

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5657 - L2 Version 4
Chandra X-Ray Center

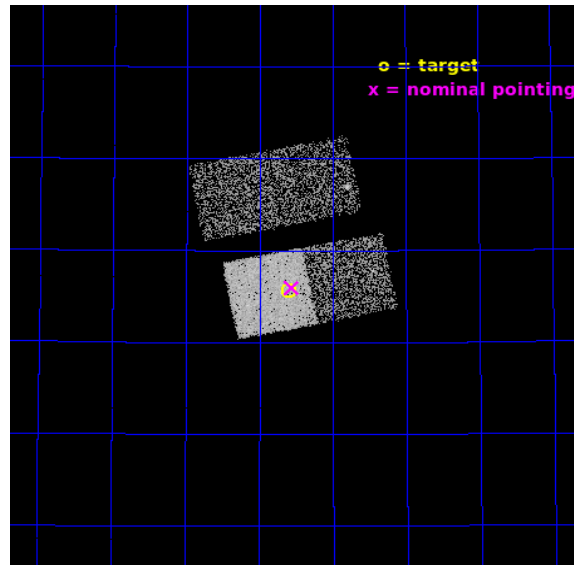
L2 Processing Date : Oct 6 2020

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1 Front

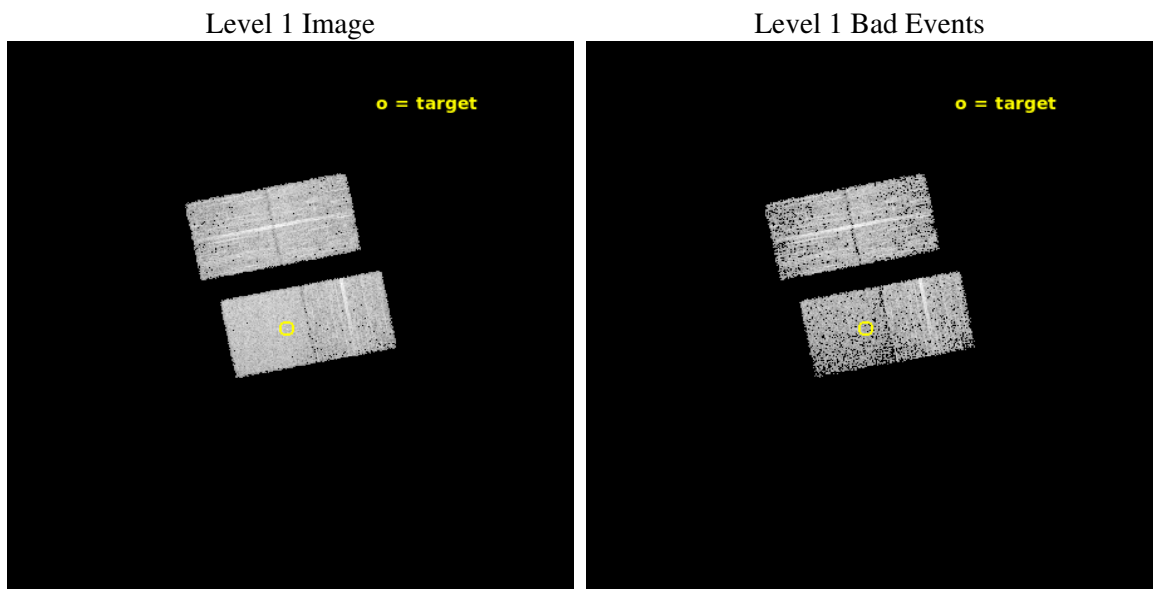
seq_num	701080	Sequence number
obs_id	5657	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Professor Karen Leighly	Principal investigator
object	SDSS J091836.46+591535.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.652083	Observer's specified target RA [deg]
dec_targ	59.259833	Observer's specified target Dec [deg]
ra_nom	139.63951296976	Nominal RA [deg]
dec_nom	59.265987992176	Nominal Dec [deg]
roll_nom	168.79695021244	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4972.3999904096	Sum of GTIs [s]
livetime	4907.4319239073	Livetime [s]
ontime2	4969.2590201795	Sum of GTIs [s]
ontime3	4972.3999904096	Sum of GTIs [s]
ontime6	4972.3999904096	Sum of GTIs [s]
ontime7	4972.3999904096	Sum of GTIs [s]
l2events	22363	Number of level 2 events



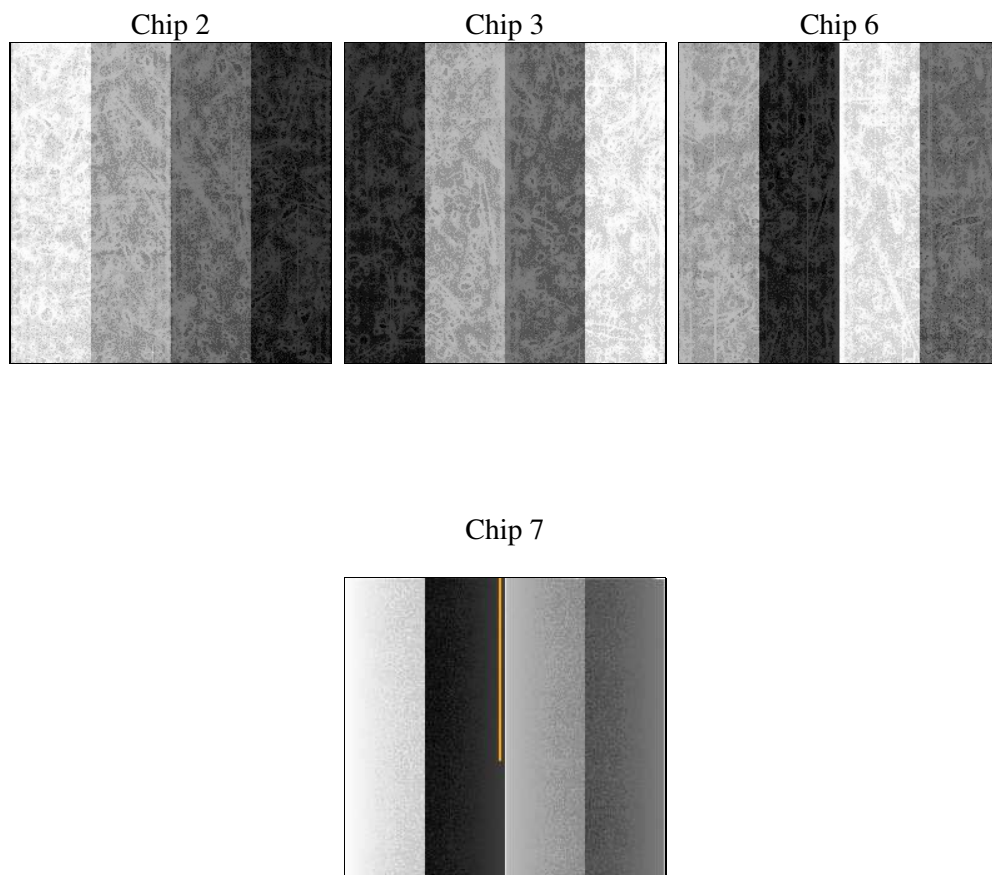
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4972.3999904096	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4969.2590201795	Sum of GTIs [s]
date	2020-10-06T09:40:12	Date and time of file creation	ontime3	4972.3999904096	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	4972.3999904096	Sum of GTIs [s]
			ontime7	4972.3999904096	Sum of GTIs [s]
			l1events	132313	Number of level 1 events

2.1.4 Events

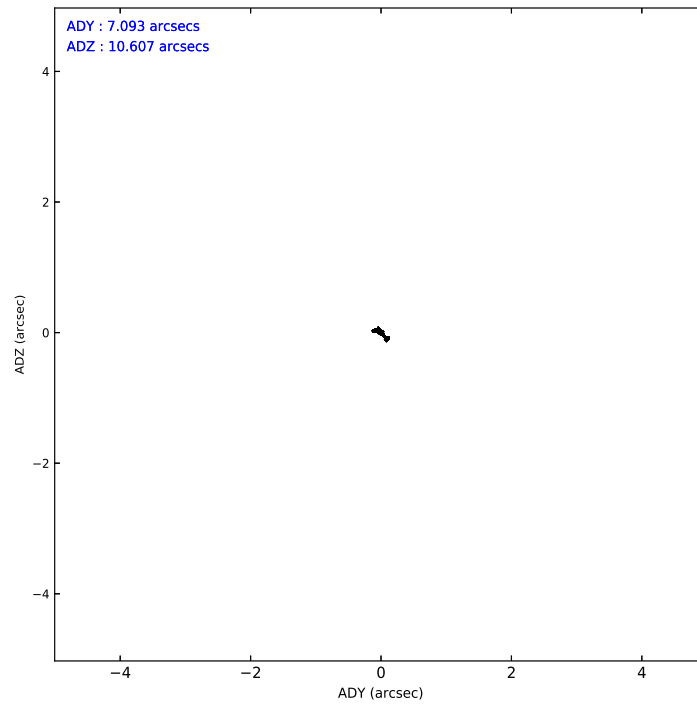
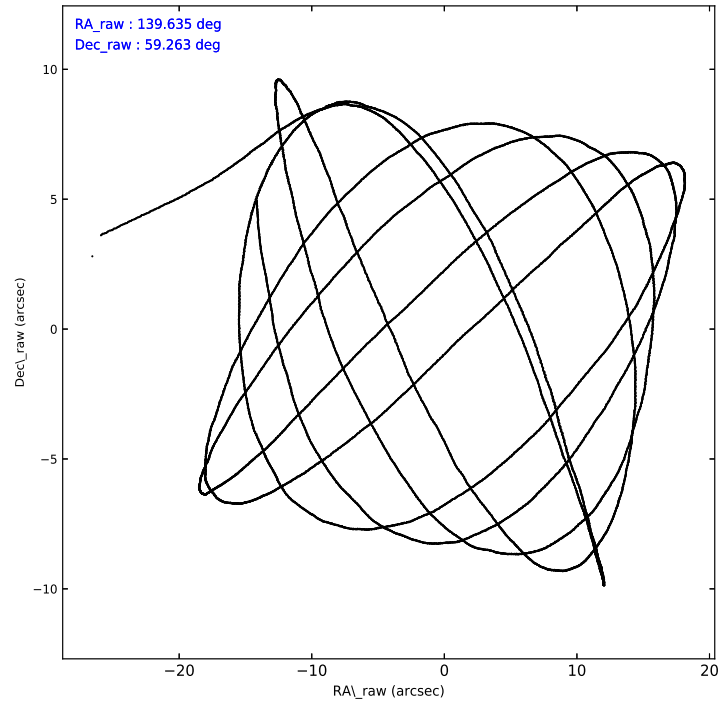
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33850	32323	31530	34610
rejected events	30864	29530	28197	19564
rejected %	91%	91%	89%	56%

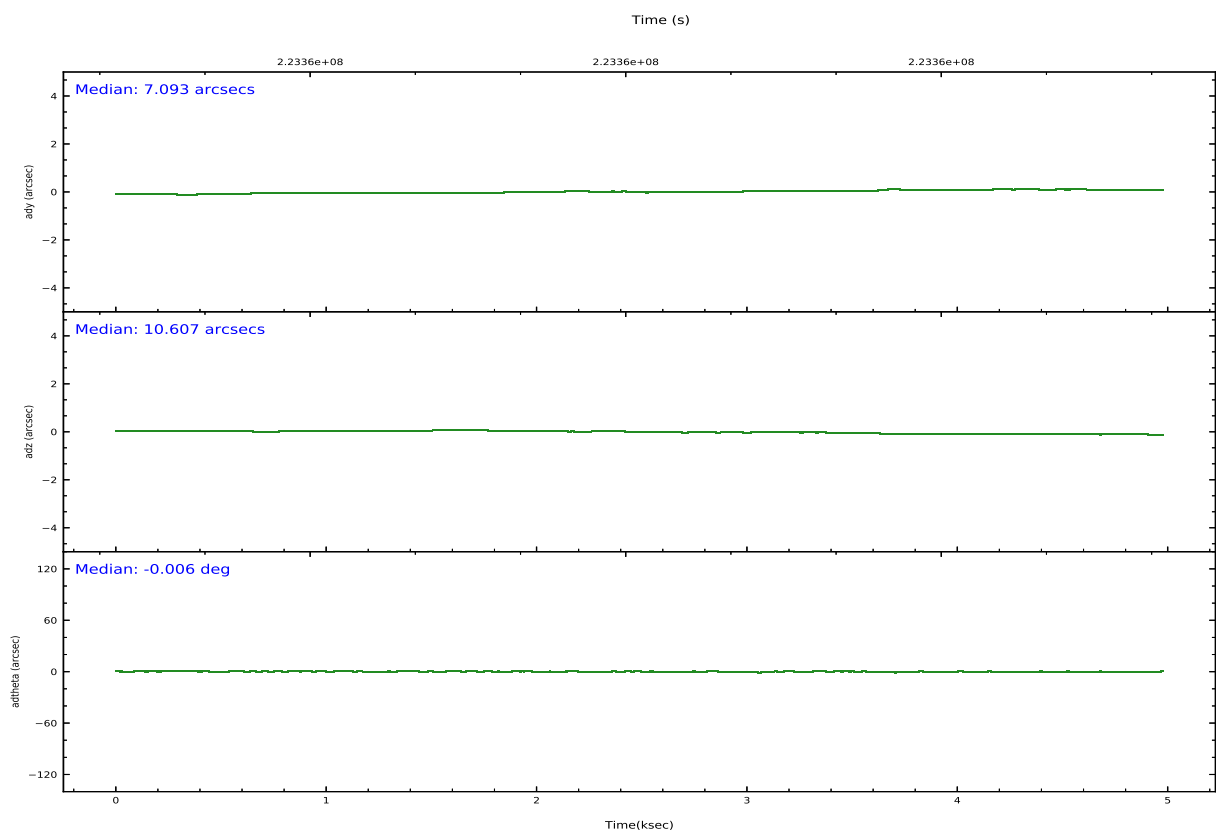
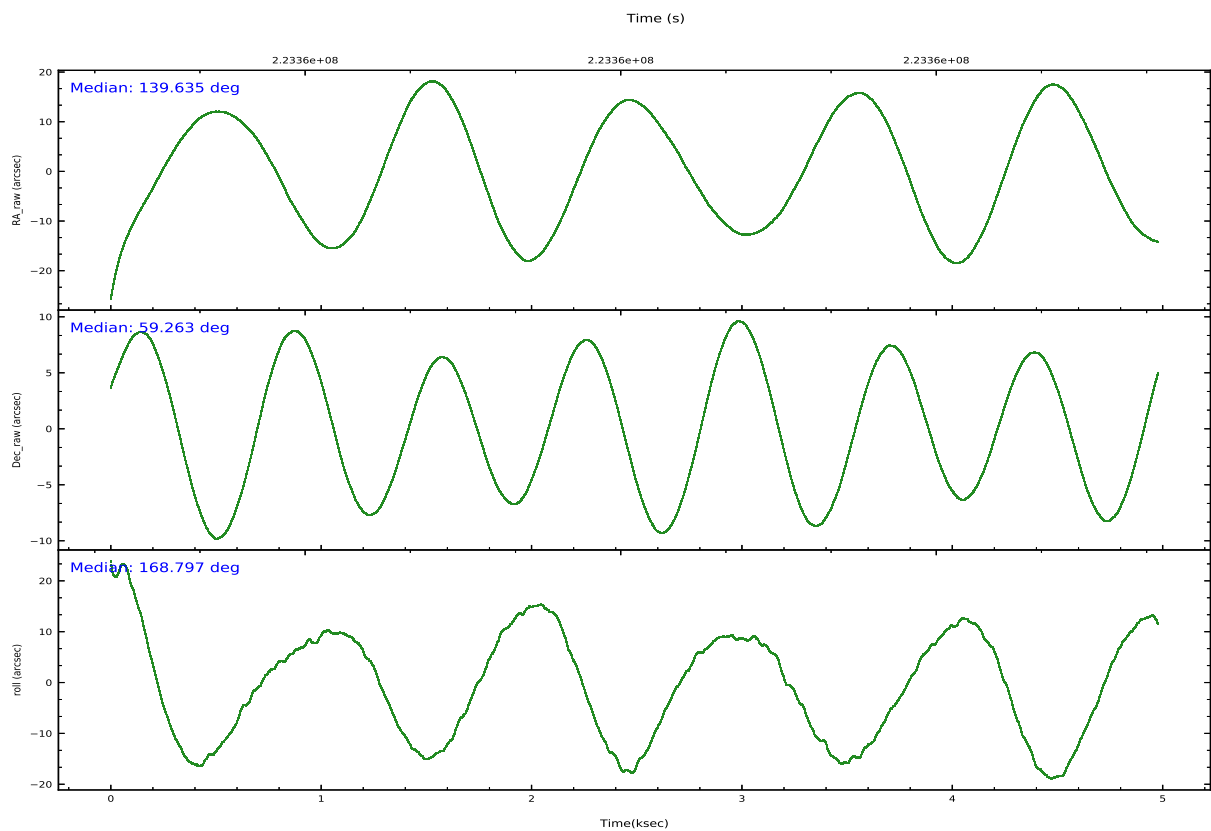
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1166	1057	1246	1461
	3%	3%	3%	4%
grade 1 events	14	16	21	27
	0%	0%	0%	0%
grade 2 events	788	628	732	3216
	2%	1%	2%	9%
grade 3 events	316	360	405	1518
	0%	1%	1%	4%
grade 4 events	342	351	385	1494
	1%	1%	1%	4%
grade 5 events	1025	1266	1255	3756
	3%	3%	3%	10%
grade 6 events	557	564	744	8178
	1%	1%	2%	23%
grade 7 events	29642	28081	26742	14960
	87%	86%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	139.684669	139.63951296976	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.272474	59.265987992176	Alternating exposures requested	N	N
[deg] Pointing Roll	168.600209	168.79695021244	[s] Primary exposure time	0.000000	3.1
[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)	223359255.184000	223358183.00926			
Observation start date	2005-01-29T04:13:11	2005-01-29T03:56:23			
[s] Observation end time (MET)	223364055.184000	223364440.63455			
Observation end date	2005-01-29T05:33:11	2005-01-29T05:40:40			
Read mode	TIMED	TIMED			

2.3 Aspect



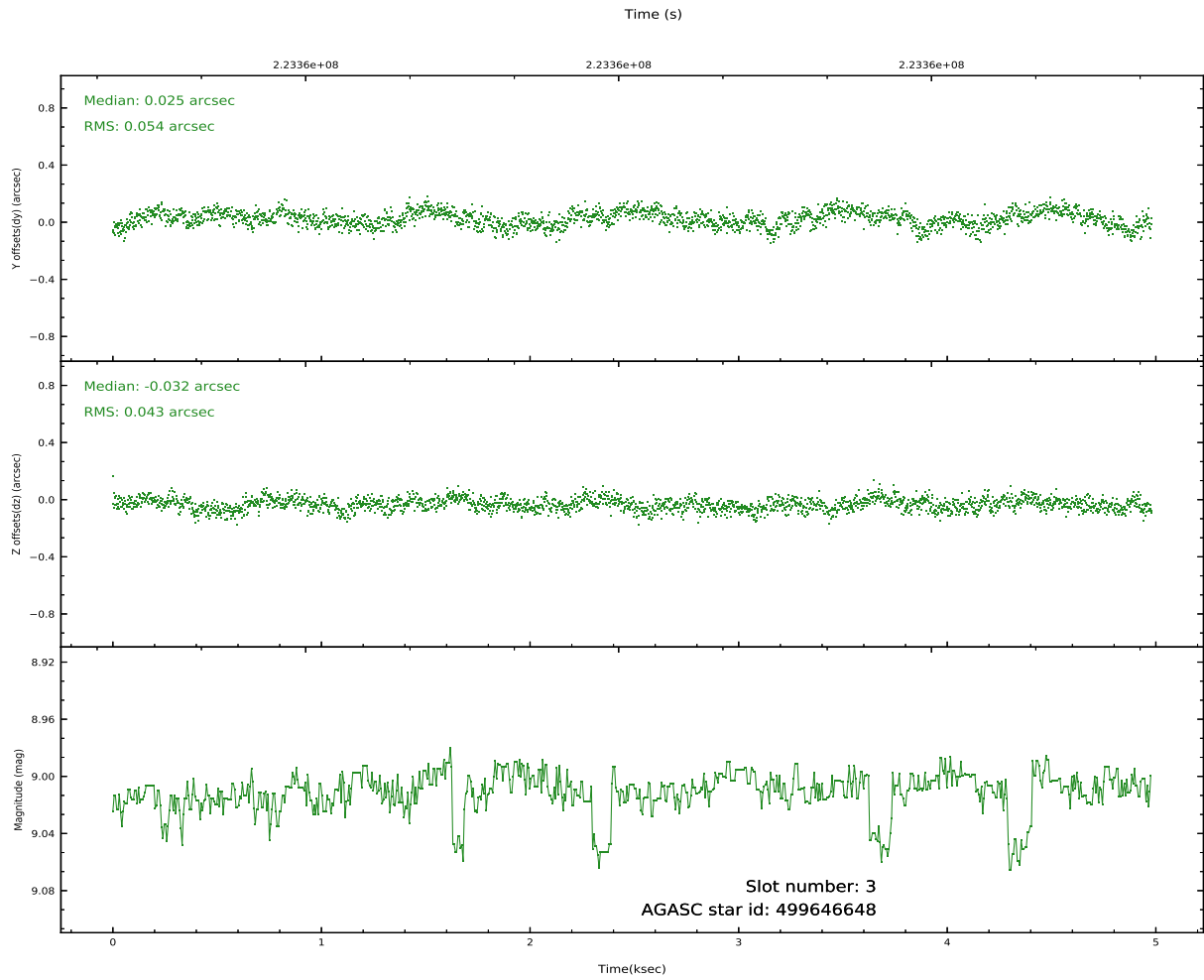
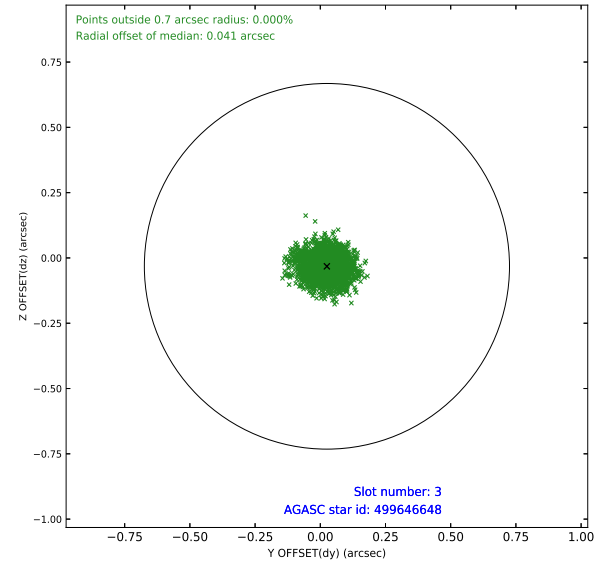
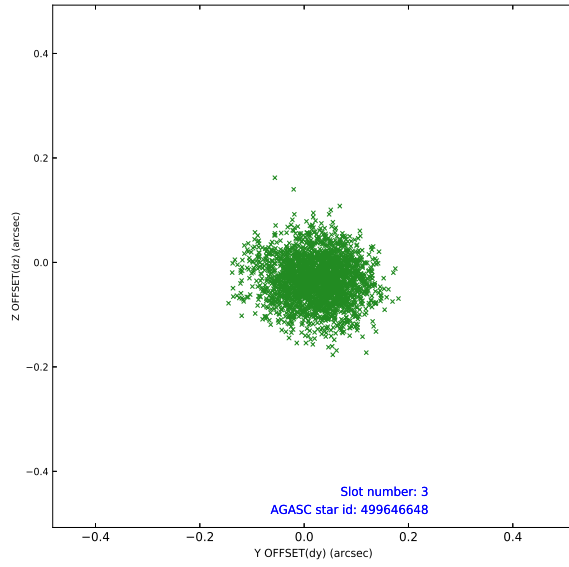


Slot Statistics

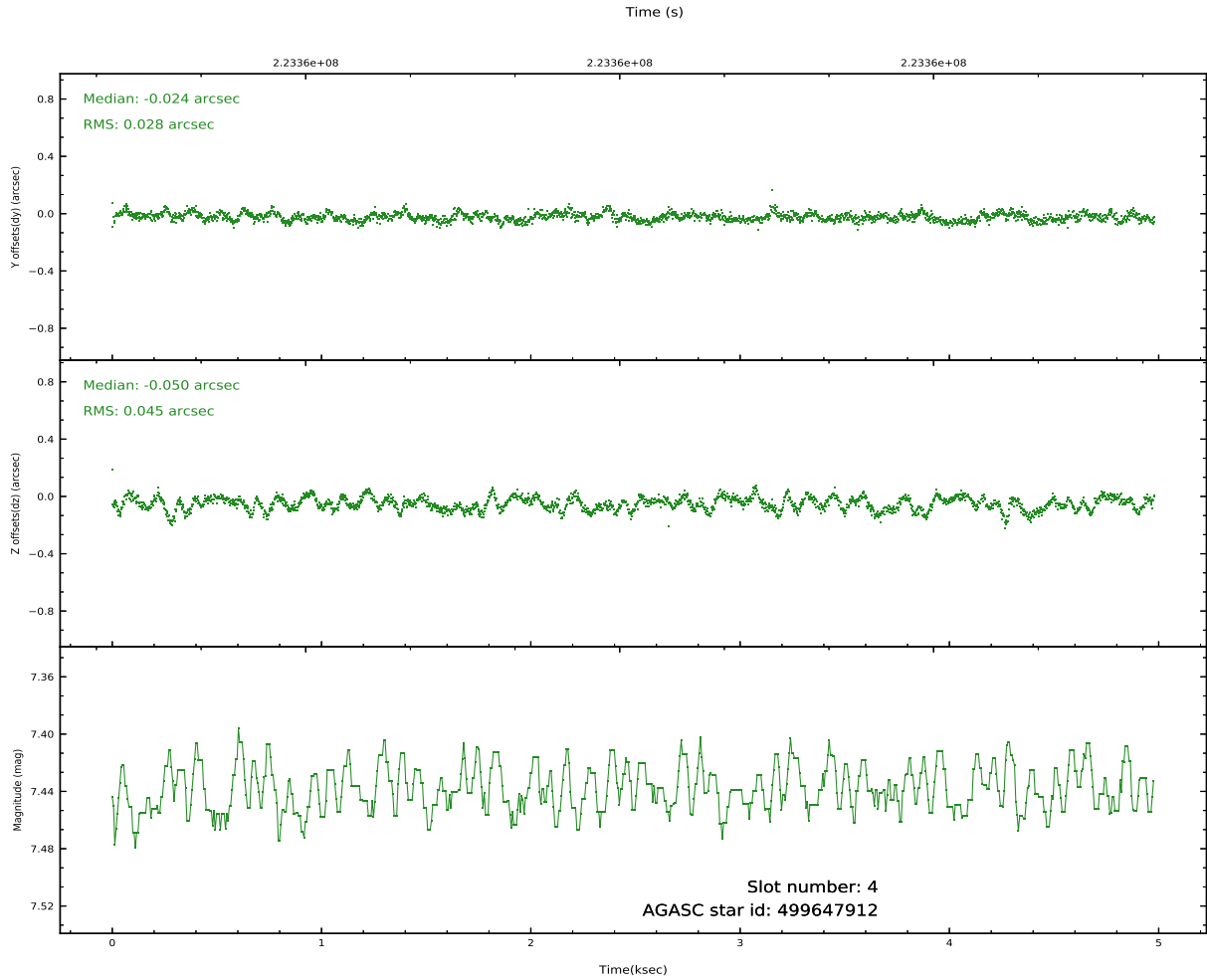
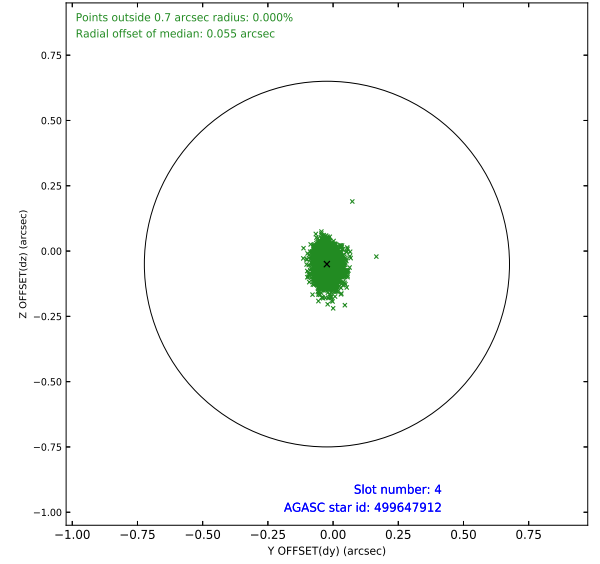
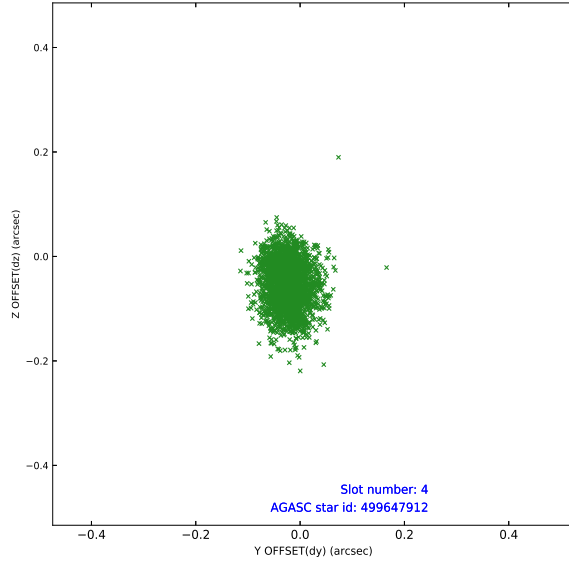
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1214	1.000	-0.083	-0.053	0.007	0.010	0.000000	0.000000	-759.87	-1731
1	FID		ACIS-S-4	7.21	1215	1.000	0.148	0.054	0.006	0.011	0.000000	0.000000	2153.01	175
2	FID		ACIS-S-5	7.23	1215	1.000	-0.097	0.008	0.006	0.010	0.000000	0.000000	-1811.23	170
3	GUIDE	used	499646648	9.01	2426	1.000	0.025	-0.032	0.074	0.120	140.323063	59.053336	-1313.24	534
4	GUIDE	used	499647912	7.44	2430	1.000	-0.024	-0.050	0.056	0.091	140.122750	59.780701	-416.37	-1952
5	GUIDE	used	499648696	9.40	2426	1.000	-0.053	-0.026	0.122	0.191	140.684286	59.831807	-1371.80	-2345
6	GUIDE	used	499650904	9.41	2430	1.000	0.119	0.053	0.103	0.170	140.944462	59.318618	-2231.45	-642
7	GUIDE	used	499658904	10.31	2426	1.000	-0.062	0.054	0.144	0.235	139.272728	58.811932	424.34	1775

2.4 Star Slots

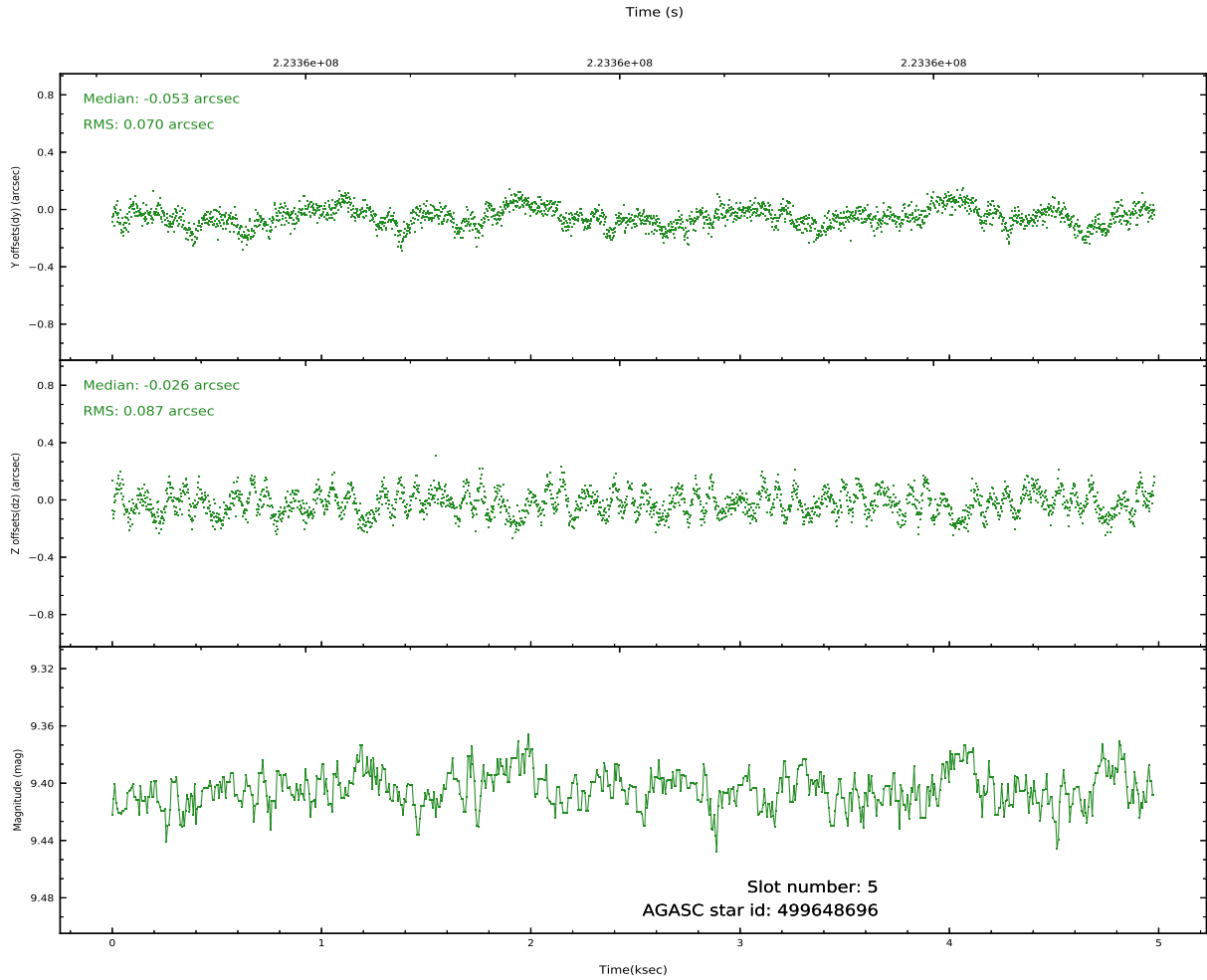
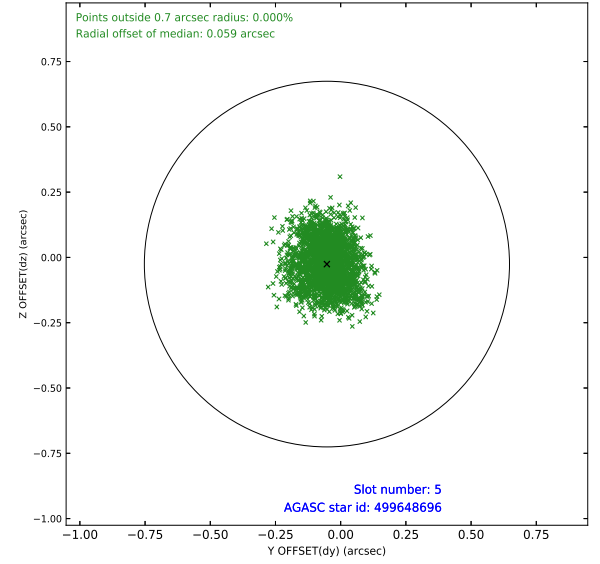
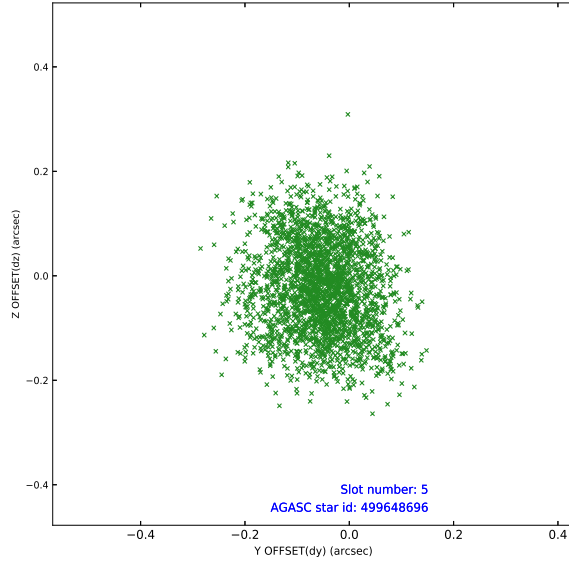
2.4.1 Slot 3



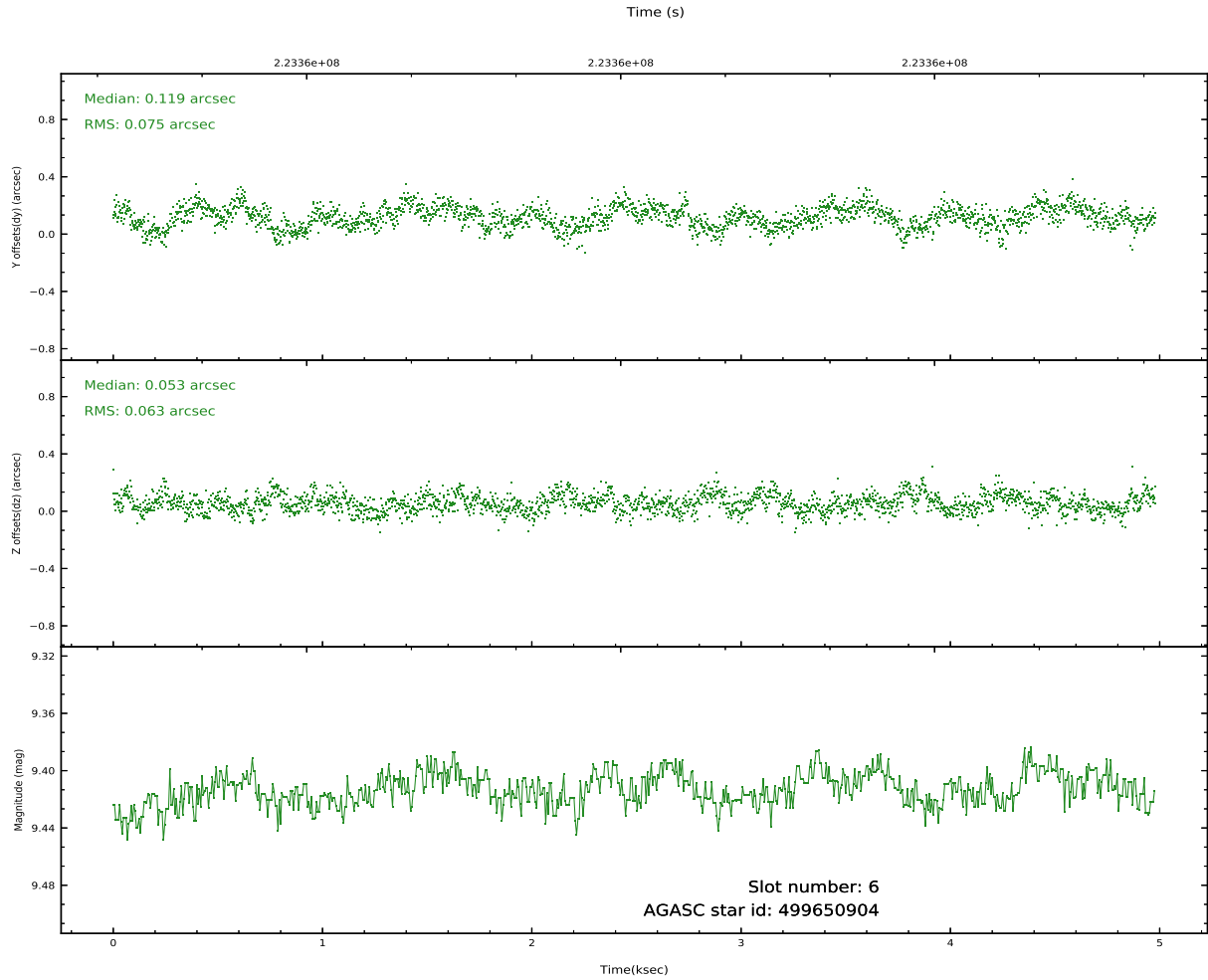
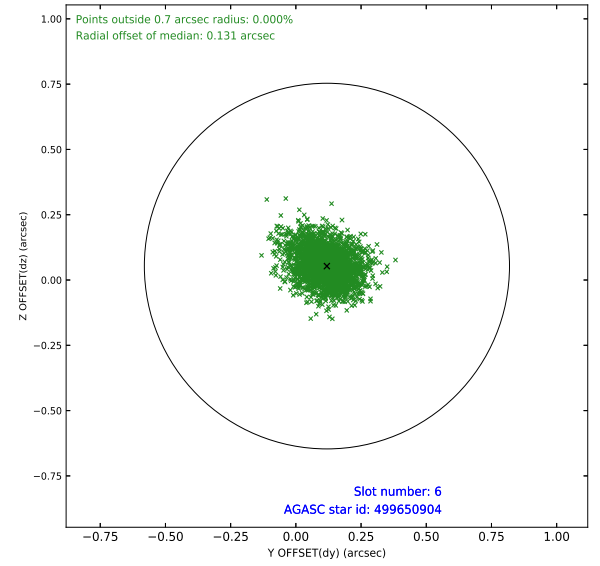
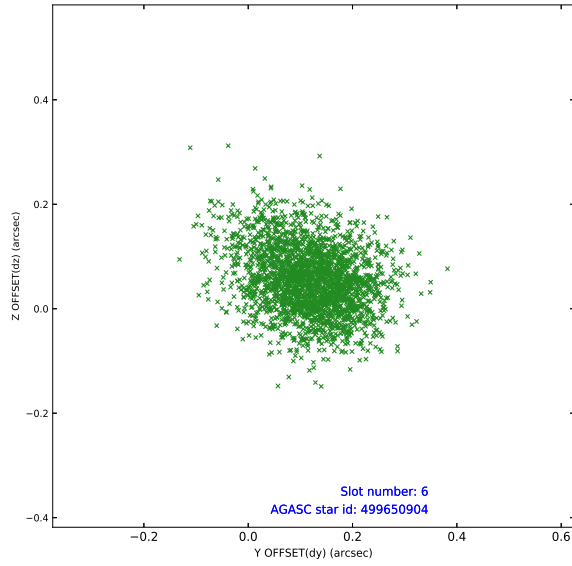
2.4.2 Slot 4



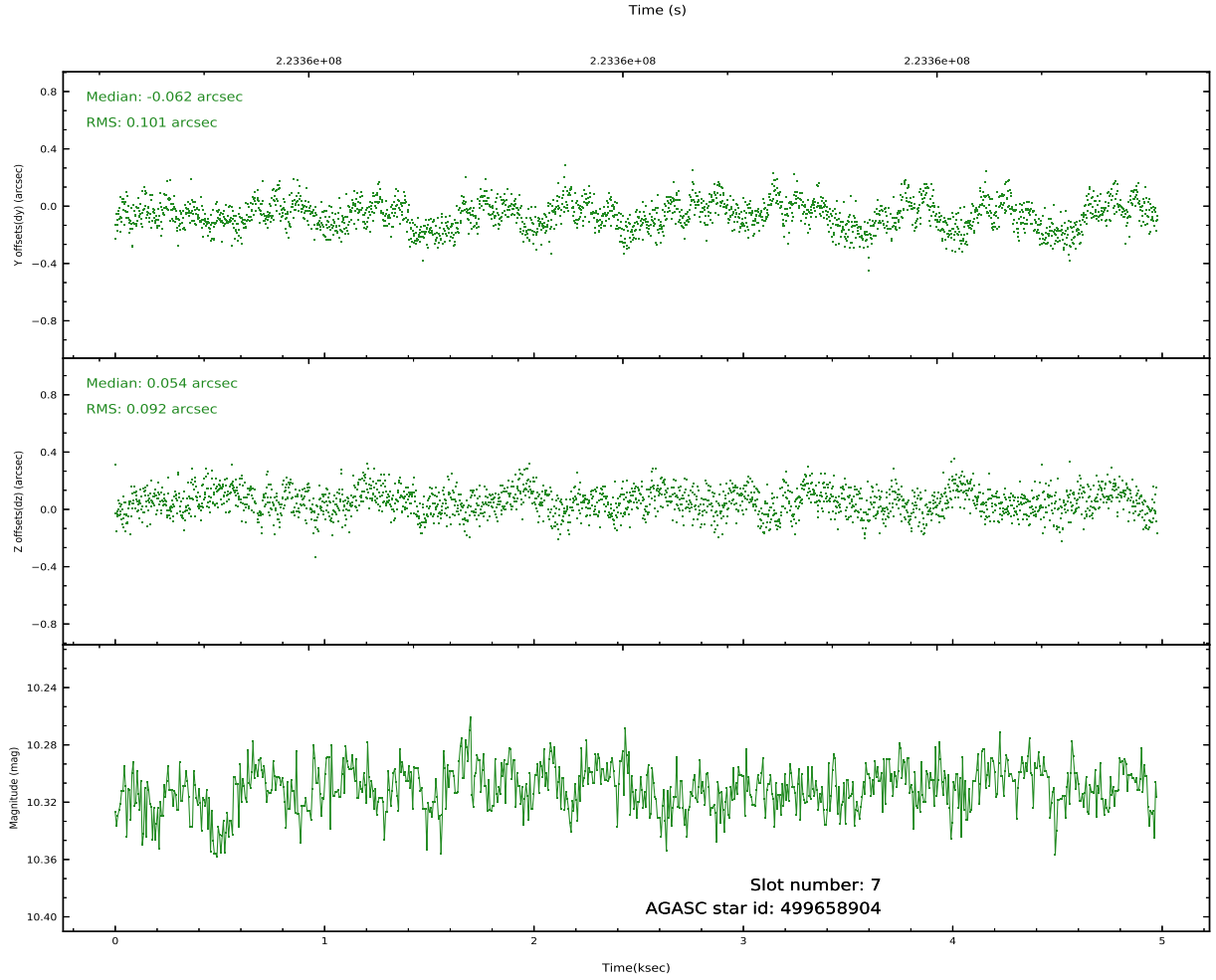
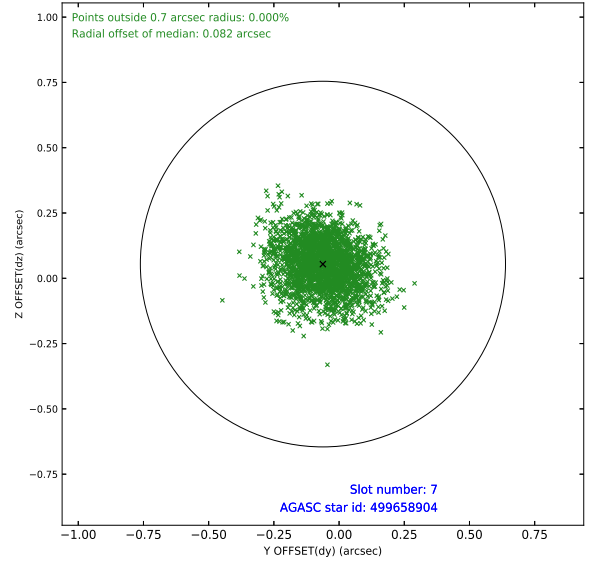
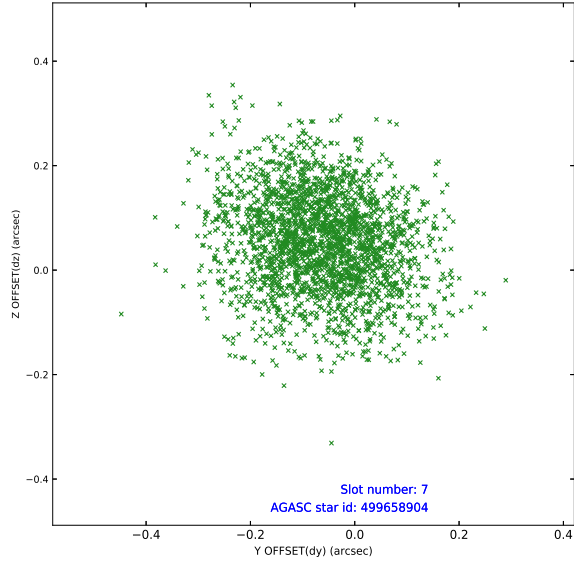
2.4.3 Slot 5



2.4.4 Slot 6

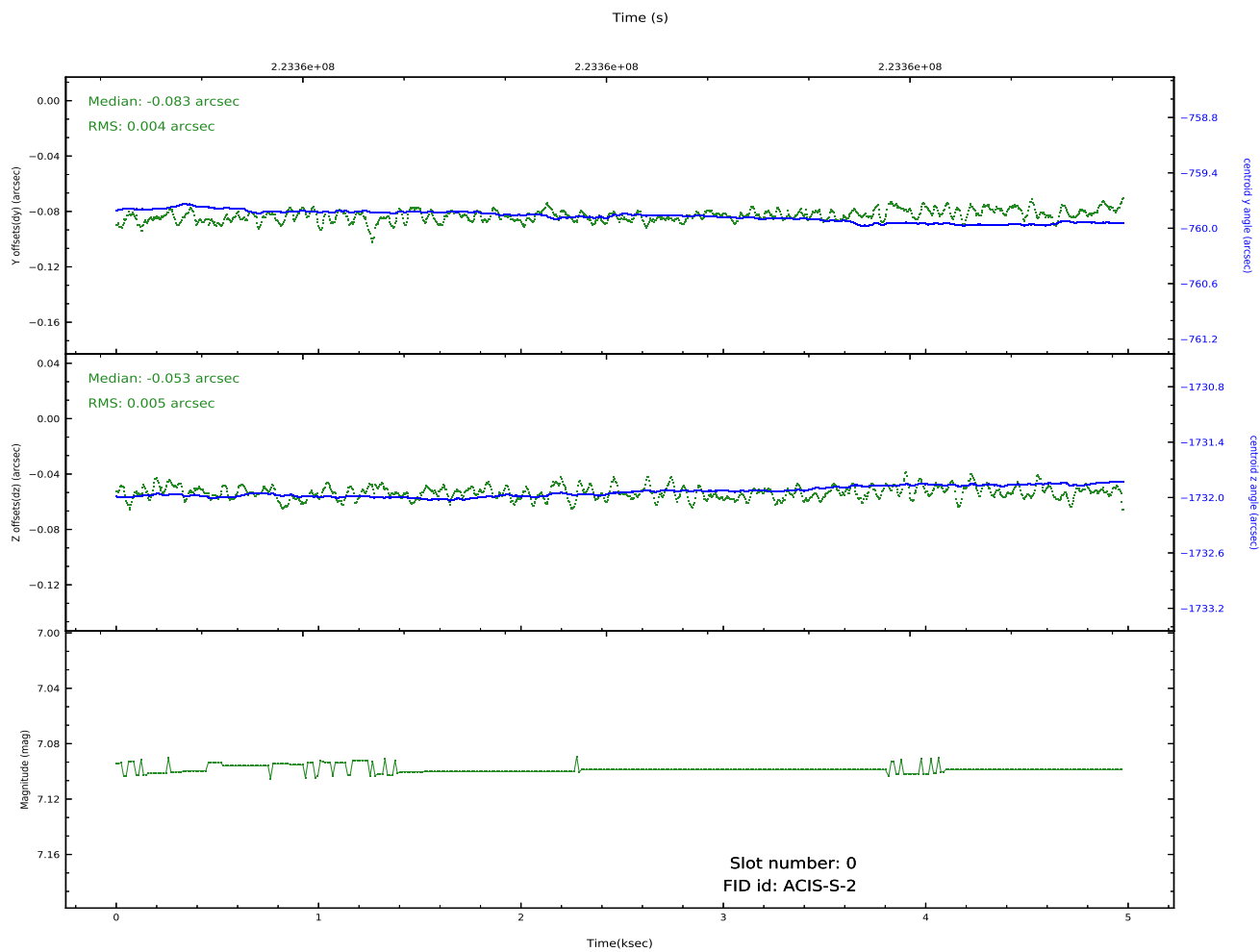
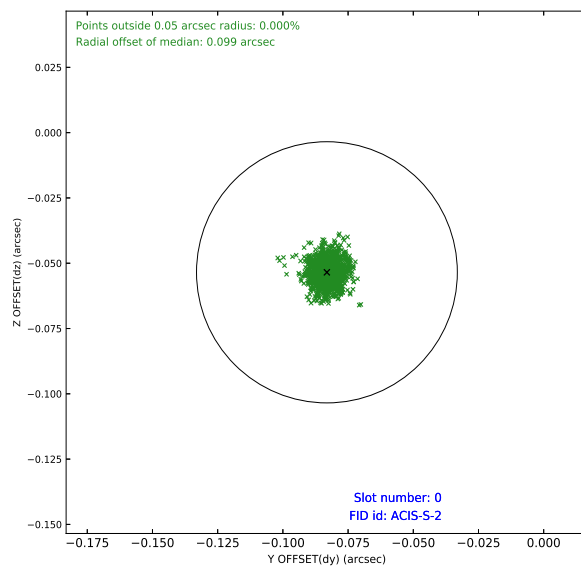
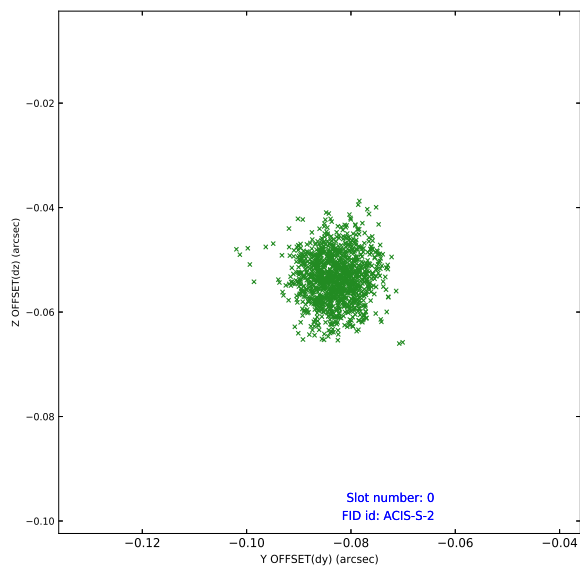


2.4.5 Slot 7

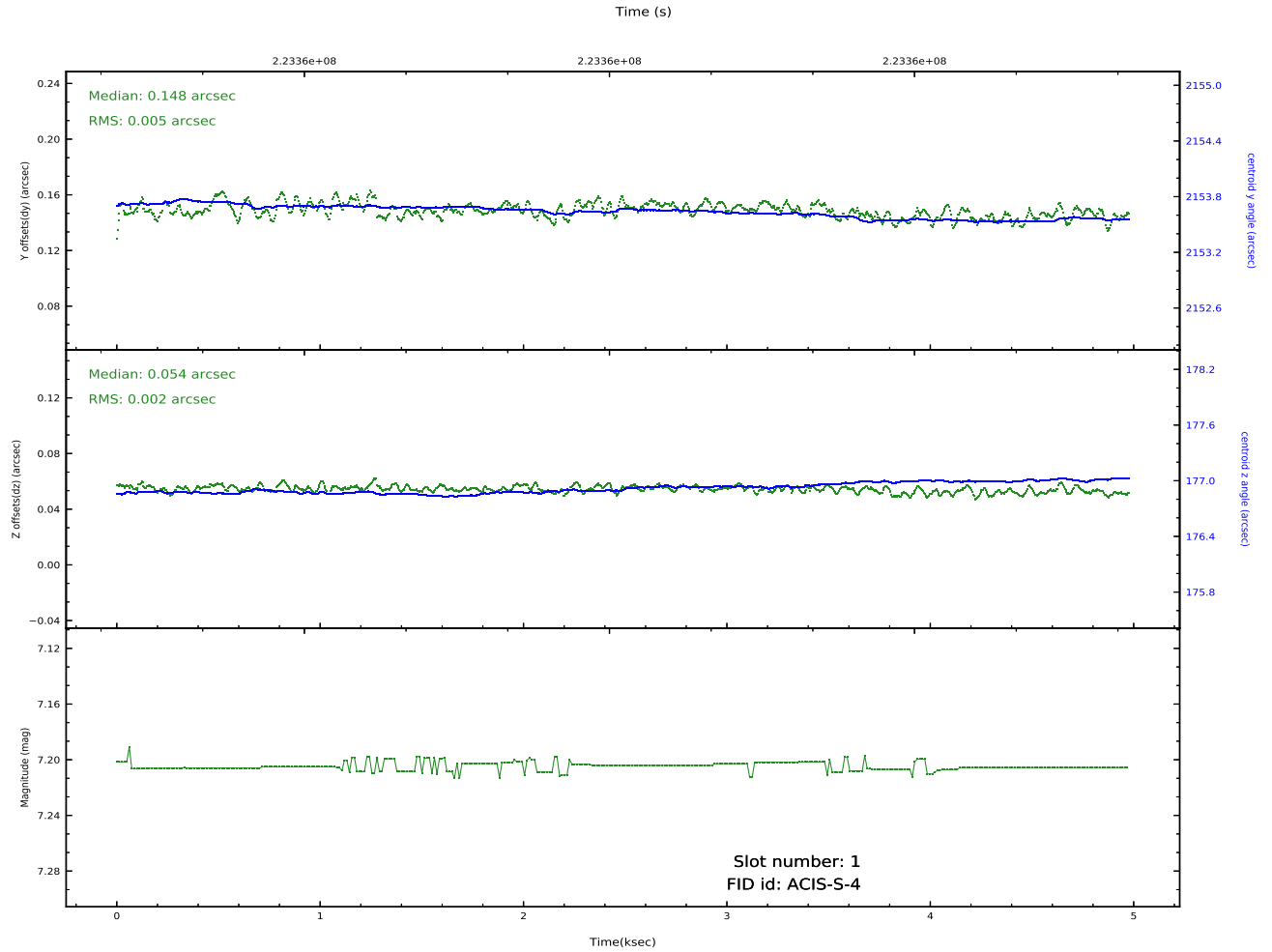
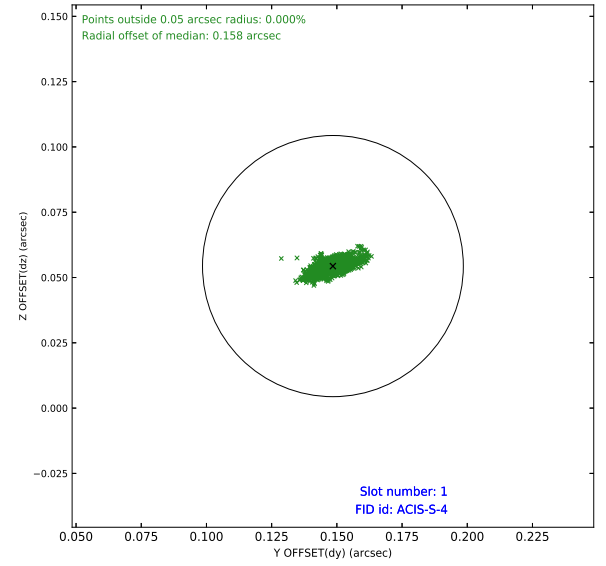
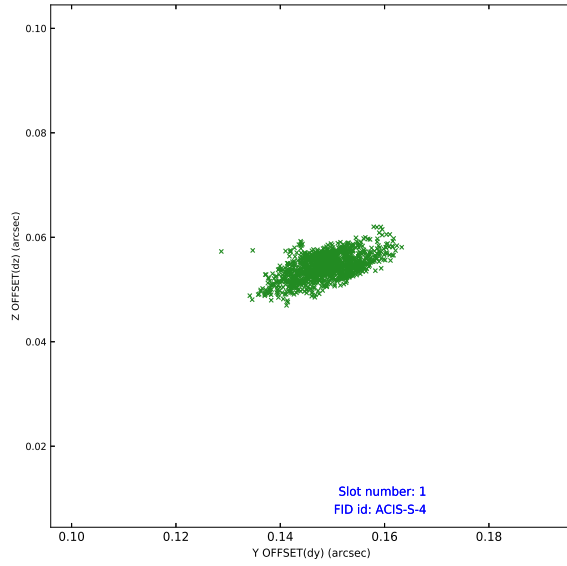


2.5 FID Slots

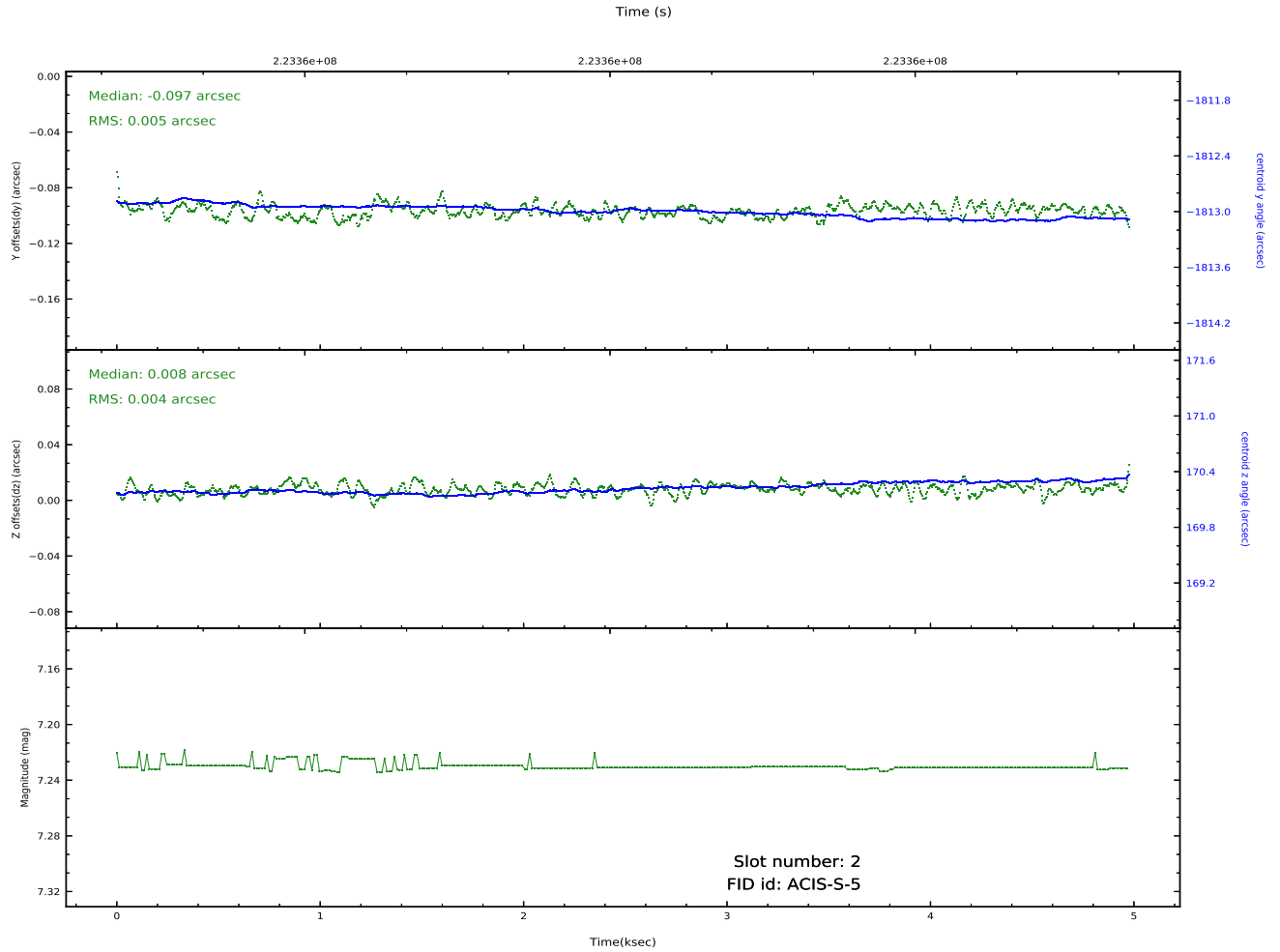
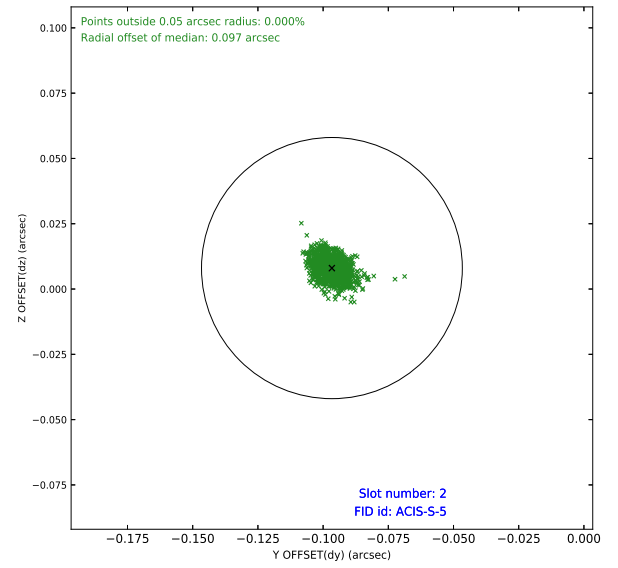
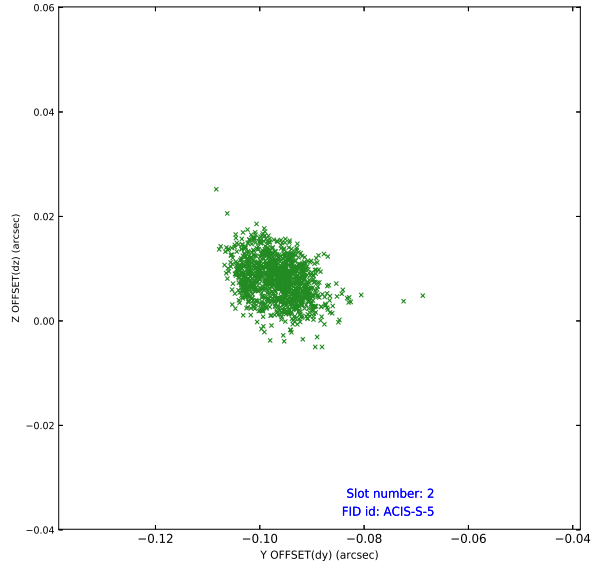
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.972399

A.2 Comments