

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5245 - L2 Version 4
Chandra X-Ray Center

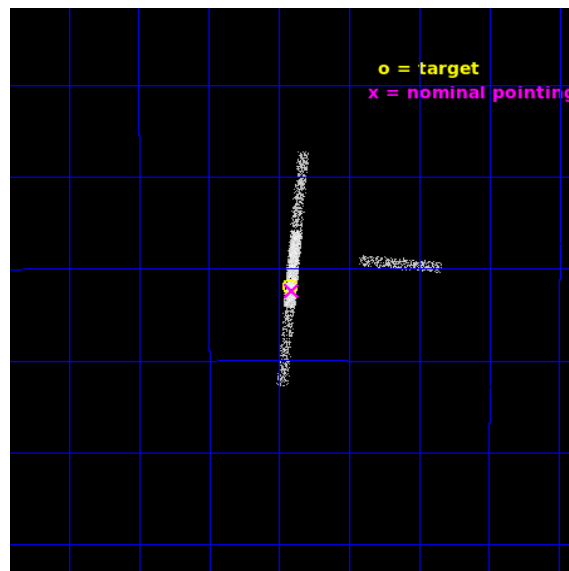
L2 Processing Date : Sep 24 2020

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1 Front

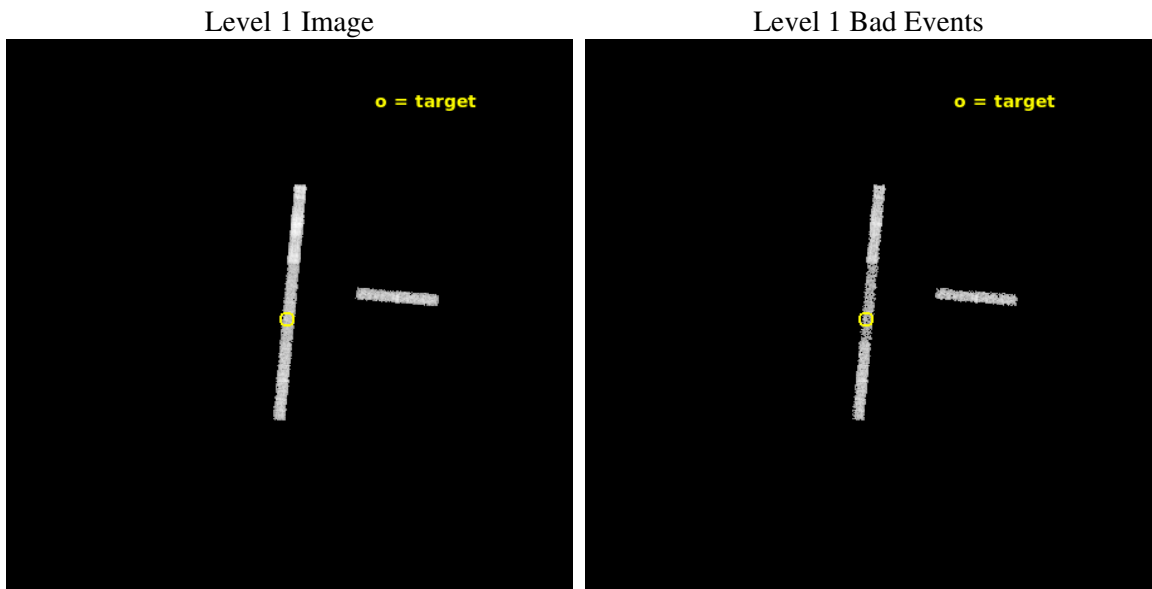
seq_num	701010	Sequence number
obs_id	5245	Observation id
title	Towards a microlensing mapping of an accretion disk	Proposal title
observer	Dr Jean-Francois Claeskens	Principal investigator
object	1RXSJ113155.4-123155	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.980833	Observer's specified target RA [deg]
dec_targ	-12.531944	Observer's specified target Dec [deg]
ra_nom	172.97706402947	Nominal RA [deg]
dec_nom	-12.539874178379	Nominal Dec [deg]
roll_nom	275.03123086336	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5159.9999487698	Sum of GTIs [s]
livetime	4829.651767849	Livetime [s]
ontime3	5159.9999487698	Sum of GTIs [s]
ontime6	5159.9999487698	Sum of GTIs [s]
ontime7	5159.9999487698	Sum of GTIs [s]
ontime8	5159.9999487698	Sum of GTIs [s]
l2events	3563	Number of level 2 events



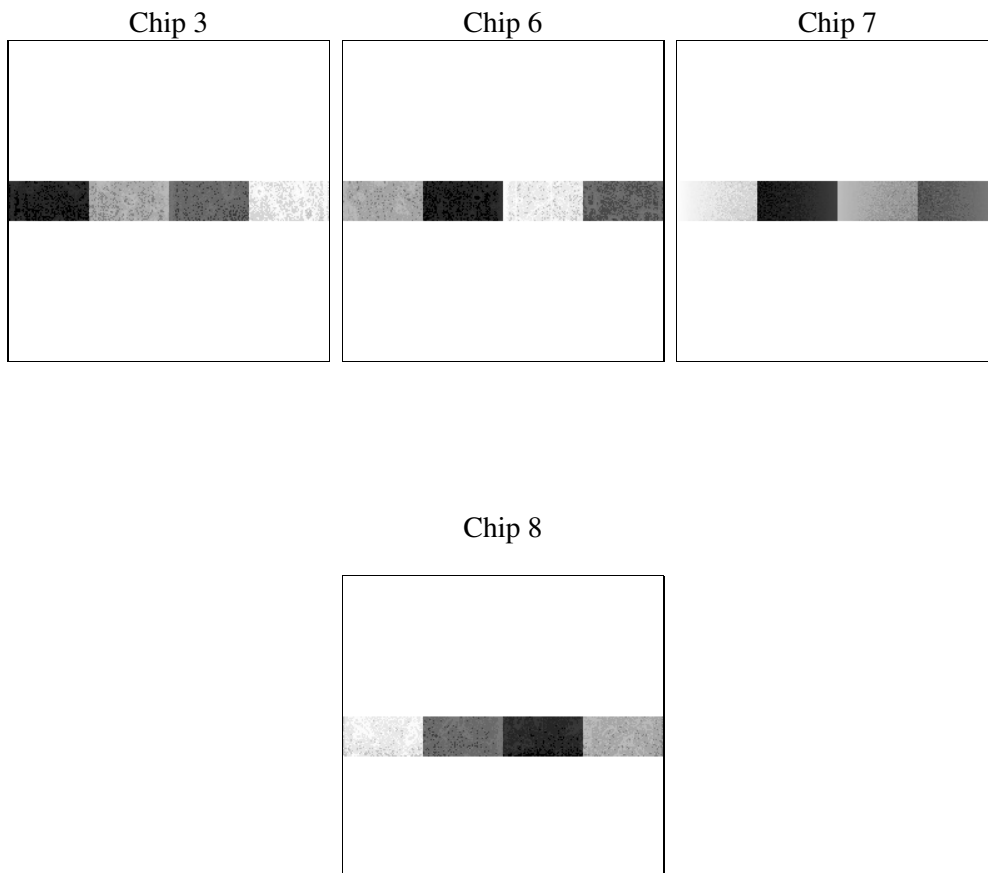
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5159.9999487698	Sum of GTIs [s]
caldbver	4.9.2	 	ontime3	5159.9999487698	Sum of GTIs [s]
date	2020-09-25T01:59:18	Date and time of file creation	ontime6	5159.9999487698	Sum of GTIs [s]
revision	4	Processing version of data	ontime7	5159.9999487698	Sum of GTIs [s]
			ontime8	5159.9999487698	Sum of GTIs [s]
			l1events	32776	Number of level 1 events

2.1.4 Events

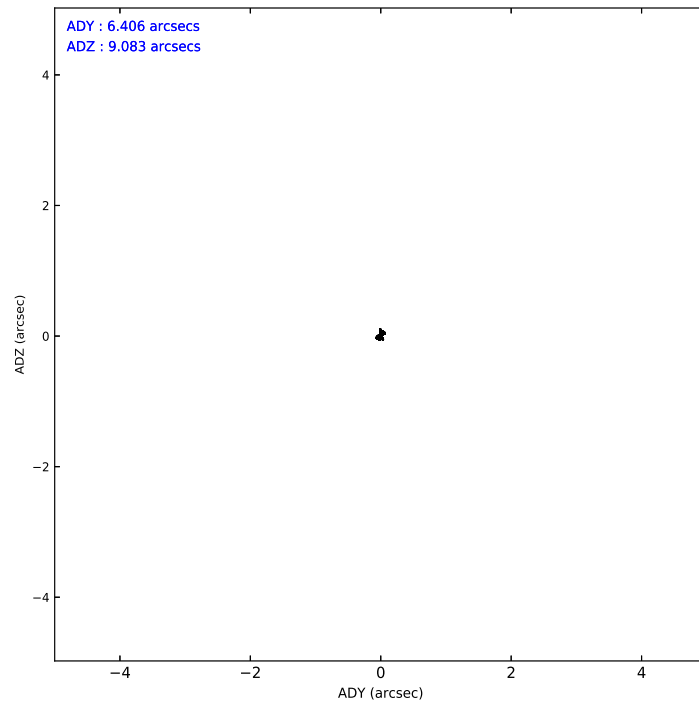
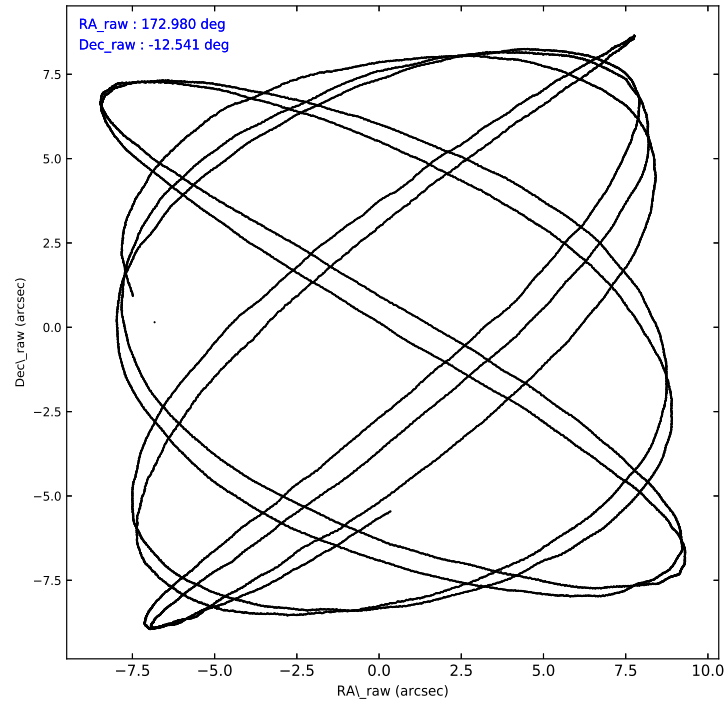
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	6049	6905	5048	14774
rejected events	5505	6259	2655	8243
rejected %	91%	90%	52%	55%

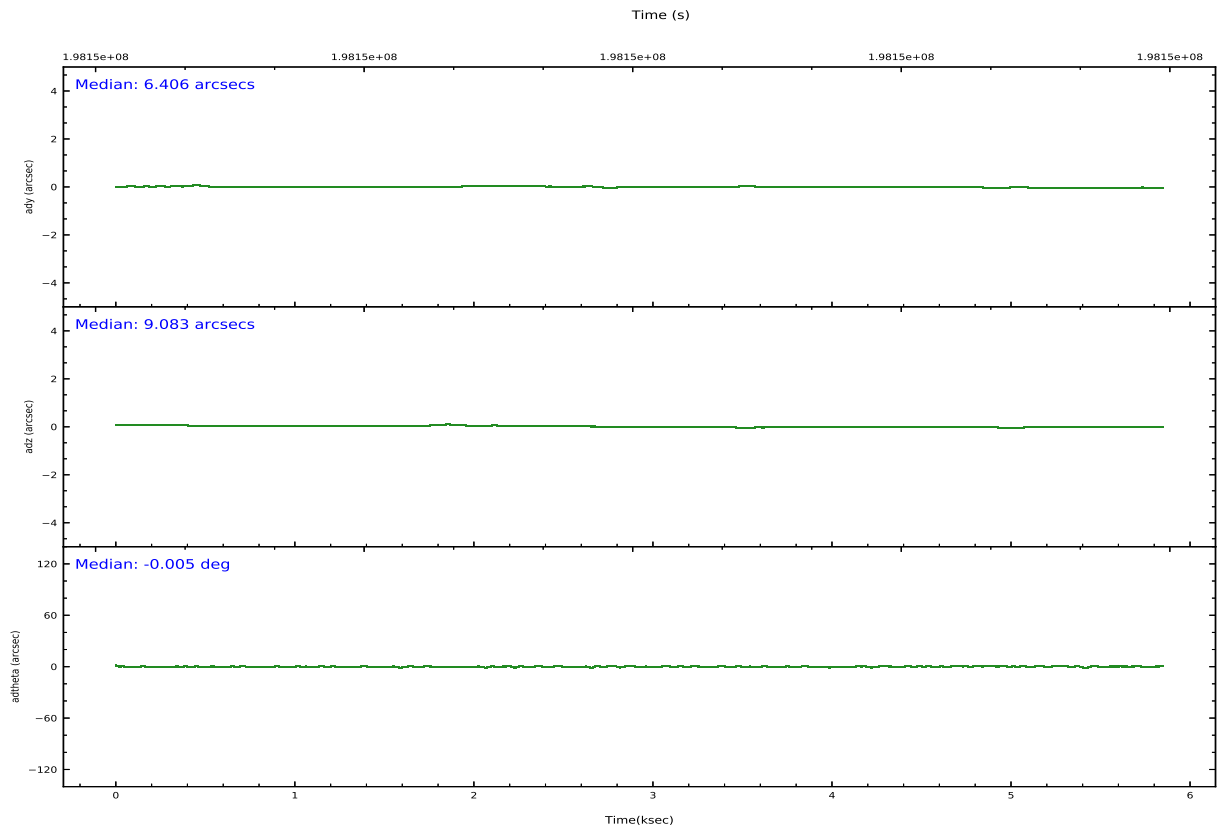
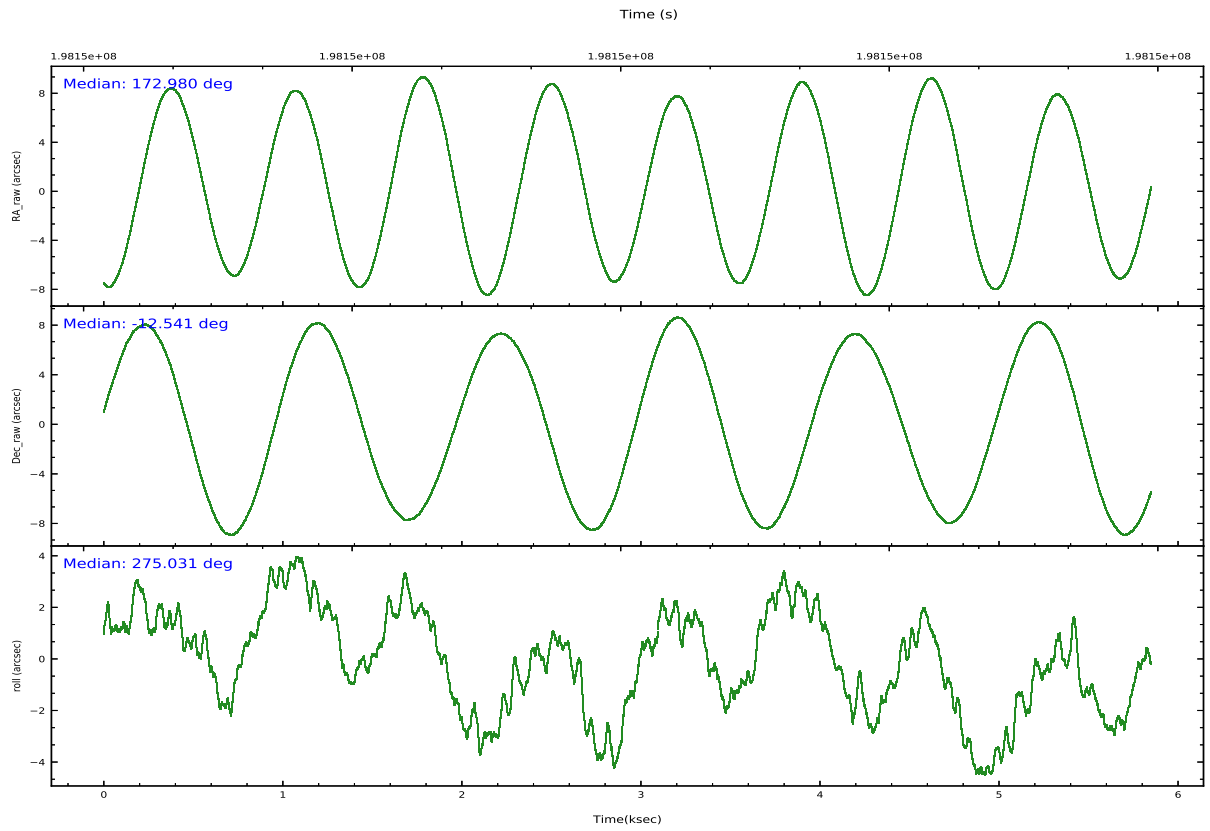
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	132	195	234	1659
	2%	2%	4%	11%
grade 1 events	2	0	3	11
	0%	0%	0%	0%
grade 2 events	122	148	506	1046
	2%	2%	10%	7%
grade 3 events	106	125	312	1058
	1%	1%	6%	7%
grade 4 events	98	97	309	933
	1%	1%	6%	6%
grade 5 events	144	173	497	308
	2%	2%	9%	2%
grade 6 events	86	81	1032	1835
	1%	1%	20%	12%
grade 7 events	5359	6086	2155	7924
	88%	88%	42%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3678	ACIS-3678	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	172.963633	172.97706402947	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.519491	-12.539874178379	Subarray start row	449	449
[deg] Pointing Roll	274.868067	275.03123086336	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.6
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	198147963.184000	198146416.78504			
Observation start date	2004-04-12T09:04:59	2004-04-12T08:40:16			
[s] Observation end time (MET)	198152463.184000	198153377.04785			
Observation end date	2004-04-12T10:19:59	2004-04-12T10:36:17			
Read mode	TIMED	TIMED			

2.3 Aspect





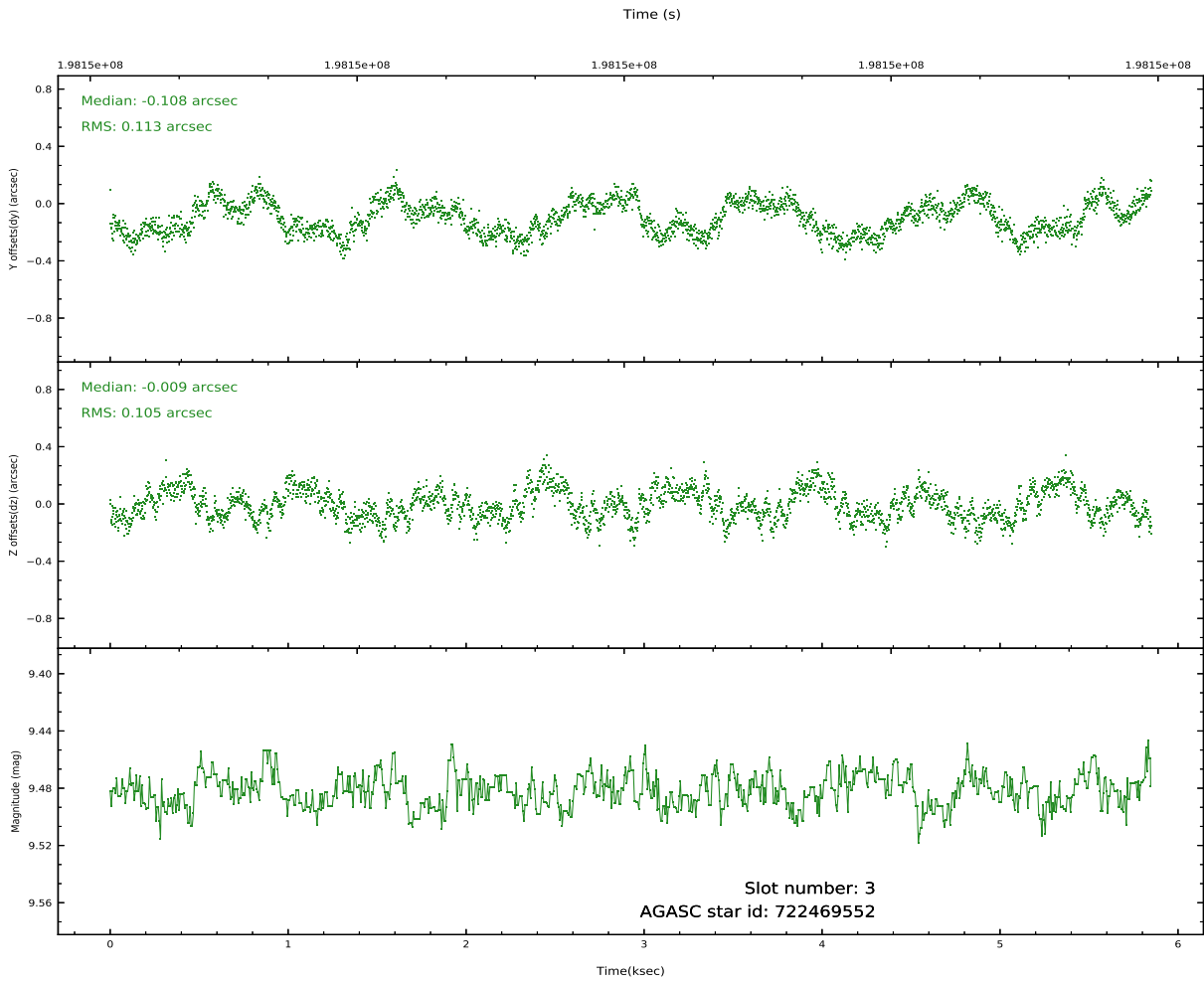
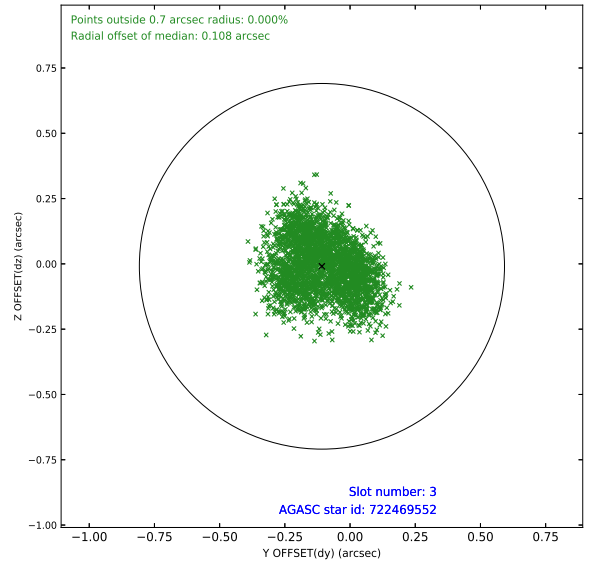
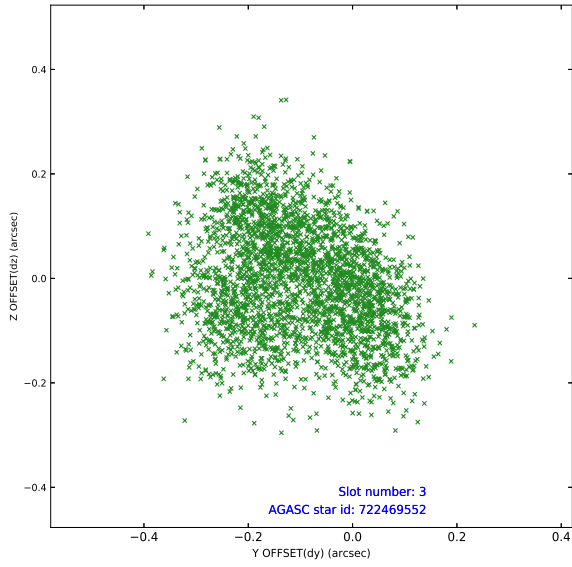
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	1427	1.000	-0.076	-0.075	0.007	0.011	0.000000	0.000000	-759.18	-1730
1	FID		ACIS-S-4	7.21	1427	1.000	0.142	0.057	0.005	0.010	0.000000	0.000000	2153.82	177
2	FID		ACIS-S-5	7.23	1427	1.000	-0.097	0.027	0.006	0.010	0.000000	0.000000	-1810.77	171
3	GUIDE	used	722469552	9.48	2854	1.000	-0.108	-0.009	0.168	0.249	172.271393	-12.124699	-1619.37	-2307
4	GUIDE	used	722473176	9.47	2853	1.000	-0.051	-0.056	0.123	0.192	172.599746	-12.066793	-1731.75	-1139
5	GUIDE	used	722871728	9.66	2851	1.000	0.008	0.014	0.138	0.209	173.202235	-12.568355	246.63	820
6	GUIDE	used	722872912	9.93	2852	1.000	0.037	0.022	0.103	0.169	173.118043	-12.649915	514.60	501
7	GUIDE	used	722873464	7.32	2854	1.000	0.109	0.033	0.073	0.111	172.661543	-13.050266	1815.66	-1217

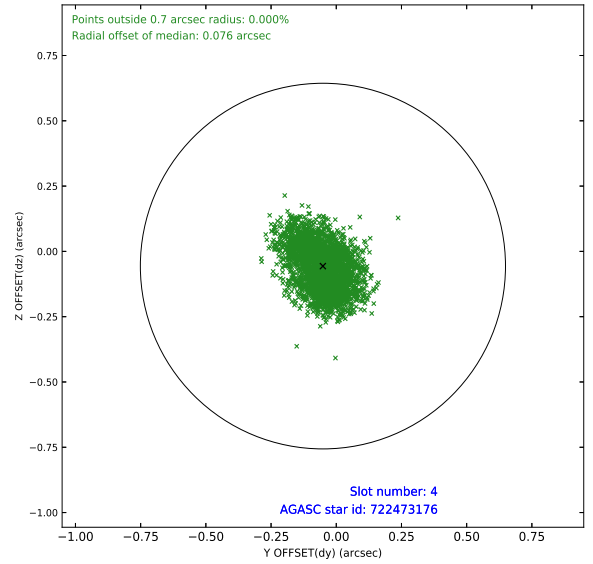
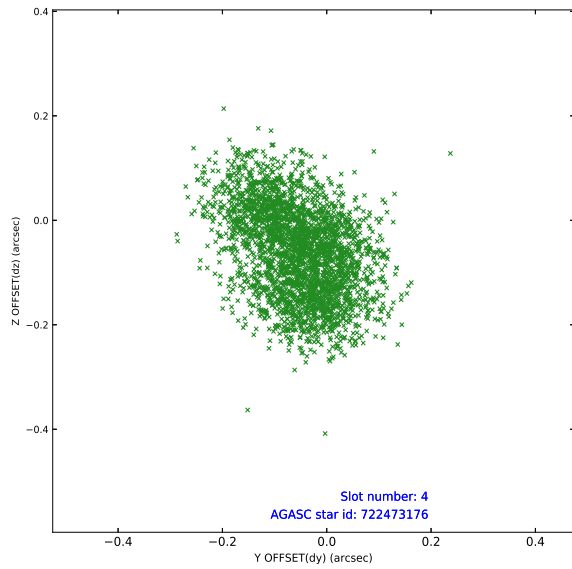
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2.4 Star Slots

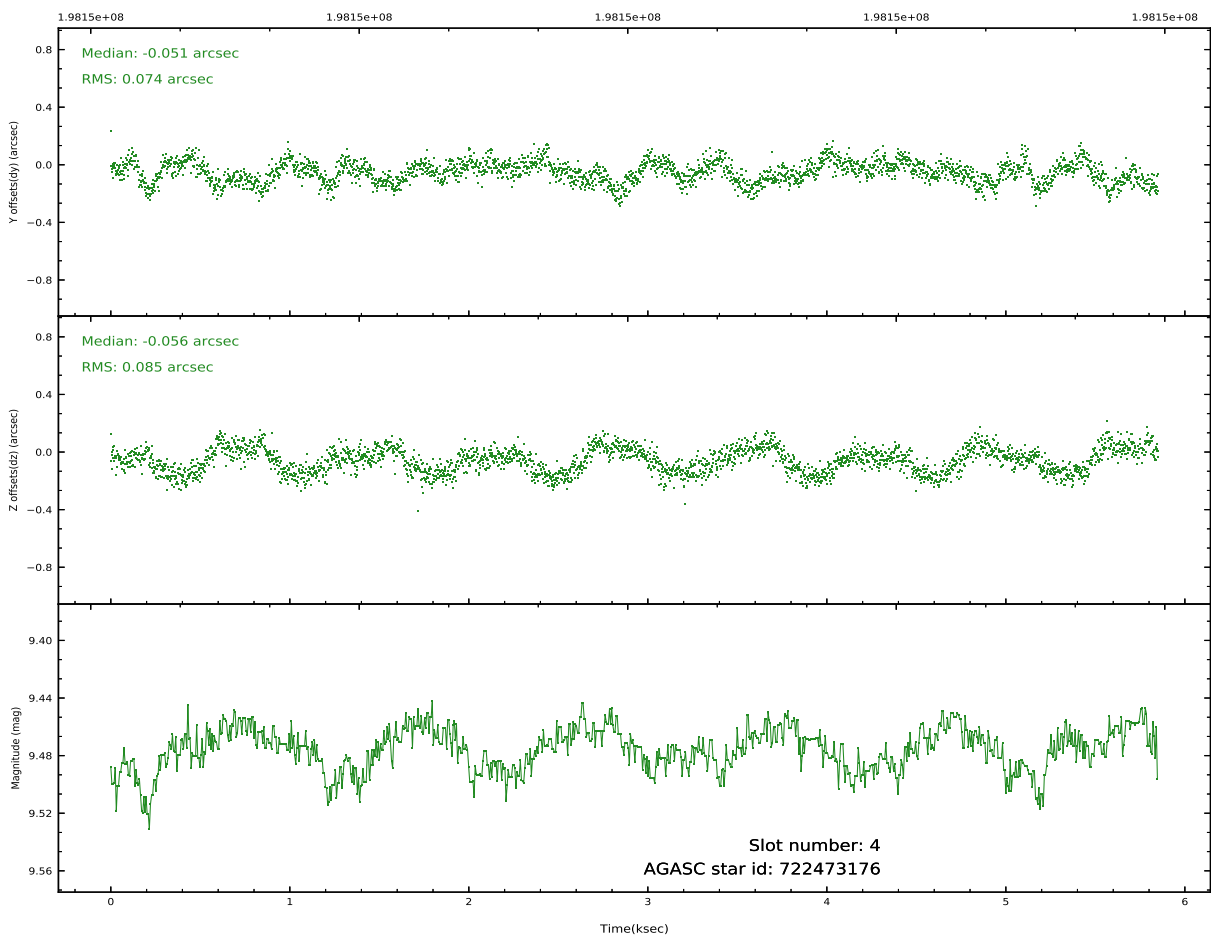
2.4.1 Slot 3



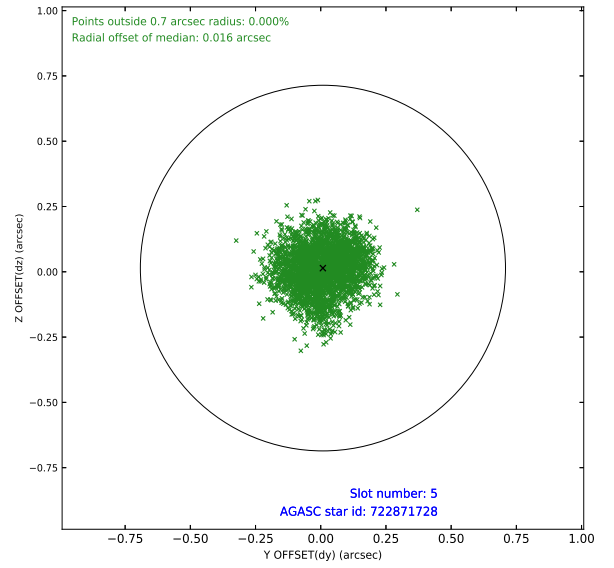
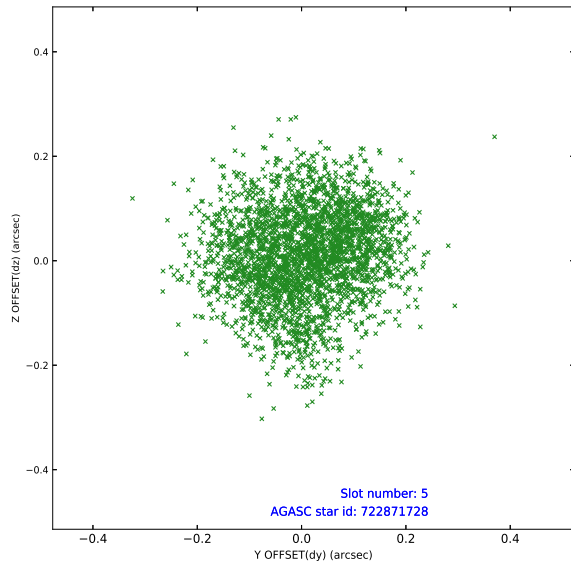
2.4.2 Slot 4



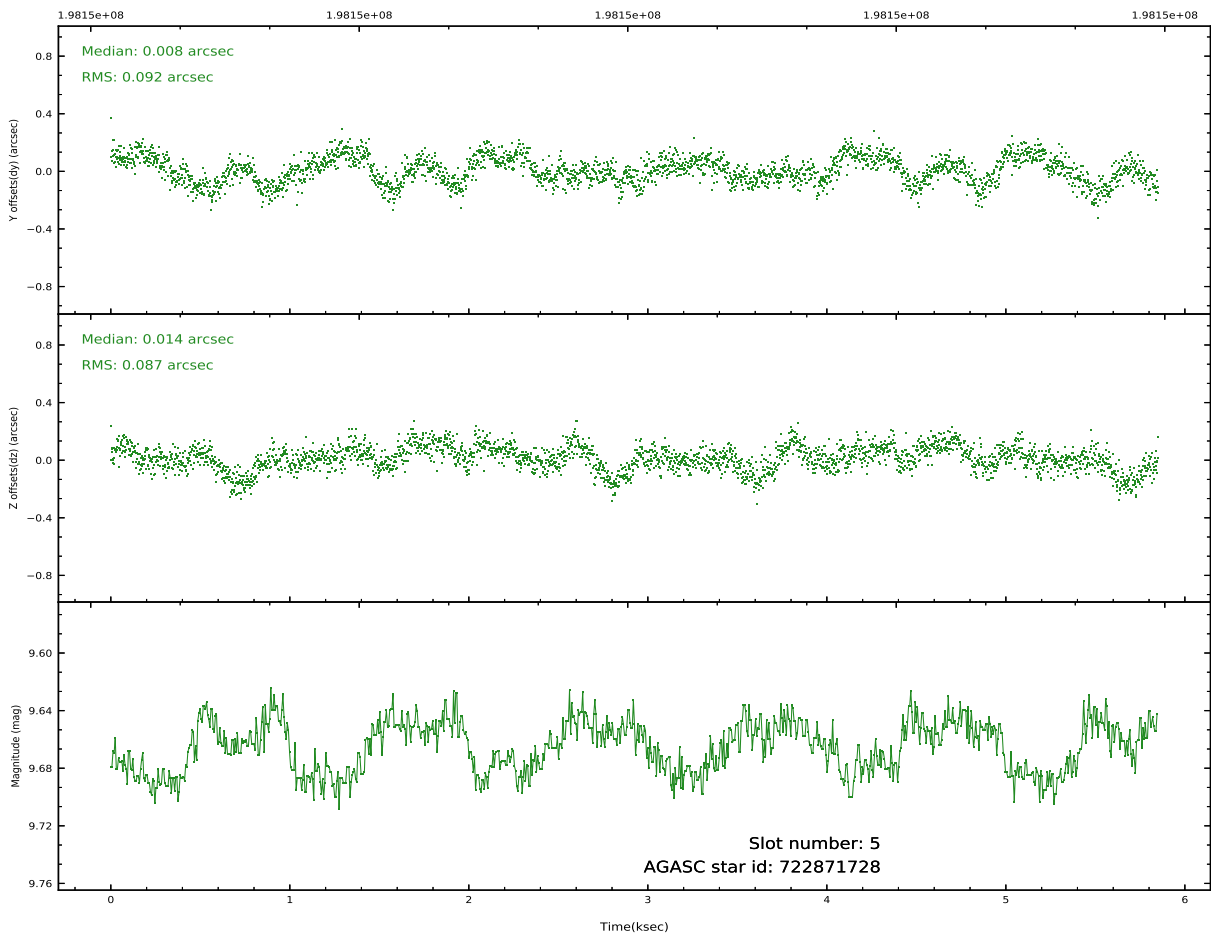
Time (s)



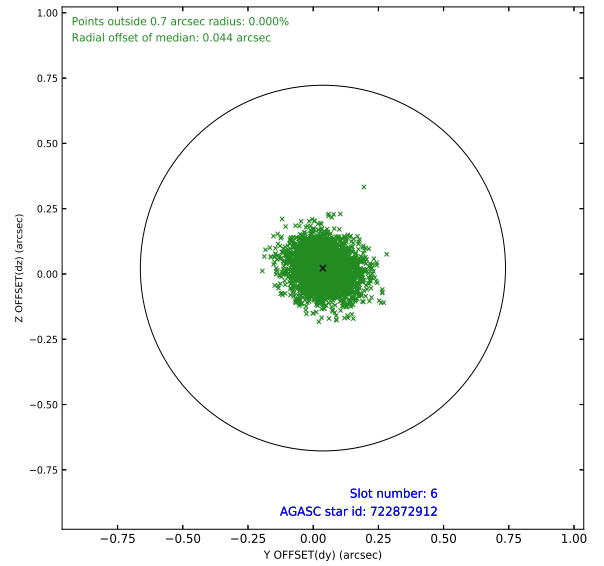
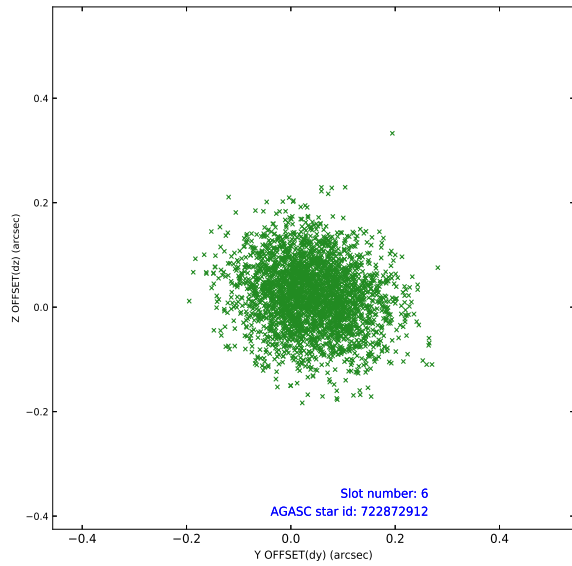
2.4.3 Slot 5



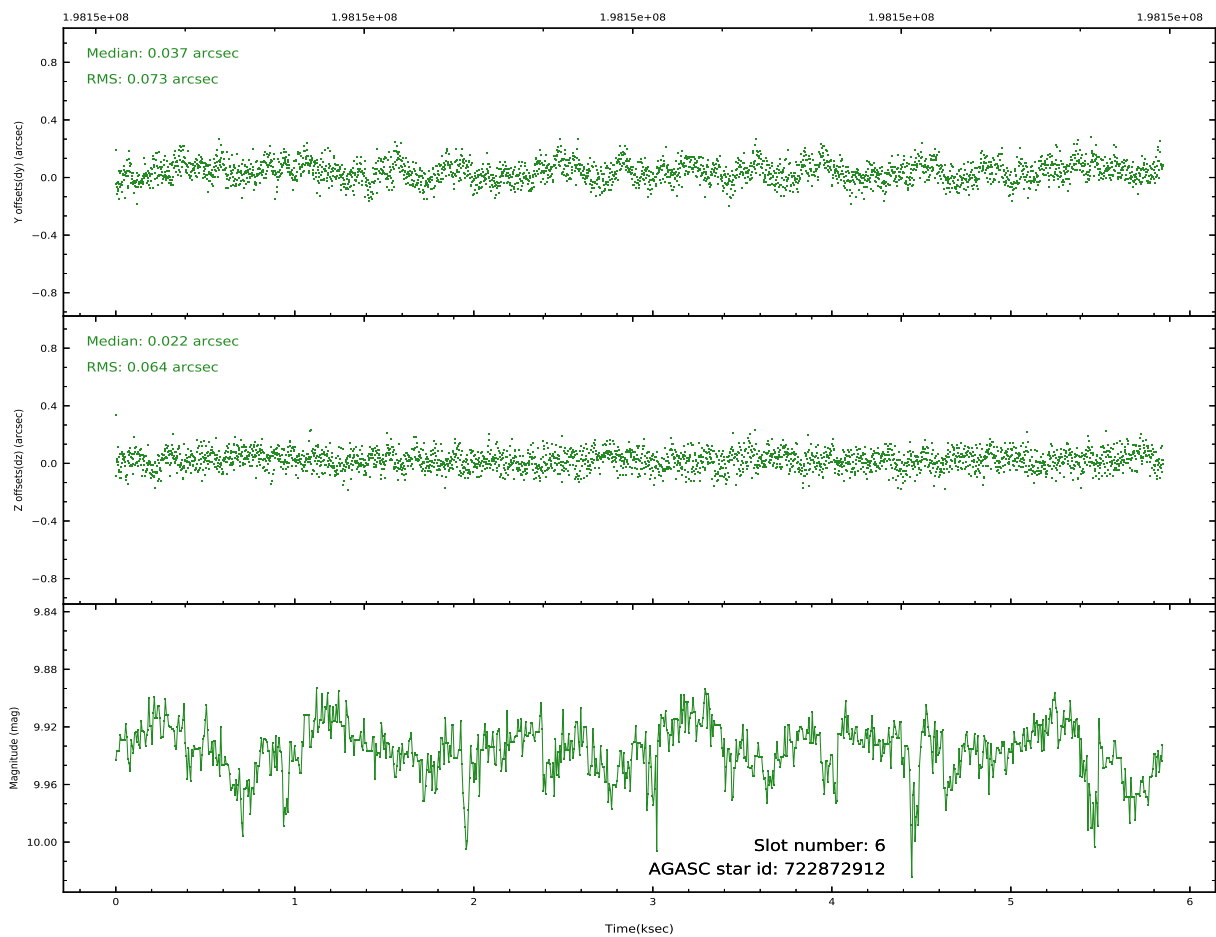
Time (s)



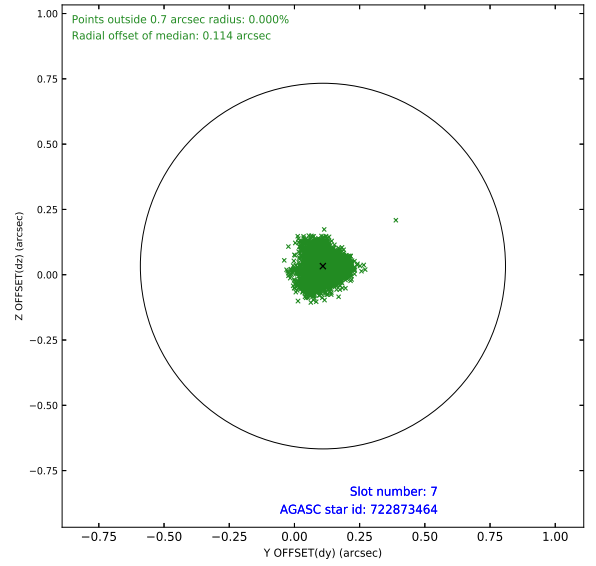
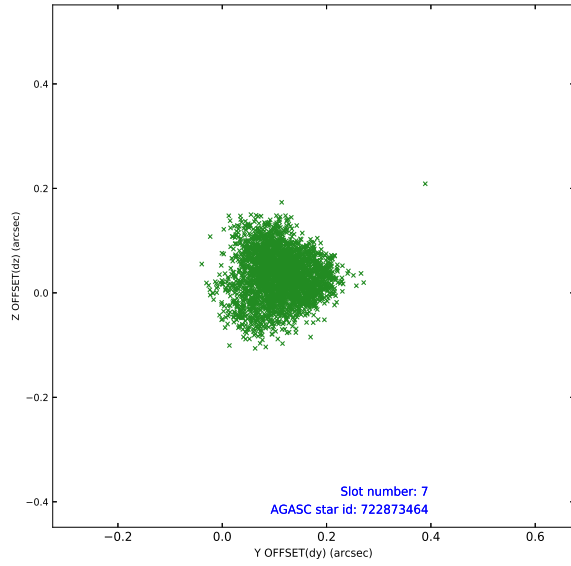
2.4.4 Slot 6



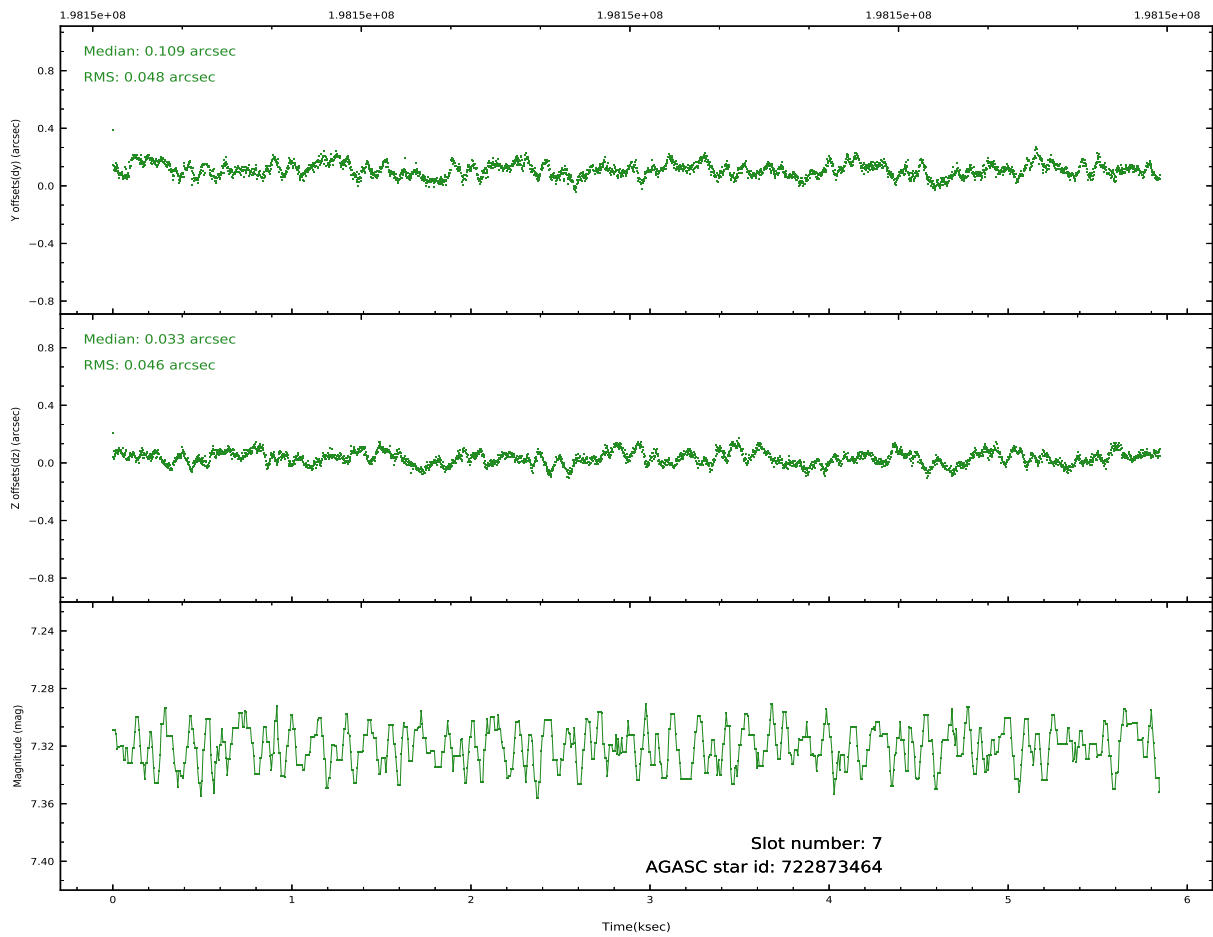
Time (s)



2.4.5 Slot 7

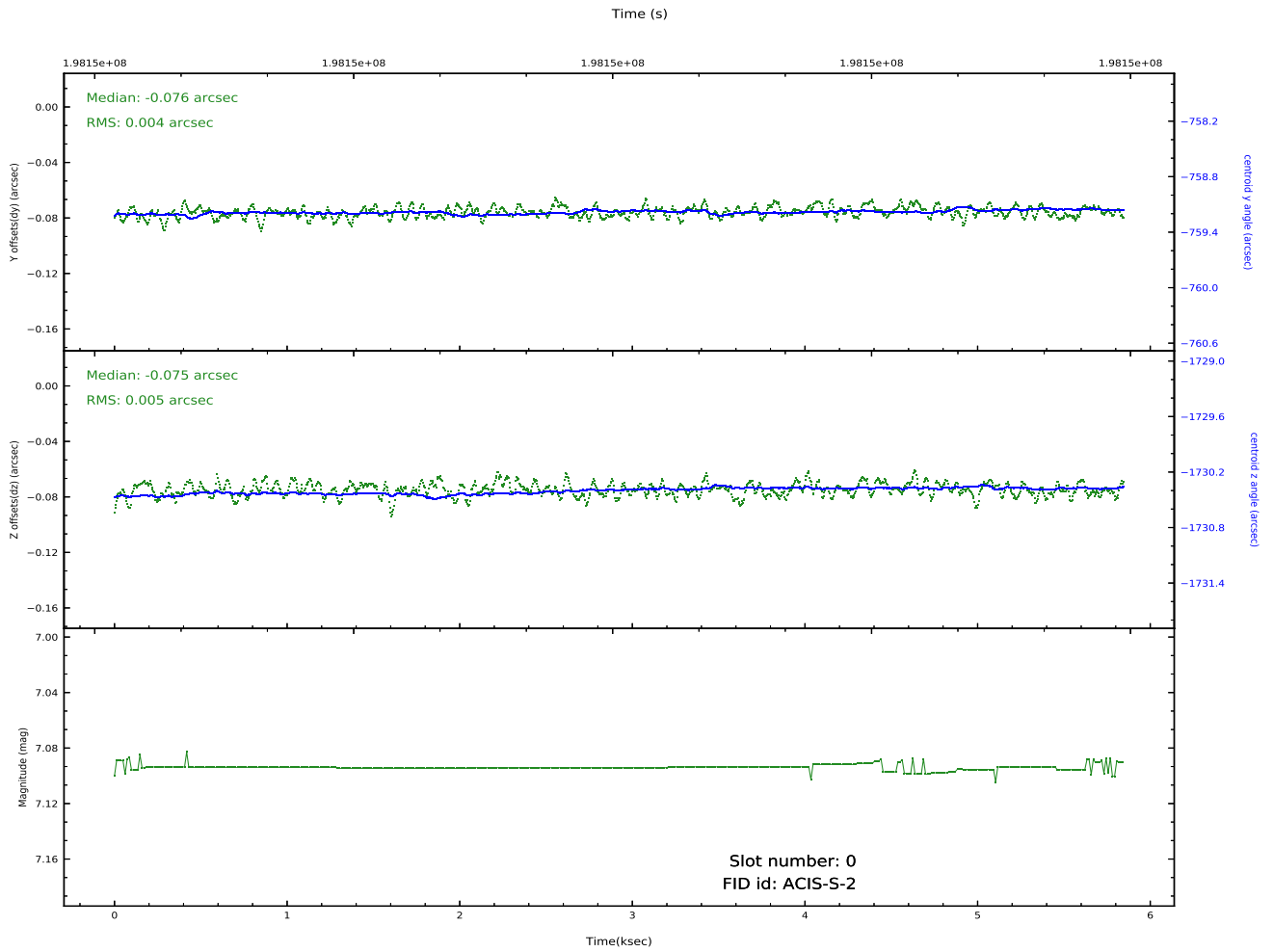
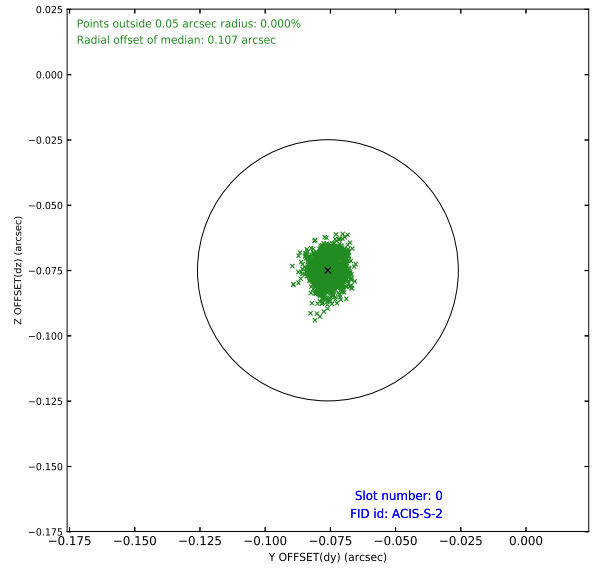
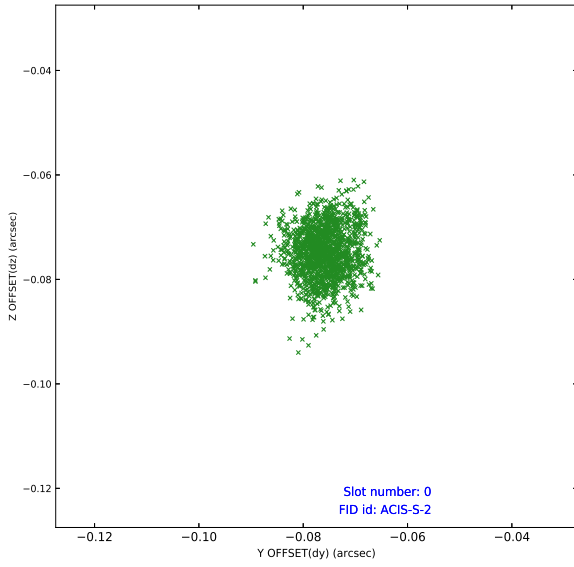


Time (s)

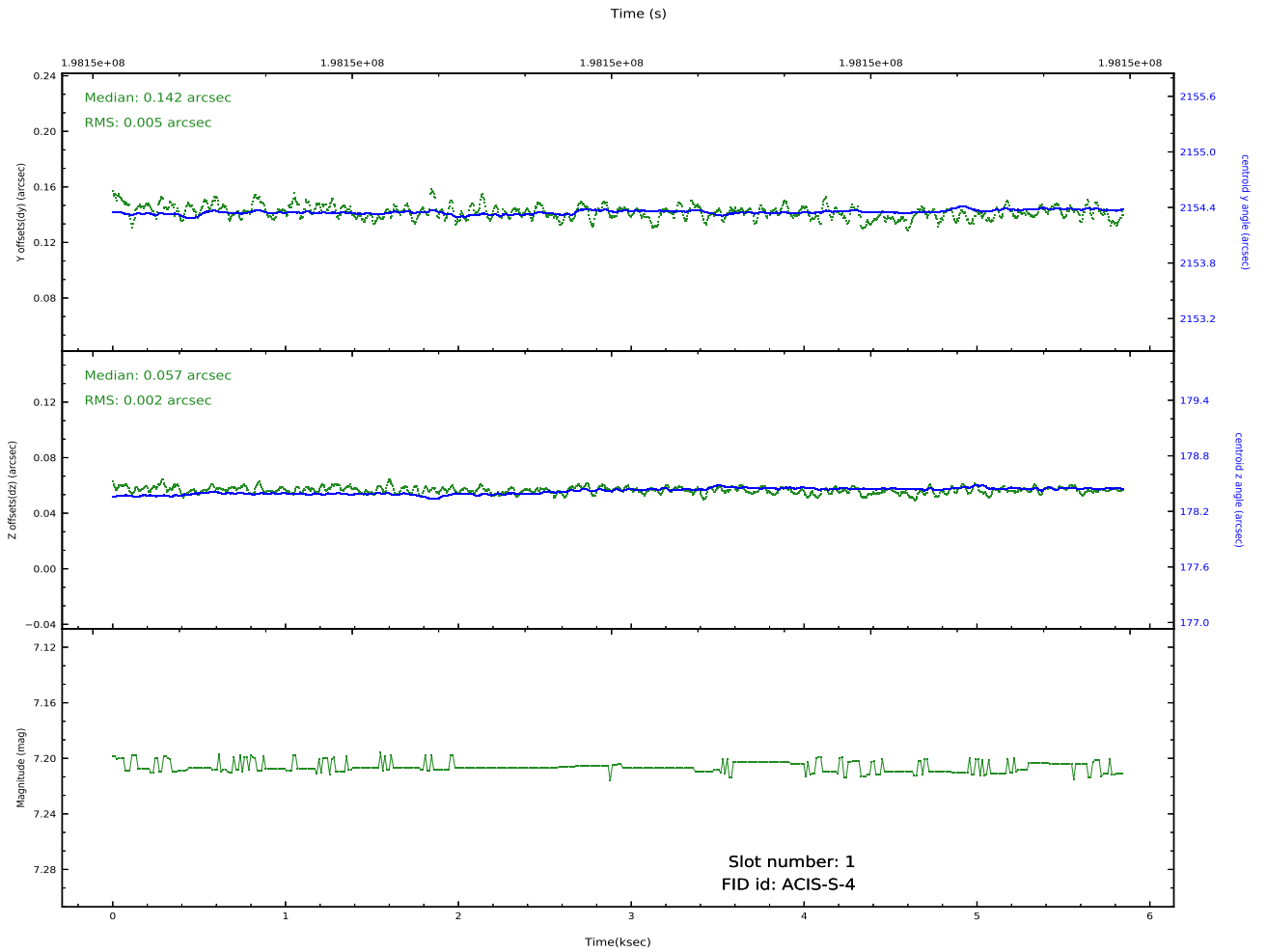
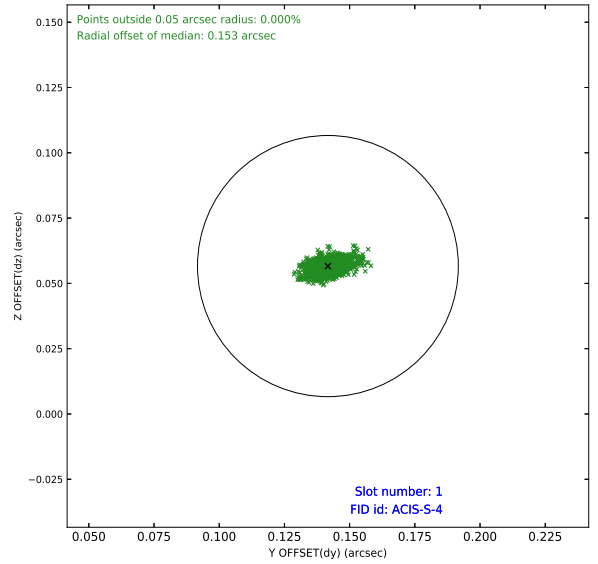
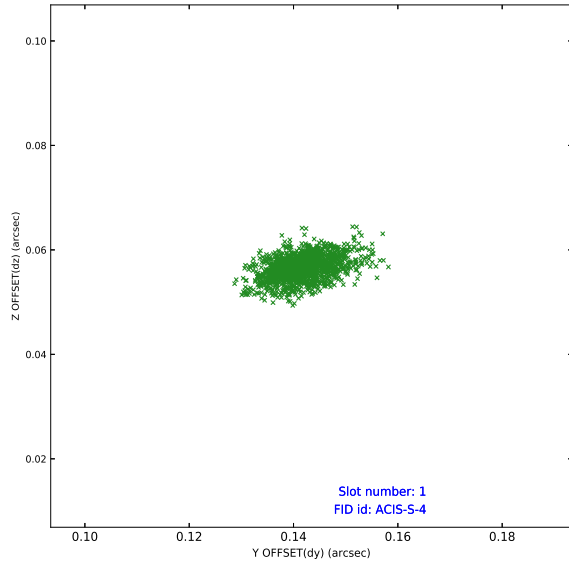


2.5 FID Slots

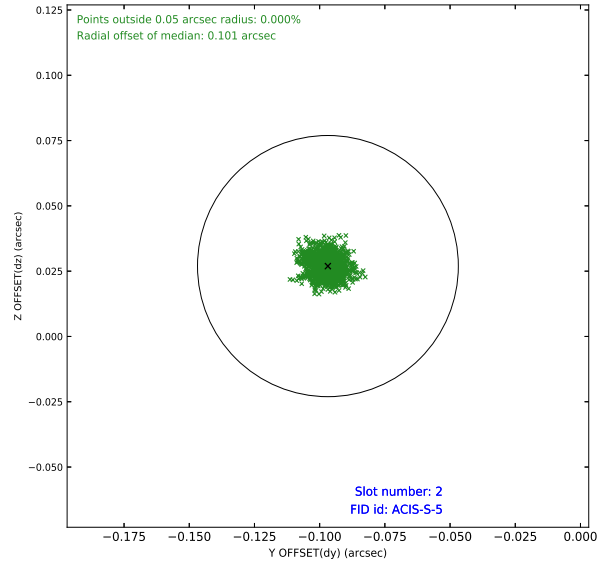
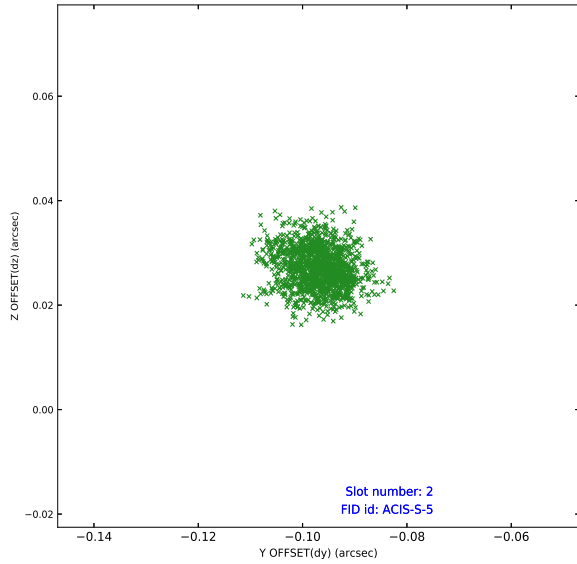
2.5.1 Slot 0



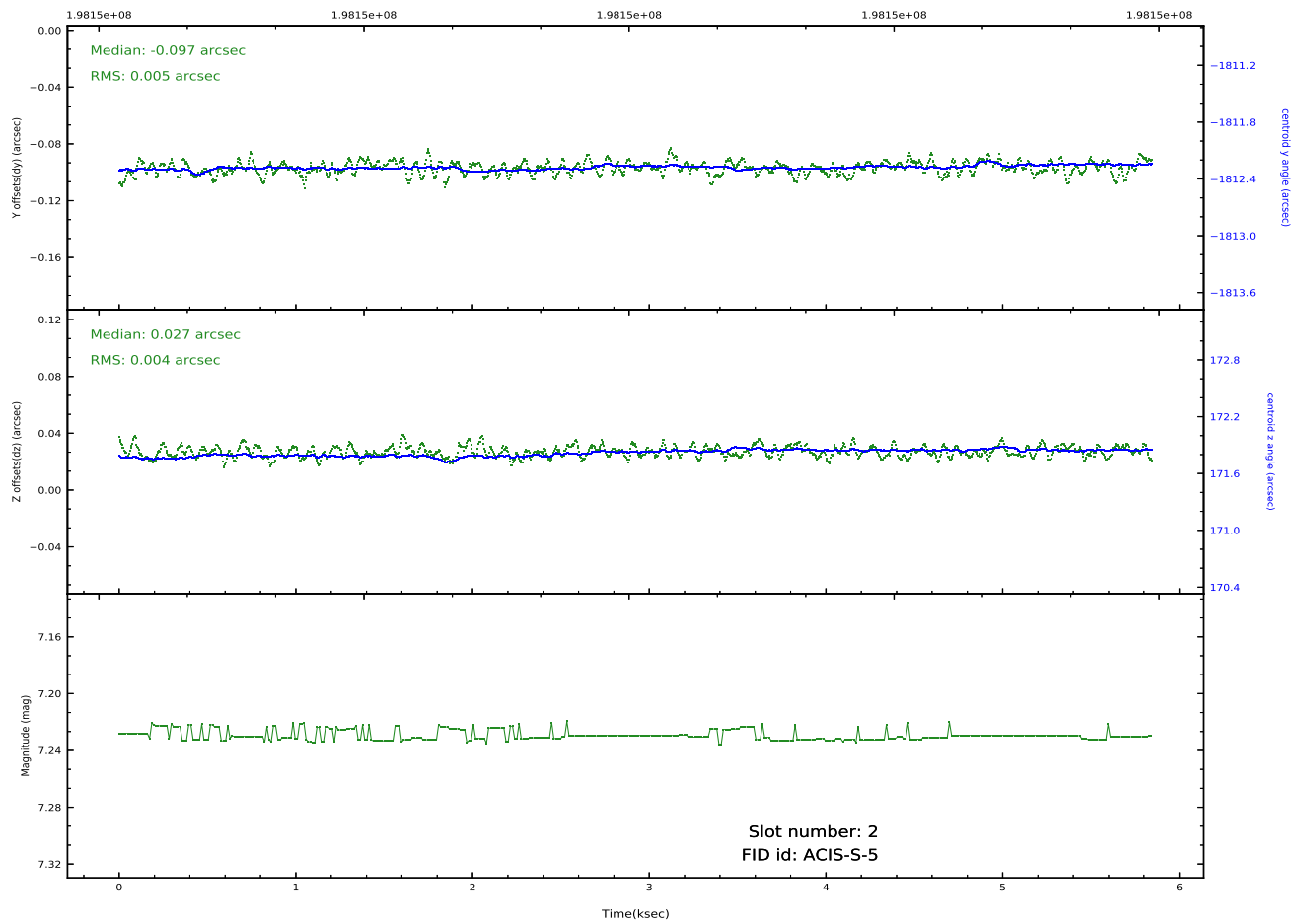
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16

A.2 Comments

Monitor constraint met.