

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5703 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 5 2020

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1 Front

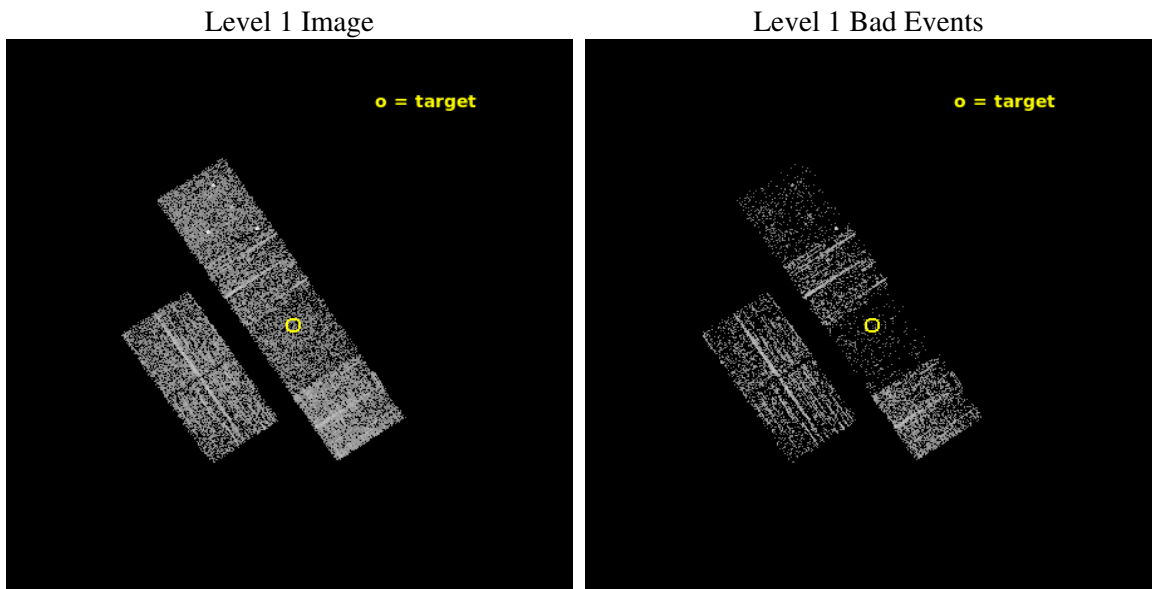
seq_num	701125	Sequence number
obs_id	5703	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J090924.01+000211.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.35	Observer's specified target RA [deg]
dec_targ	0.036389	Observer's specified target Dec [deg]
ra_nom	137.35753630448	Nominal RA [deg]
dec_nom	0.039869249374622	Nominal Dec [deg]
roll_nom	56.235511795908	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1353.5999949574	Sum of GTIs [s]
livetime	1336.4598967812	Livetime [s]
ontime2	1353.5999949574	Sum of GTIs [s]
ontime3	1353.5999949574	Sum of GTIs [s]
ontime5	1353.5999949574	Sum of GTIs [s]
ontime6	1353.5999949574	Sum of GTIs [s]
ontime7	1353.5999949574	Sum of GTIs [s]
ontime8	1350.3590146899	Sum of GTIs [s]
l2events	7734	Number of level 2 events



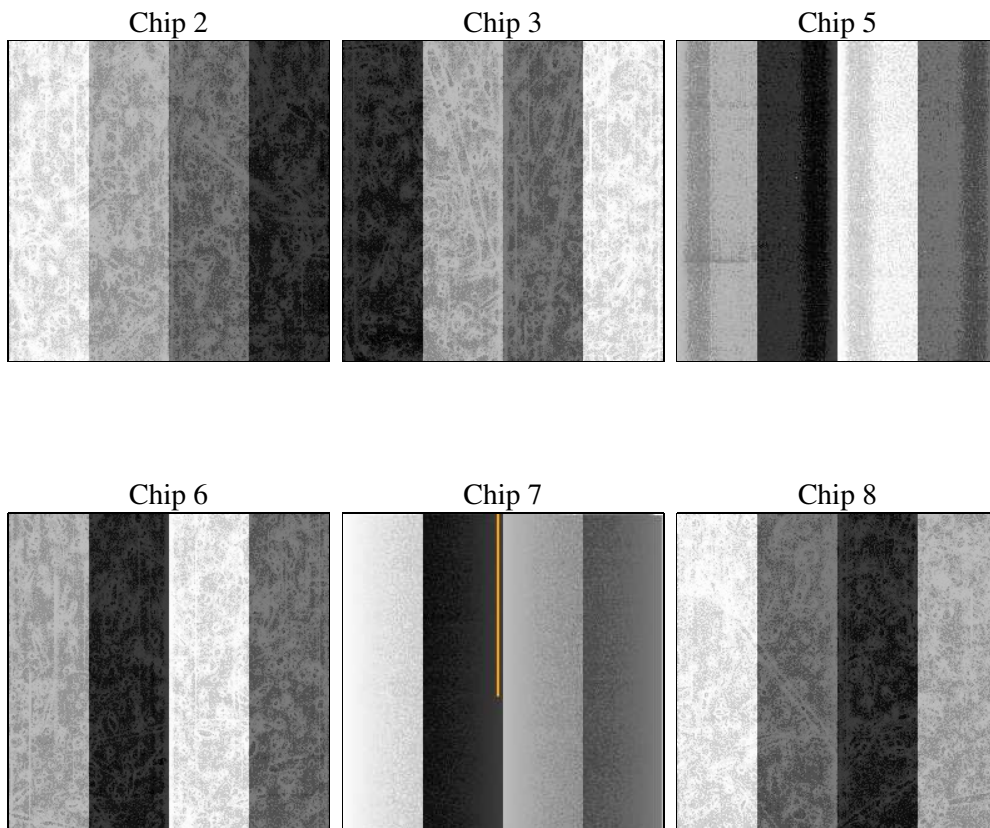
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1353.5999949574	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	1353.5999949574	Sum of GTIs [s]
date	2020-10-05T19:30:34	Date and time of file creation	ontime3	1353.5999949574	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1353.5999949574	Sum of GTIs [s]
			ontime6	1353.5999949574	Sum of GTIs [s]
			ontime7	1353.5999949574	Sum of GTIs [s]
			ontime8	1350.3590146899	Sum of GTIs [s]
			l1events	44096	Number of level 1 events

2.1.4 Events

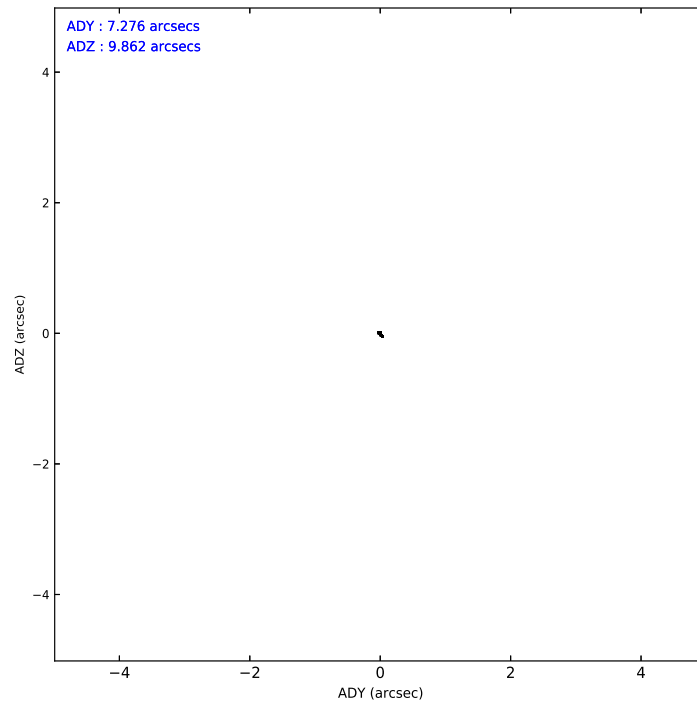
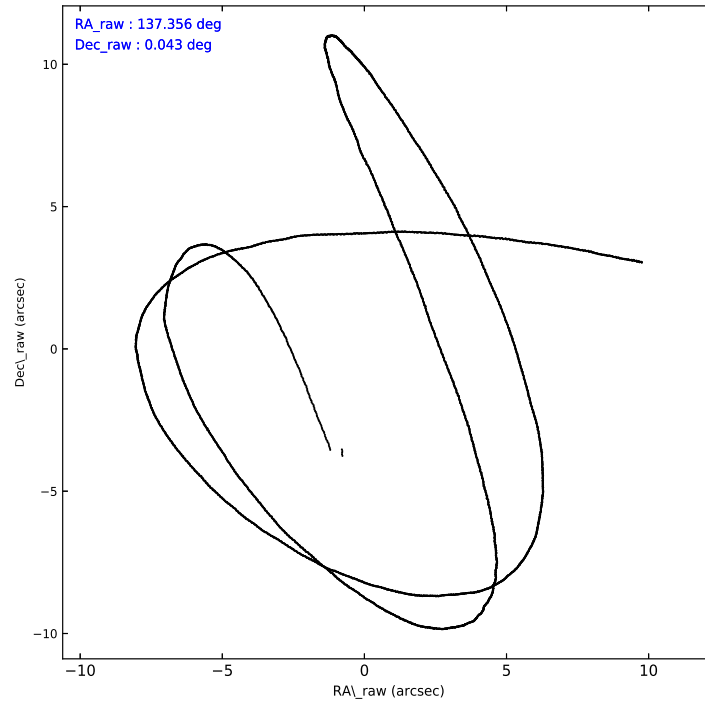
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7529	7640	7023	7084	4029	10791
rejected events	6884	7073	2536	6446	1660	8839
rejected %	91%	92%	36%	90%	41%	81%

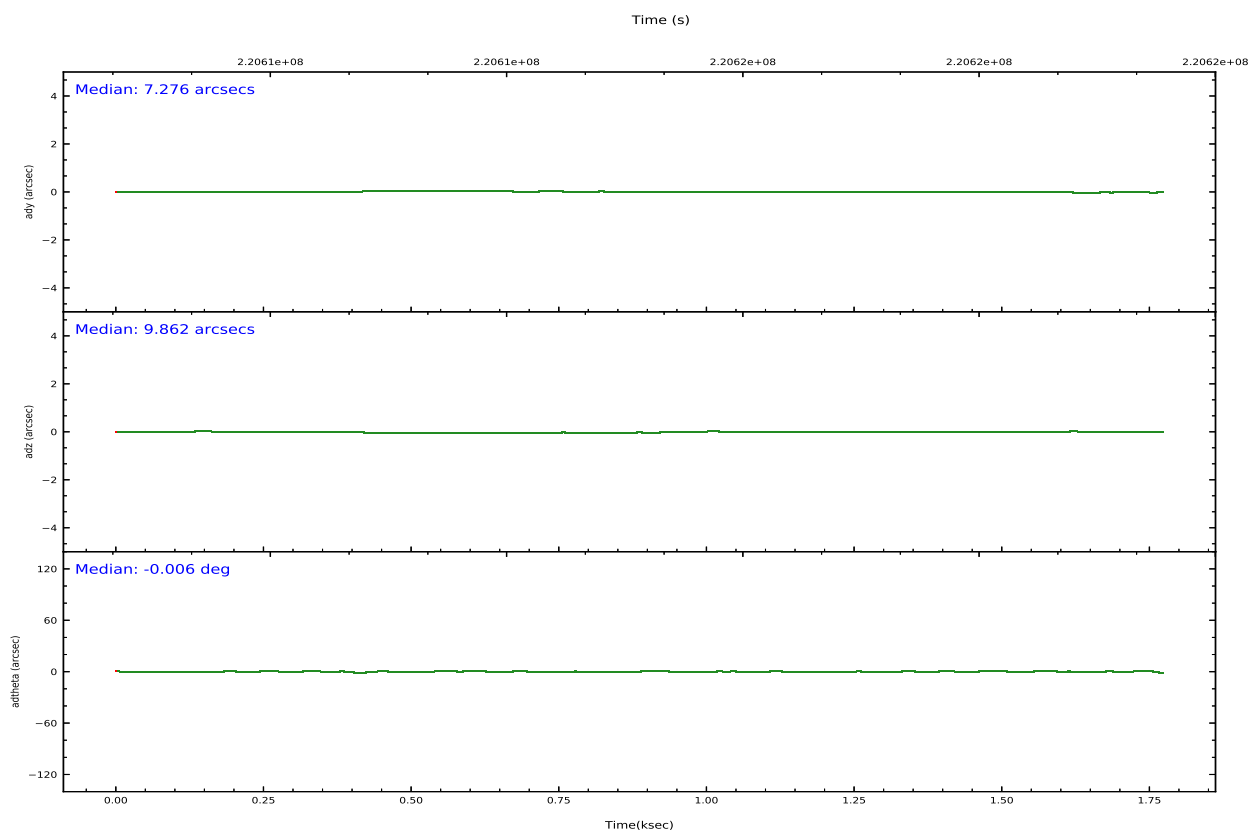
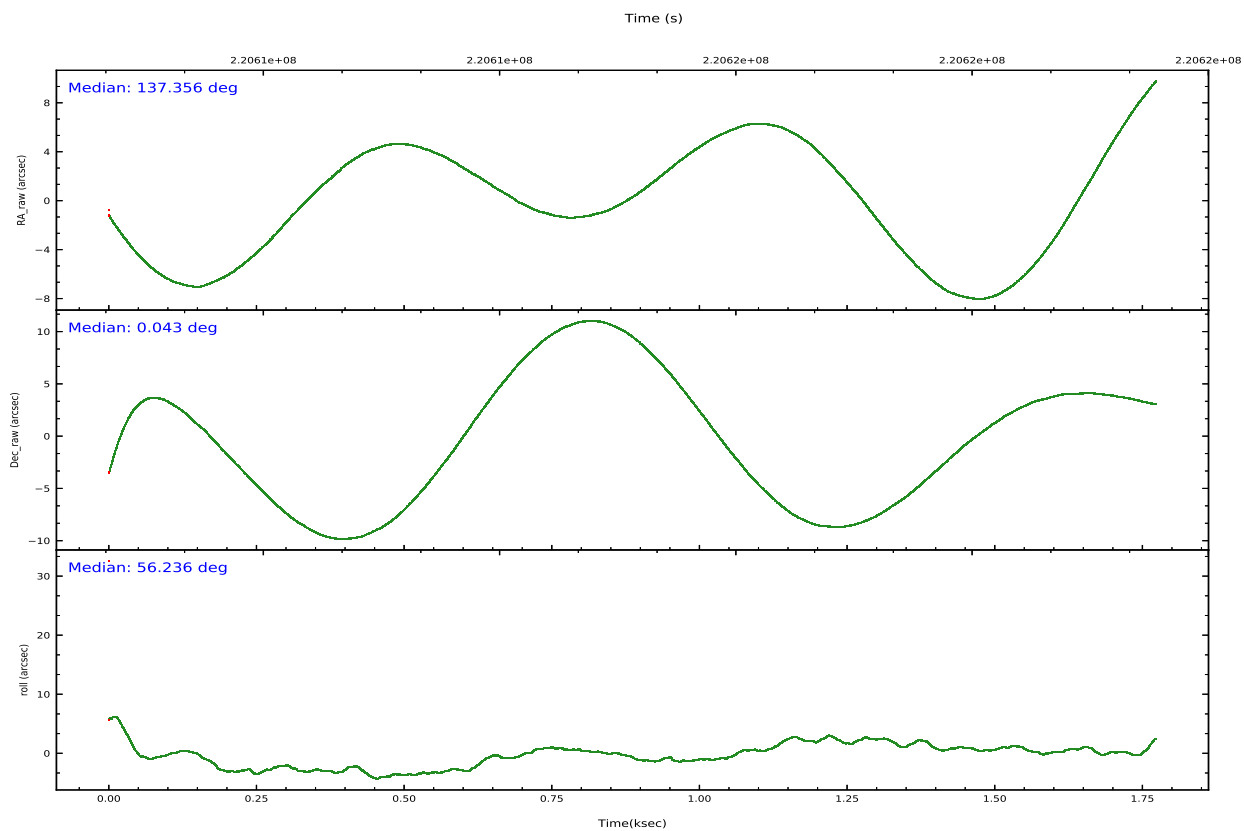
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	258	216	936	250	319	557
	3%	2%	13%	3%	7%	5%
grade 1 events	4	1	58	7	6	13
	0%	0%	0%	0%	0%	0%
grade 2 events	150	123	1301	136	565	440
	1%	1%	18%	1%	14%	4%
grade 3 events	73	78	227	84	263	244
	0%	1%	3%	1%	6%	2%
grade 4 events	73	72	238	72	257	253
	0%	0%	3%	1%	6%	2%
grade 5 events	110	145	604	120	433	231
	1%	1%	8%	1%	10%	2%
grade 6 events	92	79	1803	99	972	464
	1%	1%	25%	1%	24%	4%
grade 7 events	6769	6926	1856	6316	1214	8589
	89%	90%	26%	89%	30%	79%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	137.355279	137.35753630448	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.016163	0.039869249374622	Alternating exposures requested	N	N
[deg] Pointing Roll	56.082008	56.235511795908	[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)	220614311.184000	220613129.36046			
Observation start date	2004-12-28T09:44:07	2004-12-28T09:25:29			
[s] Observation end time (MET)	220615911.184000	220616859.84813			
Observation end date	2004-12-28T10:10:47	2004-12-28T10:27:39			
Read mode	TIMED	TIMED			

2.3 Aspect



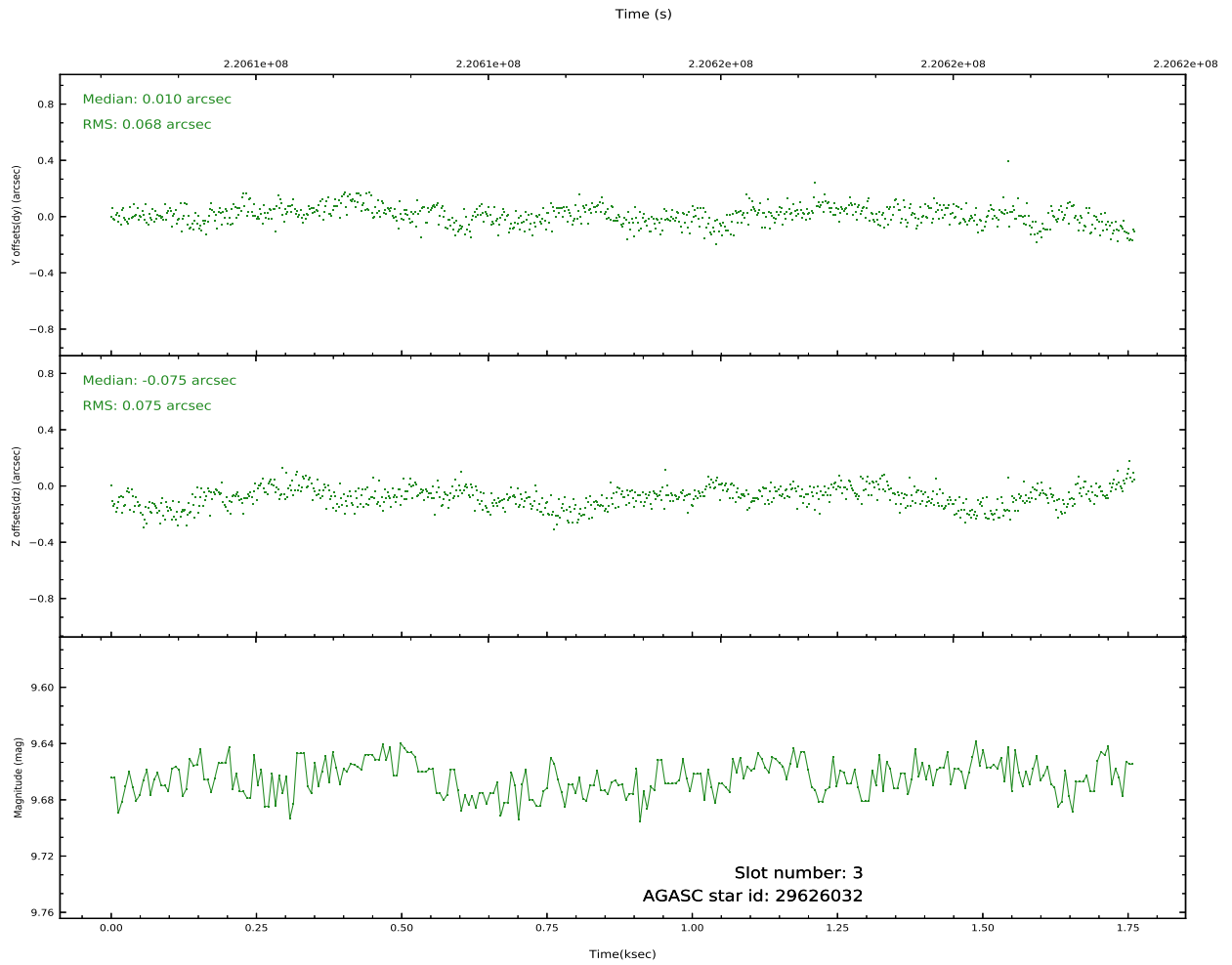
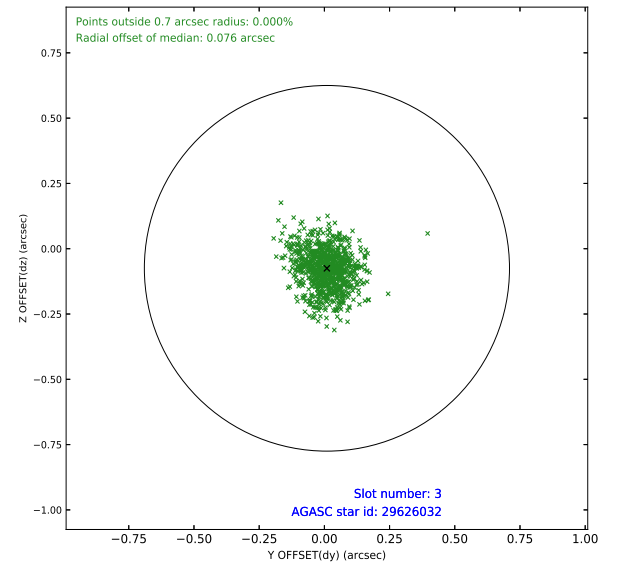
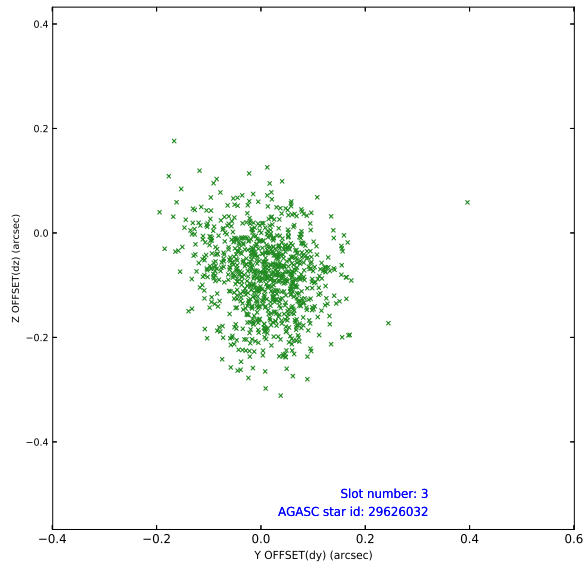


Slot Statistics

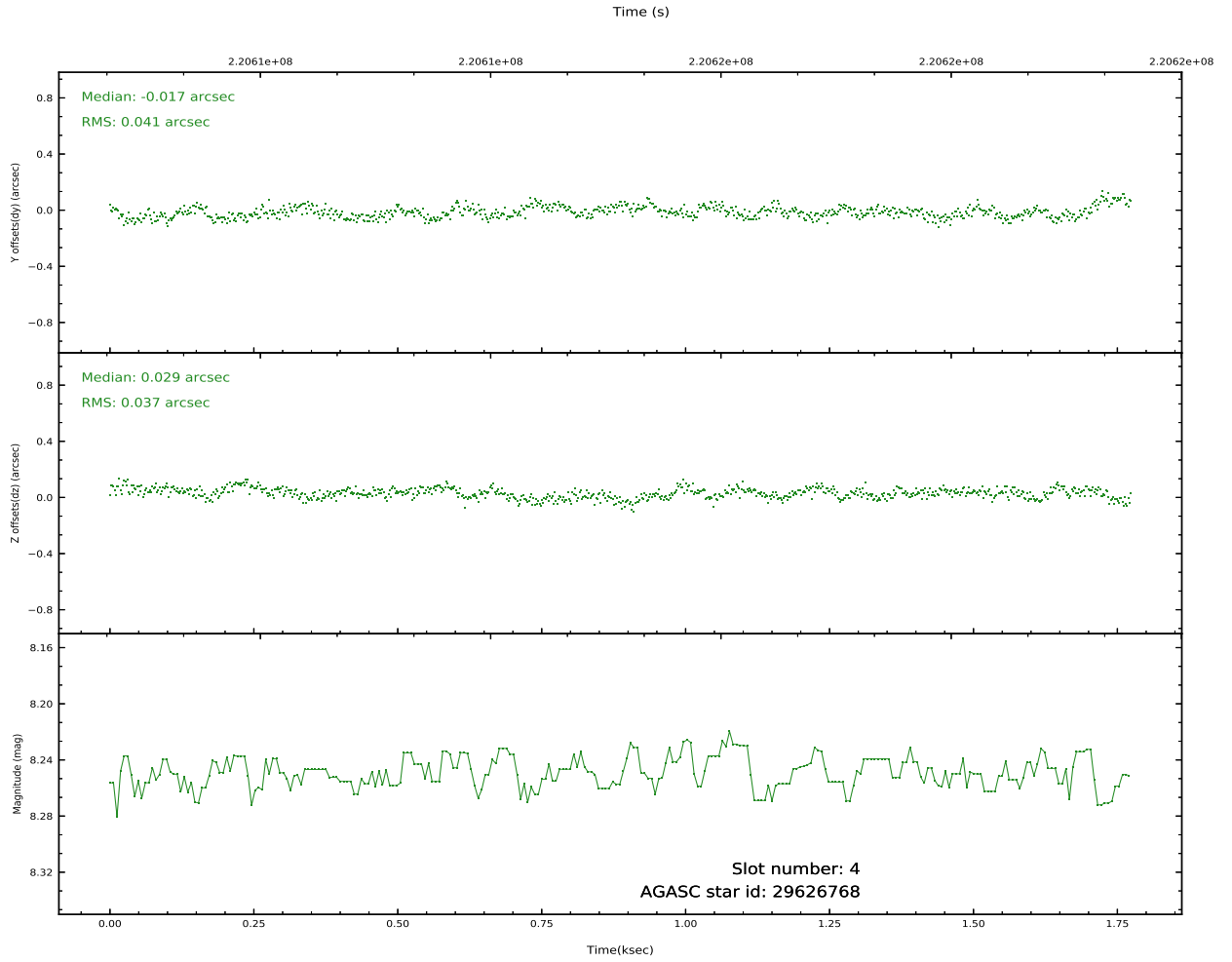
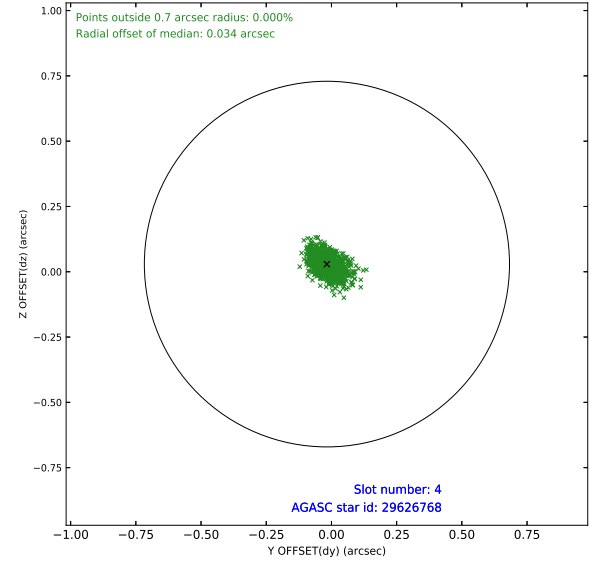
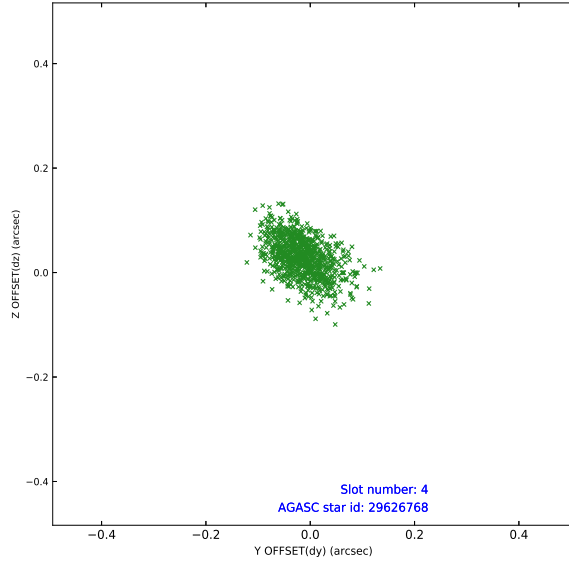
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	433	1.000	-0.077	-0.065	0.006	0.010	0.000000	0.000000	-760.05	-1731
1	FID		ACIS-S-4	7.20	432	1.000	0.157	0.055	0.006	0.011	0.000000	0.000000	2151.70	173
2	FID		ACIS-S-5	7.24	433	1.000	-0.112	0.019	0.006	0.010	0.000000	0.000000	-1808.23	171
3	GUIDE	used	29626032	9.66	860	1.000	0.010	-0.075	0.108	0.174	137.414003	0.223040	737.23	239
4	GUIDE	used	29626768	8.25	866	1.000	-0.017	0.029	0.057	0.099	136.888189	0.063238	-795.89	1489
5	GUIDE	used	639501600	9.66	866	1.000	-0.045	0.169	0.137	0.211	137.692031	-0.173298	111.00	-1385
6	GUIDE	used	639508320	9.41	866	1.000	0.109	-0.194	0.081	0.125	137.148148	-0.283173	-1308.86	14
7	GUIDE	used	639508480	8.59	865	1.000	-0.057	0.077	0.084	0.136	137.375691	-0.398425	-1198.34	-895

2.4 Star Slots

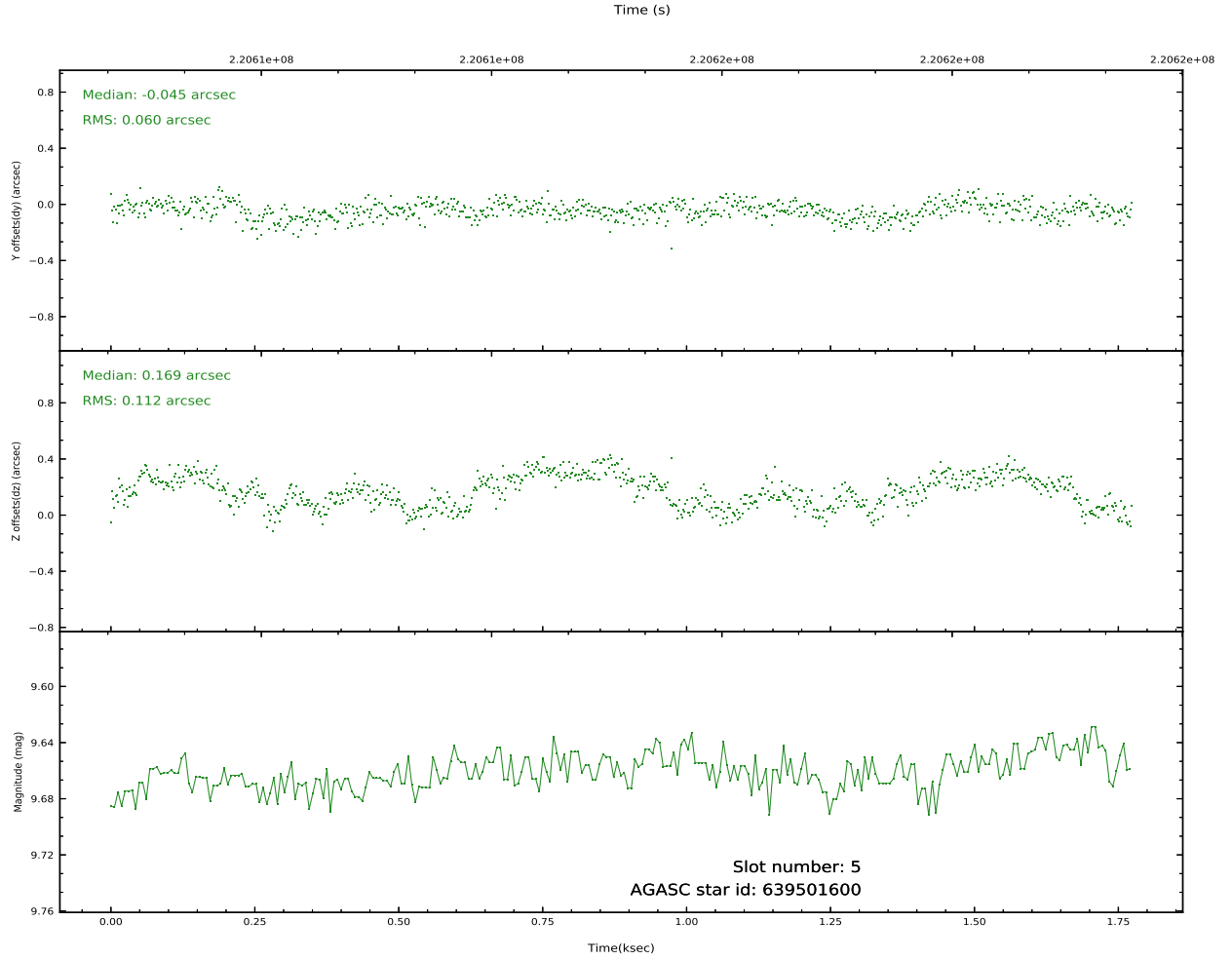
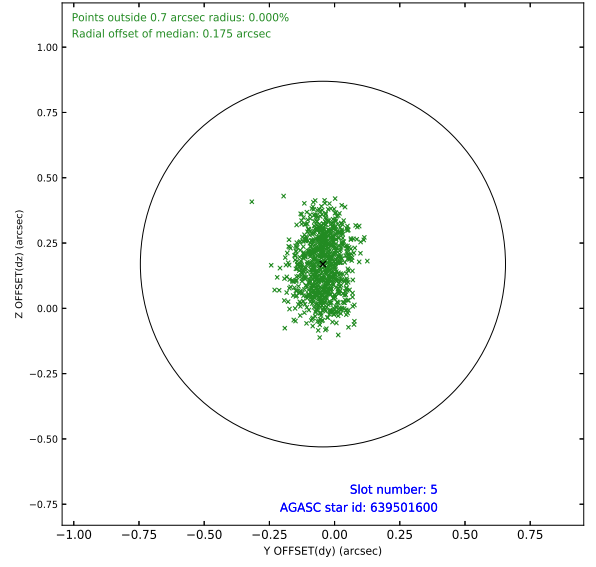
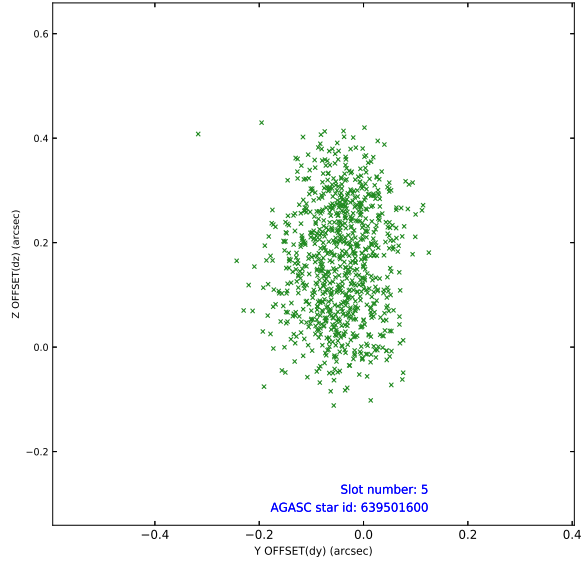
2.4.1 Slot 3



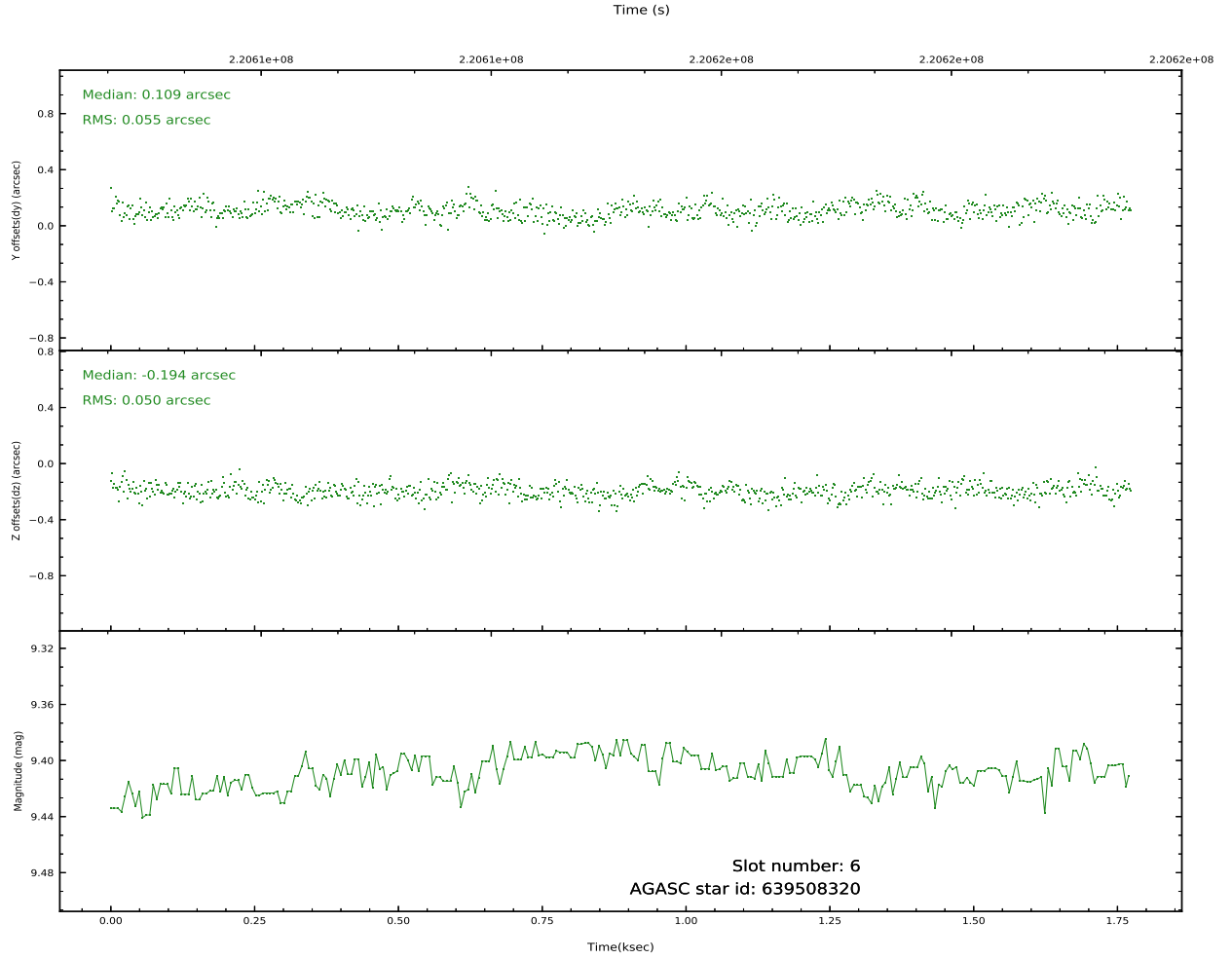
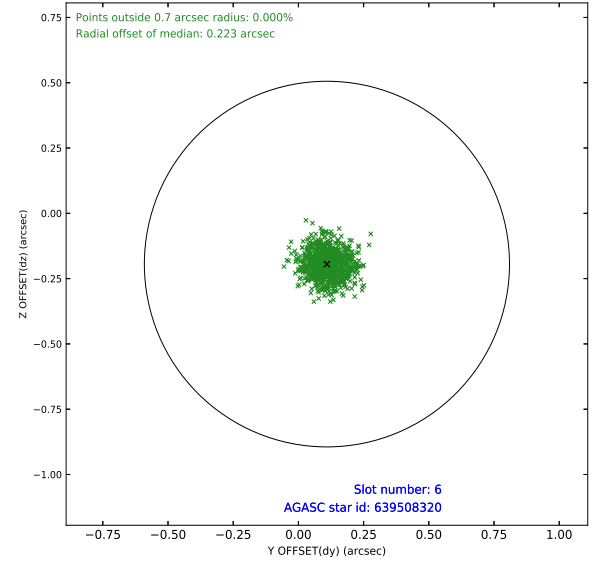
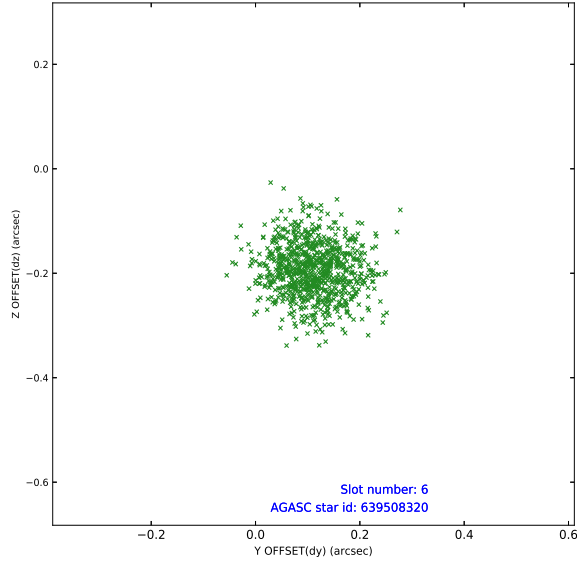
2.4.2 Slot 4



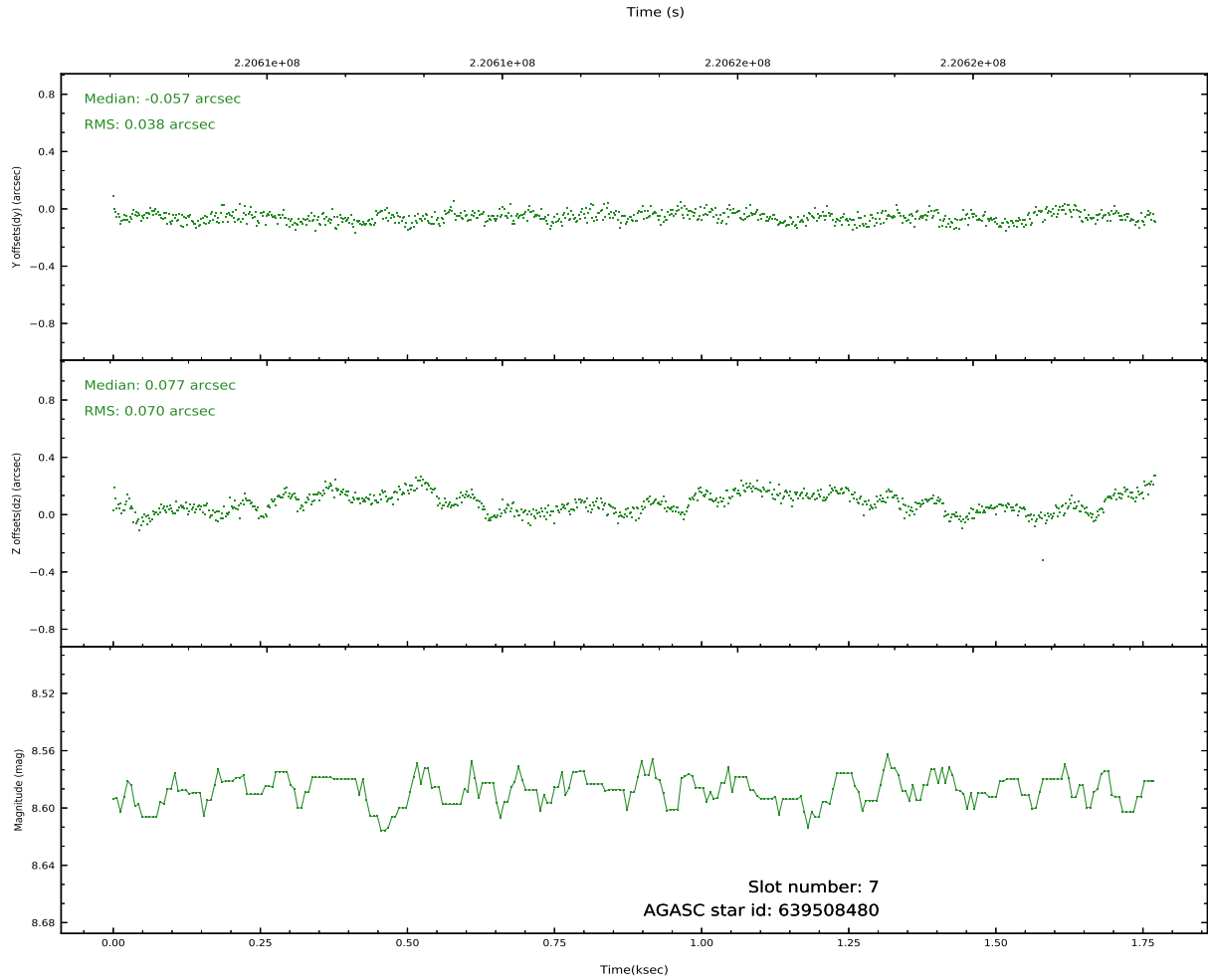
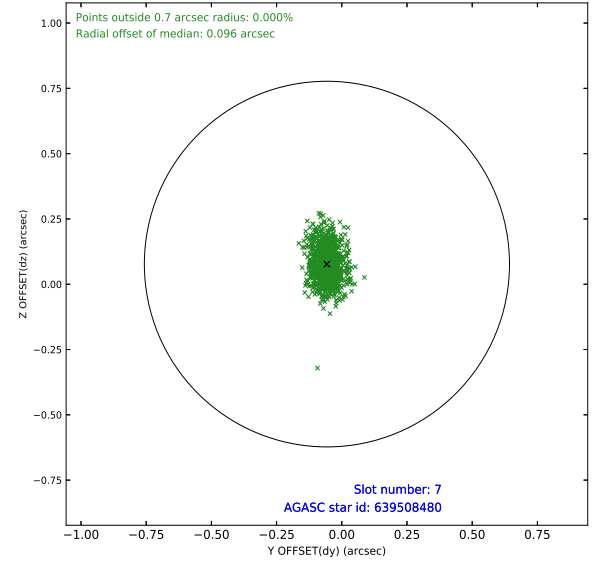
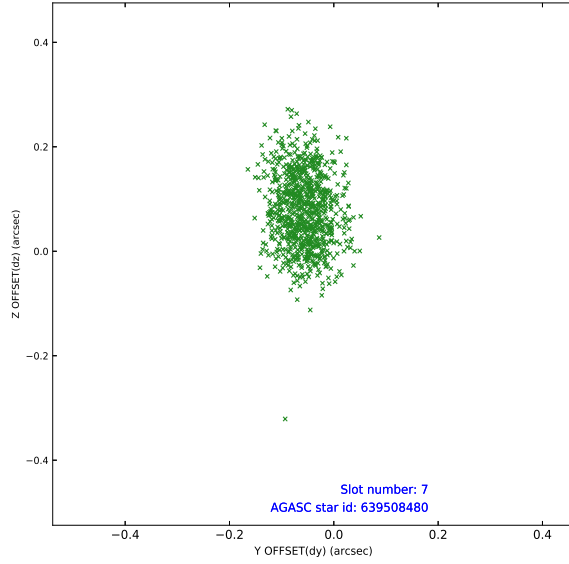
2.4.3 Slot 5



2.4.4 Slot 6

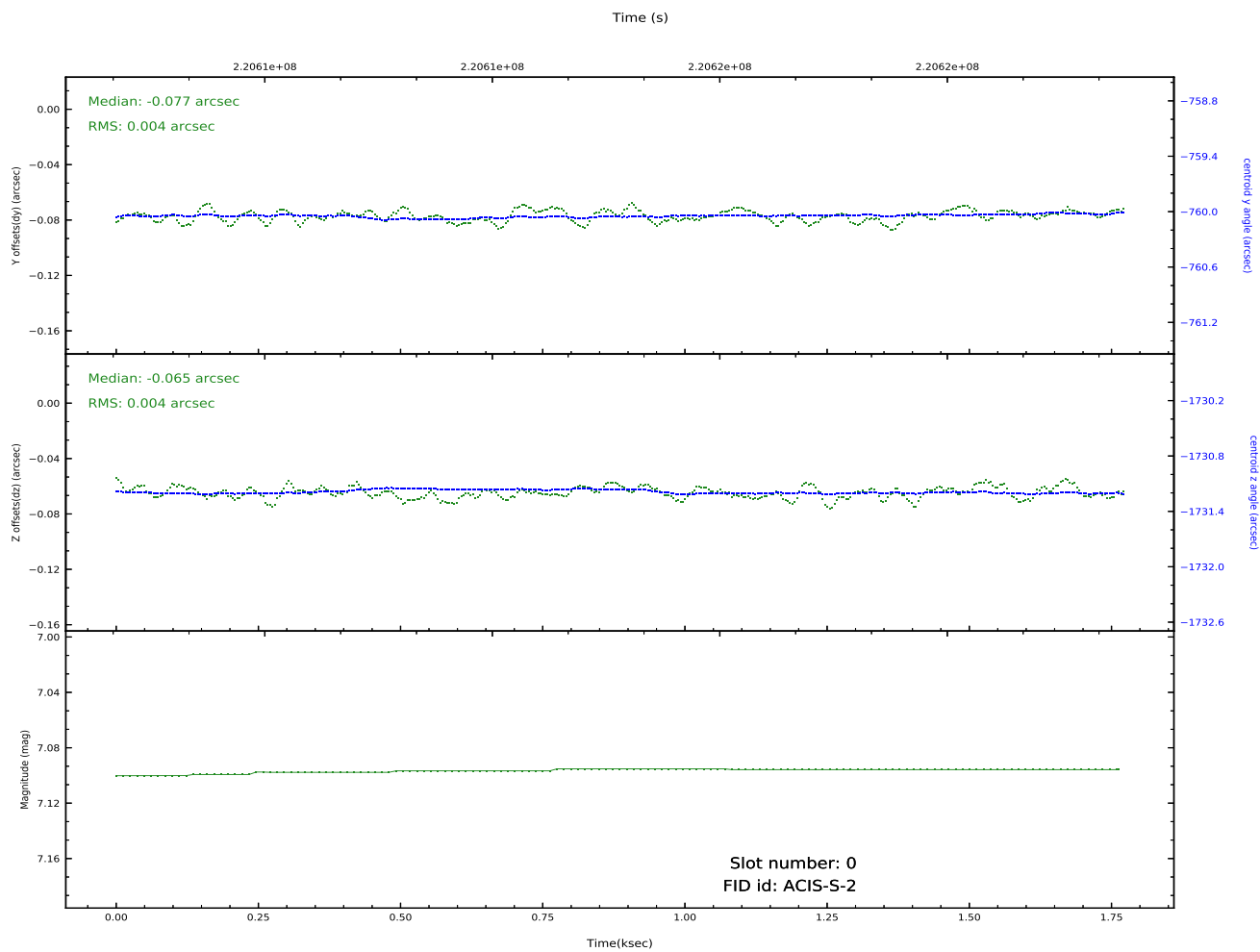
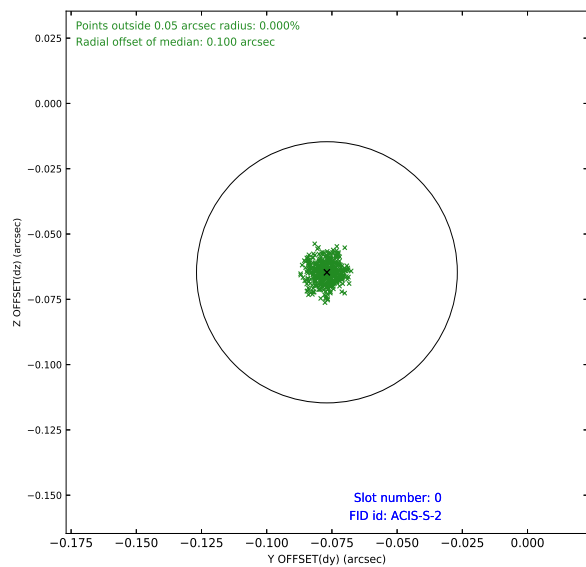
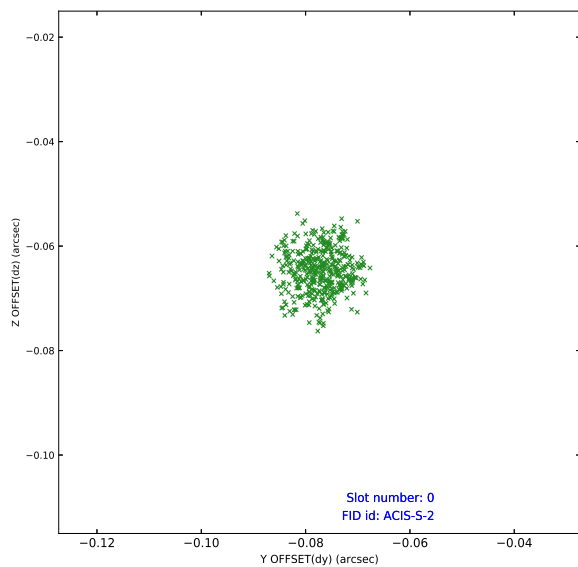


2.4.5 Slot 7

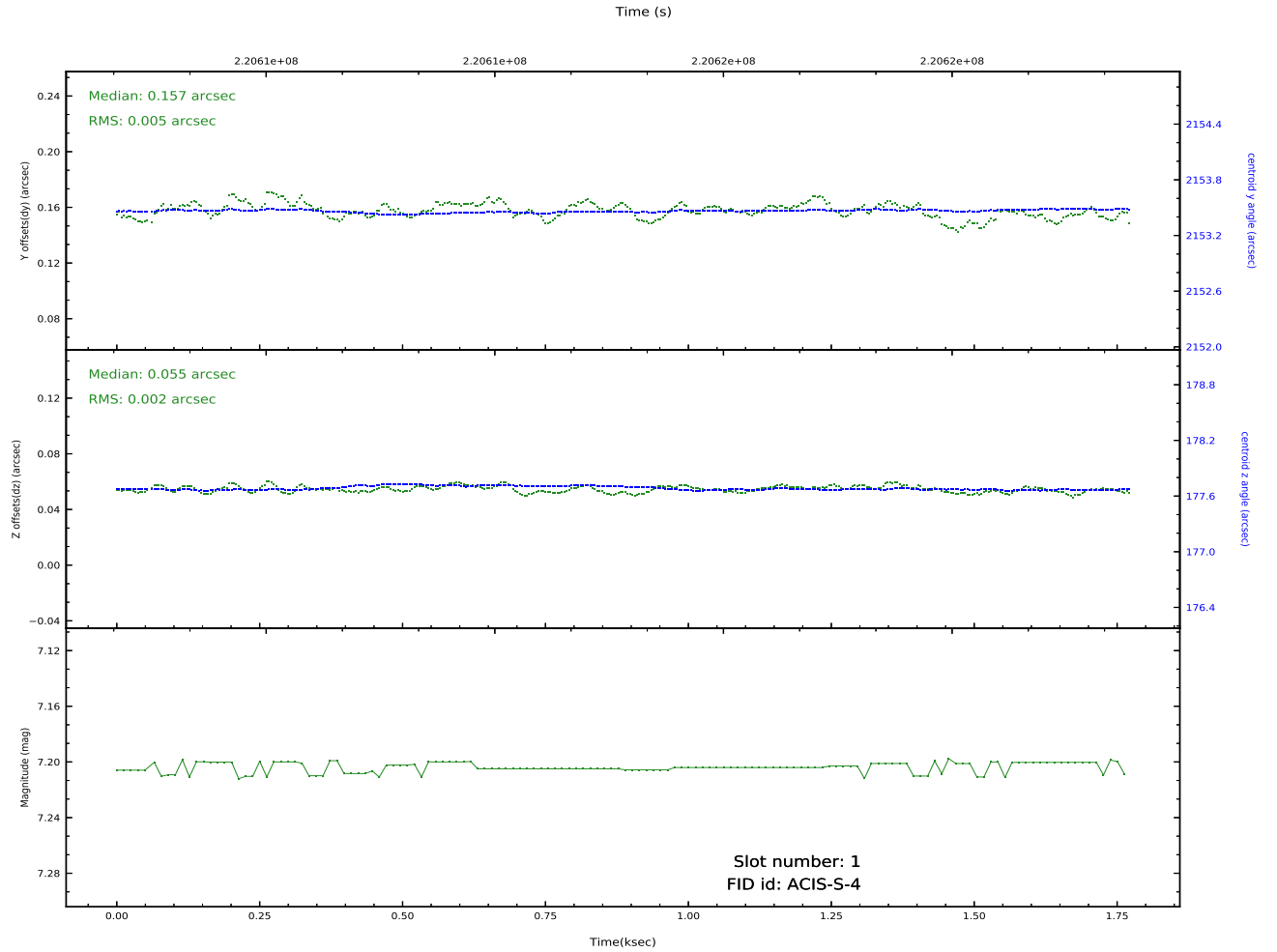
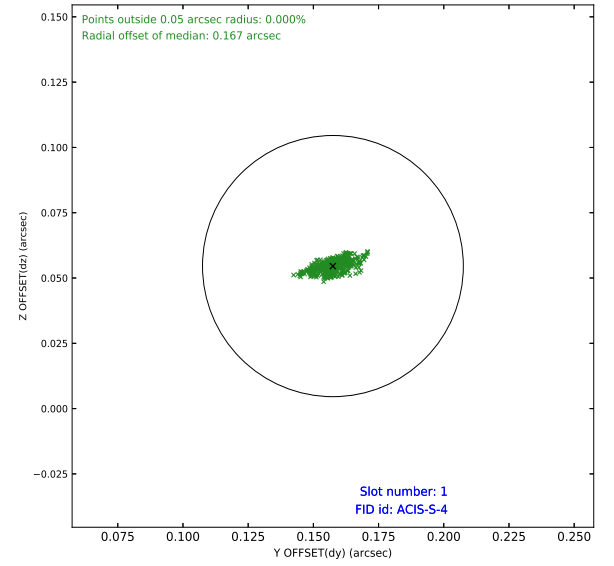
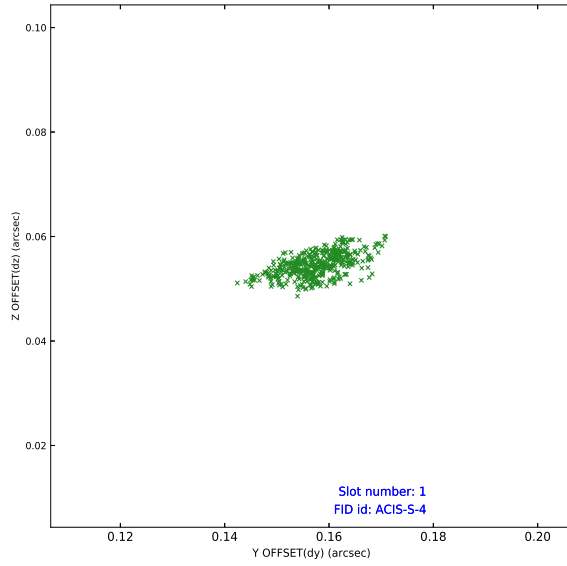


2.5 FID Slots

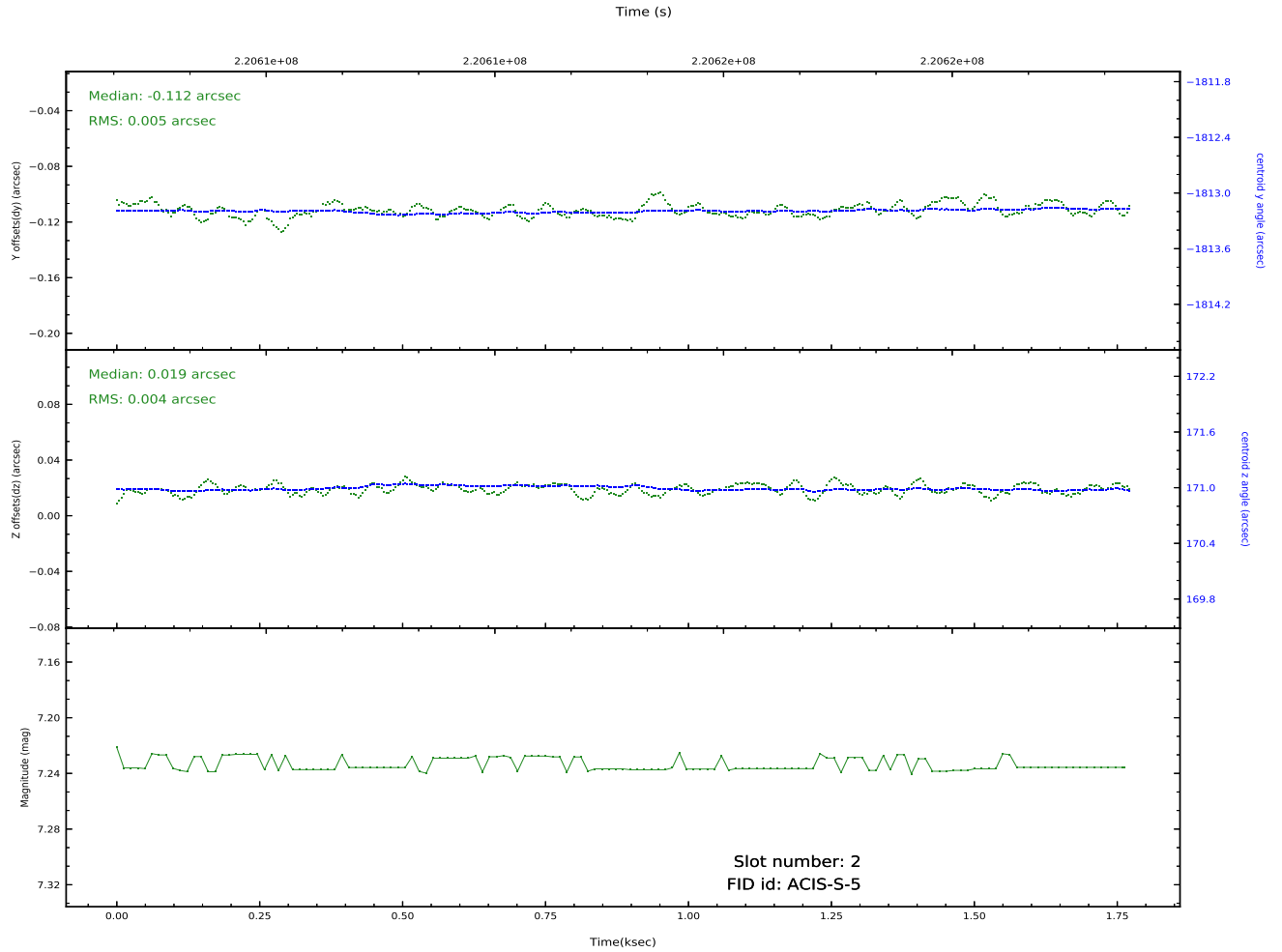
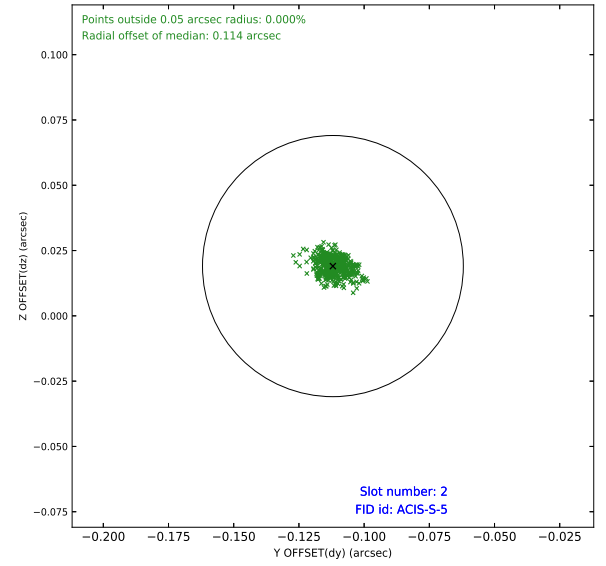
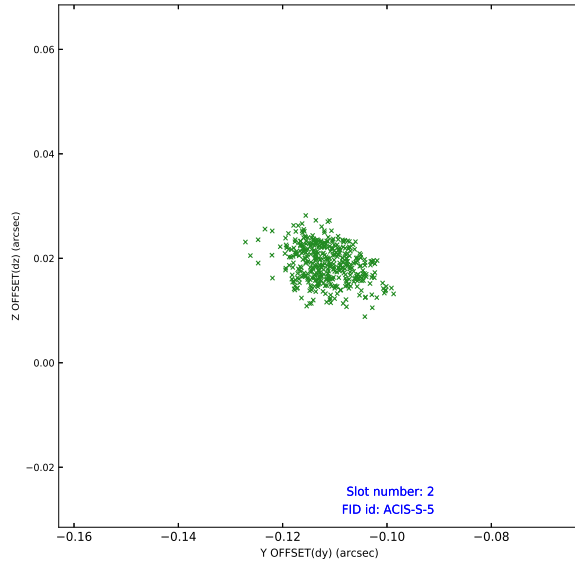
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.353599

A.2 Comments