

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6288 - L2 Version 4
Chandra X-Ray Center

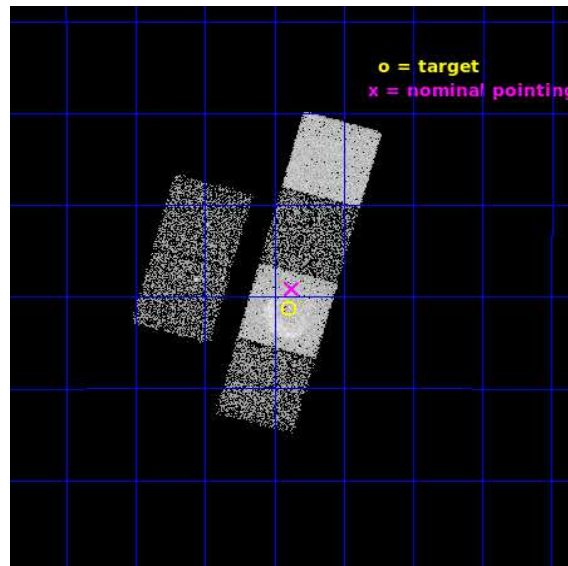
L2 Processing Date : Oct 8 2020

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1 Front

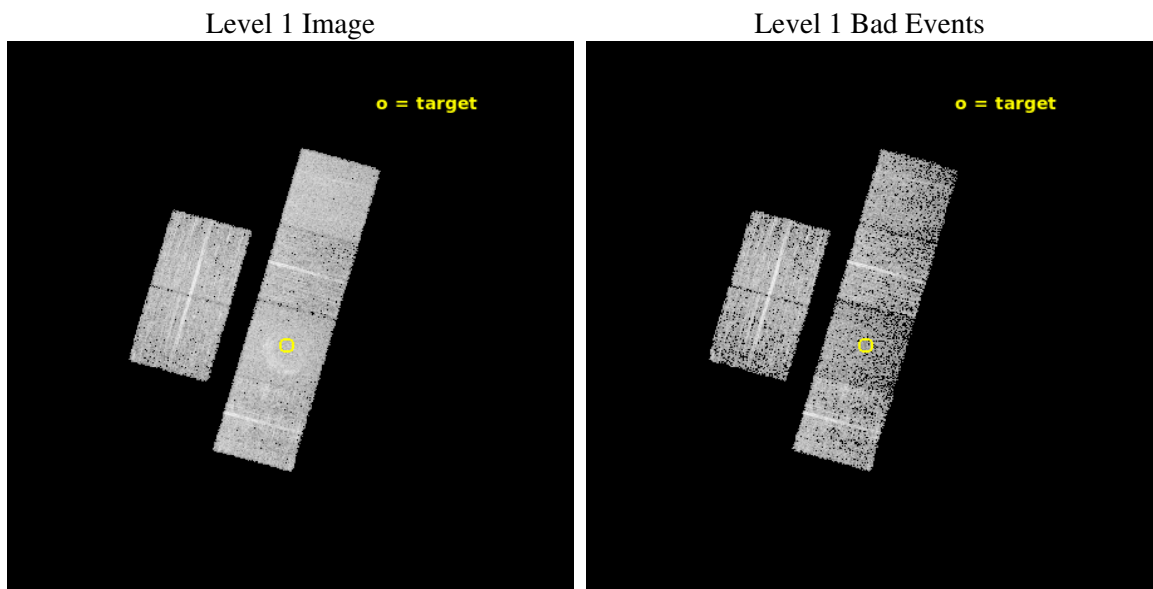
seq_num	500524	Sequence number
obs_id	6288	Observation id
title	Small-Diameter Galactic Supernova Remnants: The Missing Young Remnants?	Proposal title
observer	Stephen Reynolds	Principal investigator
object	SNR G15.9+0.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.72375	Observer's specified target RA [deg]
dec_targ	-15.020556	Observer's specified target Dec [deg]
ra_nom	274.71840565006	Nominal RA [deg]
dec_nom	-14.985428179411	Nominal Dec [deg]
roll_nom	105.75625876745	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4956.7999815345	Sum of GTIs [s]
livetime	4894.0339955417	Livetime [s]
ontime2	4956.7999815345	Sum of GTIs [s]
ontime3	4956.7999815345	Sum of GTIs [s]
ontime5	4956.7999815345	Sum of GTIs [s]
ontime6	4956.7999815345	Sum of GTIs [s]
ontime7	4956.7999815345	Sum of GTIs [s]
ontime8	4956.7999815345	Sum of GTIs [s]
l2events	46044	Number of level 2 events



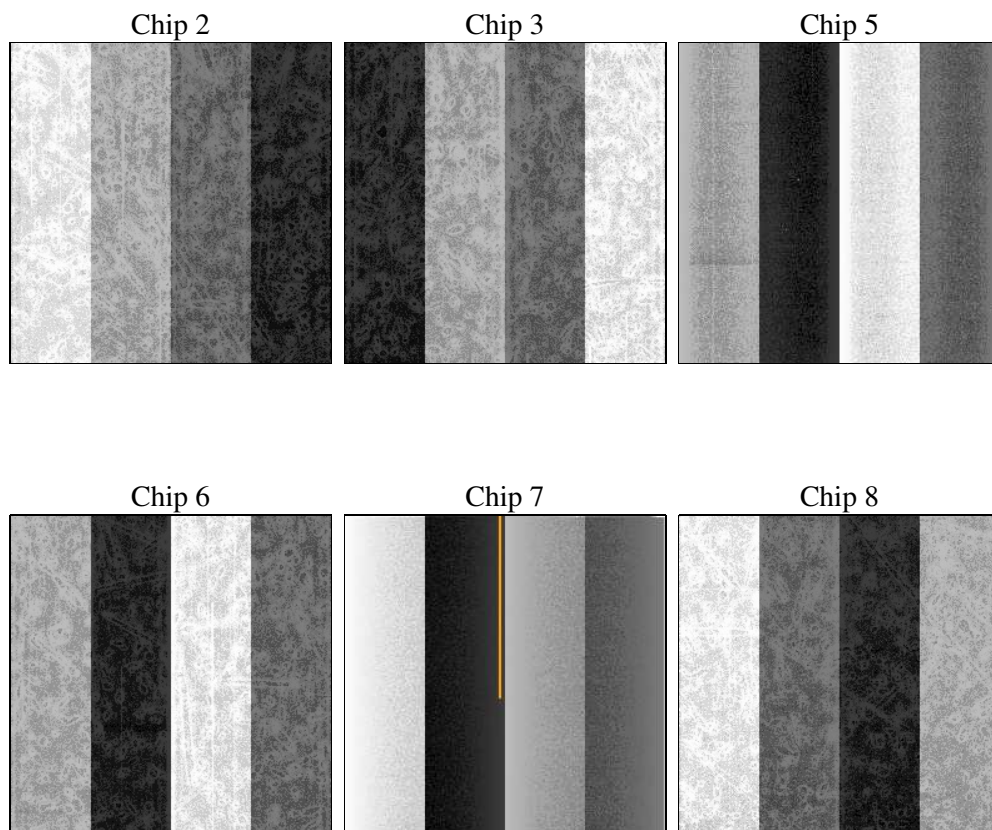
2 OBI

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	4956.7999815345	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	4956.7999815345	Sum of GTIs [s]
date	2020-10-08T13:07:08	Date and time of file creation	ontime3	4956.7999815345	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4956.7999815345	Sum of GTIs [s]
			ontime6	4956.7999815345	Sum of GTIs [s]
			ontime7	4956.7999815345	Sum of GTIs [s]
			ontime8	4956.7999815345	Sum of GTIs [s]
			l1events	191044	Number of level 1 events

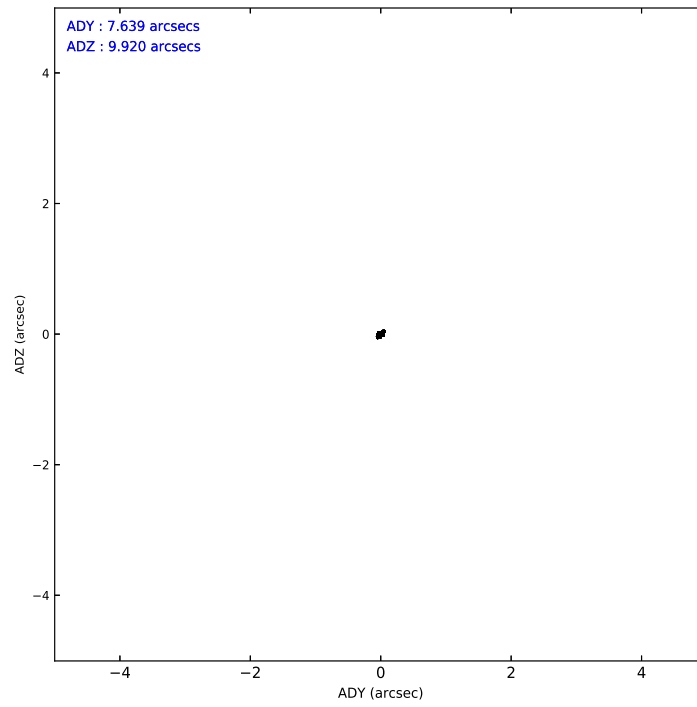
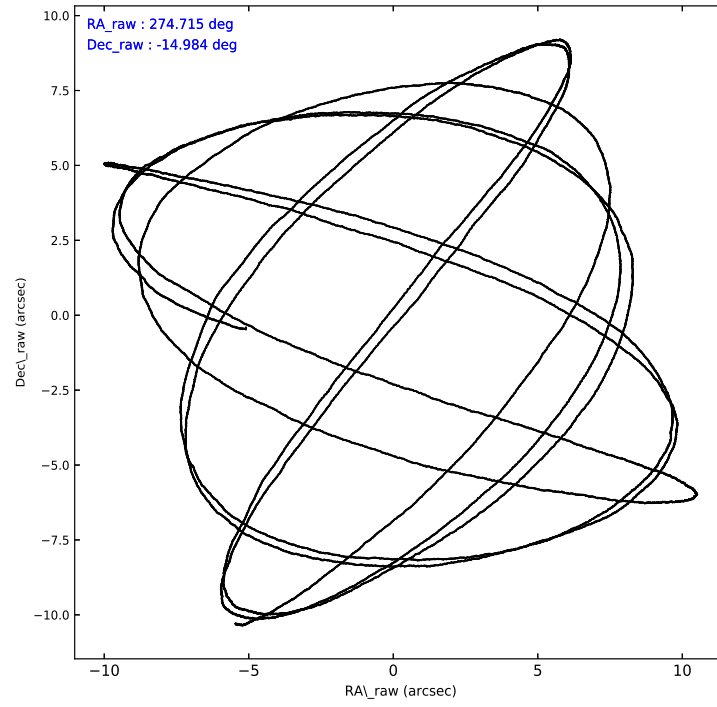
2.1.4 Events

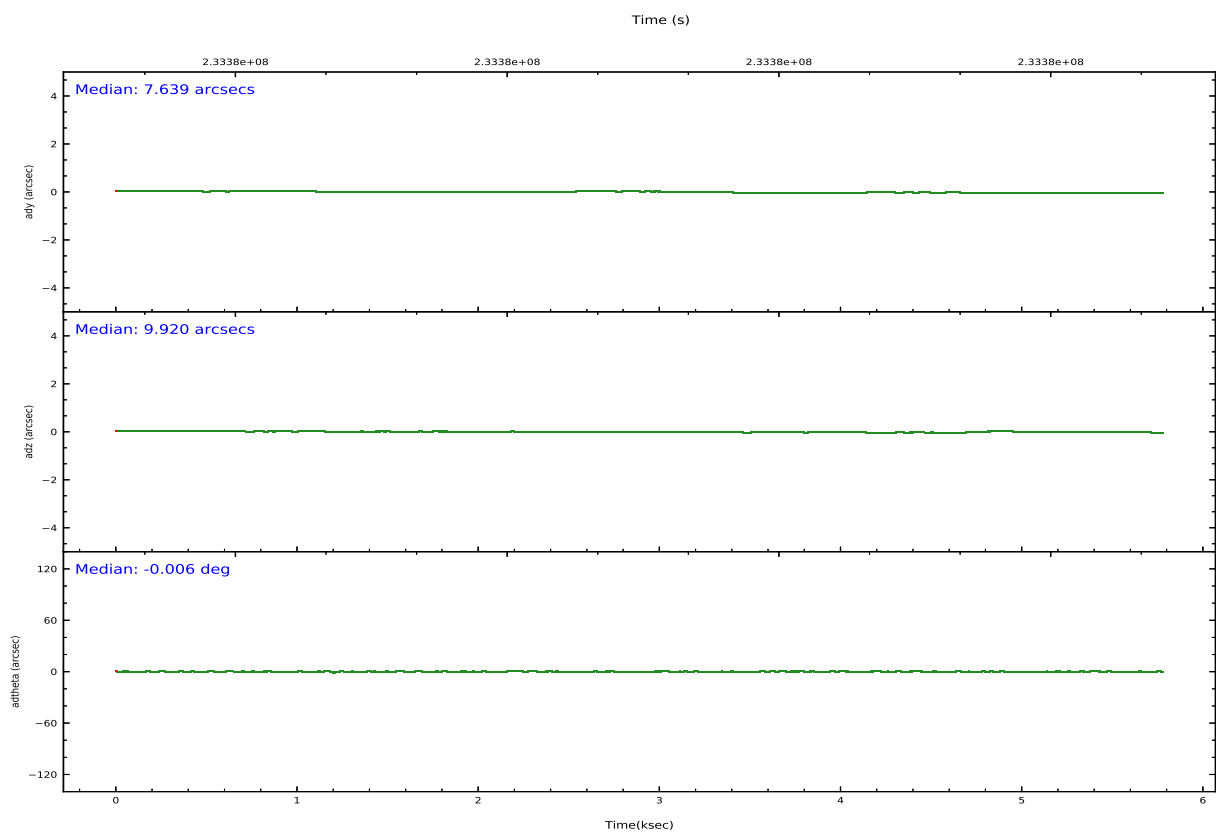
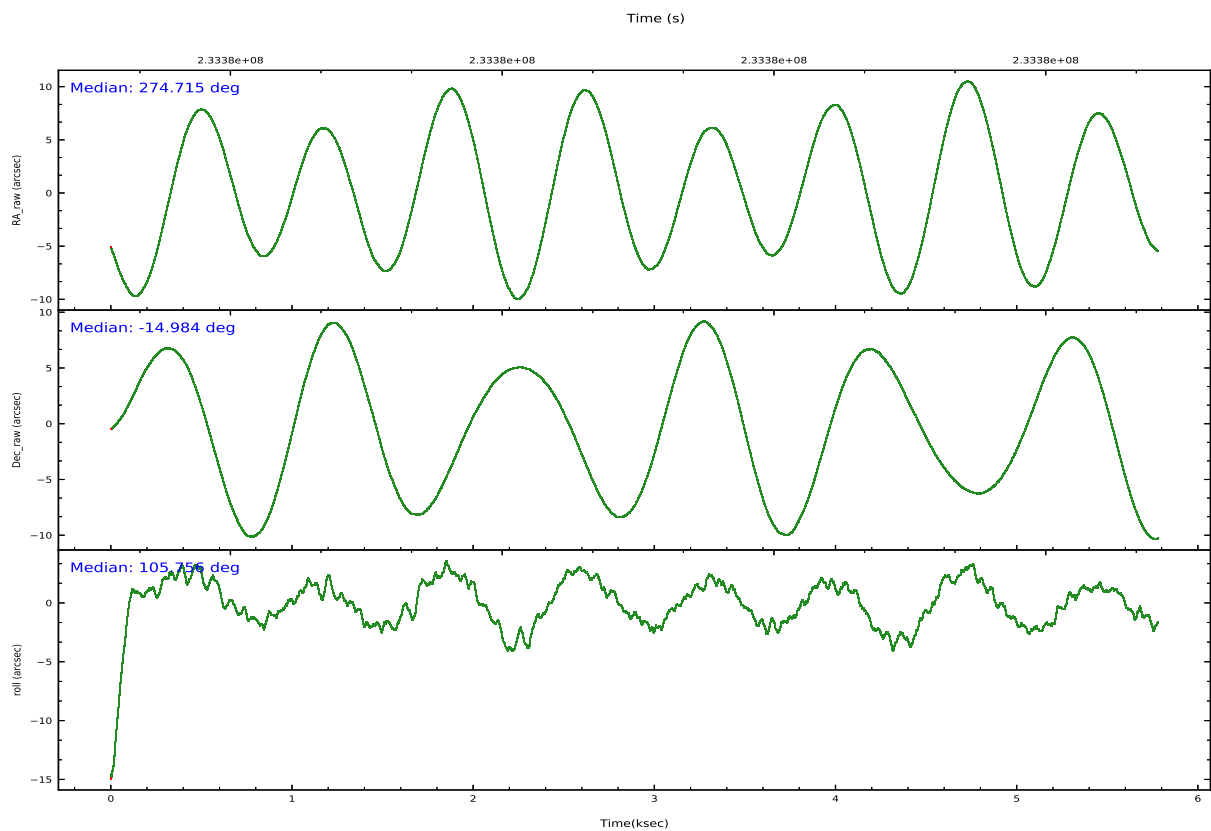
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33921	27694	34766	27849	33718	33096	grade 0 events	1348	1368	1022	1186	2257	1592
rejected events	30934	24665	17614	24816	15528	27425		3%	4%	2%	4%	6%	4%
rejected %	91%	89%	50%	89%	46%	82%	grade 1 events	17	18	16	16	30	14
								0%	0%	0%	0%	0%	0%
							grade 2 events	588	620	4896	610	3837	1108
								1%	2%	14%	2%	11%	3%
							grade 3 events	281	264	741	290	1746	533
								0%	0%	2%	1%	5%	1%
							grade 4 events	261	278	675	326	1669	501
								0%	1%	1%	1%	4%	1%
							grade 5 events	883	1092	2873	1096	3240	1502
								2%	3%	8%	3%	9%	4%
							grade 6 events	511	501	9829	623	8692	1938
								1%	1%	28%	2%	25%	5%
							grade 7 events	30032	23553	14714	23702	12247	25908
								88%	85%	42%	85%	36%	78%

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	274.735477	274.71840565006	Subarray requested	NONE	NONE
[deg] Pointing Dec	-15.002863	-14.985428179411	Alternating exposures requested	N	N
[deg] Pointing Roll	105.603030	105.75625876745	[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)	233375621.184000	233374360.97641			
Observation start date	2005-05-25T02:32:37	2005-05-25T02:12:40			
[s] Observation end time (MET)	233380621.184000	233381374.02673			
Observation end date	2005-05-25T03:55:57	2005-05-25T04:09:34			
Read mode	TIMED	TIMED			

2.3 Aspect



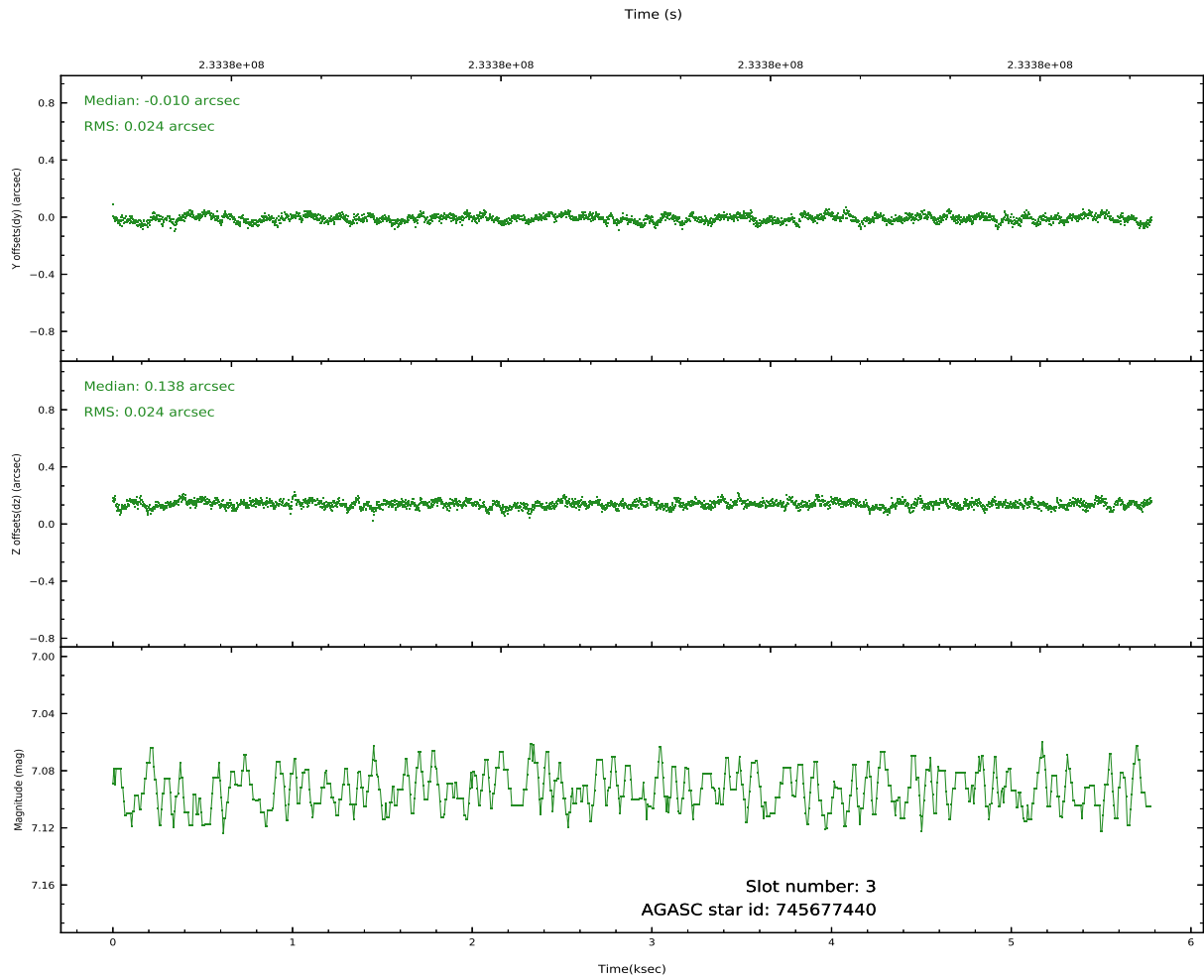
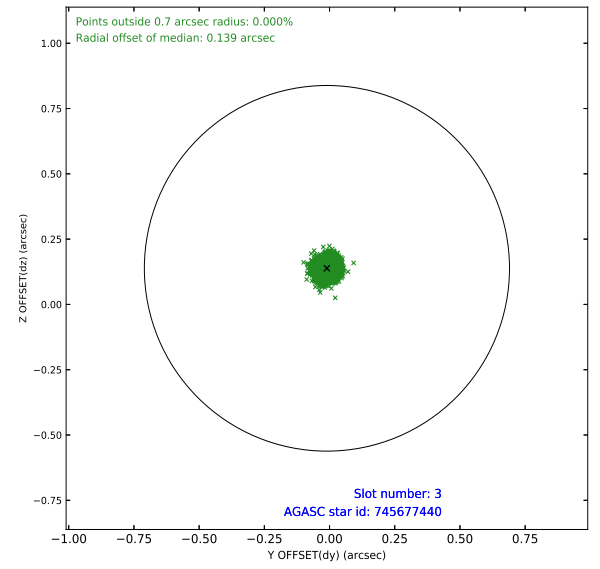
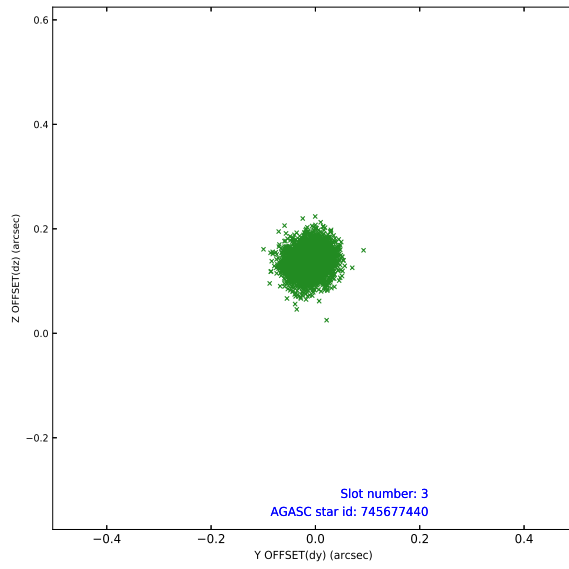


Slot Statistics

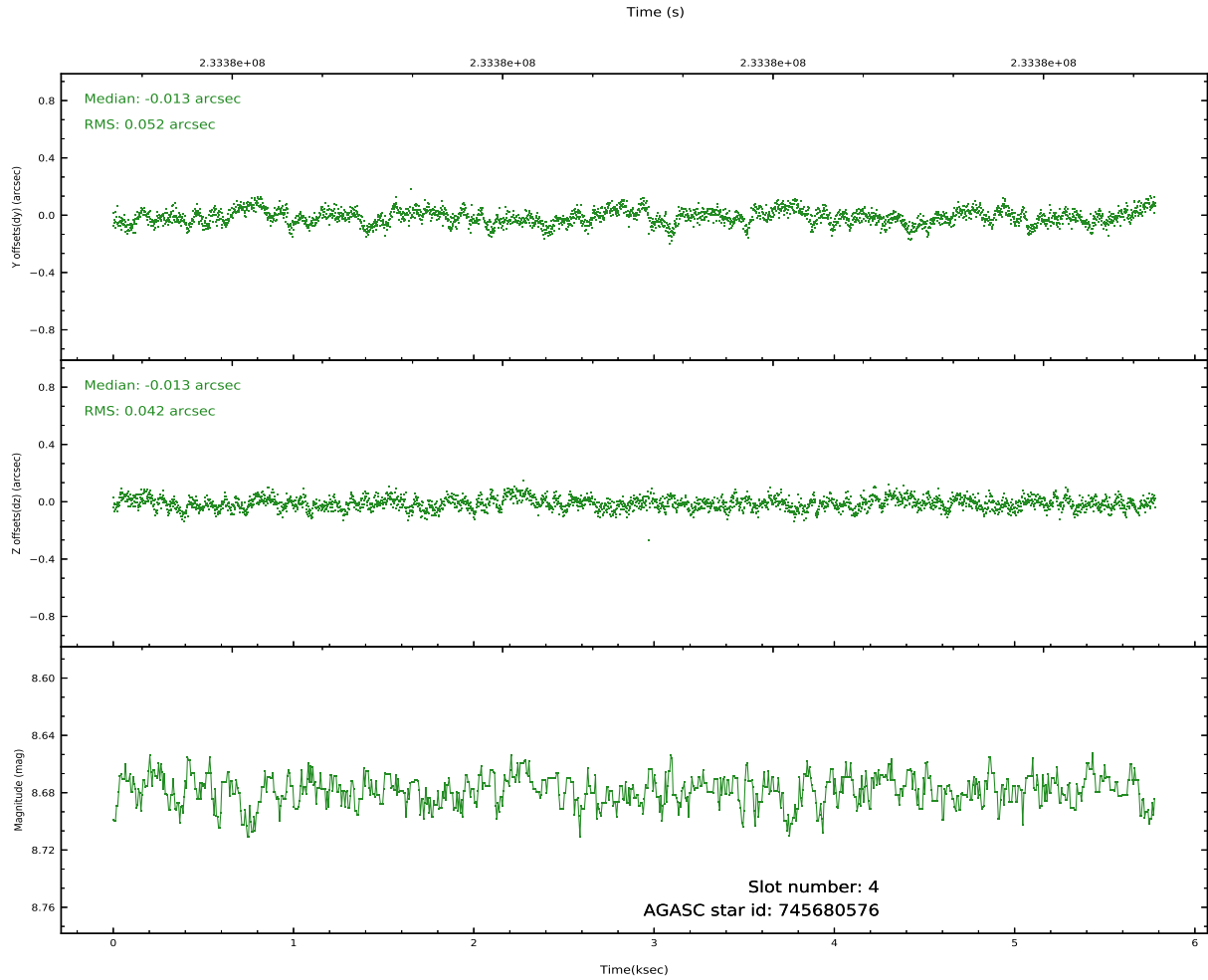
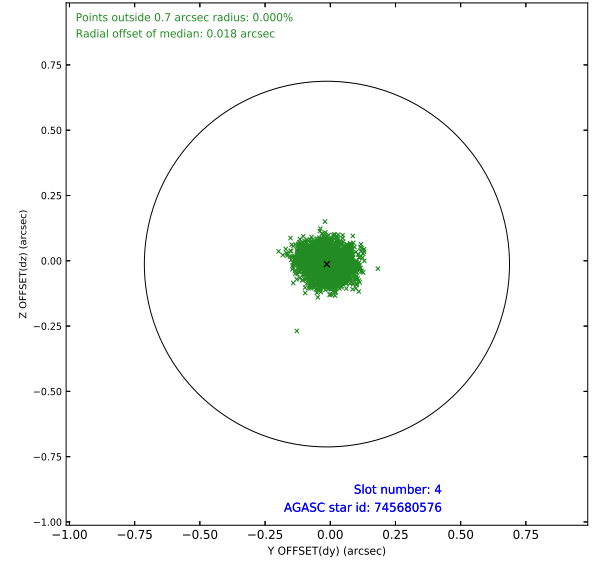
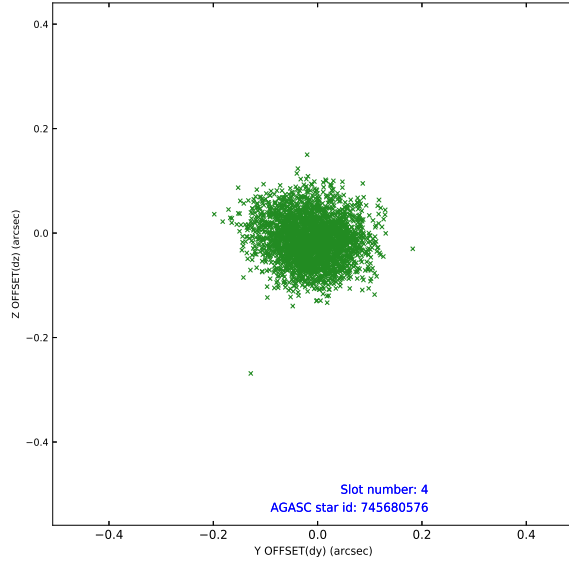
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1411	1.000	-0.075	-0.064	0.006	0.011	0.000000	0.000000	-760.41	-1731
1	FID		ACIS-S-4	7.21	1410	1.000	0.163	0.053	0.006	0.010	0.000000	0.000000	2152.57	176
2	FID		ACIS-S-5	7.23	1410	1.000	-0.119	0.020	0.006	0.011	0.000000	0.000000	-1812.04	171
3	GUIDE	used	745677440	7.09	2821	1.000	-0.010	0.138	0.037	0.058	275.264510	-14.978543	-412.85	-1794
4	GUIDE	used	745680576	8.68	2820	1.000	-0.013	-0.013	0.071	0.116	274.063292	-14.644899	1867.18	1908
5	GUIDE	used	821172096	7.76	2821	1.000	0.022	0.096	0.053	0.080	275.077024	-15.219483	-1070.43	-932
6	GUIDE	used	821179256	7.41	2821	1.000	0.145	-0.021	0.046	0.073	274.840900	-15.612800	-2213.59	237
7	GUIDE	used	745679408	7.63	2820	1.000	-0.146	-0.202	0.056	0.083	274.073517	-14.949069	801.29	2166

2.4 Star Slots

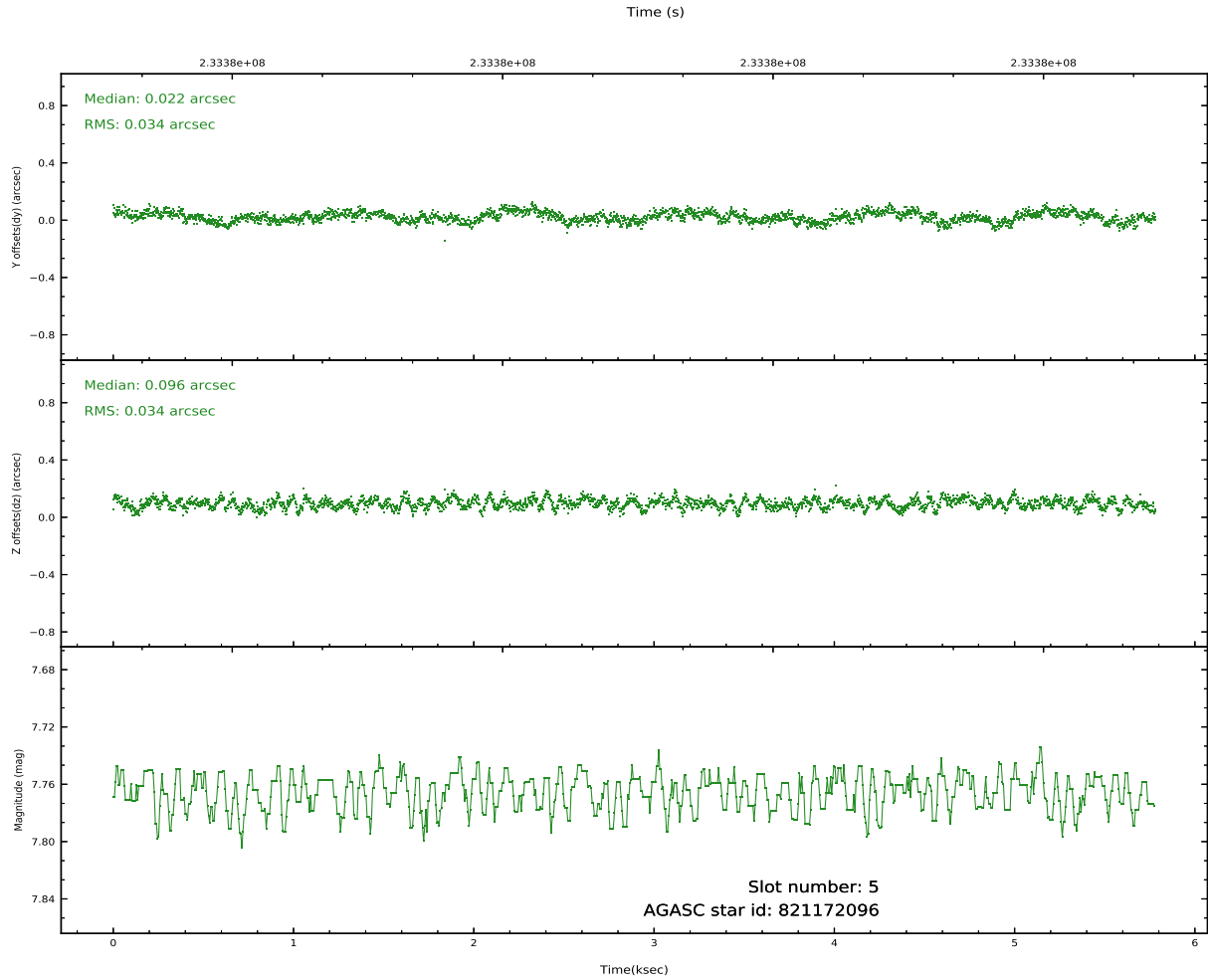
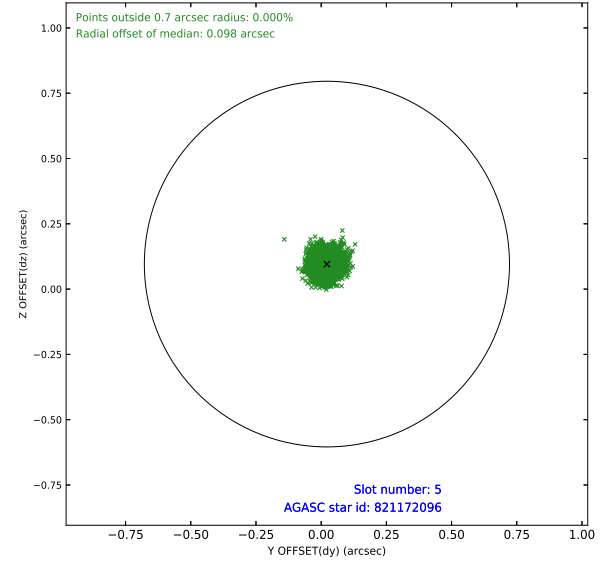
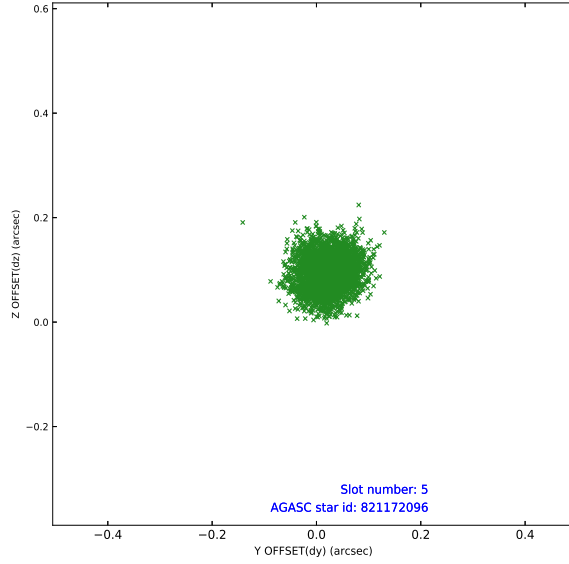
2.4.1 Slot 3



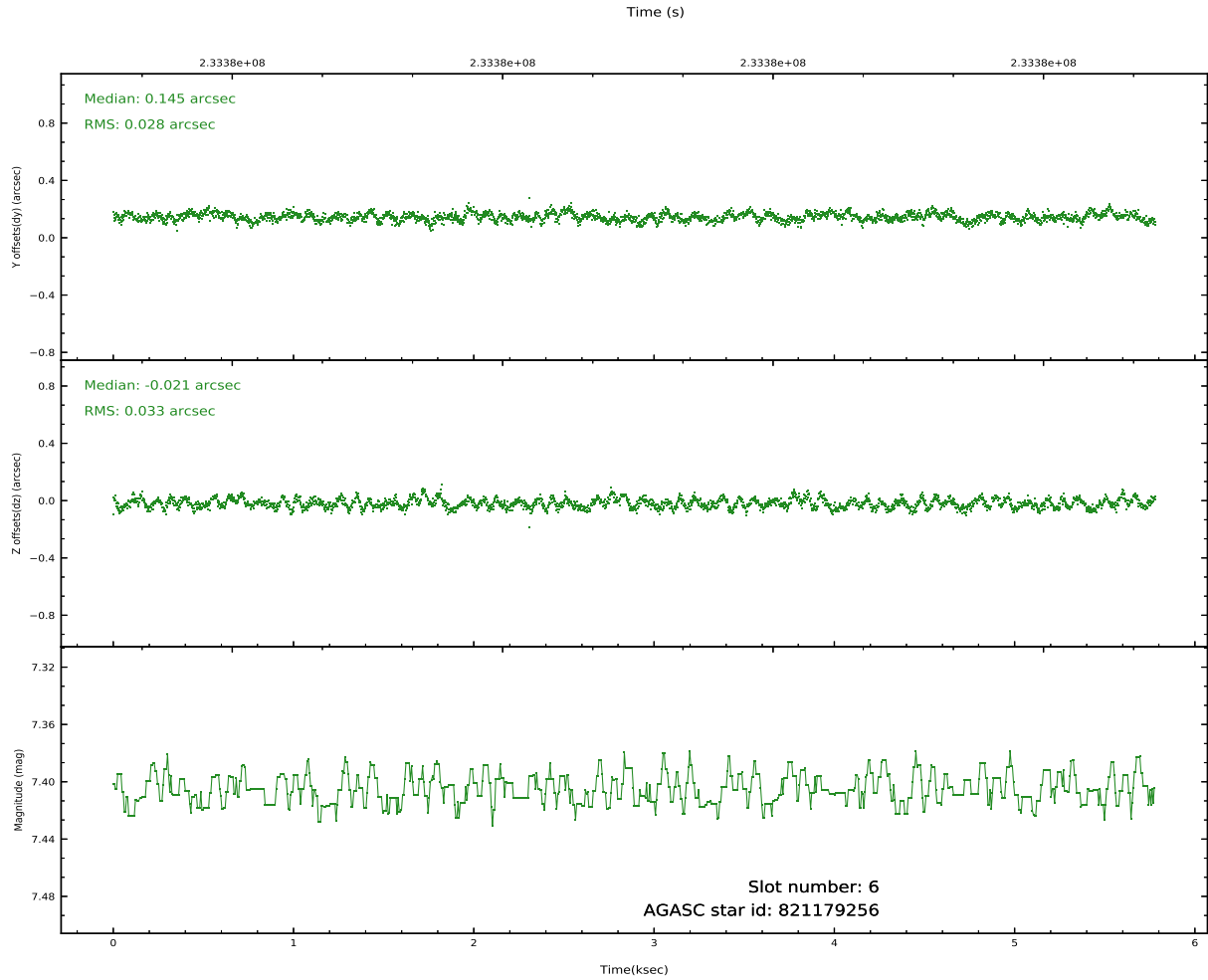
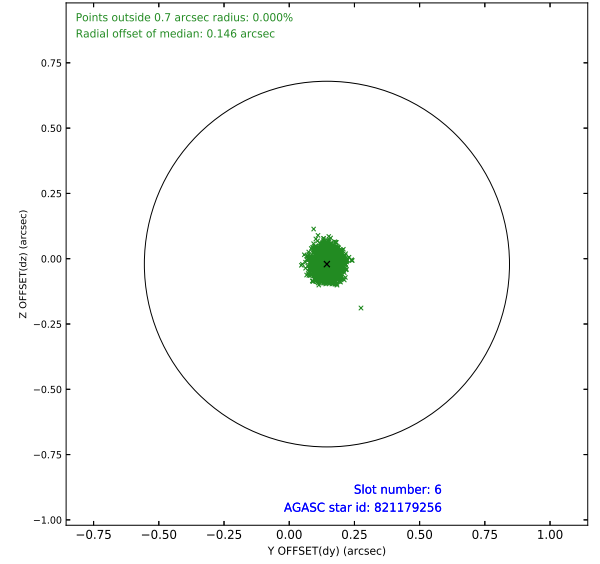
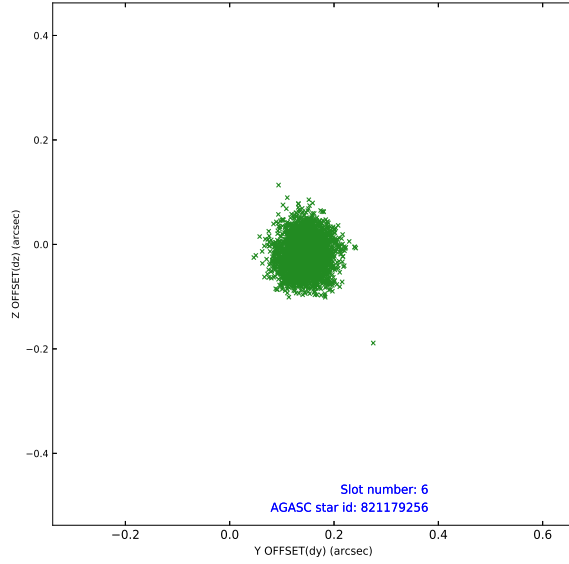
2.4.2 Slot 4



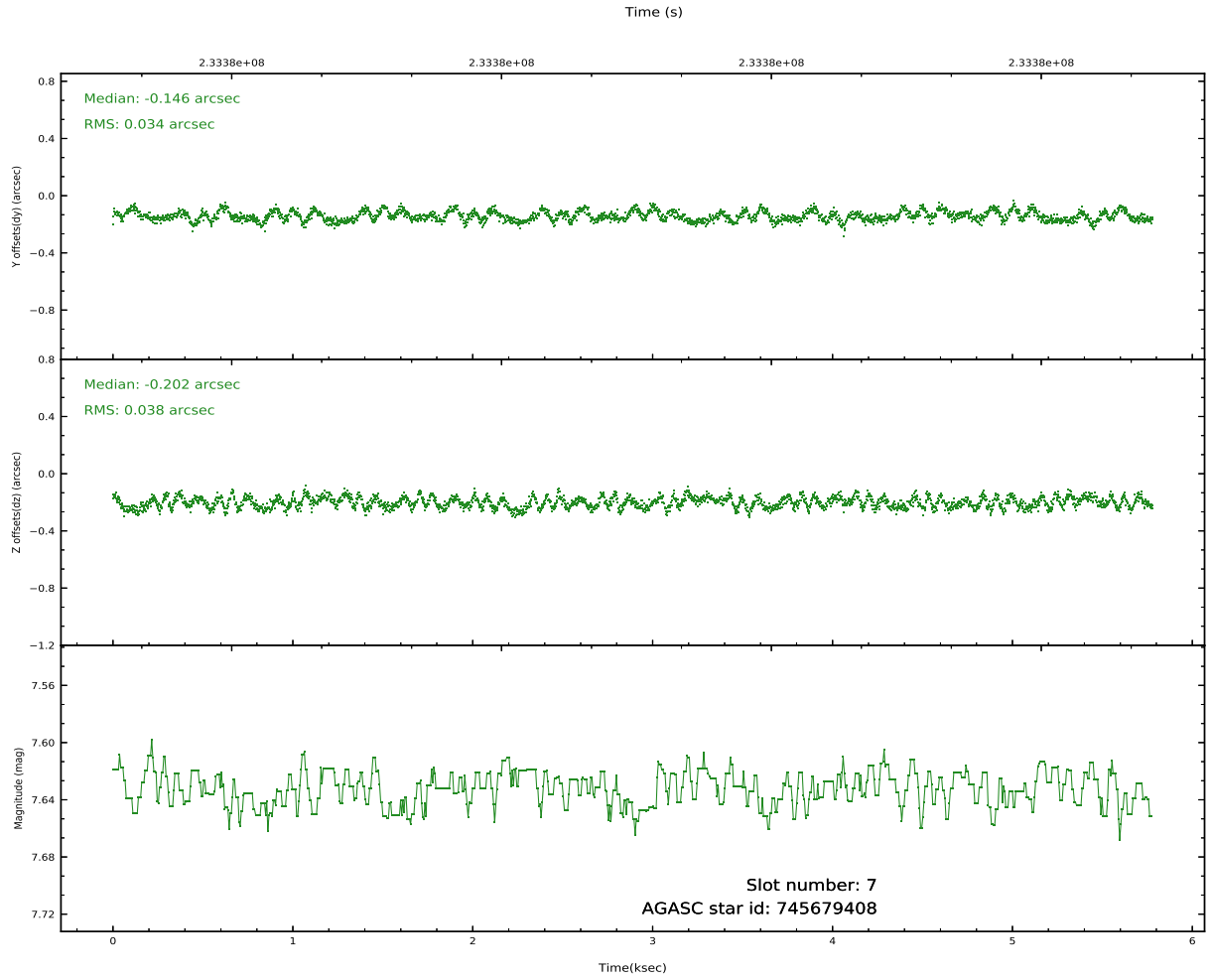
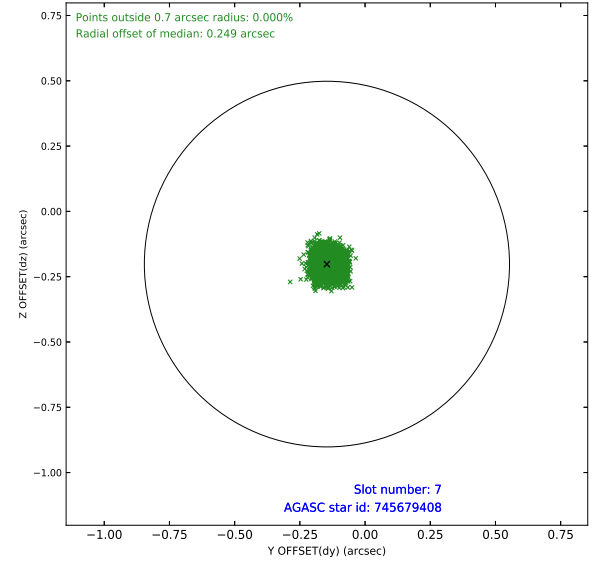
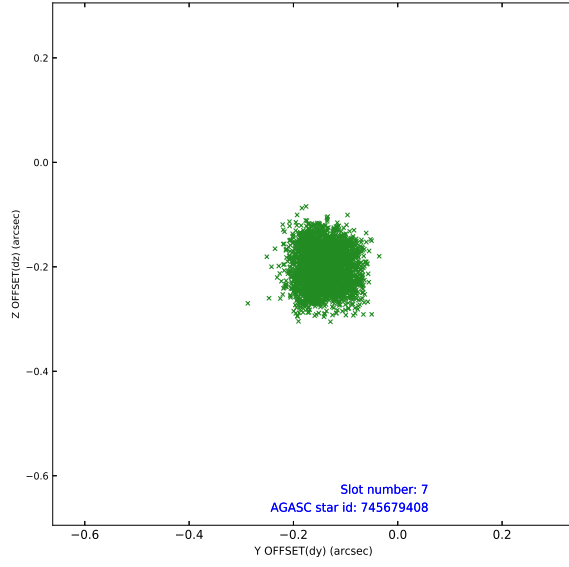
2.4.3 Slot 5



2.4.4 Slot 6

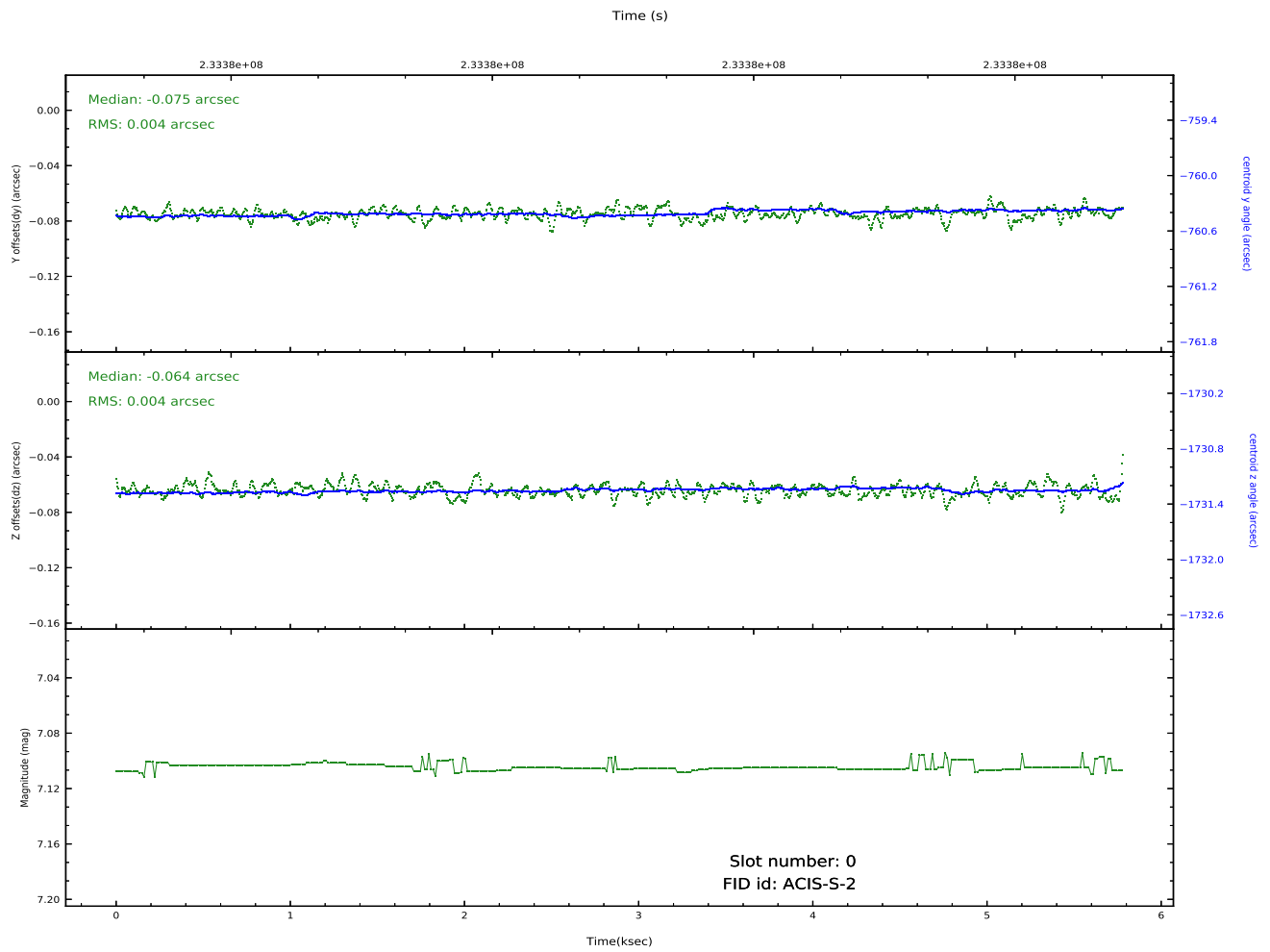
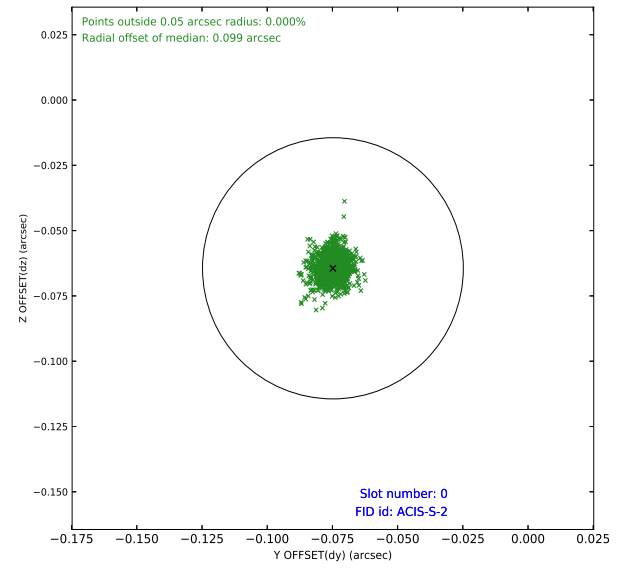
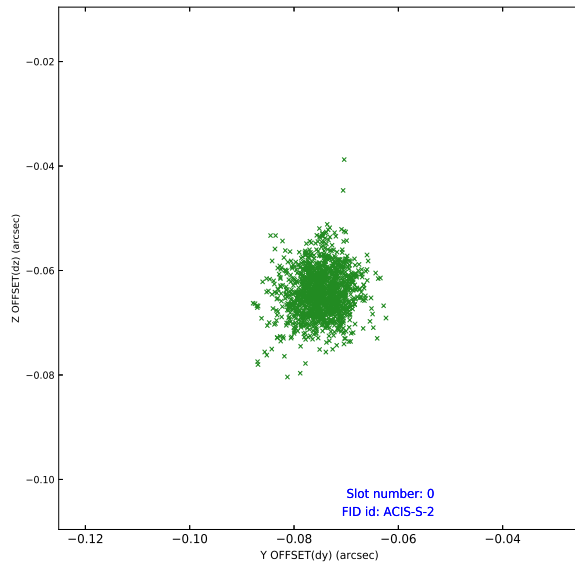


2.4.5 Slot 7

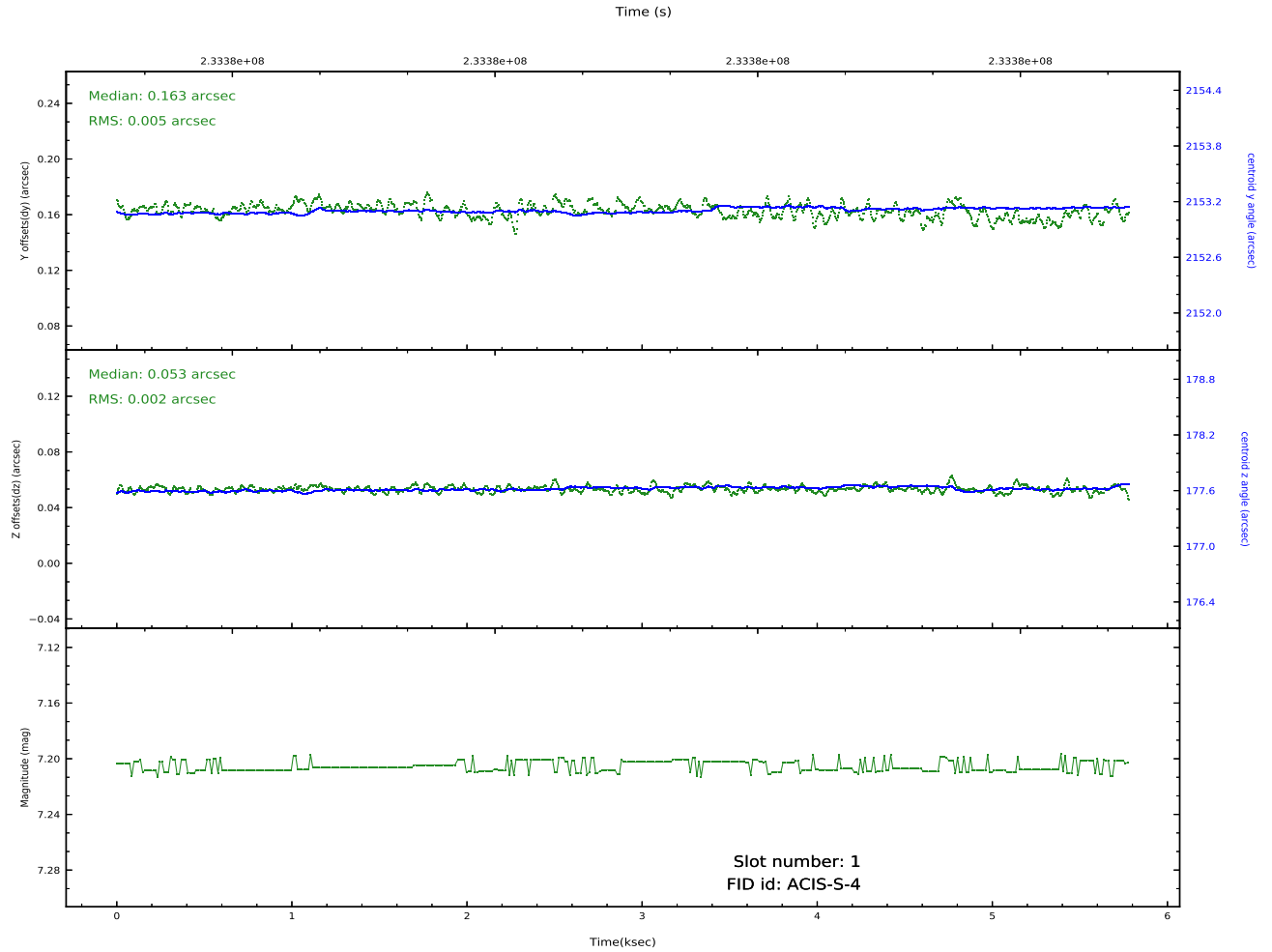
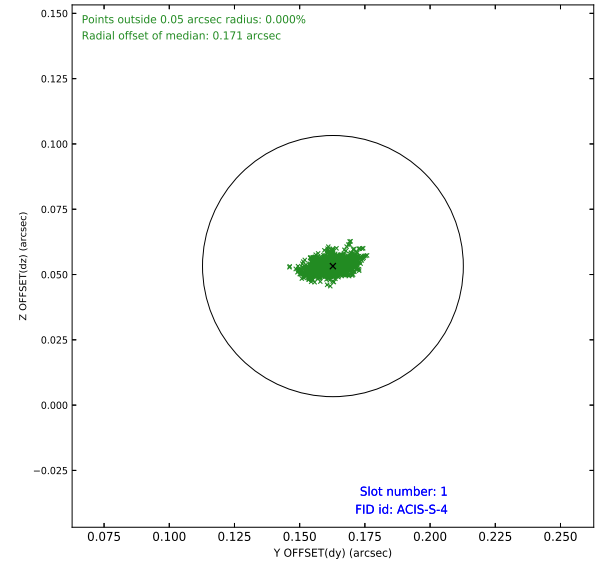
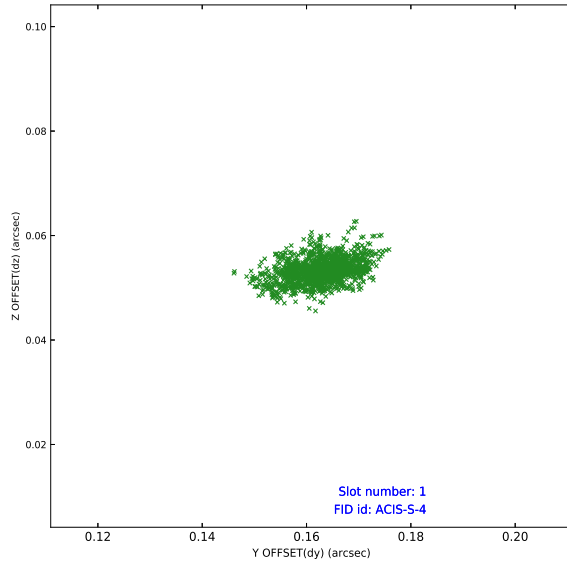


2.5 FID Slots

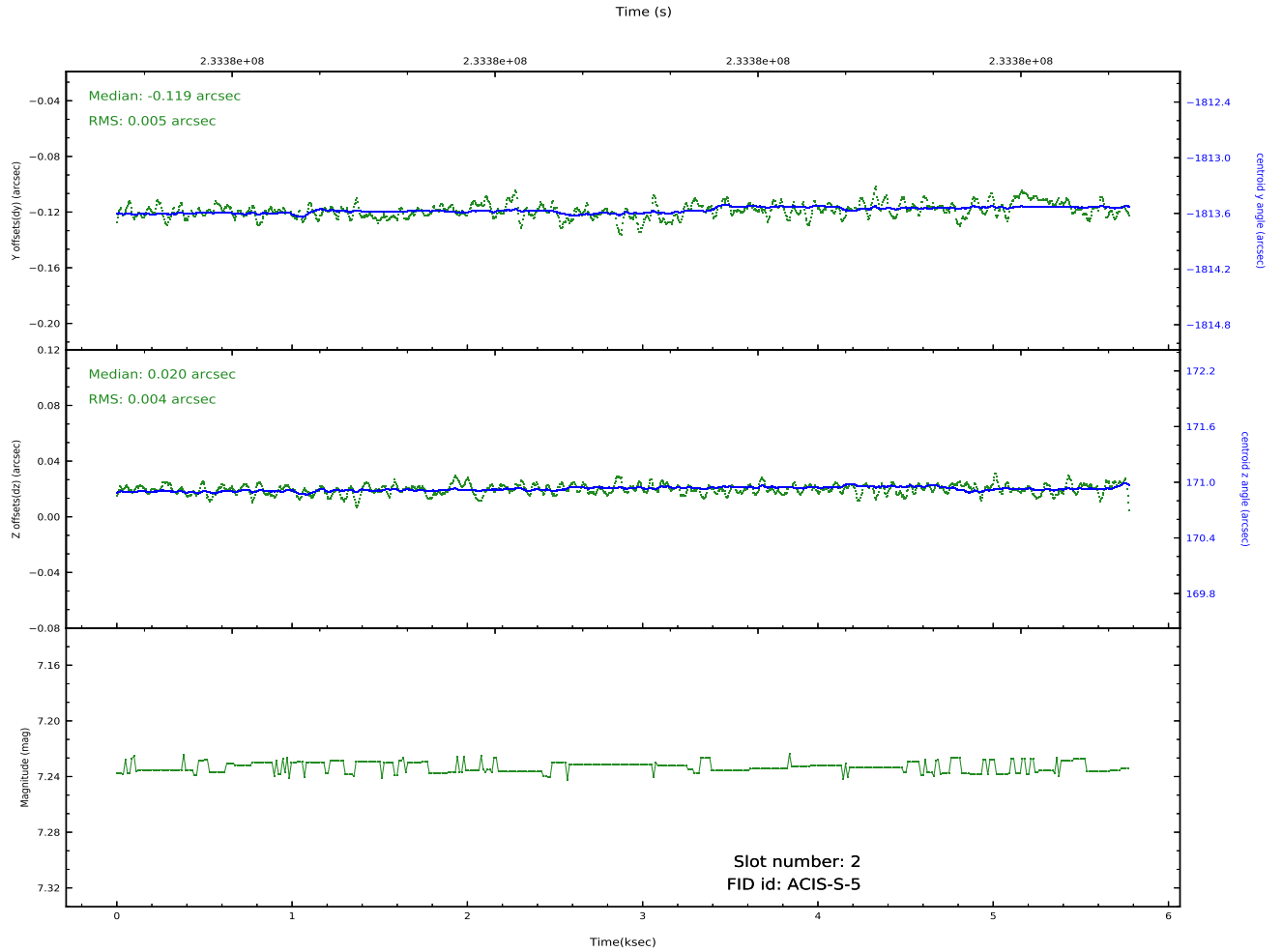
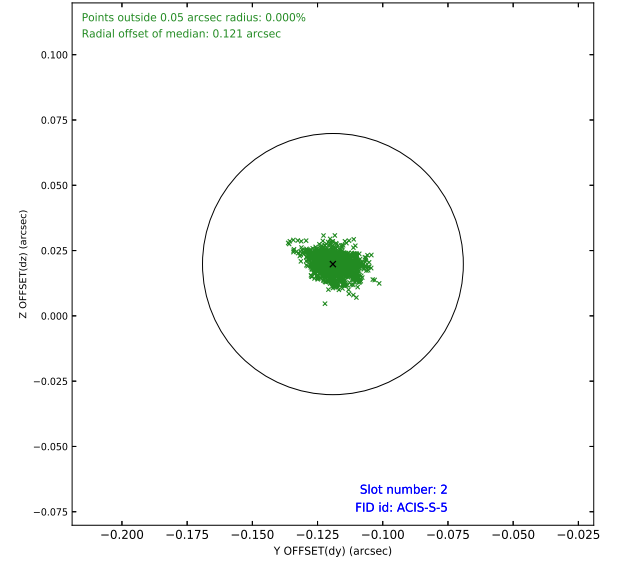
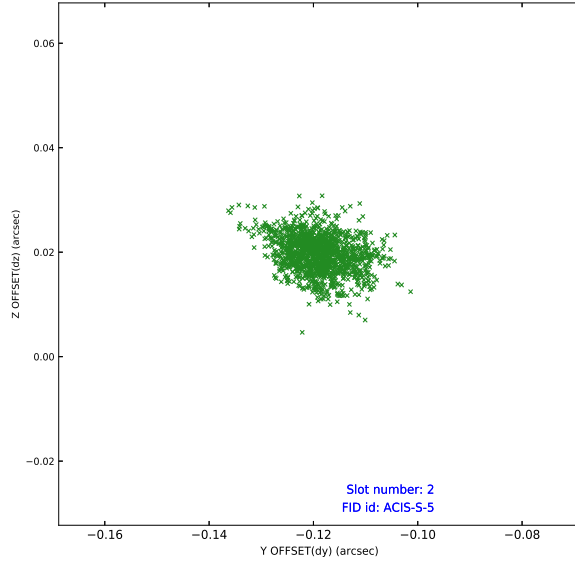
2.5.1 Slot 0



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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956799

A.2 Comments