

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4847 - L2 Version 4
Chandra X-Ray Center

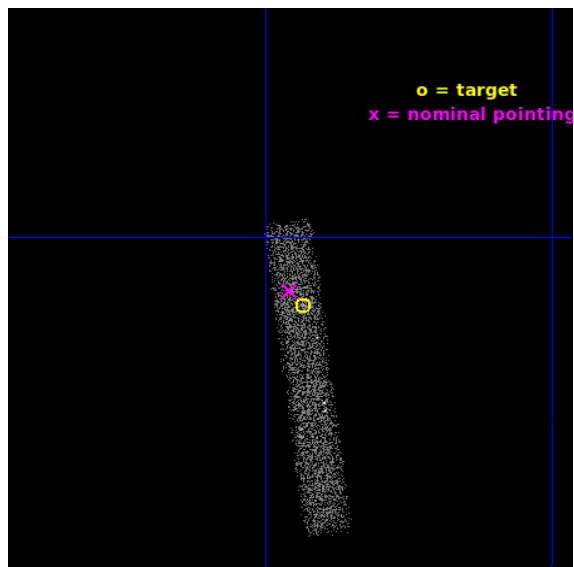
L2 Processing Date : Sep 24 2020

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1 Front

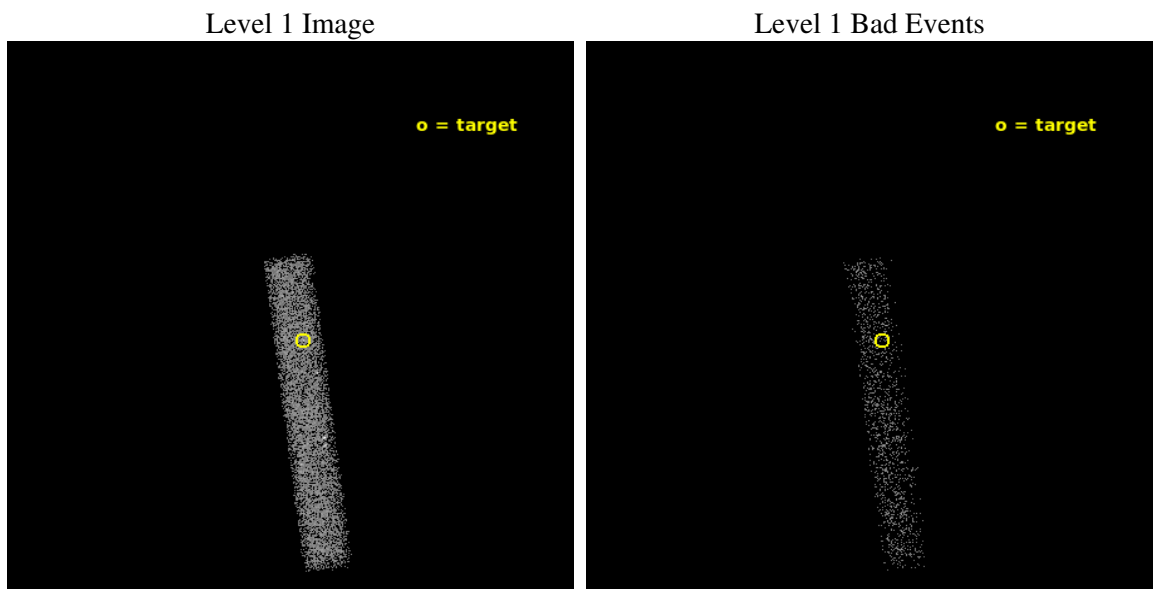
seq_num	700929	Sequence number
obs_id	4847	Observation id
title	Are there any true Seyfert 2 nuclei?	Proposal title
observer	Prof RICHARD POGGE	Principal investigator
object	NGC 5427	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.85875	Observer's specified target RA [deg]
dec_targ	-6.030833	Observer's specified target Dec [deg]
ra_nom	210.86436136656	Nominal RA [deg]
dec_nom	-6.0242335174842	Nominal Dec [deg]
roll_nom	82.87168250128	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9740.8001451194	Sum of GTIs [s]
liveltime	8834.391570034	Livetime [s]
ontime7	9740.8001451194	Sum of GTIs [s]
l2events	5963	Number of level 2 events



2 OBI

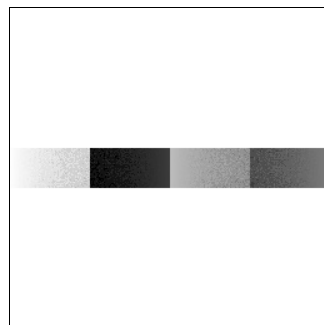
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9600.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9740.8001451194	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	9740.8001451194	Sum of GTIs [s]
date	2020-09-24T11:57:13	Date and time of file creation	l1events	15097	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

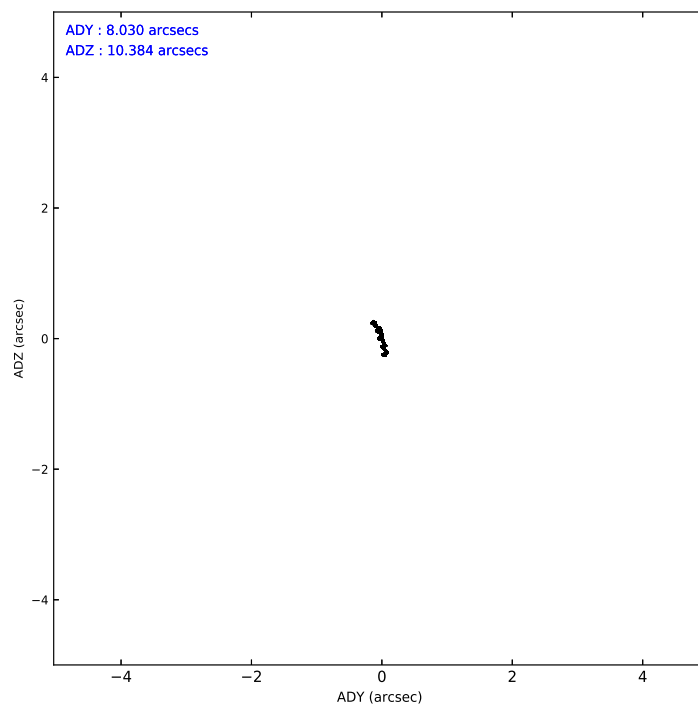
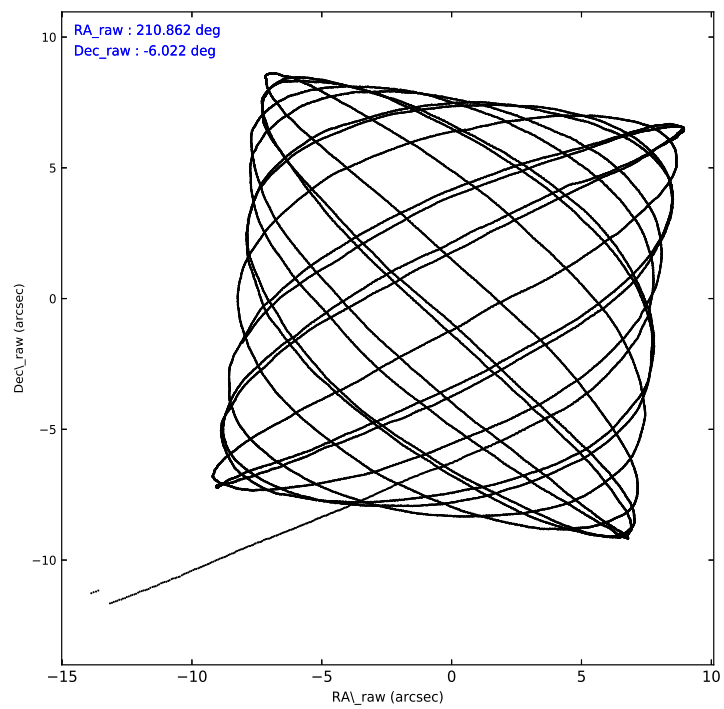
	ccd 7
level 1 events	15097
rejected events	8893
rejected %	58%

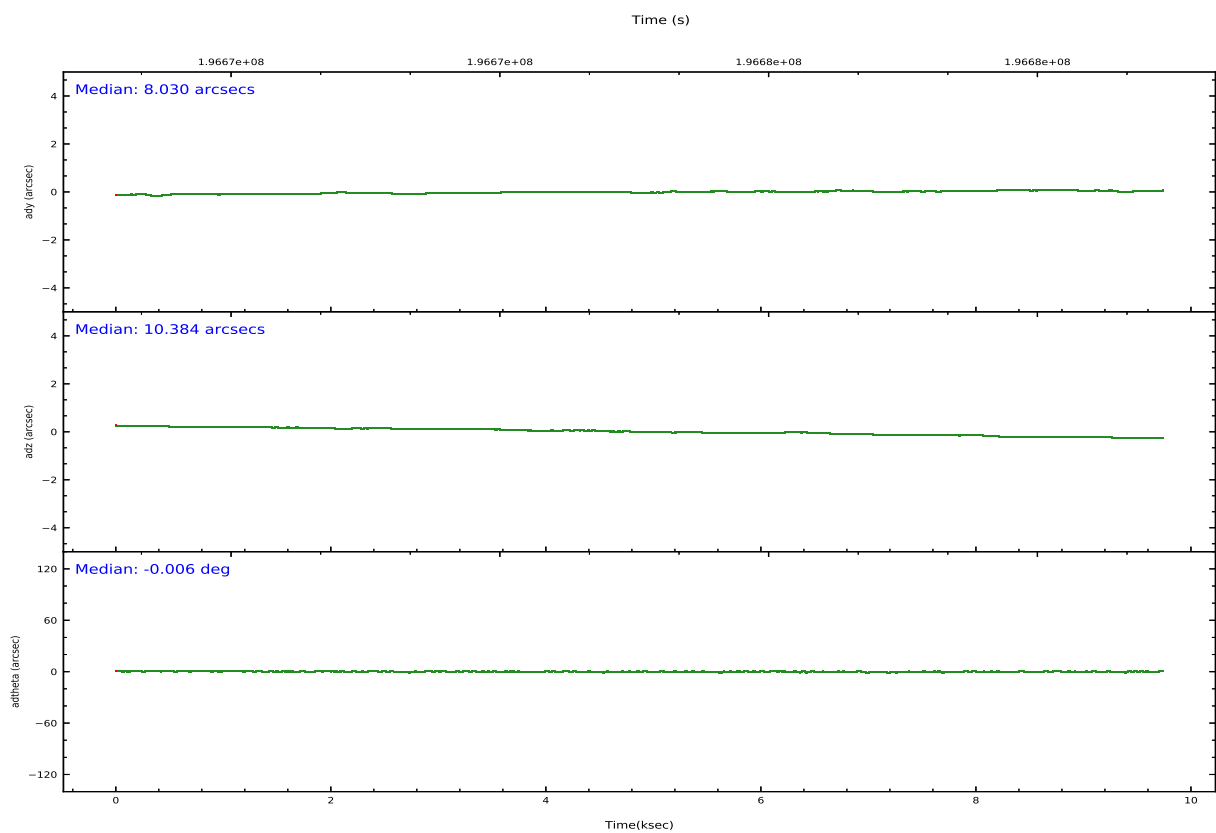
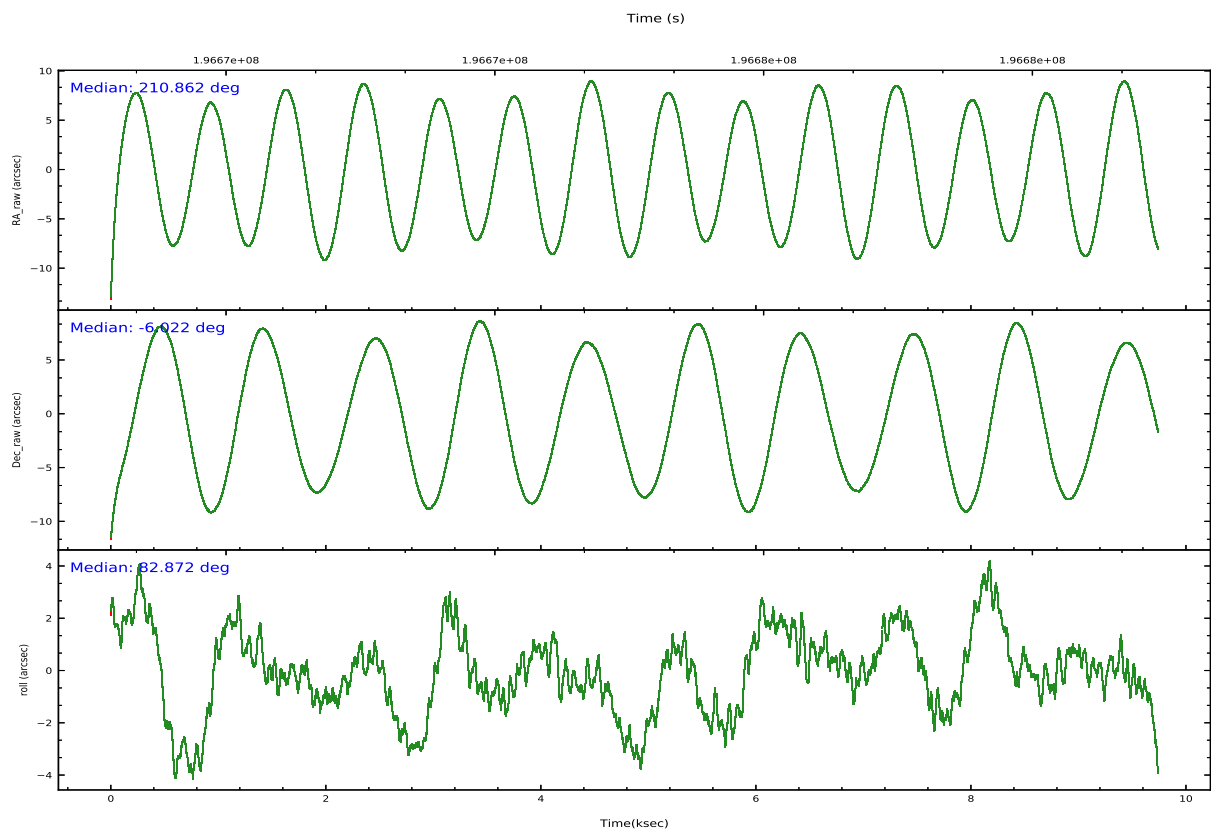
	ccd 7
grade 0 events	1180
	7%
grade 1 events	13
	0%
grade 2 events	1529
	10%
grade 3 events	1031
	6%
grade 4 events	1005
	6%
grade 5 events	1238
	8%
grade 6 events	3307
	21%
grade 7 events	5794
	38%

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	210.872614	210.86436136656	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-6.046534	-6.0242335174842	Subarray start row	449	449
[deg] Pointing Roll	82.716152	82.87168250128001	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)	196669070.184000	196668038.72006			
Observation start date	2004-03-26T06:16:46	2004-03-26T06:00:38			
[s] Observation end time (MET)	196678670.184000	196679189.18305			
Observation end date	2004-03-26T08:56:46	2004-03-26T09:06:29			
Read mode	TIMED	TIMED			

2.3 Aspect



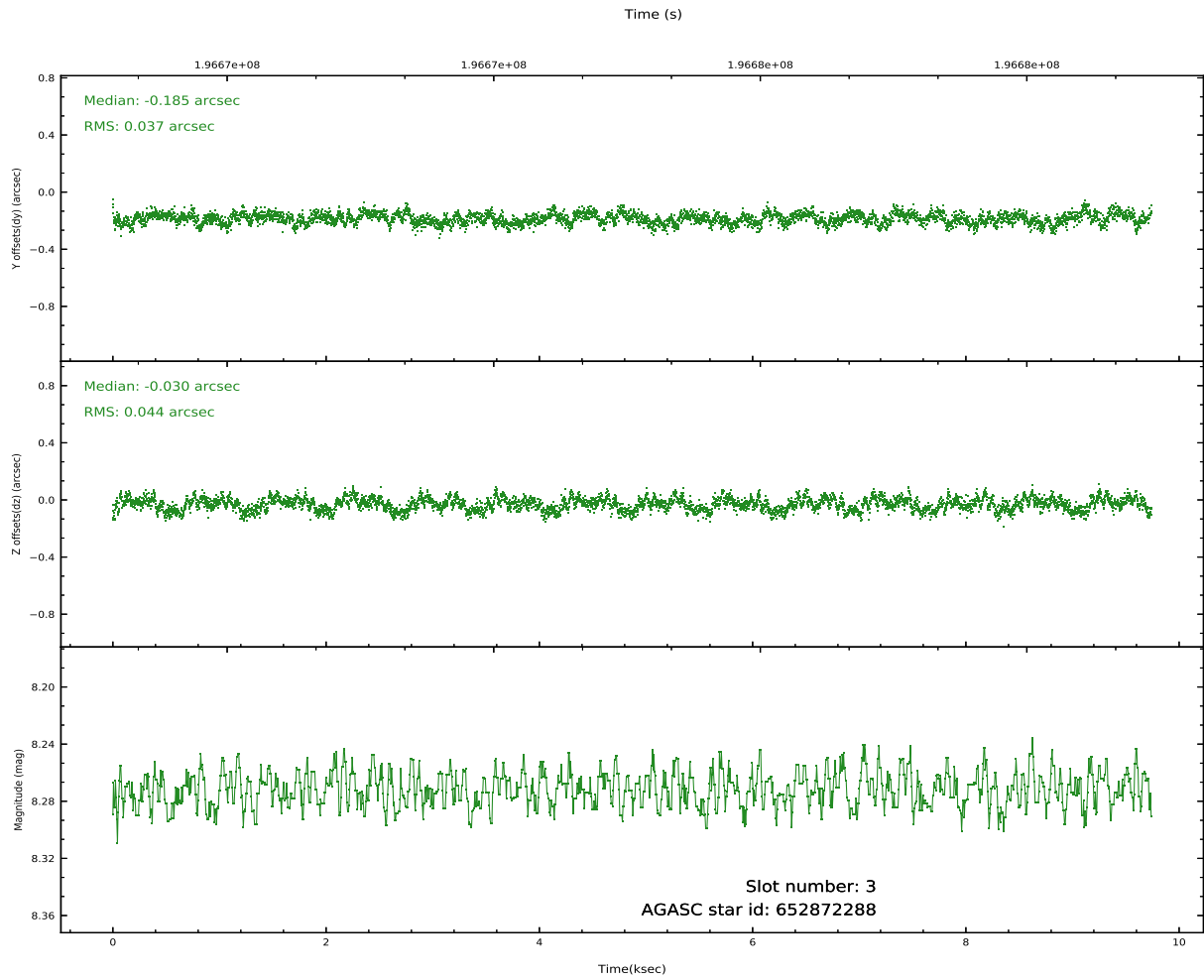
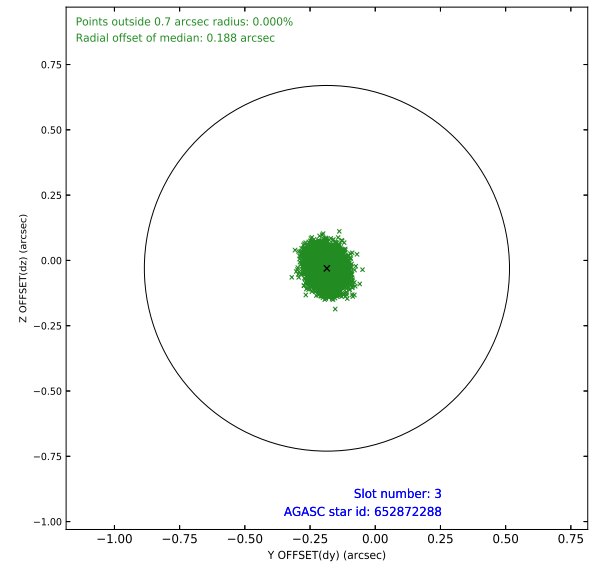
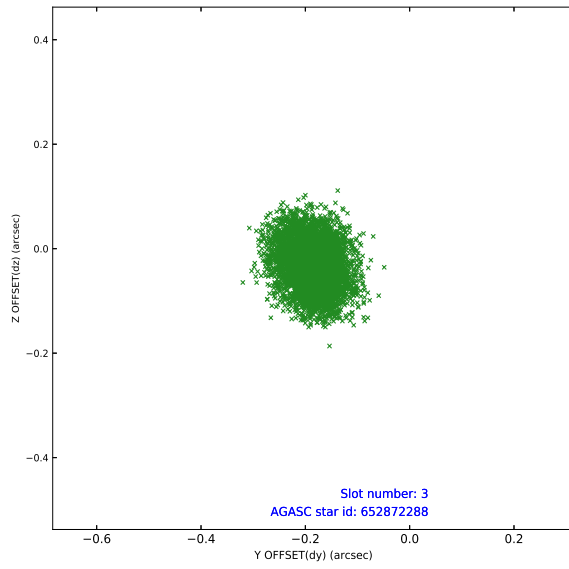


Slot Statistics

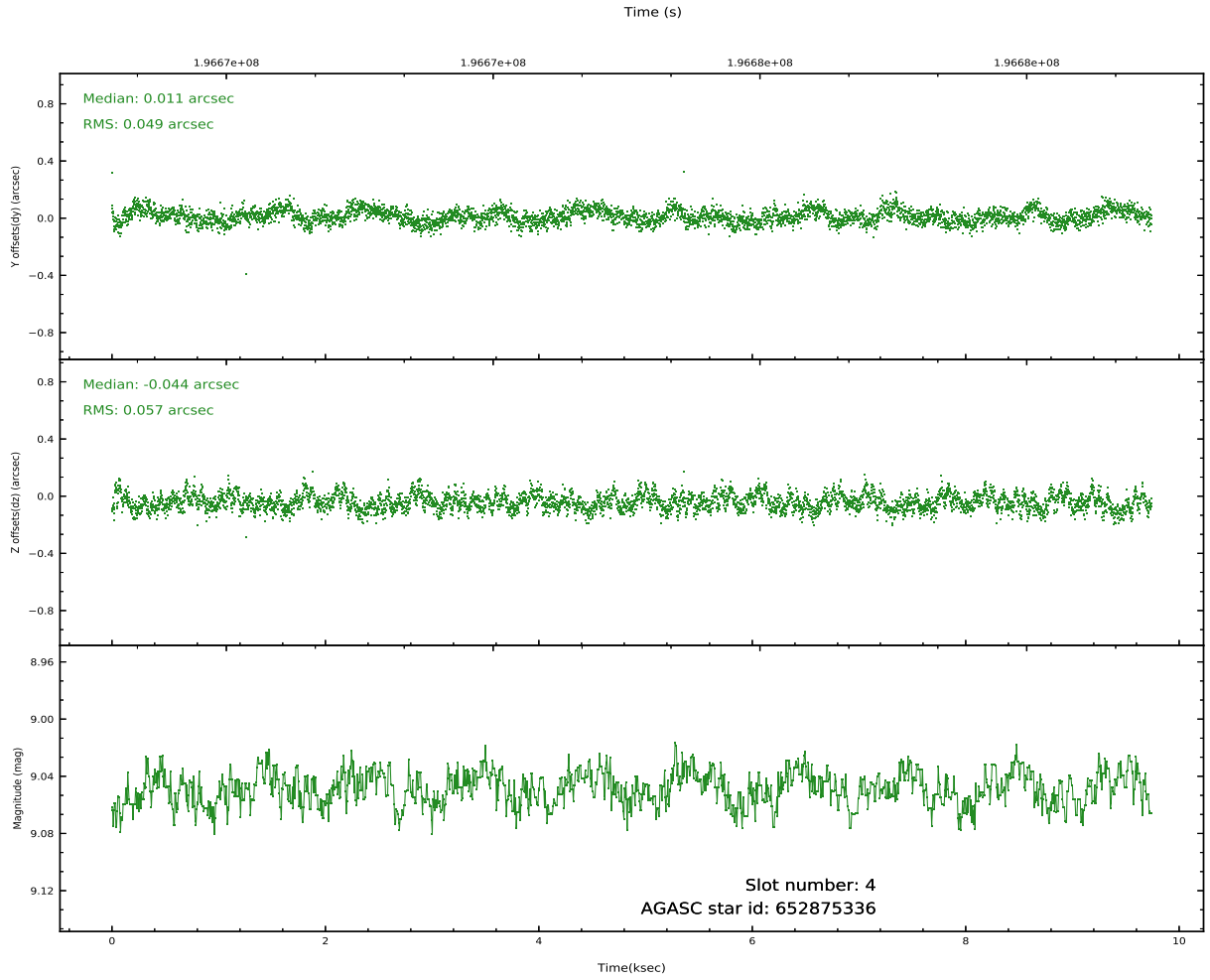
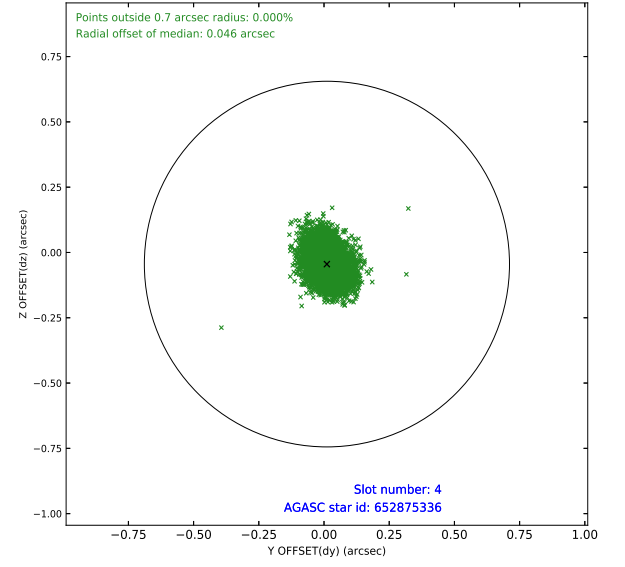
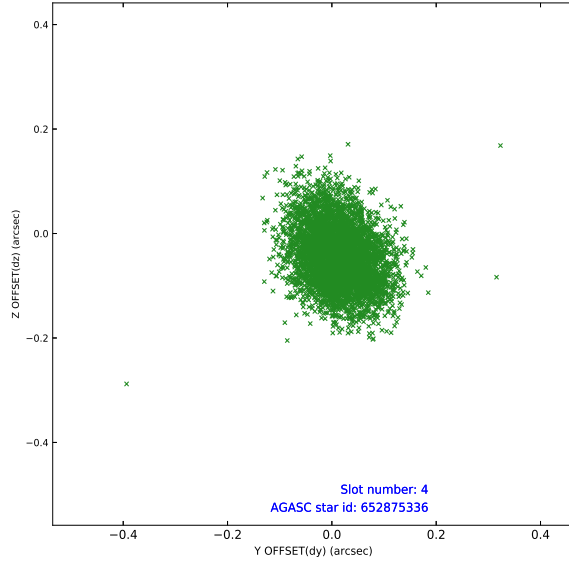
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	2377	1.000	0.051	-0.078	0.011	0.019	0.000000	0.000000	935.32	-1727
1	FID		ACIS-S-5	7.23	2377	1.000	-0.106	0.022	0.007	0.012	0.000000	0.000000	-1813.55	169
2	FID		ACIS-S-6	7.34	2377	1.000	0.034	0.069	0.011	0.019	0.000000	0.000000	400.23	814
3	GUIDE	used	652872288	8.27	4752	1.000	-0.185	-0.030	0.062	0.098	210.432093	-5.666348	1156.67	1739
4	GUIDE	used	652875336	9.05	4752	1.000	0.011	-0.044	0.079	0.127	211.218548	-6.393524	-1082.19	-1385
5	GUIDE	used	652876744	8.80	4752	1.000	-0.020	-0.021	0.086	0.131	211.158065	-5.829012	906.02	-914
6	GUIDE	used	652877784	8.24	4752	1.000	0.034	-0.108	0.060	0.101	210.274280	-6.471844	-1791.43	1928
7	GUIDE	used	652875048	10.43	4744	1.000	0.163	0.204	0.158	0.264	210.860106	-6.702566	-2348.46	-254

2.4 Star Slots

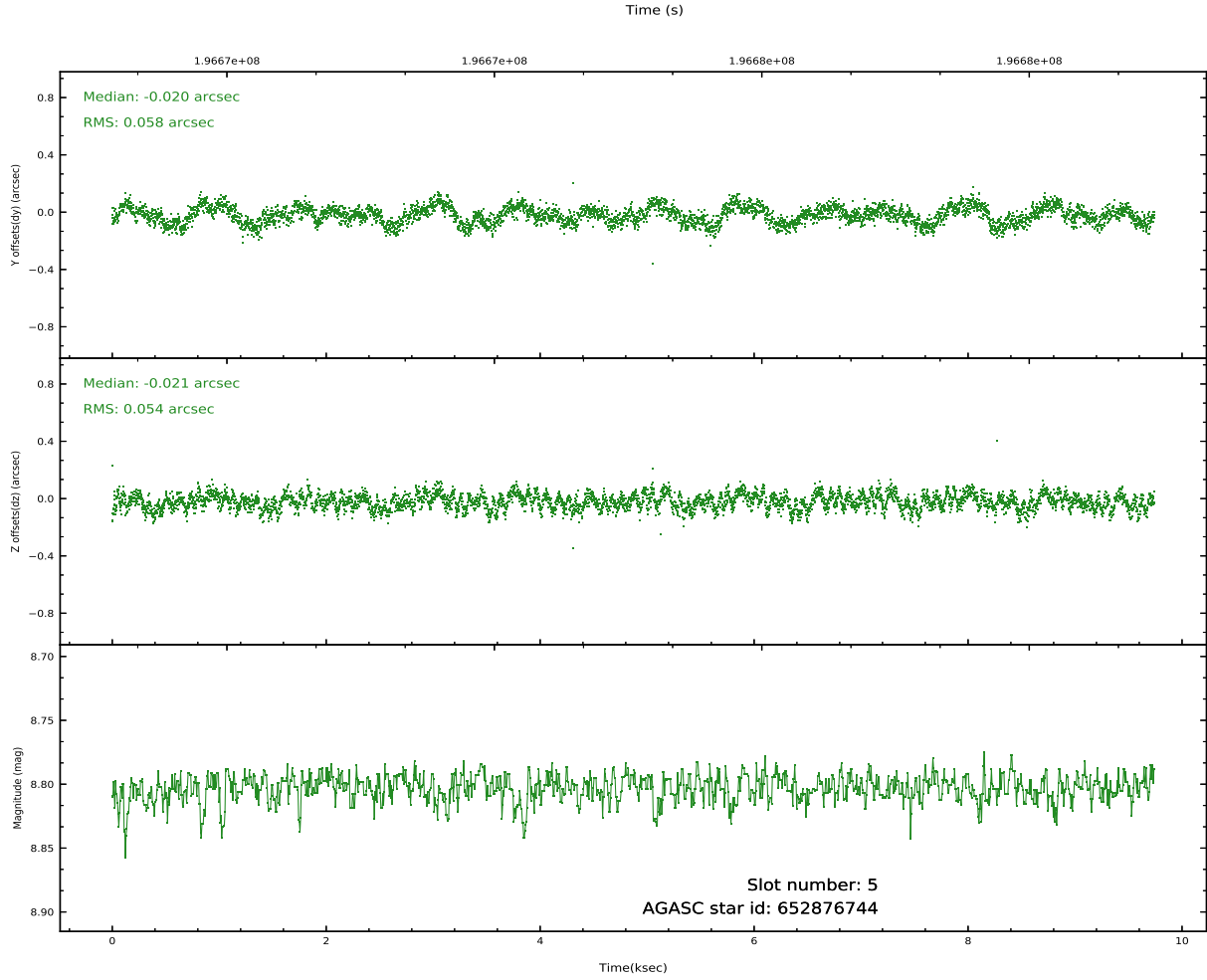
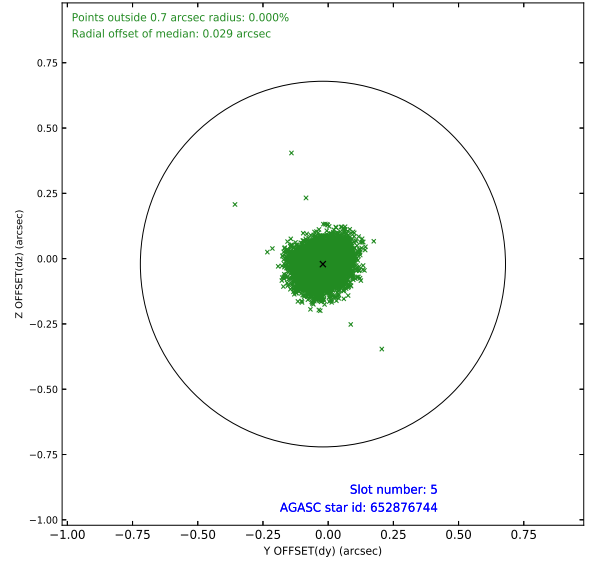
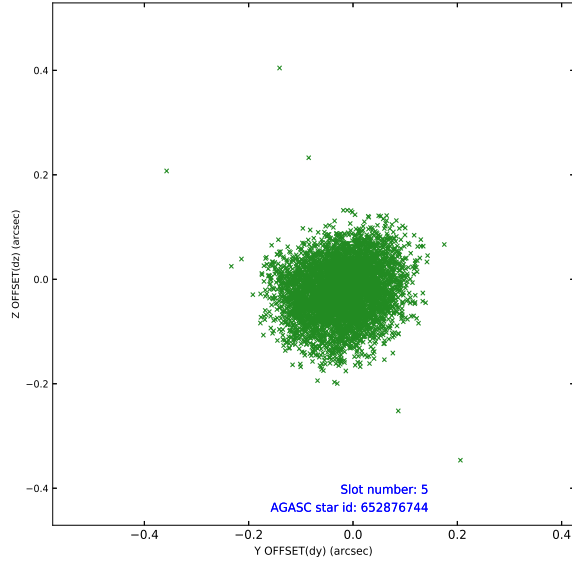
2.4.1 Slot 3



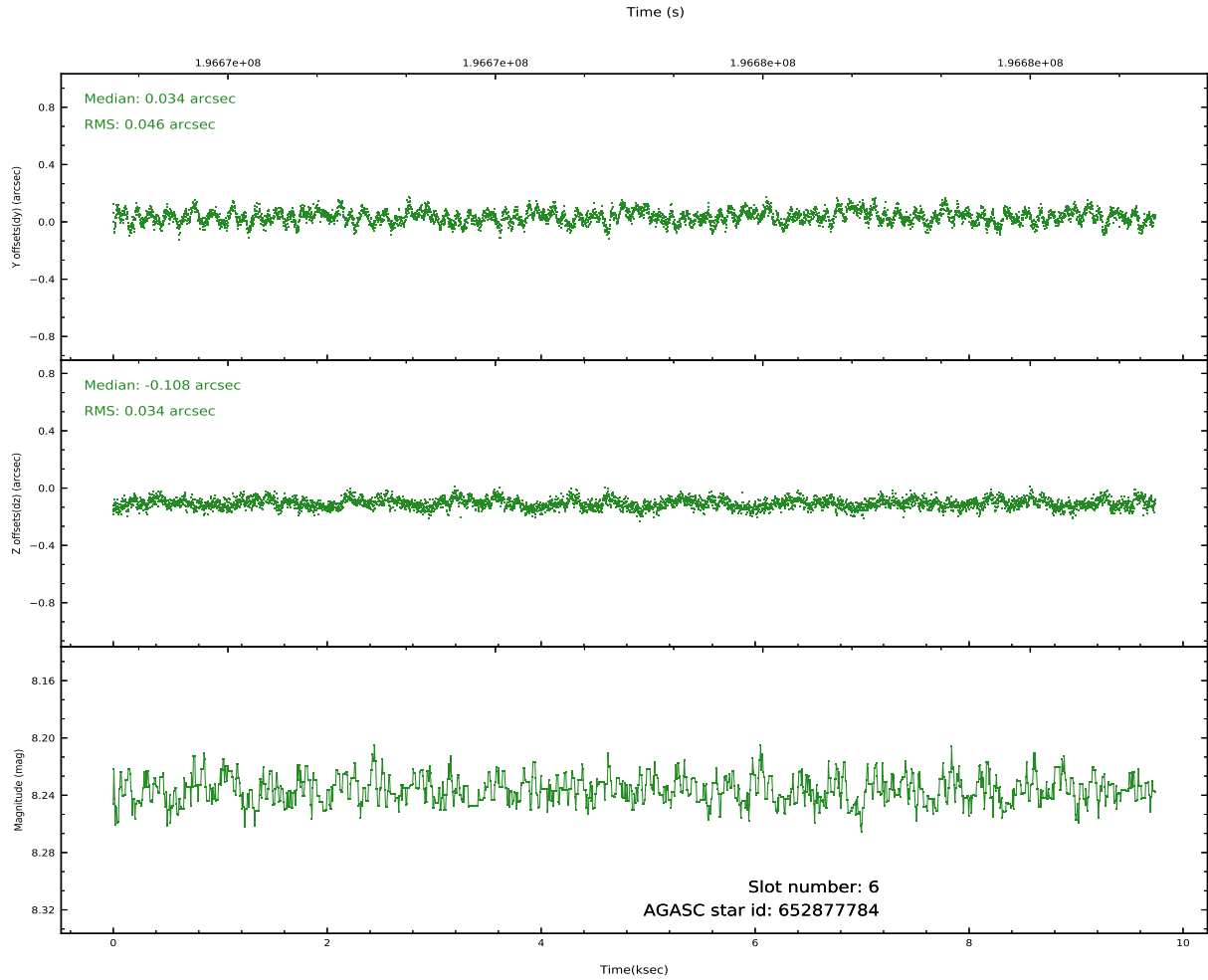
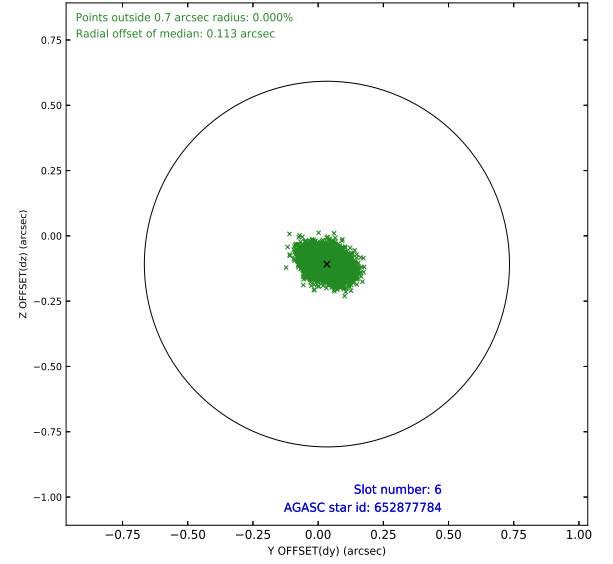
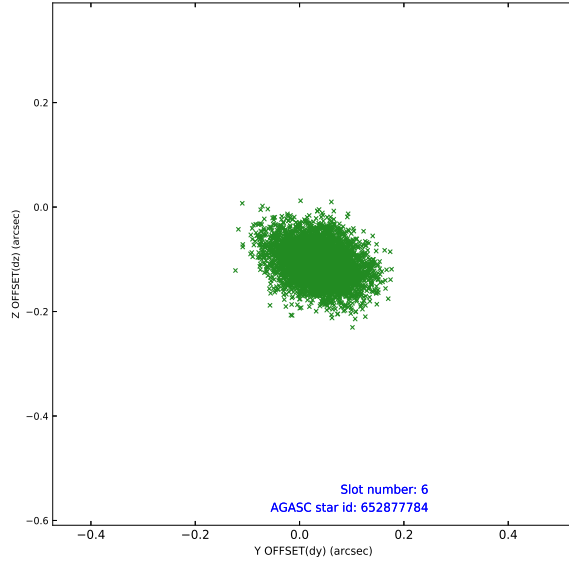
2.4.2 Slot 4



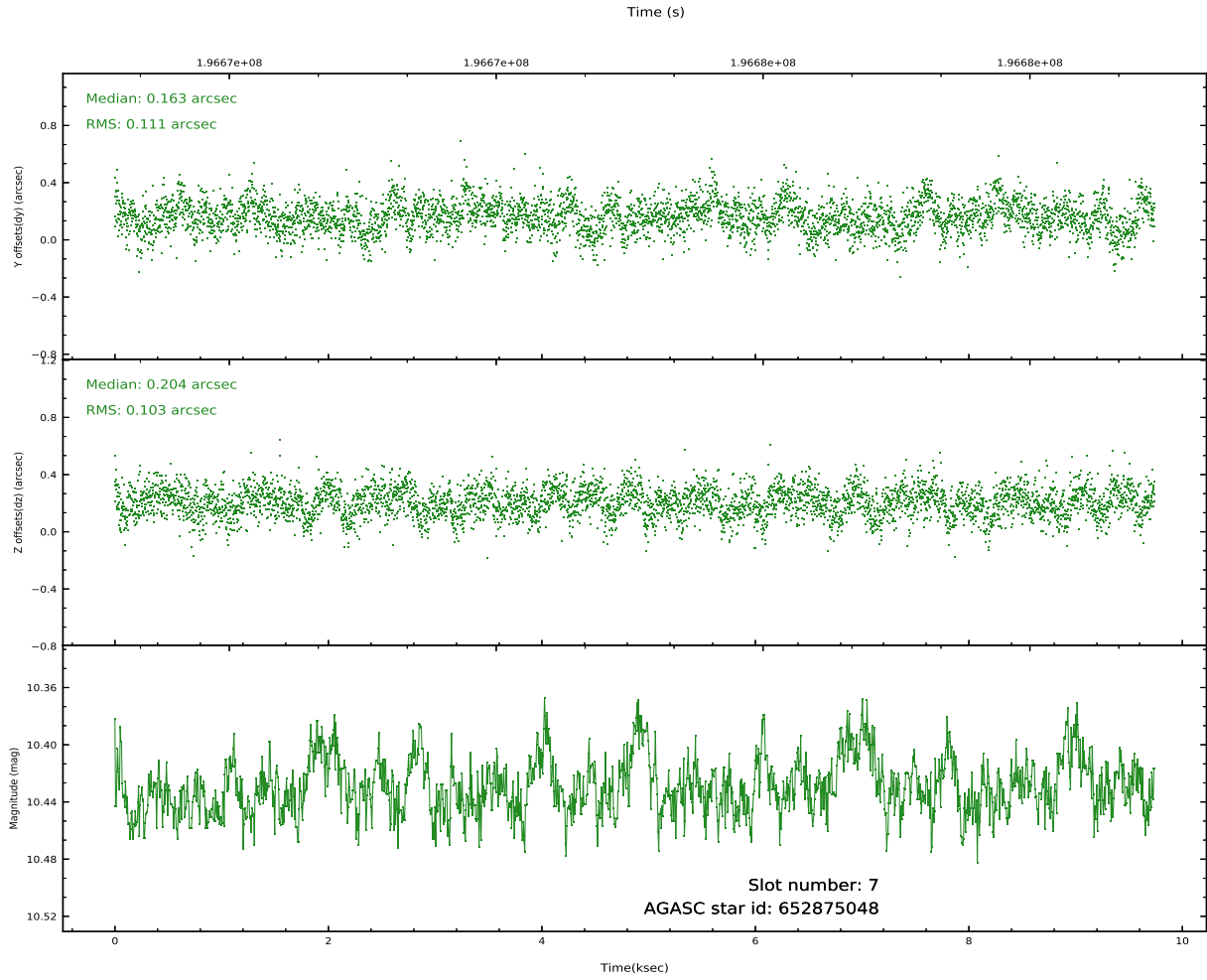
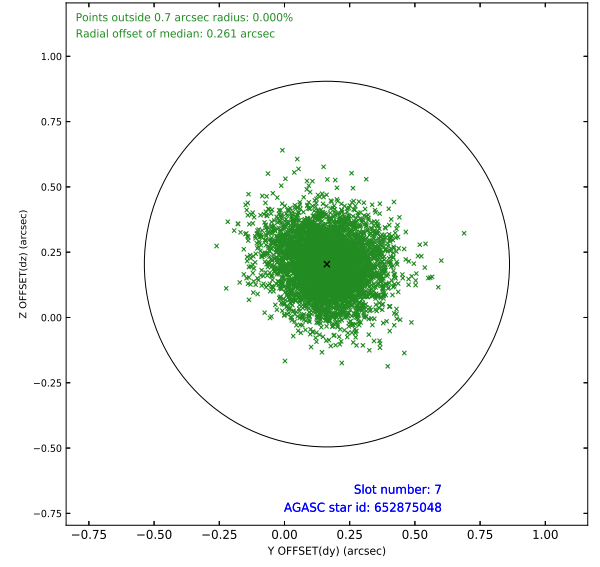
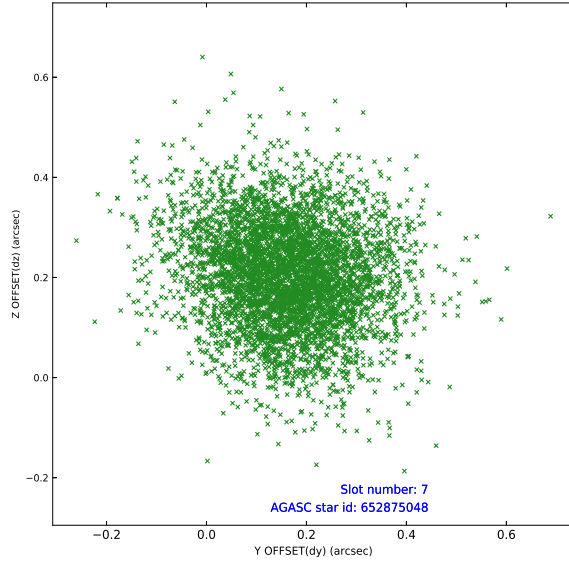
2.4.3 Slot 5



2.4.4 Slot 6

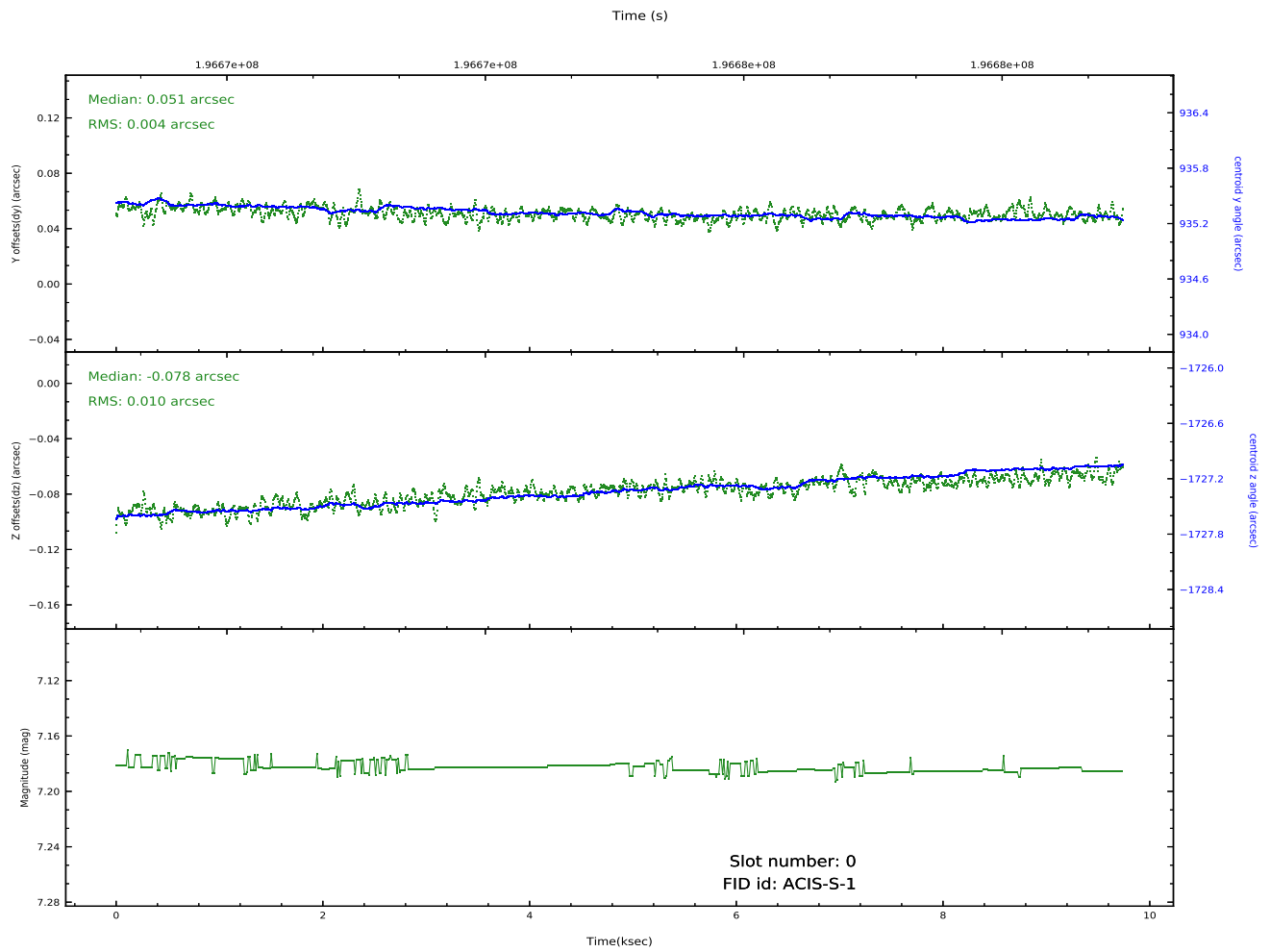
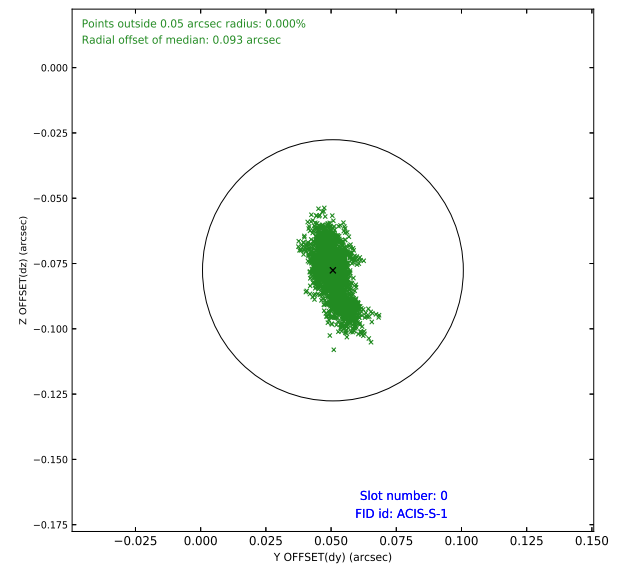
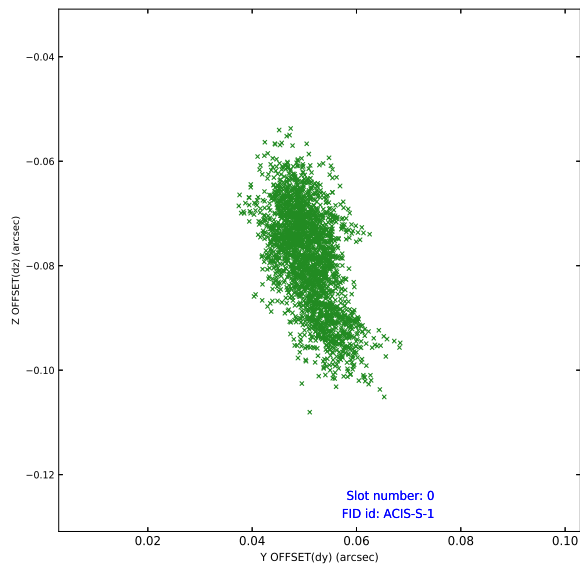


2.4.5 Slot 7

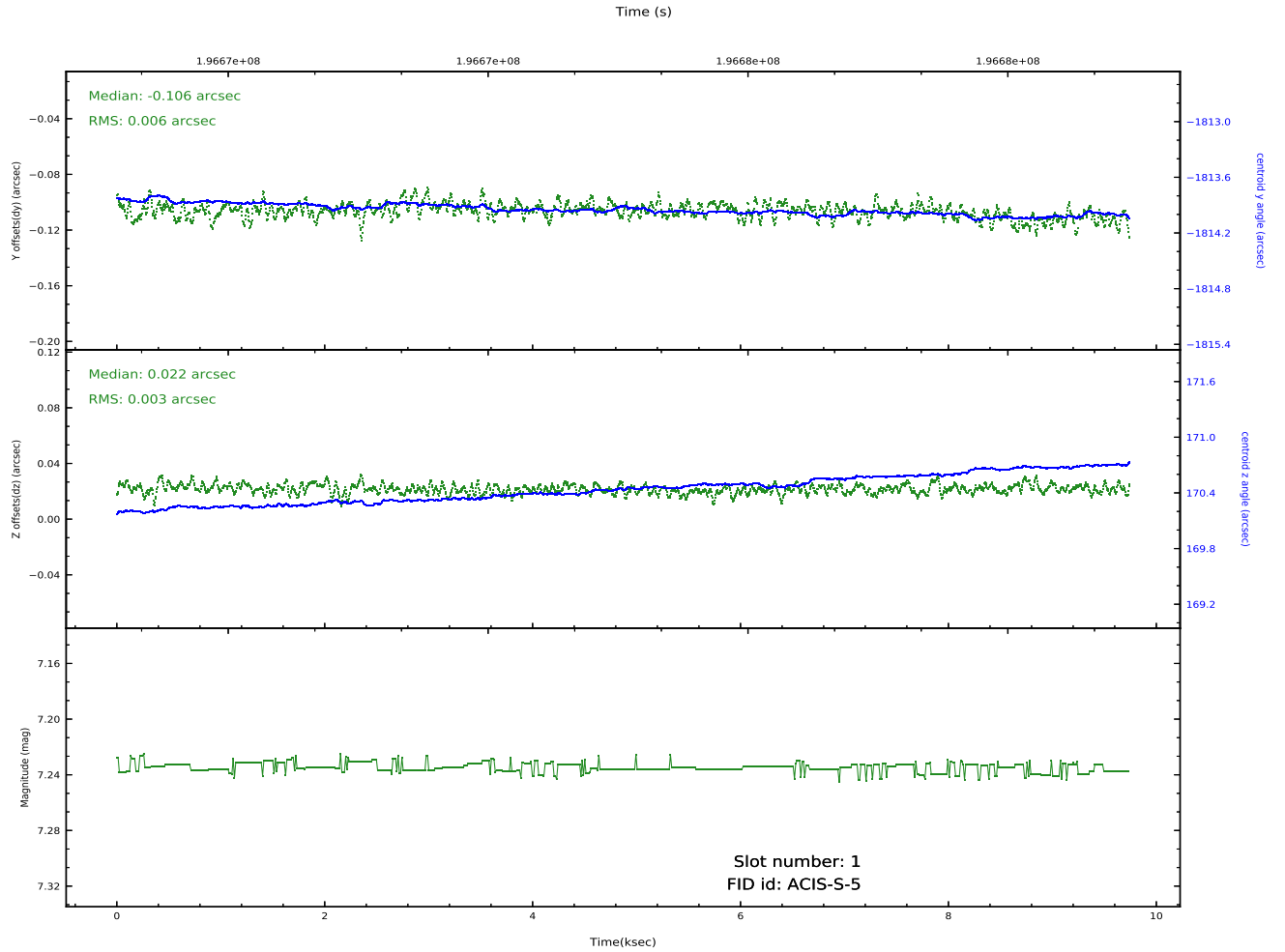
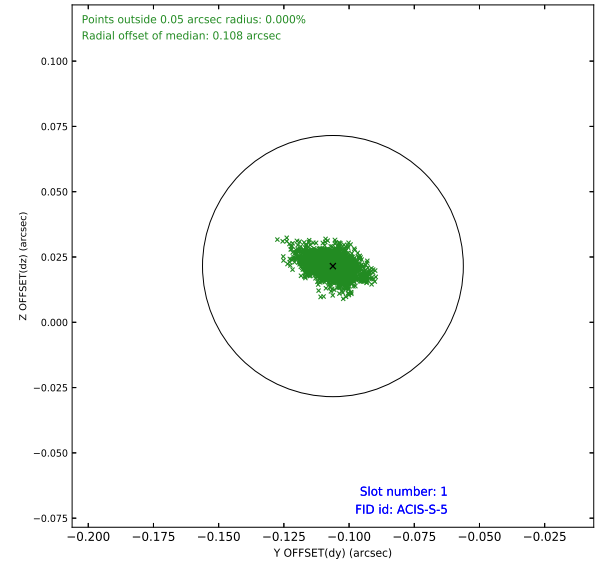
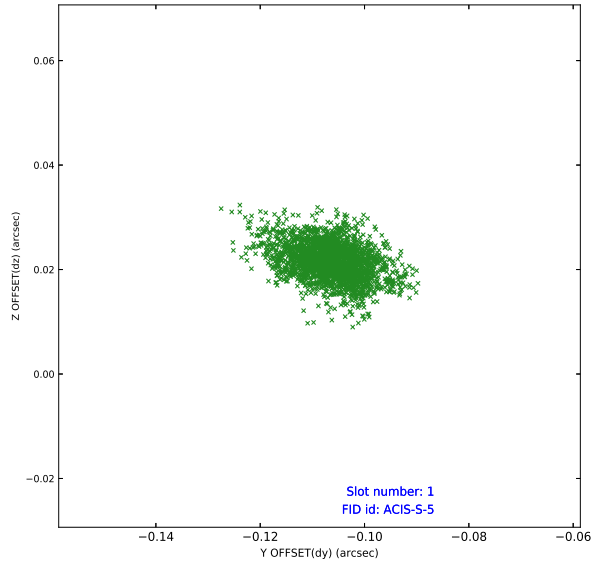


2.5 FID Slots

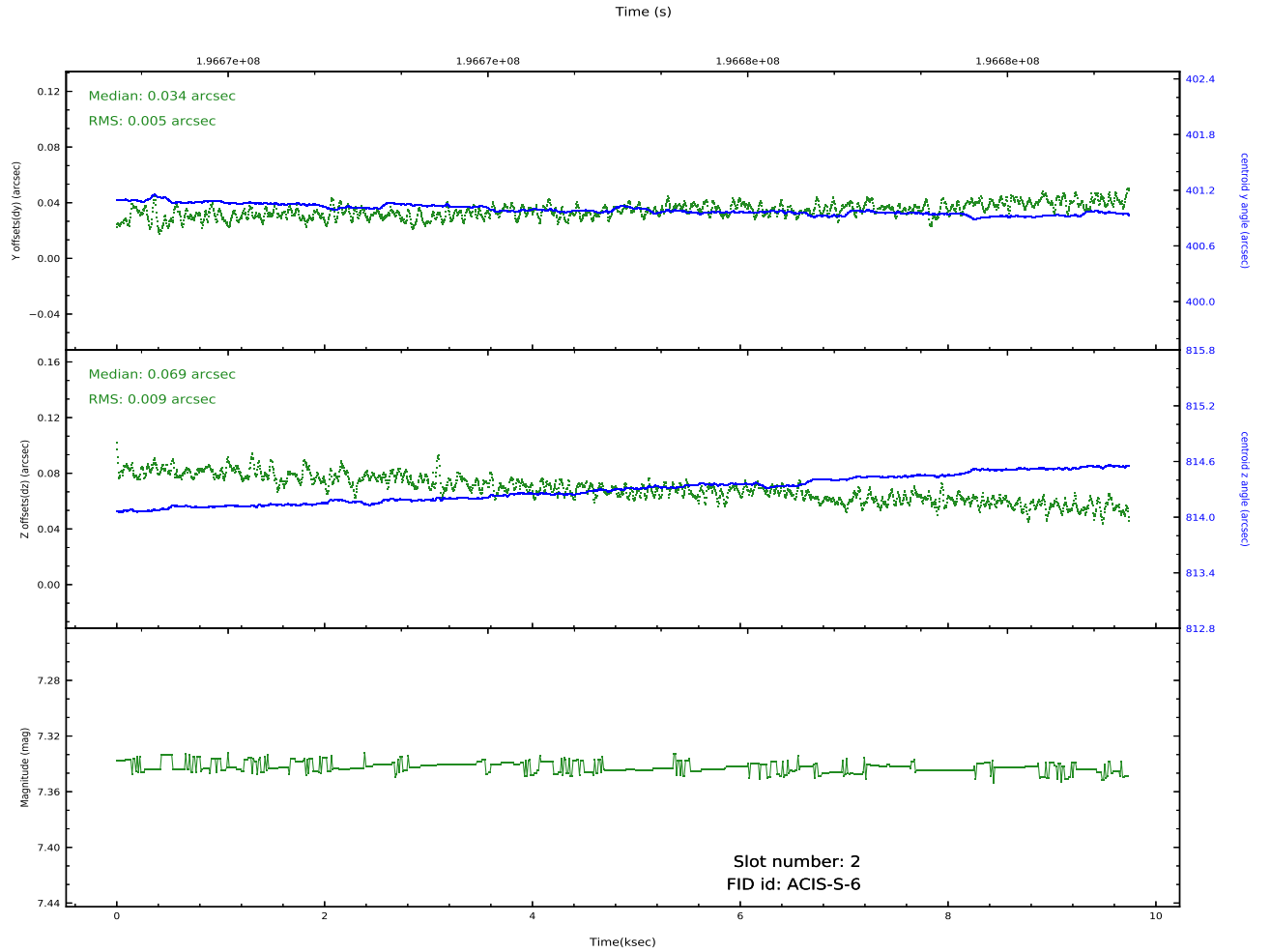
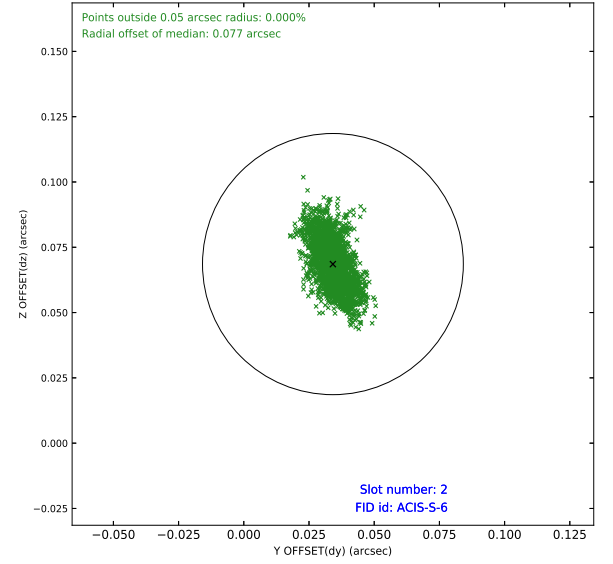
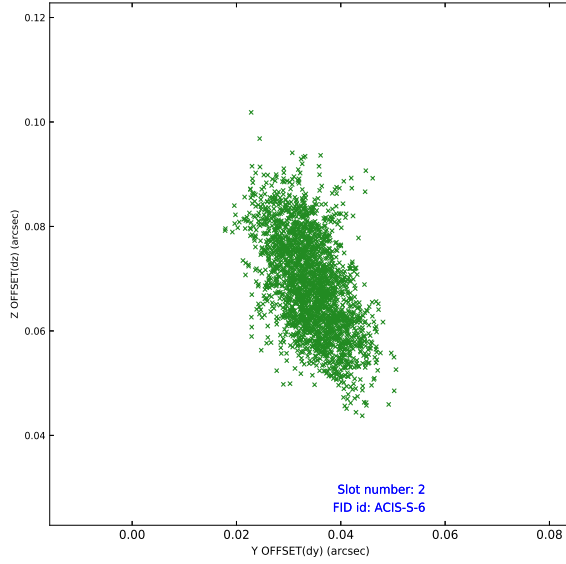
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.74

A.2 Comments