

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4783 - L2 Version 4
Chandra X-Ray Center

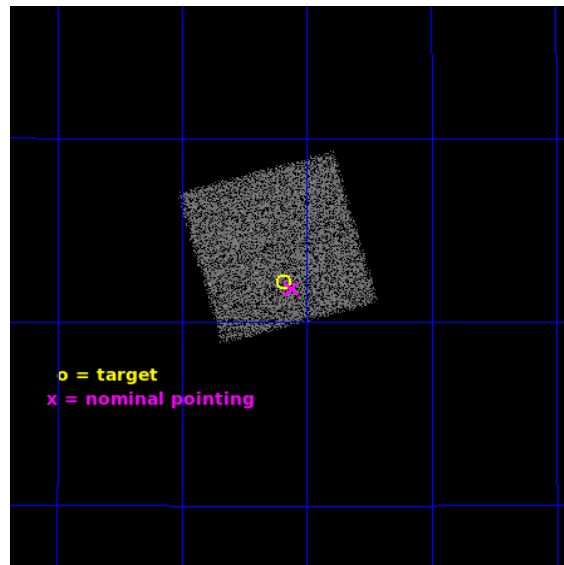
L2 Processing Date : Sep 27 2020

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

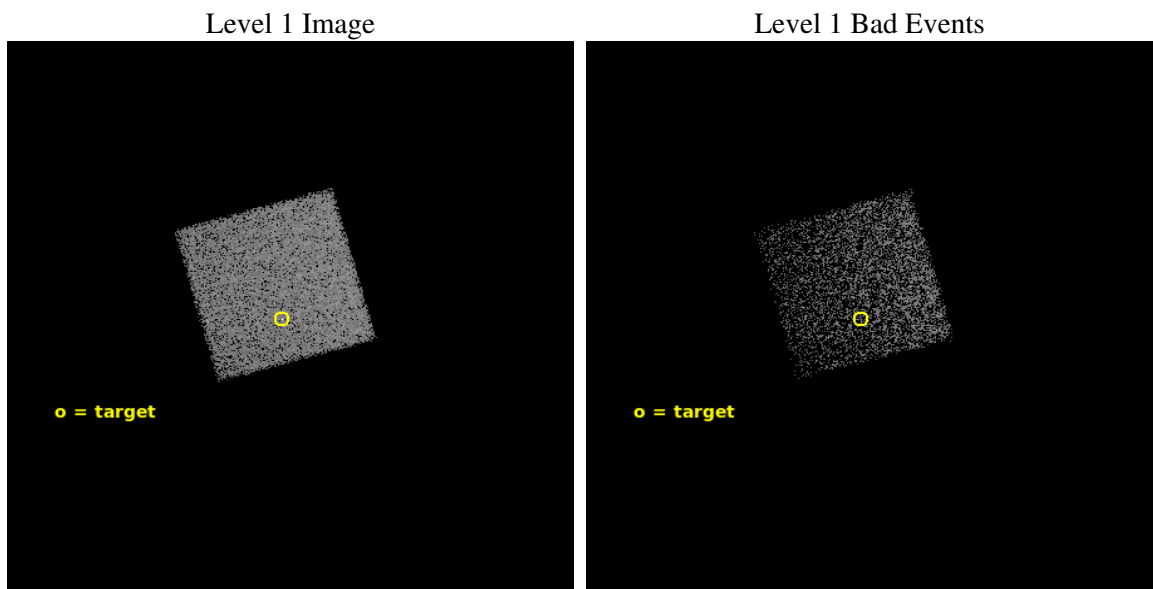
seq_num	700866	Sequence number
obs_id	4783	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1410-4555	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	212.772917	Observer's specified target RA [deg]
dec_targ	29.703306	Observer's specified target Dec [deg]
ra_nom	212.7650388102	Nominal RA [deg]
dec_nom	29.696931154023	Nominal Dec [deg]
roll_nom	254.3054123323	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4146.0	Sum of GTIs [s]
livetime	4090.0481414253	Livetime [s]
ontime7	4146.0	Sum of GTIs [s]
l2events	19974	Number of level 2 events



2 OBI

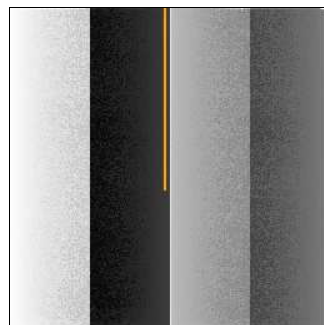
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3969.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4146.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	4146.0	Sum of GTIs [s]
date	2020-09-27T13:21:40	Date and time of file creation	l1events	46634	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

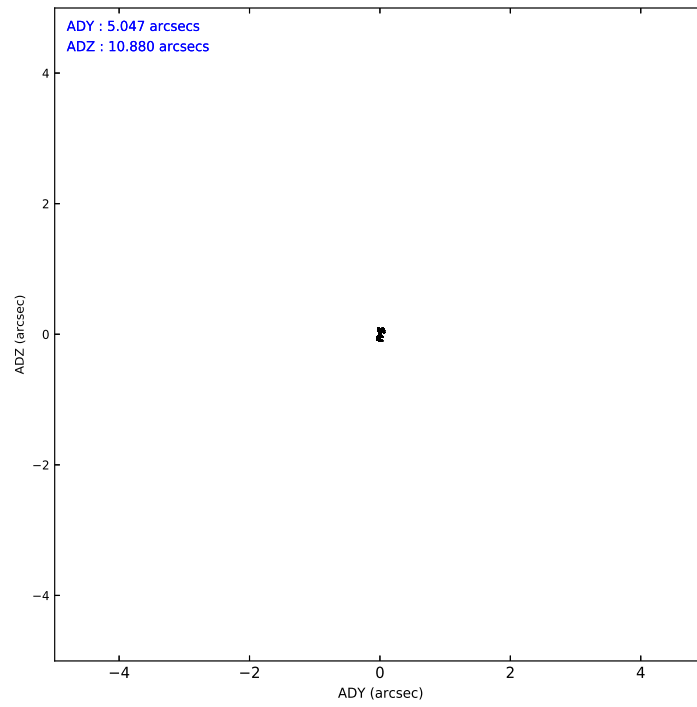
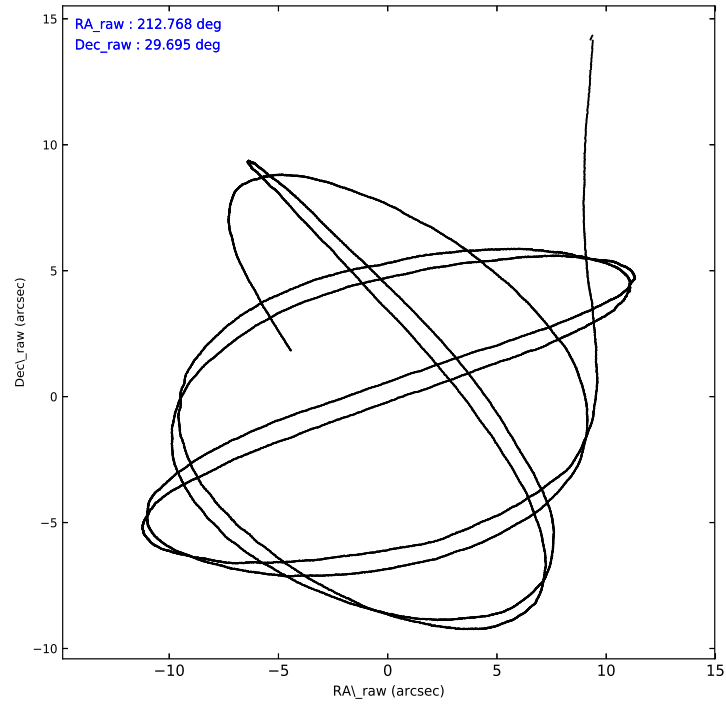
	ccd 7
level 1 events	46634
rejected events	26102
rejected %	55%

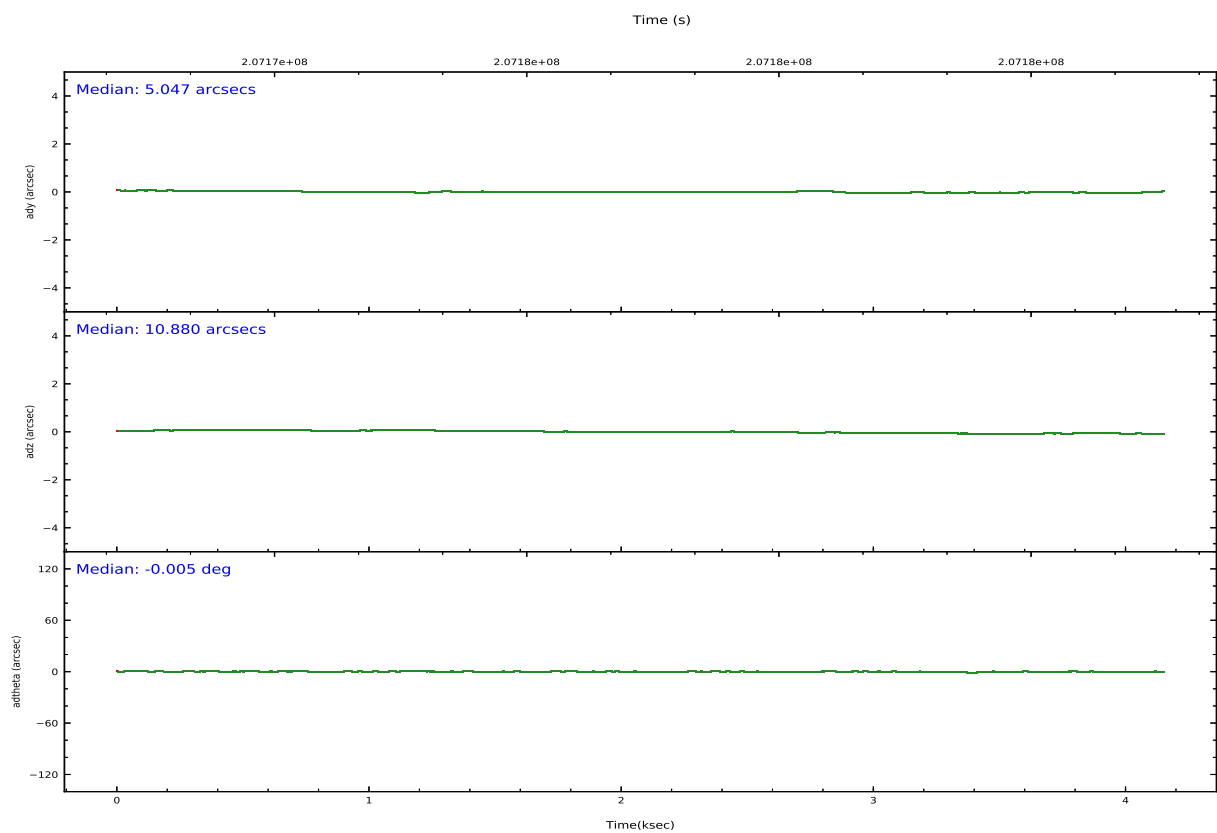
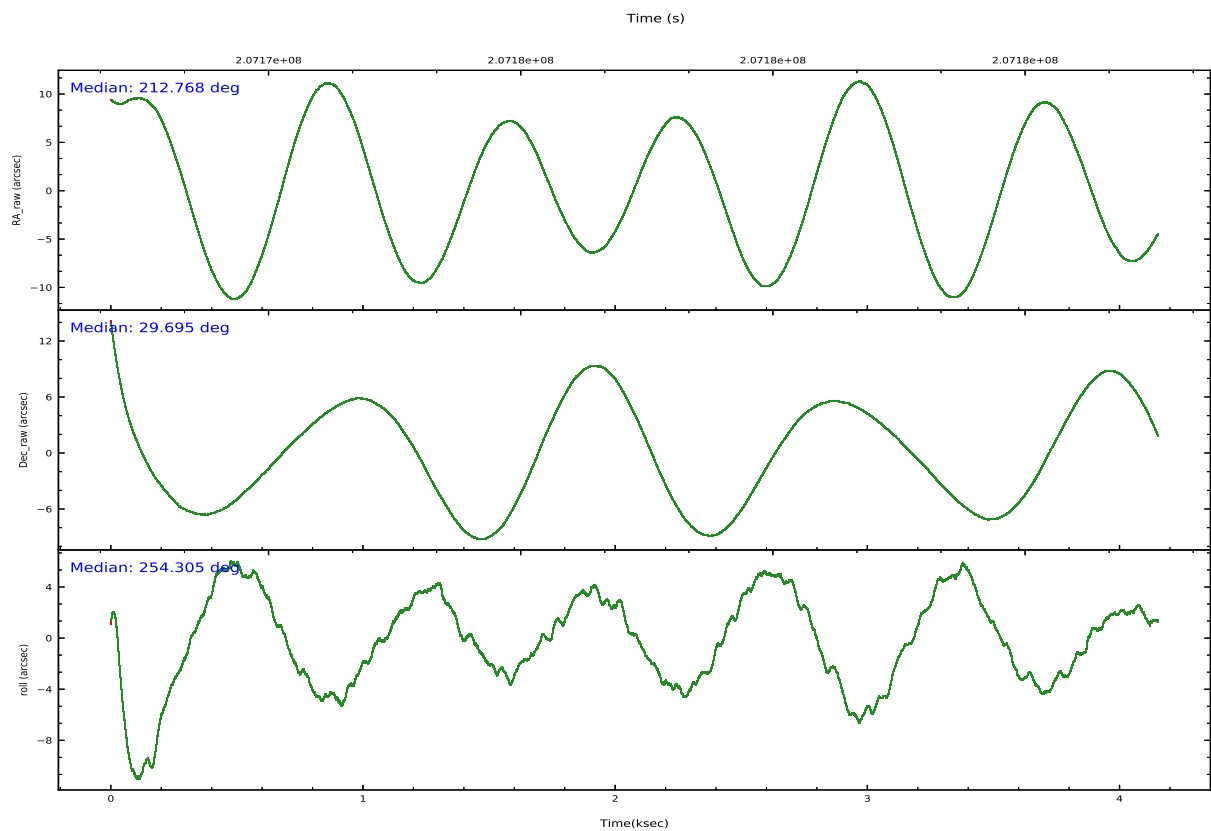
	ccd 7
grade 0 events	2305
	4%
grade 1 events	40
	0%
grade 2 events	4560
	9%
grade 3 events	2068
	4%
grade 4 events	2008
	4%
grade 5 events	4102
	8%
grade 6 events	11187
	23%
grade 7 events	20364
	43%

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	212.759918	212.7650388102	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.720898	29.696931154023	Alternating exposures requested	N	N
[deg] Pointing Roll	254.152905	254.3054123323	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	207173558.184000	207172664.04666			
Observation start date	2004-07-25T20:11:34	2004-07-25T19:57:44			
[s] Observation end time (MET)	207177527.184000	207178049.3969			
Observation end date	2004-07-25T21:17:43	2004-07-25T21:27:29			
Read mode	TIMED	TIMED			

2.3 Aspect



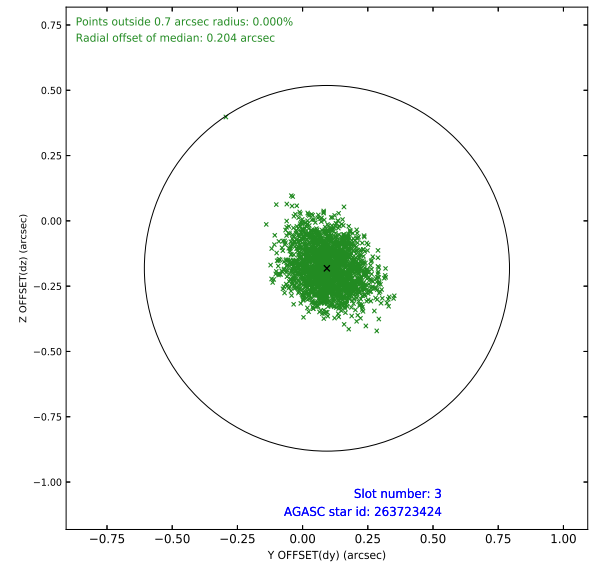
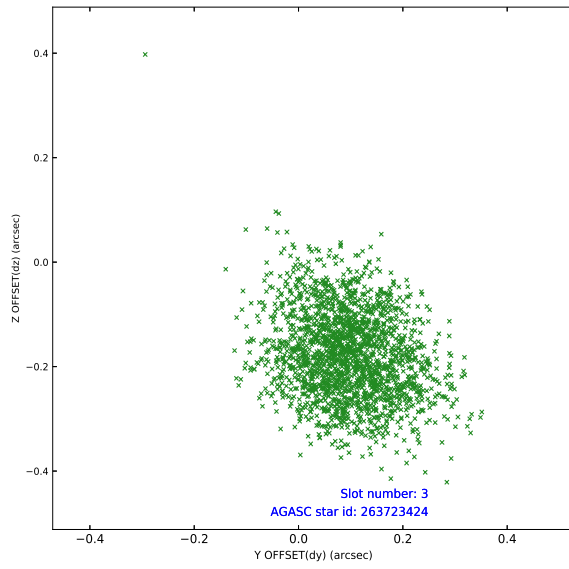


Slot Statistics

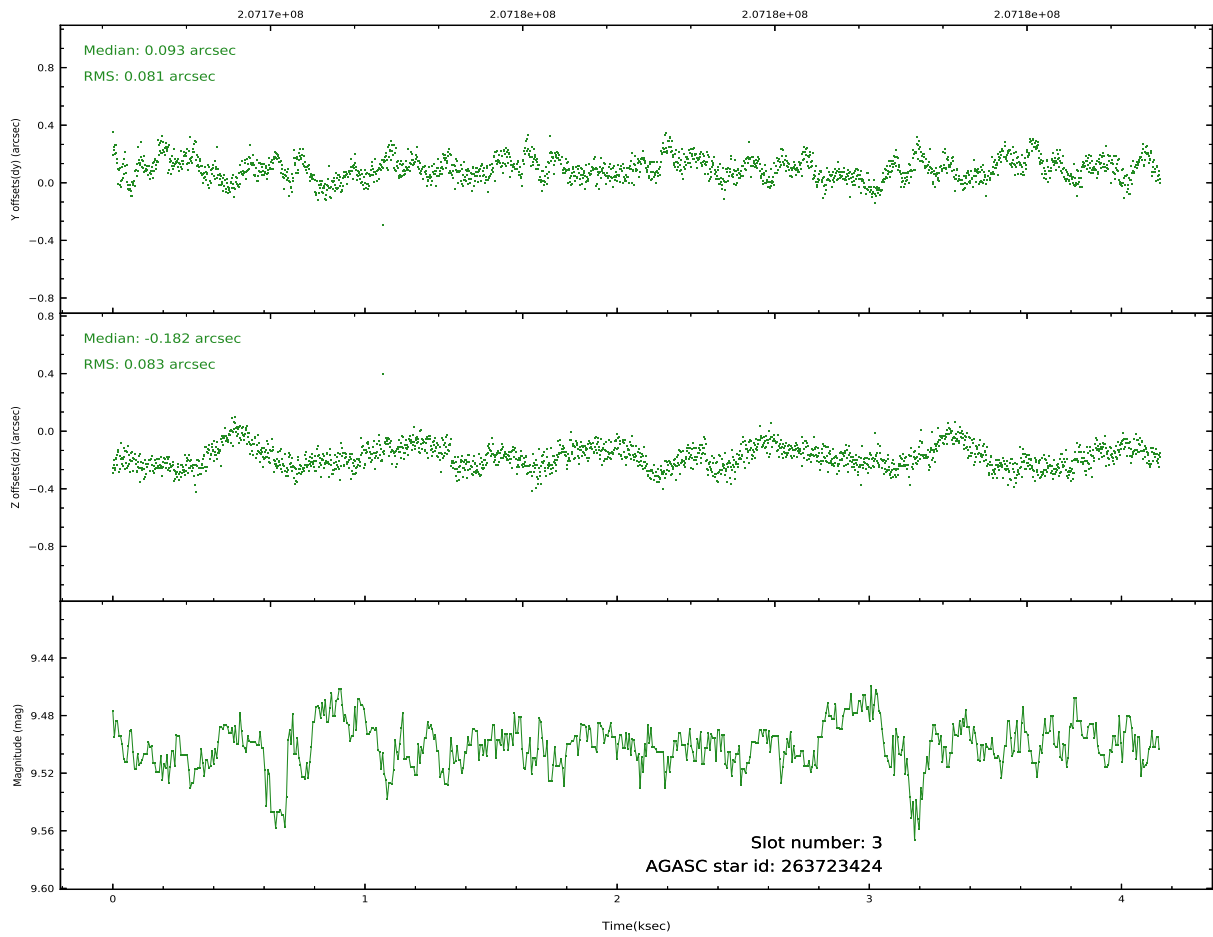
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1014	1.000	-0.091	-0.056	0.006	0.010	0.000000	0.000000	-757.79	-1732
1	FID		ACIS-S-4	7.20	1014	1.000	0.168	0.059	0.006	0.011	0.000000	0.000000	2155.02	174
2	FID		ACIS-S-5	7.23	1014	1.000	-0.108	0.006	0.006	0.011	0.000000	0.000000	-1808.77	170
3	GUIDE	used	263723424	9.50	2027	1.000	0.093	-0.182	0.124	0.196	211.868882	29.418833	1799.53	-2393
4	GUIDE	used	263849680	9.79	2021	1.000	0.122	0.115	0.135	0.213	212.915056	29.396640	991.13	786
5	GUIDE	used	263850448	9.89	1986	1.000	0.091	-0.088	0.128	0.204	212.839352	29.594956	369.14	363
6	GUIDE	used	333716008	8.97	2026	1.000	-0.051	0.046	0.083	0.132	213.233857	30.110972	-1756.49	1035
7	GUIDE	used	333717496	7.80	2026	1.000	-0.255	0.107	0.076	0.116	213.487823	30.217182	-2345.19	1687

2.4 Star Slots

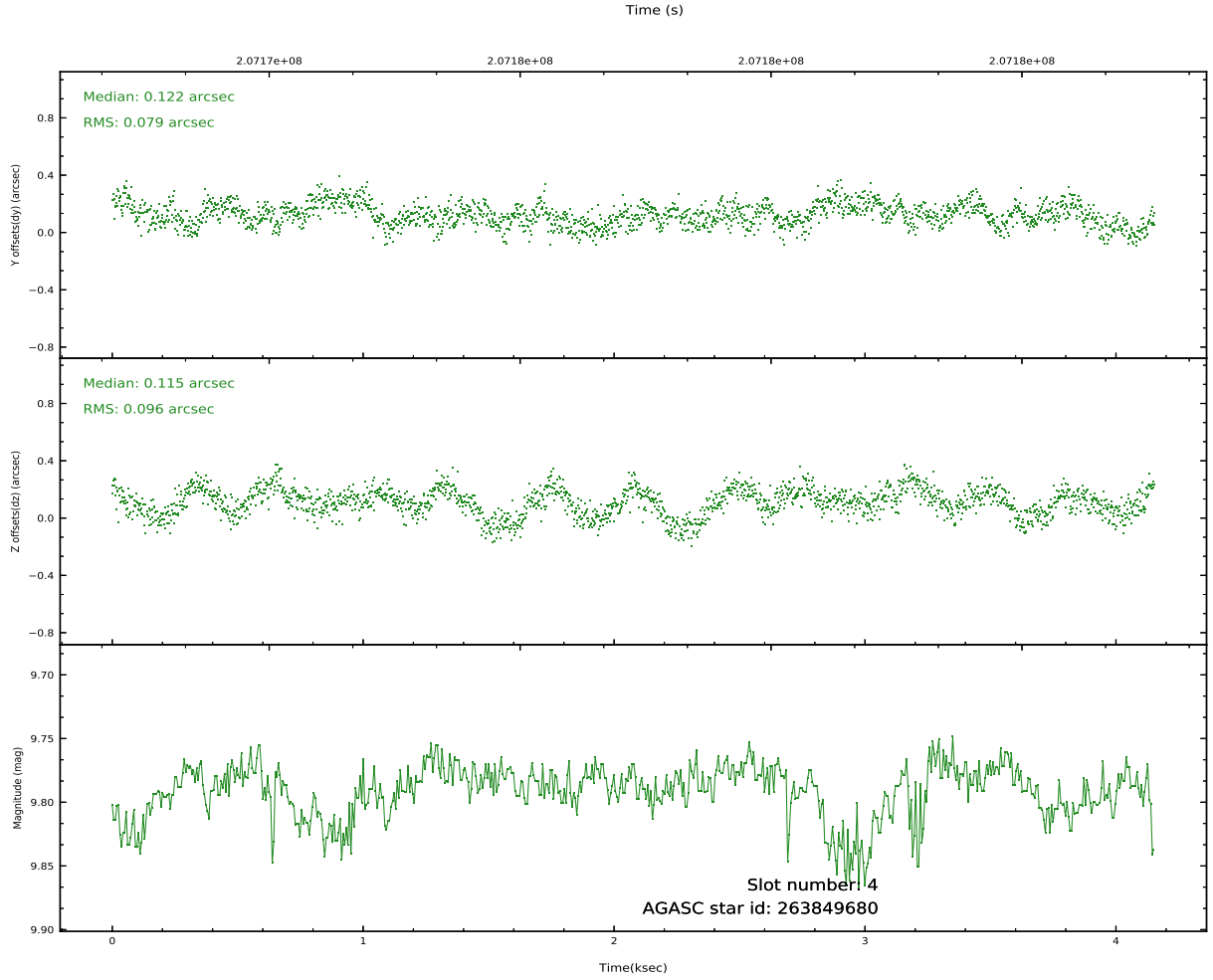
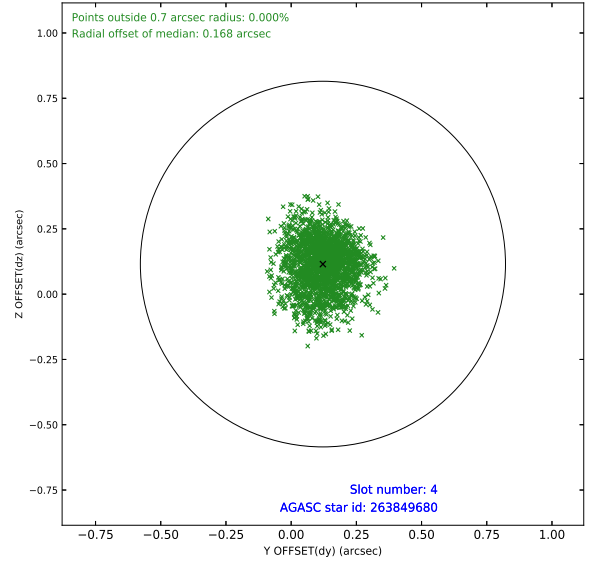
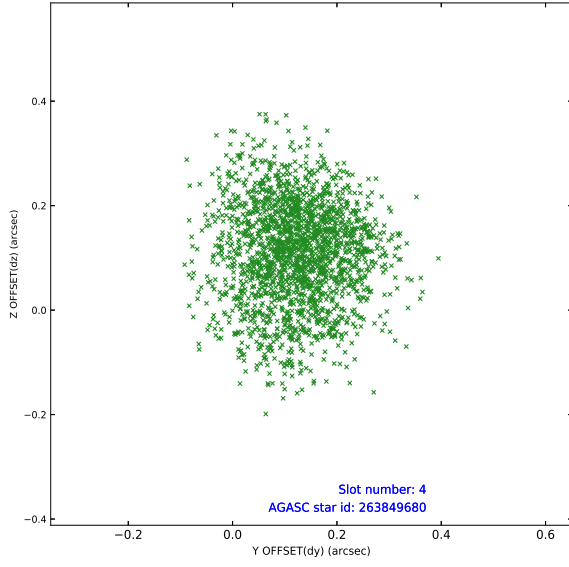
2.4.1 Slot 3



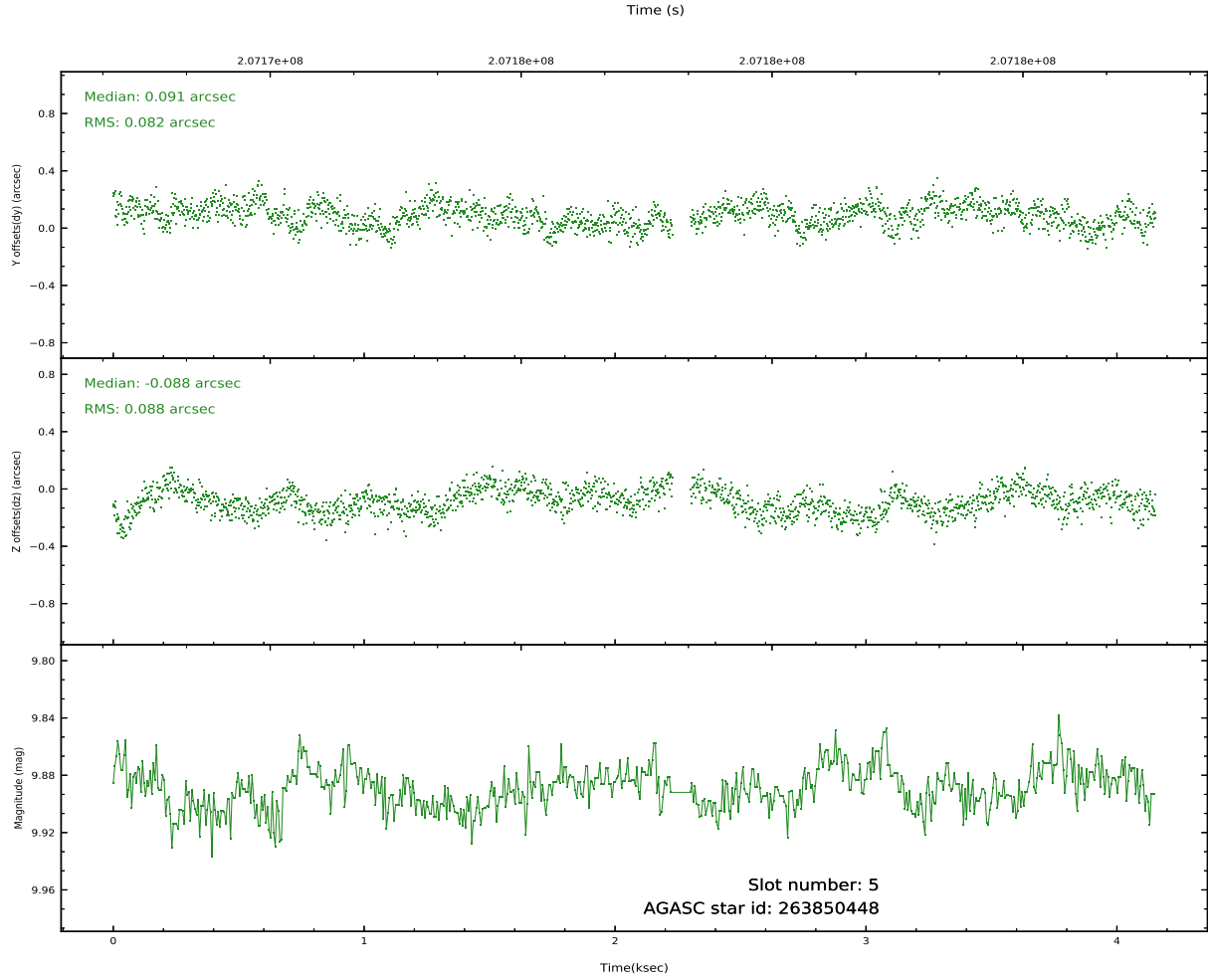
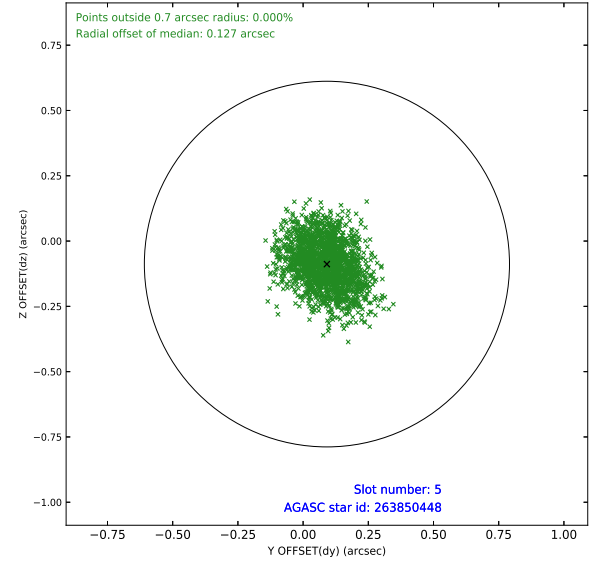
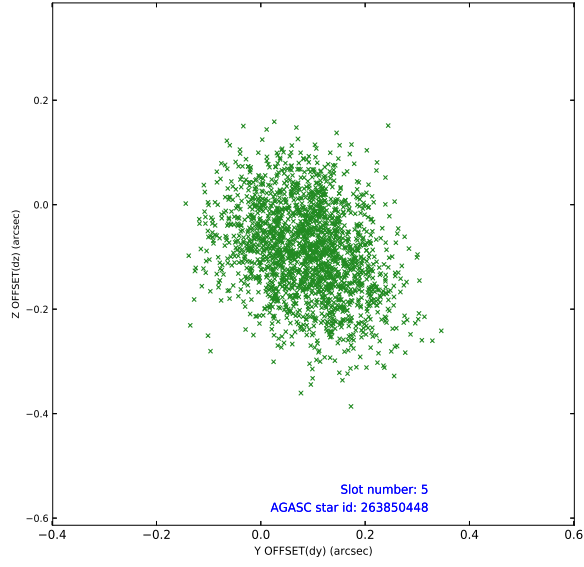
Time (s)



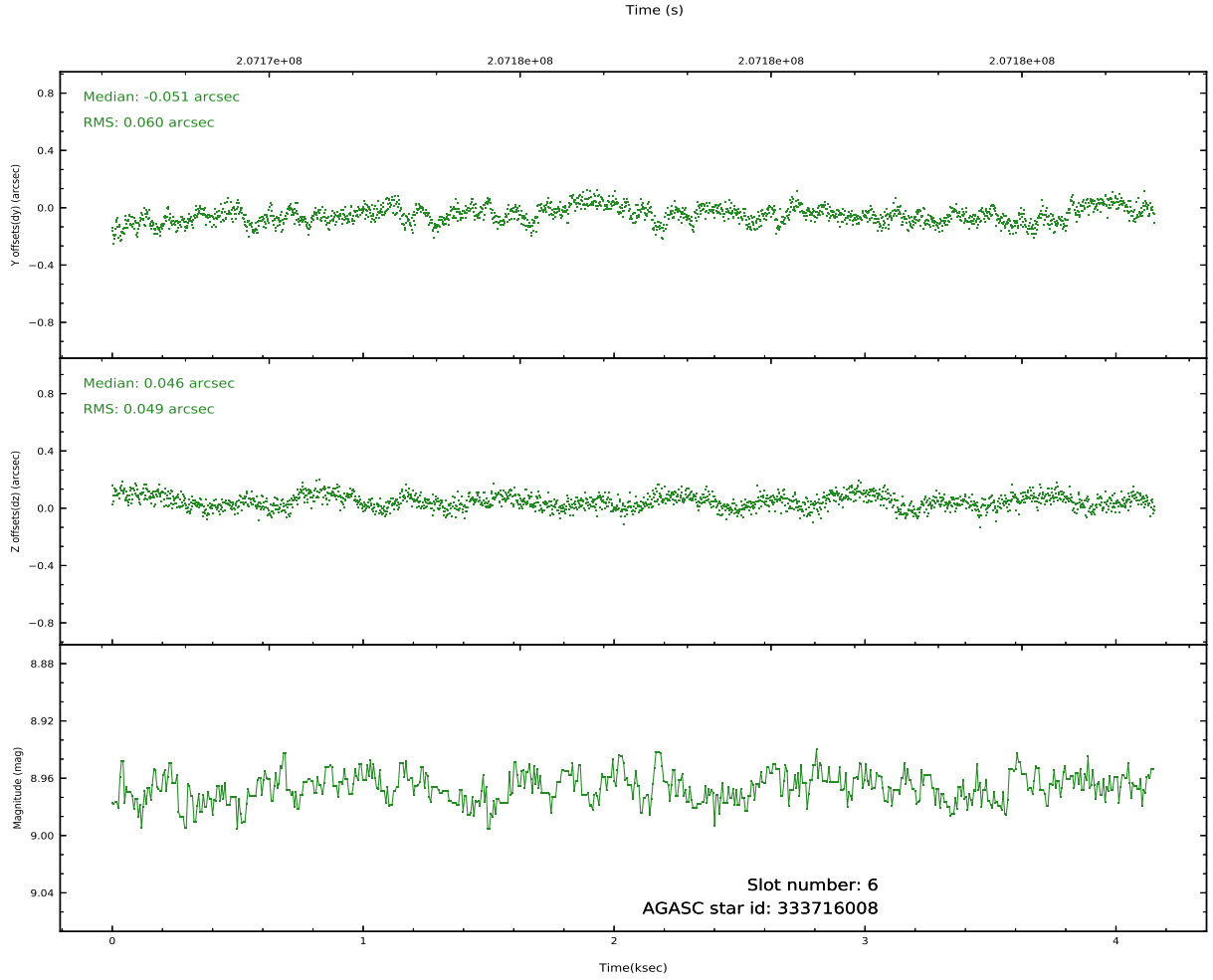
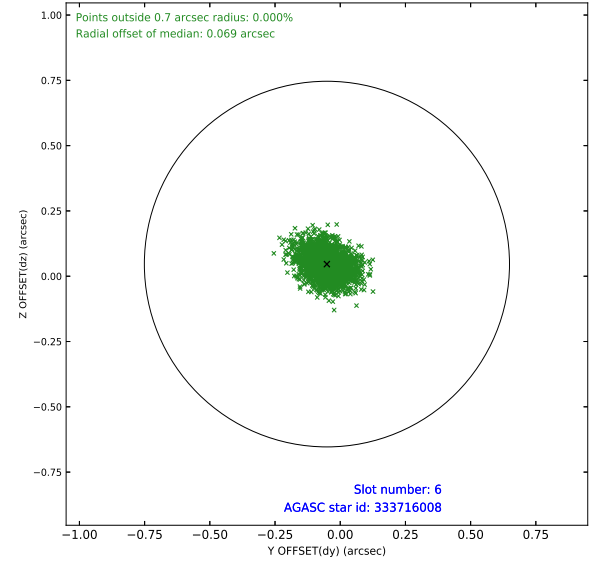
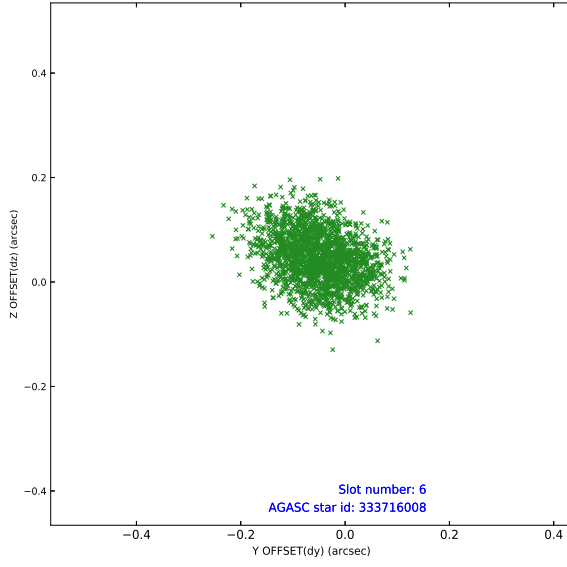
2.4.2 Slot 4



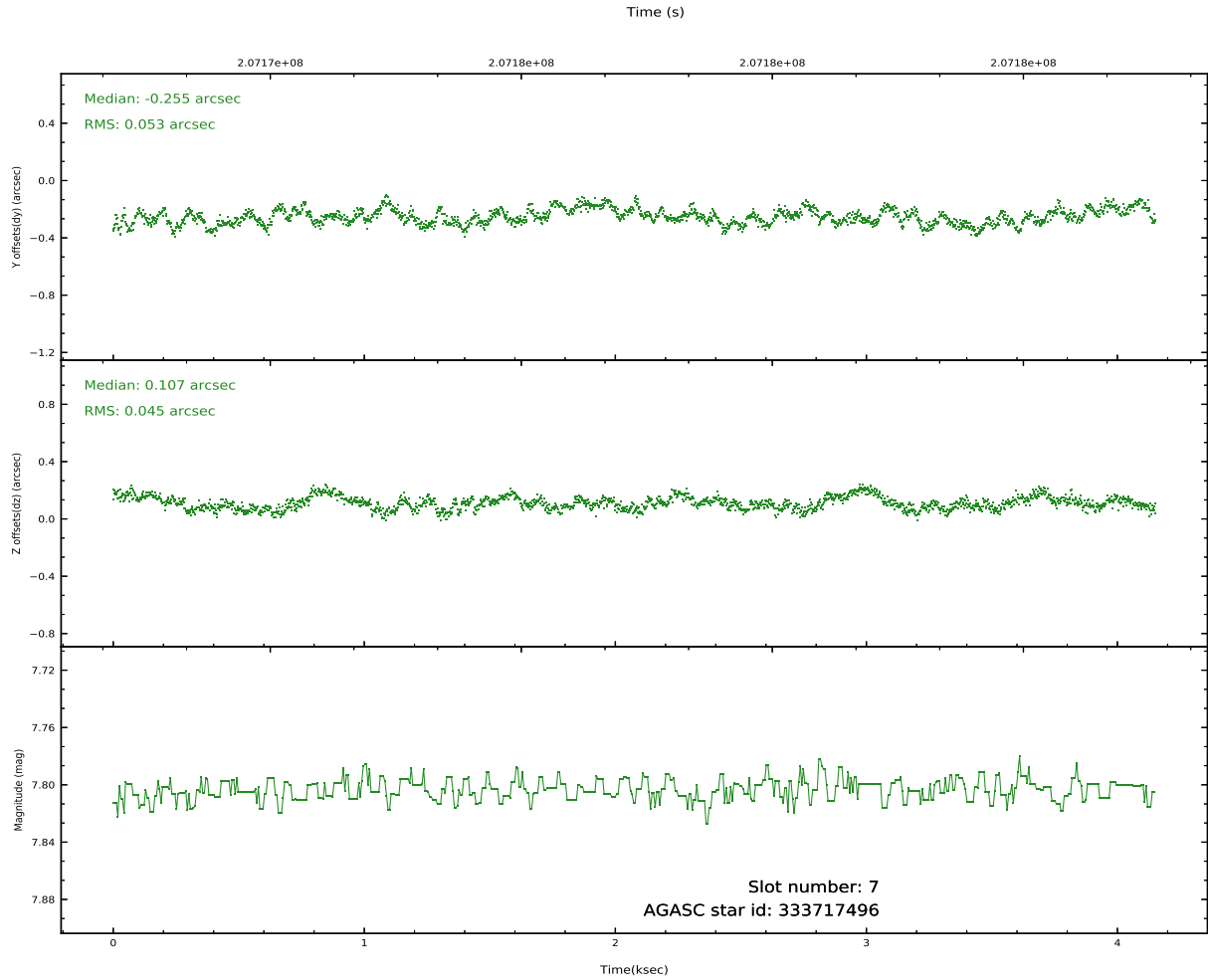
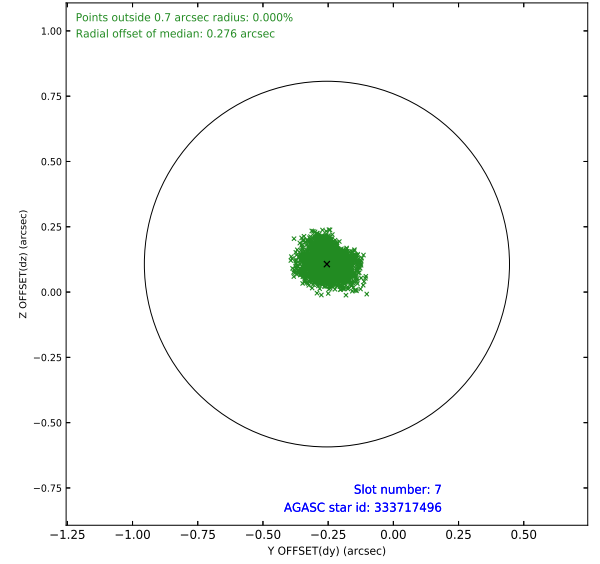
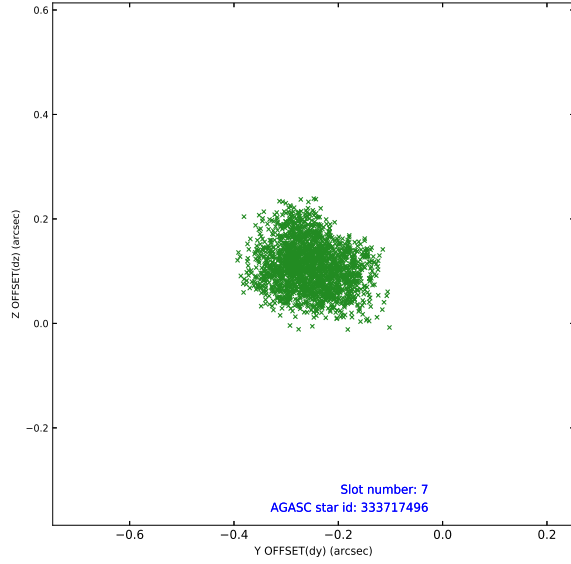
2.4.3 Slot 5



2.4.4 Slot 6

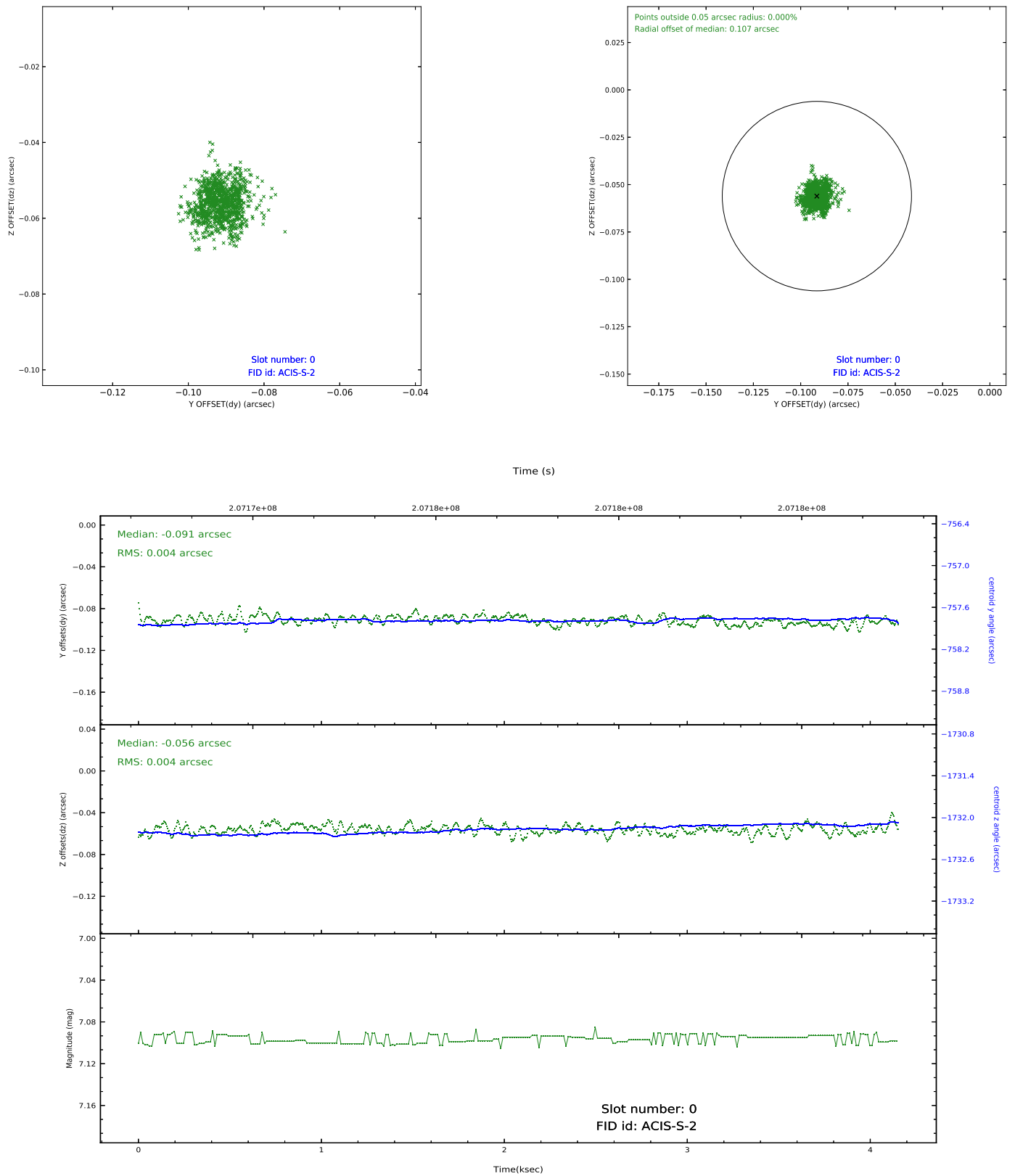


2.4.5 Slot 7

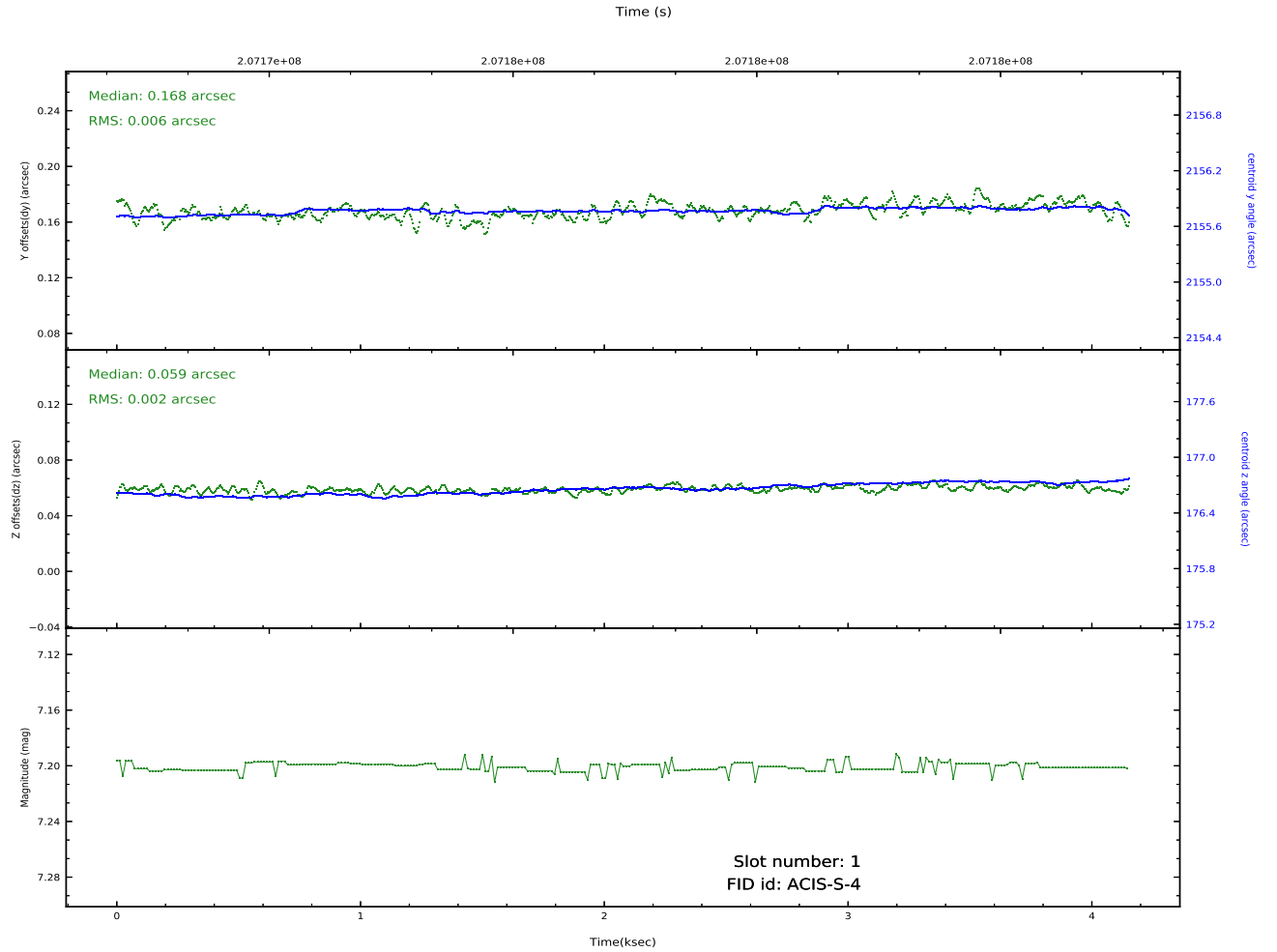
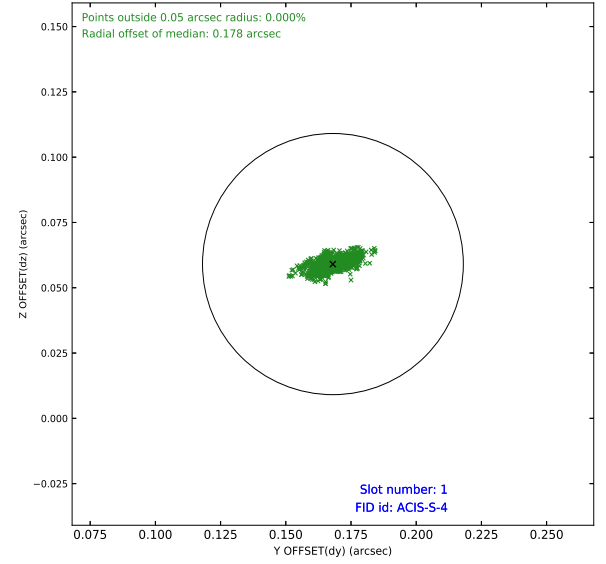
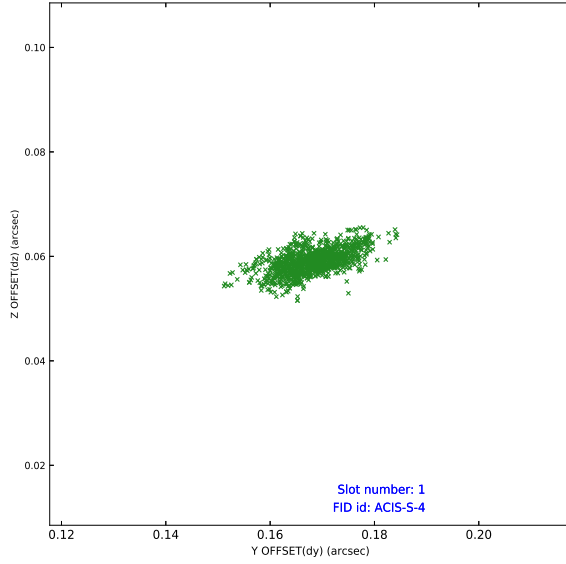


2.5 FID Slots

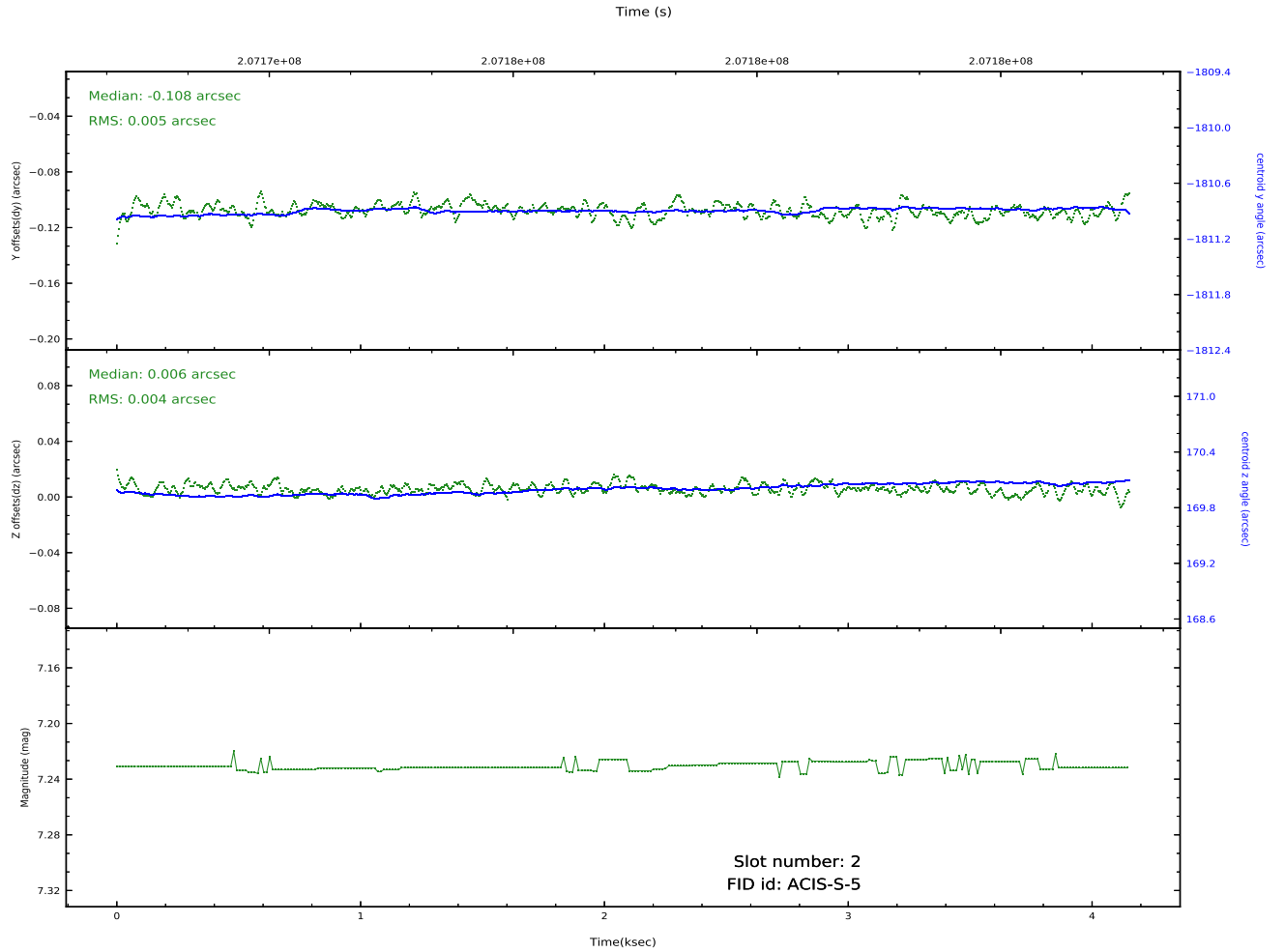
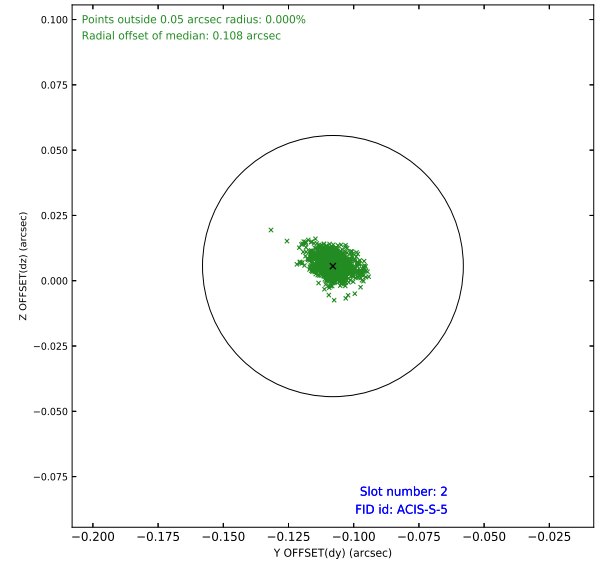
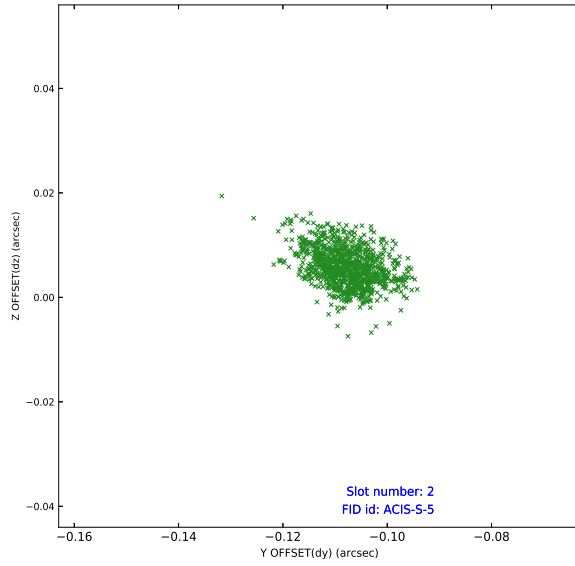
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.146

A.2 Comments