

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5283 - L2 Version 4
Chandra X-Ray Center

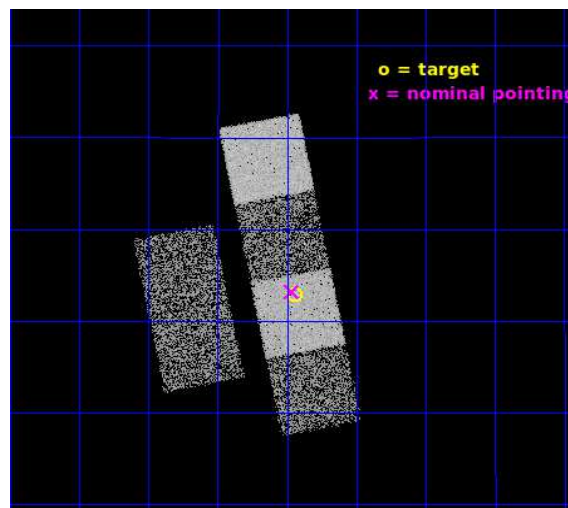
L2 Processing Date : Sep 23 2020

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1 Front

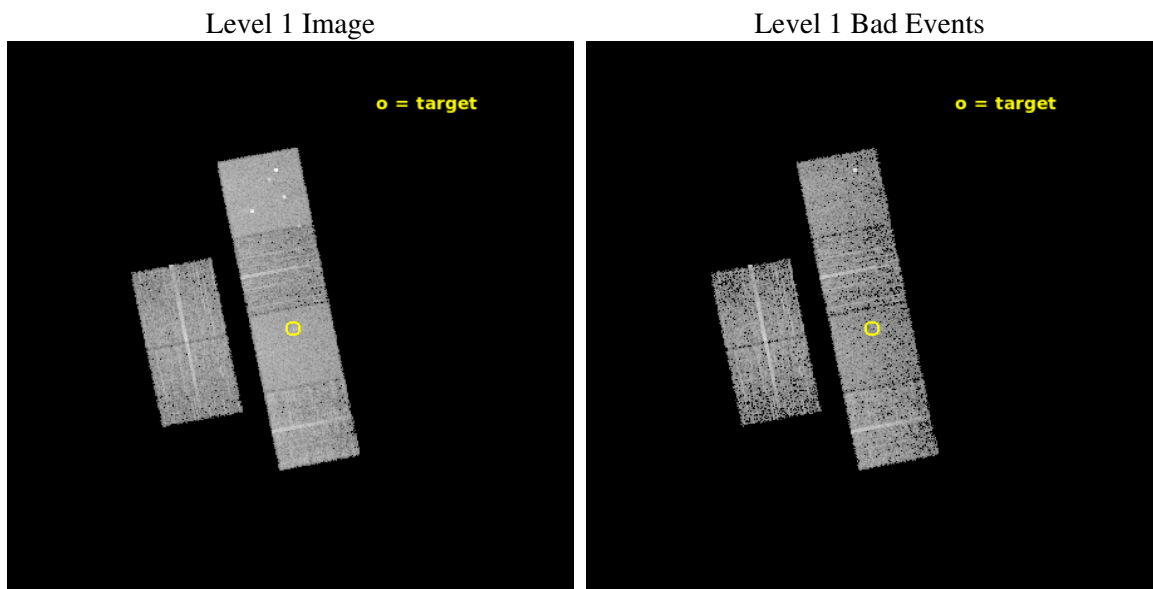
seq_num	701012	Sequence number
obs_id	5283	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Shobita Satyapal	Principal investigator
object	NGC4419	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.735	Observer's specified target RA [deg]
dec_targ	15.047222	Observer's specified target Dec [deg]
ra_nom	186.74120555571	Nominal RA [deg]
dec_nom	15.053576381384	Nominal Dec [deg]
roll_nom	78.916667387248	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5126.3999809027	Sum of GTIs [s]
livetime	5061.486417597	Livetime [s]
ontime2	5126.3999809027	Sum of GTIs [s]
ontime3	5126.3999809027	Sum of GTIs [s]
ontime5	5126.3999809027	Sum of GTIs [s]
ontime6	5126.3999809027	Sum of GTIs [s]
ontime7	5126.3999809027	Sum of GTIs [s]
ontime8	5126.3999809027	Sum of GTIs [s]
l2events	50537	Number of level 2 events



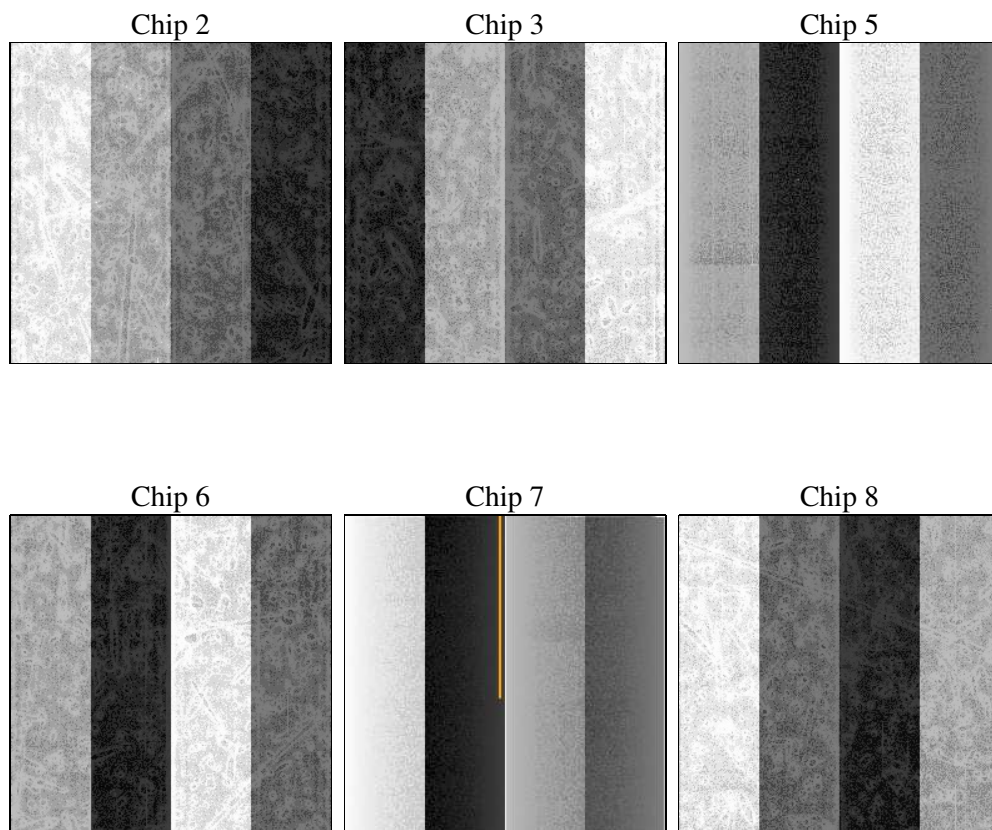
2 OBI

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	10.9.1	Processing system revision	ontime	5126.3999809027	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	5126.3999809027	Sum of GTIs [s]
date	2020-09-23T16:45:41	Date and time of file creation	ontime3	5126.3999809027	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	5126.3999809027	Sum of GTIs [s]
			ontime6	5126.3999809027	Sum of GTIs [s]
			ontime7	5126.3999809027	Sum of GTIs [s]
			ontime8	5126.3999809027	Sum of GTIs [s]
			l1events	262478	Number of level 1 events

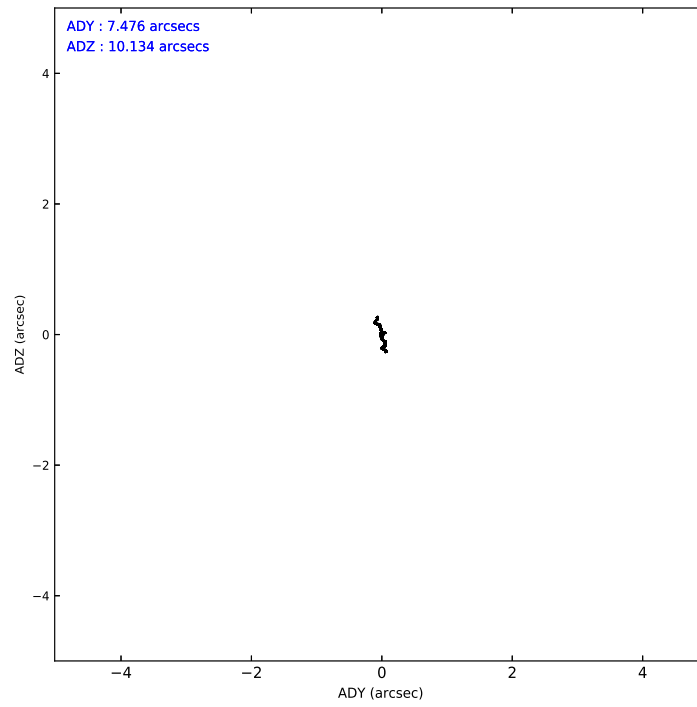
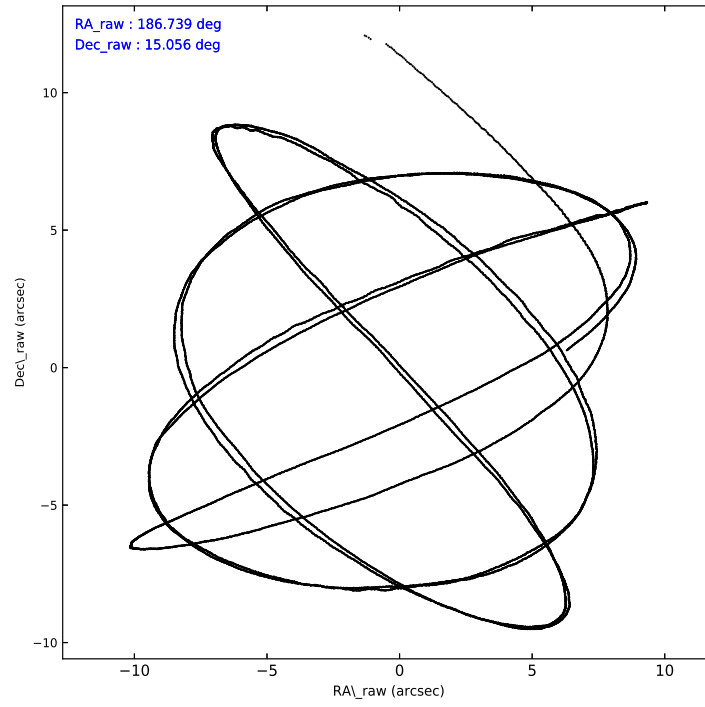
2.1.4 Events

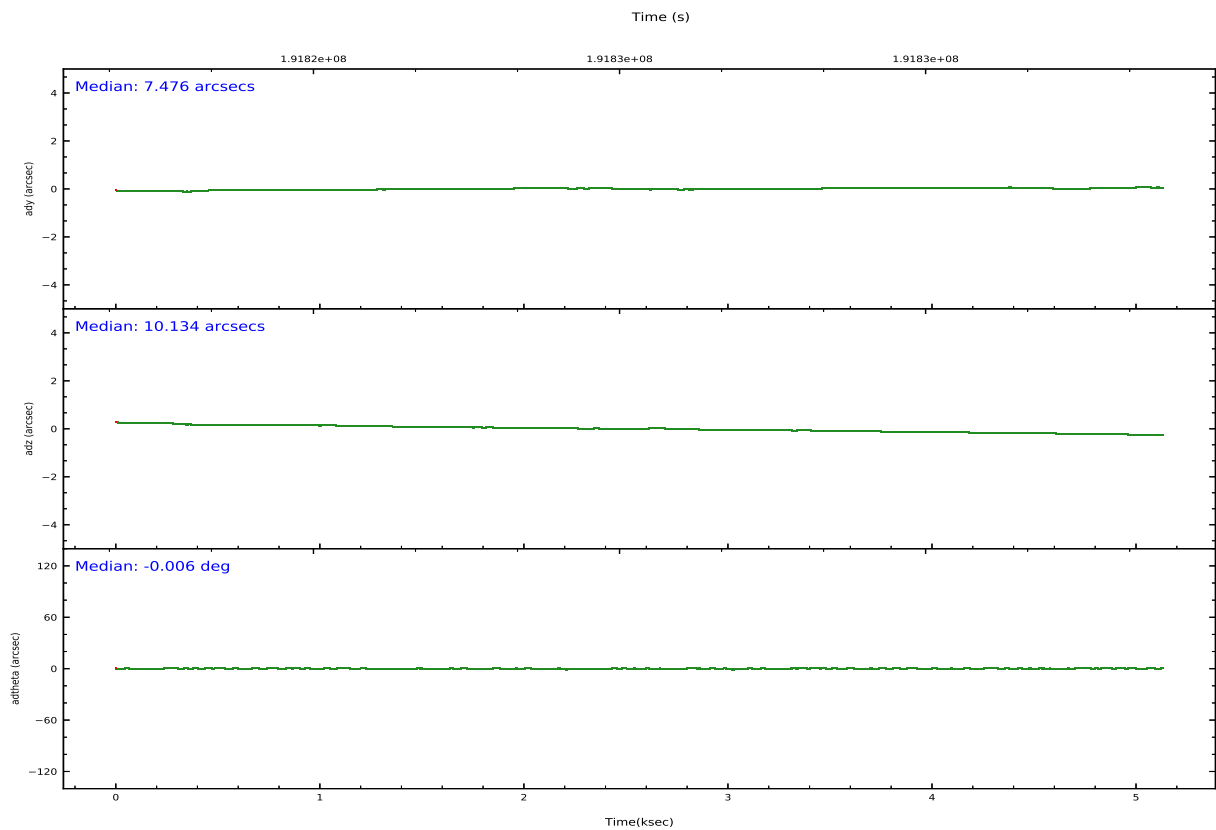
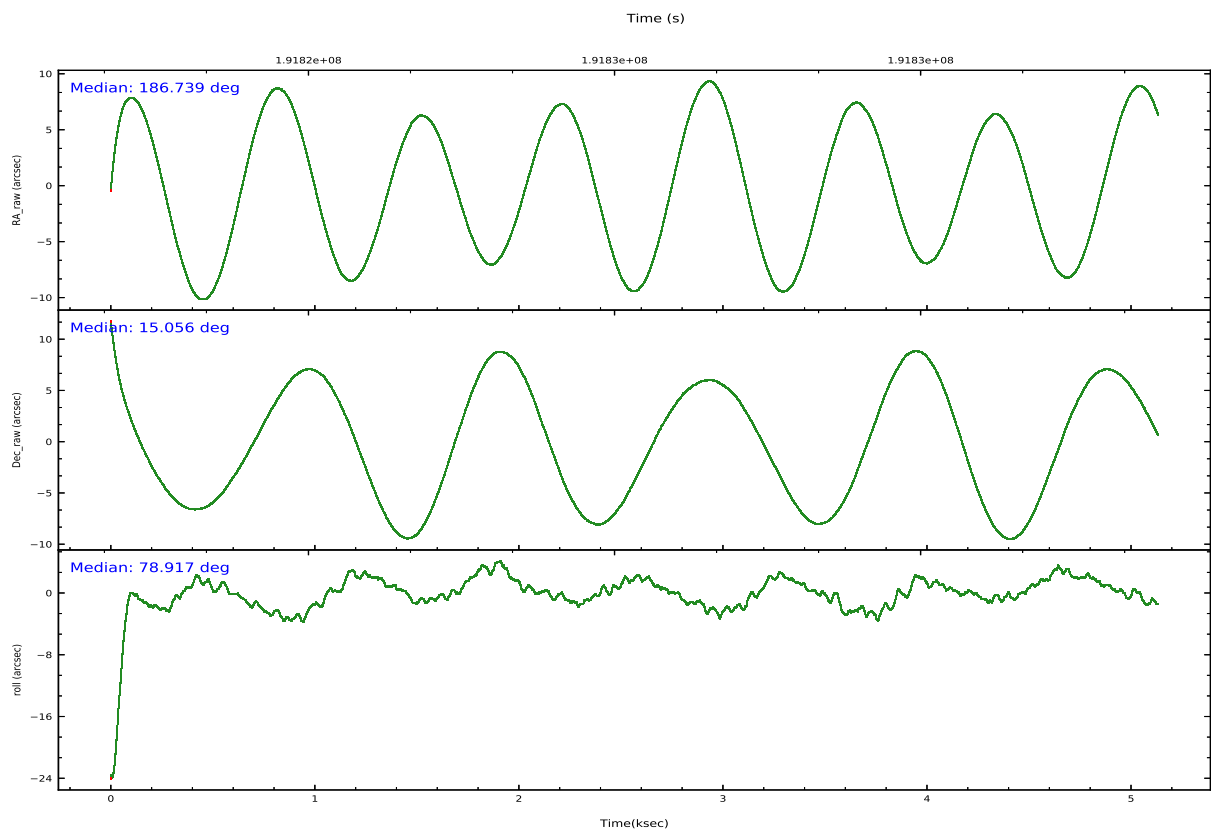
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36557	35565	58192	36155	50113	45896	grade 0 events	2109	2039	4016	1931	2056	3203
rejected events	32690	31720	35367	32224	32519	37640		5%	5%	6%	5%	4%	6%
rejected %	89%	89%	60%	89%	64%	82%	grade 1 events	26	16	92	17	43	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	916	796	8068	940	4174	2145
								2%	2%	13%	2%	8%	4%
							grade 3 events	447	462	999	429	1780	960
								1%	1%	1%	1%	3%	2%
							grade 4 events	413	415	975	442	1797	925
								1%	1%	1%	1%	3%	2%
							grade 5 events	1485	1585	4199	1648	4763	2222
								4%	4%	7%	4%	9%	4%
							grade 6 events	696	793	13190	913	11010	2707
								1%	2%	22%	2%	21%	5%
							grade 7 events	30465	29459	26653	29835	24490	33693
								83%	82%	45%	82%	48%	73%

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	186.748121	186.74120555571	Subarray requested	NONE	NONE
[deg] Pointing Dec	15.030596	15.053576381384	Alternating exposures requested	N	N
[deg] Pointing Roll	78.753713	78.916667387248	[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)	191823165.184000	191820396.3327			
Observation start date	2004-01-30T04:11:41	2004-01-30T03:26:36			
[s] Observation end time (MET)	191828165.184000	191829166.74558			
Observation end date	2004-01-30T05:35:01	2004-01-30T05:52:46			
Read mode	TIMED	TIMED			

2.3 Aspect



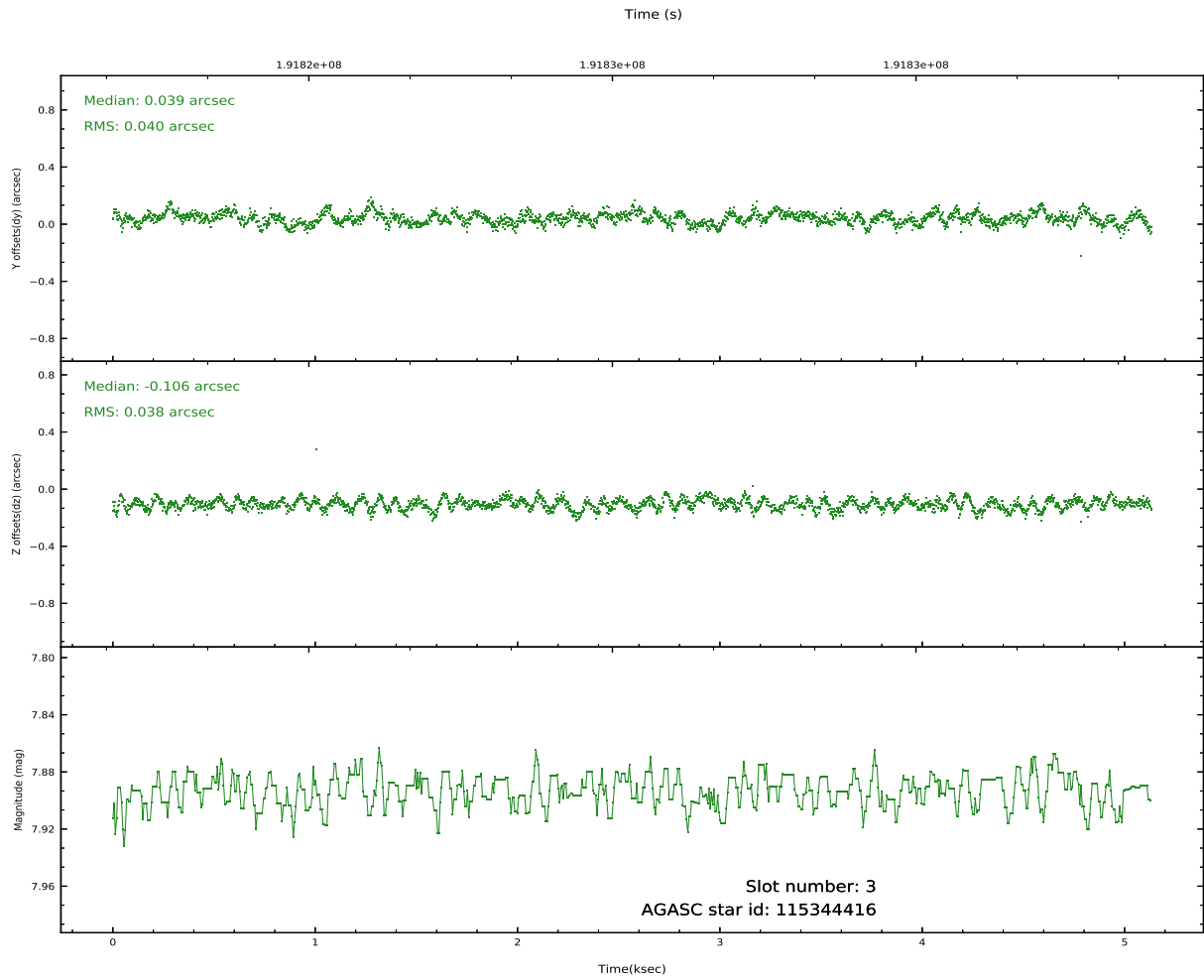
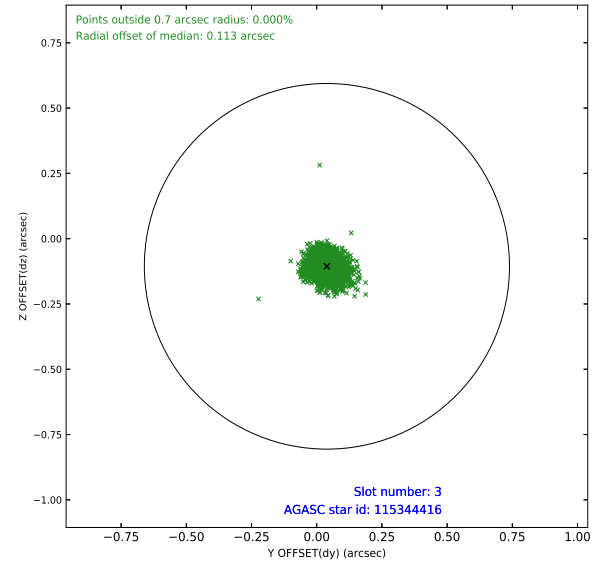
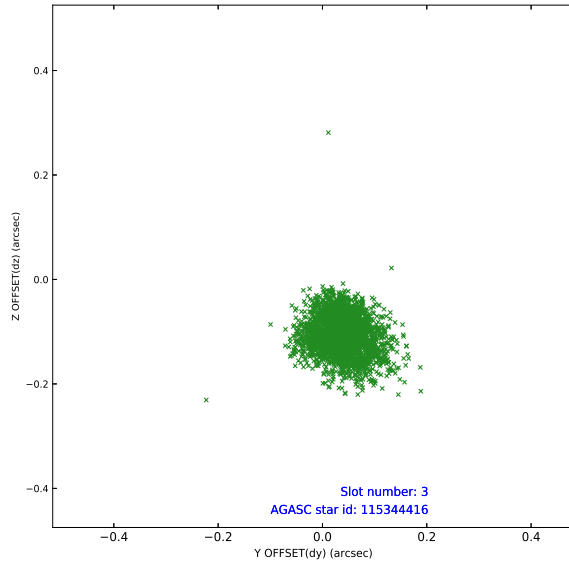


Slot Statistics

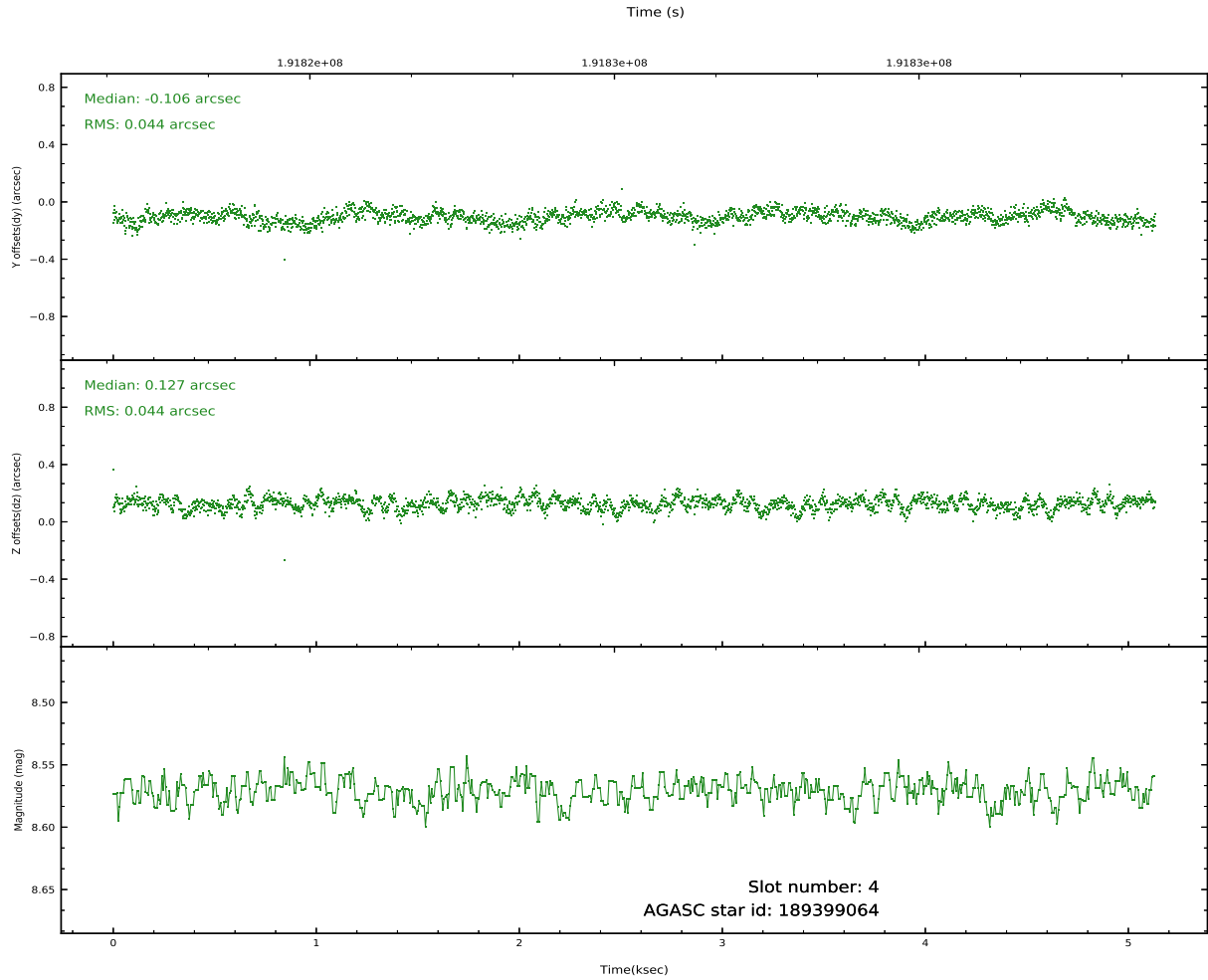
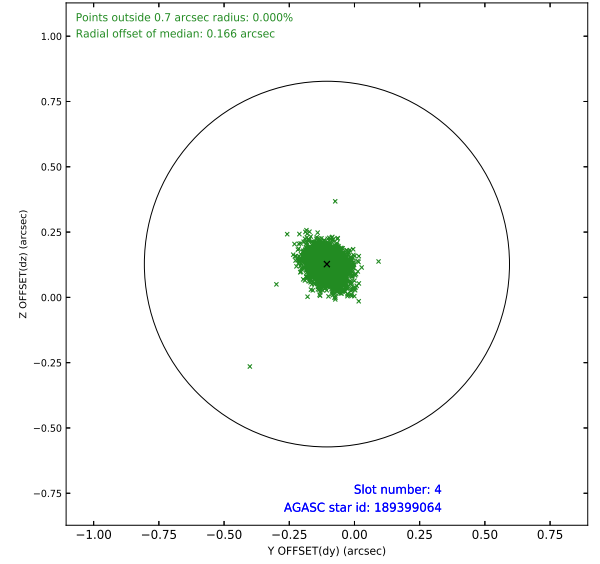
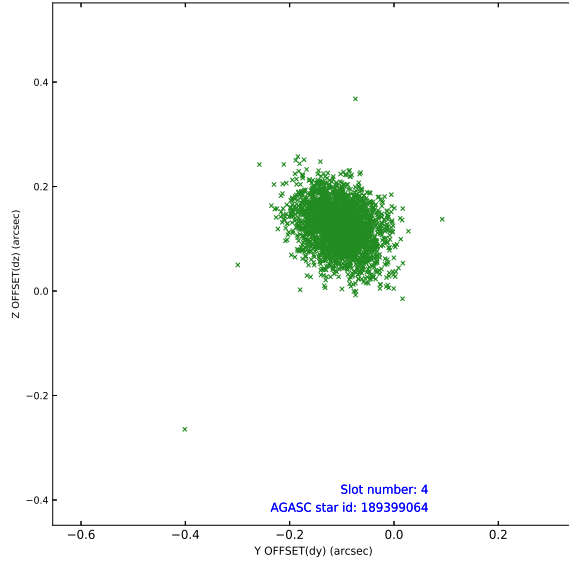
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	1252	1.000	-0.089	-0.073	0.006	0.009	0.000000	0.000000	-760.28	-1731
1	FID		ACIS-S-4	7.20	1253	1.000	0.085	0.039	0.006	0.010	0.000000	0.000000	2152.58	175
2	FID		ACIS-S-6	7.34	1253	1.000	-0.023	0.042	0.007	0.012	0.000000	0.000000	403.22	814
3	GUIDE	used	115344416	7.89	2505	1.000	0.039	-0.106	0.058	0.092	186.624628	14.572004	-1702.99	100
4	GUIDE	used	189399064	8.57	2505	1.000	-0.106	0.127	0.064	0.104	187.048930	15.252486	987.22	-868
5	GUIDE	used	189402384	8.77	2504	1.000	-0.097	0.151	0.078	0.125	187.044872	15.618538	2277.72	-595
6	GUIDE	used	115212664	9.61	2502	1.000	0.206	-0.031	0.109	0.184	186.112214	14.500161	-2301.44	1802
7	GUIDE	used	189402160	9.61	2504	1.000	-0.040	-0.141	0.090	0.144	186.723517	15.477538	1560.45	398

2.4 Star Slots

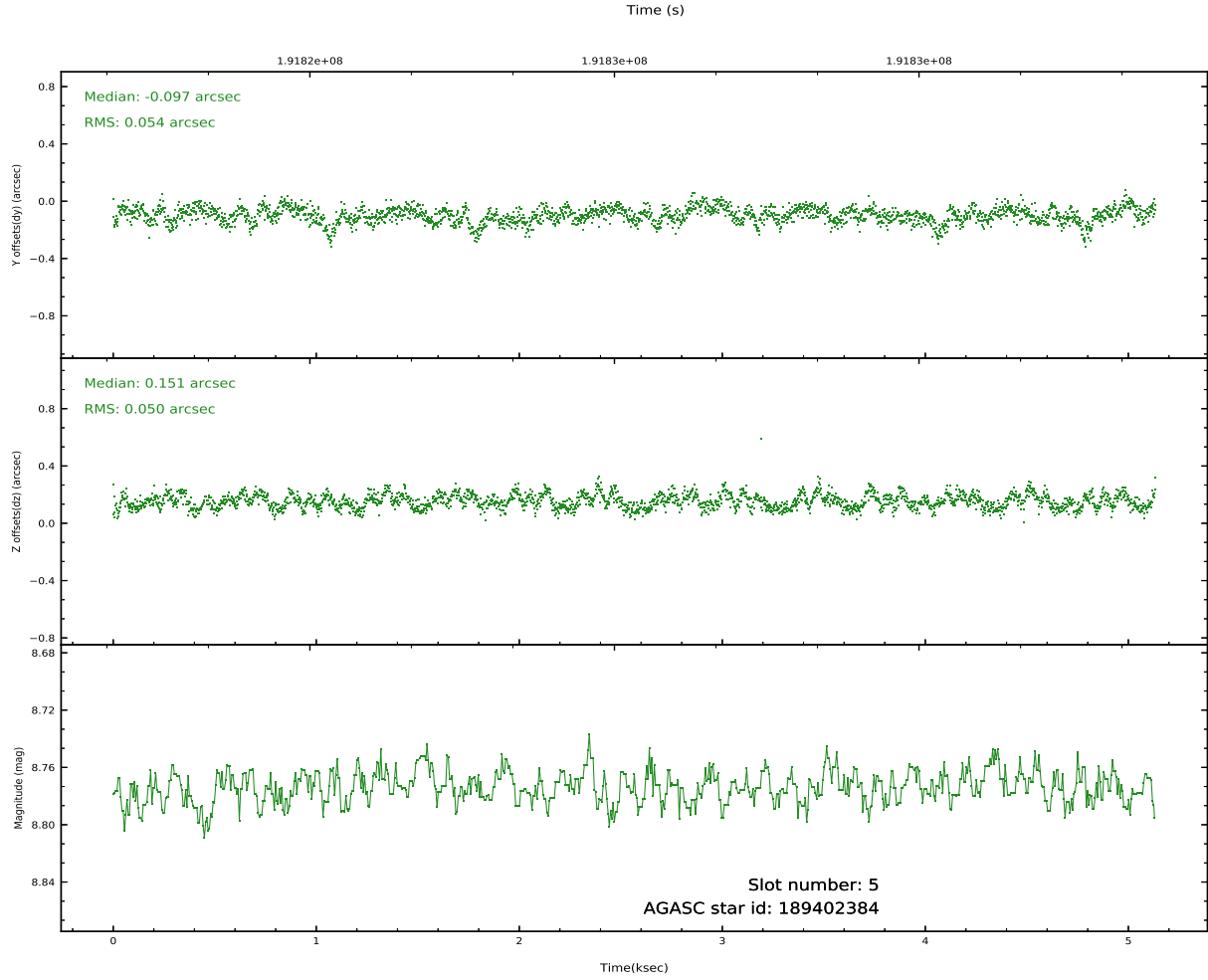
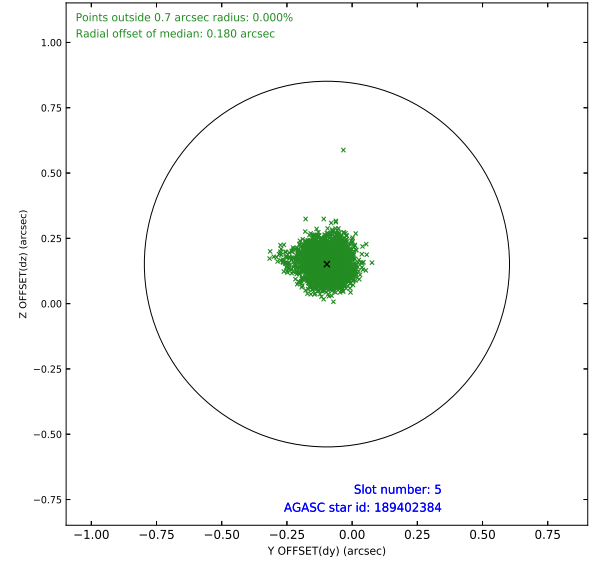
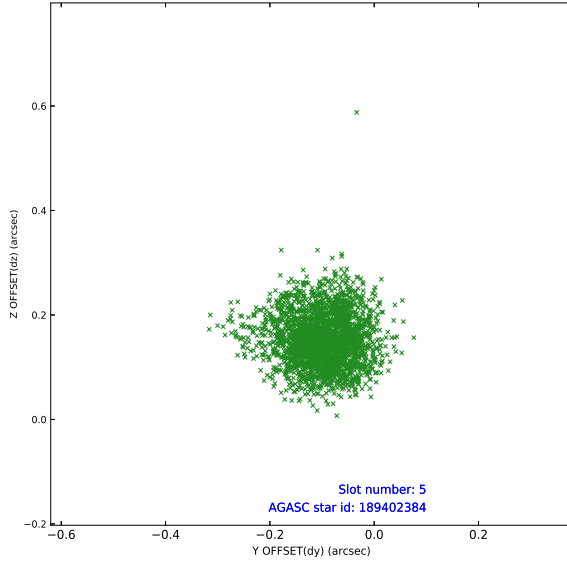
2.4.1 Slot 3



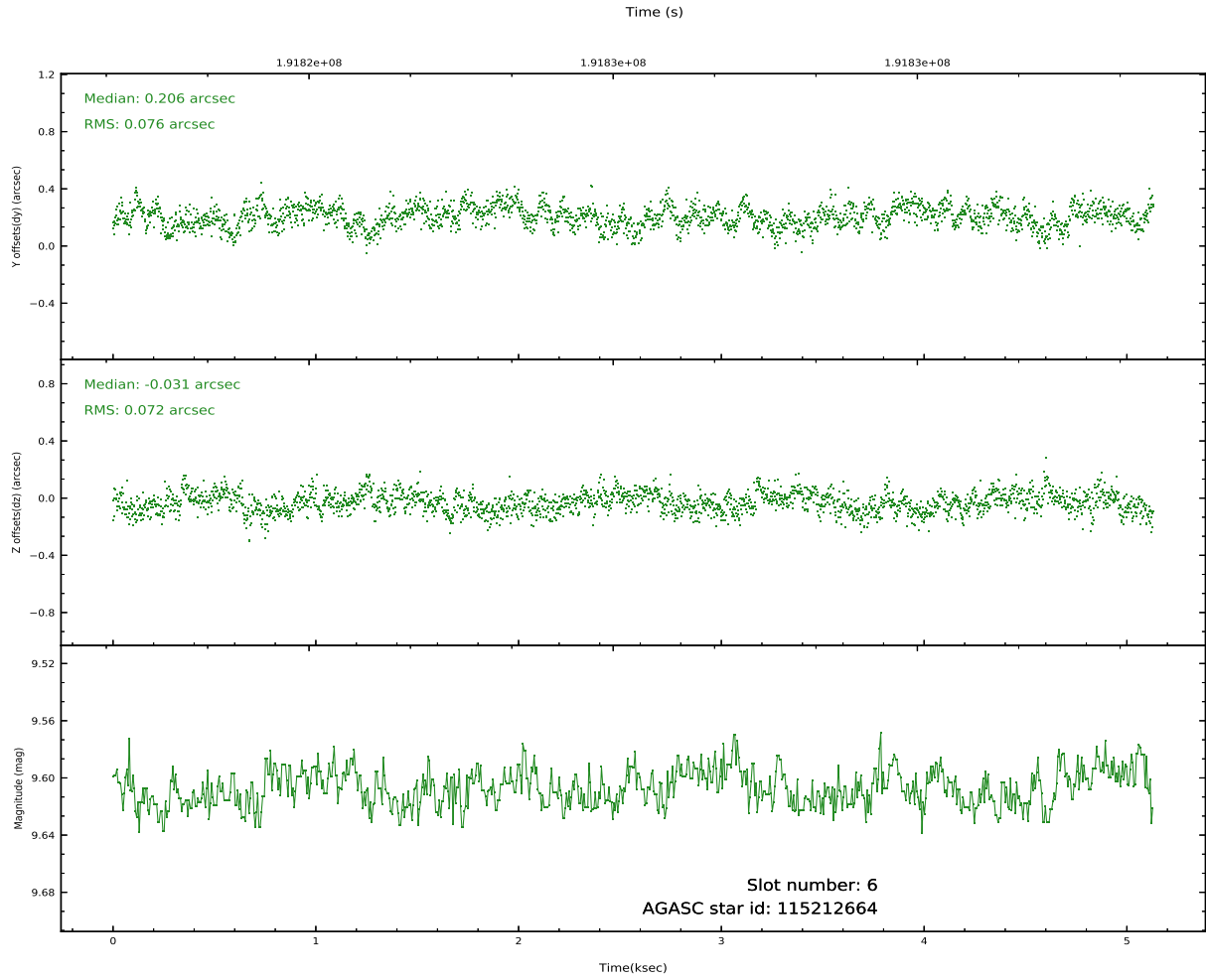
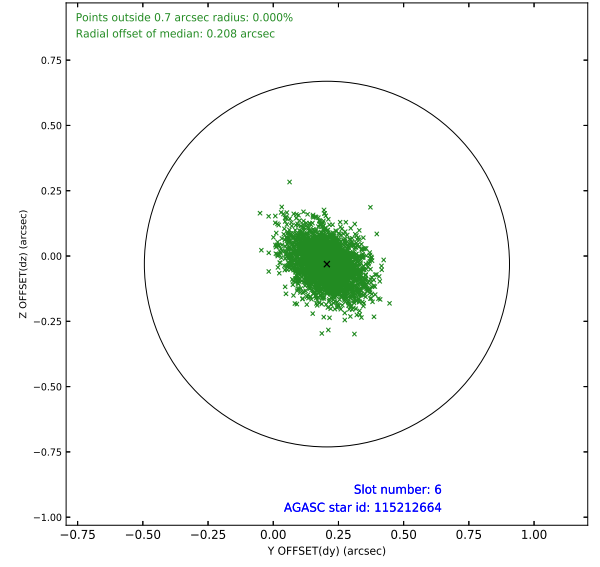
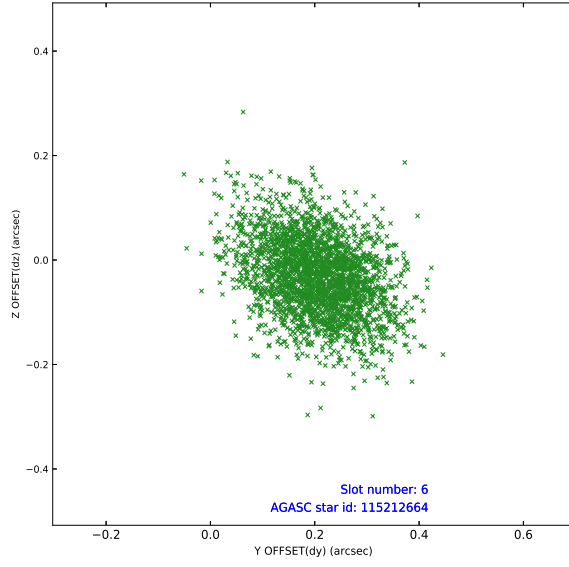
2.4.2 Slot 4



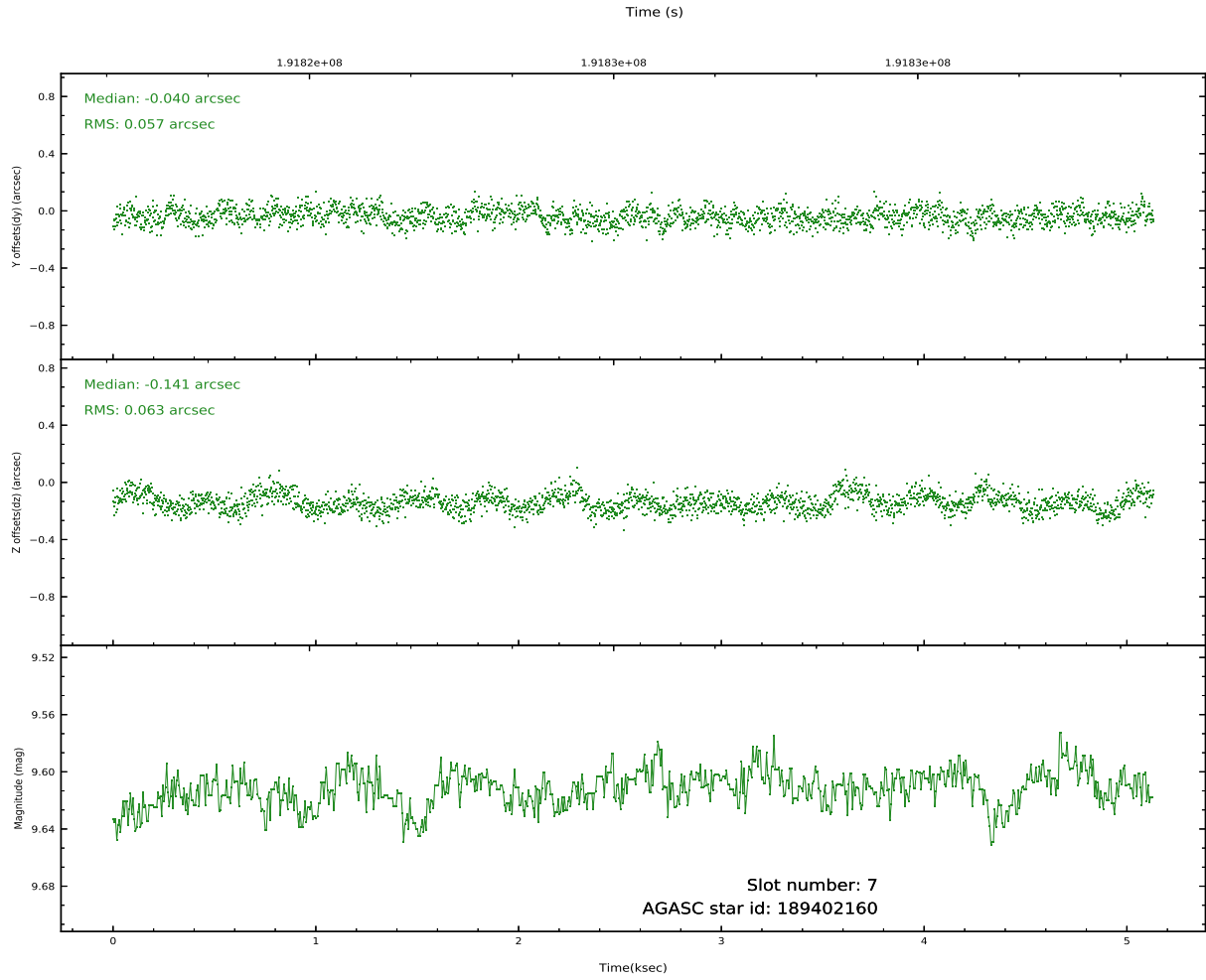
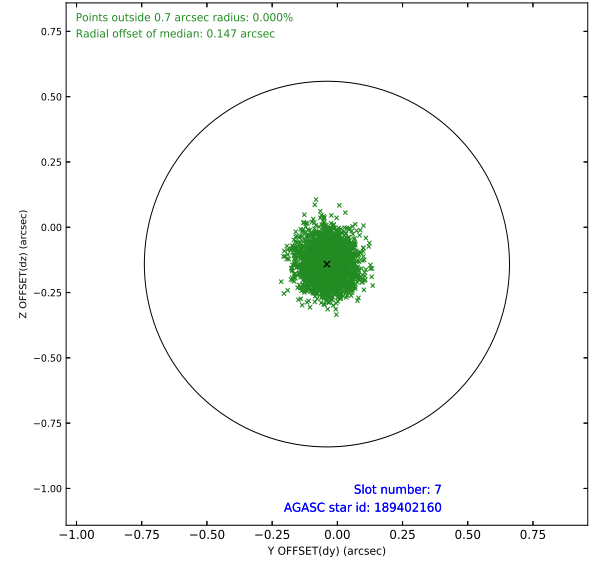
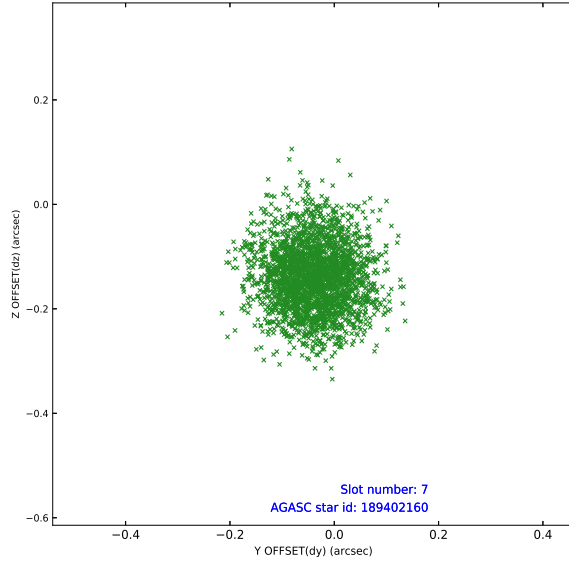
2.4.3 Slot 5



2.4.4 Slot 6

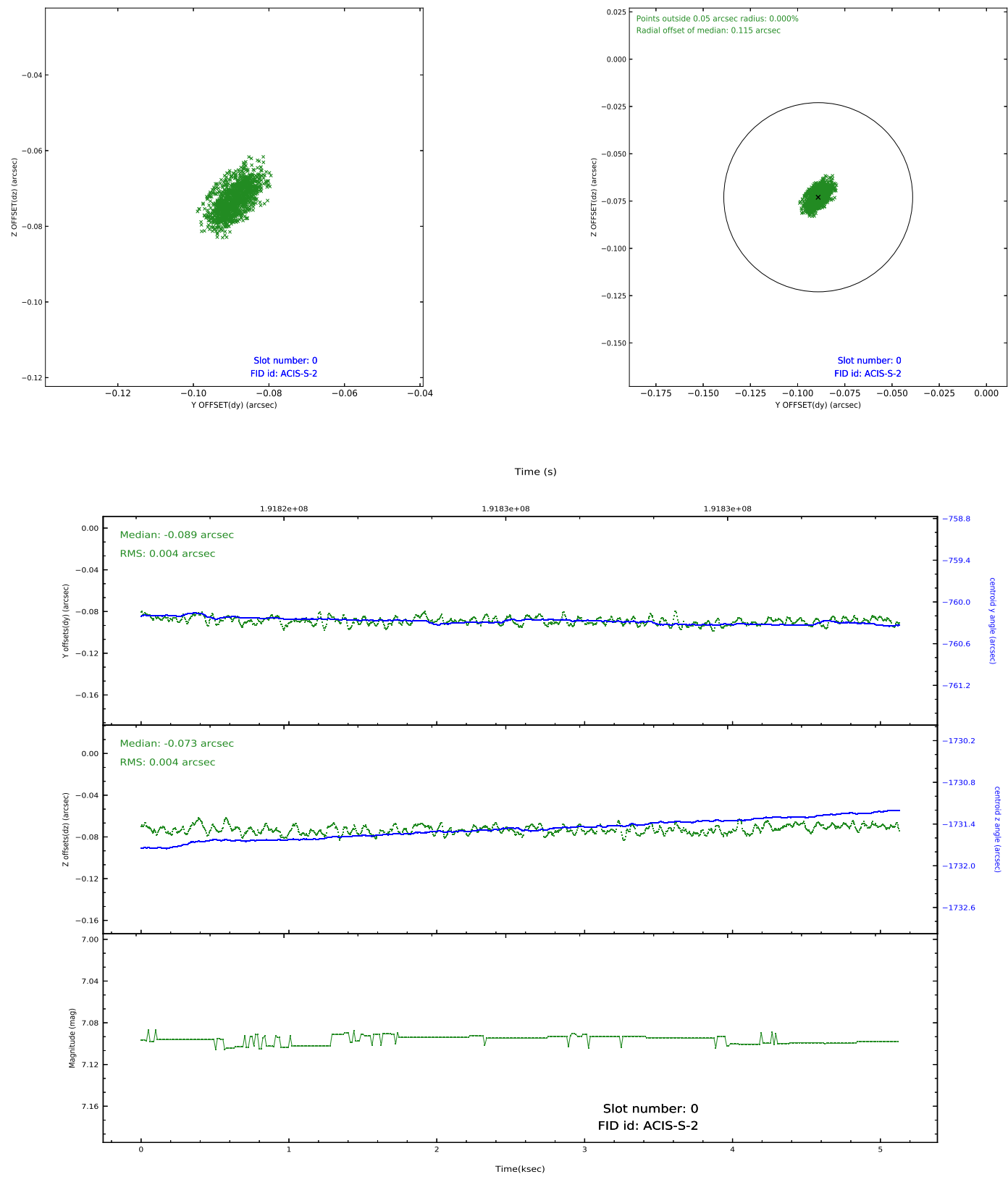


2.4.5 Slot 7

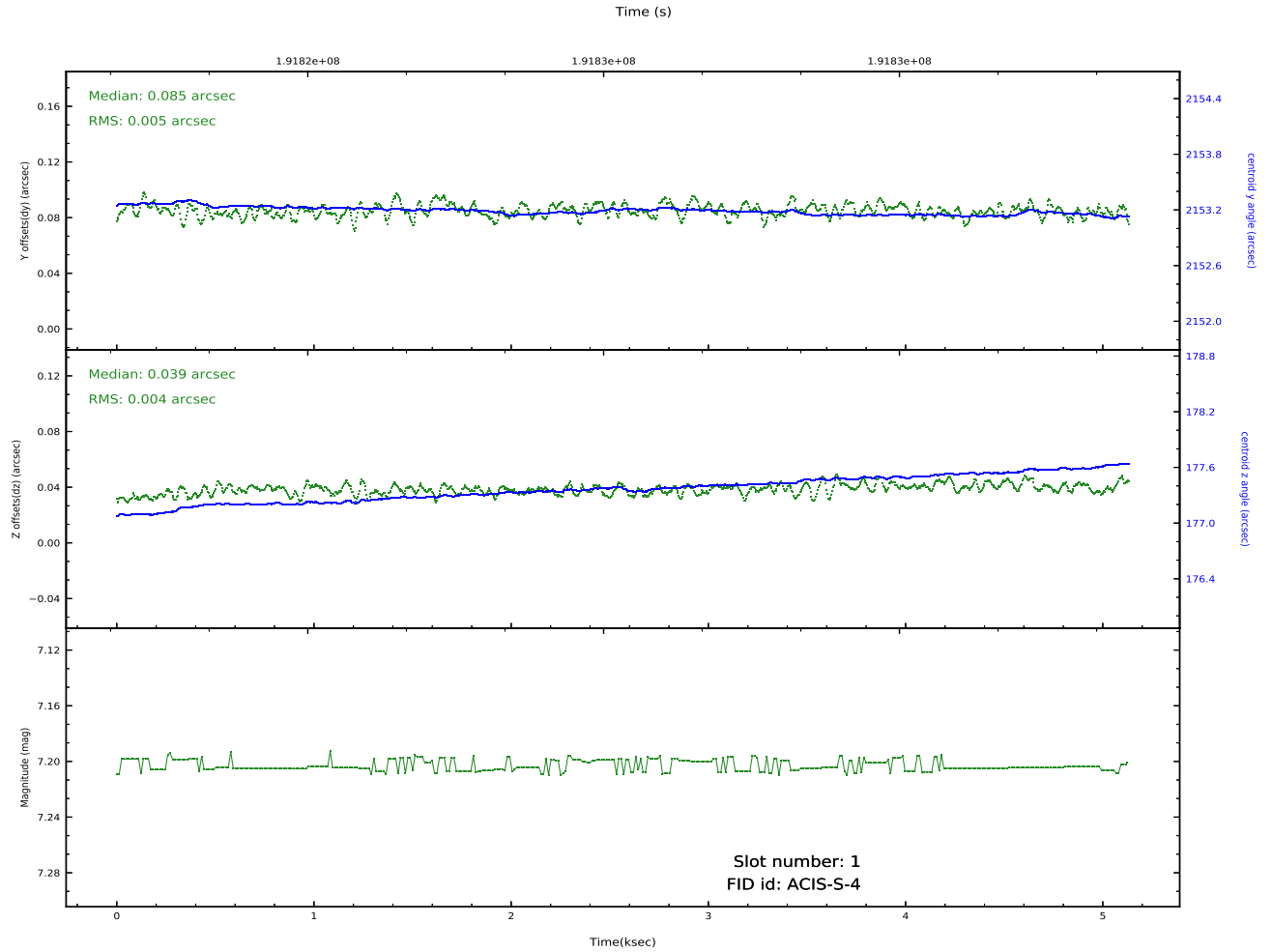
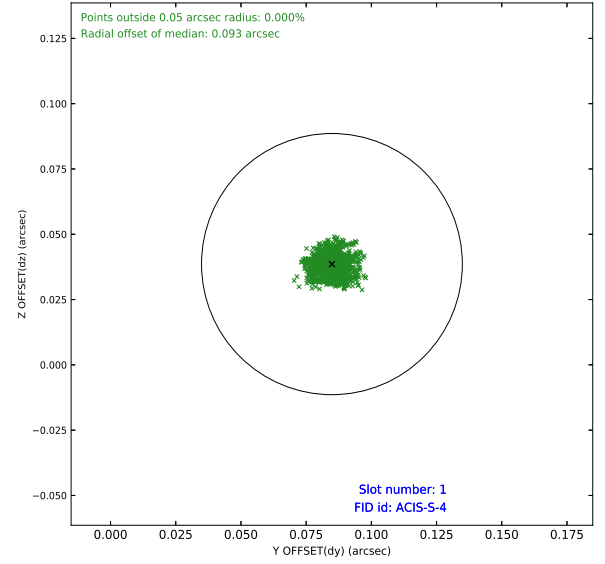
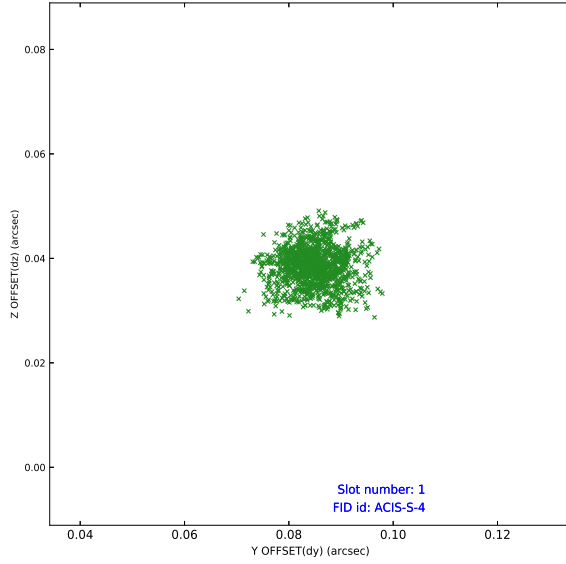


2.5 FID Slots

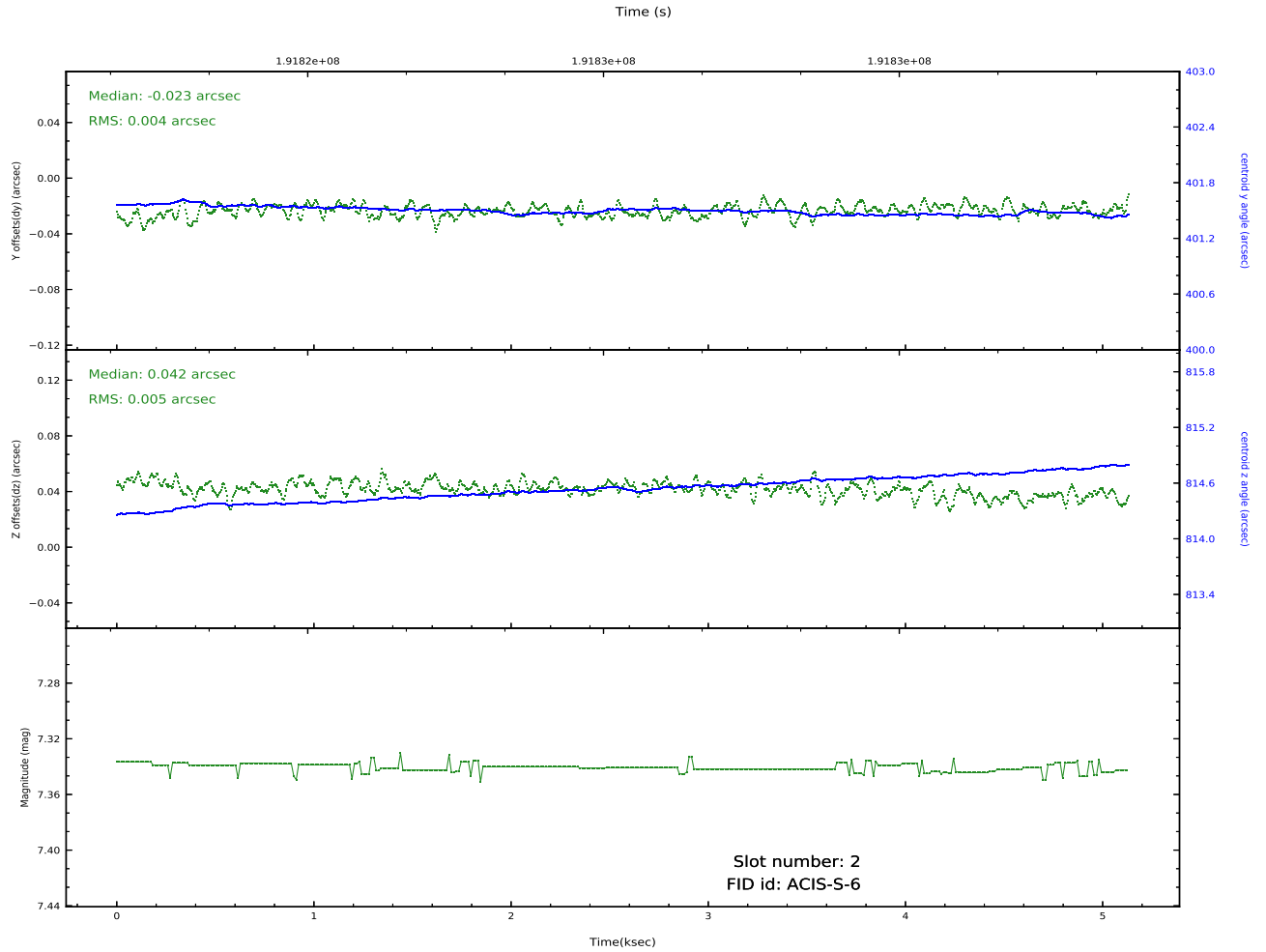
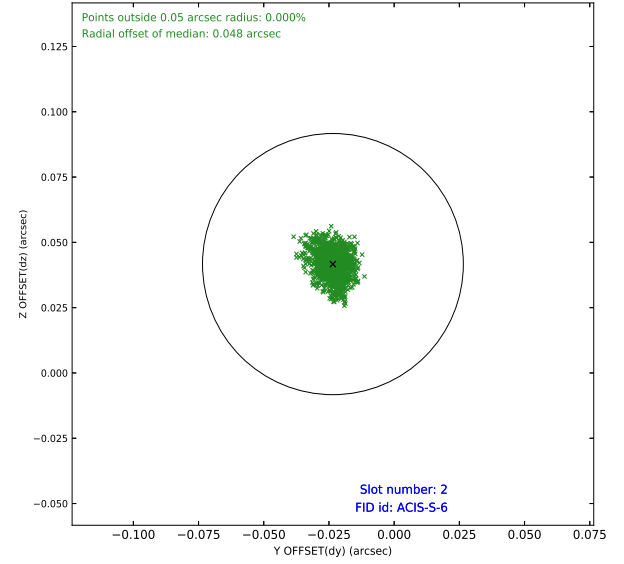
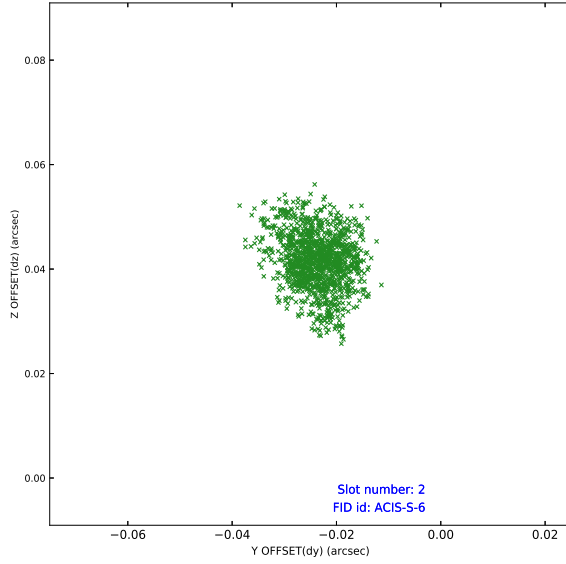
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.126

A.2 Comments