

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6801 - L2 Version 3
Chandra X-Ray Center

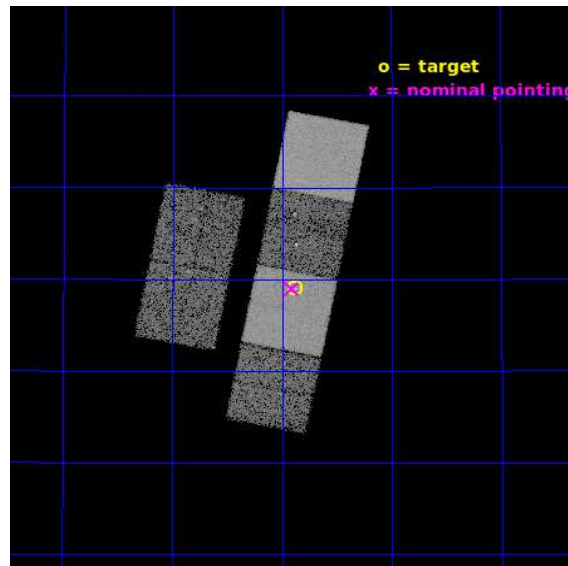
L2 Processing Date : Oct 12 2020

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1 Front

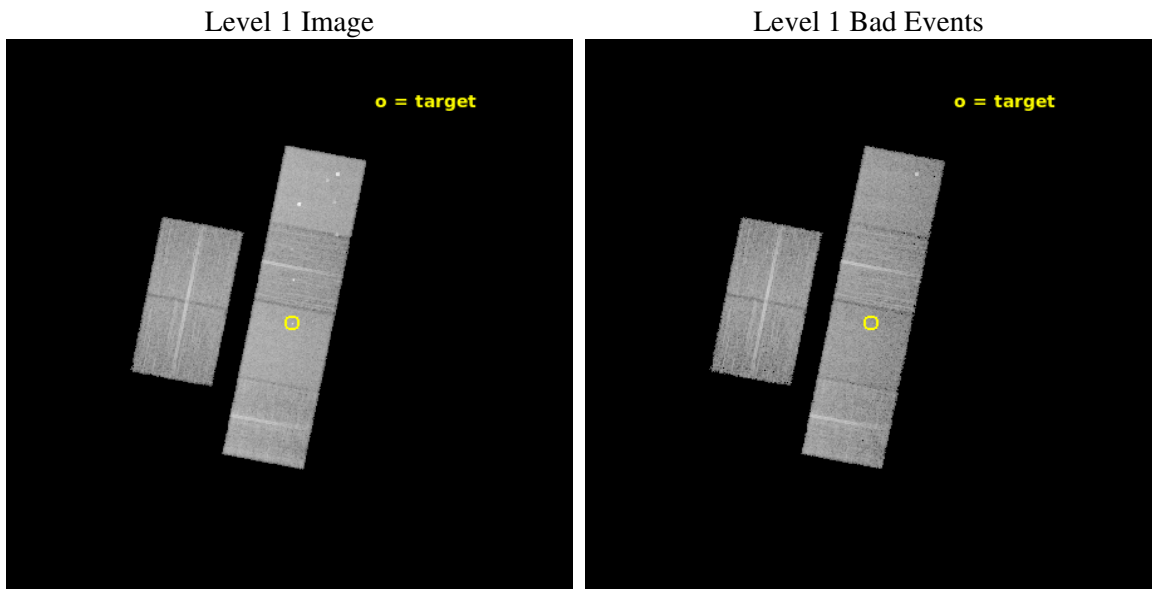
seq_num	701219	Sequence number
obs_id	6801	Observation id
title	X-ray Observations of Optically-Selected Type II Quasars	Proposal
observer	Prof. Michael Strauss	Principal investigator
object	SDSS J081253.10+401900.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.22125	Observer's specified target RA [deg]
dec_targ	40.316639	Observer's specified target Dec [deg]
ra_nom	123.22777614689	Nominal RA [deg]
dec_nom	40.316567224887	Nominal Dec [deg]
roll_nom	101.11749231275	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10015.999962687	Sum of GTIs [s]
livetime	9889.1713402488	Livetime [s]
ontime2	10015.999962687	Sum of GTIs [s]
ontime3	10015.999962687	Sum of GTIs [s]
ontime5	10015.999962687	Sum of GTIs [s]
ontime6	10015.999962687	Sum of GTIs [s]
ontime7	10015.999962687	Sum of GTIs [s]
ontime8	10015.999962687	Sum of GTIs [s]
l2events	131520	Number of level 2 events



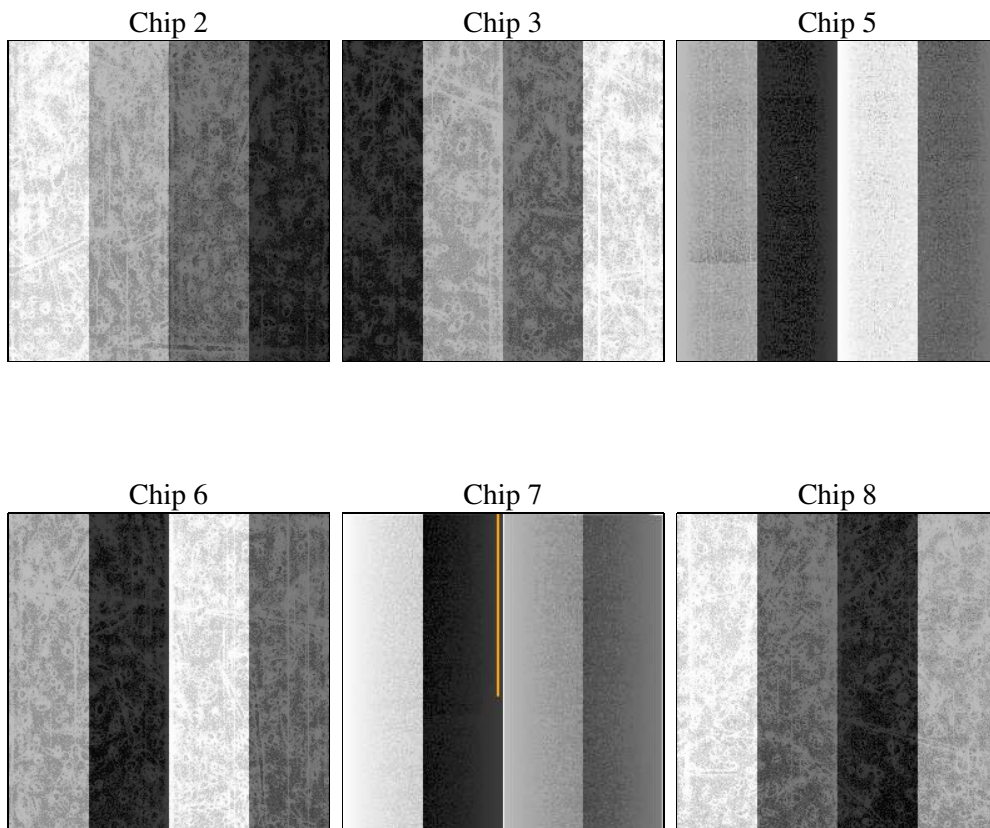
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10015.999962687	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	10015.999962687	Sum of GTIs [s]
date	2020-10-12T04:34:55	Date and time of file creation	ontime3	10015.999962687	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	10015.999962687	Sum of GTIs [s]
			ontime6	10015.999962687	Sum of GTIs [s]
			ontime7	10015.999962687	Sum of GTIs [s]
			ontime8	10015.999962687	Sum of GTIs [s]
			l1events	581629	Number of level 1 events

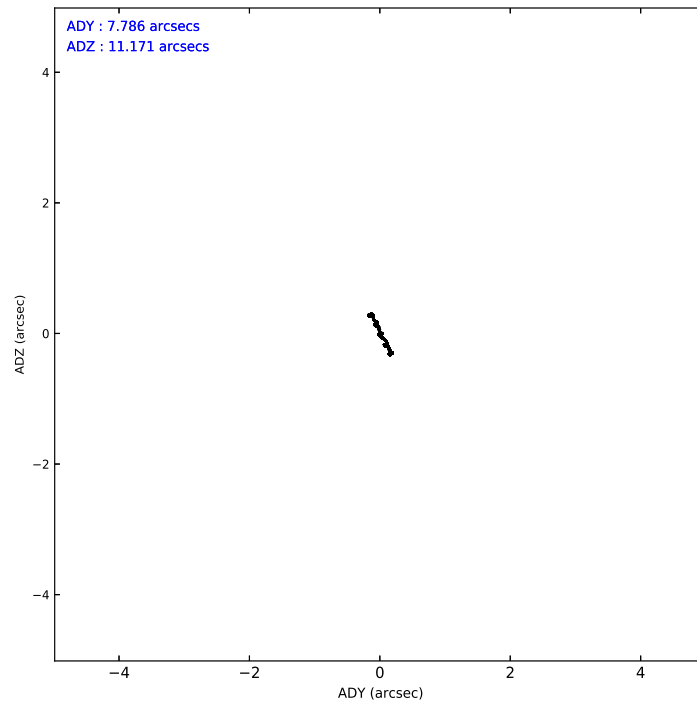
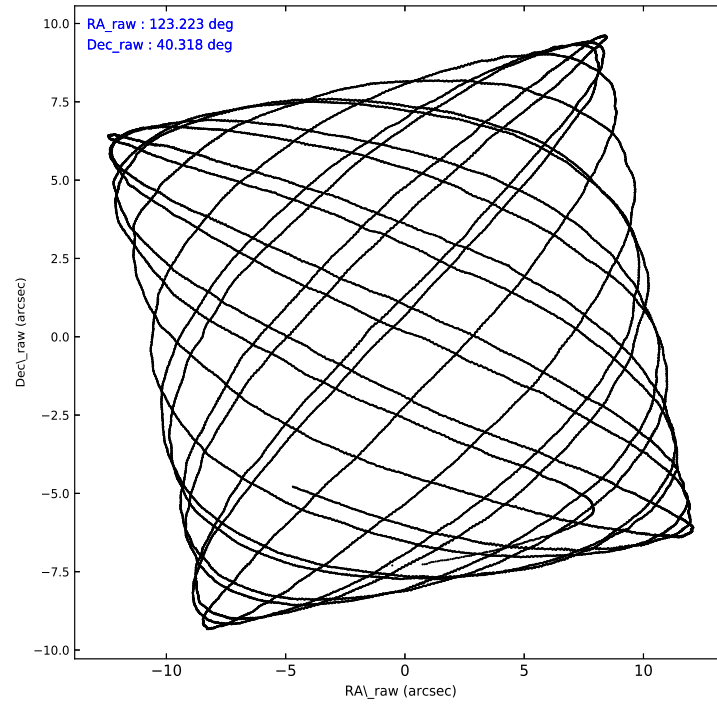
2.1.4 Events

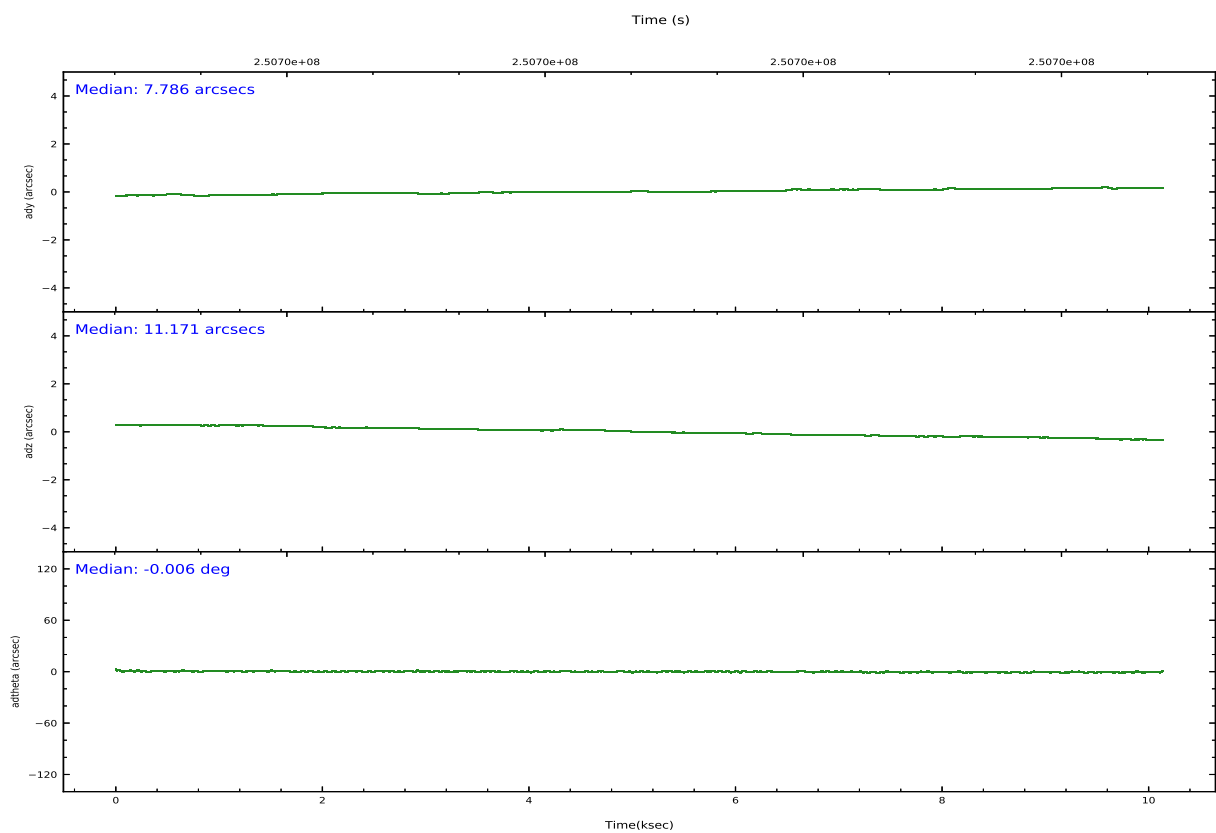
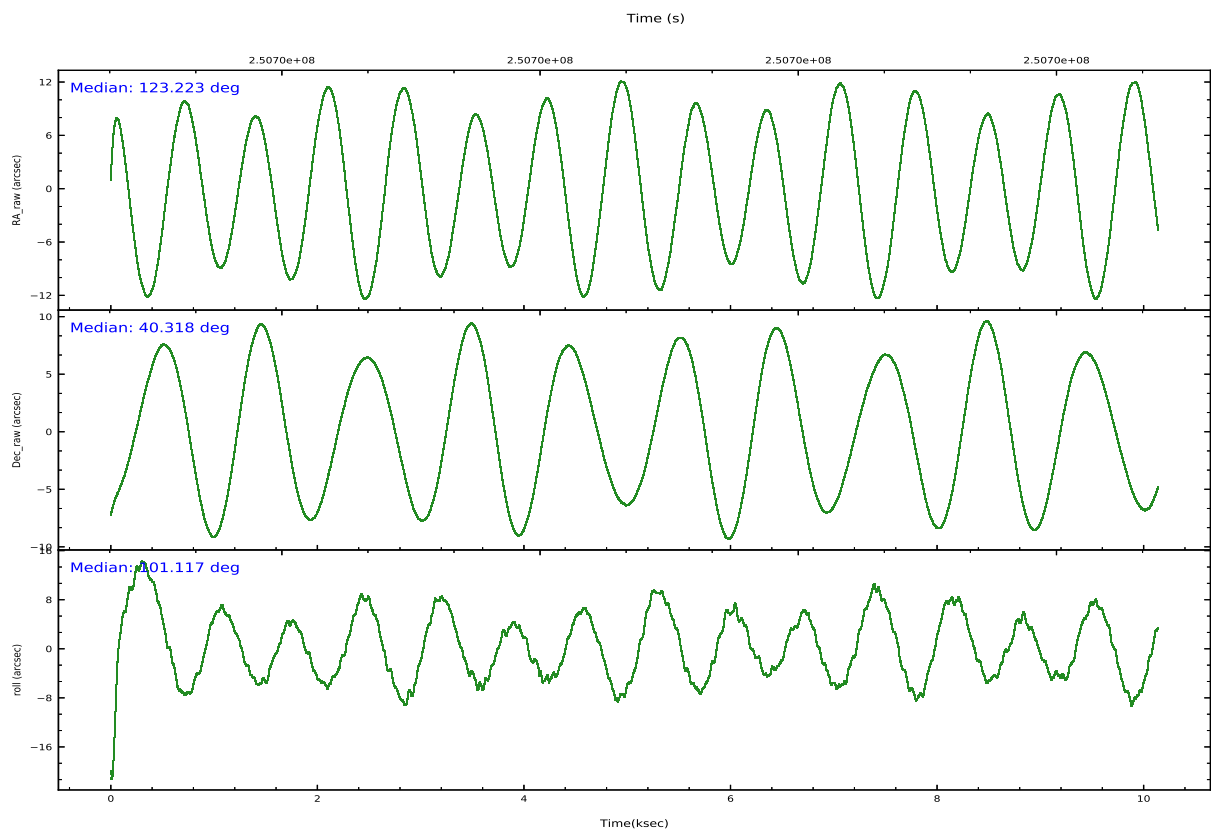
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	83564	76070	125275	83456	111377	101887	grade 0 events	4374	4192	7117	4442	4018	7033
rejected events	73788	66652	67135	73048	65805	79949		5%	5%	5%	5%	3%	6%
rejected %	88%	87%	53%	87%	59%	78%	grade 1 events	50	38	176	44	109	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	2040	1775	17166	2187	9002	4874
								2%	2%	13%	2%	8%	4%
							grade 3 events	896	893	2114	929	3984	2377
								1%	1%	1%	1%	3%	2%
							grade 4 events	867	906	2068	914	3920	2232
								1%	1%	1%	1%	3%	2%
							grade 5 events	3163	3650	9107	3871	10670	4865
								3%	4%	7%	4%	9%	4%
							grade 6 events	1599	1656	29690	1937	24663	5424
								1%	2%	23%	2%	22%	5%
							grade 7 events	70575	62960	57837	69132	55011	75015
								84%	82%	46%	82%	49%	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	123.246930	123.22777614689	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.297905	40.316567224887	Alternating exposures requested	N	N
[deg] Pointing Roll	100.946991	101.11749231275	[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)	250695984.184000	250694992.68422			
Observation start date	2005-12-11T13:45:20	2005-12-11T13:29:52			
[s] Observation end time (MET)	250705984.184000	250707500.2473			
Observation end date	2005-12-11T16:32:00	2005-12-11T16:58:20			
Read mode	TIMED	TIMED			

2.3 Aspect



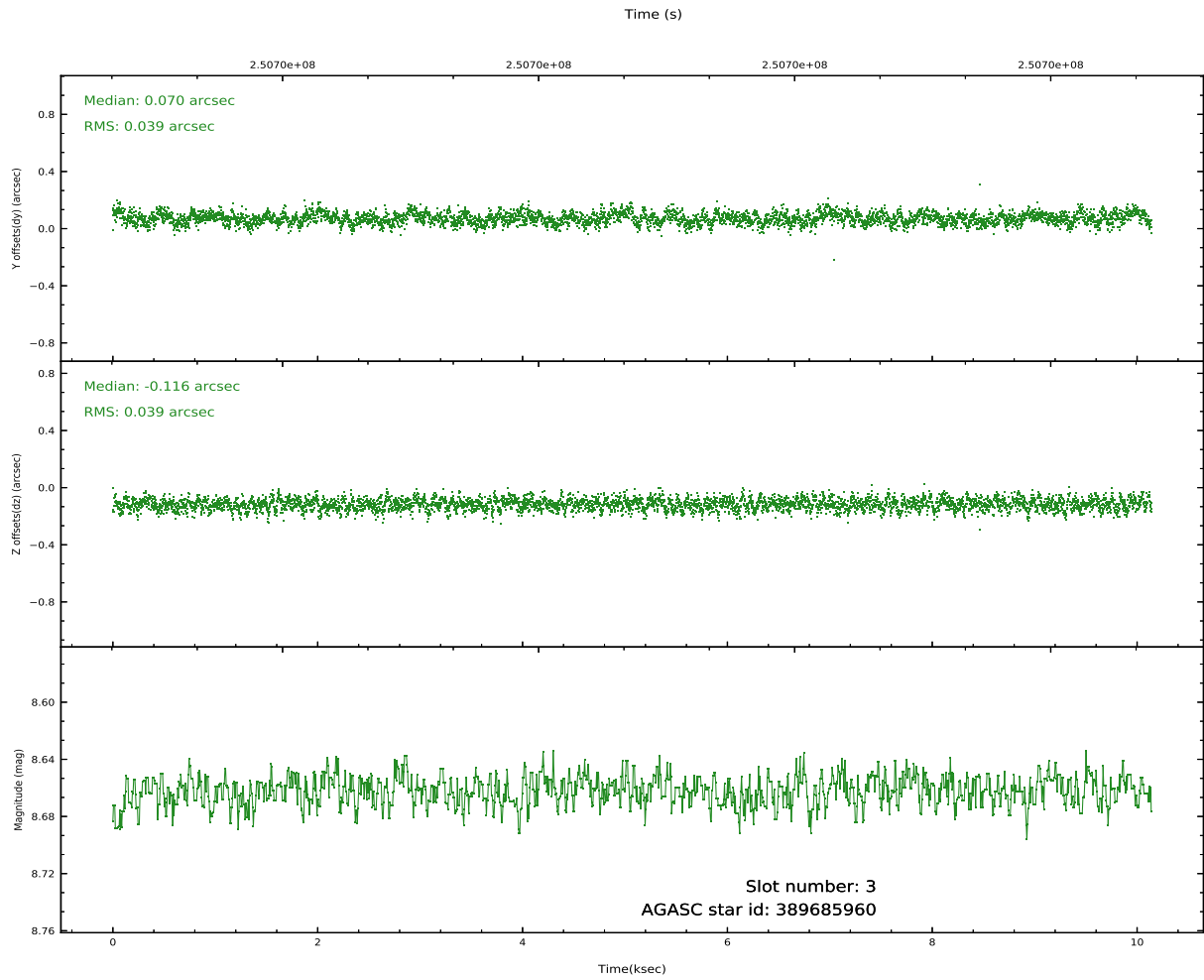
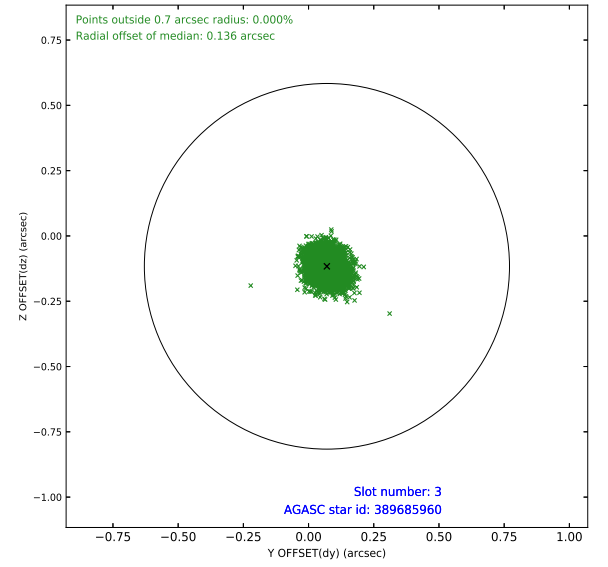
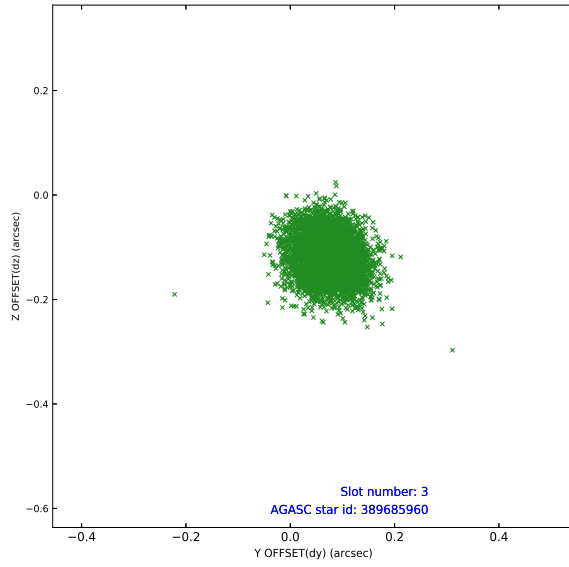


Slot Statistics

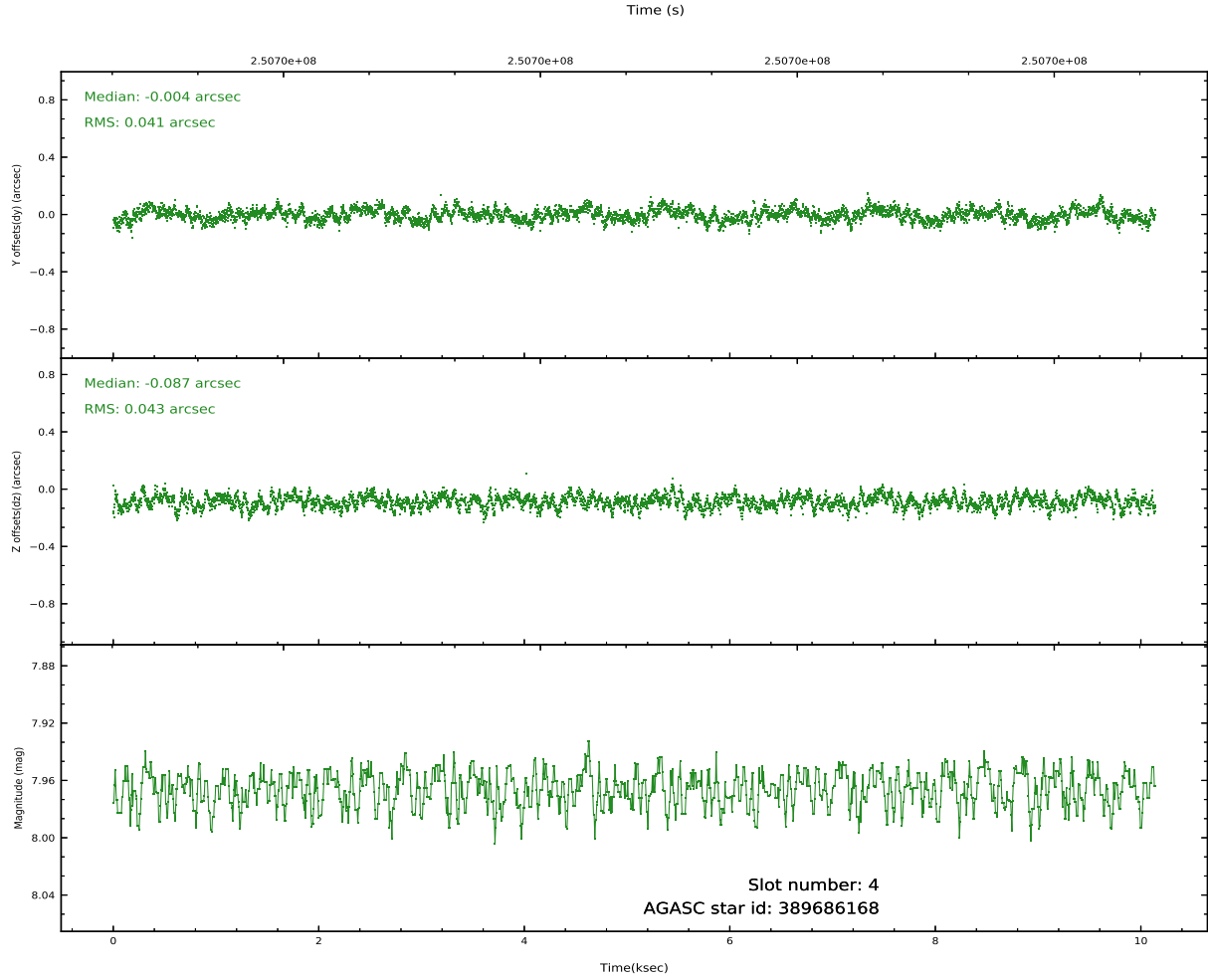
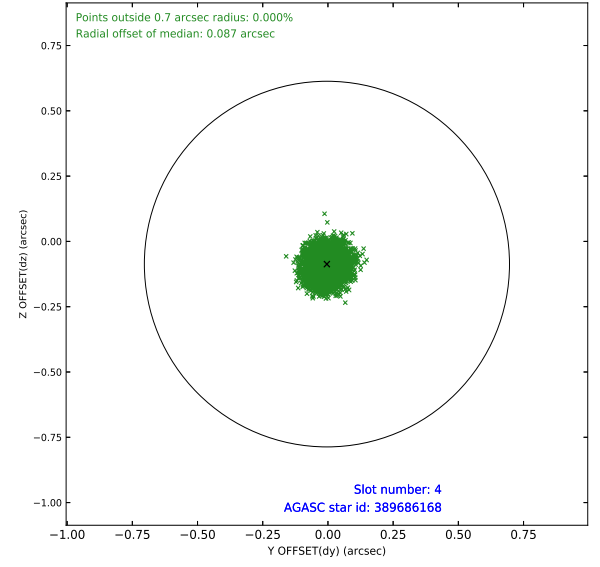
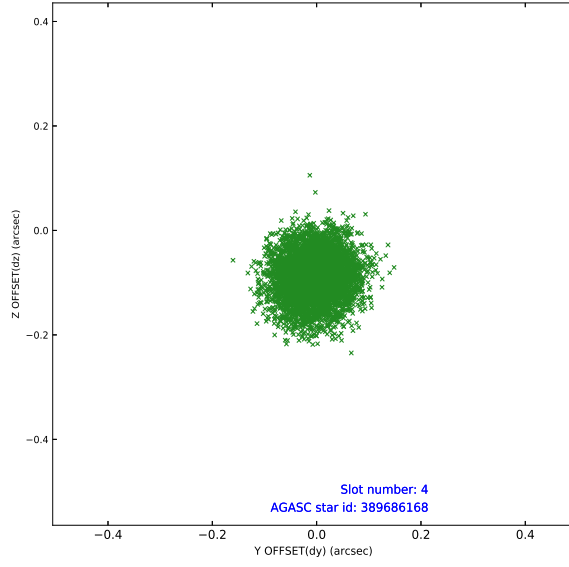
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2474	1.000	-0.021	-0.069	0.007	0.011	0.000000	0.000000	-760.54	-1732
1	FID		ACIS-S-5	7.24	2474	1.000	-0.085	0.005	0.008	0.012	0.000000	0.000000	-1814.01	168
2	FID		ACIS-S-6	7.35	2474	1.000	0.081	0.072	0.009	0.015	0.000000	0.000000	400.53	813
3	GUIDE	used	389685960	8.66	4945	1.000	0.070	-0.116	0.059	0.095	122.582456	39.989454	-735.54	2008
4	GUIDE	used	389686168	7.97	4947	1.000	-0.004	-0.087	0.065	0.102	123.299427	39.987029	-1126.26	70
5	GUIDE	used	390088456	9.19	4942	1.000	-0.019	-0.004	0.081	0.128	122.464191	40.738308	1971.11	1793
6	GUIDE	used	390211688	8.19	4946	1.000	-0.007	0.143	0.069	0.110	124.053502	40.333325	-284.47	-2198
7	GUIDE	used	390212912	8.14	4946	1.000	-0.039	0.069	0.058	0.095	123.725162	40.578543	747.33	-1476

2.4 Star Slots

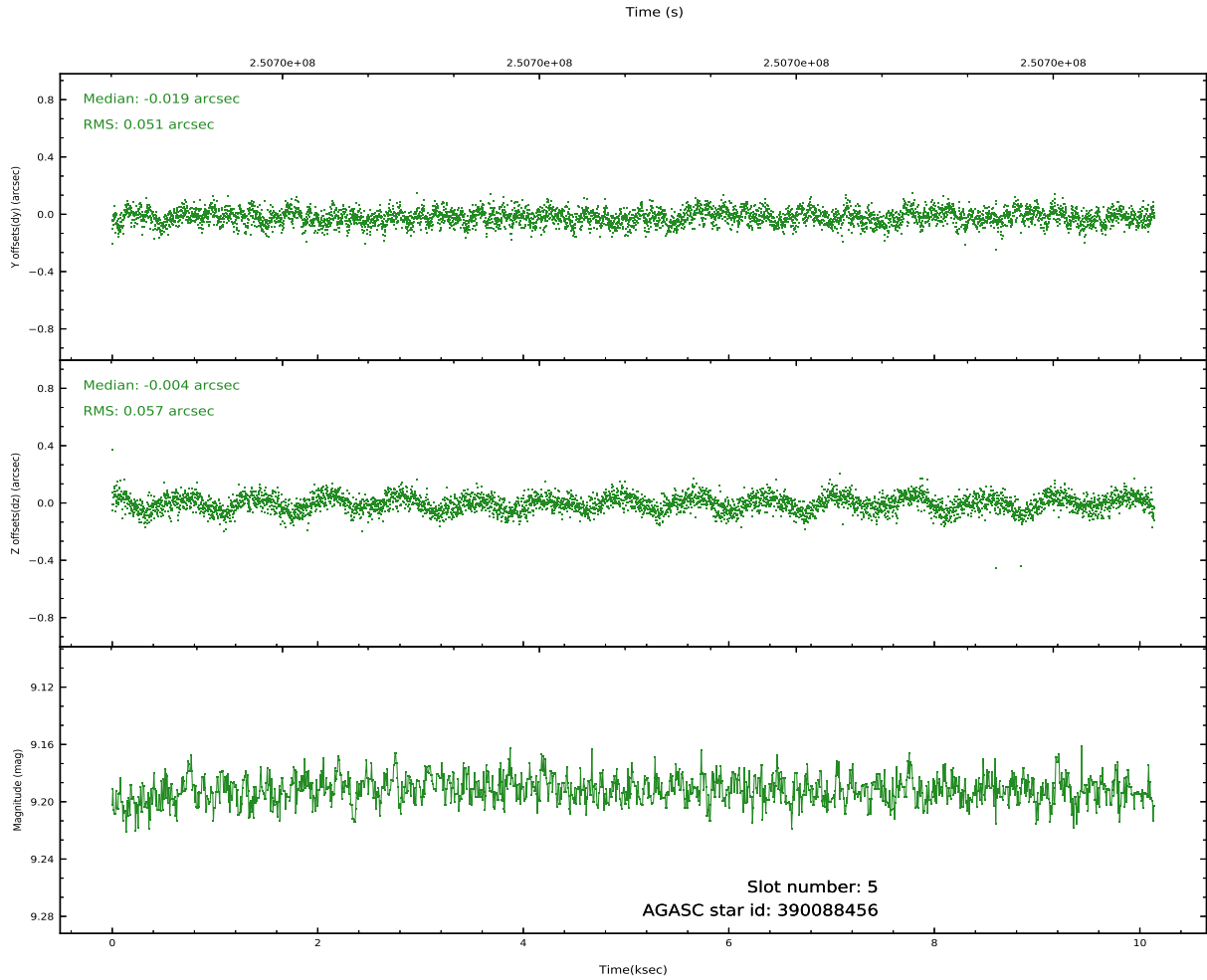
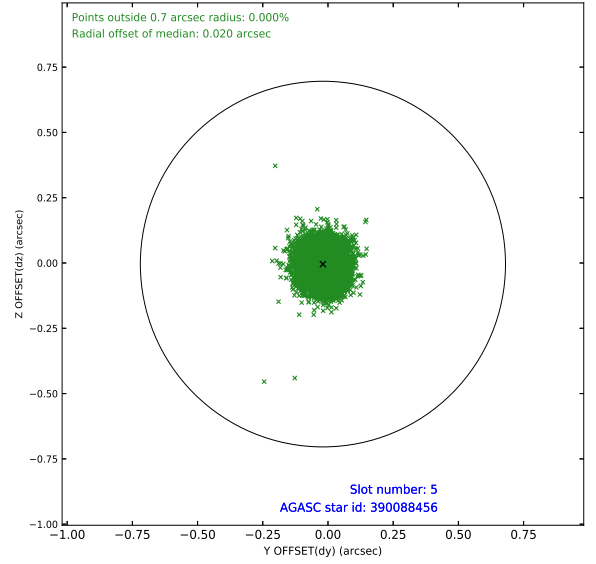
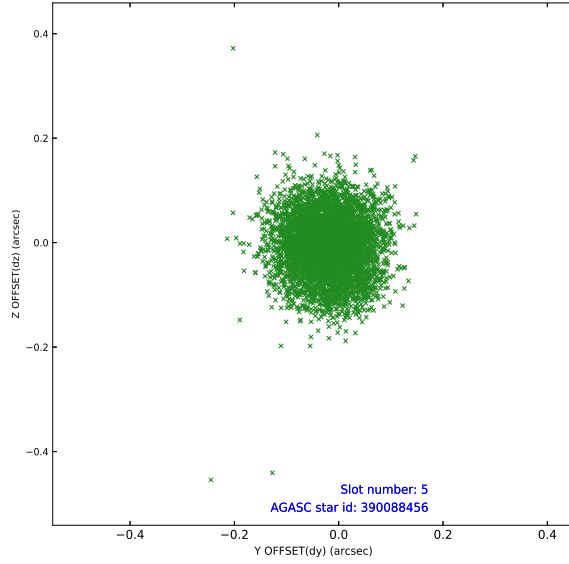
2.4.1 Slot 3



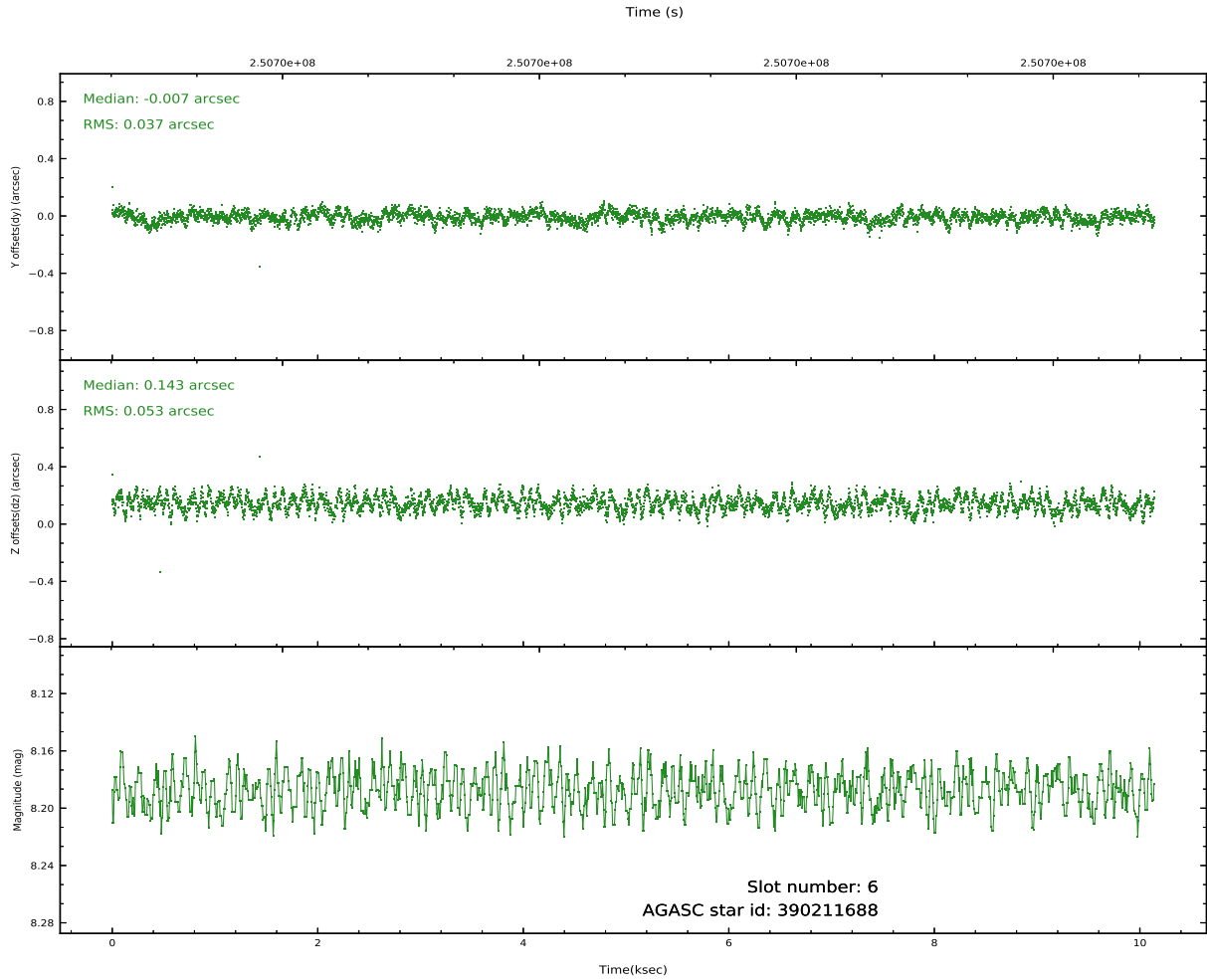
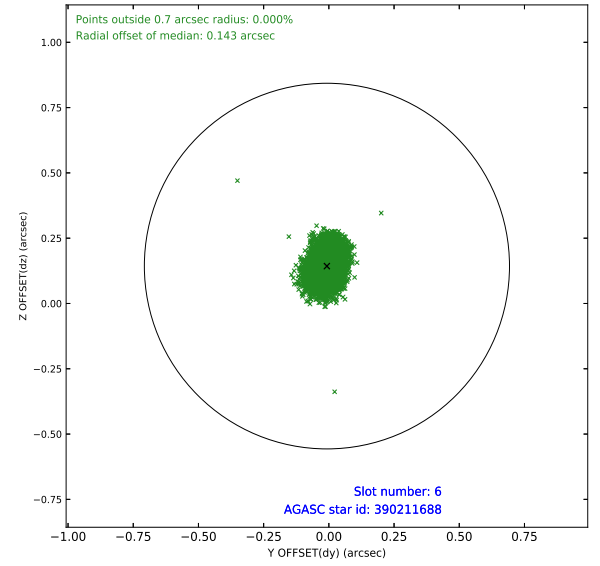
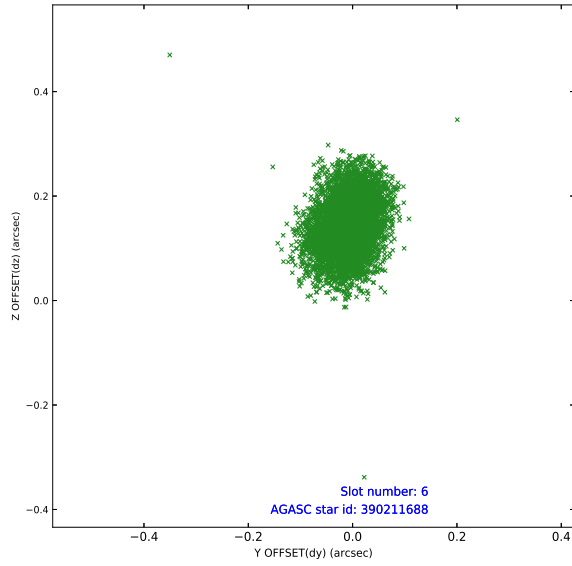
2.4.2 Slot 4



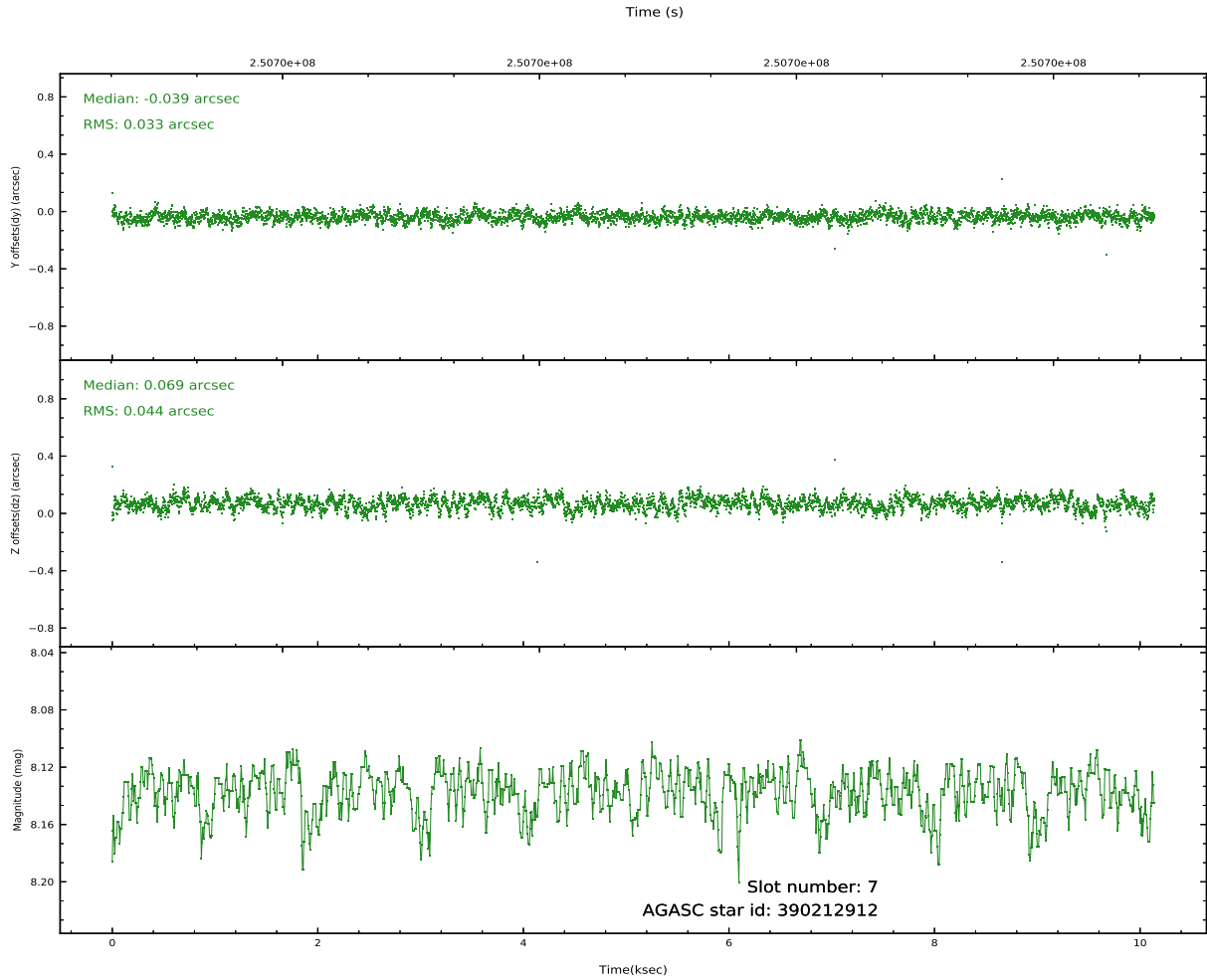
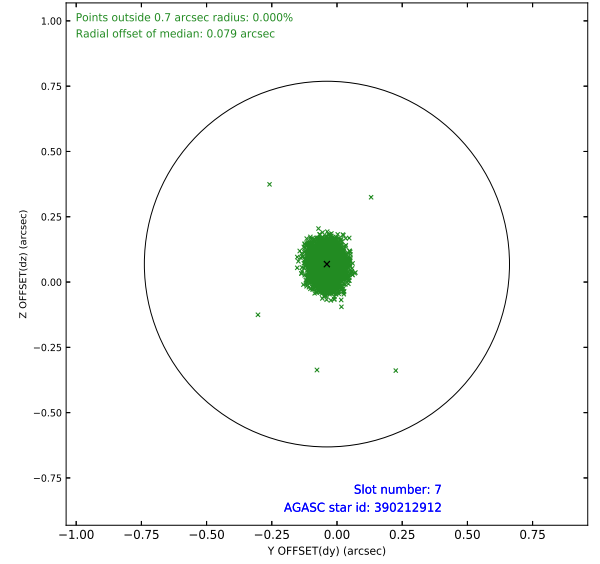
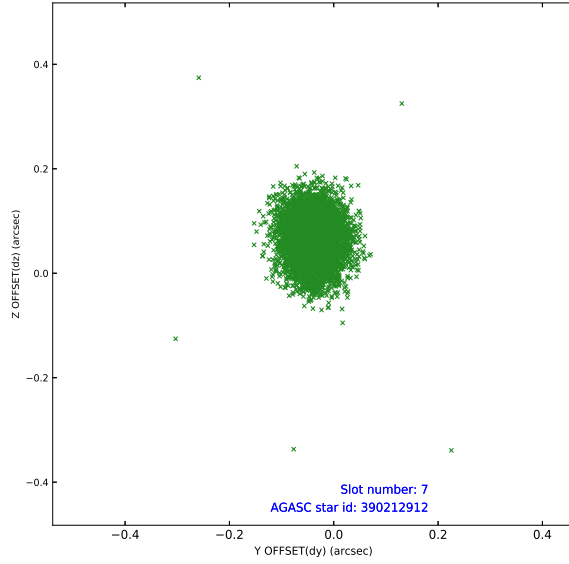
2.4.3 Slot 5



2.4.4 Slot 6

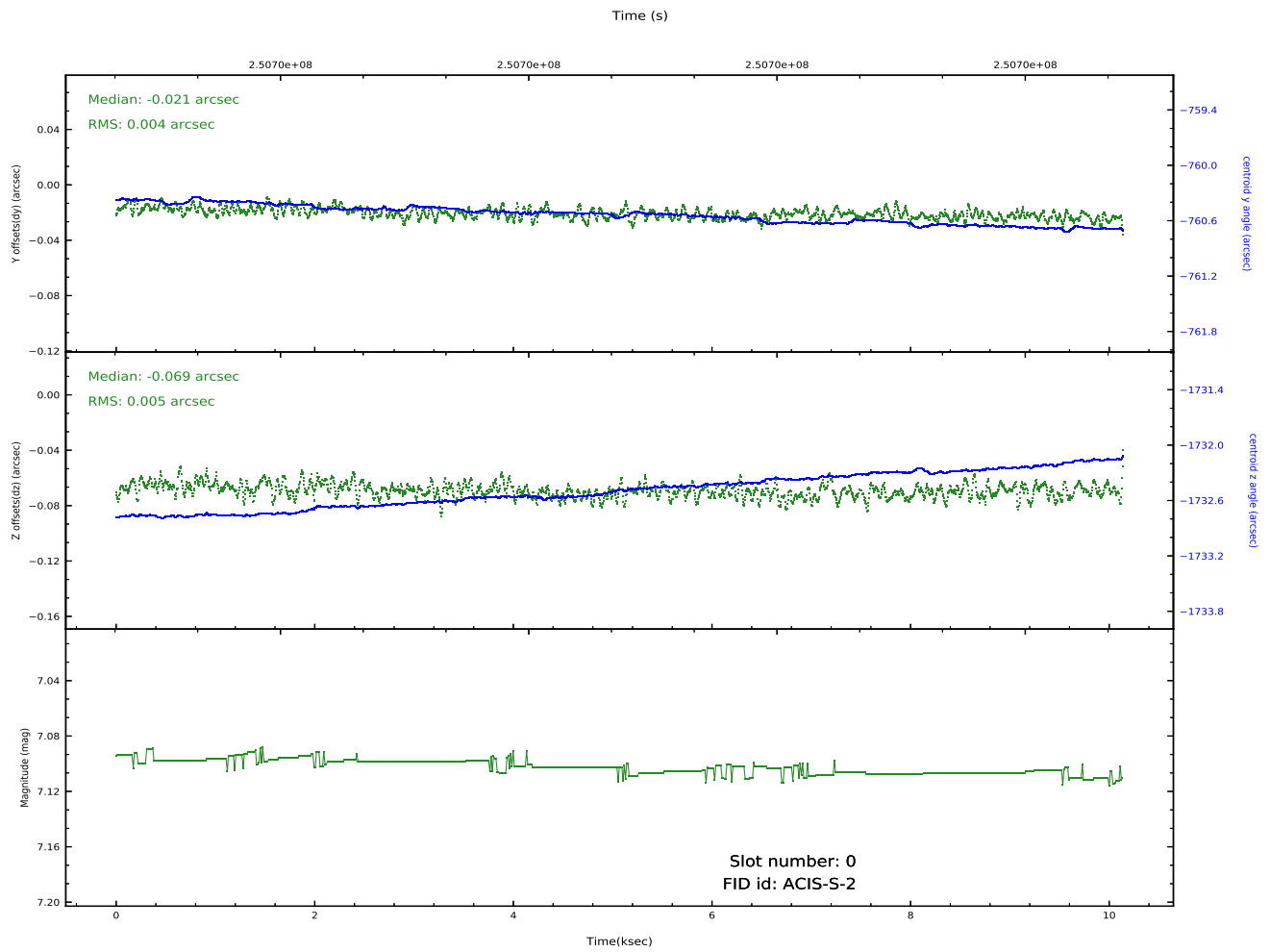
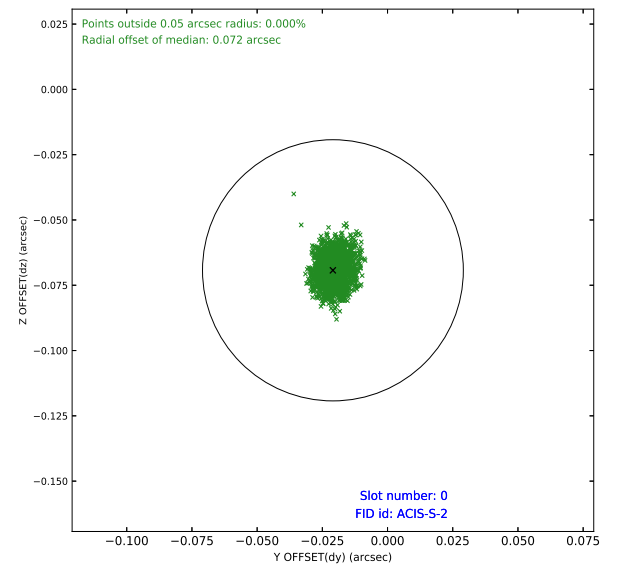
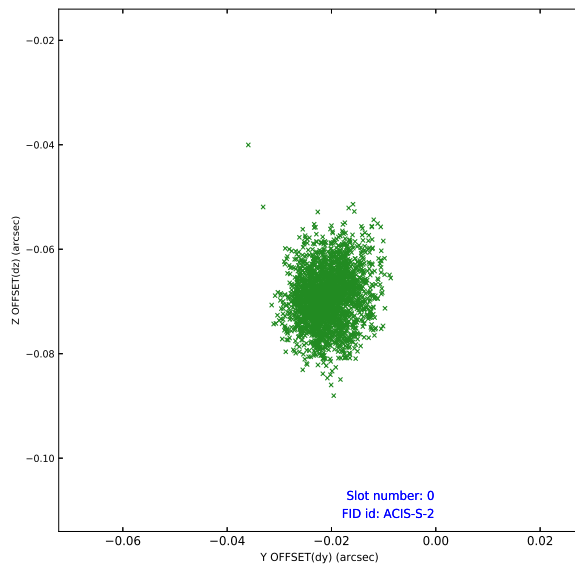


2.4.5 Slot 7

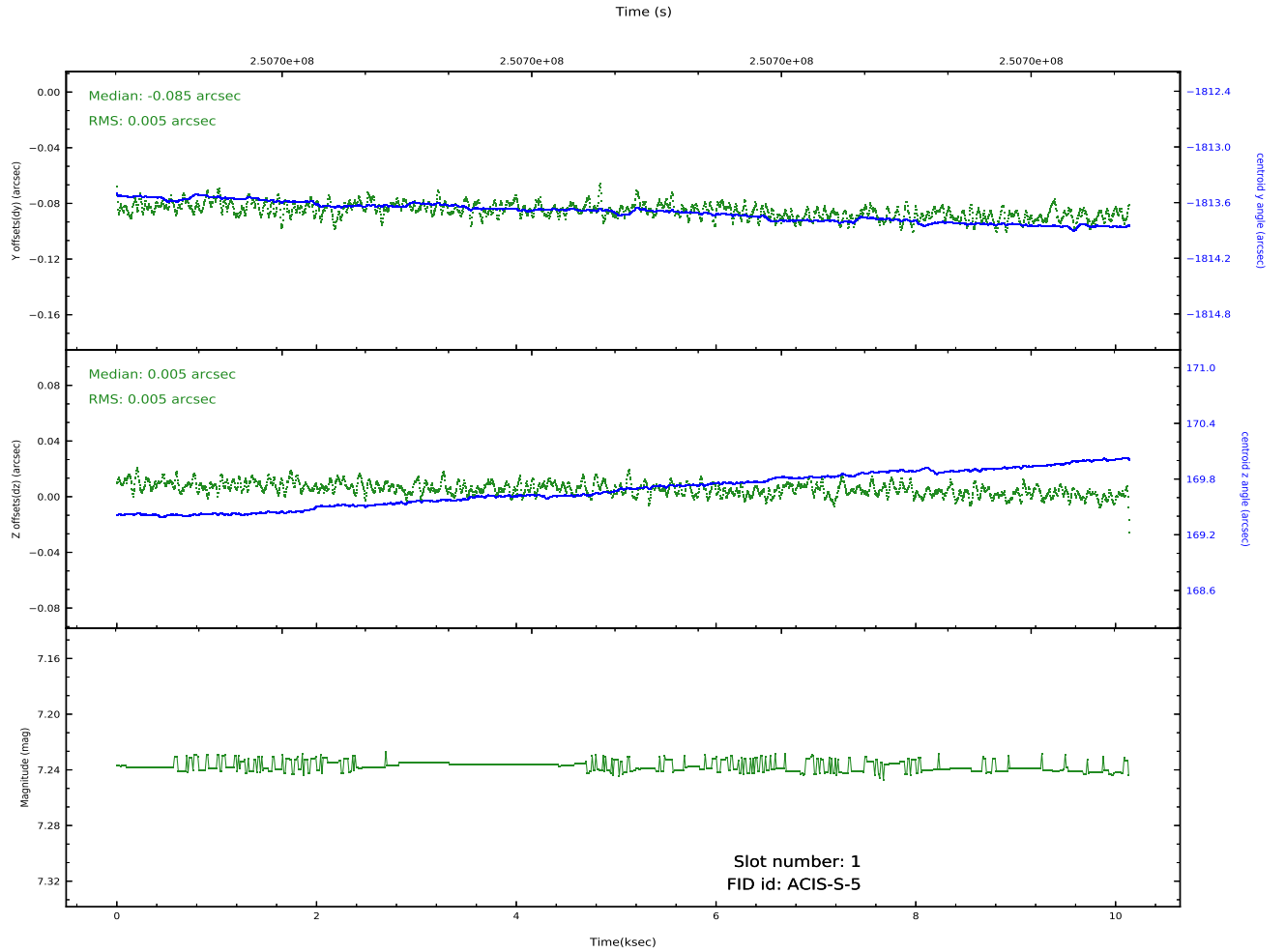
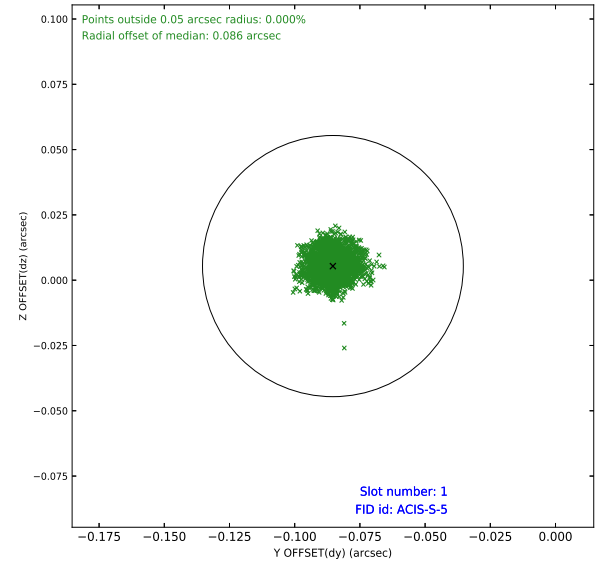
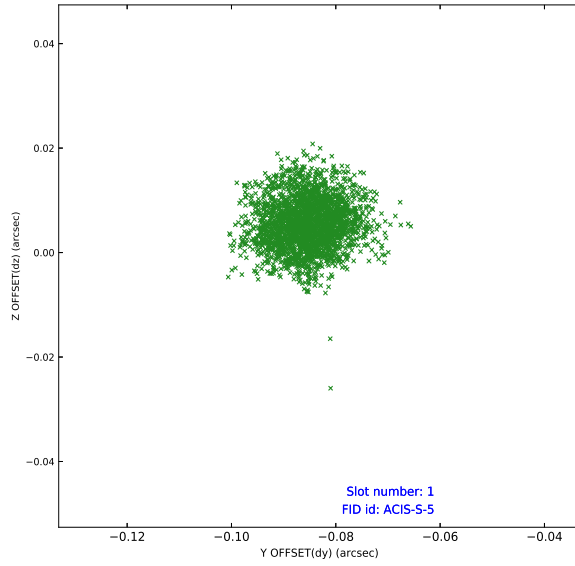


2.5 FID Slots

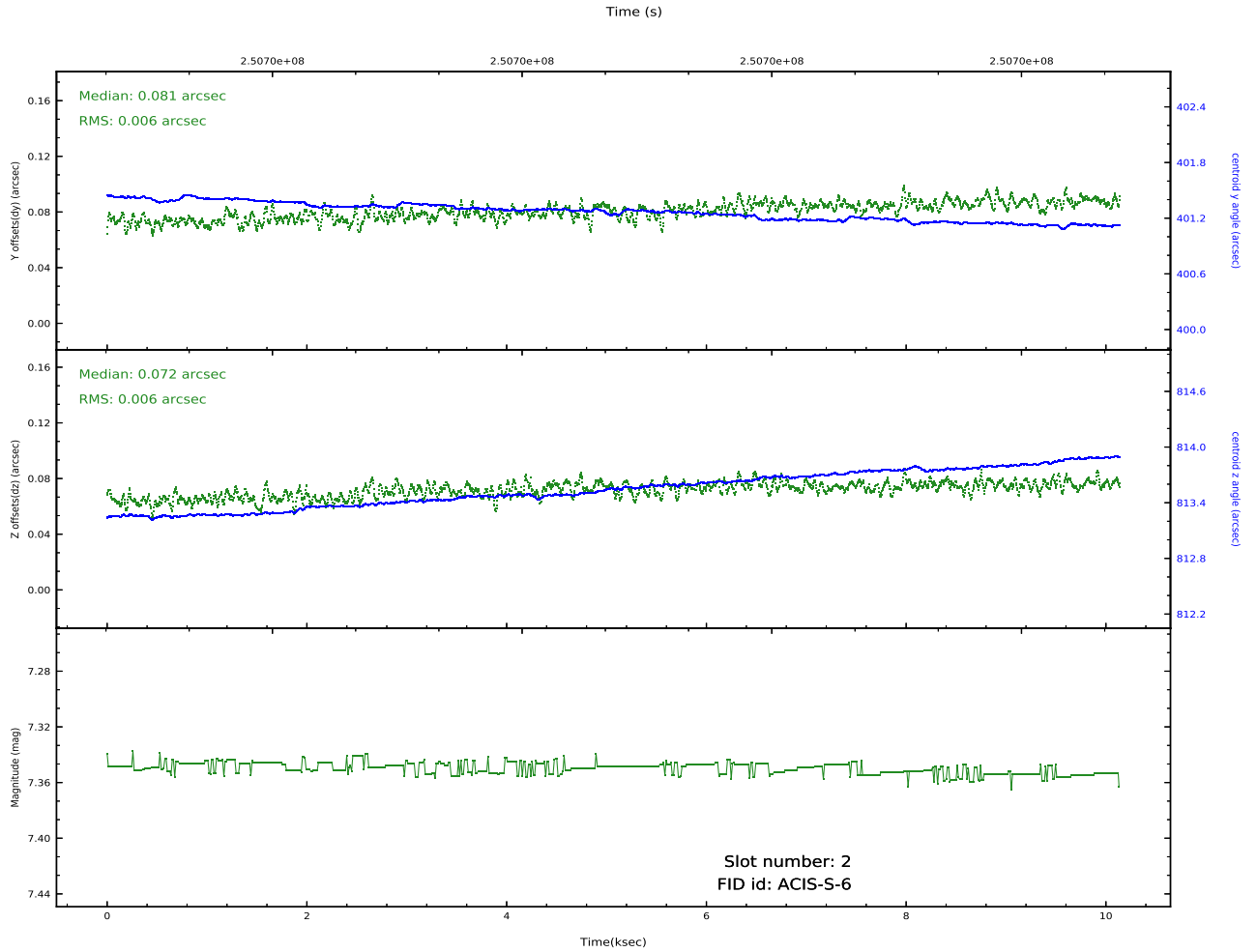
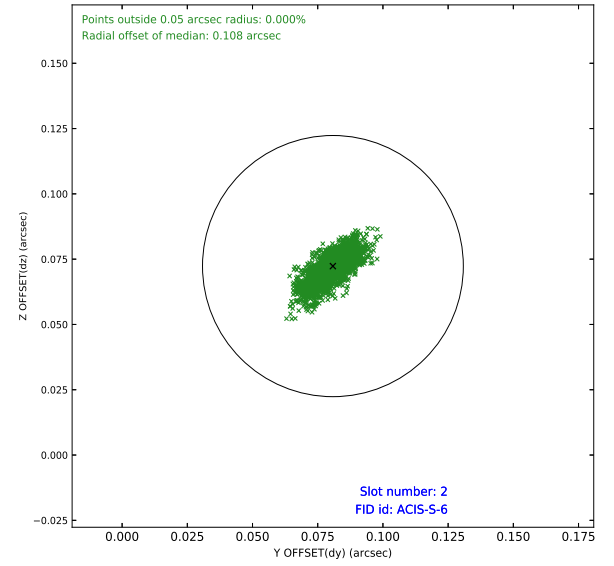
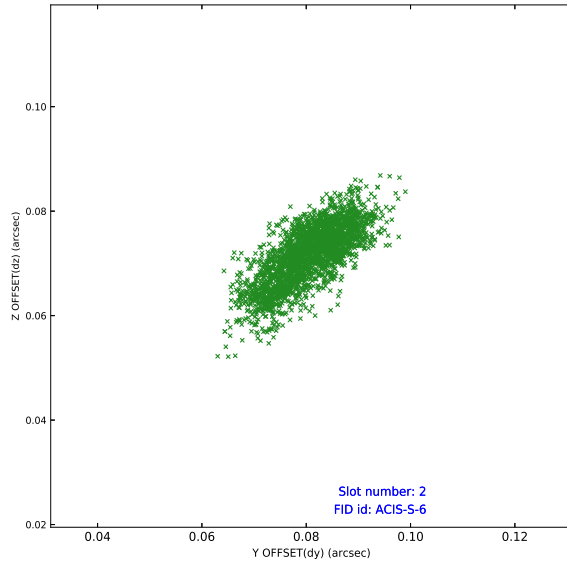
2.5.1 Slot 0



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)	2020.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.01599

A.2 Comments