

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4794 - L2 Version 4
Chandra X-Ray Center

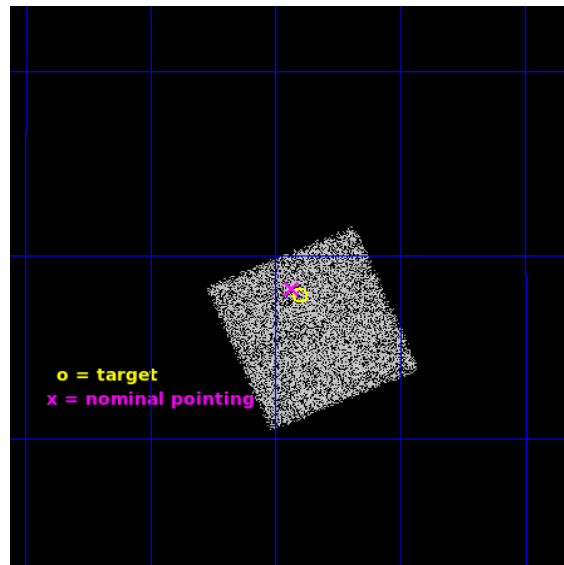
L2 Processing Date : Sep 23 2020

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1 Front

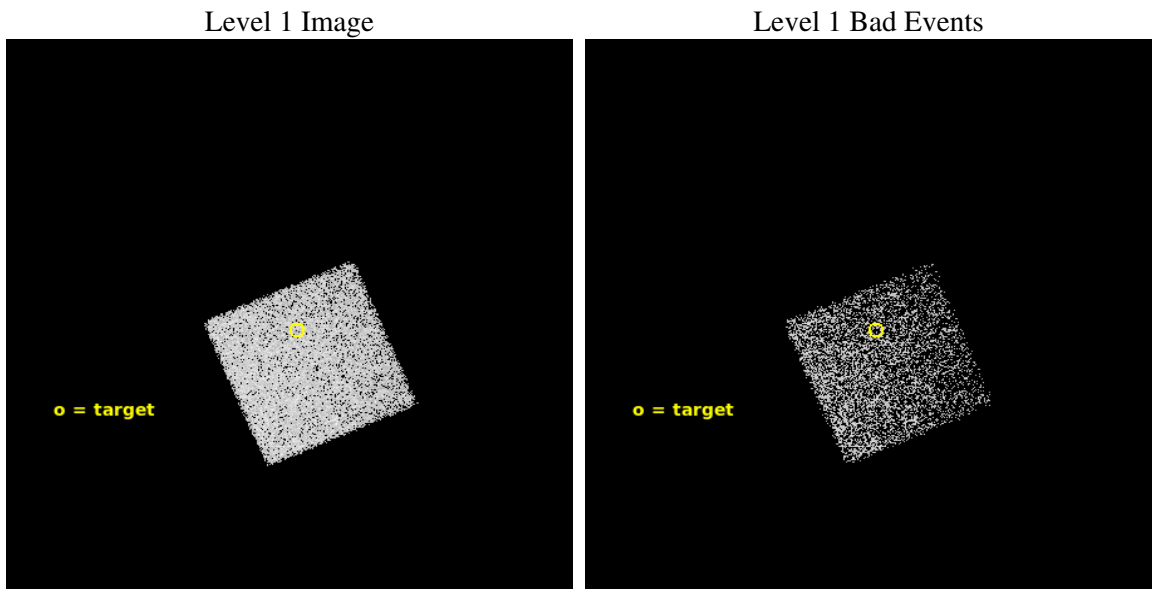
seq_num	700877	Sequence number
obs_id	4794	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1525-5541	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.475417	Observer's specified target RA [deg]
dec_targ	29.464389	Observer's specified target Dec [deg]
ra_nom	231.48352983342	Nominal RA [deg]
dec_nom	29.469824708986	Nominal Dec [deg]
roll_nom	66.723811320286	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5220.0	Sum of GTIs [s]
livetime	5149.5540999132	Livetime [s]
ontime7	5220.0	Sum of GTIs [s]
l2events	17055	Number of level 2 events



2 OBI

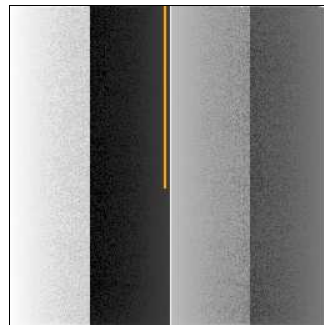
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5220.0	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5220.0	Sum of GTIs [s]
date	2020-09-23T15:27:18	Date and time of file creation	l1events	41965	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

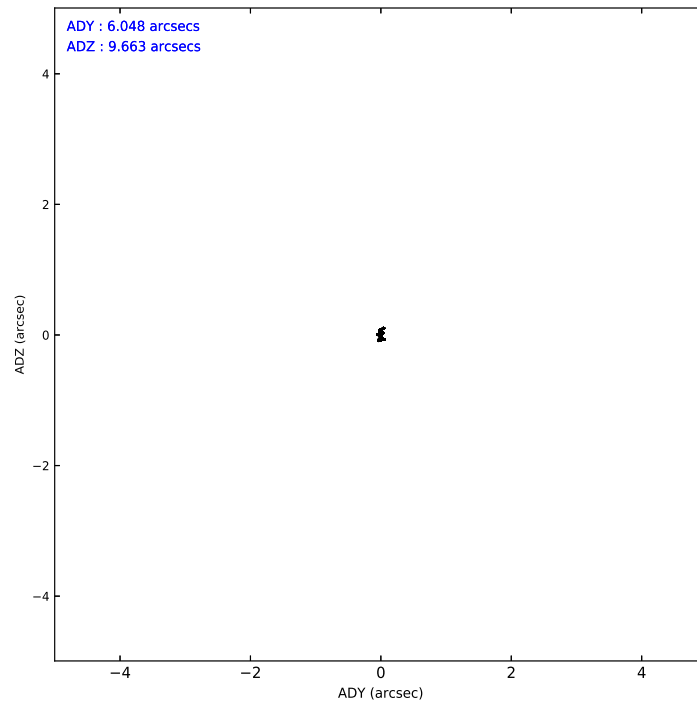
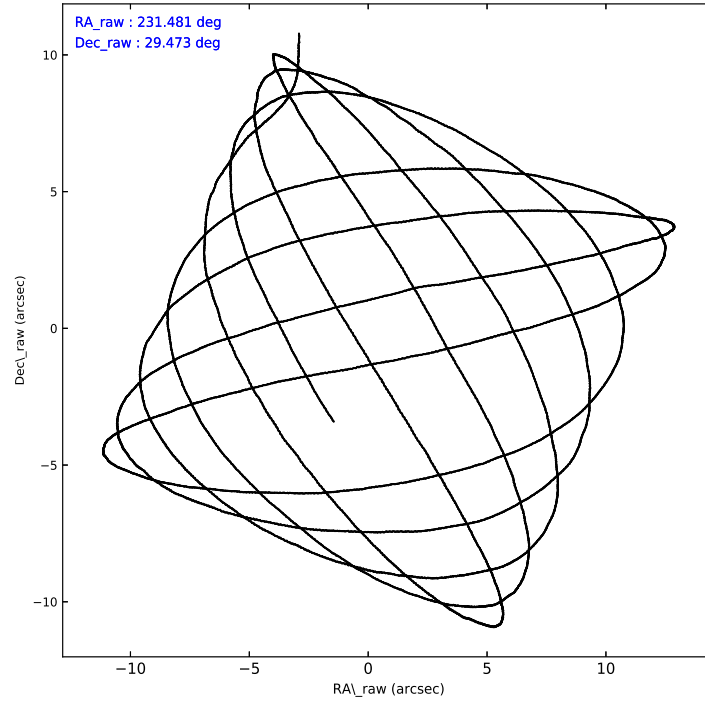
	ccd 7
level 1 events	41965
rejected events	24401
rejected %	58%

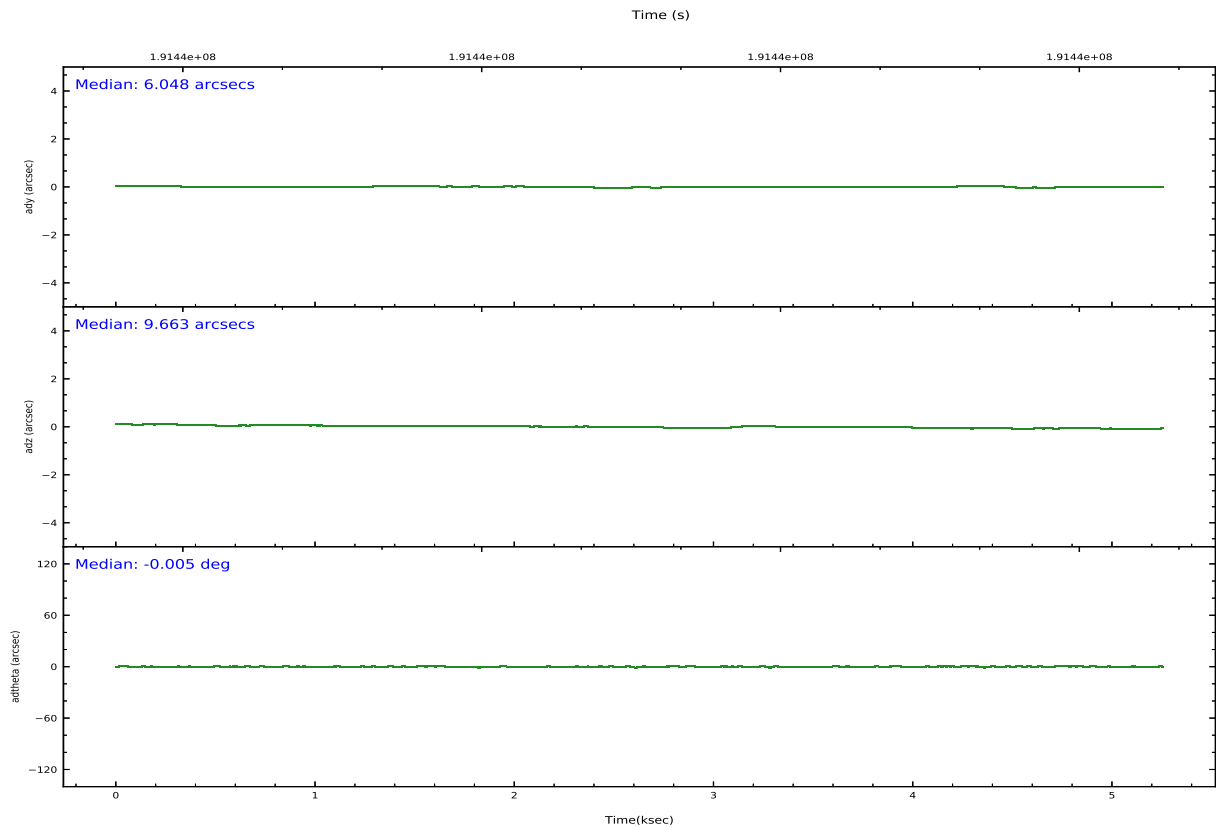
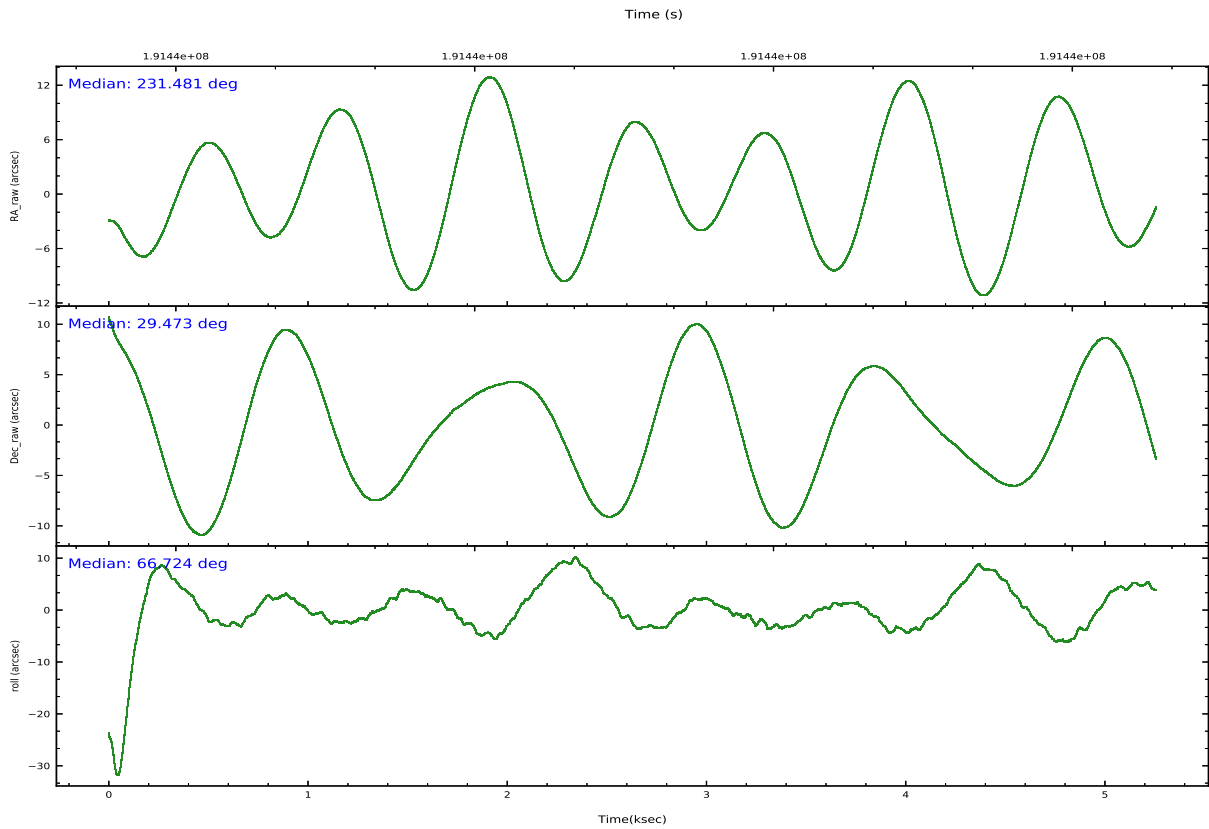
	ccd 7
grade 0 events	1680
	4%
grade 1 events	35
	0%
grade 2 events	3440
	8%
grade 3 events	1634
	3%
grade 4 events	1579
	3%
grade 5 events	3931
	9%
grade 6 events	9618
	22%
grade 7 events	20048
	47%

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	231.485600	231.48352983342	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.445465	29.469824708986	Alternating exposures requested	N	N
[deg] Pointing Roll	66.560399	66.723811320286	[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)	191437188.184000	191436056.16592			
Observation start date	2004-01-25T16:58:44	2004-01-25T16:40:56			
[s] Observation end time (MET)	191441888.184000	191442235.37868			
Observation end date	2004-01-25T18:17:04	2004-01-25T18:23:55			
Read mode	TIMED	TIMED			

2.3 Aspect



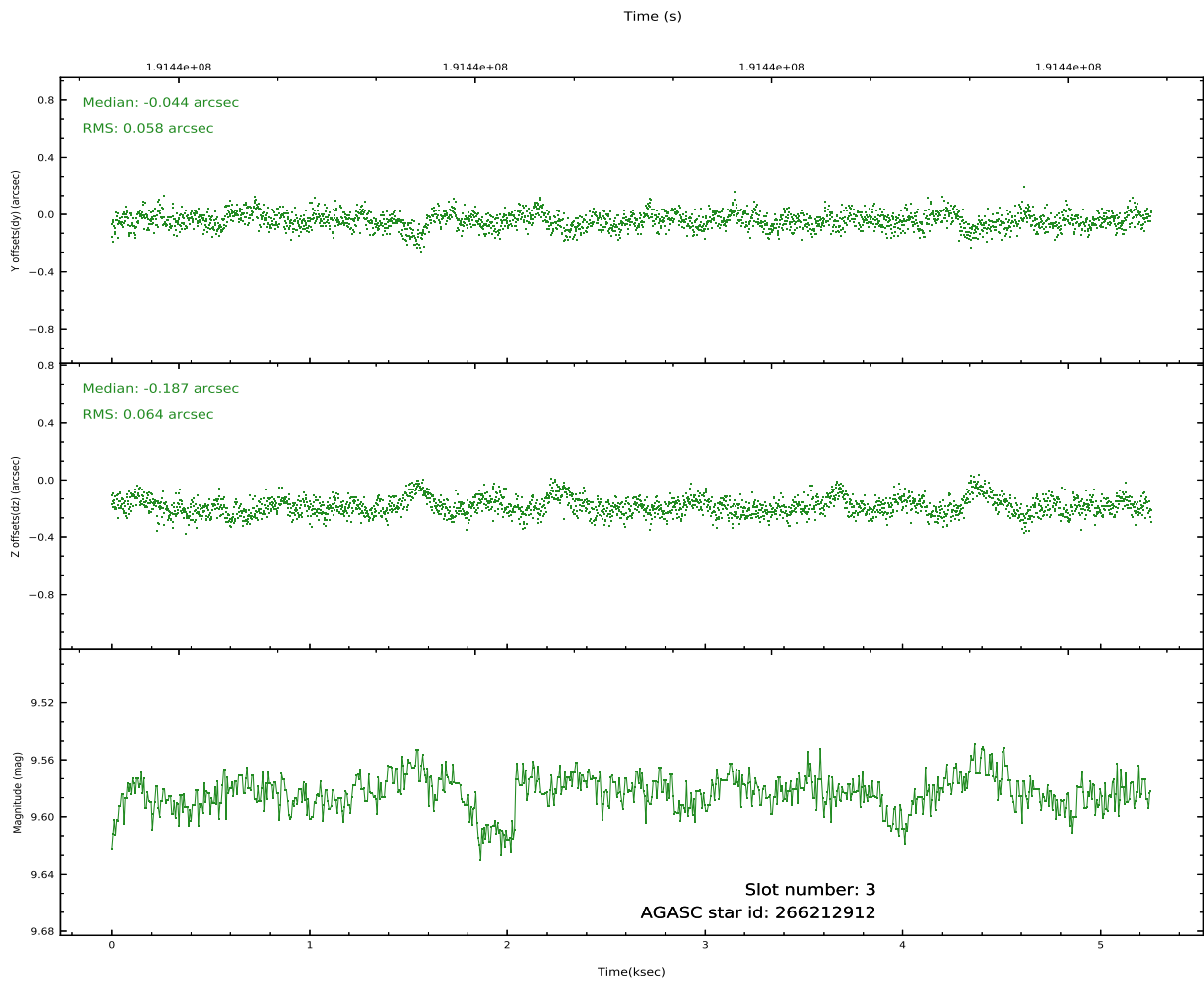
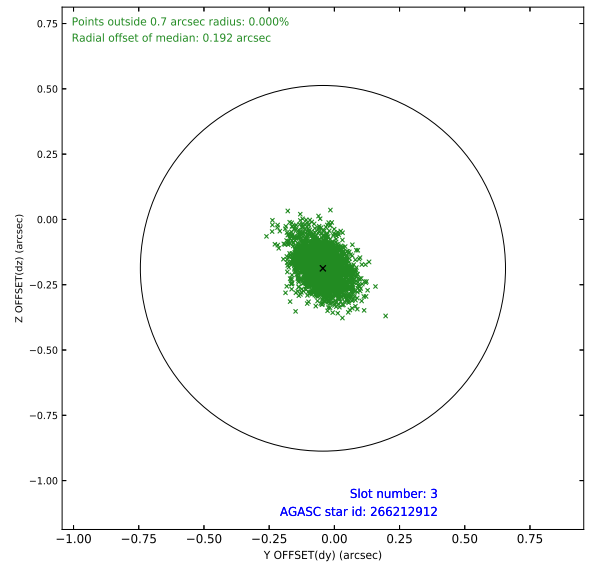
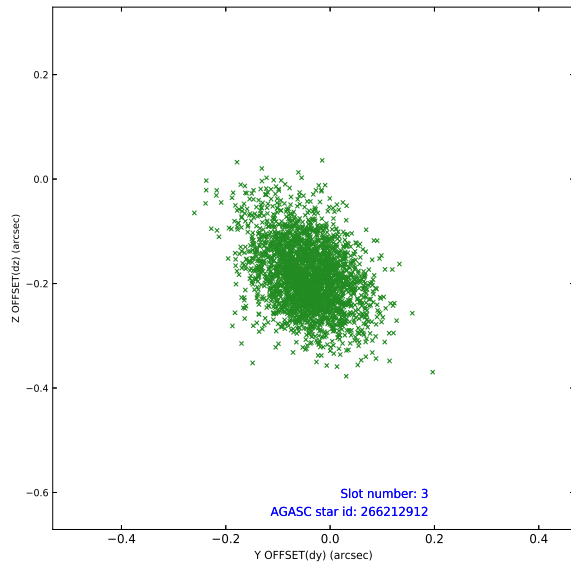


Slot Statistics

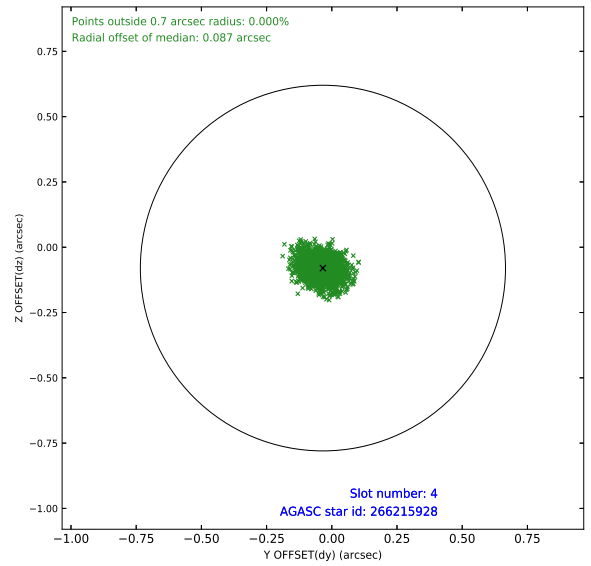
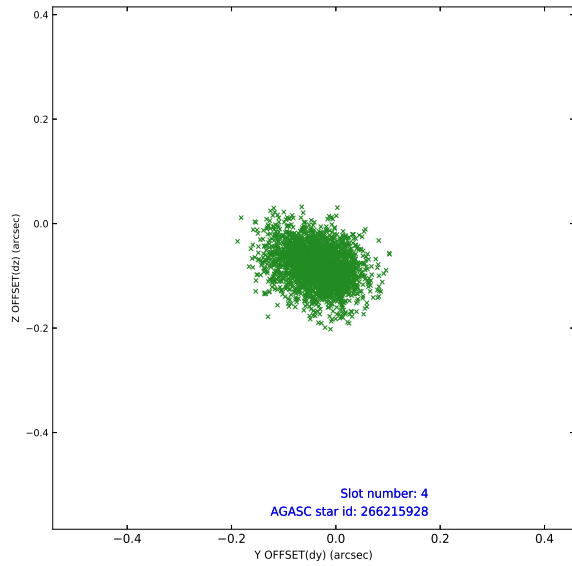
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1283	1.000	-0.079	-0.059	0.006	0.010	0.000000	0.000000	-758.81	-1730
1	FID		ACIS-S-4	7.20	1283	1.000	0.128	0.054	0.005	0.009	0.000000	0.000000	2154.11	176
2	FID		ACIS-S-5	7.23	1283	1.000	-0.080	0.014	0.006	0.010	0.000000	0.000000	-1810.22	171
3	GUIDE	used	266212912	9.58	2564	1.000	-0.044	-0.187	0.089	0.155	231.547551	29.728593	1012.24	227
4	GUIDE	used	266215928	8.27	2566	1.000	-0.034	-0.080	0.061	0.104	231.261301	29.146197	-1267.96	218
5	GUIDE	used	266216280	9.11	2563	1.000	0.119	-0.069	0.078	0.128	230.814626	29.031614	-2202.13	1347
6	GUIDE	used	266344016	10.18	2561	1.000	-0.132	0.152	0.134	0.215	232.020185	29.873476	2080.15	-916
7	GUIDE	used	266349584	10.23	2565	1.000	0.091	0.187	0.146	0.242	231.862194	28.819775	-1591.39	-1985

2.4 Star Slots

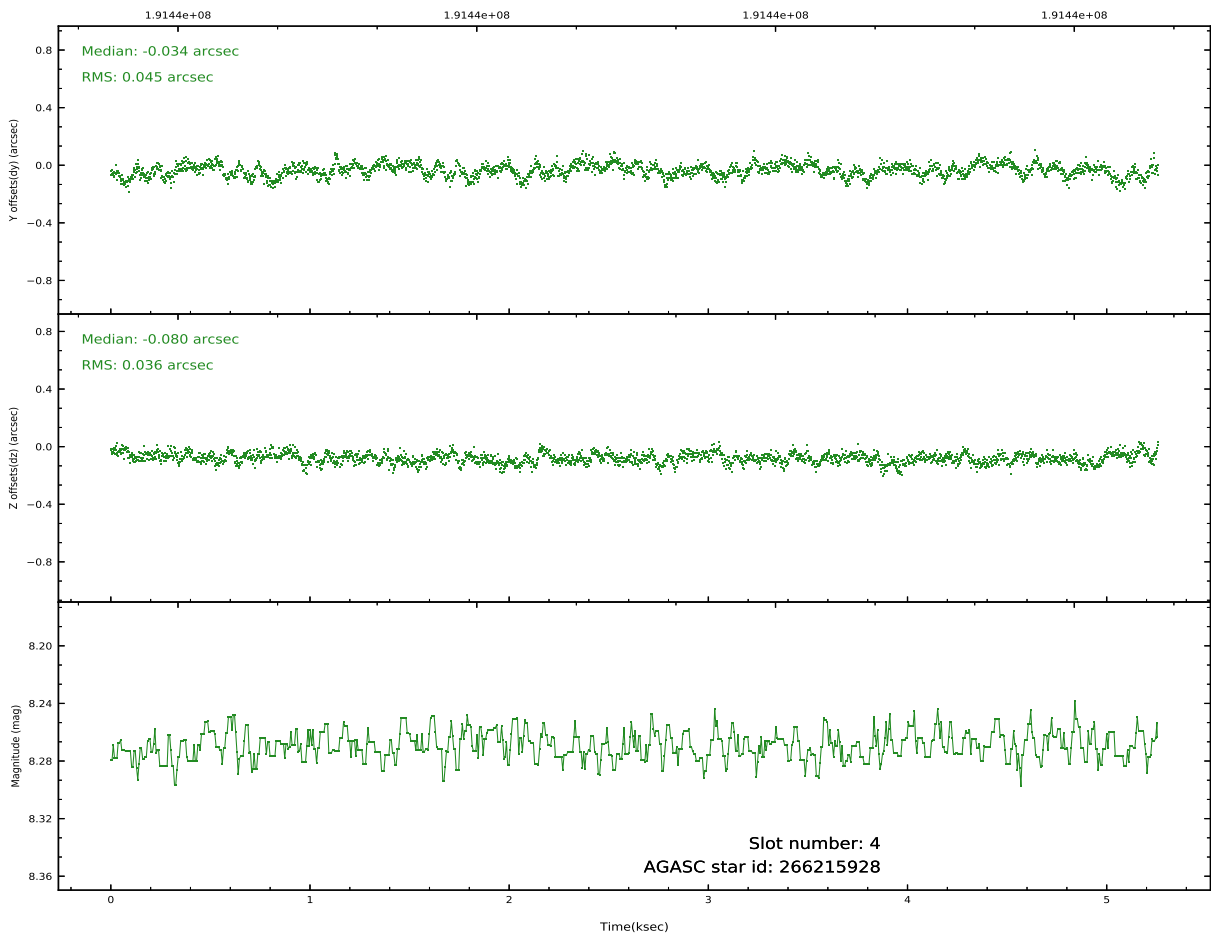
2.4.1 Slot 3



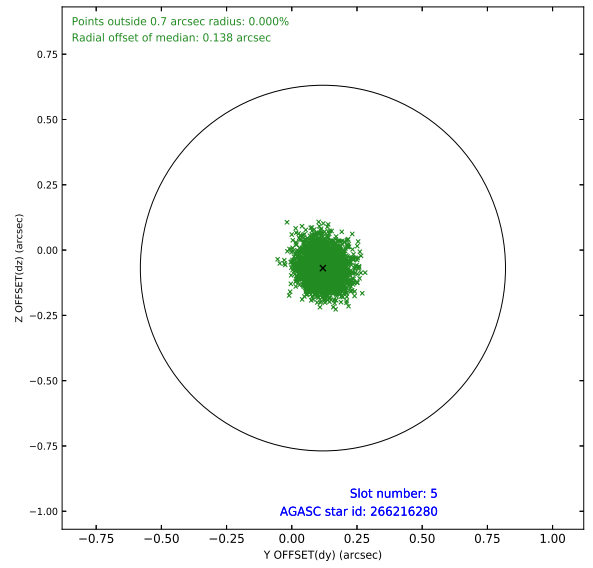
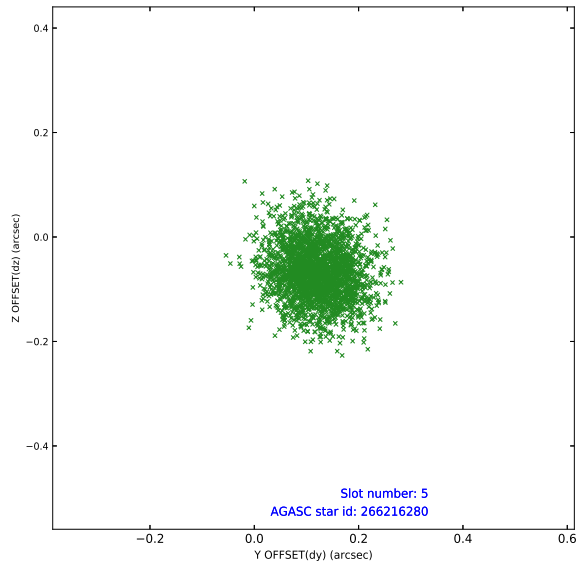
2.4.2 Slot 4



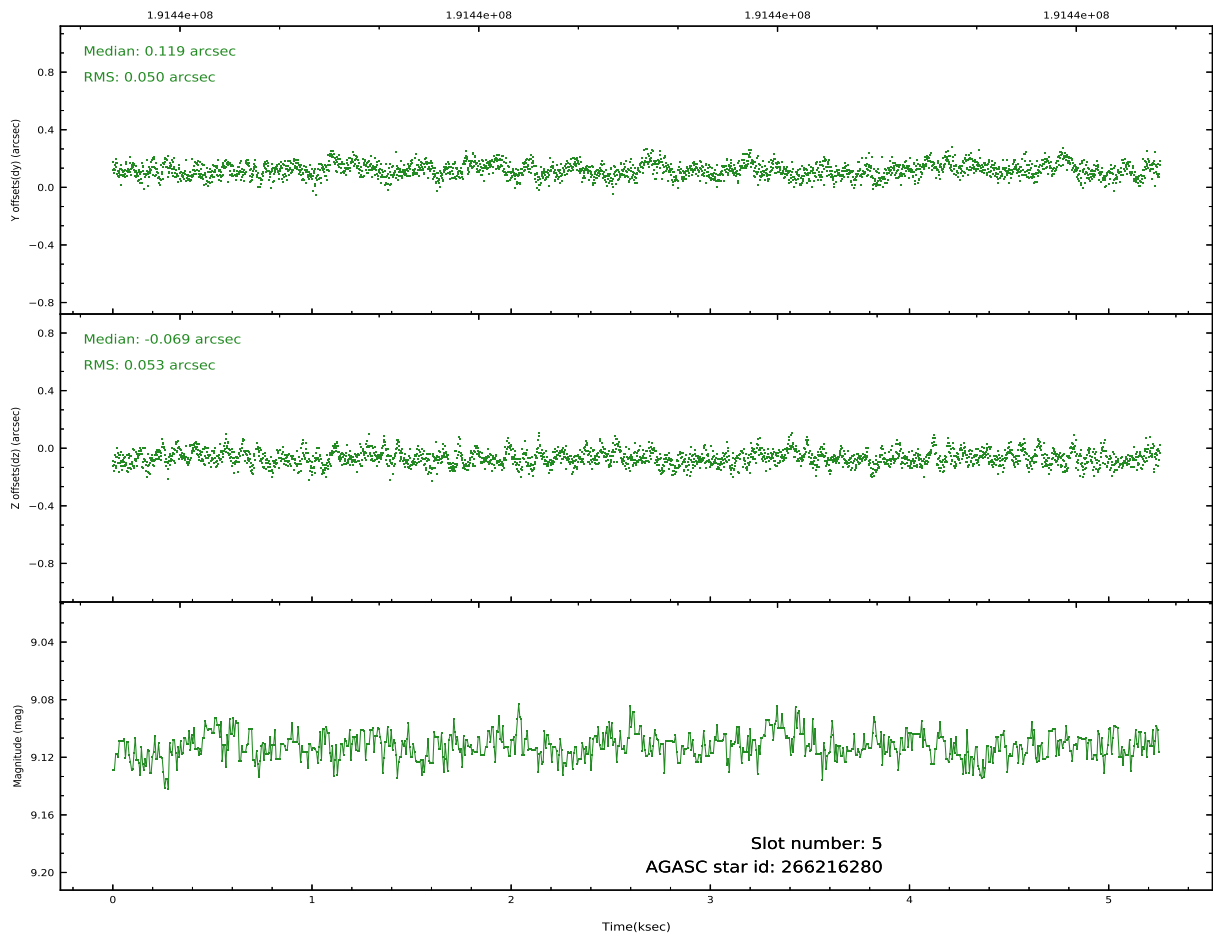
Time (s)



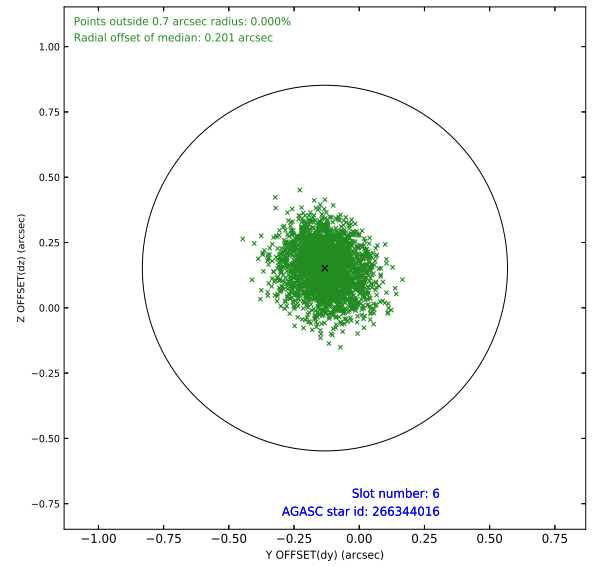
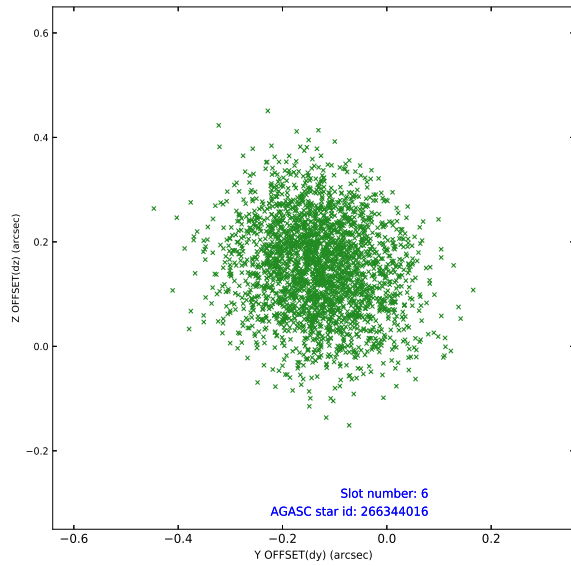
2.4.3 Slot 5



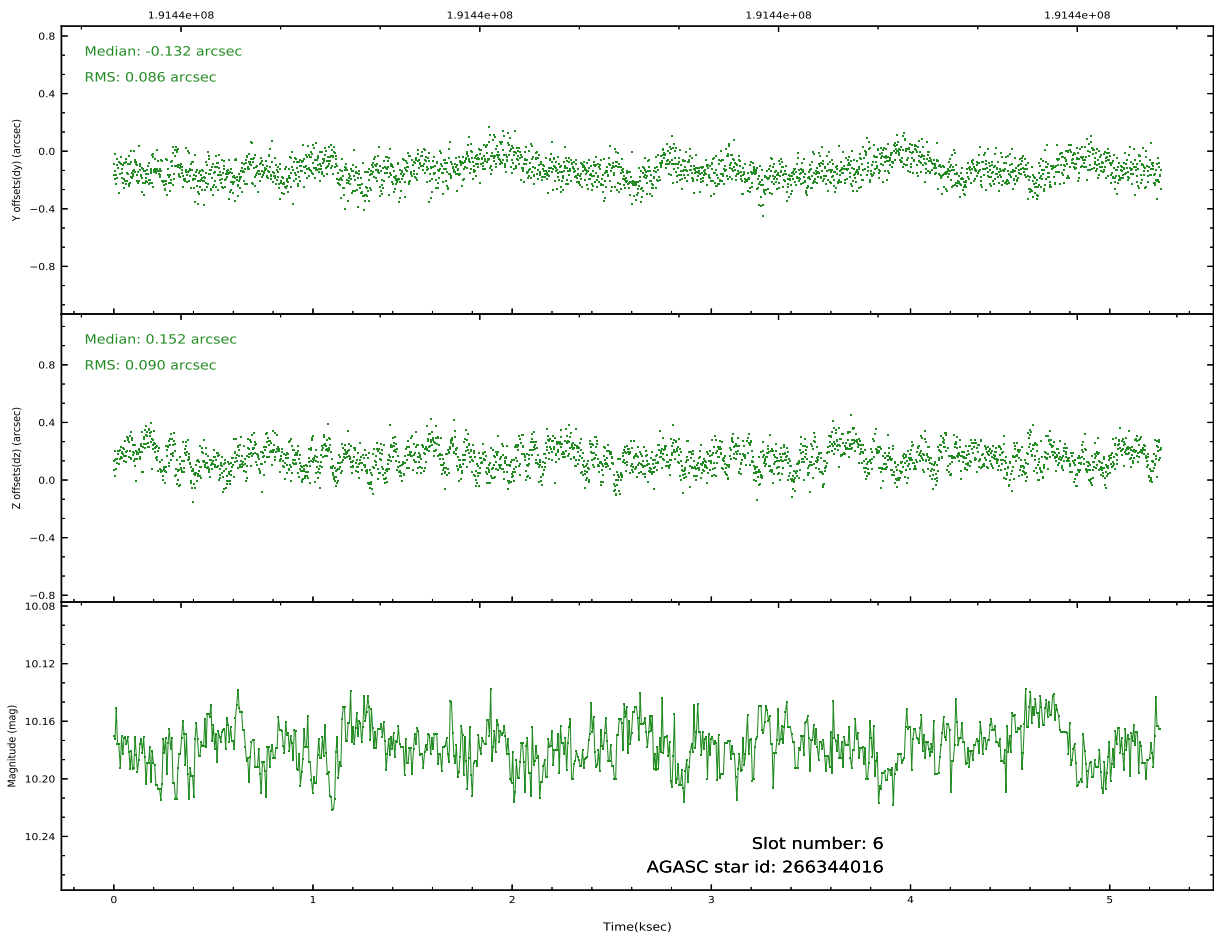
Time (s)



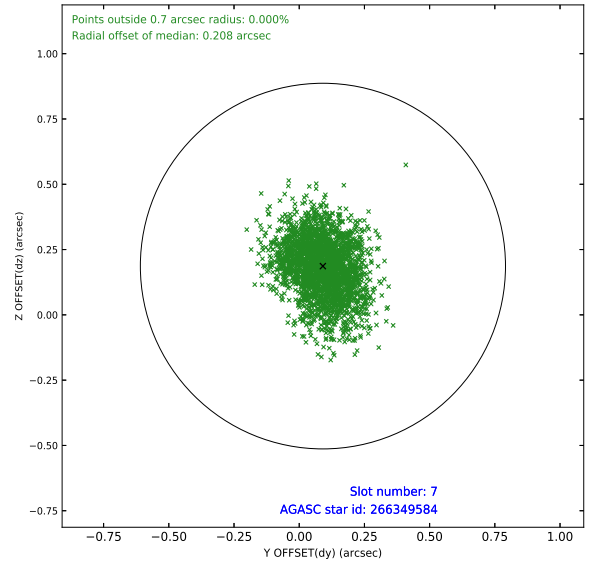
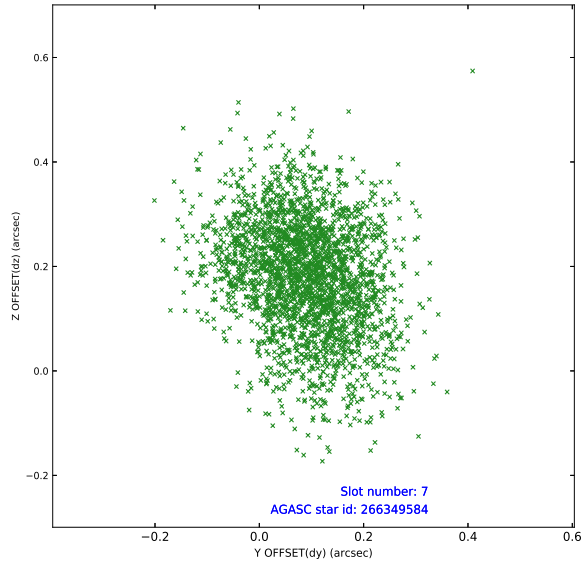
2.4.4 Slot 6



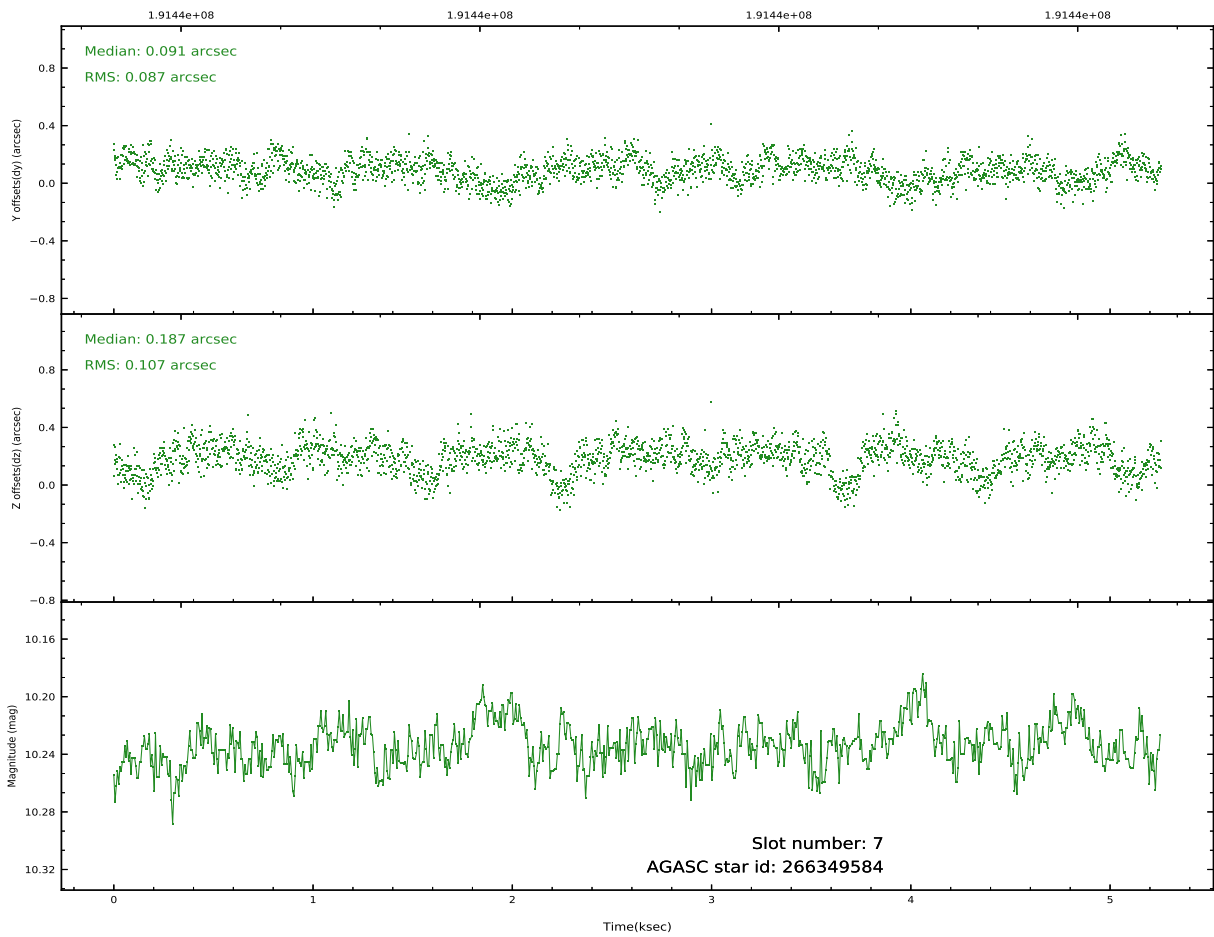
Time (s)



2.4.5 Slot 7

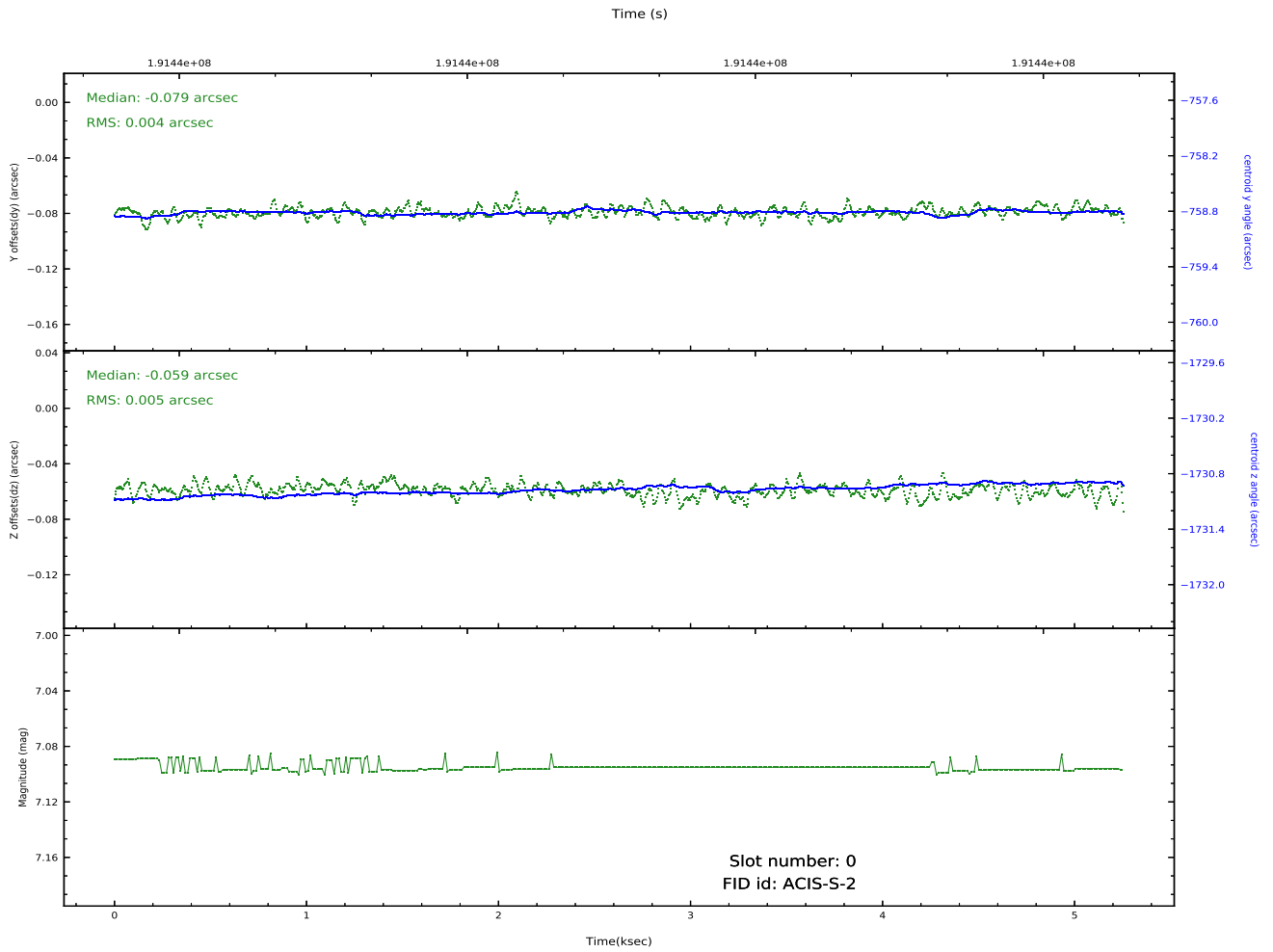
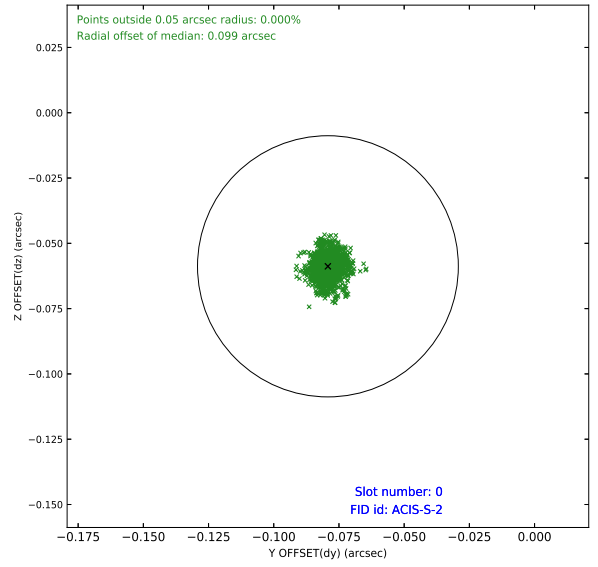
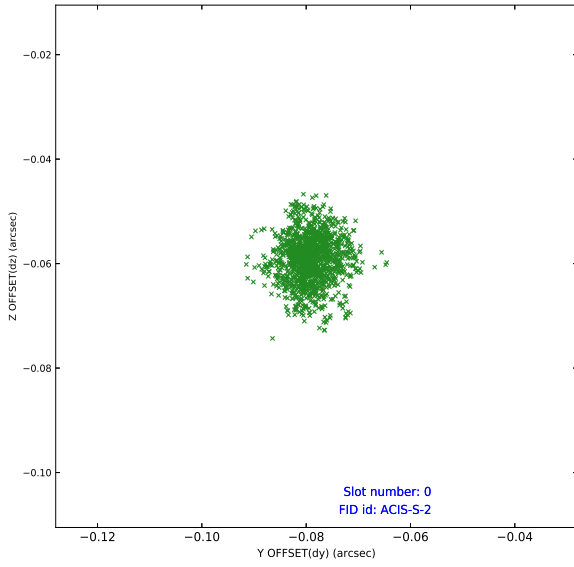


Time (s)

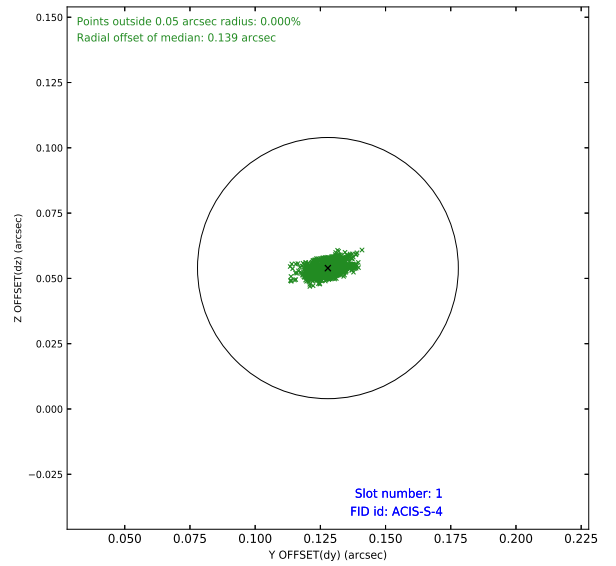
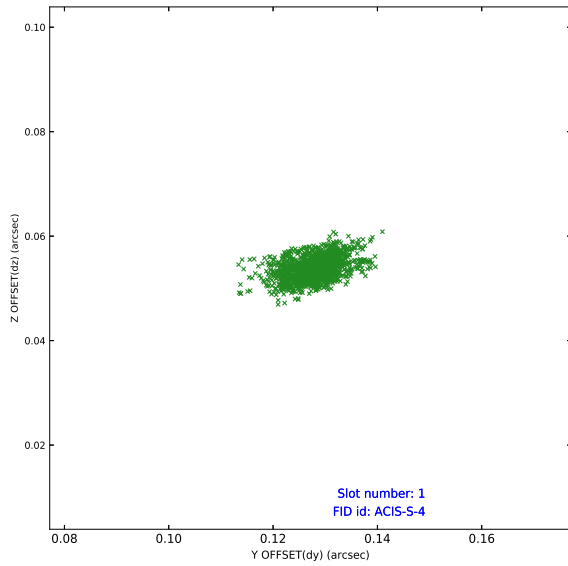


2.5 FID Slots

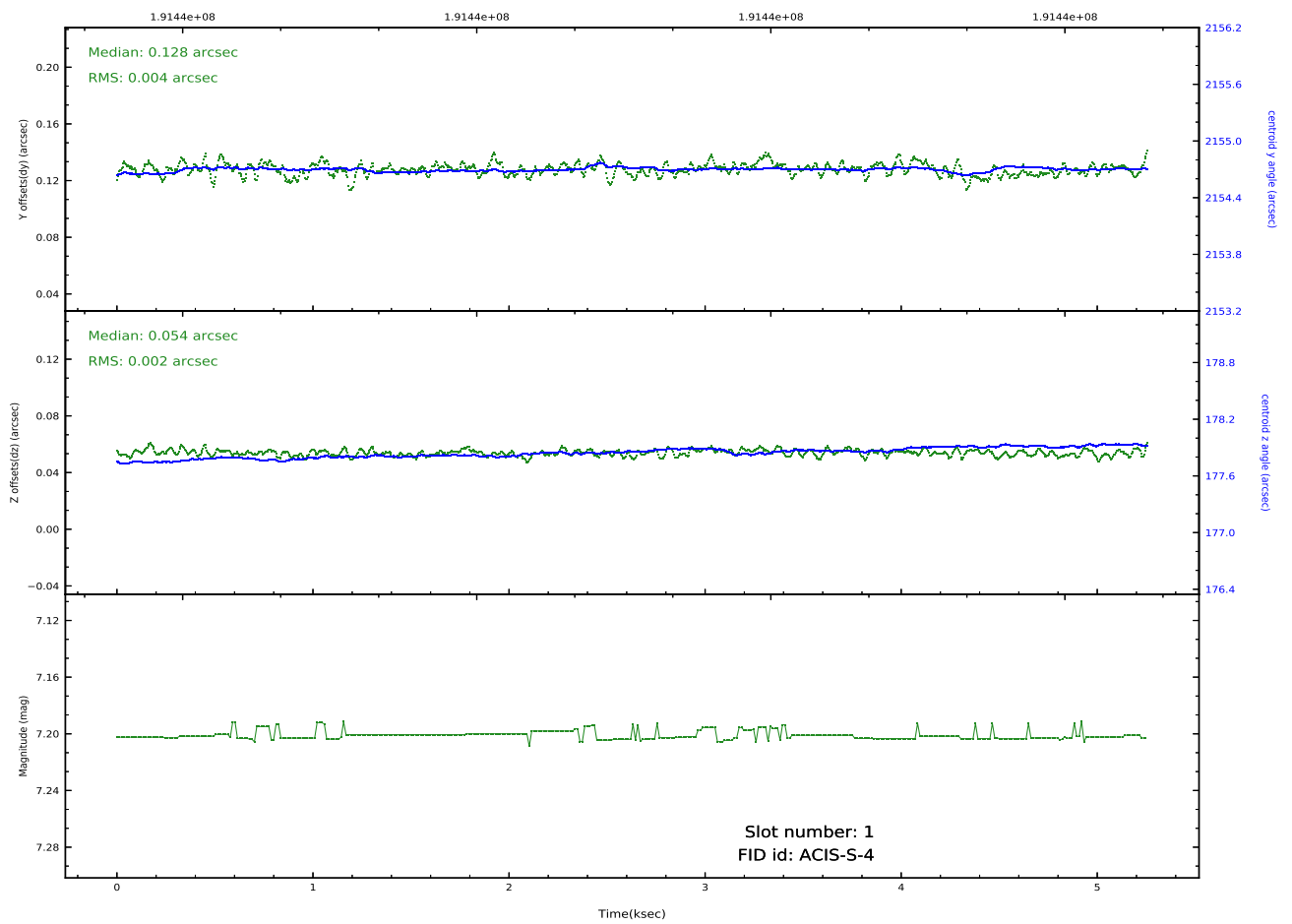
2.5.1 Slot 0



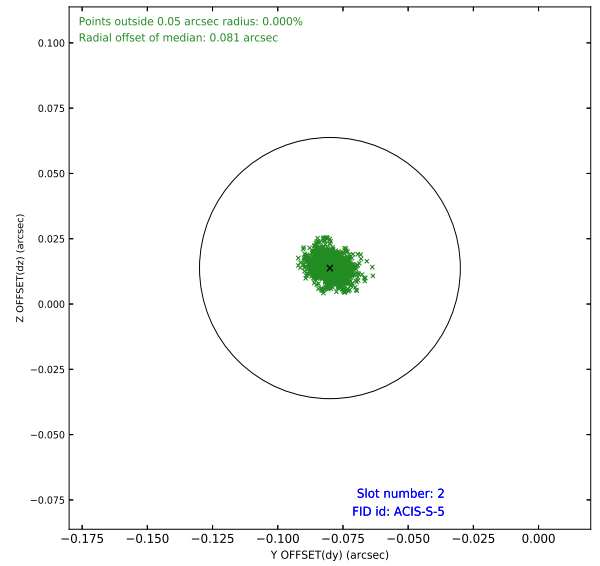
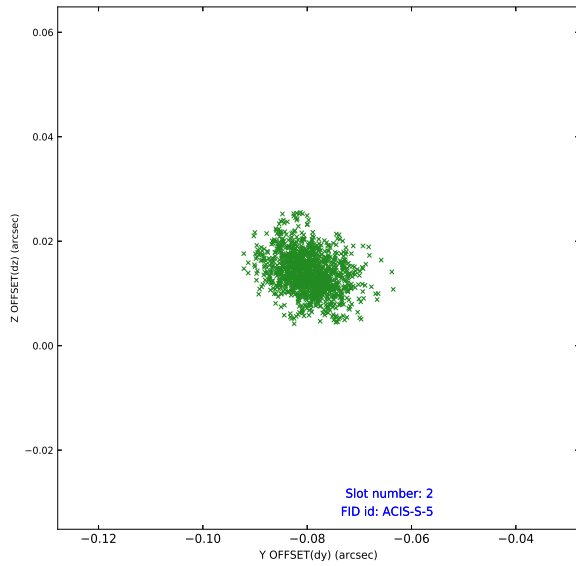
2.5.2 Slot 1



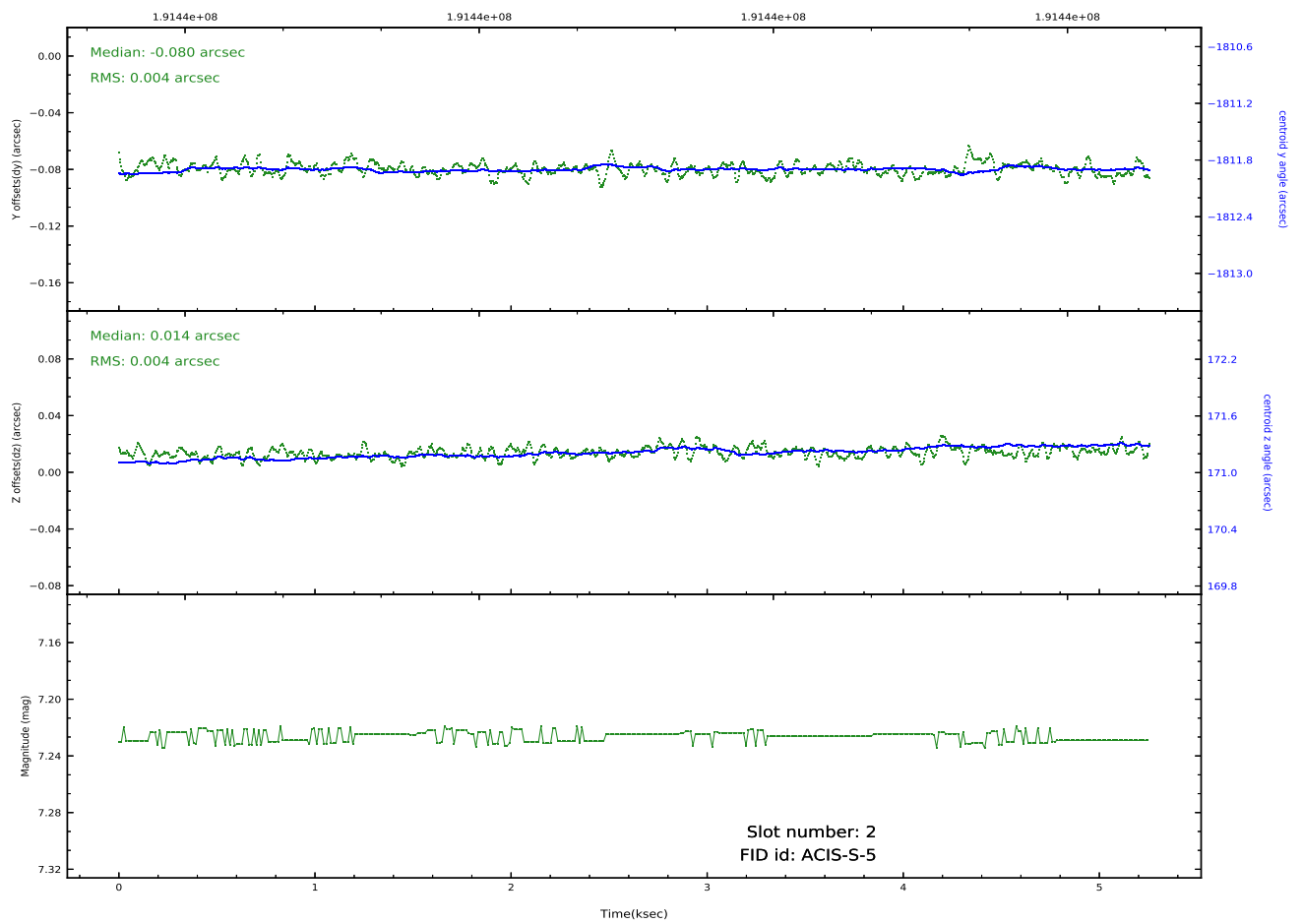
Time (s)



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	5.22

A.2 Comments