

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 24619 - L2 Version 1
Chandra X-Ray Center

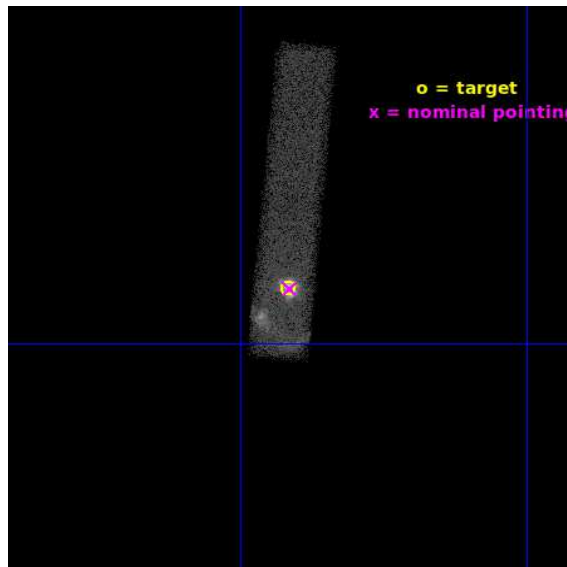
L2 Processing Date : Sep 15 2020

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1 Front

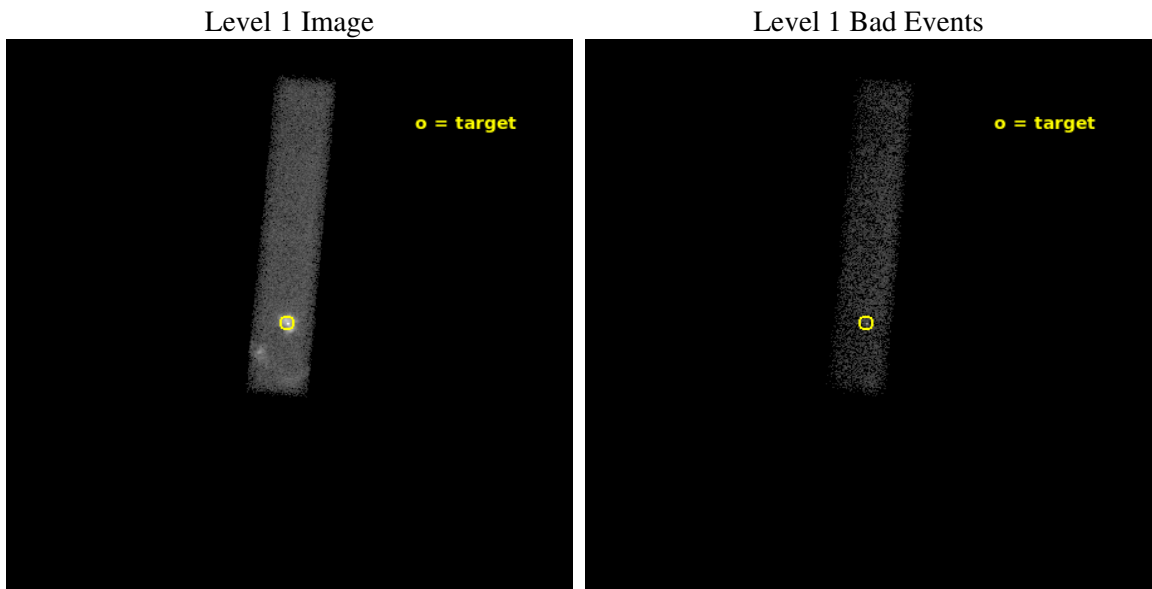
seq_num	503278	Sequence number
obs_id	24619	Observation id
title	Chandra observations of PSR J1846-0258 in outburst	Proposal title
observer	Harsha Blumer	Principal investigator
object	PSR J1846-0258	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.603917	Observer's specified target RA [deg]
dec_targ	-2.975031	Observer's specified target Dec [deg]
ra_nom	281.60336693359	Nominal RA [deg]
dec_nom	-2.9752404940049	Nominal Dec [deg]
roll_nom	275.14923682649	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30054.931894302	Sum of GTIs [s]
livetime	27775.147765694	Livetime [s]
ontime7	30054.931894302	Sum of GTIs [s]
l2events	57142	Number of level 2 events



2 OBI

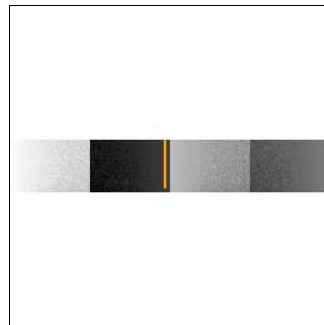
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	30054.931894302	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	30054.931894302	Sum of GTIs [s]
date	2020-09-16T02:38:55	Date and time of file creation	l1events	86241	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

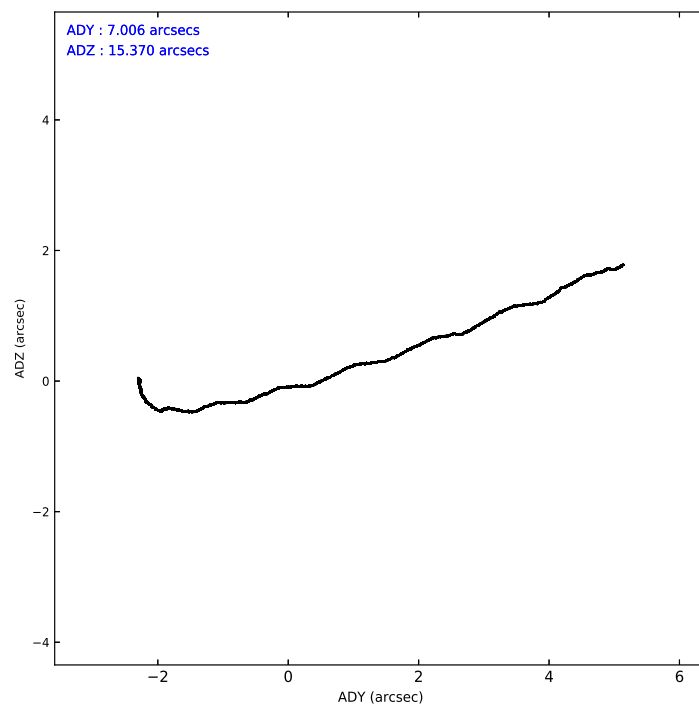
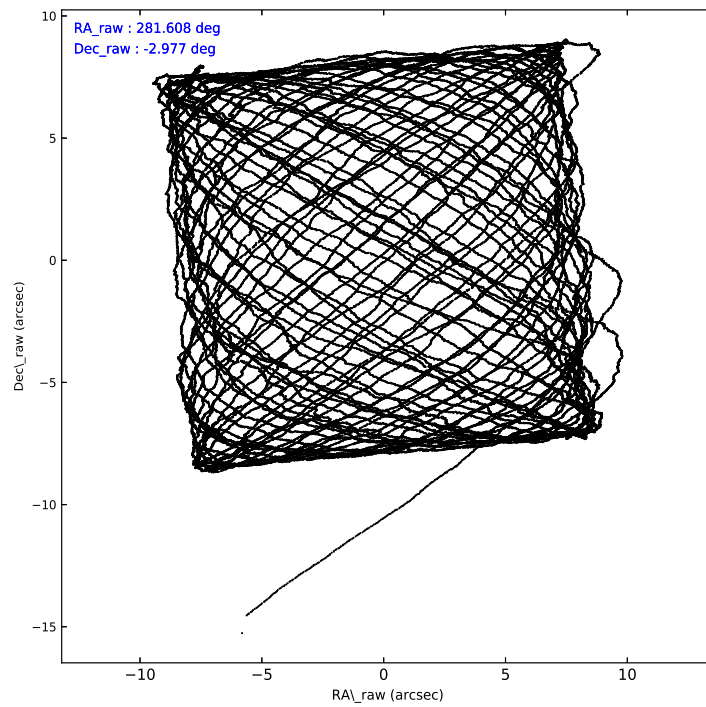
	ccd 7
level 1 events	86241
rejected events	27888
rejected %	32%

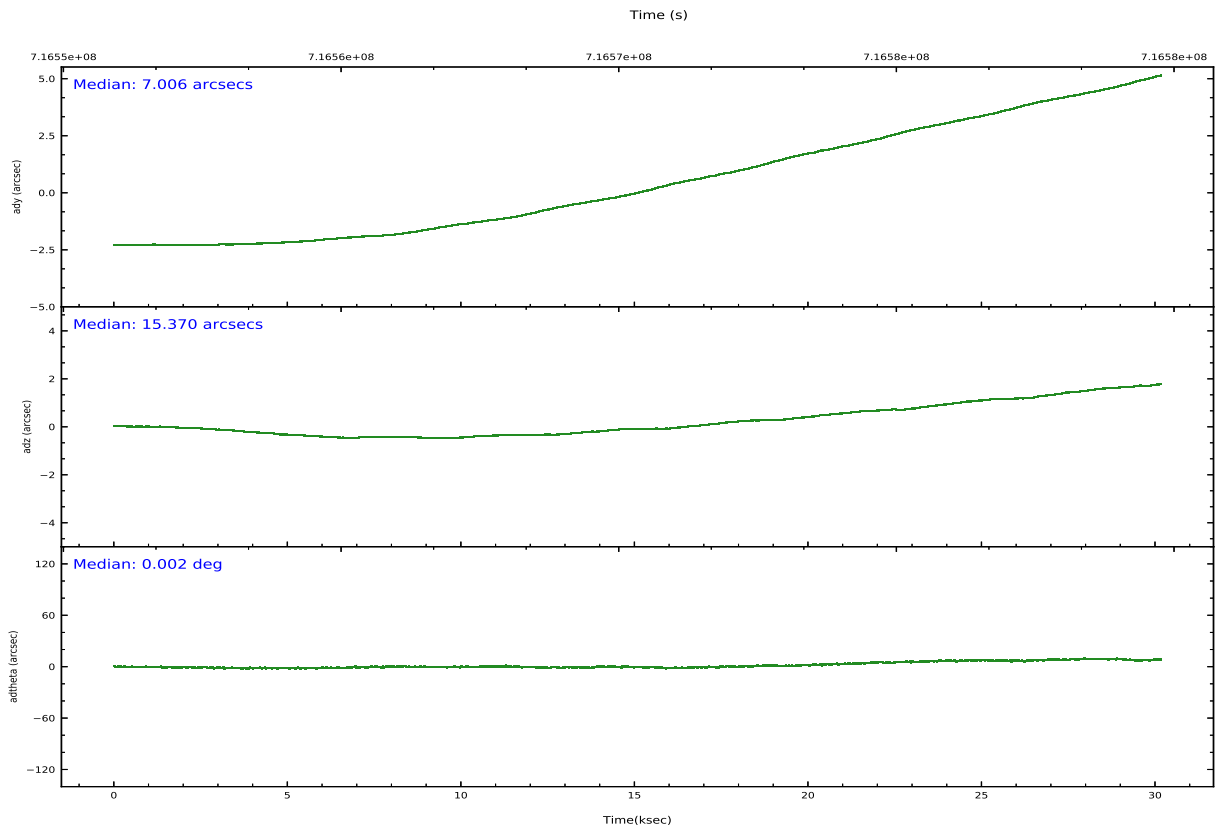
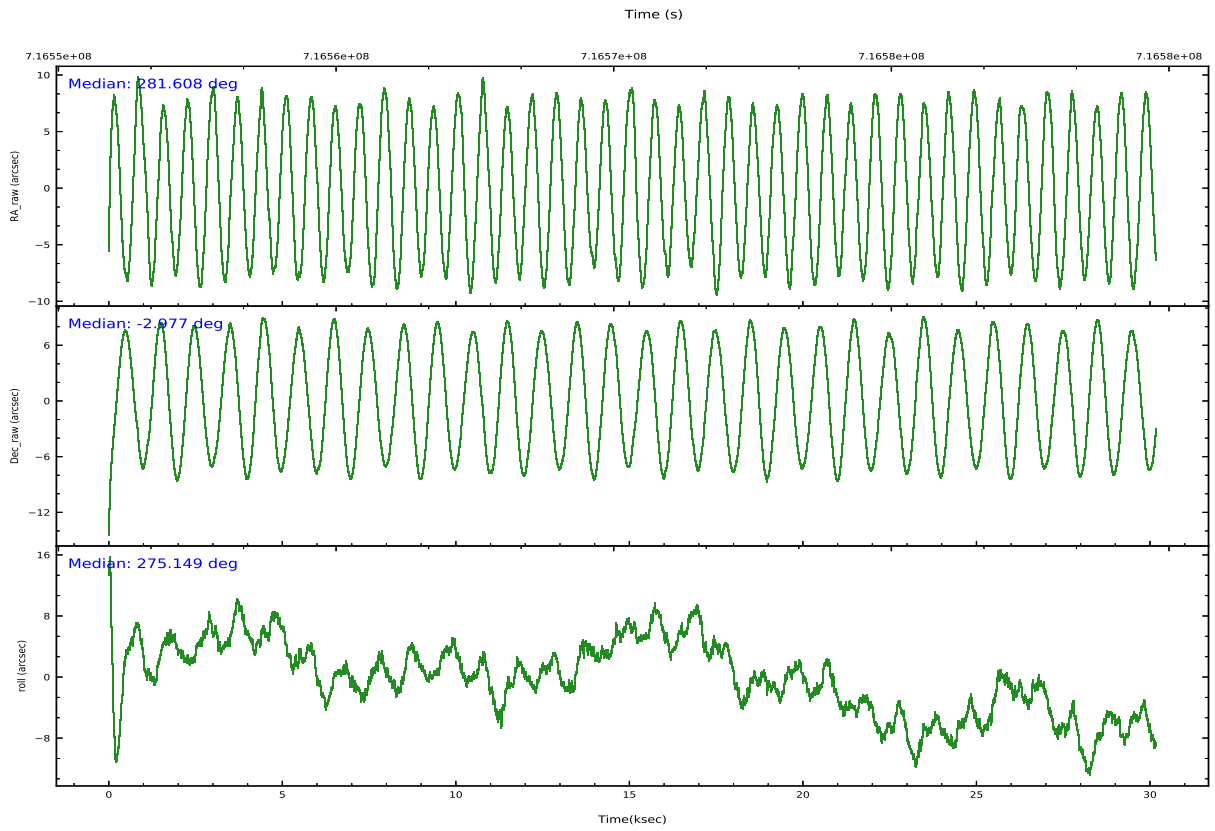
	ccd 7
grade 0 events	8938
	10%
grade 1 events	134
	0%
grade 2 events	13529
	15%
grade 3 events	6487
	7%
grade 4 events	6638
	7%
grade 5 events	5828
	6%
grade 6 events	22762
	26%
grade 7 events	21925
	25%

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	281.591918	281.60336693359	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	-2.954833	-2.9752404940049	Subarray start row	429	429
[deg] Pointing Roll	274.999380	275.14923682649	Subarray row count	166	166
[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	0.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	716553628.184000	716552654.98518			
Observation start date	2020-09-15T10:39:19	2020-09-15T10:24:14			
[s] Observation end time (MET)	716583628.184000	716584459.19963			
Observation end date	2020-09-15T18:59:19	2020-09-15T19:14:19			
Read mode	TIMED	TIMED			

2.3 Aspect





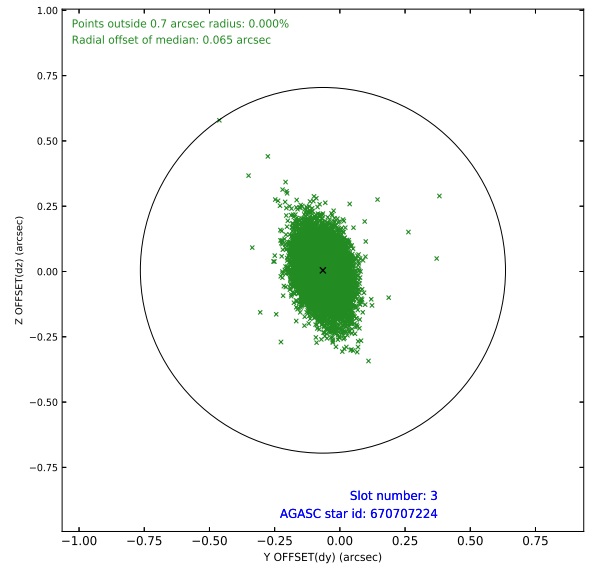
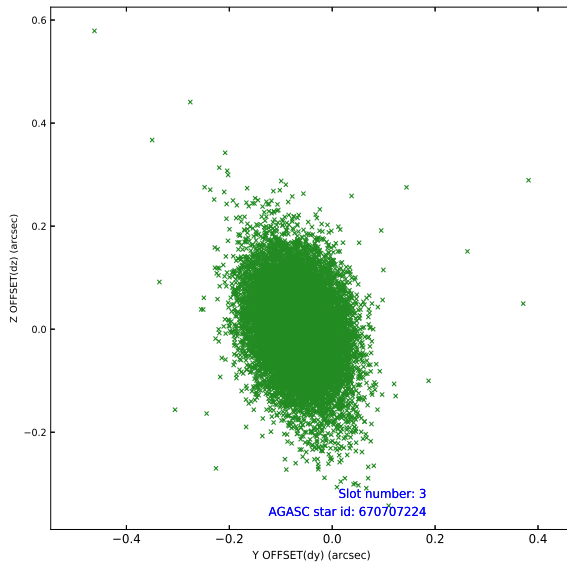
Slot Statistics

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	6.95	7359	1.000	0.108	-0.034	0.046	0.089	0.000000	0.000000	-760.35	-1736
1	FID		ACIS-S-4	7.08	7361	1.000	0.100	-0.045	0.046	0.063	0.000000	0.000000	2153.11	171
2	FID		ACIS-S-5	7.06	7360	1.000	-0.244	0.078	0.033	0.075	0.000000	0.000000	-1813.24	165
3	GUIDE	used	670707224	8.33	14716	1.000	-0.065	0.005	0.092	0.161	281.080260	-2.549994	-1611.42	-1706
4	GUIDE	used	670710320	7.69	14721	1.000	-0.223	-0.004	0.107	0.178	281.093022	-2.489215	-1825.69	-1641
5	GUIDE	used	670714008	9.01	14705	1.000	0.211	-0.098	0.193	0.312	281.129237	-3.153193	567.41	-1718
6	GUIDE	used	670829704	8.57	14702	1.000	0.144	-0.013	0.129	0.214	281.322555	-2.956964	-76.01	-965
7	GUIDE	used	670830264	8.73	14706	1.000	-0.036	0.111	0.130	0.221	281.361536	-3.231556	921.04	-911

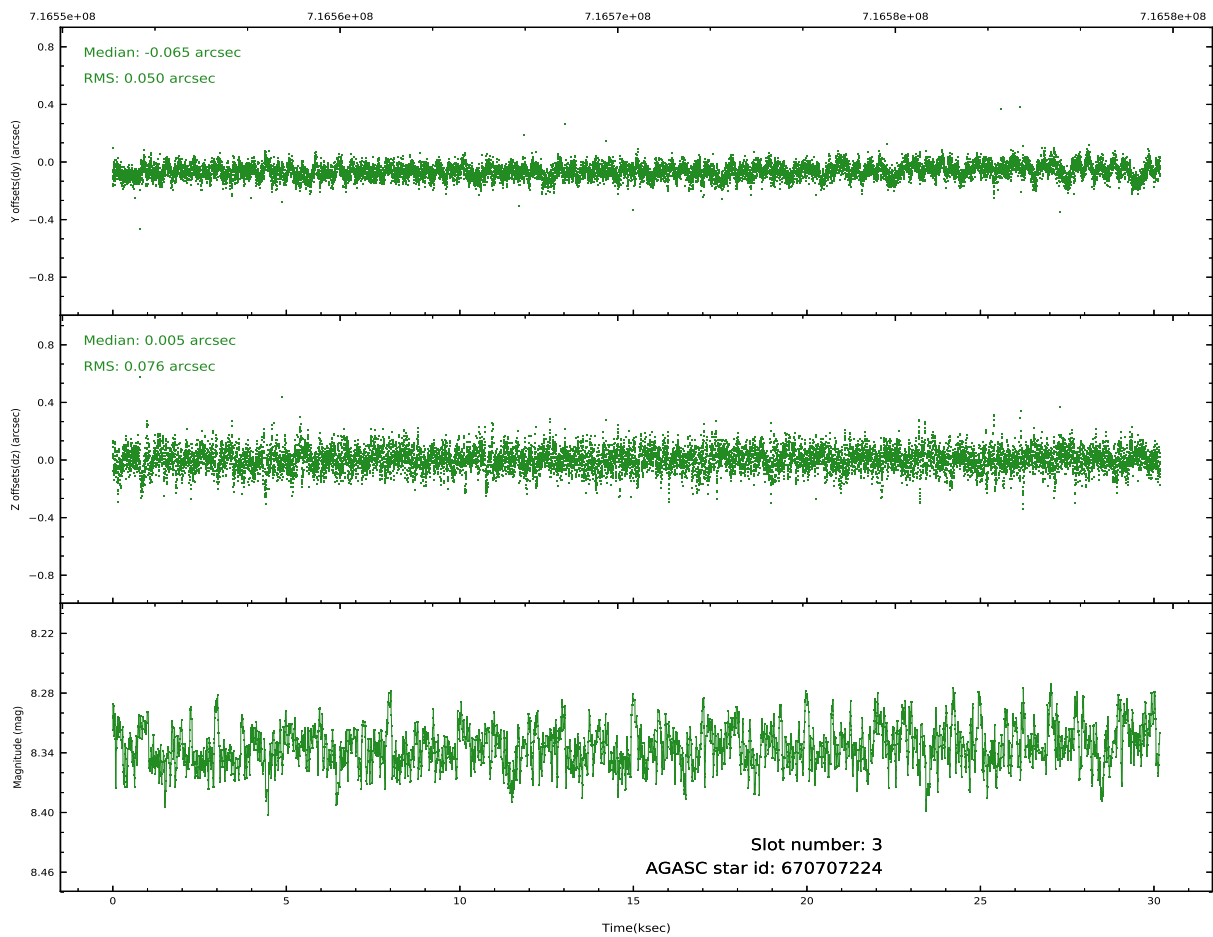
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2.4 Star Slots

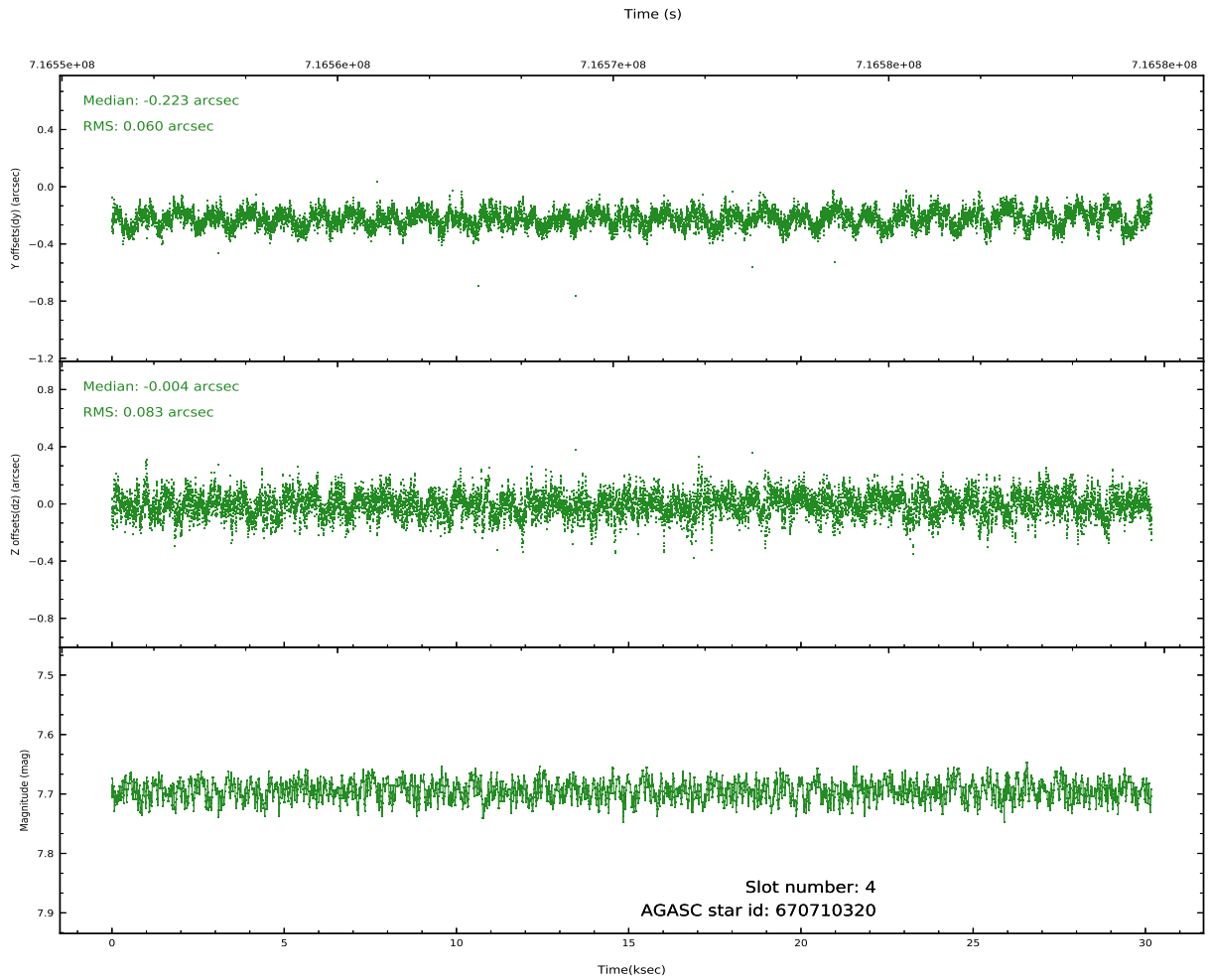
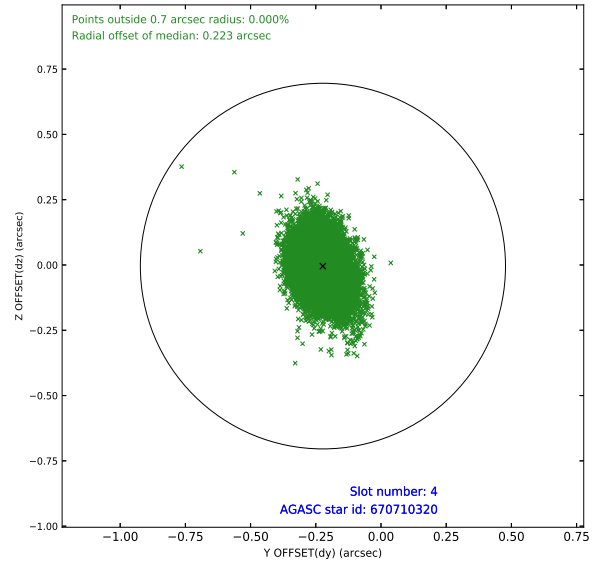
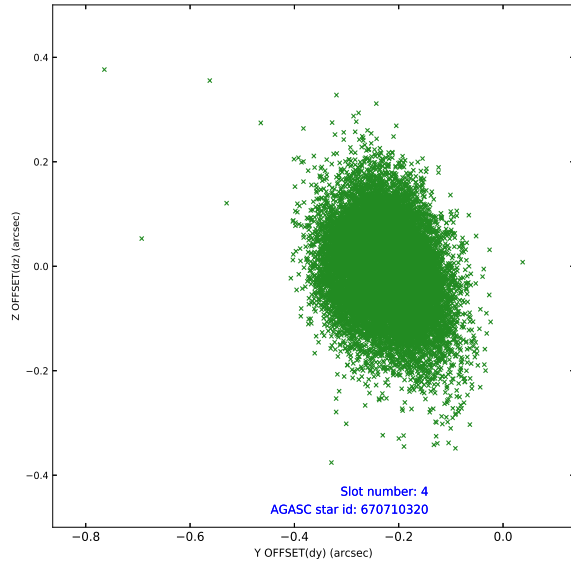
2.4.1 Slot 3



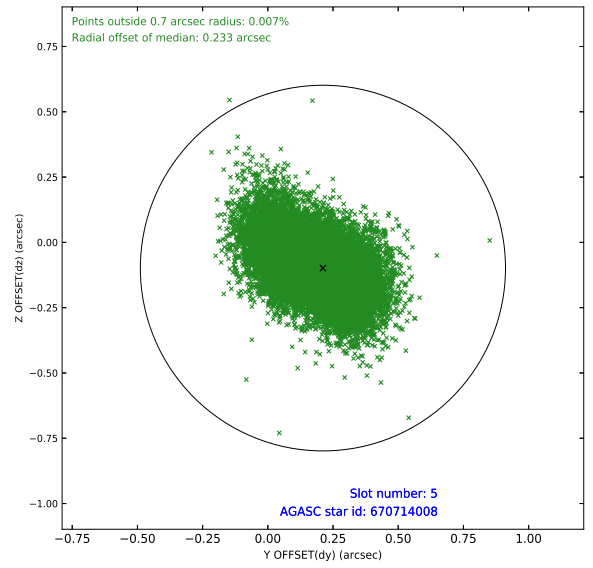
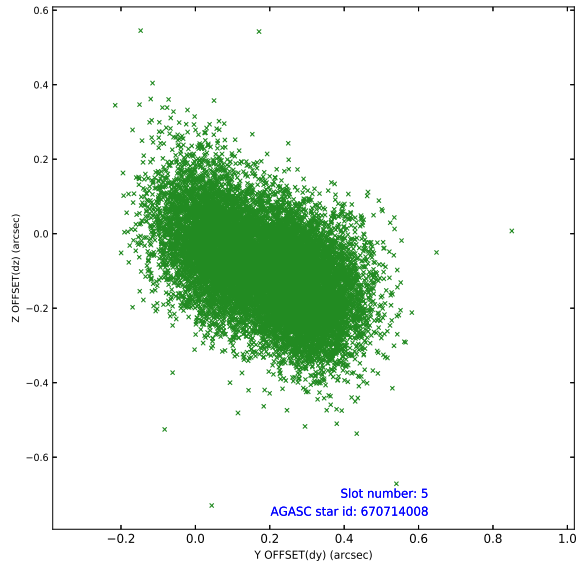
Time (s)



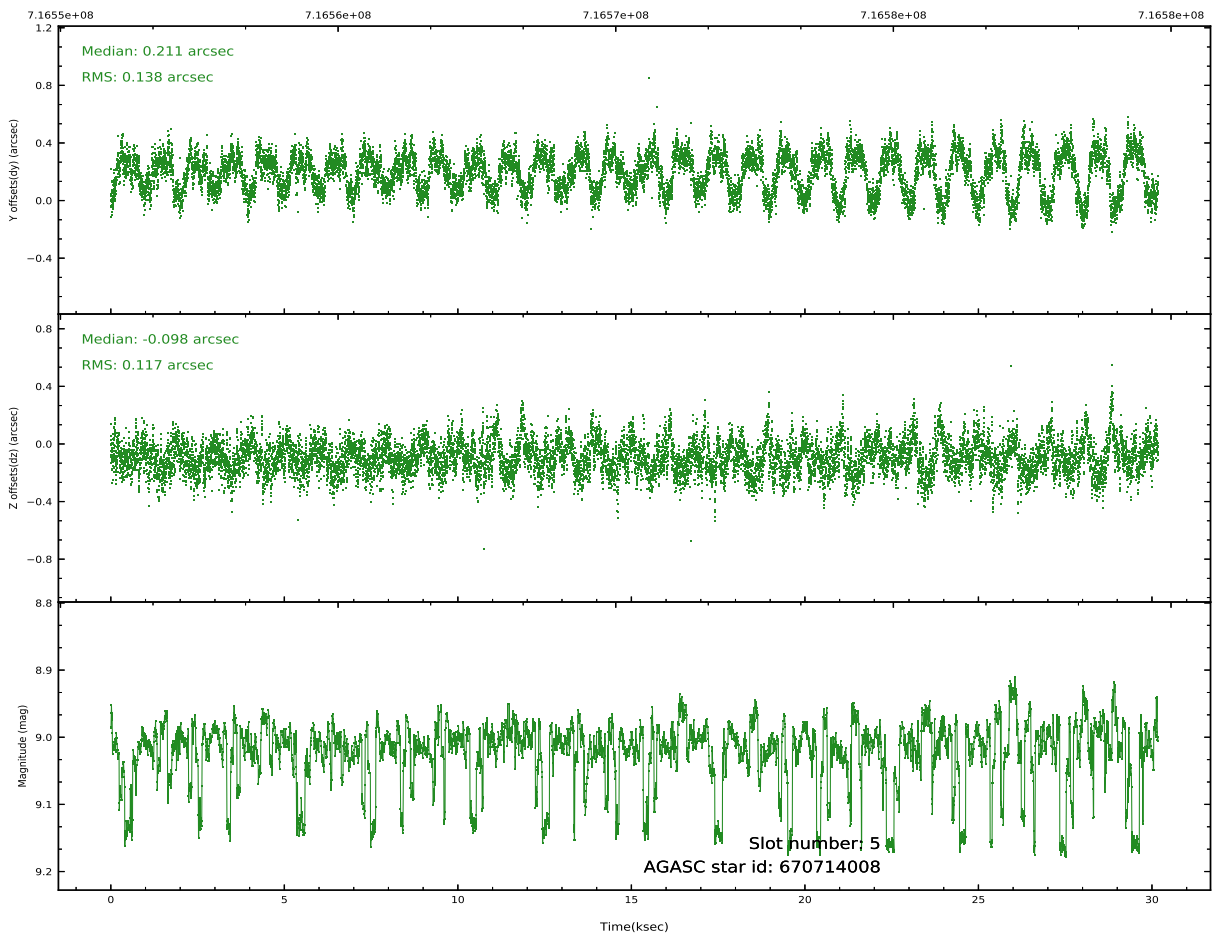
2.4.2 Slot 4



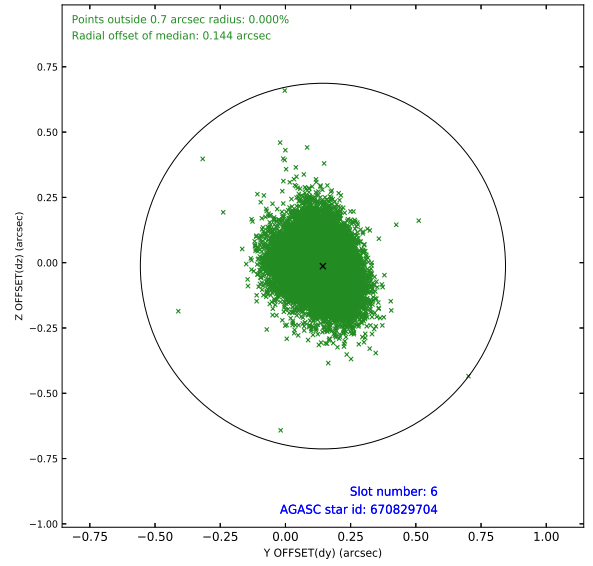
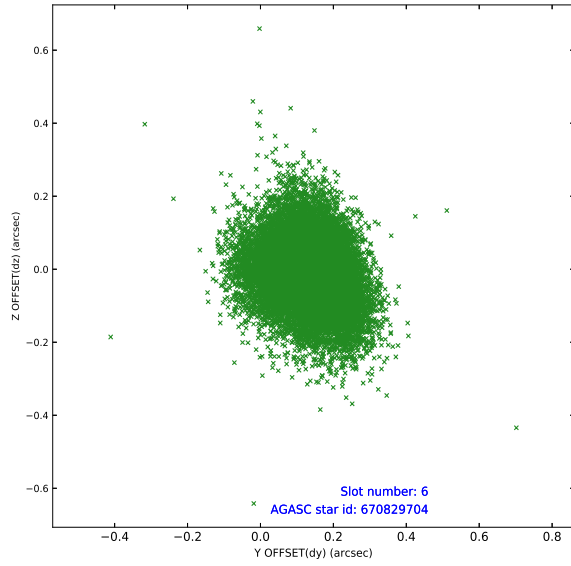
2.4.3 Slot 5



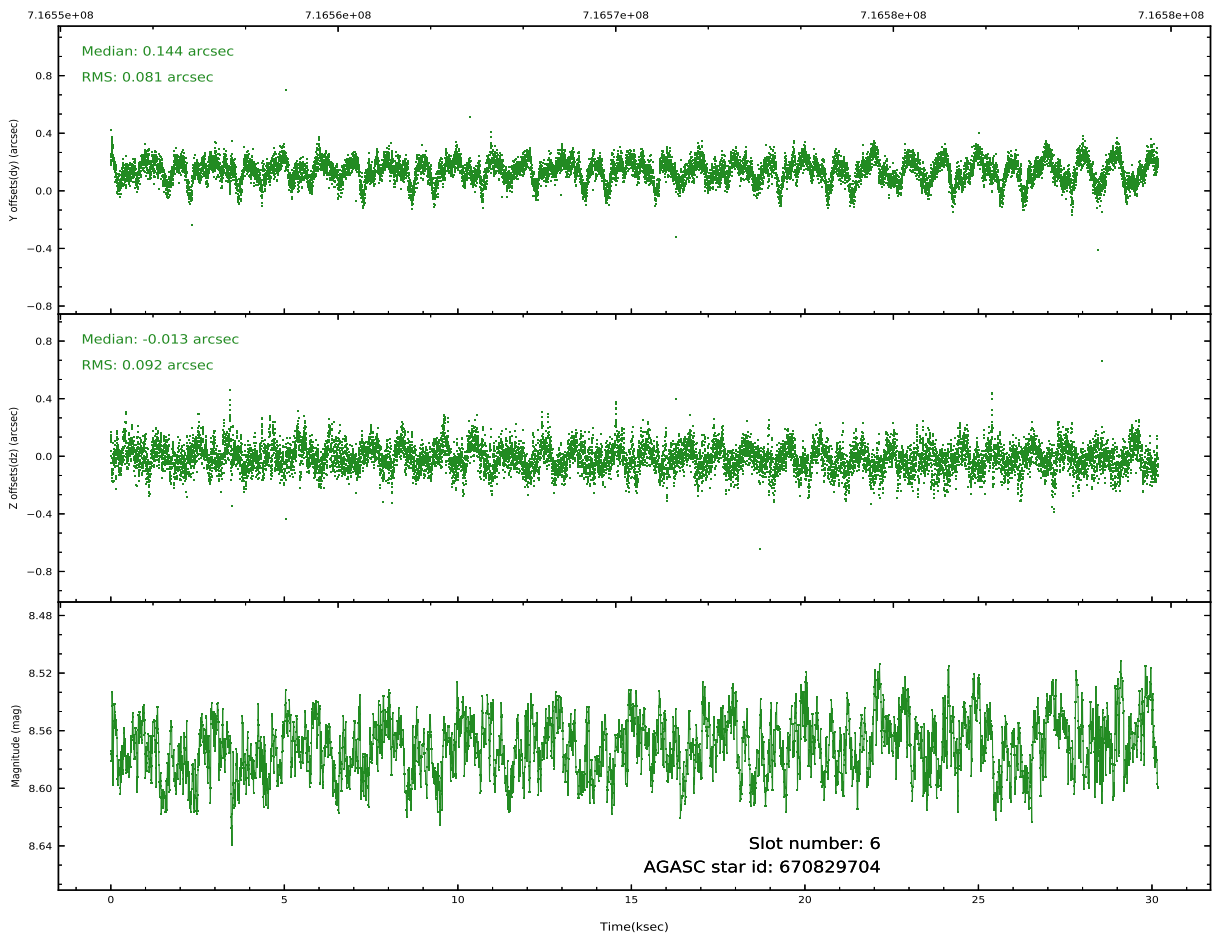
Time (s)



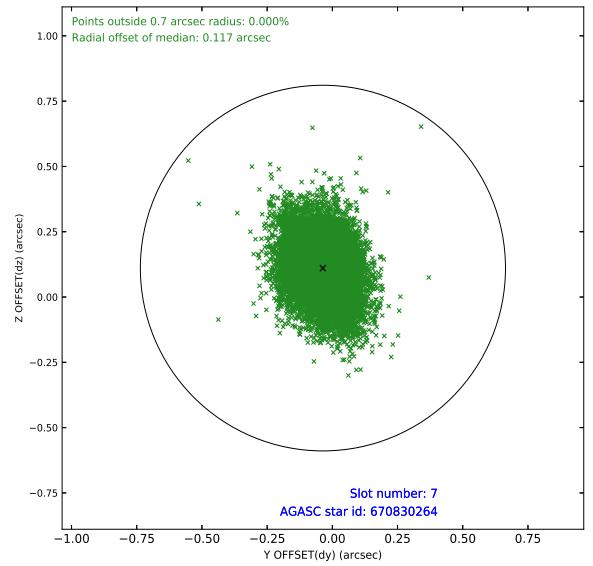
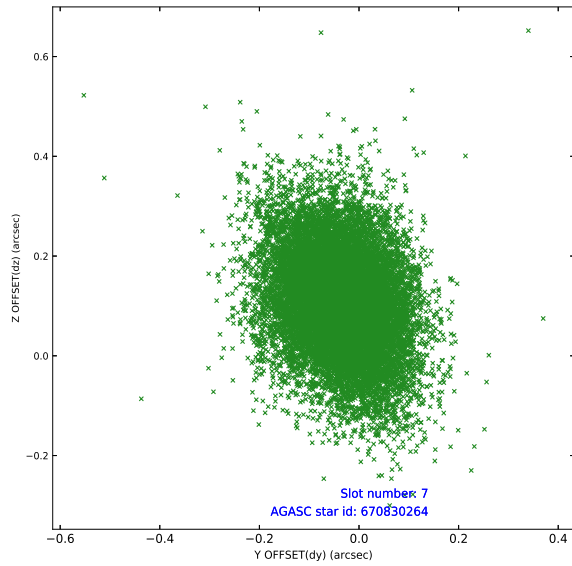
2.4.4 Slot 6



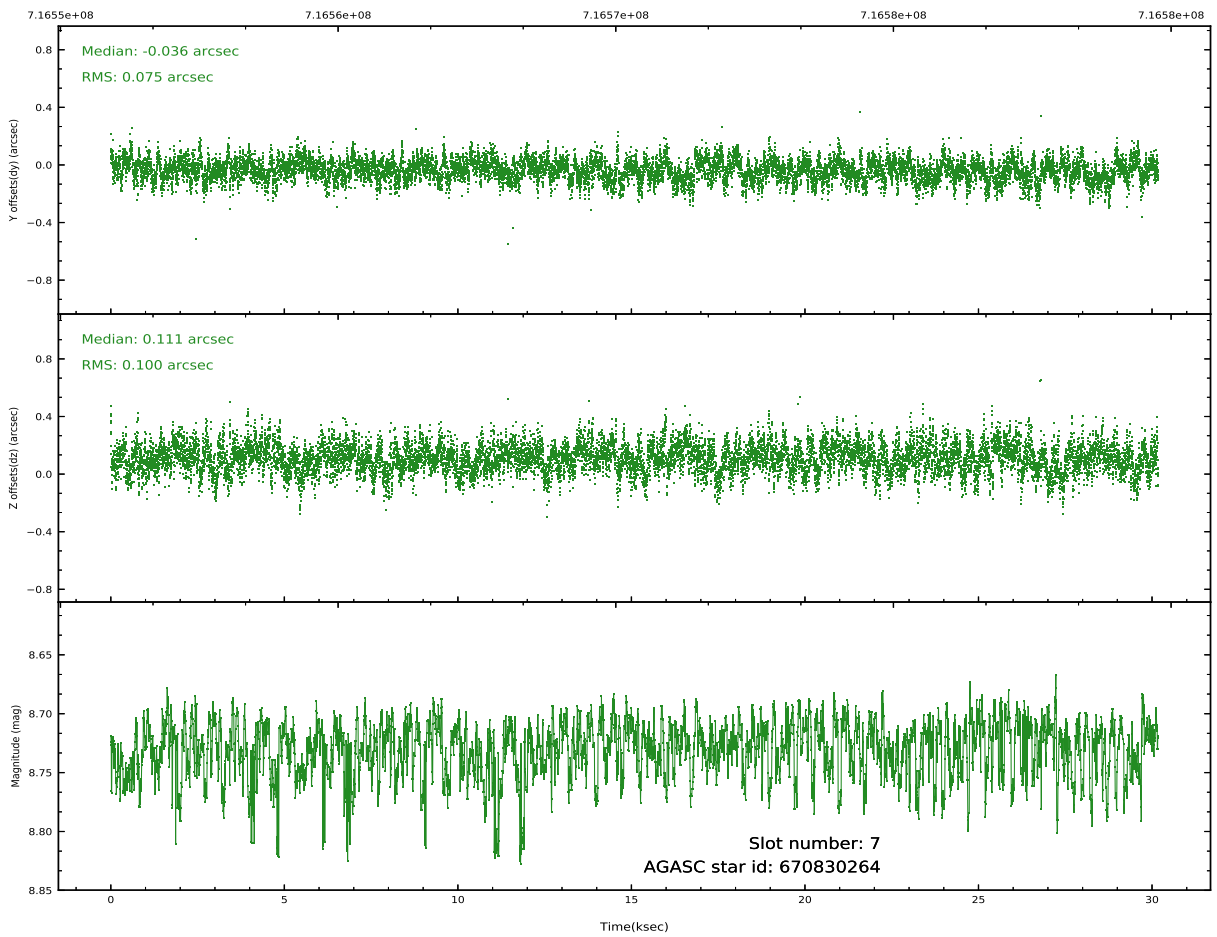
Time (s)



2.4.5 Slot 7

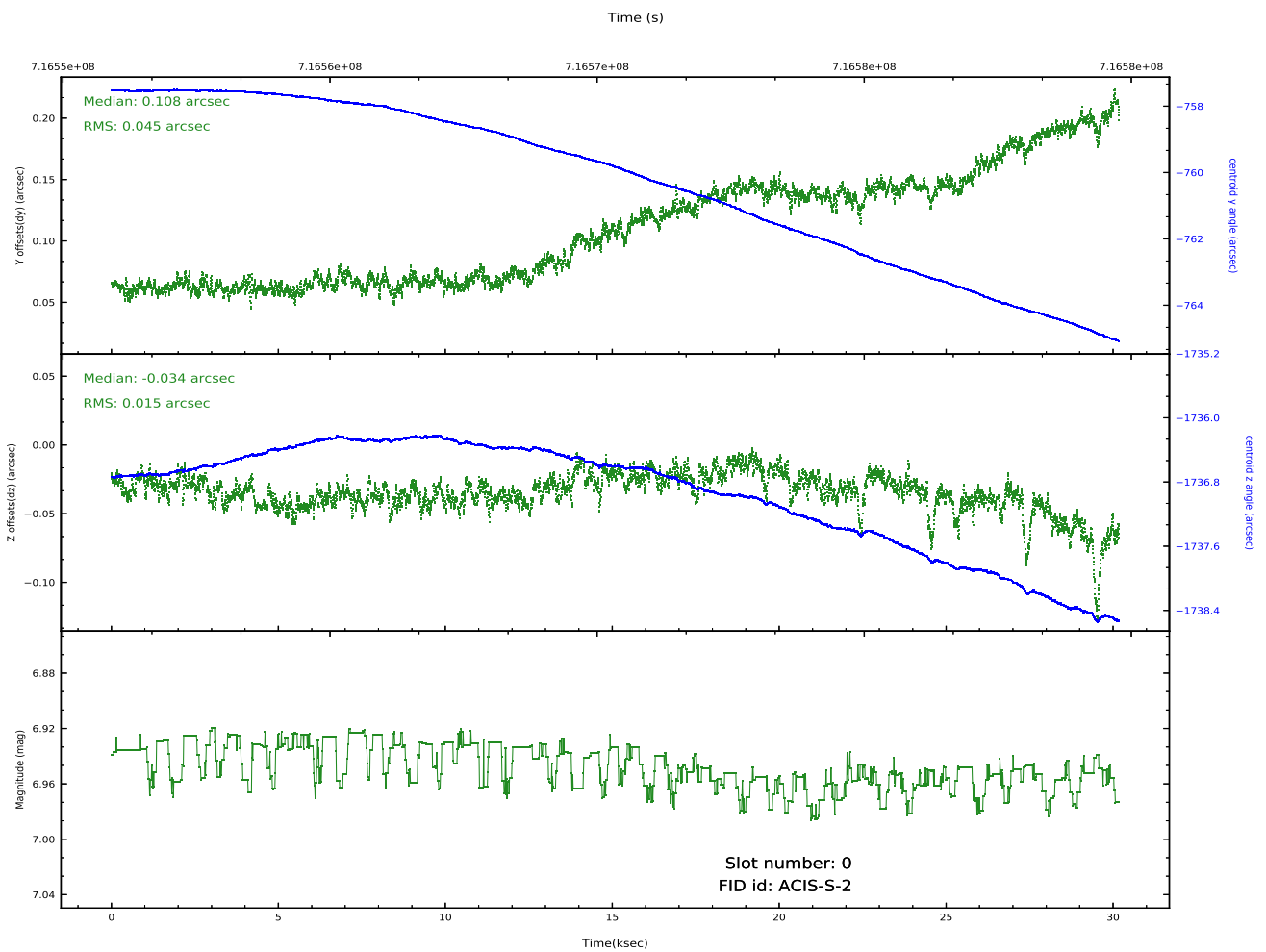
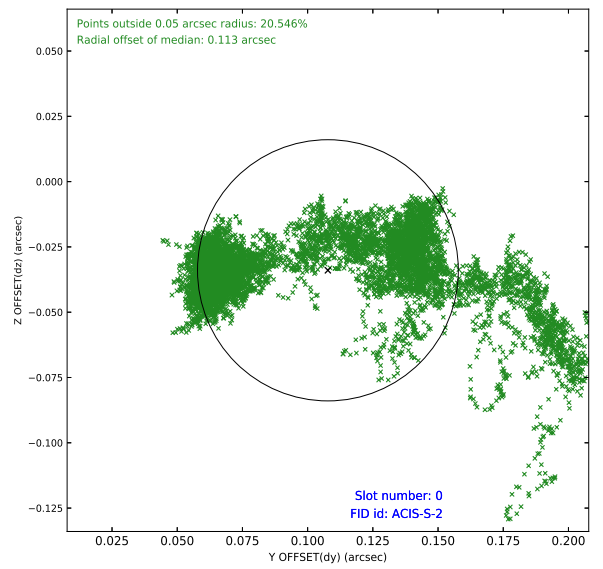
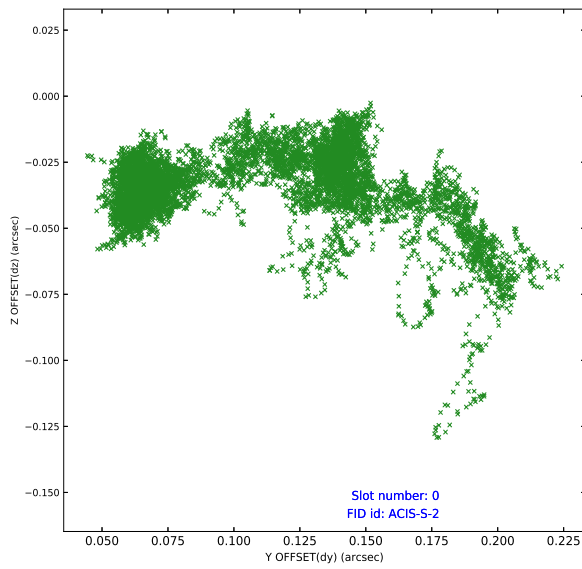


Time (s)

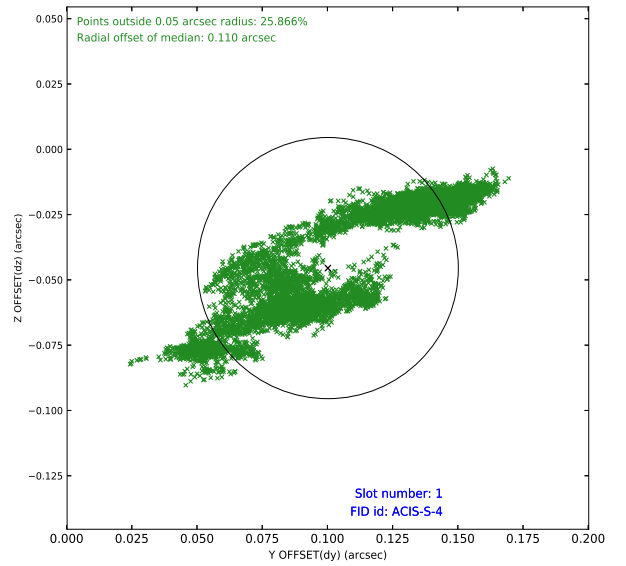
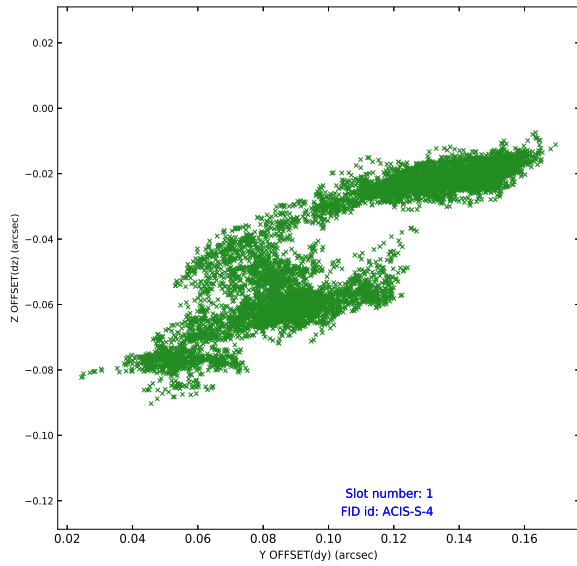


2.5 FID Slots

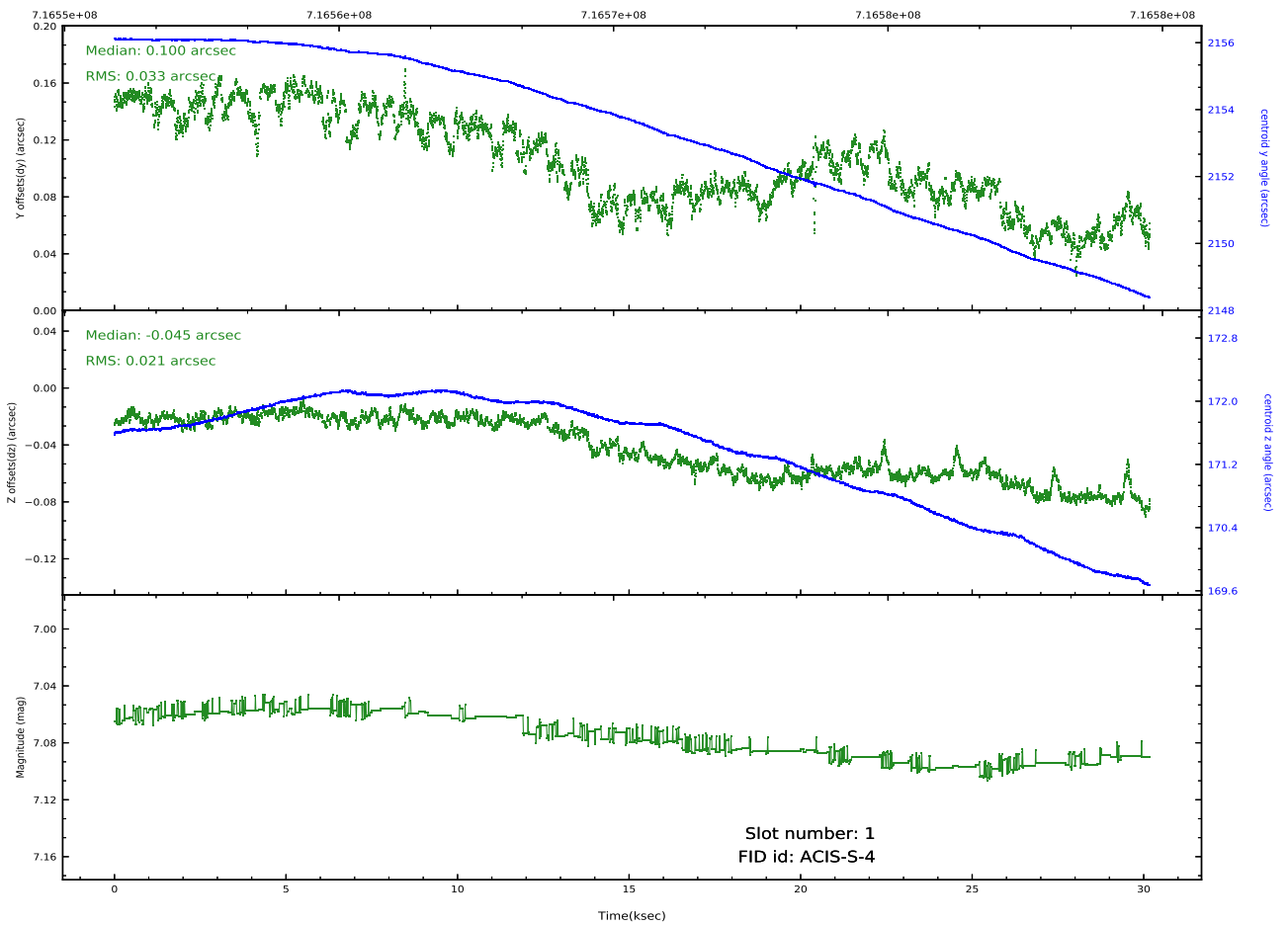
2.5.1 Slot 0



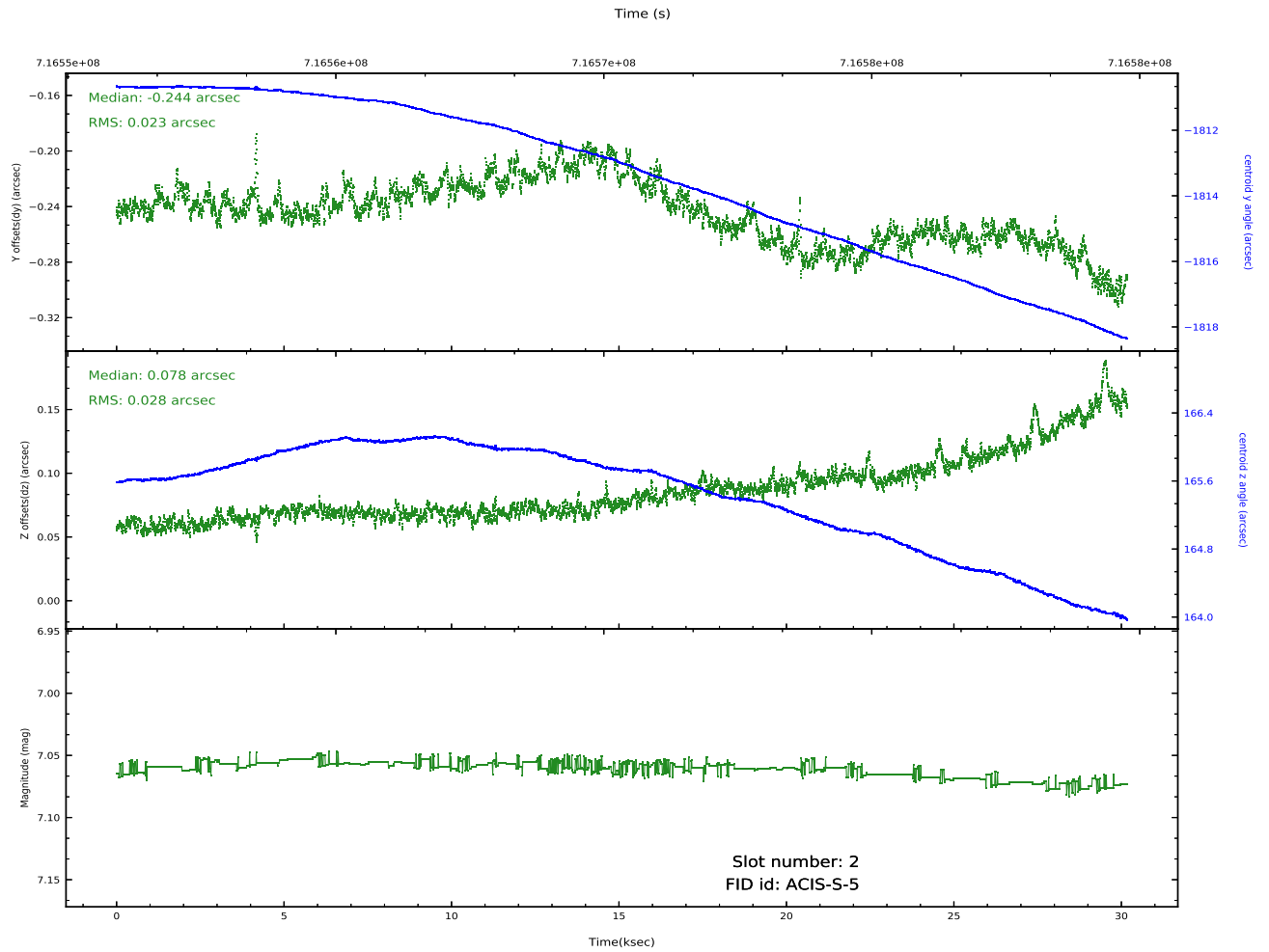
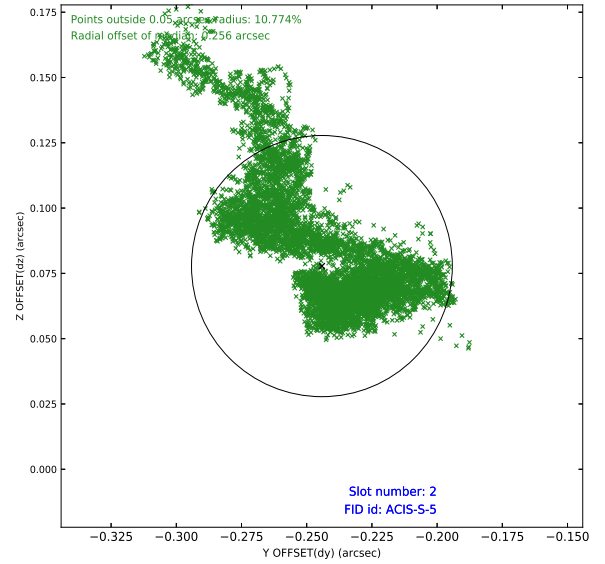
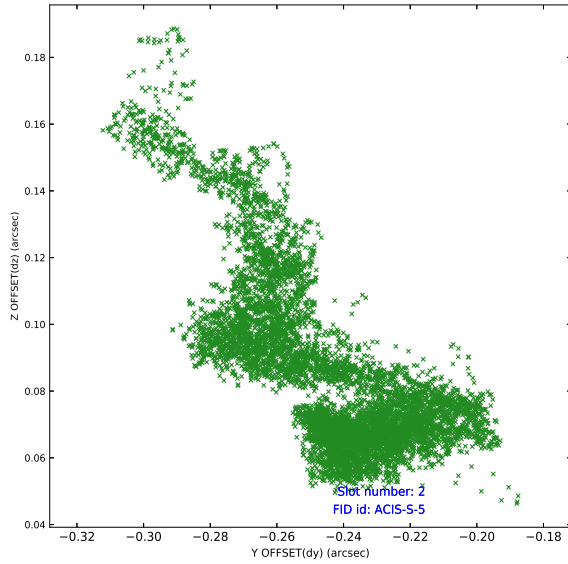
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.054931894302

A.2 Comments