

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3956 - L2 Version 3
Chandra X-Ray Center

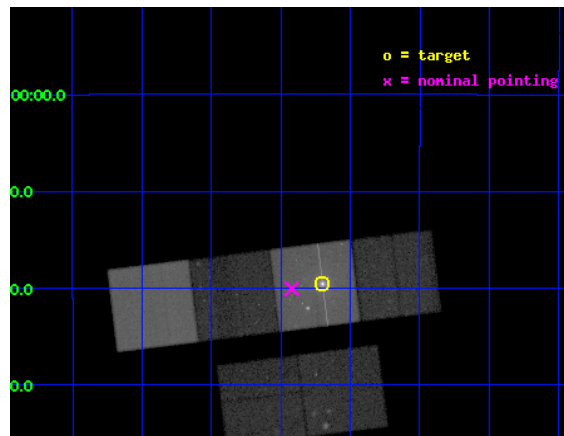
L2 Processing Date : Oct 23 2012

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1 Front

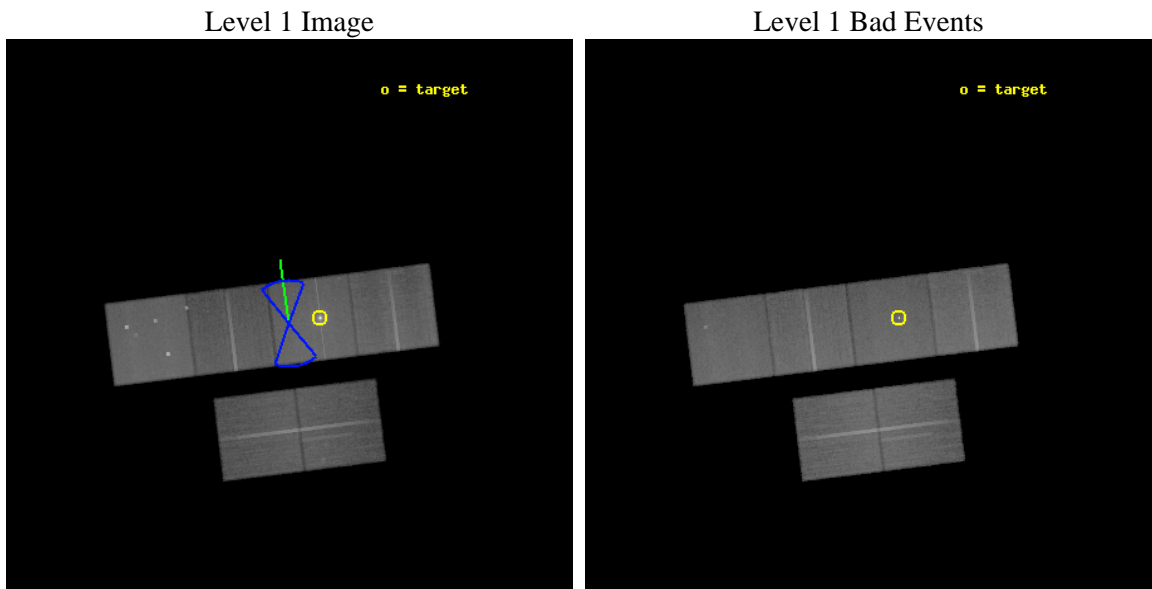
seq_num	700635	Sequence number
obs_id	3956	Observation id
title	THE LARGE-SCALE GALACTIC OUTFLOW IN THE SEYFERT GALAXY NGC 2992	Pr
observer	Dr. Edward Colbert	Principal investigator
object	NGC2992	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.425	Observer's specified target RA [deg]
dec_targ	-14.326389	Observer's specified target Dec [deg]
ra_nom	146.48008272661	Nominal RA [deg]
dec_nom	-14.334817463249	Nominal Dec [deg]
roll_nom	352.95240505207	Nominal Roll [deg]
revision	3	Processing version of data
ontime	50179.199813068	Sum of GTIs [s]
livetime	49543.800570748	Livetime [s]
ontime2	50175.95883283	Sum of GTIs [s]
ontime3	50179.199813068	Sum of GTIs [s]
ontime5	50179.199813068	Sum of GTIs [s]
ontime6	50179.199813068	Sum of GTIs [s]
ontime7	50179.199813068	Sum of GTIs [s]
ontime8	50179.199813068	Sum of GTIs [s]
l2events	587036	Number of level 2 events



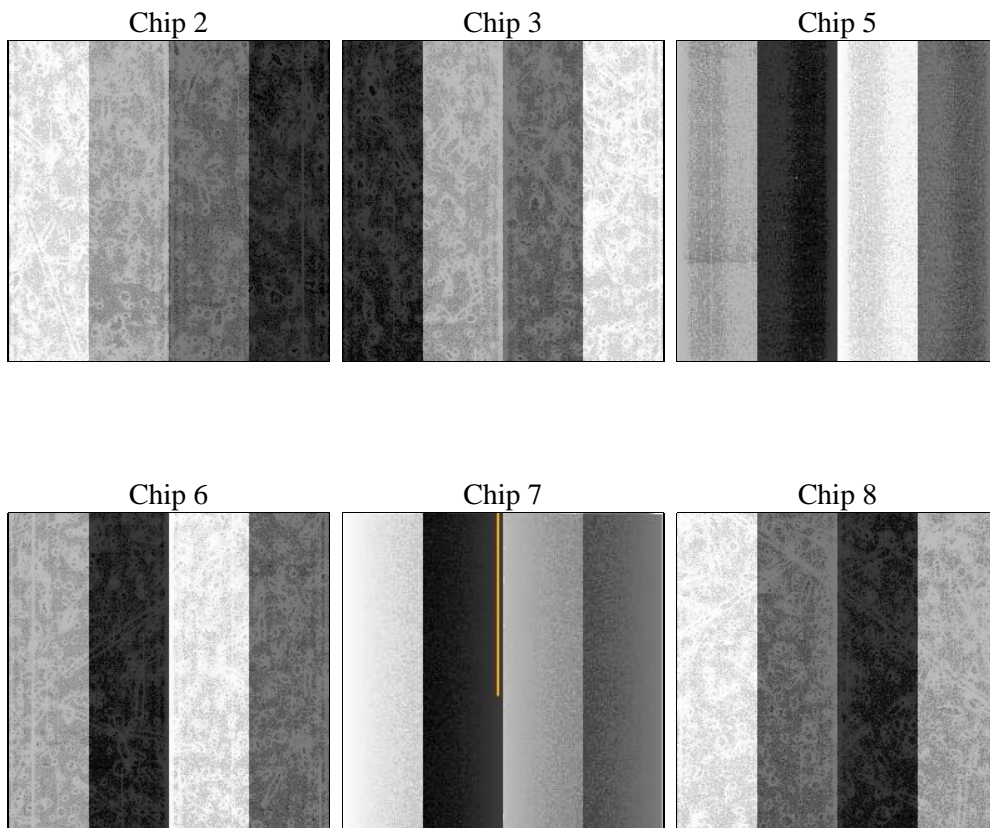
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	50179.199813068	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	50175.95883283	Sum of GTIs [s]
date	2012-10-23T12:29:29	Date and time of file creation	ontime3	50179.199813068	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	50179.199813068	Sum of GTIs [s]
			ontime6	50179.199813068	Sum of GTIs [s]
			ontime7	50179.199813068	Sum of GTIs [s]
			ontime8	50179.199813068	Sum of GTIs [s]
			l1events	2376713	Number of level 1 events

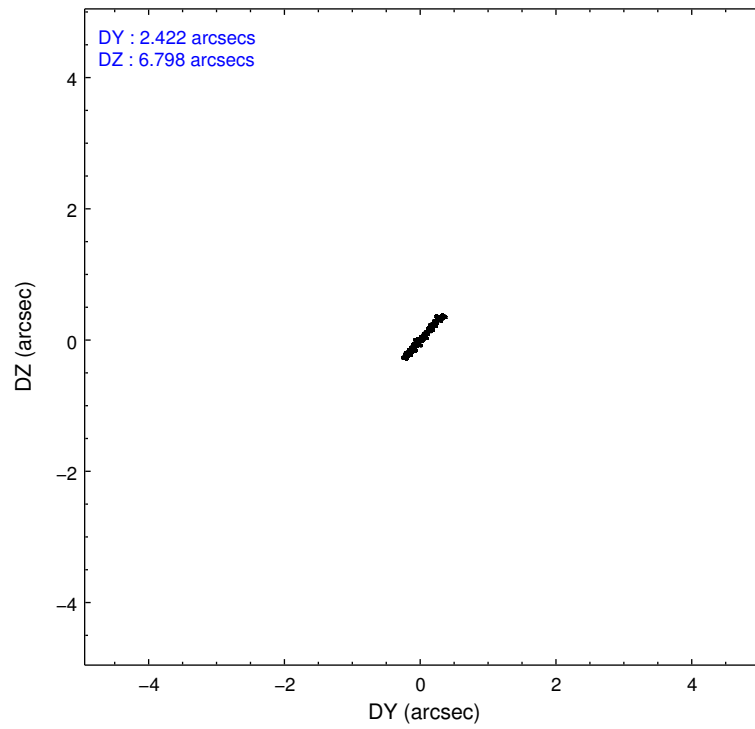
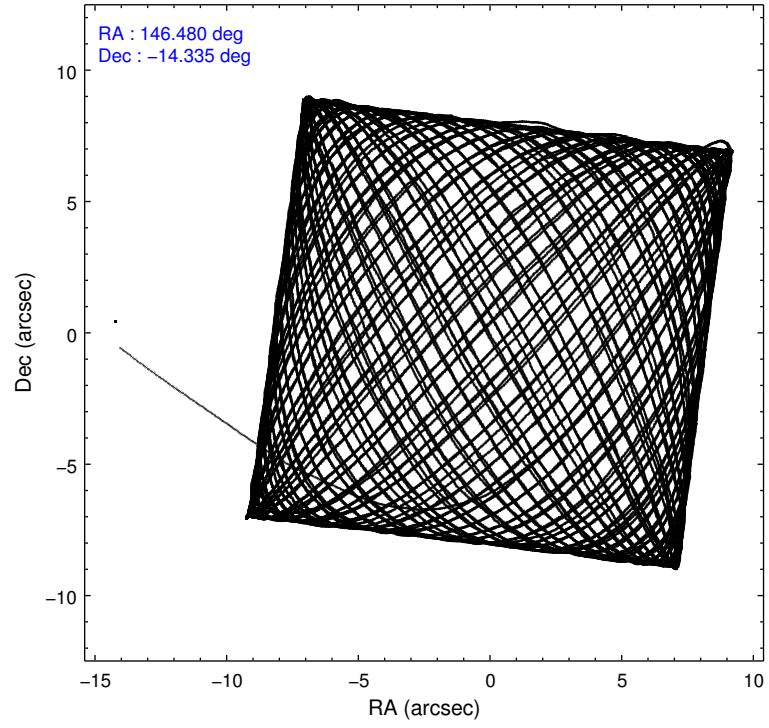
2.1.4 Events

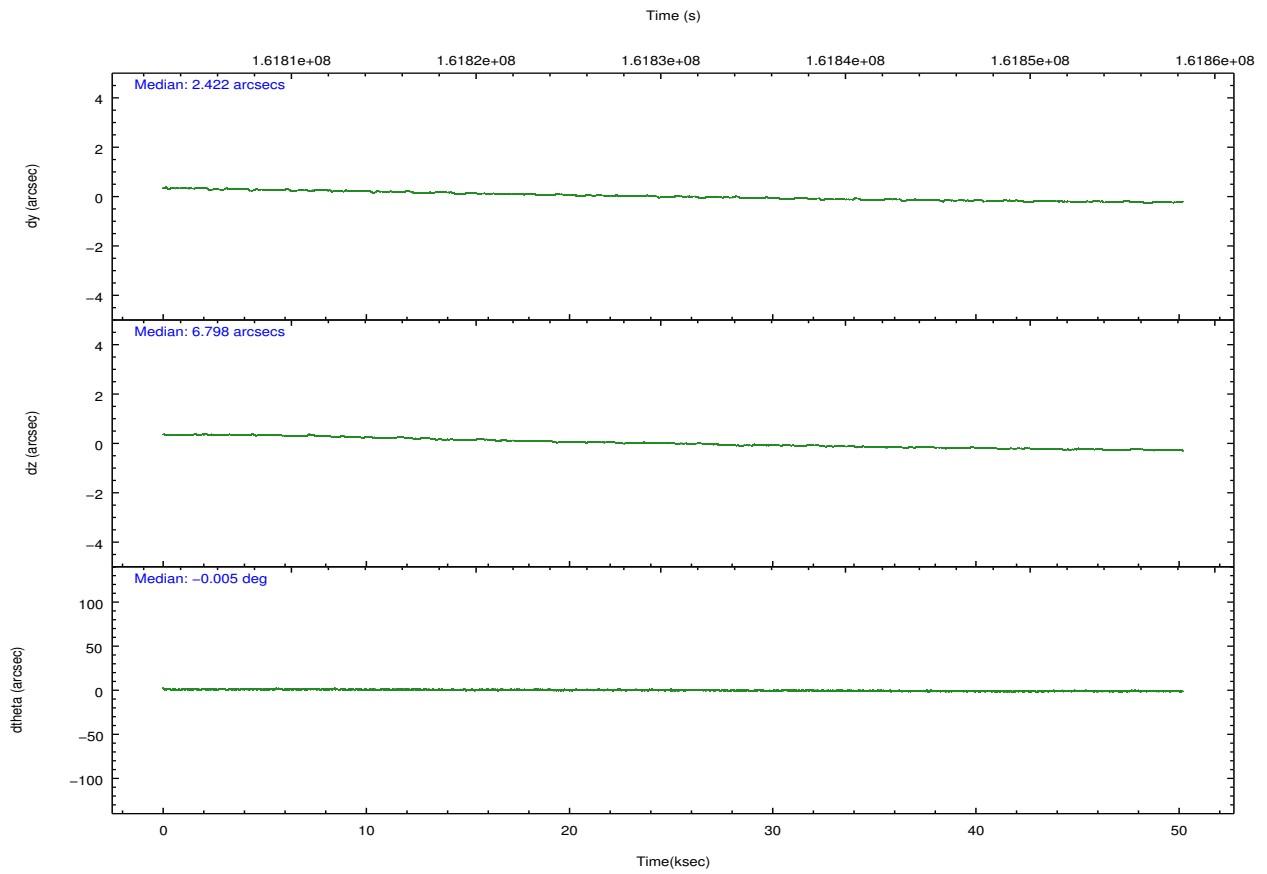
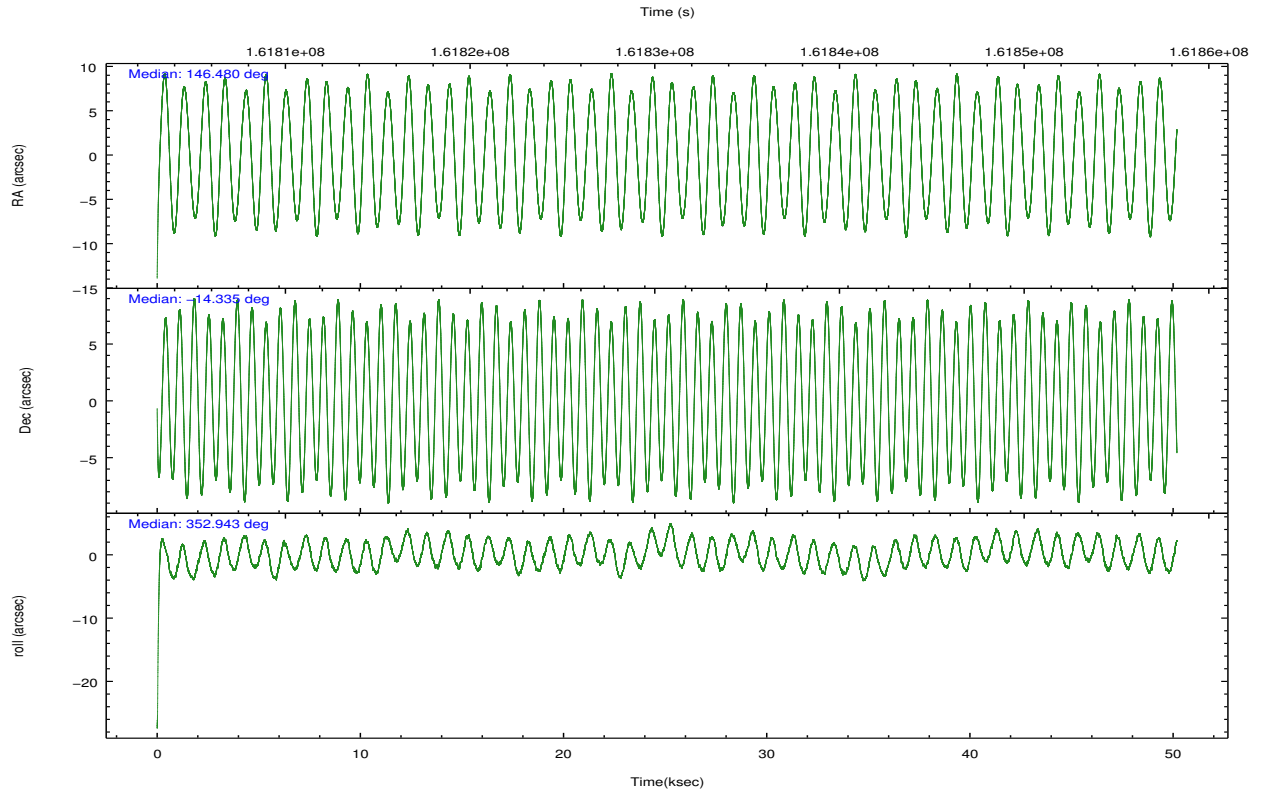
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	329098	309968	489082	327780	512968	407817	grade 0 events	18405	19409	40186	18059	32109	29945
rejected events	289174	269514	257814	286594	269219	320602		5%	6%	8%	5%	6%	7%
rejected %	87%	86%	52%	87%	52%	78%	grade 1 events	204	179	1467	175	1486	290
								0%	0%	0%	0%	0%	0%
							grade 2 events	7907	7311	63291	8315	51629	18778
								2%	2%	12%	2%	10%	4%
							grade 3 events	3752	3814	9219	3941	23372	9200
								1%	1%	1%	1%	4%	2%
							grade 4 events	3784	3889	8833	3854	23190	8574
								1%	1%	1%	1%	4%	2%
							grade 5 events	12360	13366	35323	14694	44948	18815
								3%	4%	7%	4%	8%	4%
							grade 6 events	6551	6511	113243	7814	116121	22057
								1%	2%	23%	2%	22%	5%
							grade 7 events	276135	255489	217520	270928	220113	300158
								83%	82%	44%	82%	42%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	146.454374	146.4800827266148	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.345784	-14.33481746324899	Alternating exposures requested	N	N
[deg] Pointing Roll	352.789414	352.95240505207	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	350.000000	350.000000			
[deg] Roll tolerance	30.000000	30.000000			
Roll constraint allows 180D rotation	Y	Y			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	161805754.184000	161804339.12399			
Observation start date	2003-02-16T18:01:30	2003-02-16T17:38:59			
[s] Observation end time (MET)	161855754.184000	161856445.00118			
Observation end date	2003-02-17T07:54:50	2003-02-17T08:07:25			
Read mode	TIMED	TIMED			

2.3 Aspect



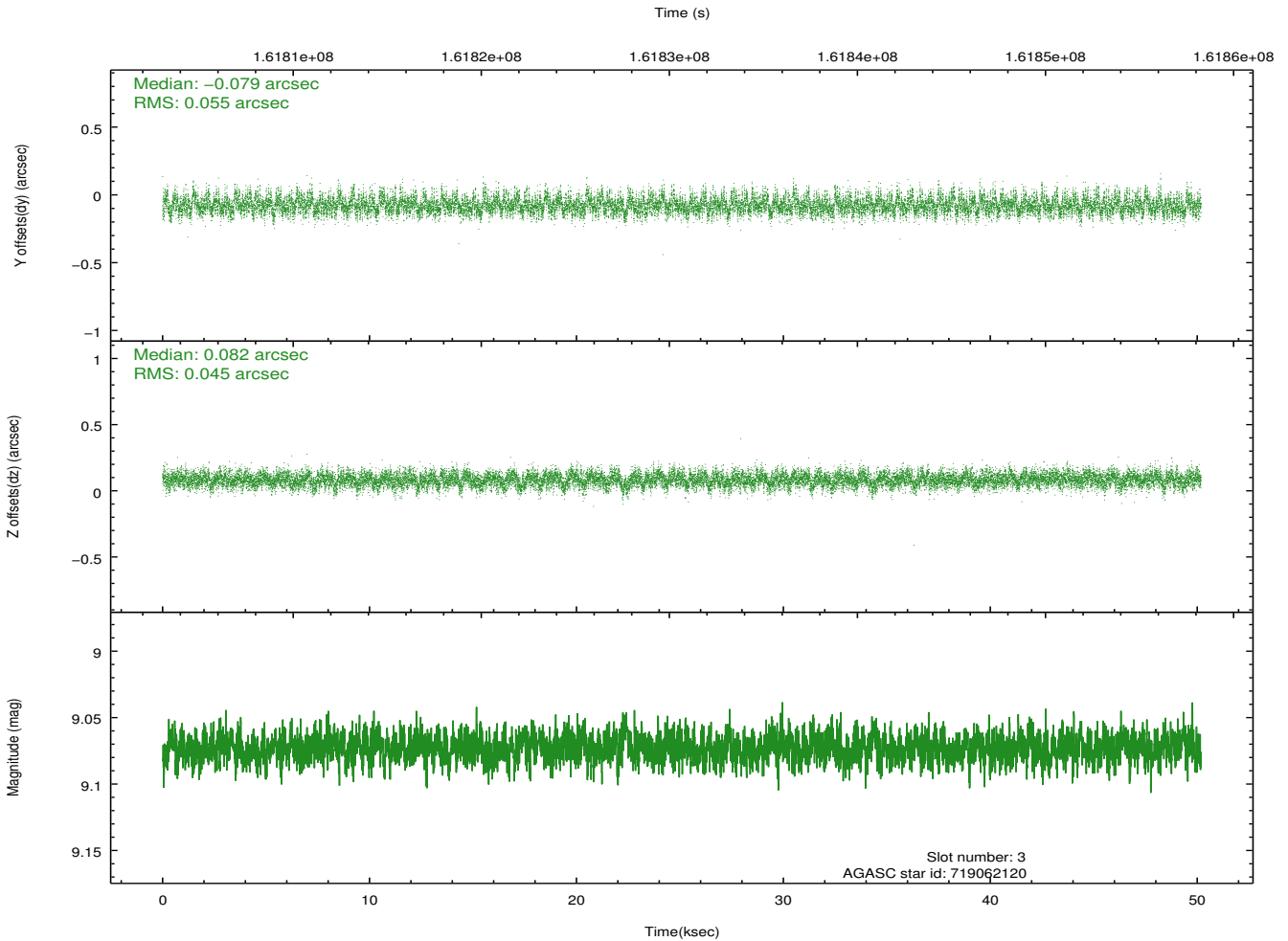
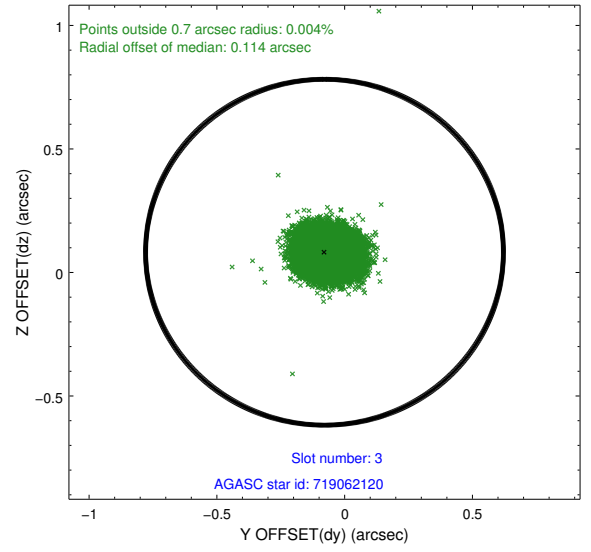
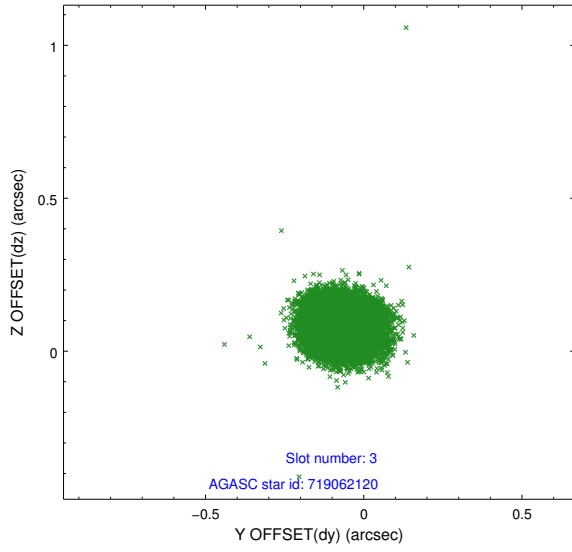


Slot Statistics

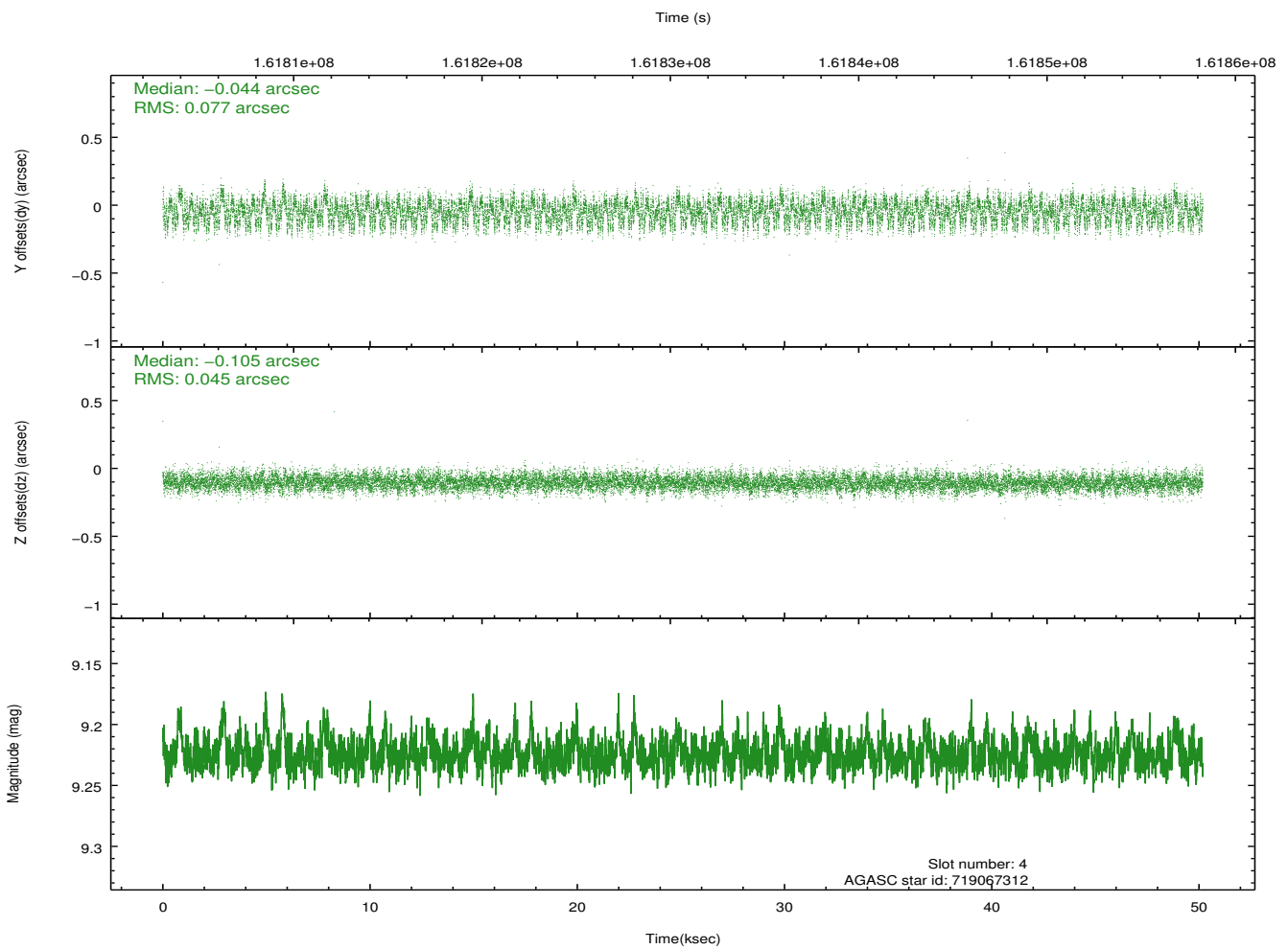
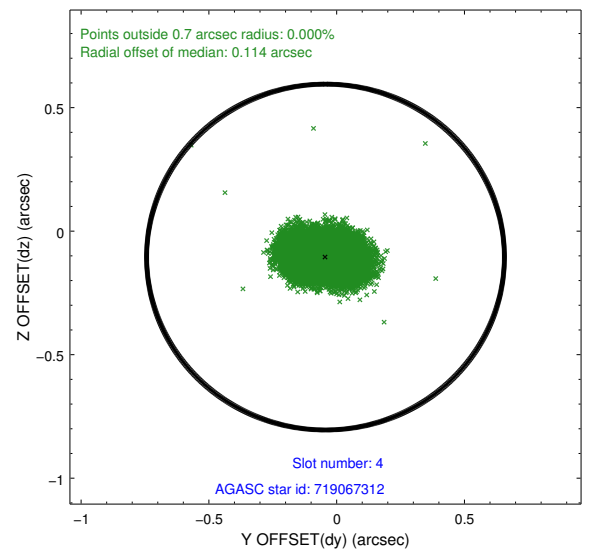
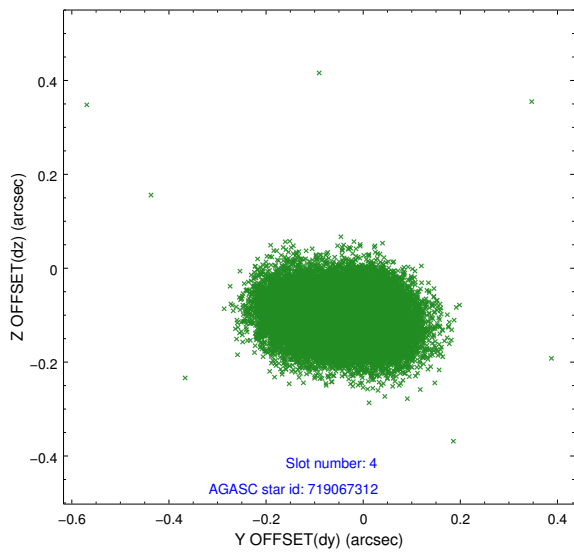
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	12241	-0.037	-0.001	0.011	0.016	0.000000	0.000000	-755.08	-1727.98
1	FID	ACIS-S-4	7.20	12240	-0.003	0.018	0.007	0.012	0.000000	0.000000	2158.22	180.57
2	FID	ACIS-S-5	7.24	12241	0.011	-0.009	0.014	0.023	0.000000	0.000000	-1807.92	174.15
3	GUIDE	719062120	9.07	24479	-0.079	0.082	0.076	0.123	146.850795	-14.914125	1625.64	-1857.33
4	GUIDE	719067312	9.22	24471	-0.044	-0.105	0.096	0.152	146.092771	-13.823259	-1490.11	1706.49
5	GUIDE	719072336	8.75	24475	0.128	0.003	0.078	0.130	146.032024	-14.033089	-1604.54	930.46
6	GUIDE	719068024	7.74	24415	0.012	0.021	0.066	0.106	145.876734	-13.695740	-2297.98	2065.56
7	GUIDE	719062168	8.70	24476	-0.020	-0.001	0.078	0.128	146.982073	-14.934546	2087.87	-1873.83

2.4 Star Slots

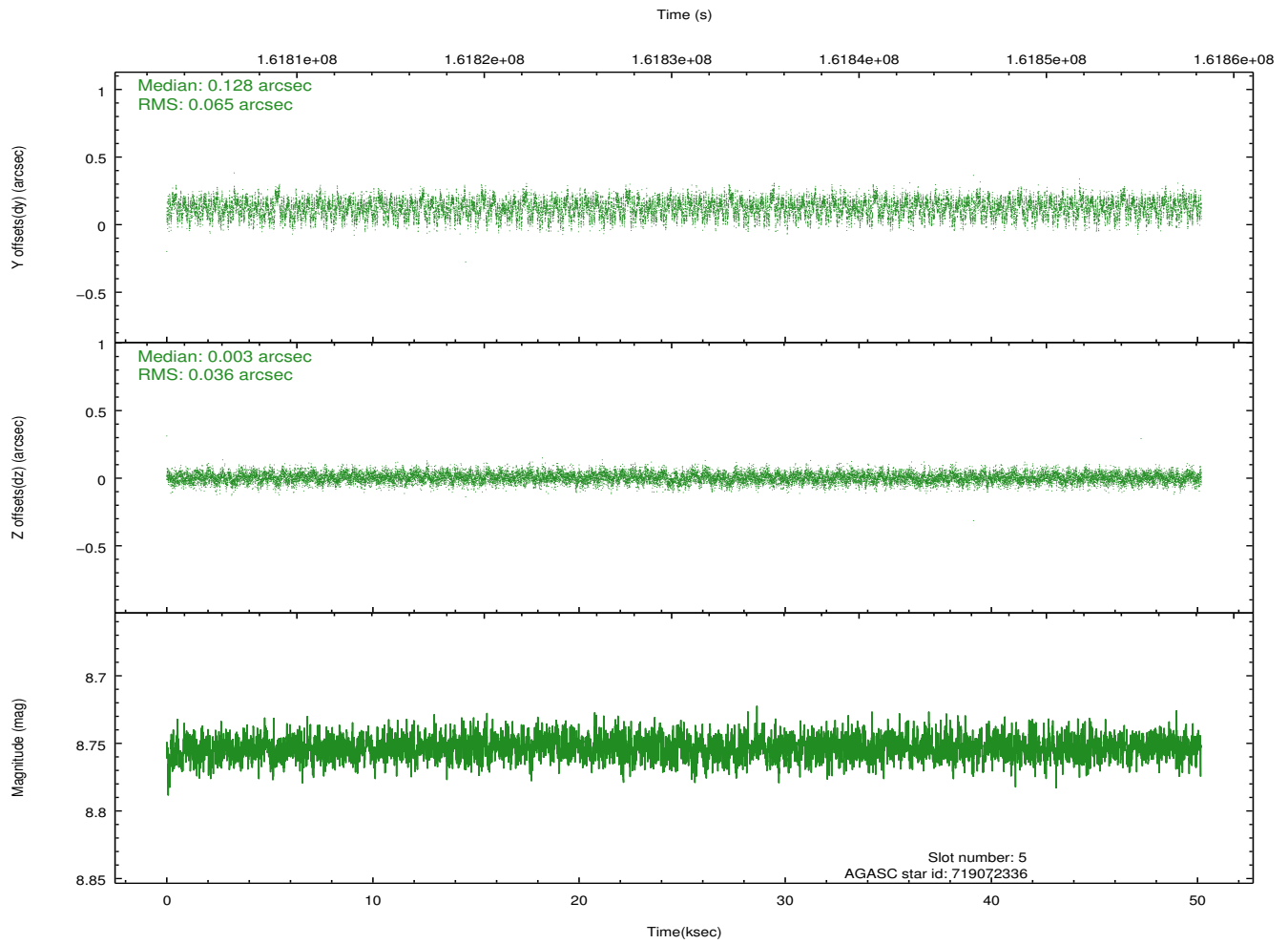
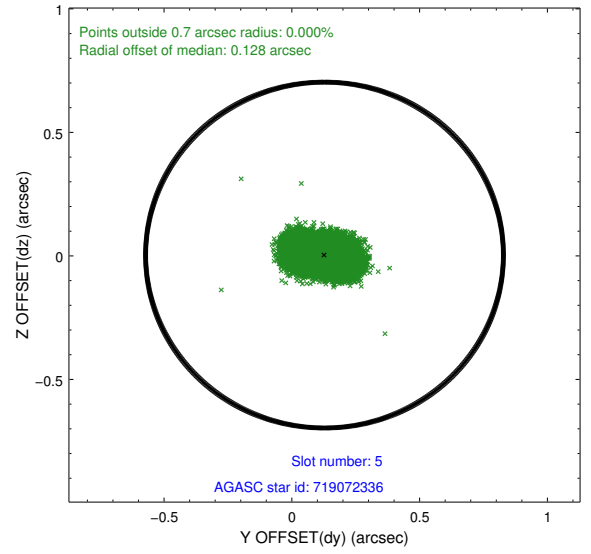
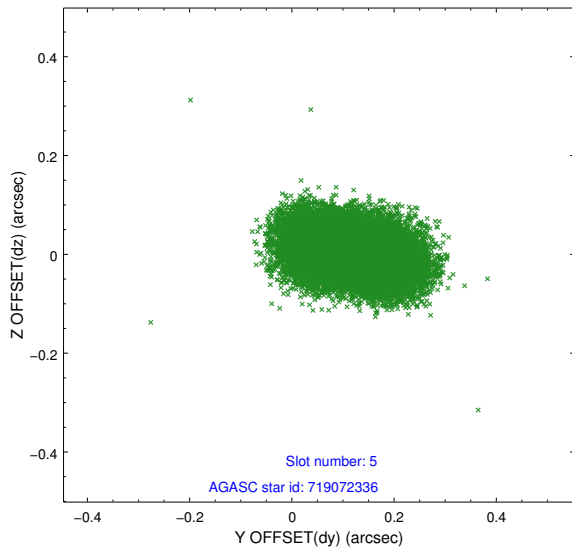
2.4.1 Slot 3



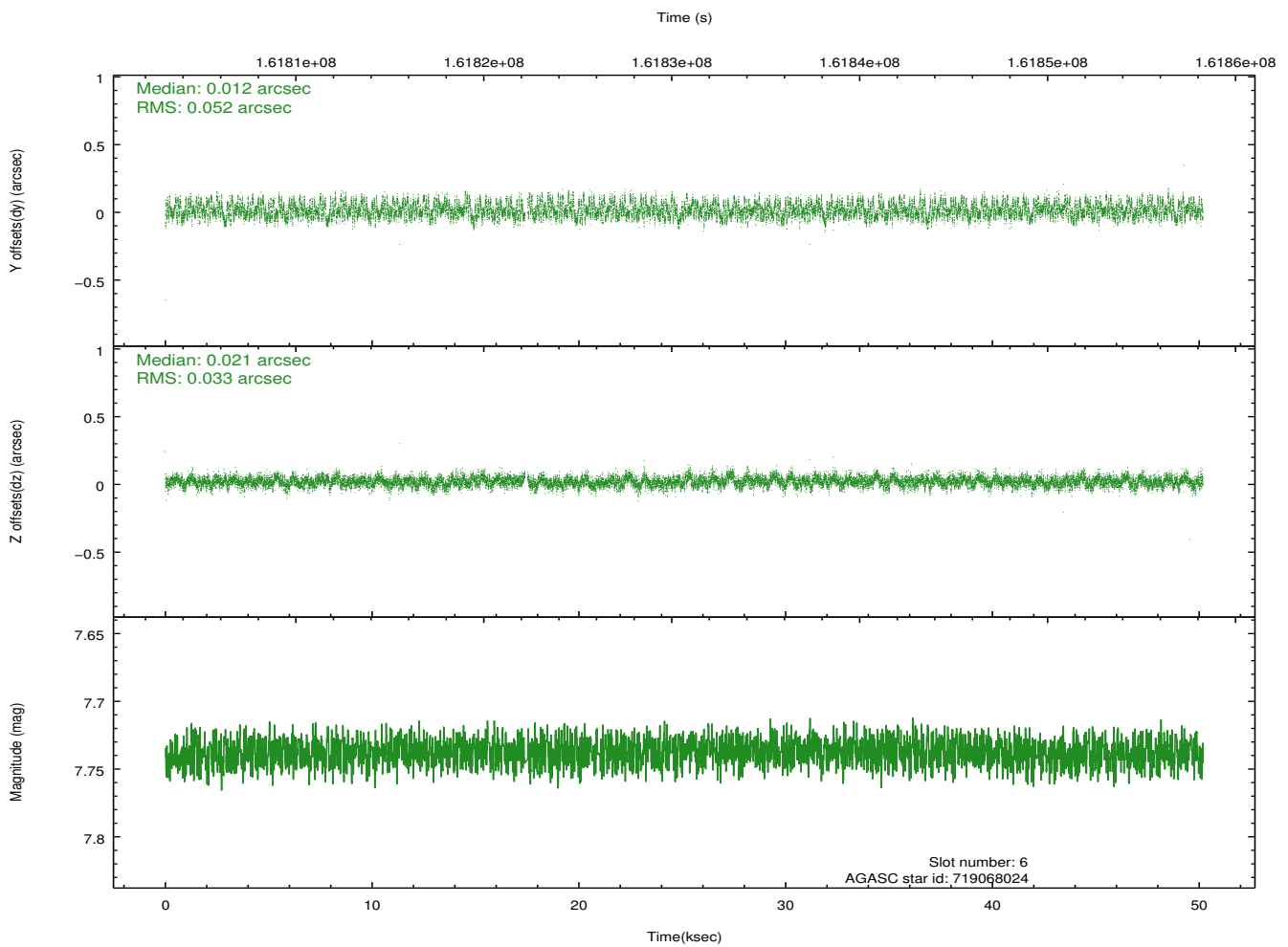
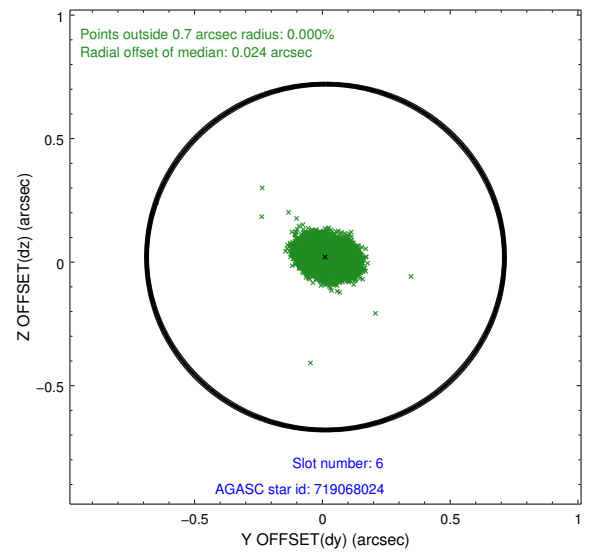
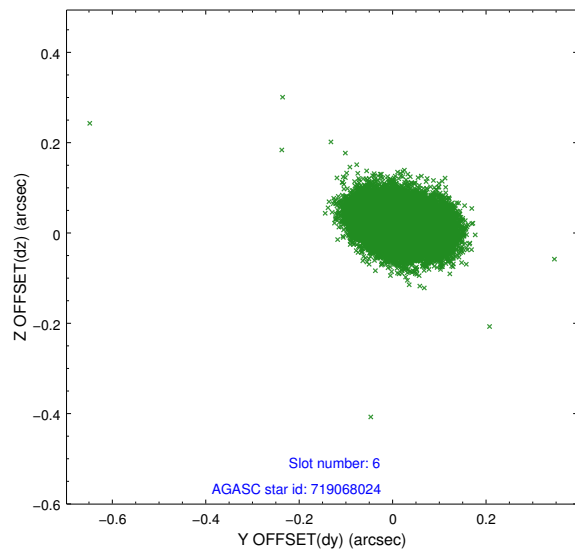
2.4.2 Slot 4



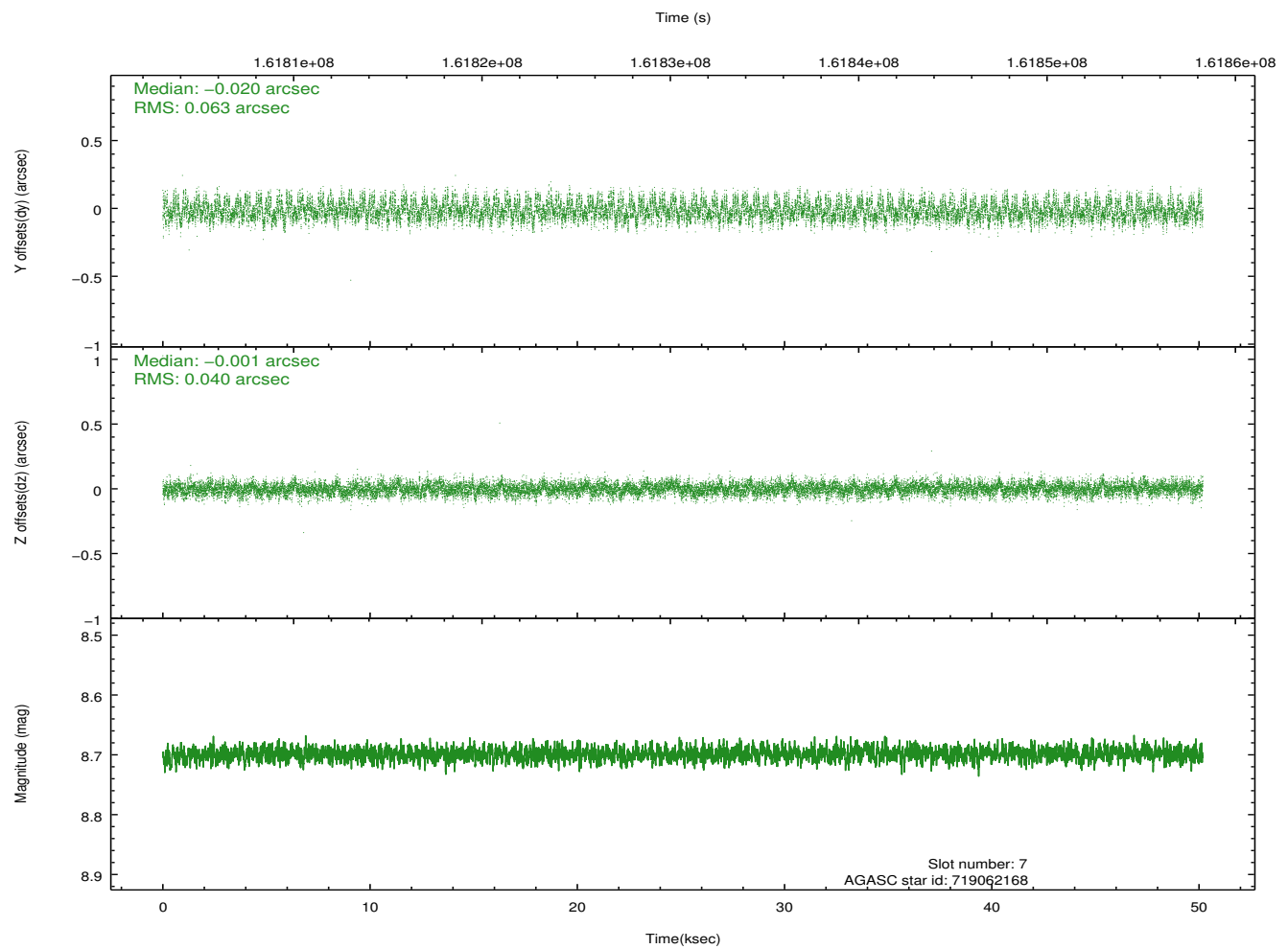
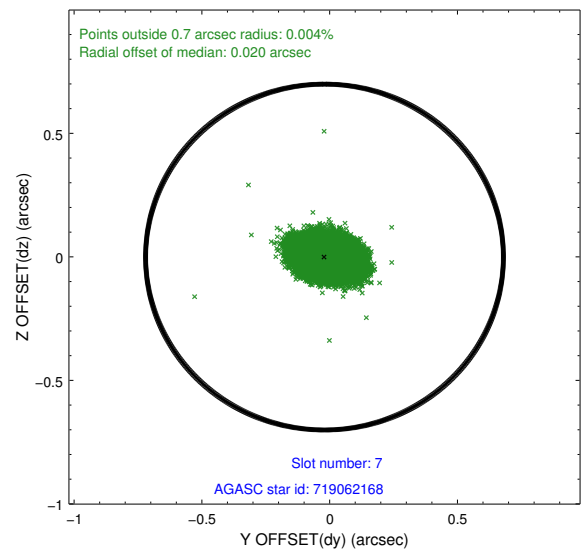
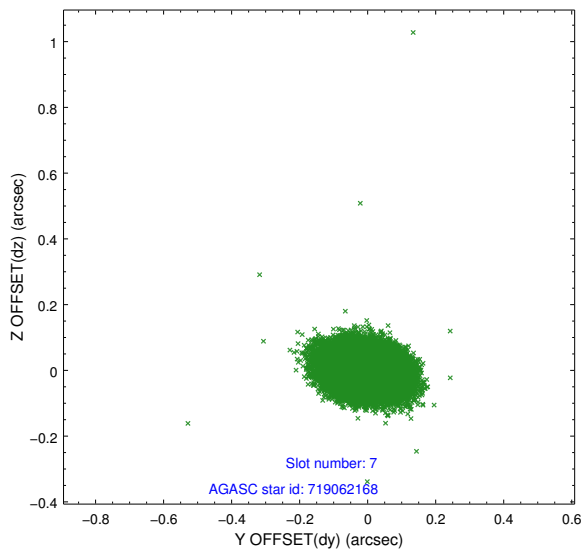
2.4.3 Slot 5



2.4.4 Slot 6

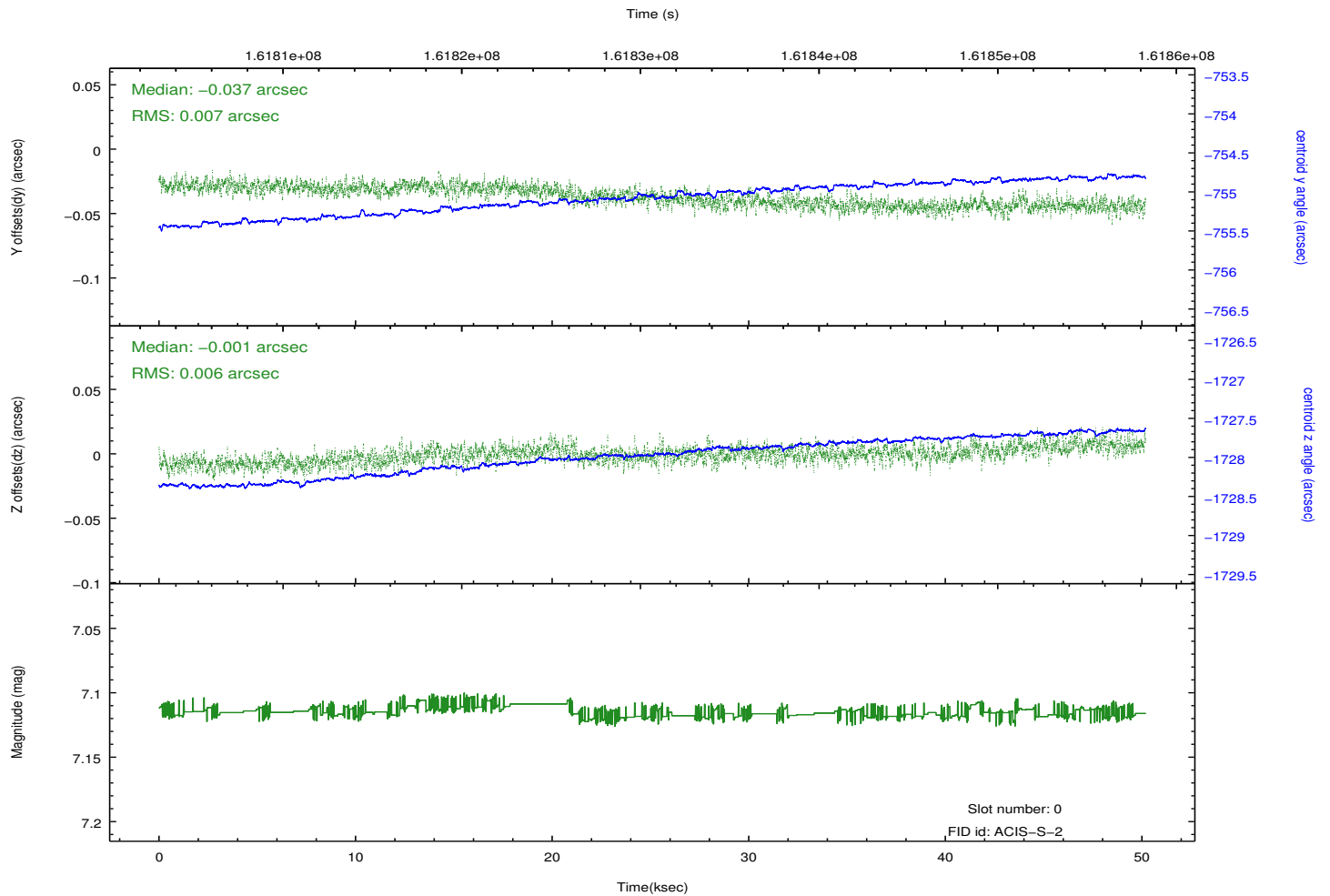
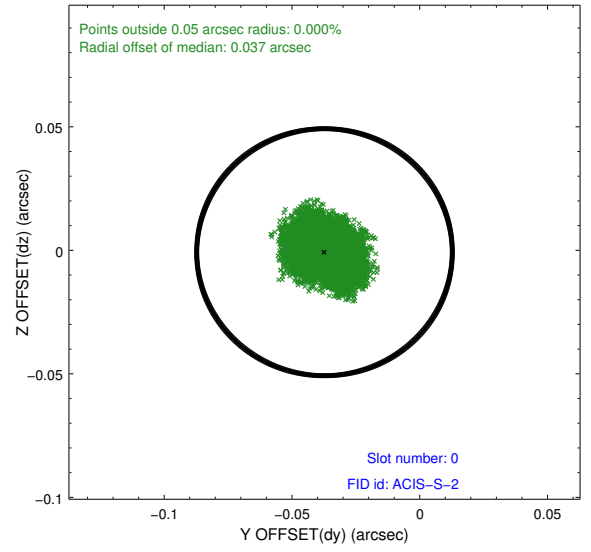
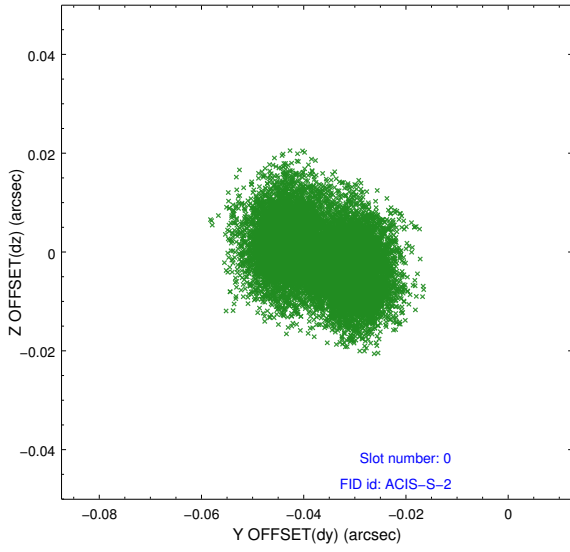


2.4.5 Slot 7

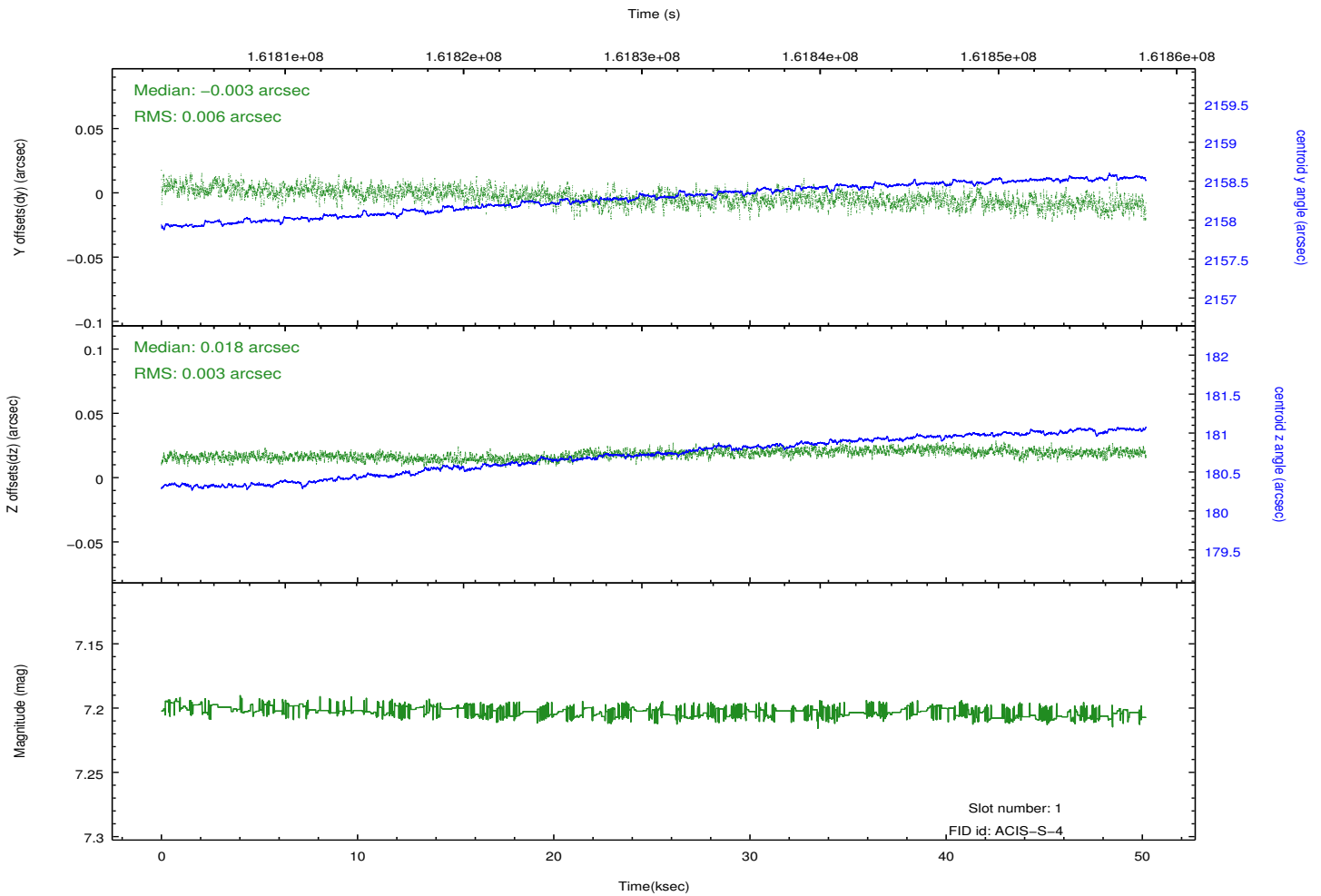
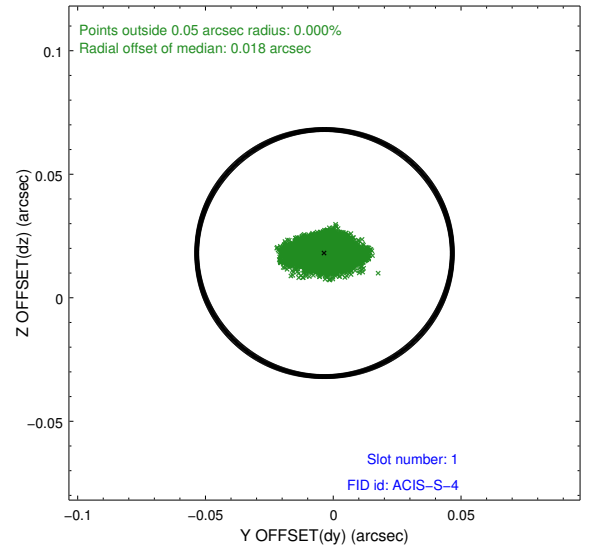
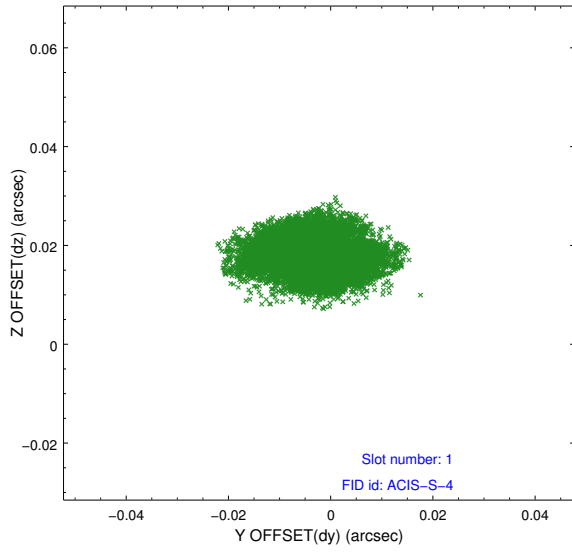


2.5 FID Slots

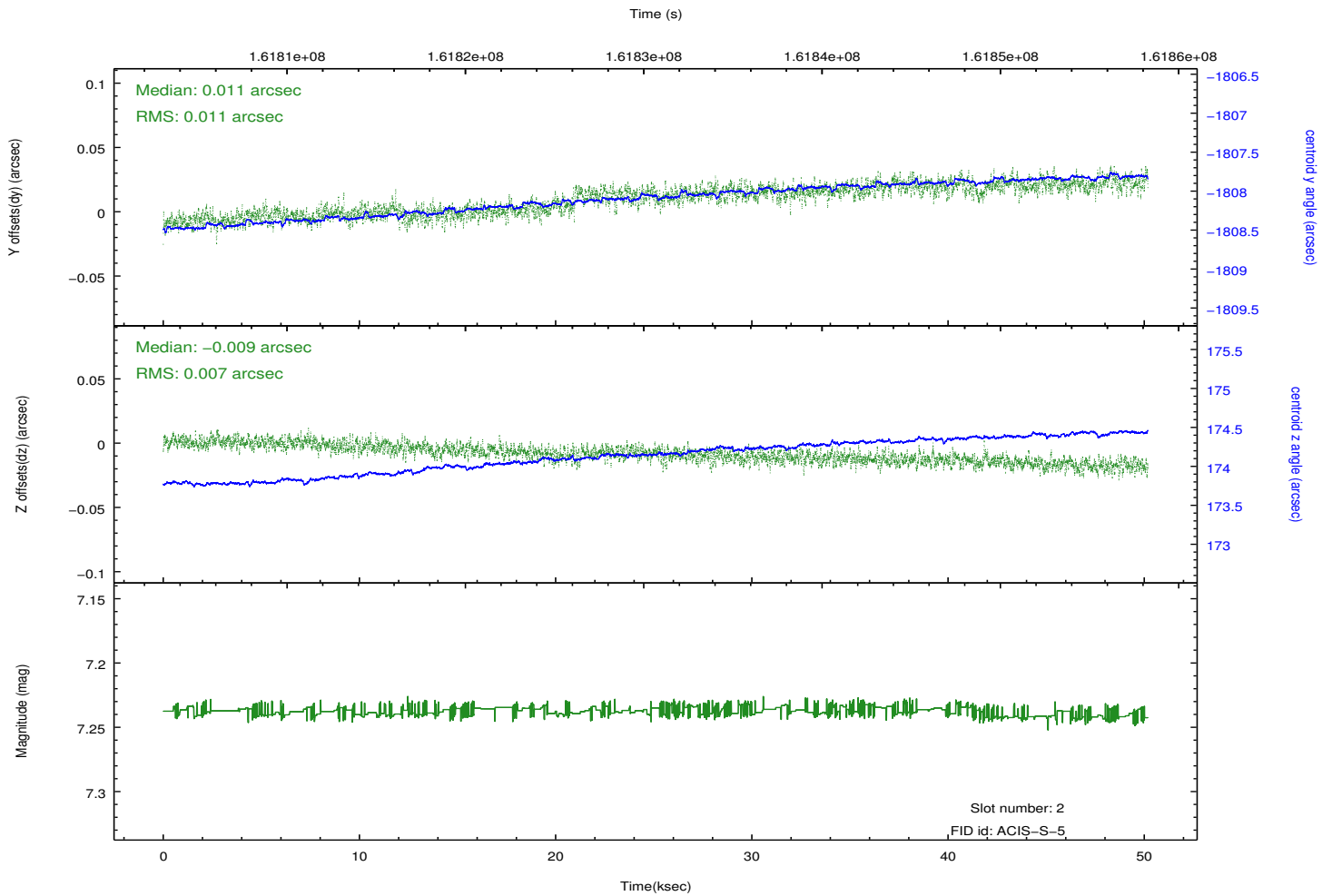
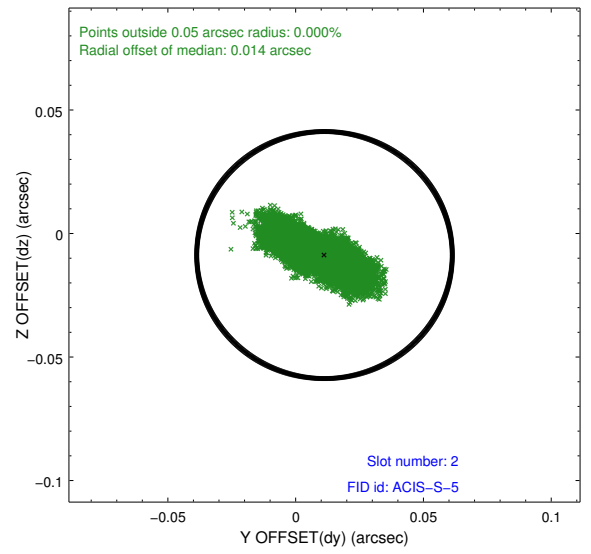
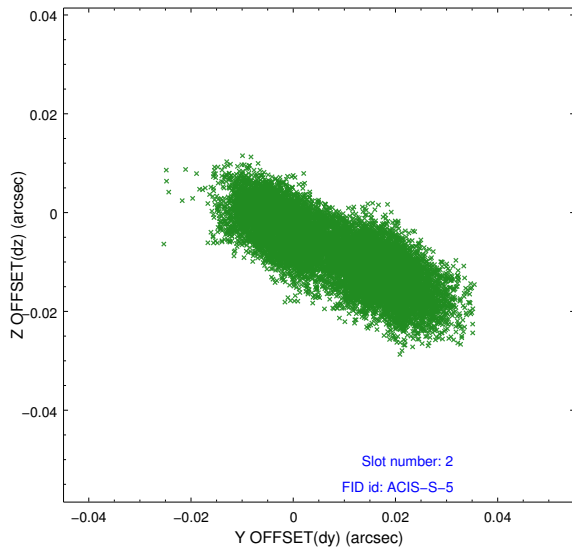
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.18

A.2 Comments

Significant pileup associated with the core of the source. Roll angle constraint of 350 +/- 30 degrees met.