

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5627 - L2 Version 4
Chandra X-Ray Center

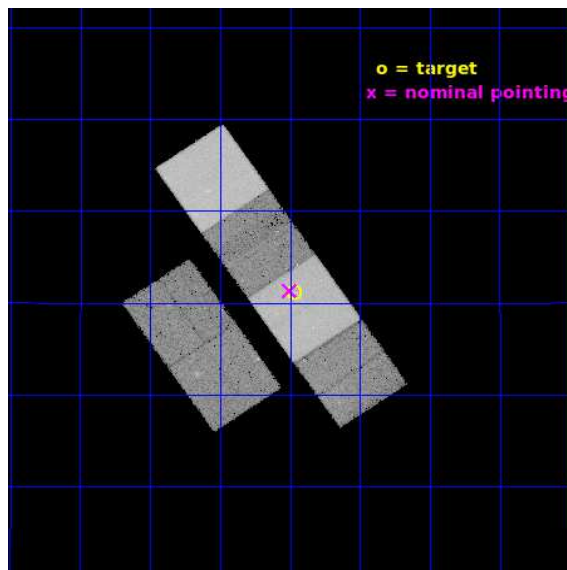
L2 Processing Date : Oct 6 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

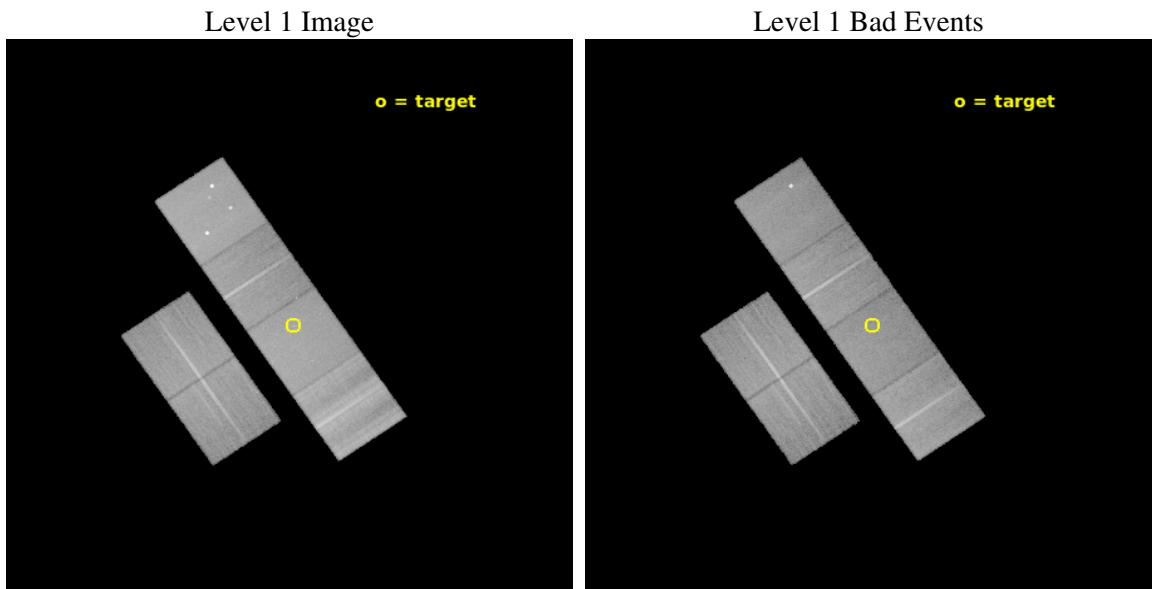
seq_num	701050	Sequence number
obs_id	5627	Observation id
title	The Jet-Like X-ray Structure at the High Redshift Quasar J0841+1311	
observer	Daniel Schwartz	Principal investigator
object	CXOMP J084128.3+131107	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.366667	Observer's specified target RA [deg]
dec_targ	13.185278	Observer's specified target Dec [deg]
ra_nom	130.37499366157	Nominal RA [deg]
dec_nom	13.188953157703	Nominal Dec [deg]
roll_nom	55.684798461562	Nominal Roll [deg]
revision	4	Processing version of data
ontime	27180.799898744	Sum of GTIs [s]
livetime	26836.620244113	Livetime [s]
ontime2	27180.799898744	Sum of GTIs [s]
ontime3	27180.799898744	Sum of GTIs [s]
ontime5	27180.799898744	Sum of GTIs [s]
ontime6	27180.799898744	Sum of GTIs [s]
ontime7	27180.799898744	Sum of GTIs [s]
ontime8	27180.799898744	Sum of GTIs [s]
l2events	337490	Number of level 2 events



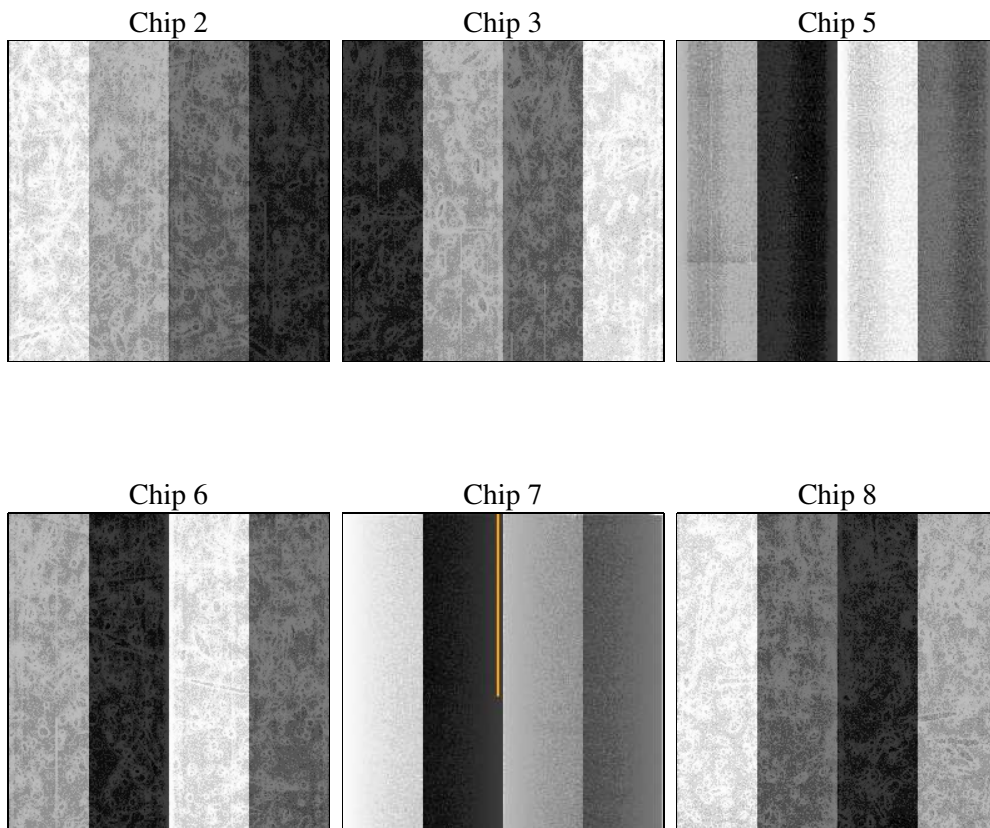
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	27180.799898744	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	27180.799898744	Sum of GTIs [s]
date	2020-10-06T08:24:52	Date and time of file creation	ontime3	27180.799898744	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	27180.799898744	Sum of GTIs [s]
			ontime6	27180.799898744	Sum of GTIs [s]
			ontime7	27180.799898744	Sum of GTIs [s]
			ontime8	27180.799898744	Sum of GTIs [s]
			l1events	1674286	Number of level 1 events

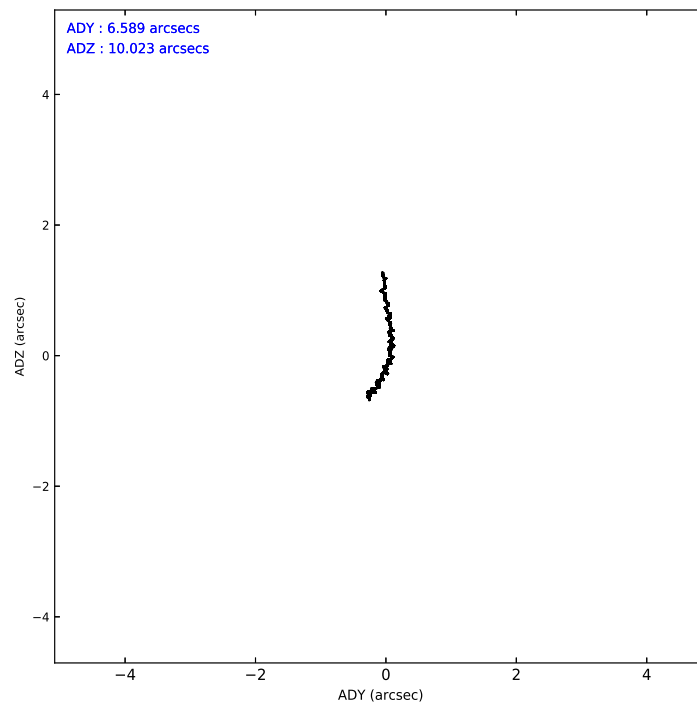
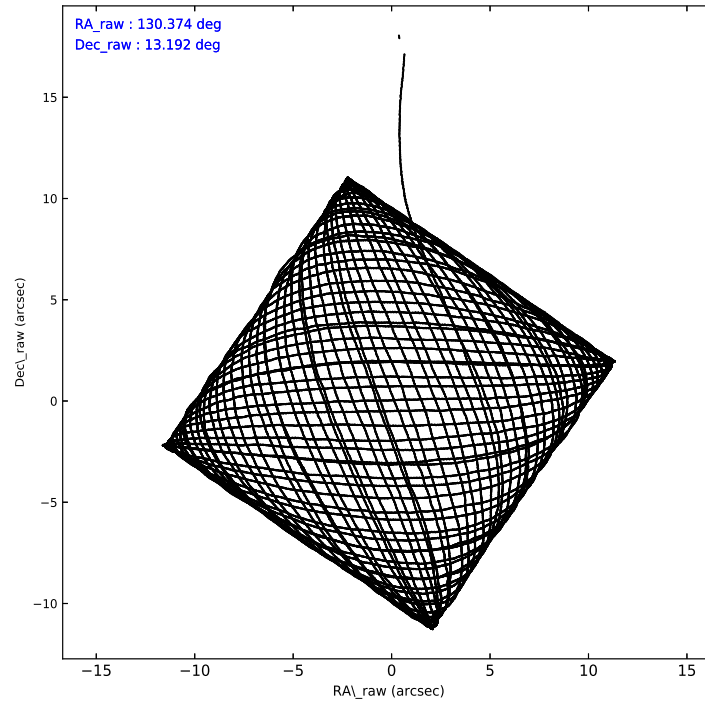
2.1.4 Events

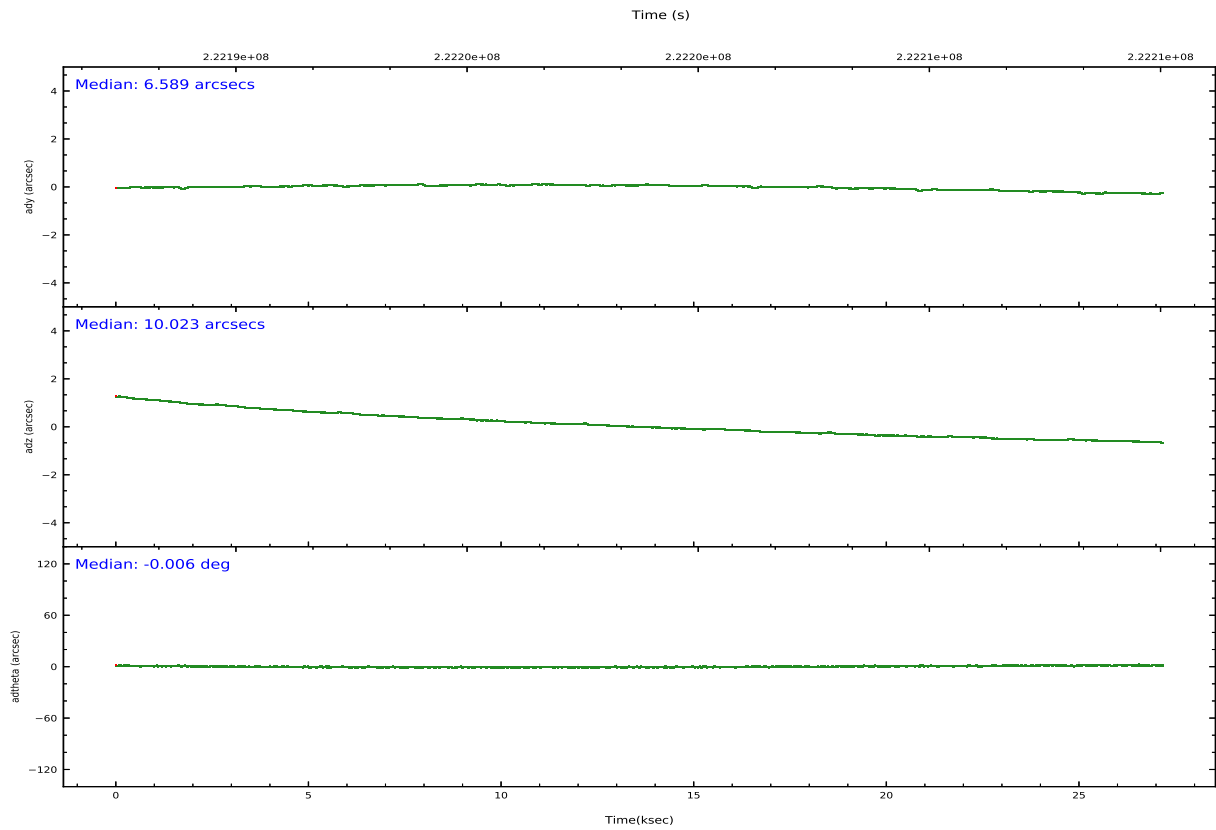
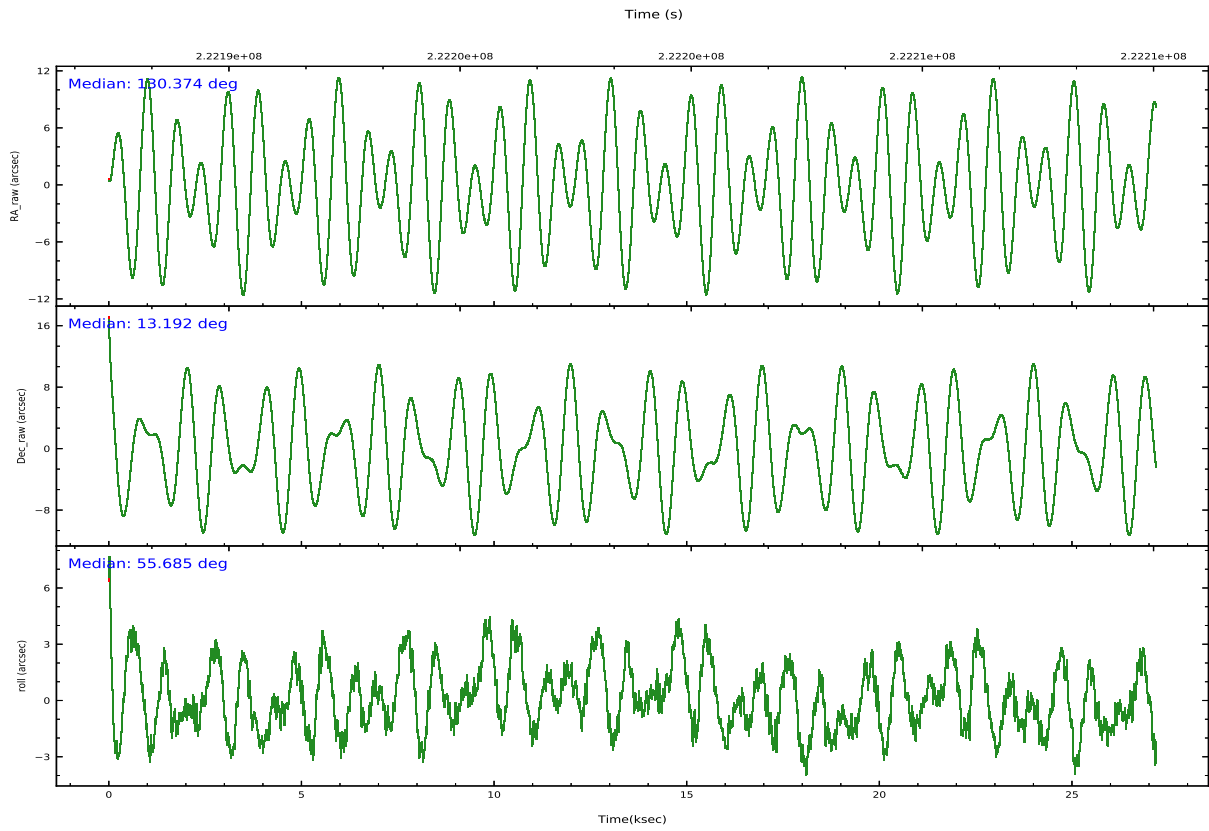
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	238361	220588	336214	232519	289825	356779	grade 0 events	13247	11728	21787	11268	10839	39894
rejected events	209957	194357	185935	205314	174741	233679		5%	5%	6%	4%	3%	11%
rejected %	88%	88%	55%	88%	60%	65%	grade 1 events	165	160	505	125	325	364
								0%	0%	0%	0%	0%	0%
							grade 2 events	6526	5551	46587	6379	24378	21116
								2%	2%	13%	2%	8%	5%
							grade 3 events	2343	2572	6399	2490	10595	19976
								0%	1%	1%	1%	3%	5%
							grade 4 events	2640	2421	5930	2540	10555	17707
								1%	1%	1%	1%	3%	4%
							grade 5 events	8443	9195	24706	9705	27636	13621
								3%	4%	7%	4%	9%	3%
							grade 6 events	4837	5041	76372	5668	63821	28574
								2%	2%	22%	2%	22%	8%
							grade 7 events	200160	183920	153928	194344	141676	215527
								83%	83%	45%	83%	48%	60%

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	130.371898	130.37499366157	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.165006	13.188953157703	Alternating exposures requested	N	N
[deg] Pointing Roll	55.530363	55.684798461562	[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)	222187067.184000	222185395.38133			
Observation start date	2005-01-15T14:36:43	2005-01-15T14:09:55			
[s] Observation end time (MET)	222214067.184000	222215081.94517			
Observation end date	2005-01-15T22:06:43	2005-01-15T22:24:41			
Read mode	TIMED	TIMED			

2.3 Aspect





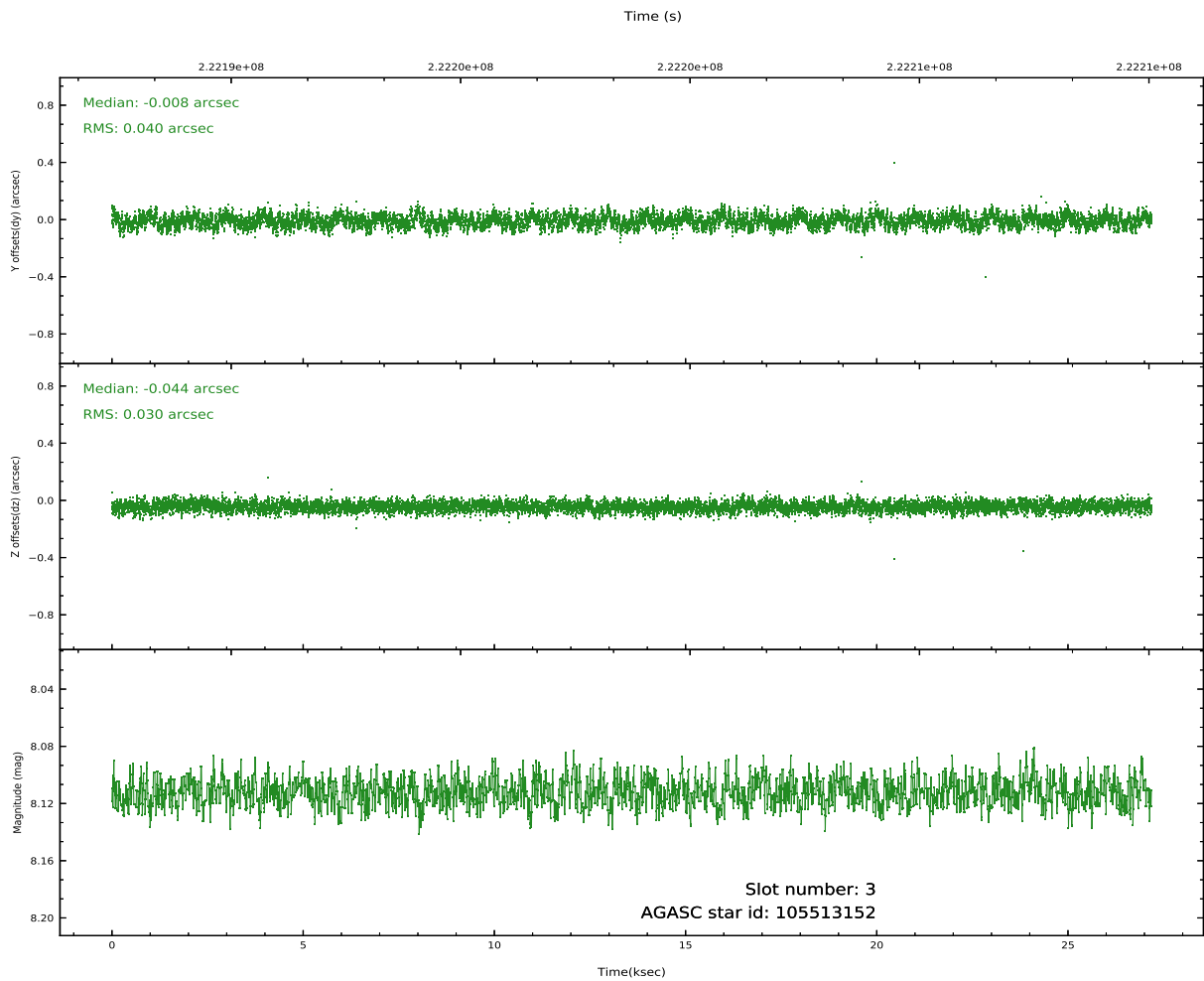
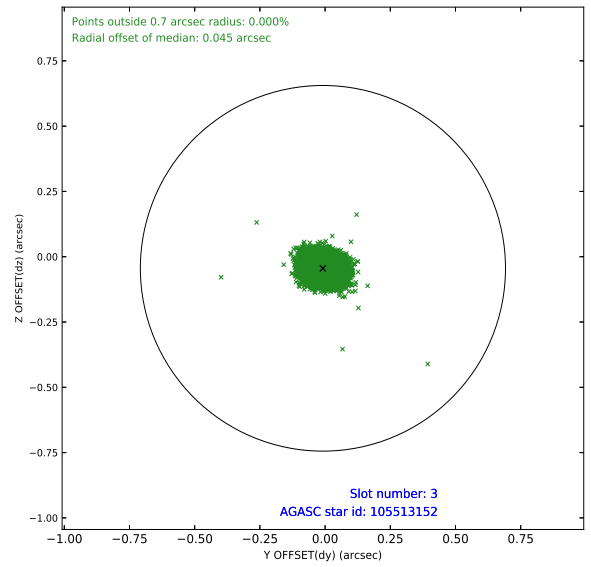
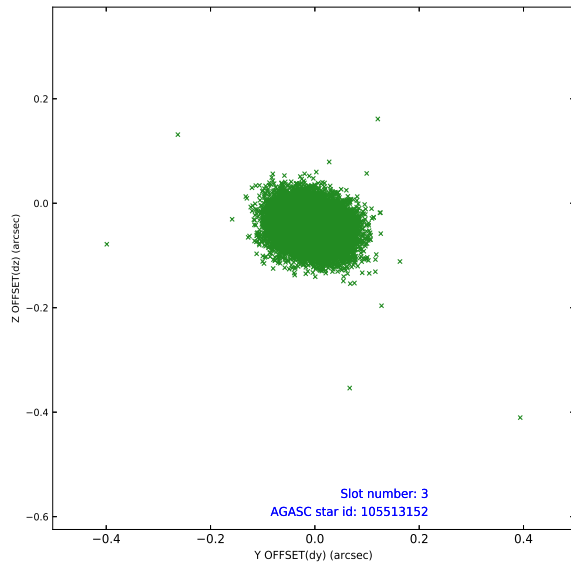
Slot Statistics

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	7.10	6631	1.000	-0.088	-0.057	0.011	0.019	0.000000	0.000000	-759.33	-1731
1	FID		ACIS-S-4	7.21	6631	1.000	0.142	0.058	0.008	0.015	0.000000	0.000000	2154.07	177
2	FID		ACIS-S-5	7.23	6631	1.000	-0.085	0.009	0.010	0.017	0.000000	0.000000	-1812.11	170
3	GUIDE	used	105513152	8.11	13258	1.000	-0.008	-0.044	0.052	0.084	129.815846	12.960374	-1710.34	1192
4	GUIDE	used	106962968	8.88	13257	1.000	0.008	0.099	0.063	0.103	130.463087	13.055809	-142.91	-485
5	GUIDE	used	106964424	9.27	13232	1.000	0.028	0.061	0.085	0.138	130.578066	13.374693	1031.16	-167
6	GUIDE	used	106965360	8.74	13260	1.000	-0.017	0.024	0.087	0.138	130.587812	12.638213	-1133.51	-1698
7	GUIDE	used	106043672	9.03	13252	1.000	-0.007	-0.136	0.106	0.164	129.948191	13.729914	838.80	2373

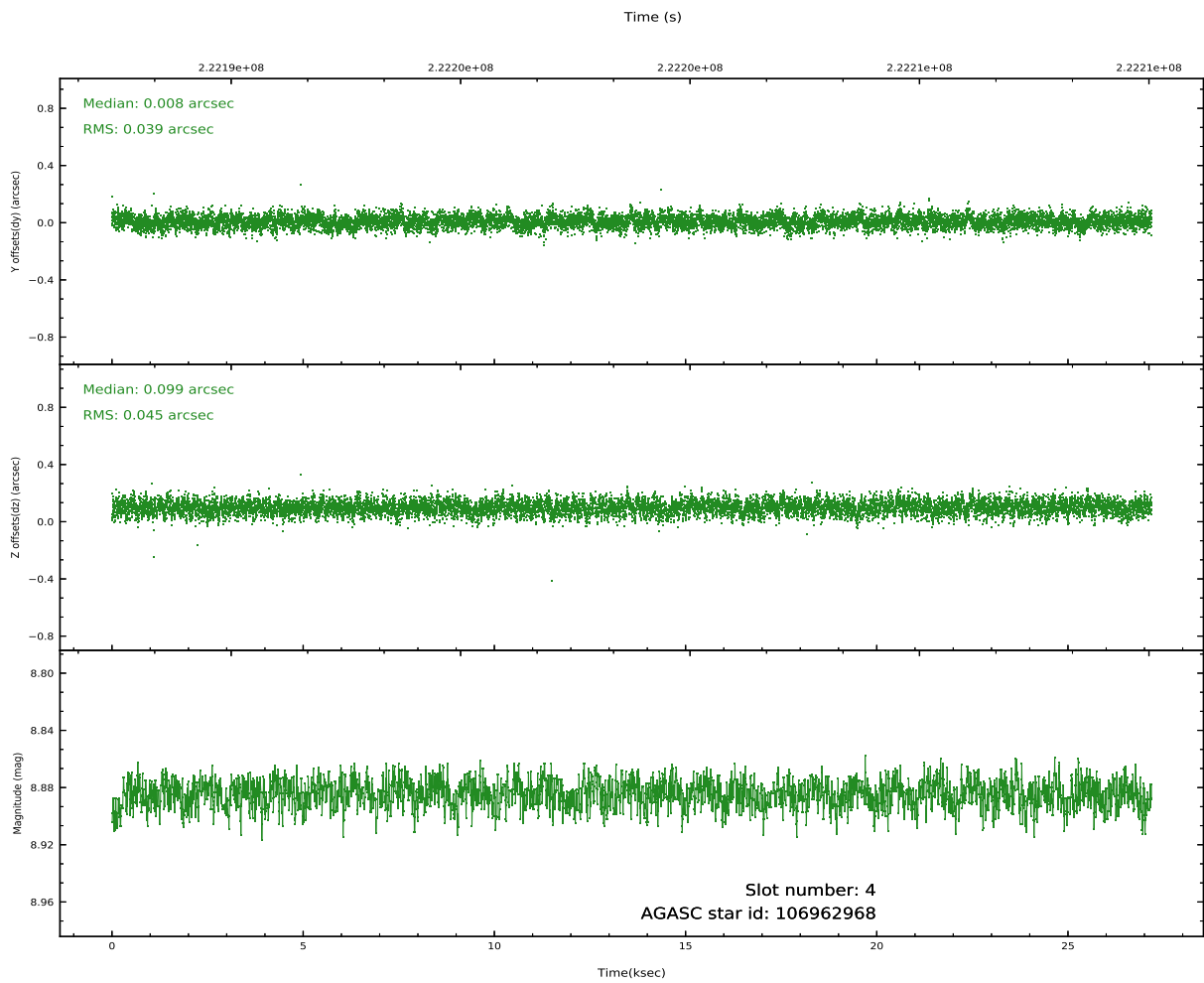
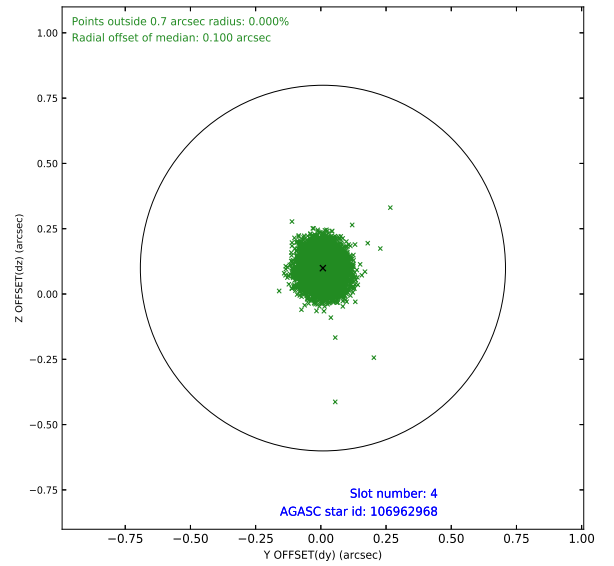
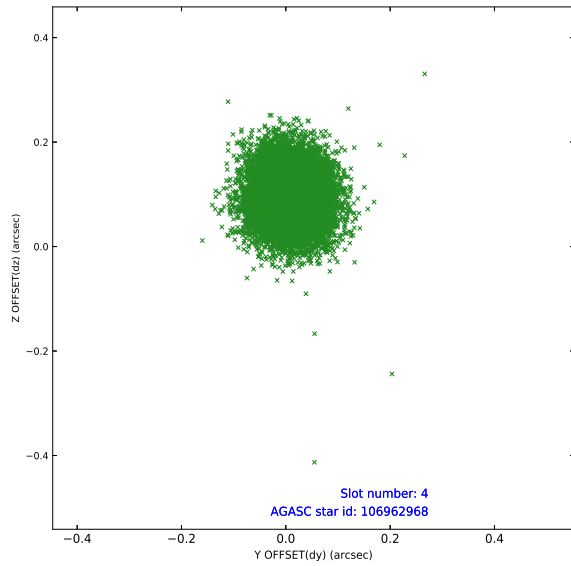
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2.4 Star Slots

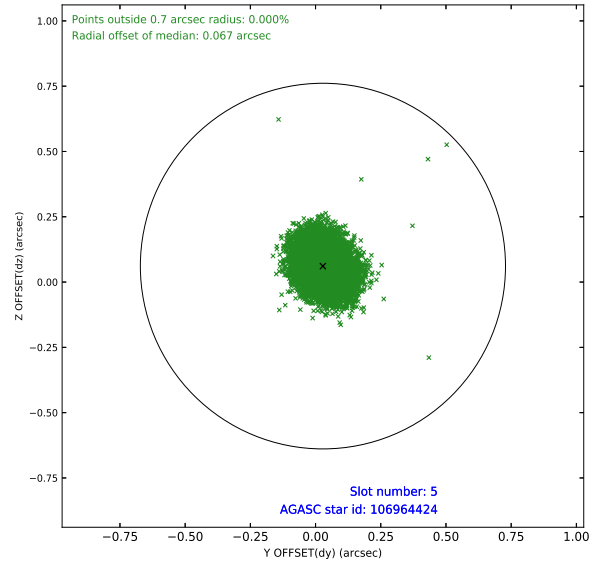
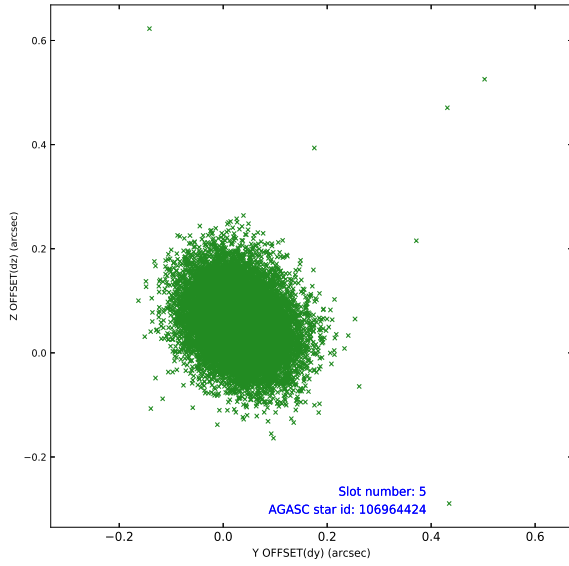
2.4.1 Slot 3



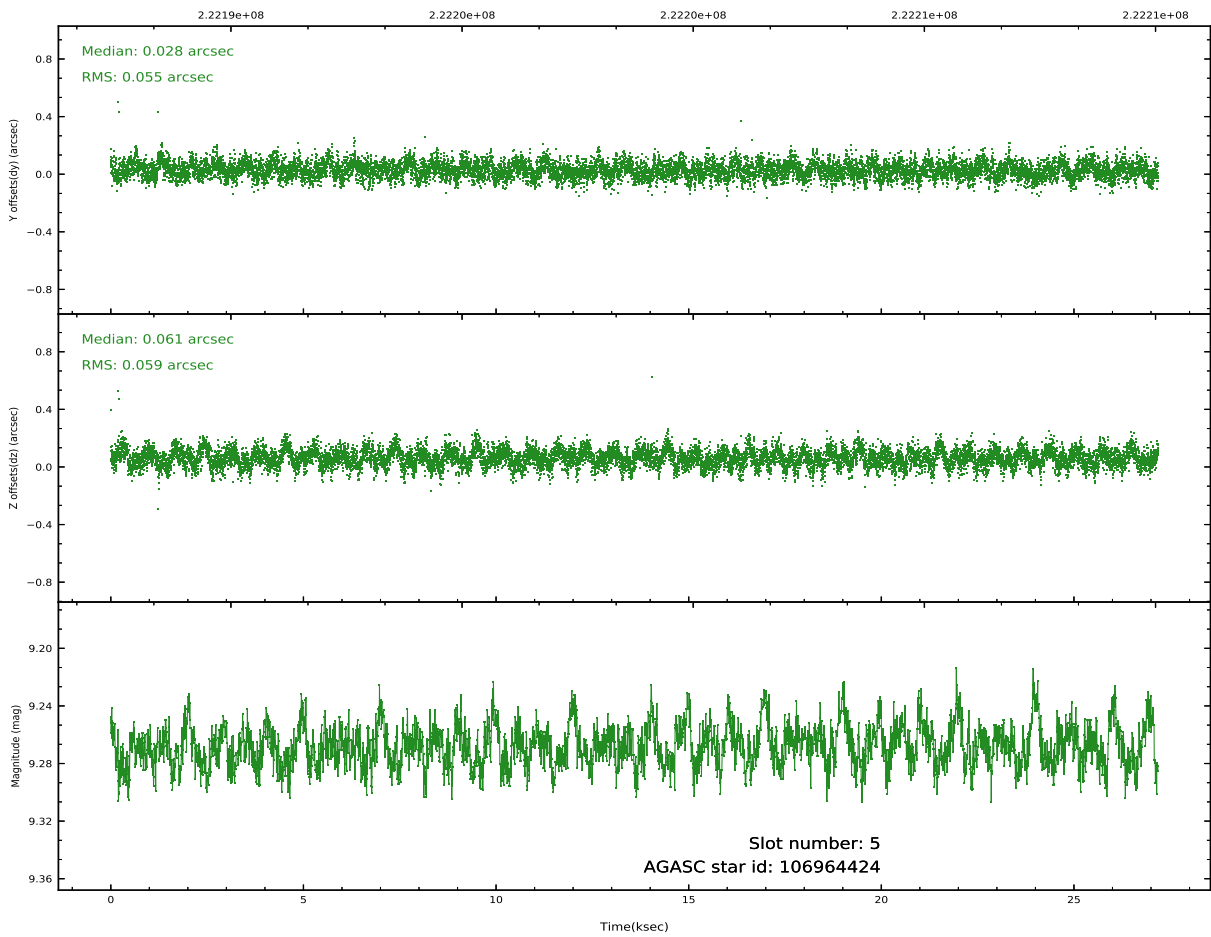
2.4.2 Slot 4



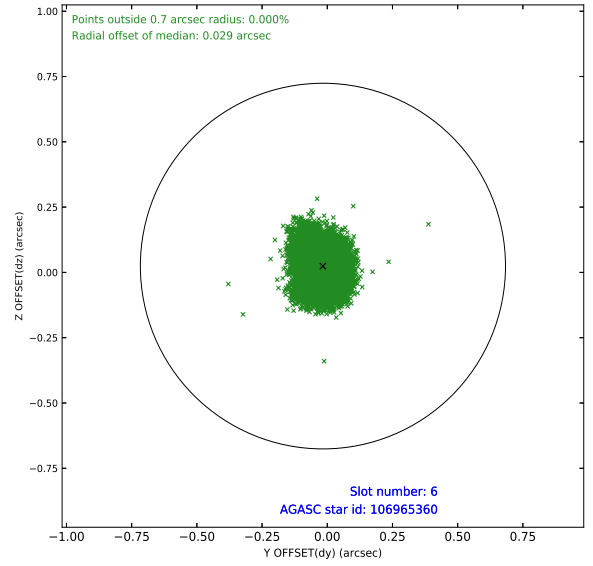
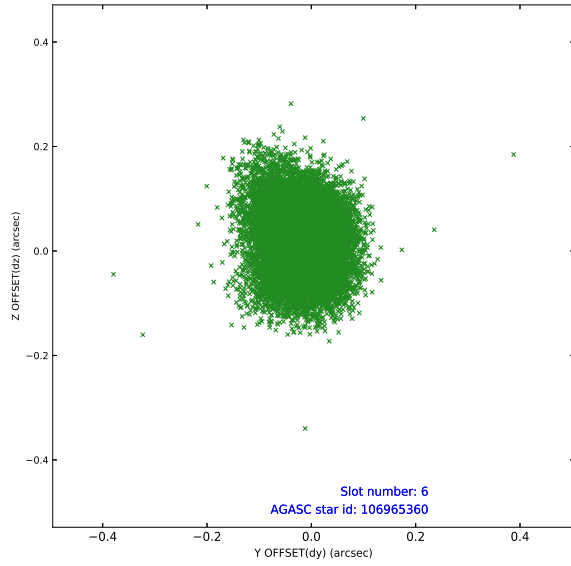
2.4.3 Slot 5



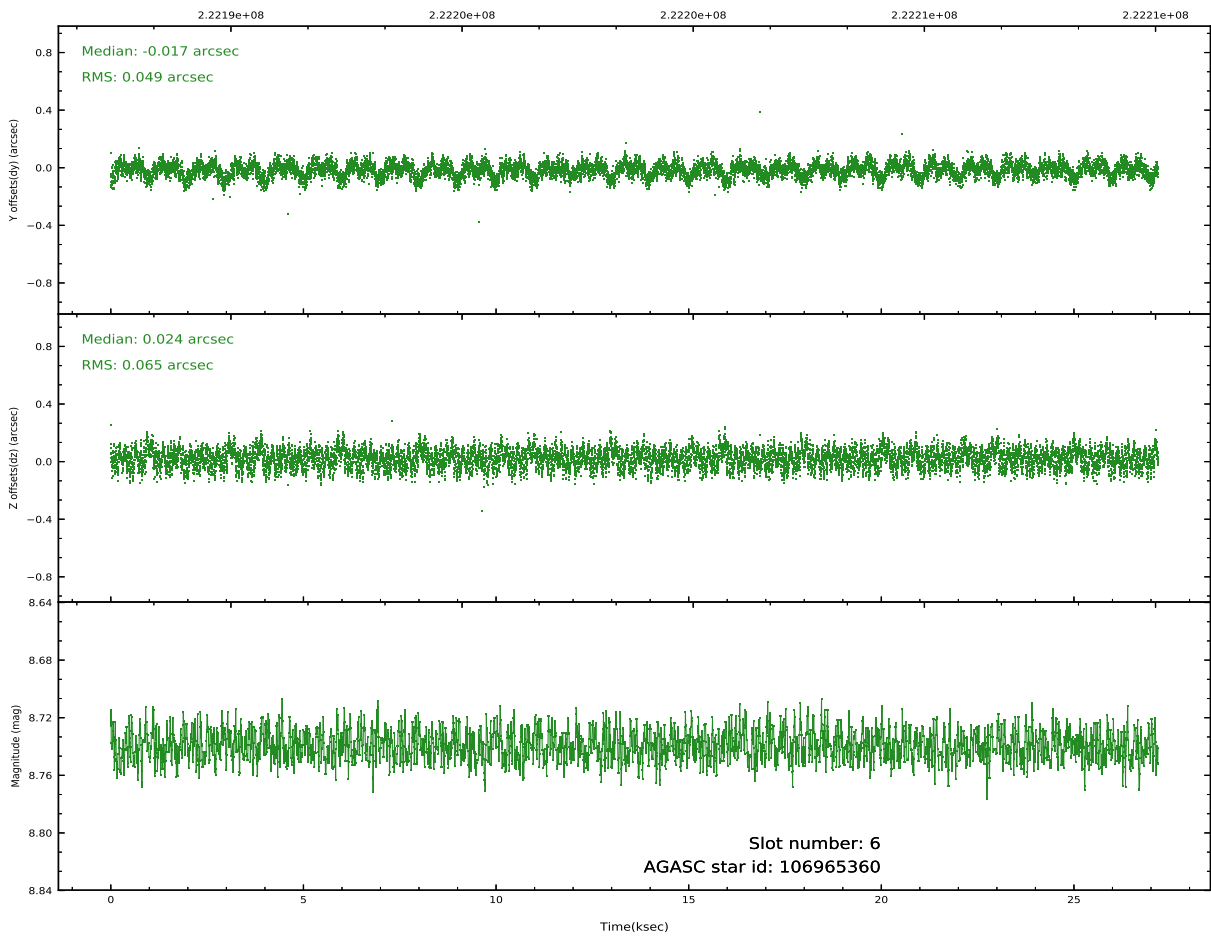
Time (s)



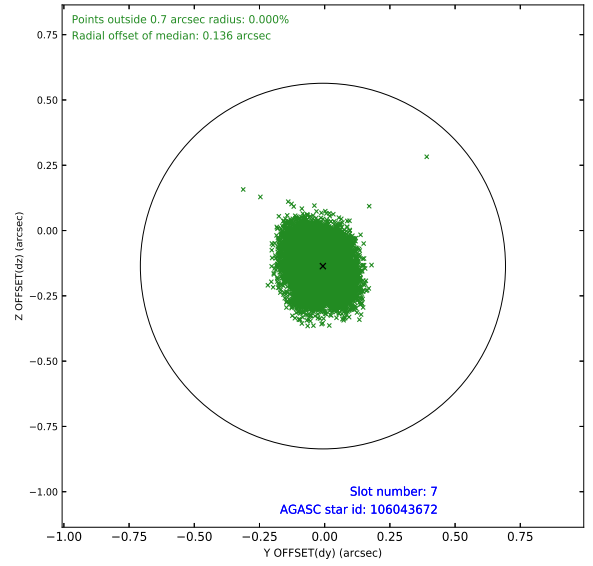
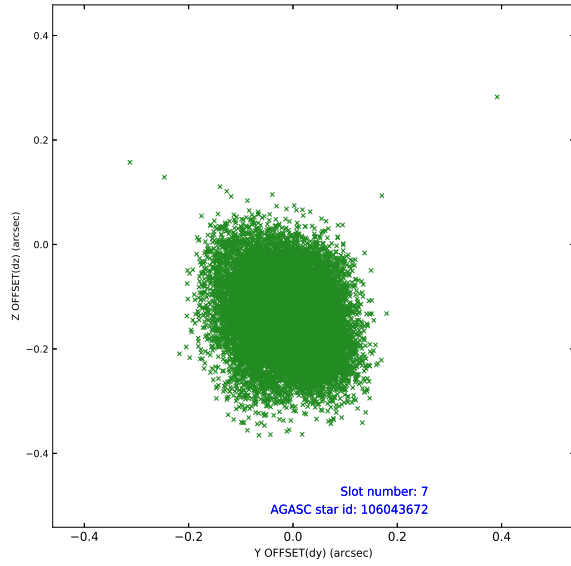
2.4.4 Slot 6



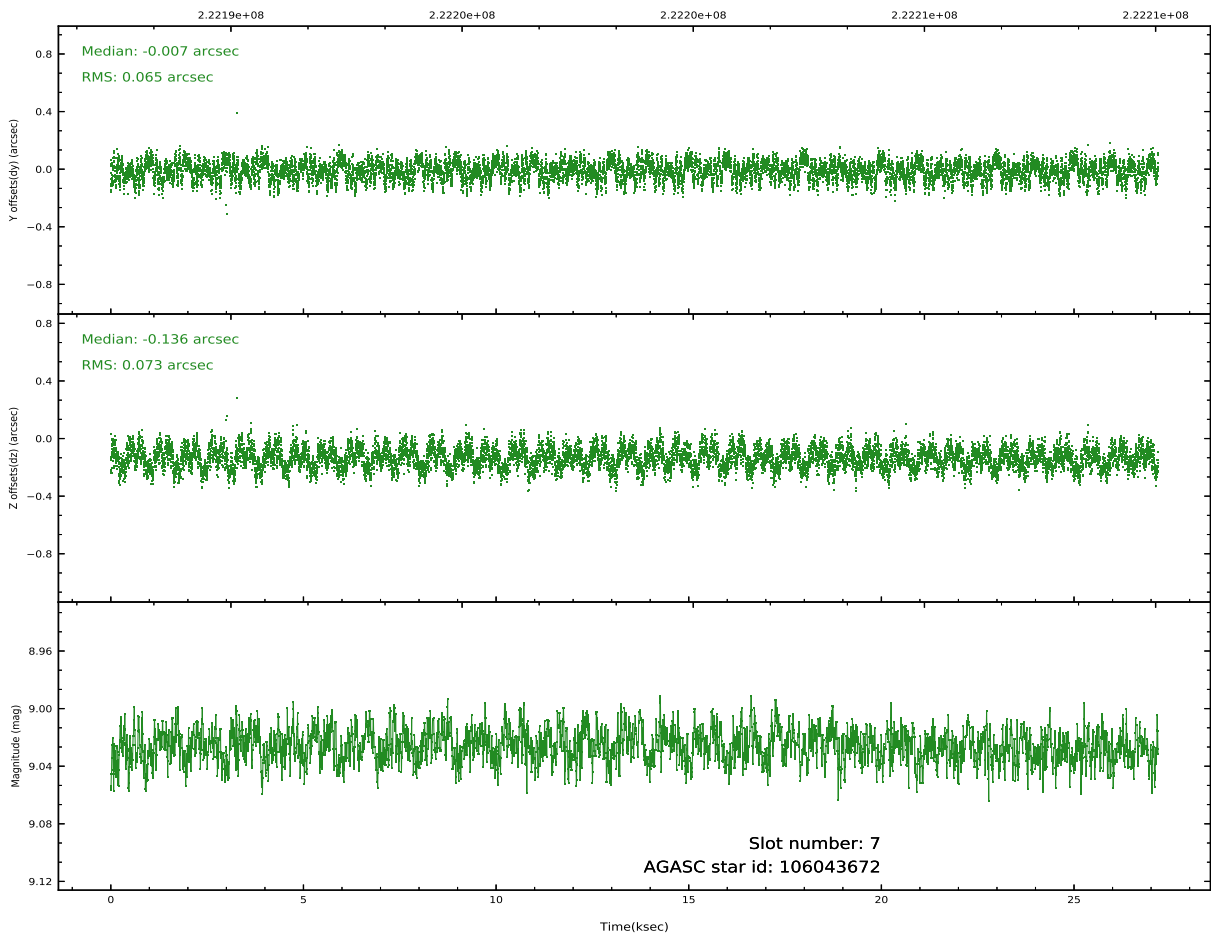
Time (s)



2.4.5 Slot 7

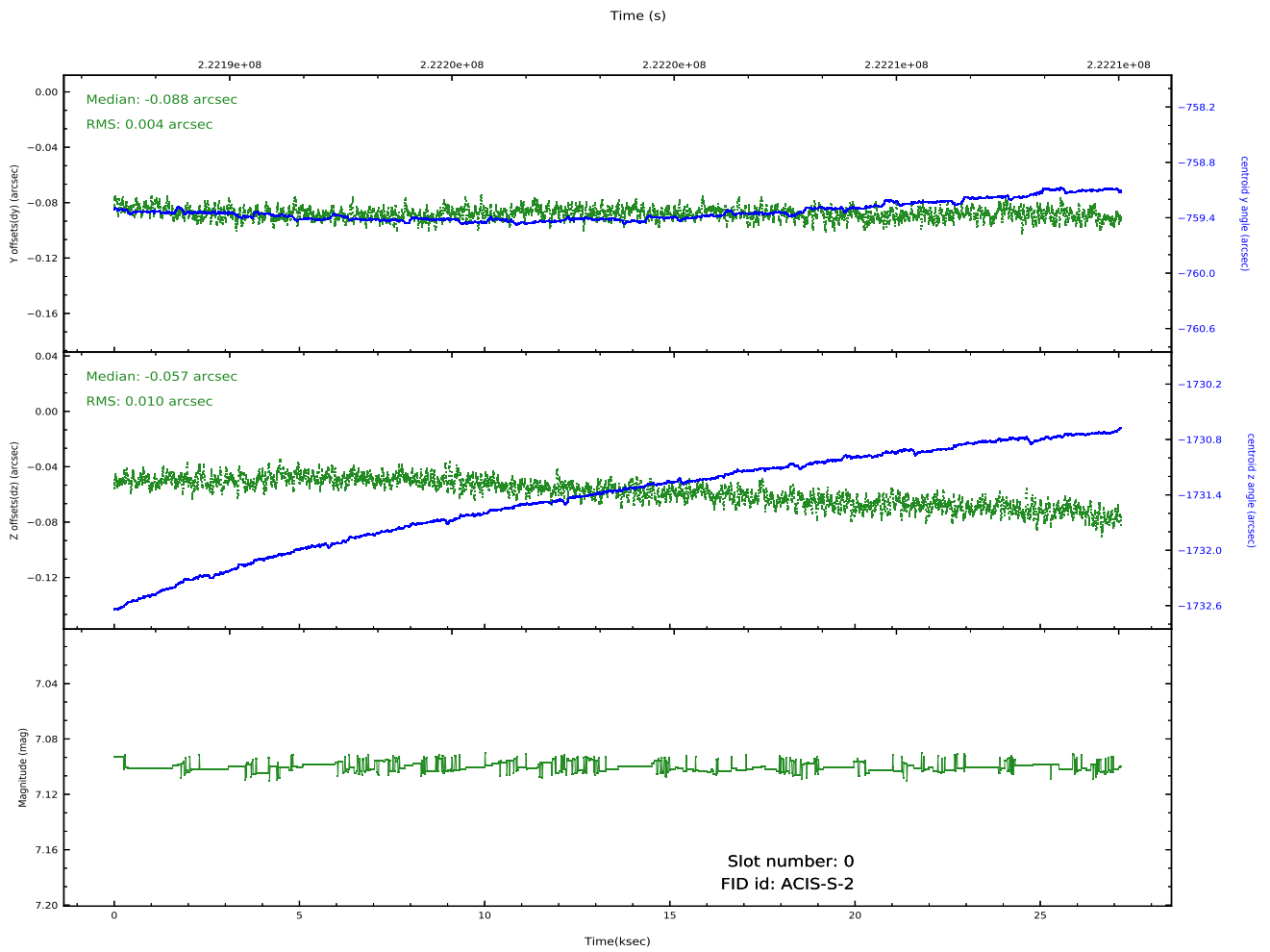
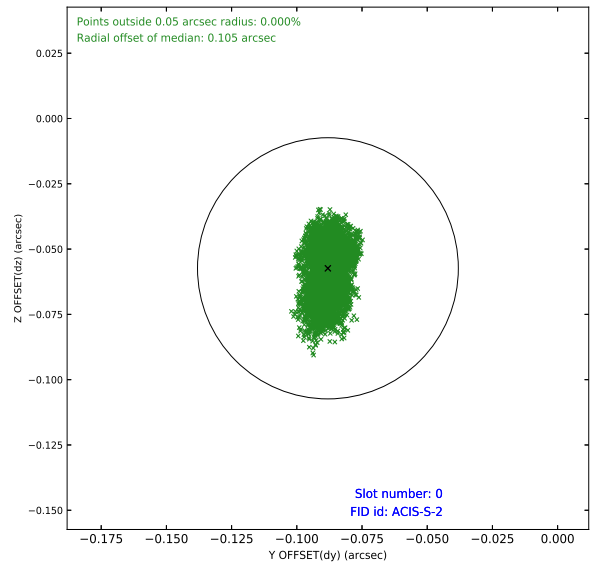
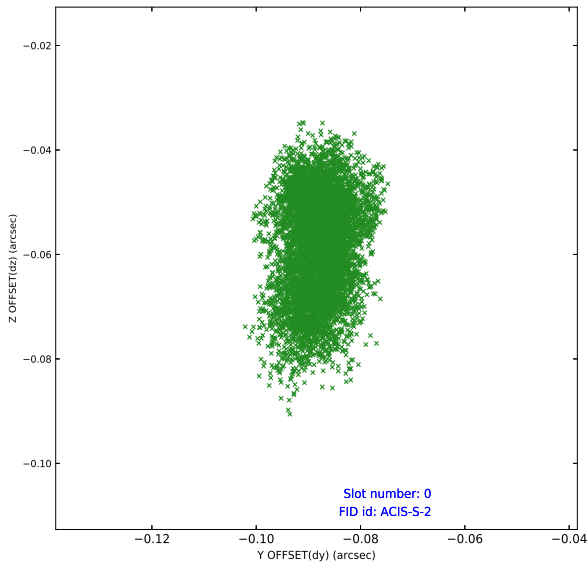


Time (s)

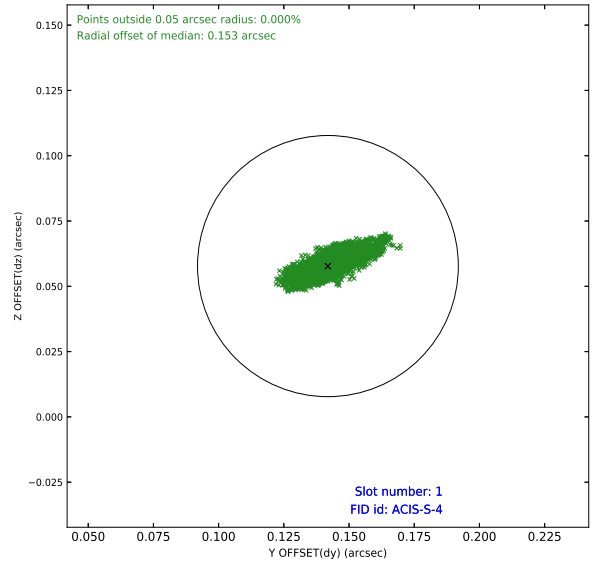
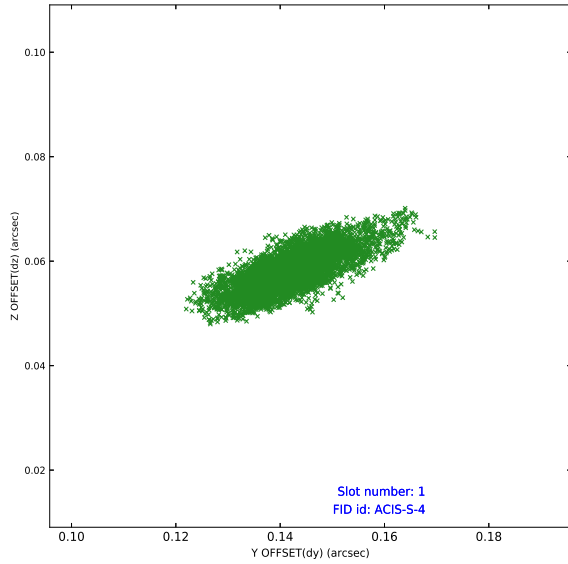


2.5 FID Slots

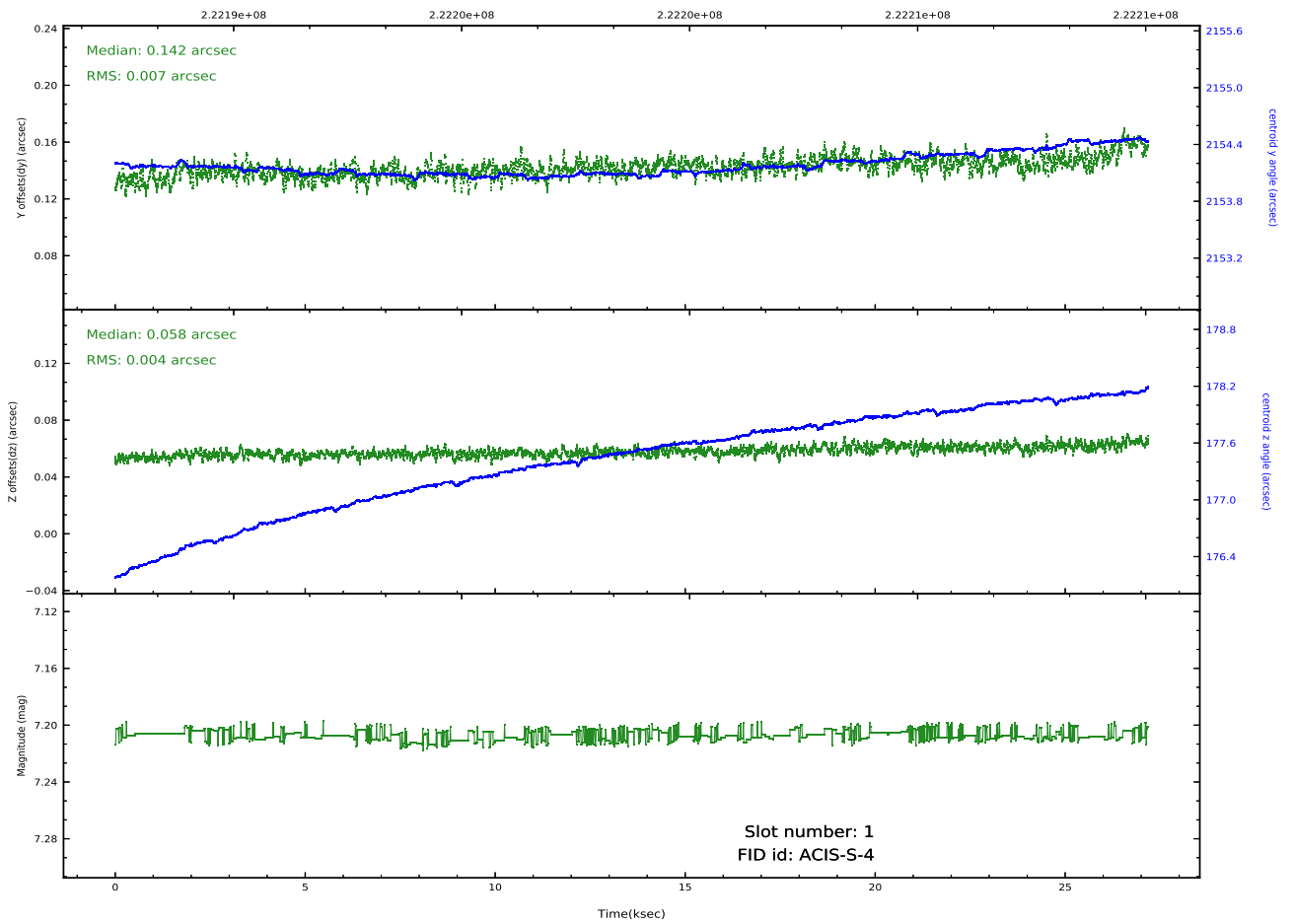
2.5.1 Slot 0



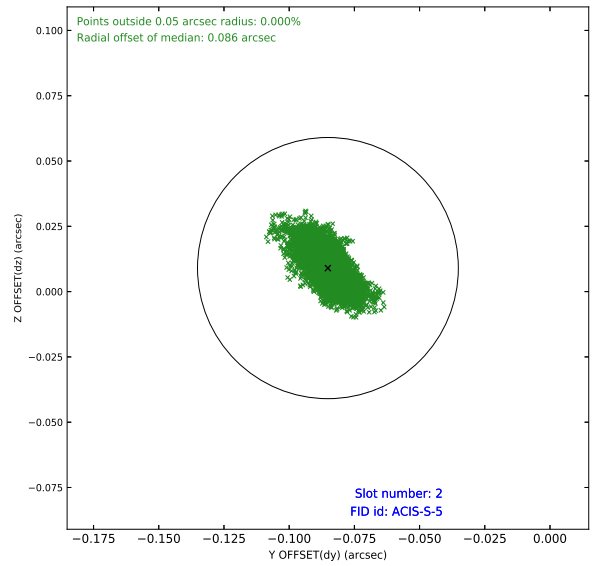
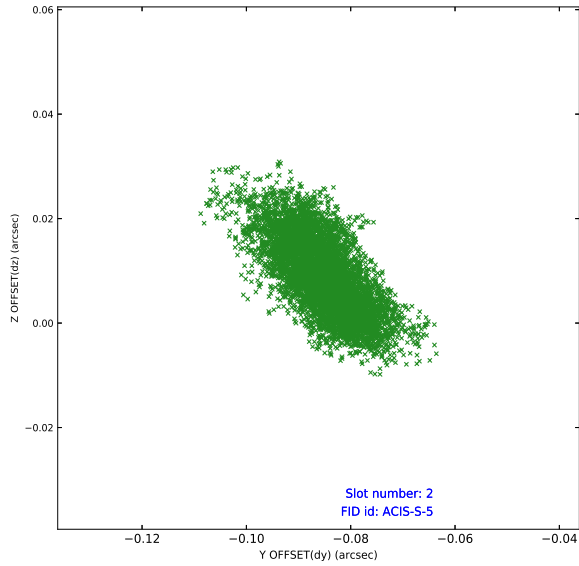
2.5.2 Slot 1



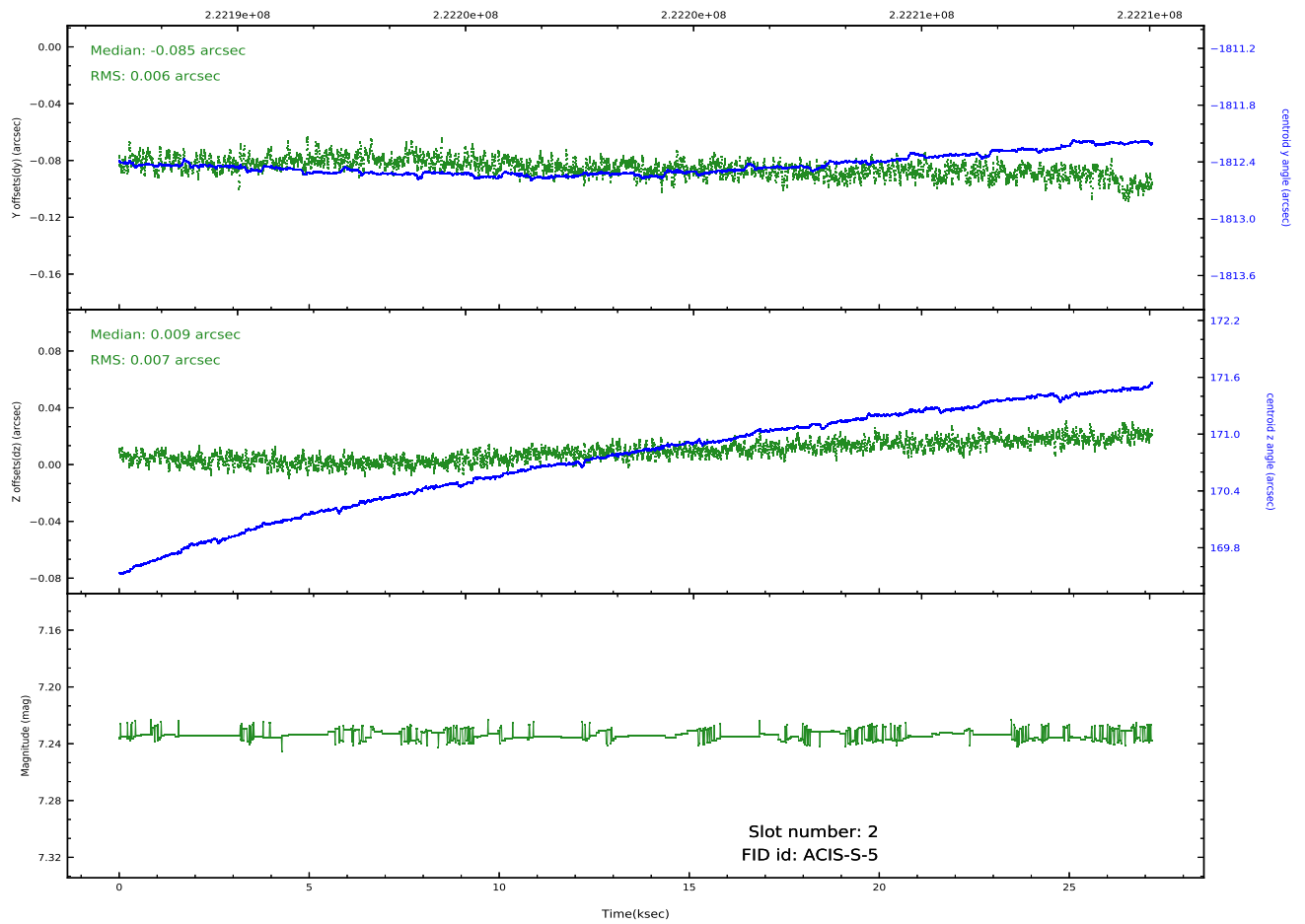
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.18079

A.2 Comments