

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4711 - L2 Version 4
Chandra X-Ray Center

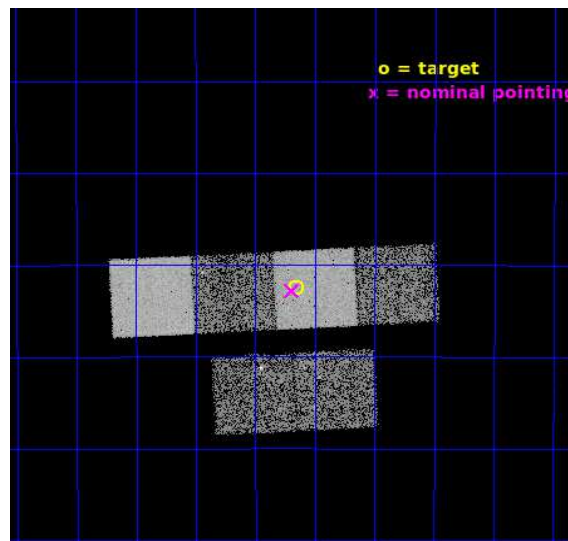
L2 Processing Date : Oct 2 2020

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1 Front

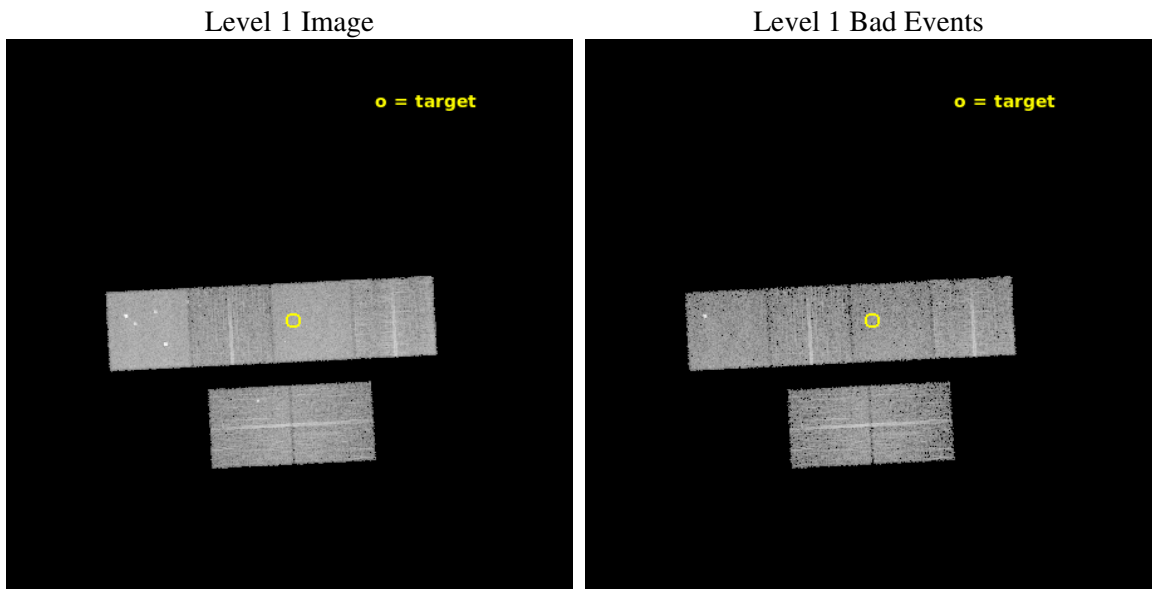
seq_num	600366	Sequence number
obs_id	4711	Observation id
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II	Proposal title
observer	Thomas Maccarone	Principal investigator
object	SCULPTOR DWARF SPHEROIDAL	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.039167	Observer's specified target RA [deg]
dec_targ	-33.708889	Observer's specified target Dec [deg]
ra_nom	15.048442150246	Nominal RA [deg]
dec_nom	-33.713573507655	Nominal Dec [deg]
roll_nom	356.99276313218	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5955.1999778152	Sum of GTIs [s]
livetime	5879.7916499051	Livetime [s]
ontime2	5955.1999778152	Sum of GTIs [s]
ontime3	5955.1999778152	Sum of GTIs [s]
ontime5	5955.1999778152	Sum of GTIs [s]
ontime6	5955.1999778152	Sum of GTIs [s]
ontime7	5955.1999778152	Sum of GTIs [s]
ontime8	5955.1999778152	Sum of GTIs [s]
l2events	74659	Number of level 2 events



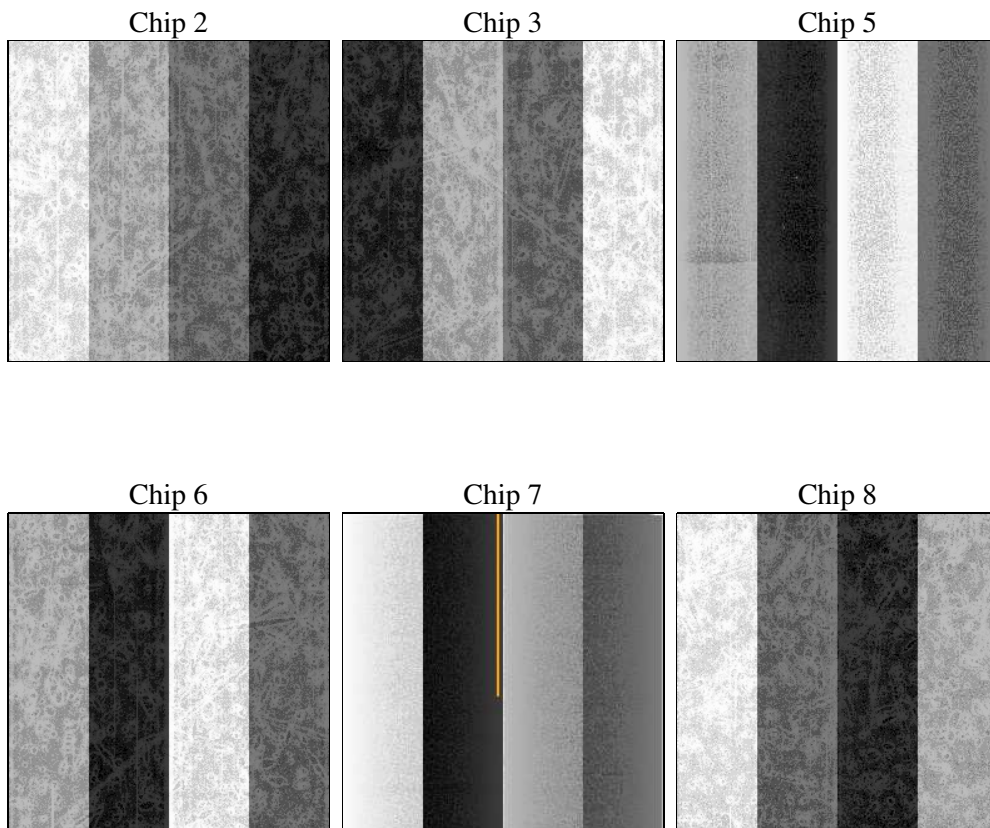
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5955.1999778152	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	5955.1999778152	Sum of GTIs [s]
date	2020-10-03T00:33:03	Date and time of file creation	ontime3	5955.1999778152	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	5955.1999778152	Sum of GTIs [s]
			ontime6	5955.1999778152	Sum of GTIs [s]
			ontime7	5955.1999778152	Sum of GTIs [s]
			ontime8	5955.1999778152	Sum of GTIs [s]
			l1events	332813	Number of level 1 events

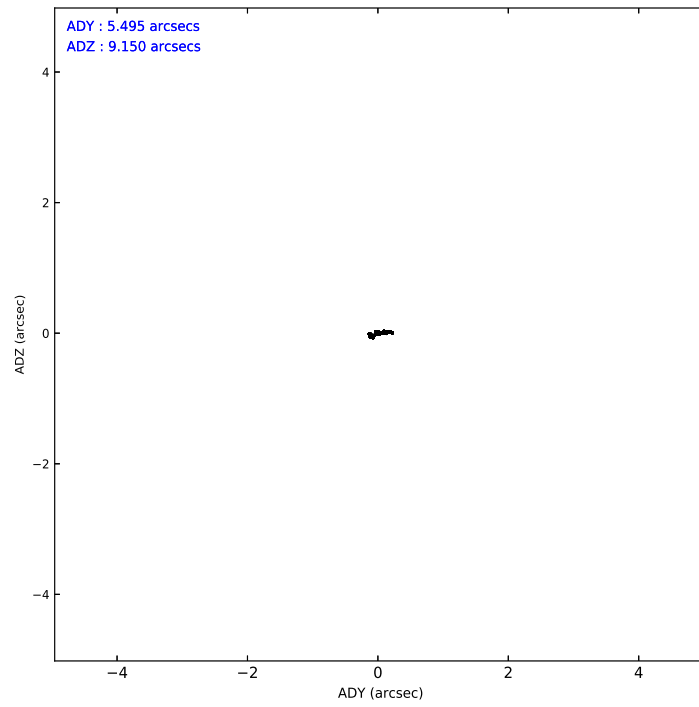
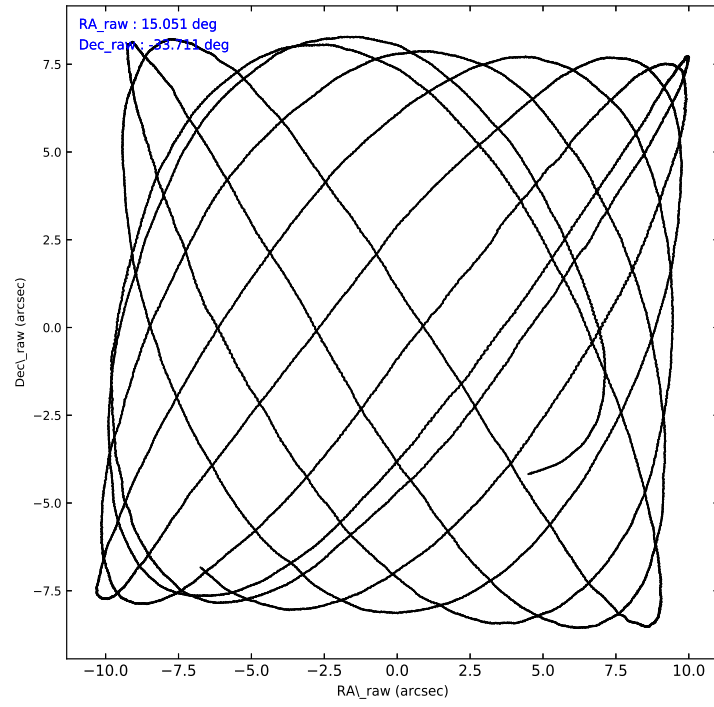
2.1.4 Events

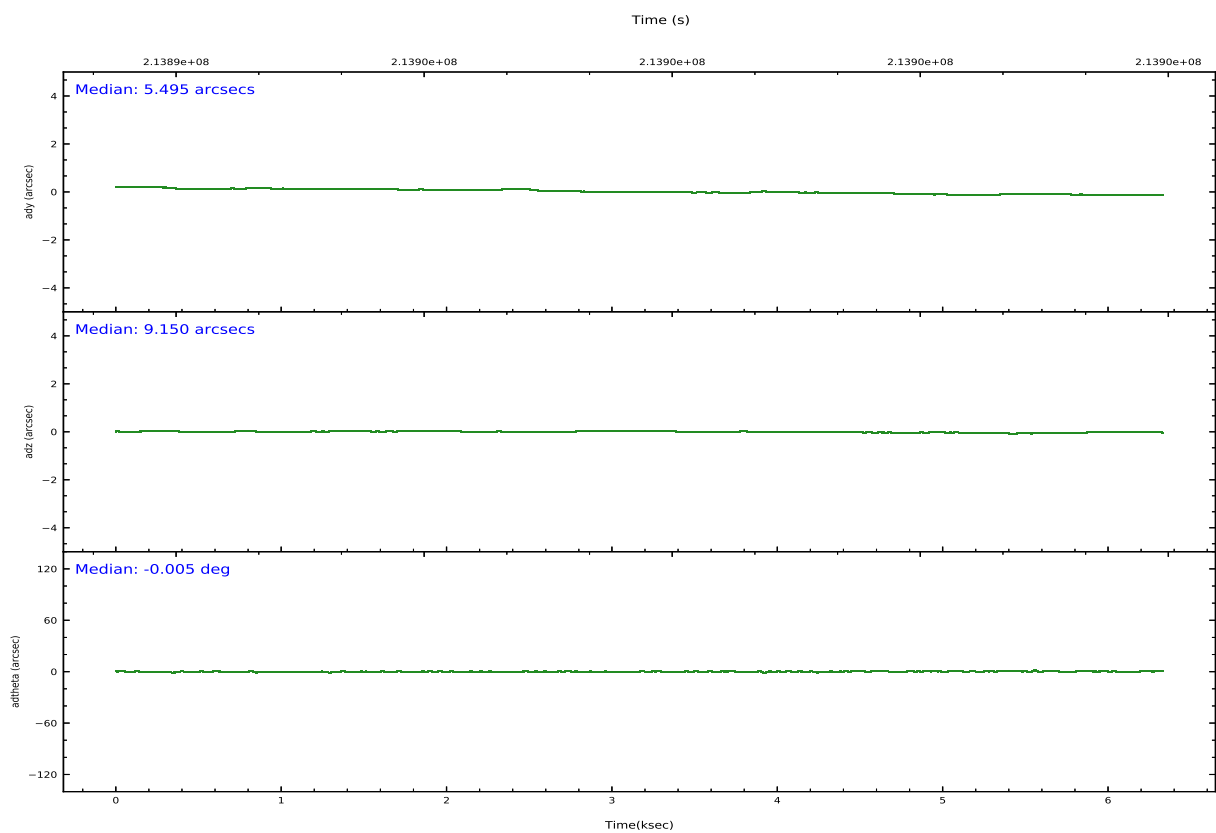
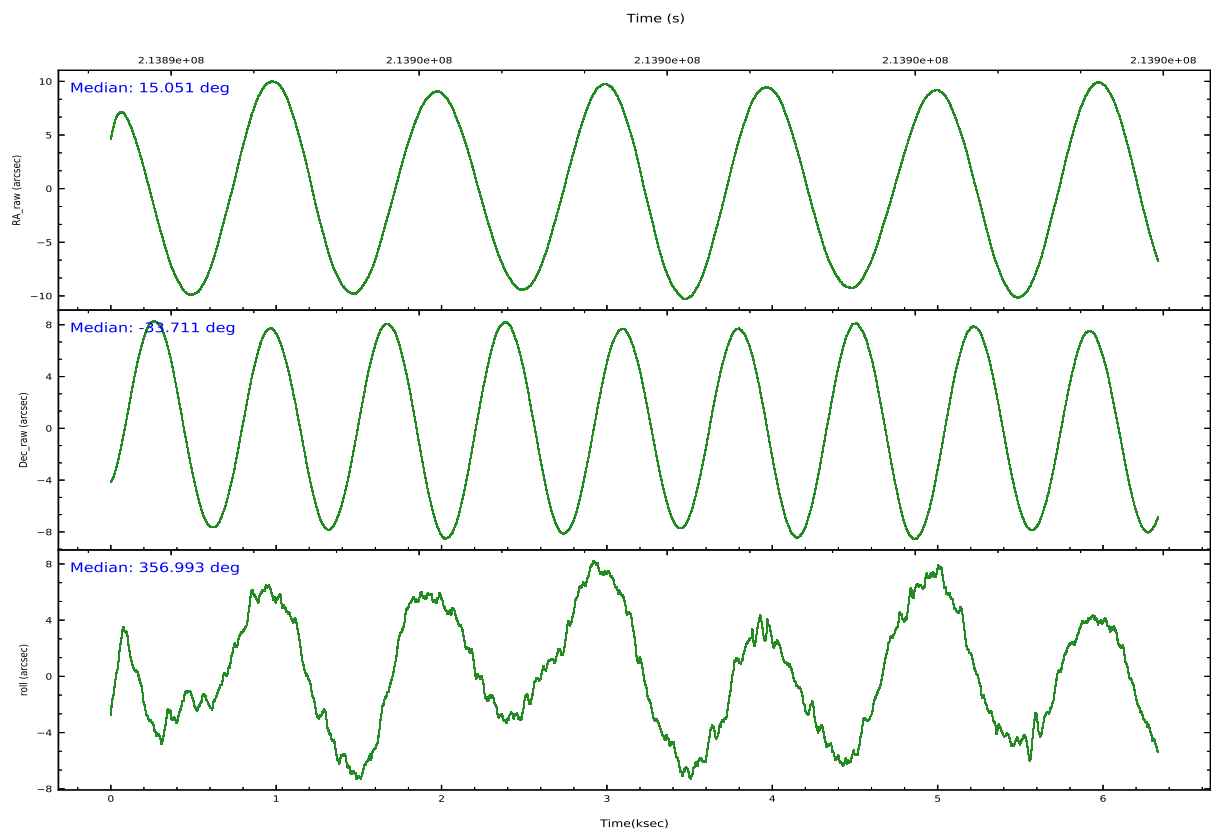
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47777	43789	72923	46590	62854	58880	grade 0 events	2685	2461	4807	2218	2249	4168
rejected events	41974	38393	38917	40932	36959	46055		5%	5%	6%	4%	3%	7%
rejected %	87%	87%	53%	87%	58%	78%	grade 1 events	30	23	97	25	64	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	1136	974	9857	1250	5094	2813
								2%	2%	13%	2%	8%	4%
							grade 3 events	528	509	1259	571	2316	1347
								1%	1%	1%	1%	3%	2%
							grade 4 events	539	491	1225	523	2348	1282
								1%	1%	1%	1%	3%	2%
							grade 5 events	1807	1979	5079	2188	6001	2731
								3%	4%	6%	4%	9%	4%
							grade 6 events	919	965	16873	1097	13899	3220
								1%	2%	23%	2%	22%	5%
							grade 7 events	40133	36387	33726	38718	30883	43292
								84%	83%	46%	83%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.021515	15.048442150246	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.723765	-33.713573507655	Alternating exposures requested	N	N
[deg] Pointing Roll	356.821604	356.99276313218	[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)	213893469.184000	213892431.60874			
Observation start date	2004-10-11T14:50:05	2004-10-11T14:33:51			
[s] Observation end time (MET)	213899469.184000	213900797.65911			
Observation end date	2004-10-11T16:30:05	2004-10-11T16:53:17			
Read mode	TIMED	TIMED			

2.3 Aspect



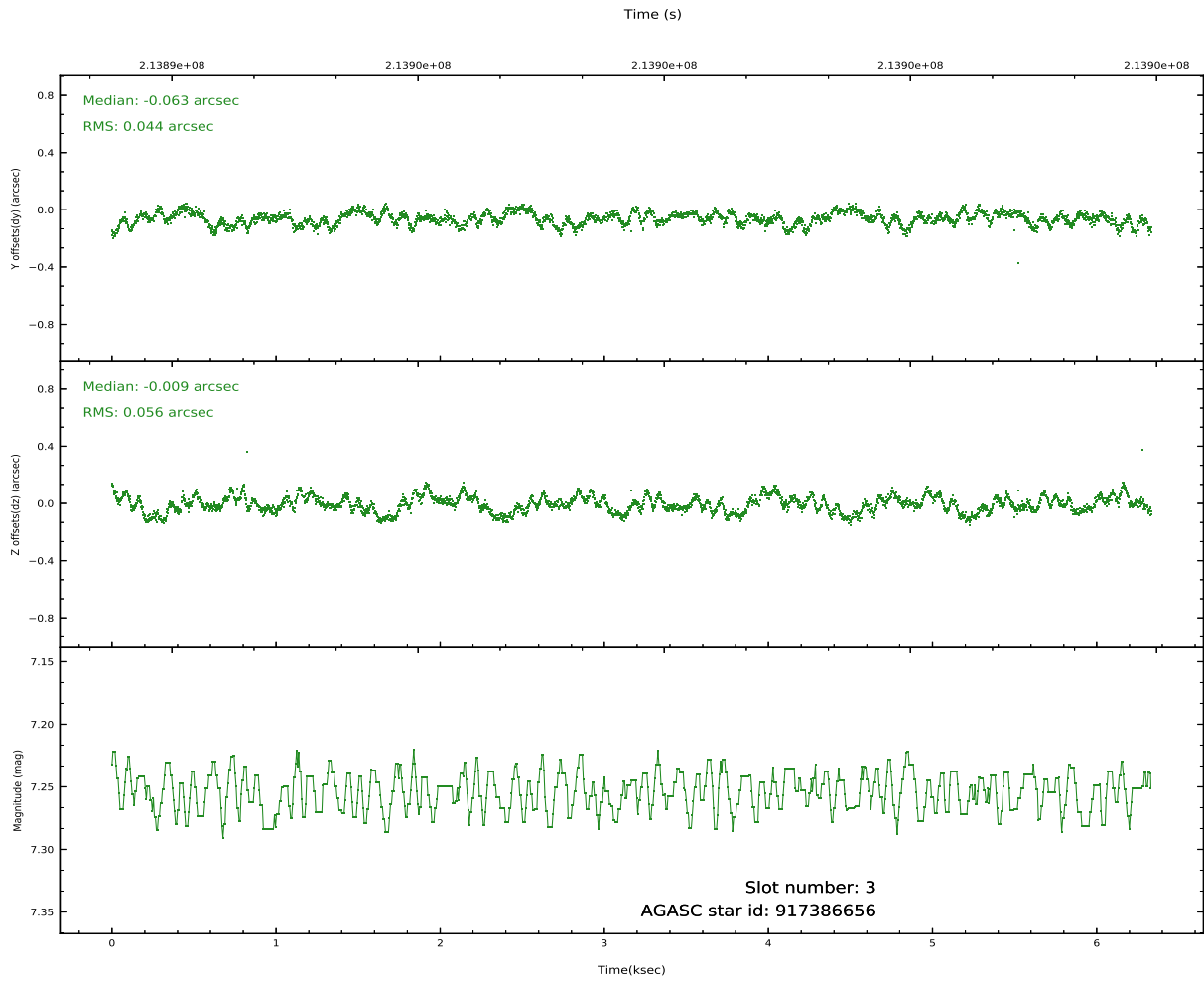
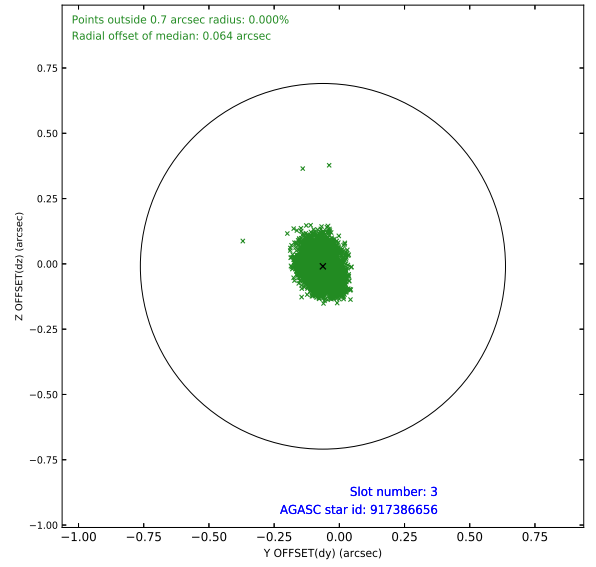
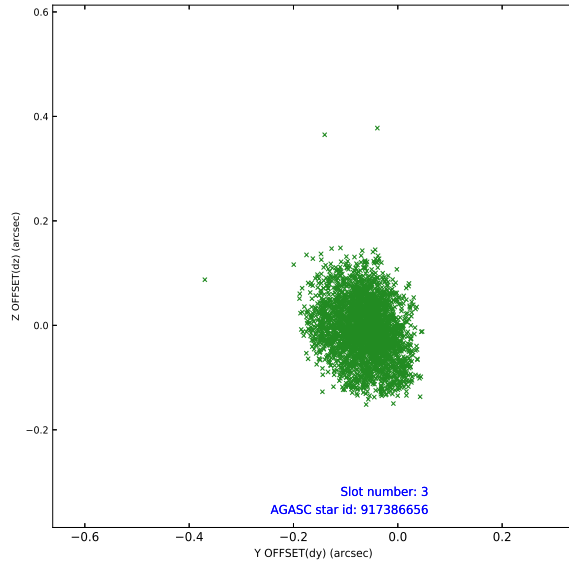


Slot Statistics

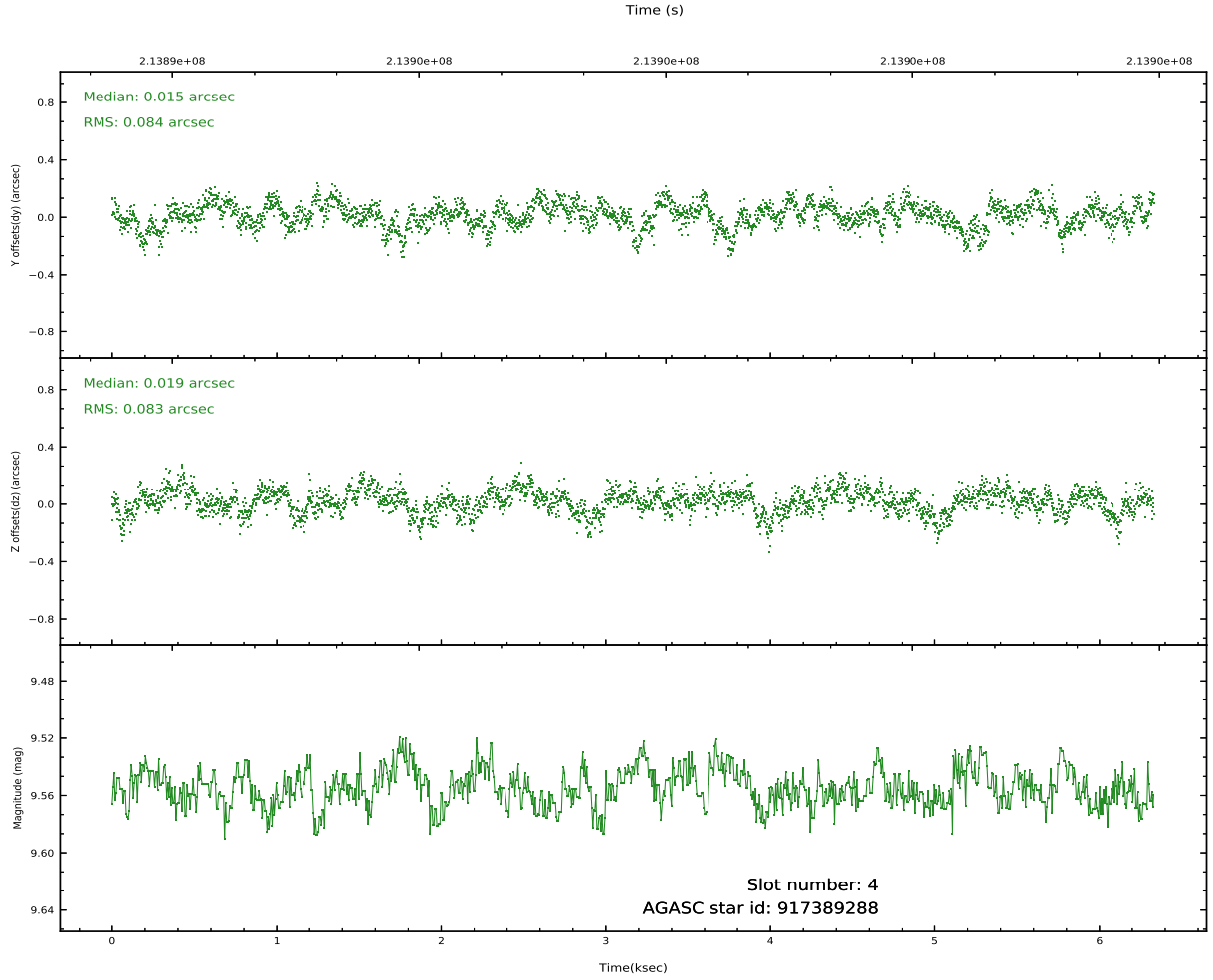
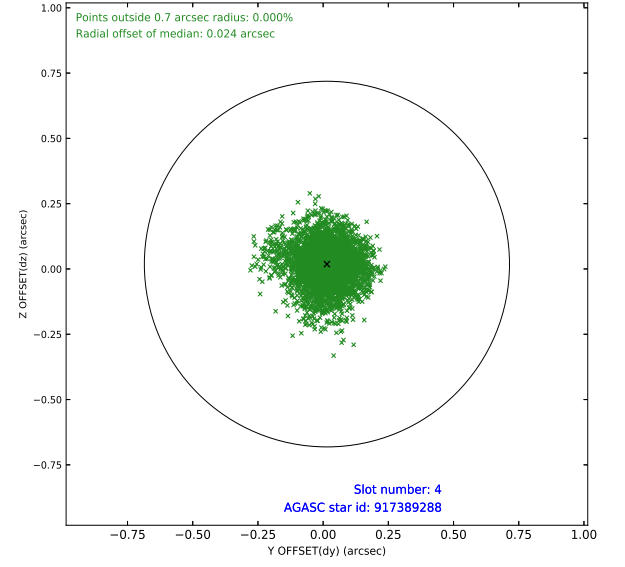
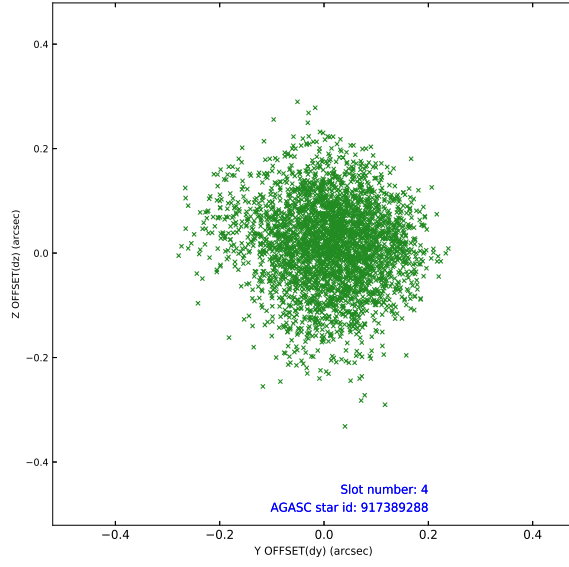
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	1545	1.000	0.034	-0.024	0.007	0.011	0.000000	0.000000	937.82	-1726
1	FID		ACIS-S-5	7.23	1545	1.000	-0.129	0.009	0.006	0.011	0.000000	0.000000	-1810.79	170
2	FID		ACIS-S-6	7.36	1545	1.000	0.074	0.028	0.007	0.012	0.000000	0.000000	402.45	815
3	GUIDE	used	917386656	7.25	3091	1.000	-0.063	-0.009	0.078	0.120	15.342124	-33.359890	889.86	1359
4	GUIDE	used	917389288	9.55	3089	1.000	0.015	0.019	0.126	0.204	15.394706	-33.185862	1015.50	1994
5	GUIDE	used	917390768	9.87	3088	1.000	-0.000	-0.007	0.156	0.246	14.870561	-33.104152	-578.10	2202
6	GUIDE	used	917642024	8.90	3090	1.000	0.063	-0.056	0.097	0.151	15.645887	-34.369984	1982.49	-2224
7	GUIDE	used	917650528	8.71	3086	1.000	-0.010	0.049	0.080	0.128	14.274554	-33.869842	-2198.96	-657

2.4 Star Slots

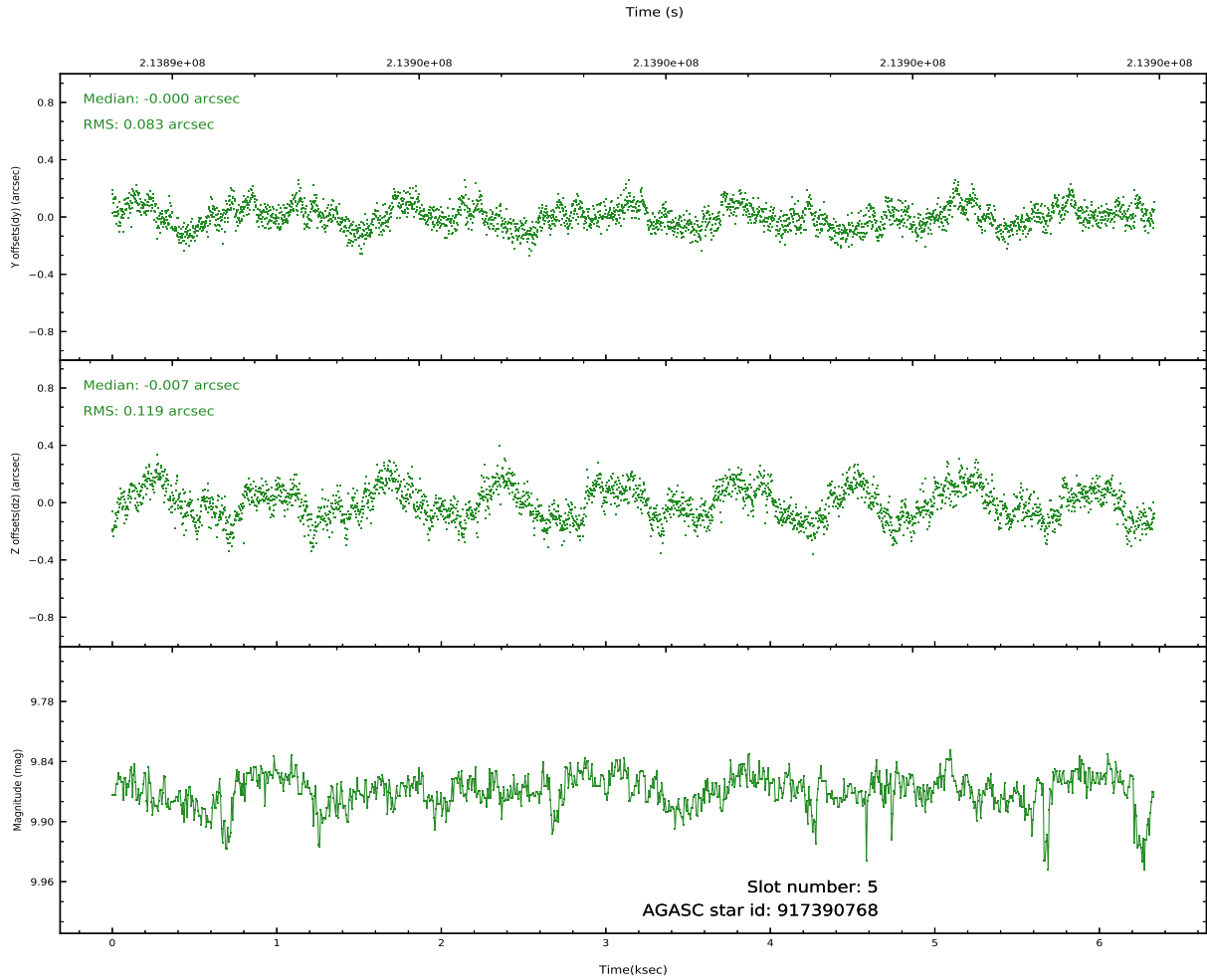
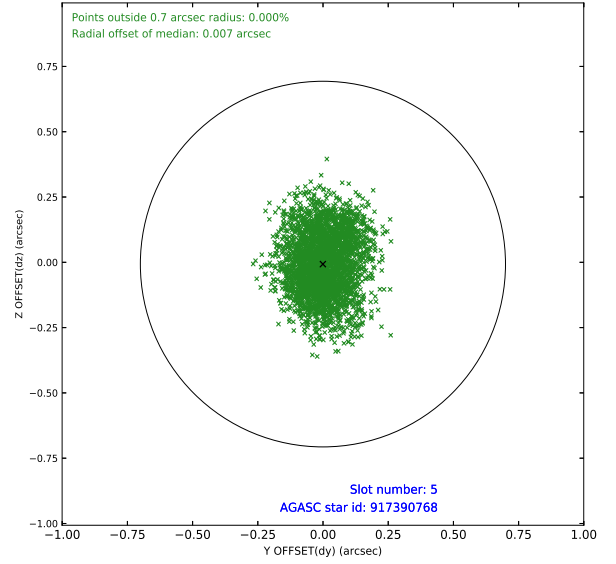
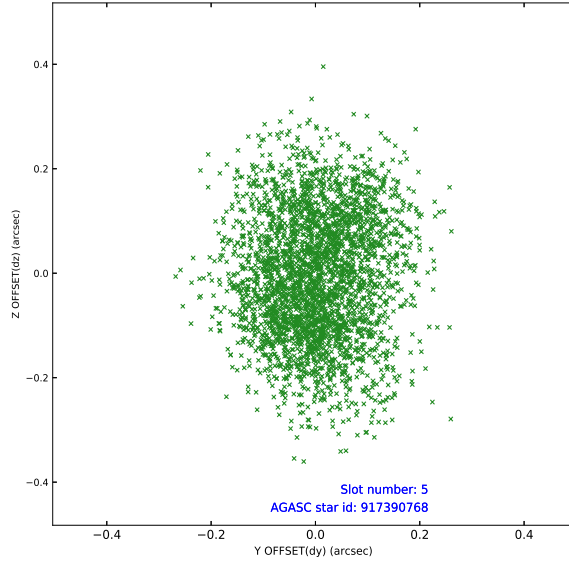
2.4.1 Slot 3



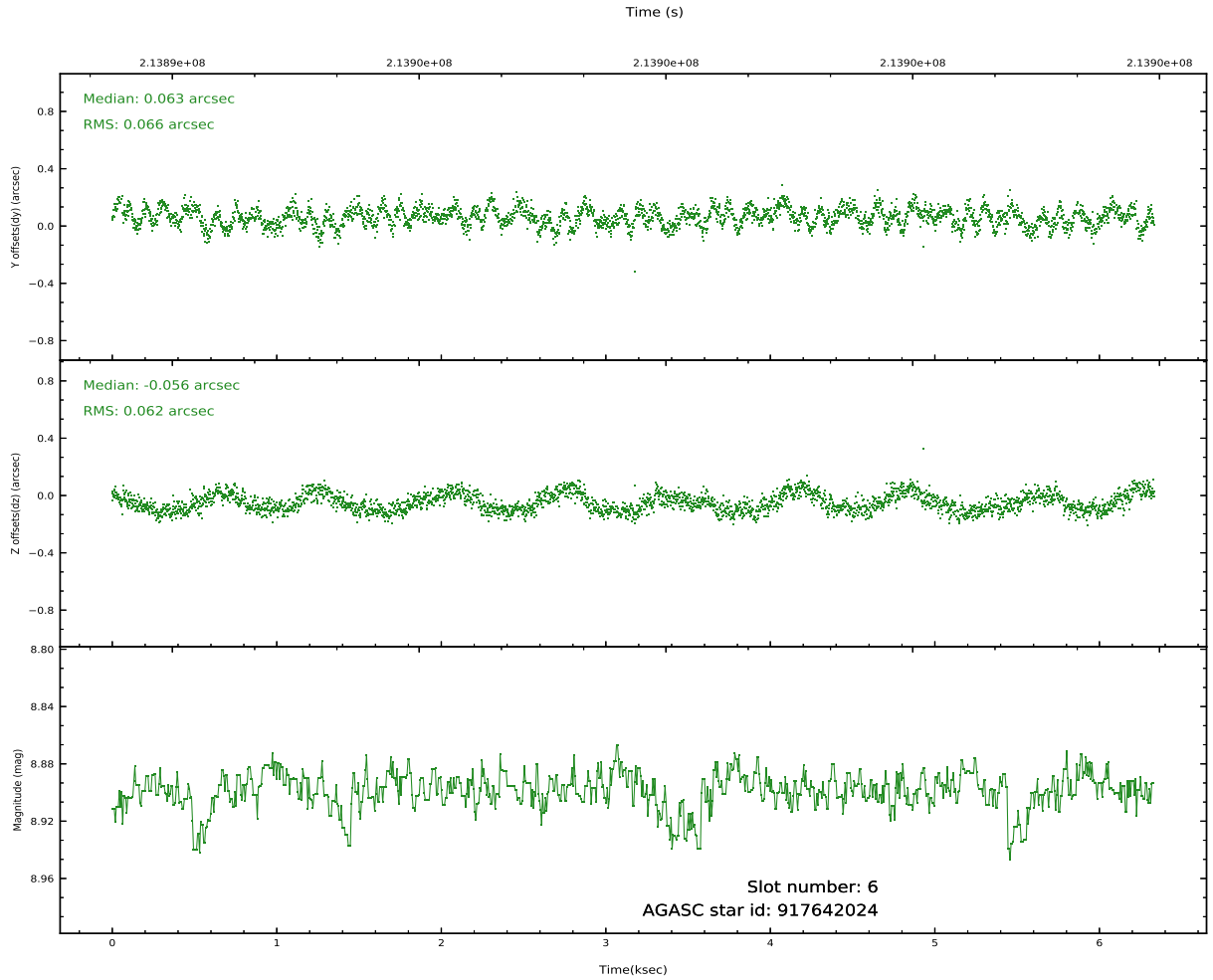
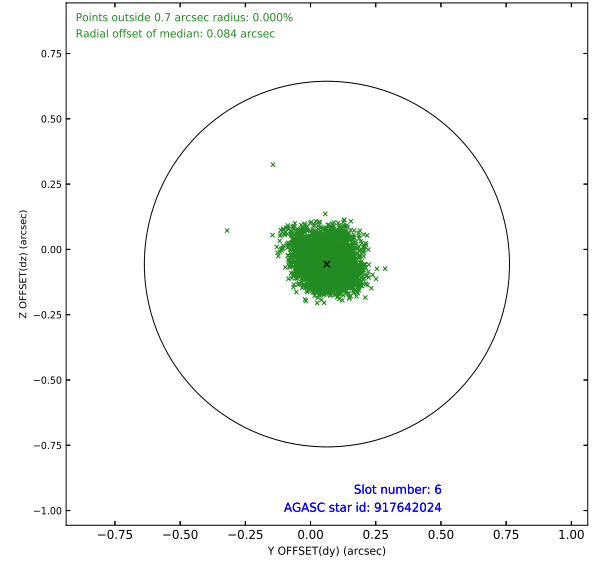
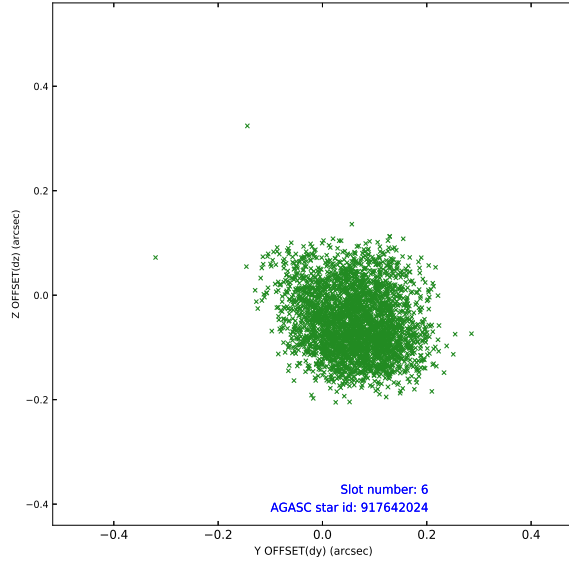
2.4.2 Slot 4



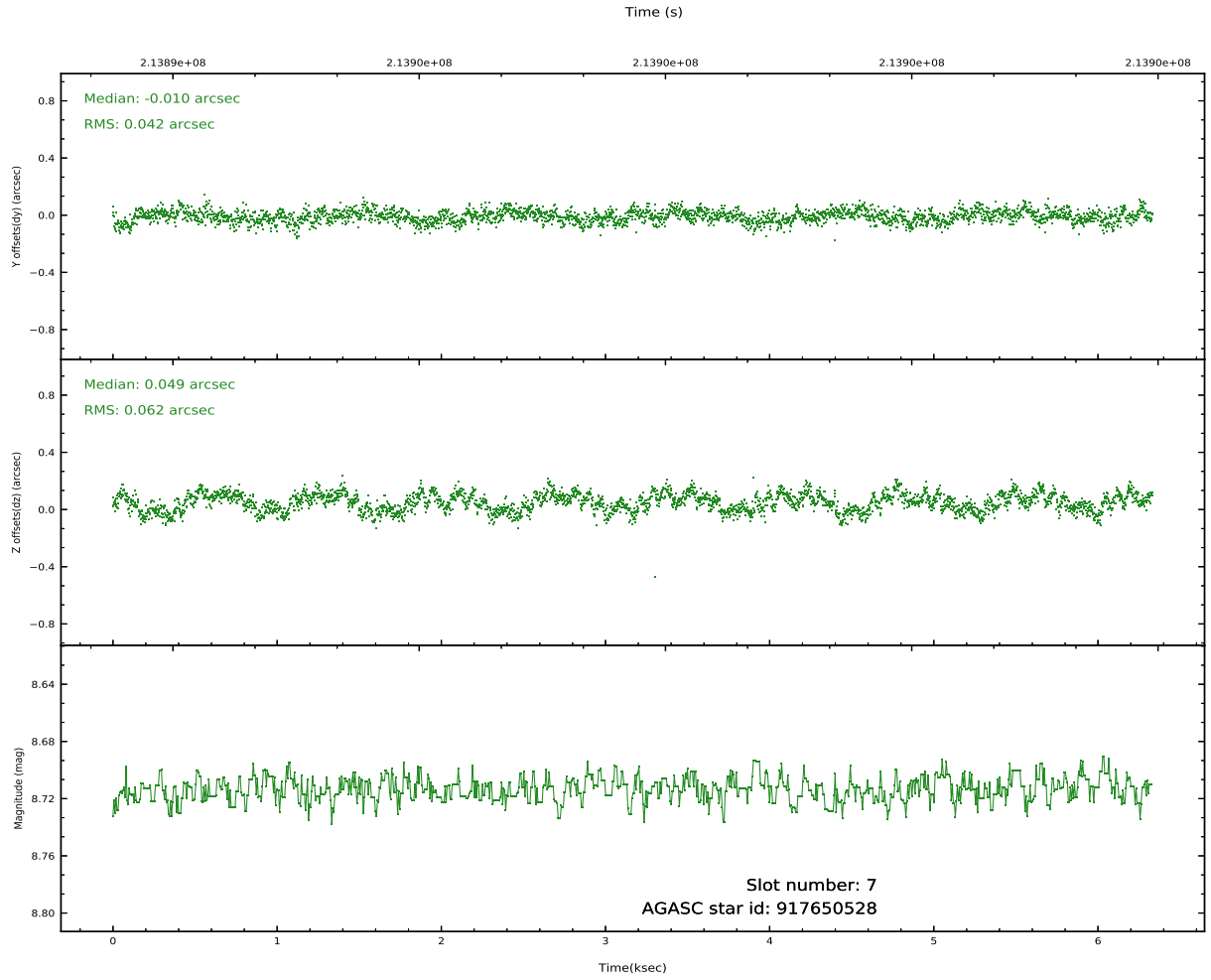
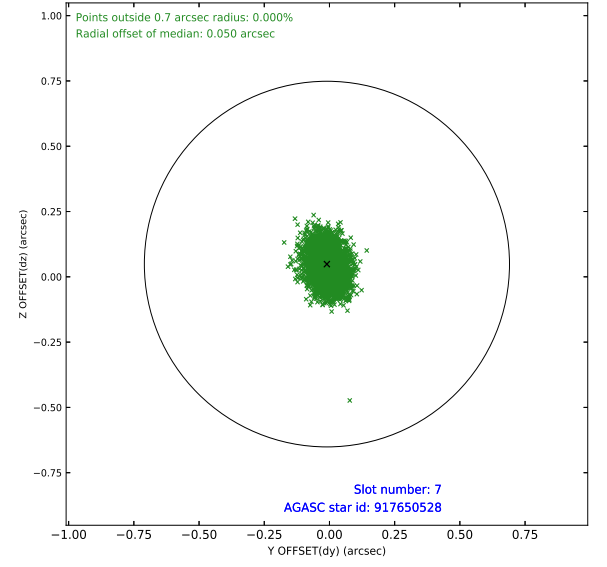
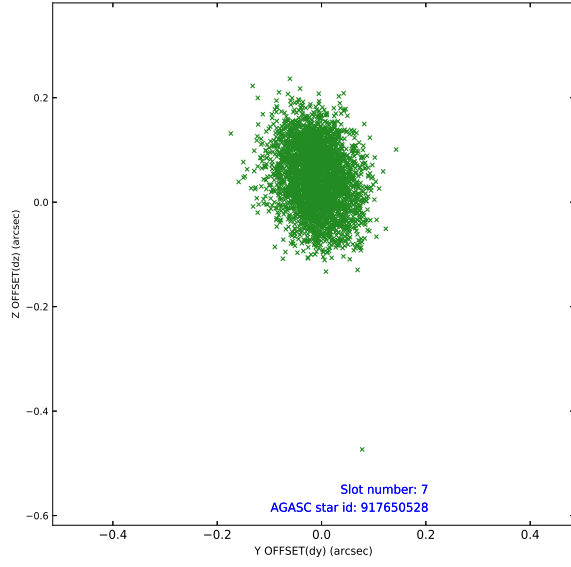
2.4.3 Slot 5



2.4.4 Slot 6

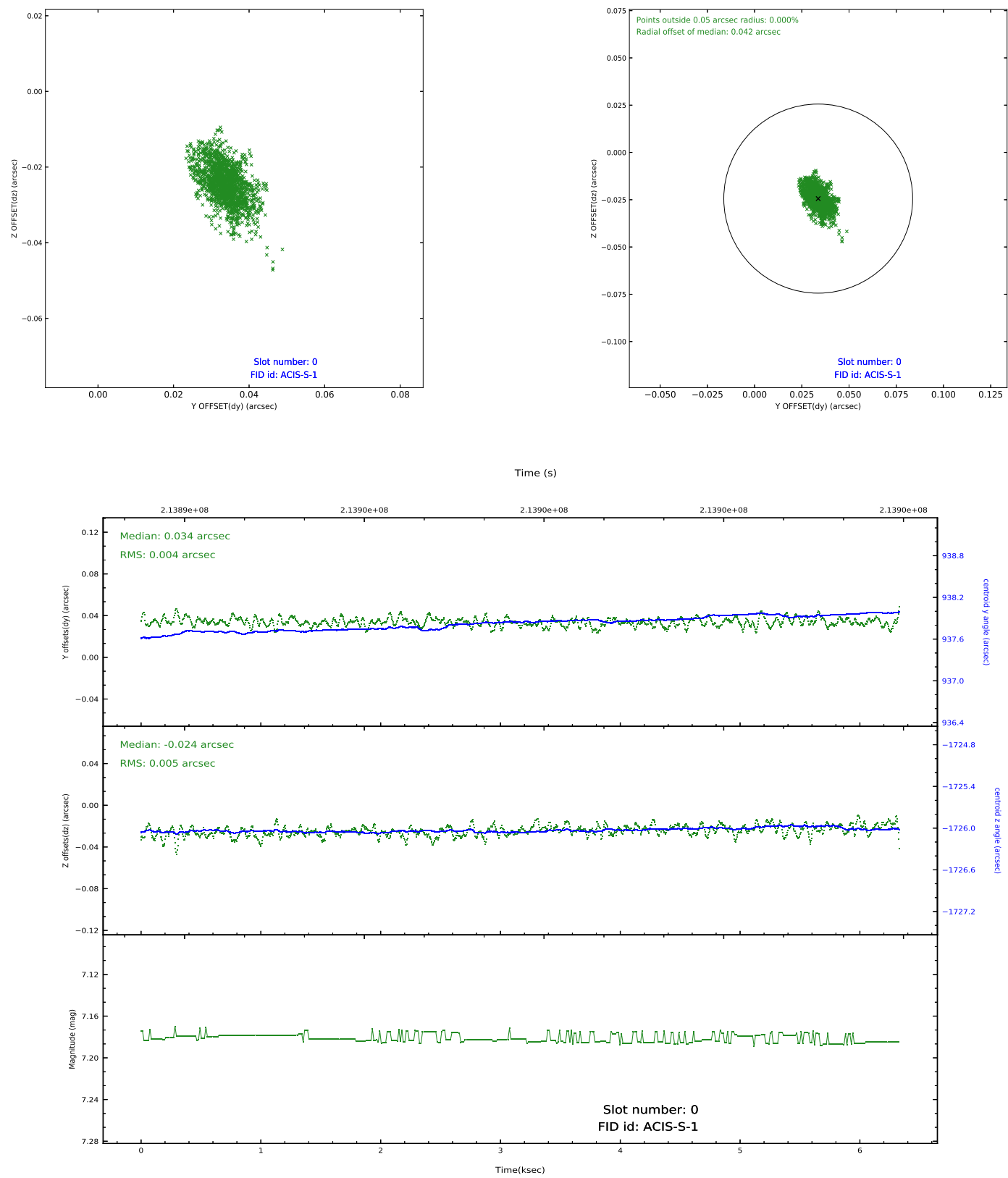


2.4.5 Slot 7

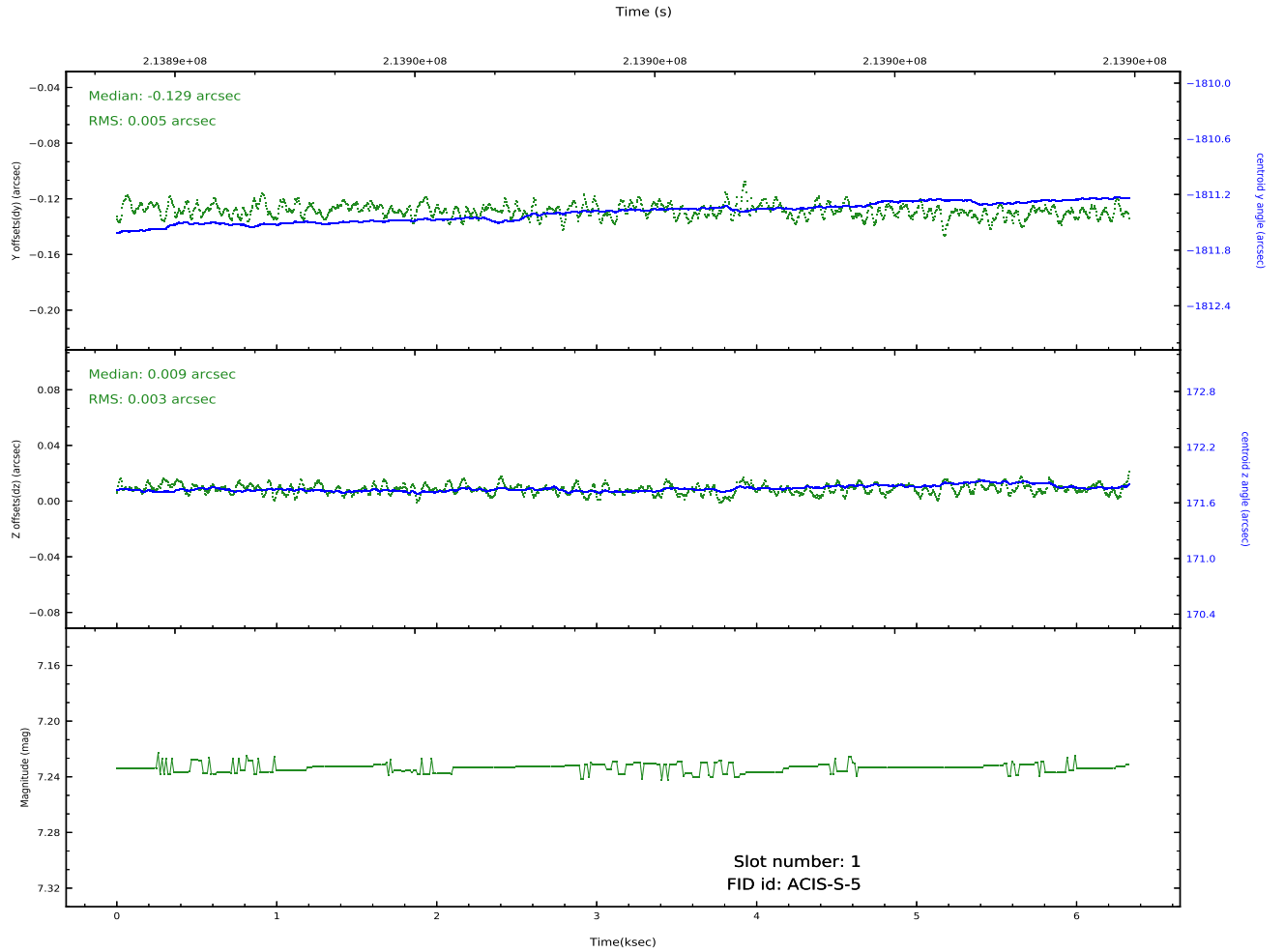
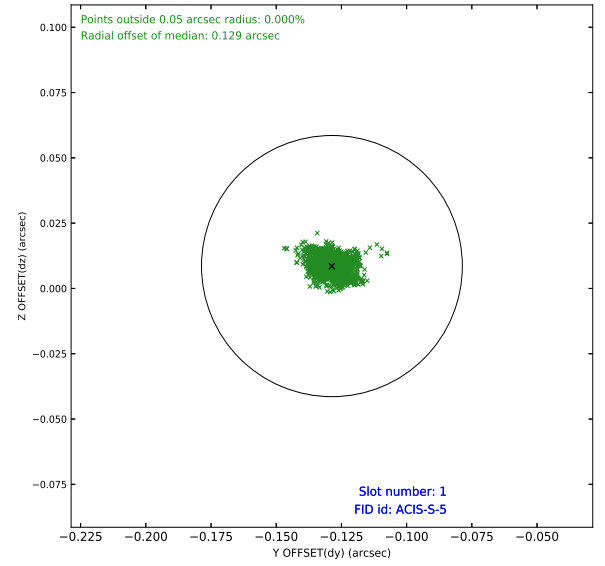
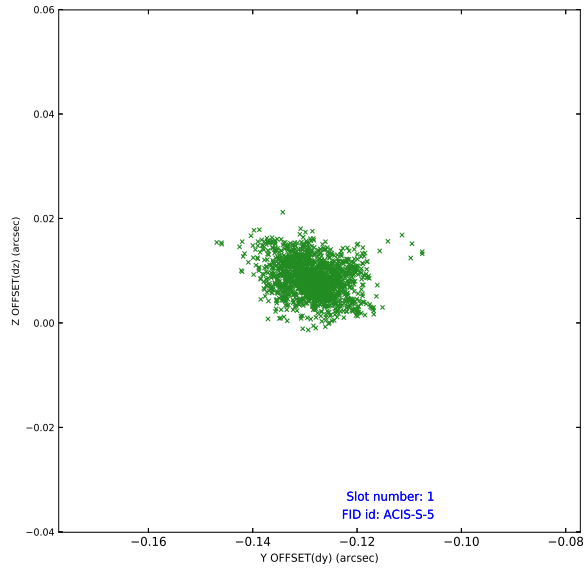


2.5 FID Slots

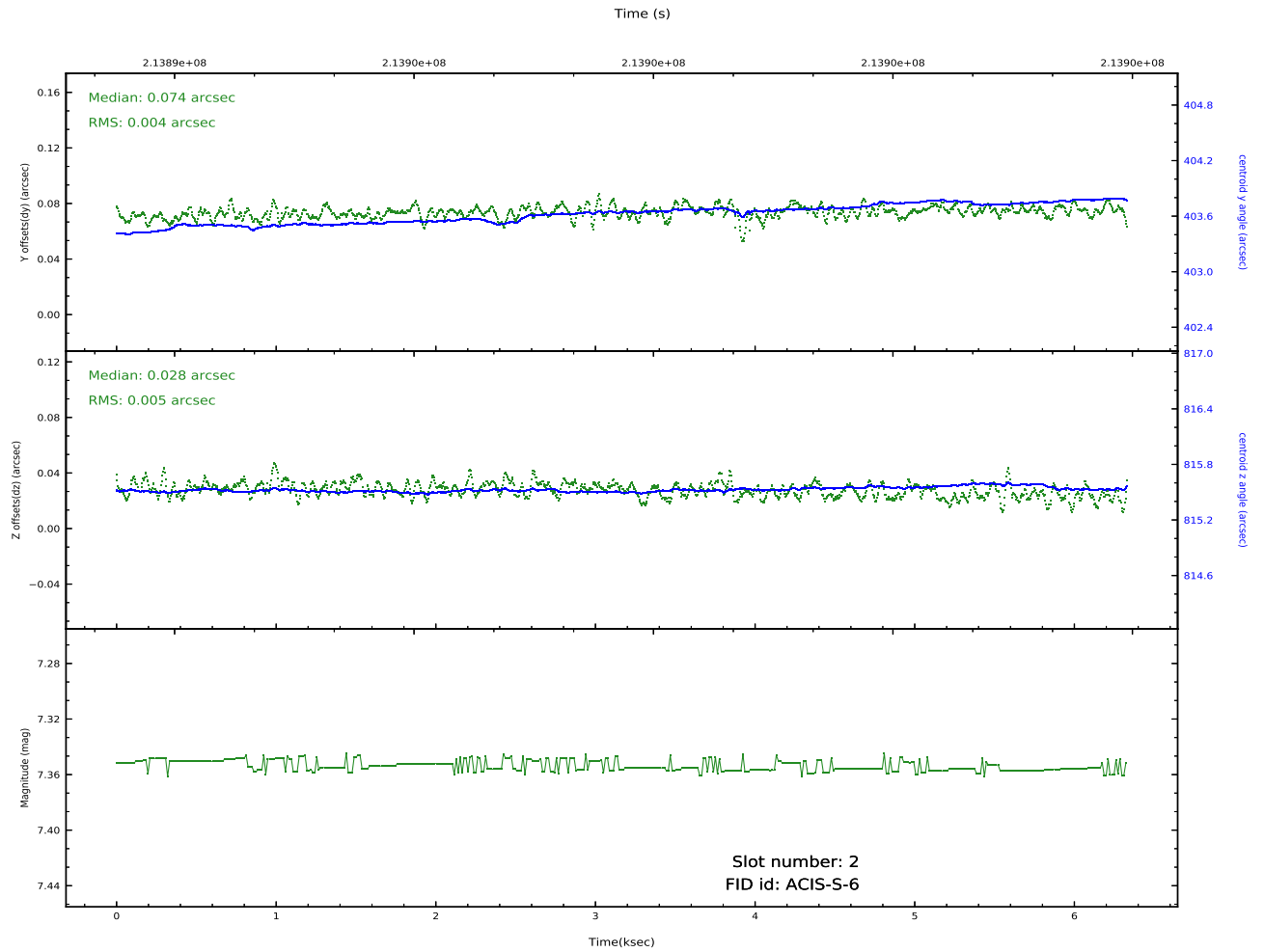
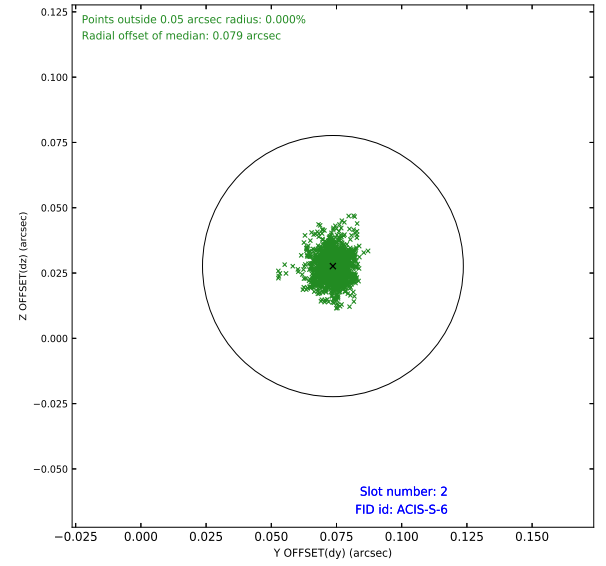
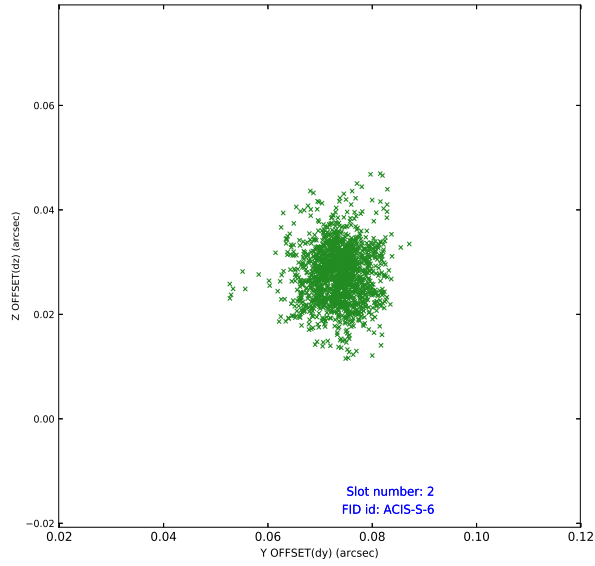
2.5.1 Slot 0



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)	2020.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.955

A.2 Comments

Joint proposal with NOAO.