

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4600 - L2 Version 3
Chandra X-Ray Center

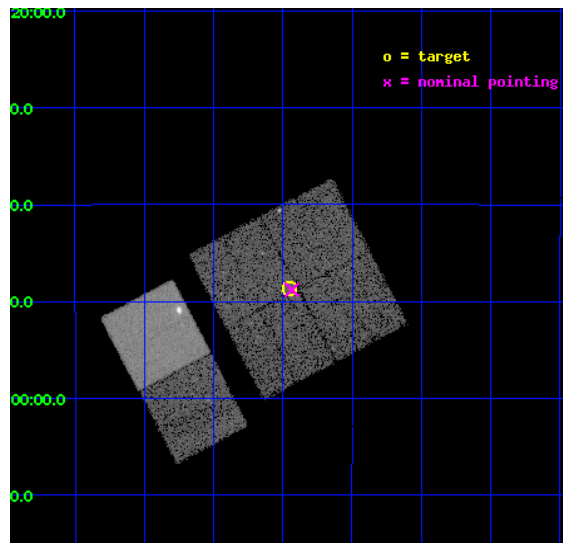
L2 Processing Date : Dec 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

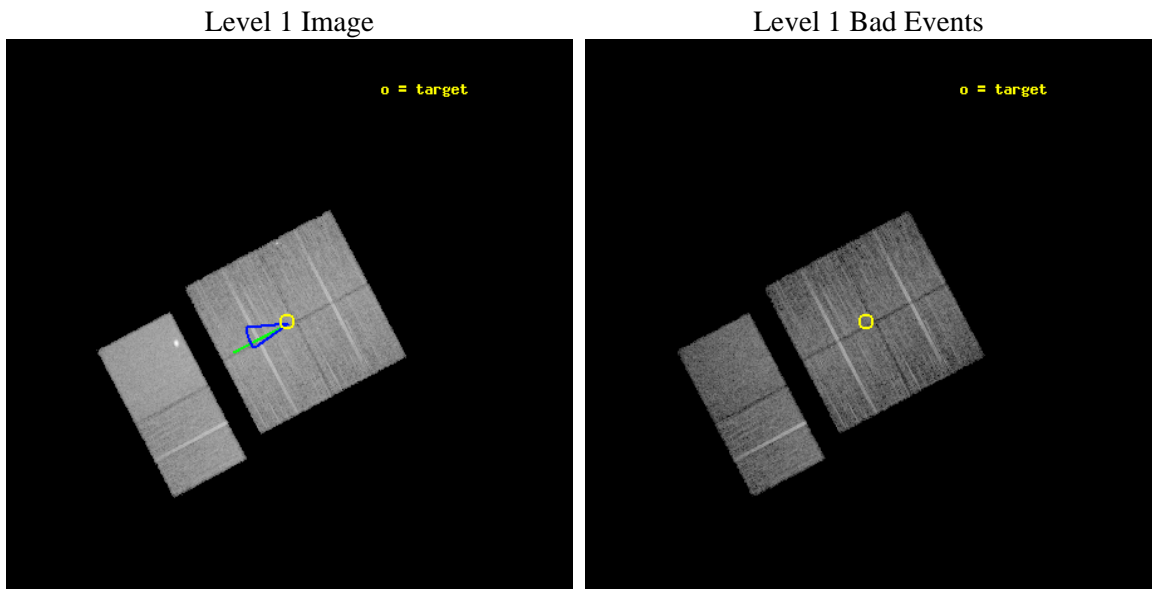
seq_num	500425	Sequence number
obs_id	4600	Observation id
title	Center-filled Supernova Remnant G16.85-1.05 and its surroundings	P
observer	Professor Gordon Garmire	Principal investigator
object	SNR G16.85-1.05	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.3625	Observer's specified target RA [deg]
dec_targ	-14.810556	Observer's specified target Dec [deg]
ra_nom	276.35879298568	Nominal RA [deg]
dec_nom	-14.813546164931	Nominal Dec [deg]
roll_nom	242.20773044435	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11177.59995836	Sum of GTIs [s]
liveltime	11036.062457345	Livetime [s]
ontime0	11177.59995836	Sum of GTIs [s]
ontime1	11177.59995836	Sum of GTIs [s]
ontime2	11177.59995836	Sum of GTIs [s]
ontime3	11177.59995836	Sum of GTIs [s]
ontime6	11177.59995836	Sum of GTIs [s]
ontime7	11177.59995836	Sum of GTIs [s]
l2events	100472	Number of level 2 events



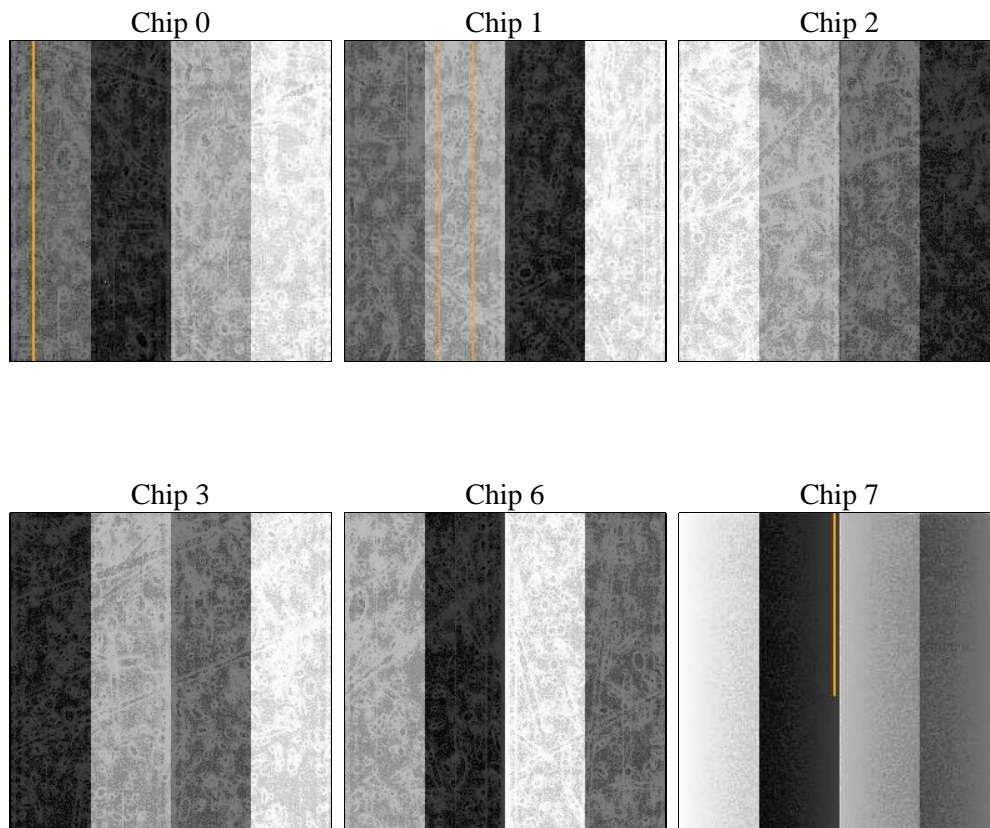
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11177.59995836	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	11177.59995836	Sum of GTIs [s]
date	2012-12-03T20:30:07	Date and time of file creation	ontime1	11177.59995836	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	11177.59995836	Sum of GTIs [s]
			ontime3	11177.59995836	Sum of GTIs [s]
			ontime6	11177.59995836	Sum of GTIs [s]
			ontime7	11177.59995836	Sum of GTIs [s]
			l1events	608785	Number of level 1 events

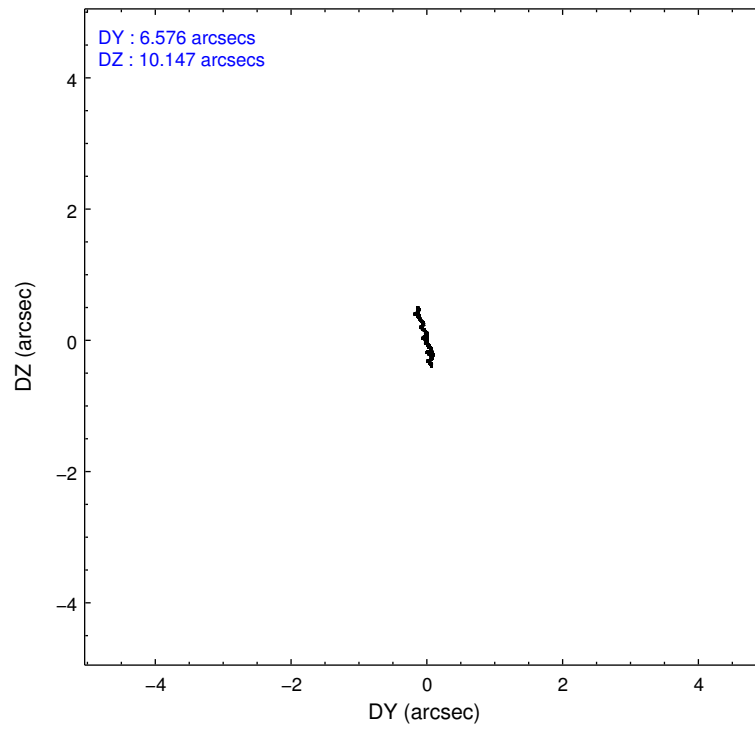
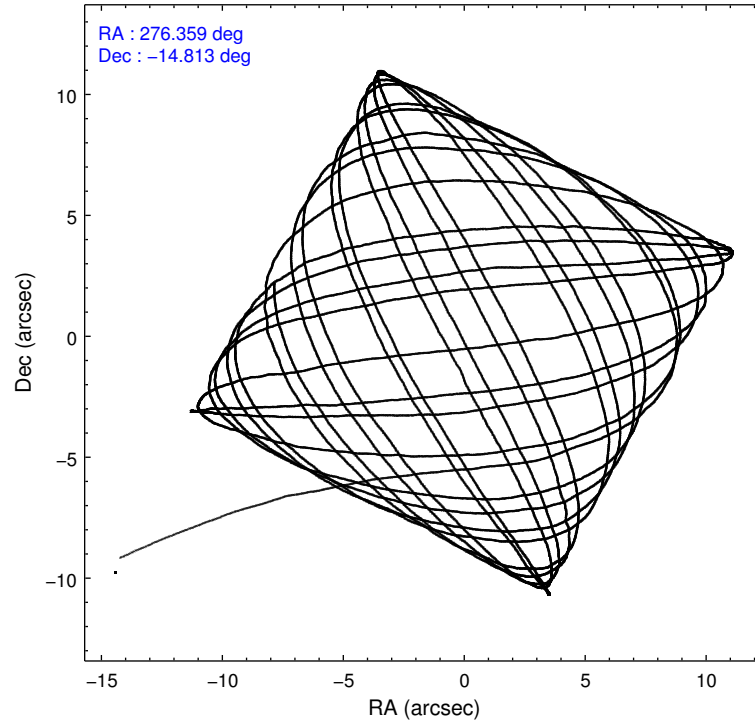
2.1.4 Events

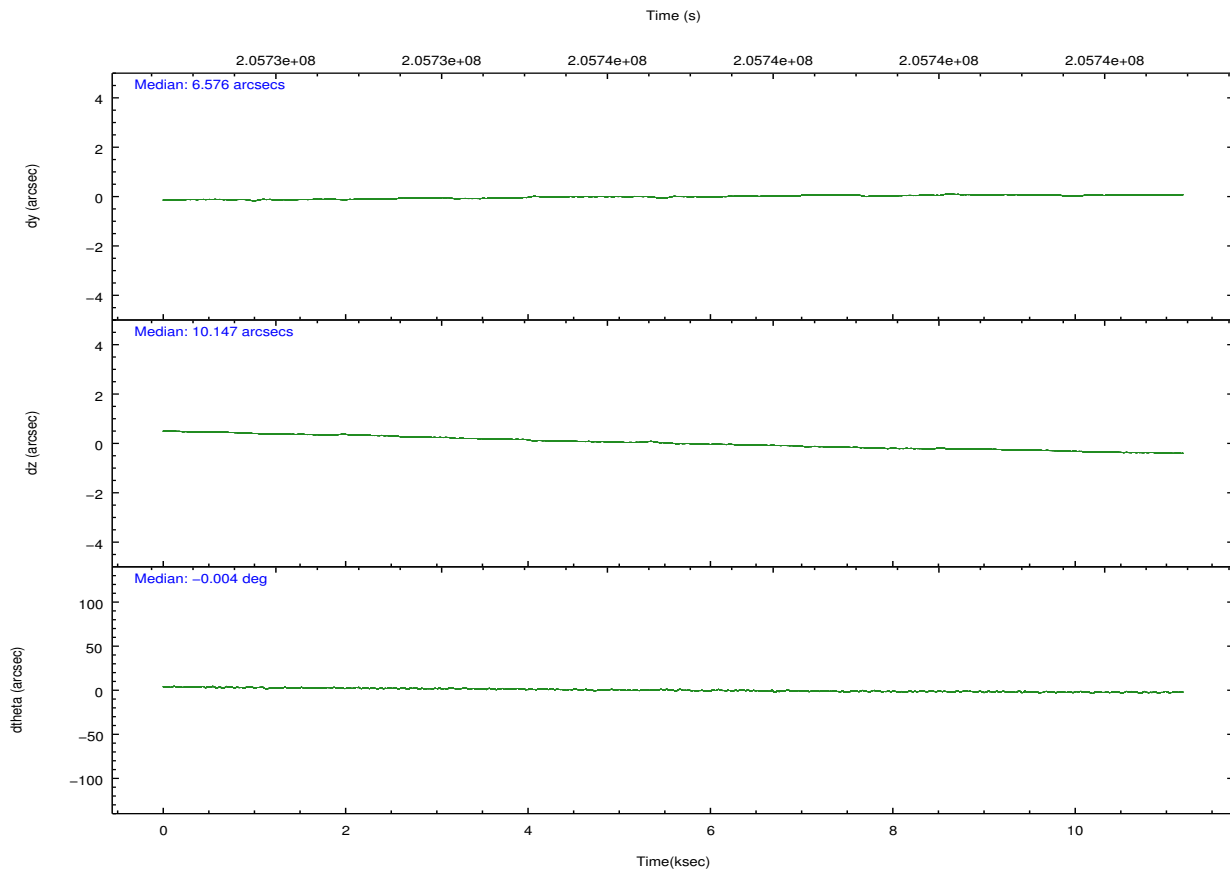
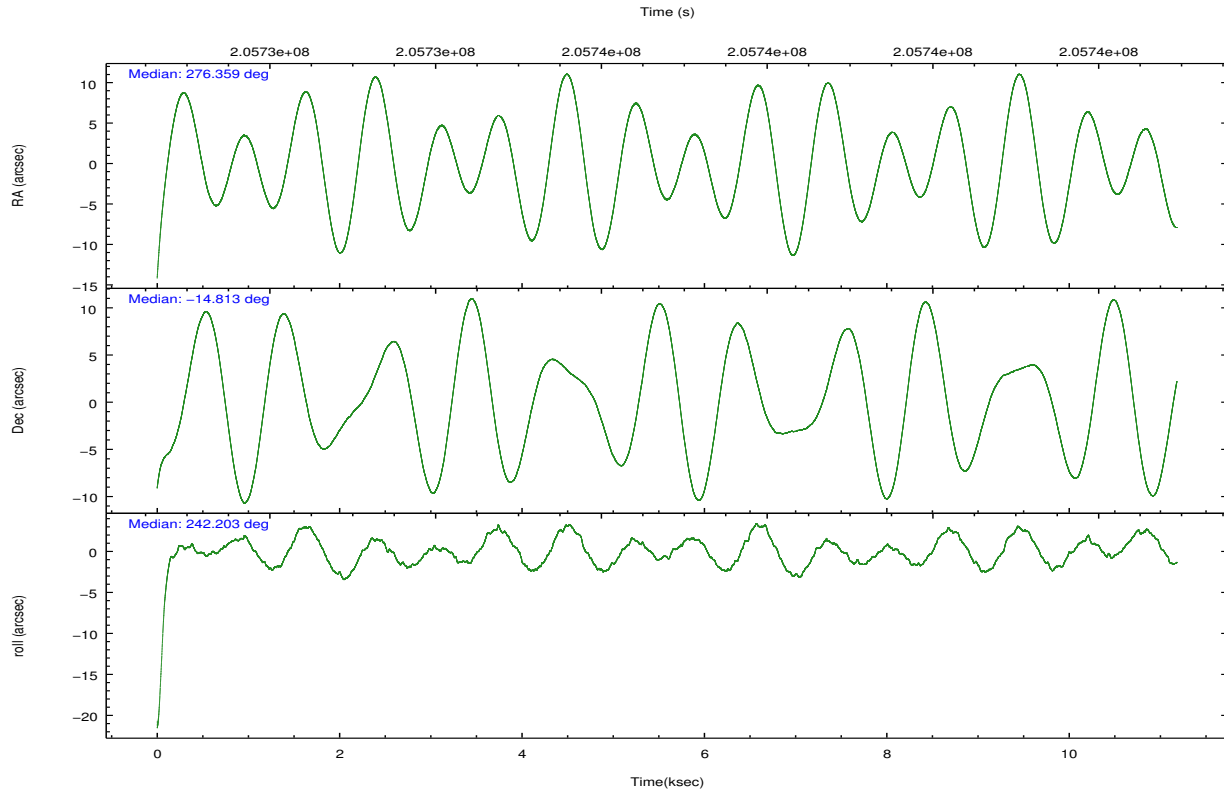
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	87730	91821	98864	96458	99728	134184	grade 0 events	5219	5395	5324	5651	5100	6450
rejected events	77084	80313	88572	85691	88724	79726		5%	5%	5%	5%	5%	4%
rejected %	87%	87%	89%	88%	88%	59%	grade 1 events	55	42	54	74	74	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	2430	2662	2277	2189	2589	12373
								2%	2%	2%	2%	2%	9%
							grade 3 events	1201	1248	1022	1132	1137	5431
								1%	1%	1%	1%	1%	4%
							grade 4 events	1080	1223	1046	1042	1102	5522
								1%	1%	1%	1%	1%	4%
							grade 5 events	3755	3961	3581	4149	4542	12370
								4%	4%	3%	4%	4%	9%
							grade 6 events	1985	2276	1774	1922	2282	30154
								2%	2%	1%	1%	2%	22%
							grade 7 events	72005	75014	83786	80299	82902	61758
								82%	81%	84%	83%	83%	46%

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	276.357581	276.3587929856753	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.786127	-14.81354616493121	Alternating exposures requested	N	N
[deg] Pointing Roll	241.998752	242.2077304443485	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	250.000000	250.000000			
[deg] Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	N	N			
[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)	205731381.184000	205729679.74509			
Observation start date	2004-07-09T03:35:17	2004-07-09T03:07:59			
[s] Observation end time (MET)	205742381.184000	205743749.92071			
Observation end date	2004-07-09T06:38:37	2004-07-09T07:02:29			
Read mode	TIMED	TIMED			

2.3 Aspect





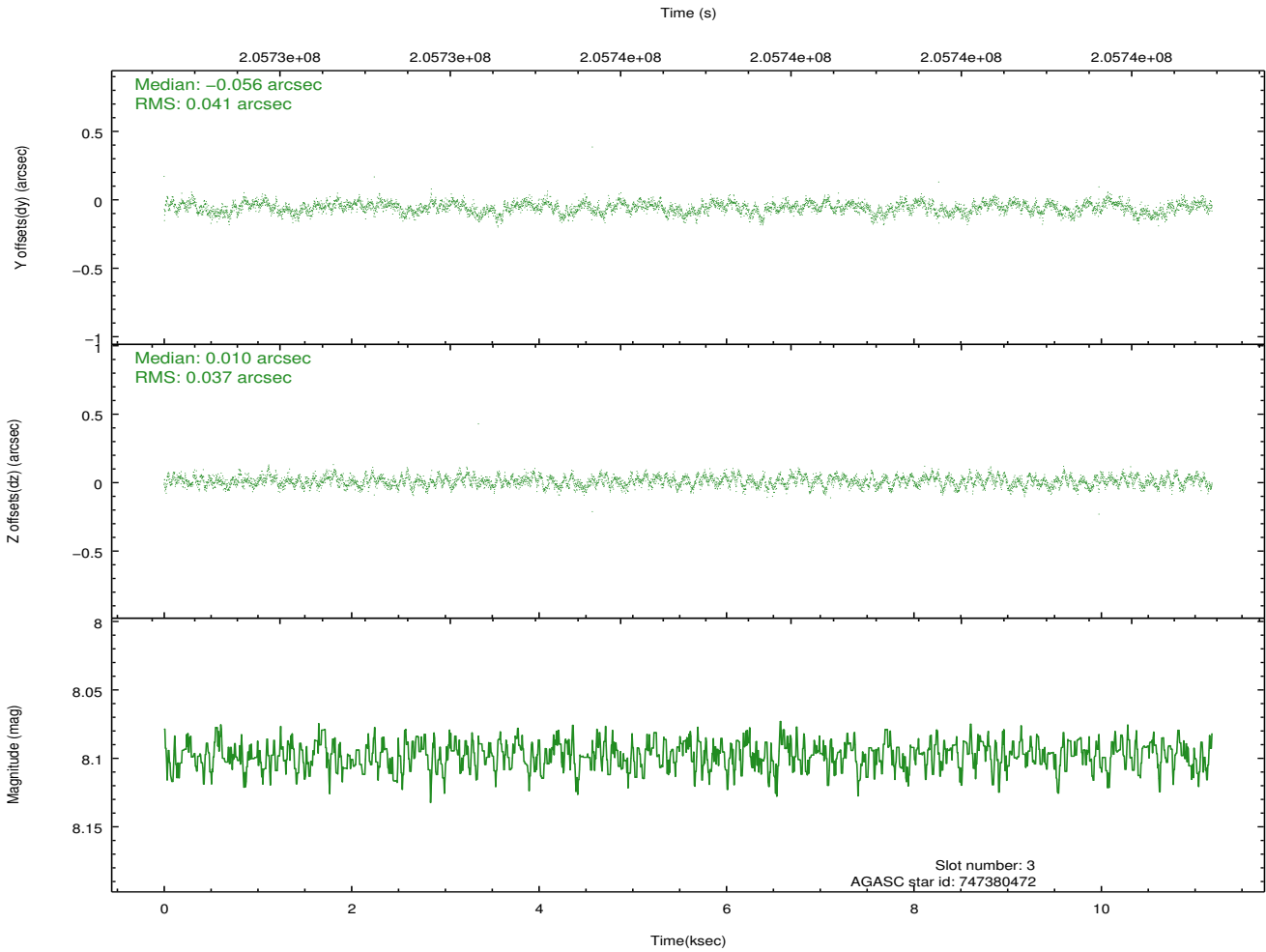
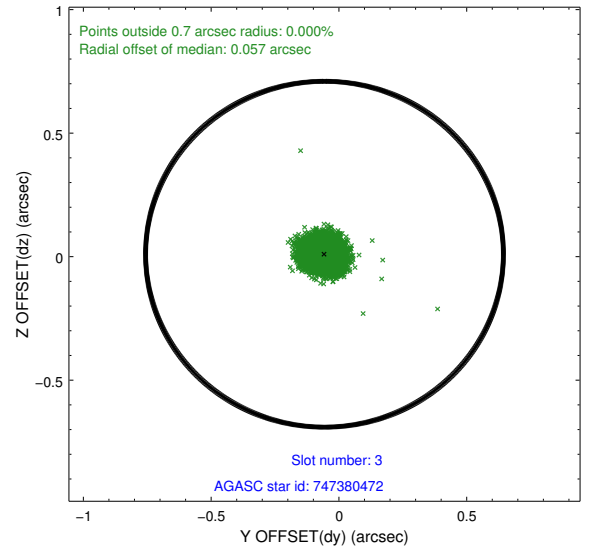
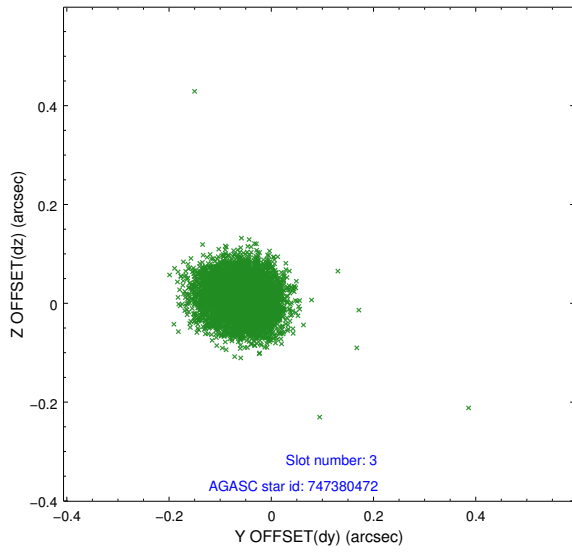
Slot Statistics

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	2728	0.029	-0.011	0.011	0.019	0.000000	0.000000	933.19	-833.63
1	FID	ACIS-I-5	7.23	2728	-0.038	0.081	0.018	0.028	0.000000	0.000000	-1814.79	1063.64
2	FID	ACIS-I-6	7.24	2727	-0.081	0.000	0.019	0.030	0.000000	0.000000	398.05	1708.65
3	GUIDE	747380472	8.10	5454	-0.056	0.010	0.059	0.093	276.808218	-14.697222	-1017.99	1235.87
4	GUIDE	747394680	7.46	5453	-0.044	0.000	0.058	0.089	276.275759	-14.649373	-300.90	-482.58
5	GUIDE	821297448	7.46	5456	-0.041	-0.136	0.053	0.087	276.406695	-15.152775	1085.28	770.22
6	GUIDE	821318160	7.74	5452	0.078	0.089	0.053	0.091	276.598709	-15.630197	2291.15	2165.45
7	GUIDE	747380456	8.61	5454	0.061	0.038	0.056	0.089	276.136187	-14.775528	329.14	-697.76

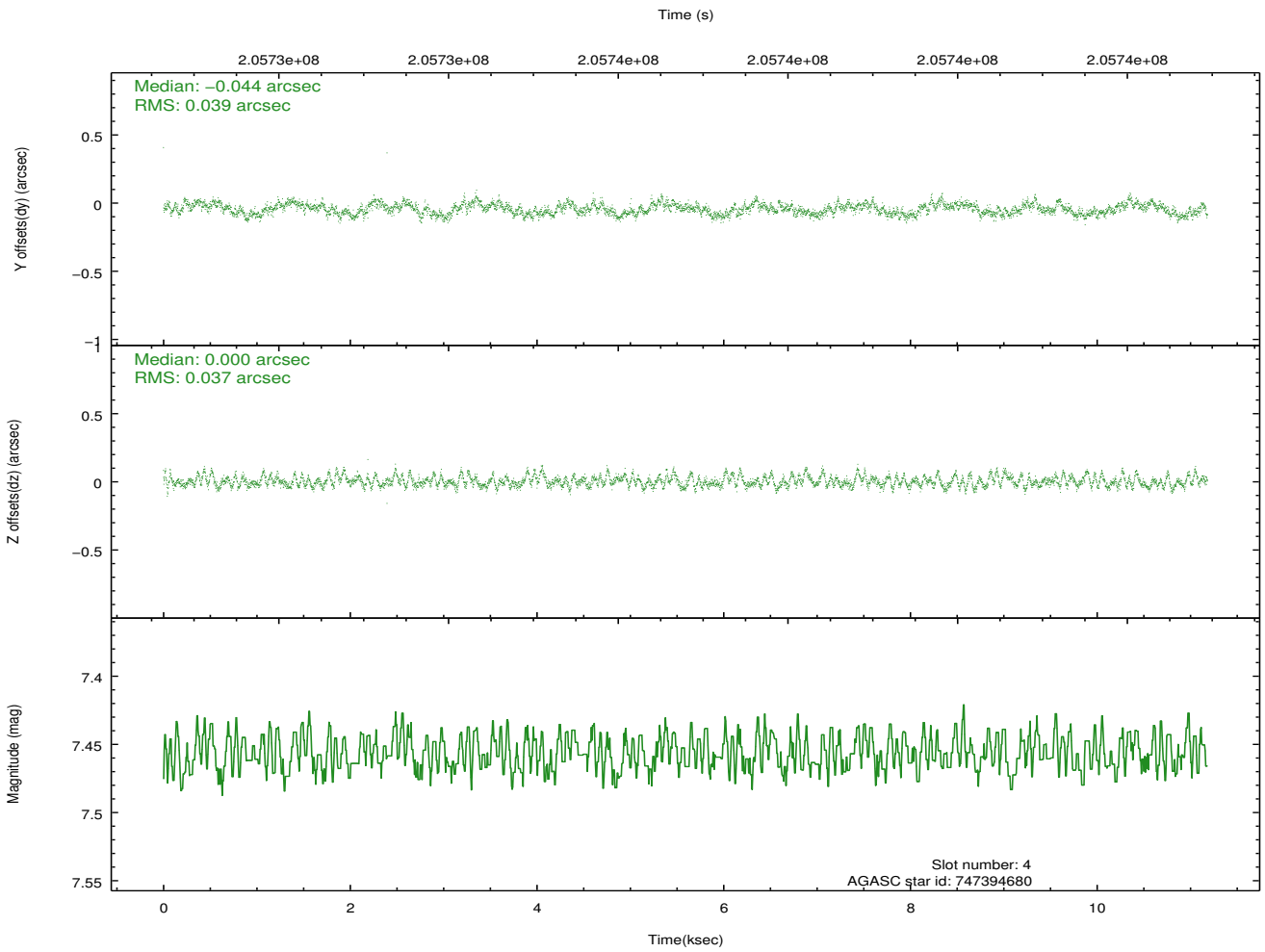
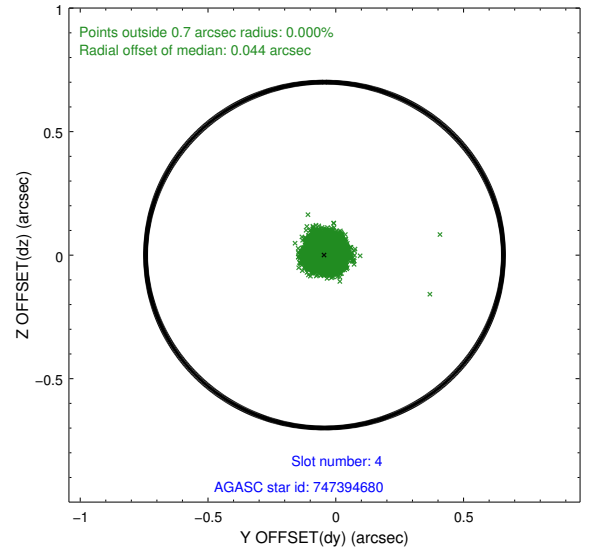
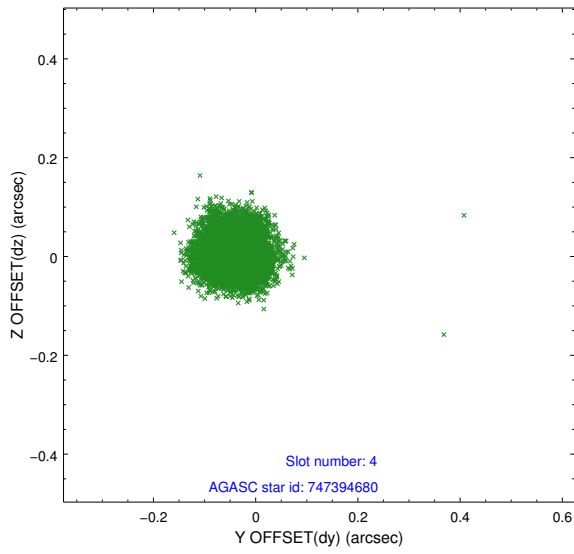
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2.4 Star Slots

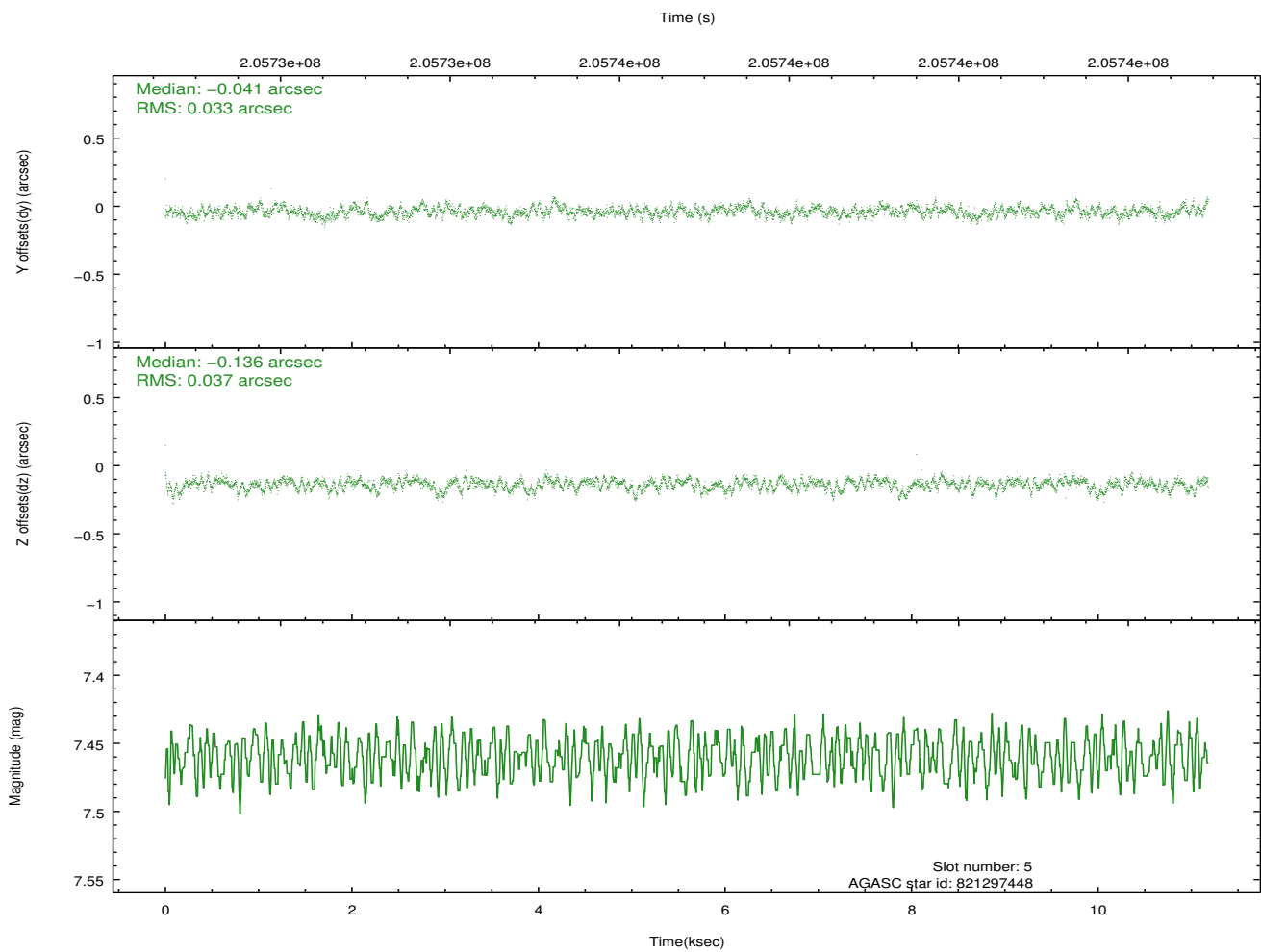
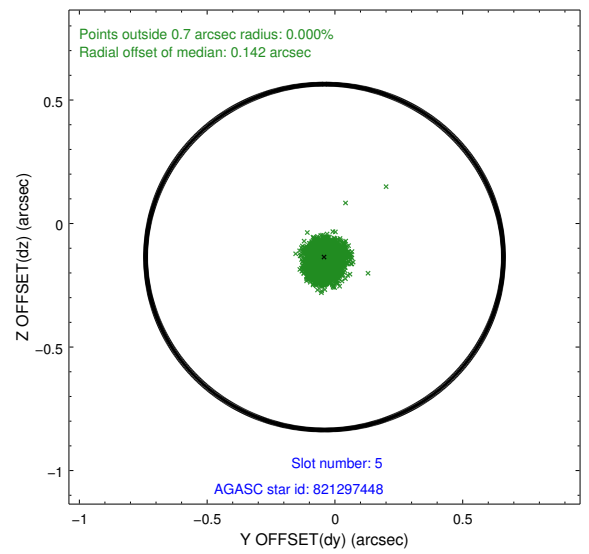
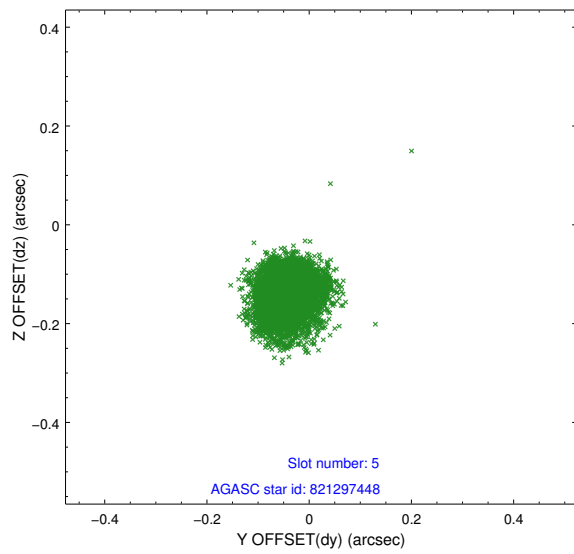
2.4.1 Slot 3



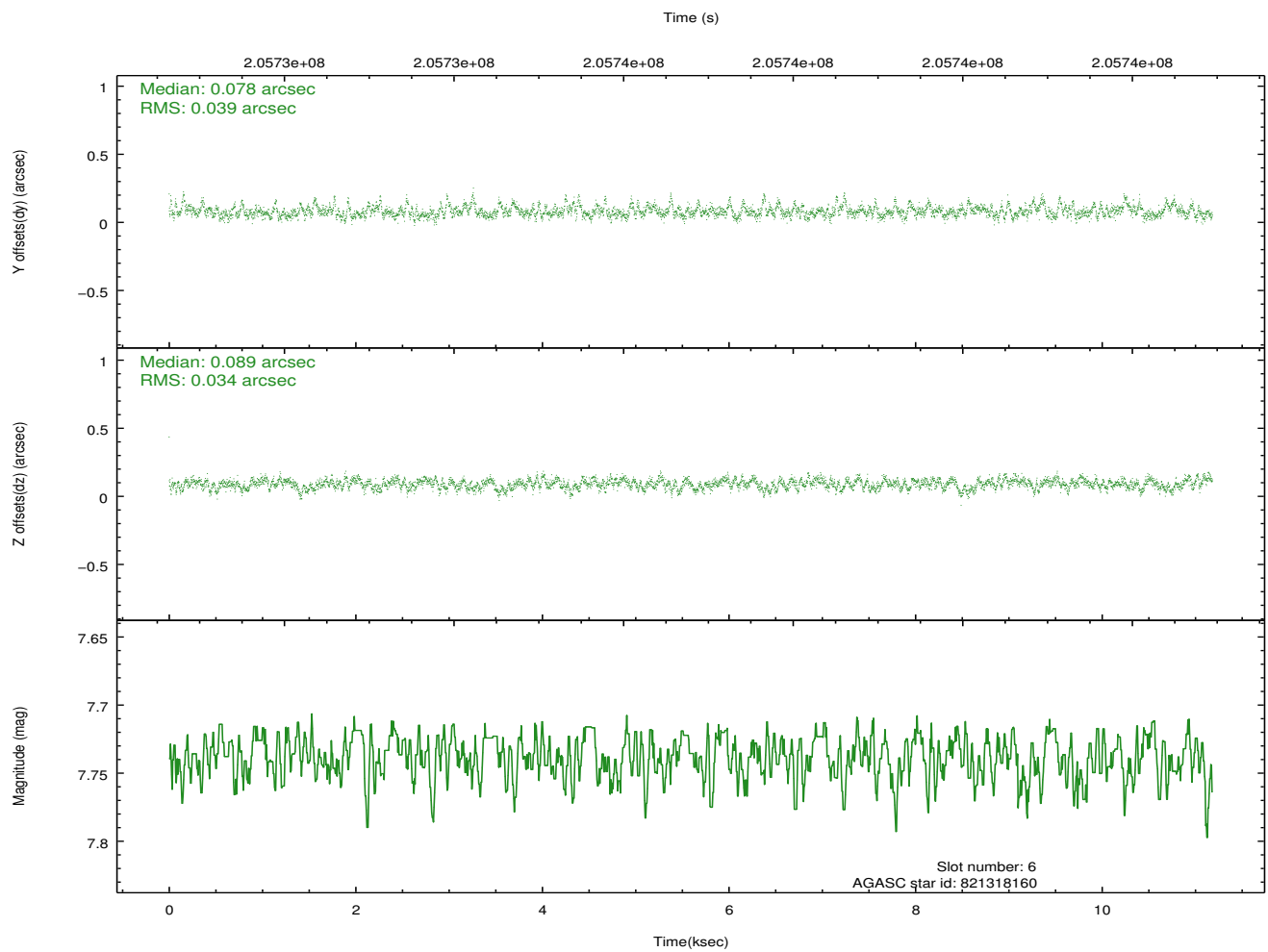
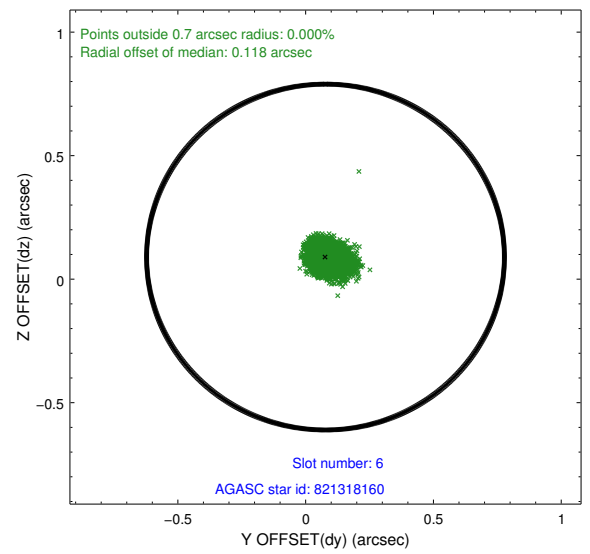
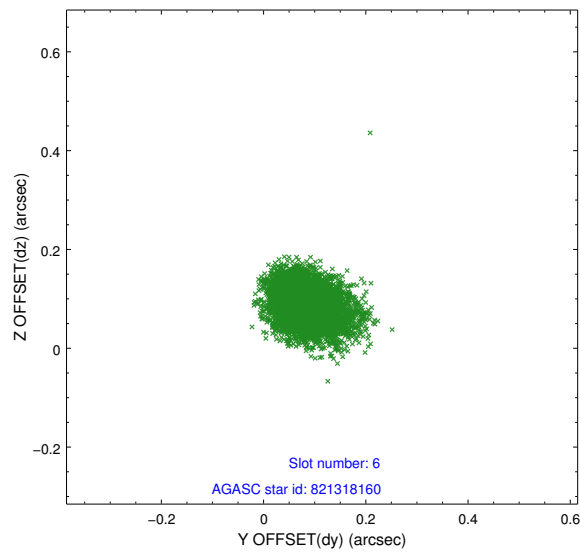
2.4.2 Slot 4



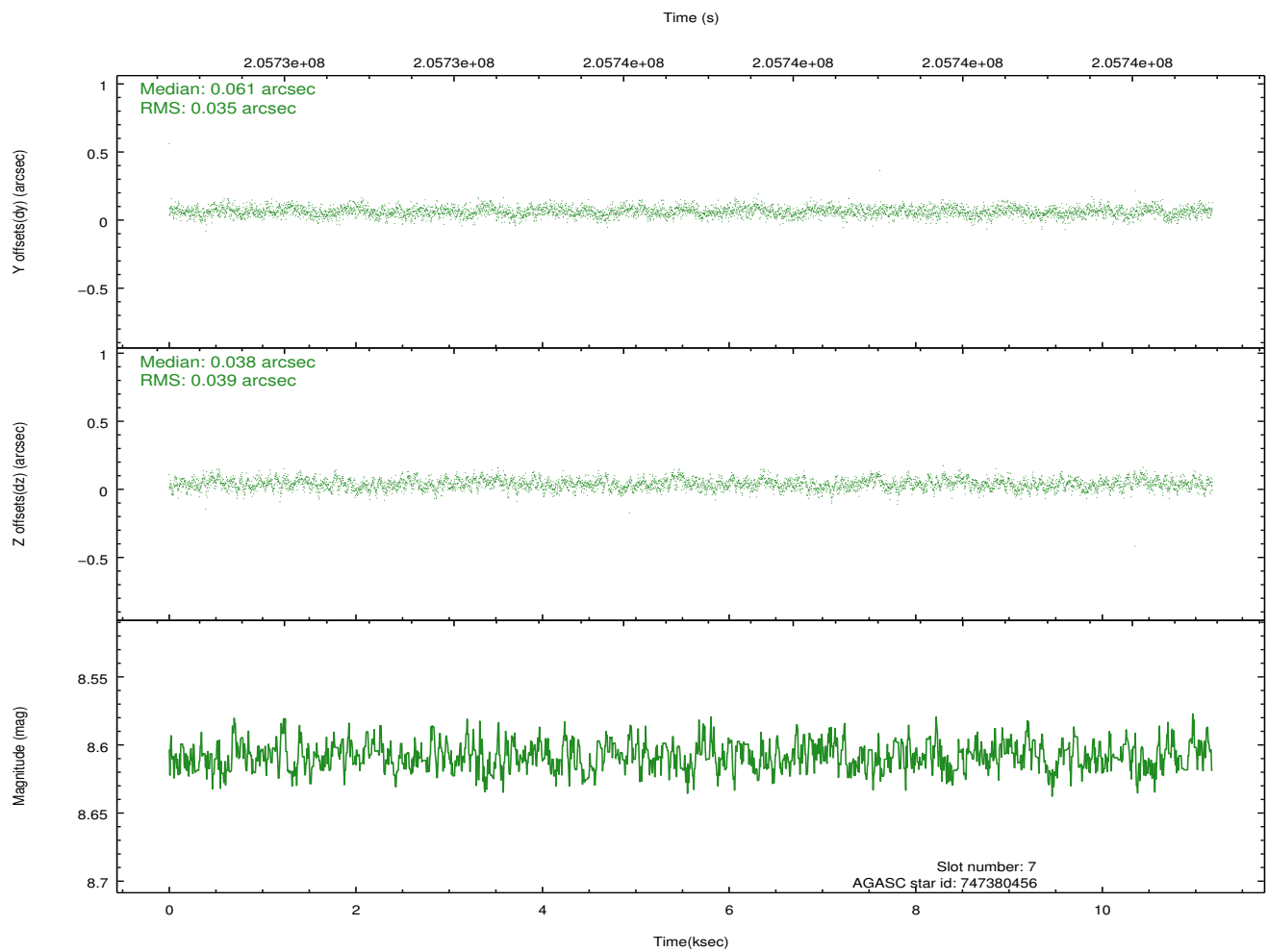
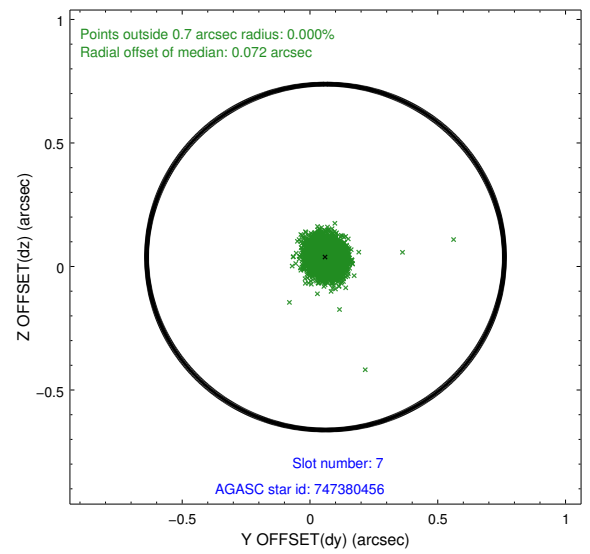
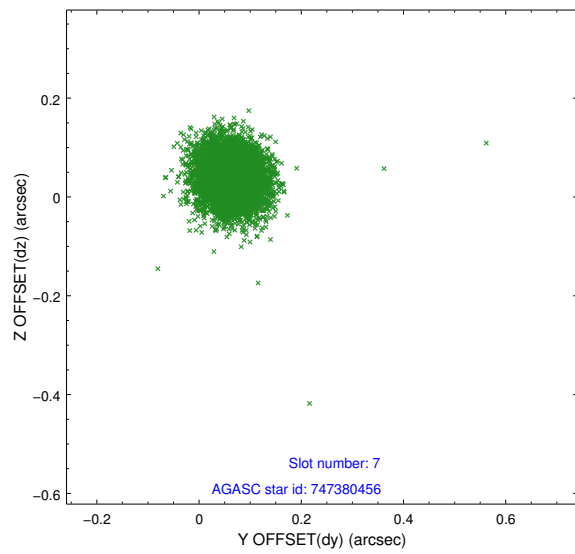
2.4.3 Slot 5



2.4.4 Slot 6

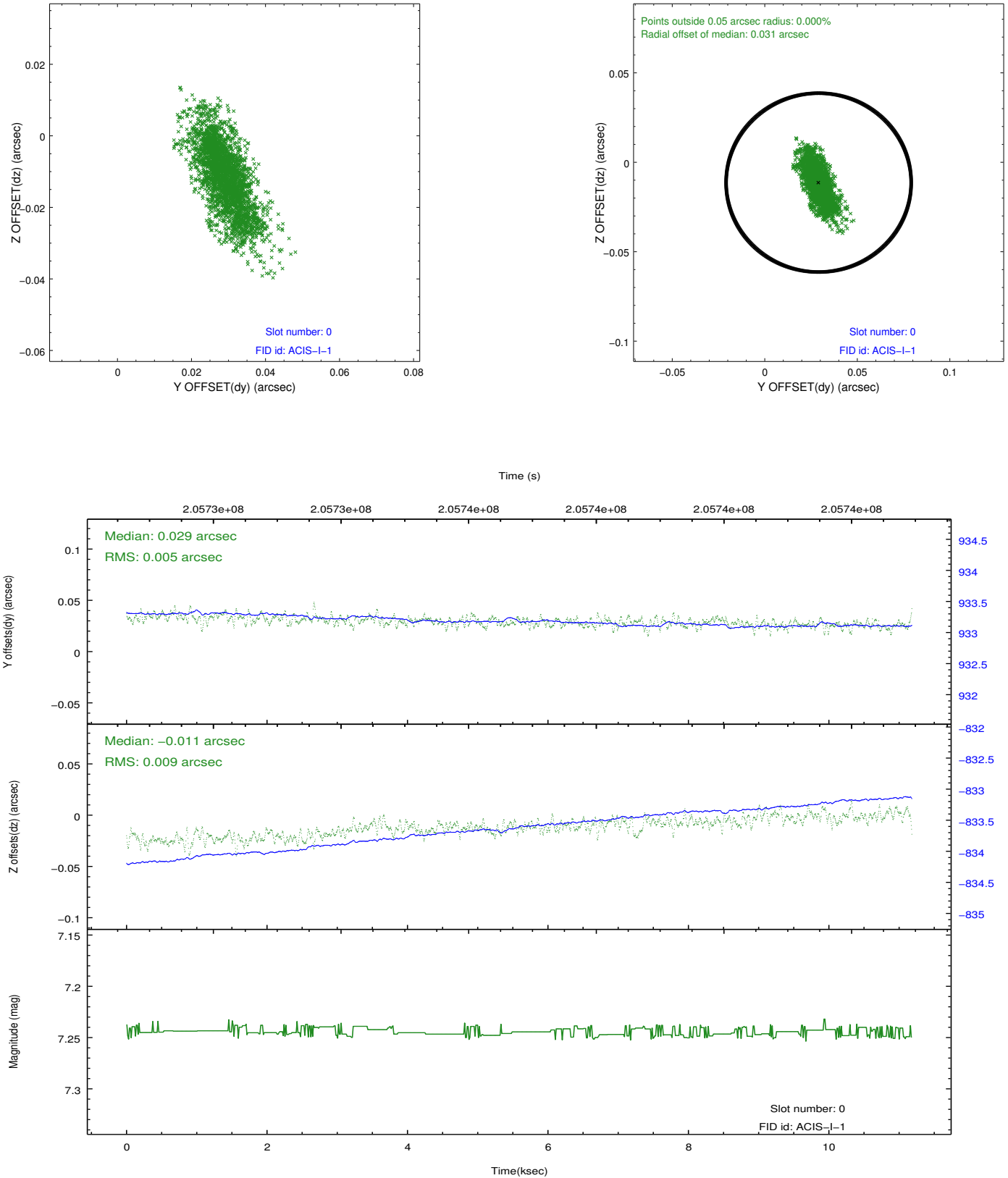


2.4.5 Slot 7

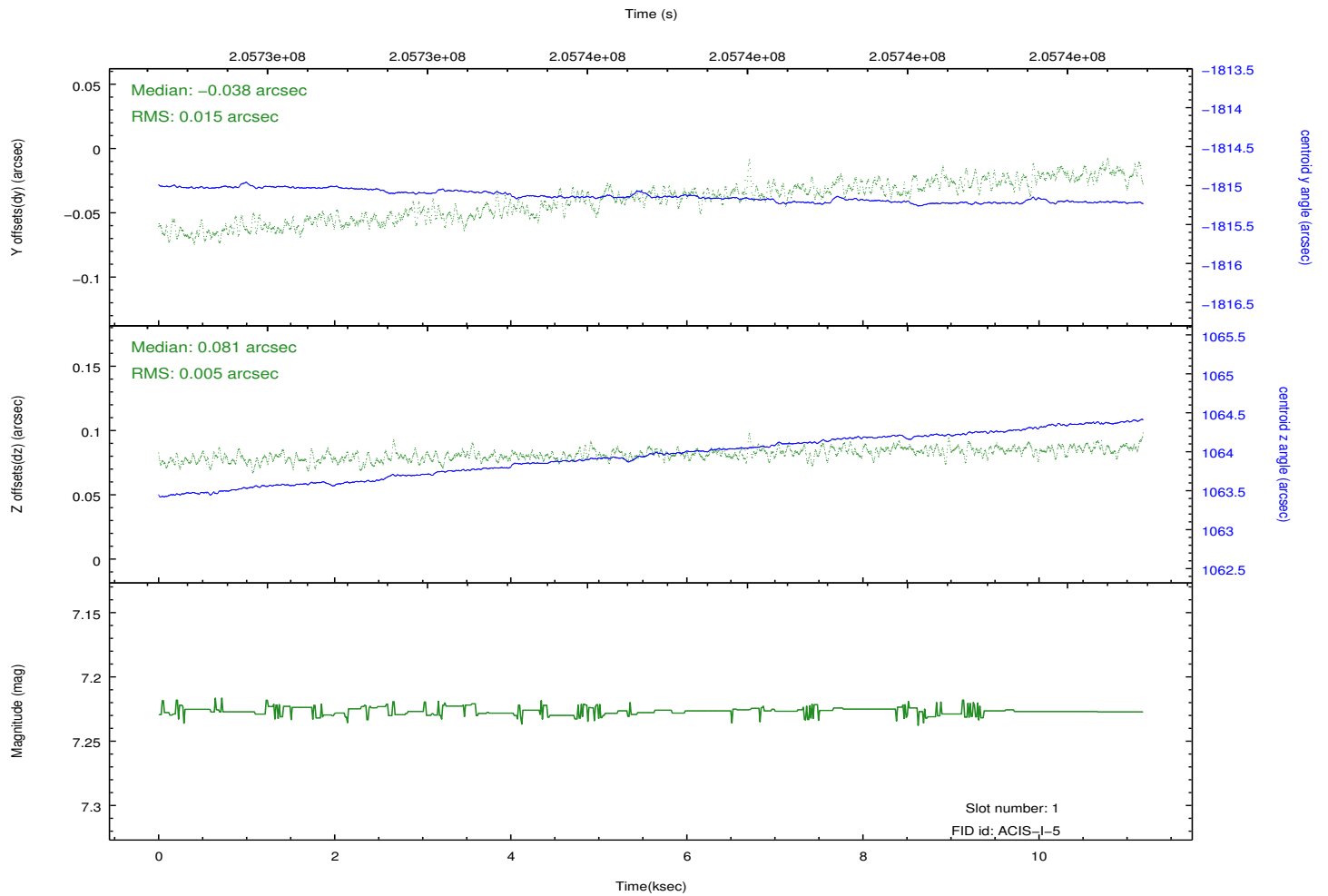
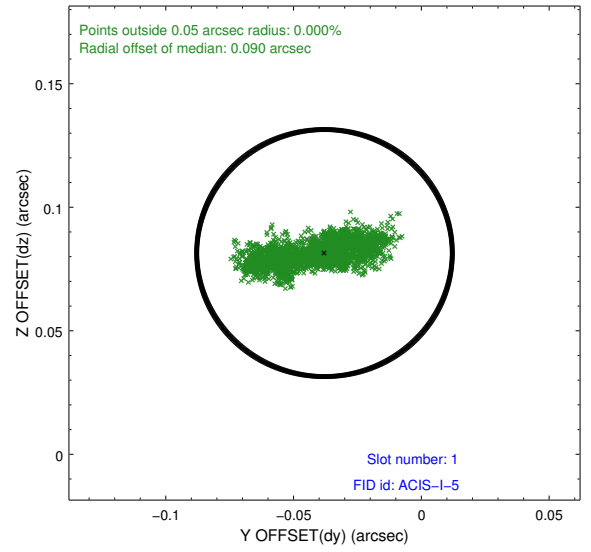
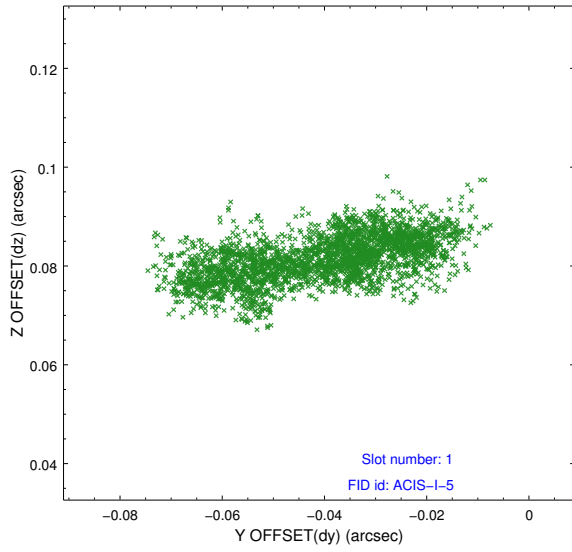


2.5 FID Slots

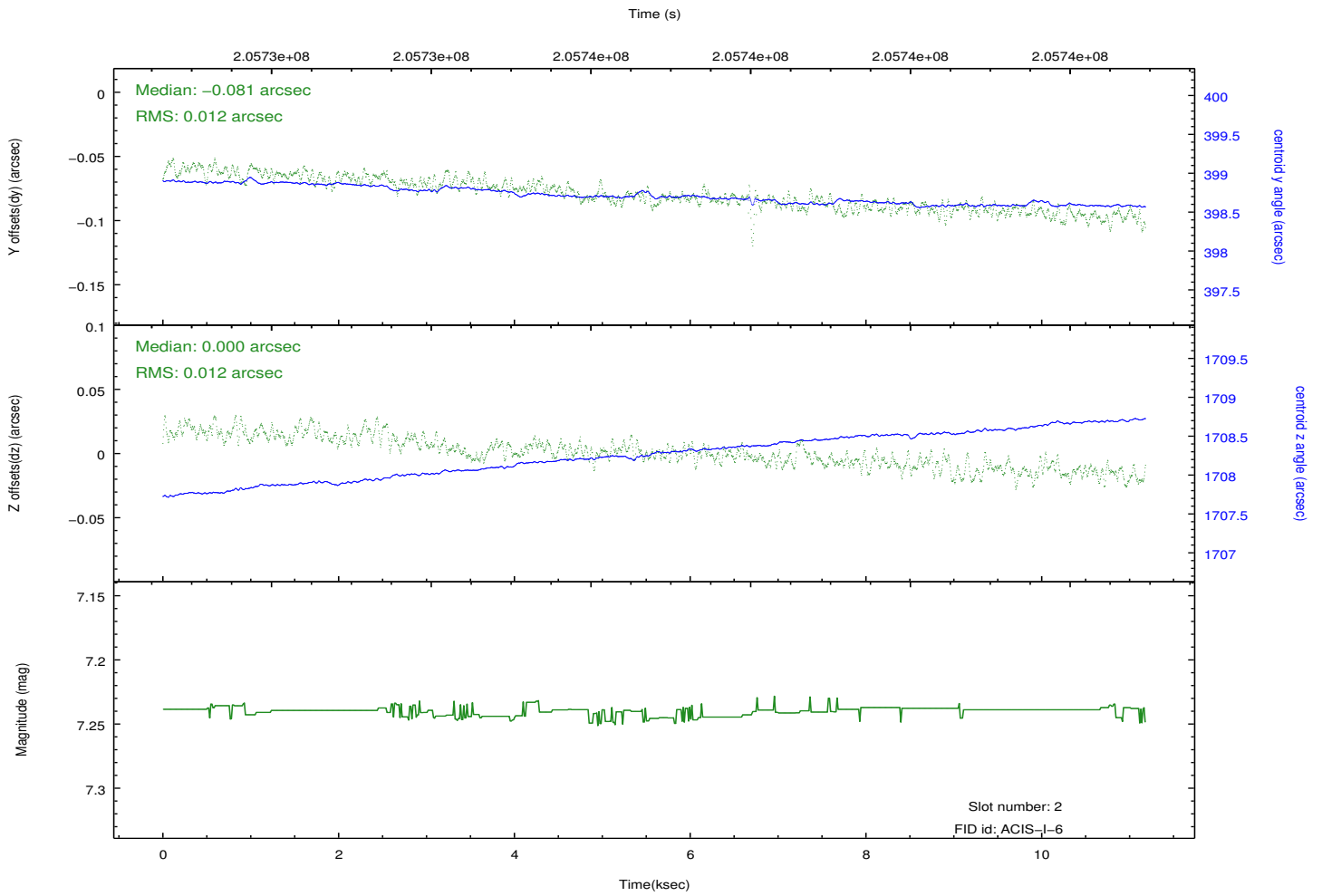
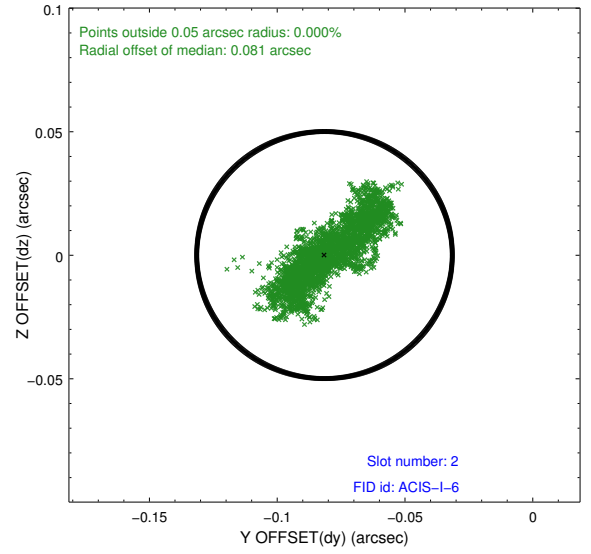
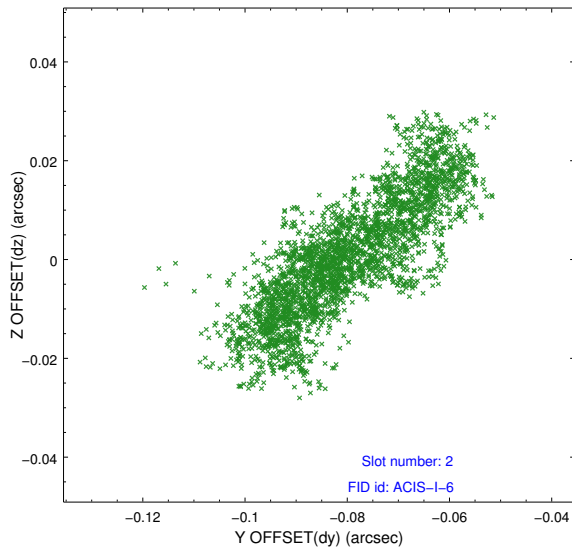
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.177

A.2 Comments

Roll constraint met.