

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4779 - L2 Version 4
Chandra X-Ray Center

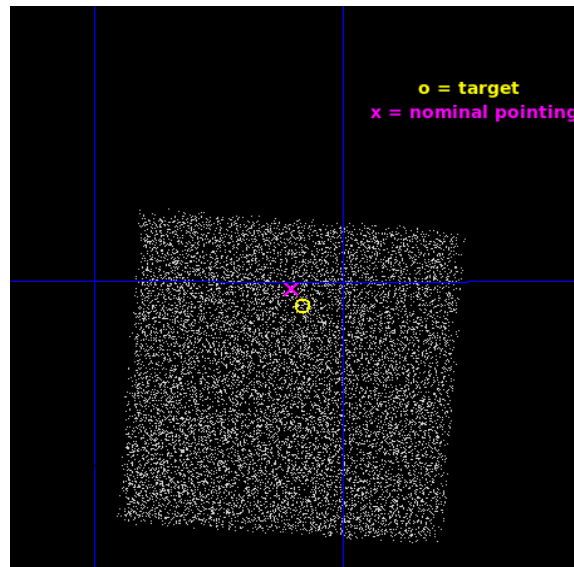
L2 Processing Date : Sep 23 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

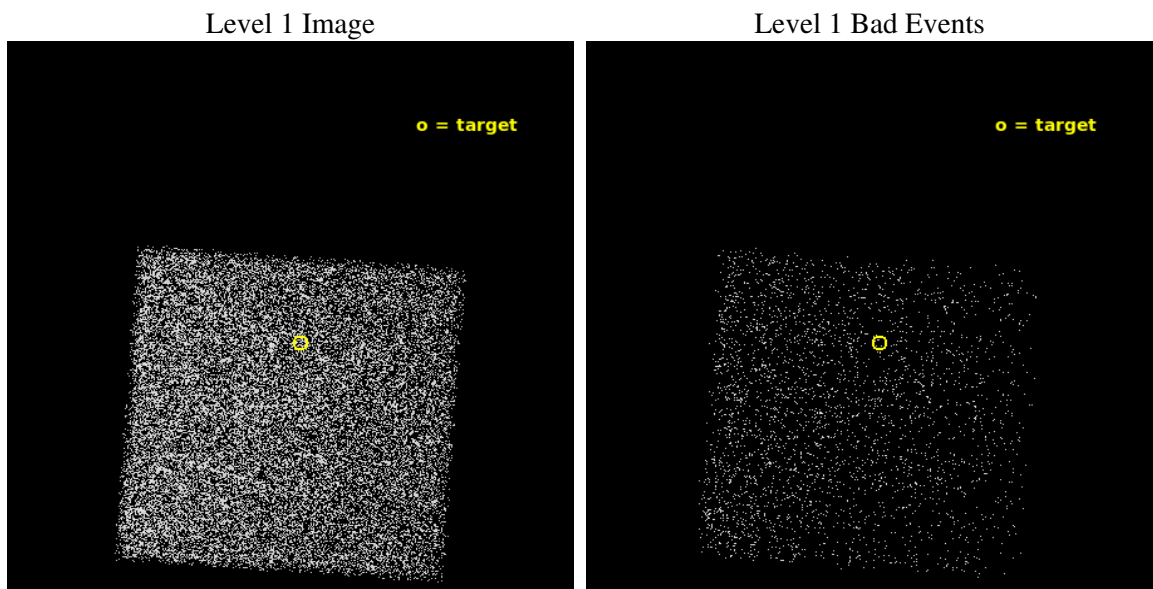
seq_num	700862	Sequence number
obs_id	4779	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1330-1666	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.395417	Observer's specified target RA [deg]
dec_targ	29.822417	Observer's specified target Dec [deg]
ra_nom	203.40054577661	Nominal RA [deg]
dec_nom	29.830065690303	Nominal Dec [deg]
roll_nom	94.080332909365	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4149.0	Sum of GTIs [s]
livetime	4093.0076552758	Livetime [s]
ontime7	4149.0	Sum of GTIs [s]
l2events	14344	Number of level 2 events



2 OBI

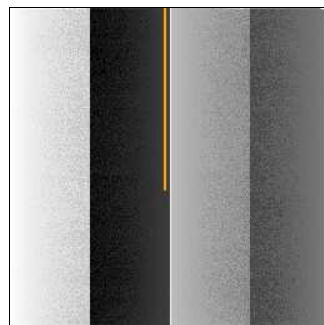
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4149.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	4149.0	Sum of GTIs [s]
date	2020-09-23T06:35:06	Date and time of file creation	l1events	43432	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

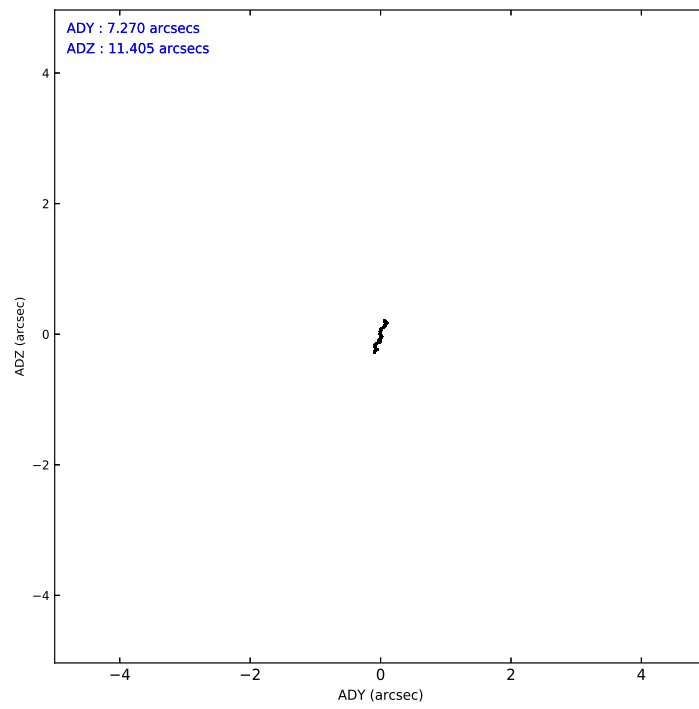
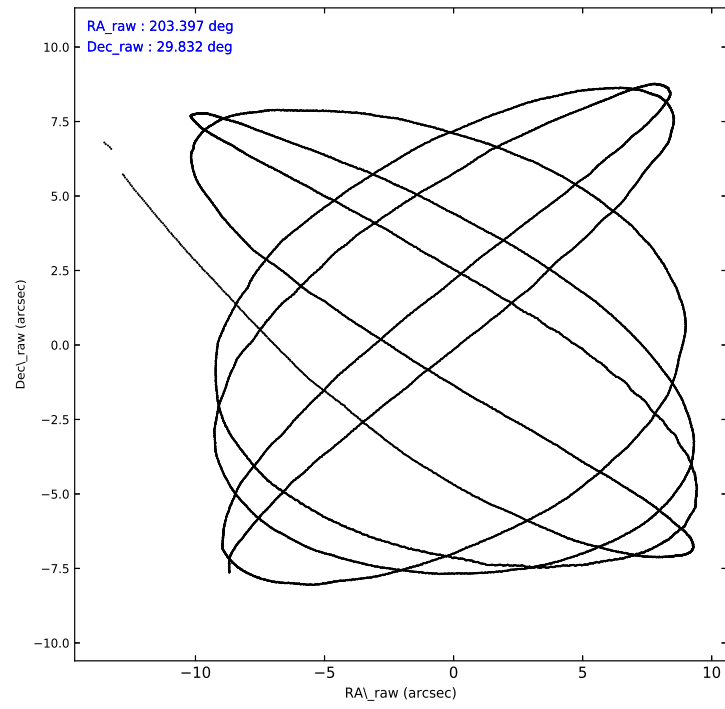
	ccd 7
level 1 events	43432
rejected events	28625
rejected %	65%

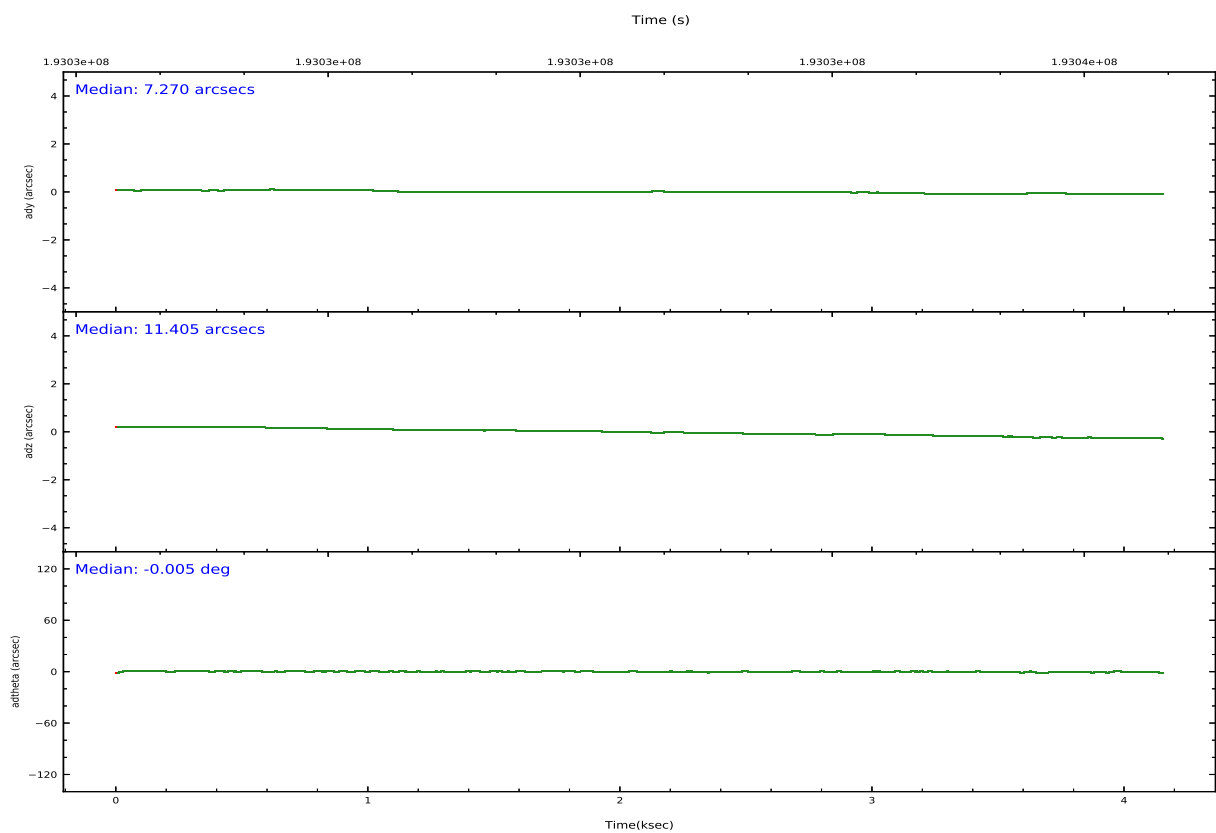
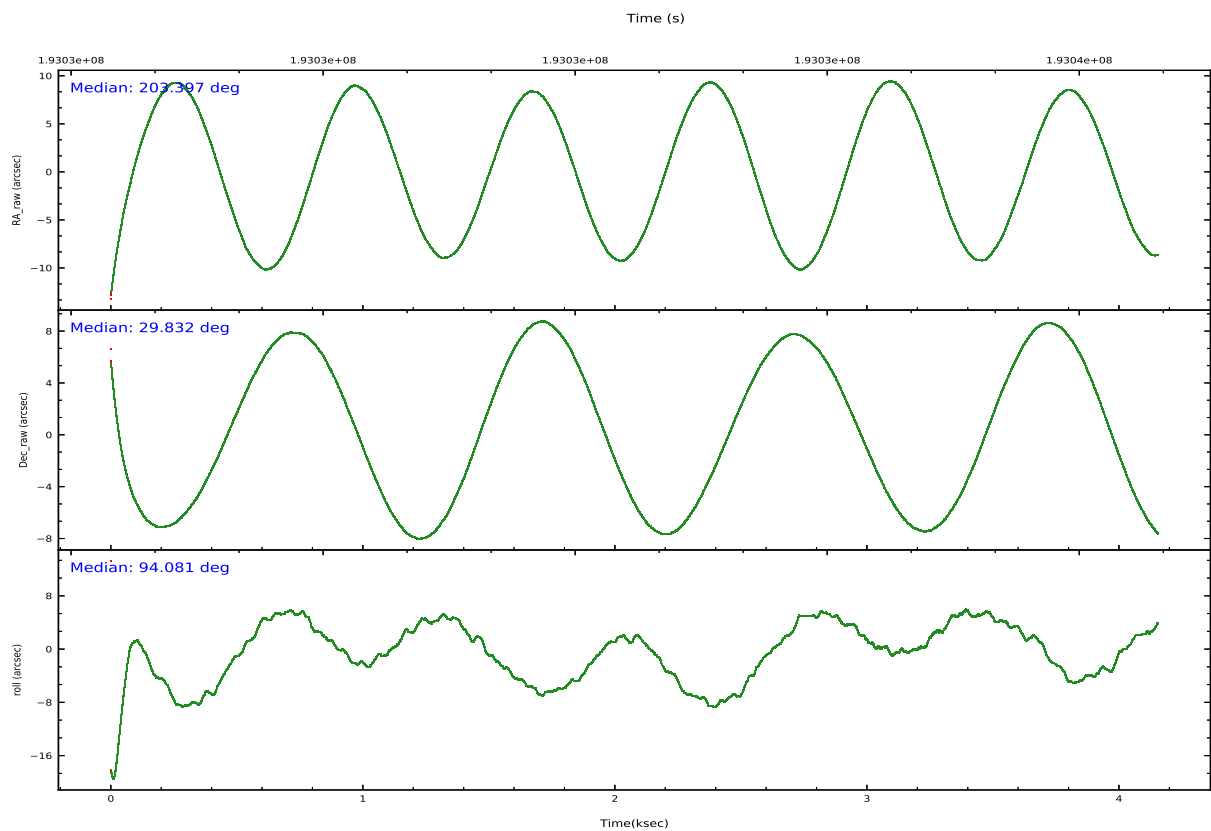
	ccd 7
grade 0 events	1672
	3%
grade 1 events	51
	0%
grade 2 events	3626
	8%
grade 3 events	1681
	3%
grade 4 events	1610
	3%
grade 5 events	4128
	9%
grade 6 events	9491
	21%
grade 7 events	21173
	48%

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	203.414517	203.40054577661	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.809689	29.830065690303	Alternating exposures requested	N	N
[deg] Pointing Roll	93.911144	94.080332909365	[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)	193031312.184000	193030151.61059			
Observation start date	2004-02-13T03:47:28	2004-02-13T03:29:11			
[s] Observation end time (MET)	193035312.184000	193036011.53584			
Observation end date	2004-02-13T04:54:08	2004-02-13T05:06:51			
Read mode	TIMED	TIMED			

2.3 Aspect



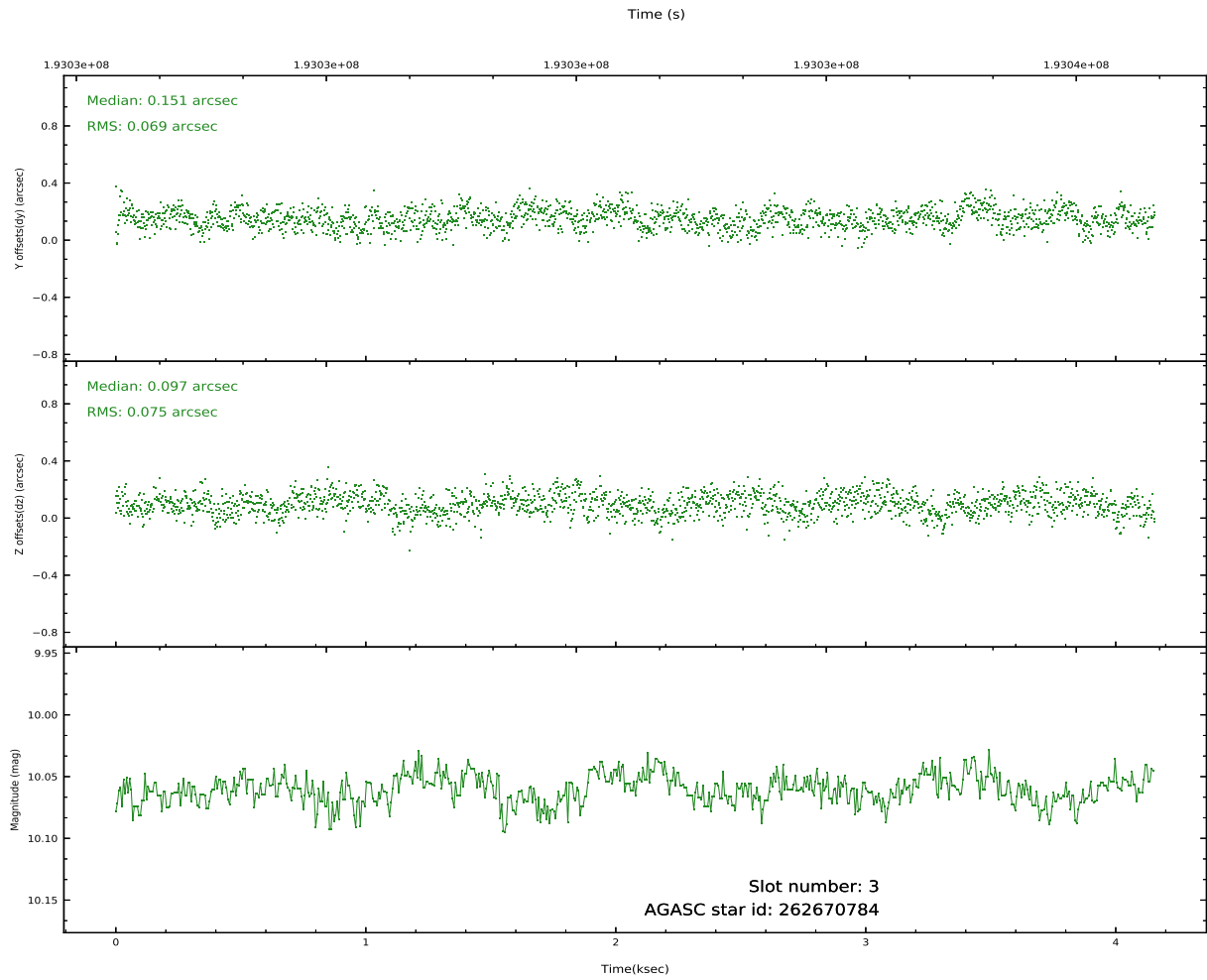
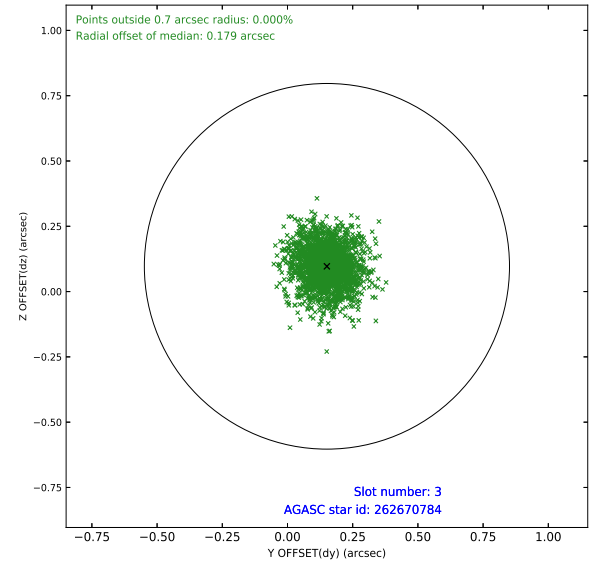
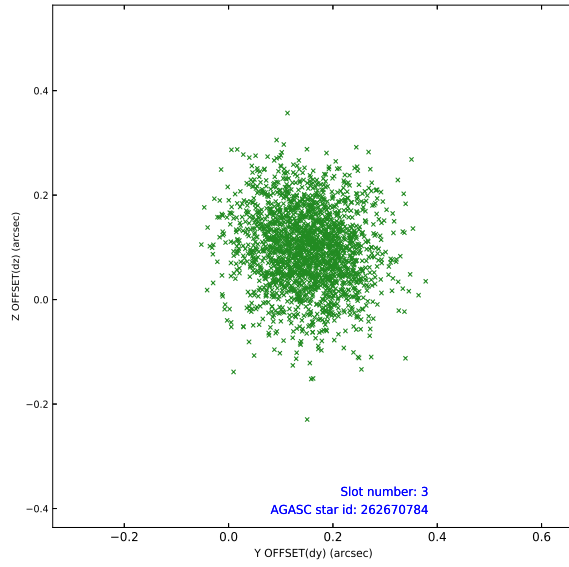


Slot Statistics

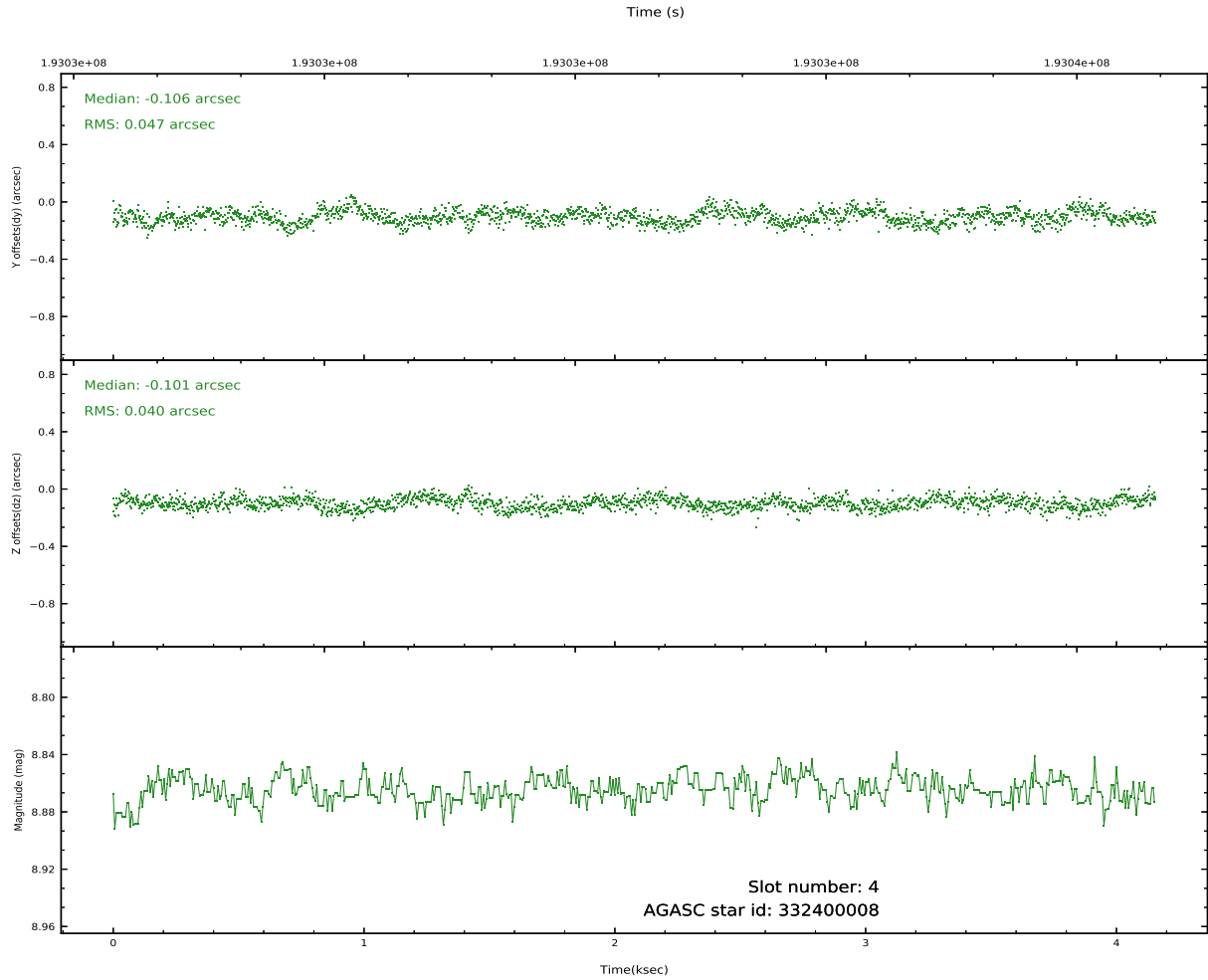
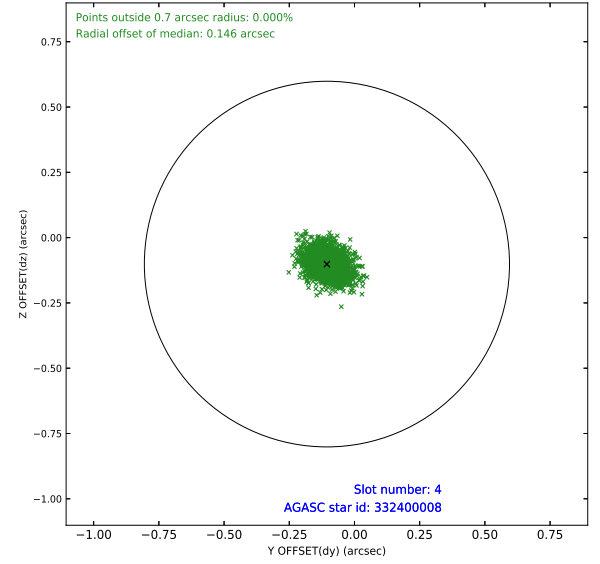
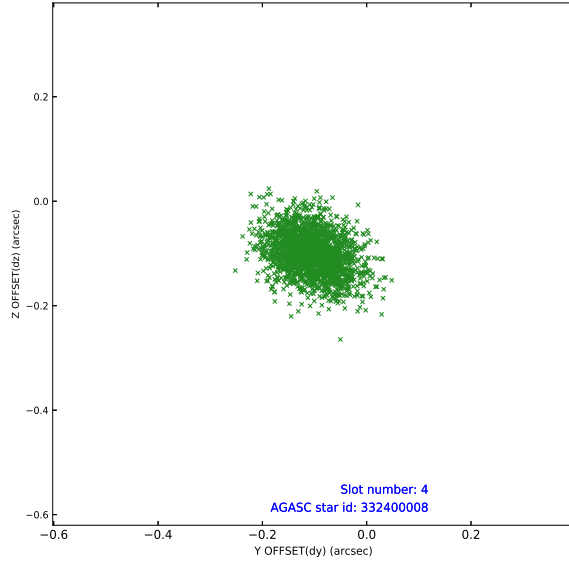
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1014	1.000	-0.081	-0.070	0.007	0.013	0.000000	0.000000	-760.07	-1732
1	FID		ACIS-S-4	7.20	1014	1.000	0.085	0.028	0.006	0.011	0.000000	0.000000	2152.65	174
2	FID		ACIS-S-6	7.34	1014	1.000	-0.031	0.049	0.007	0.012	0.000000	0.000000	403.83	813
3	GUIDE	used	262670784	10.06	2026	1.000	0.151	0.097	0.109	0.178	204.019229	29.380395	-1665.61	-1787
4	GUIDE	used	332400008	8.86	2027	1.000	-0.106	-0.101	0.066	0.107	203.197774	30.321360	1883.91	545
5	GUIDE	used	332405440	9.28	2028	1.000	-0.030	0.103	0.077	0.127	203.646221	30.318610	1780.80	-842
6	GUIDE	used	332407376	8.95	2028	1.000	-0.014	-0.176	0.064	0.104	203.382617	30.157623	1258.08	13
7	GUIDE	used	332407408	9.06	2025	1.000	0.003	0.081	0.070	0.112	203.759056	30.144515	1132.30	-1151

2.4 Star Slots

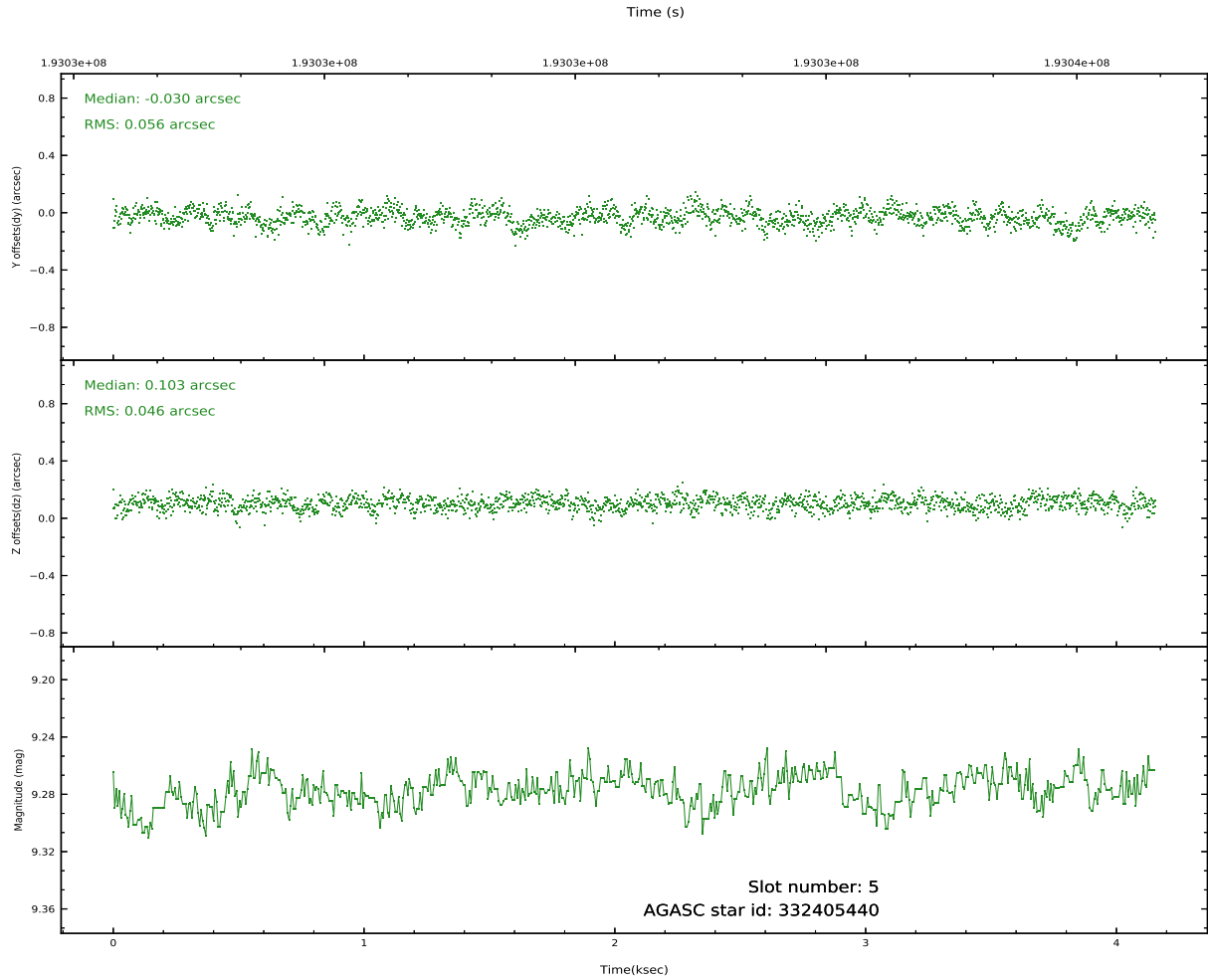
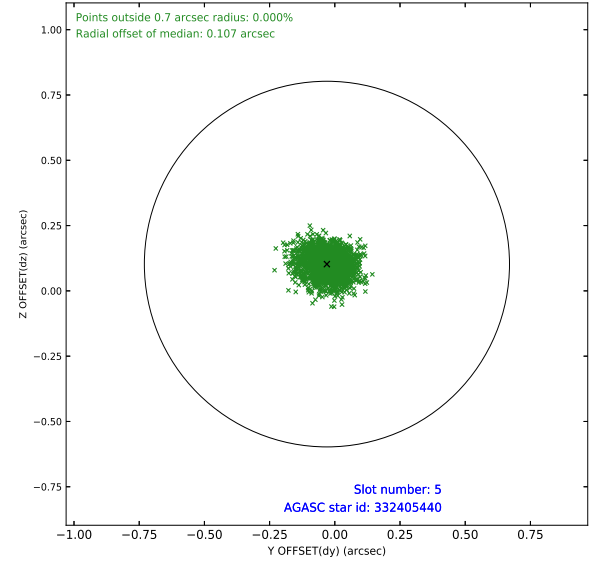
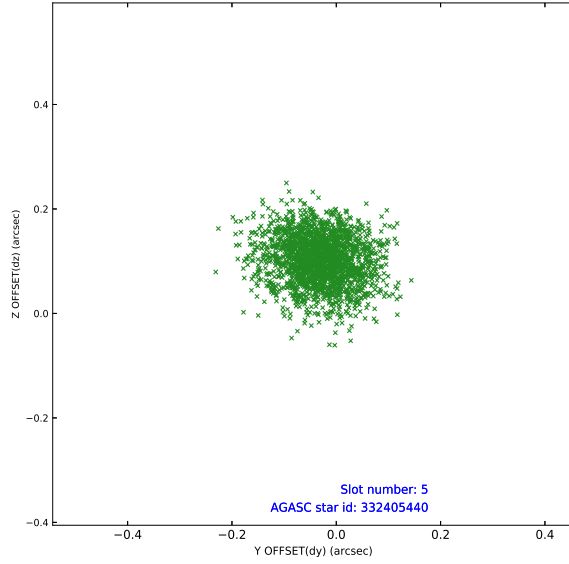
2.4.1 Slot 3



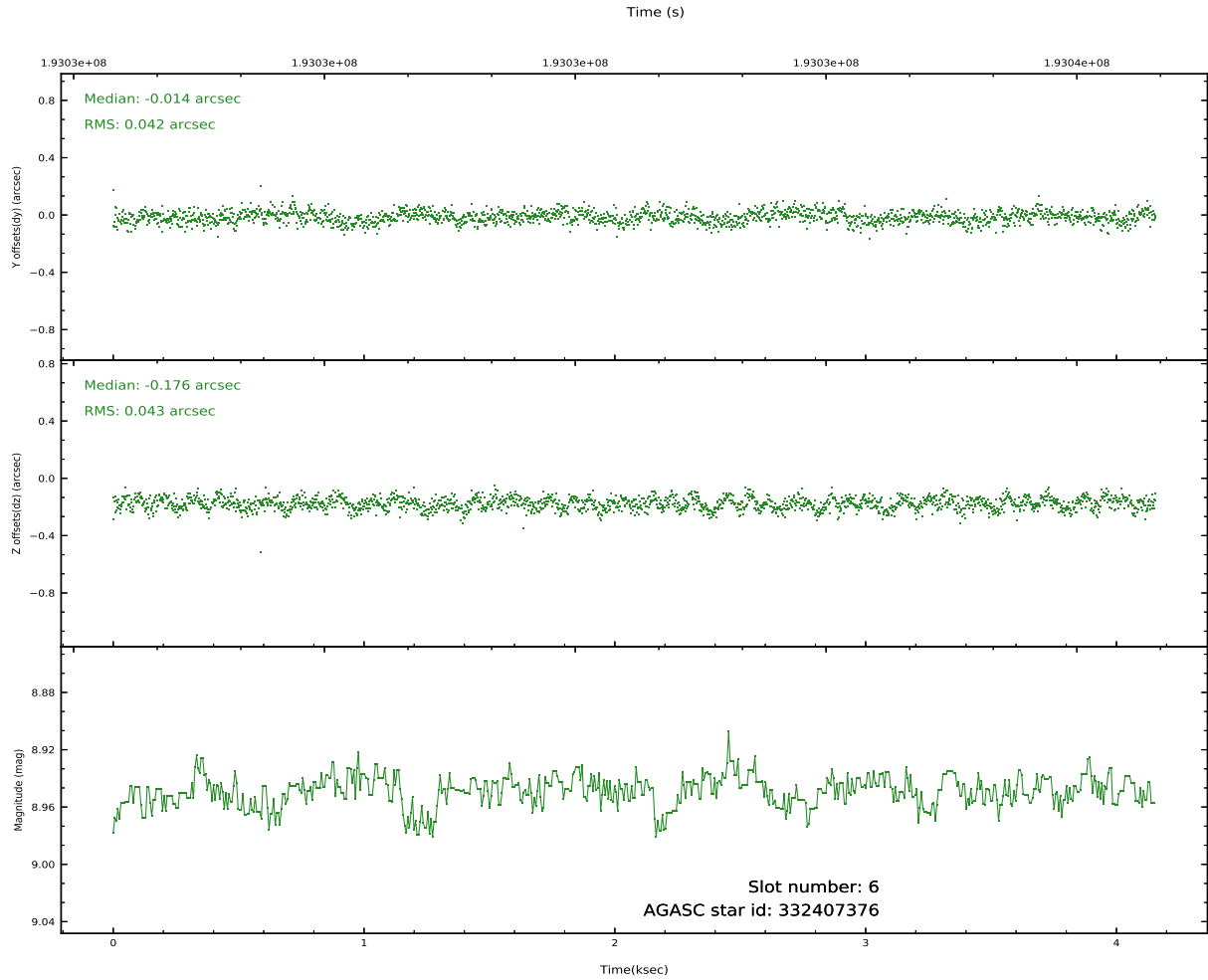
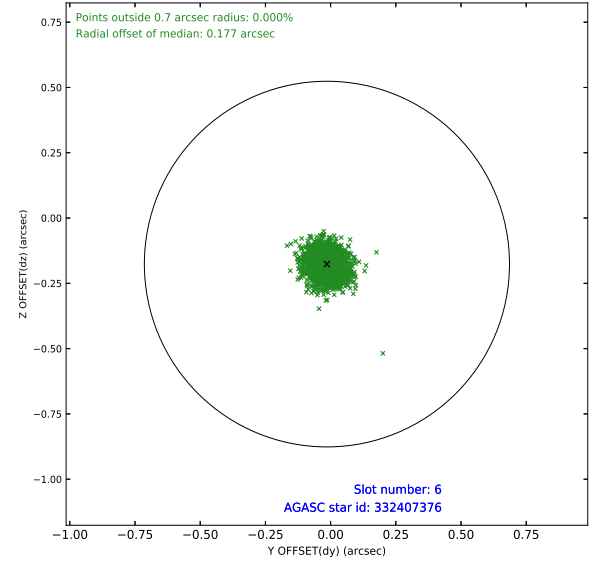
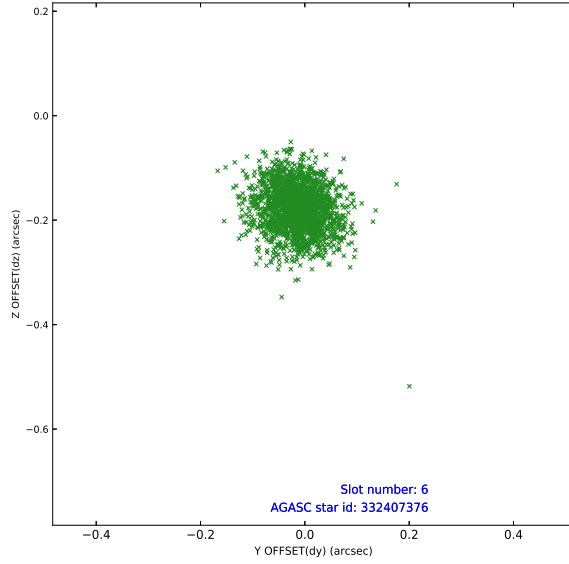
2.4.2 Slot 4



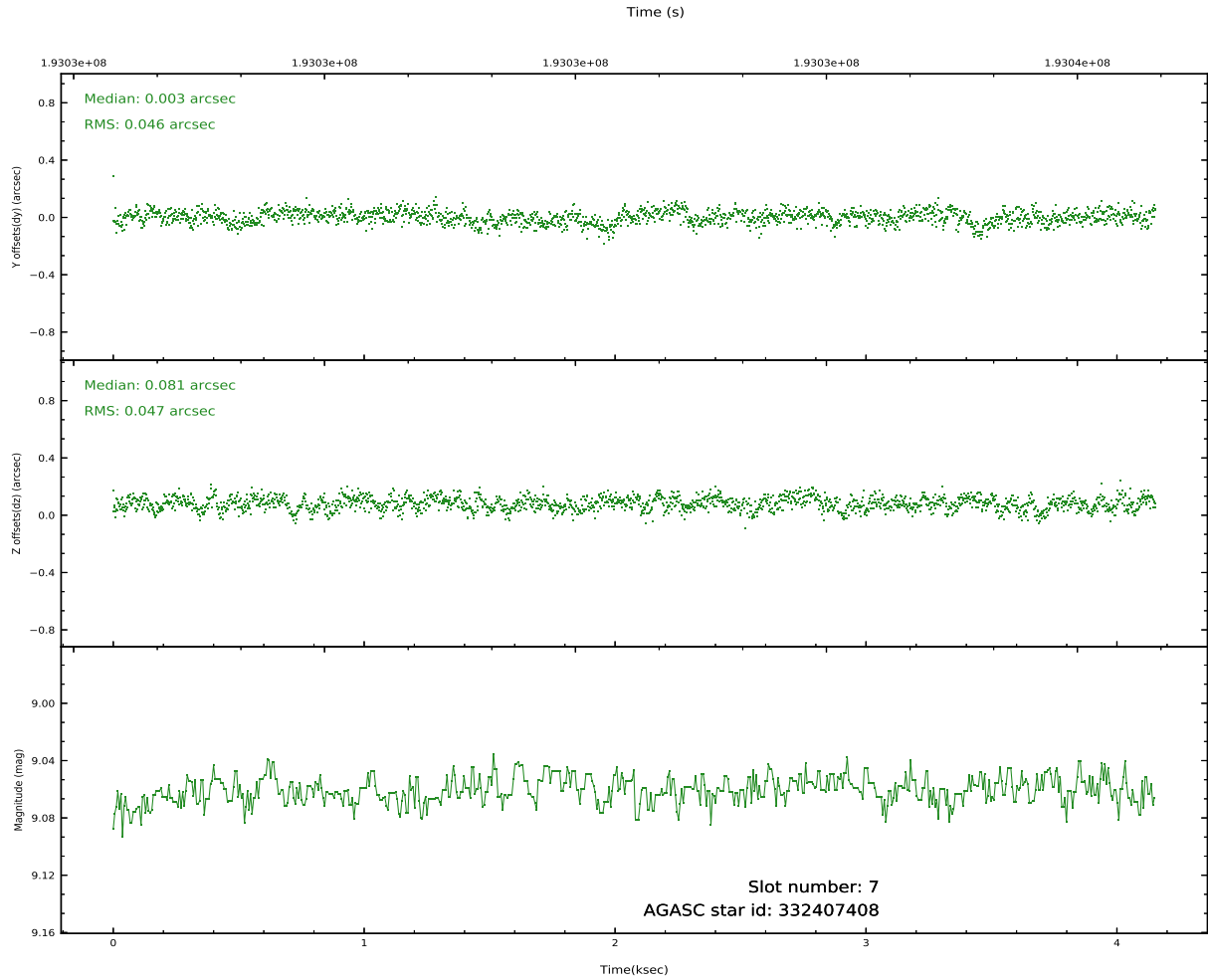
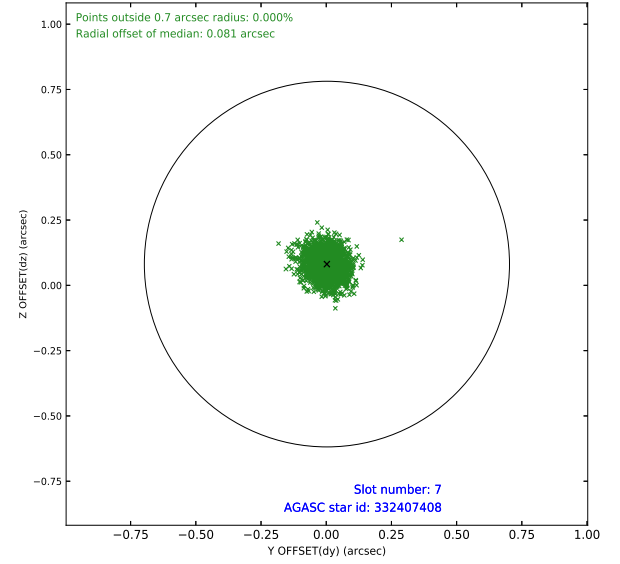
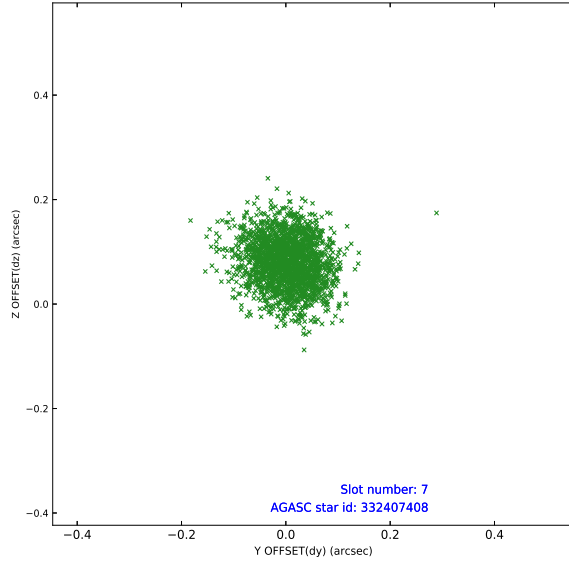
2.4.3 Slot 5



2.4.4 Slot 6

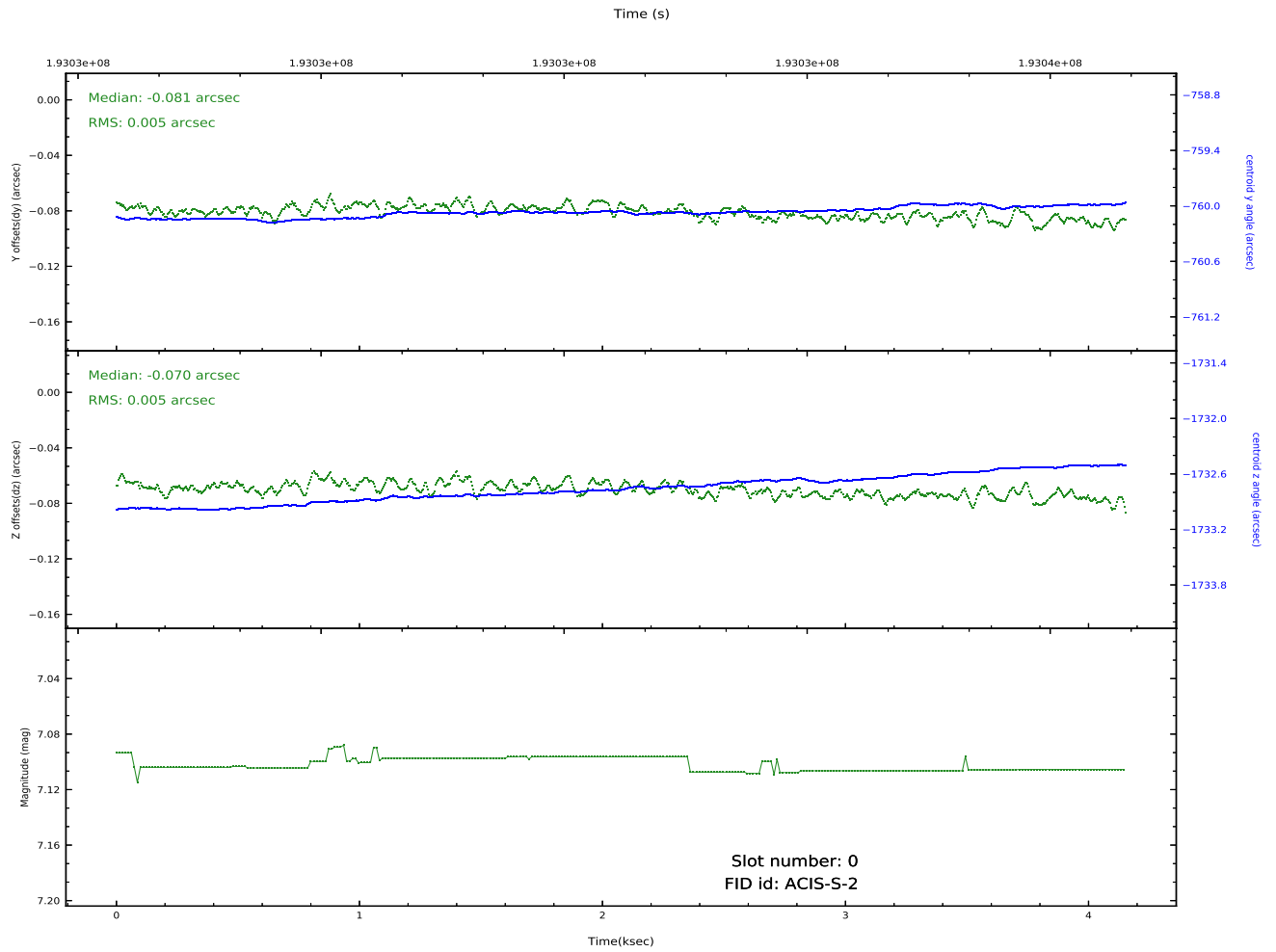
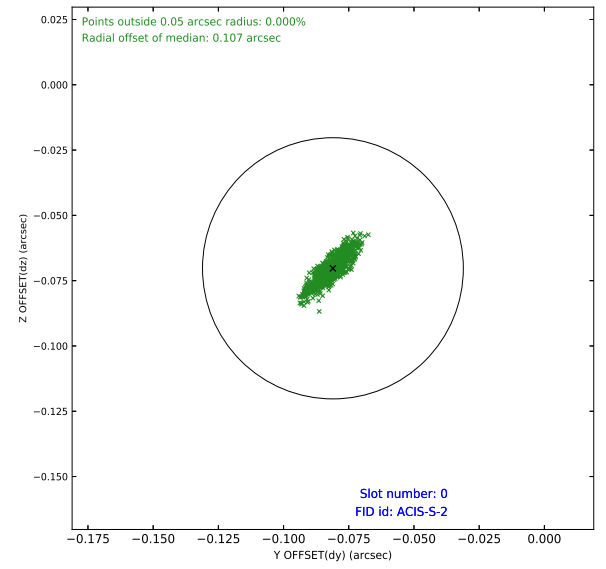
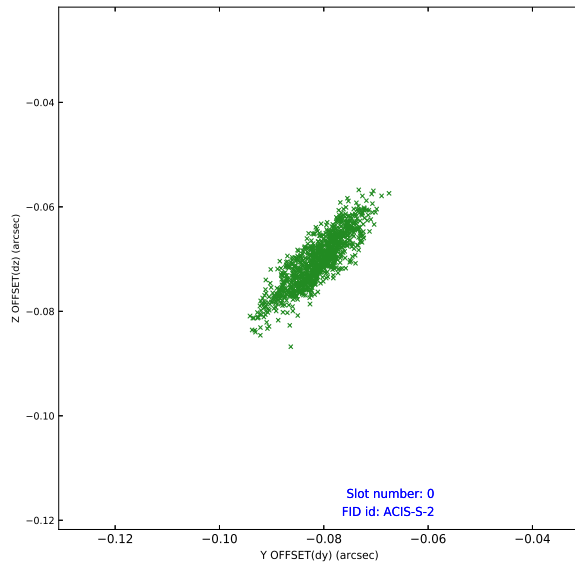


2.4.5 Slot 7

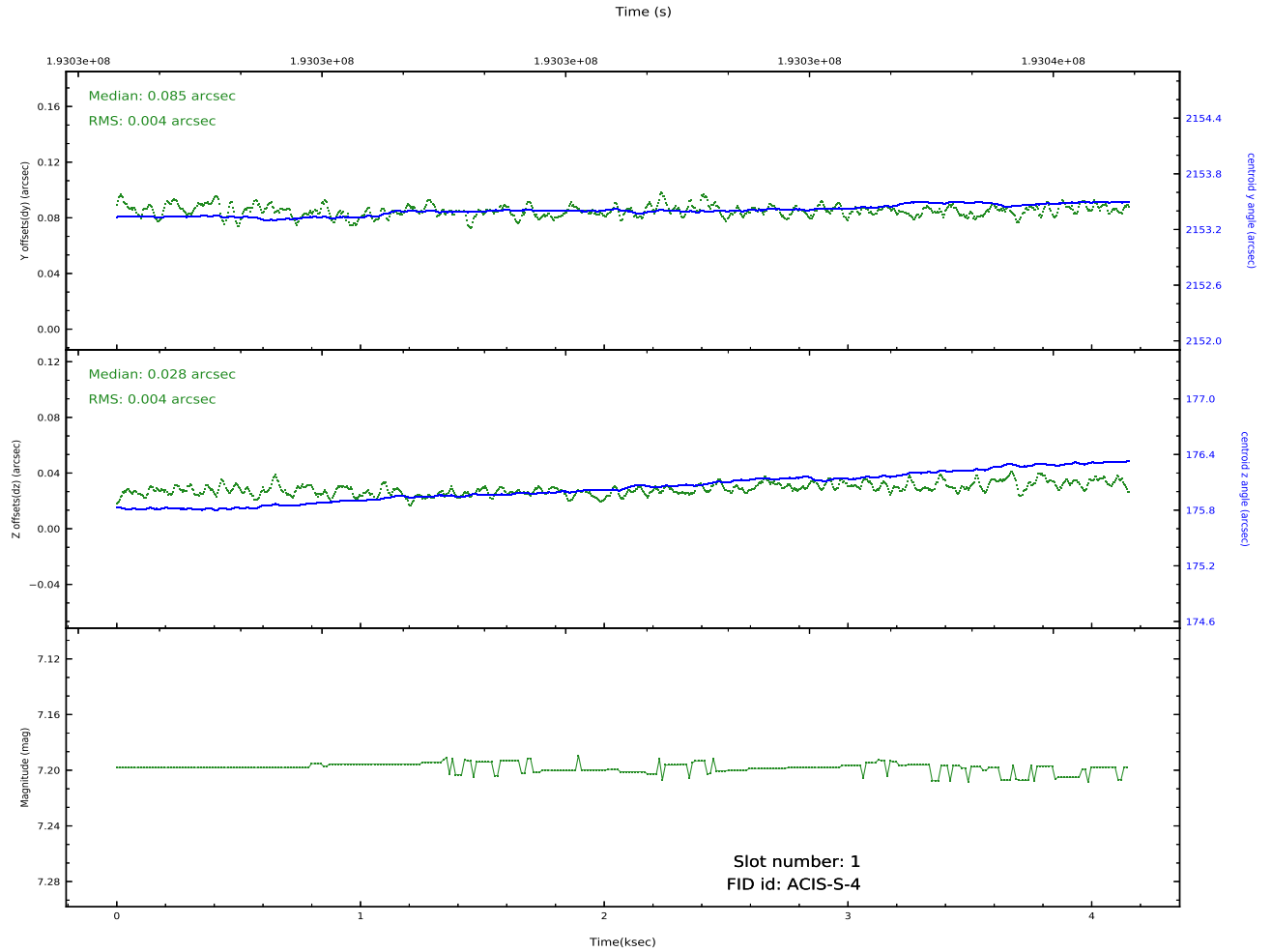
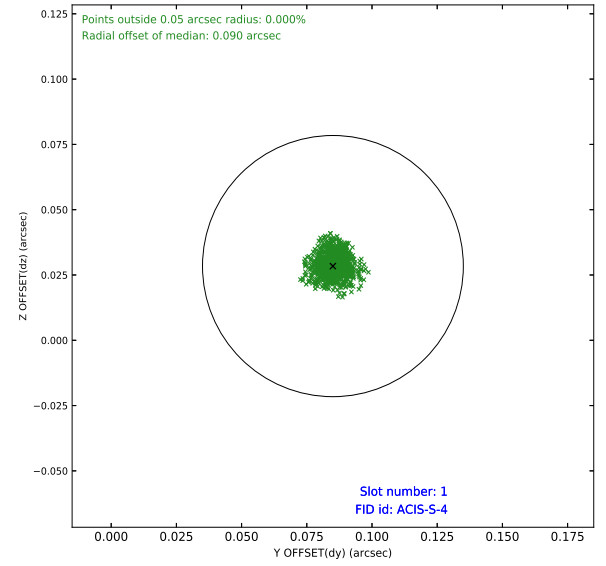
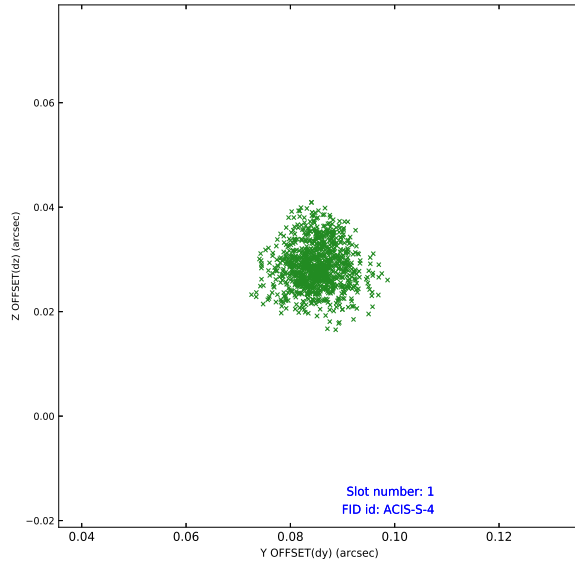


2.5 FID Slots

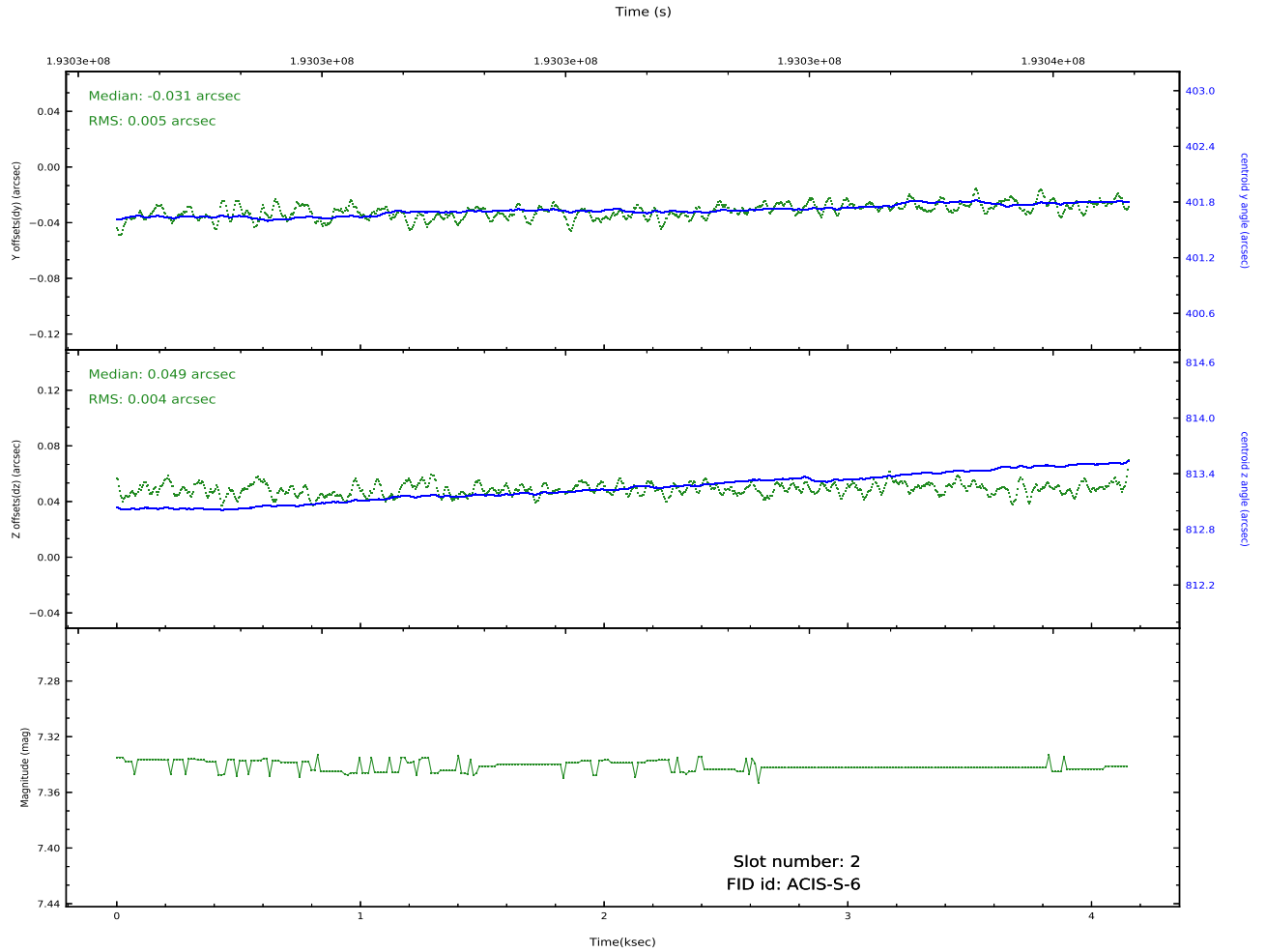
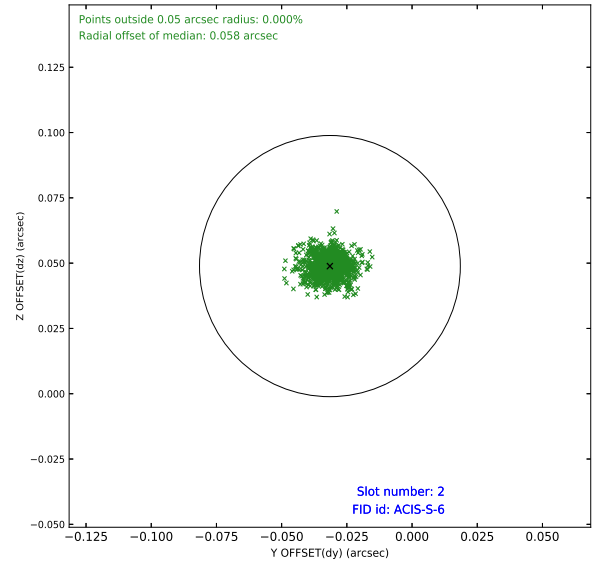
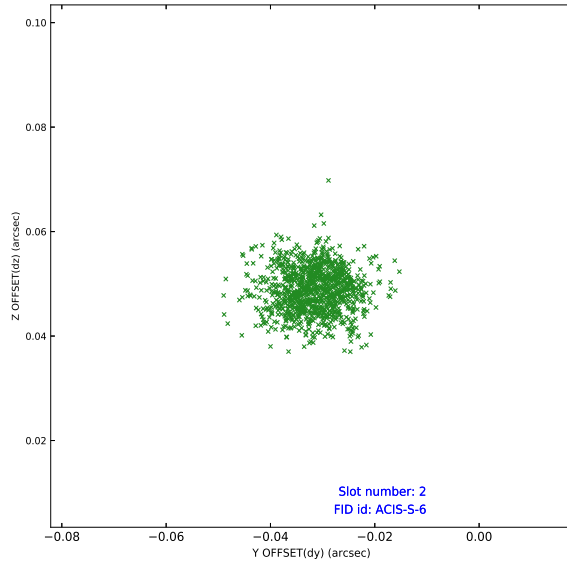
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.149

A.2 Comments