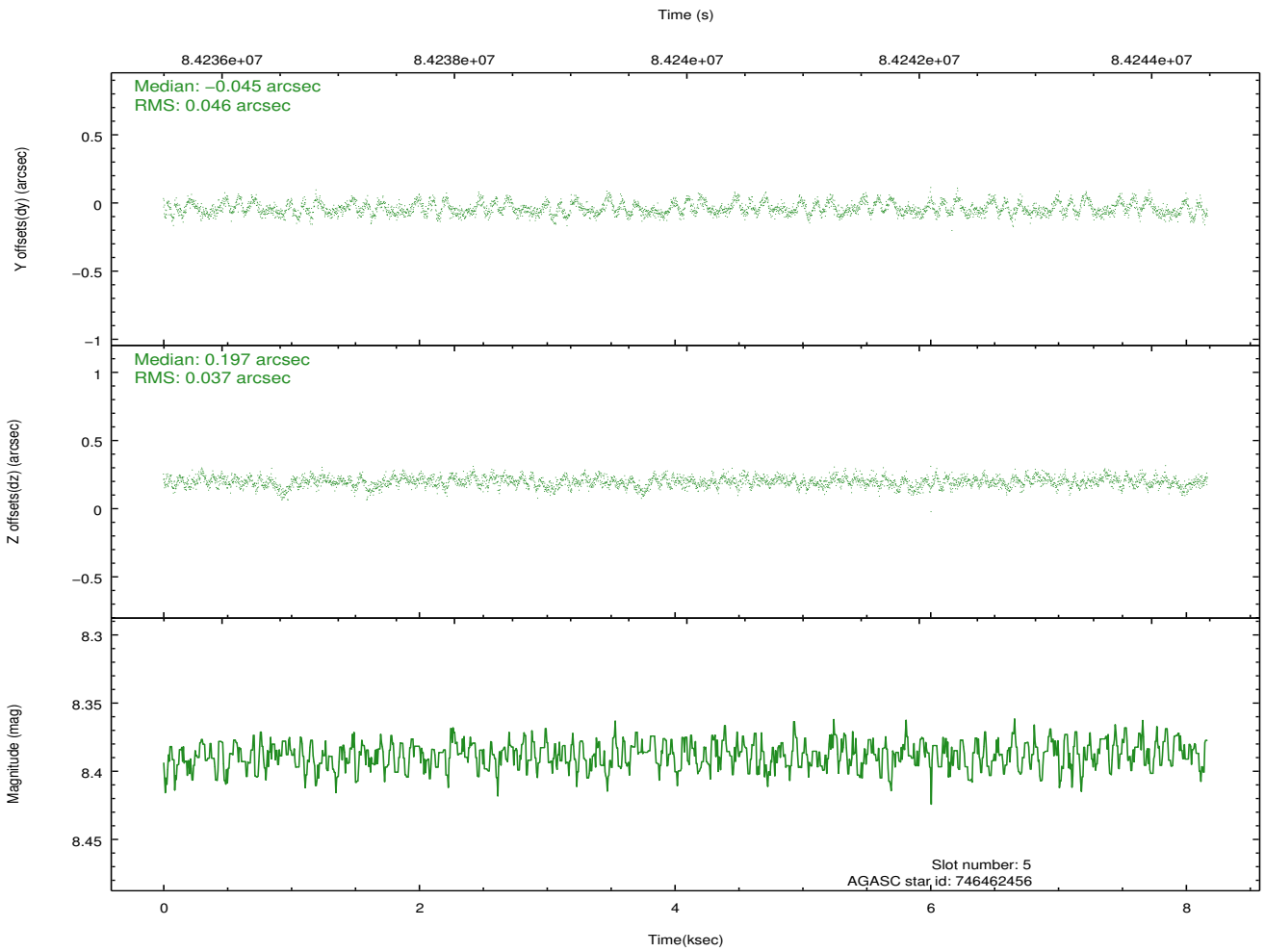
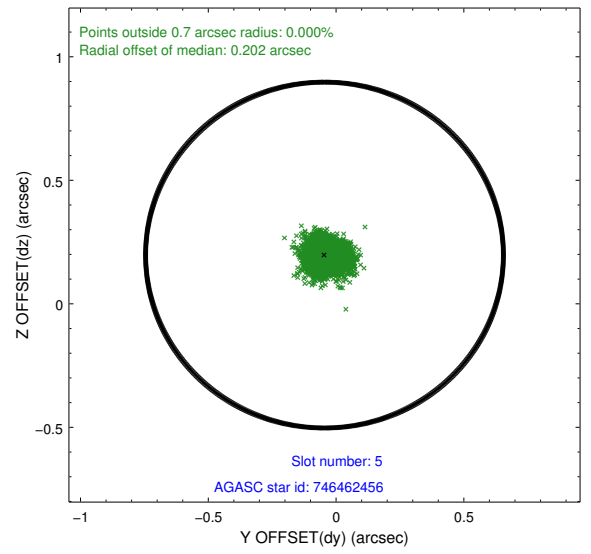
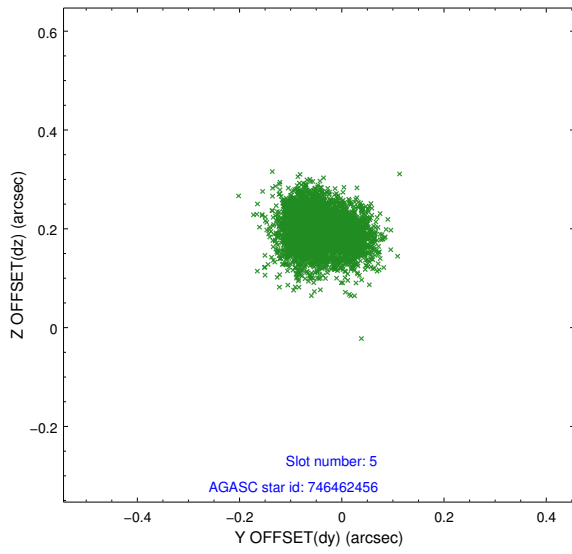
2.4.1 Slot 3



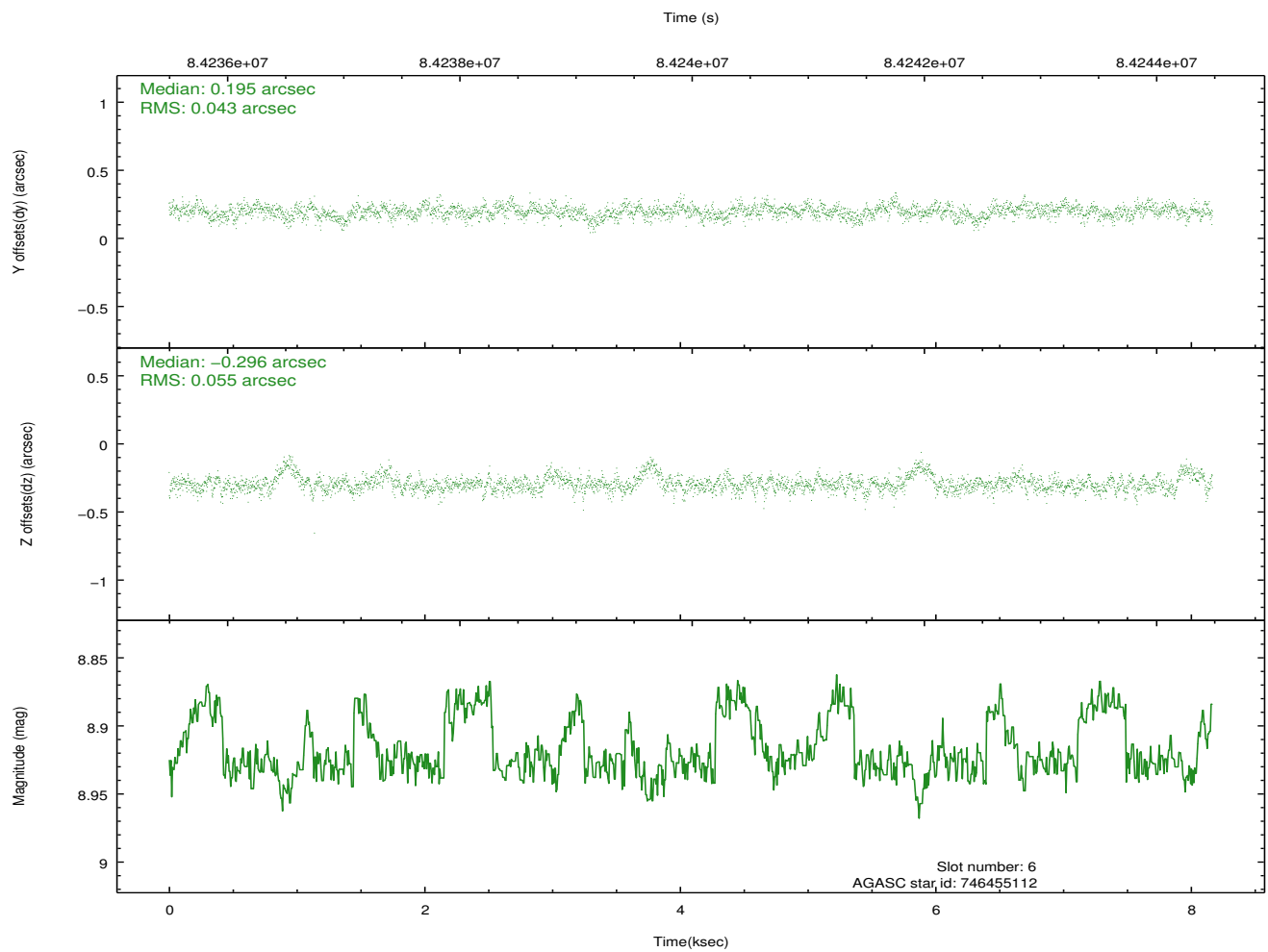
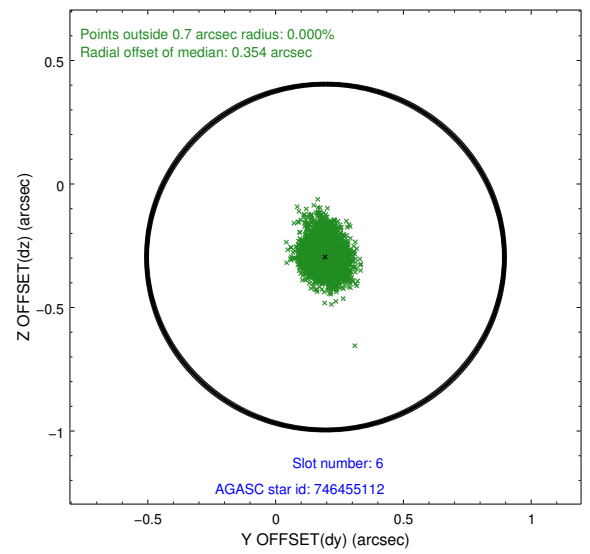
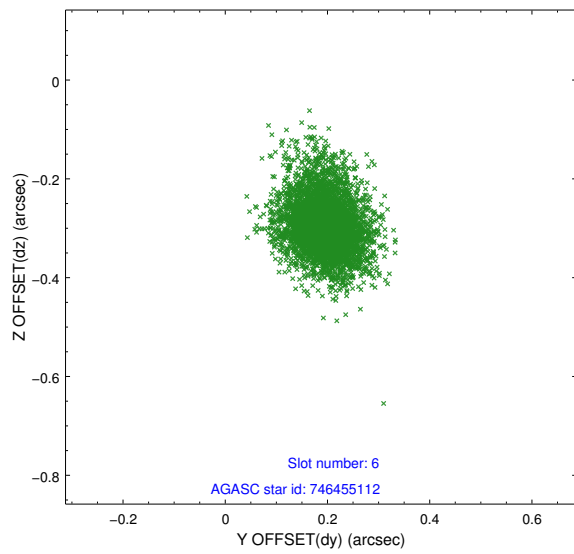
2.4.2 Slot 4



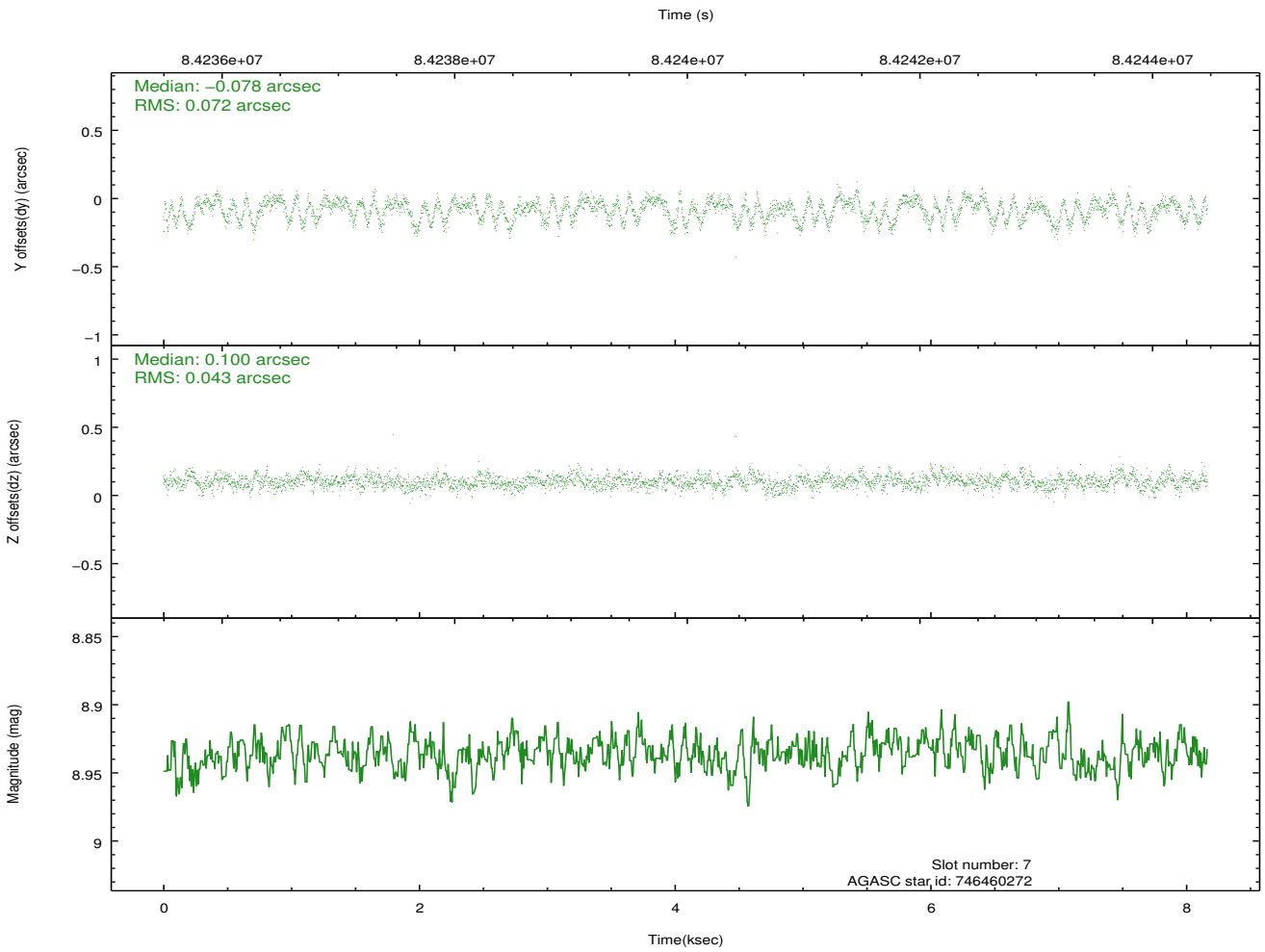
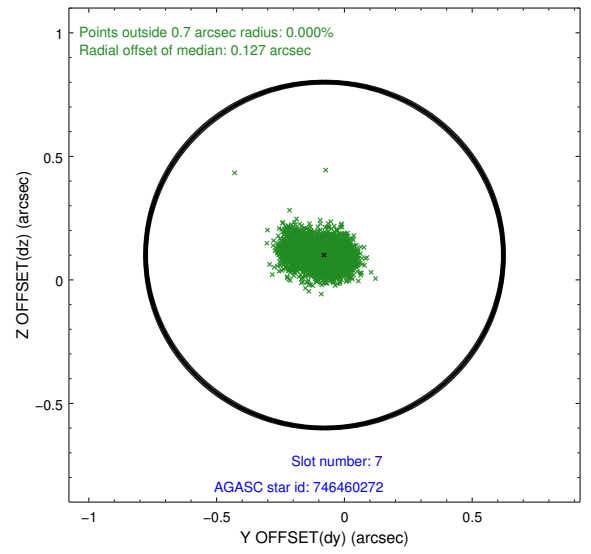
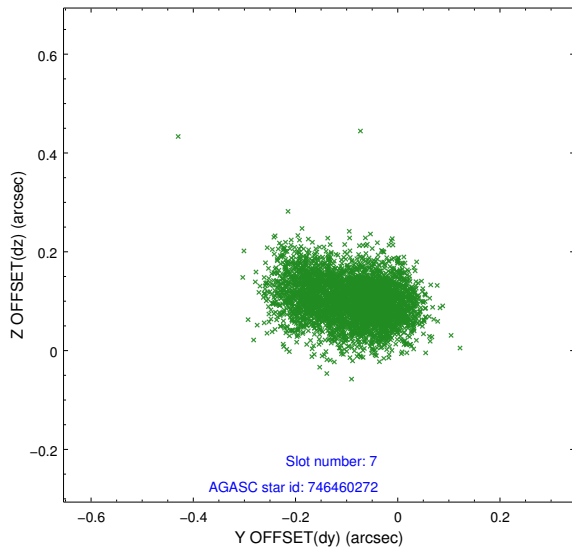
2.4.3 Slot 5



2.4.4 Slot 6

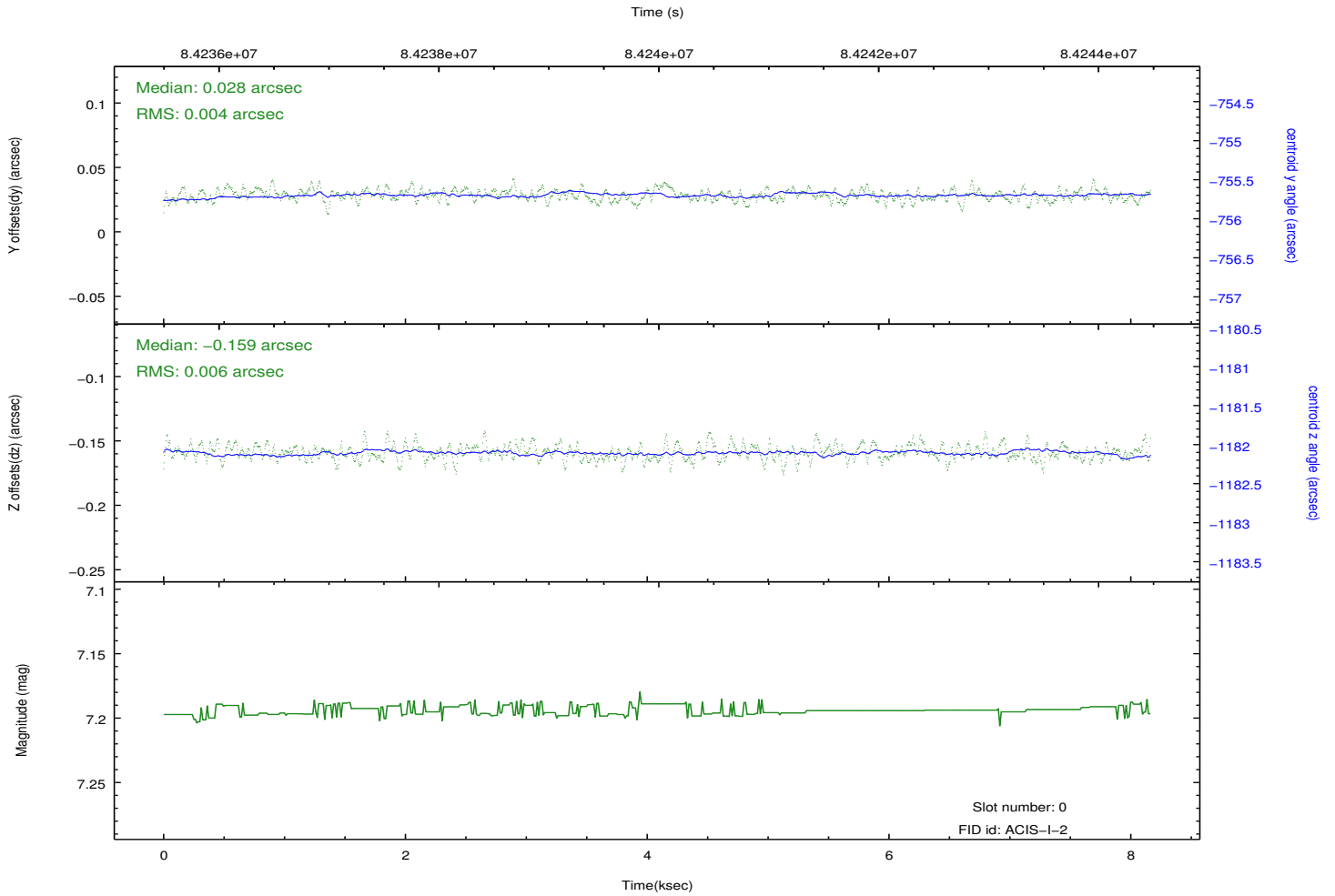
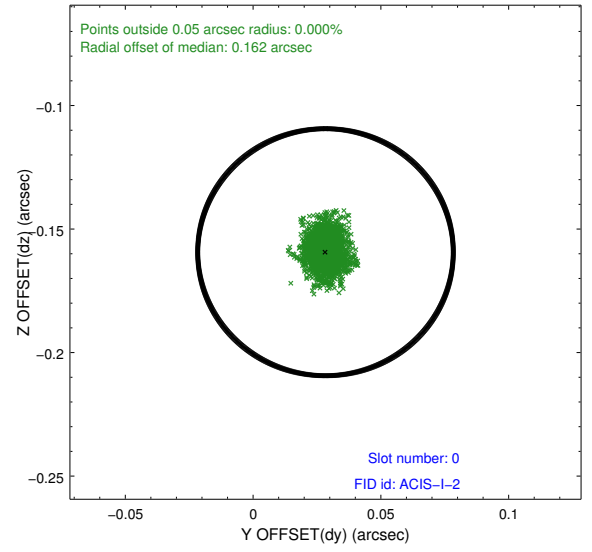
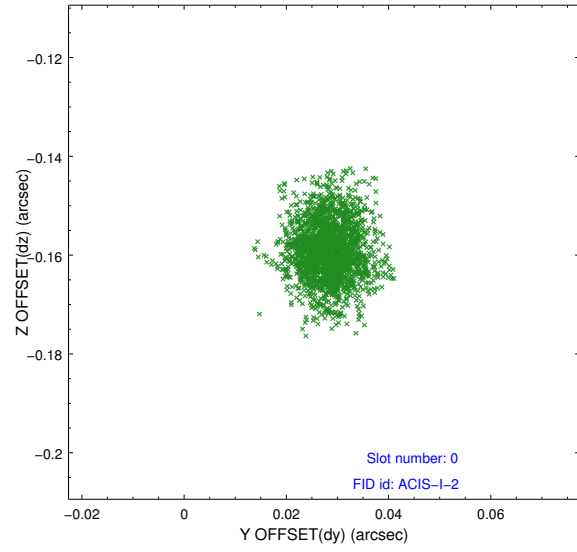


2.4.5 Slot 7

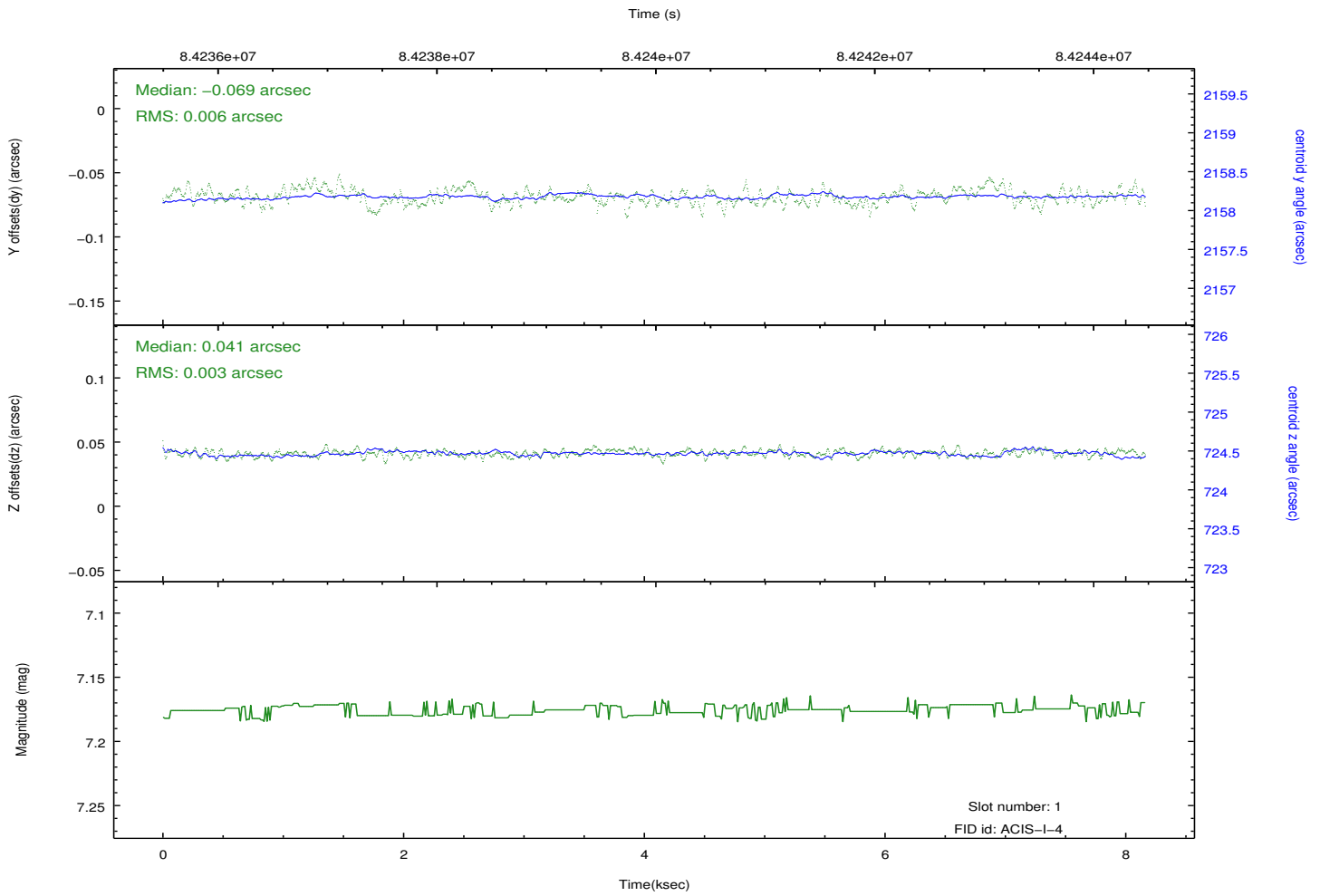
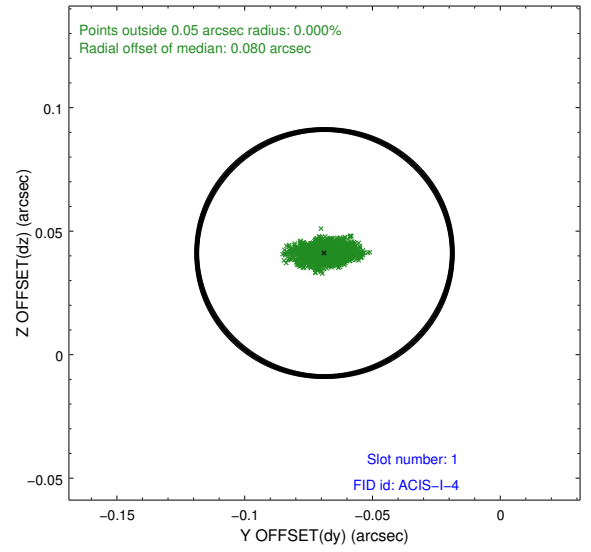
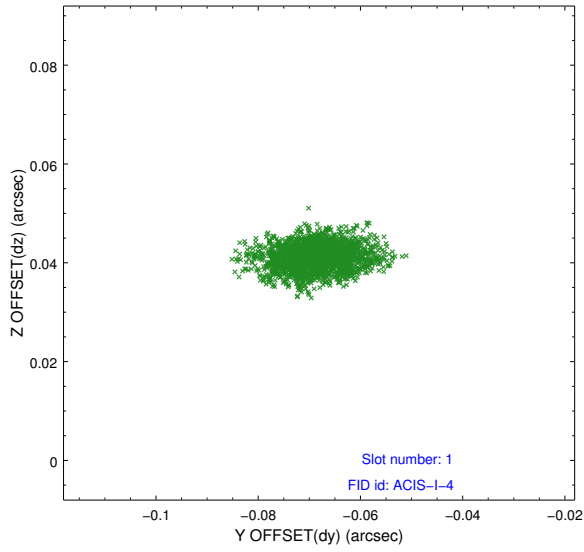


2.5 FID Slots

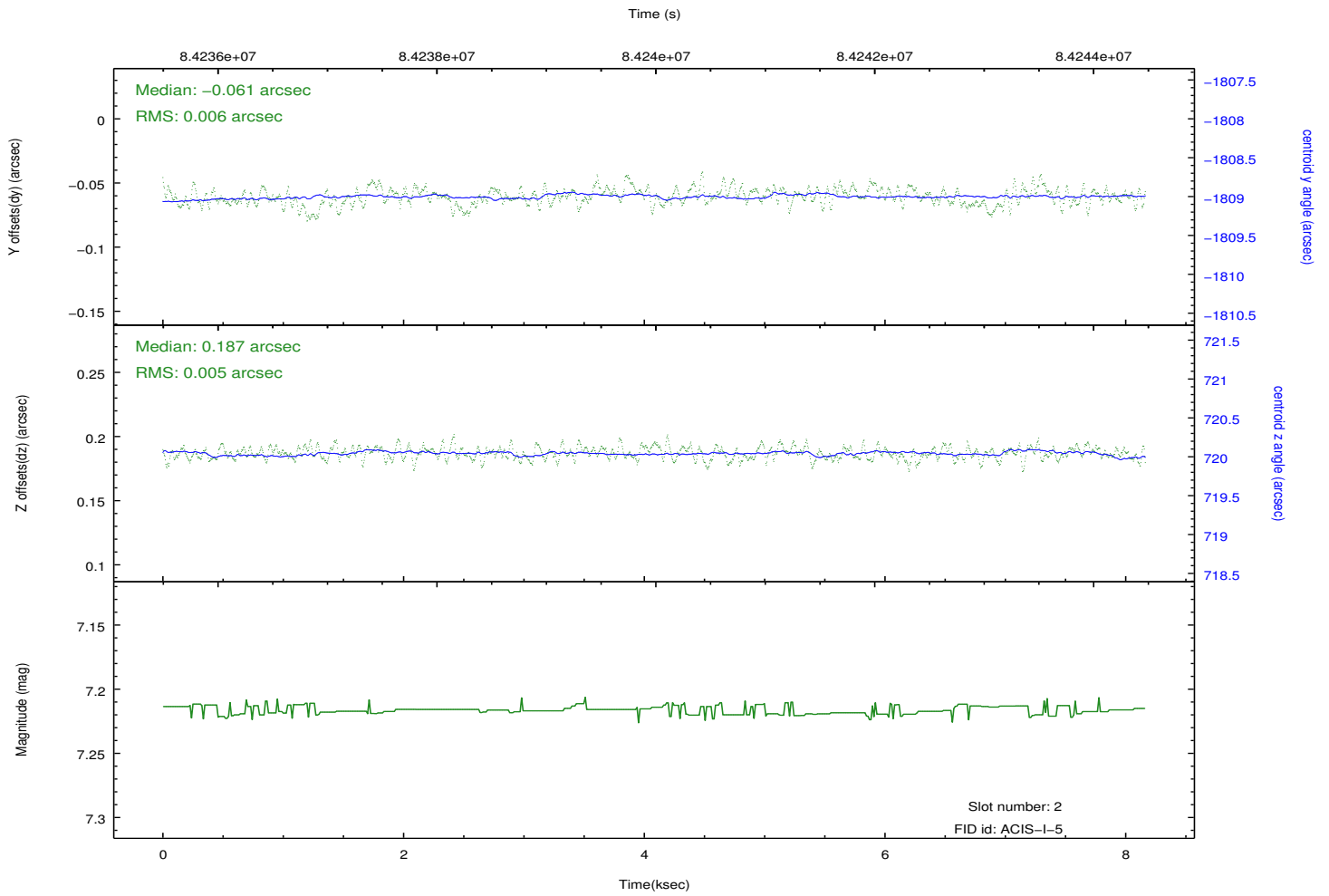
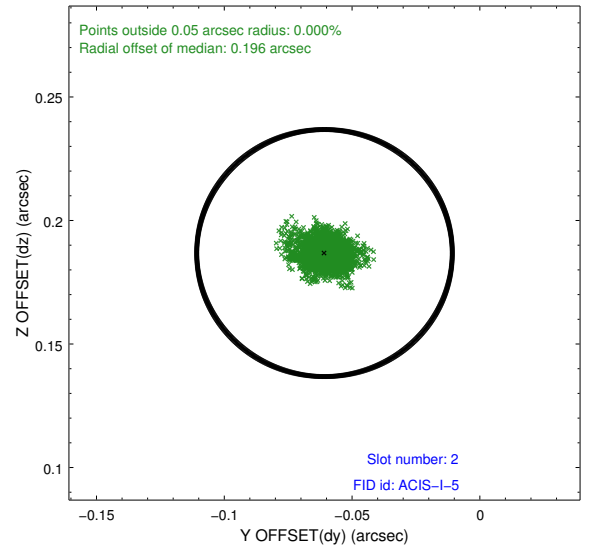
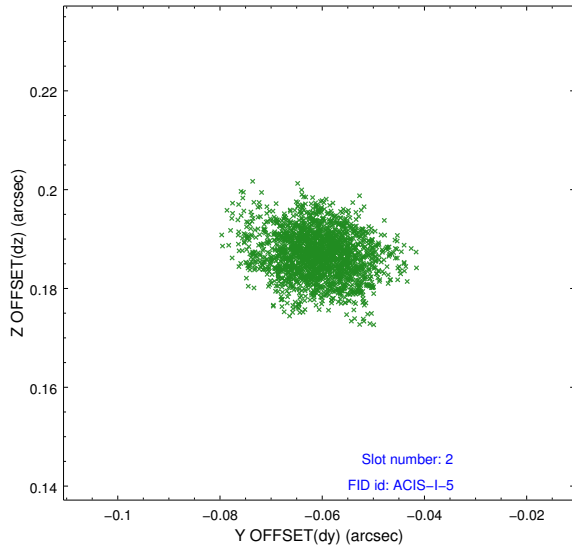
2.5.1 Slot 0



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)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.102

A.2 Comments