

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20601 - L2 Version 2
Chandra X-Ray Center

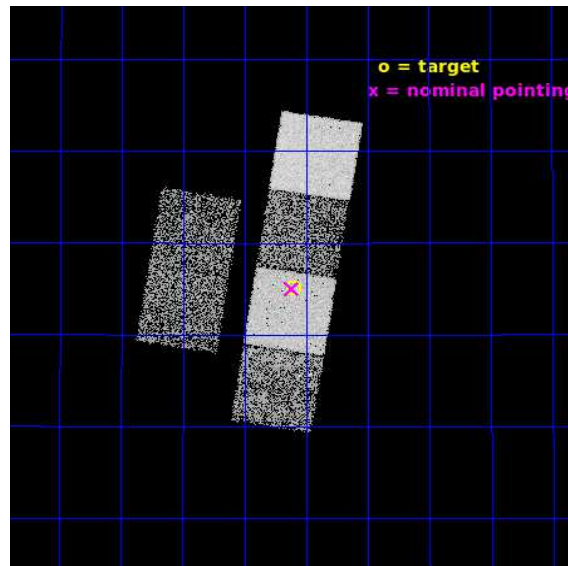
L2 Processing Date : Oct 28 2020

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1 Front

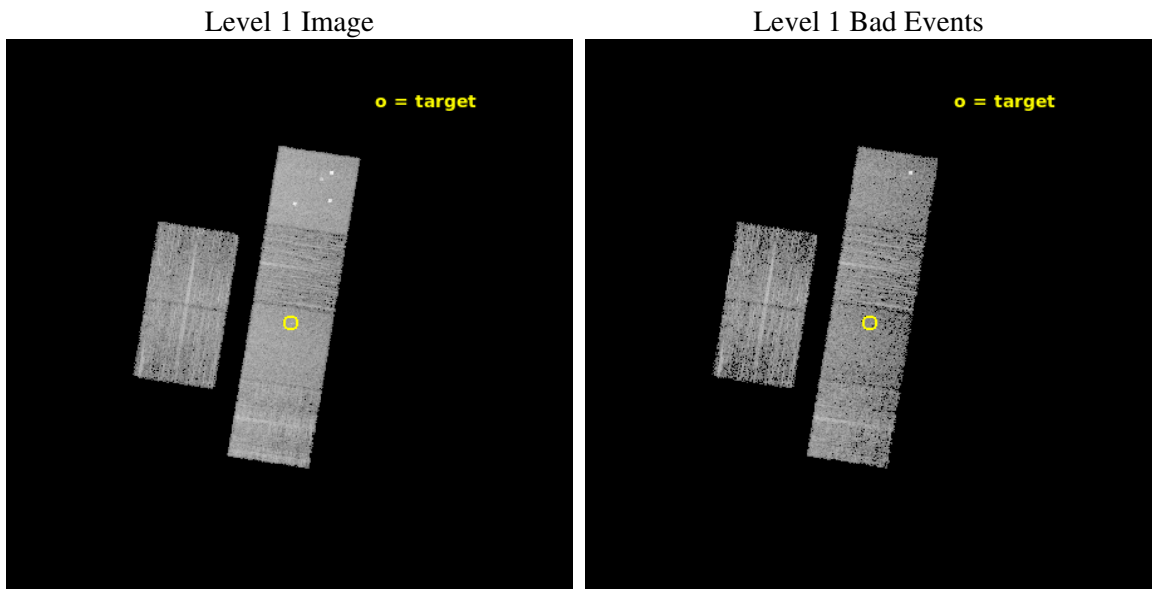
seq_num	703602	Sequence number
obs_id	20601	Observation id
title	Exploratory X-ray Monitoring of z>4 Radio-Quiet Quasars	Proposal t
observer	Ohad Shemmer	Principal investigator
object	PSS 0926+3055	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	141.65125	Observer's specified target RA [deg]
dec_targ	30.918028	Observer's specified target Dec [deg]
ra_nom	141.65393217082	Nominal RA [deg]
dec_nom	30.917063400571	Nominal Dec [deg]
roll_nom	99.003215825028	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4946.7253724337	Sum of GTIs [s]
livetime	4884.0869572075	Livetime [s]
ontime2	4946.7664123774	Sum of GTIs [s]
ontime3	4946.6022523642	Sum of GTIs [s]
ontime5	4946.6843323708	Sum of GTIs [s]
ontime6	4946.6432924271	Sum of GTIs [s]
ontime7	4946.7253724337	Sum of GTIs [s]
ontime8	4946.5612124205	Sum of GTIs [s]
l2events	62268	Number of level 2 events



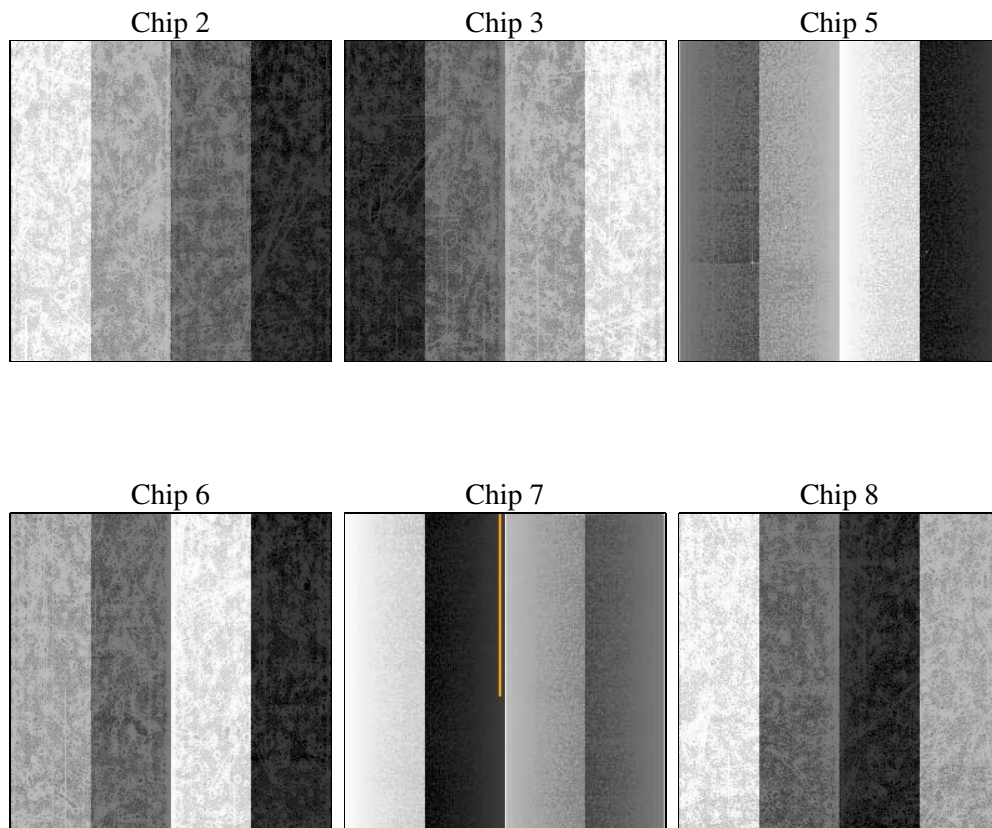
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	4946.7253724337	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	4946.7664123774	Sum of GTIs [s]
date	2020-10-29T01:36:53	Date and time of file creation	ontime3	4946.6022523642	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4946.6843323708	Sum of GTIs [s]
			ontime6	4946.6432924271	Sum of GTIs [s]
			ontime7	4946.7253724337	Sum of GTIs [s]
			ontime8	4946.5612124205	Sum of GTIs [s]
			l1events	267135	Number of level 1 events

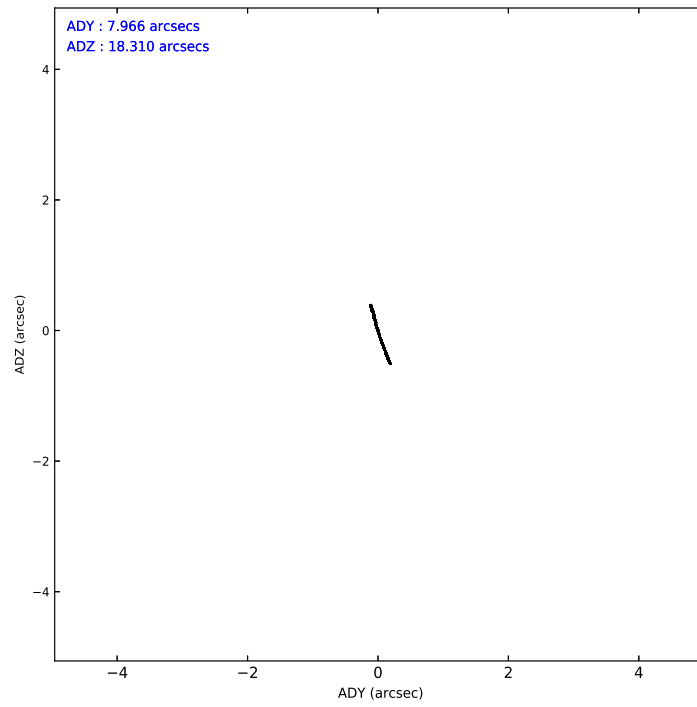
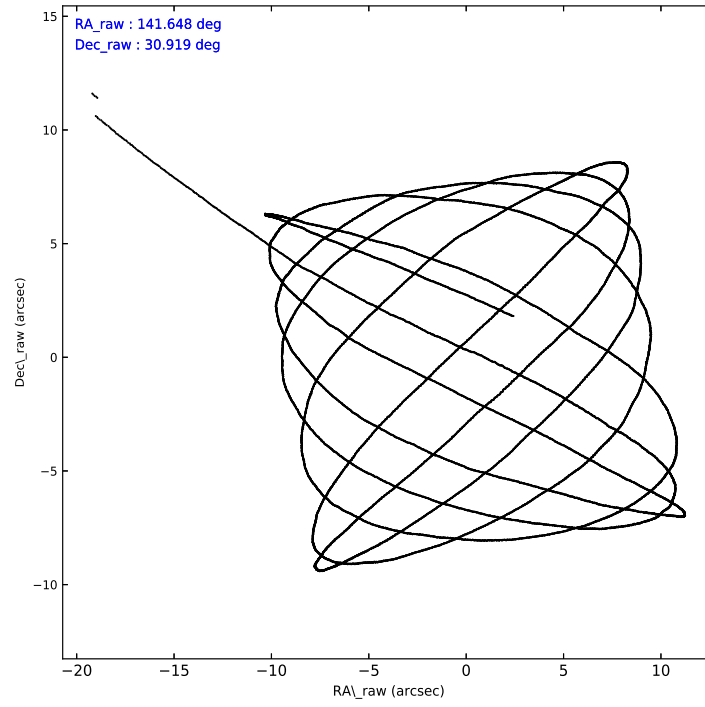
2.1.4 Events

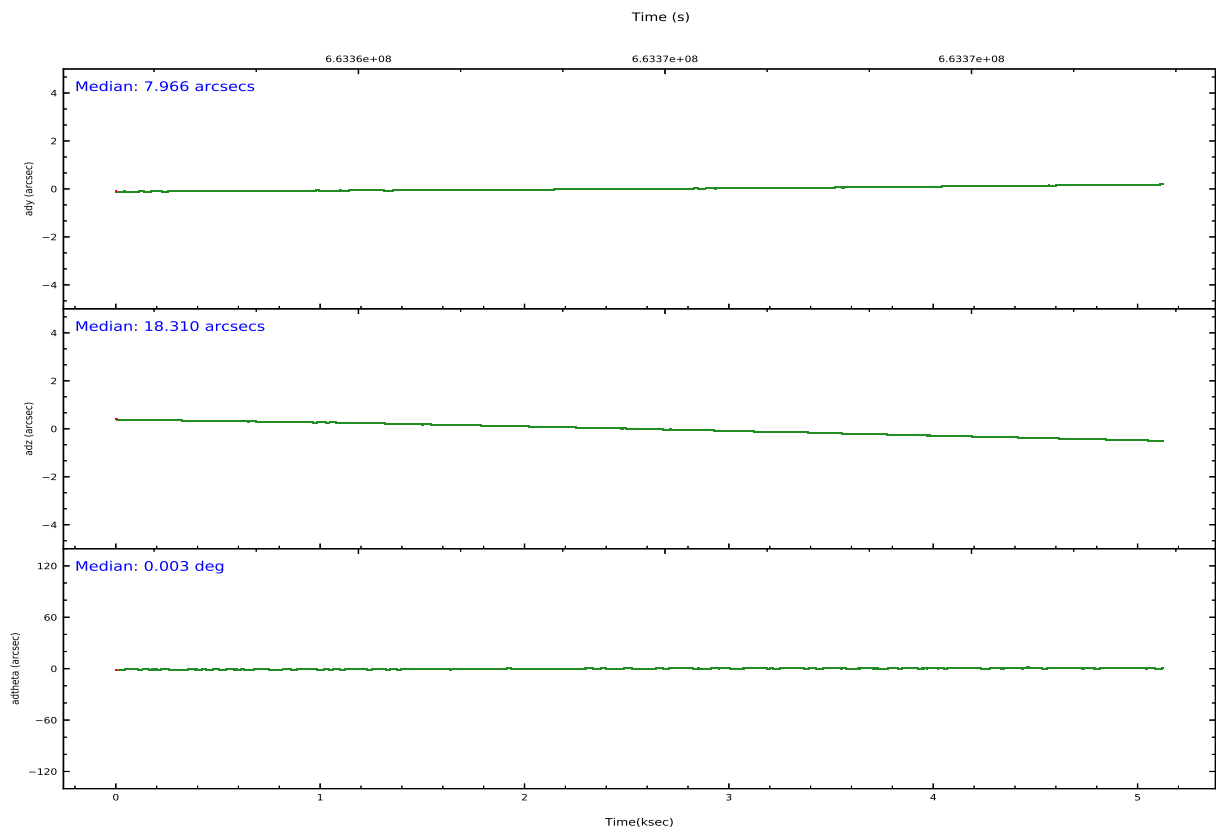
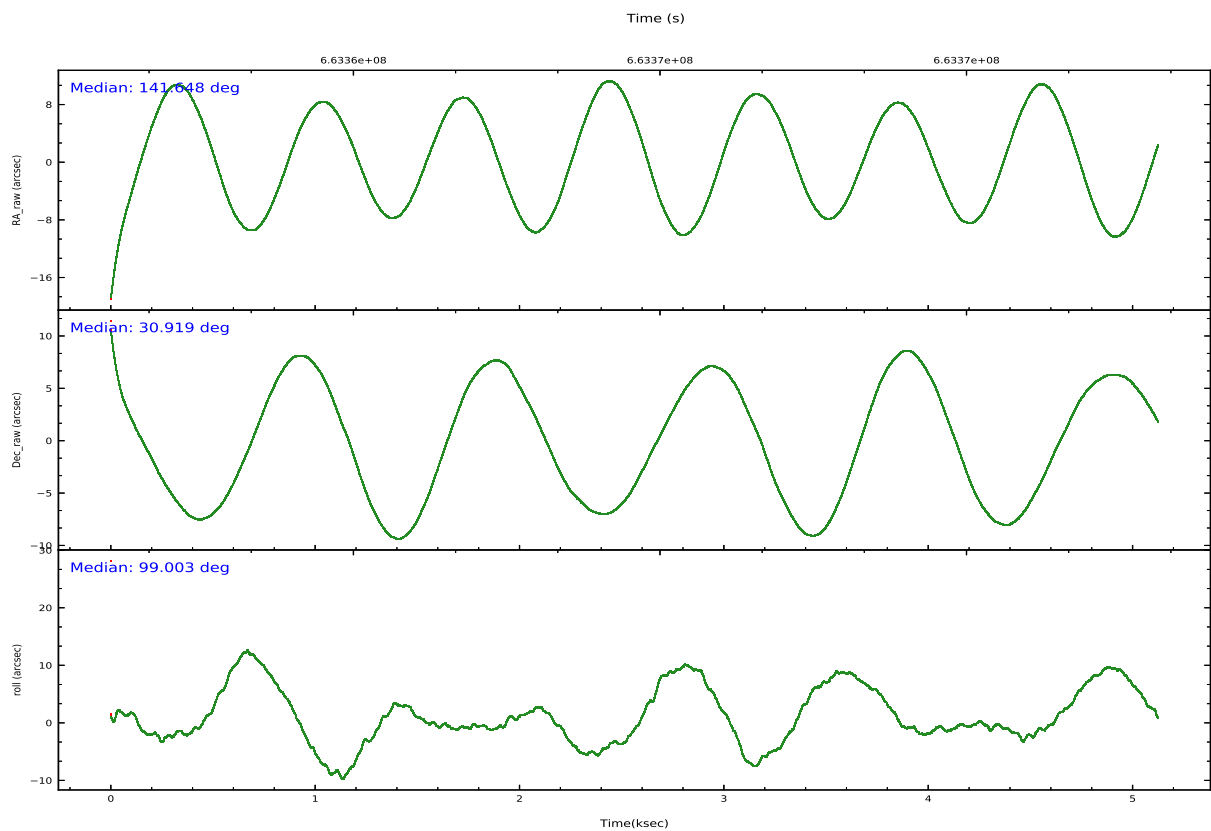
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36126	35538	62704	37172	46654	48941	grade 0 events	1461	1417	4199	1476	1785	4167
rejected events	32070	31713	31797	32870	25842	34861		4%	3%	6%	3%	3%	8%
rejected %	88%	89%	50%	88%	55%	71%	grade 1 events	27	24	143	18	83	50
								0%	0%	0%	0%	0%	0%
							grade 2 events	1039	842	9405	960	4502	3240
								2%	2%	14%	2%	9%	6%
							grade 3 events	413	372	858	430	1671	1513
								1%	1%	1%	1%	3%	3%
							grade 4 events	382	363	870	442	1611	1494
								1%	1%	1%	1%	3%	3%
							grade 5 events	1522	1764	4283	1678	4432	2586
								4%	4%	6%	4%	9%	5%
							grade 6 events	767	836	15626	997	11278	3680
								2%	2%	24%	2%	24%	7%
							grade 7 events	30515	29920	27320	31171	21292	32211
								84%	84%	43%	83%	45%	65%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	141.668011	141.65393217082	CCD I2 on	O2	Y
[deg] Pointing Dec	30.897360	30.917063400571	CCD I3 on	O3	Y
[deg] Pointing Roll	98.843883	99.00321582502799	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	663362938.184000	663361686.88986	CCD S5 on	N	N
Observation start date	2019-01-08T19:27:49	2019-01-08T19:08:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	663367938.184000	663368540.55277	On-chip summing requested	N	N
Observation end date	2019-01-08T20:51:09	2019-01-08T21:02:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



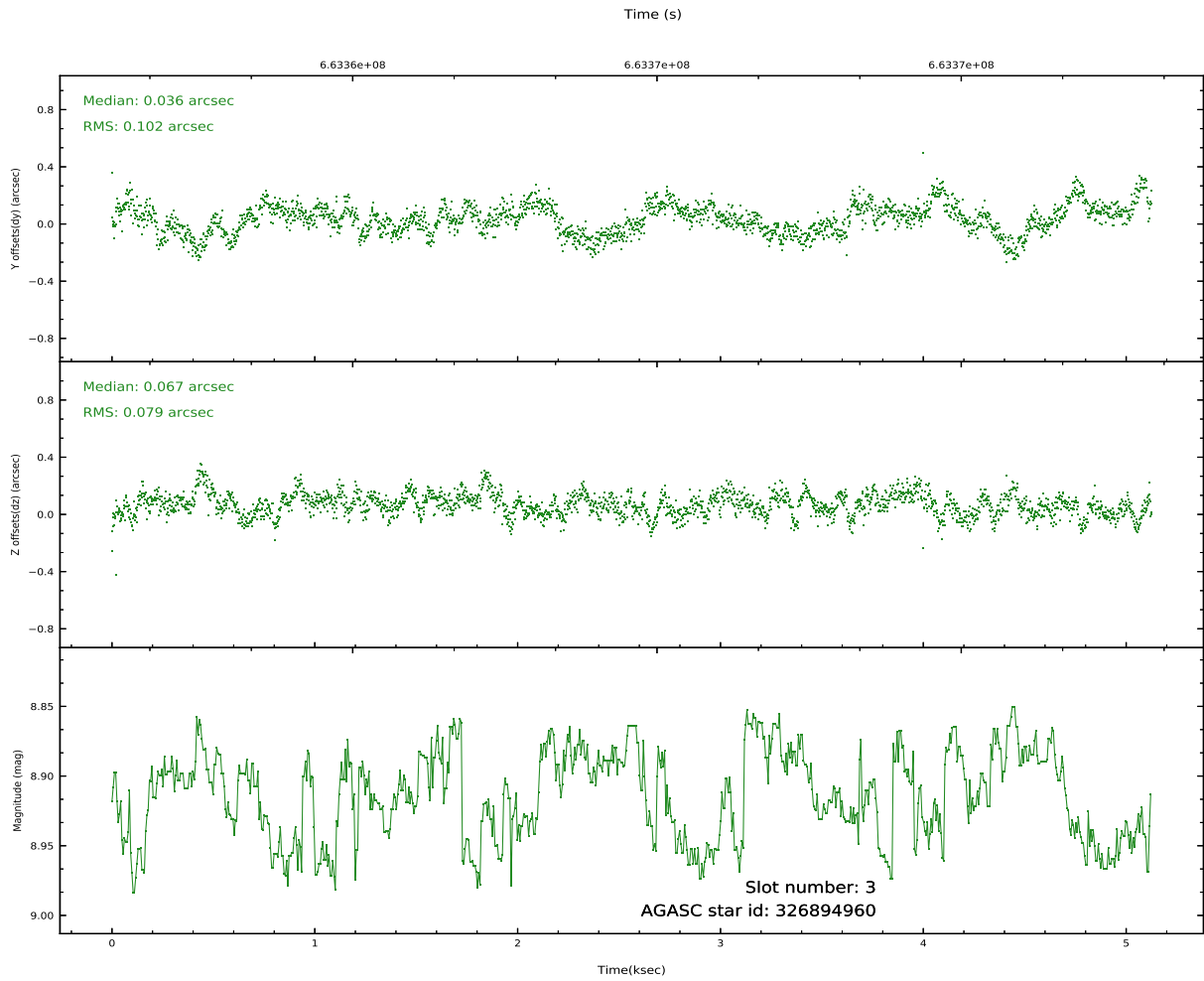
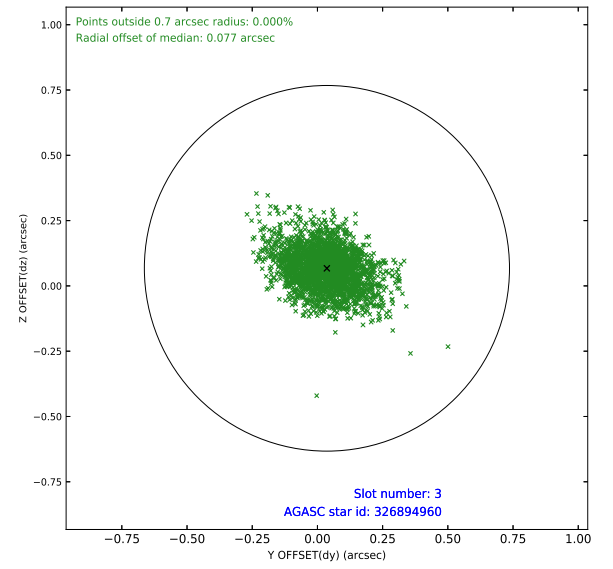
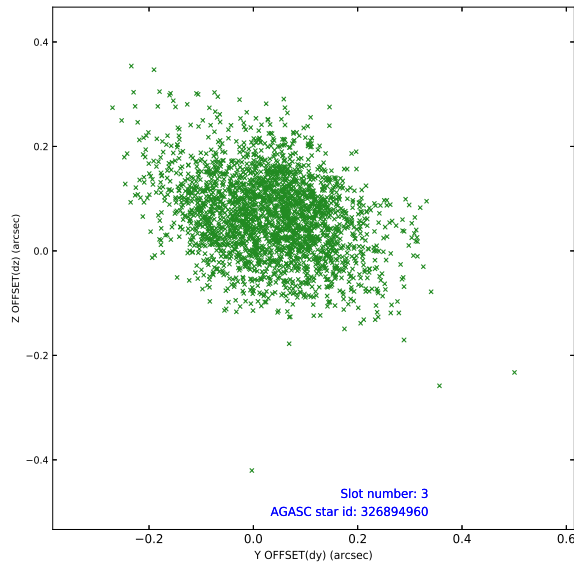


Slot Statistics

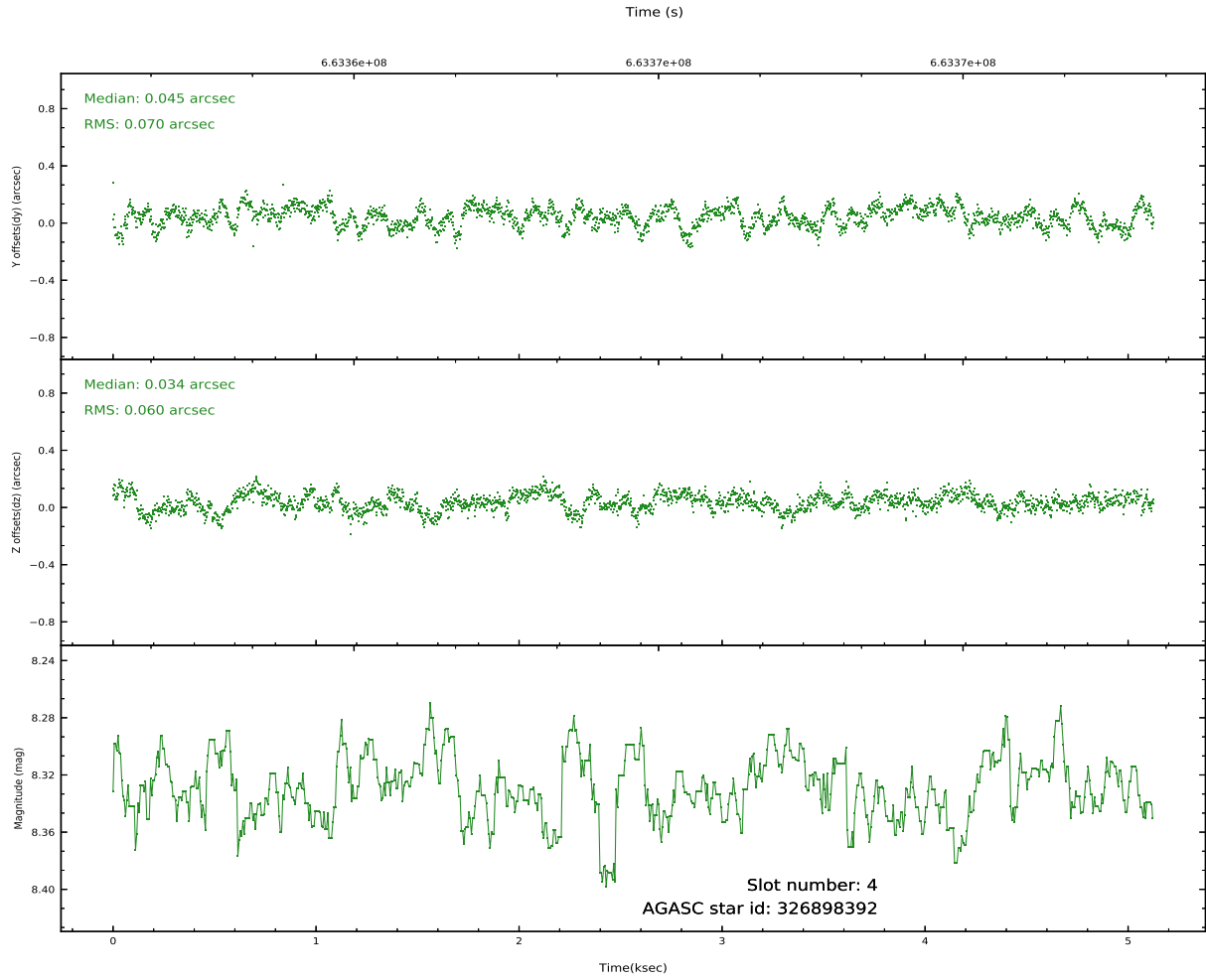
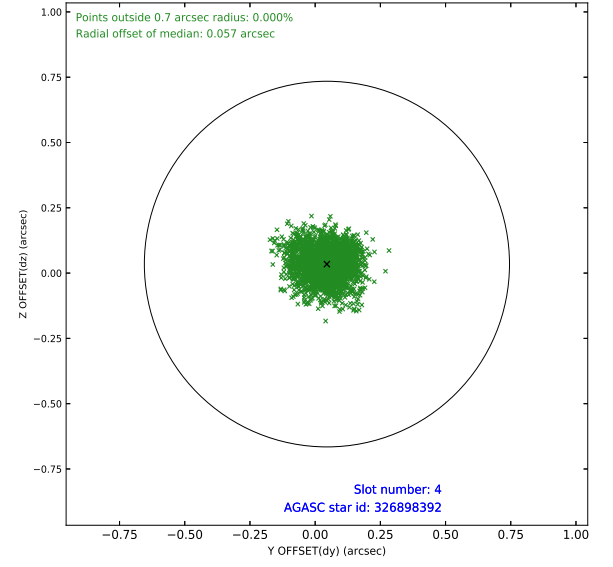
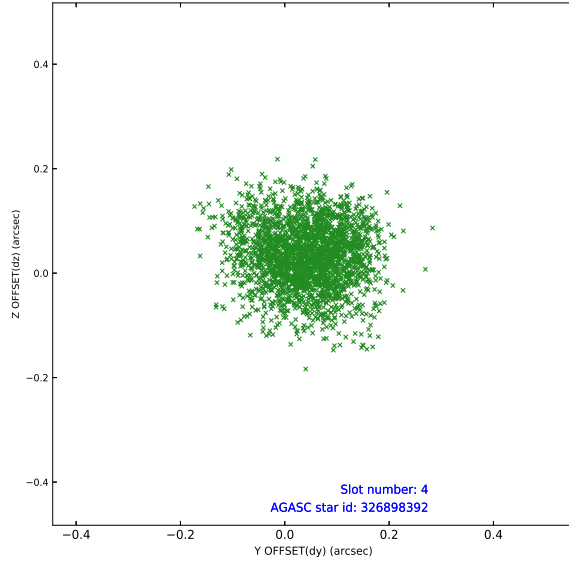
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.95	1251	1.000	0.139	-0.107	0.009	0.014	0.000000	0.000000	-760.85	-1739
1	FID		ACIS-S-4	7.08	1251	1.000	0.094	-0.038	0.006	0.011	0.000000	0.000000	2152.09	167
2	FID		ACIS-S-5	7.08	1251	1.000	-0.264	0.154	0.009	0.015	0.000000	0.000000	-1812.33	162
3	GUIDE	used	326894960	8.91	2499	1.000	0.036	0.067	0.135	0.227	141.736989	30.296358	-2171.87	120
4	GUIDE	used	326898392	8.33	2501	1.000	0.045	0.034	0.098	0.157	141.640946	31.182886	1026.79	-76
5	GUIDE	used	326899216	9.24	2501	1.000	-0.078	-0.108	0.152	0.238	141.627351	30.776310	-411.06	191
6	GUIDE	used	326899696	9.50	2498	1.000	0.097	-0.034	0.249	0.415	142.091565	31.387499	1545.65	-1557
7	GUIDE	used	326903944	7.59	2499	1.000	-0.070	0.054	0.123	0.226	141.372366	30.493208	-1298.93	1128

2.4 Star Slots

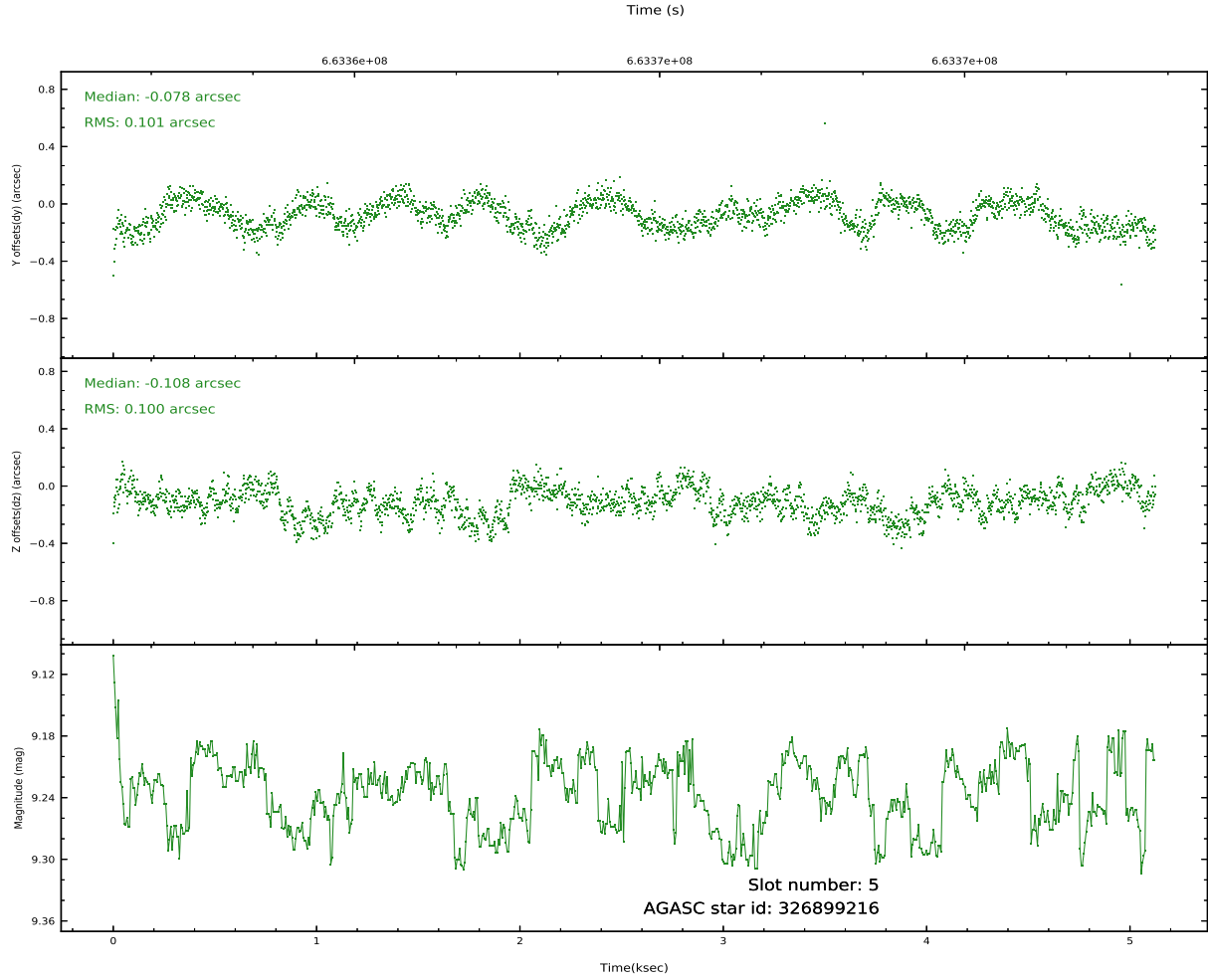
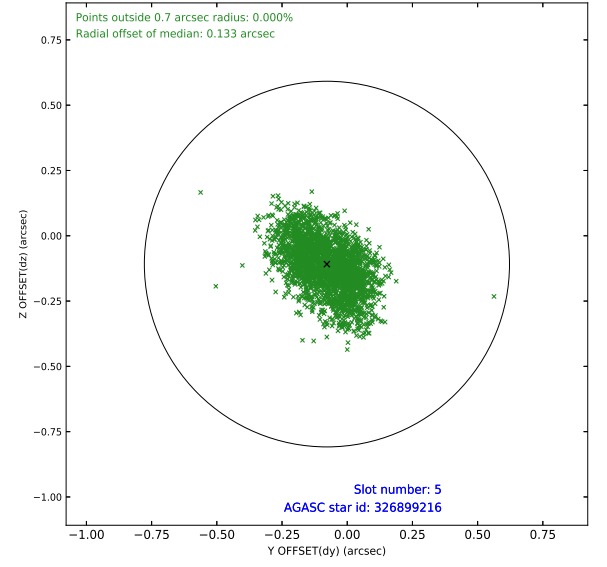
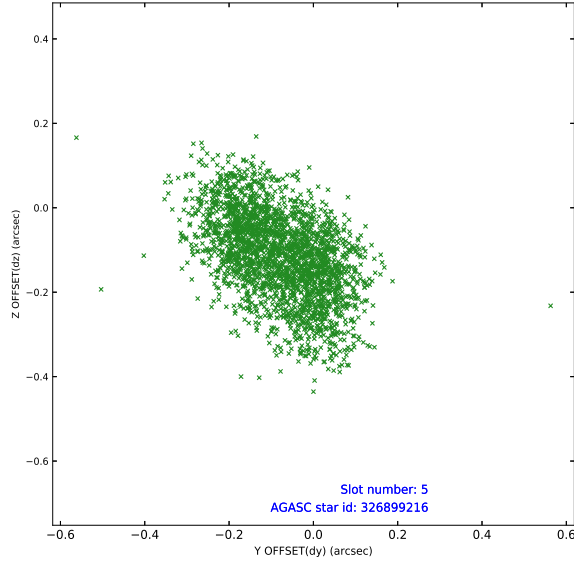
2.4.1 Slot 3



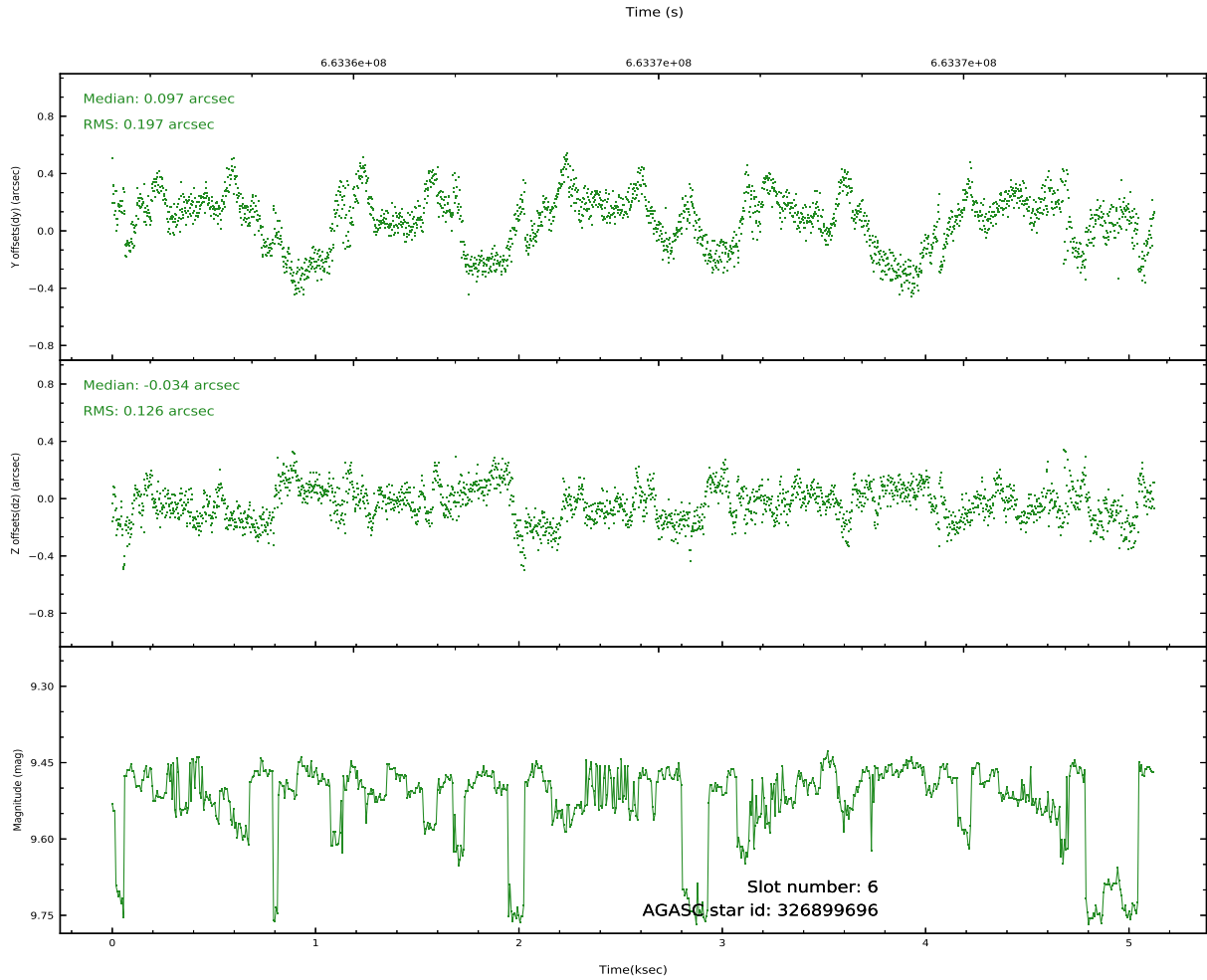
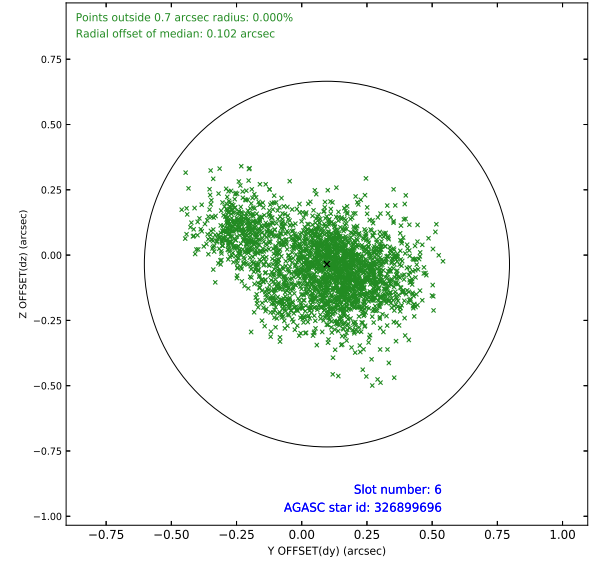
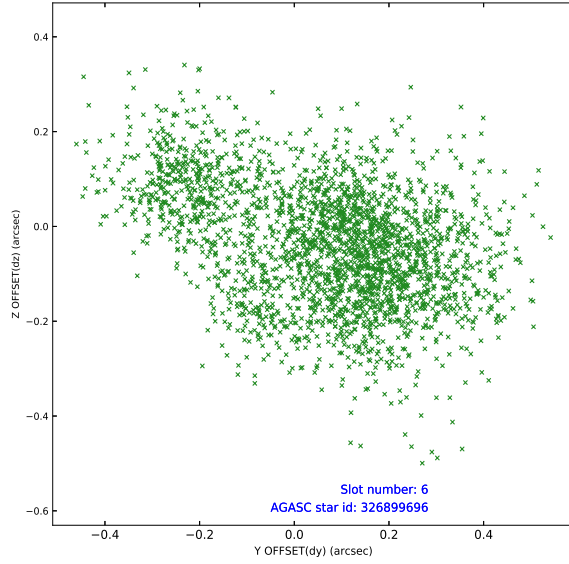
2.4.2 Slot 4



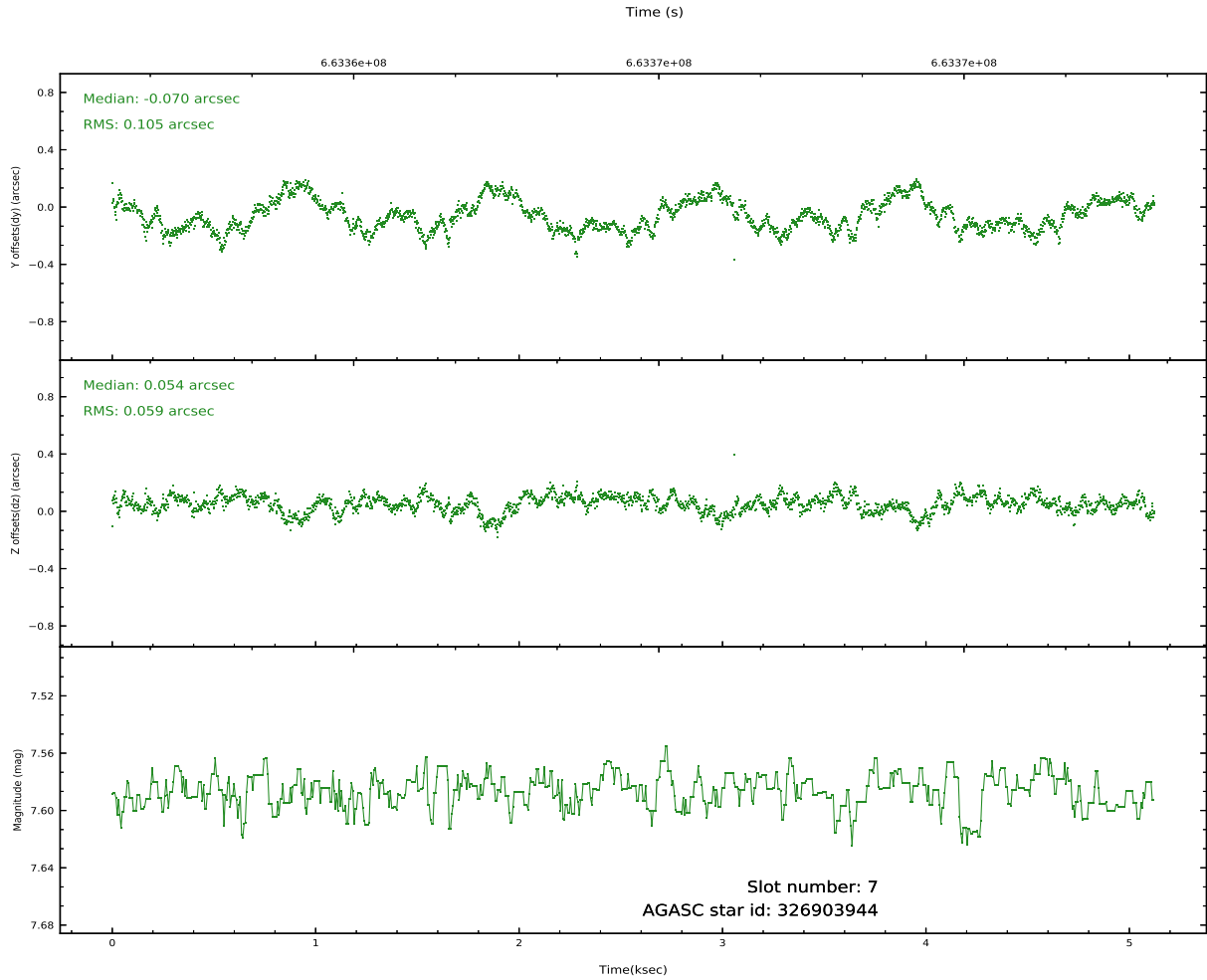
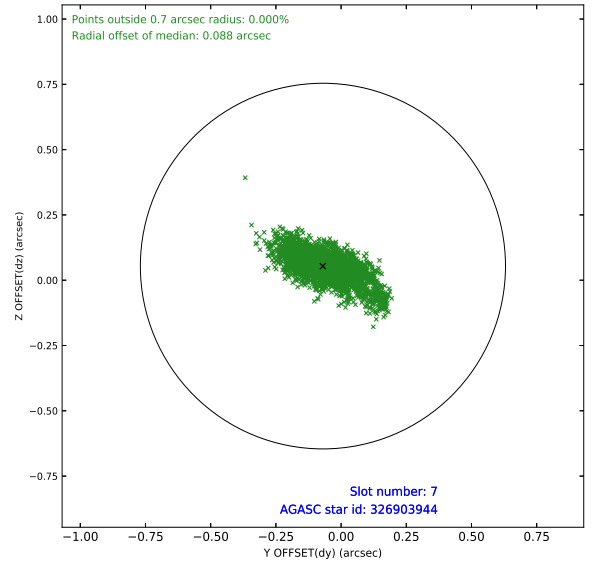
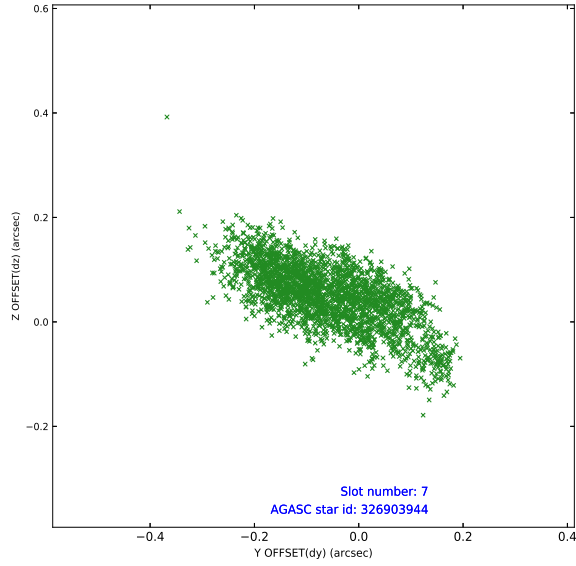
2.4.3 Slot 5



2.4.4 Slot 6

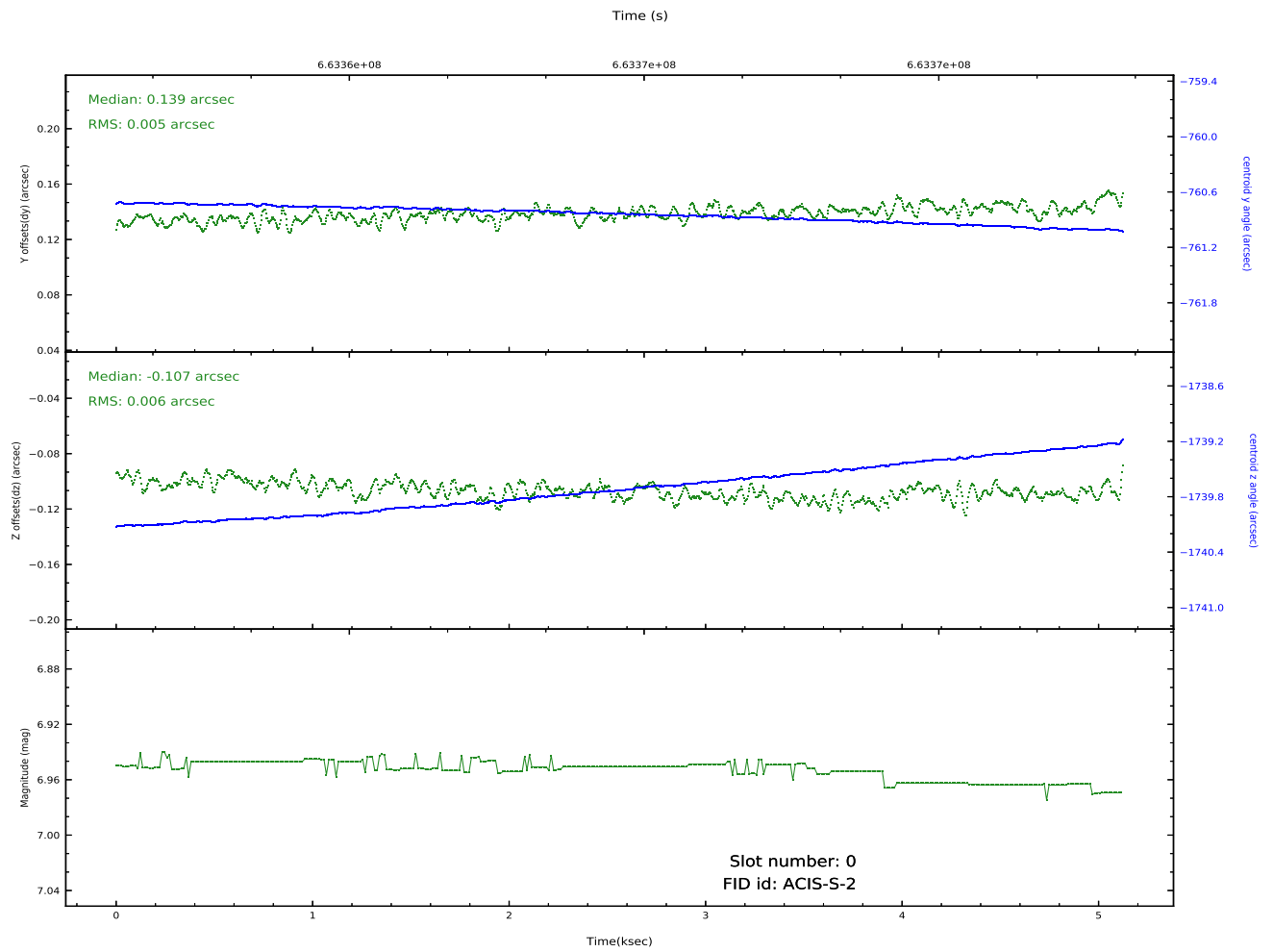
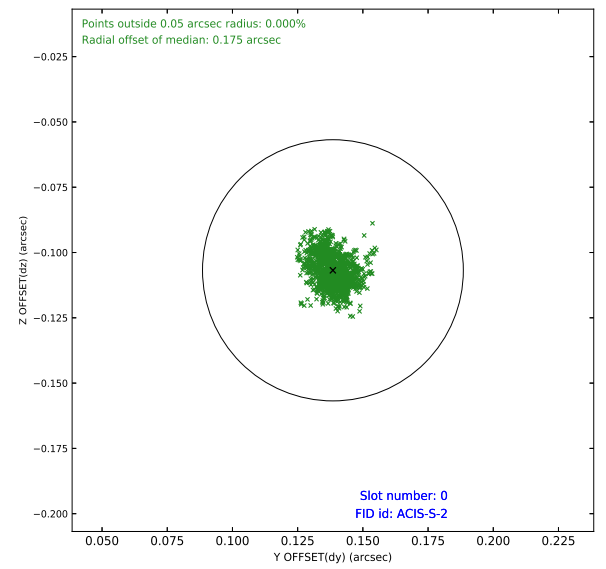
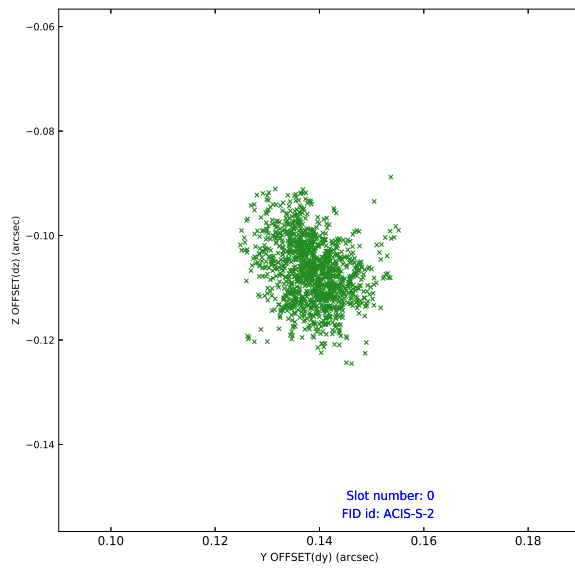


2.4.5 Slot 7

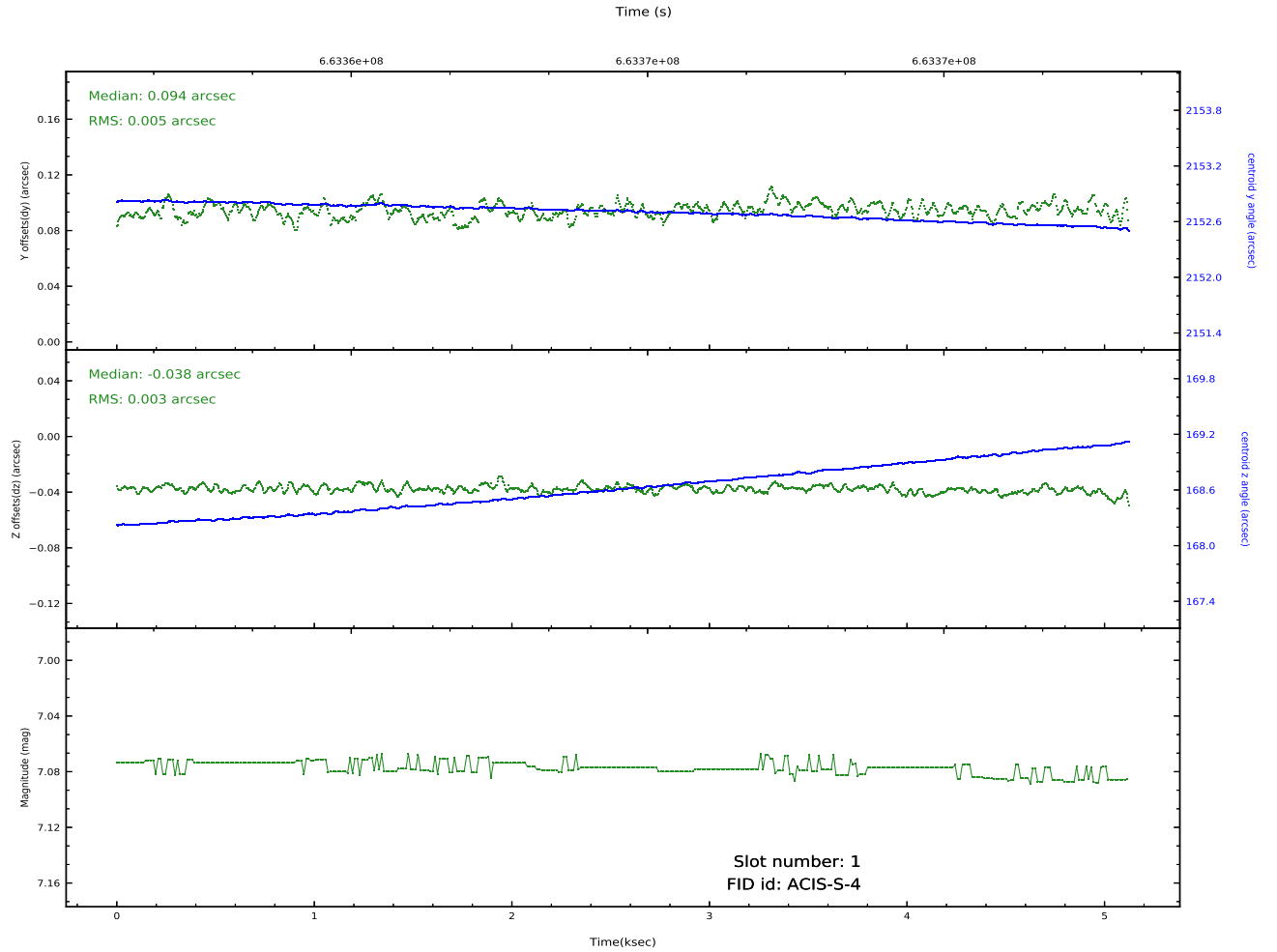
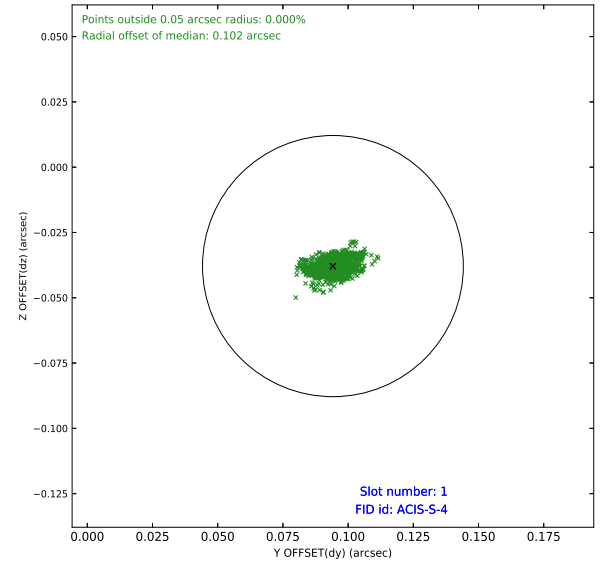
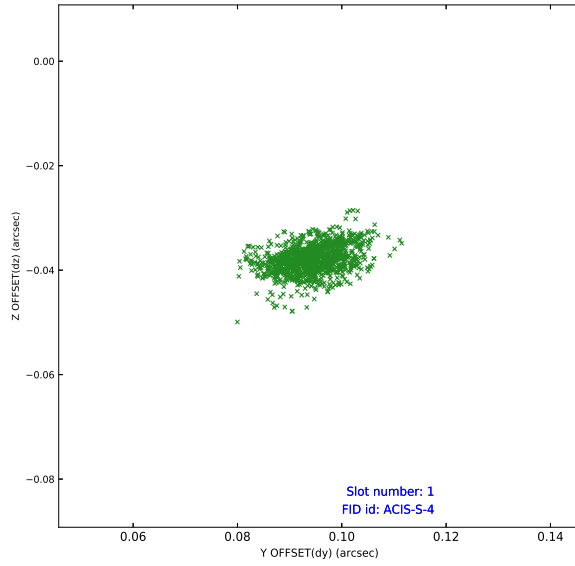


2.5 FID Slots

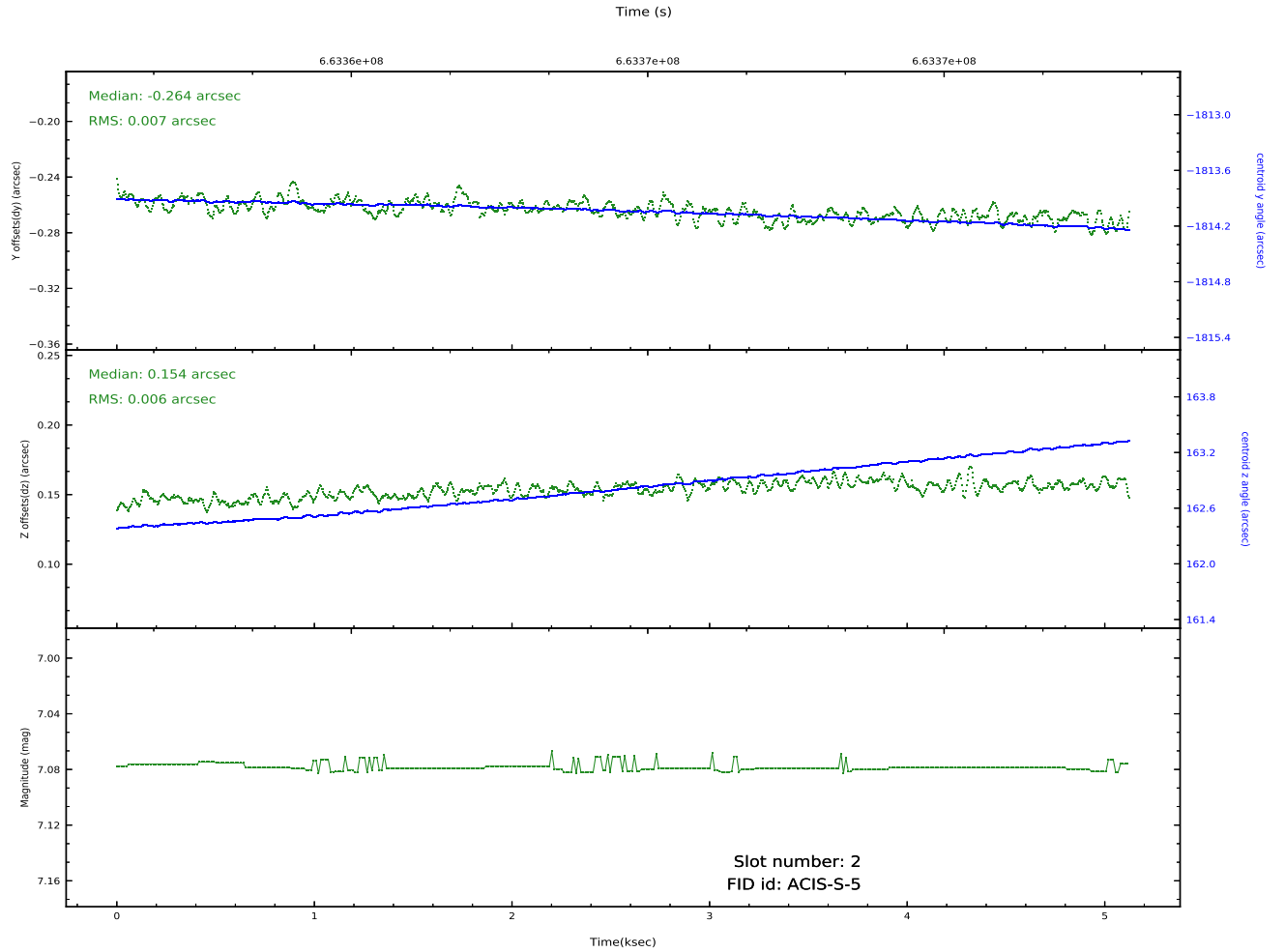
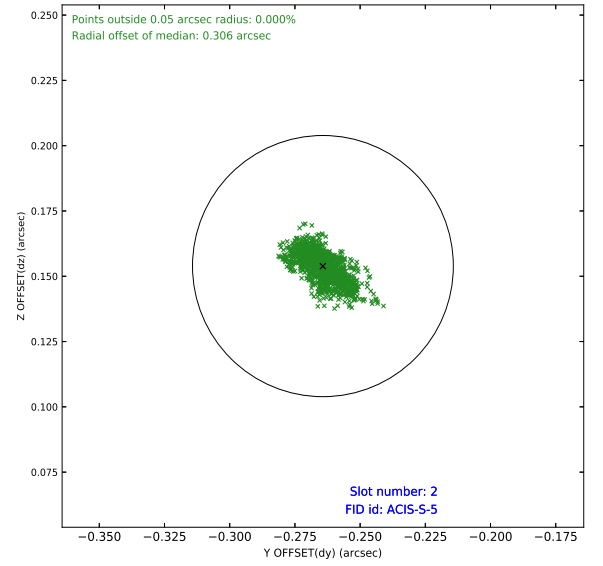
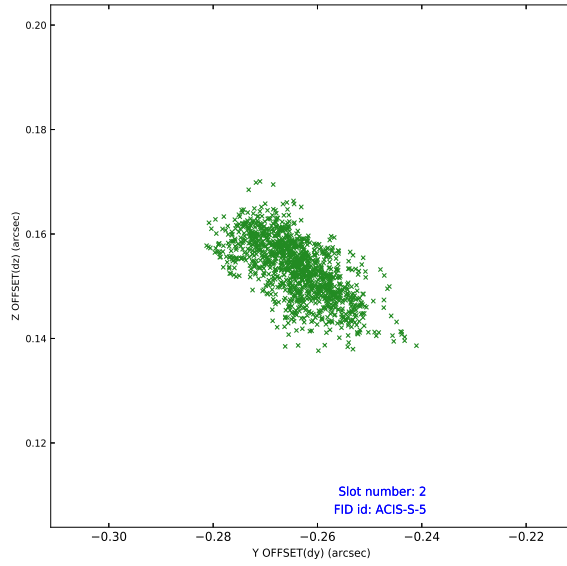
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9467253732681

A.2 Comments