

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4535 - L2 Version 4
Chandra X-Ray Center

L2 Processing Date : Oct 6 2020

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1 Front

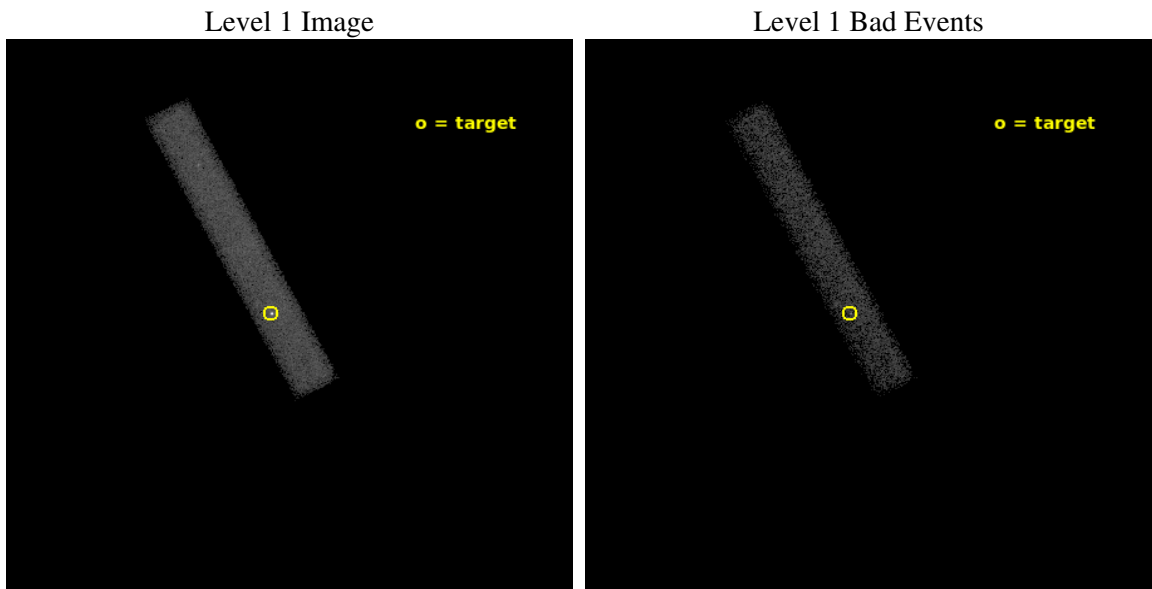
seq_num	300129	Sequence number
obs_id	4535	Observation id
title	Understanding the nature of supersoft X-ray sources	Proposal title
observer	Dr. Jochen Greiner	Principal investigator
object	1E 0035.4-7230	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	9.3325	Observer's specified target RA [deg]
dec_targ	-72.236944	Observer's specified target Dec [deg]
ra_nom	9.3067697542278	Nominal RA [deg]
dec_nom	-72.241798989326	Nominal Dec [deg]
roll_nom	242.44170293801	Nominal Roll [deg]
revision	4	Processing version of data
ontime	40135.600598037	Sum of GTIs [s]
livetime	36400.871211715	Livetime [s]
ontime7	40135.600598037	Sum of GTIs [s]
l2events	30606	Number of level 2 events



2 OBI

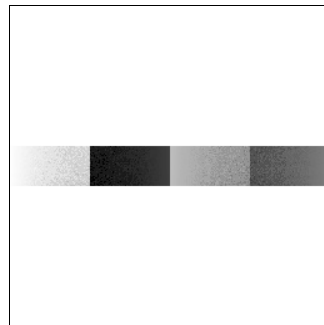
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	40135.600598037	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	40135.600598037	Sum of GTIs [s]
date	2020-10-06T09:59:51	Date and time of file creation	l1events	62077	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

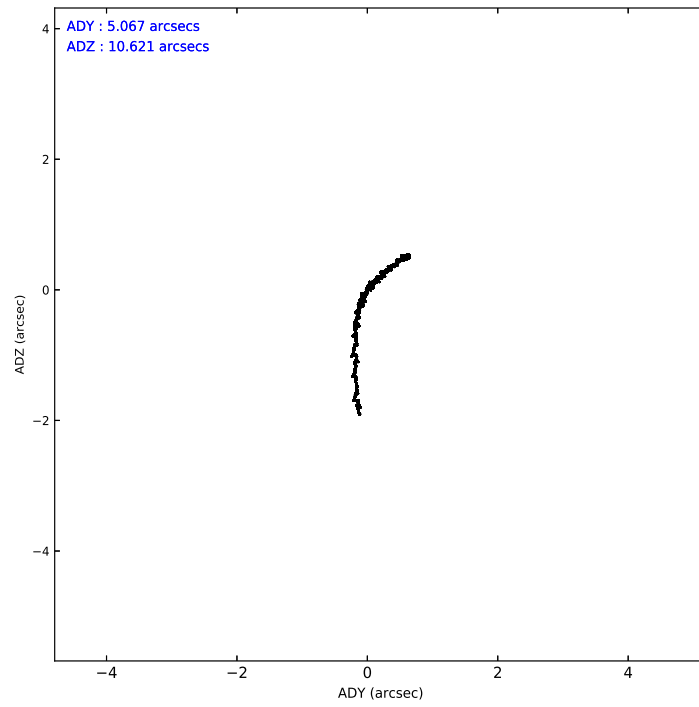
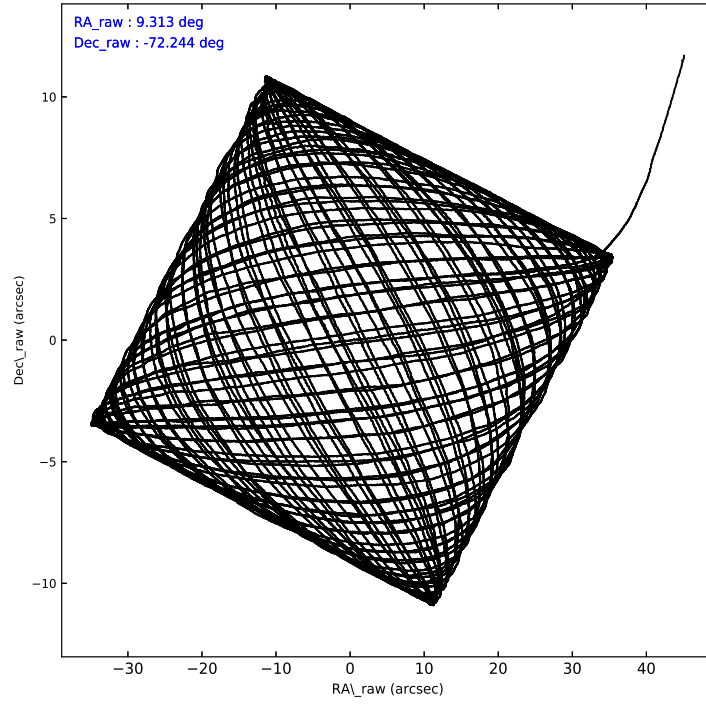
	ccd 7
level 1 events	62077
rejected events	30529
rejected %	49%

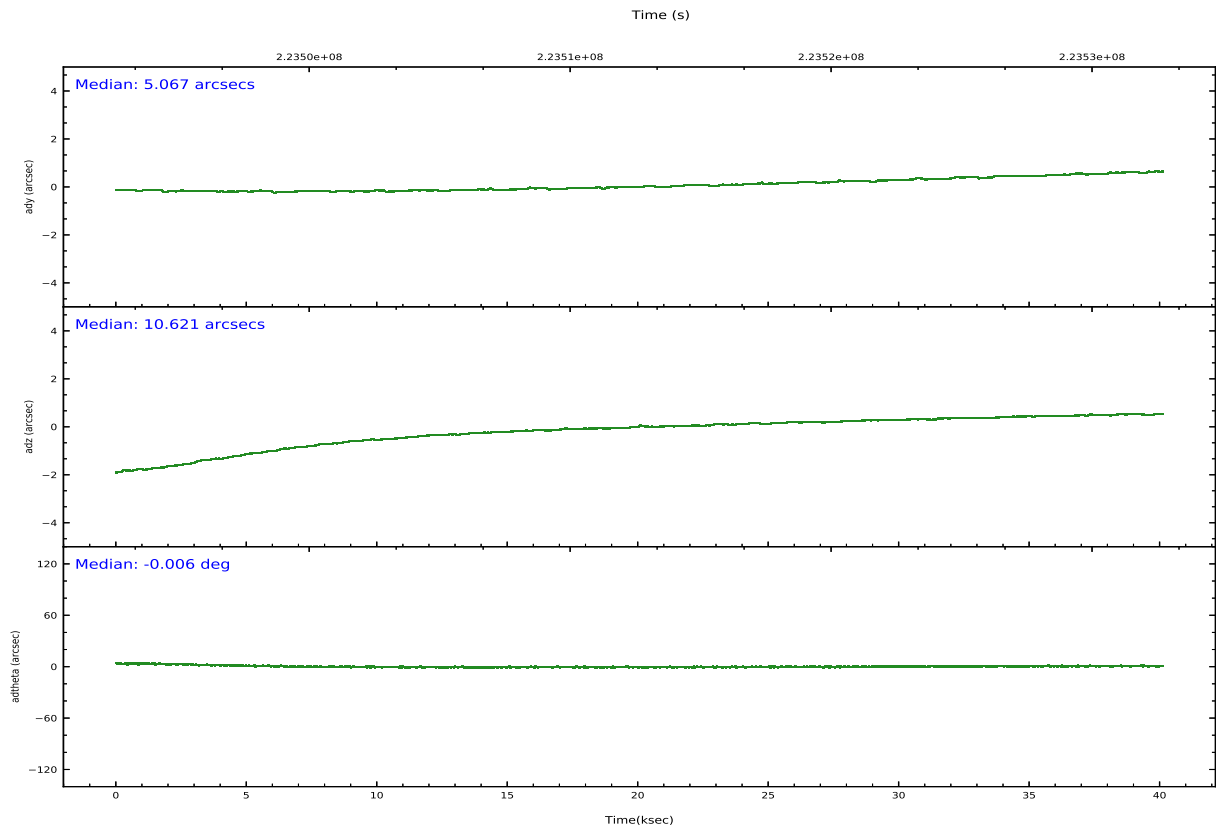
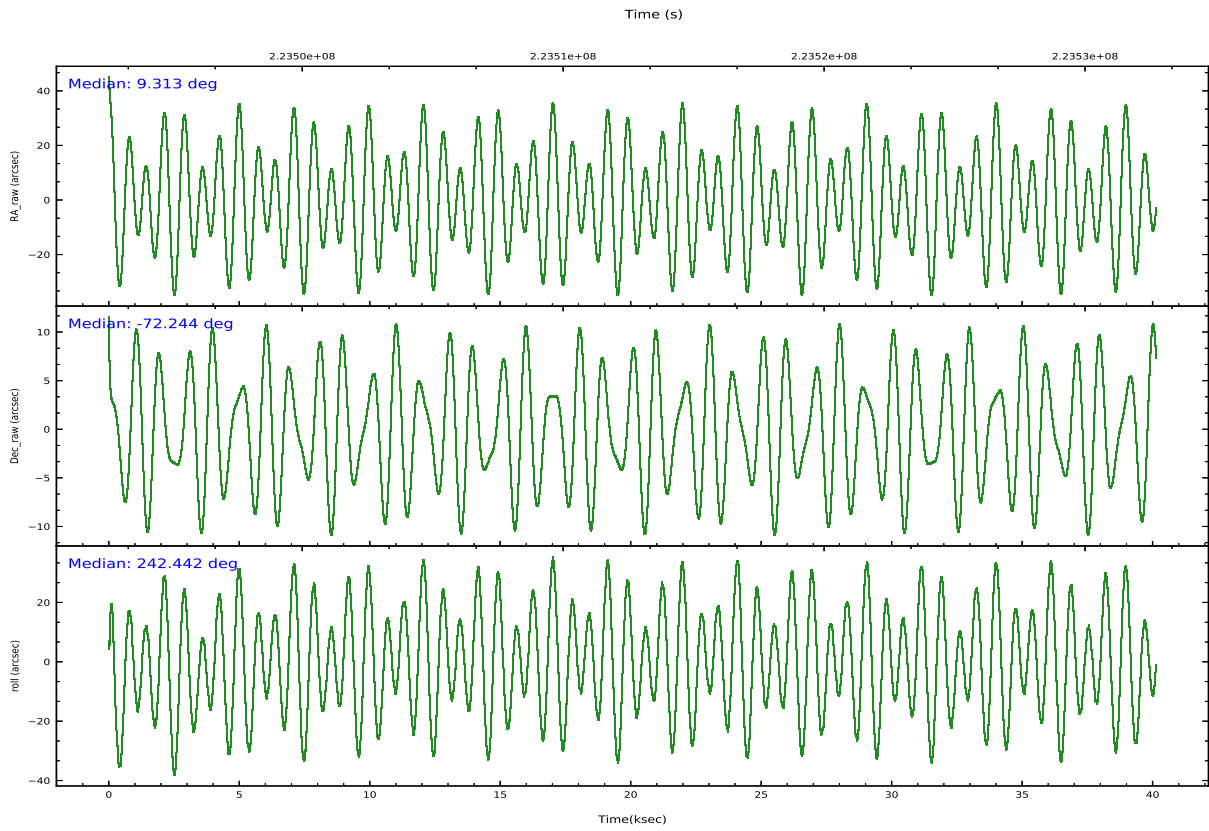
	ccd 7
grade 0 events	7933
	12%
grade 1 events	114
	0%
grade 2 events	5701
	9%
grade 3 events	3616
	5%
grade 4 events	3533
	5%
grade 5 events	5180
	8%
grade 6 events	11566
	18%
grade 7 events	24434
	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	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	9.308129	9.306769754227799	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-72.217419	-72.241798989326	Subarray start row	449	449
[deg] Pointing Roll	242.277212	242.44170293801	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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	223492724.184000	223491441.2153			
Observation start date	2005-01-30T17:17:40	2005-01-30T16:57:21			
[s] Observation end time (MET)	223532724.184000	223533644.05471			
Observation end date	2005-01-31T04:24:20	2005-01-31T04:40:44			
Read mode	TIMED	TIMED			

2.3 Aspect





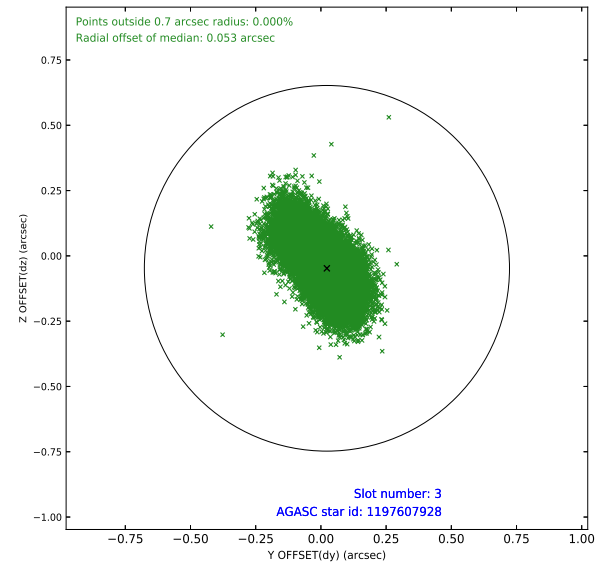
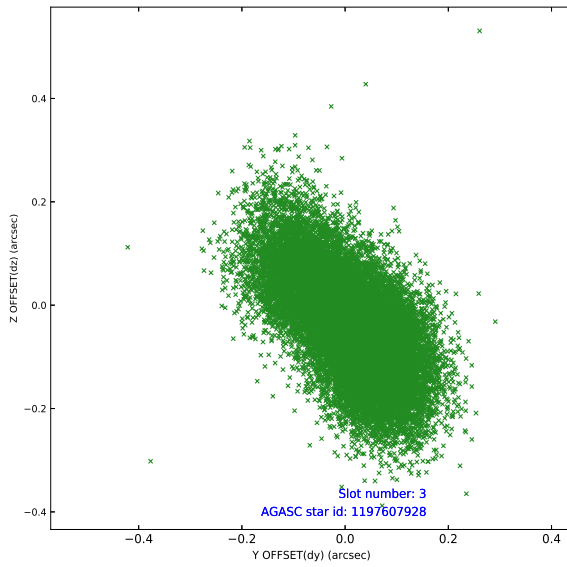
Slot Statistics

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	9790	1.000	-0.095	-0.061	0.013	0.026	0.000000	0.000000	-757.90	-1731
1	FID		ACIS-S-4	7.21	9790	1.000	0.173	0.062	0.016	0.023	0.000000	0.000000	2155.59	176
2	FID		ACIS-S-5	7.23	9788	1.000	-0.110	0.007	0.017	0.027	0.000000	0.000000	-1810.79	170
3	GUIDE	used	1197607928	9.61	19548	1.000	0.023	-0.048	0.130	0.232	7.837743	-72.165759	607.44	-1511
4	GUIDE	used	1197736592	9.52	19561	1.000	-0.004	0.123	0.103	0.164	9.930334	-71.623113	-2218.66	-368
5	GUIDE	used	1197739496	9.79	19568	1.000	0.085	-0.059	0.134	0.217	8.930155	-71.541204	-1952.99	-1513
6	GUIDE	used	1198135560	9.45	19564	1.000	0.033	0.004	0.097	0.158	8.700395	-72.843436	2298.36	478
7	GUIDE	used	1198150512	8.39	19574	1.000	-0.126	-0.024	0.051	0.085	9.044301	-72.846944	2137.42	806

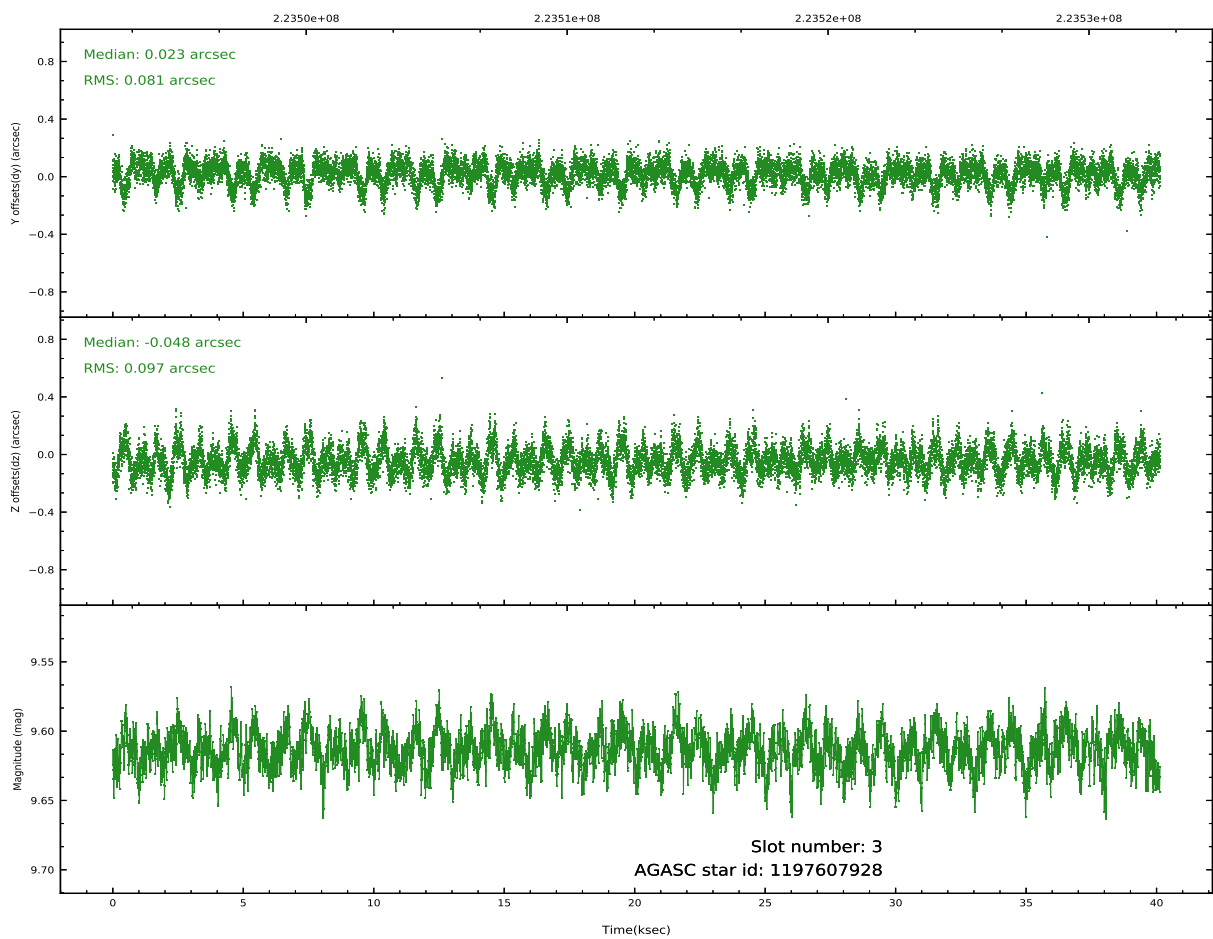
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2.4 Star Slots

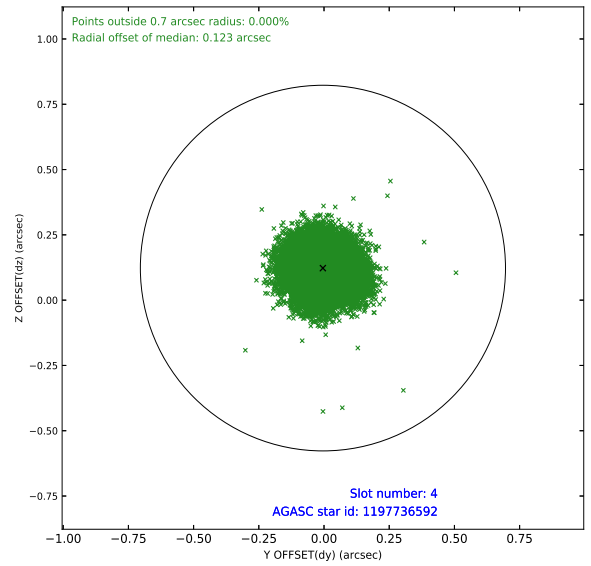
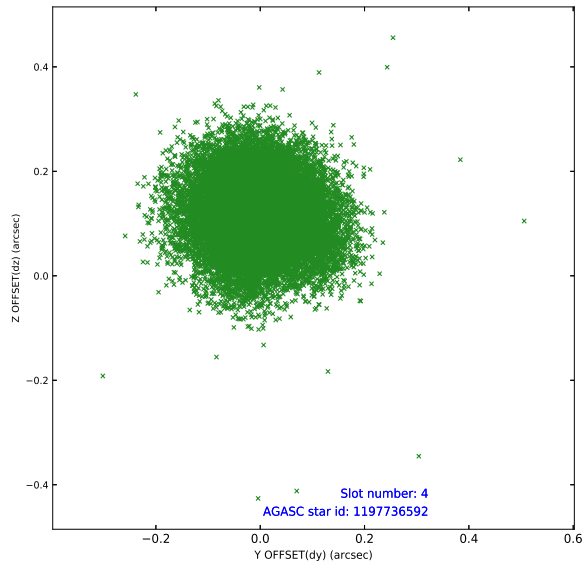
2.4.1 Slot 3



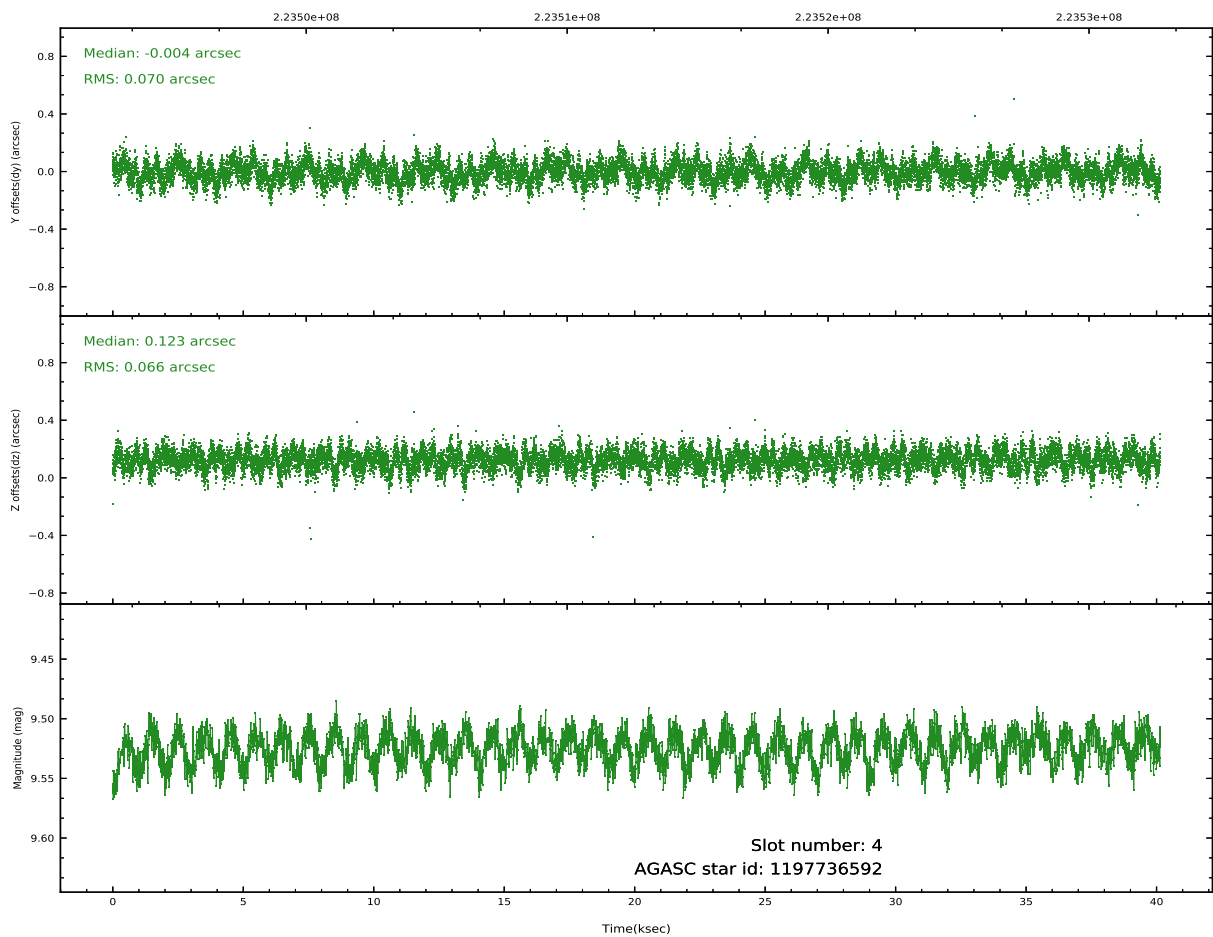
Time (s)



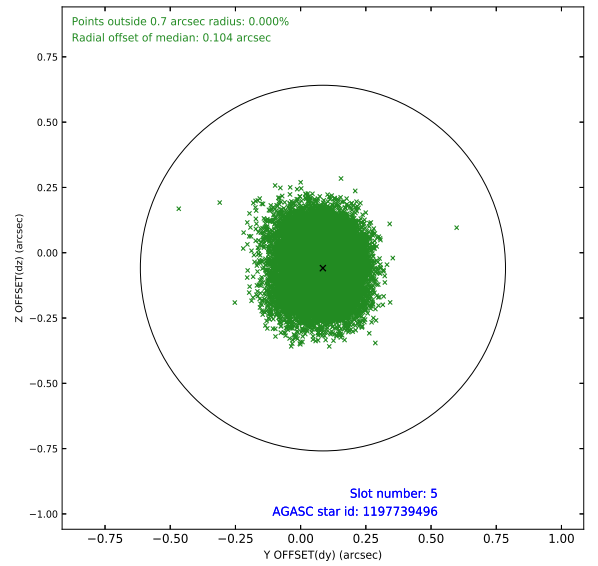
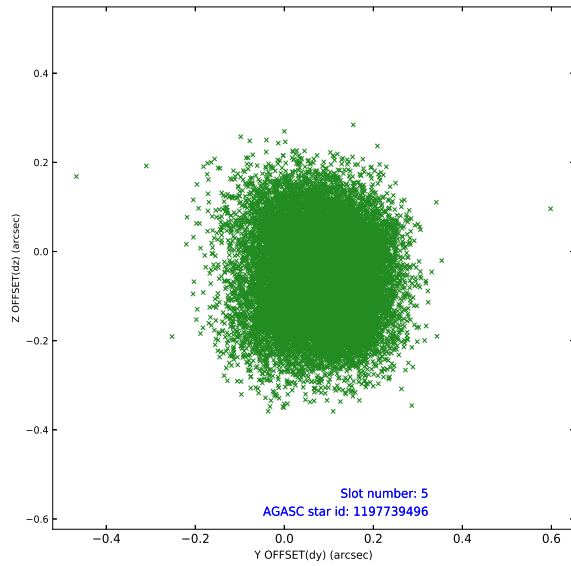
2.4.2 Slot 4



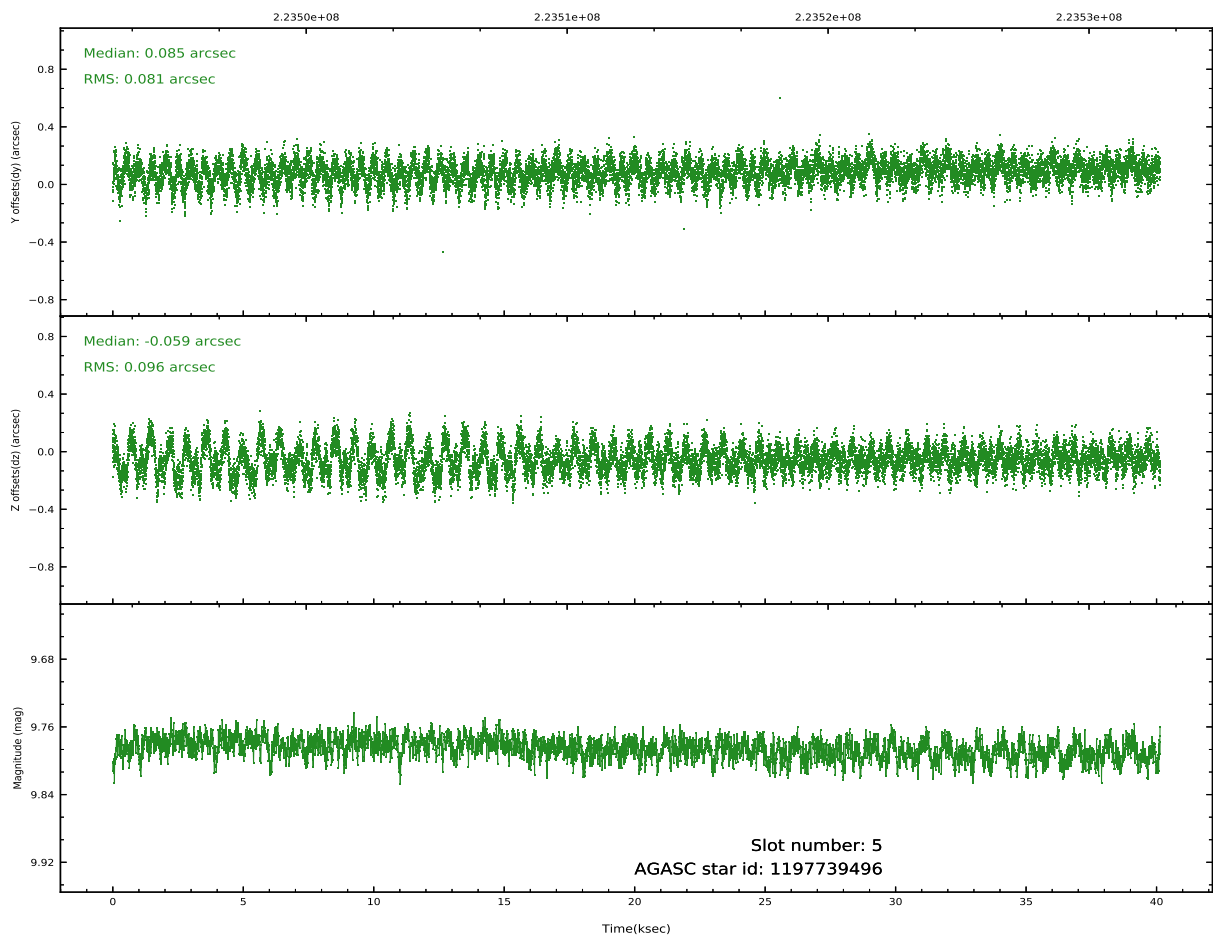
Time (s)



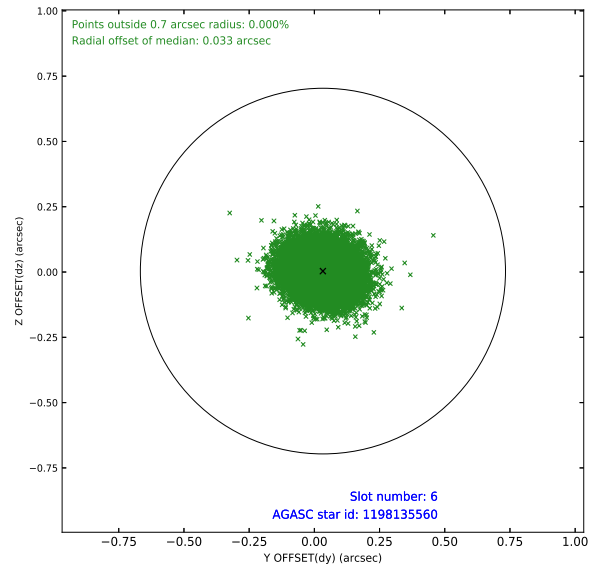
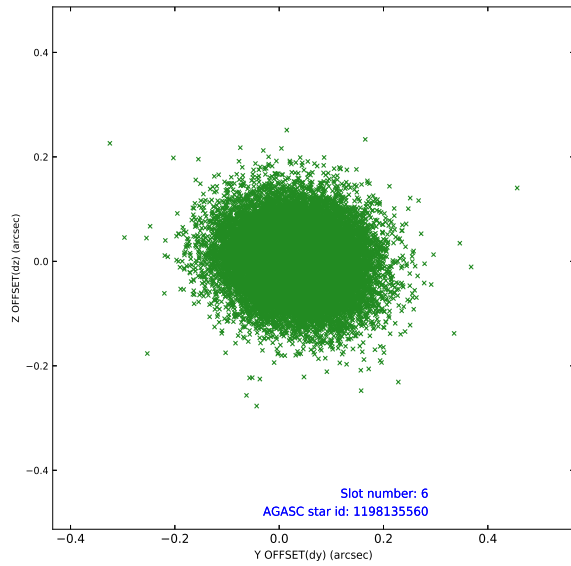
2.4.3 Slot 5



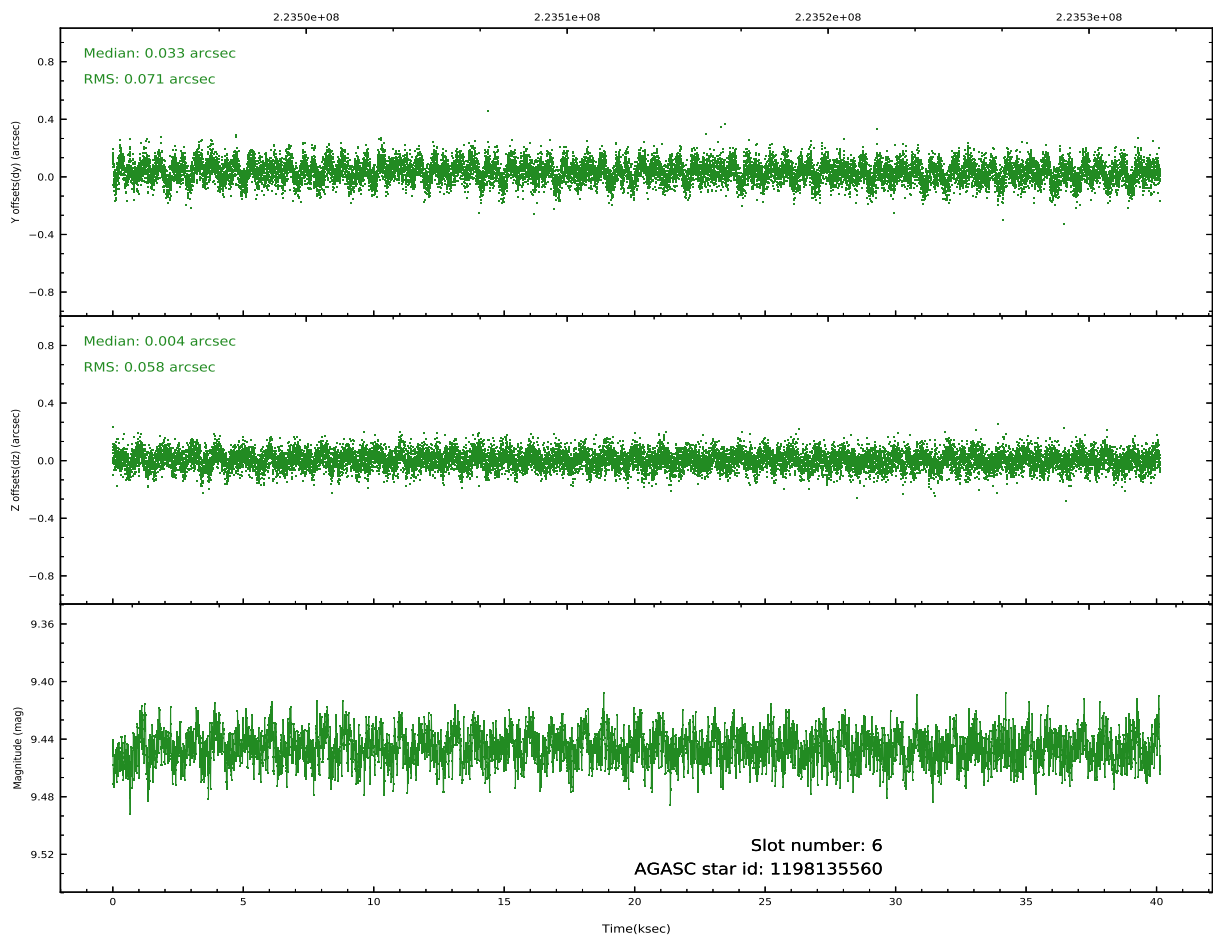
Time (s)



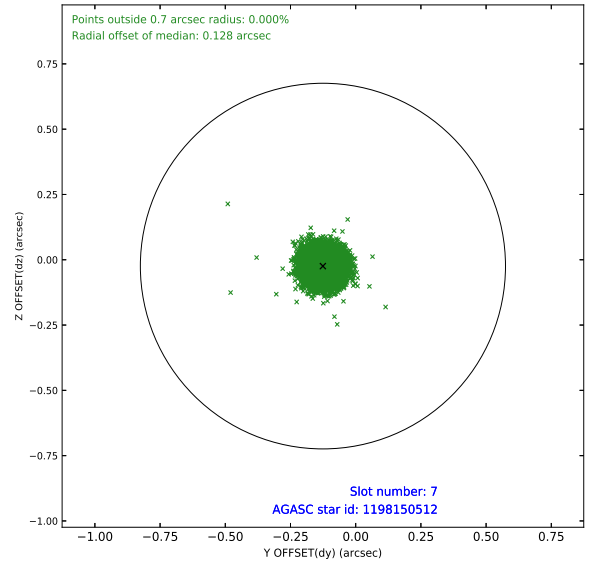
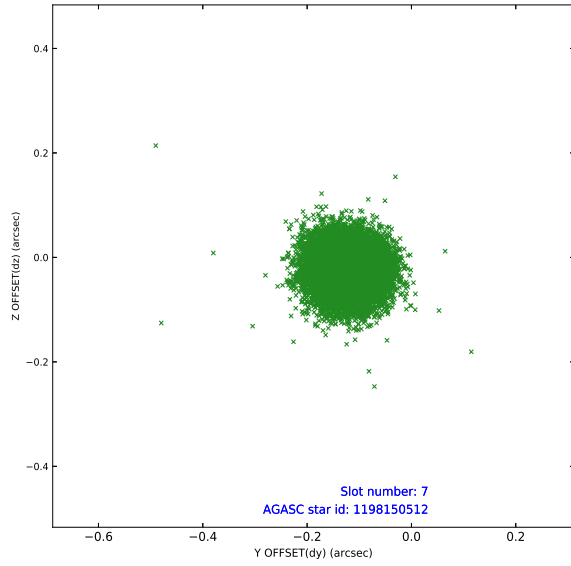
2.4.4 Slot 6



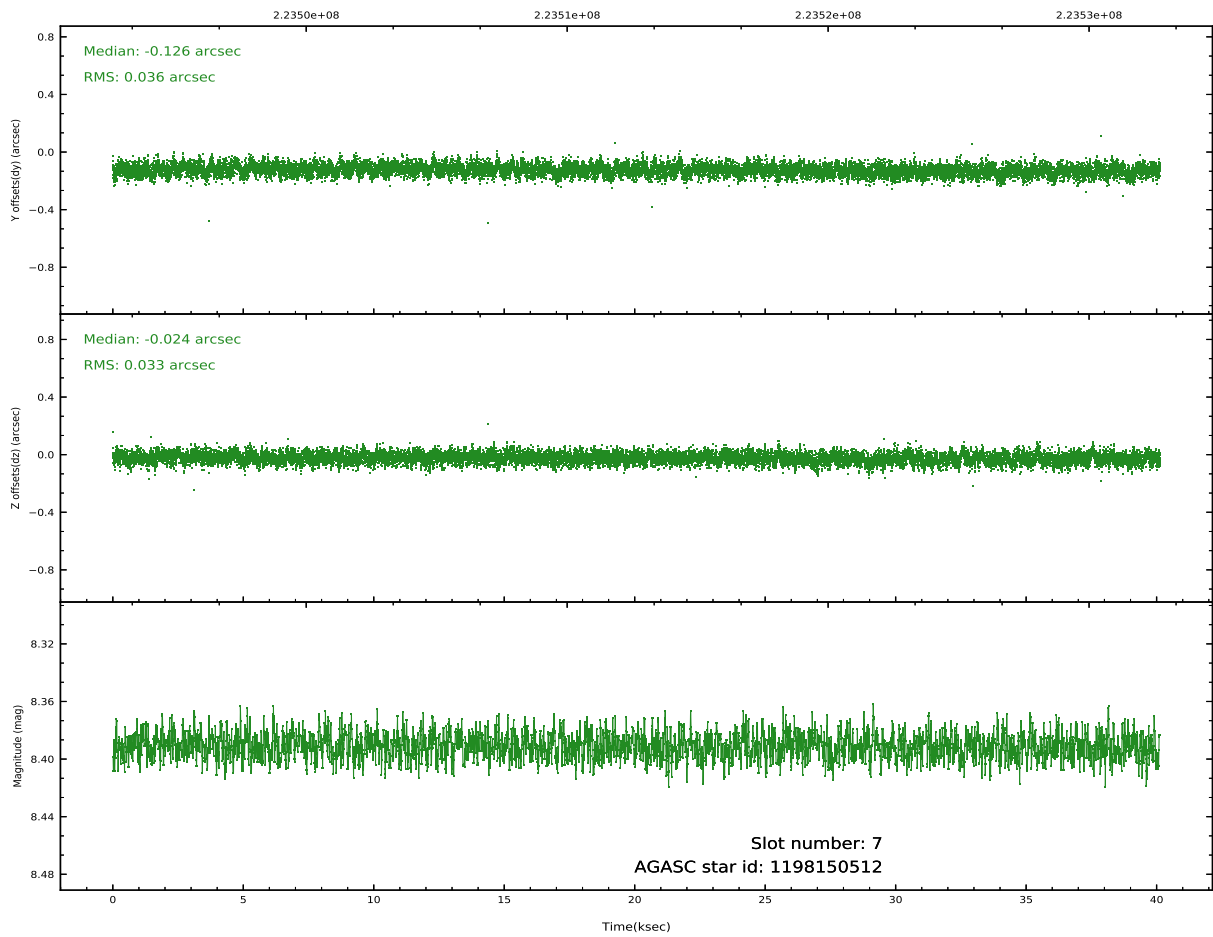
Time (s)



2.4.5 Slot 7

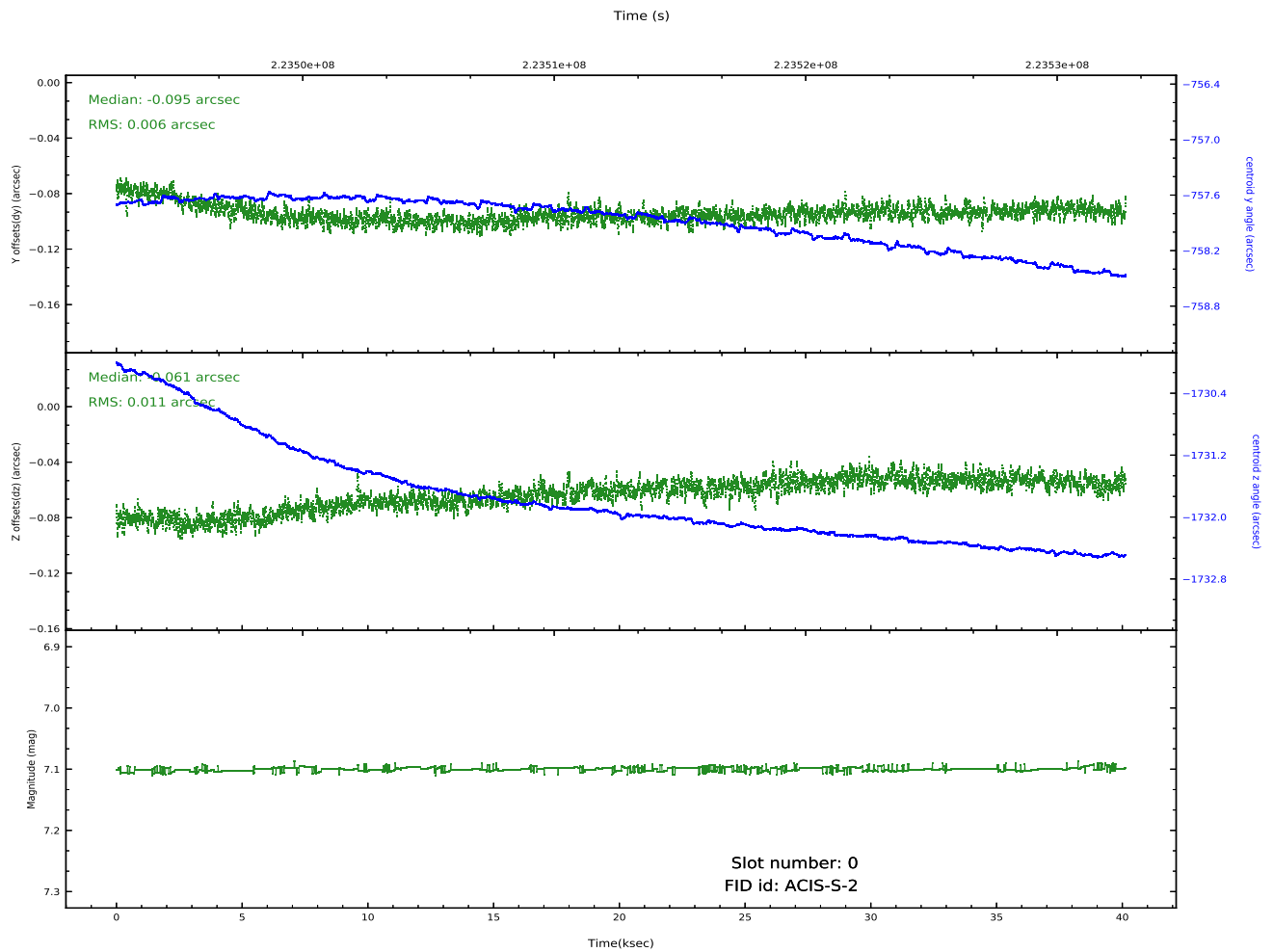
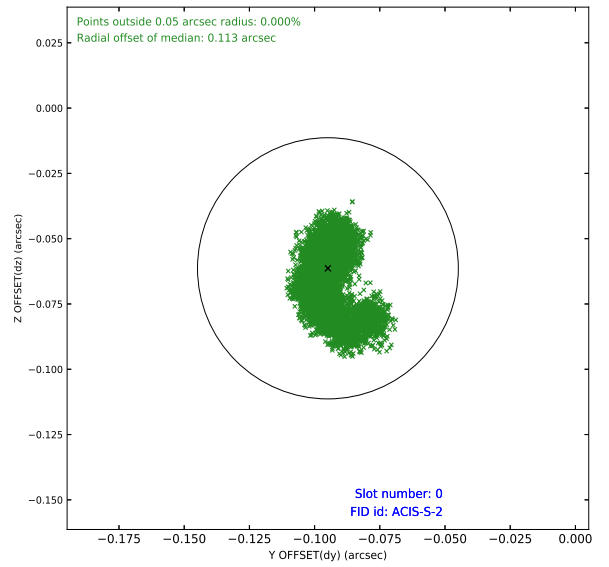
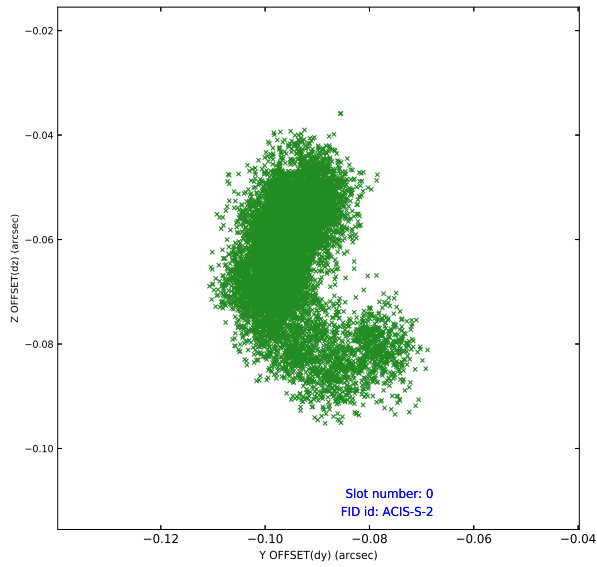


Time (s)

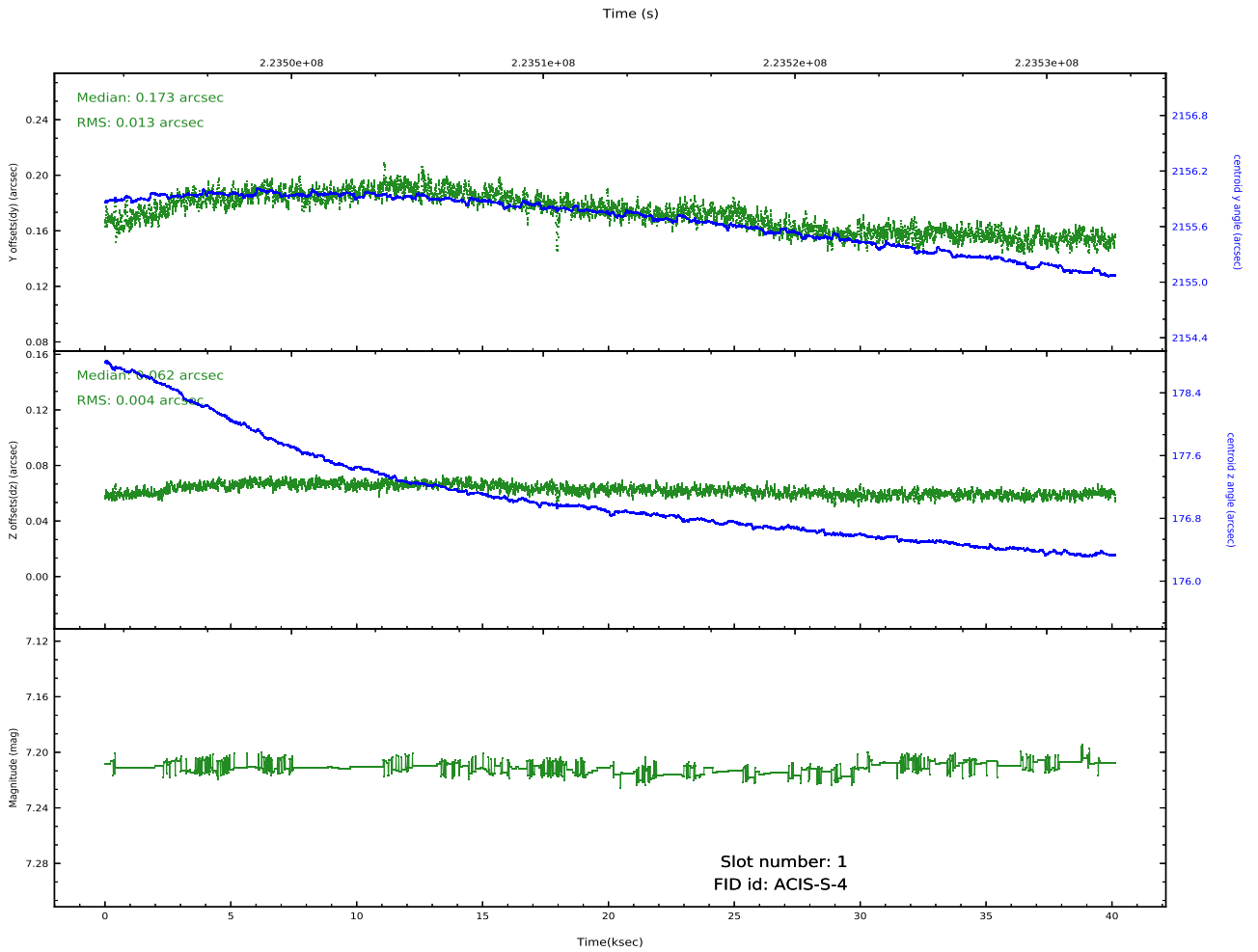
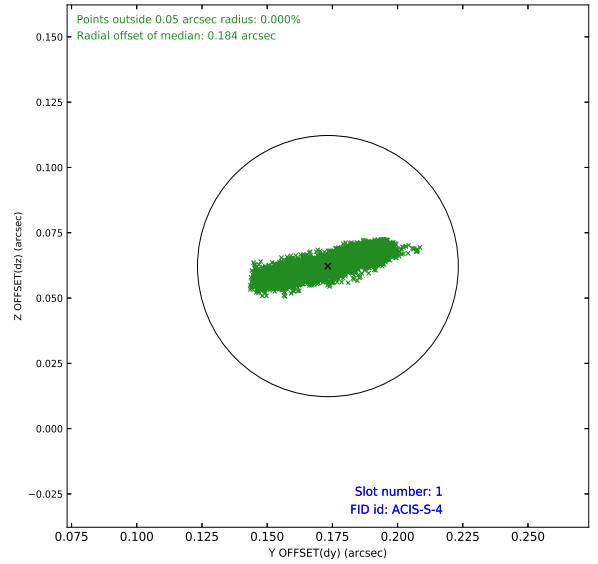
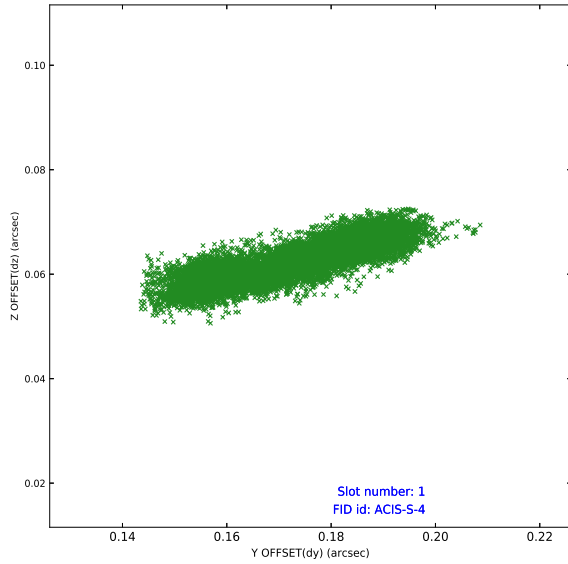


2.5 FID Slots

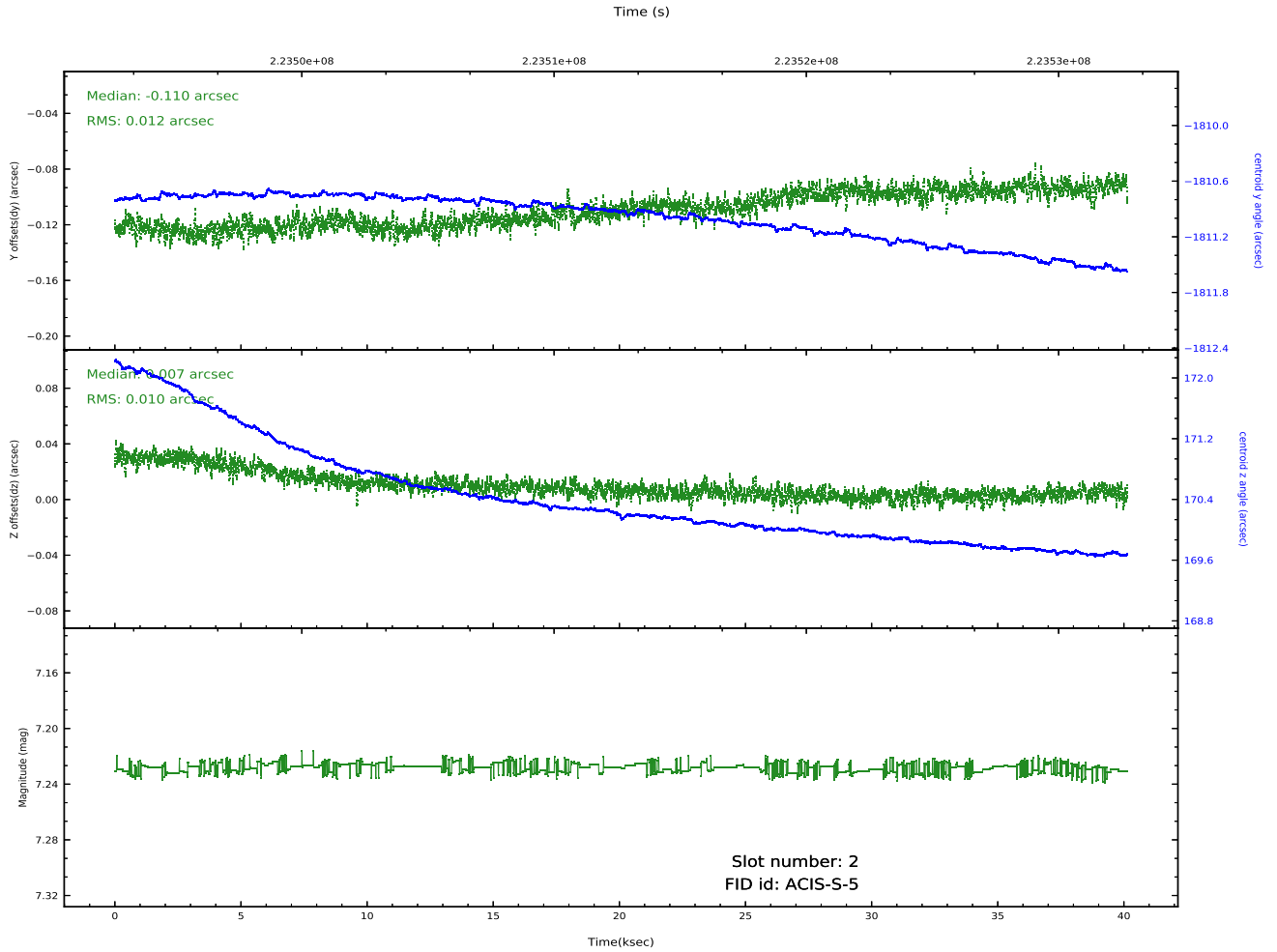
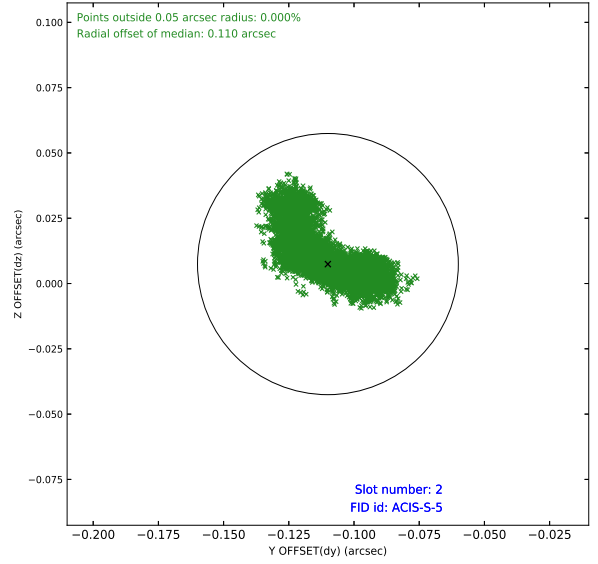
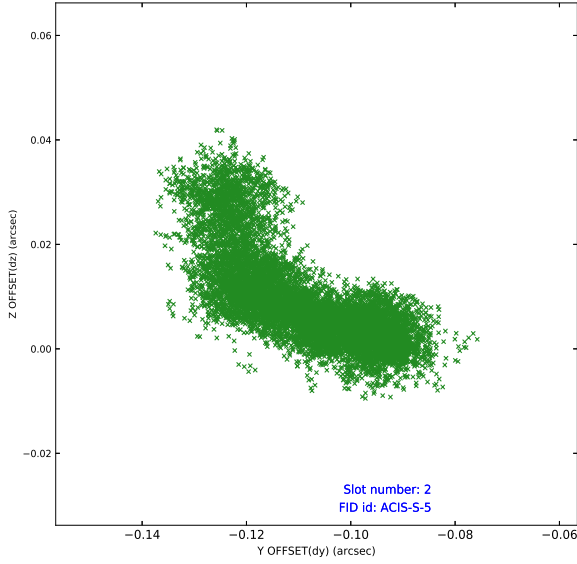
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1356

A.2 Comments