

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5899 - L2 Version 4
Chandra X-Ray Center

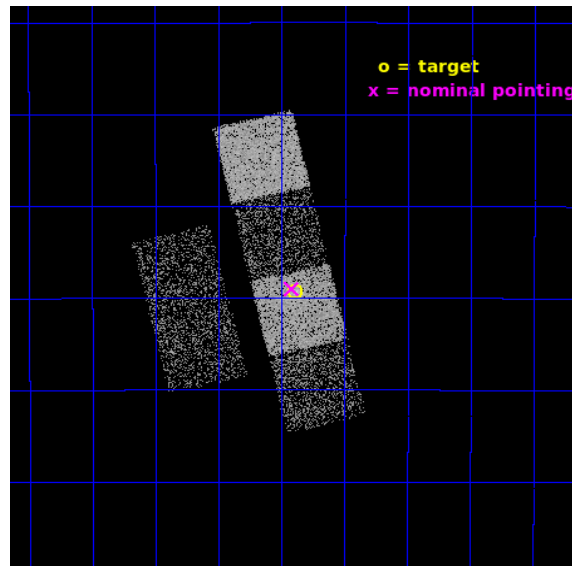
L2 Processing Date : Oct 5 2020

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1 Front

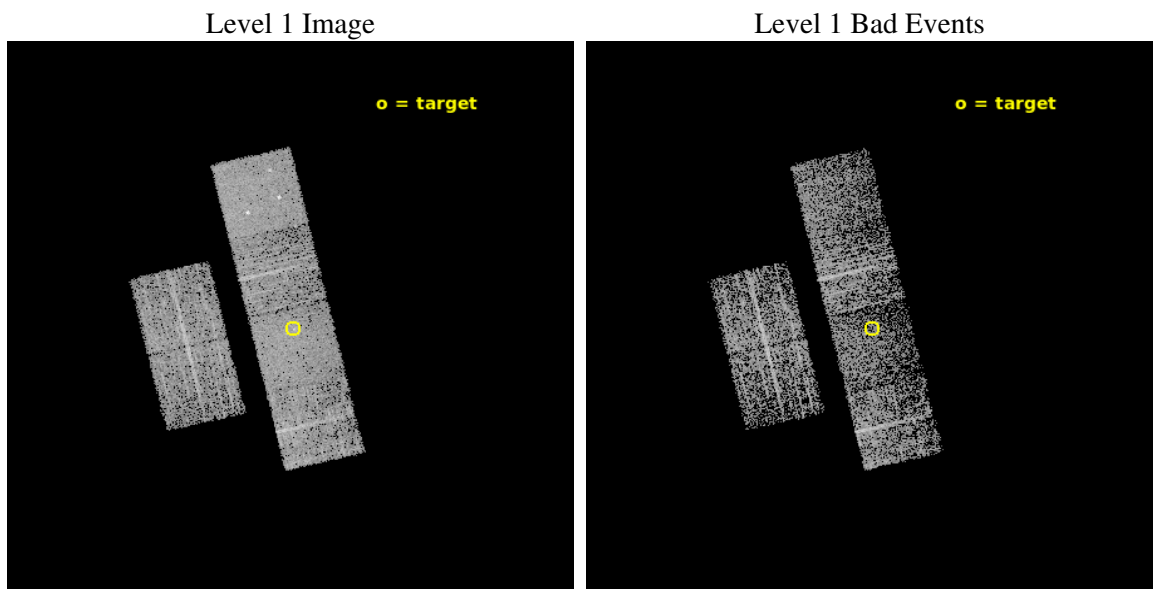
seq_num	600418	Sequence number
obs_id	5899	Observation id
title	Snapshot Observations of X-ray Bright Early-Type Galaxies	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NGC5328	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	208.222083	Observer's specified target RA [deg]
dec_targ	-28.489444	Observer's specified target Dec [deg]
ra_nom	208.22939268843	Nominal RA [deg]
dec_nom	-28.483286451975	Nominal Dec [deg]
roll_nom	76.784363227076	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2630.399990201	Sum of GTIs [s]
livetime	2597.0922816883	Livetime [s]
ontime2	2630.399990201	Sum of GTIs [s]
ontime3	2630.399990201	Sum of GTIs [s]
ontime5	2630.399990201	Sum of GTIs [s]
ontime6	2630.399990201	Sum of GTIs [s]
ontime7	2630.399990201	Sum of GTIs [s]
ontime8	2630.399990201	Sum of GTIs [s]
l2events	24846	Number of level 2 events



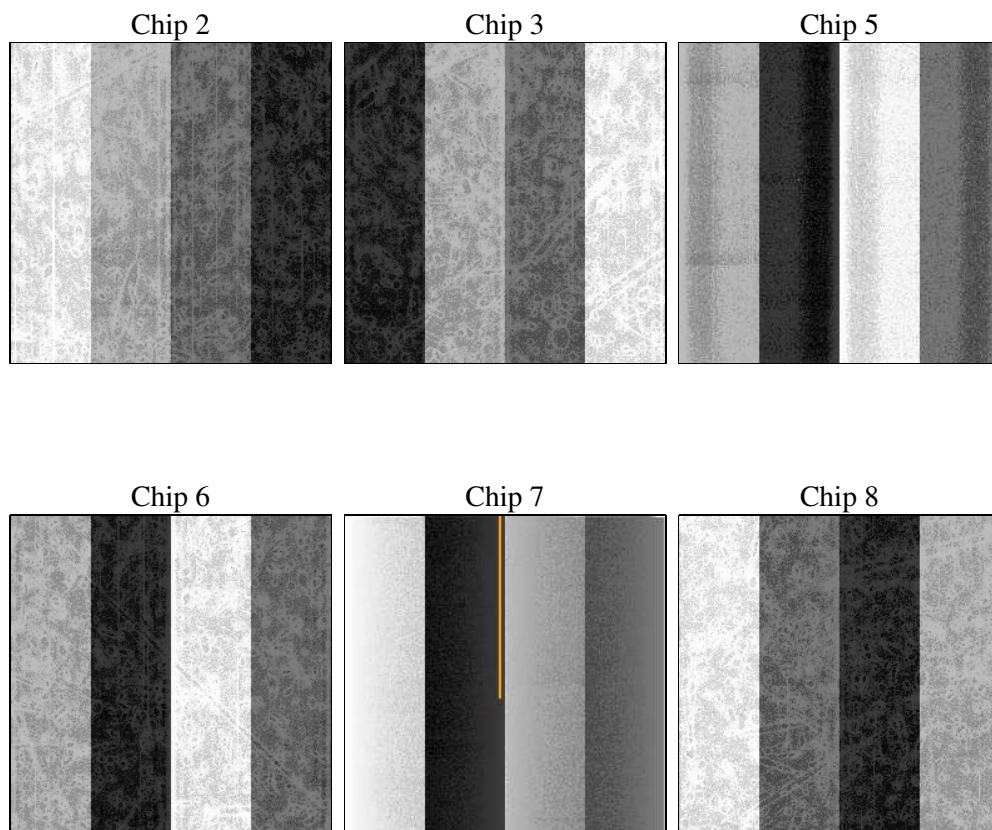
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2630.399990201	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	2630.399990201	Sum of GTIs [s]
date	2020-10-05T19:30:38	Date and time of file creation	ontime3	2630.399990201	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2630.399990201	Sum of GTIs [s]
			ontime6	2630.399990201	Sum of GTIs [s]
			ontime7	2630.399990201	Sum of GTIs [s]
			ontime8	2630.399990201	Sum of GTIs [s]
			l1events	120057	Number of level 1 events

2.1.4 Events

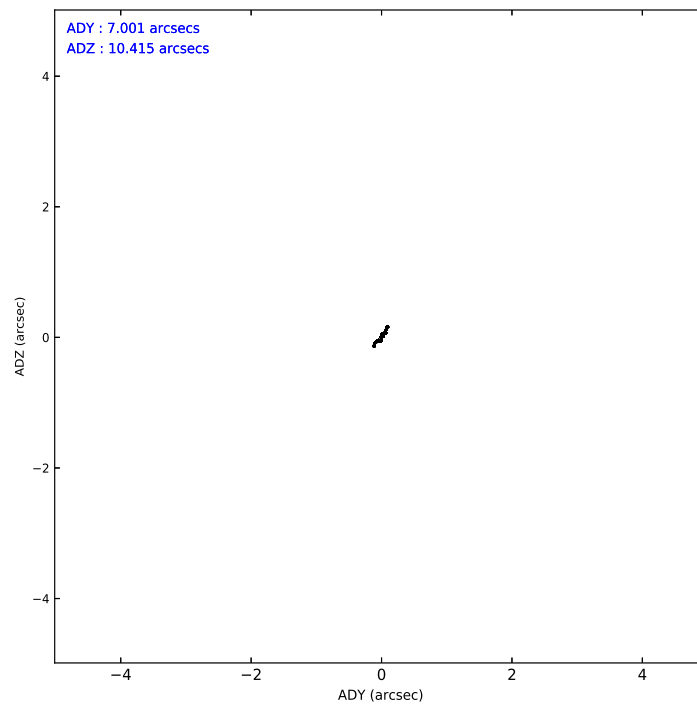
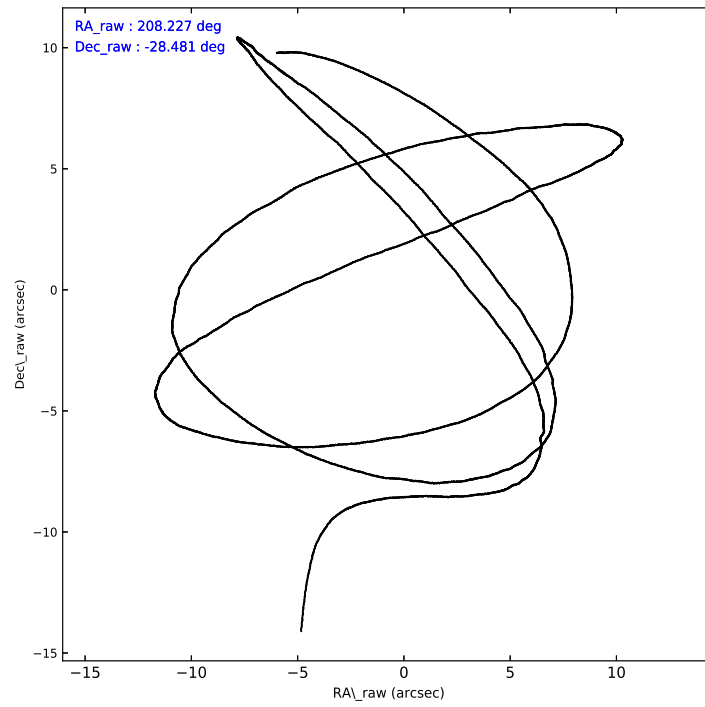
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18568	16880	24292	18545	20330	21442
rejected events	16922	15329	12760	16759	11301	16786
rejected %	91%	90%	52%	90%	55%	78%

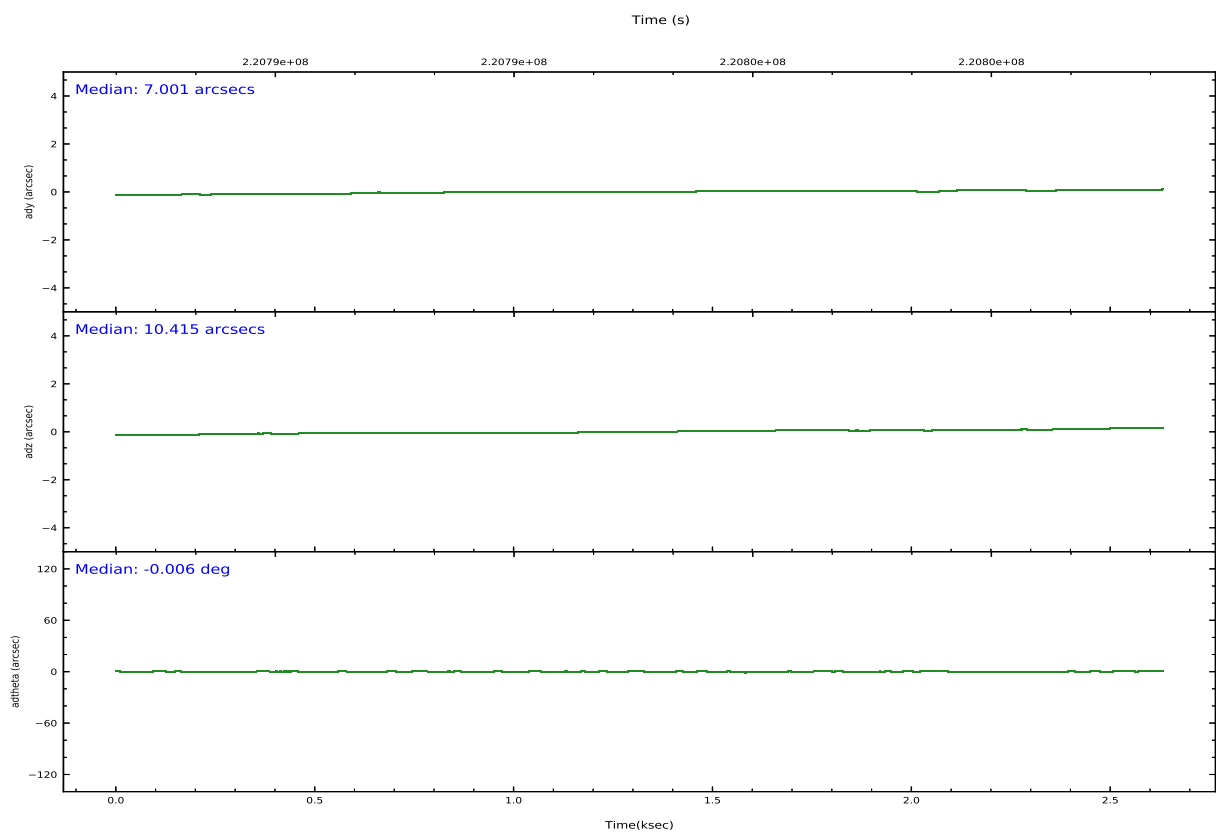
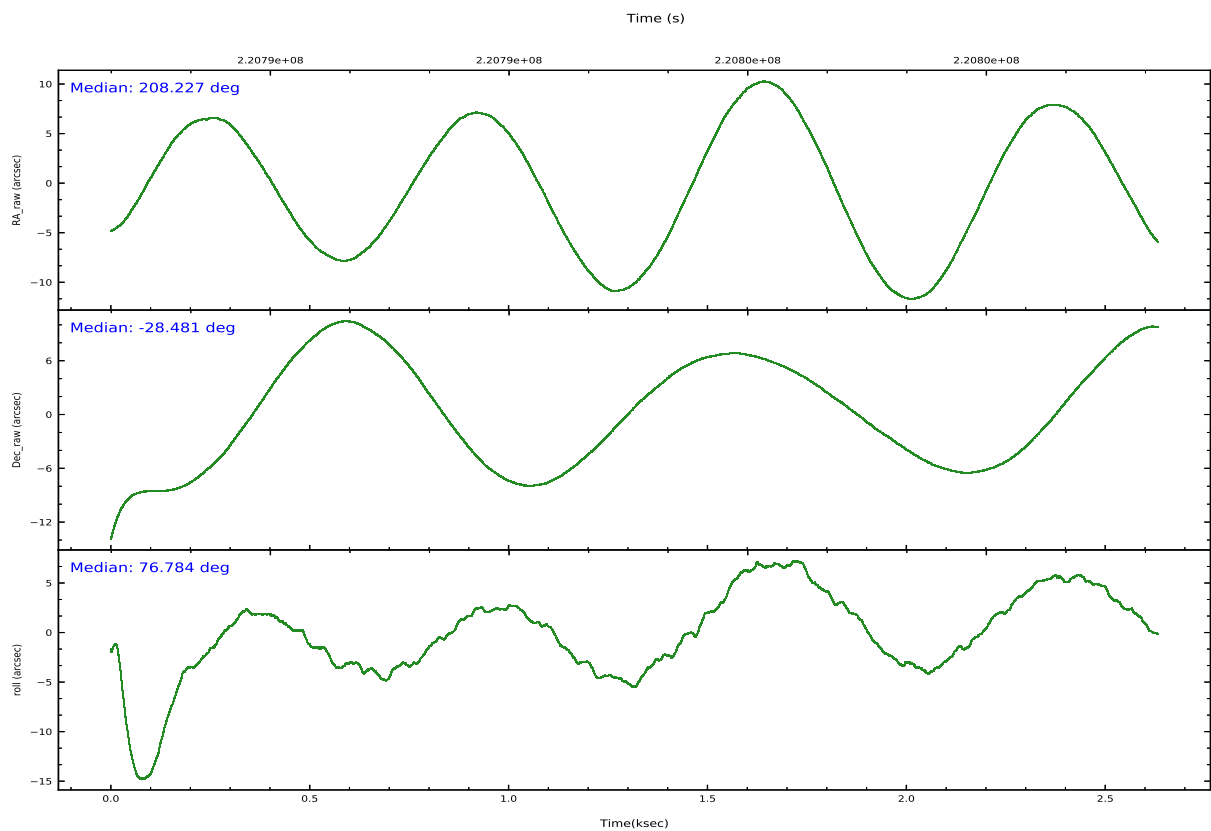
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	685	604	1960	693	1167	1636
	3%	3%	8%	3%	5%	7%
grade 1 events	12	6	52	13	20	14
	0%	0%	0%	0%	0%	0%
grade 2 events	400	342	3284	405	2010	1088
	2%	2%	13%	2%	9%	5%
grade 3 events	178	196	564	208	892	594
	0%	1%	2%	1%	4%	2%
grade 4 events	175	189	565	197	904	526
	0%	1%	2%	1%	4%	2%
grade 5 events	582	644	1954	717	2017	1015
	3%	3%	8%	3%	9%	4%
grade 6 events	337	333	6010	409	4745	1212
	1%	1%	24%	2%	23%	5%
grade 7 events	16199	14566	9903	15903	8575	15357
	87%	86%	40%	85%	42%	71%

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	208.235788	208.22939268843	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.506531	-28.483286451975	Alternating exposures requested	N	N
[deg] Pointing Roll	76.630261	76.784363227076	[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)	220793533.184000	220792385.98104			
Observation start date	2004-12-30T11:31:09	2004-12-30T11:13:05			
[s] Observation end time (MET)	220796033.184000	220796987.20624			
Observation end date	2004-12-30T12:12:49	2004-12-30T12:29:47			
Read mode	TIMED	TIMED			

2.3 Aspect



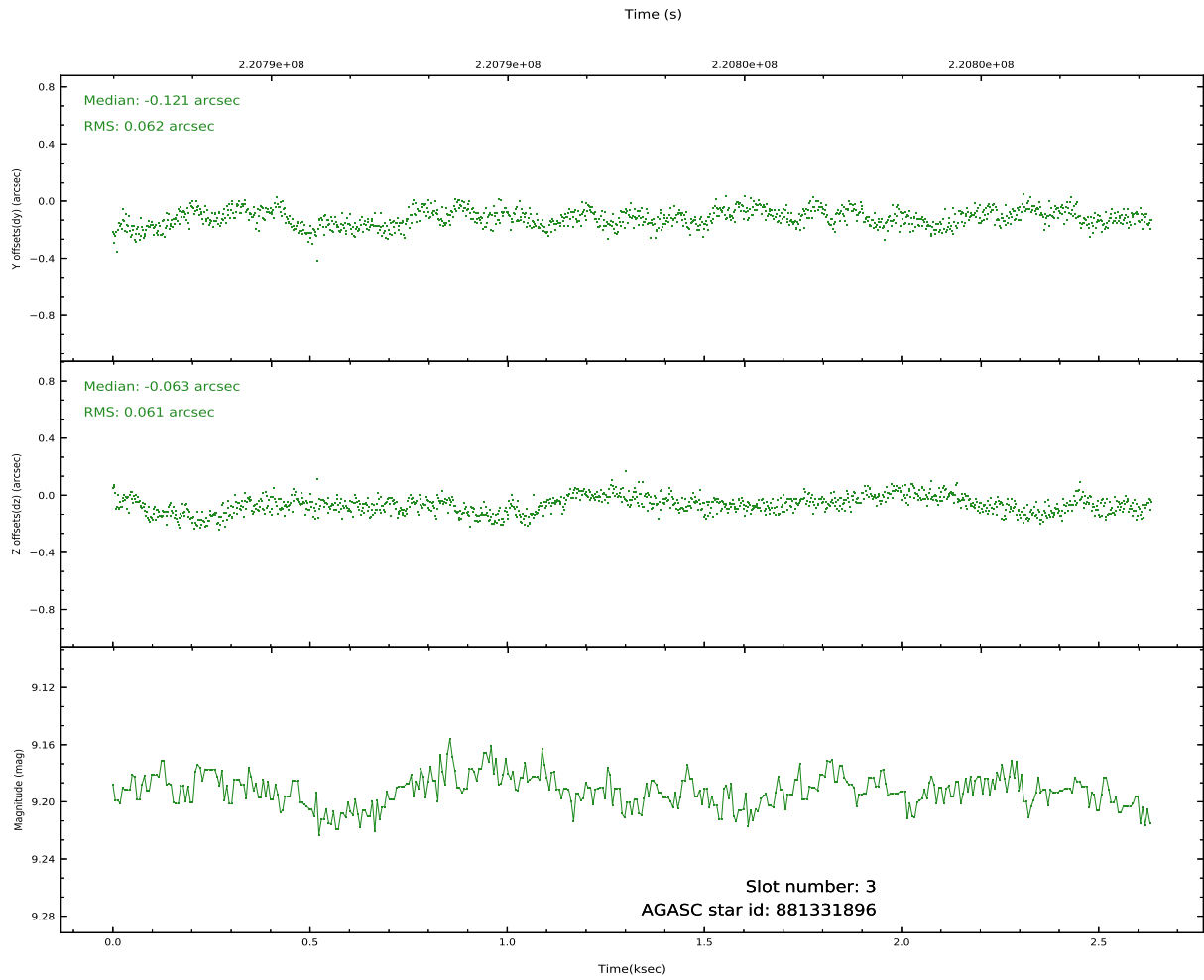
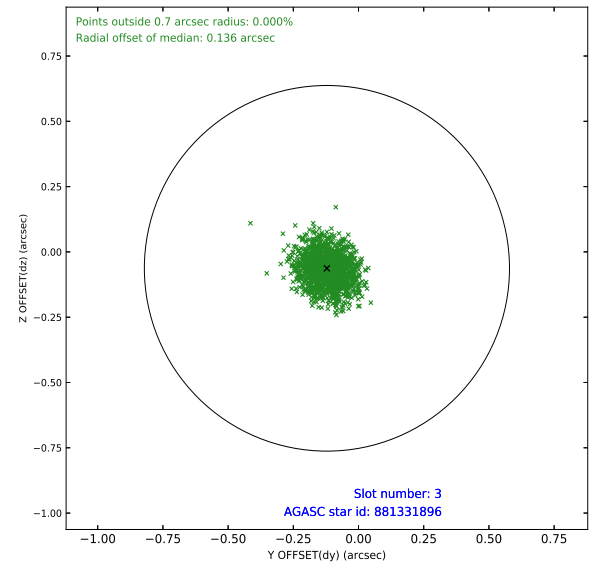
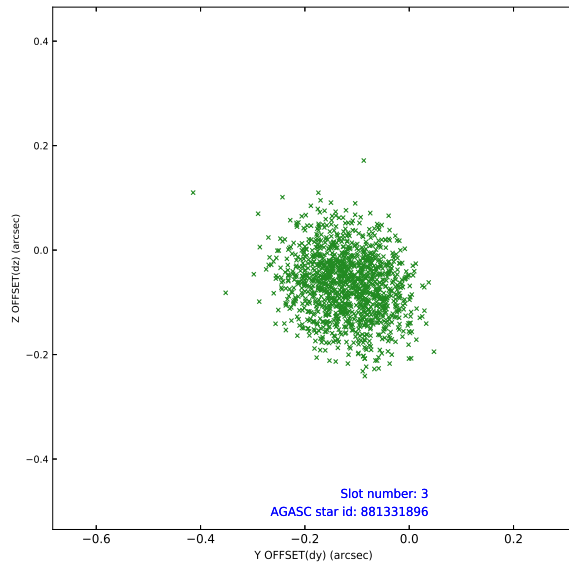


Slot Statistics

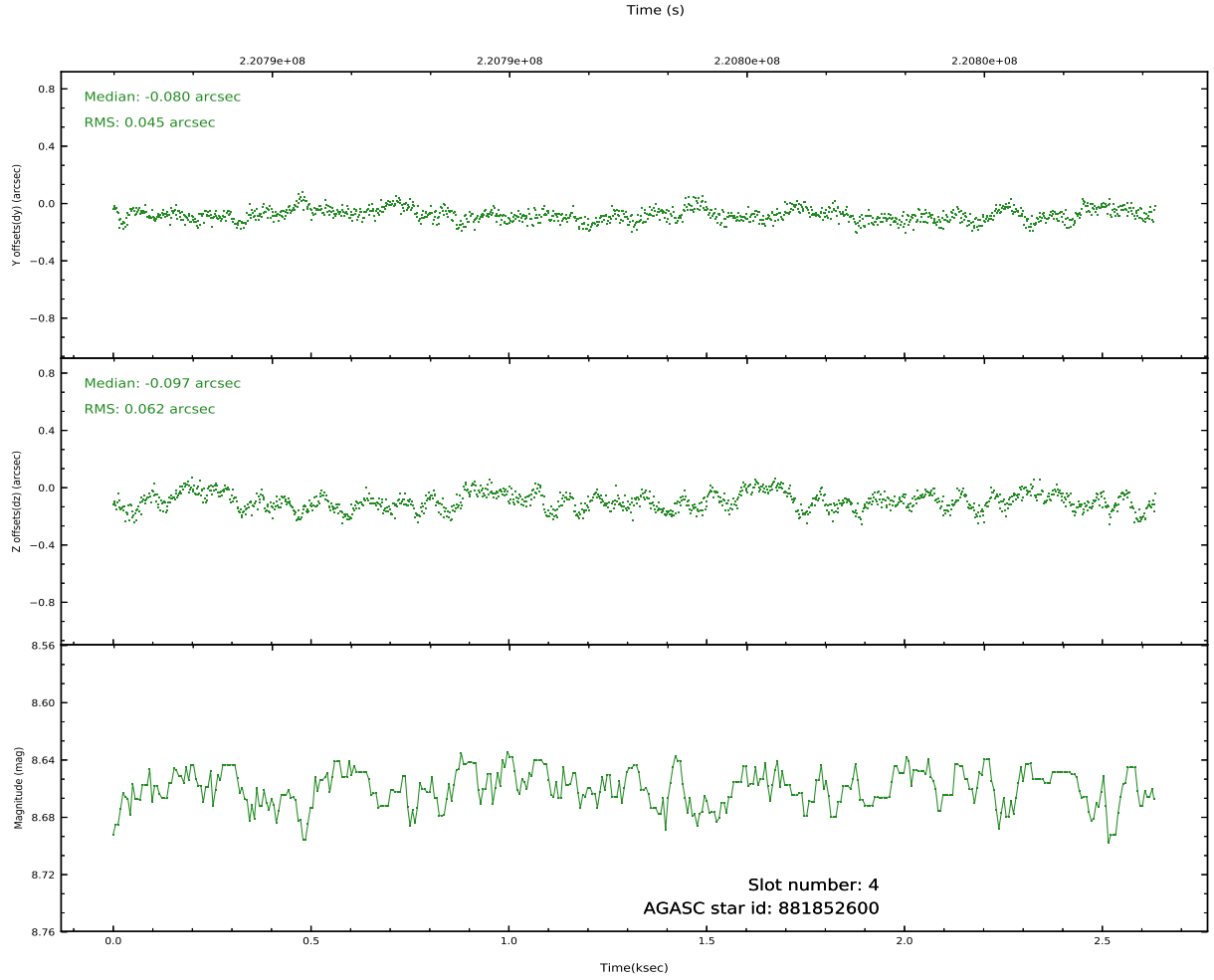
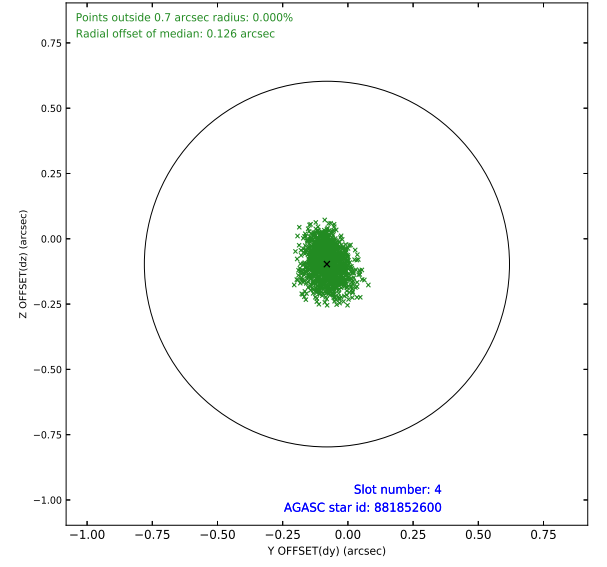
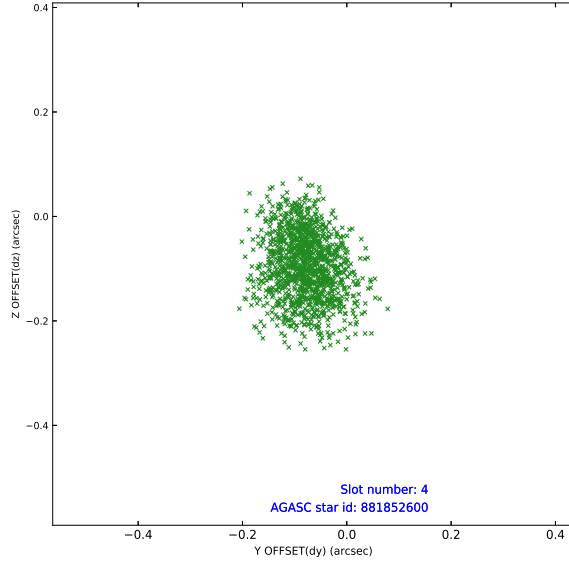
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	643	1.000	-0.090	-0.061	0.006	0.012	0.000000	0.000000	-759.77	-1731
1	FID		ACIS-S-4	7.21	643	1.000	0.151	0.059	0.005	0.008	0.000000	0.000000	2152.57	174
2	FID		ACIS-S-5	7.23	643	1.000	-0.093	0.010	0.006	0.010	0.000000	0.000000	-1809.54	170
3	GUIDE	used	881331896	9.19	1284	1.000	-0.121	-0.063	0.095	0.146	208.238634	-28.067179	1541.12	357
4	GUIDE	used	881852600	8.66	1286	1.000	-0.080	-0.097	0.083	0.132	207.689782	-28.312019	277.99	1845
5	GUIDE	used	881854992	9.59	1283	1.000	0.109	0.305	0.097	0.154	208.326458	-28.613739	-308.71	-365
6	GUIDE	used	881857144	9.10	1286	1.000	0.112	-0.153	0.096	0.145	207.451250	-28.639742	-1047.73	2299
7	GUIDE	used	881328568	8.18	1285	1.000	-0.027	0.014	0.072	0.113	207.726842	-27.707144	2420.63	2245

2.4 Star Slots

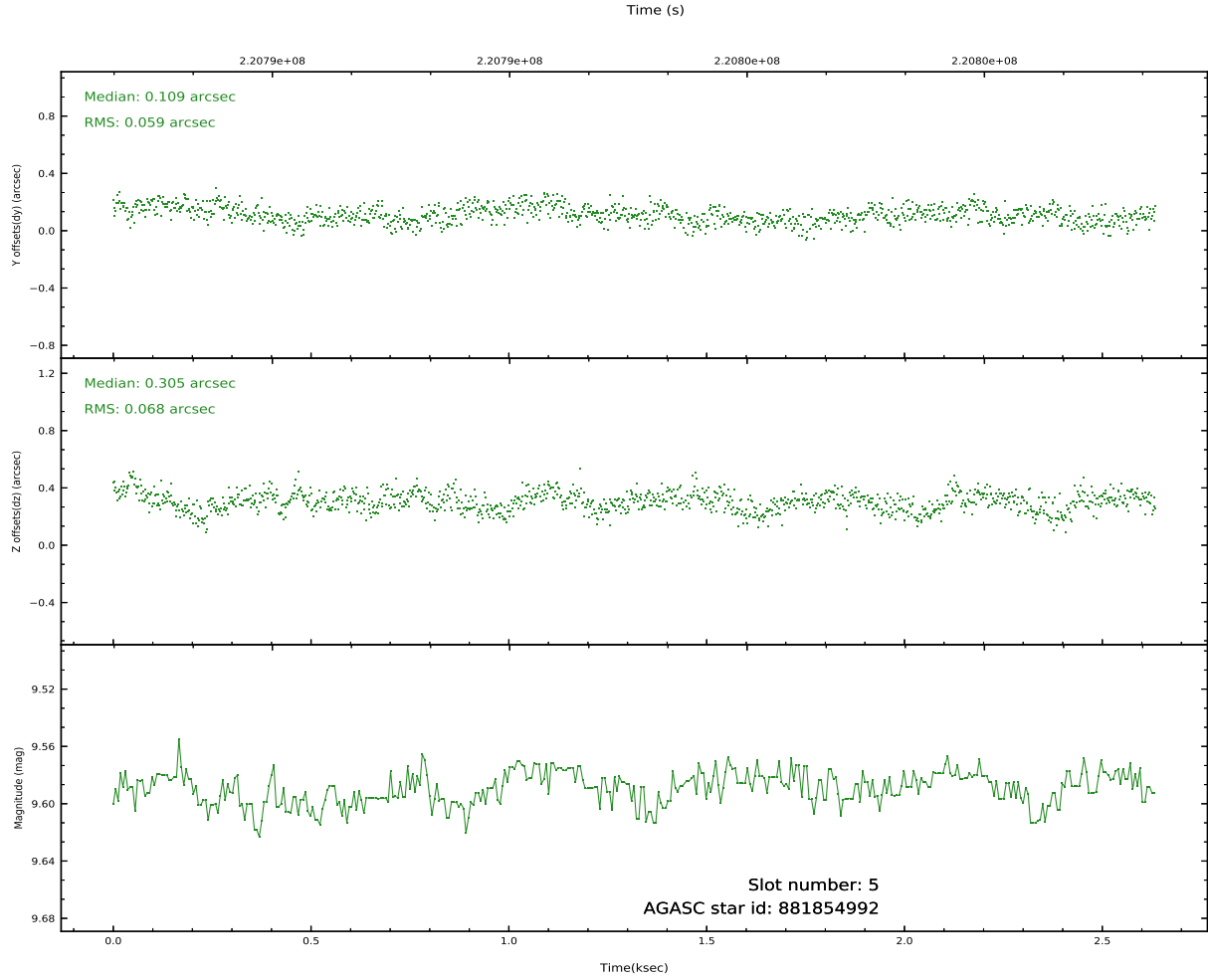
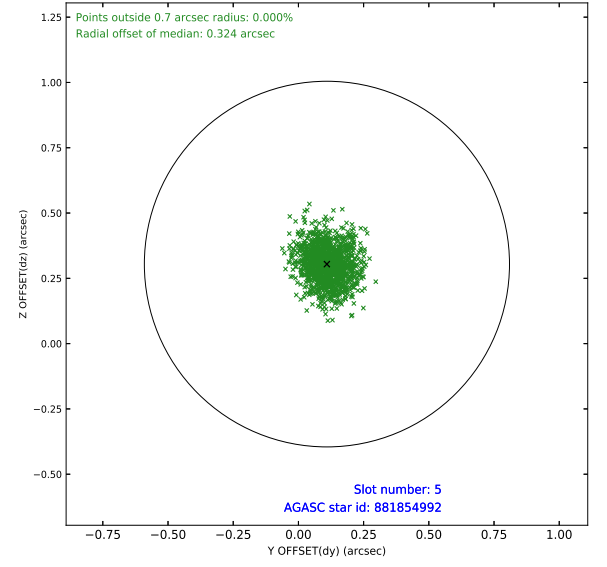
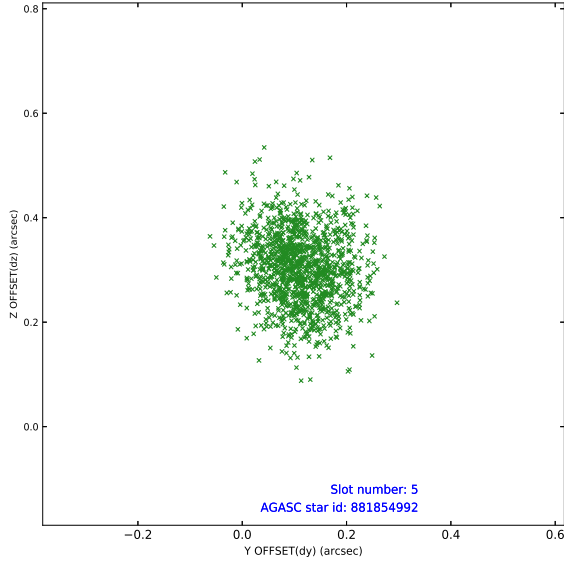
2.4.1 Slot 3



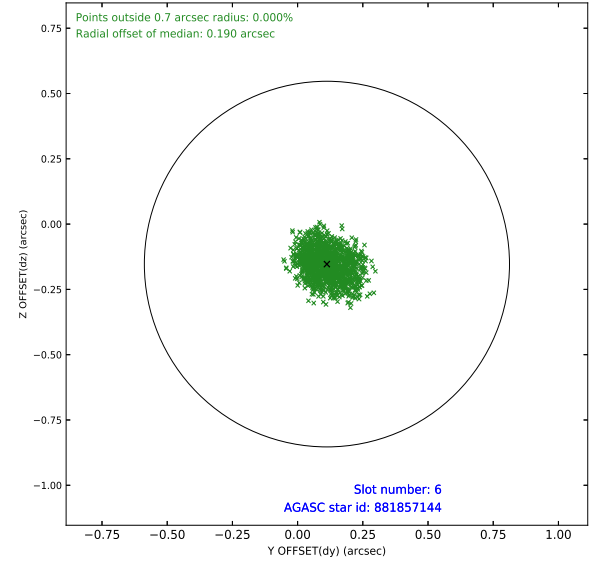
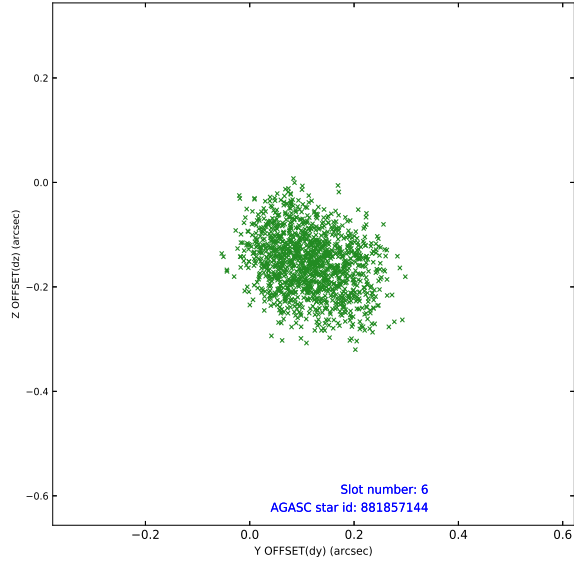
2.4.2 Slot 4



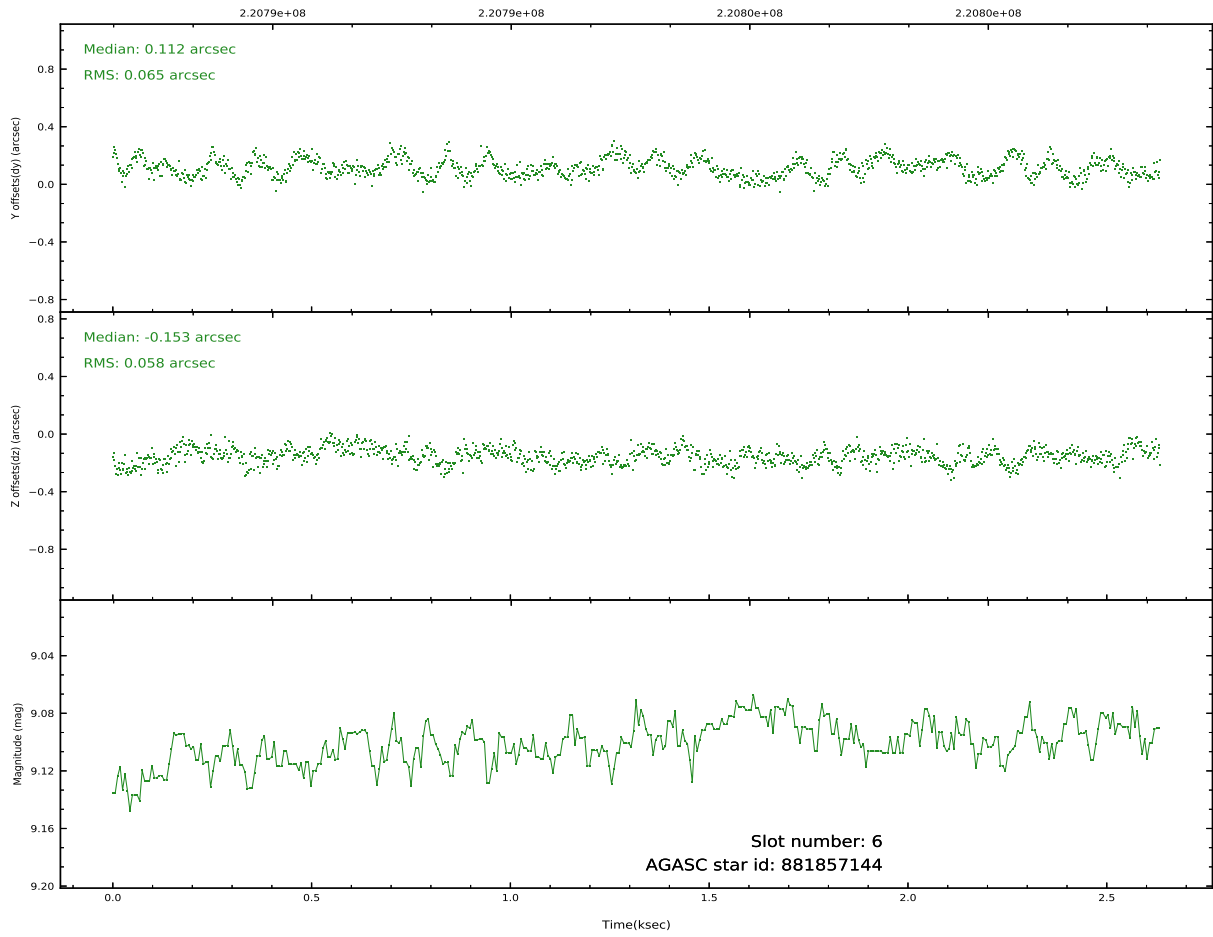
2.4.3 Slot 5



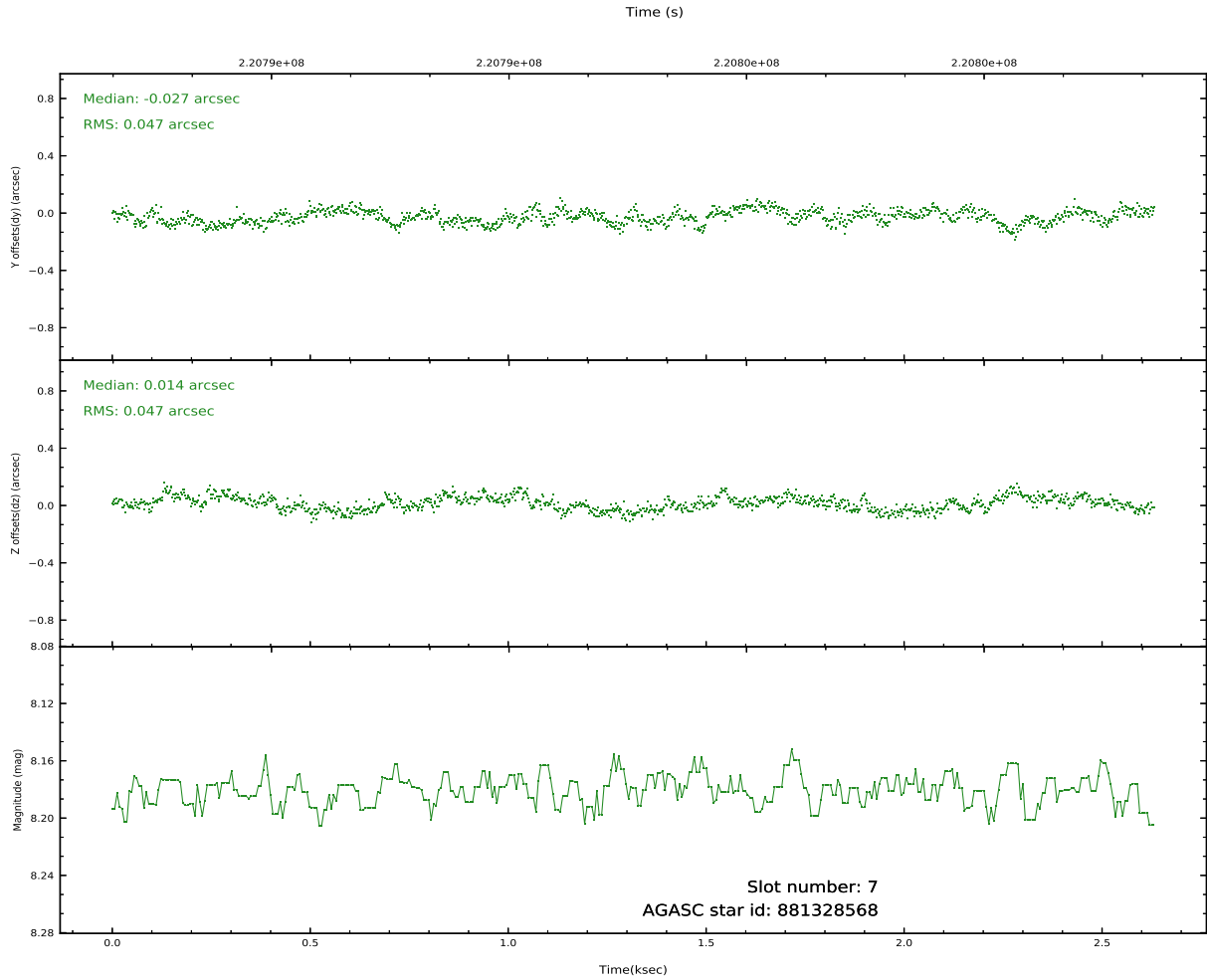
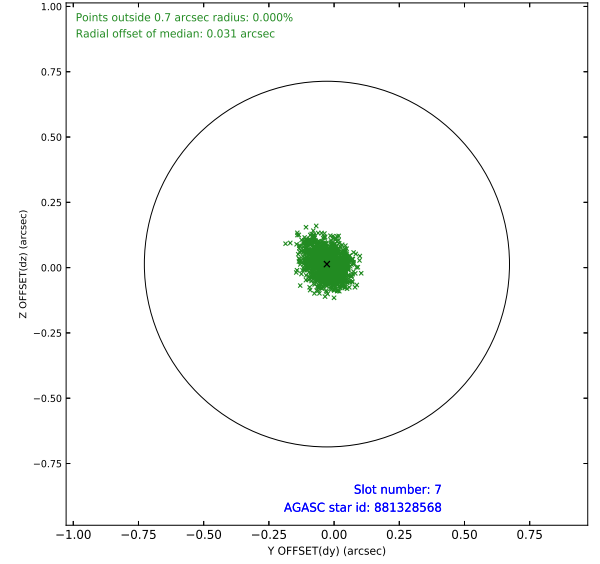
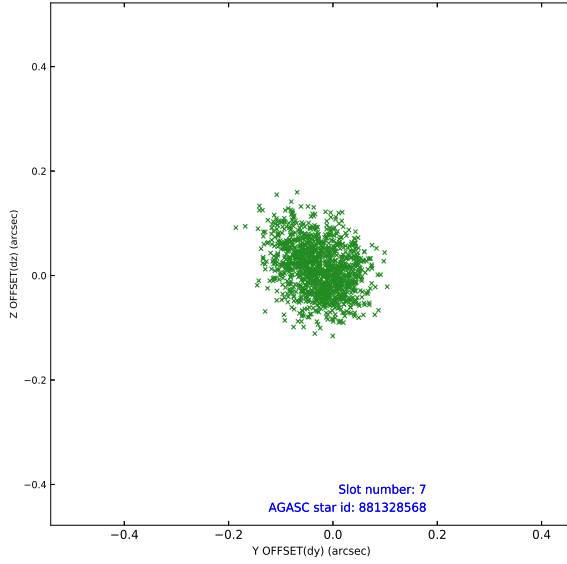
2.4.4 Slot 6



Time (s)

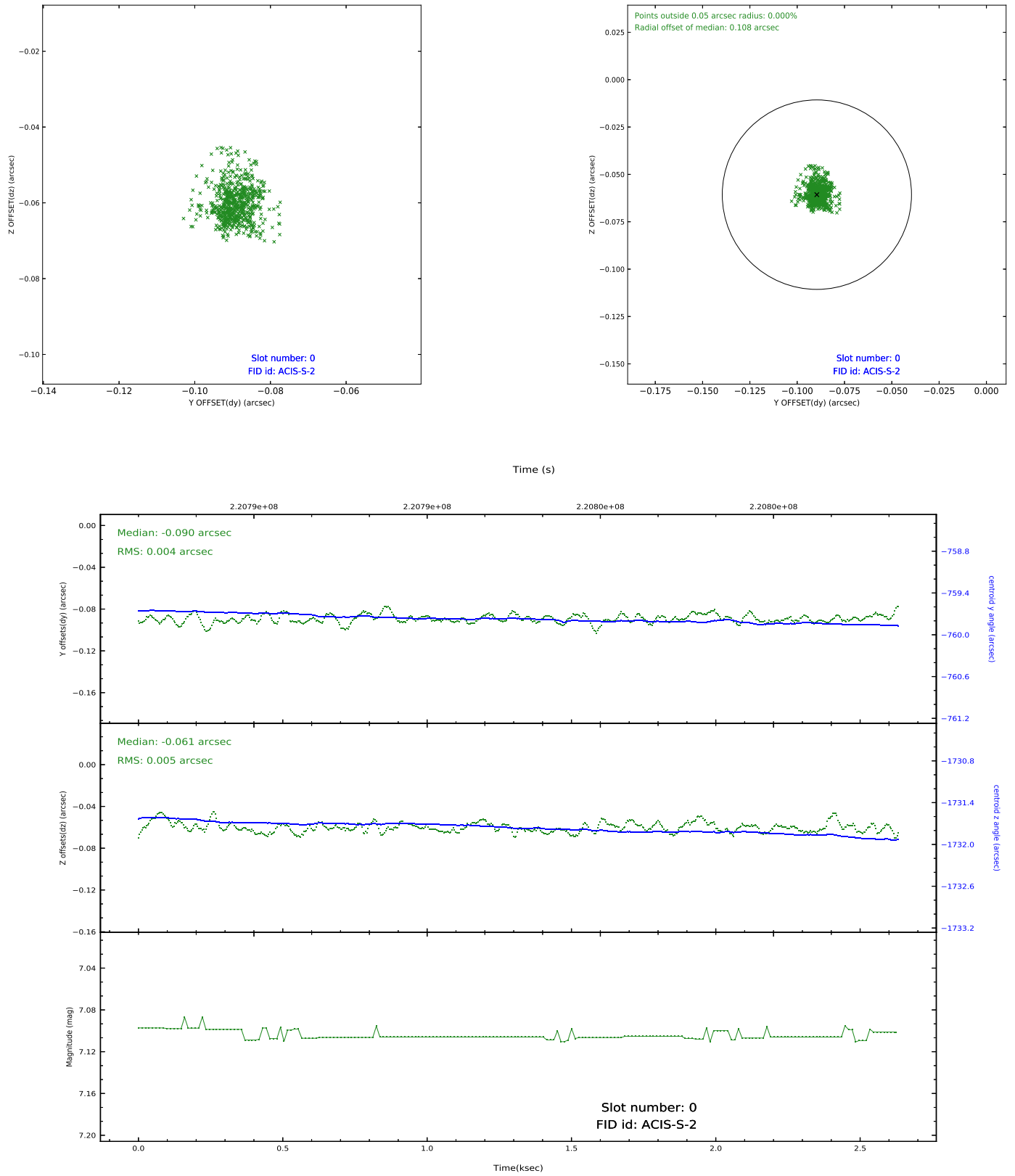


2.4.5 Slot 7

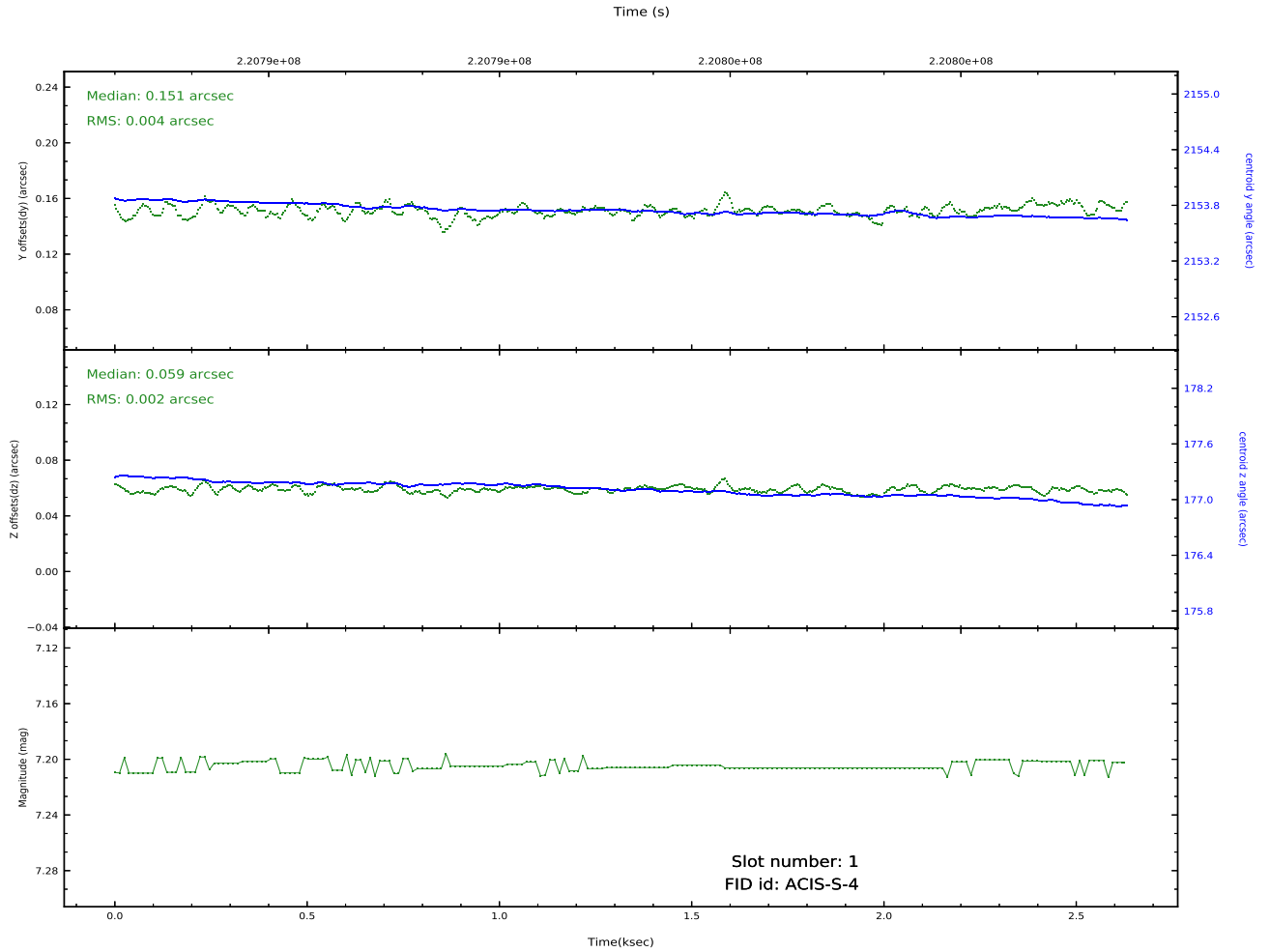
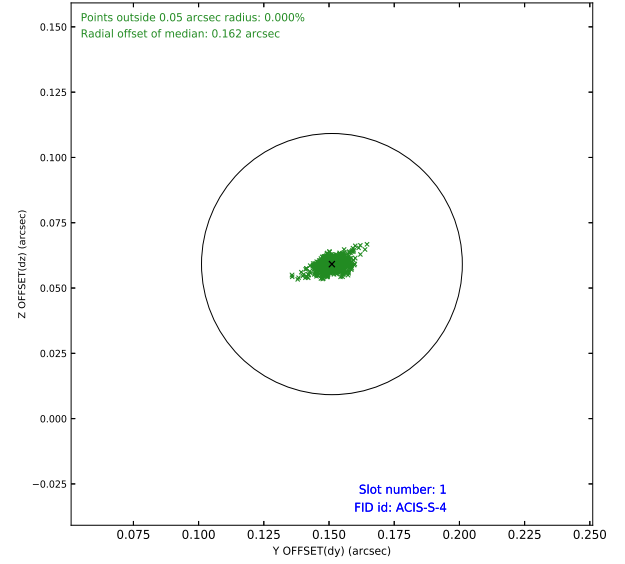
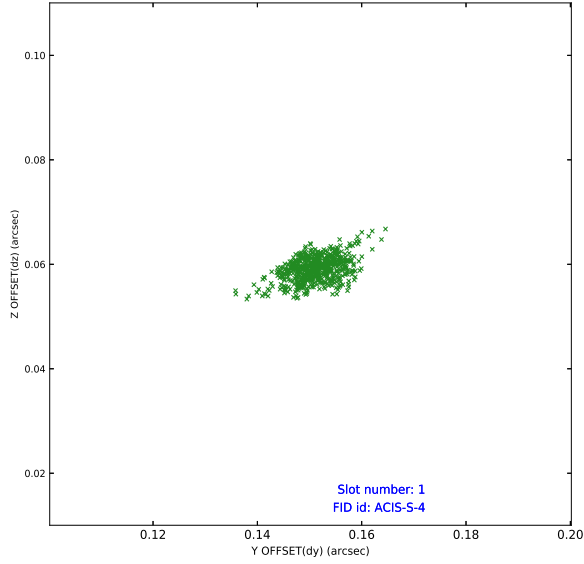


2.5 FID Slots

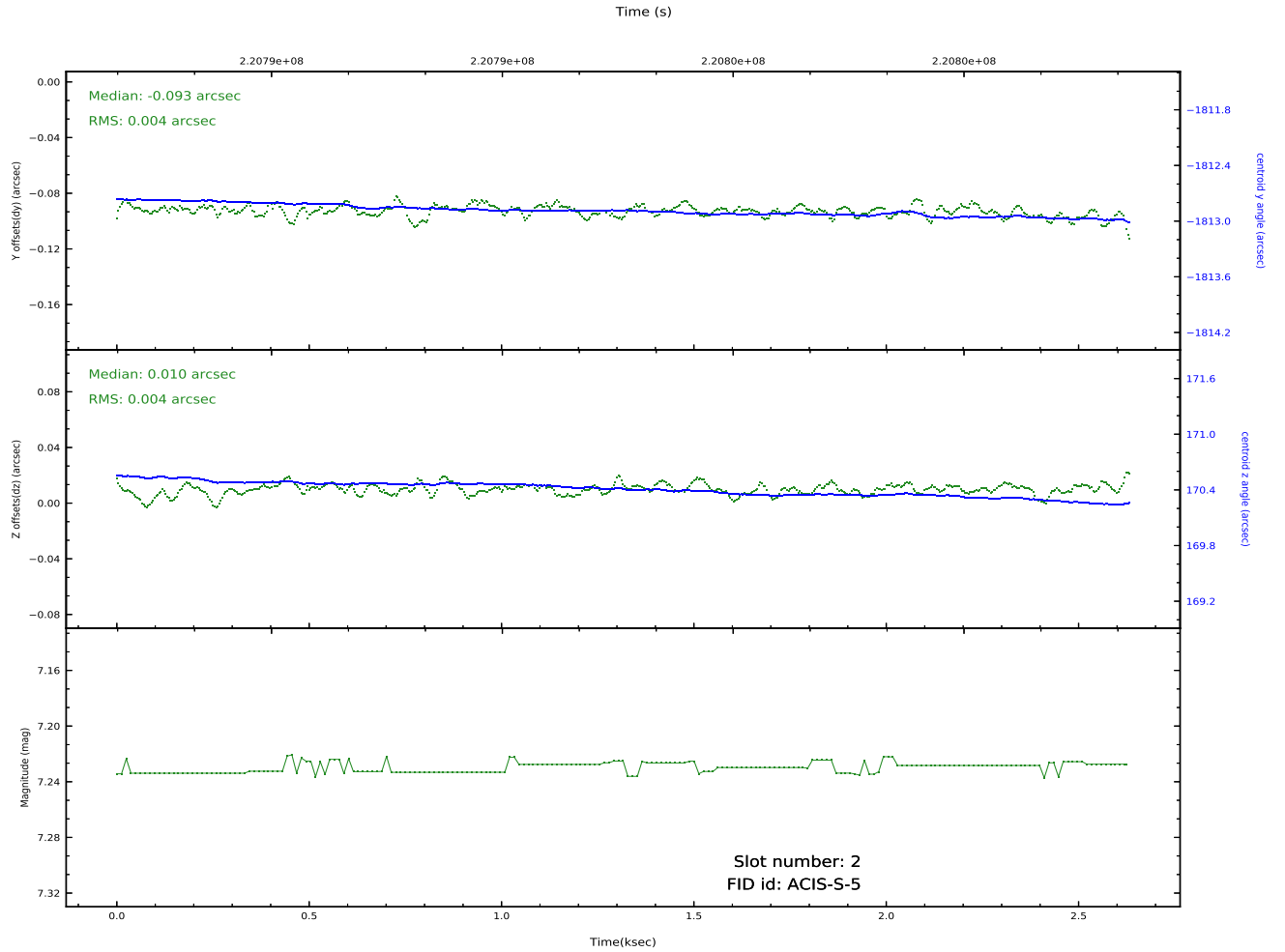
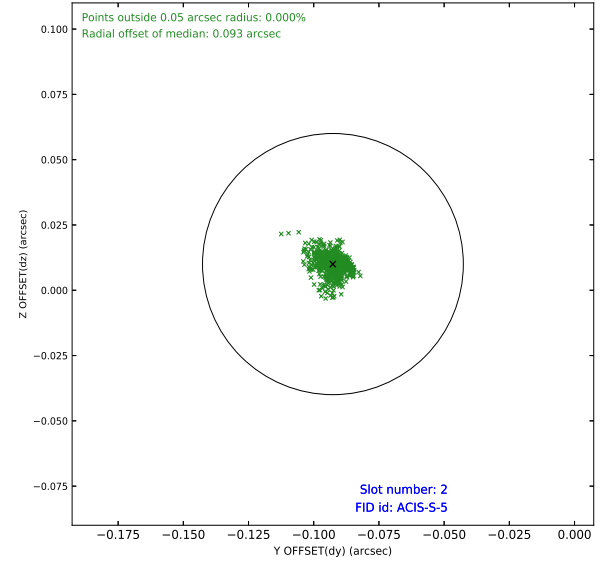
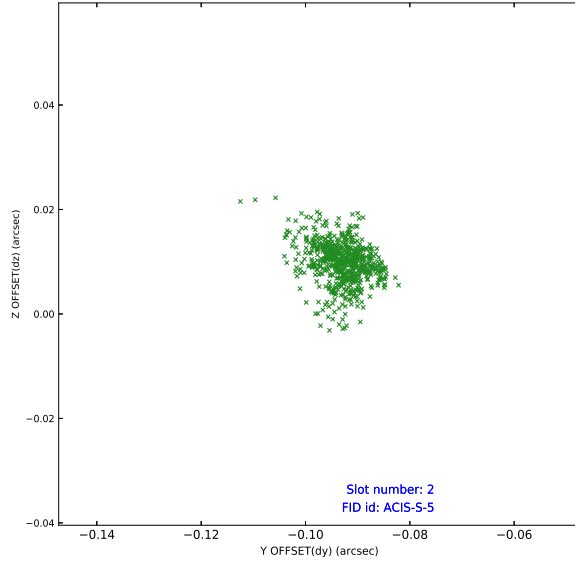
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.630399

A.2 Comments