

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4782 - L2 Version 4
Chandra X-Ray Center

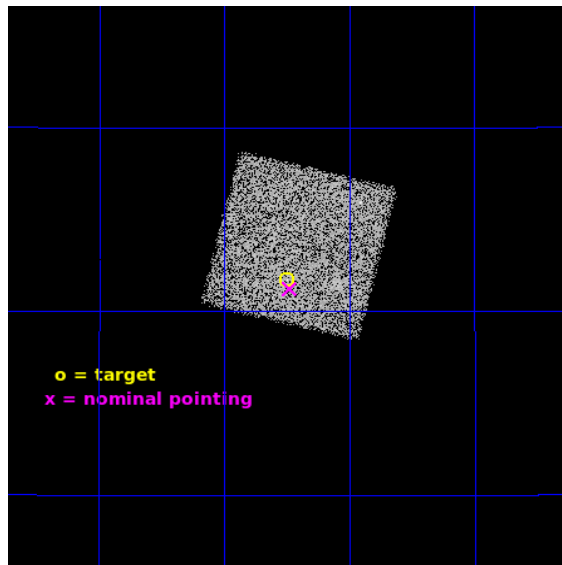
L2 Processing Date : Oct 1 2020

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1 Front

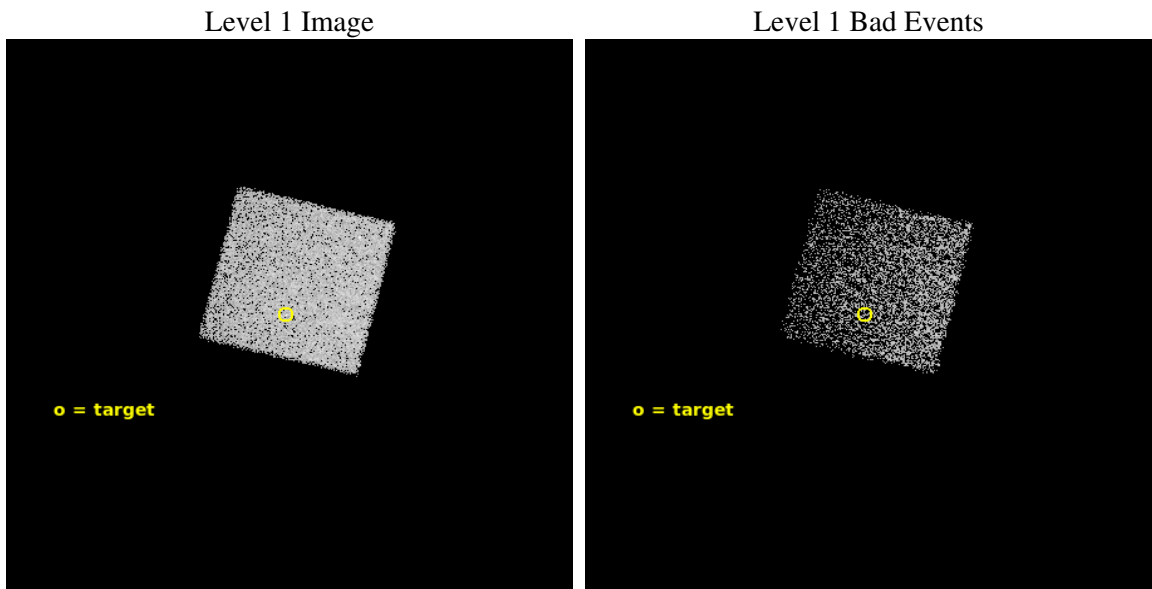
seq_num	700865	Sequence number
obs_id	4782	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1400-1151	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.937917	Observer's specified target RA [deg]
dec_targ	29.362222	Observer's specified target Dec [deg]
ra_nom	210.93440501091	Nominal RA [deg]
dec_nom	29.353833154072	Nominal Dec [deg]
roll_nom	283.87813344477	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4245.0	Sum of GTIs [s]
livetime	4187.7120984926	Livetime [s]
ontime7	4245.0	Sum of GTIs [s]
l2events	20649	Number of level 2 events



2 OBI

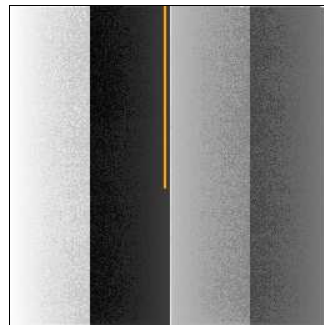
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4063.046000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4245.0	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	4245.0	Sum of GTIs [s]
date	2020-10-01T21:37:44	Date and time of file creation	l1events	46254	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

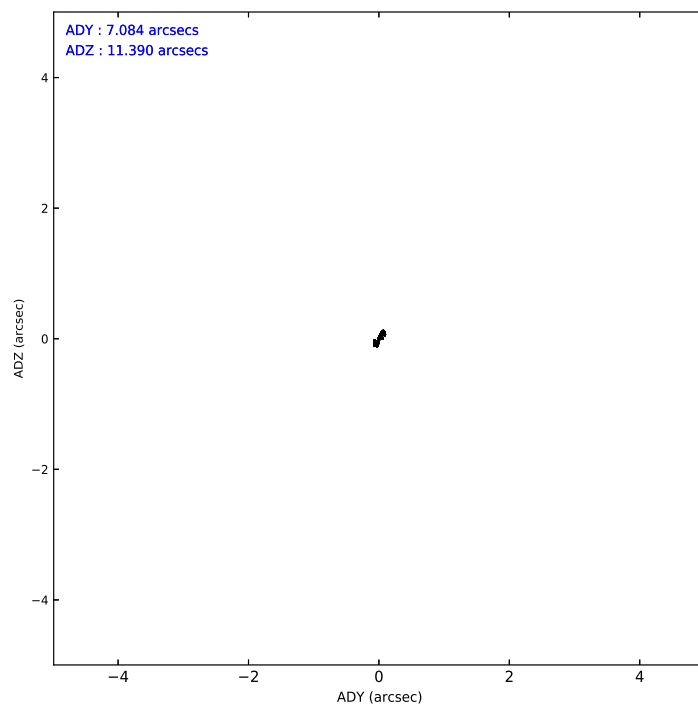
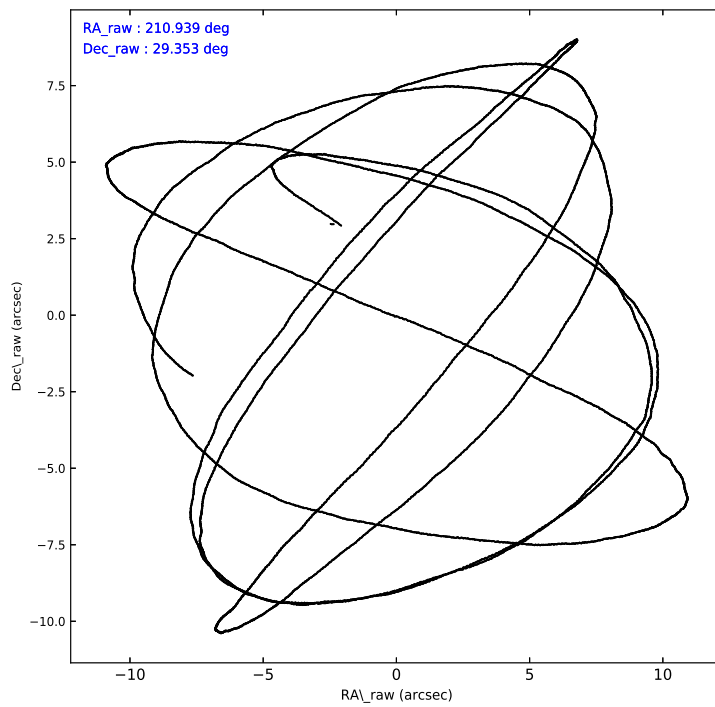
	ccd 7
level 1 events	46254
rejected events	25066
rejected %	54%

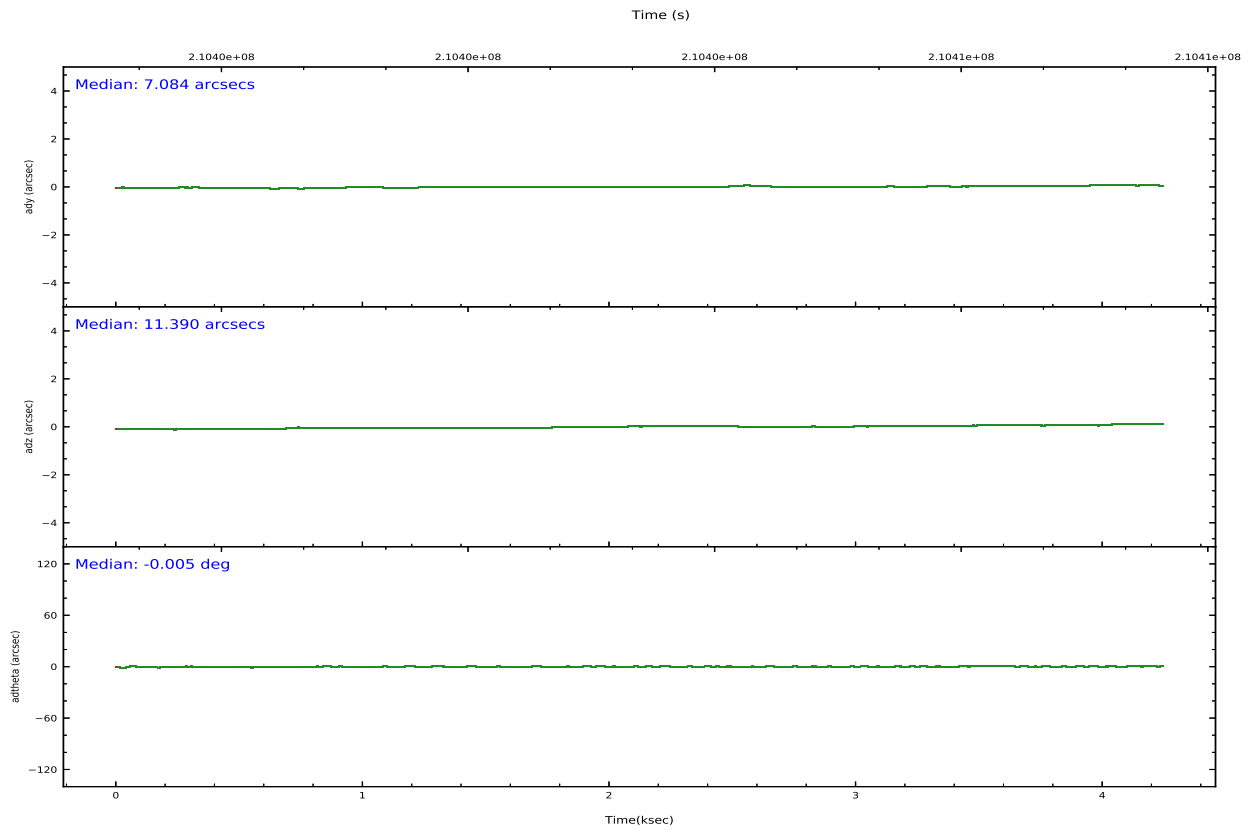
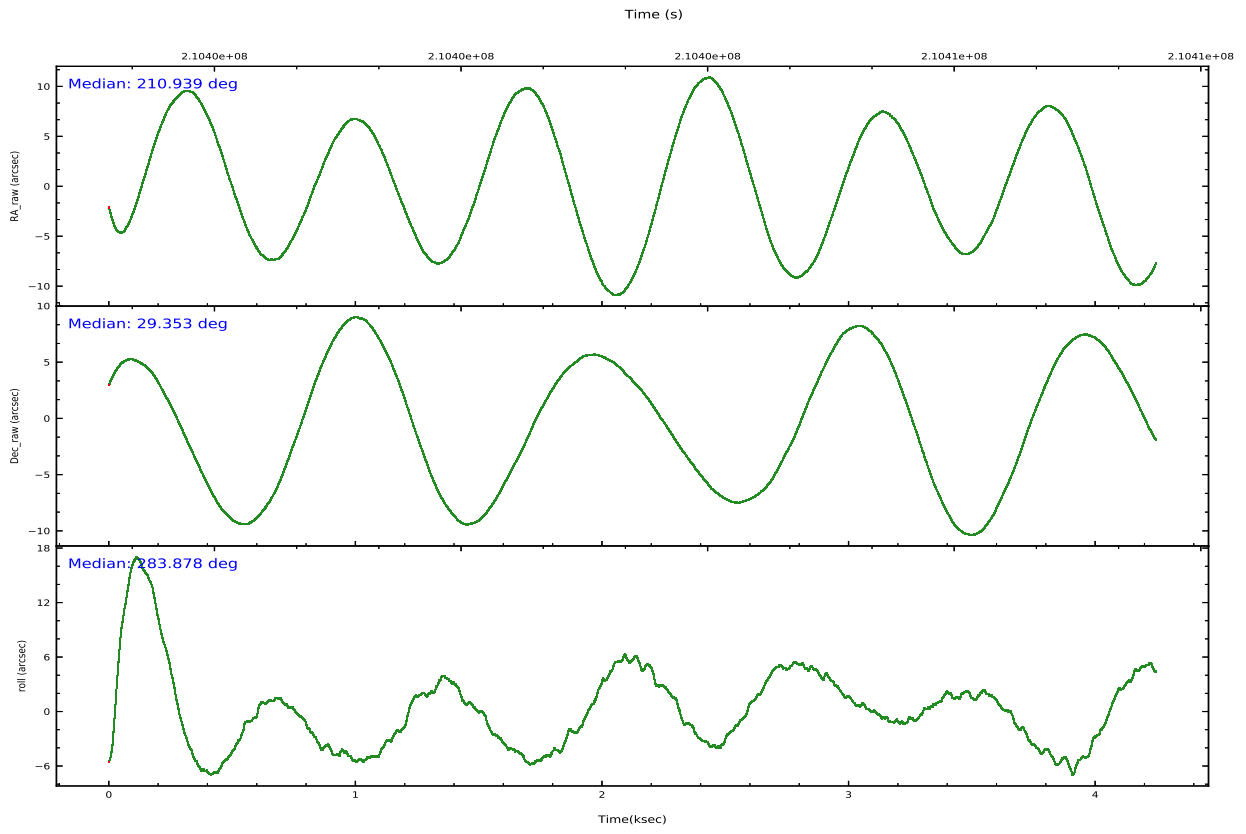
	ccd 7
grade 0 events	2157
	4%
grade 1 events	35
	0%
grade 2 events	4192
	9%
grade 3 events	1879
	4%
grade 4 events	1878
	4%
grade 5 events	4051
	8%
grade 6 events	11545
	24%
grade 7 events	20517
	44%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	210.916681	210.93440501091	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.371943	29.353833154072	Alternating exposures requested	N	N
[deg] Pointing Roll	283.724895	283.87813344477	[s] Primary exposure time	0.000000	3
[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)	210402757.184000	210401984.60286			
Observation start date	2004-09-01T05:11:33	2004-09-01T04:59:44			
[s] Observation end time (MET)	210406820.184000	210407039.90308			
Observation end date	2004-09-01T06:19:16	2004-09-01T06:23:59			
Read mode	TIMED	TIMED			

2.3 Aspect



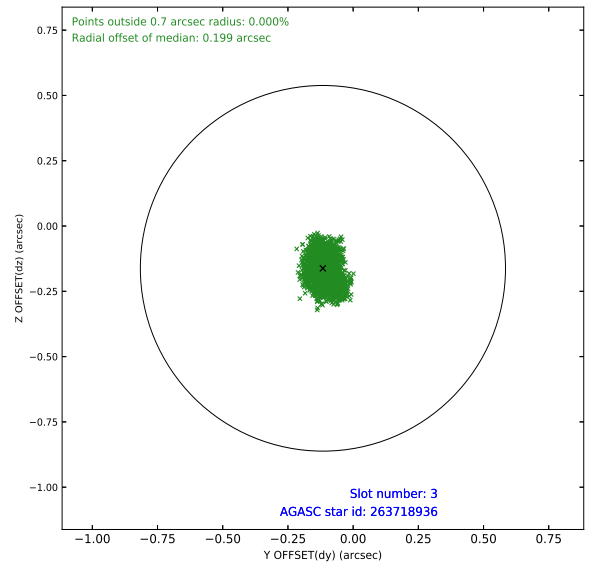
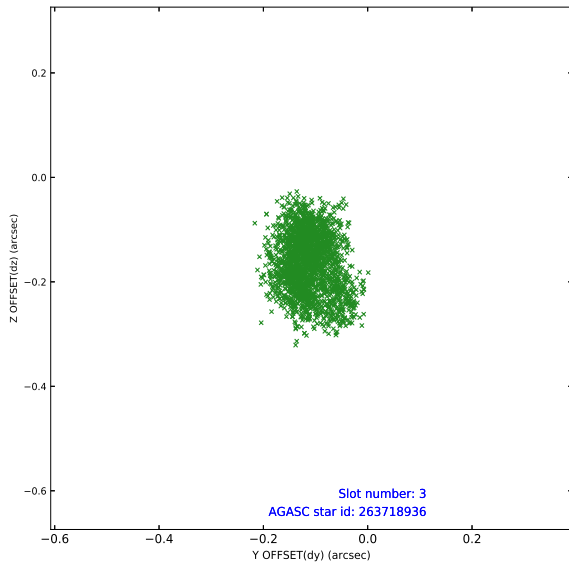


Slot Statistics

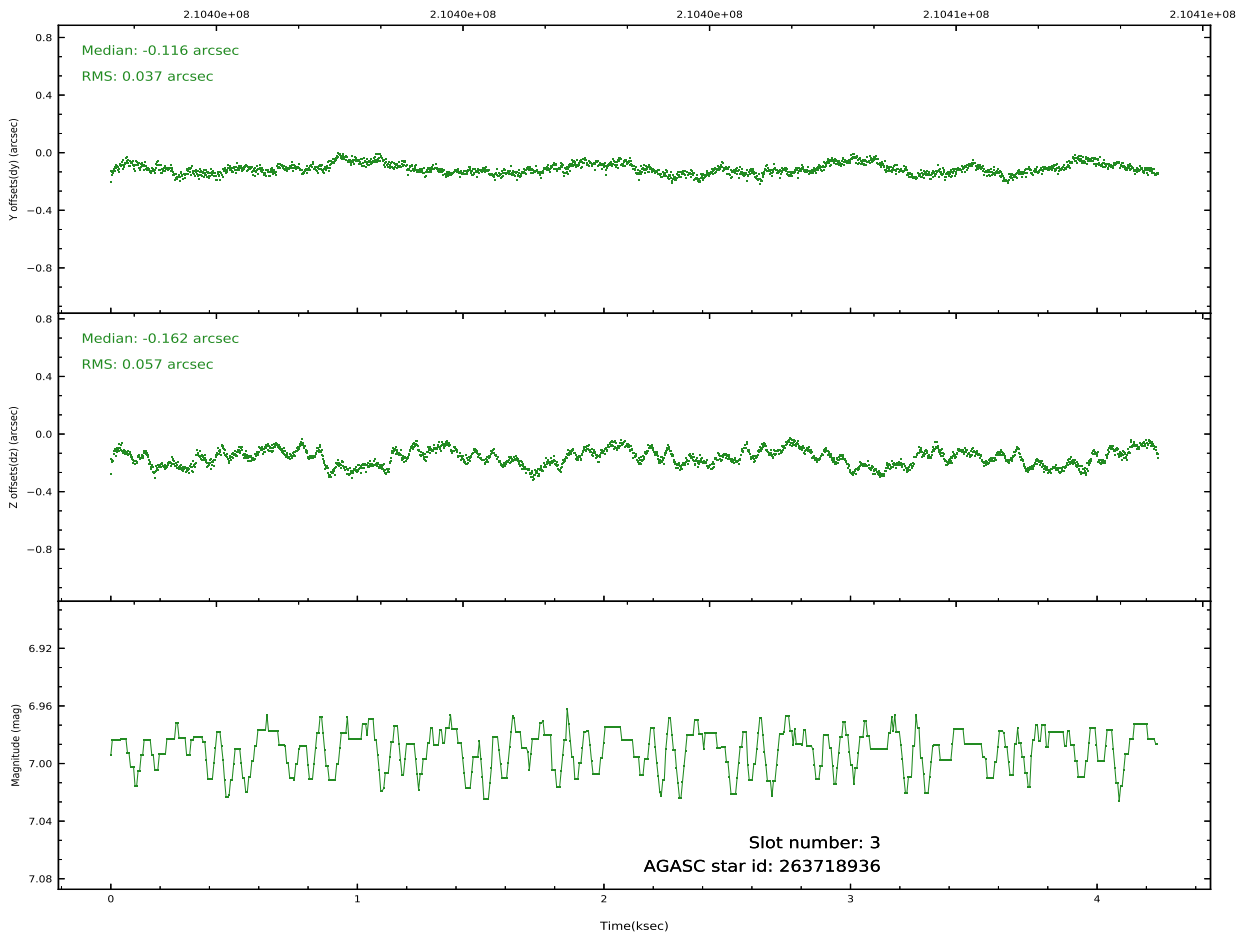
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	1037	1.000	-0.066	-0.047	0.007	0.010	0.000000	0.000000	-759.86	-1732
1	FID		ACIS-S-4	7.20	1037	1.000	0.126	0.045	0.006	0.011	0.000000	0.000000	2152.90	174
2	FID		ACIS-S-5	7.23	1037	1.000	-0.091	0.012	0.006	0.011	0.000000	0.000000	-1810.90	169
3	GUIDE	used	263718936	6.99	2073	1.000	-0.116	-0.162	0.074	0.117	211.115092	29.142517	950.30	410
4	GUIDE	used	263722640	9.25	2070	1.000	0.064	-0.015	0.108	0.174	211.224050	29.039332	1392.47	656
5	GUIDE	used	263724096	10.28	2070	1.000	0.025	0.043	0.210	0.323	211.380250	29.560093	-315.37	1571
6	GUIDE	used	263724952	10.12	2073	1.000	-0.032	-0.013	0.142	0.227	211.284075	29.404999	156.18	1148
7	GUIDE	used	263725680	9.67	2069	1.000	0.060	0.137	0.125	0.196	211.602127	28.885667	2207.81	1685

2.4 Star Slots

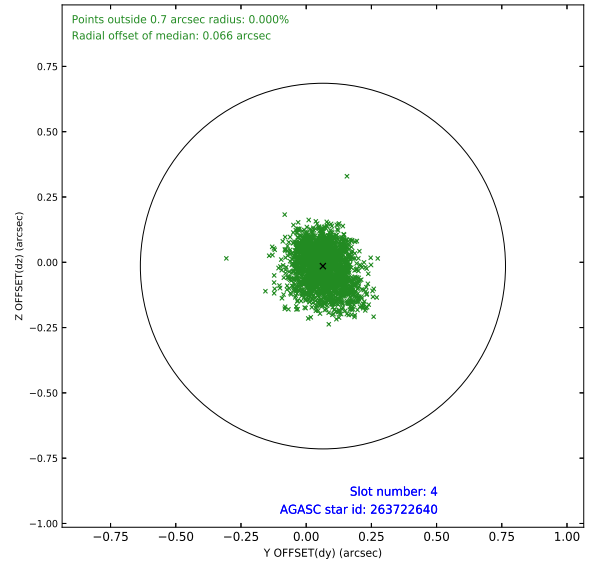
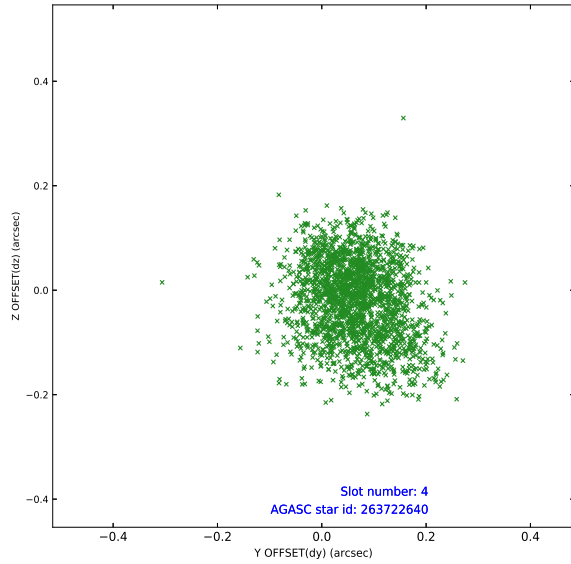
2.4.1 Slot 3



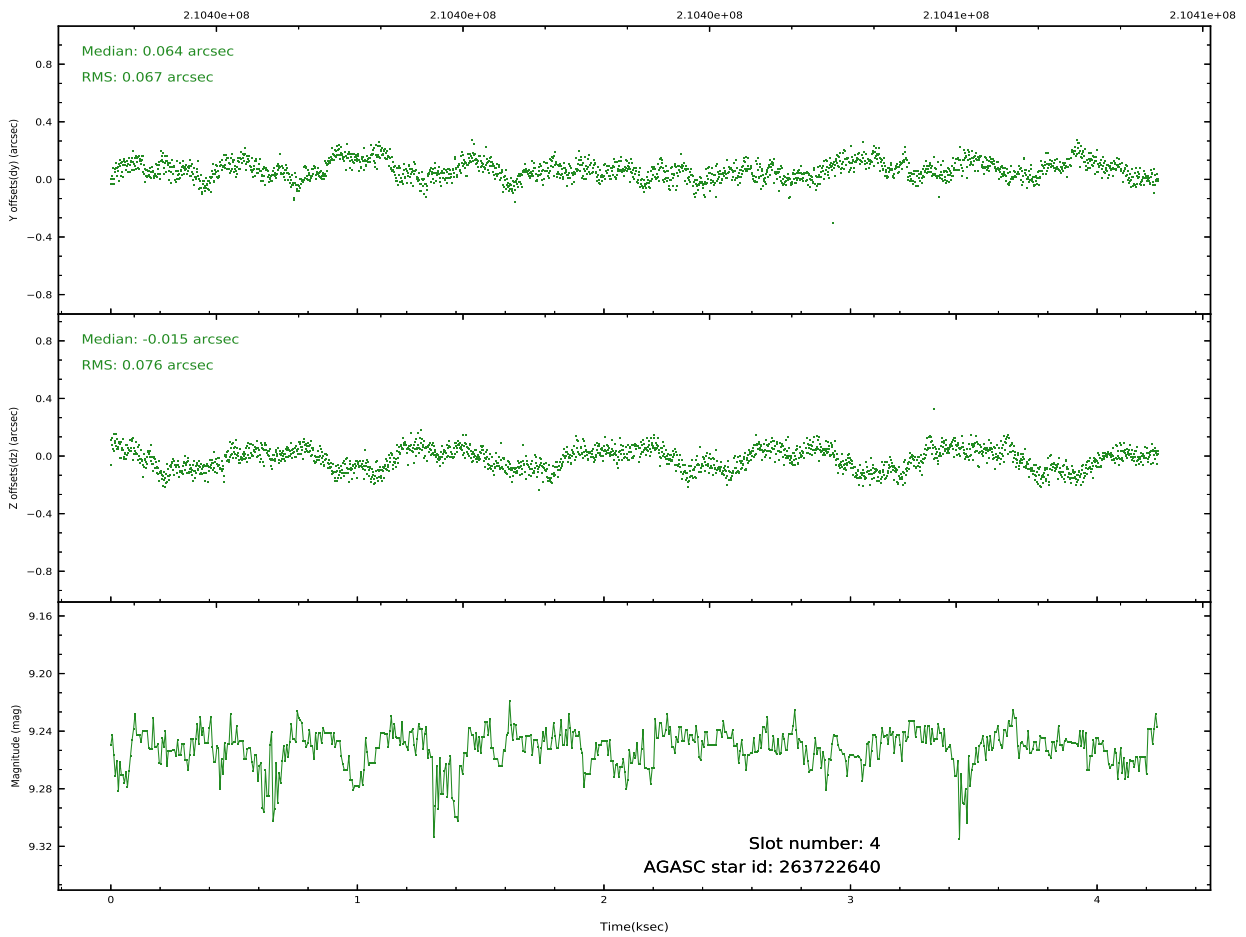
Time (s)



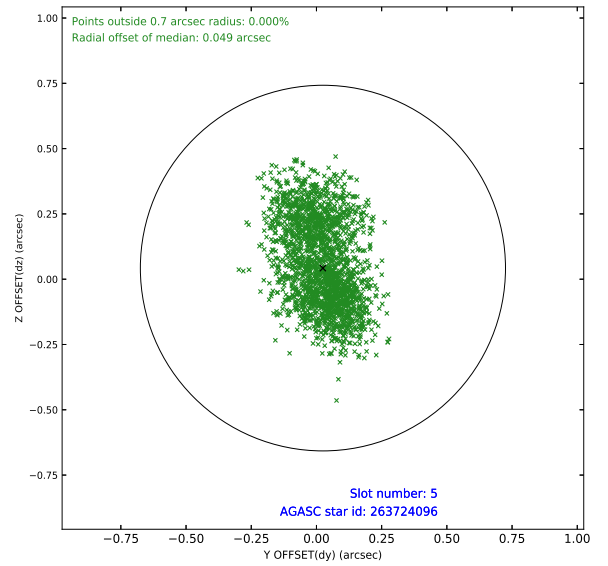
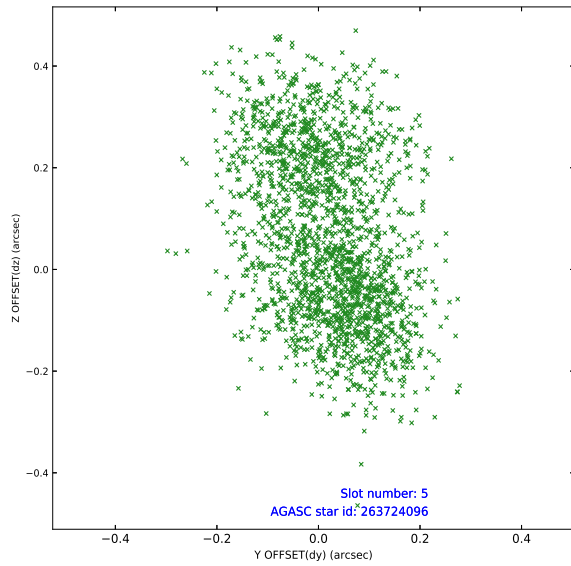
2.4.2 Slot 4



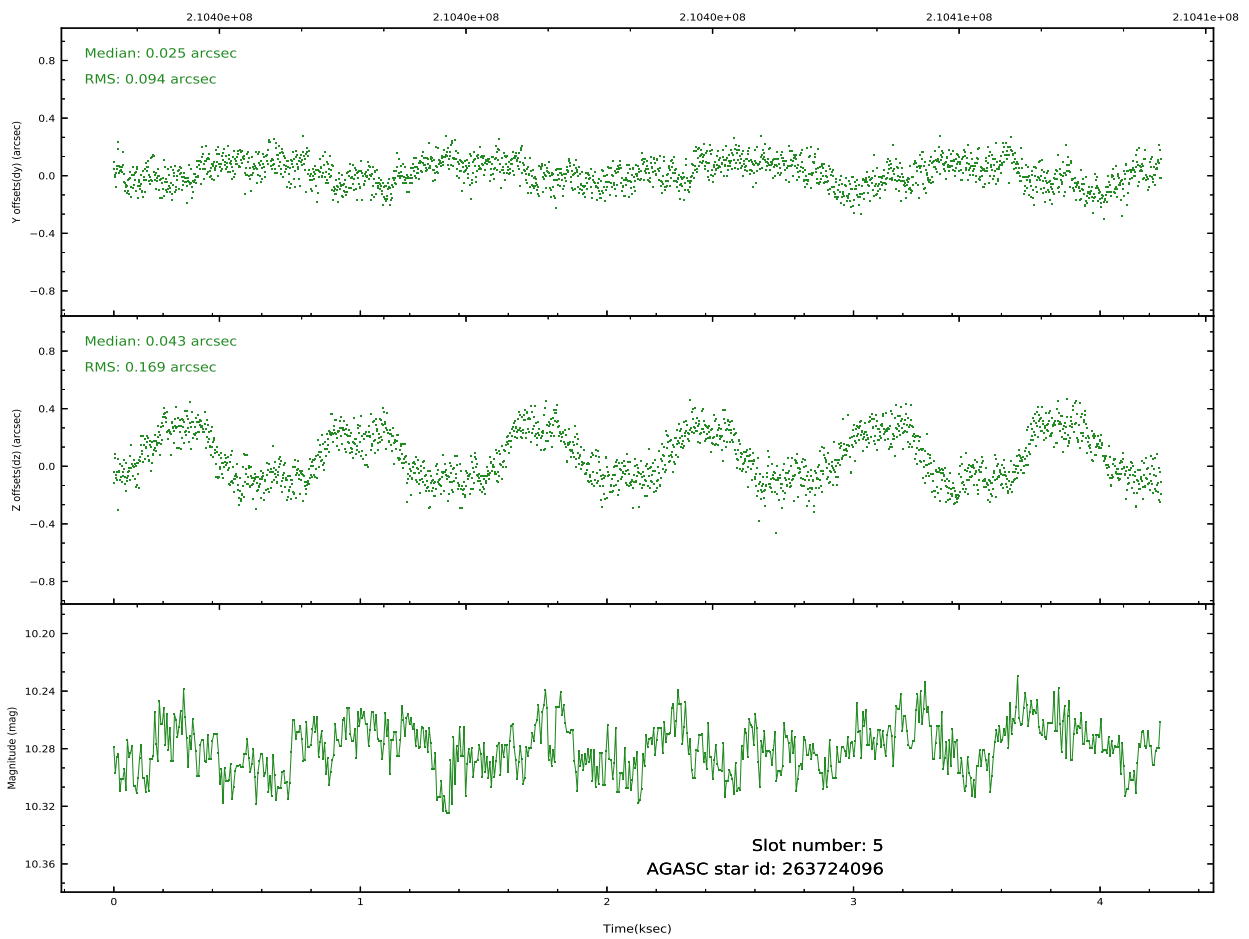
Time (s)



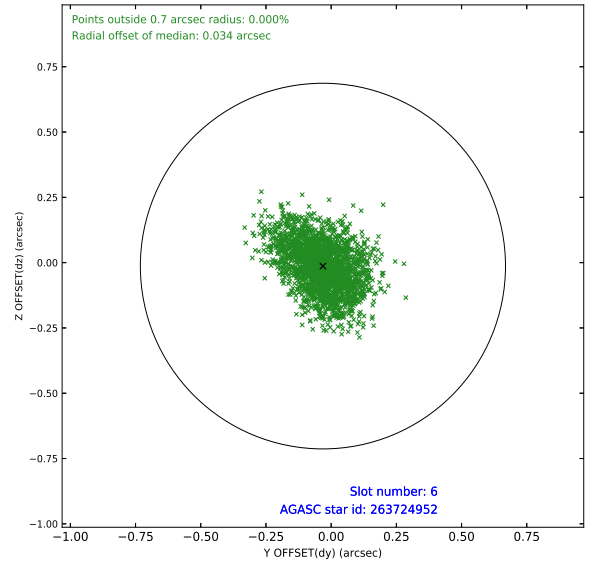
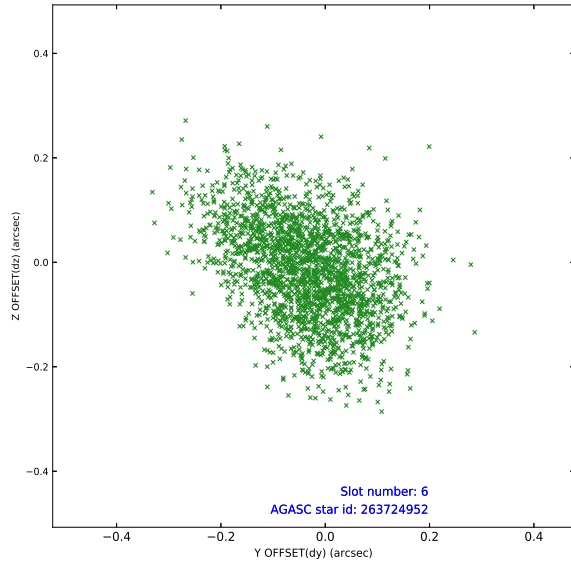
2.4.3 Slot 5



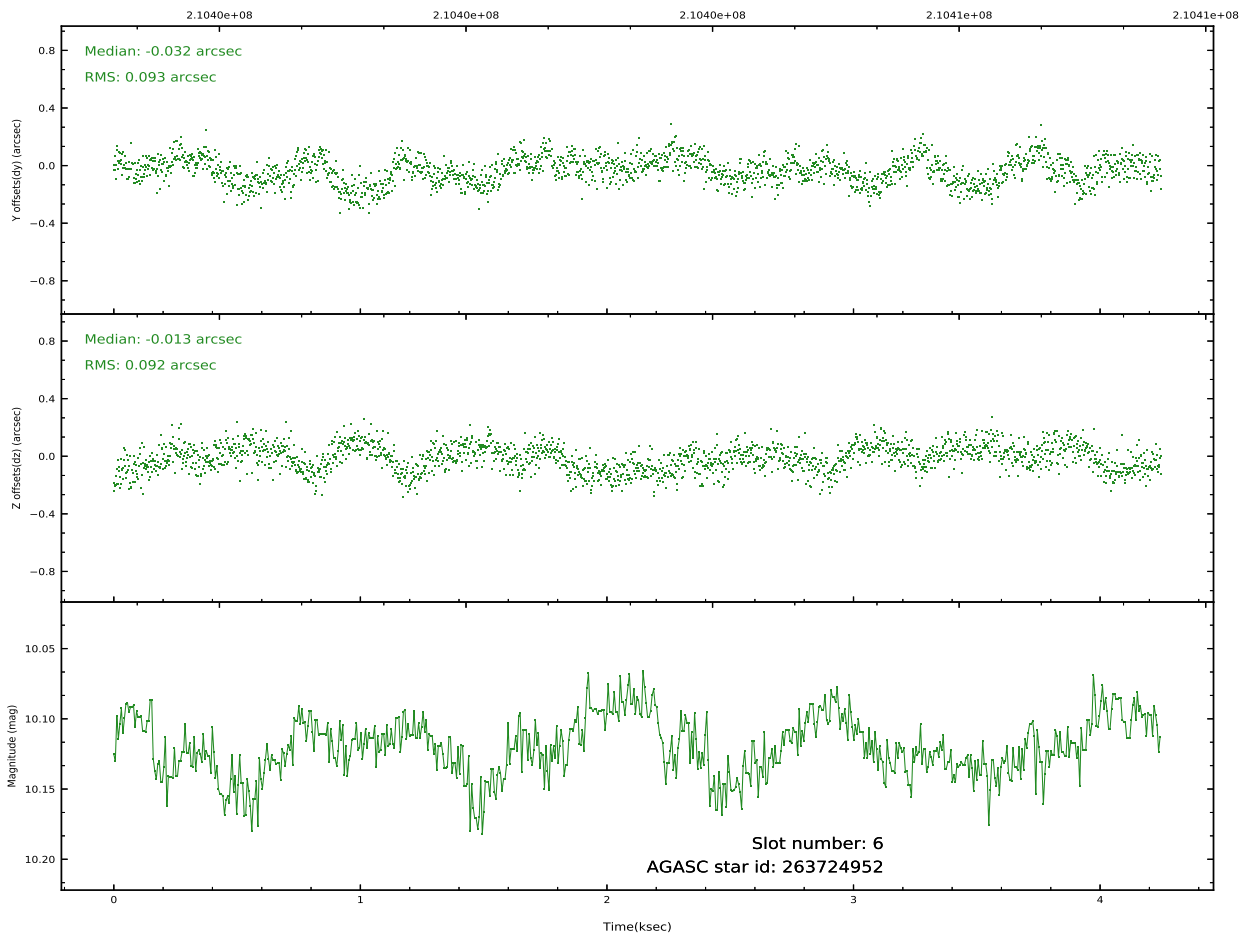
Time (s)



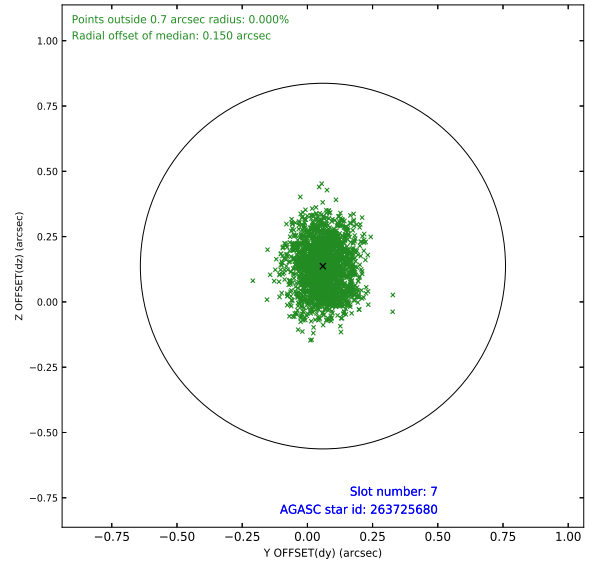
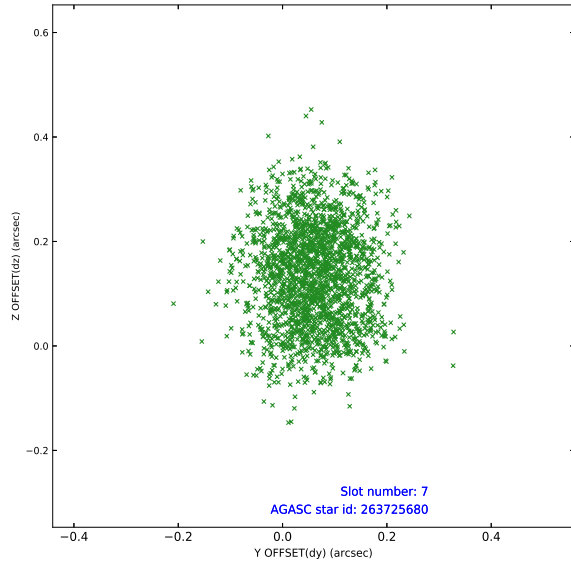
2.4.4 Slot 6



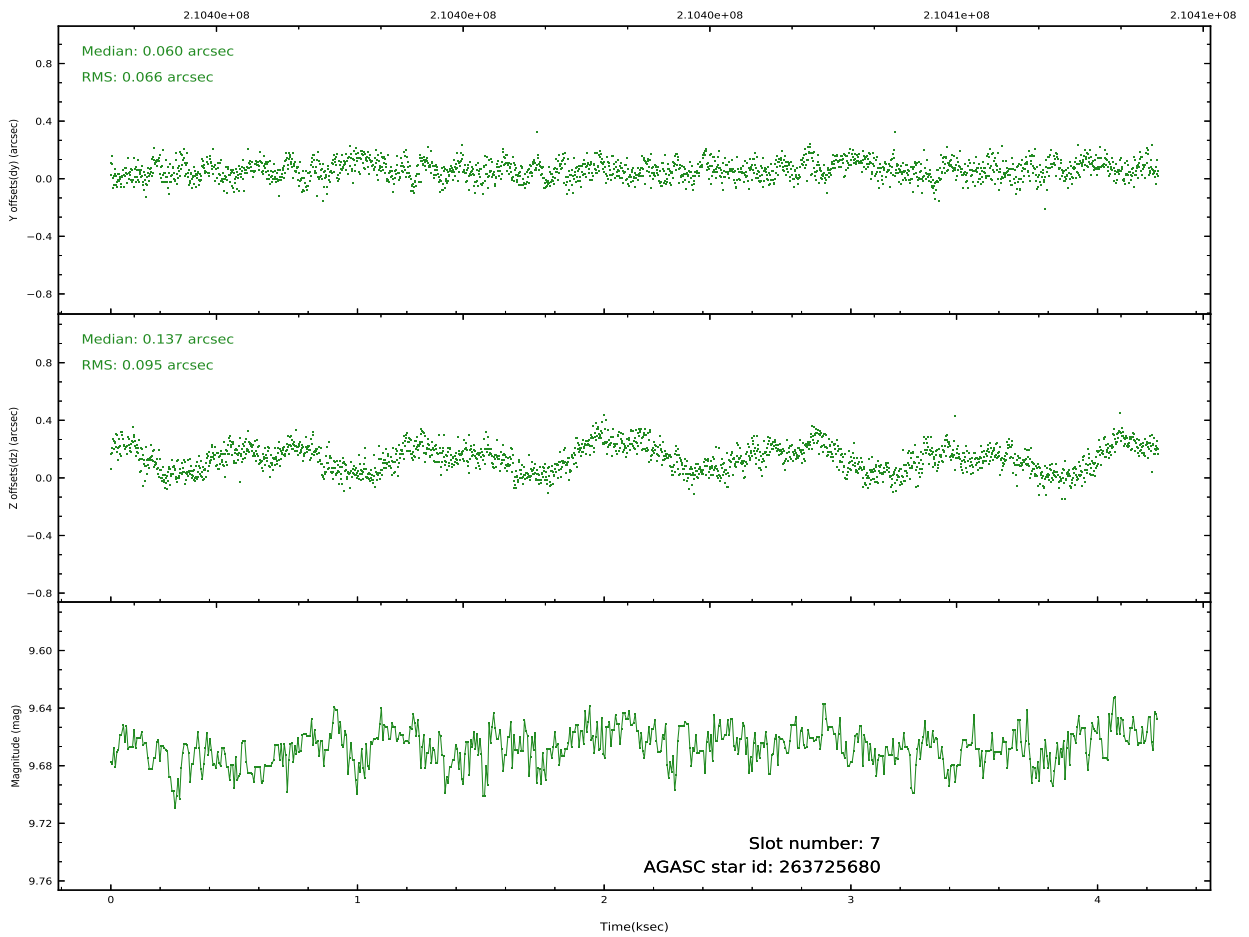
Time (s)



2.4.5 Slot 7

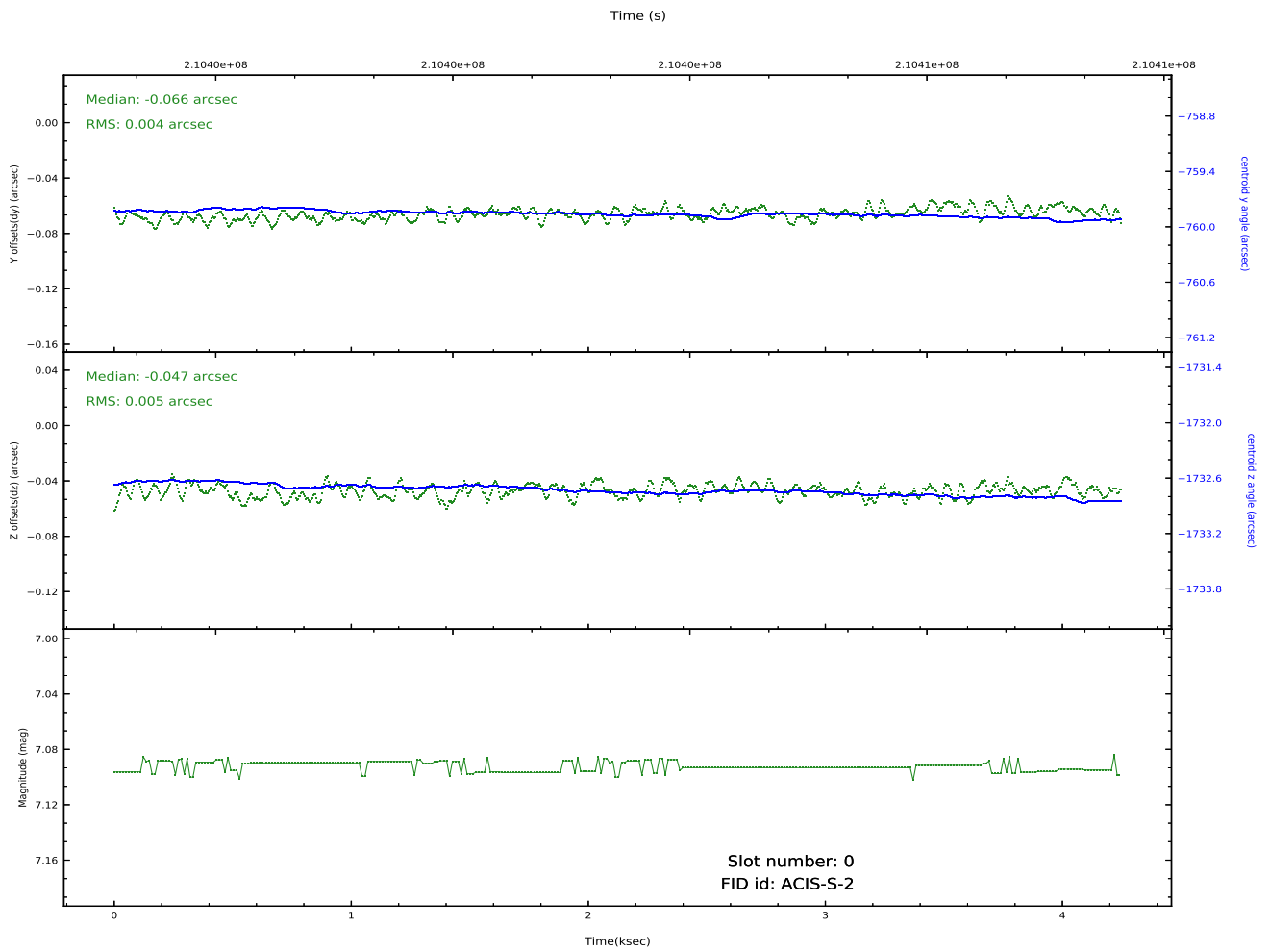
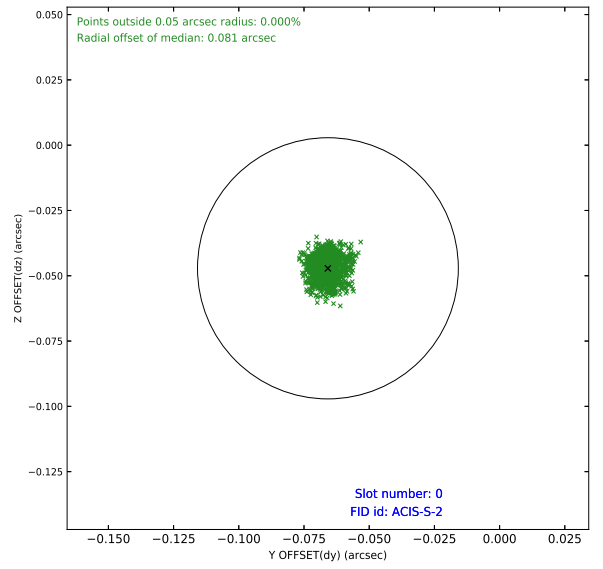
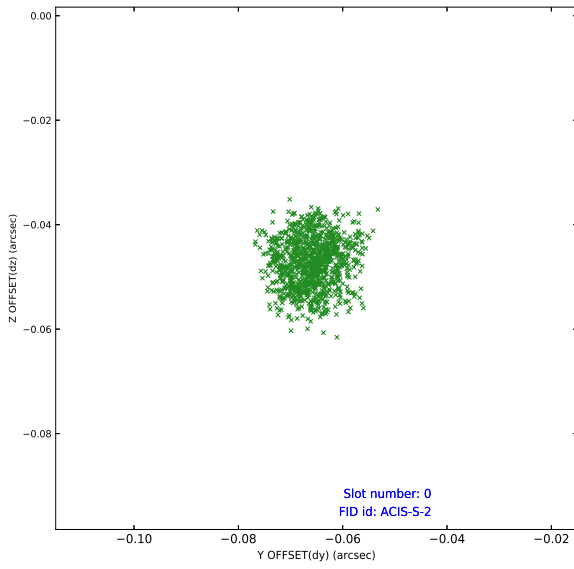


Time (s)

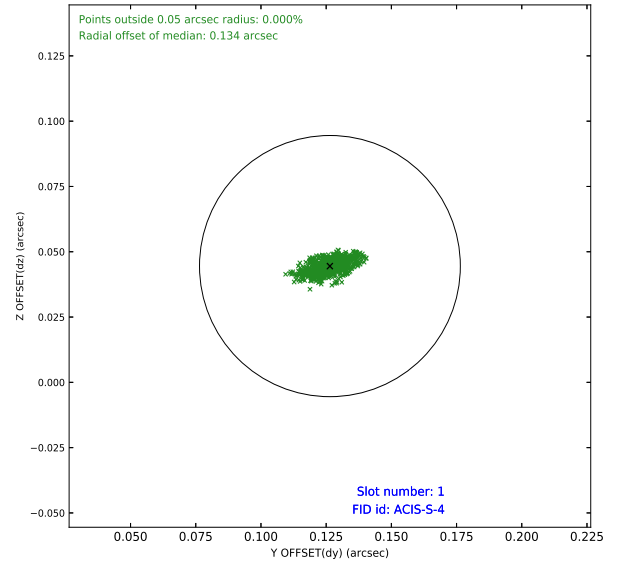
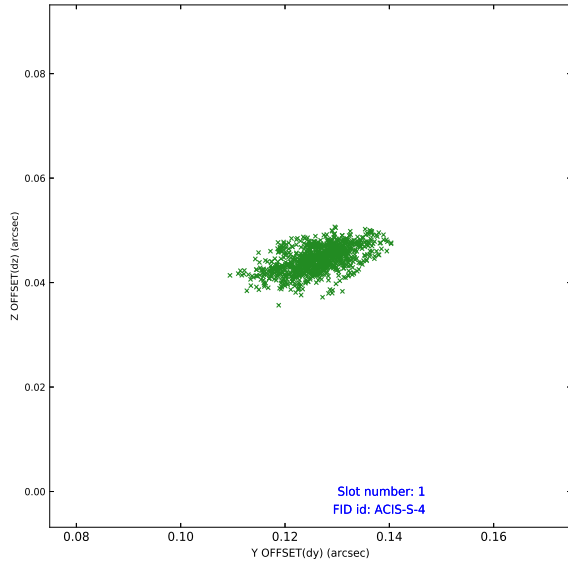


2.5 FID Slots

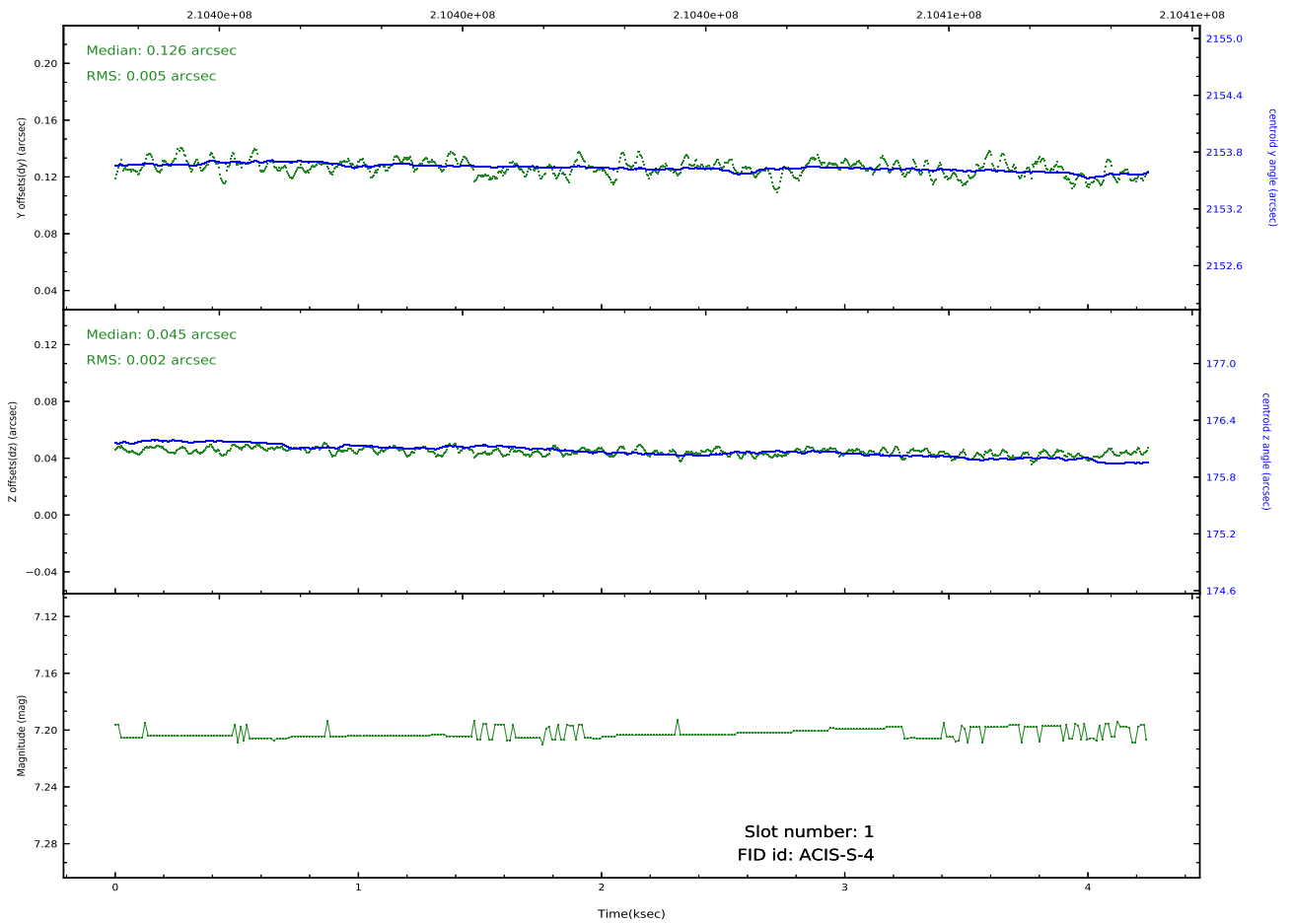
2.5.1 Slot 0



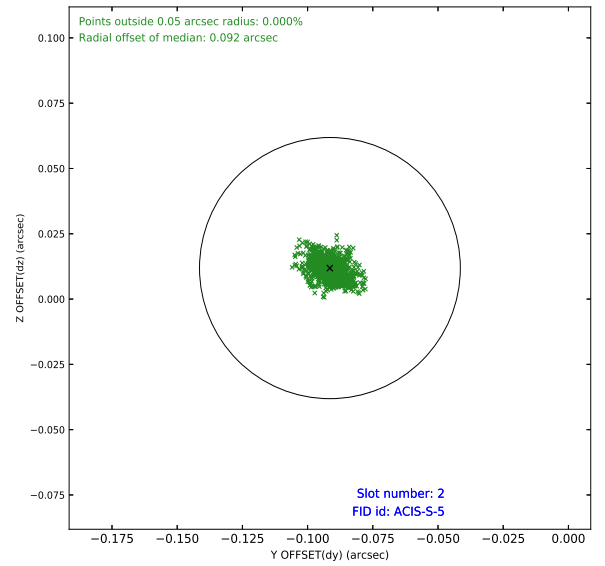
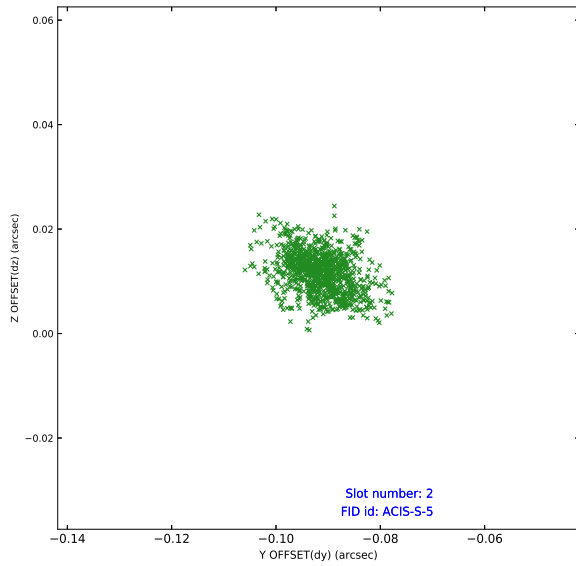
2.5.2 Slot 1



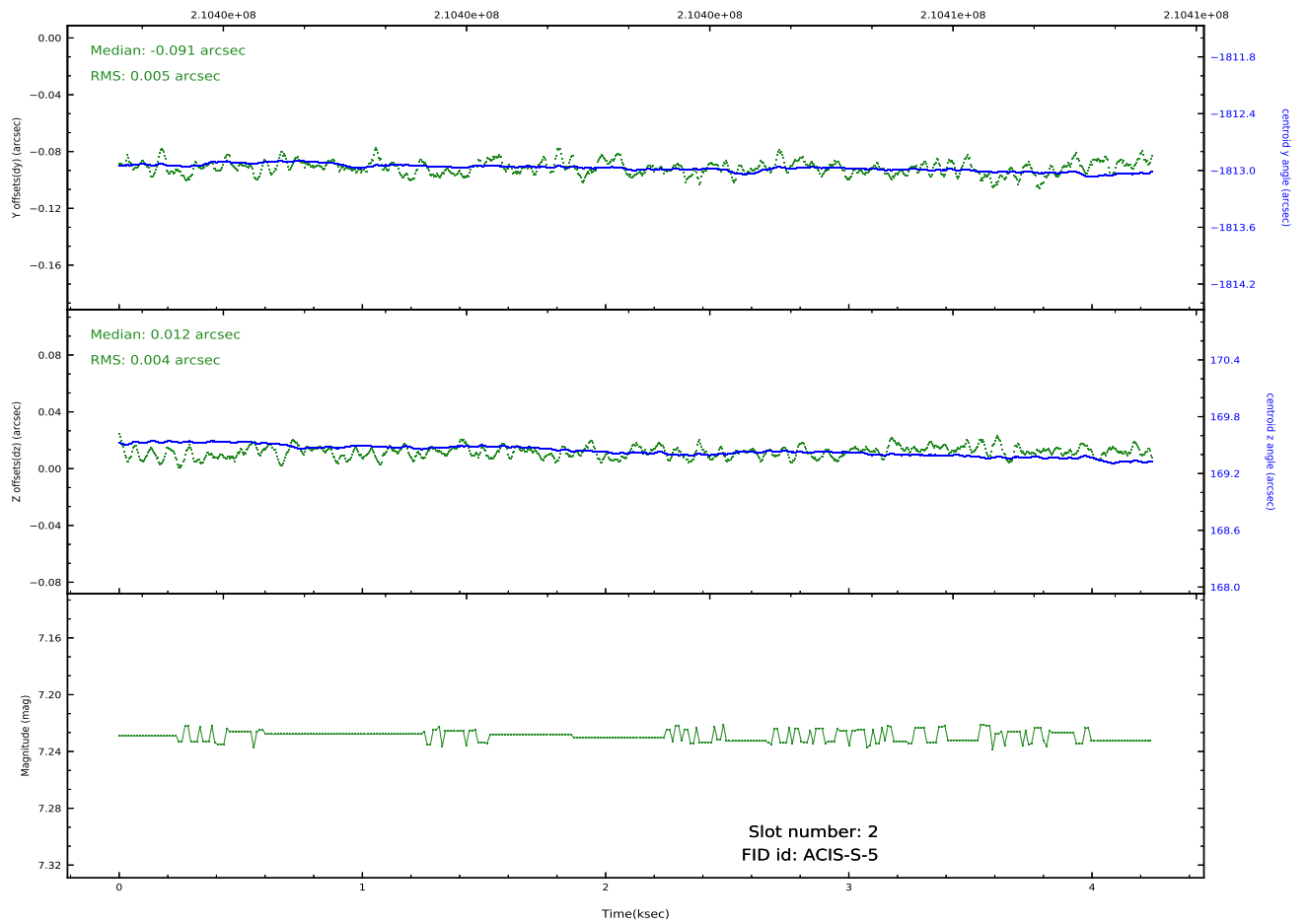
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.245

A.2 Comments