

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5631 - L2 Version 4
Chandra X-Ray Center

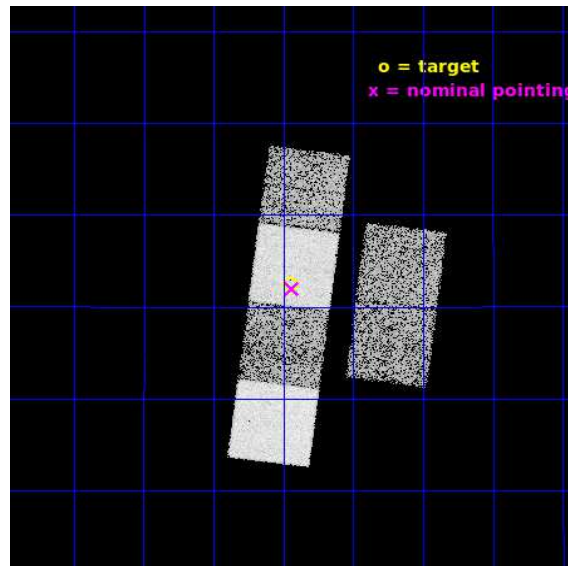
L2 Processing Date : Oct 3 2020

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1 Front

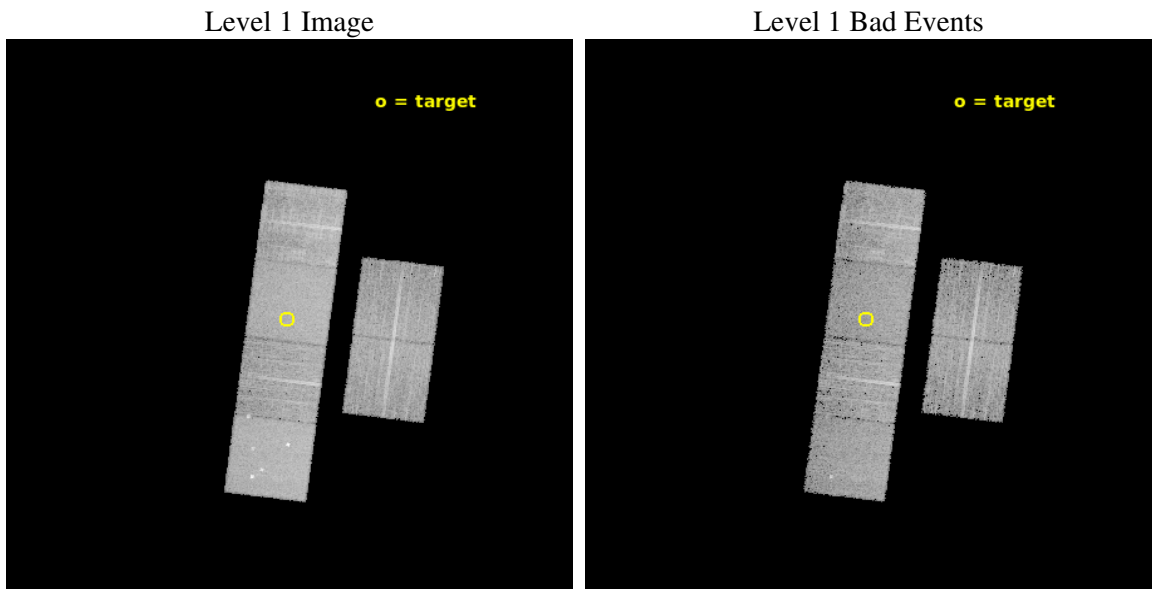
seq_num	701054	Sequence number
obs_id	5631	Observation id
title	THE X-RAY PROPERTIES OF HIGHER REDSHIFT RED AGN	Proposal title
observer	Belinda Wilkes	Principal investigator
object	2MASS J01572734+1332267	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.36375	Observer's specified target RA [deg]
dec_targ	13.54075	Observer's specified target Dec [deg]
ra_nom	29.359867810804	Nominal RA [deg]
dec_nom	13.532996503564	Nominal Dec [deg]
roll_nom	277.22425243687	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7177.5999732614	Sum of GTIs [s]
livetime	7086.7128805681	Livetime [s]
ontime2	7177.5999732614	Sum of GTIs [s]
ontime3	7177.5999732614	Sum of GTIs [s]
ontime5	7177.5999732614	Sum of GTIs [s]
ontime6	7177.5999732614	Sum of GTIs [s]
ontime7	7177.5999732614	Sum of GTIs [s]
ontime8	7174.359102428	Sum of GTIs [s]
l2events	90589	Number of level 2 events



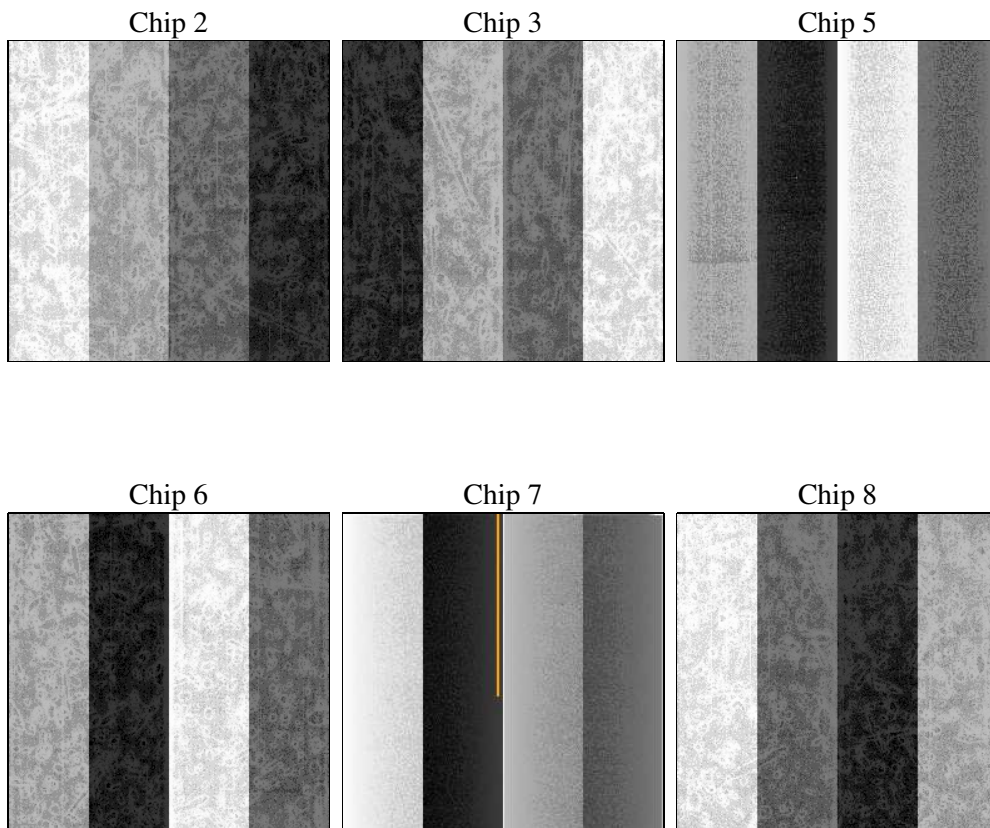
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	7177.5999732614	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	7177.5999732614	Sum of GTIs [s]
date	2020-10-04T01:08:58	Date and time of file creation	ontime3	7177.5999732614	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	7177.5999732614	Sum of GTIs [s]
			ontime6	7177.5999732614	Sum of GTIs [s]
			ontime7	7177.5999732614	Sum of GTIs [s]
			ontime8	7174.359102428	Sum of GTIs [s]
			l1events	420886	Number of level 1 events

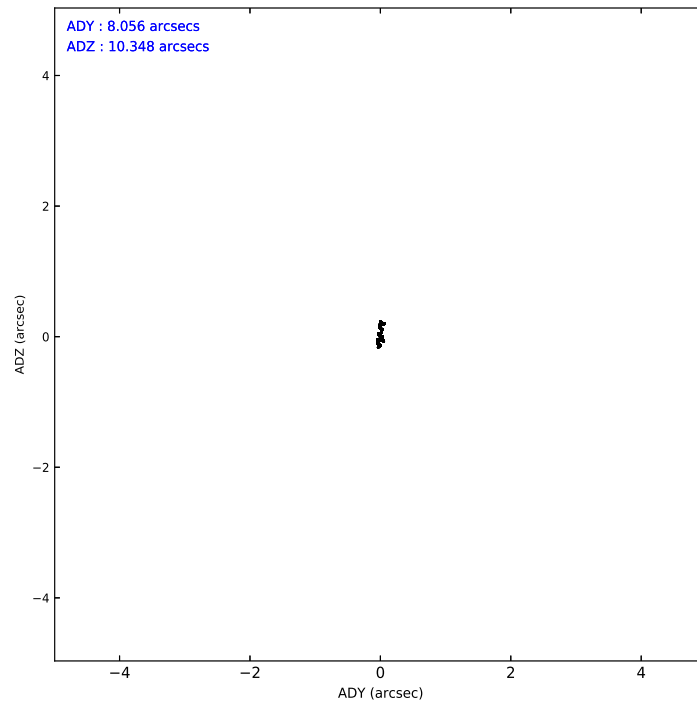
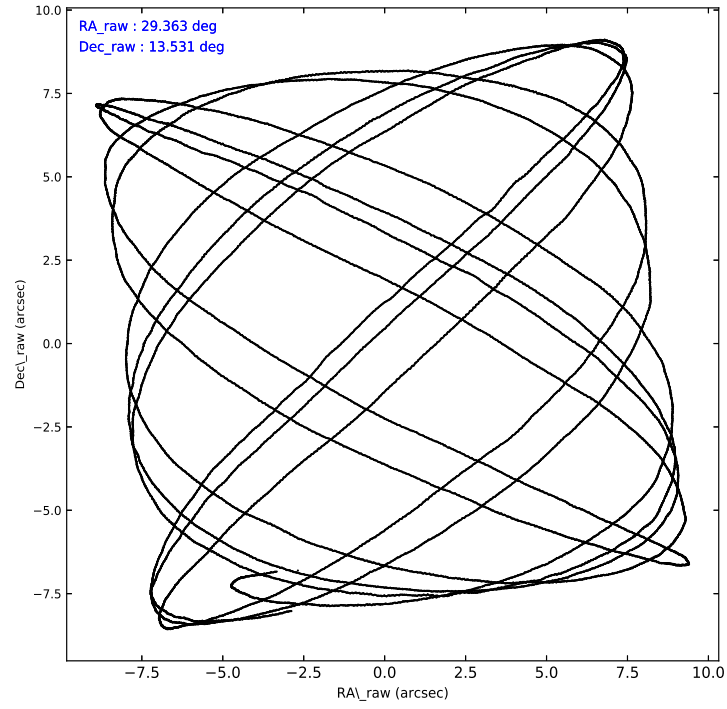
2.1.4 Events

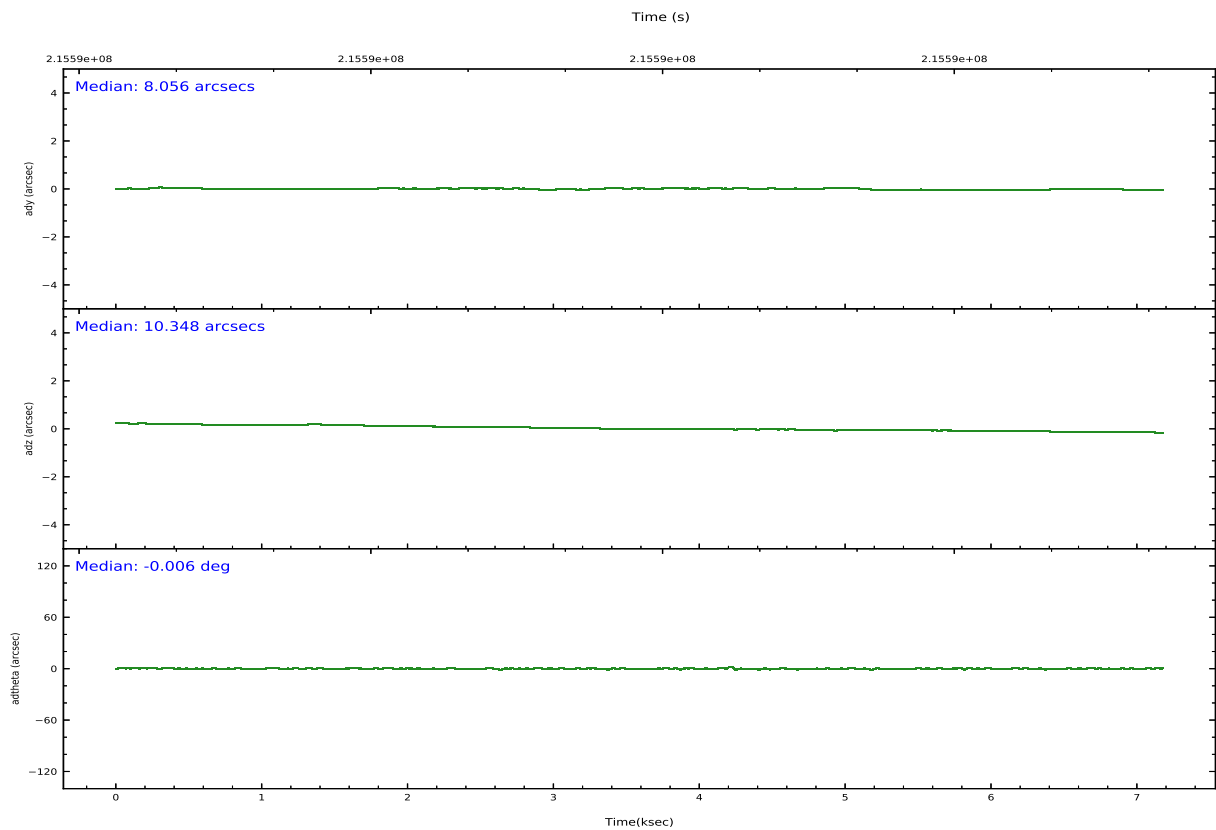
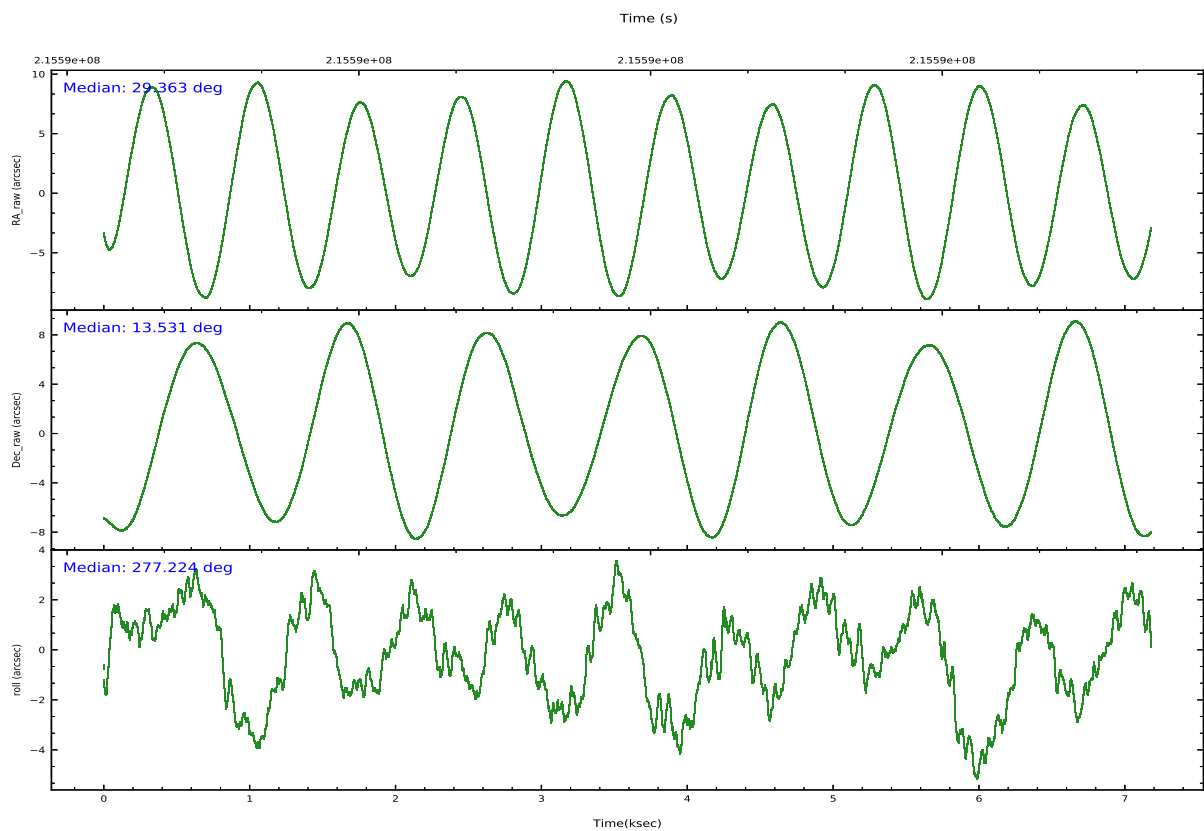
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	60555	56288	88430	60608	77873	77132	grade 0 events	3123	2952	4892	2814	2902	5637
rejected events	53650	49668	48798	53740	46461	60001		5%	5%	5%	4%	3%	7%
rejected %	88%	88%	55%	88%	59%	77%	grade 1 events	31	27	146	24	88	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1480	1326	12010	1563	6368	3745
								2%	2%	13%	2%	8%	4%
							grade 3 events	623	664	1458	669	2816	2072
								1%	1%	1%	1%	3%	2%
							grade 4 events	673	676	1443	614	2818	1814
								1%	1%	1%	1%	3%	2%
							grade 5 events	2272	2517	6319	2729	7462	3359
								3%	4%	7%	4%	9%	4%
							grade 6 events	1168	1180	21004	1411	17412	4352
								1%	2%	23%	2%	22%	5%
							grade 7 events	51185	46946	41158	50784	38007	56111
								84%	83%	46%	83%	48%	72%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	29.346002	29.359867810804	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.552551	13.532996503564	Alternating exposures requested	N	N
[deg] Pointing Roll	277.071739	277.22425243687	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	215588432.184000	215587257.39711			
Observation start date	2004-10-31T05:39:28	2004-10-31T05:20:57			
[s] Observation end time (MET)	215595432.184000	215596557.73503			
Observation end date	2004-10-31T07:36:08	2004-10-31T07:55:57			
Read mode	TIMED	TIMED			

2.3 Aspect



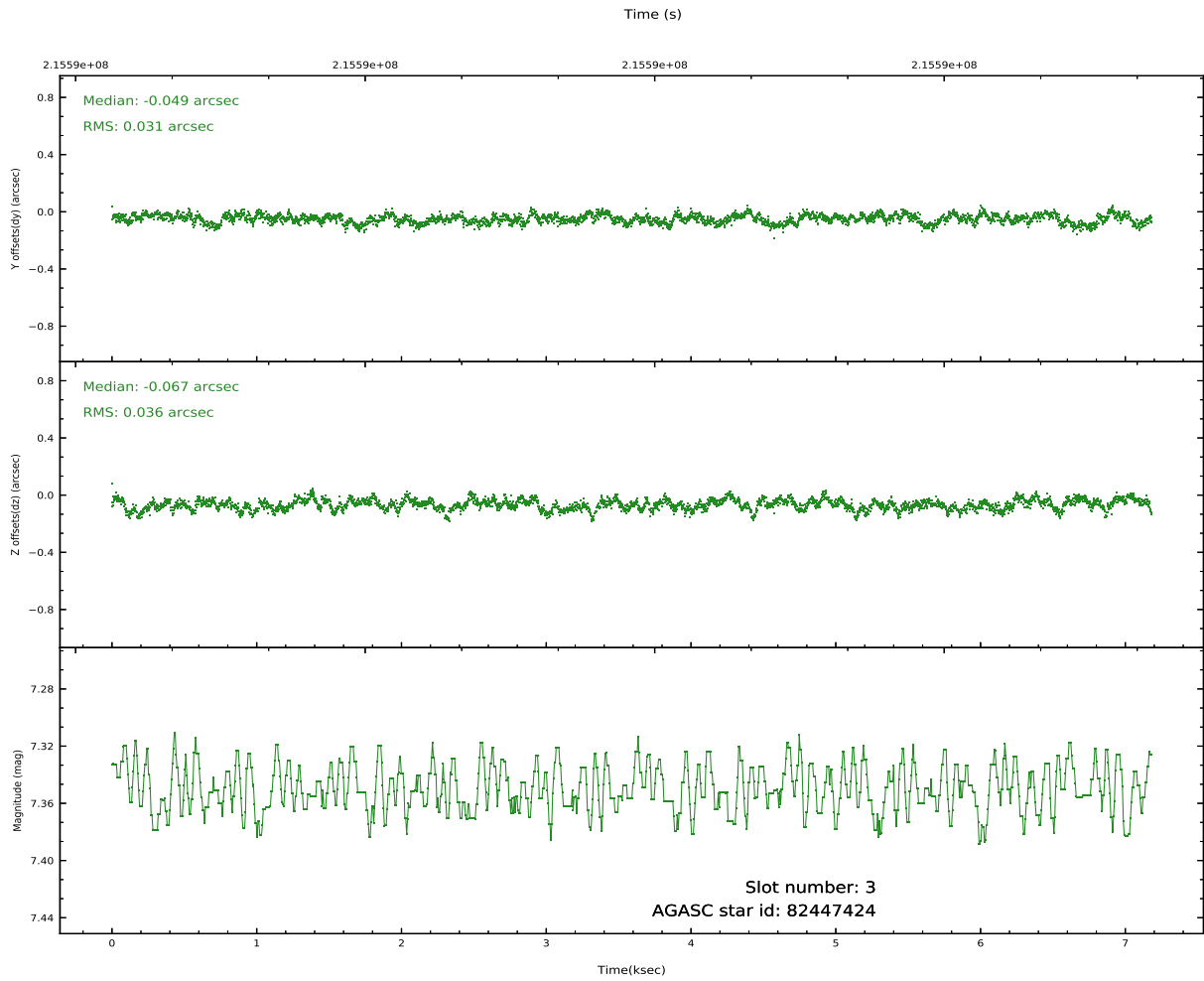
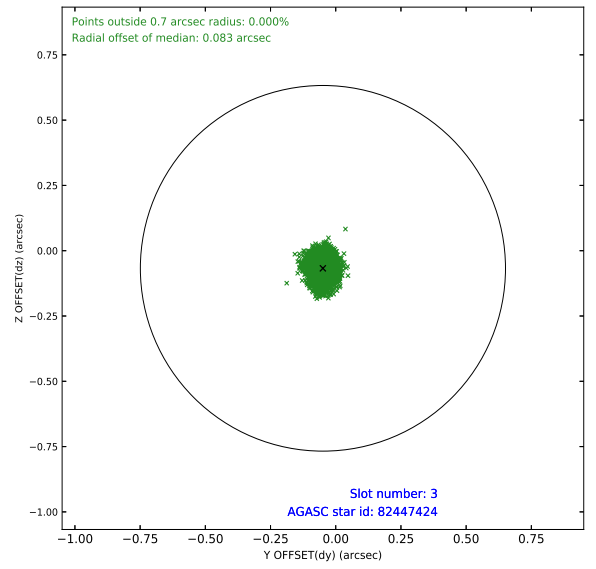
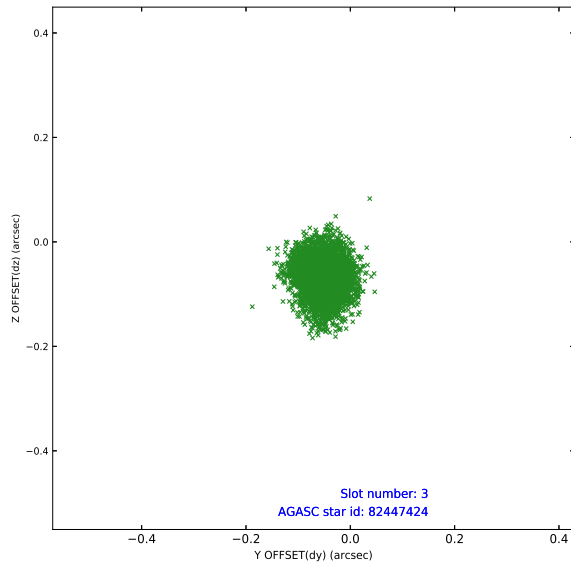


Slot Statistics

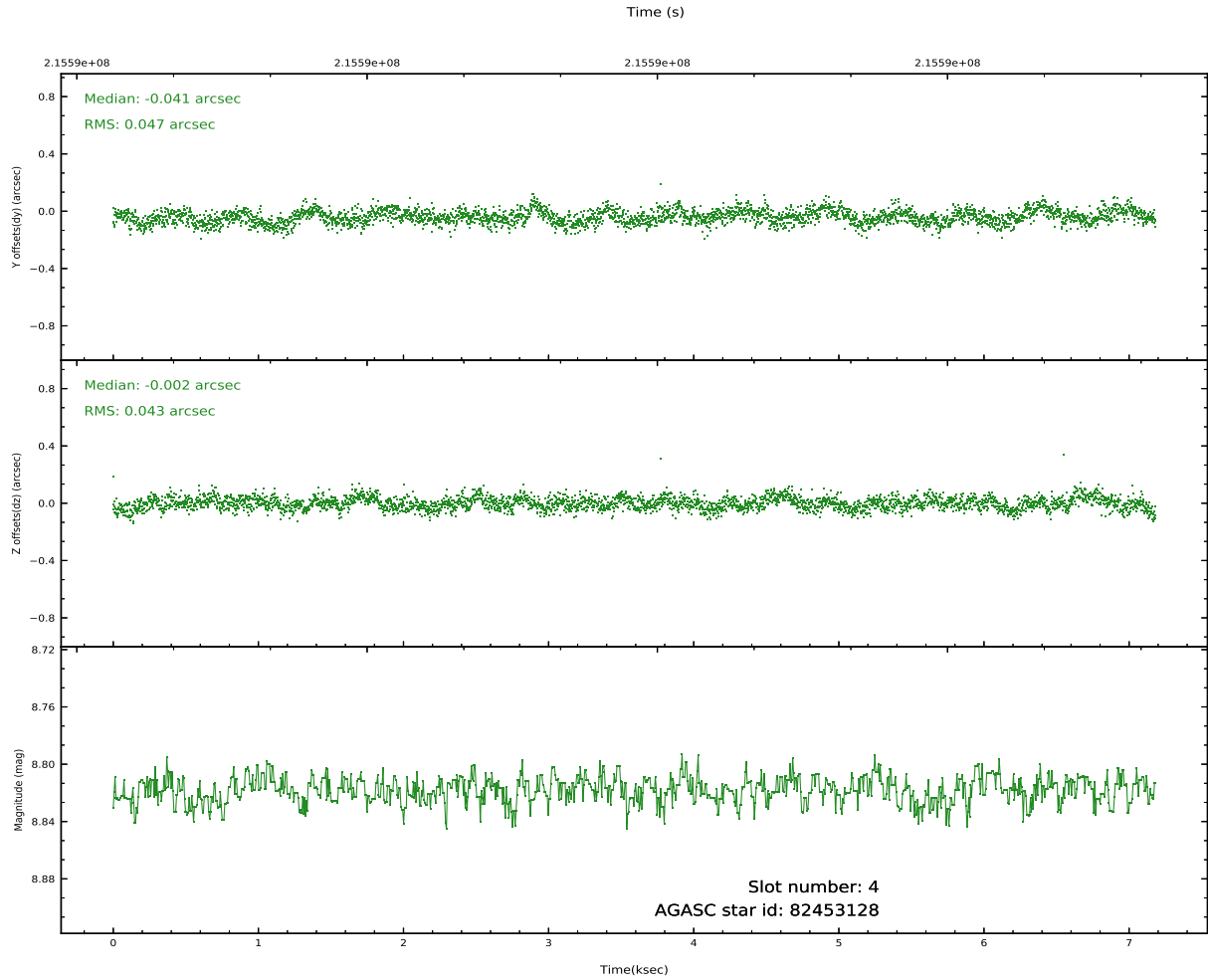
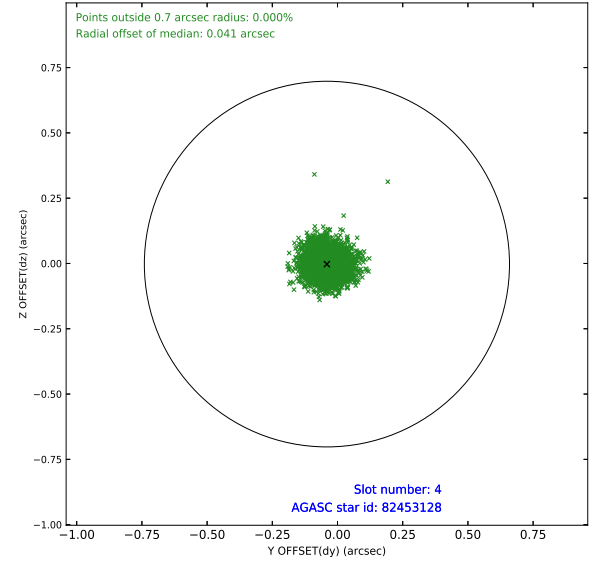
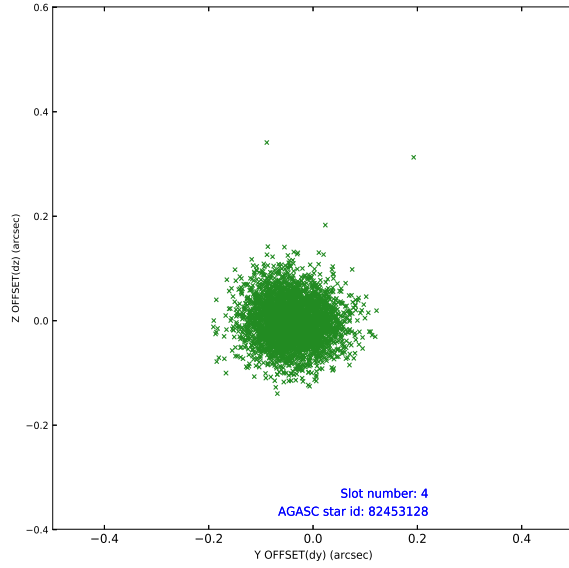
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1752	1.000	0.053	-0.077	0.008	0.013	0.000000	0.000000	935.28	-1727
1	FID		ACIS-S-5	7.24	1752	1.000	-0.126	0.018	0.006	0.011	0.000000	0.000000	-1813.47	169
2	FID		ACIS-S-6	7.35	1752	1.000	0.052	0.070	0.009	0.014	0.000000	0.000000	399.93	814
3	GUIDE	used	82447424	7.35	3504	1.000	-0.049	-0.067	0.051	0.079	28.696705	13.757011	-1012.73	-2162
4	GUIDE	used	82453128	8.82	3502	1.000	-0.041	-0.002	0.067	0.110	29.452085	12.943166	2222.59	99
5	GUIDE	used	82453376	9.63	3500	1.000	0.024	-0.026	0.114	0.187	29.407509	13.953603	-1405.49	390
6	GUIDE	used	82453552	8.29	3503	1.000	0.076	0.073	0.060	0.098	29.203096	13.606235	-253.60	-472
7	GUIDE	used	82453896	10.01	3501	1.000	-0.003	0.025	0.116	0.190	29.767928	13.737923	-482.06	1546

2.4 Star Slots

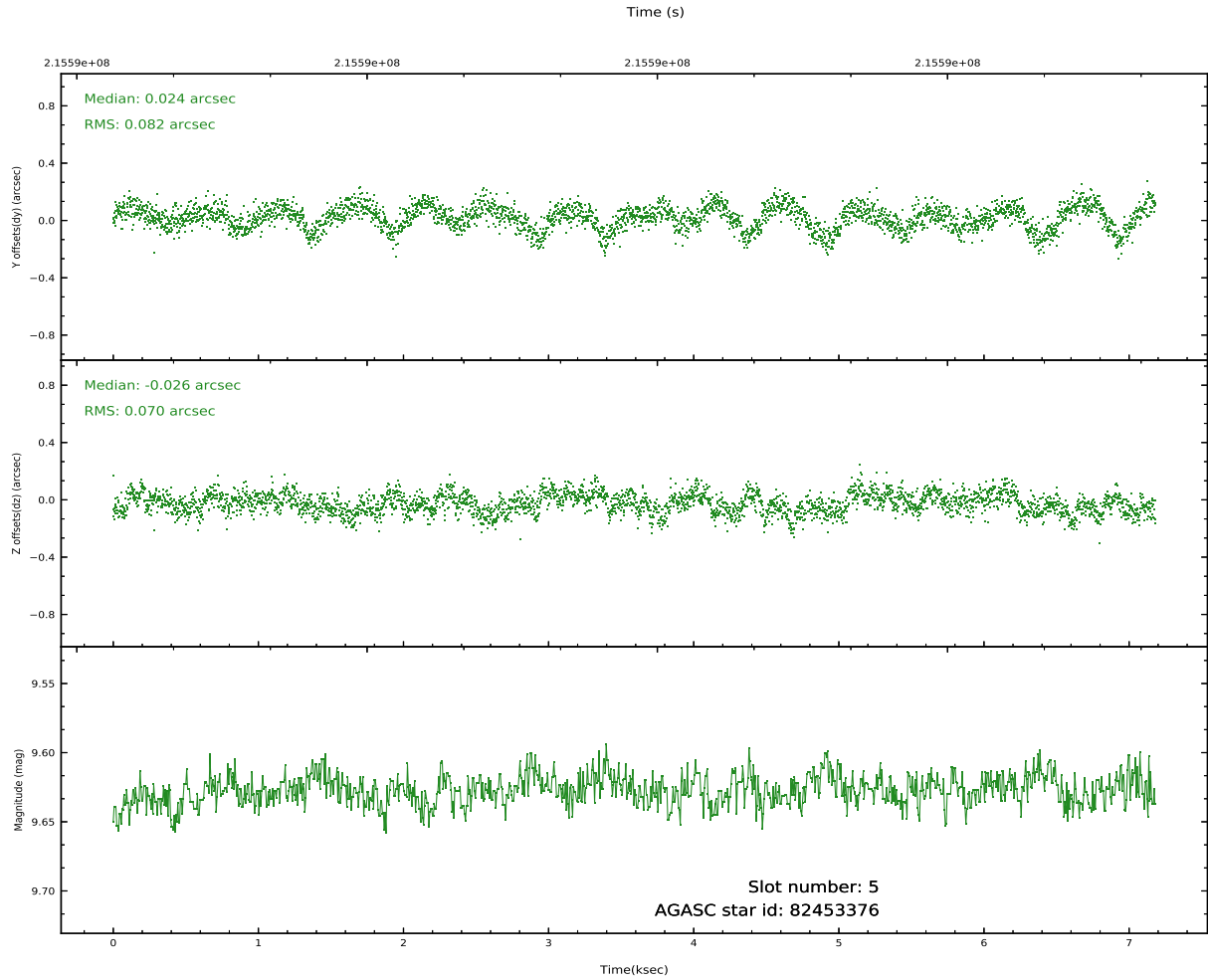
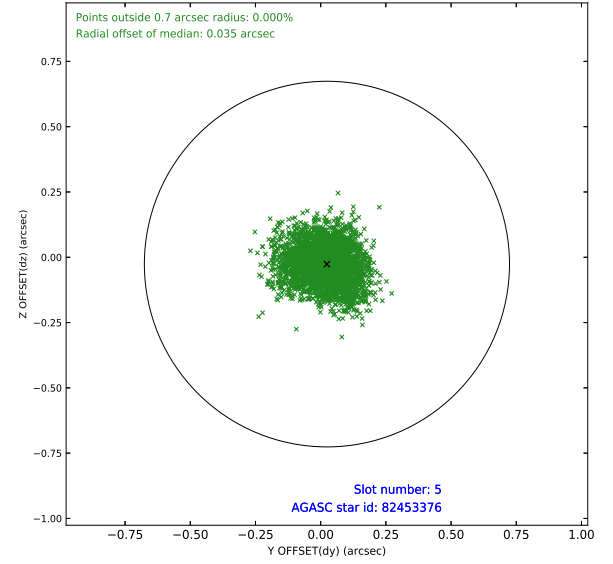
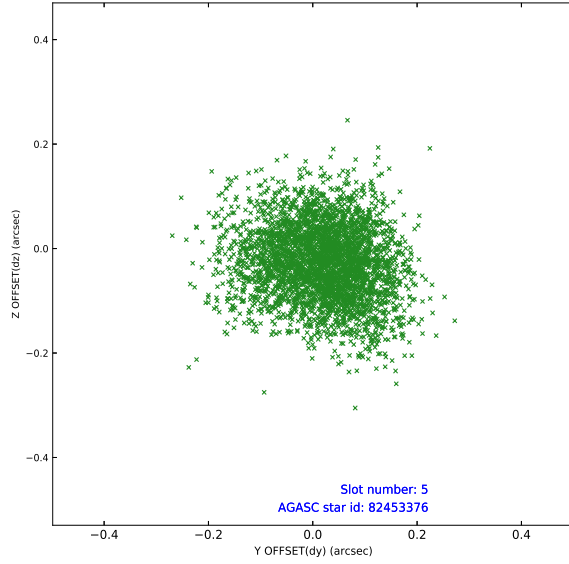
2.4.1 Slot 3



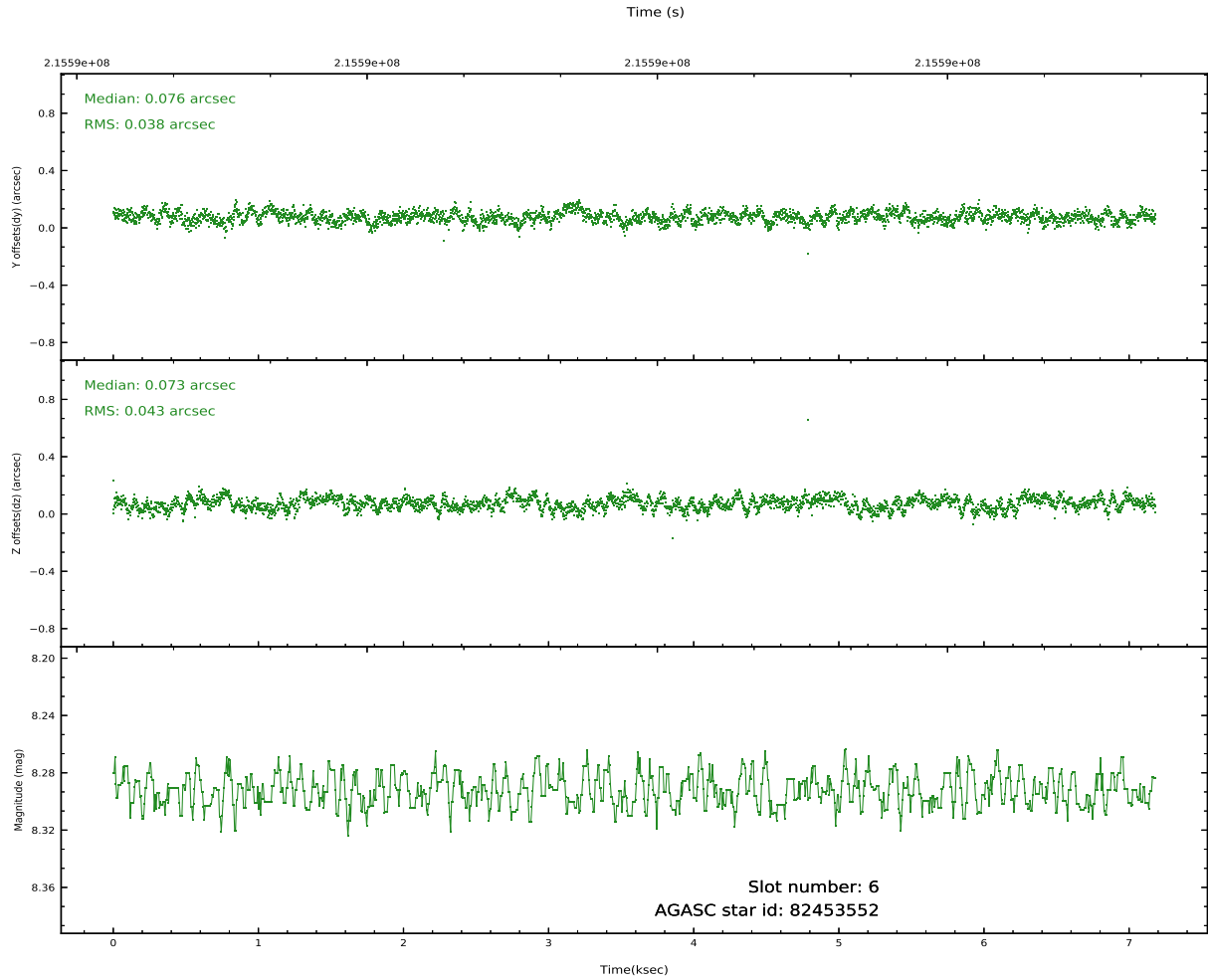
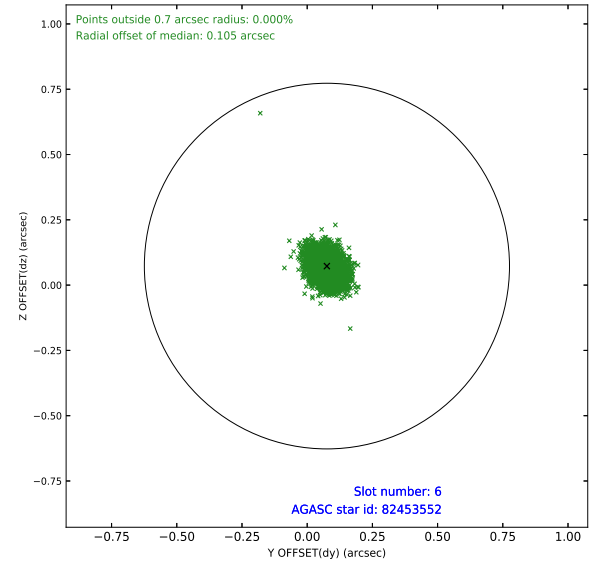
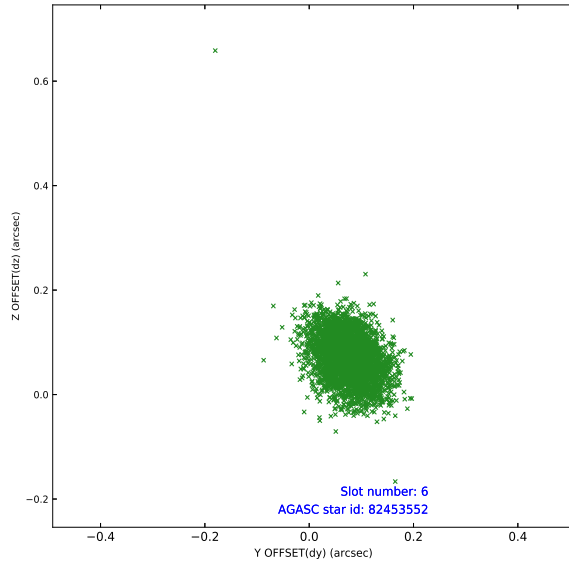
2.4.2 Slot 4



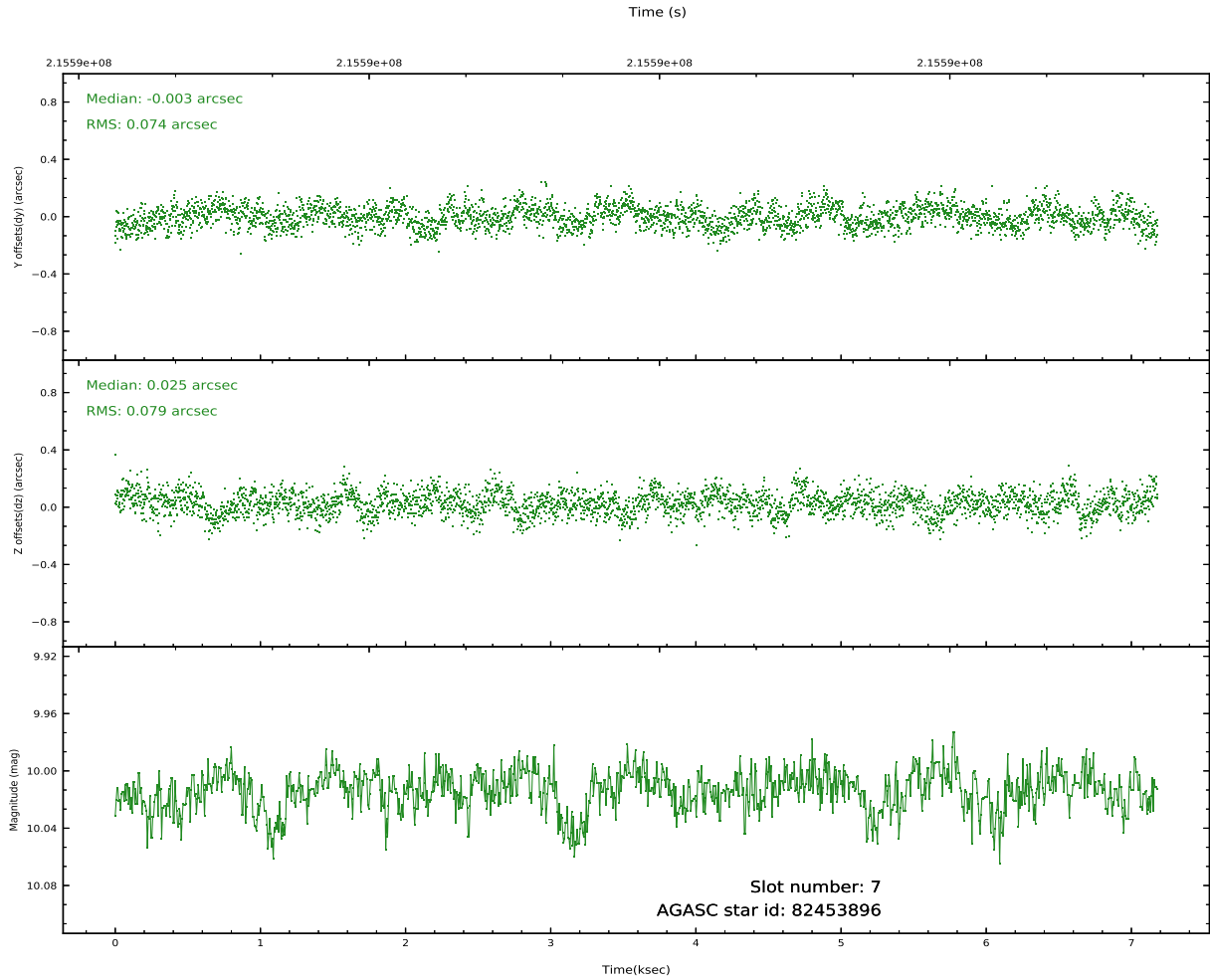
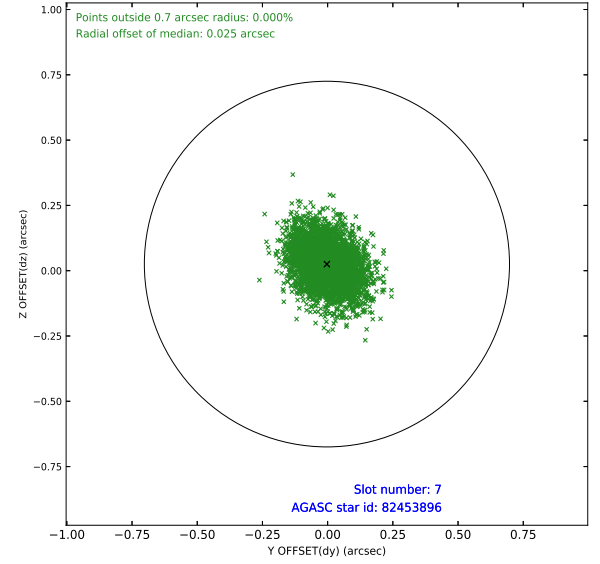
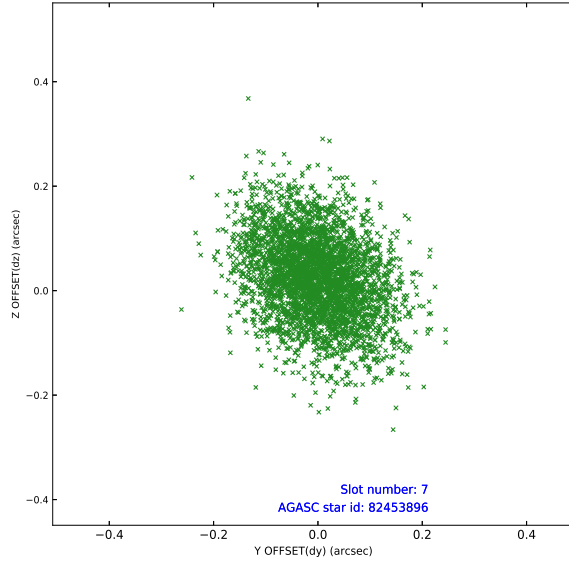
2.4.3 Slot 5



2.4.4 Slot 6

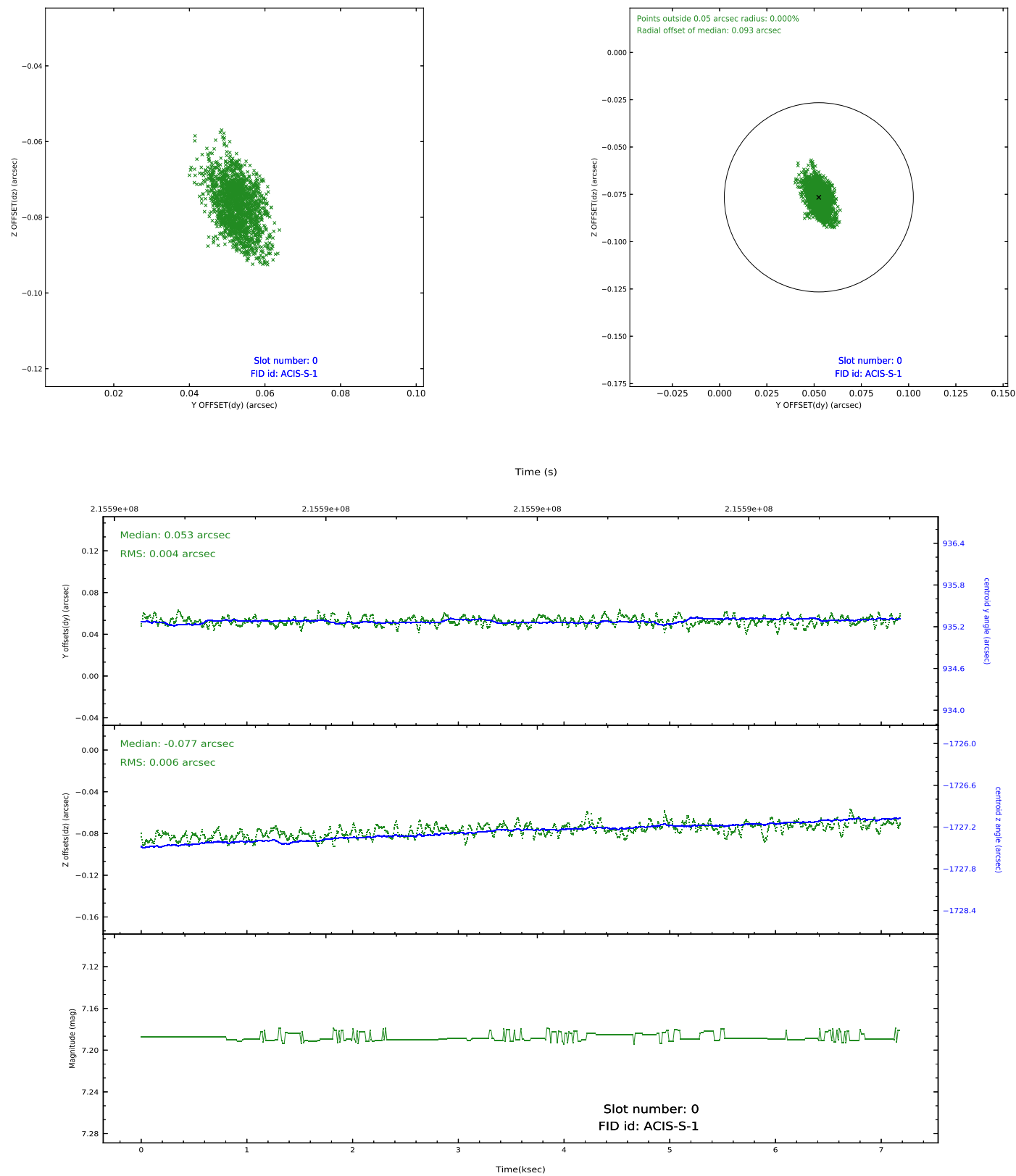


2.4.5 Slot 7

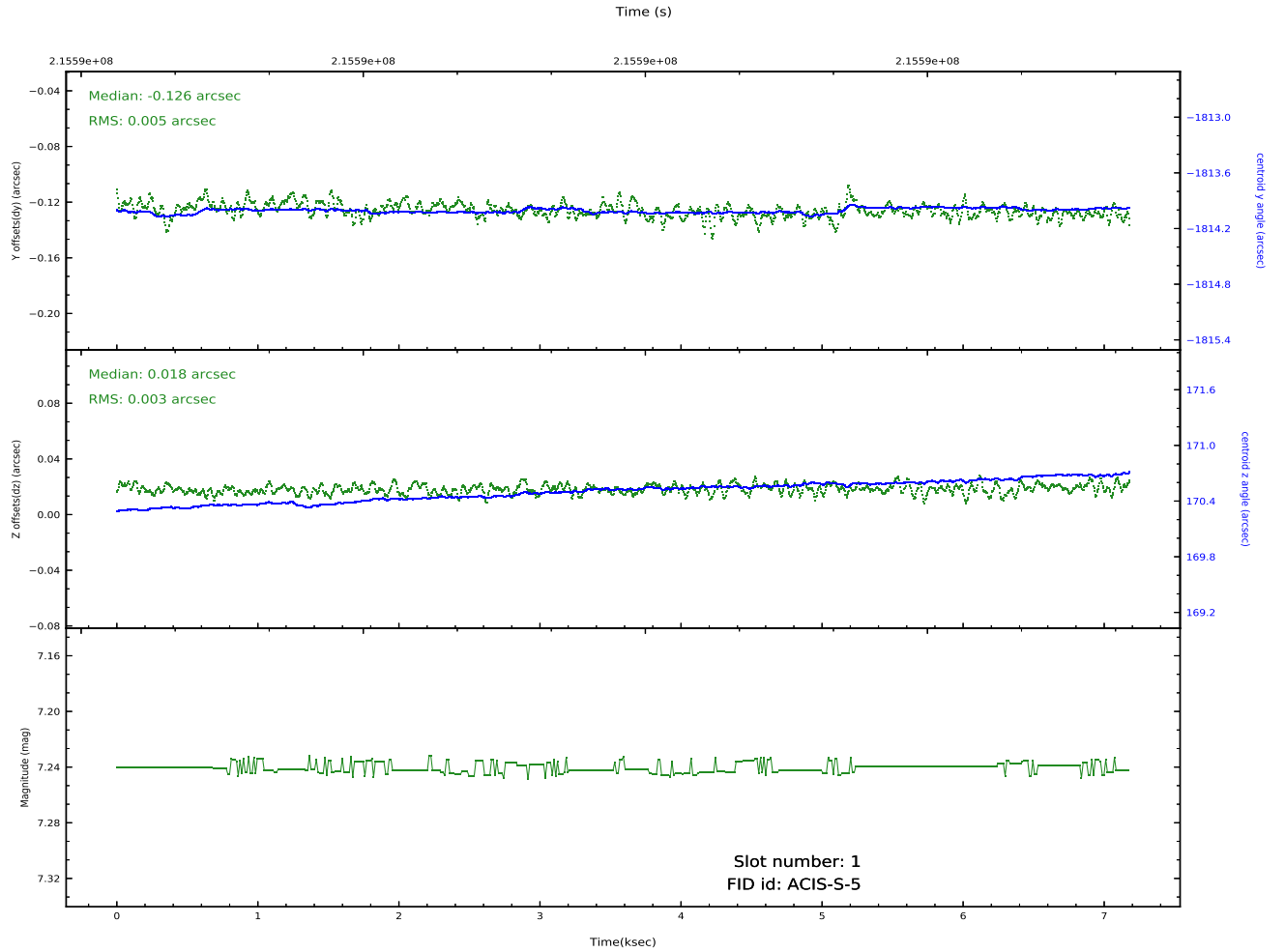
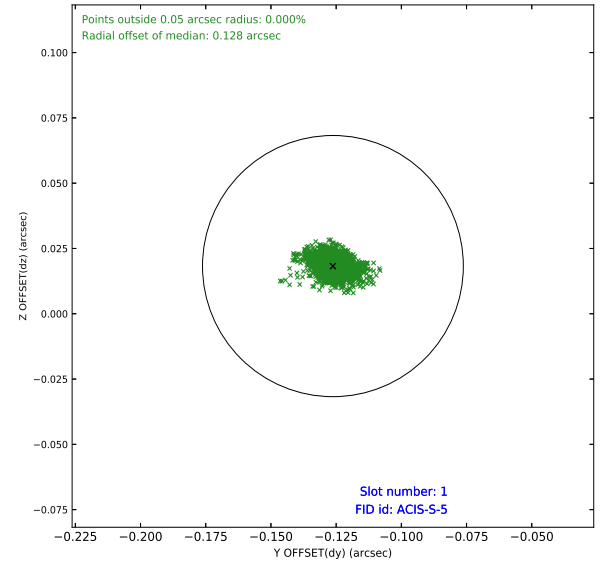
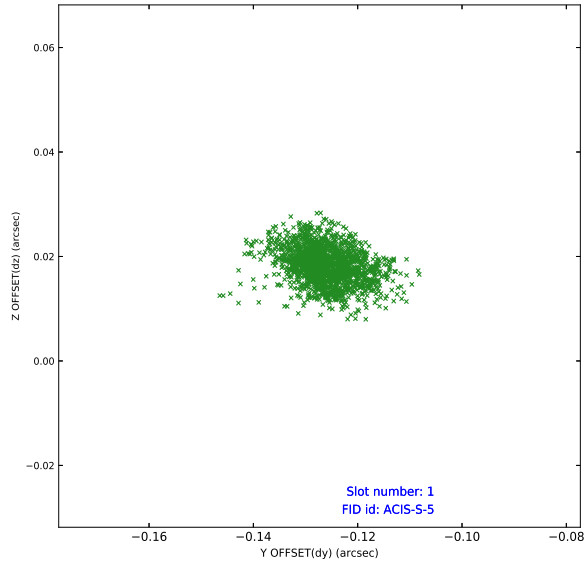


2.5 FID Slots

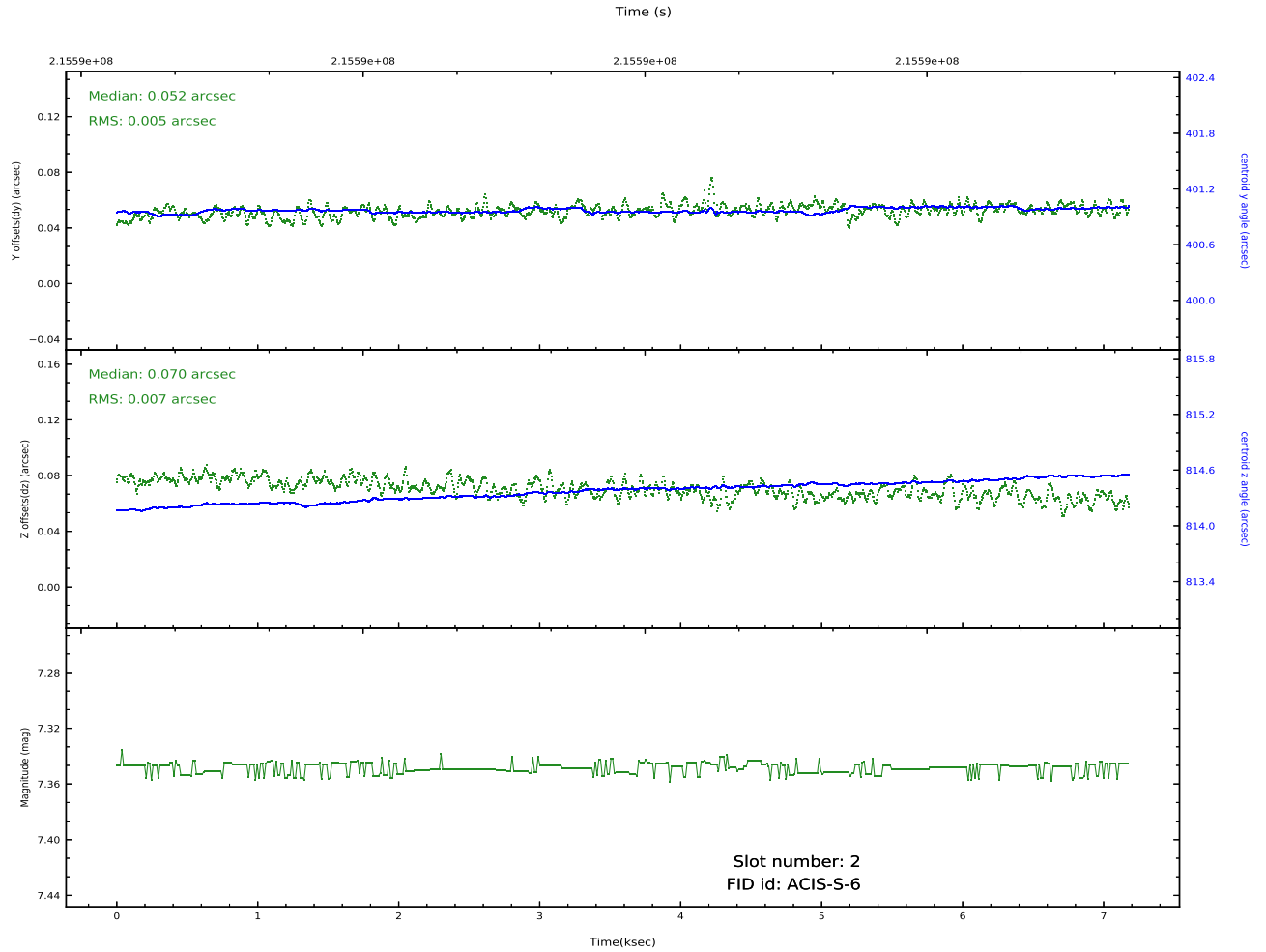
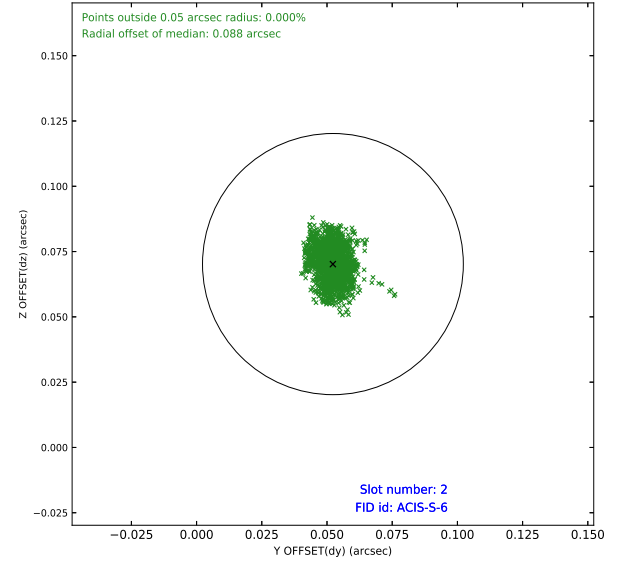
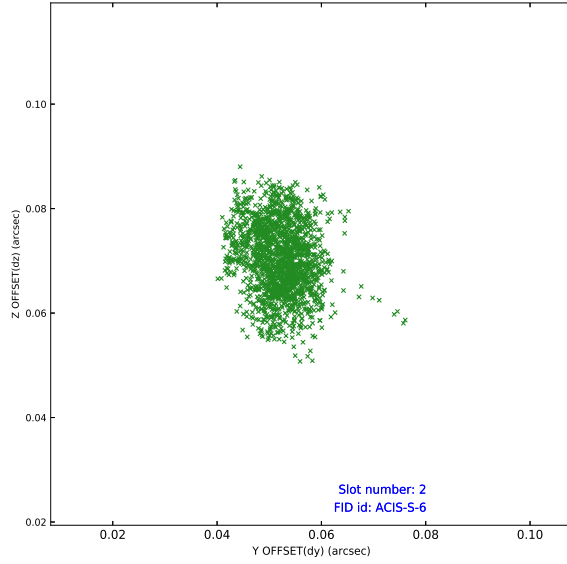
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.177

A.2 Comments