

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6344 - L2 Version 4
Chandra X-Ray Center

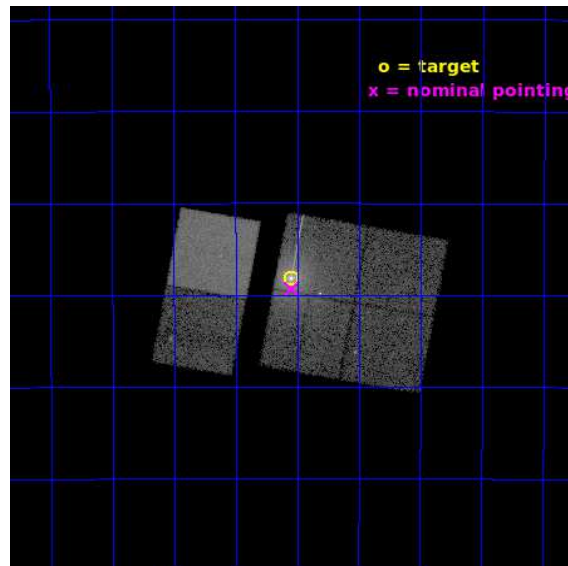
L2 Processing Date : Oct 9 2020

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1 Front

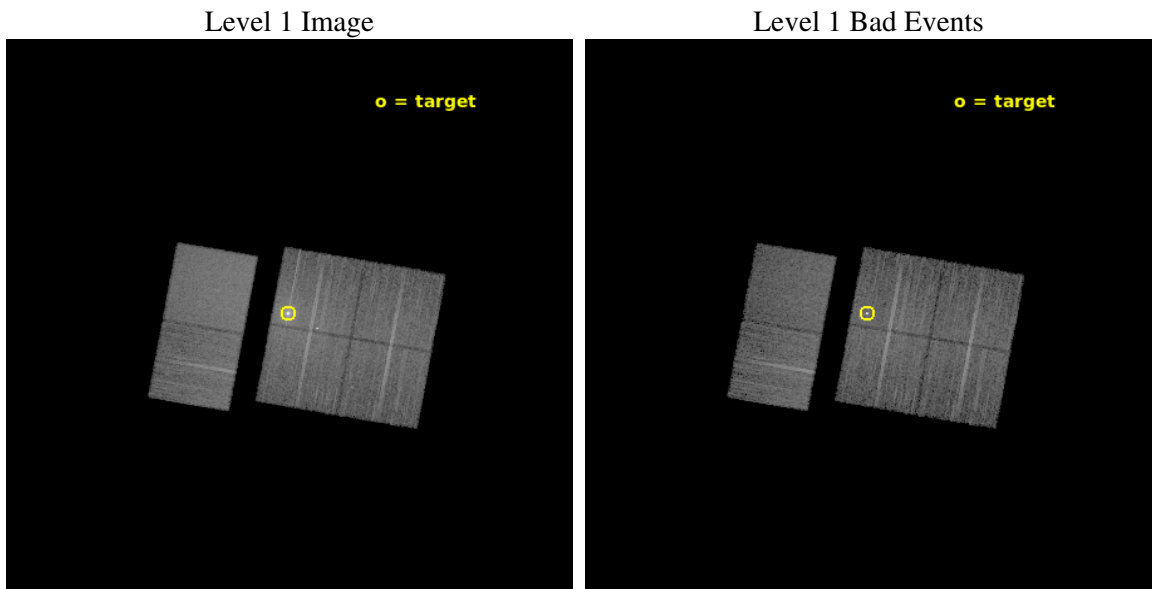
seq_num	400441	Sequence number
obs_id	6344	Observation id
title	Measuring Dense Clouds with X-rays and Millimeter Waves	Proposal t
observer	Randall Smith	Principal investigator
object	XB 1724-307	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	261.887083	Observer's specified target RA [deg]
dec_targ	-30.8024	Observer's specified target Dec [deg]
ra_nom	261.88553050924	Nominal RA [deg]
dec_nom	-30.821974769876	Nominal Dec [deg]
roll_nom	280.2063761877	Nominal Roll [deg]
revision	4	Processing version of data
ontime	11967.958965123	Sum of GTIs [s]
livetime	11816.413462467	Livetime [s]
ontime0	11971.199955404	Sum of GTIs [s]
ontime1	11971.199955404	Sum of GTIs [s]
ontime2	11967.958965123	Sum of GTIs [s]
ontime3	11967.958965123	Sum of GTIs [s]
ontime6	11971.199955404	Sum of GTIs [s]
ontime7	11971.199955404	Sum of GTIs [s]
l2events	146743	Number of level 2 events



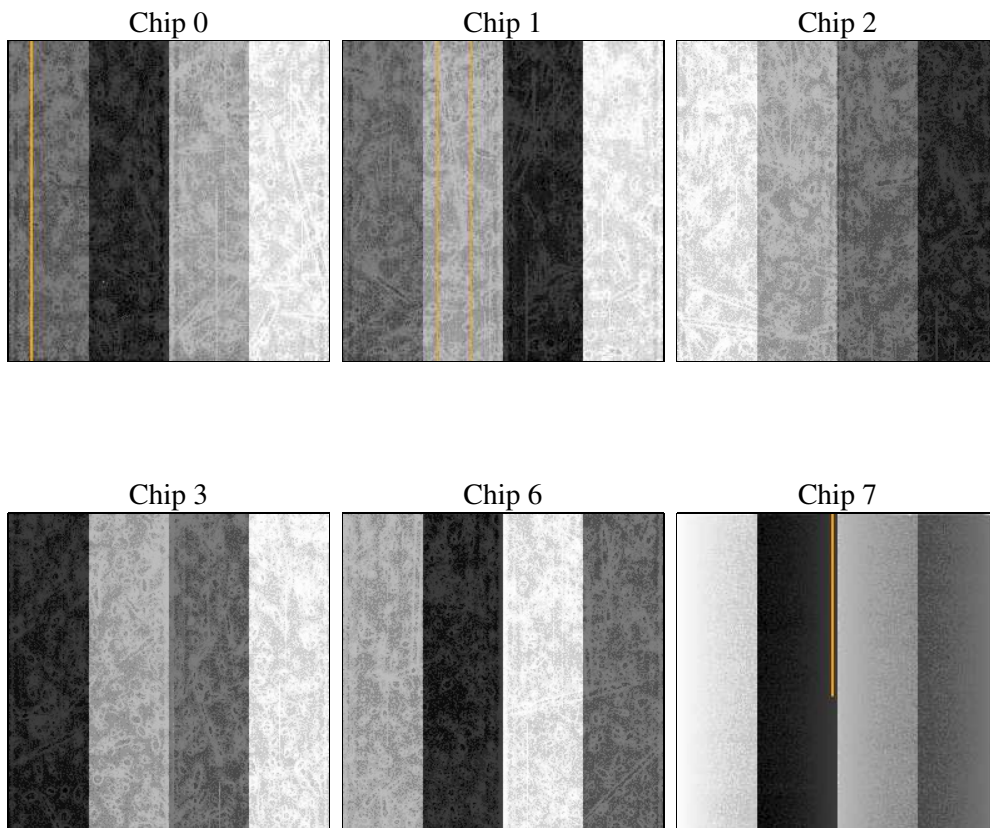
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	11785.061000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	11967.958965123	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	11971.199955404	Sum of GTIs [s]
date	2020-10-09T08:50:00	Date and time of file creation	ontime1	11971.199955404	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	11967.958965123	Sum of GTIs [s]
			ontime3	11967.958965123	Sum of GTIs [s]
			ontime6	11971.199955404	Sum of GTIs [s]
			ontime7	11971.199955404	Sum of GTIs [s]
			l1events	642881	Number of level 1 events

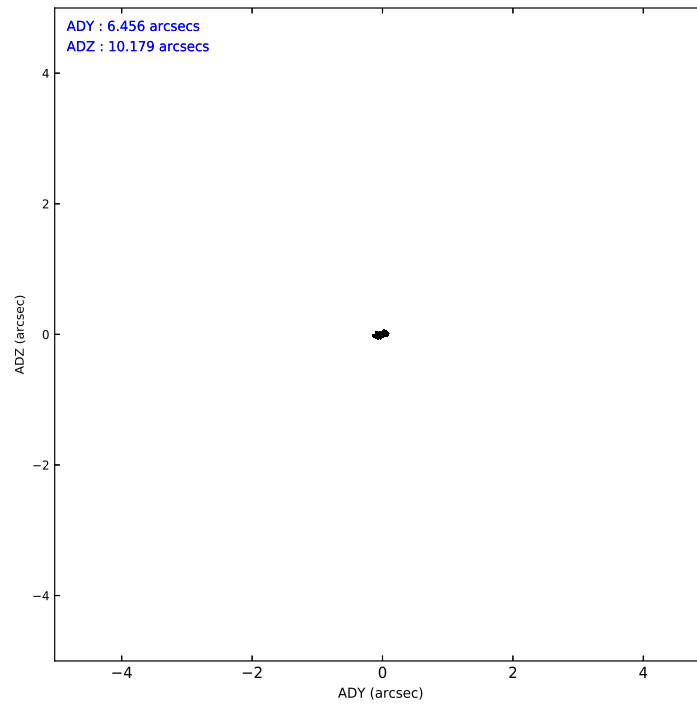
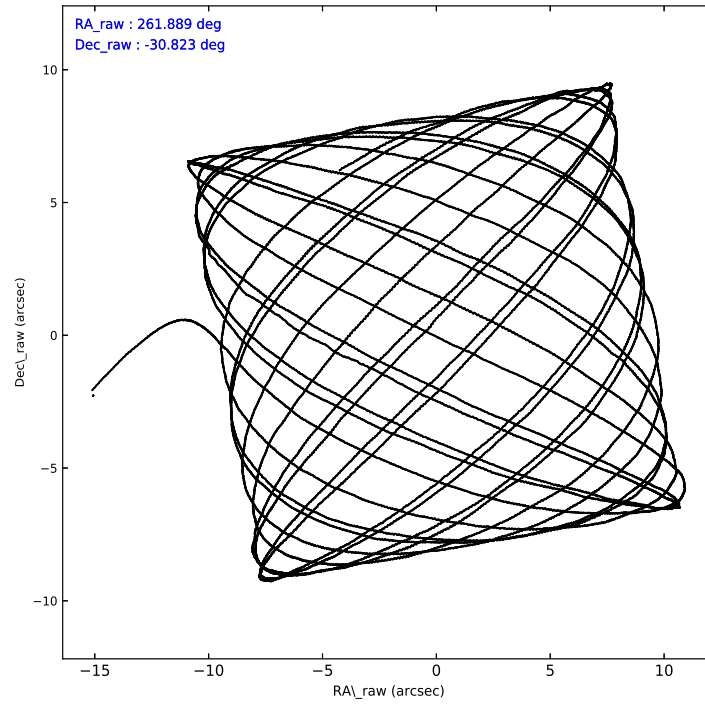
2.1.4 Events

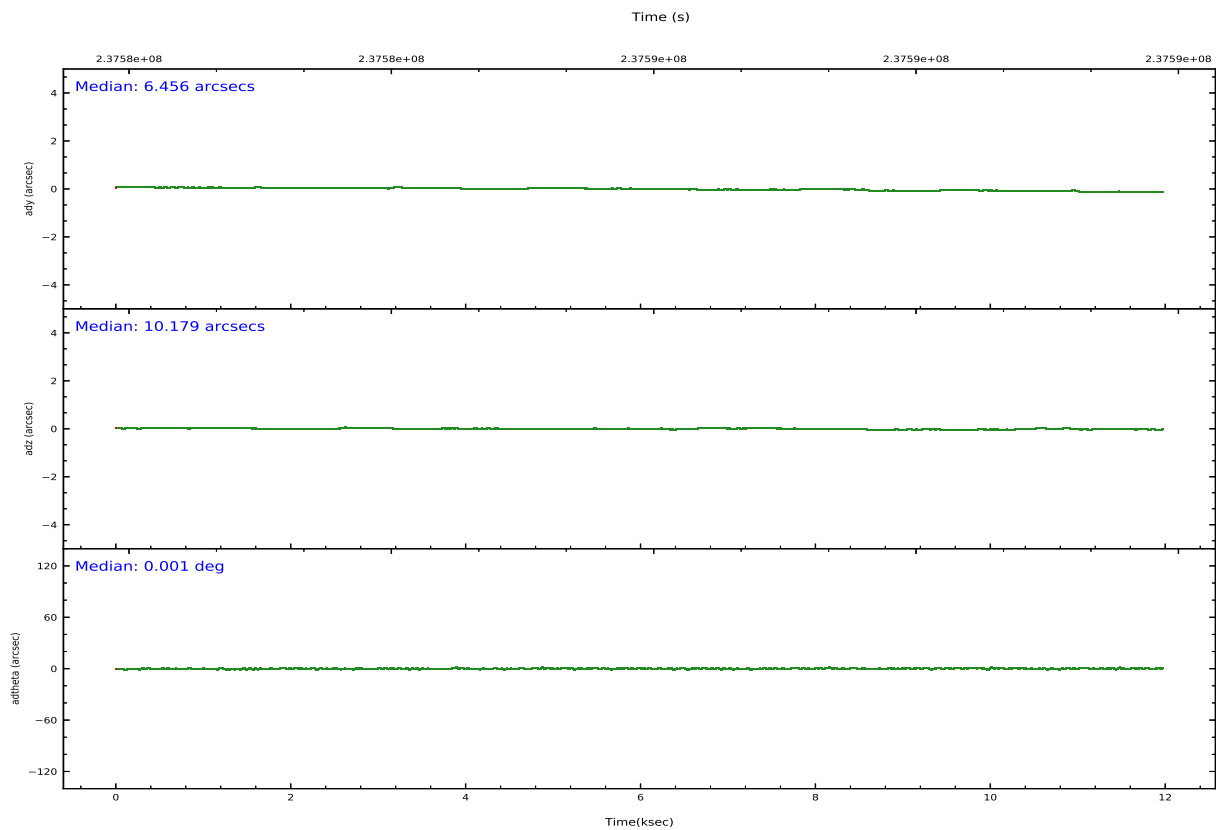
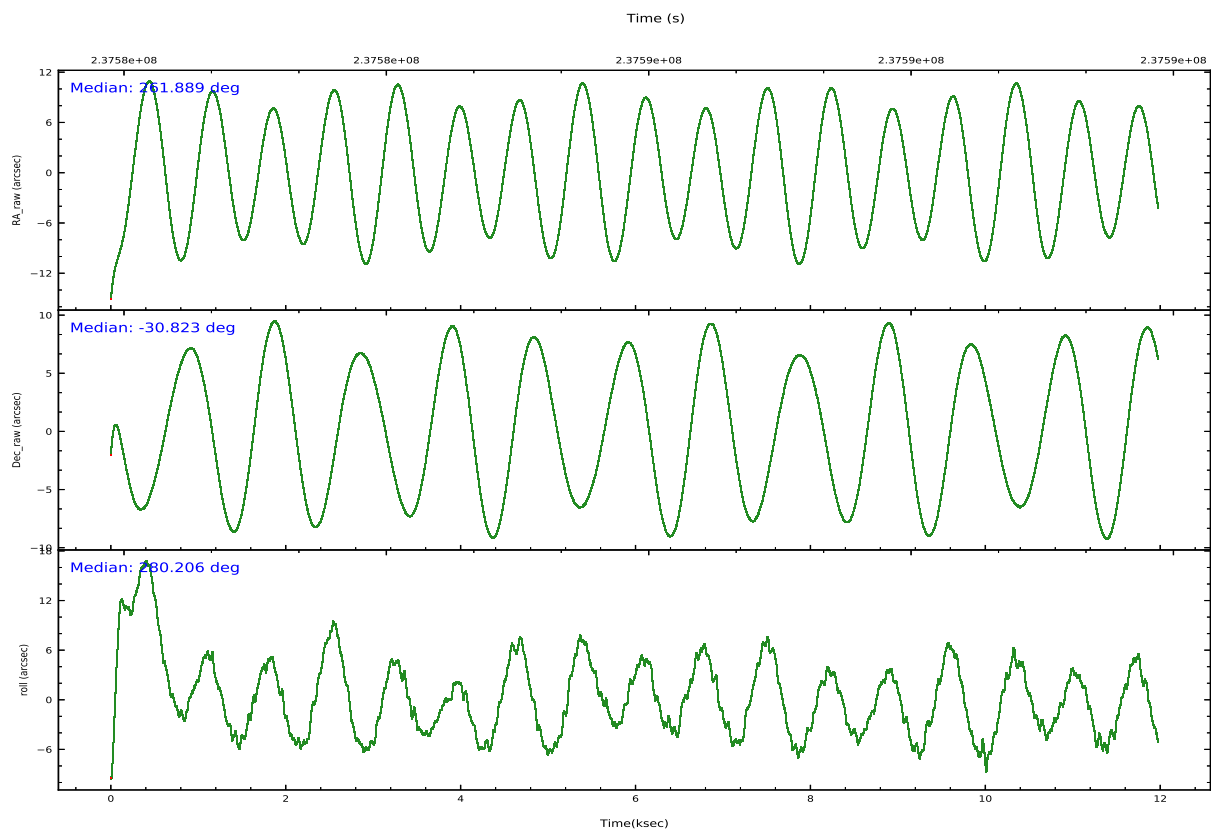
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	86450	89238	100427	134474	101446	130846	grade 0 events	6470	6146	10739	32092	6357	5756
rejected events	73734	76014	82805	87074	88150	76807		7%	6%	10%	23%	6%	4%
rejected %	85%	85%	82%	64%	86%	58%	grade 1 events	58	48	102	1353	53	137
								0%	0%	0%	1%	0%	0%
							grade 2 events	2658	2937	3083	7019	2893	11599
								3%	3%	3%	5%	2%	8%
							grade 3 events	1139	1263	1299	2690	1221	5150
								1%	1%	1%	2%	1%	3%
							grade 4 events	1039	1214	1293	2770	1108	5089
								1%	1%	1%	2%	1%	3%
							grade 5 events	3807	4102	3630	5509	4553	12031
								4%	4%	3%	4%	4%	9%
							grade 6 events	2091	2401	2028	4314	2517	29496
								2%	2%	2%	3%	2%	22%
							grade 7 events	69188	71127	78253	78727	82744	61588
								80%	79%	77%	58%	81%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
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	261.868589	261.88553050924	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.802494	-30.821974769876	Alternating exposures requested	N	N
[deg] Pointing Roll	279.990533	280.2063761877	[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	-215.592463	-215.5849369016591			
[mm] SIM translation stage offset	-18	-18.0075161012706			
[s] Observation start time (MET)	237580040.184000	237578621.60591			
Observation start date	2005-07-12T18:26:16	2005-07-12T18:03:41			
[s] Observation end time (MET)	237591825.184000	237592054.74402			
Observation end date	2005-07-12T21:42:41	2005-07-12T21:47:34			
Read mode	TIMED	TIMED			

2.3 Aspect



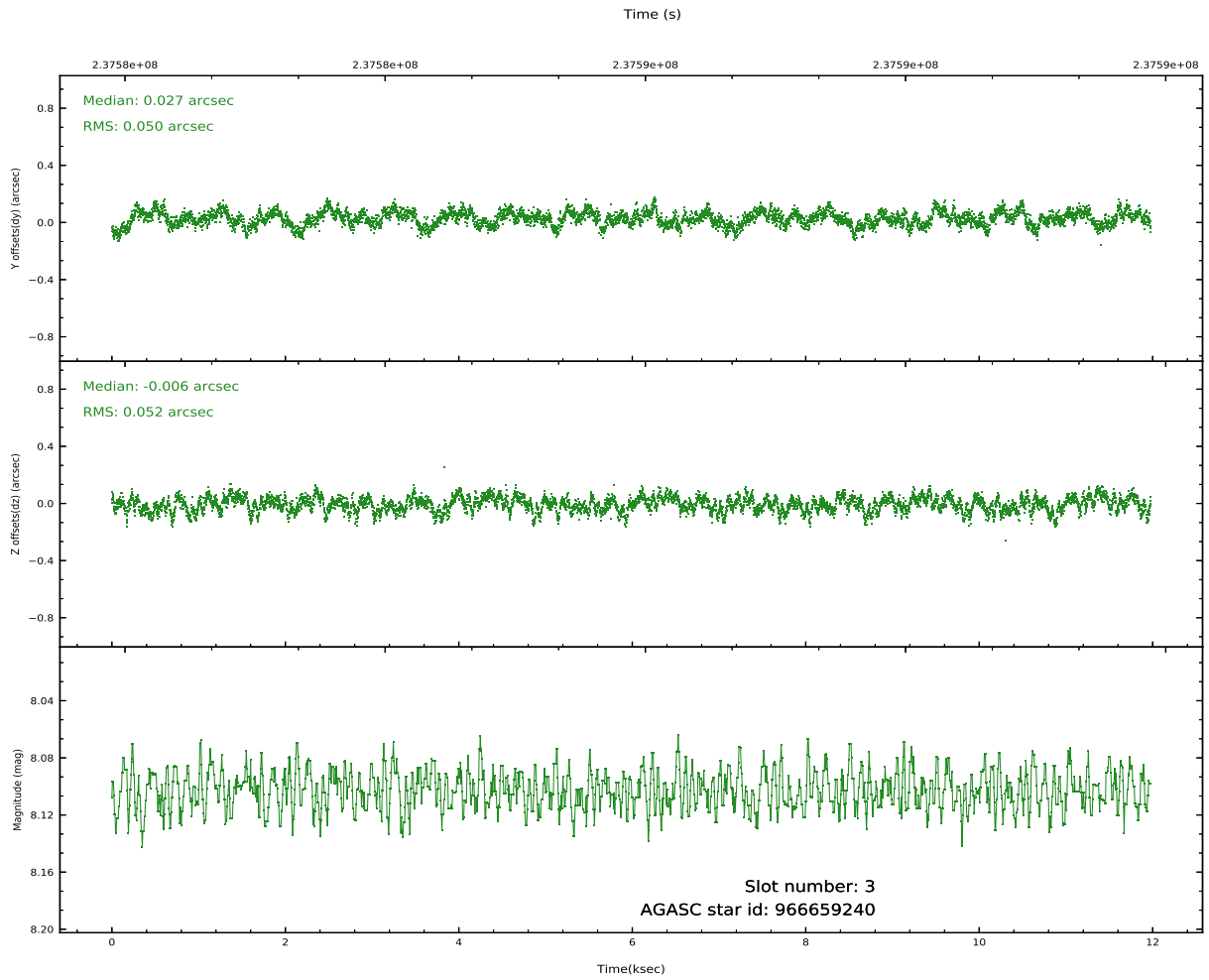
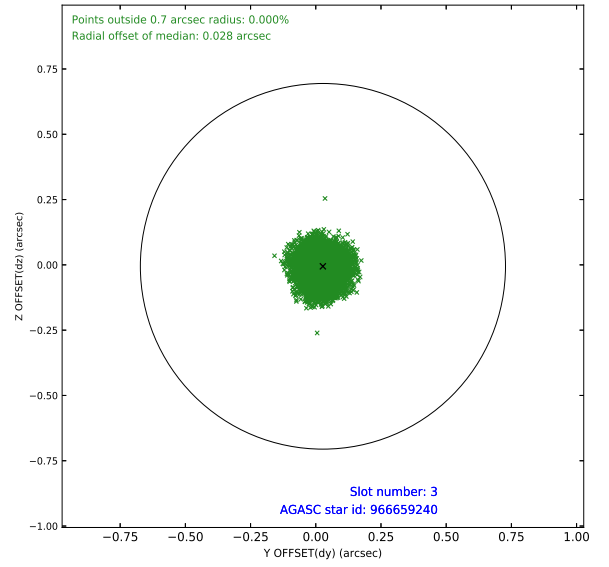
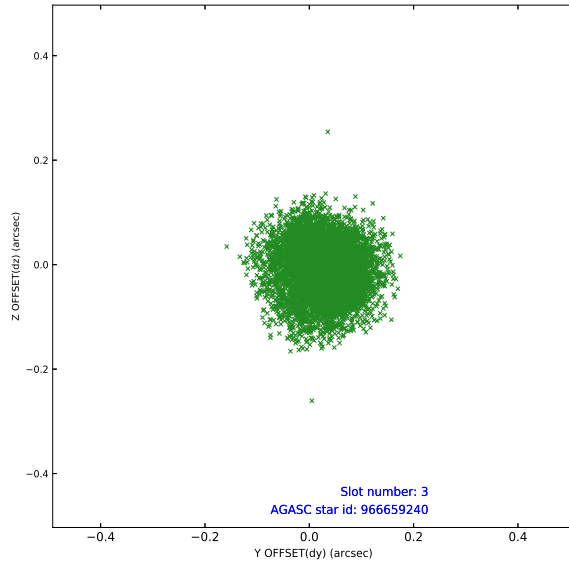


Slot Statistics

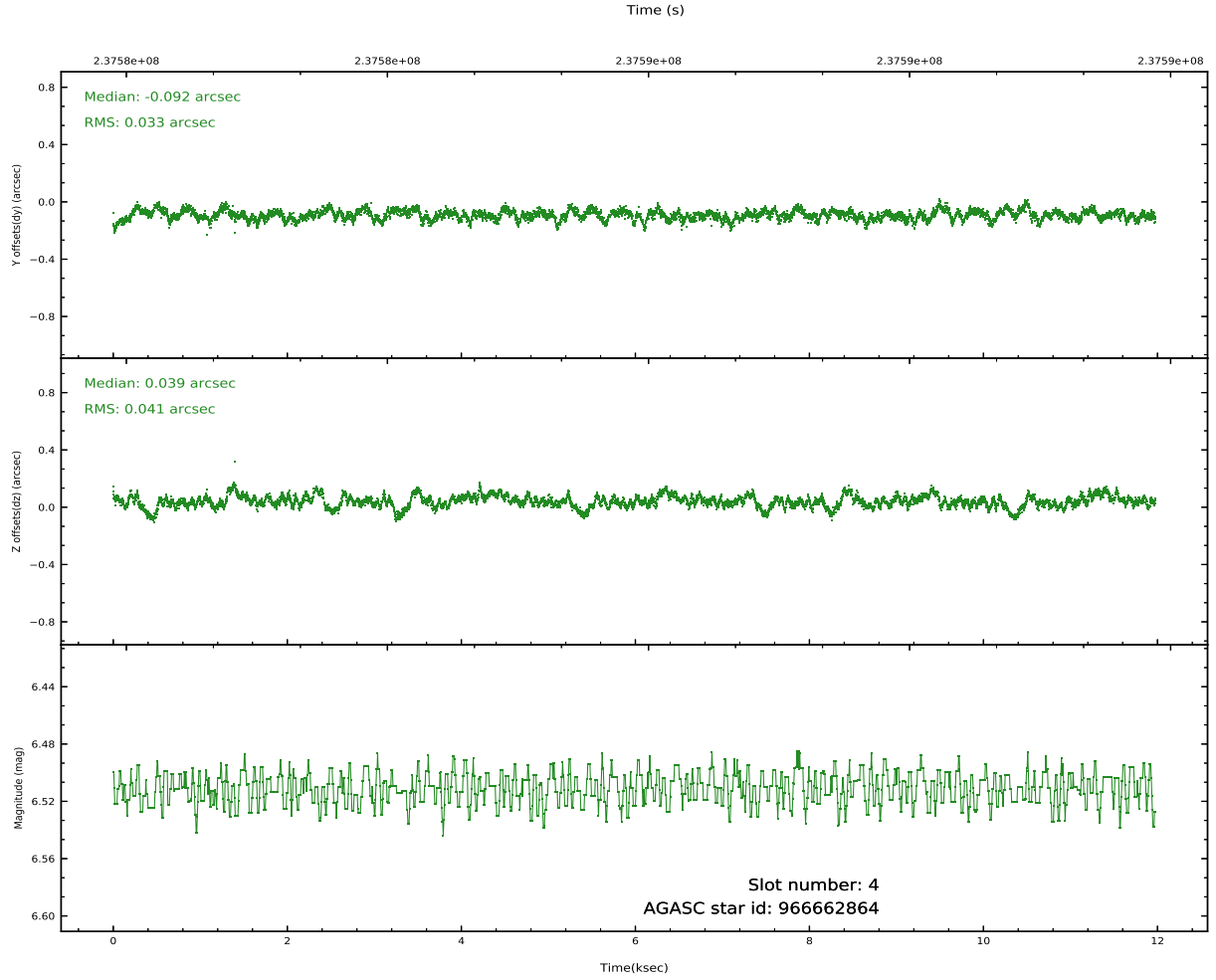
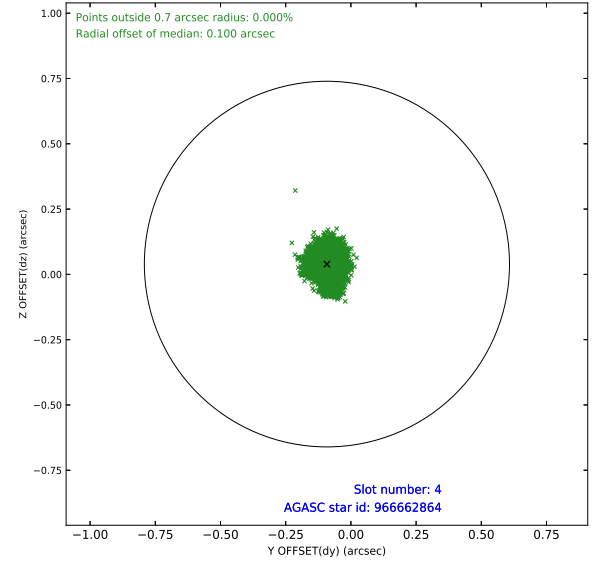
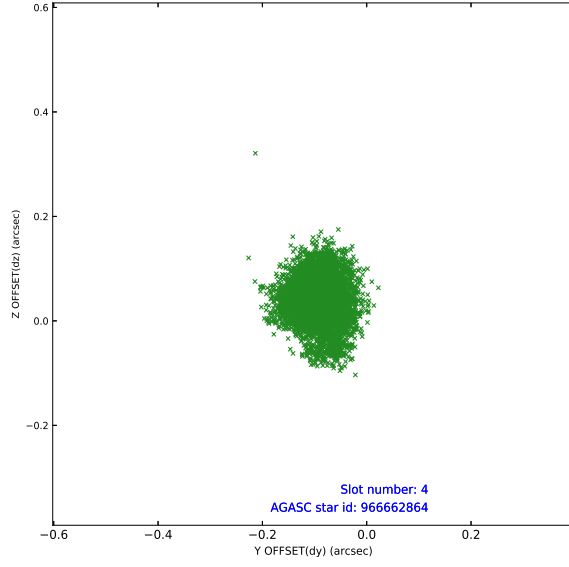
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.19	2920	1.000	0.048	-0.110	0.007	0.013	0.000000	0.000000	-762.22	-1207
1	FID		ACIS-I-5	7.23	2920	1.000	-0.313	0.105	0.008	0.013	0.000000	0.000000	-1815.82	693
2	FID		ACIS-I-6	7.28	2920	1.000	0.170	0.073	0.007	0.011	0.000000	0.000000	398.24	1338
3	GUIDE	used	966659240	8.10	5841	1.000	0.027	-0.006	0.078	0.123	262.189777	-30.931568	631.45	896
4	GUIDE	used	966662864	6.51	5841	1.000	-0.092	0.039	0.055	0.094	261.732957	-31.091595	953.06	-592
5	GUIDE	used	966663720	7.86	5838	1.000	0.036	0.024	0.064	0.111	262.170068	-31.384212	2225.00	548
6	GUIDE	used	966663784	8.74	5823	1.000	0.083	-0.022	0.087	0.138	261.636886	-31.482666	2289.67	-1125
7	GUIDE	used	966656976	10.22	5836	1.000	-0.050	-0.036	0.206	0.322	261.420254	-30.527296	-1213.44	-1198

2.4 Star Slots

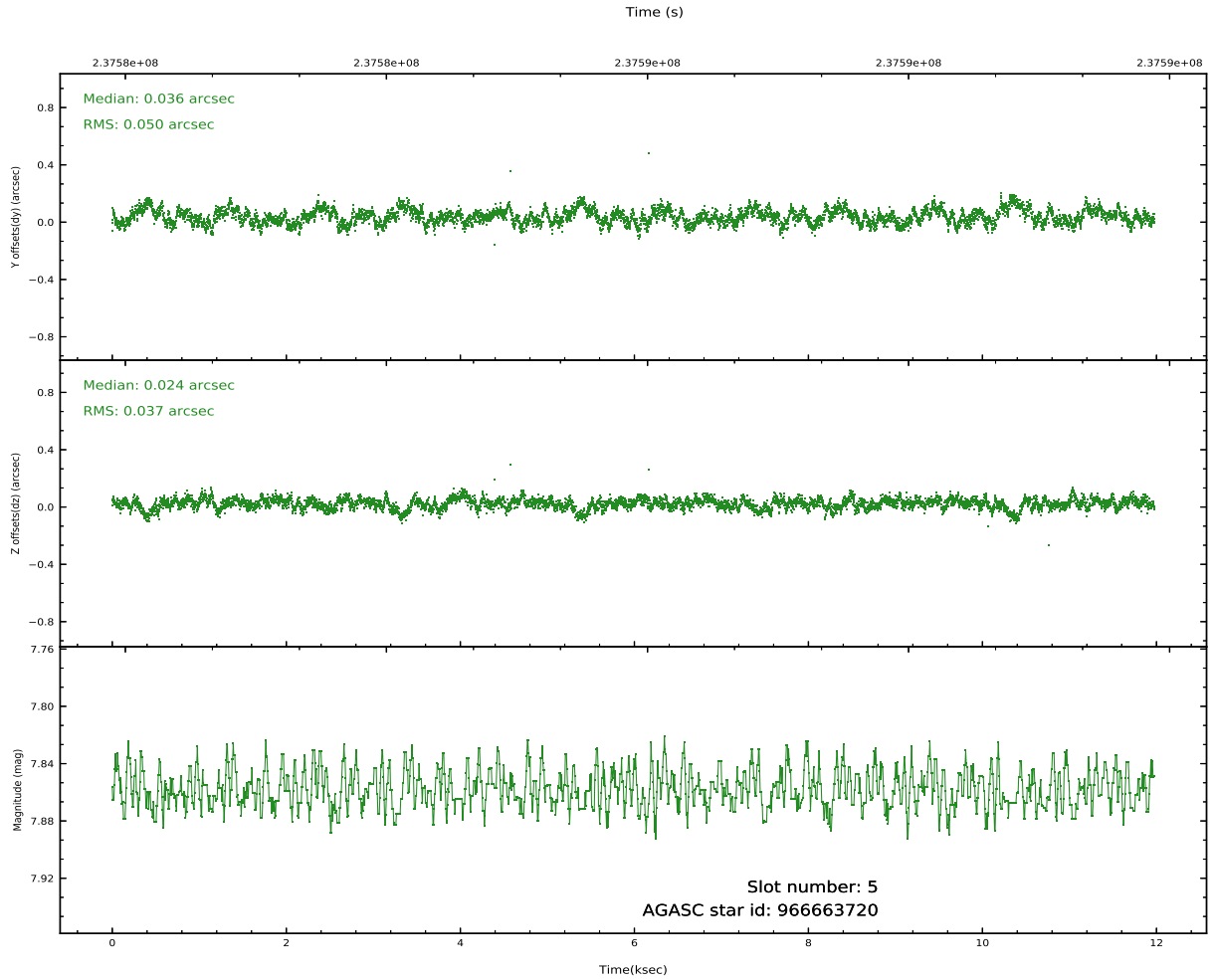
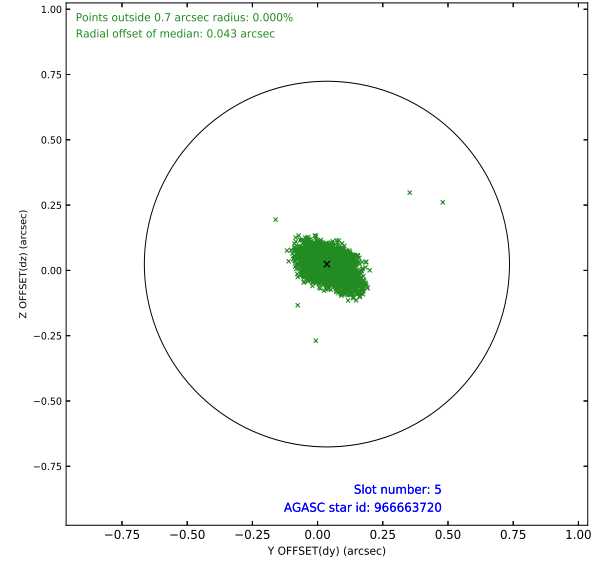
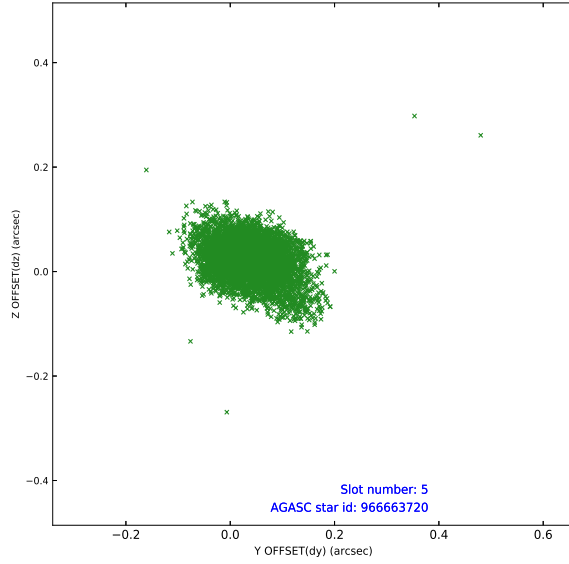
2.4.1 Slot 3



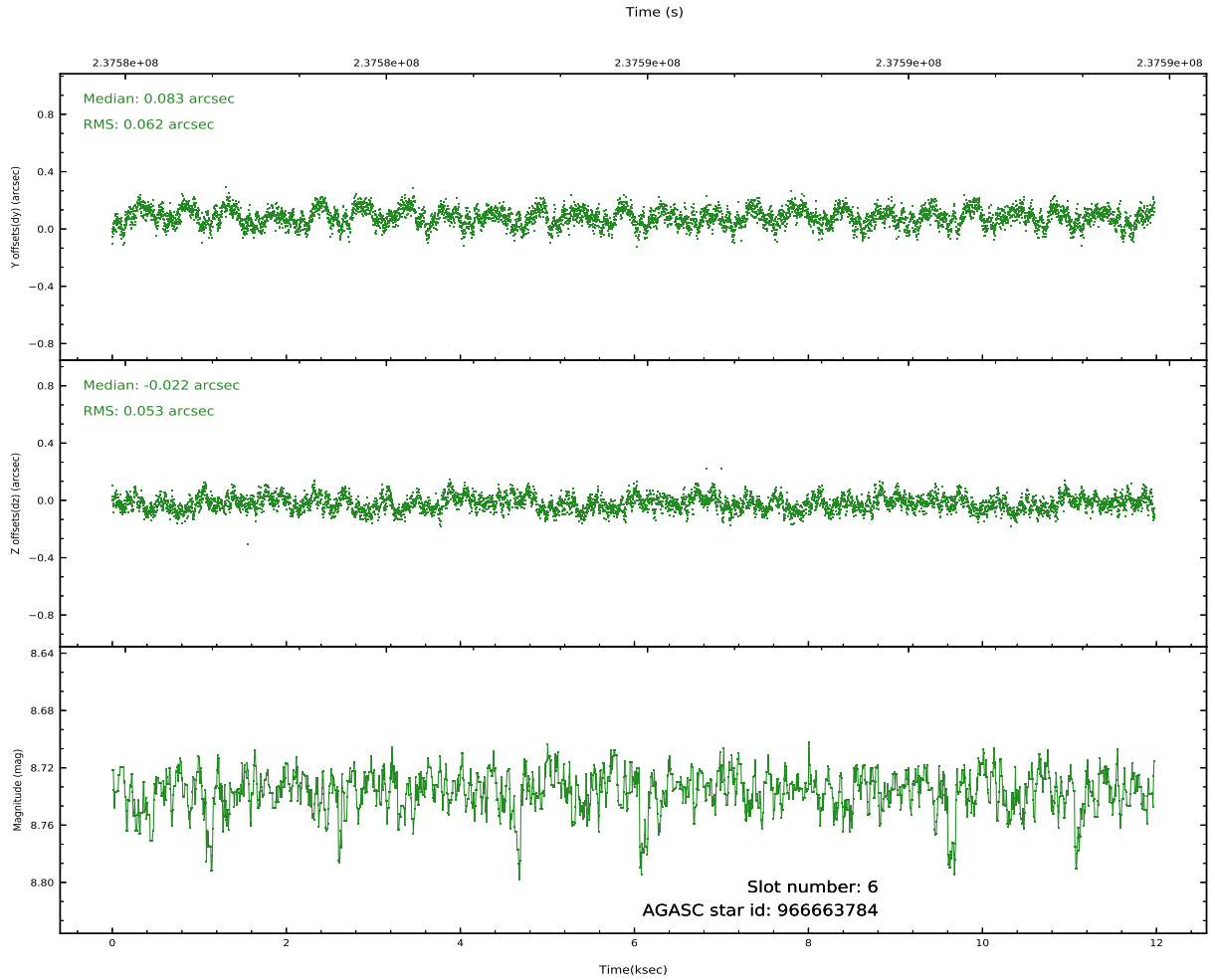
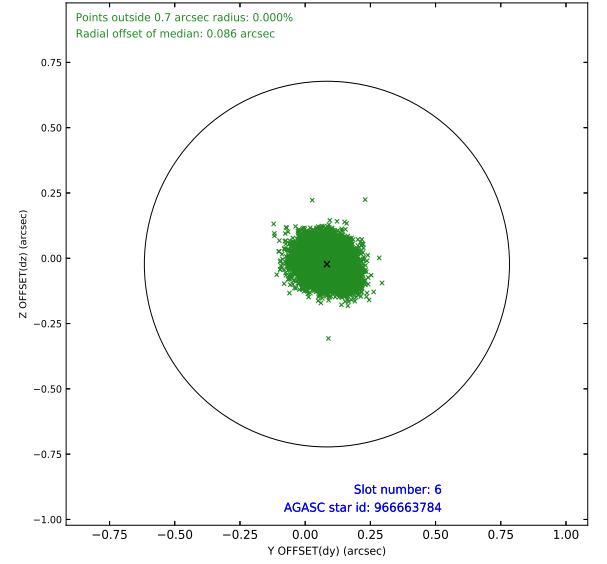
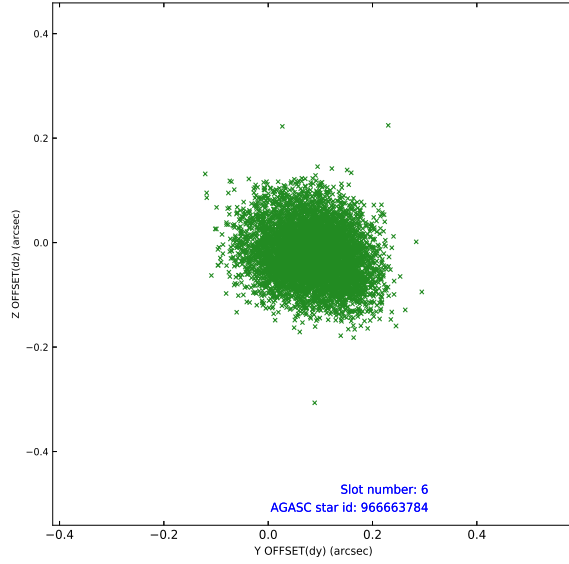
2.4.2 Slot 4



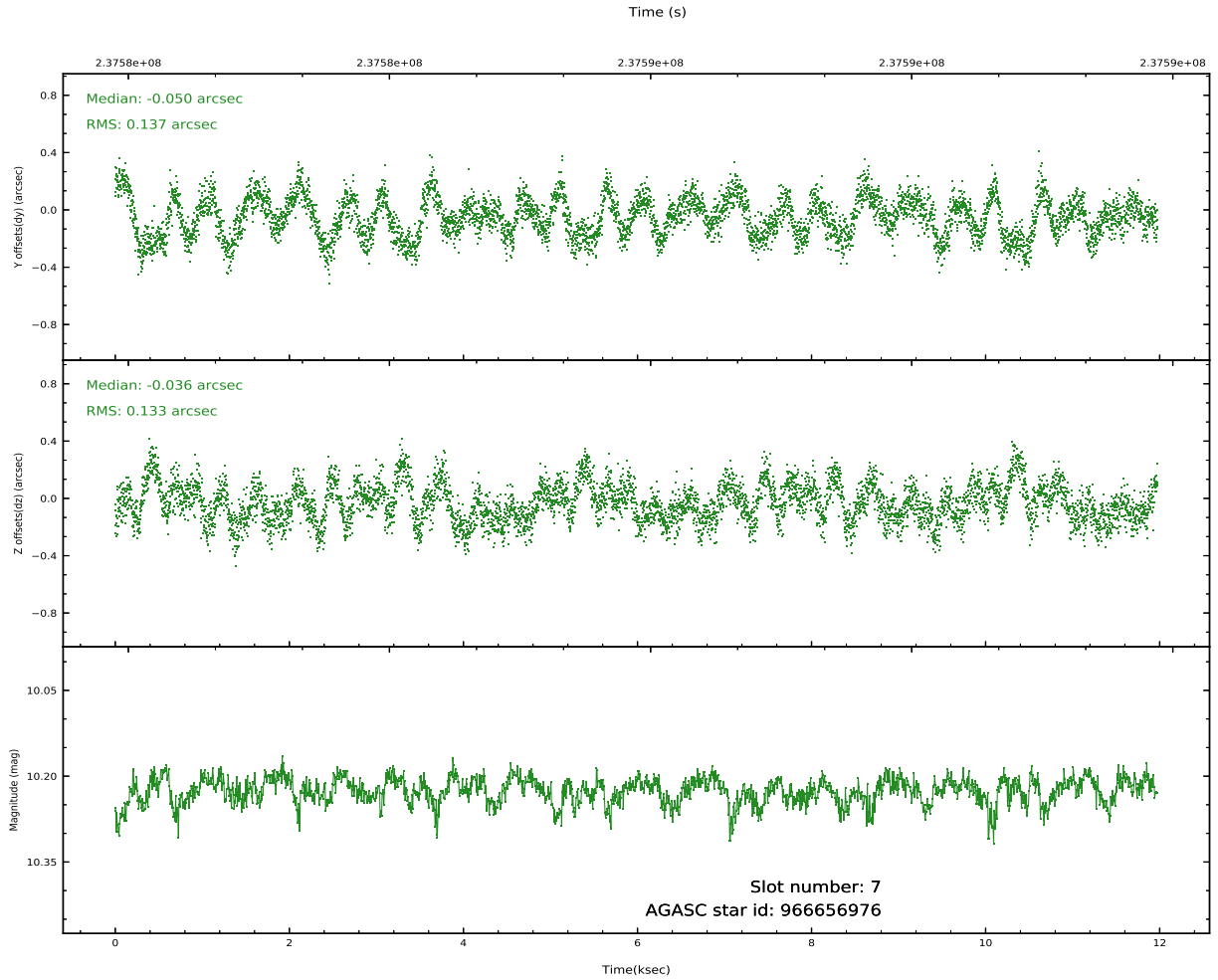
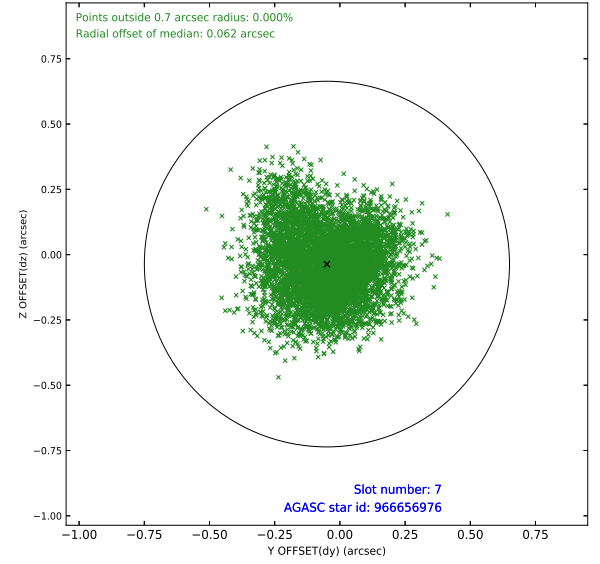
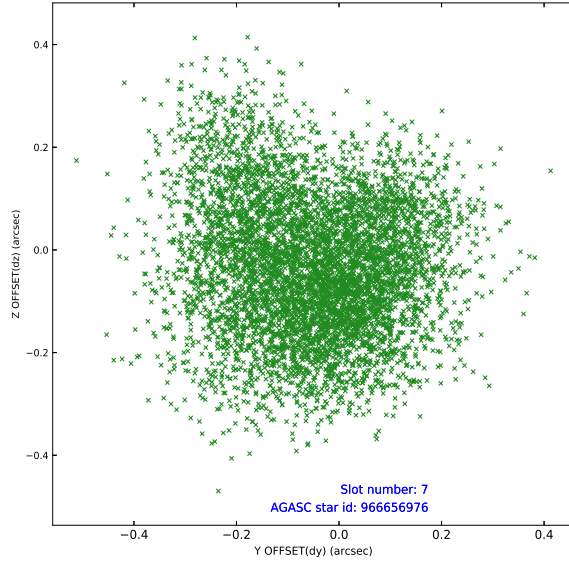
2.4.3 Slot 5



2.4.4 Slot 6

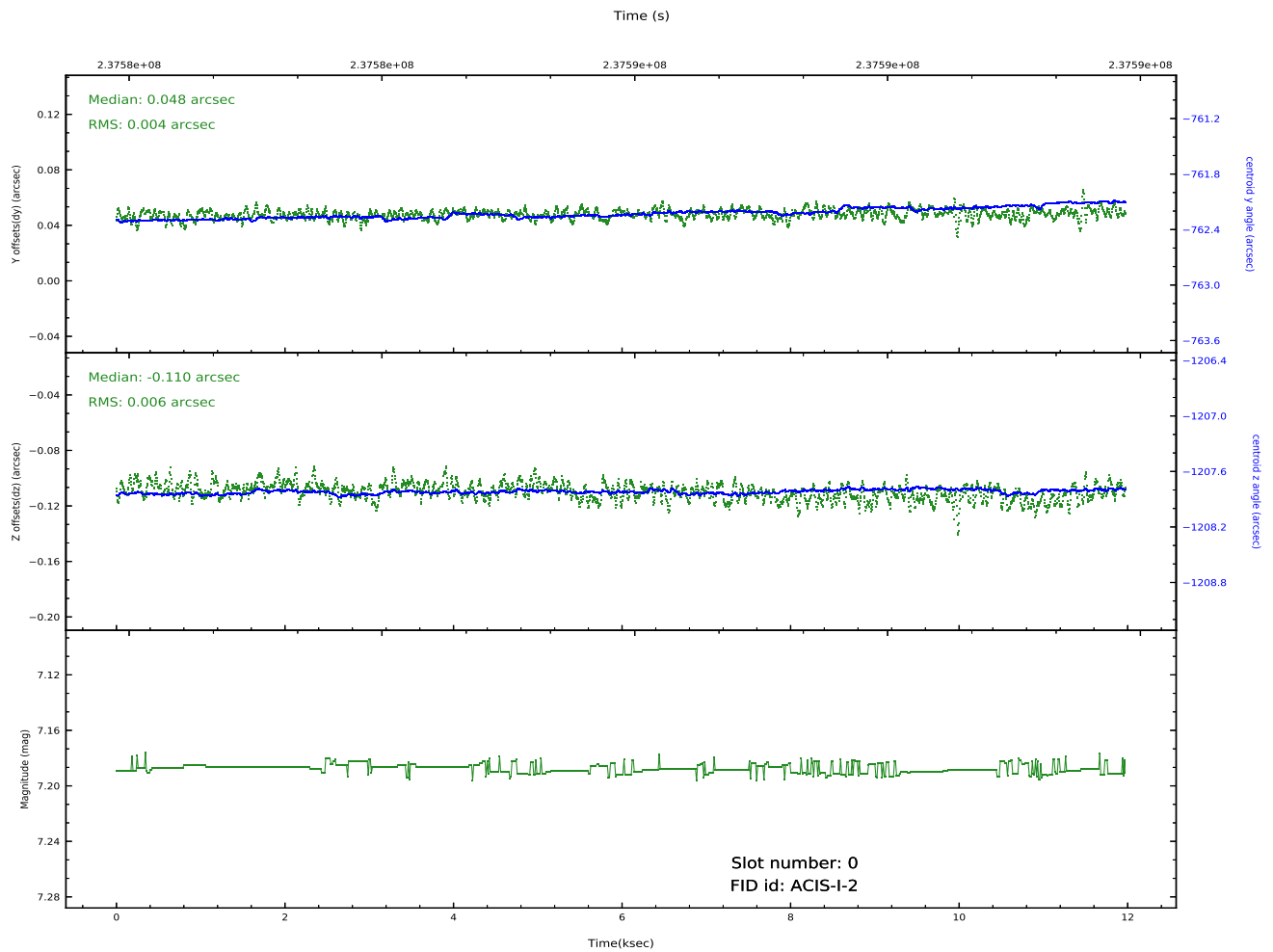
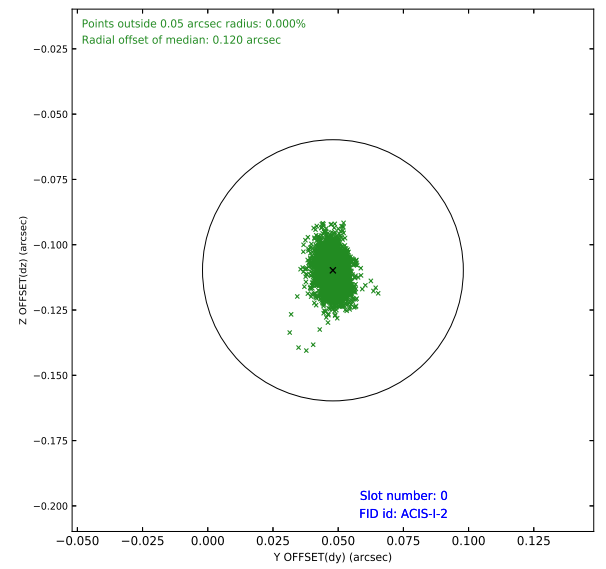
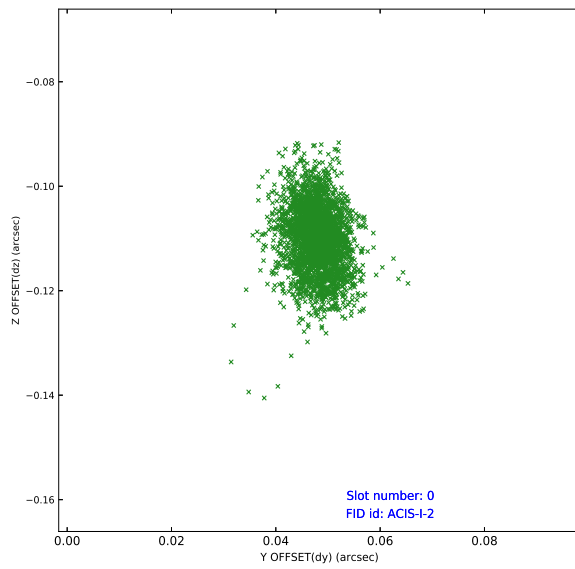


2.4.5 Slot 7

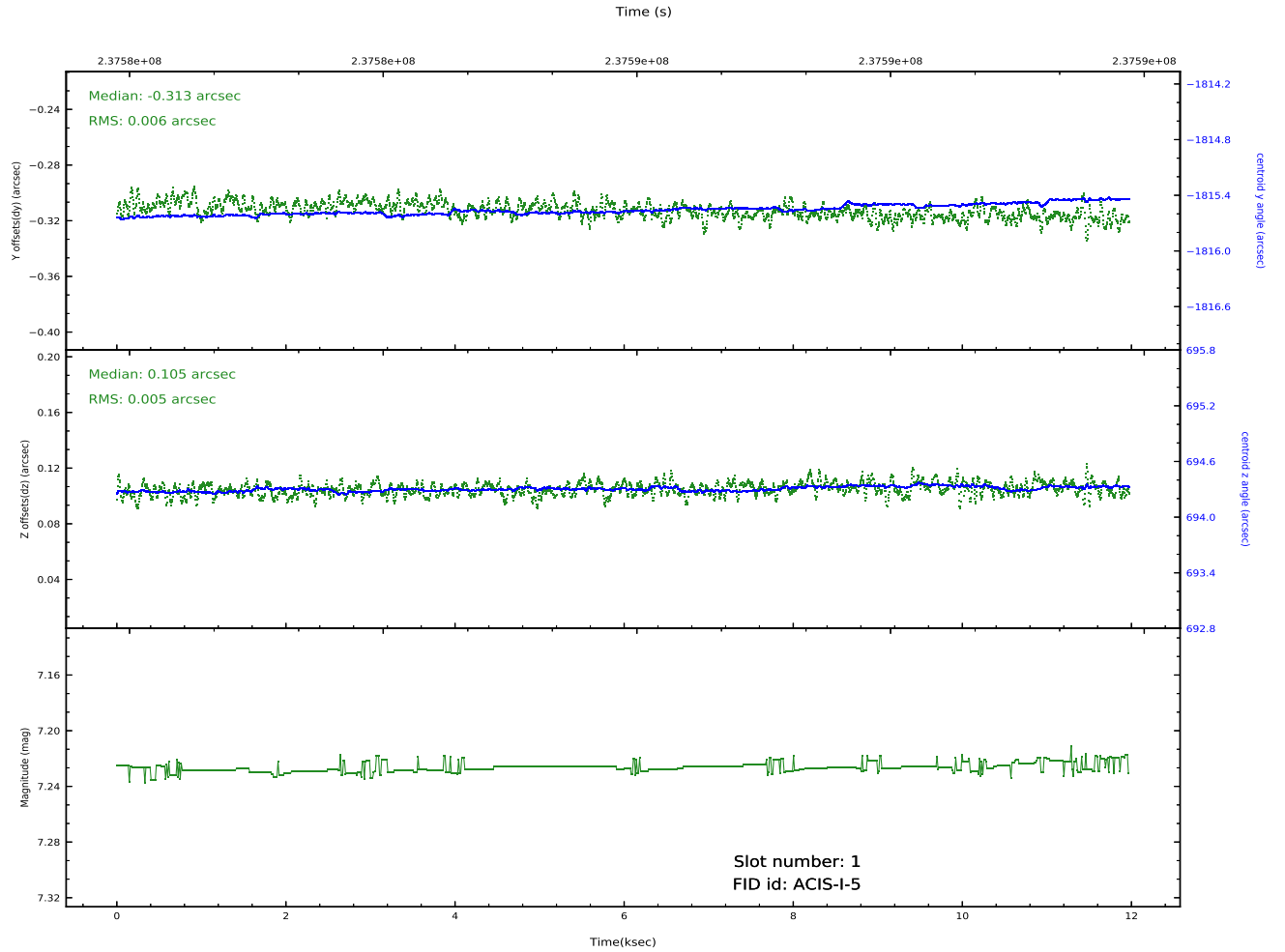
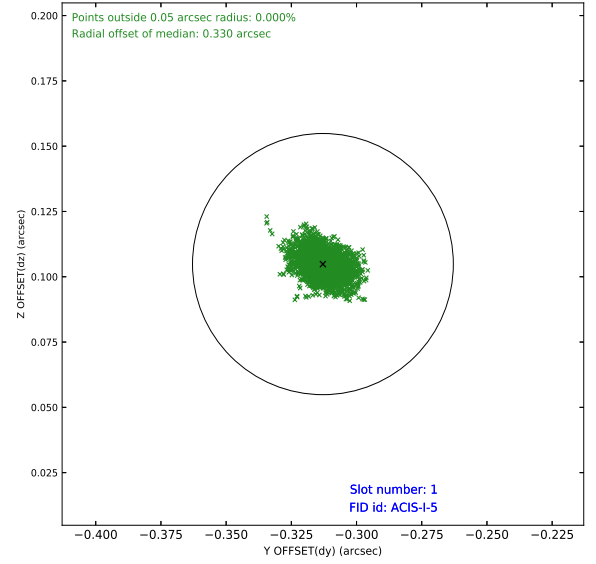
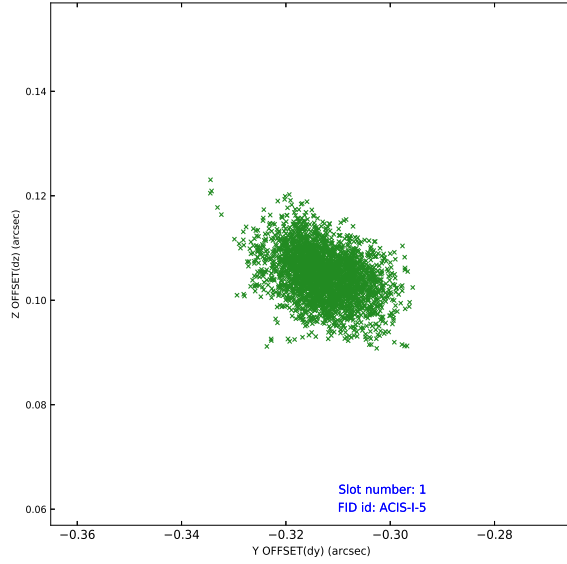


2.5 FID Slots

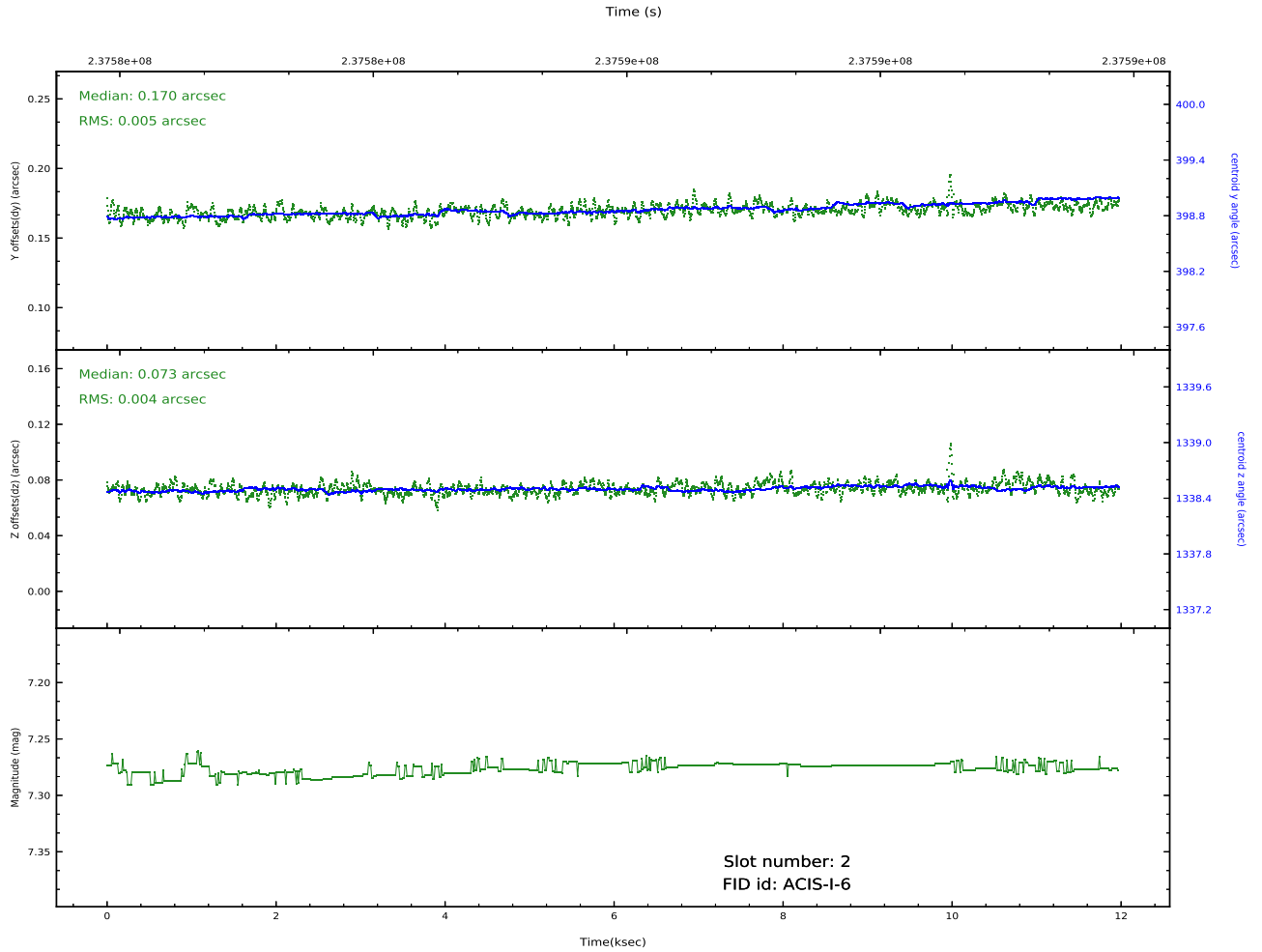
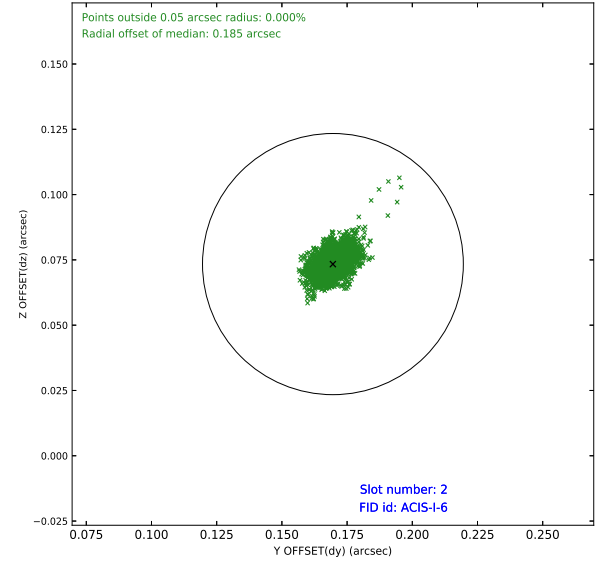
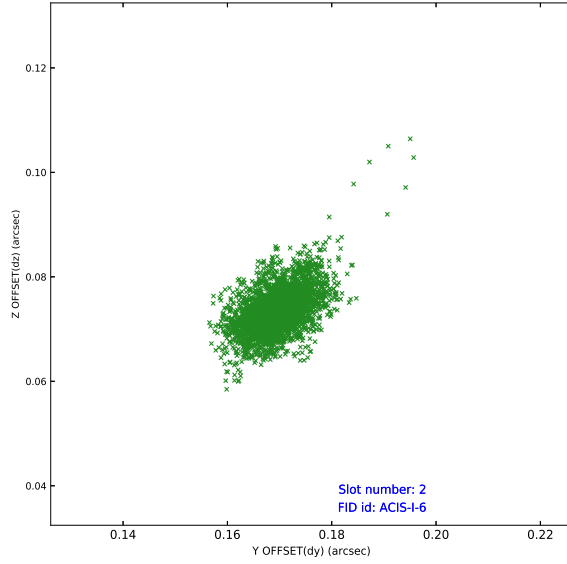
2.5.1 Slot 0



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)	2020.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.96795

A.2 Comments