

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4814 - L2 Version 4
Chandra X-Ray Center

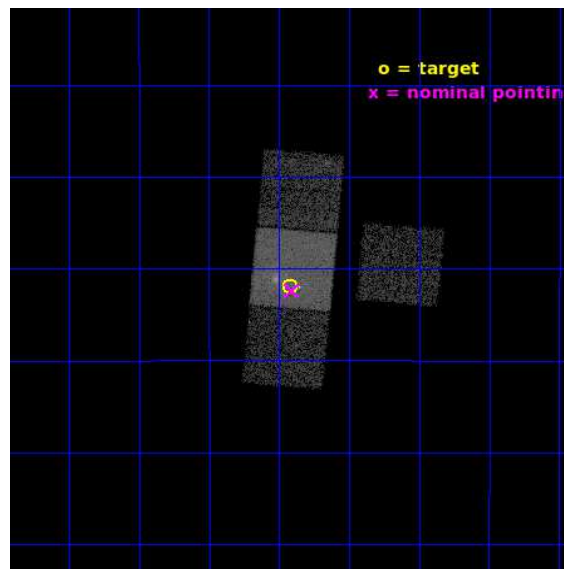
L2 Processing Date : Sep 24 2020

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1 Front

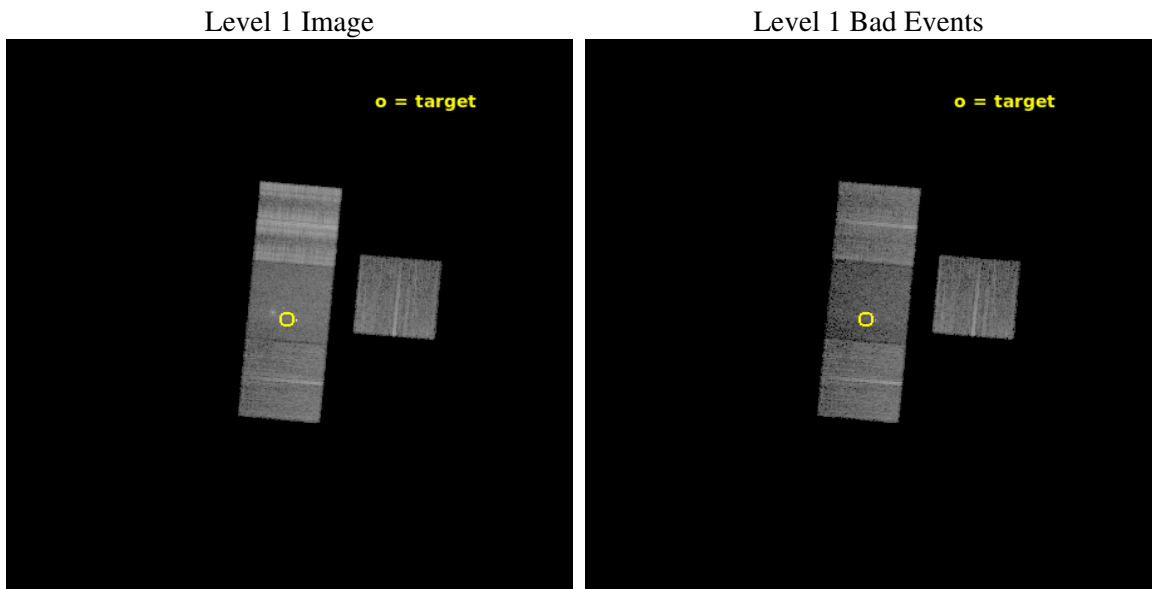
seq_num	700897	Sequence number
obs_id	4814	Observation id
title	Towards a microlensing mapping of an accretion disk	Proposal title
observer	Dr Jean-Francois Claeskens	Principal investigator
object	1RXSJ113155.4-123155	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.980833	Observer's specified target RA [deg]
dec_targ	-12.531944	Observer's specified target Dec [deg]
ra_nom	172.97710386921	Nominal RA [deg]
dec_nom	-12.539909766904	Nominal Dec [deg]
roll_nom	275.1937661732	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10180.399980396	Sum of GTIs [s]
livetime	10047.385559951	Livetime [s]
ontime3	10174.118089527	Sum of GTIs [s]
ontime6	10177.259000152	Sum of GTIs [s]
ontime7	10180.399980396	Sum of GTIs [s]
ontime8	10180.399980396	Sum of GTIs [s]
l2events	53965	Number of level 2 events



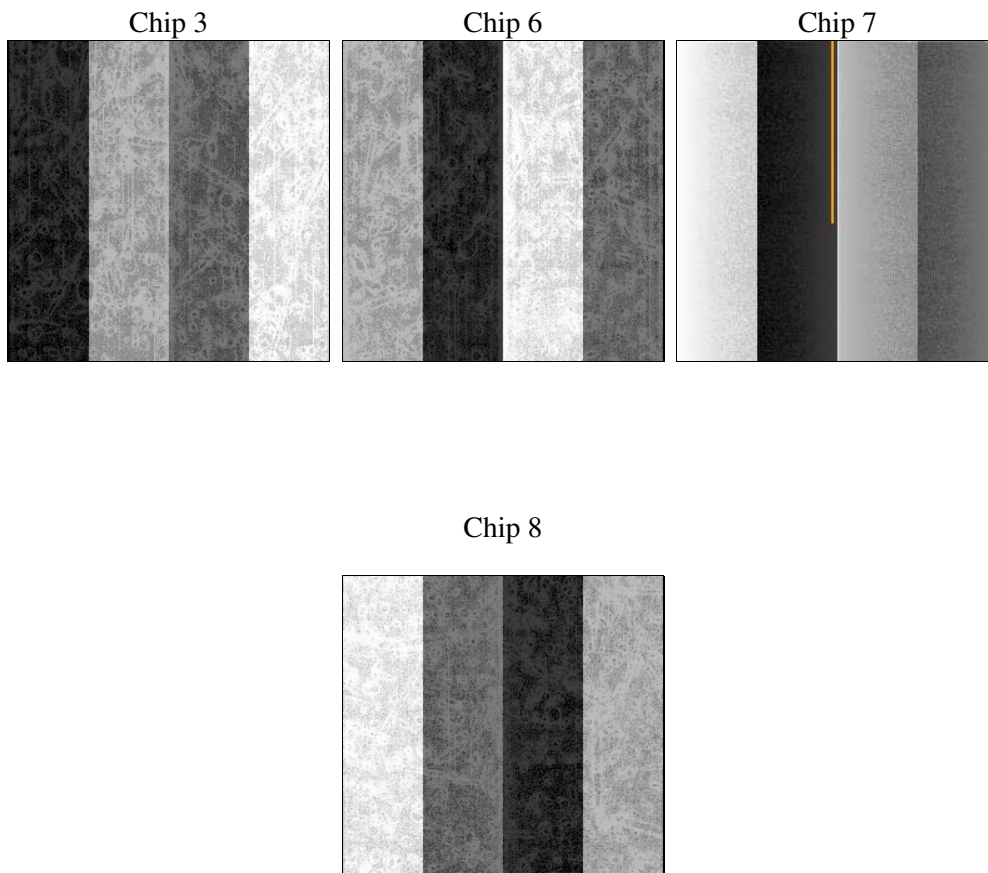
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10180.399980396	Sum of GTIs [s]
caldsver	4.9.2	 	ontime3	10174.118089527	Sum of GTIs [s]
date	2020-09-25T01:52:34	Date and time of file creation	ontime6	10177.259000152	Sum of GTIs [s]
revision	4	Processing version of data	ontime7	10180.399980396	Sum of GTIs [s]
			ontime8	10180.399980396	Sum of GTIs [s]
			l1events	478192	Number of level 1 events

2.1.4 Events

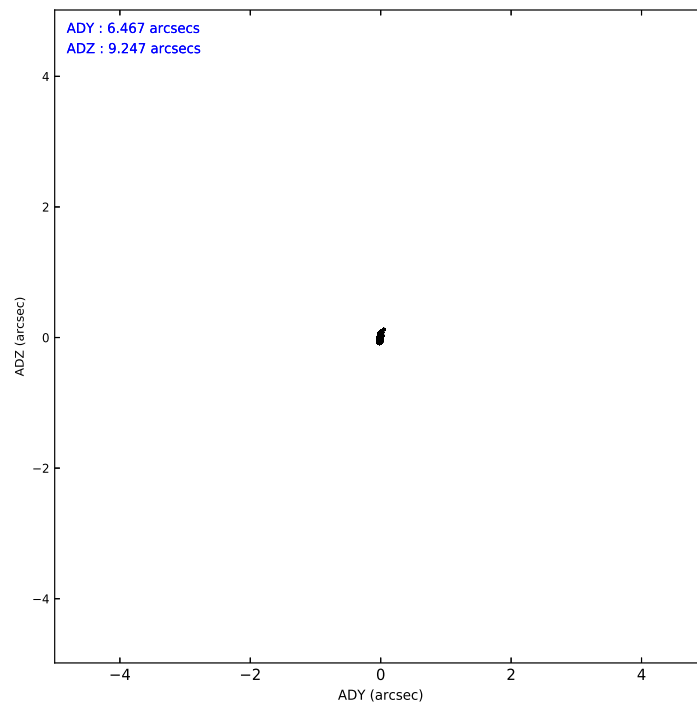
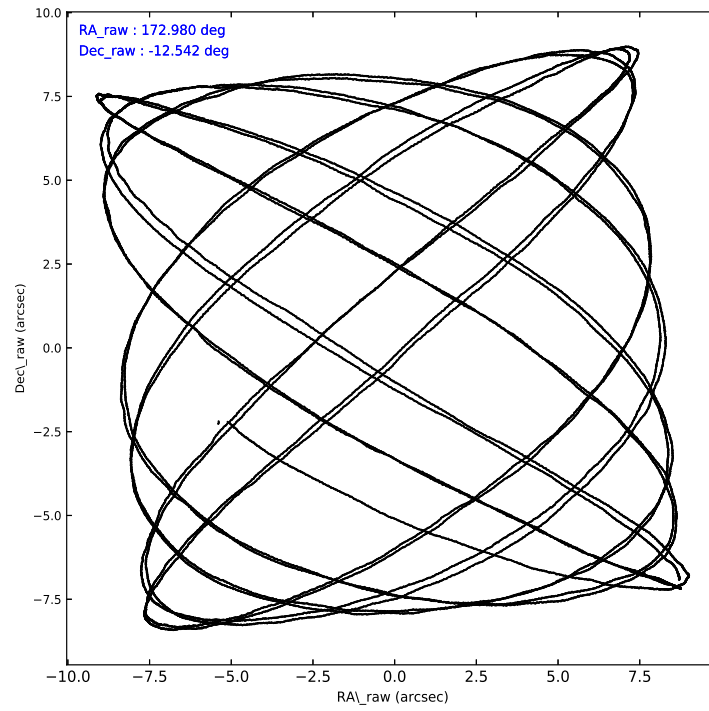
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	88613	96081	87534	205964
rejected events	82728	88004	50482	116038
rejected %	93%	91%	57%	56%

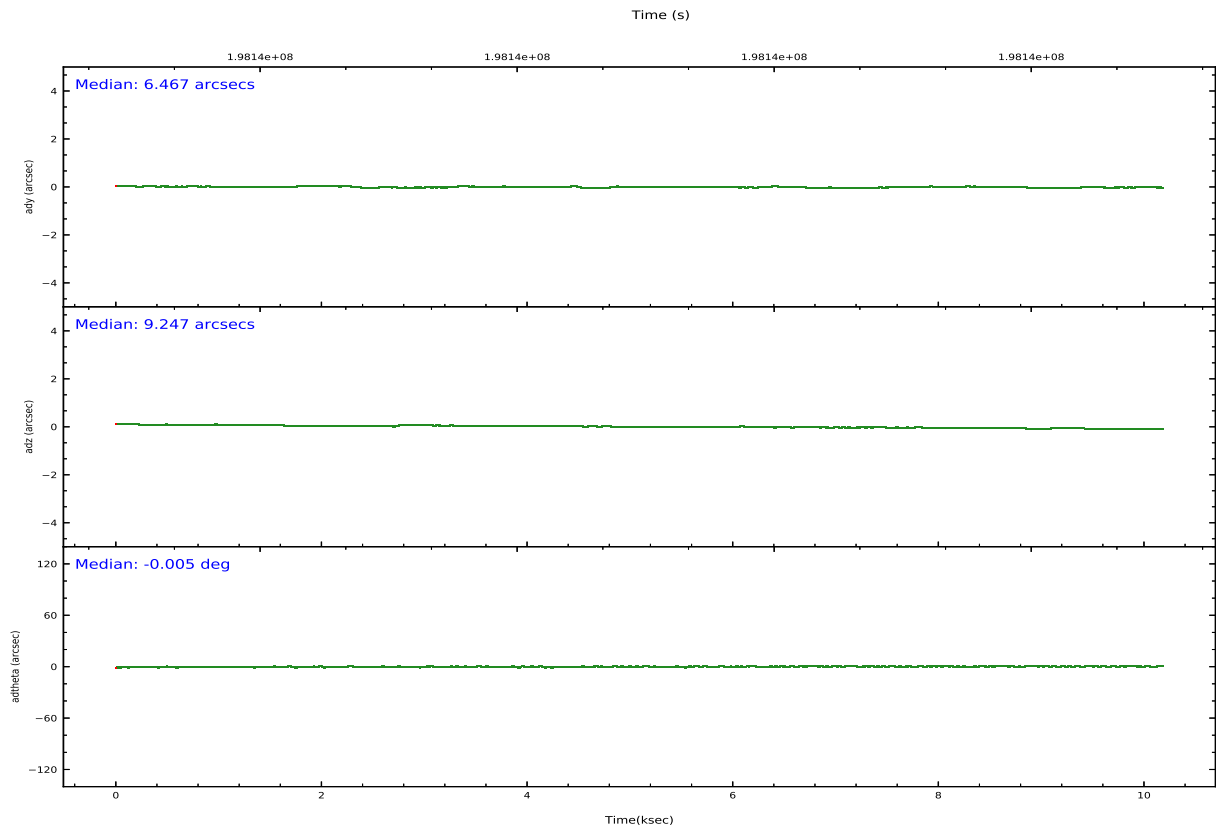
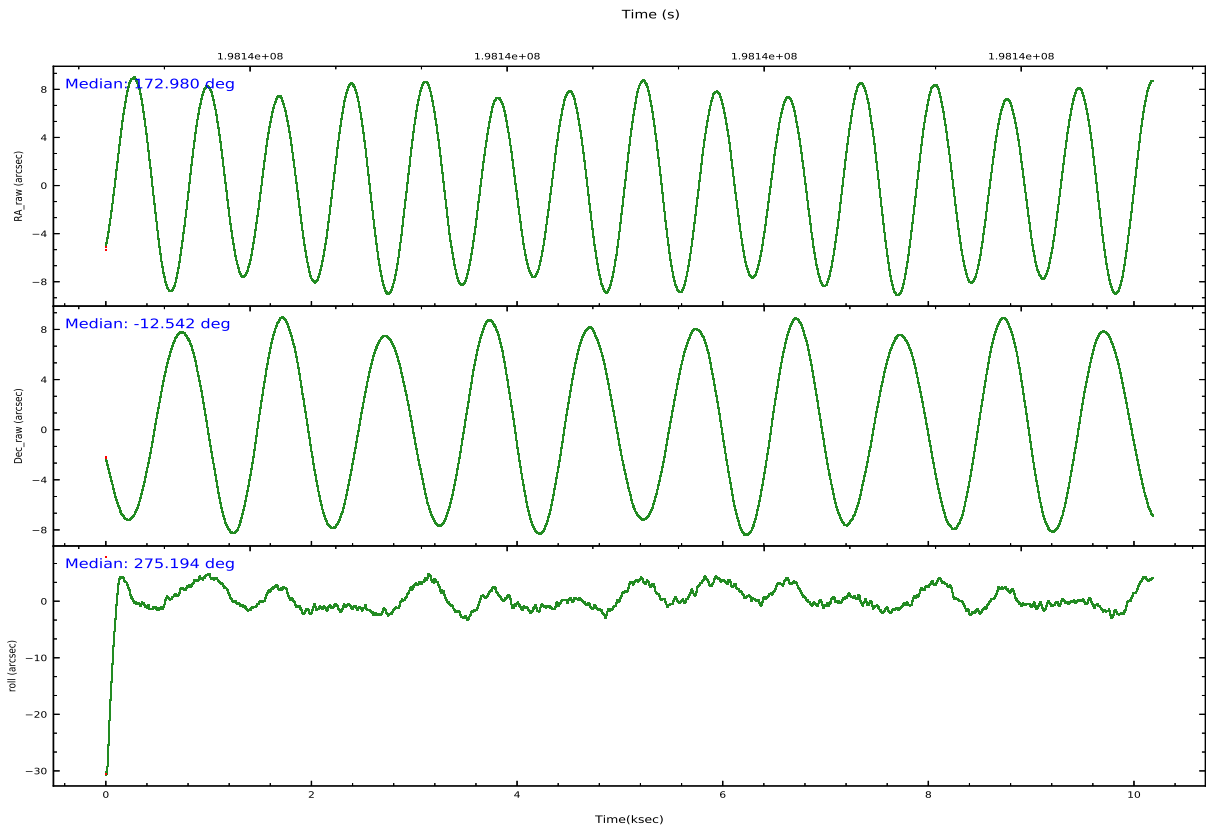
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2409	3592	5059	29307
	2%	3%	5%	14%
grade 1 events	39	54	147	264
	0%	0%	0%	0%
grade 2 events	1705	2758	9514	16569
	1%	2%	10%	8%
grade 3 events	797	820	4320	18900
	0%	0%	4%	9%
grade 4 events	764	813	4290	16909
	0%	0%	4%	8%
grade 5 events	2660	2706	8821	5191
	3%	2%	10%	2%
grade 6 events	1335	1604	19535	27044
	1%	1%	22%	13%
grade 7 events	78904	83734	35848	91780
	89%	87%	40%	44%

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	172.963601	172.97710386921	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.519543	-12.539909766904	Alternating exposures requested	N	N
[deg] Pointing Roll	275.030657	275.1937661732	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	198115264.184000	198115264.184000			
[s] Window stop time (MET)	198806464.184000	198806464.184000			
[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)	198136283.184000	198134350.48451			
Observation start date	2004-04-12T05:50:19	2004-04-12T05:19:10			
[s] Observation end time (MET)	198146283.184000	198146416.78504			
Observation end date	2004-04-12T08:36:59	2004-04-12T08:40:16			
Read mode	TIMED	TIMED			

2.3 Aspect



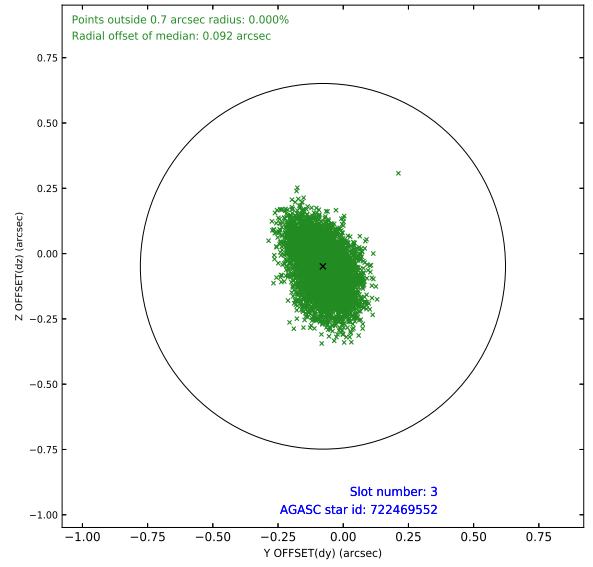
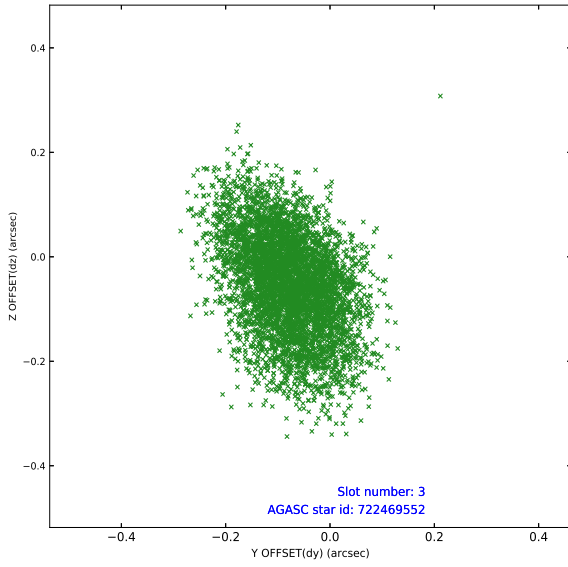


Slot Statistics

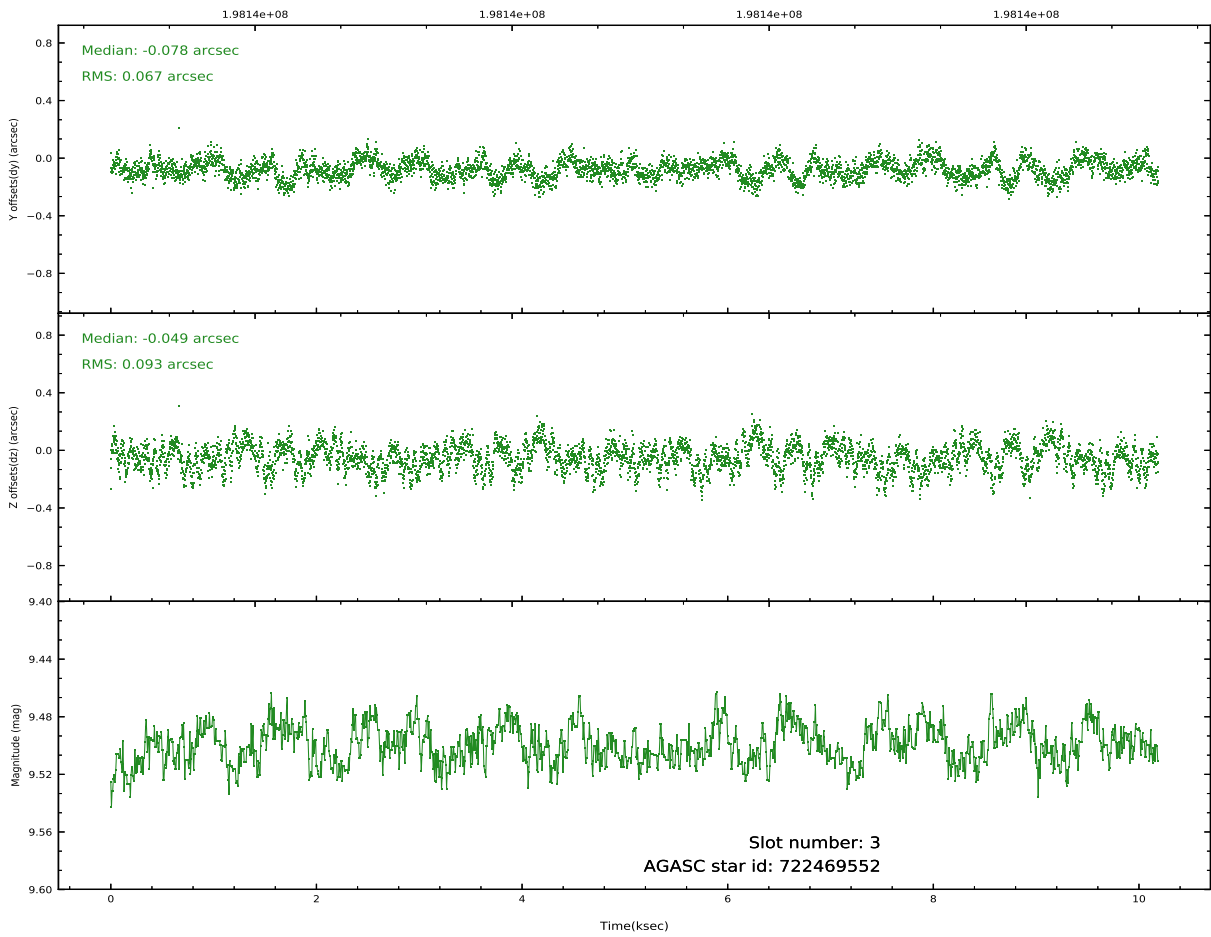
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	2485	1.000	-0.079	-0.072	0.007	0.011	0.000000	0.000000	-759.24	-1730
1	FID		ACIS-S-4	7.21	2485	1.000	0.142	0.057	0.006	0.010	0.000000	0.000000	2153.98	177
2	FID		ACIS-S-5	7.23	2485	1.000	-0.095	0.024	0.007	0.011	0.000000	0.000000	-1811.47	171
3	GUIDE	used	722469552	9.50	4968	1.000	-0.078	-0.049	0.122	0.204	172.271393	-12.124699	-1626.19	-2302
4	GUIDE	used	722473176	9.46	4964	1.000	-0.078	-0.026	0.089	0.141	172.599746	-12.066793	-1735.07	-1133
5	GUIDE	used	722871728	9.67	4907	1.000	0.006	0.034	0.121	0.190	173.202235	-12.568355	248.80	819
6	GUIDE	used	722872912	9.93	4967	1.000	0.066	0.020	0.116	0.191	173.118043	-12.649915	515.69	499
7	GUIDE	used	722873464	7.32	4969	1.000	0.084	0.029	0.070	0.108	172.661543	-13.050266	1811.79	-1222

2.4 Star Slots

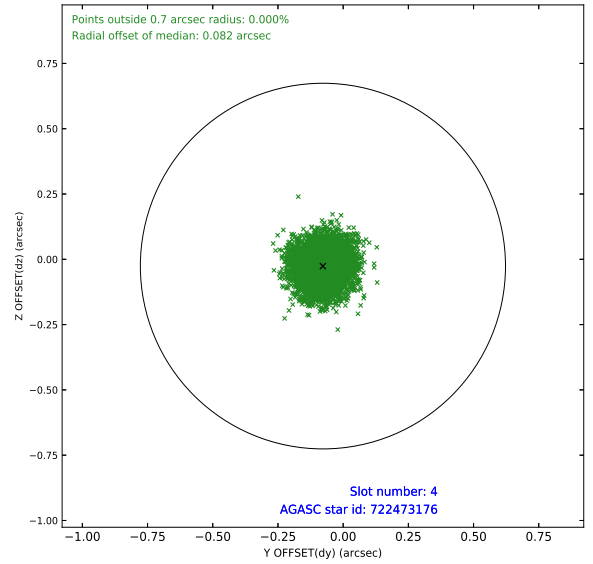
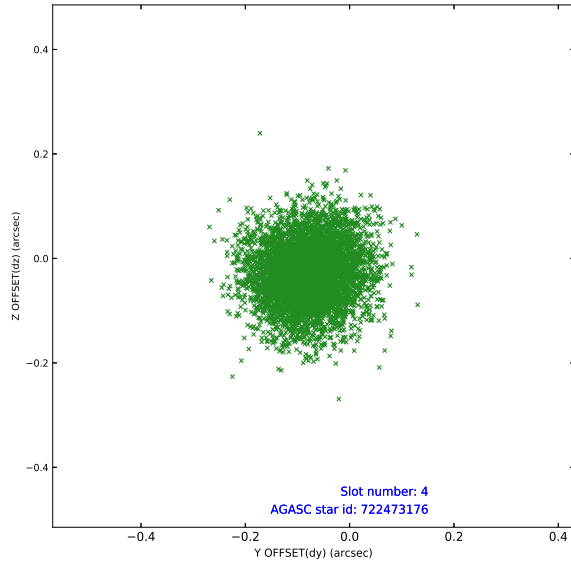
2.4.1 Slot 3



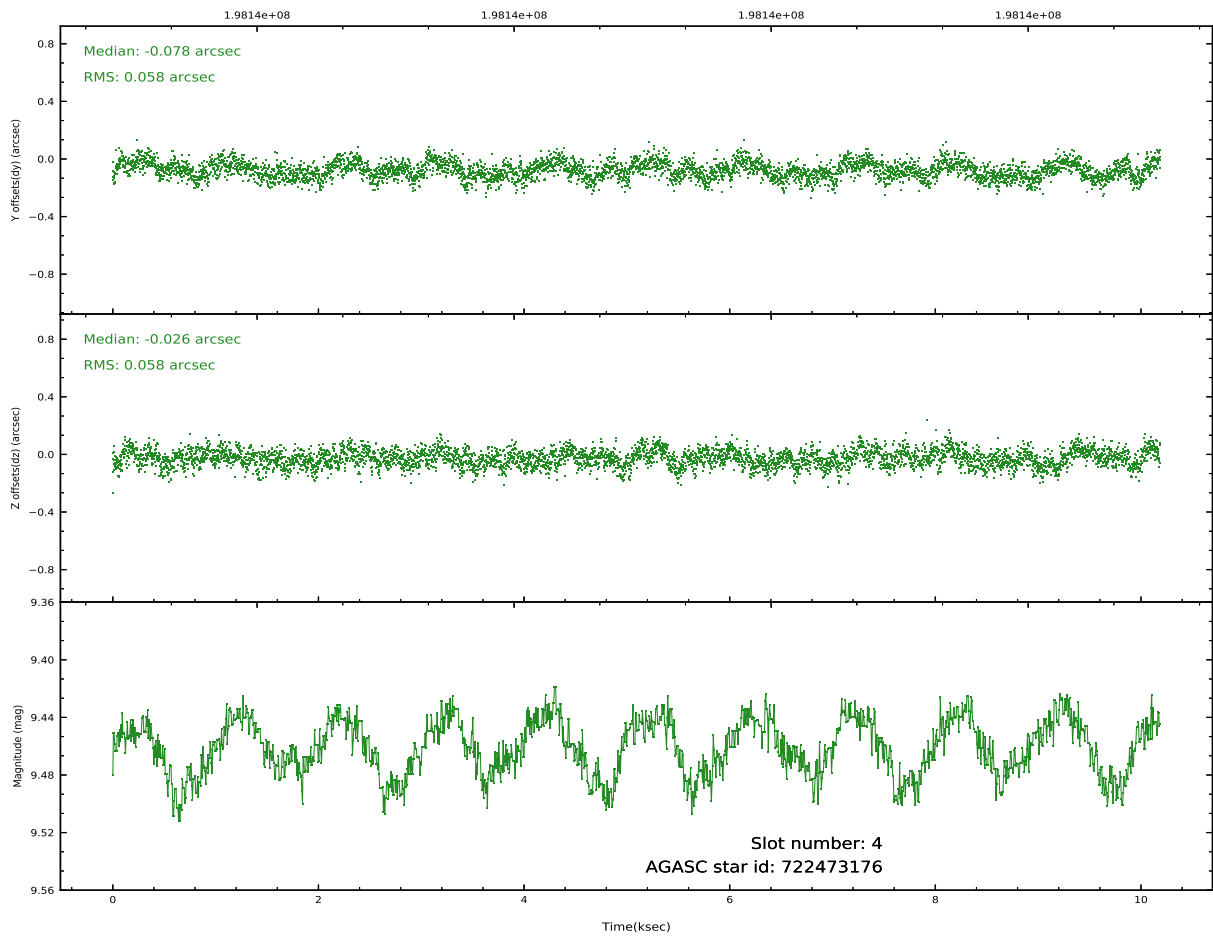
Time (s)



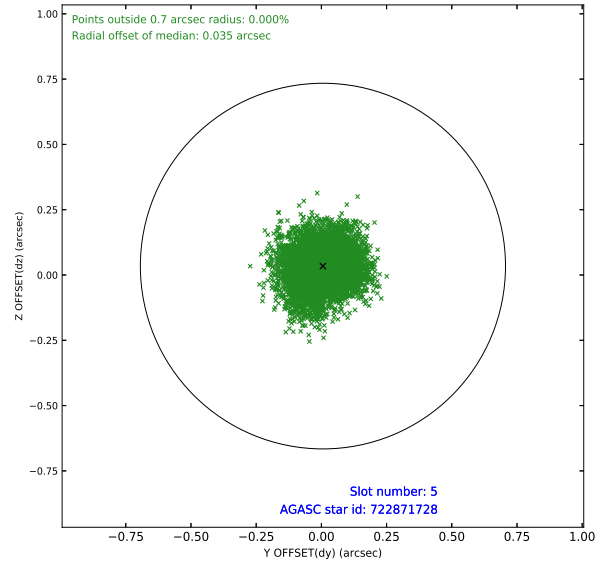
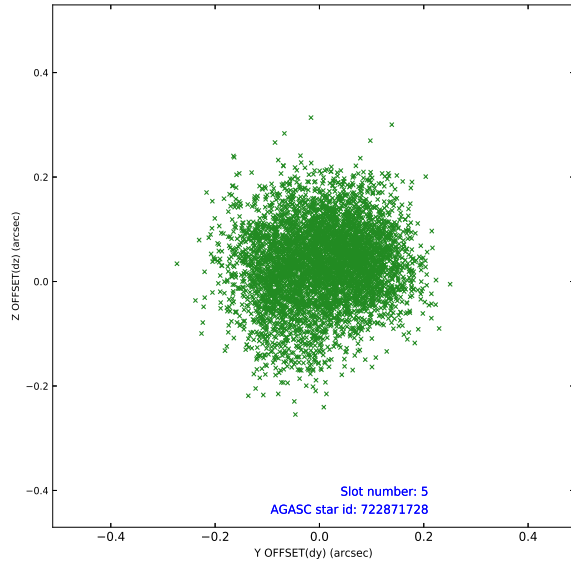
2.4.2 Slot 4



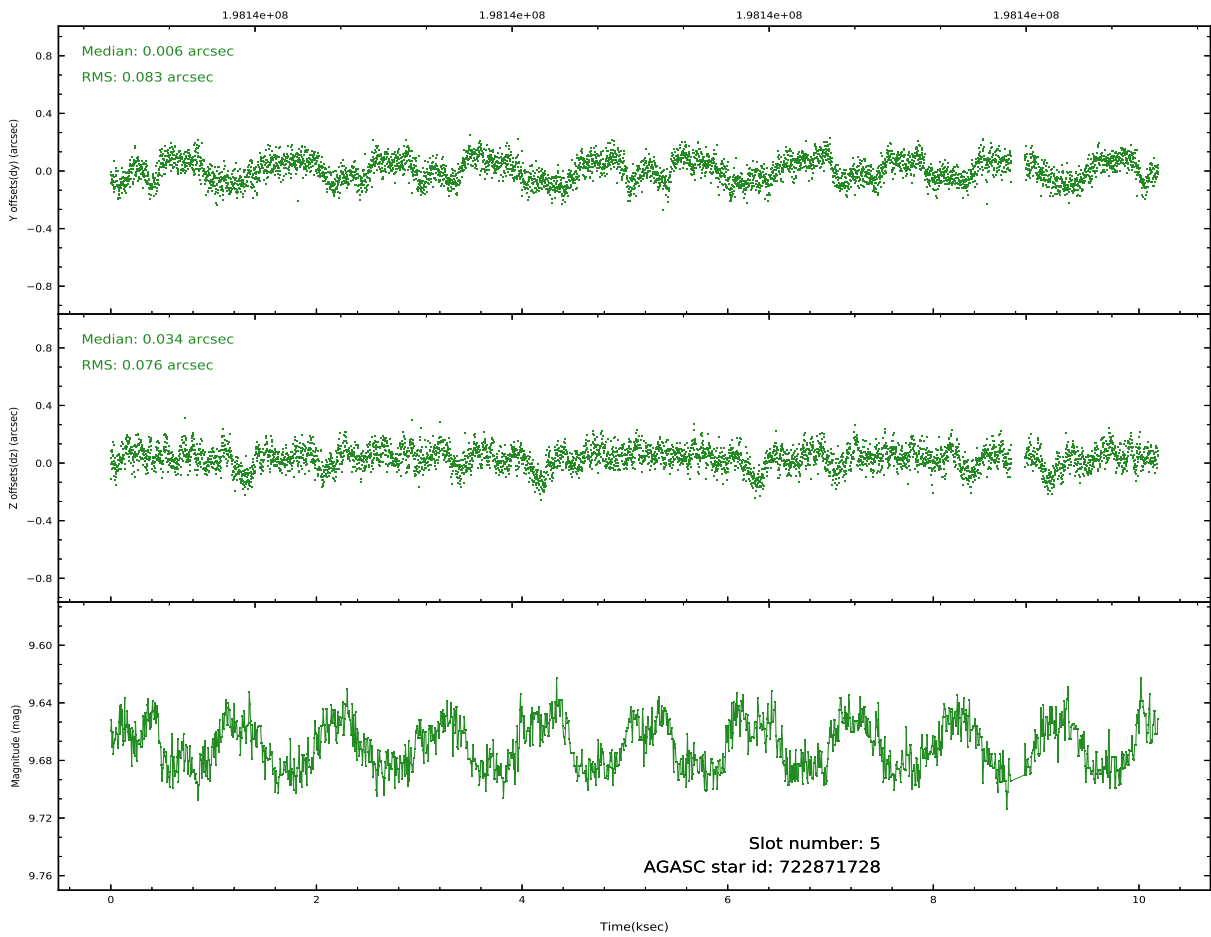
Time (s)



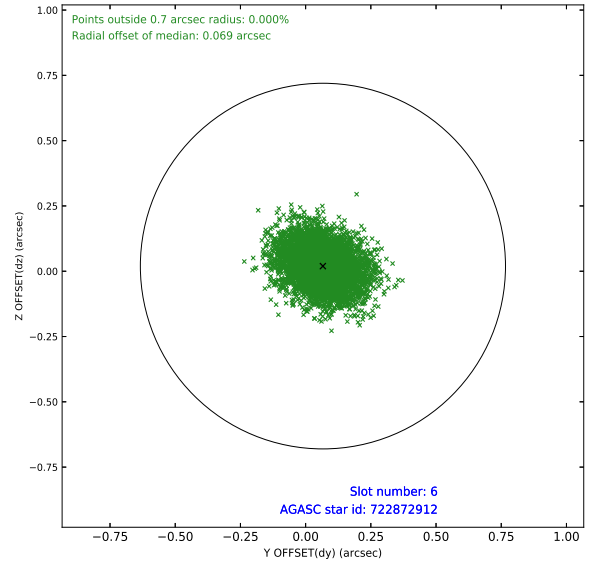
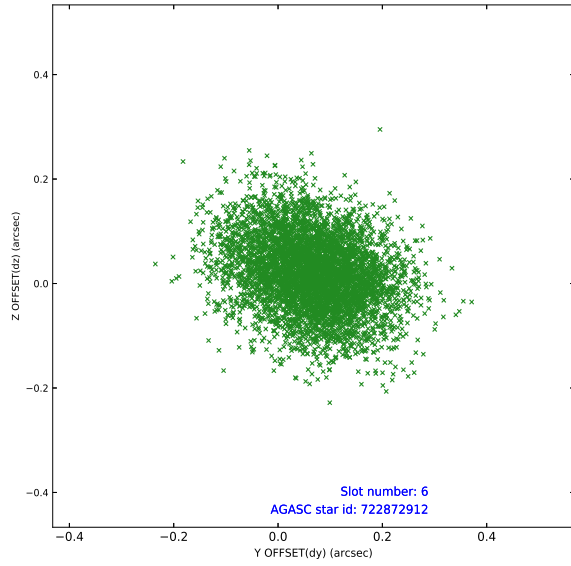
2.4.3 Slot 5



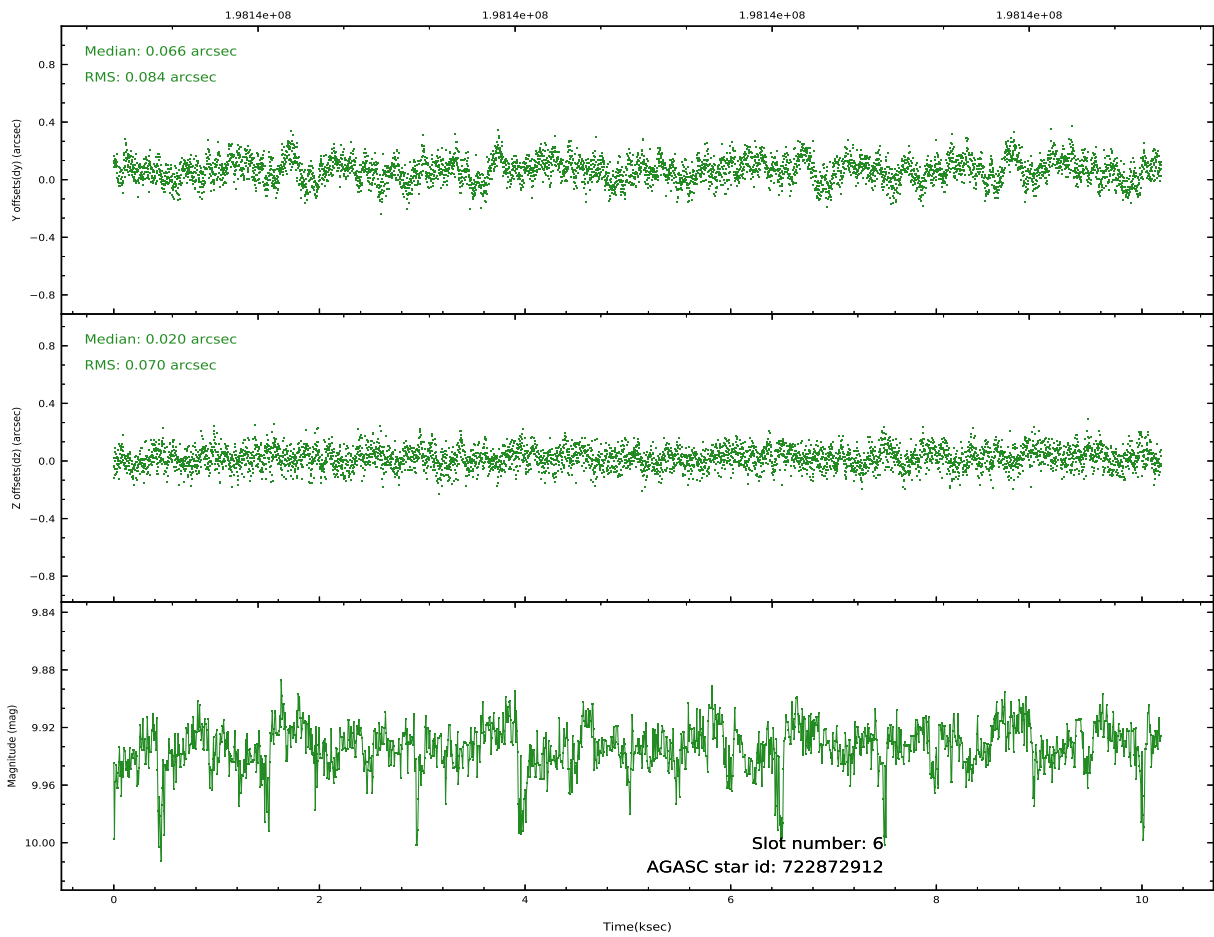
Time (s)



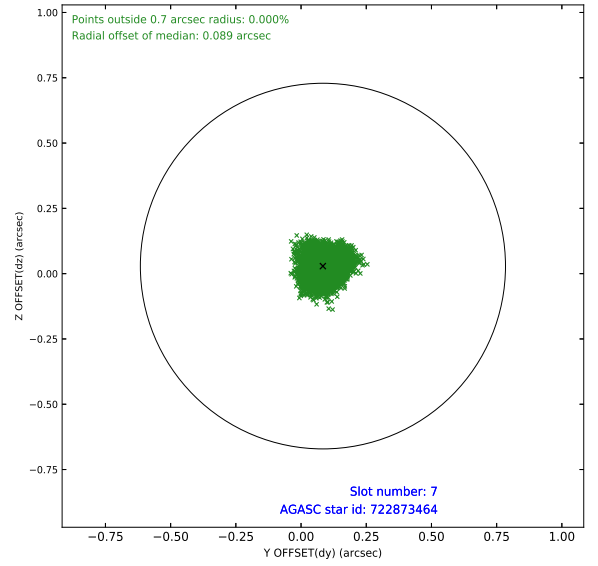
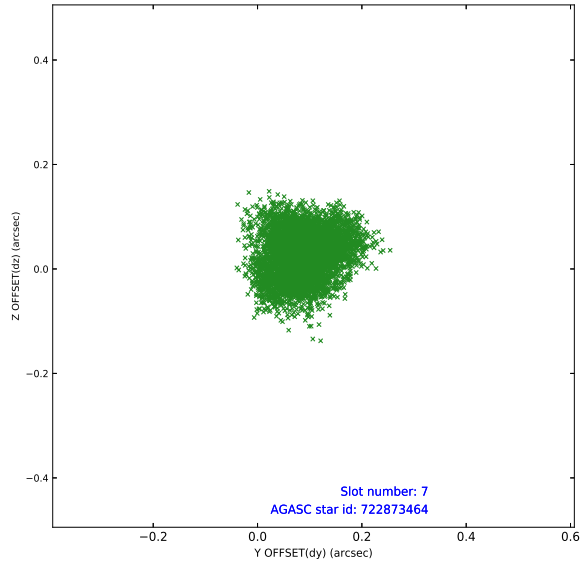
2.4.4 Slot 6



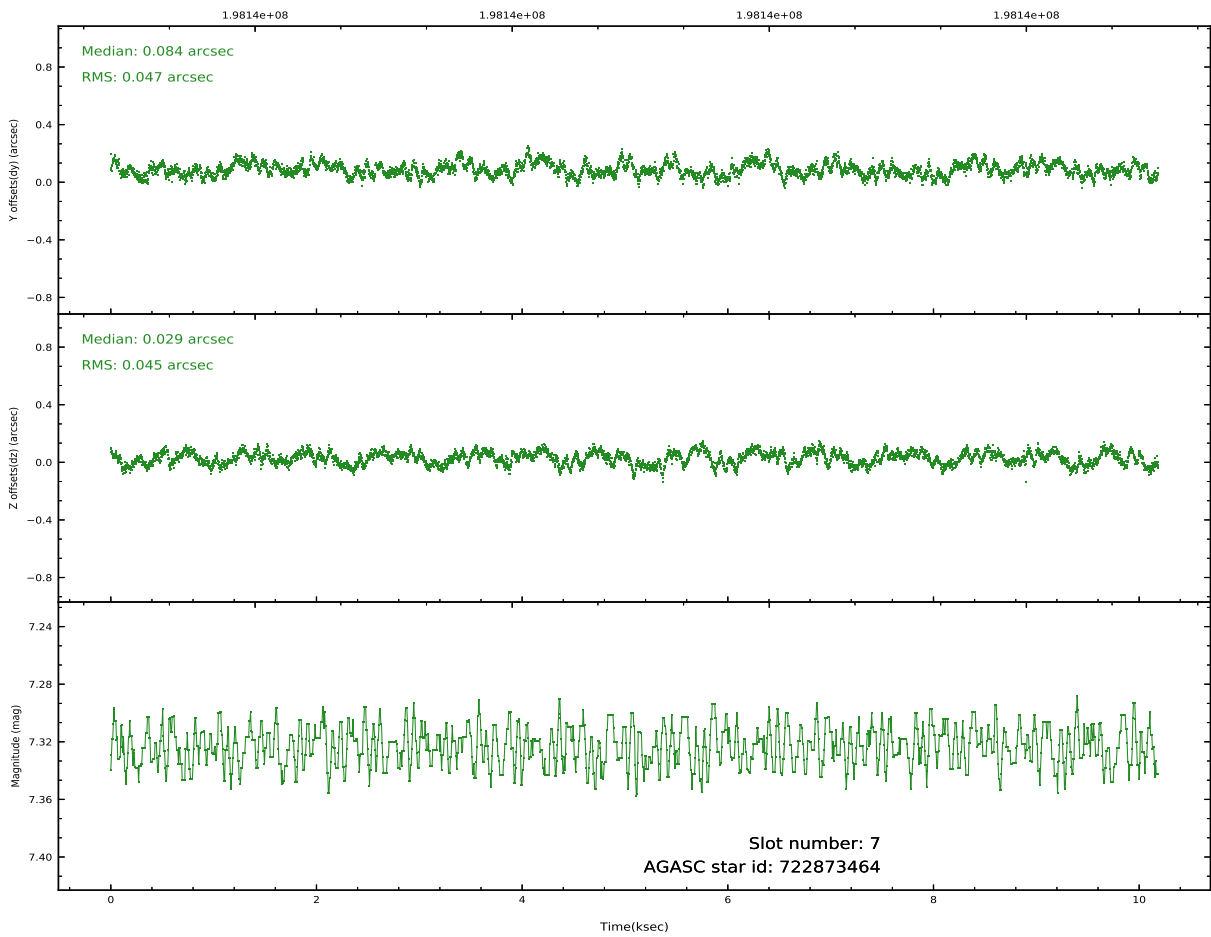
Time (s)



2.4.5 Slot 7

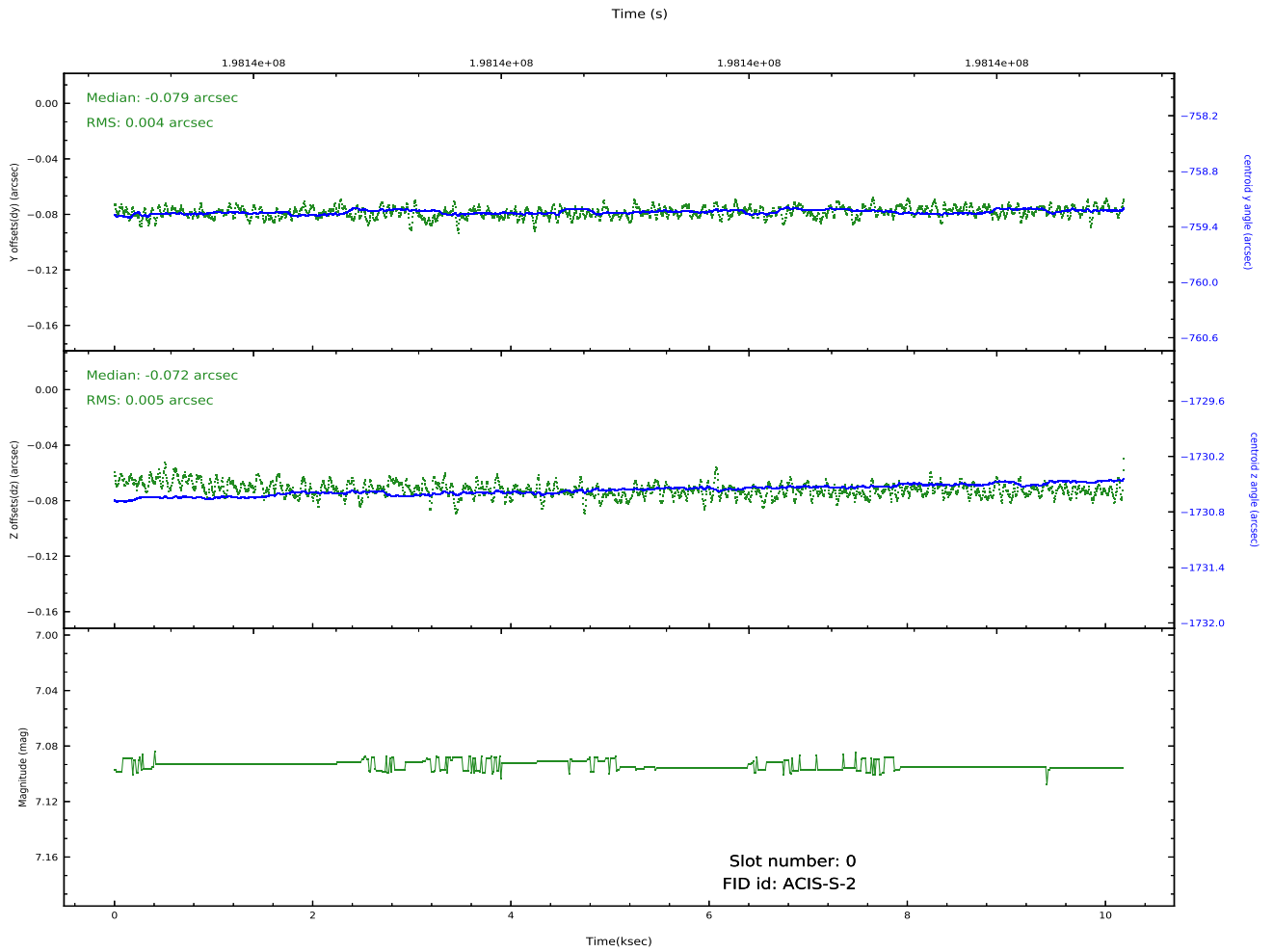
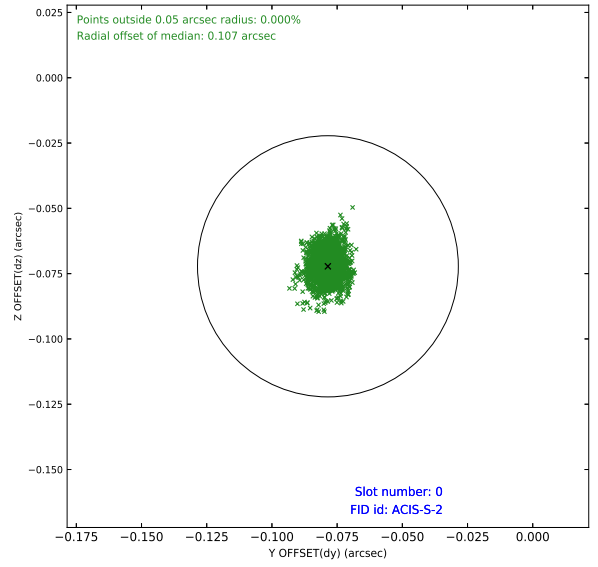
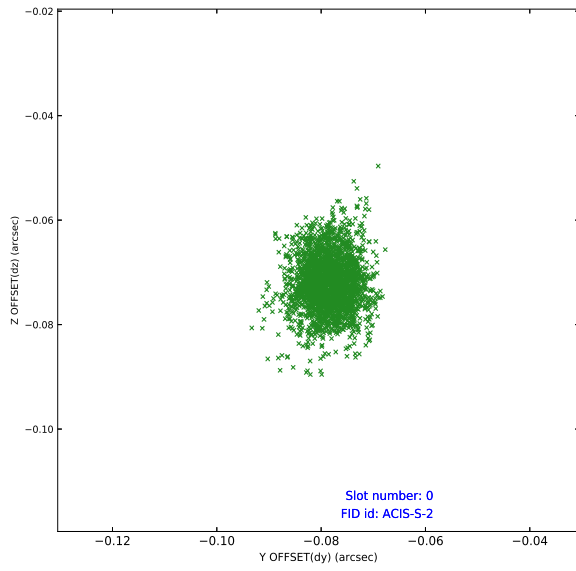


Time (s)

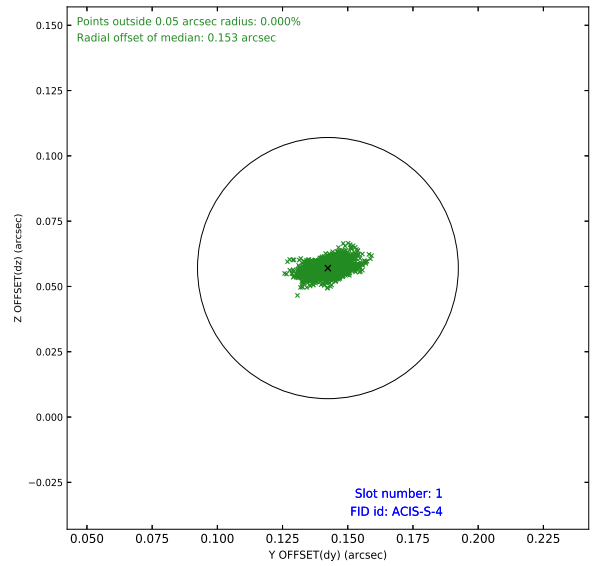
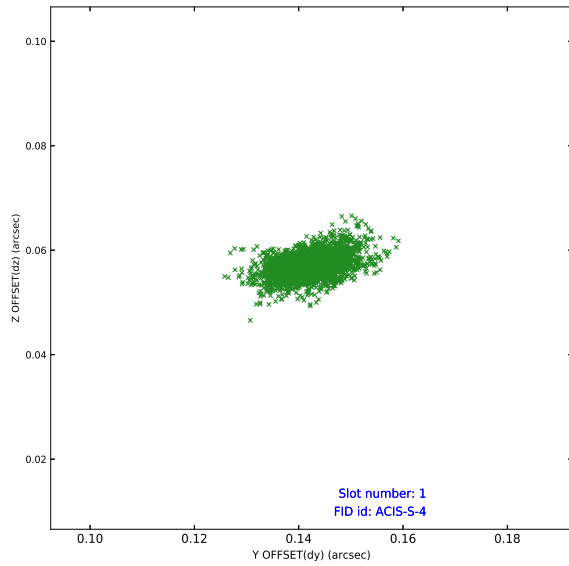


2.5 FID Slots

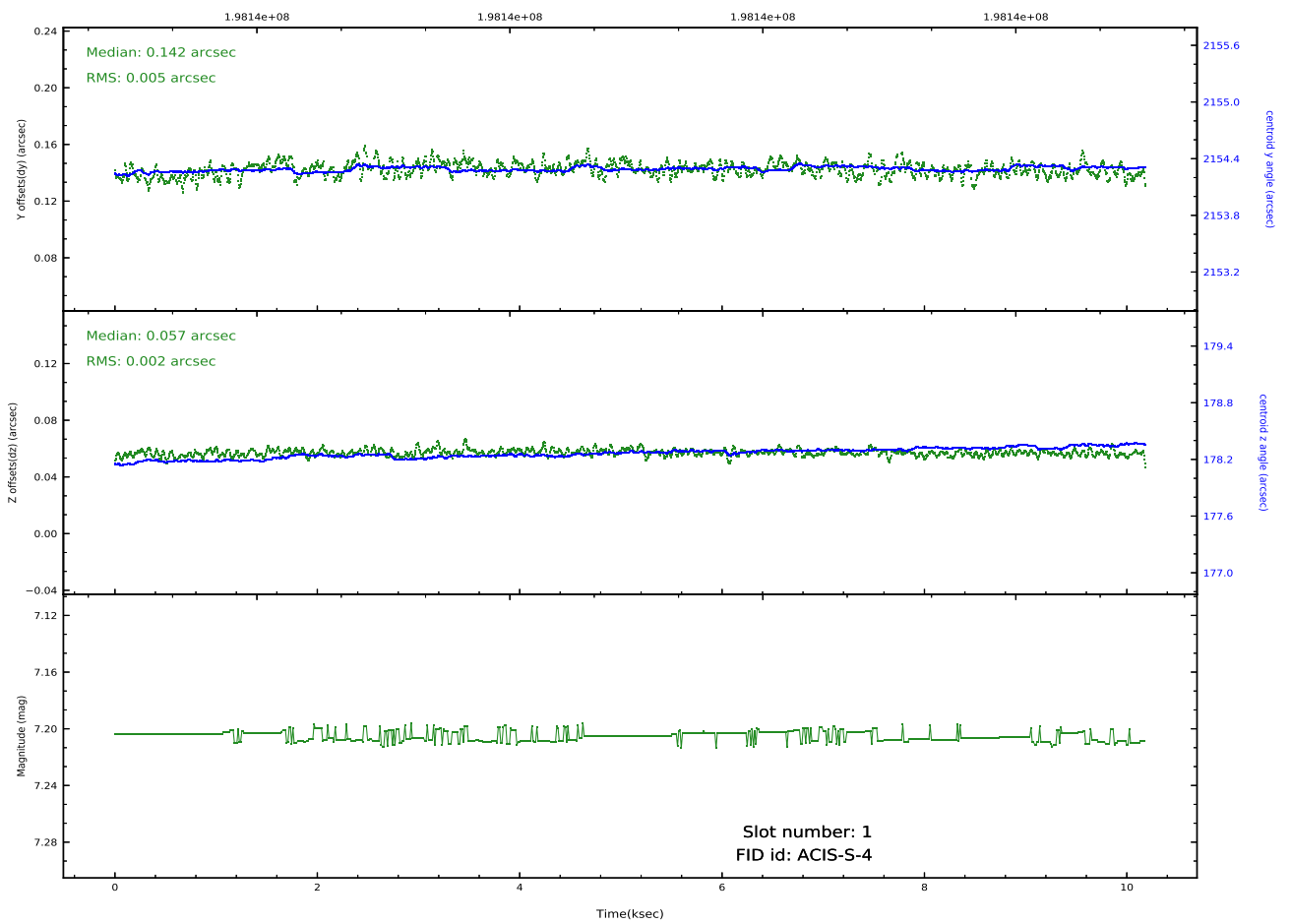
2.5.1 Slot 0



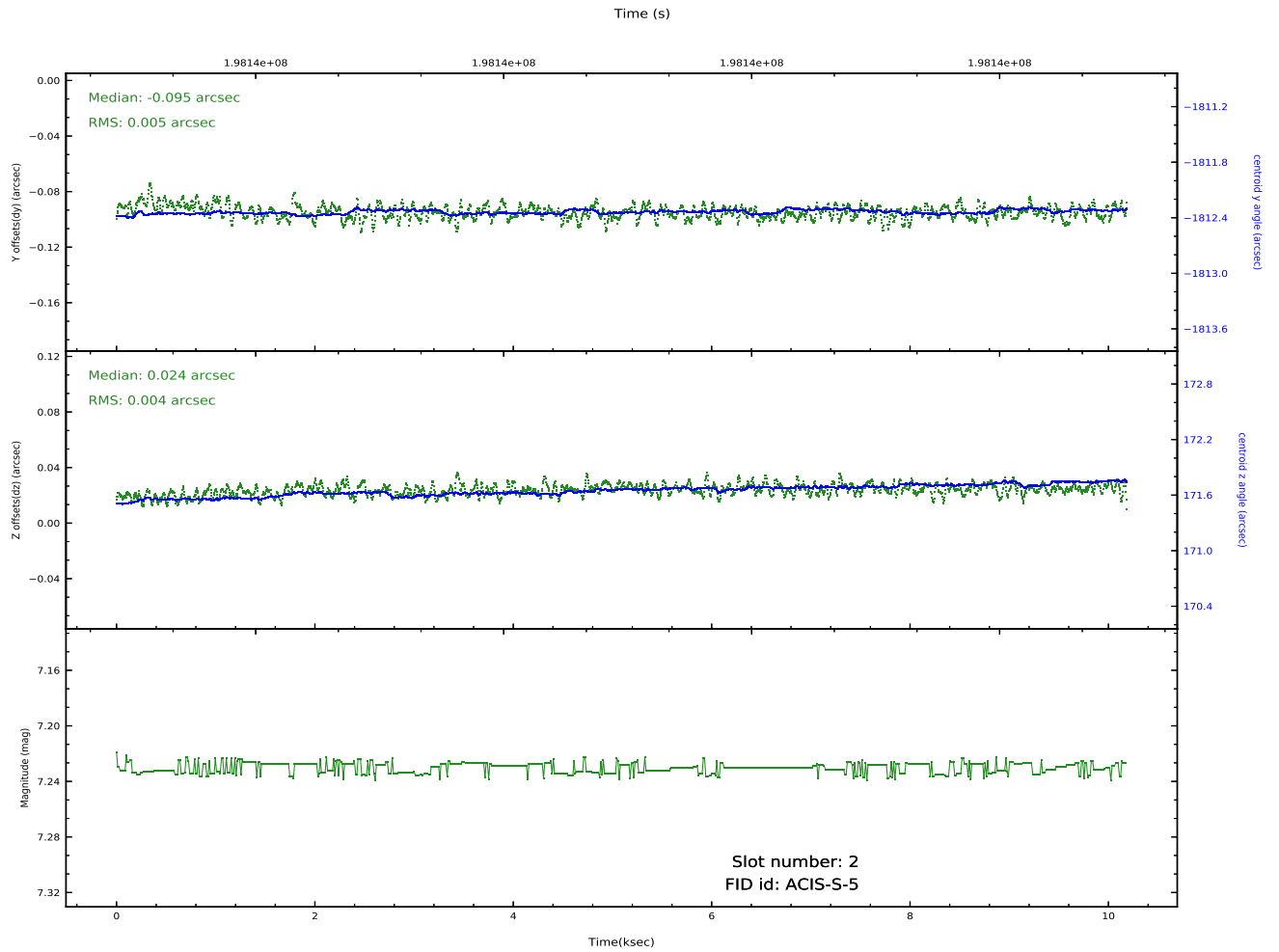
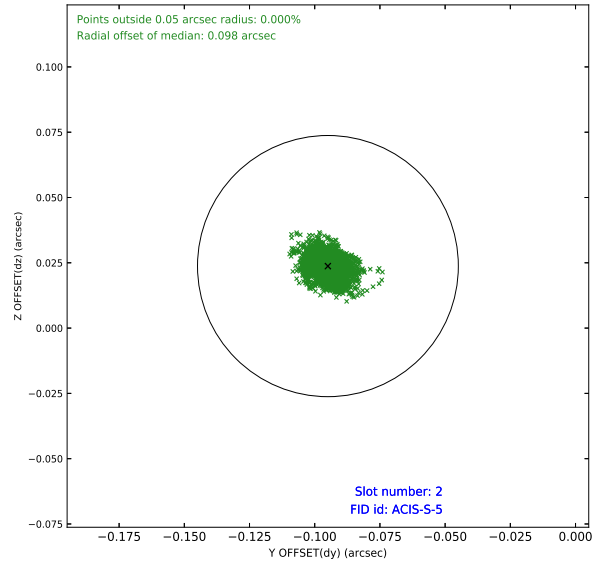
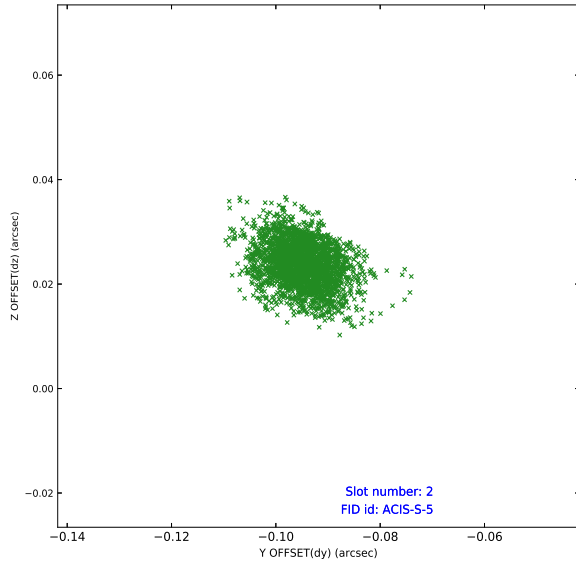
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



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	10.18

A.2 Comments

Window constraint satisfied