

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5697 - L2 Version 4
Chandra X-Ray Center

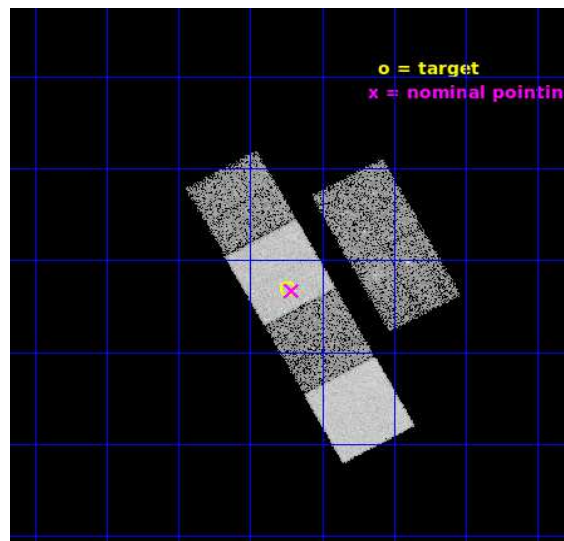
L2 Processing Date : Oct 7 2020

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1 Front

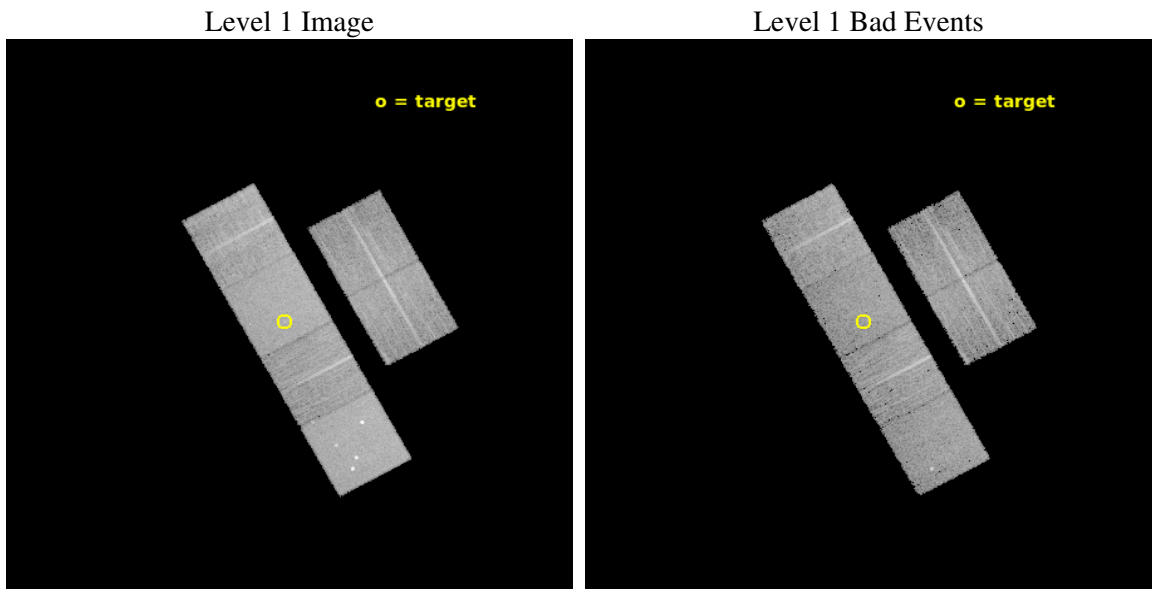
seq_num	701119	Sequence number
obs_id	5697	Observation id
title	Studying the X-ray properties of SDSS candidate Type II quasars with exploratory Chandra observations	Proposal title
observer	Cristian Vignali	Principal investigator
object	SDSS J115314.36+032658.6	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.31	Observer's specified target RA [deg]
dec_targ	3.449611	Observer's specified target Dec [deg]
ra_nom	178.30265518328	Nominal RA [deg]
dec_nom	3.4452732349664	Nominal Dec [deg]
roll_nom	241.17661926633	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime2	8278.3999691606	Sum of GTIs [s]
ontime3	8278.3999691606	Sum of GTIs [s]
ontime5	8278.3999691606	Sum of GTIs [s]
ontime6	8278.3999691606	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
ontime8	8278.3999691606	Sum of GTIs [s]
l2events	102534	Number of level 2 events



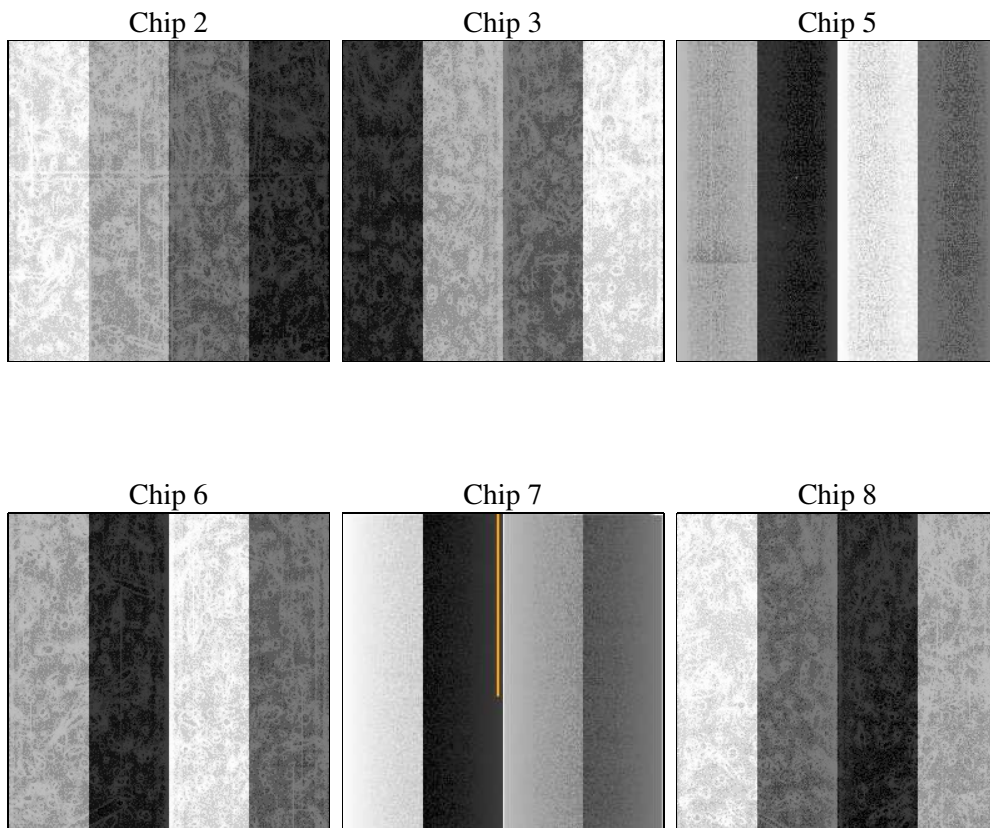
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8100.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	8278.3999691606	Sum of GTIs [s]
date	2020-10-07T18:10:32	Date and time of file creation	ontime3	8278.3999691606	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	8278.3999691606	Sum of GTIs [s]
			ontime6	8278.3999691606	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			ontime8	8278.3999691606	Sum of GTIs [s]
			l1events	507539	Number of level 1 events

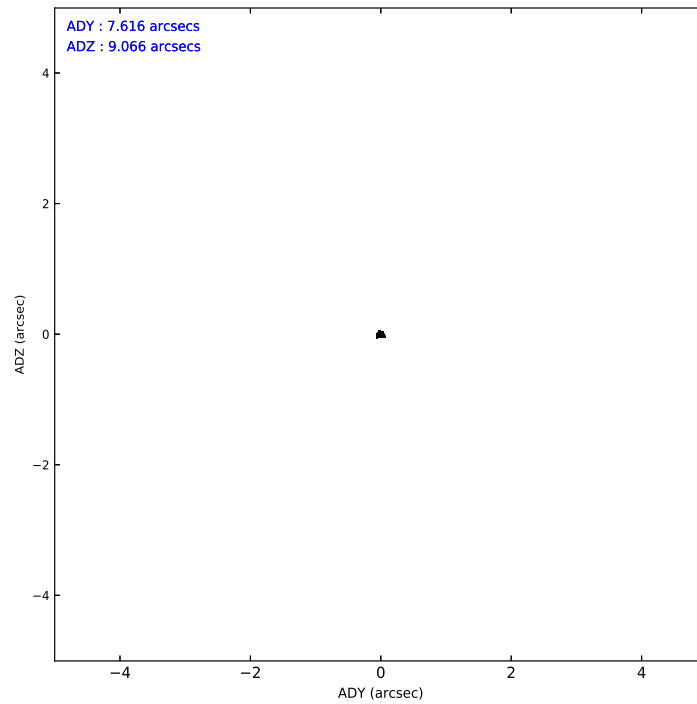
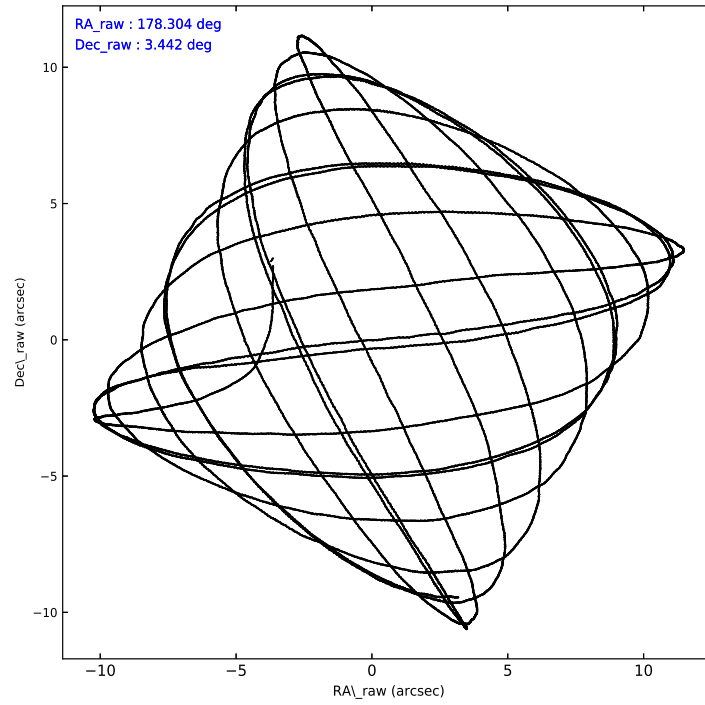
2.1.4 Events

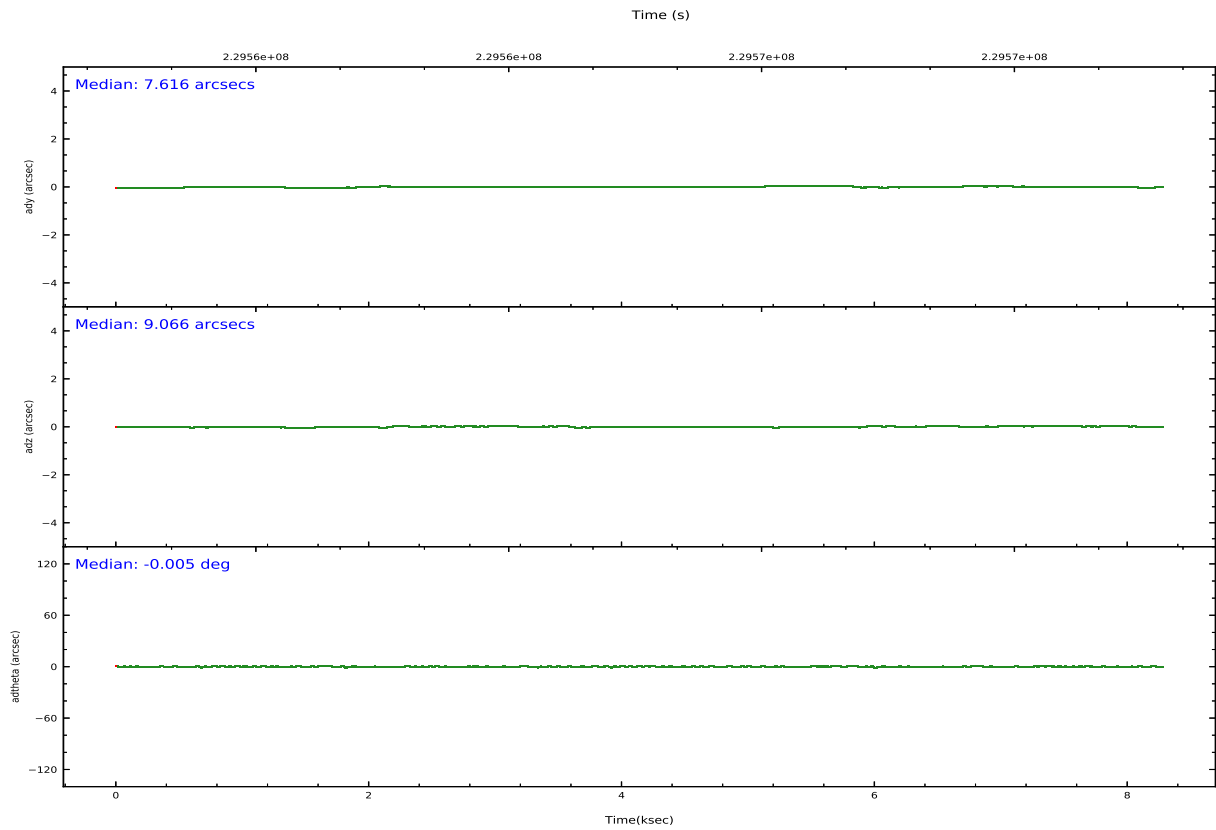
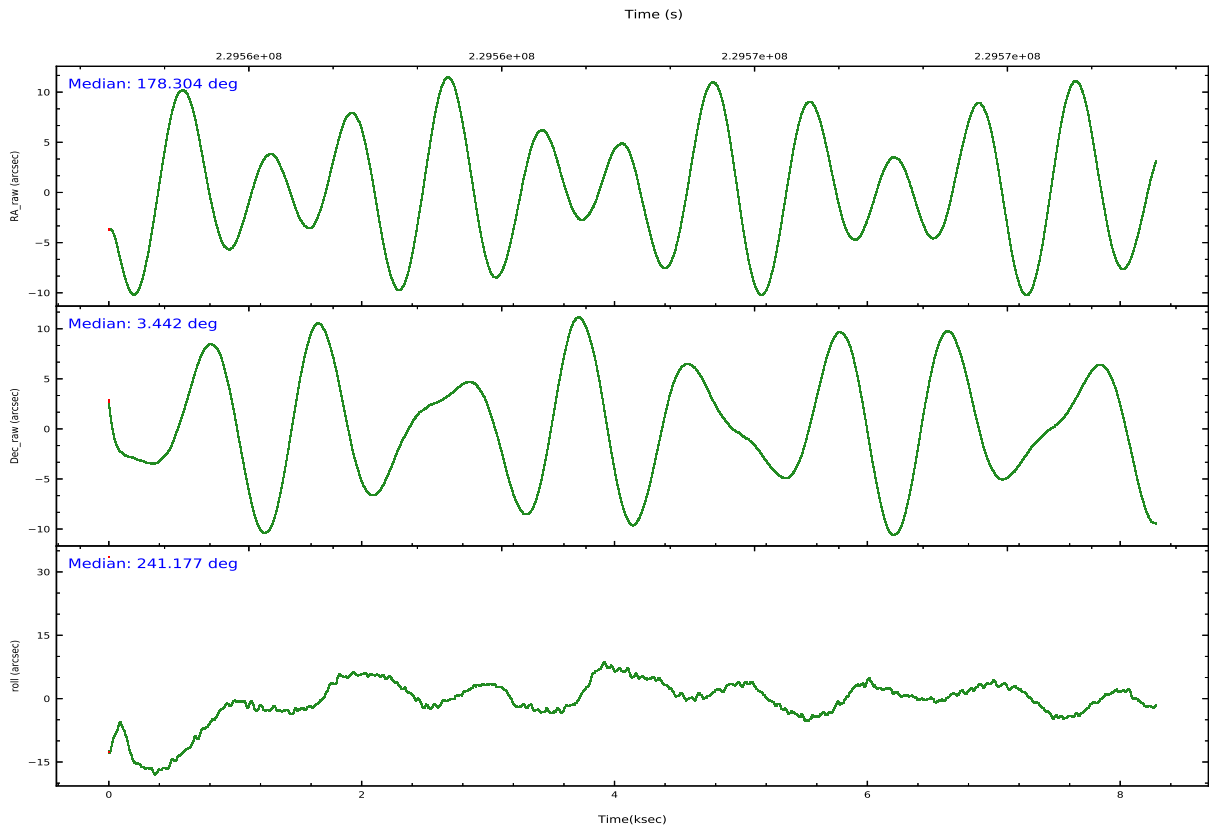
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	71605	66427	109664	73580	96787	89476	grade 0 events	4347	3717	7407	3518	3854	6207
rejected events	63519	58843	63188	65933	61011	72278		6%	5%	6%	4%	3%	6%
rejected %	88%	88%	57%	89%	63%	80%	grade 1 events	39	41	186	40	87	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	1717	1657	15293	1797	8056	4343
								2%	2%	13%	2%	8%	4%
							grade 3 events	751	825	1860	777	3519	2050
								1%	1%	1%	1%	3%	2%
							grade 4 events	774	794	1759	842	3456	2003
								1%	1%	1%	1%	3%	2%
							grade 5 events	2856	3207	7799	3272	9082	4470
								3%	4%	7%	4%	9%	4%
							grade 6 events	1344	1462	25542	1762	21300	5075
								1%	2%	23%	2%	22%	5%
							grade 7 events	59777	54724	49818	61572	47433	65269
								83%	82%	45%	83%	49%	72%

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	178.302982	178.30265518328	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.469302	3.4452732349664	Alternating exposures requested	N	N
[deg] Pointing Roll	241.024242	241.17661926633	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	229561077.184000	229559545.0153			
Observation start date	2005-04-10T22:56:53	2005-04-10T22:32:25			
[s] Observation end time (MET)	229569177.184000	229570140.44078			
Observation end date	2005-04-11T01:11:53	2005-04-11T01:29:00			
Read mode	TIMED	TIMED			

2.3 Aspect





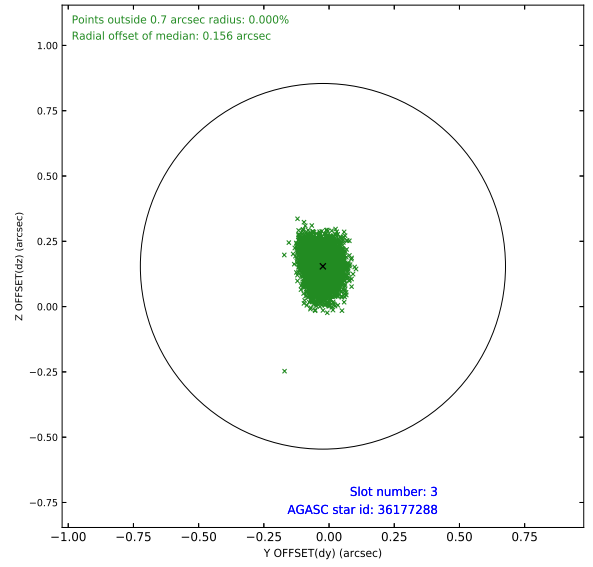
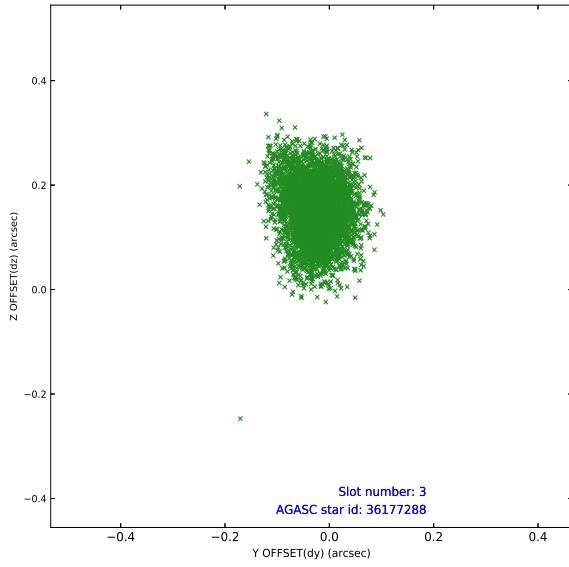
Slot Statistics

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	2021	1.000	-0.054	-0.079	0.007	0.012	0.000000	0.000000	-760.39	-1730
1	FID		ACIS-S-4	7.21	2021	1.000	0.147	0.047	0.005	0.009	0.000000	0.000000	2152.73	177
2	FID		ACIS-S-5	7.24	2019	1.000	-0.125	0.041	0.007	0.012	0.000000	0.000000	-1812.49	172
3	GUIDE	used	36177288	8.08	4042	1.000	-0.023	0.154	0.074	0.122	178.779743	3.218634	-41.18	1936
4	GUIDE	used	36182136	9.34	4035	1.000	0.043	-0.026	0.105	0.172	177.980361	3.762317	-361.15	-1524
5	GUIDE	used	36183400	9.33	4034	1.000	0.076	-0.070	0.085	0.134	178.147022	3.151997	1270.96	62
6	GUIDE	used	36183880	8.53	4041	1.000	0.071	-0.155	0.099	0.148	178.107077	3.094976	1521.17	36
7	GUIDE	used	36185104	9.35	4041	1.000	-0.155	0.110	0.218	0.309	178.492899	3.230860	420.45	1013

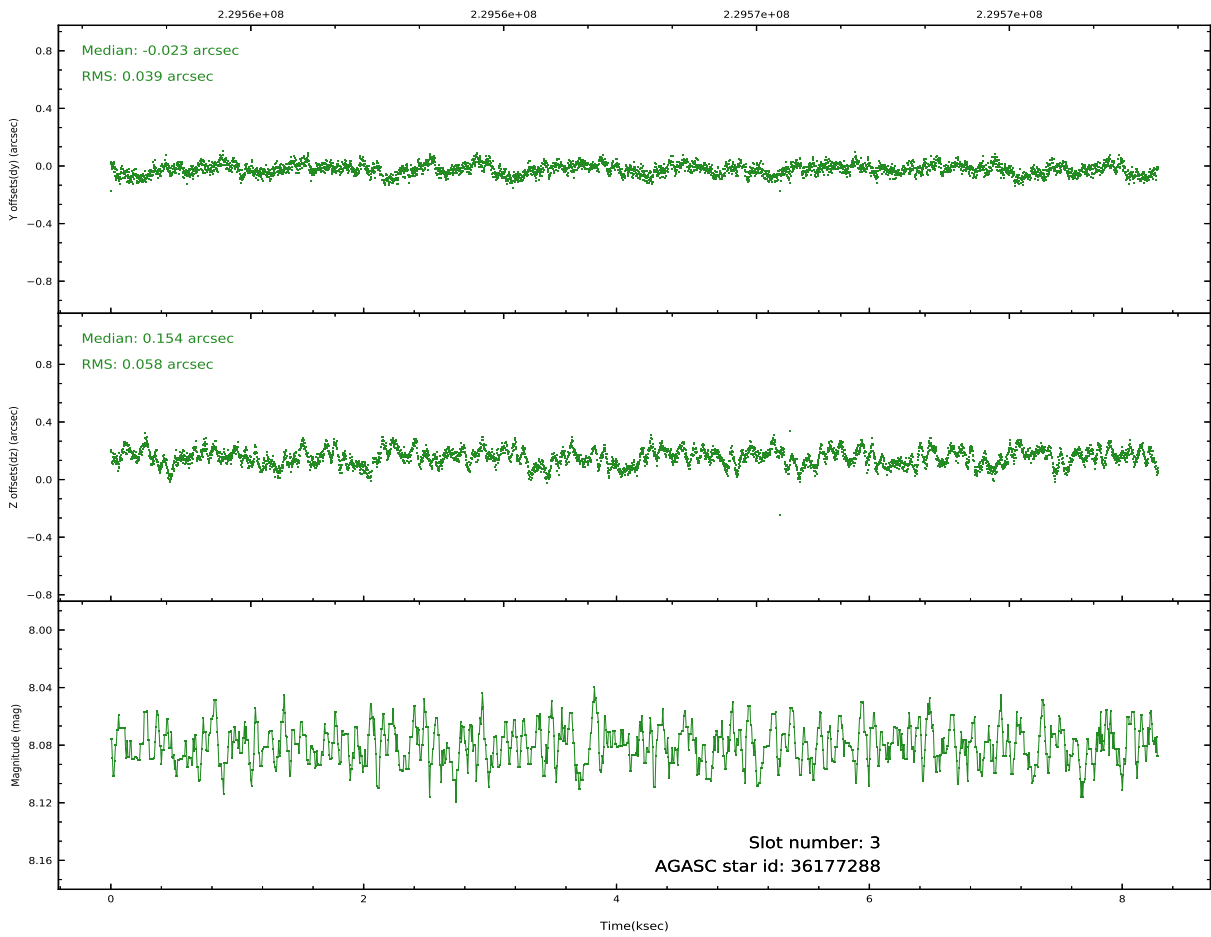
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2.4 Star Slots

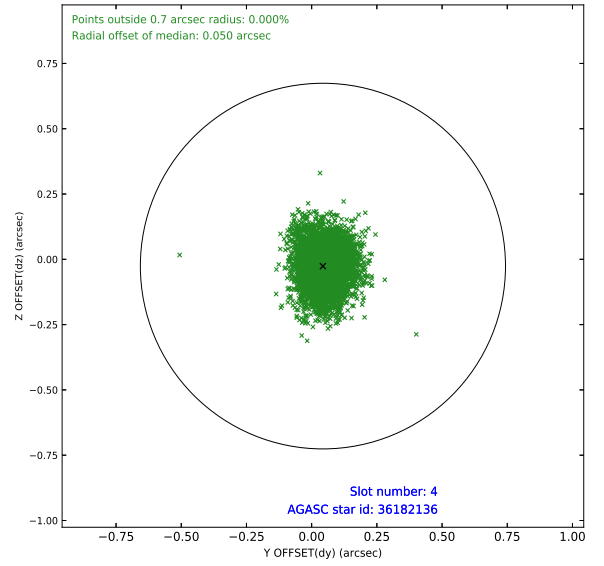
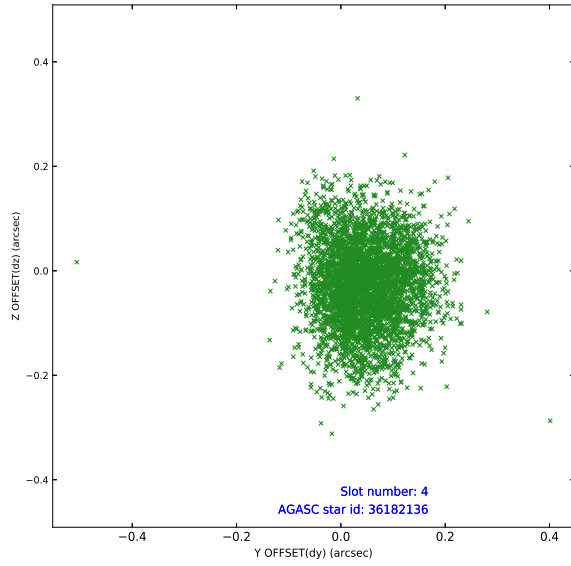
2.4.1 Slot 3



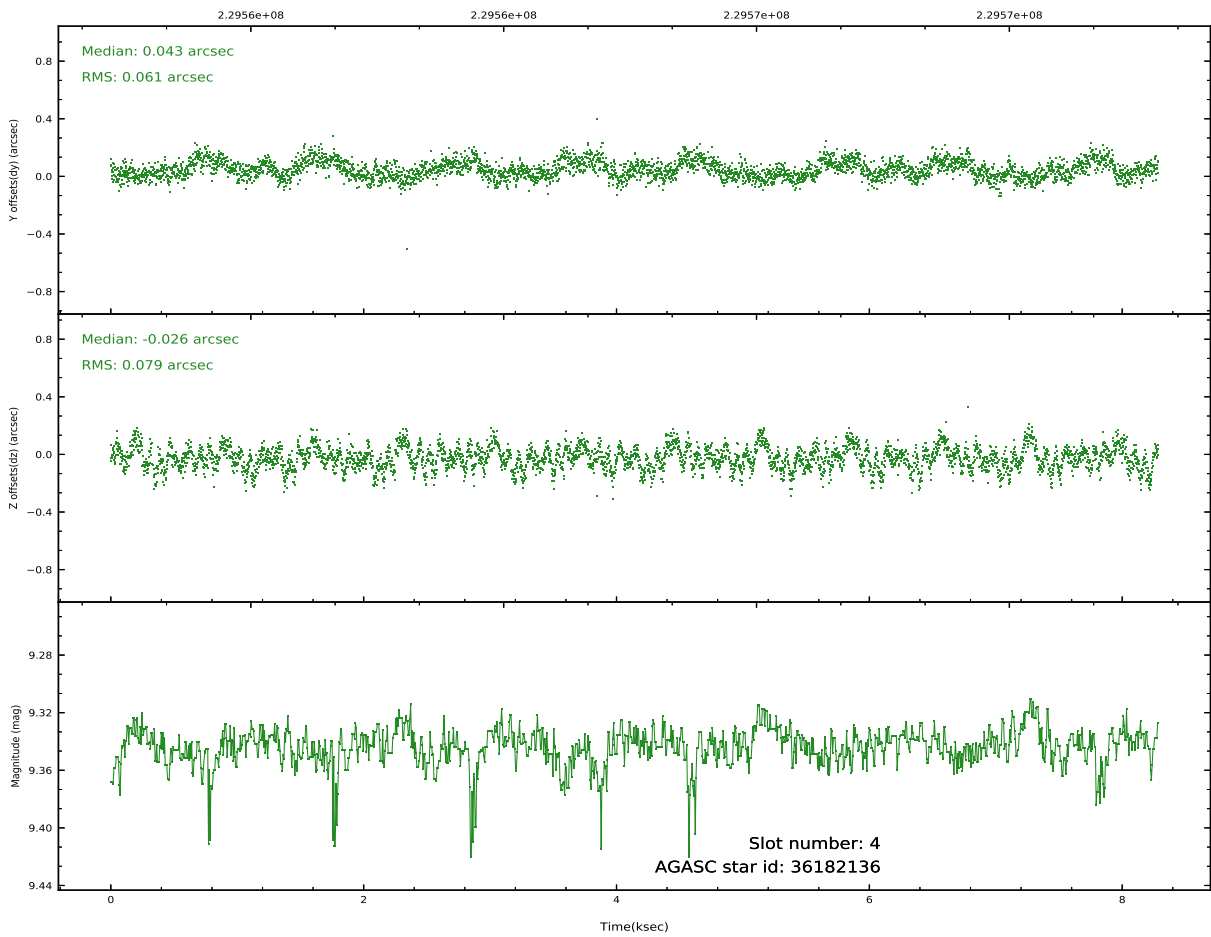
Time (s)



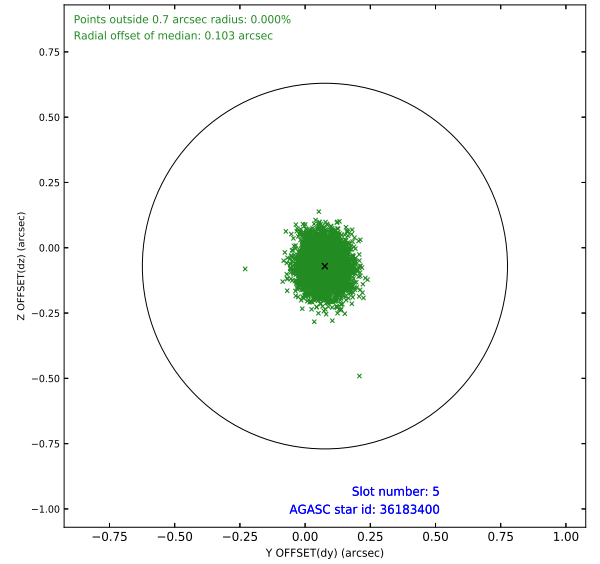
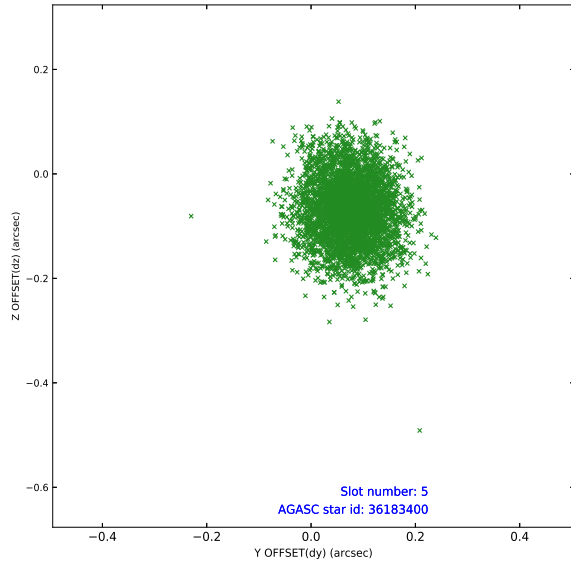
2.4.2 Slot 4



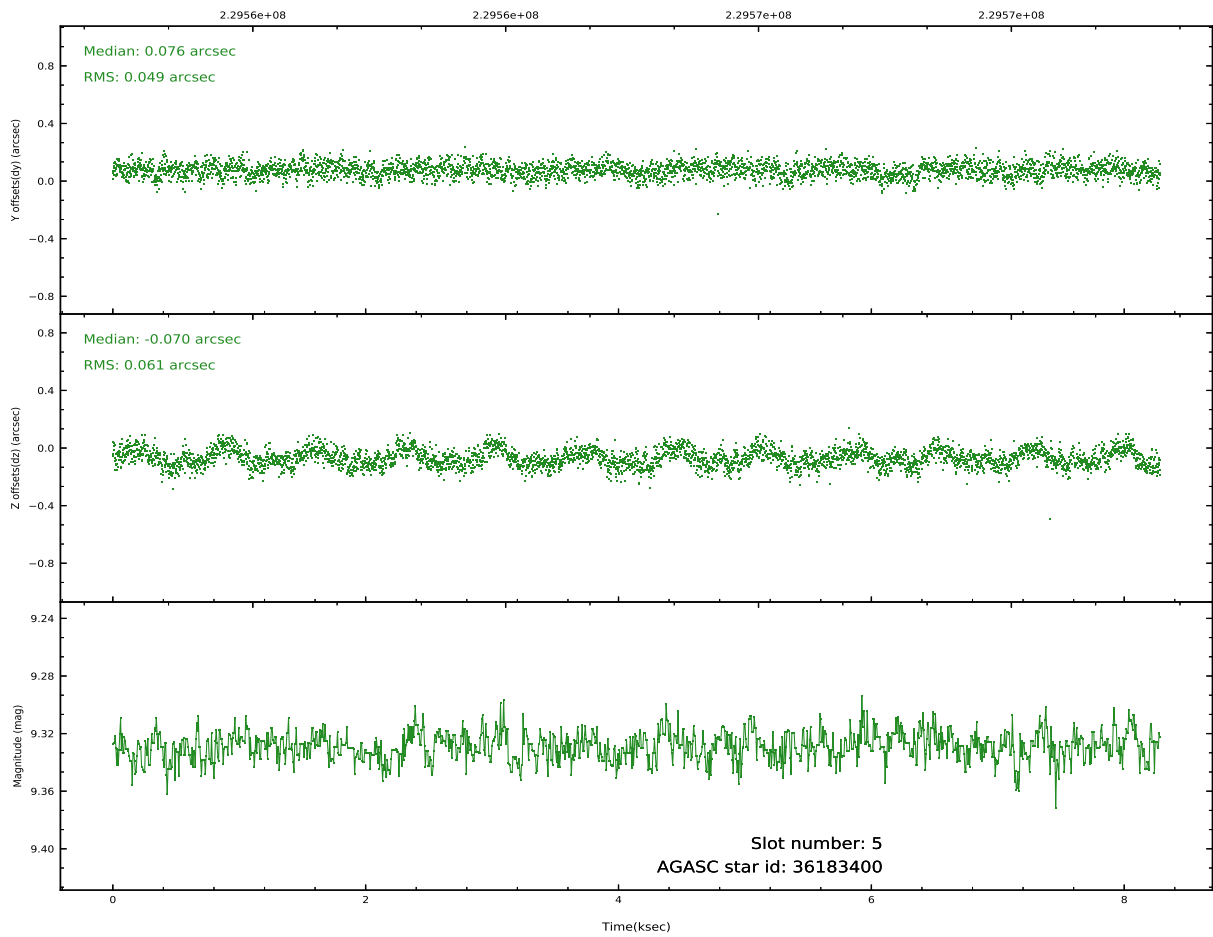
Time (s)



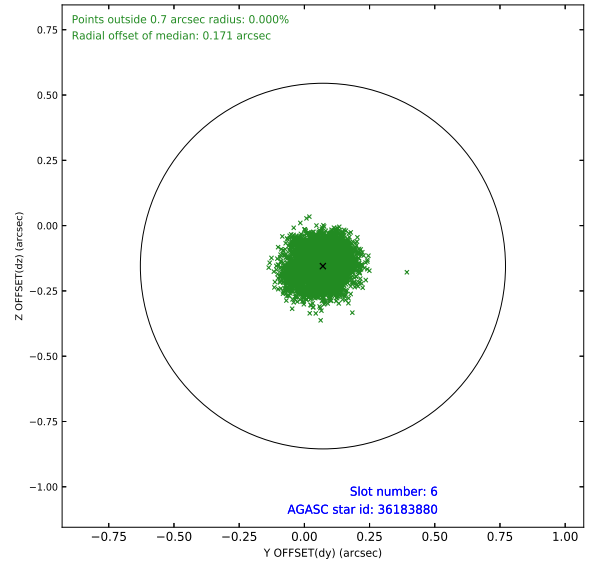
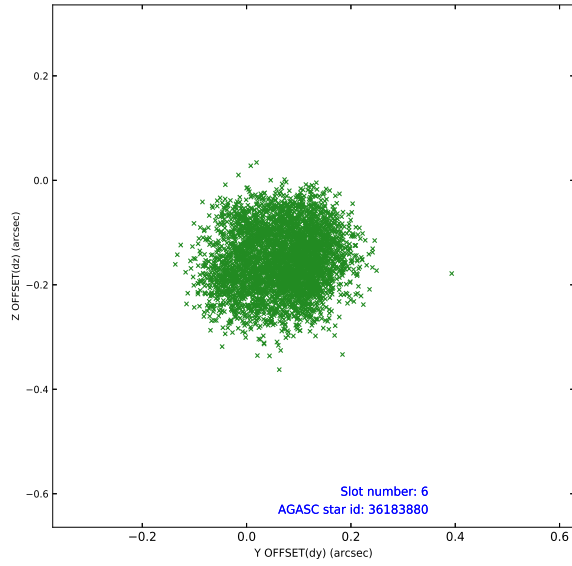
2.4.3 Slot 5



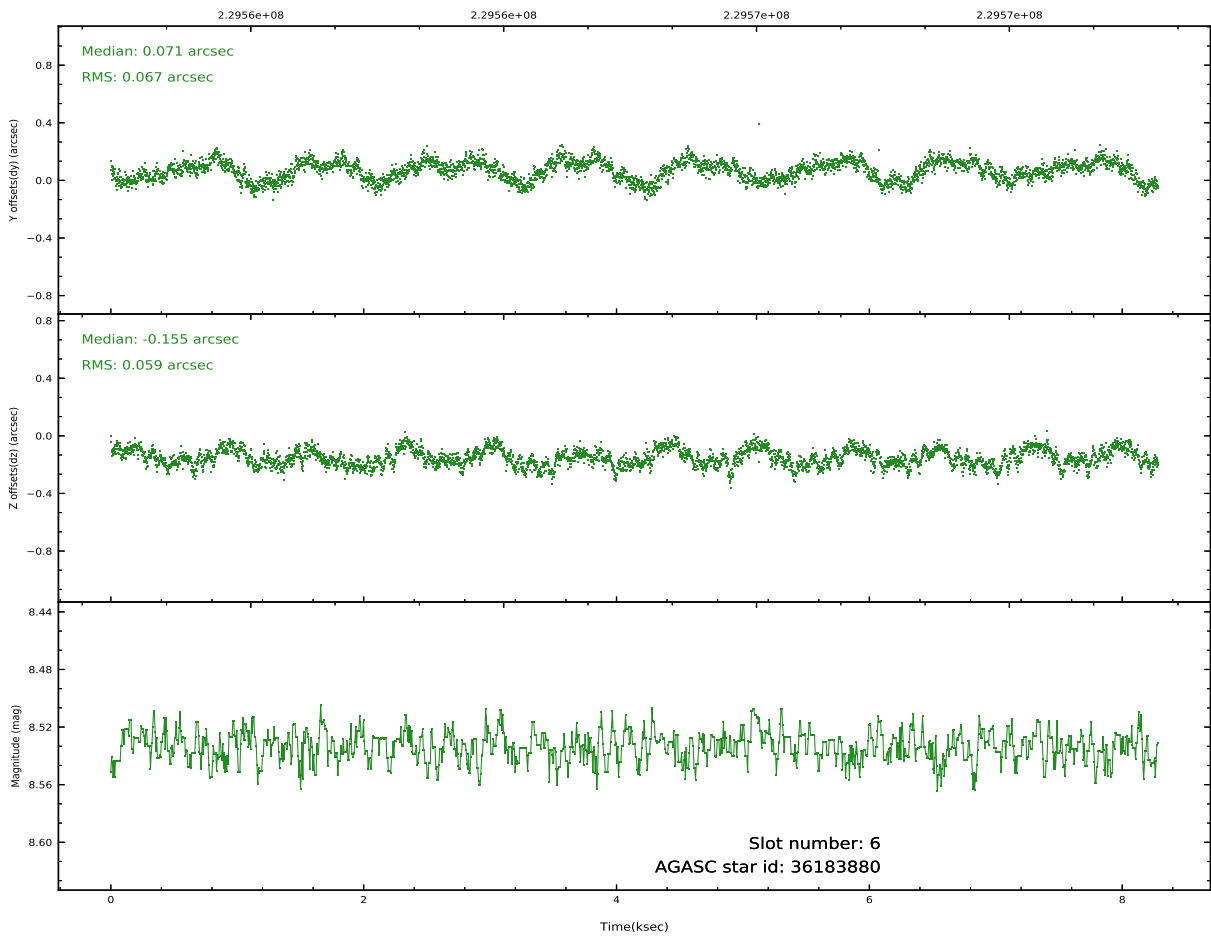
Time (s)



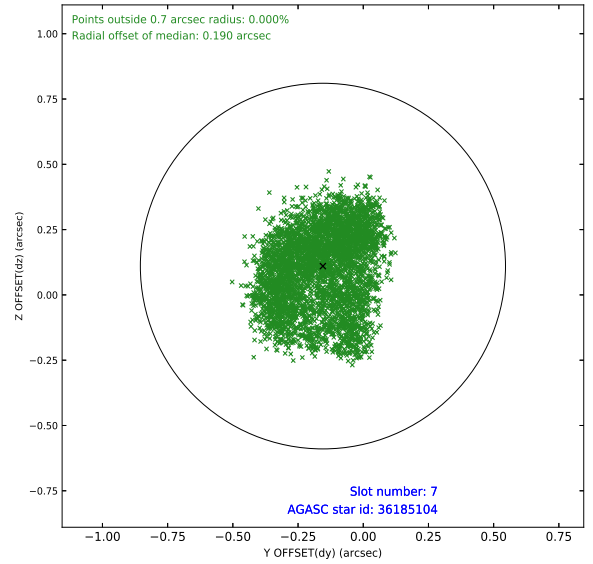
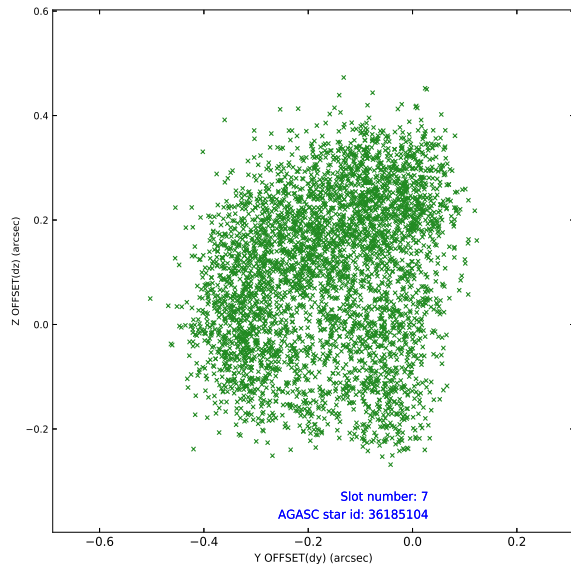
2.4.4 Slot 6



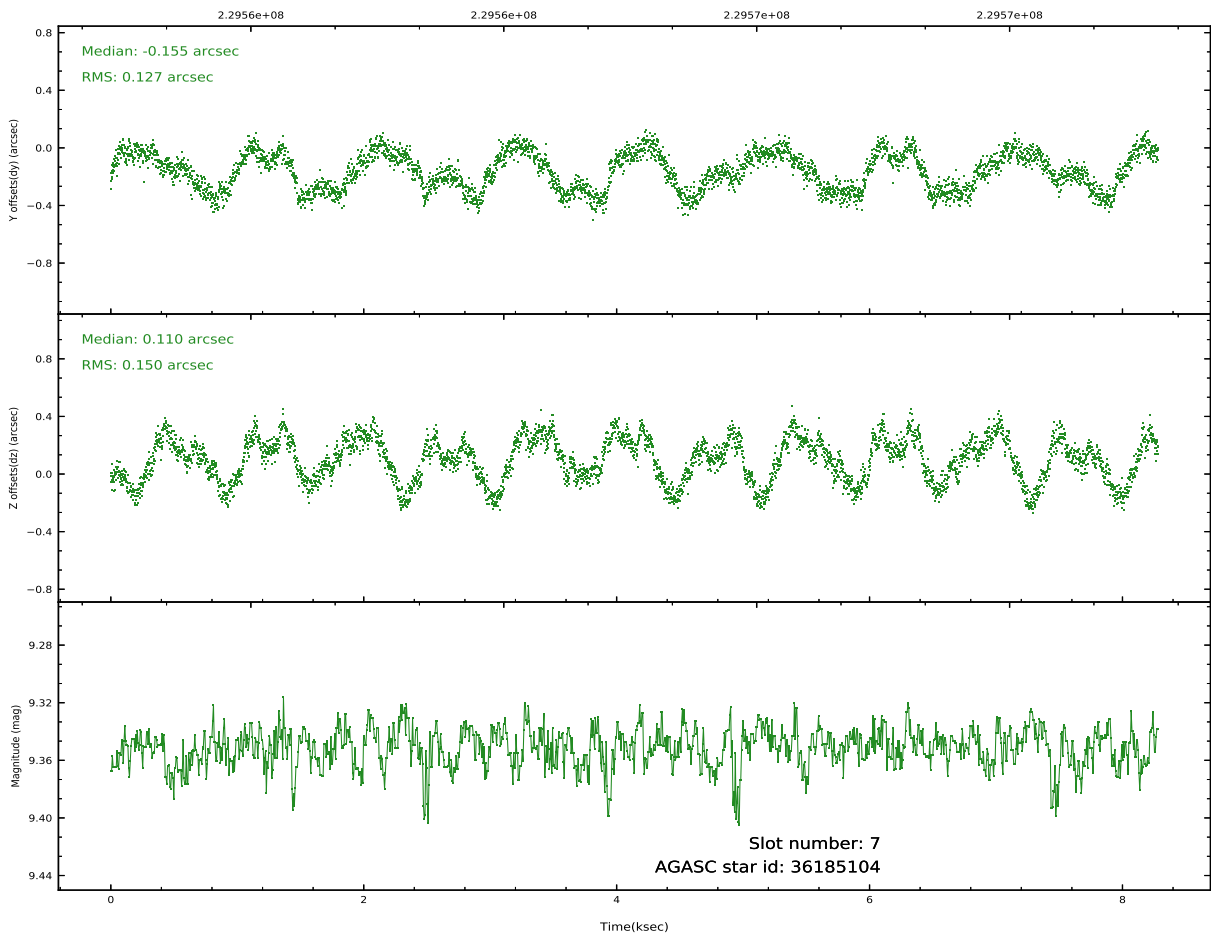
Time (s)



2.4.5 Slot 7

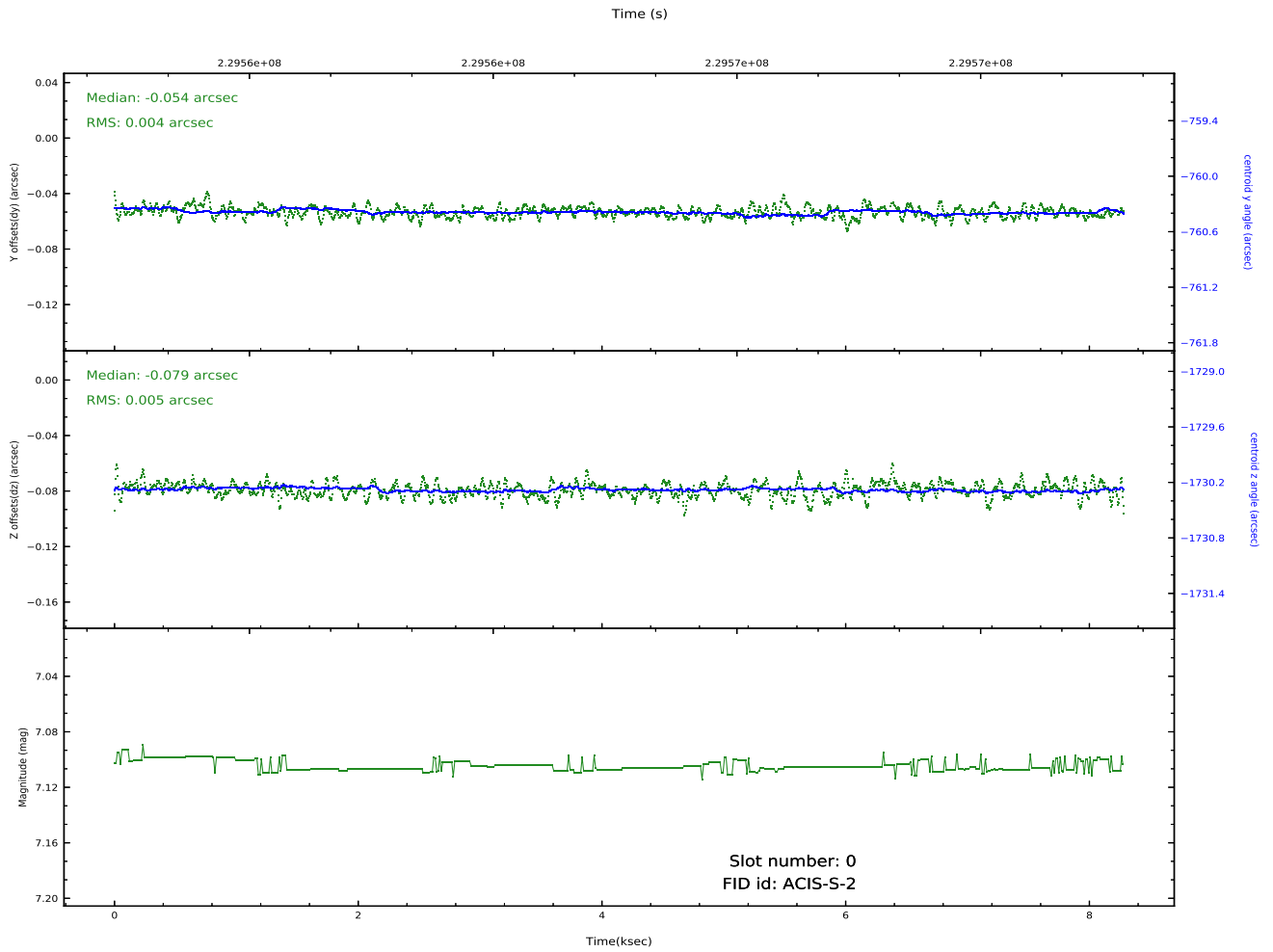
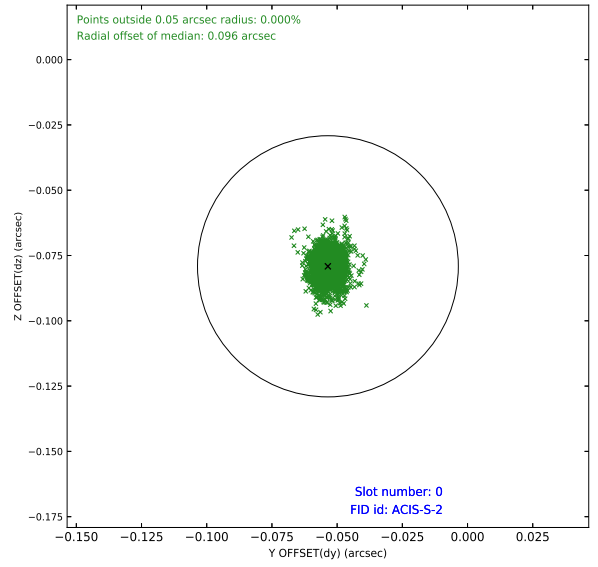
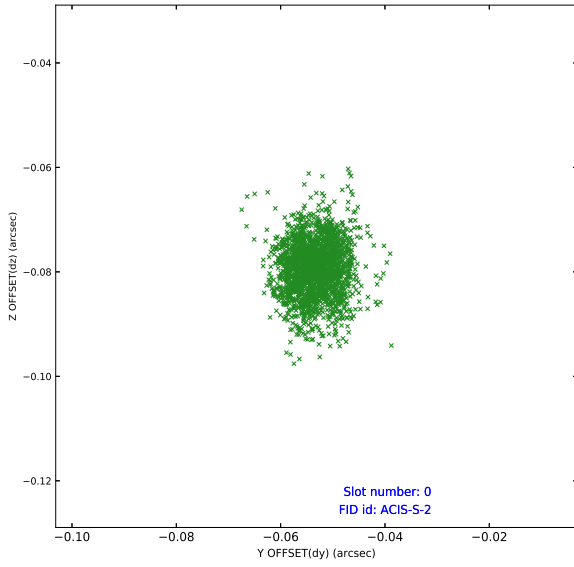


Time (s)

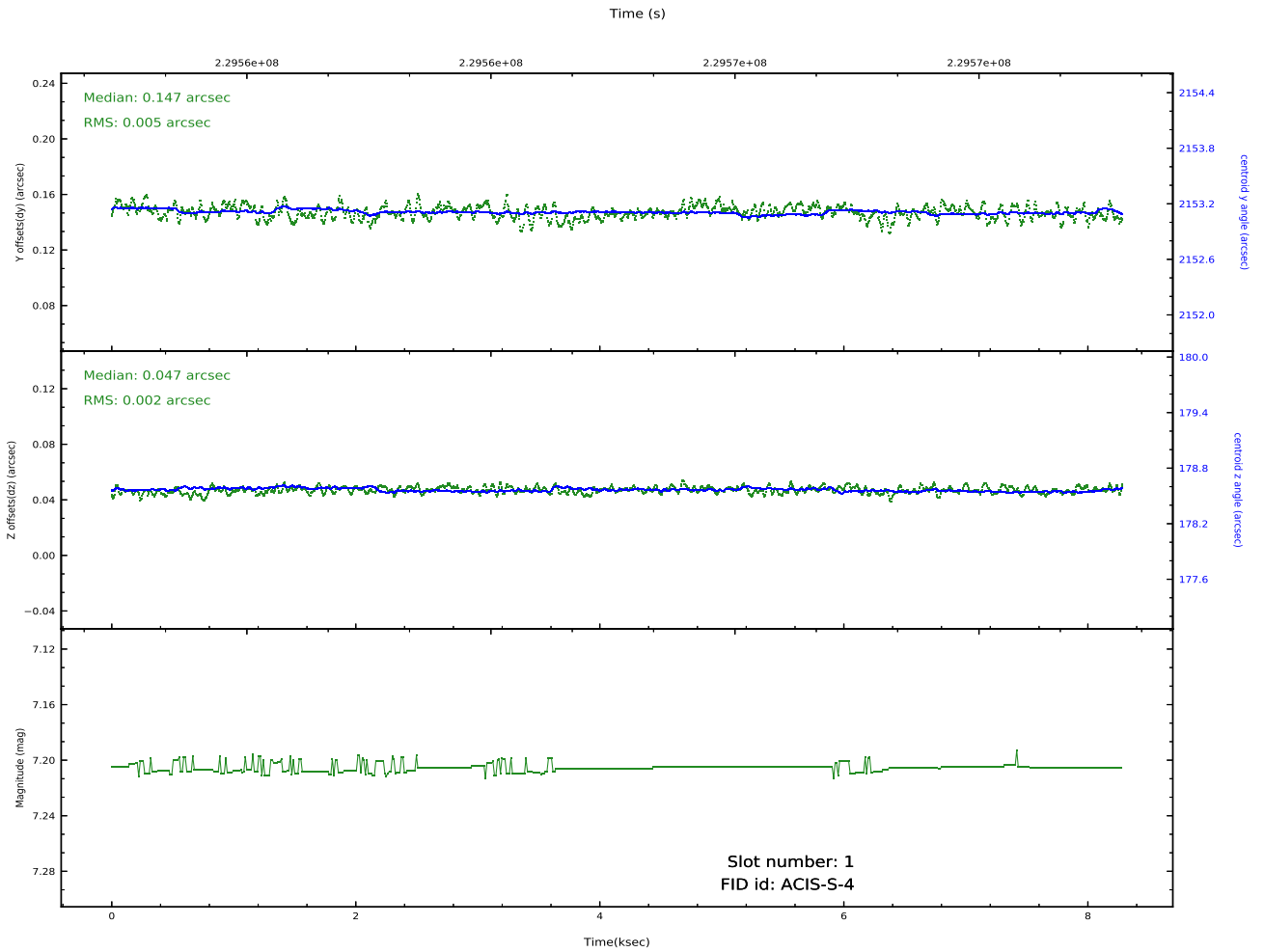
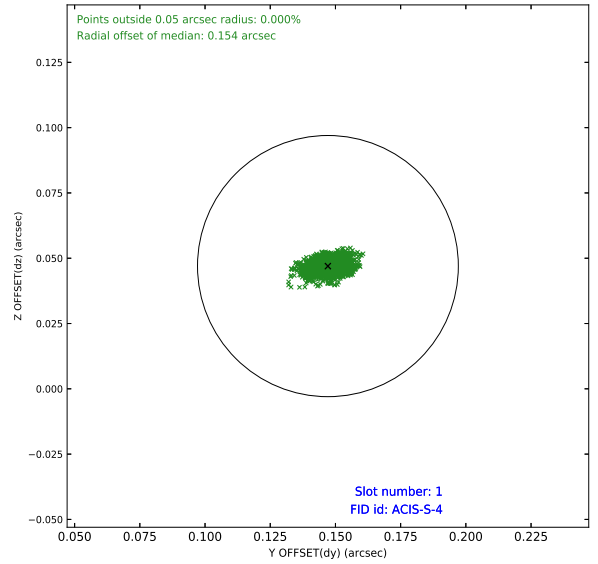
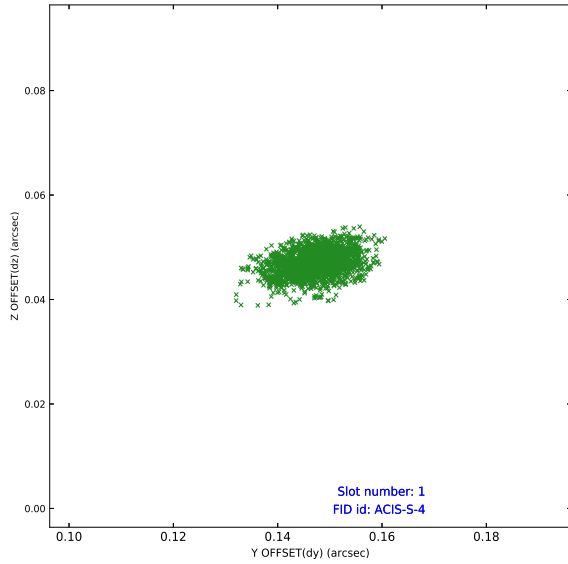


2.5 FID Slots

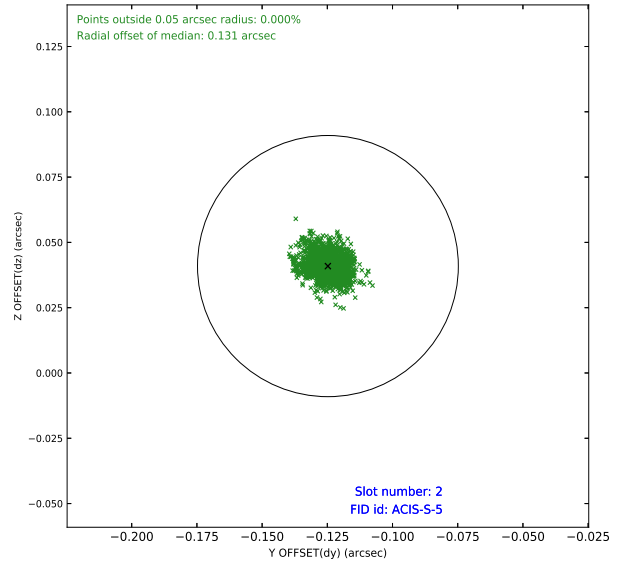
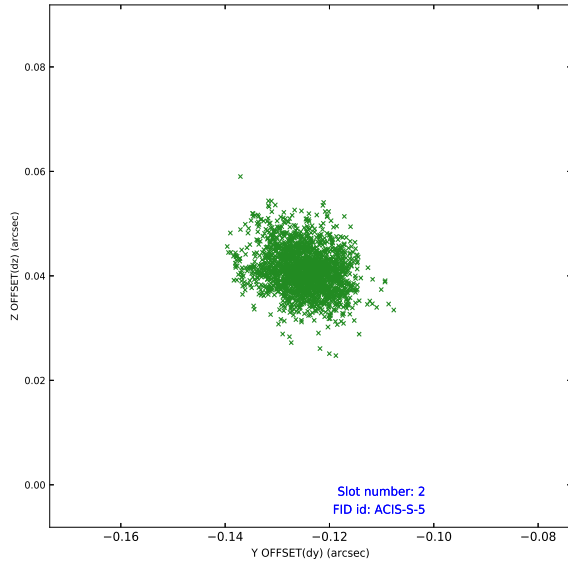
2.5.1 Slot 0



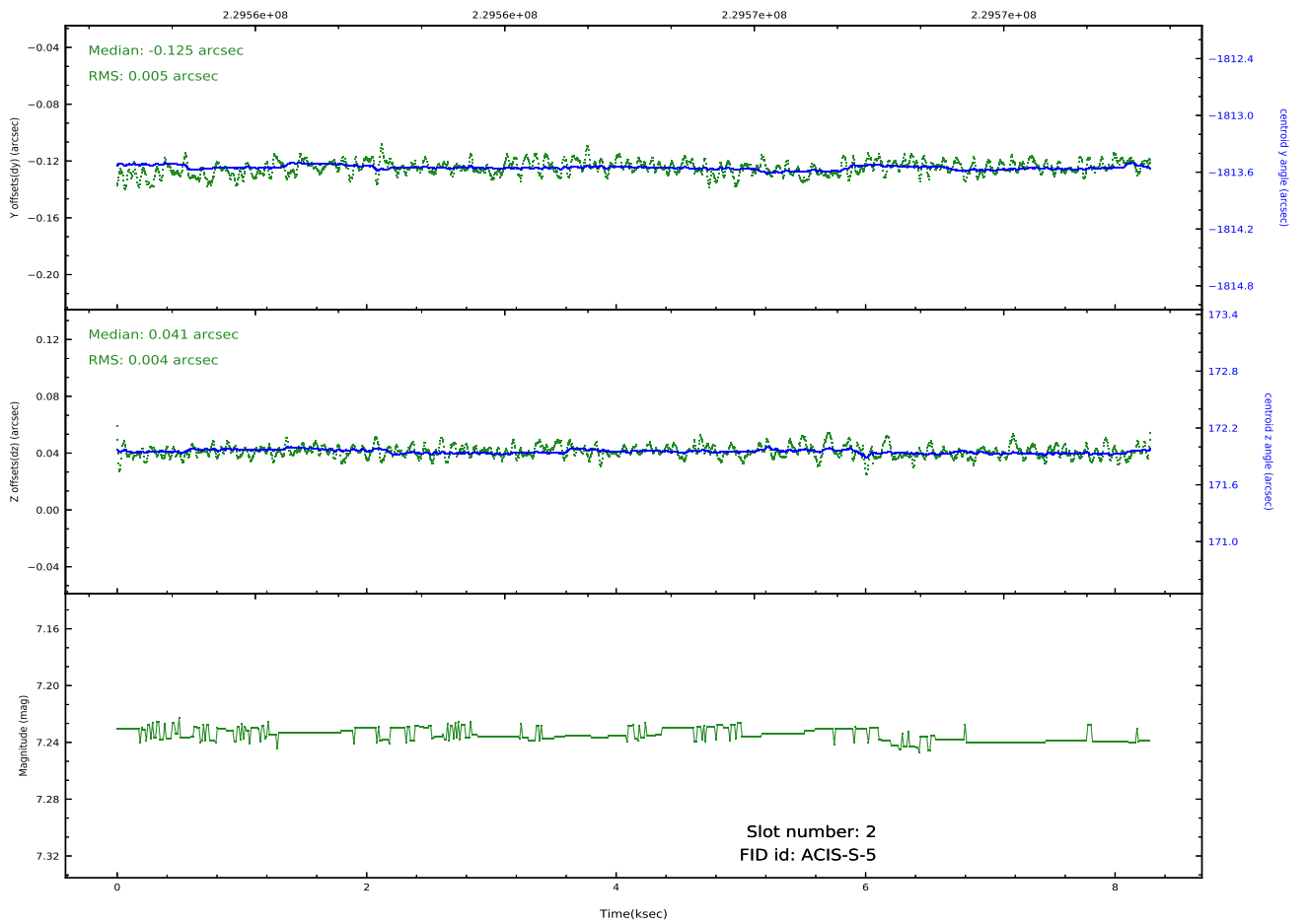
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.278399

A.2 Comments