

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4617 - L2 Version 4
Chandra X-Ray Center

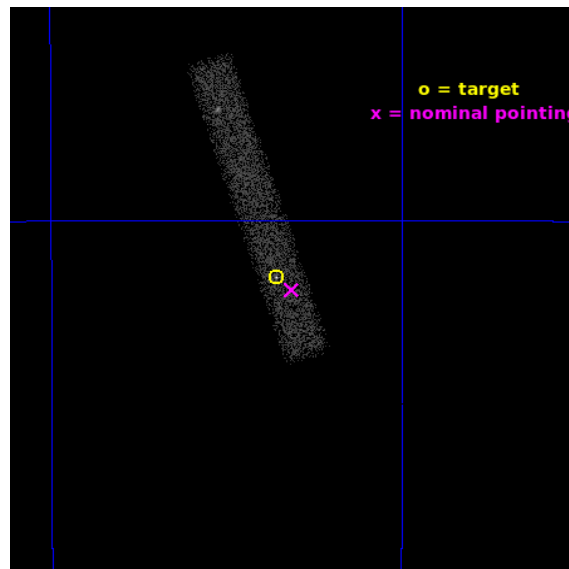
L2 Processing Date : Sep 23 2020

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1 Front

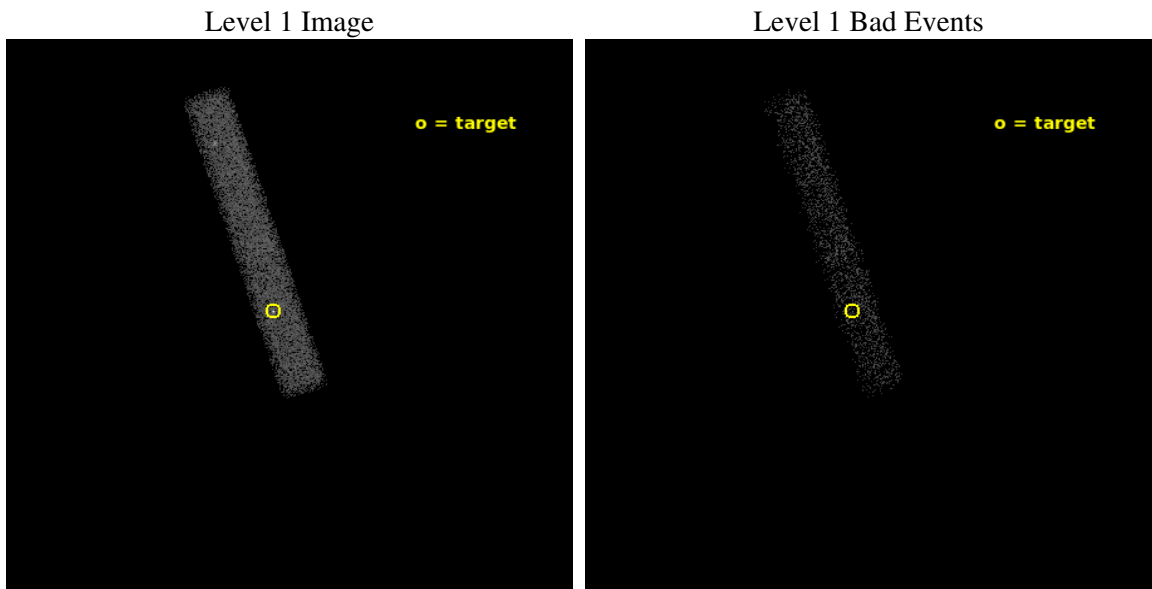
seq_num	500442	Sequence number
obs_id	4617	Observation id
title	PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	CXOU J010043.1-721134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.179583	Observer's specified target RA [deg]
dec_targ	-72.192722	Observer's specified target Dec [deg]
ra_nom	15.156590250904	Nominal RA [deg]
dec_nom	-72.198418212842	Nominal Dec [deg]
roll_nom	252.03726002168	Nominal Roll [deg]
revision	4	Processing version of data
ontime	16839.6002509	Sum of GTIs [s]
livetime	15272.628560584	Livetime [s]
ontime7	16839.6002509	Sum of GTIs [s]
l2events	9715	Number of level 2 events



2 OBI

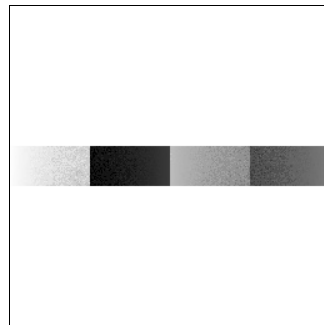
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16670.230000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	16839.6002509	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	16839.6002509	Sum of GTIs [s]
date	2020-09-23T15:55:12	Date and time of file creation	l1events	20564	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

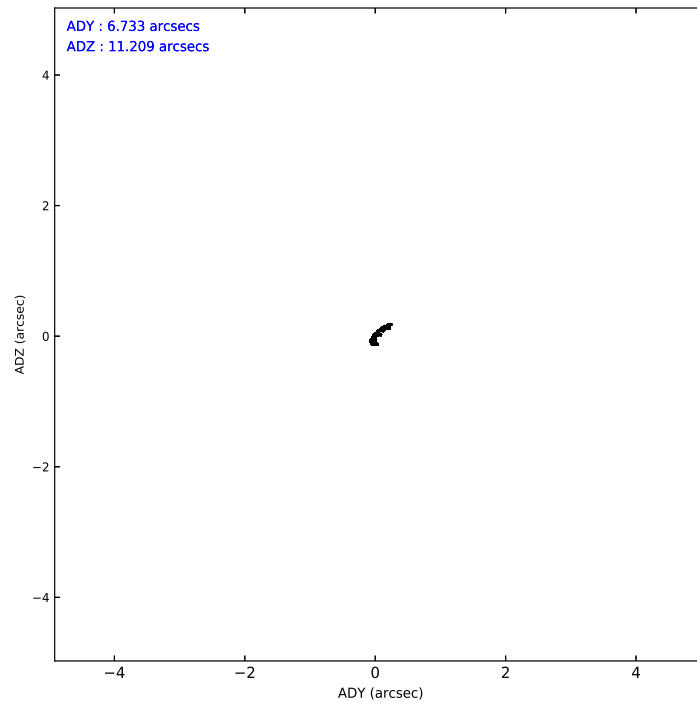
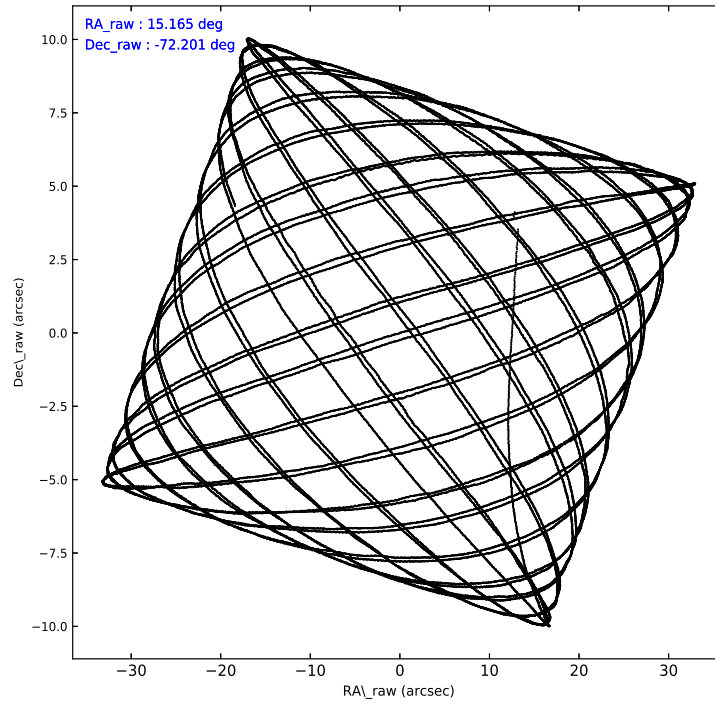
	ccd 7
level 1 events	20564
rejected events	10539
rejected %	51%

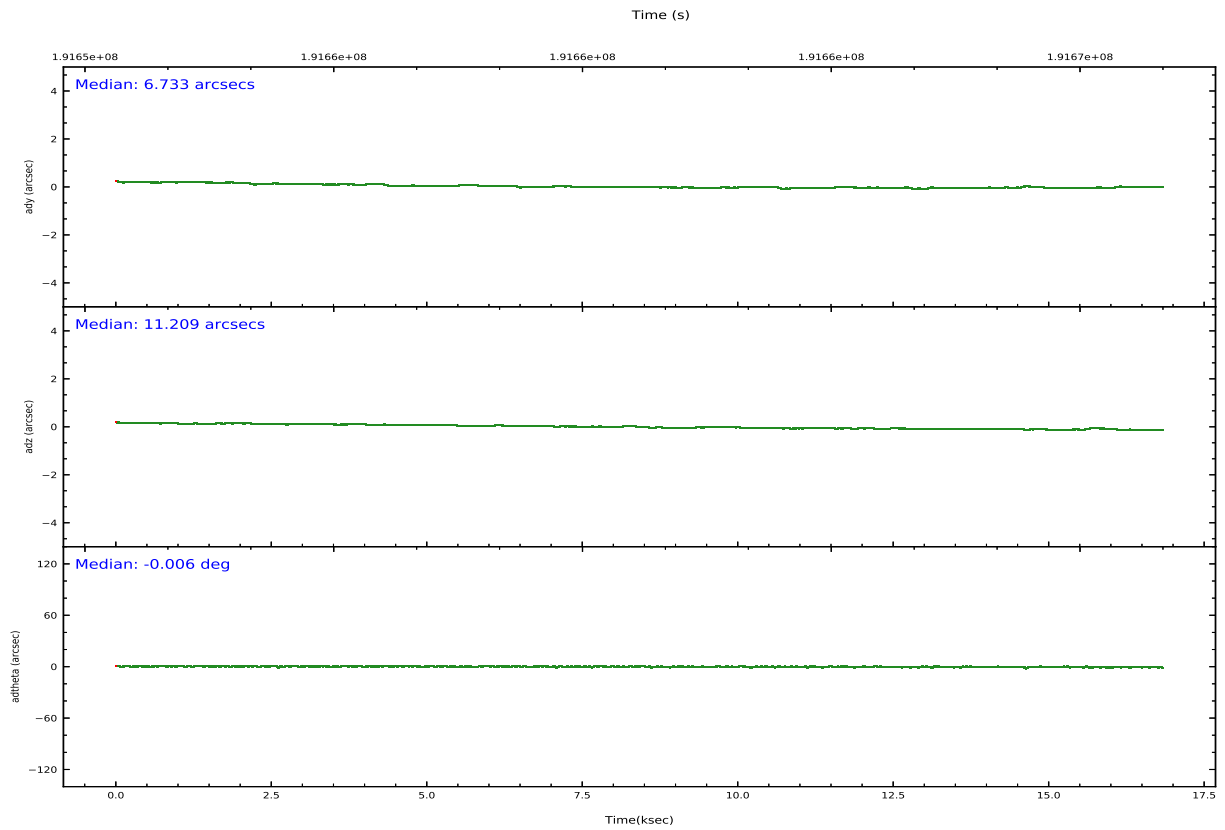
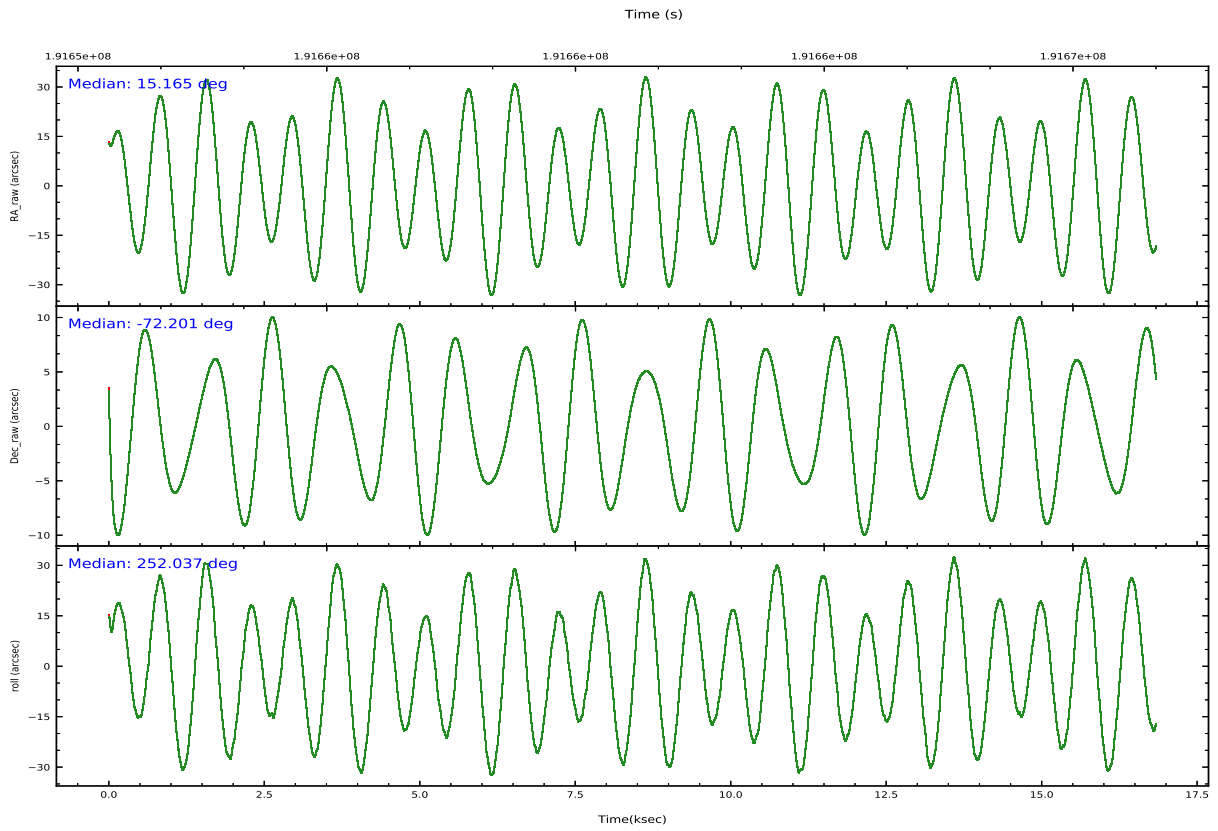
	ccd 7
grade 0 events	1507
	7%
grade 1 events	14
	0%
grade 2 events	2034
	9%
grade 3 events	1255
	6%
grade 4 events	1350
	6%
grade 5 events	1819
	8%
grade 6 events	4340
	21%
grade 7 events	8245
	40%

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	15.144981	15.156590250904	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-72.174702	-72.198418212842	Subarray start row	449	449
[deg] Pointing Roll	251.856466	252.03726002168	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	191652666.184000	191651534.23782			
Observation start date	2004-01-28T04:50:02	2004-01-28T04:32:14			
[s] Observation end time (MET)	191669336.184000	191669650.60112			
Observation end date	2004-01-28T09:27:52	2004-01-28T09:34:10			
Read mode	TIMED	TIMED			

2.3 Aspect





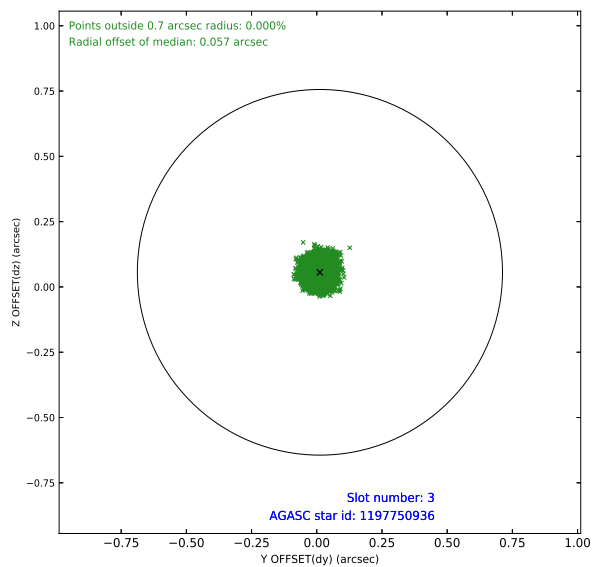
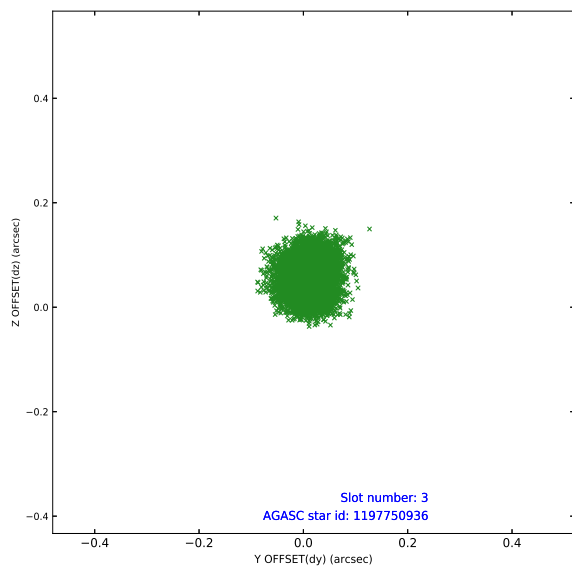
Slot Statistics

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	4108	1.000	-0.074	-0.047	0.007	0.011	0.000000	0.000000	-759.54	-1732
1	FID		ACIS-S-4	7.20	4108	1.000	0.116	0.048	0.006	0.010	0.000000	0.000000	2153.77	175
2	FID		ACIS-S-5	7.23	4108	1.000	-0.073	0.008	0.007	0.011	0.000000	0.000000	-1812.10	169
3	GUIDE	used	1197750936	7.56	8215	1.000	0.012	0.056	0.046	0.072	15.387940	-71.549550	-2224.09	-437
4	GUIDE	used	1197884536	8.50	8214	1.000	0.007	-0.008	0.063	0.104	17.160729	-71.835289	-1829.78	1780
5	GUIDE	used	1197884712	8.31	8213	1.000	0.051	0.068	0.054	0.086	16.087398	-72.252690	-47.62	1073
6	GUIDE	used	1197885328	7.23	8216	1.000	-0.000	-0.094	0.051	0.083	16.283090	-71.733943	-1896.44	730
7	GUIDE	used	1198189696	7.36	8215	1.000	-0.073	-0.022	0.049	0.077	15.223750	-72.697522	1762.16	666

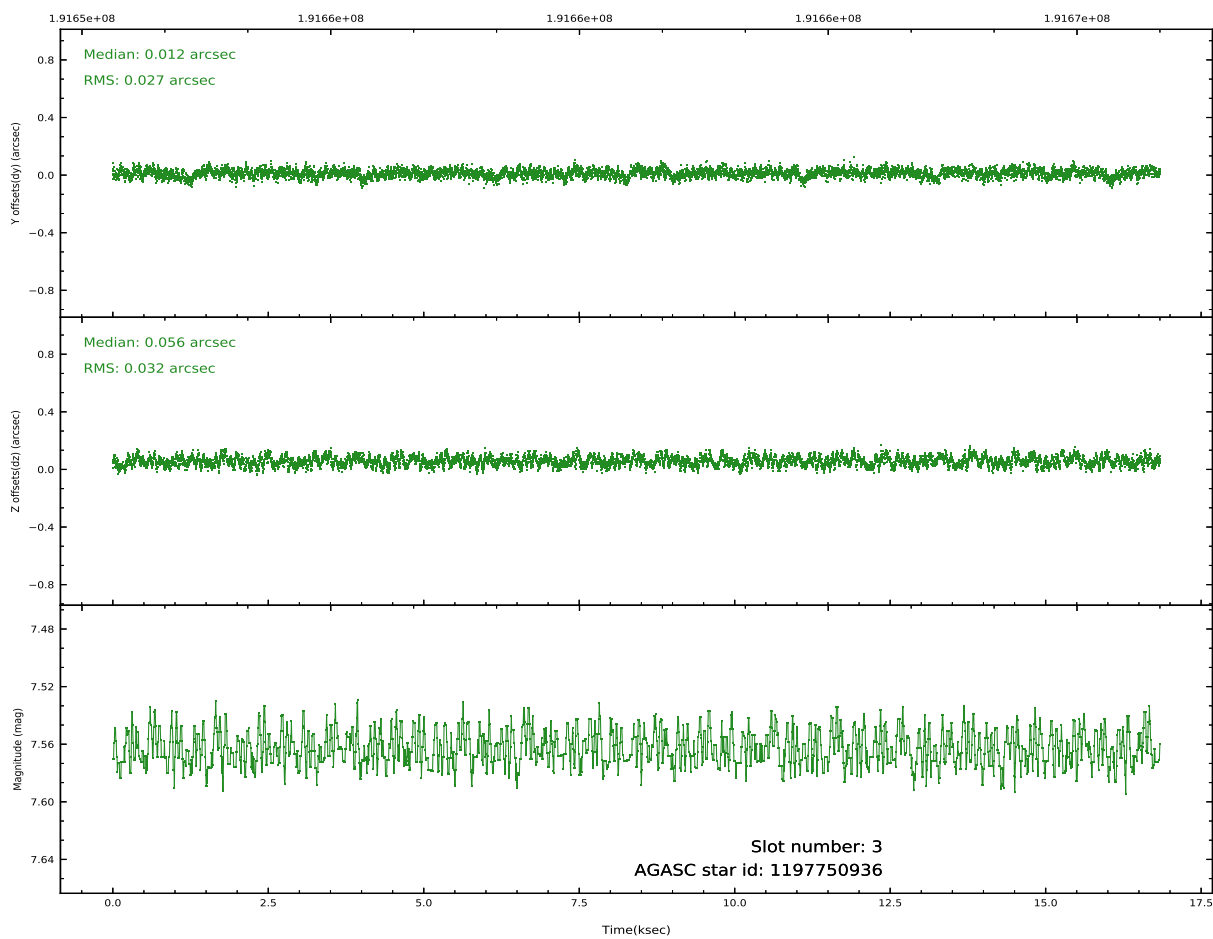
∞

2.4 Star Slots

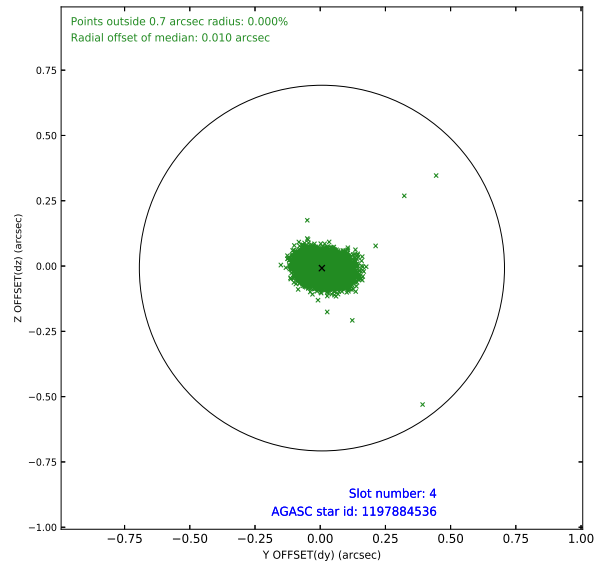
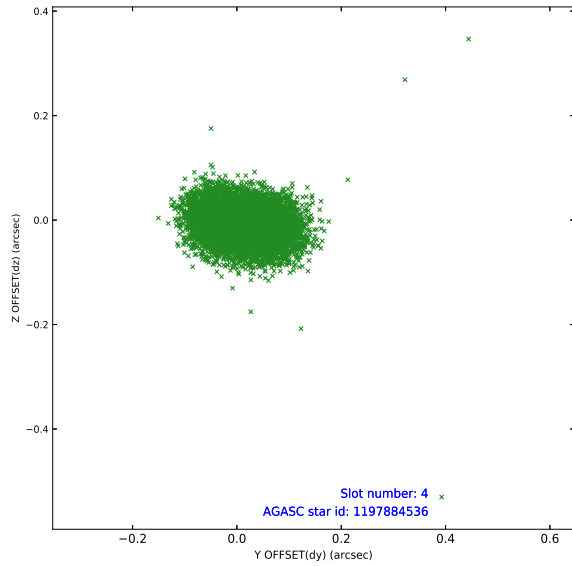
2.4.1 Slot 3



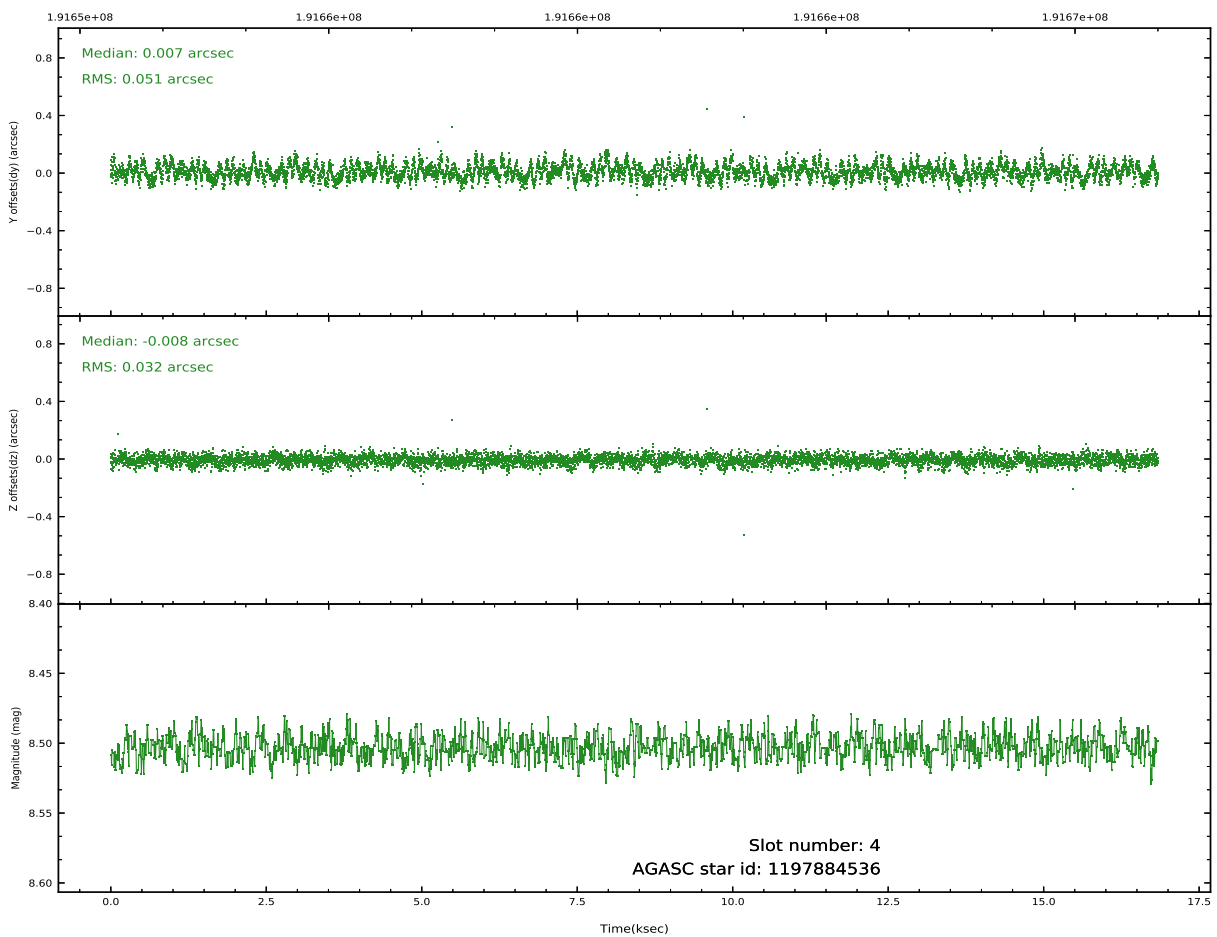
Time (s)



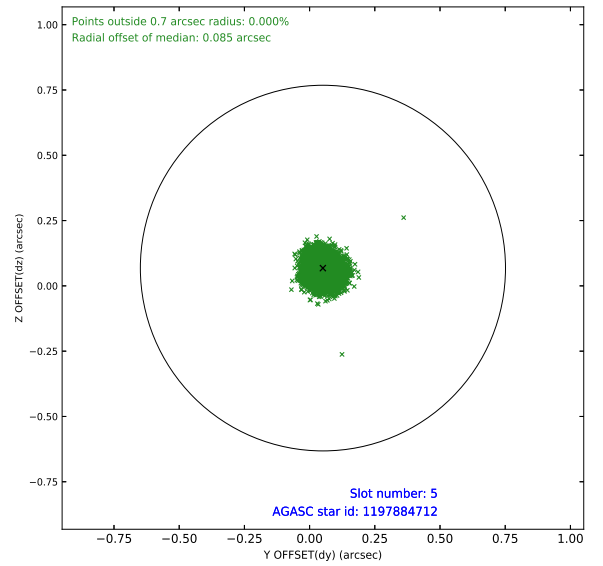
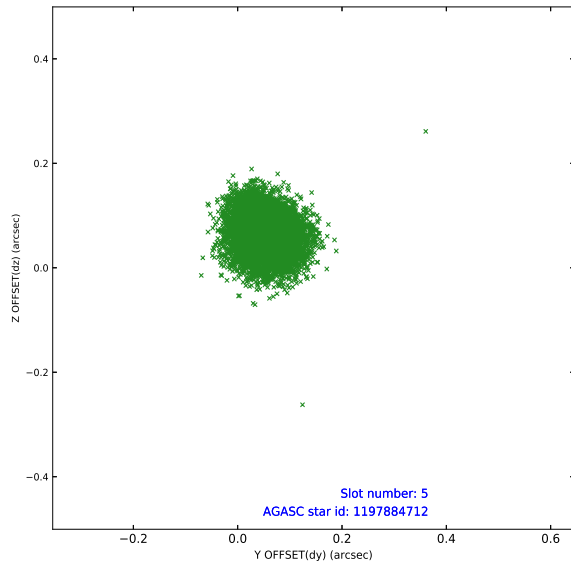
2.4.2 Slot 4



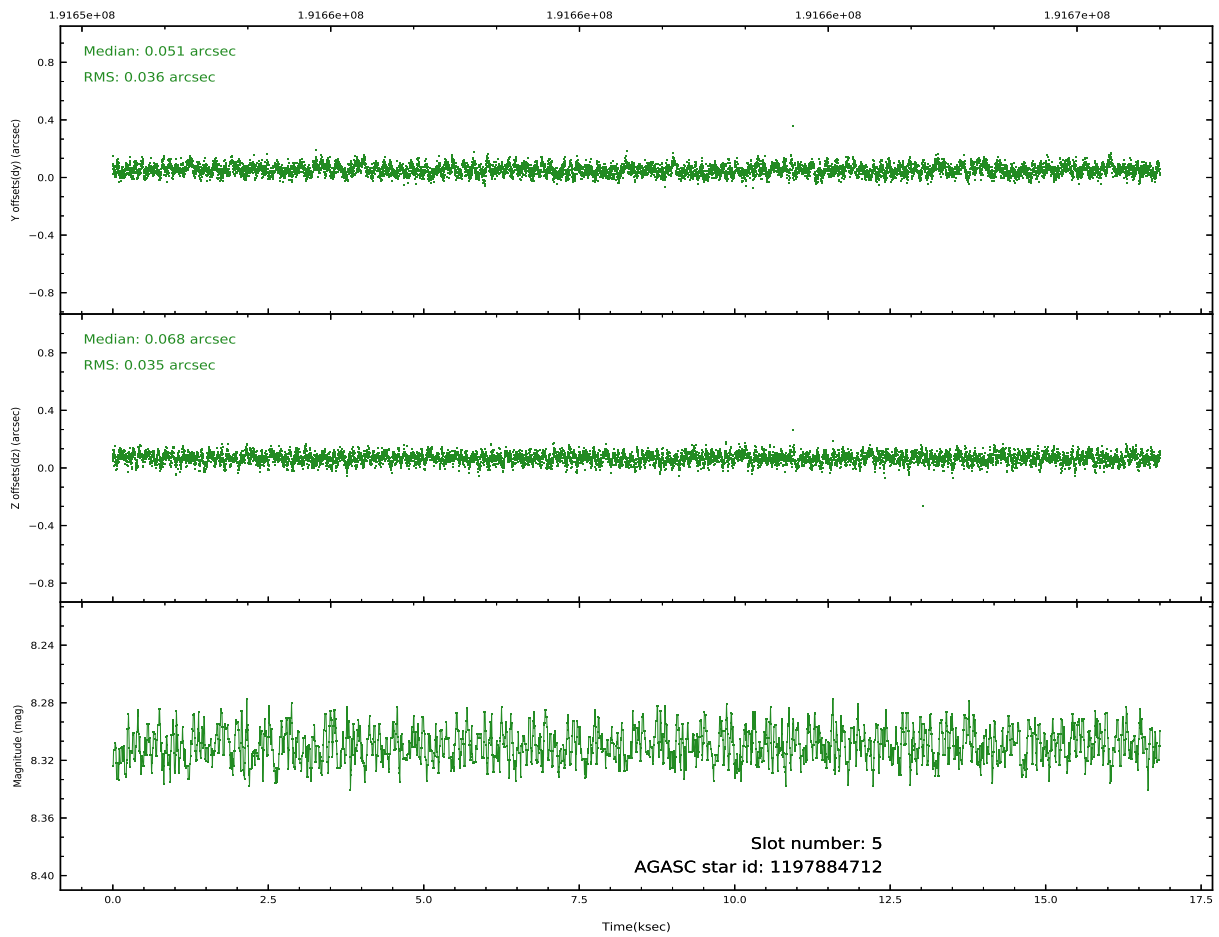
Time (s)



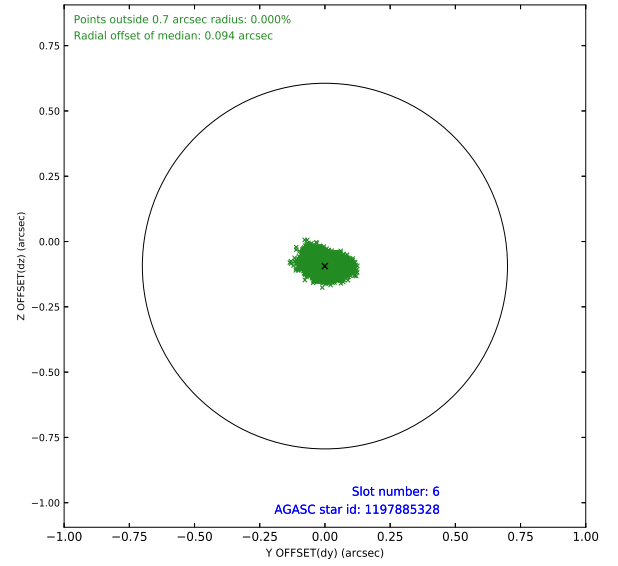
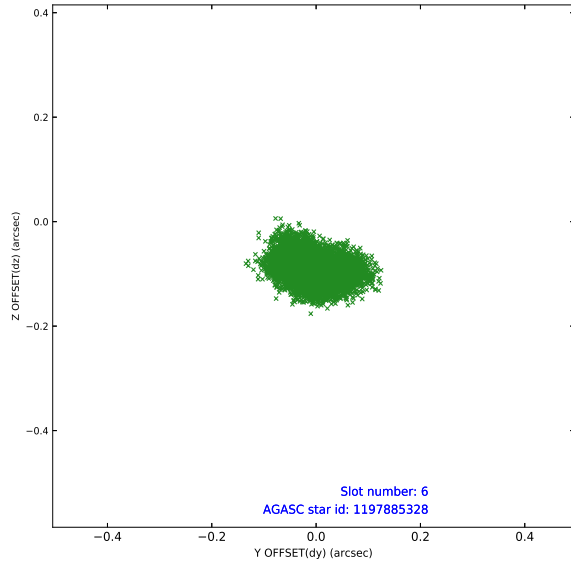
2.4.3 Slot 5



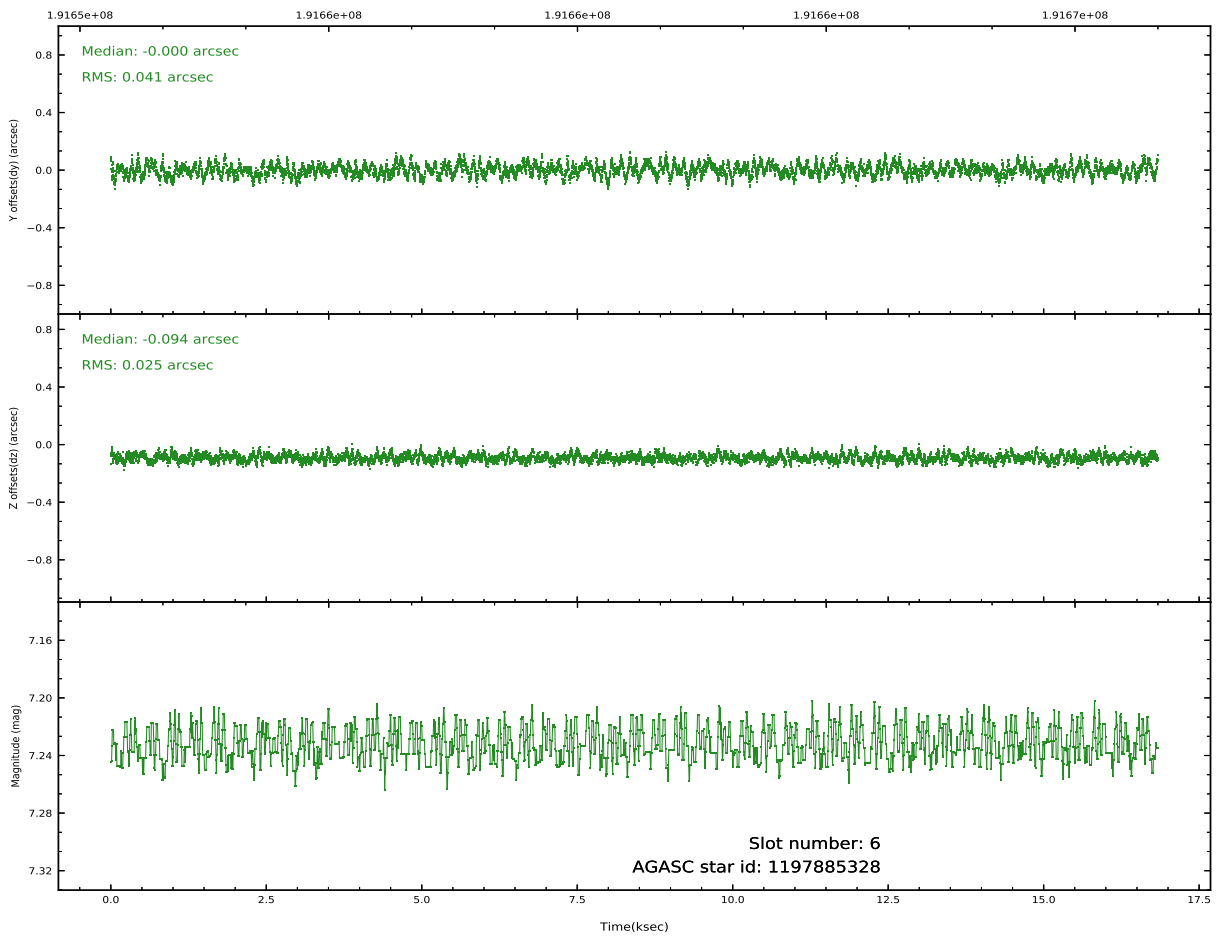
Time (s)



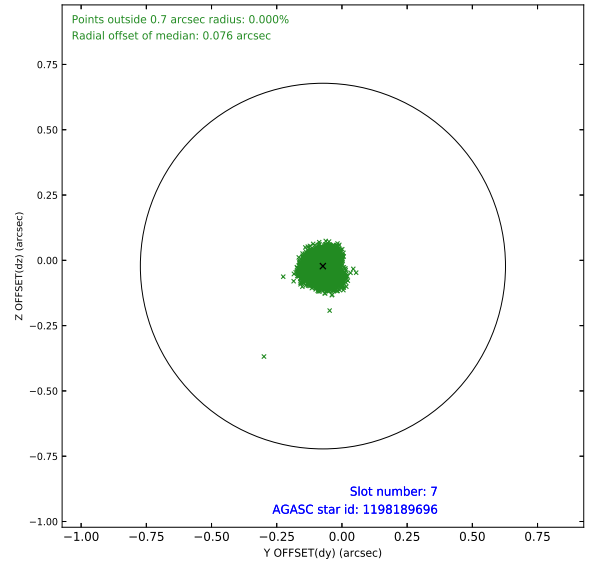
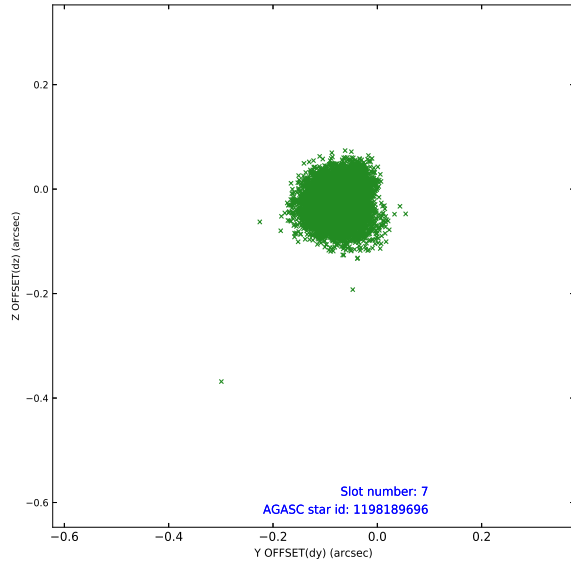
2.4.4 Slot 6



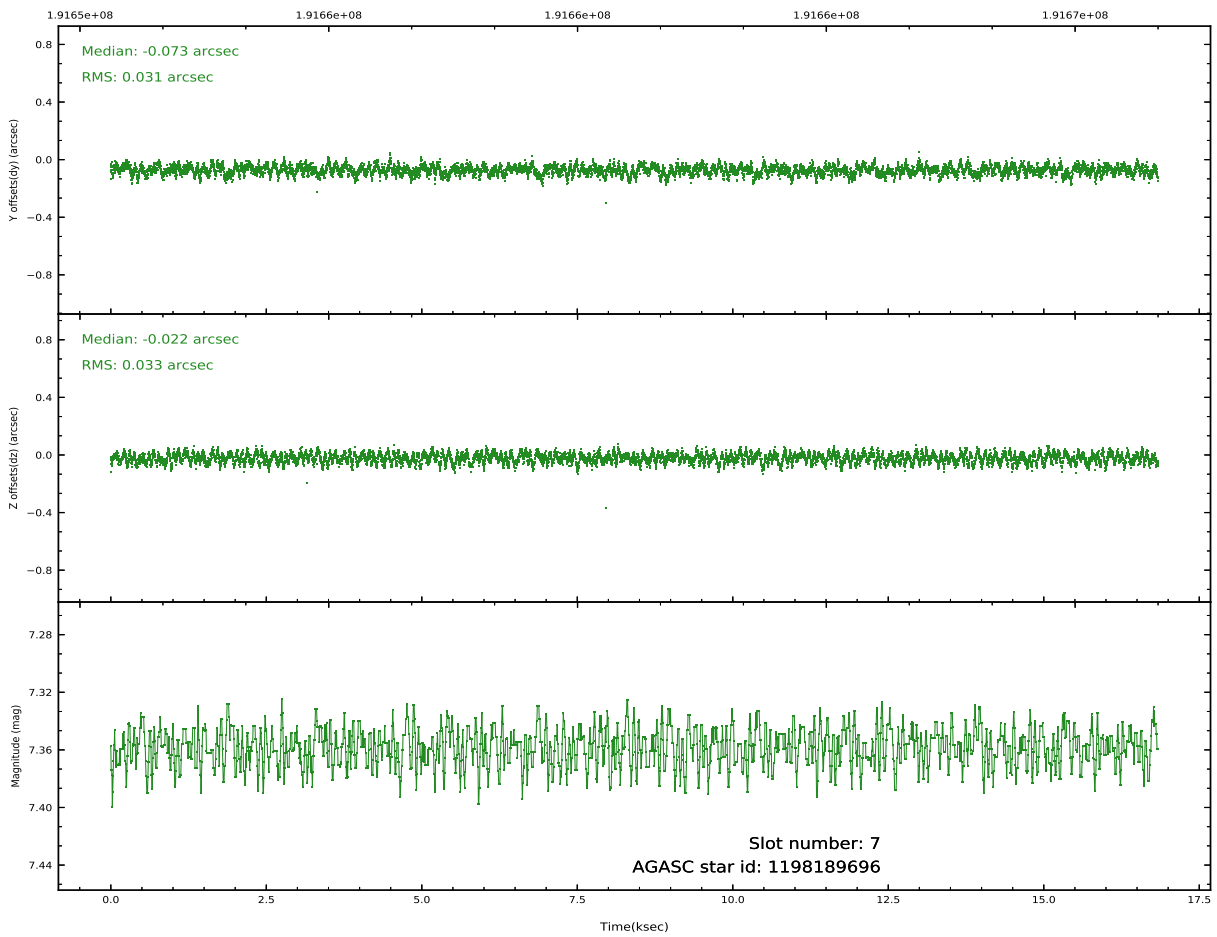
Time (s)



2.4.5 Slot 7

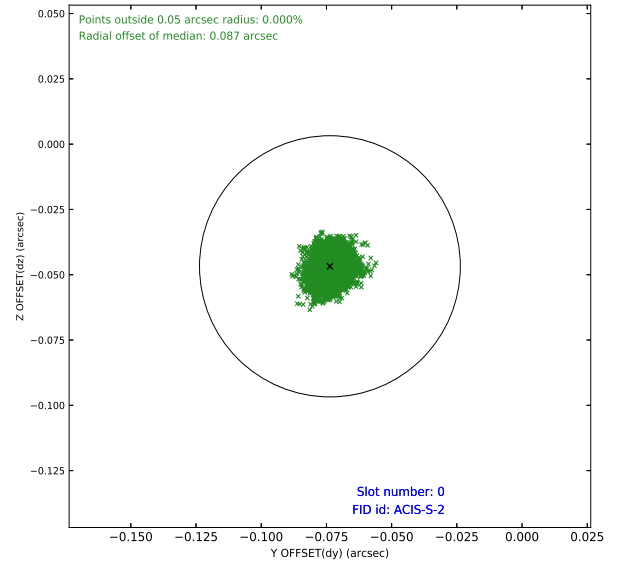
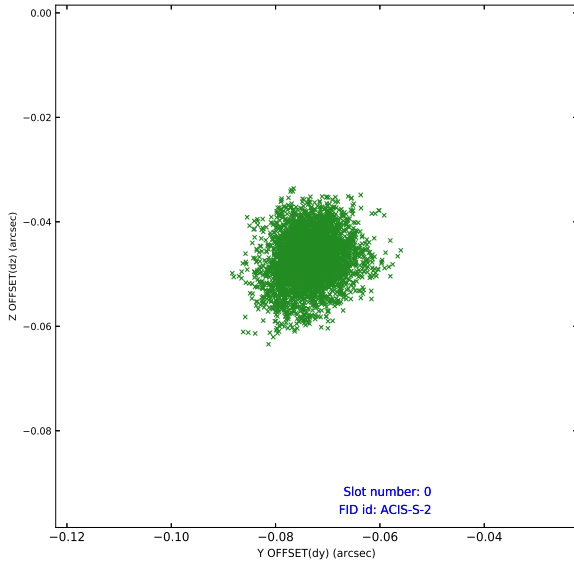


Time (s)

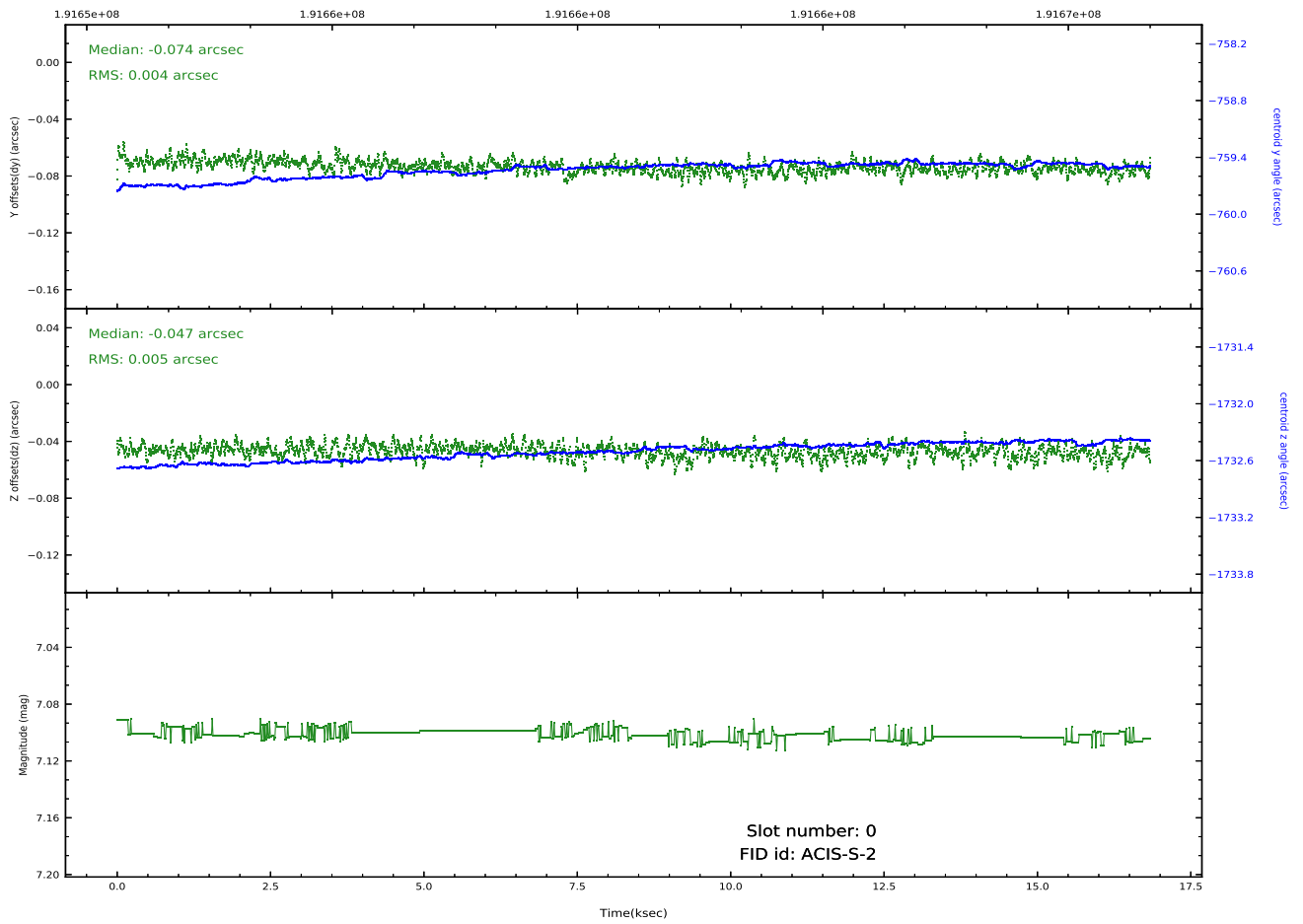


2.5 FID Slots

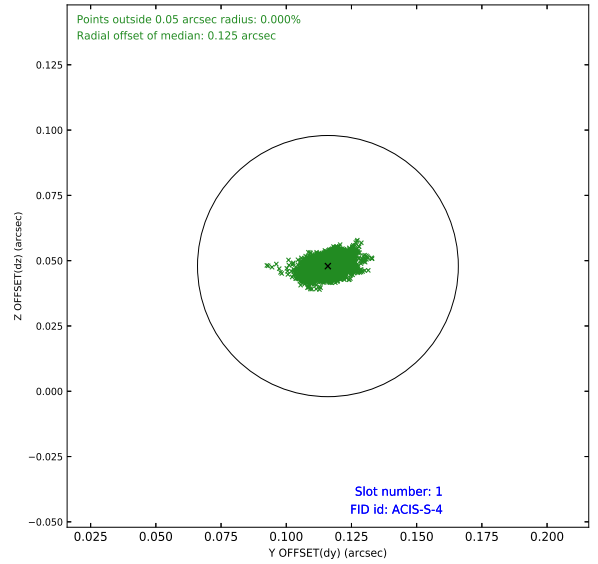
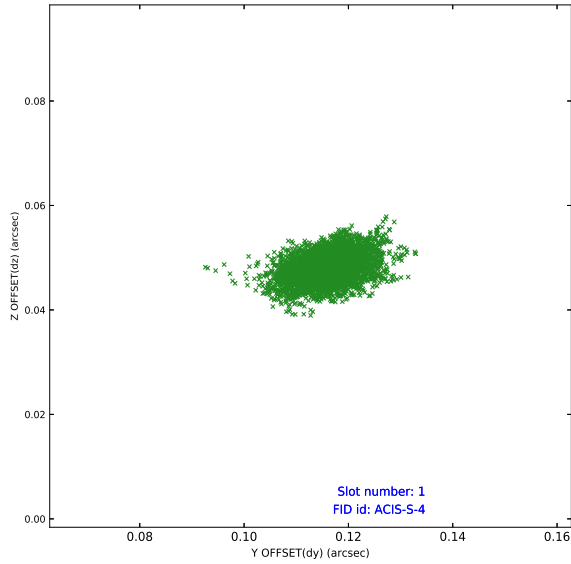
2.5.1 Slot 0



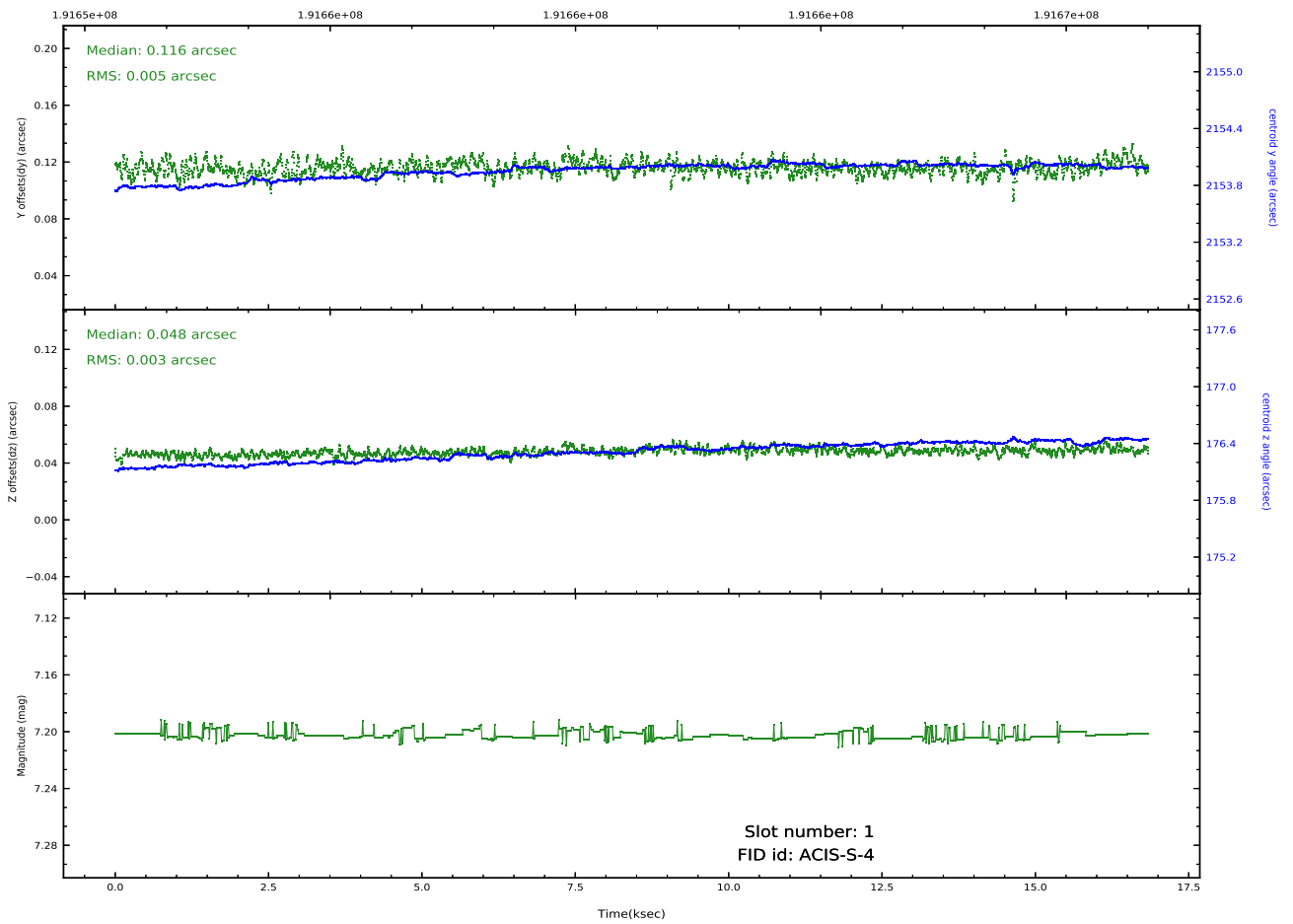
Time (s)



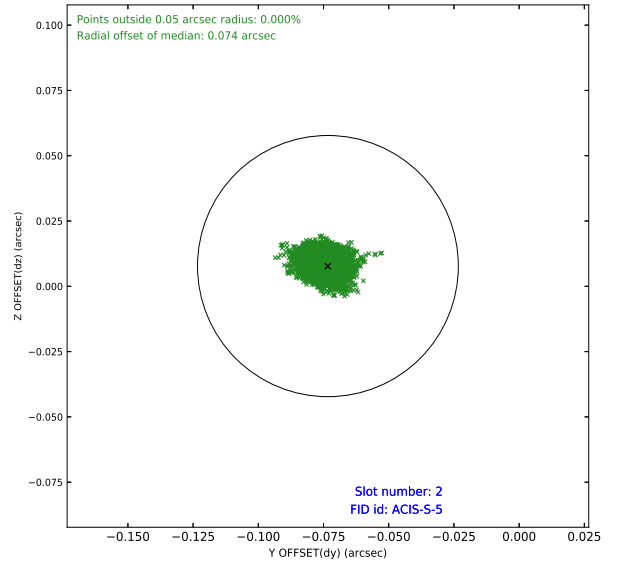
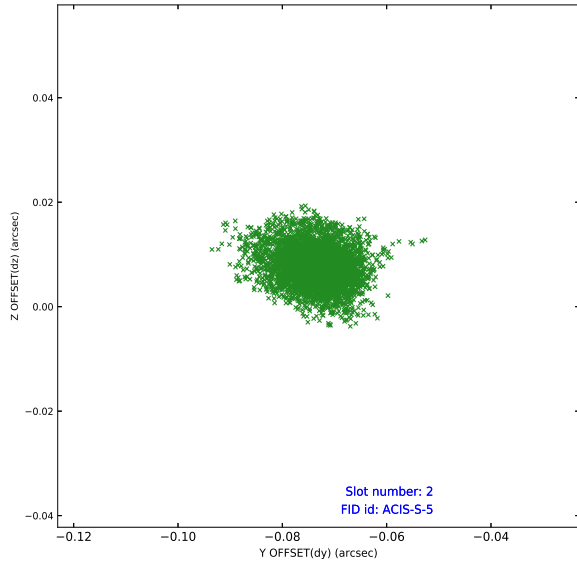
2.5.2 Slot 1



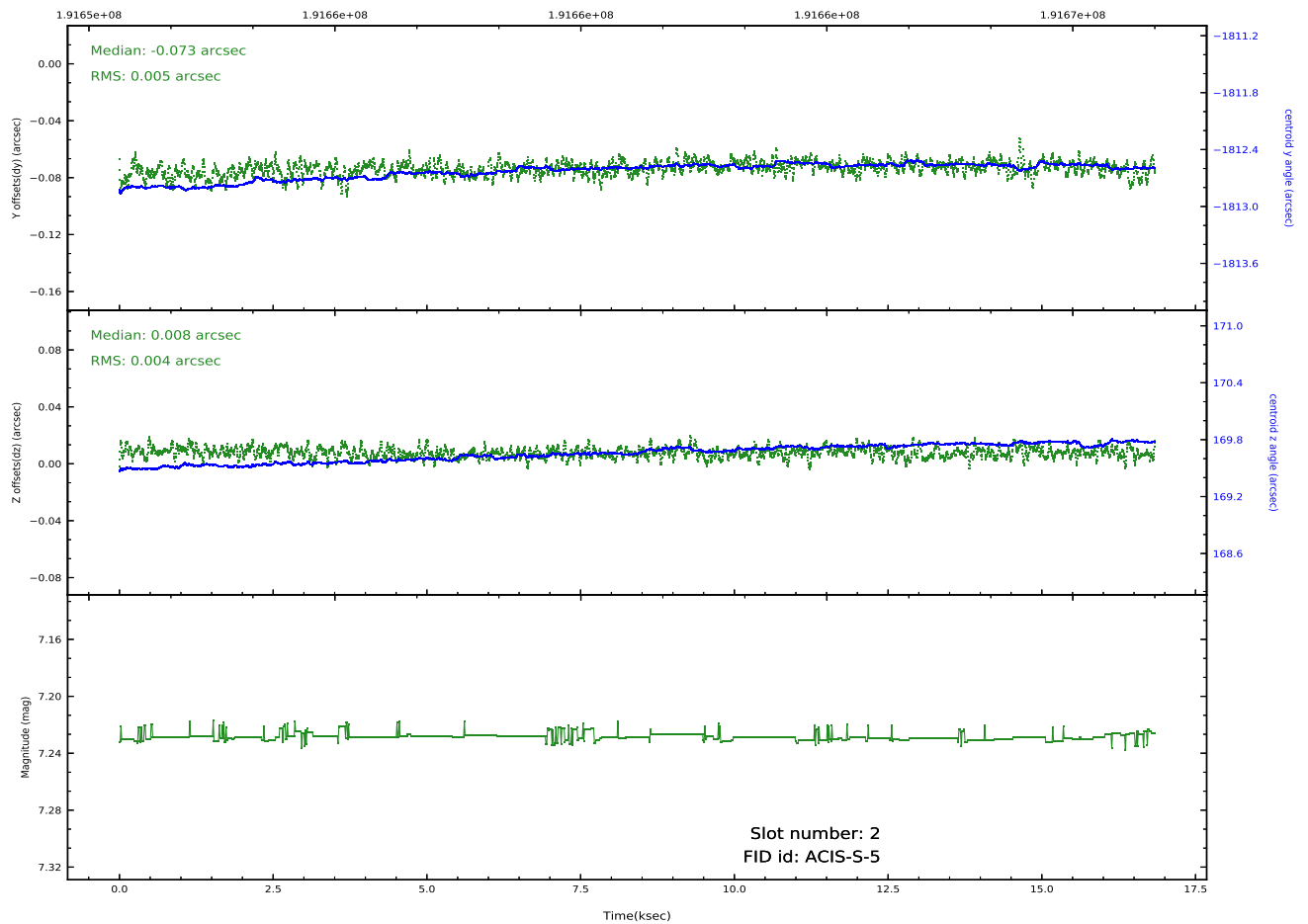
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.839

A.2 Comments