

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4094 - L2 Version 3
Chandra X-Ray Center

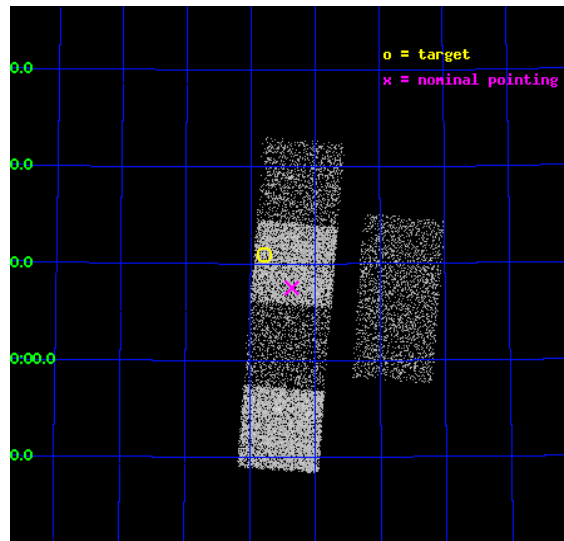
L2 Processing Date : Nov 3 2012

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1 Front

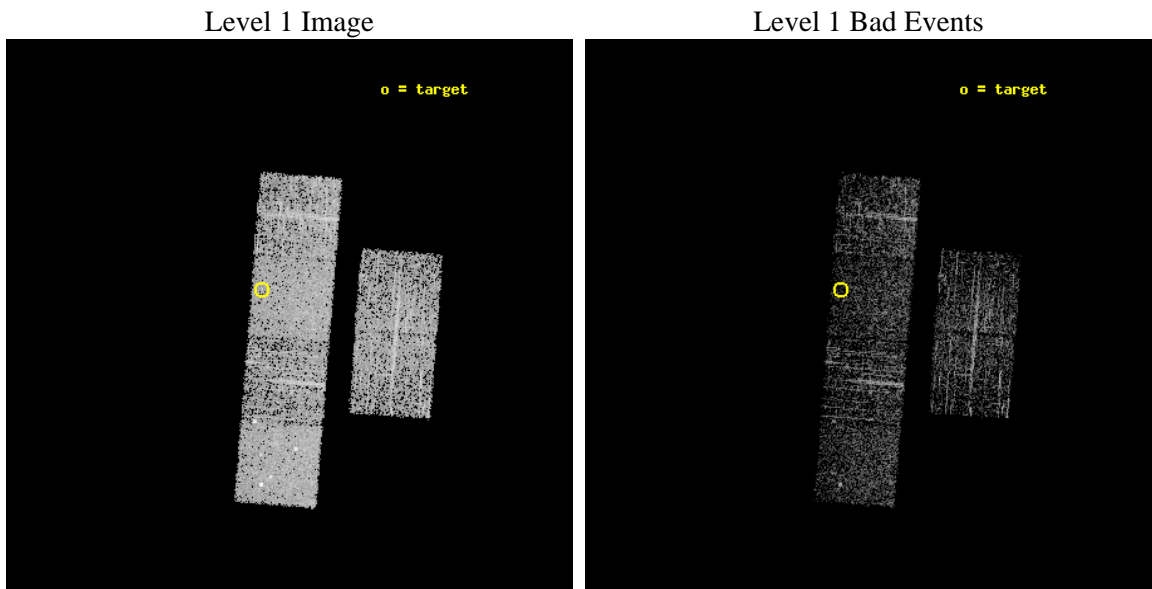
seq_num	700773	Sequence number
obs_id	4094	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J170546.91+631059.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.445417	Observer's specified target RA [deg]
dec_targ	63.183083	Observer's specified target Dec [deg]
ra_nom	256.34016620026	Nominal RA [deg]
dec_nom	63.125318067279	Nominal Dec [deg]
roll_nom	274.57078134578	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1960.3255859017	Sum of GTIs [s]
livetime	1935.5027629667	Livetime [s]
ontime2	1960.366625905	Sum of GTIs [s]
ontime3	1960.2024658918	Sum of GTIs [s]
ontime5	1960.2845458984	Sum of GTIs [s]
ontime6	1960.2435058951	Sum of GTIs [s]
ontime7	1960.3255859017	Sum of GTIs [s]
ontime8	1960.1614259183	Sum of GTIs [s]
l2events	20083	Number of level 2 events



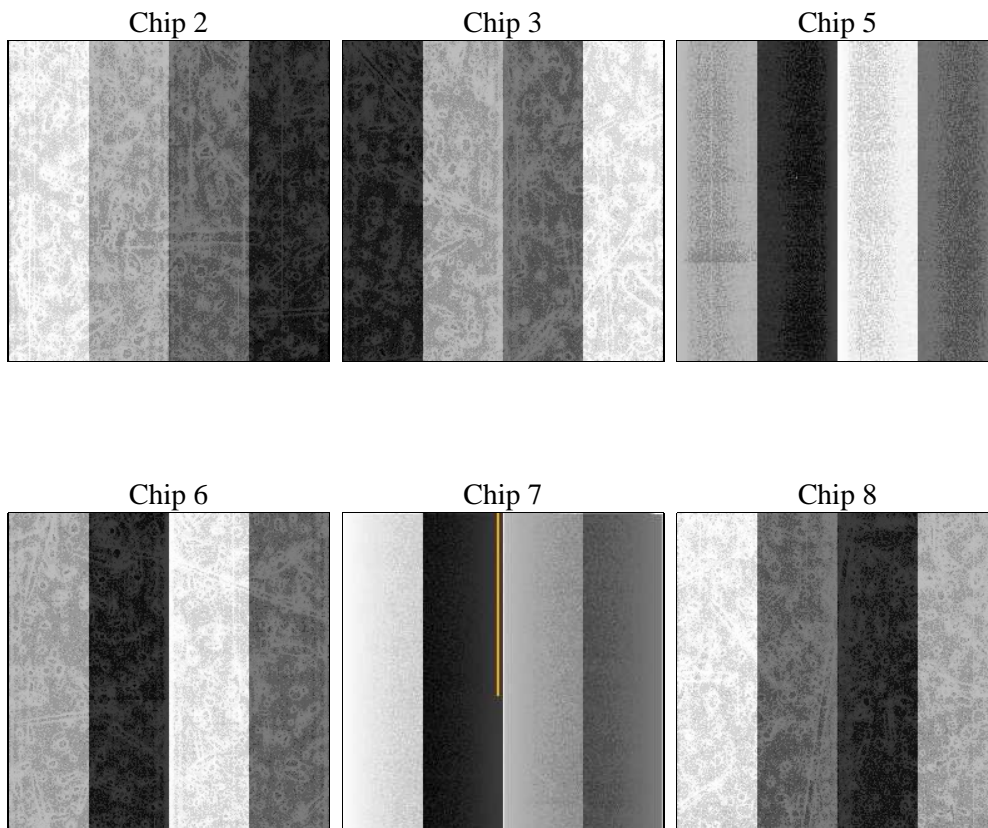
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.356000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1960.3255859017	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	1960.366625905	Sum of GTIs [s]
date	2012-11-03T19:28:14	Date and time of file creation	ontime3	1960.2024658918	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1960.2845458984	Sum of GTIs [s]
			ontime6	1960.2435058951	Sum of GTIs [s]
			ontime7	1960.3255859017	Sum of GTIs [s]
			ontime8	1960.1614259183	Sum of GTIs [s]
			l1events	89985	Number of level 1 events

2.1.4 Events

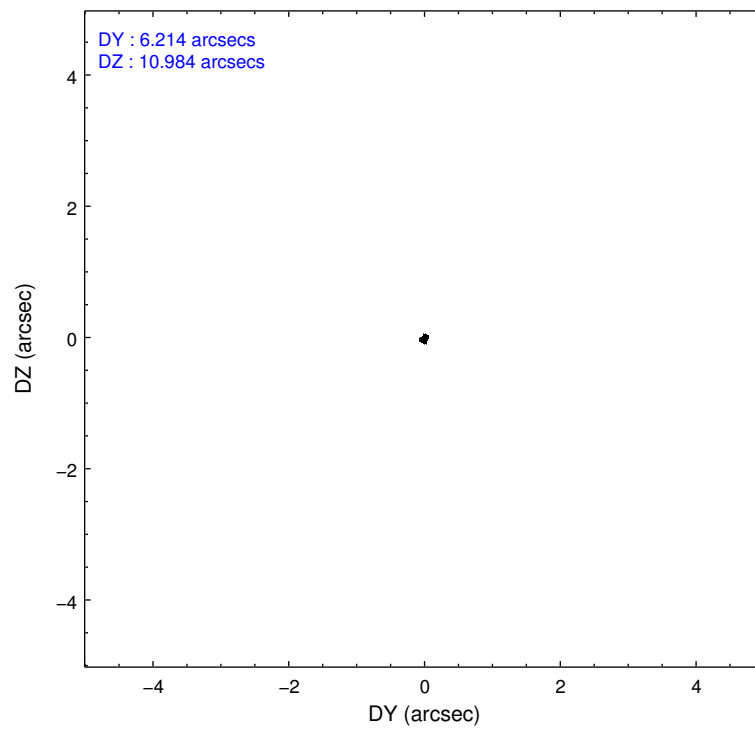
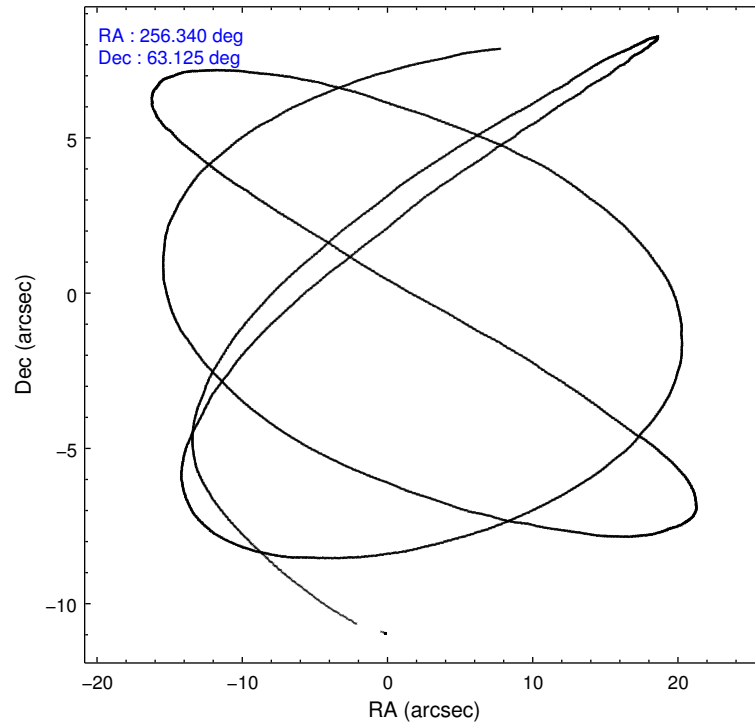
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13030	12797	18973	12964	16451	15770
rejected events	11465	11249	10017	11455	9542	12497
rejected %	87%	87%	52%	88%	58%	79%

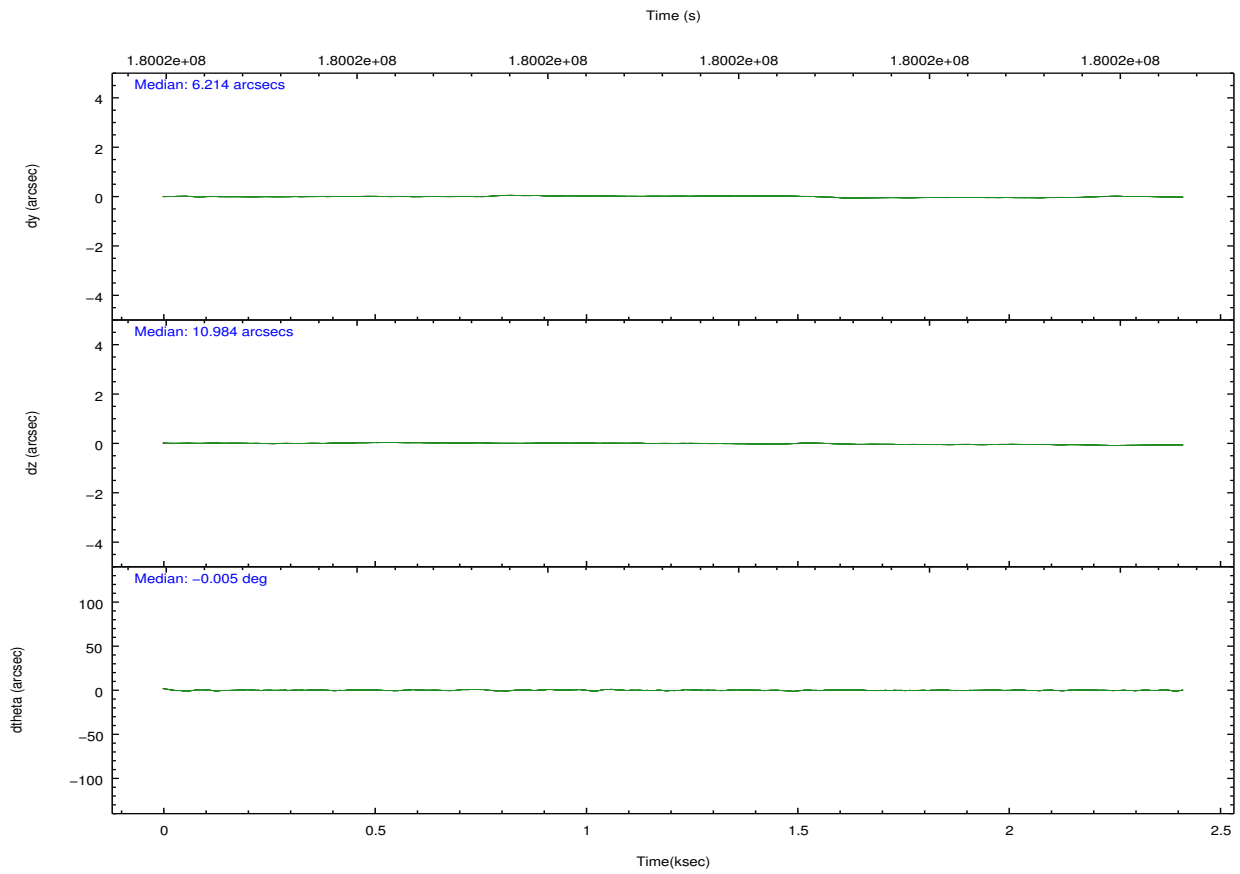
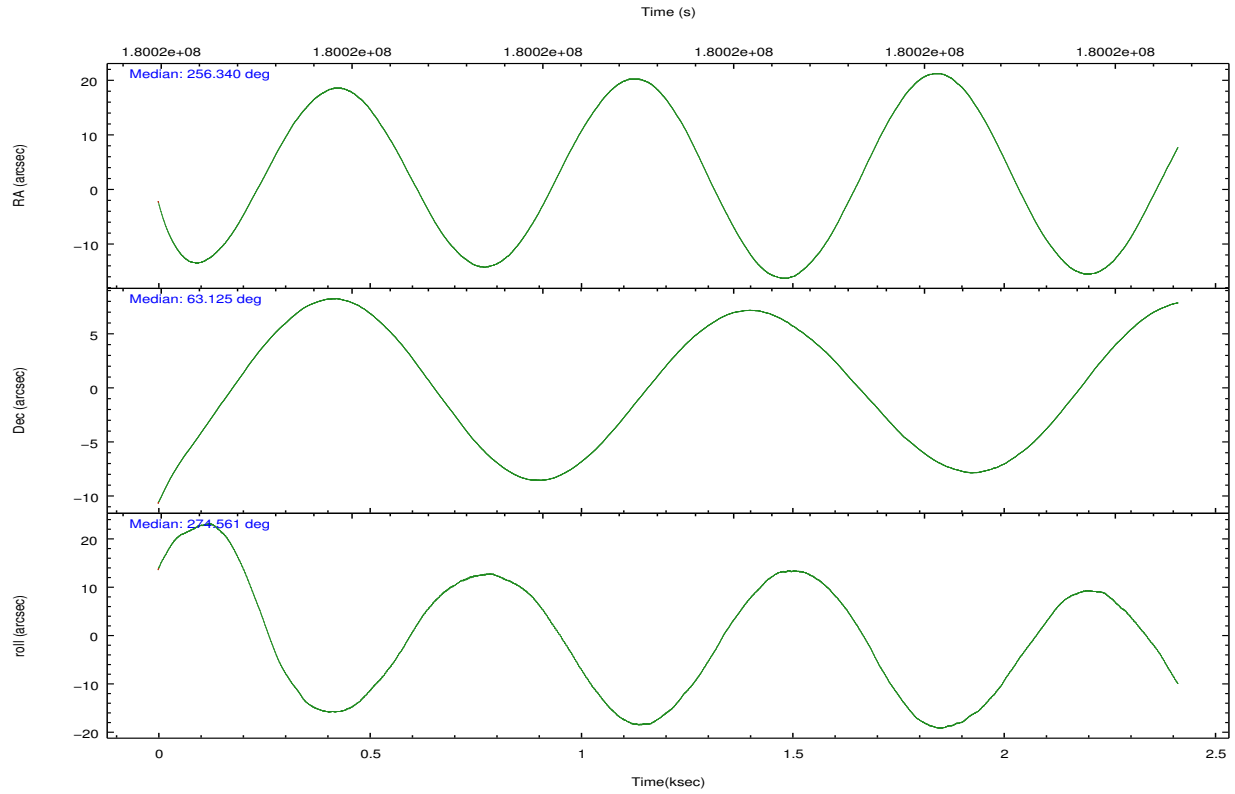
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	675	713	1188	605	634	1033
	5%	5%	6%	4%	3%	6%
grade 1 events	5	5	67	7	19	6
	0%	0%	0%	0%	0%	0%
grade 2 events	333	296	2706	317	1358	746
	2%	2%	14%	2%	8%	4%
grade 3 events	156	134	340	160	599	321
	1%	1%	1%	1%	3%	2%
grade 4 events	157	143	330	135	617	287
	1%	1%	1%	1%	3%	1%
grade 5 events	455	487	1425	583	1572	770
	3%	3%	7%	4%	9%	4%
grade 6 events	244	268	4413	294	3713	892
	1%	2%	23%	2%	22%	5%
grade 7 events	11005	10751	8504	10863	7939	11715
	84%	84%	44%	83%	48%	74%

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	256.305571	256.3401662002616	Subarray requested	NONE	NONE
[deg] Pointing Dec	63.147501	63.12531806727886	Alternating exposures requested	N	N
[deg] Pointing Roll	274.445006	274.5707813457795	[s] Primary exposure time	0.000000	3.2
[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)	180019531.184000	180018458.18435			
Observation start date	2003-09-15T13:24:27	2003-09-15T13:07:38			
[s] Observation end time (MET)	180021531.184000	180021845.29699			
Observation end date	2003-09-15T13:57:47	2003-09-15T14:04:05			
Read mode	TIMED	TIMED			

2.3 Aspect



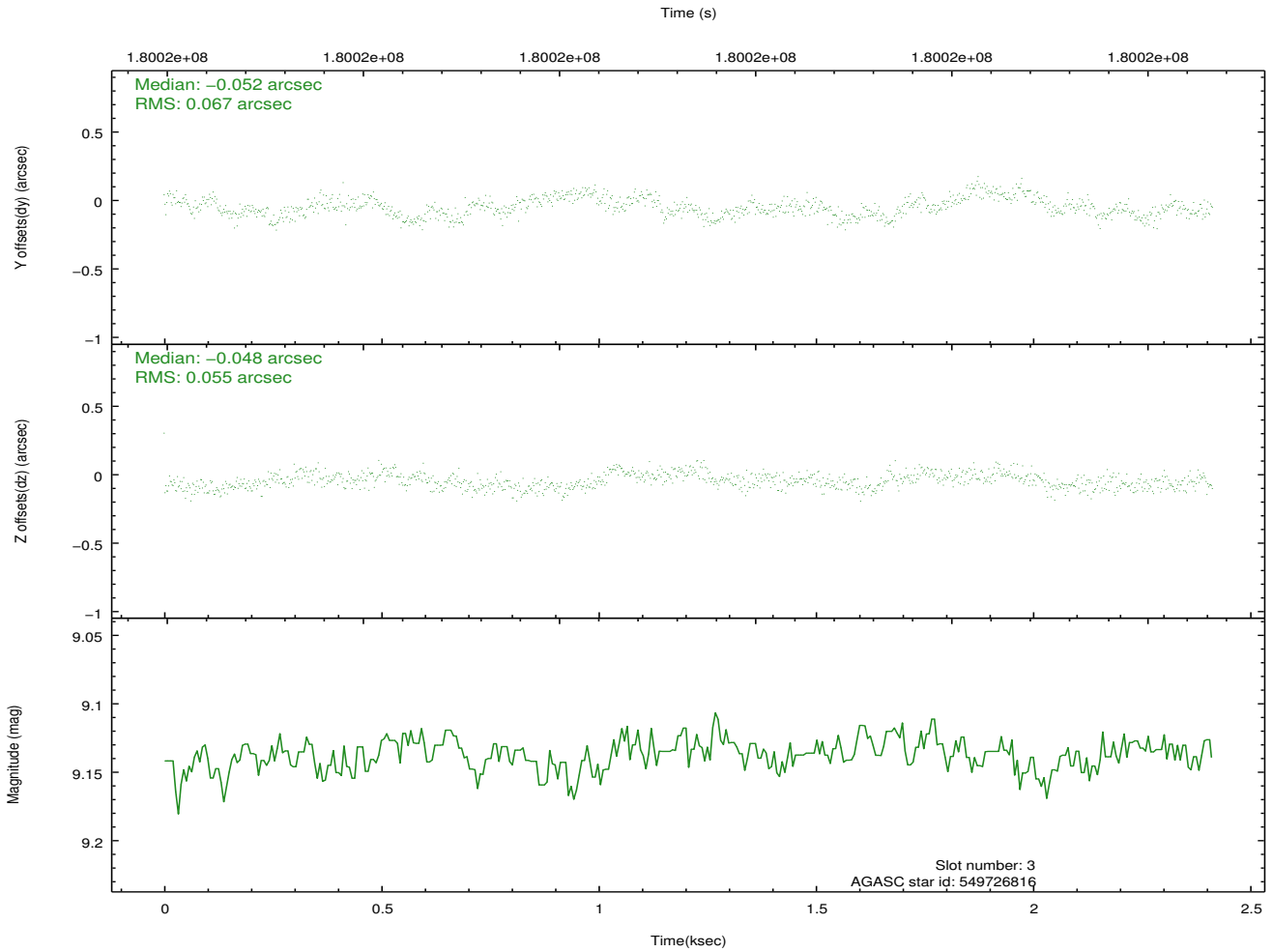
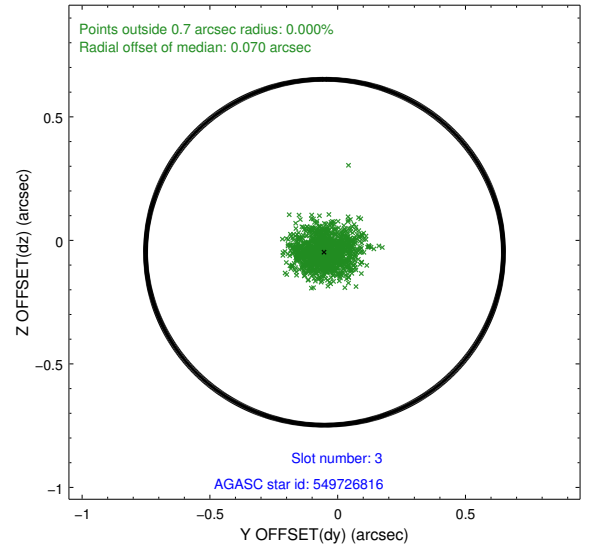
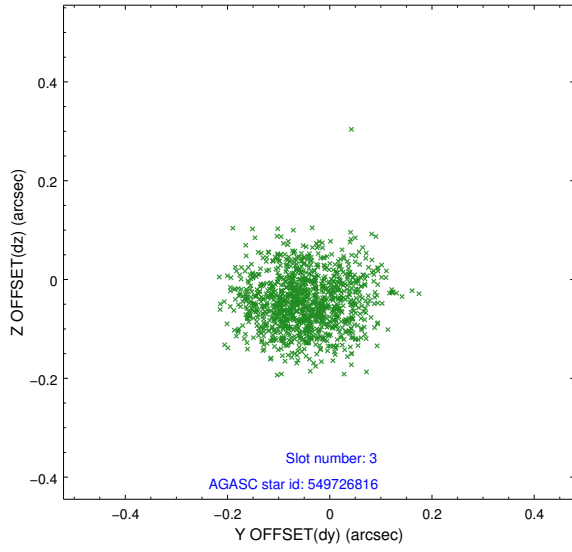


Slot Statistics

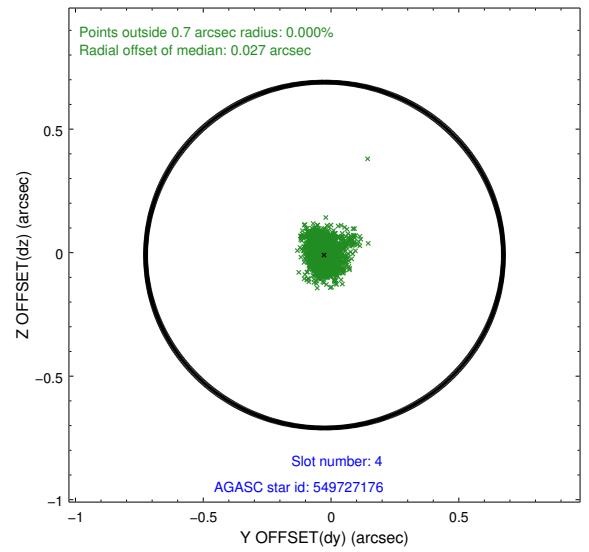
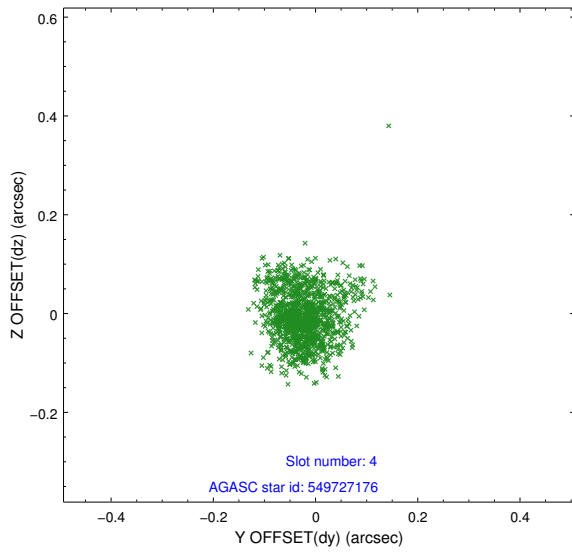
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	589	-0.053	-0.006	0.006	0.011	0.000000	0.000000	-758.97	-1732.26
1	FID	ACIS-S-4	7.20	589	0.056	0.027	0.005	0.009	0.000000	0.000000	2153.17	173.51
2	FID	ACIS-S-5	7.23	589	-0.034	-0.013	0.006	0.009	0.000000	0.000000	-1808.36	170.16
3	GUIDE	549726816	9.14	1178	-0.052	-0.048	0.095	0.148	257.095274	63.113685	213.07	1273.40
4	GUIDE	549727176	8.04	1178	-0.026	-0.010	0.073	0.117	256.892095	63.439389	-978.33	1024.69
5	GUIDE	549729368	9.83	1177	0.058	0.057	0.098	0.164	256.006296	62.944101	690.72	-543.49
6	GUIDE	550772496	9.79	1177	0.032	-0.046	0.101	0.159	257.405708	63.284449	-367.99	1814.58
7	GUIDE	549728344	9.91	1177	-0.016	0.035	0.121	0.195	254.706463	63.610084	-1889.94	-2417.36

2.4 Star Slots

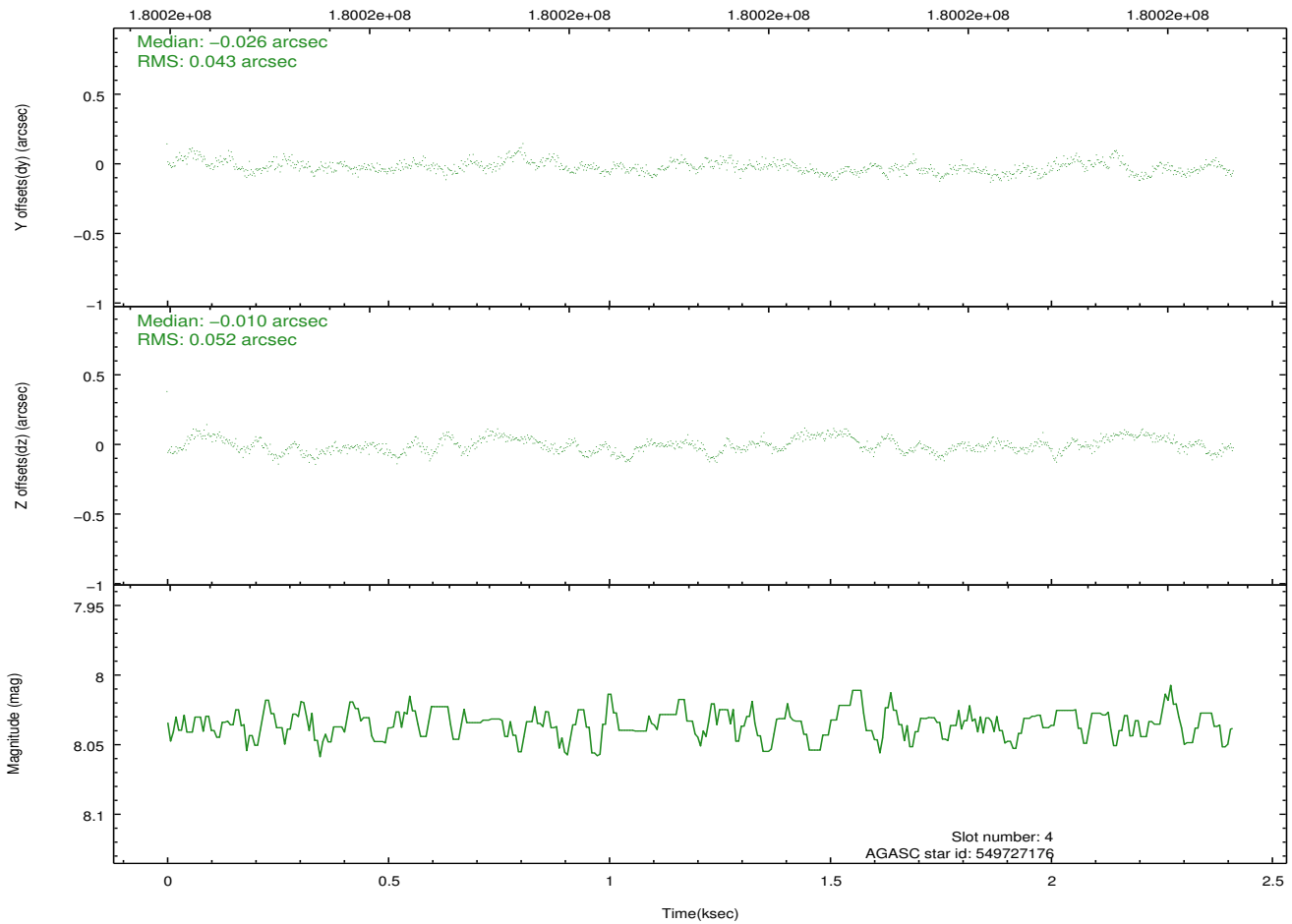
2.4.1 Slot 3



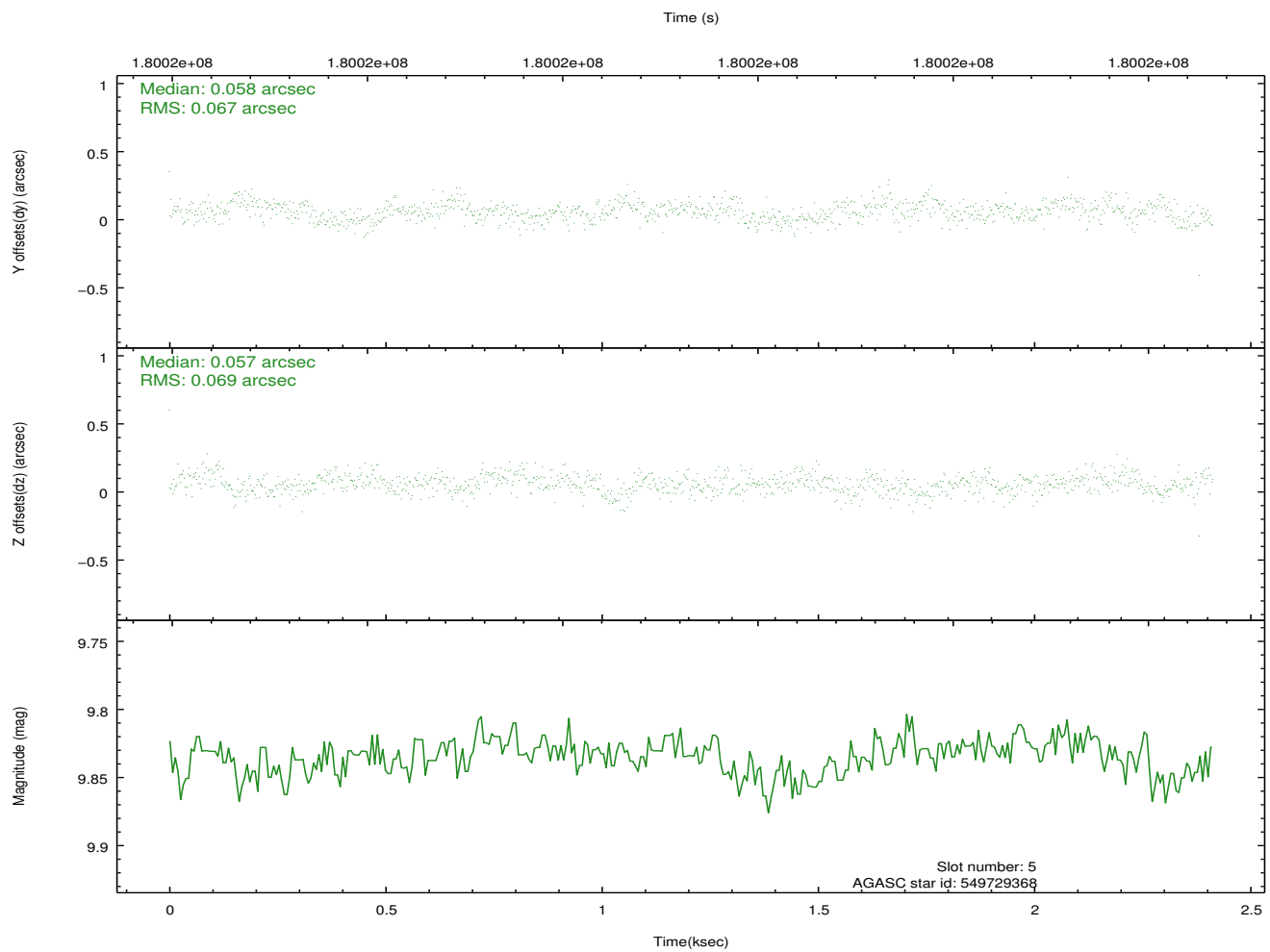
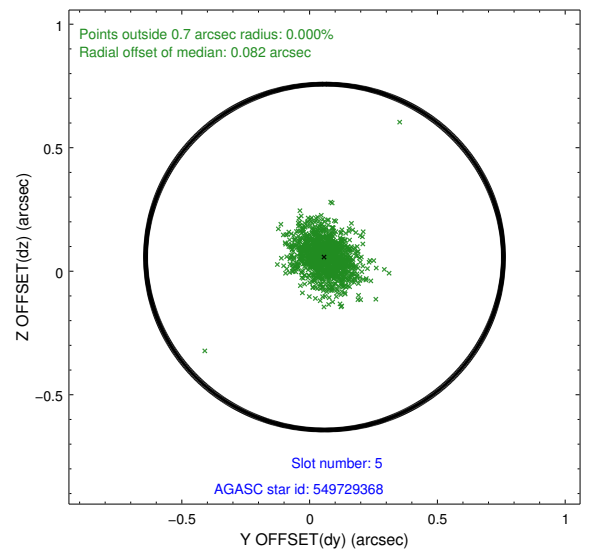
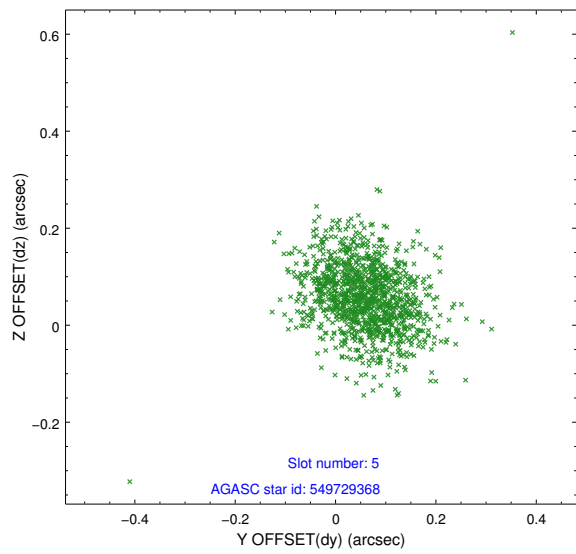
2.4.2 Slot 4



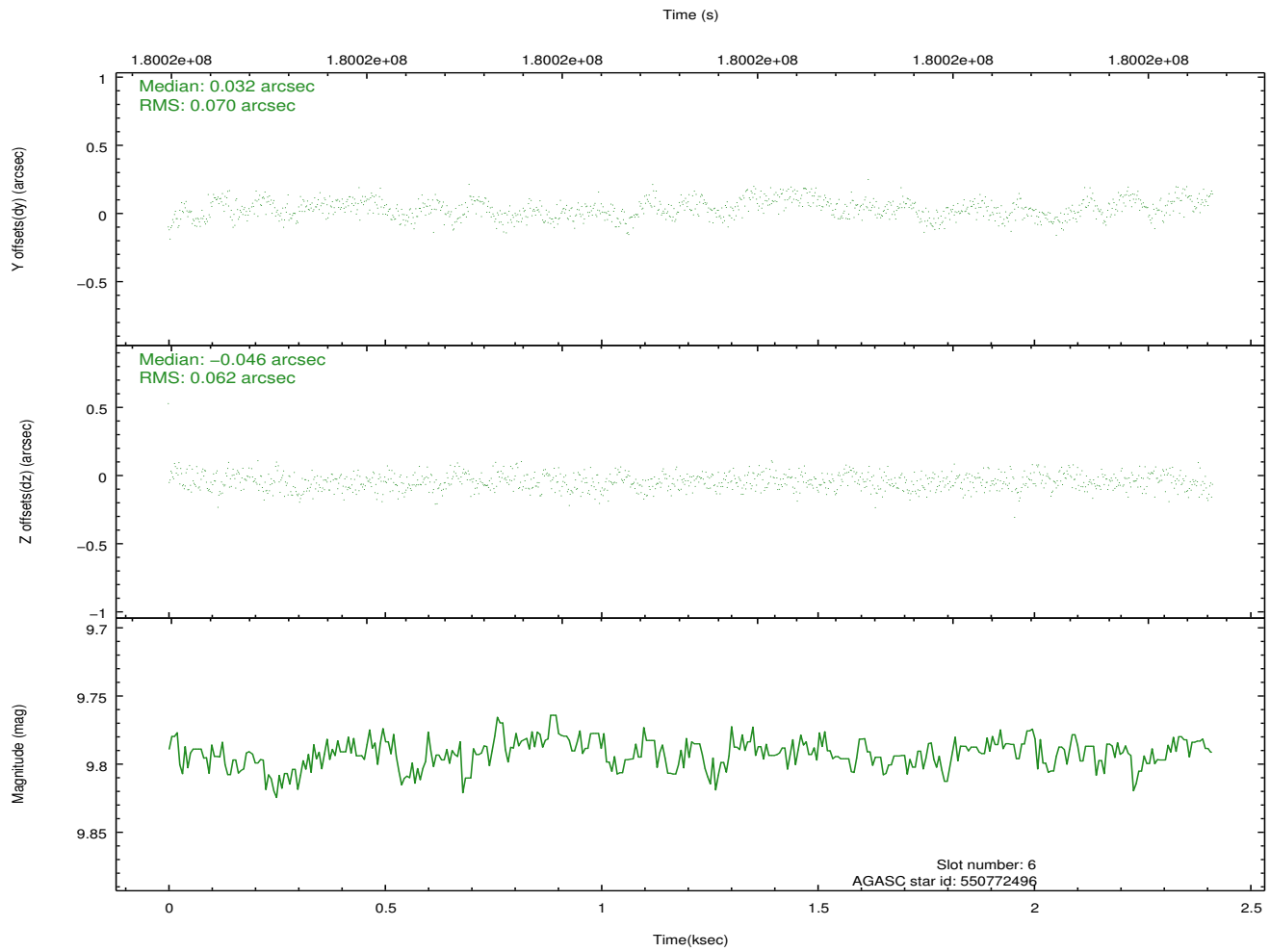
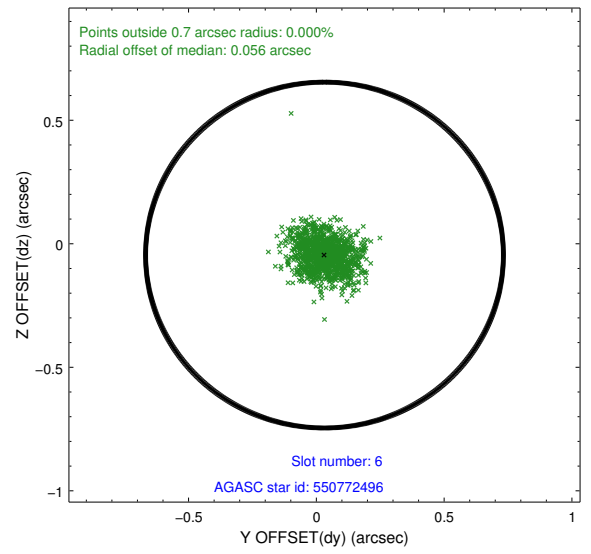
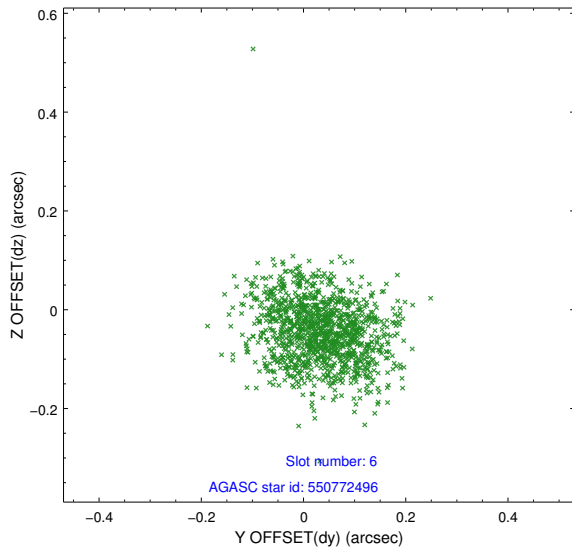
Time (s)



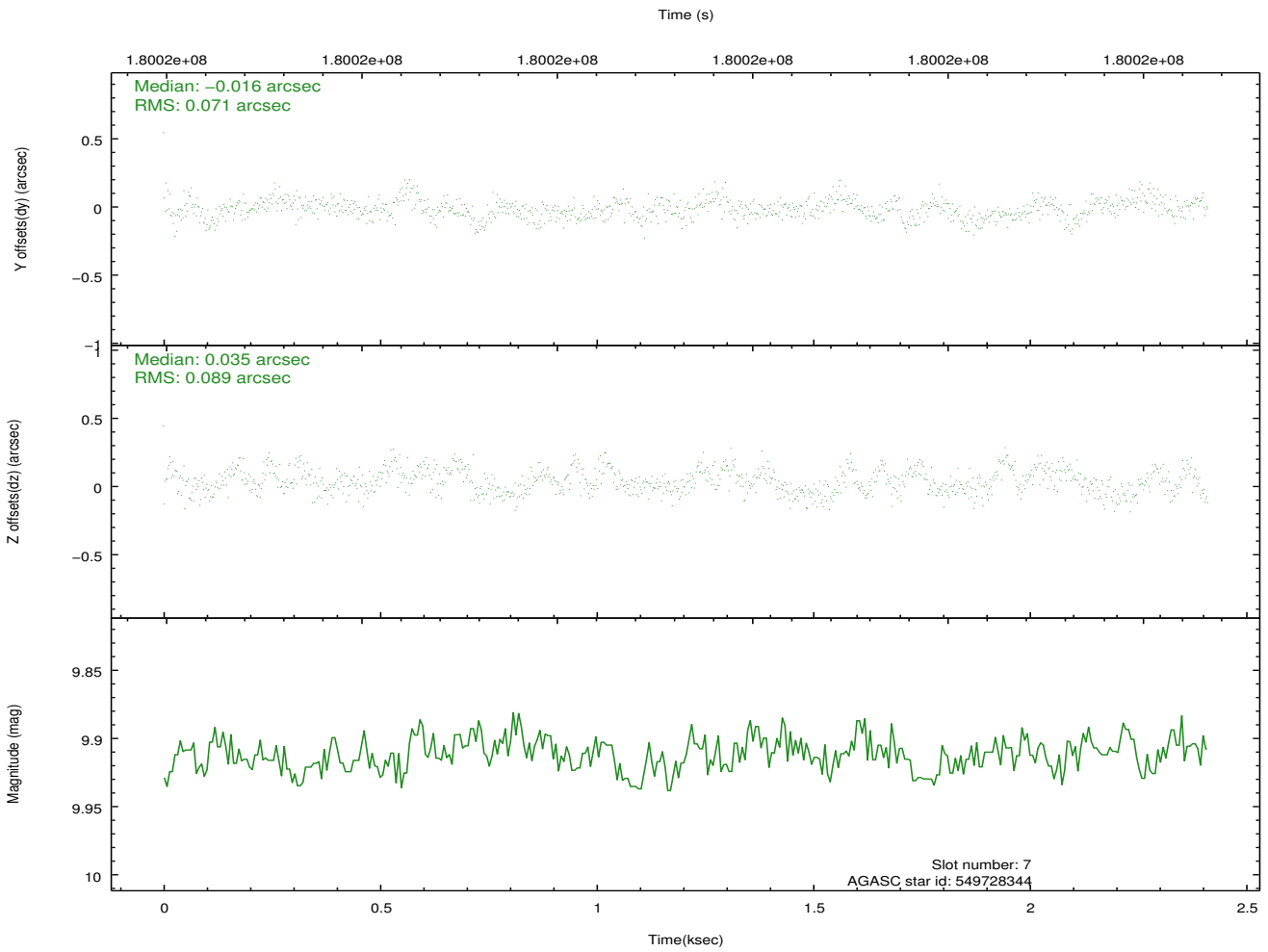
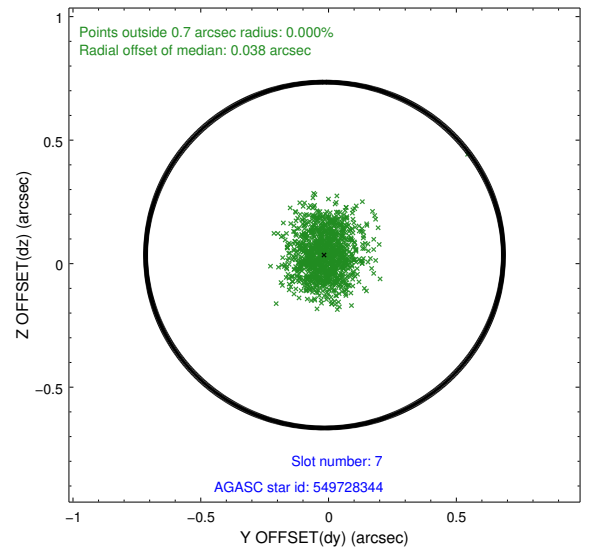
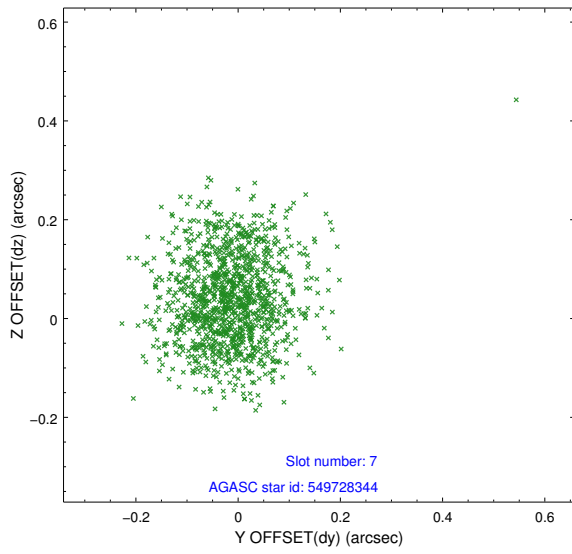
2.4.3 Slot 5



2.4.4 Slot 6

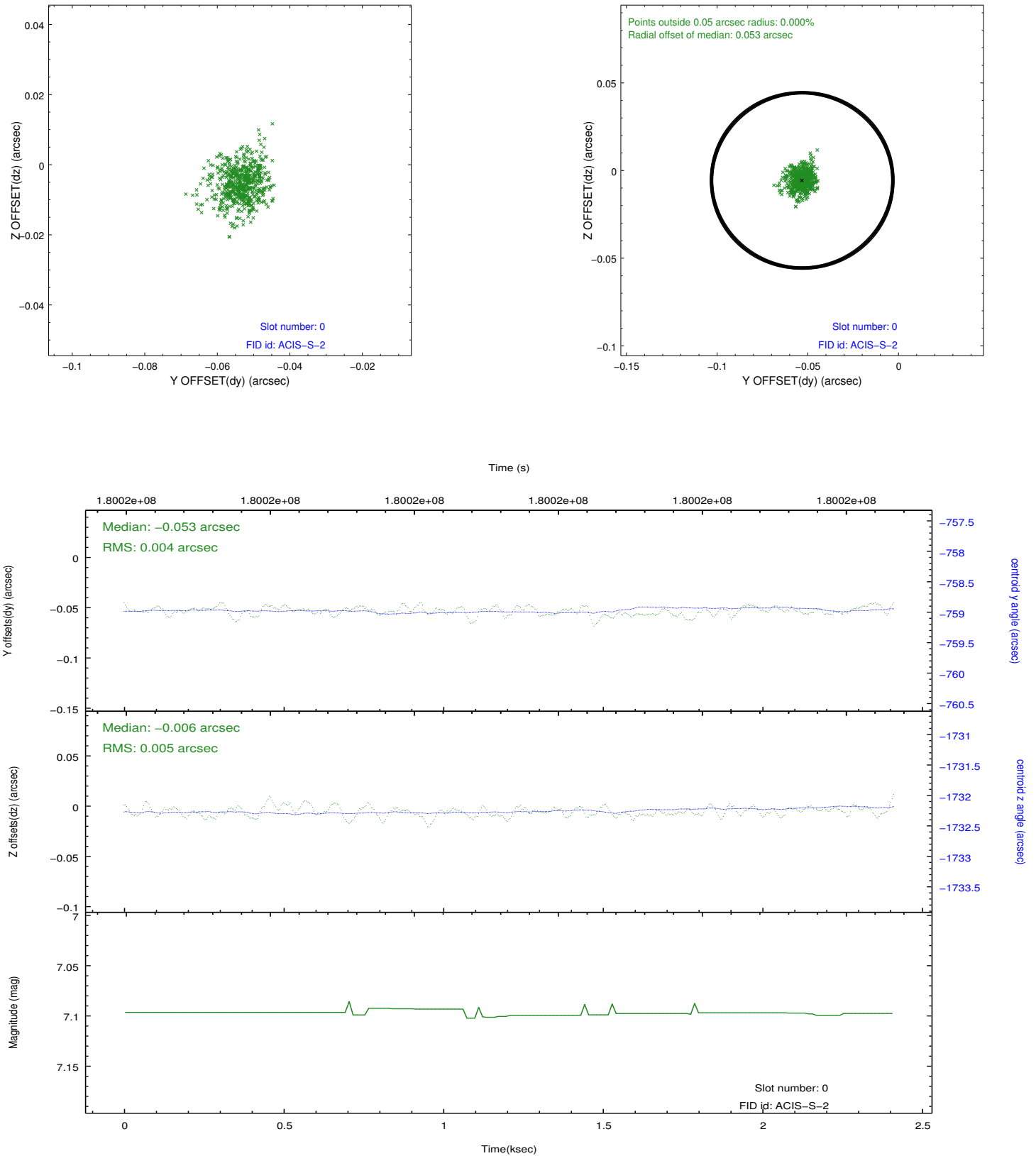


2.4.5 Slot 7

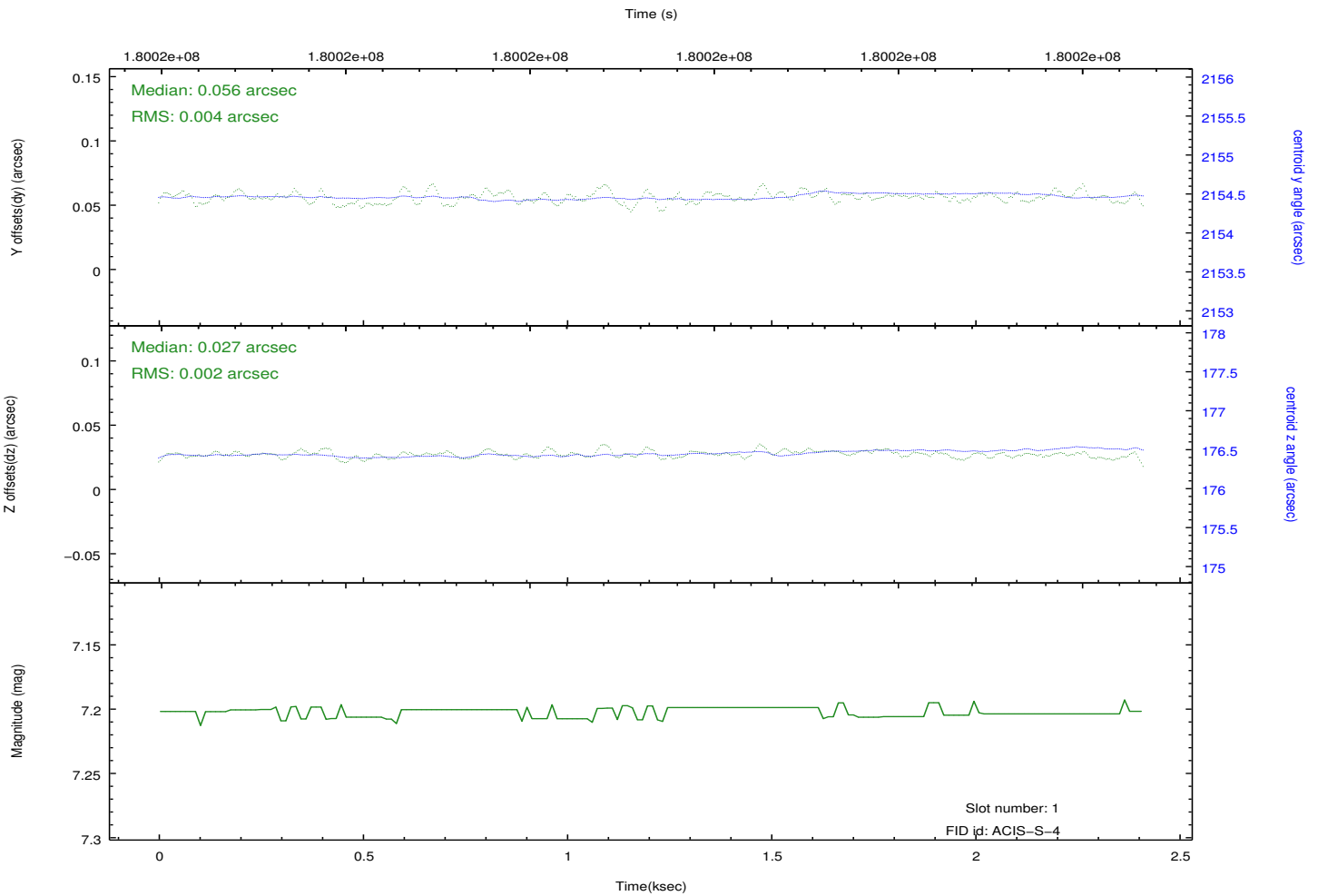
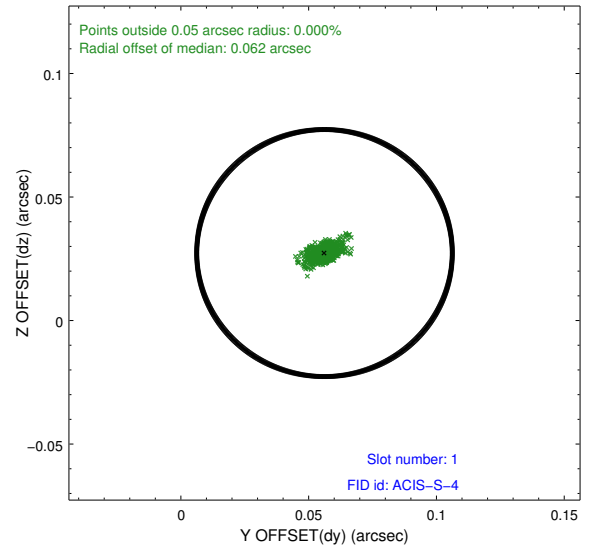
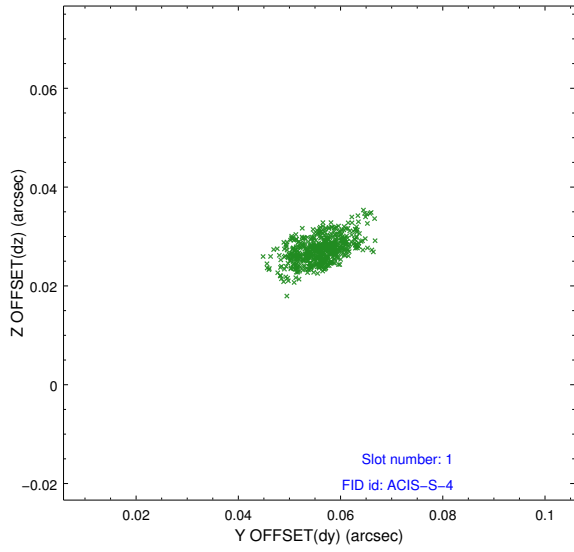


2.5 FID Slots

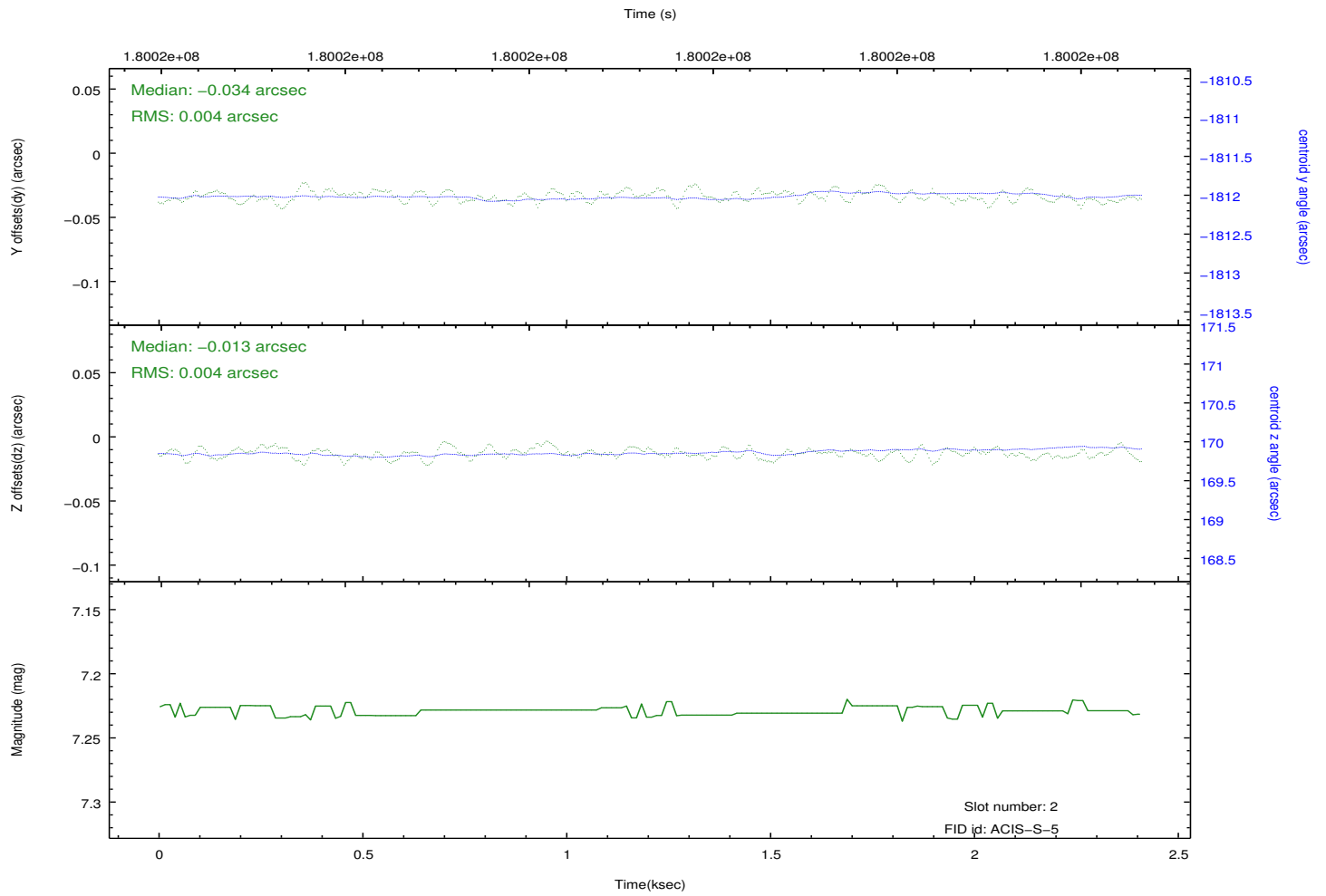
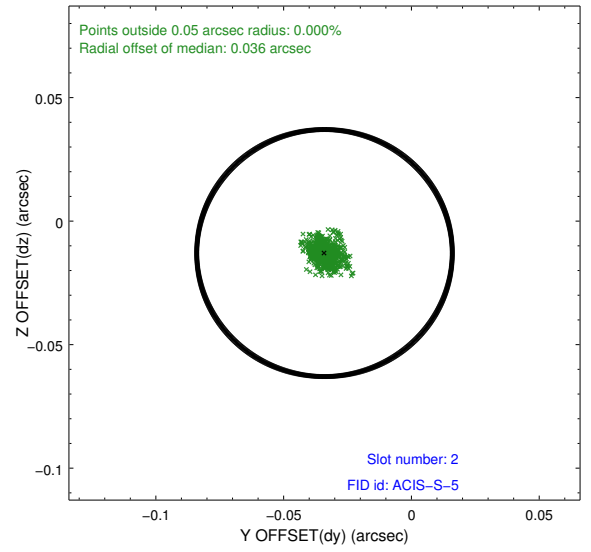
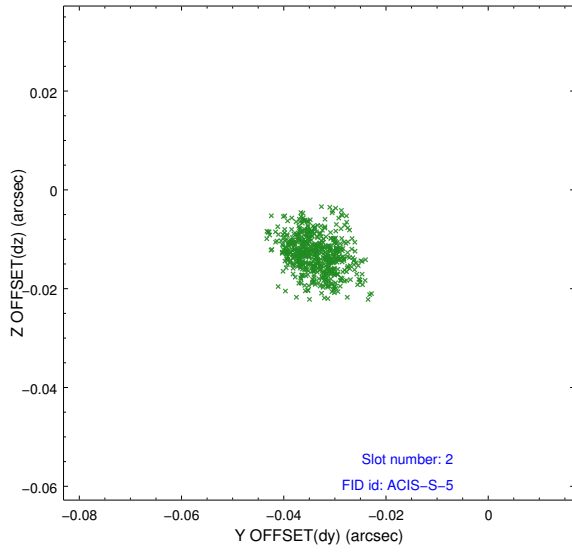
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.961

A.2 Comments