

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4796 - L2 Version 4
Chandra X-Ray Center

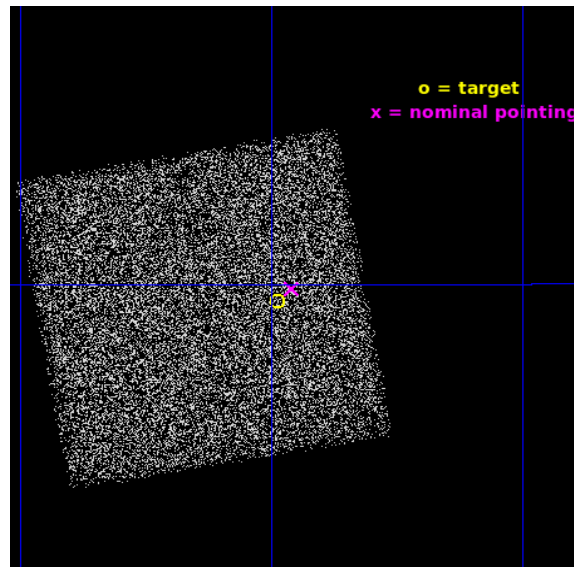
L2 Processing Date : Sep 25 2020

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

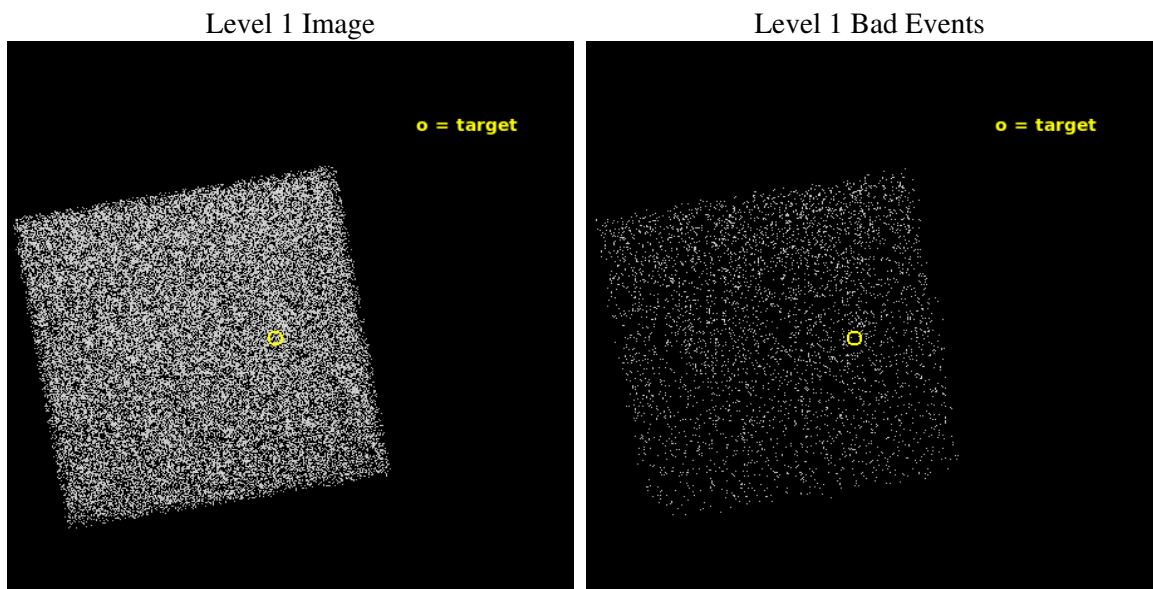
seq_num	700879	Sequence number
obs_id	4796	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1530-4898	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.747083	Observer's specified target RA [deg]
dec_targ	28.992306	Observer's specified target Dec [deg]
ra_nom	232.7396973194	Nominal RA [deg]
dec_nom	28.997880175772	Nominal Dec [deg]
roll_nom	170.1145634568	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4665.0	Sum of GTIs [s]
livetime	4602.0440375661	Livetime [s]
ontime7	4665.0	Sum of GTIs [s]
l2events	26521	Number of level 2 events



2 OBI

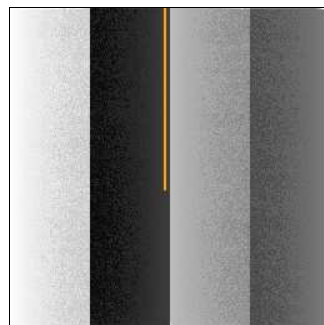
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4135.028000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4665.0	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	4665.0	Sum of GTIs [s]
date	2020-09-25T19:21:43	Date and time of file creation	l1events	54771	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

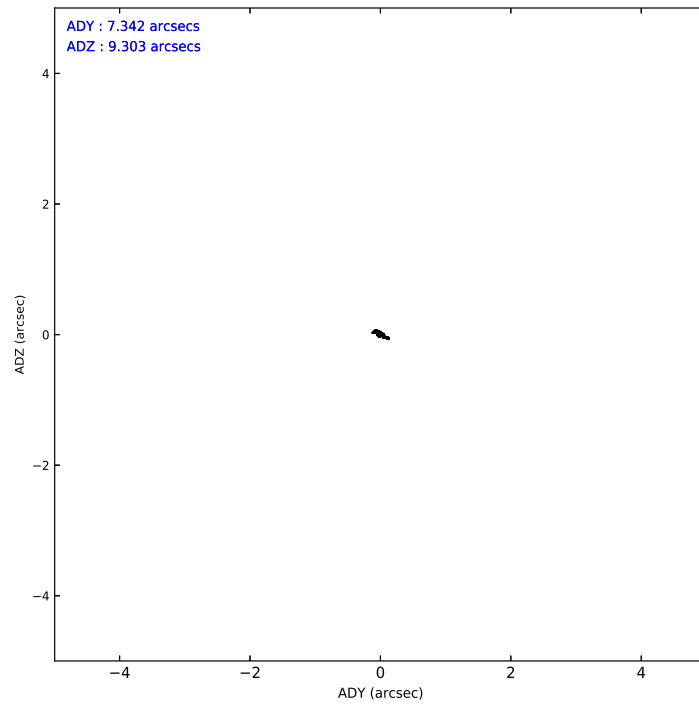
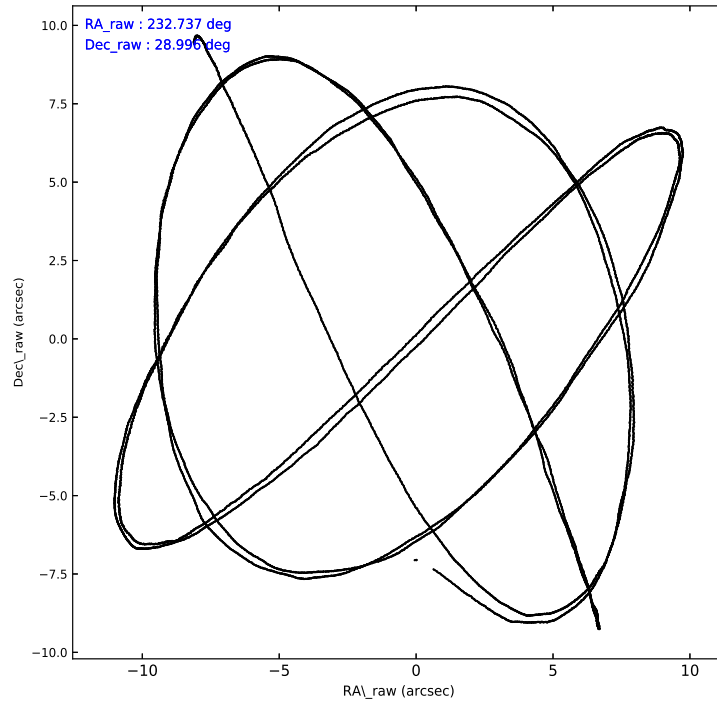
	ccd 7
level 1 events	54771
rejected events	27598
rejected %	50%

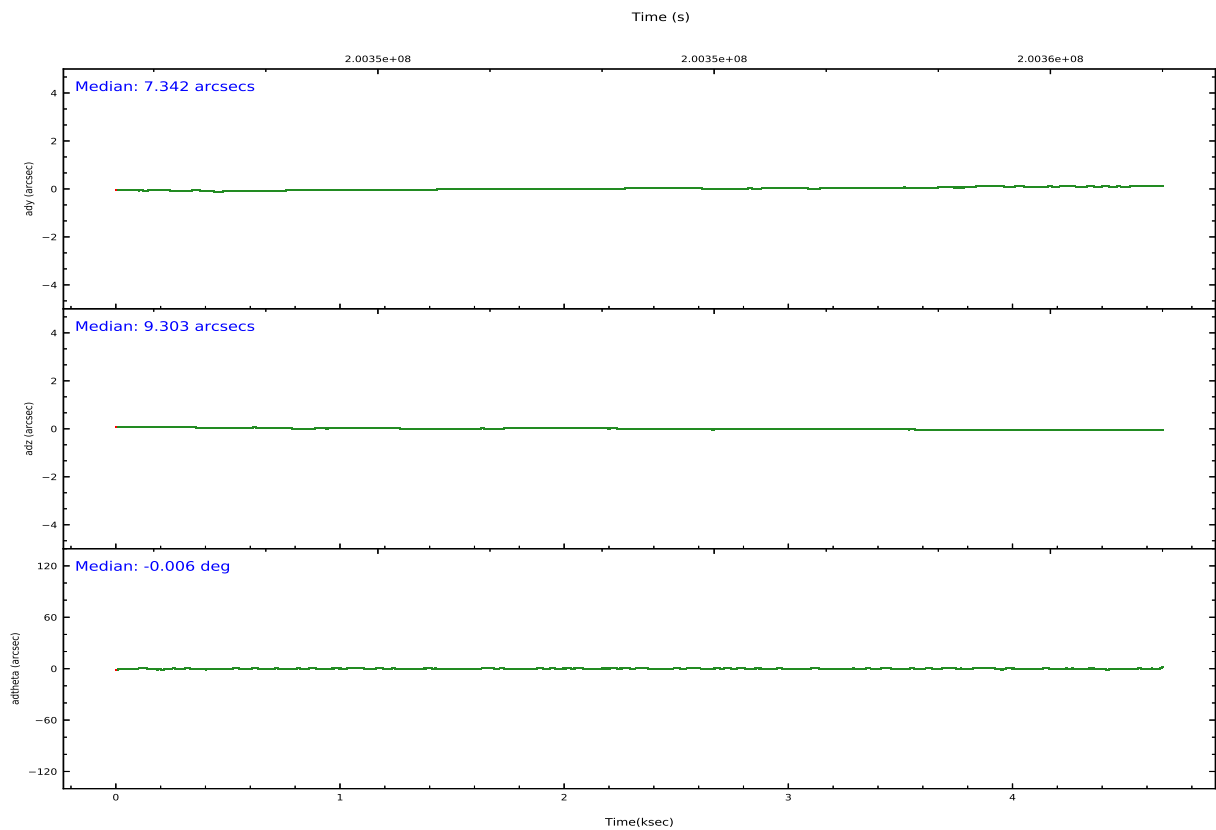
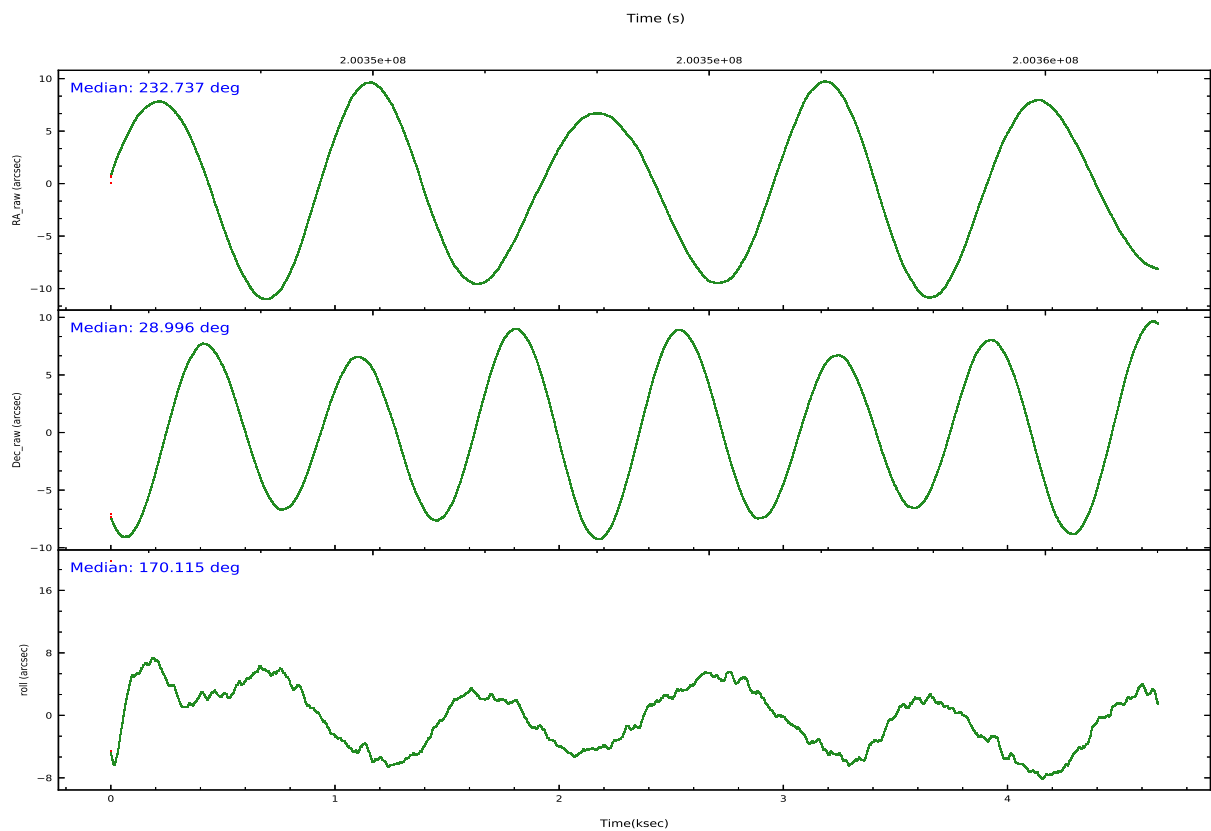
	ccd 7
grade 0 events	2716
	4%
grade 1 events	37
	0%
grade 2 events	5165
	9%
grade 3 events	2213
	4%
grade 4 events	2295
	4%
grade 5 events	4478
	8%
grade 6 events	15463
	28%
grade 7 events	22404
	40%

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	232.765787	232.7396973194	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.005315	28.997880175772	Alternating exposures requested	N	N
[deg] Pointing Roll	169.943488	170.1145634568	[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)	200352369.184000	200351233.90721			
Observation start date	2004-05-07T21:25:05	2004-05-07T21:07:13			
[s] Observation end time (MET)	200356504.184000	200356818.10746			
Observation end date	2004-05-07T22:34:00	2004-05-07T22:40:18			
Read mode	TIMED	TIMED			

2.3 Aspect



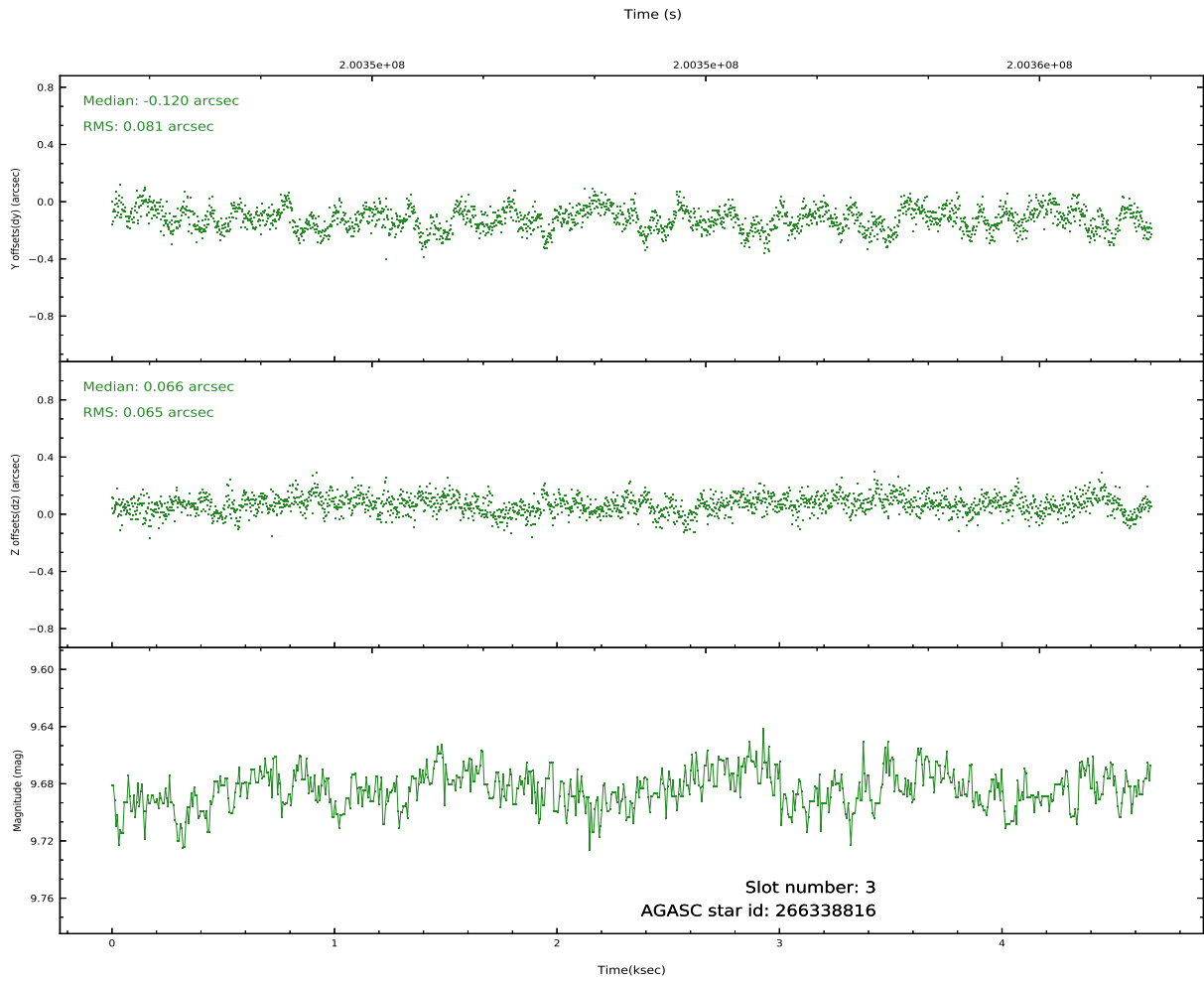
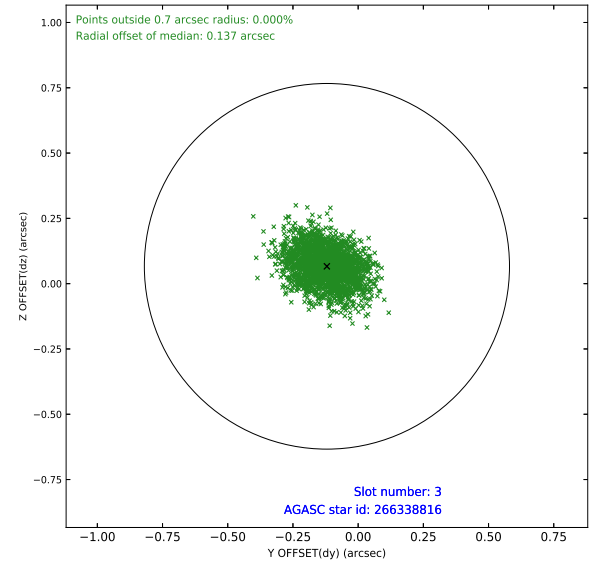
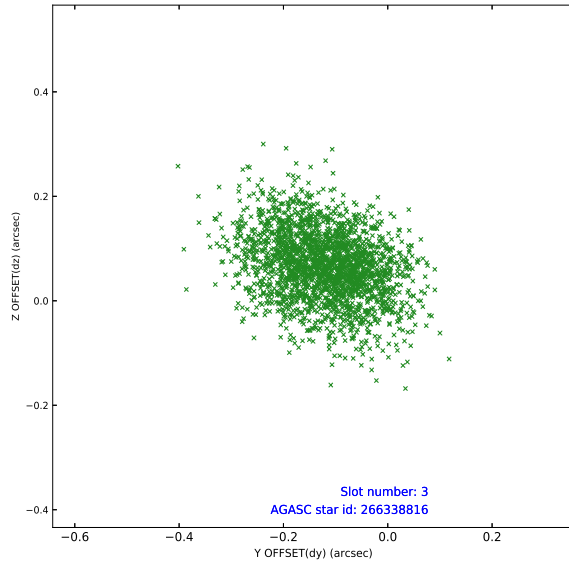


Slot Statistics

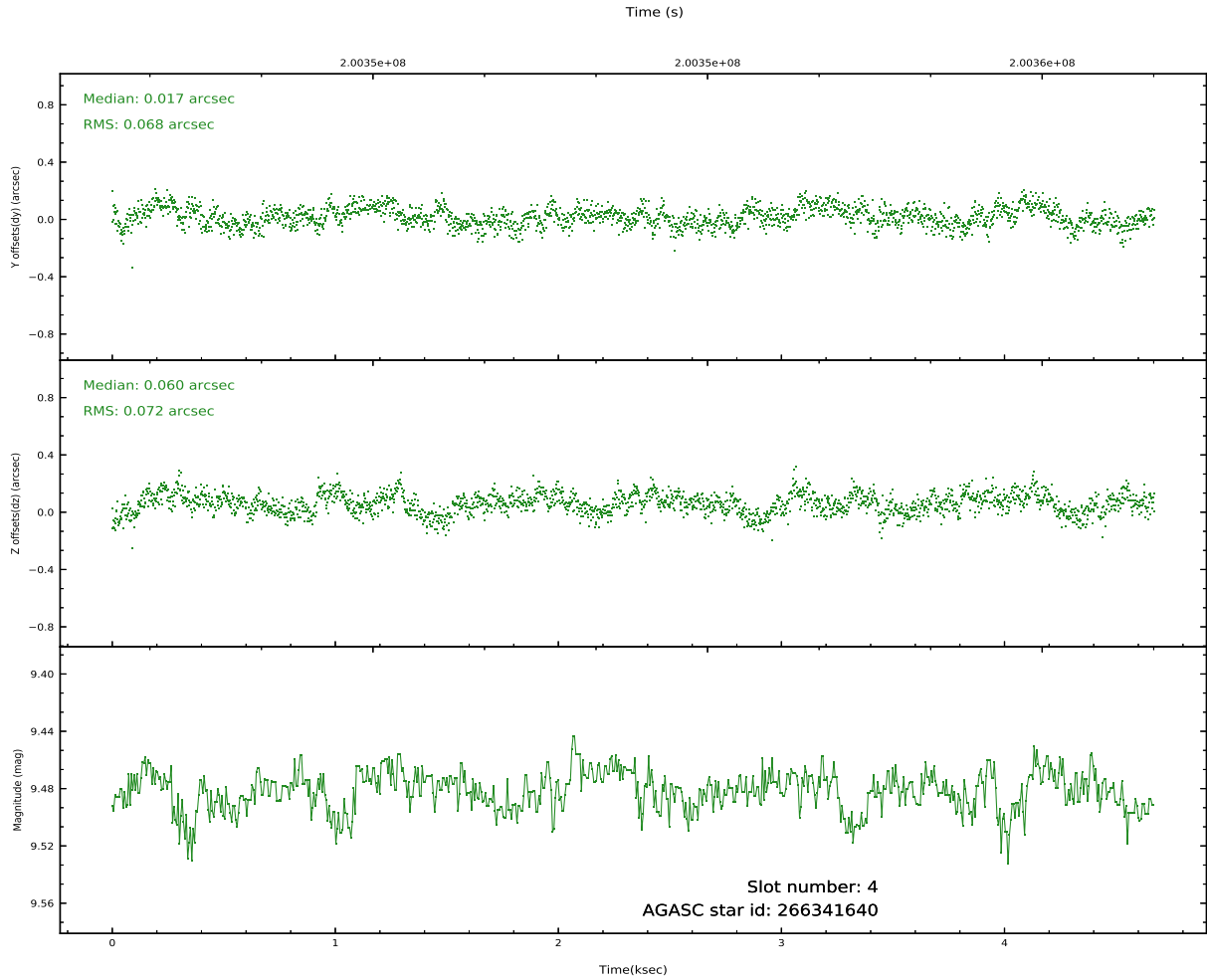
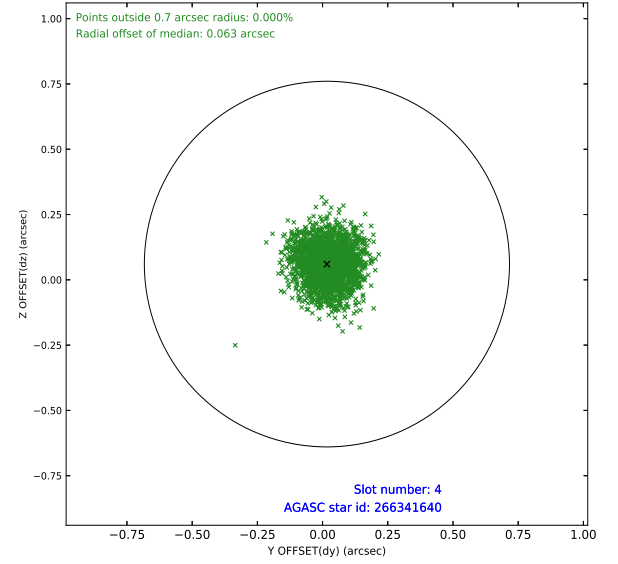
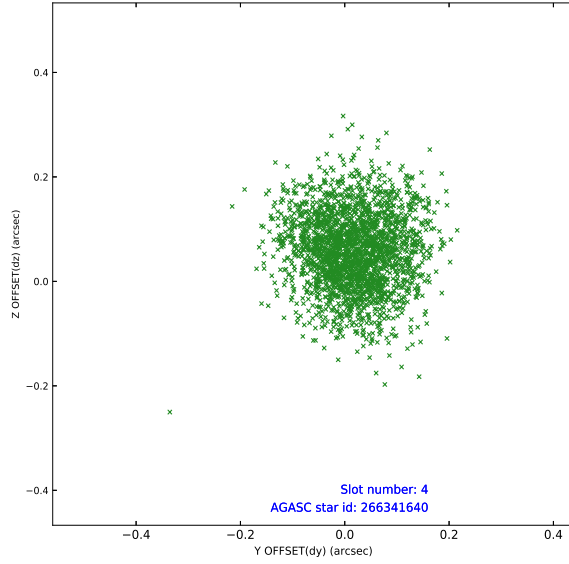
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1140	1.000	-0.065	-0.070	0.007	0.012	0.000000	0.000000	-760.13	-1730
1	FID		ACIS-S-4	7.20	1140	1.000	0.137	0.050	0.005	0.009	0.000000	0.000000	2152.70	176
2	FID		ACIS-S-5	7.23	1140	1.000	-0.104	0.029	0.007	0.012	0.000000	0.000000	-1811.37	171
3	GUIDE	used	266338816	9.68	2280	1.000	-0.120	0.066	0.112	0.181	233.277021	28.384860	-1983.70	1913
4	GUIDE	used	266341640	9.48	2280	1.000	0.017	0.060	0.106	0.169	232.628690	28.610232	177.27	1477
5	GUIDE	used	266343832	9.25	2279	1.000	0.028	-0.030	0.088	0.138	232.610121	29.317678	678.26	-1021
6	GUIDE	used	266344664	9.66	2278	1.000	0.118	-0.092	0.118	0.192	232.455750	28.949096	927.50	368
7	GUIDE	used	266348184	8.92	2274	1.000	-0.035	-0.003	0.074	0.121	233.175776	28.686499	-1474.19	902

2.4 Star Slots

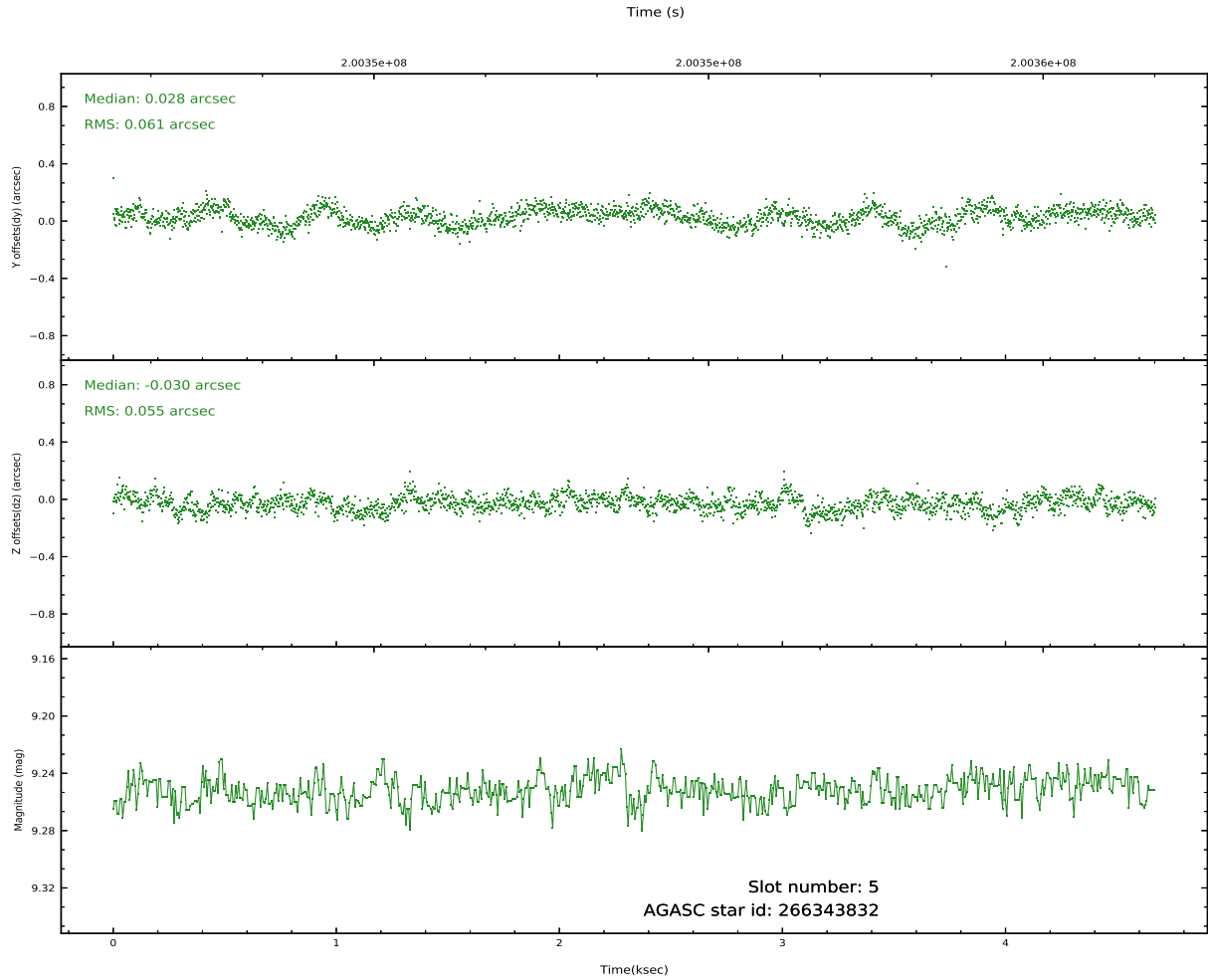
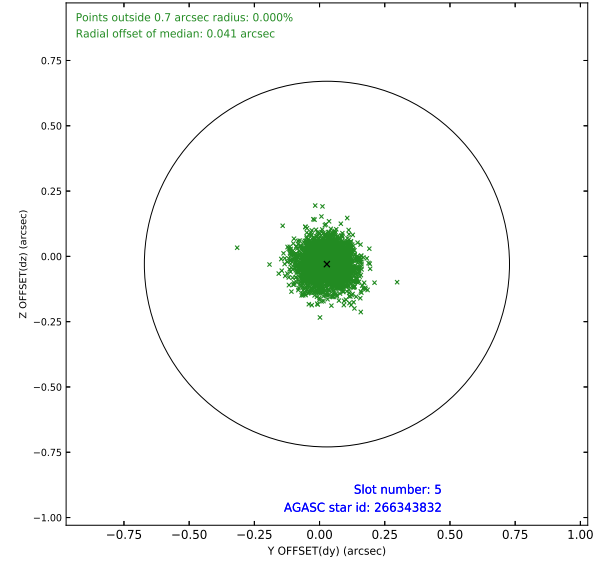
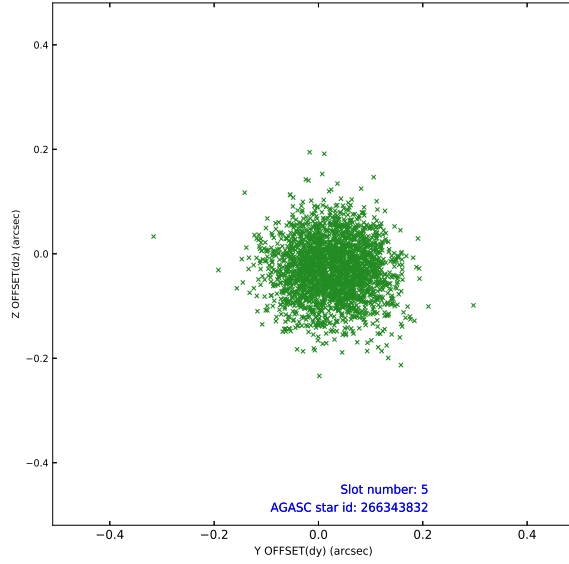
2.4.1 Slot 3



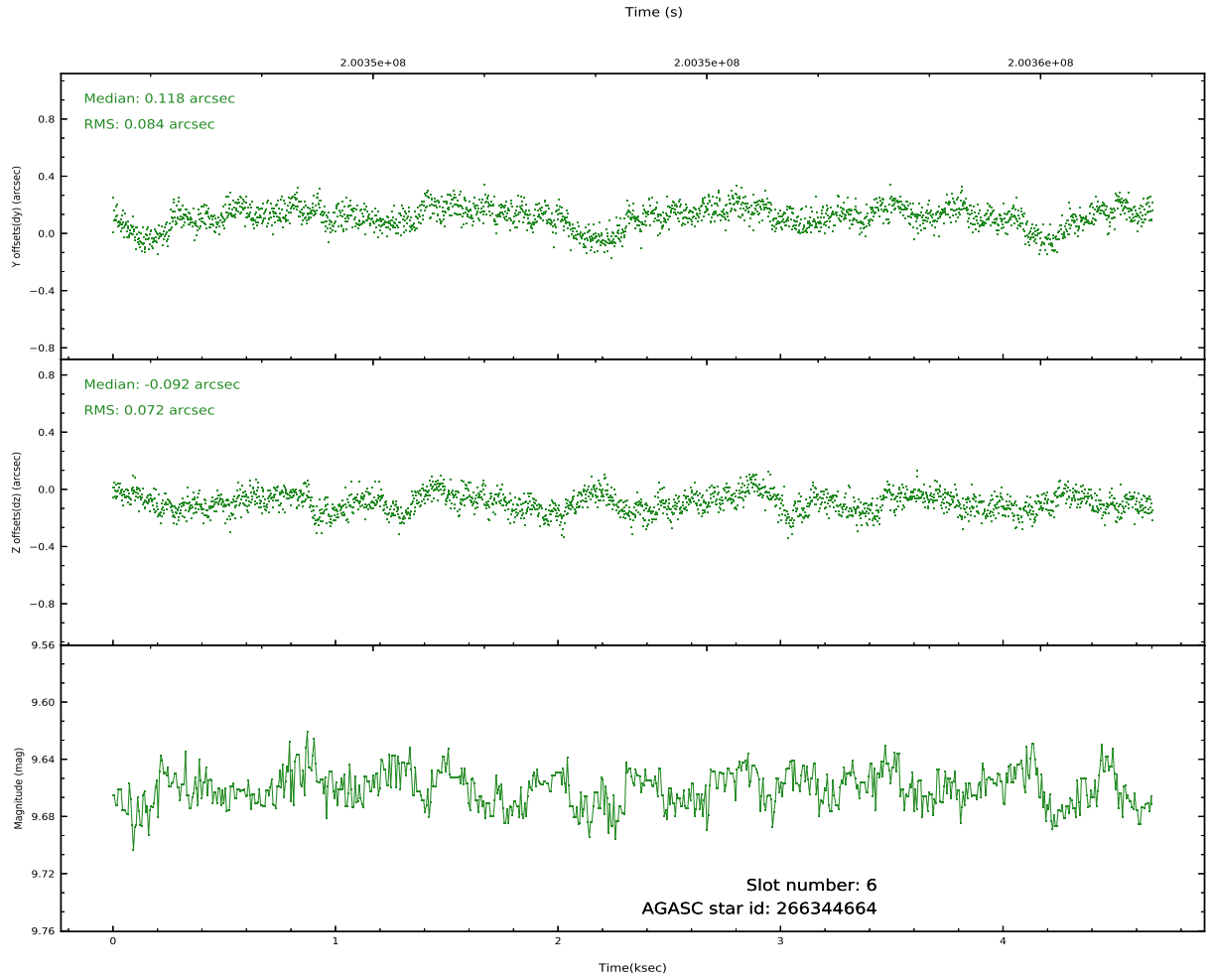
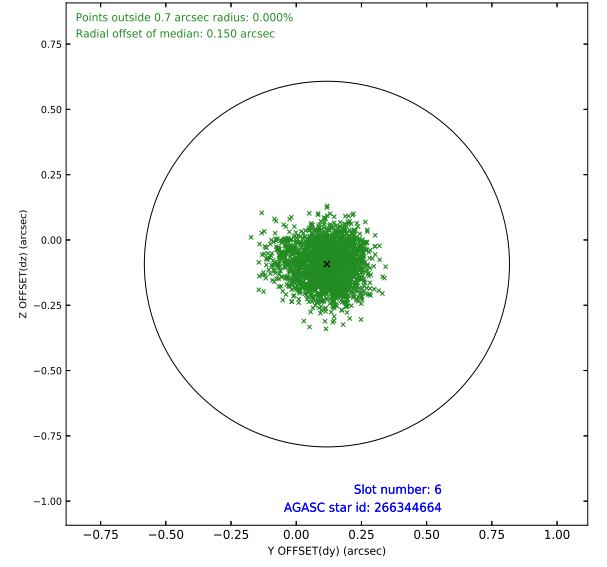
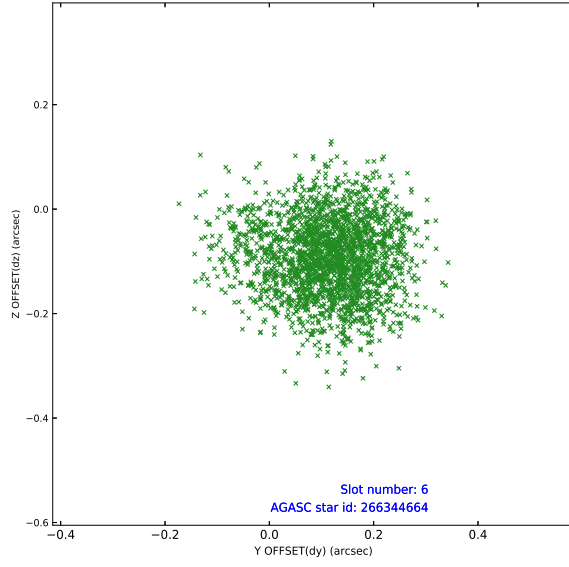
2.4.2 Slot 4



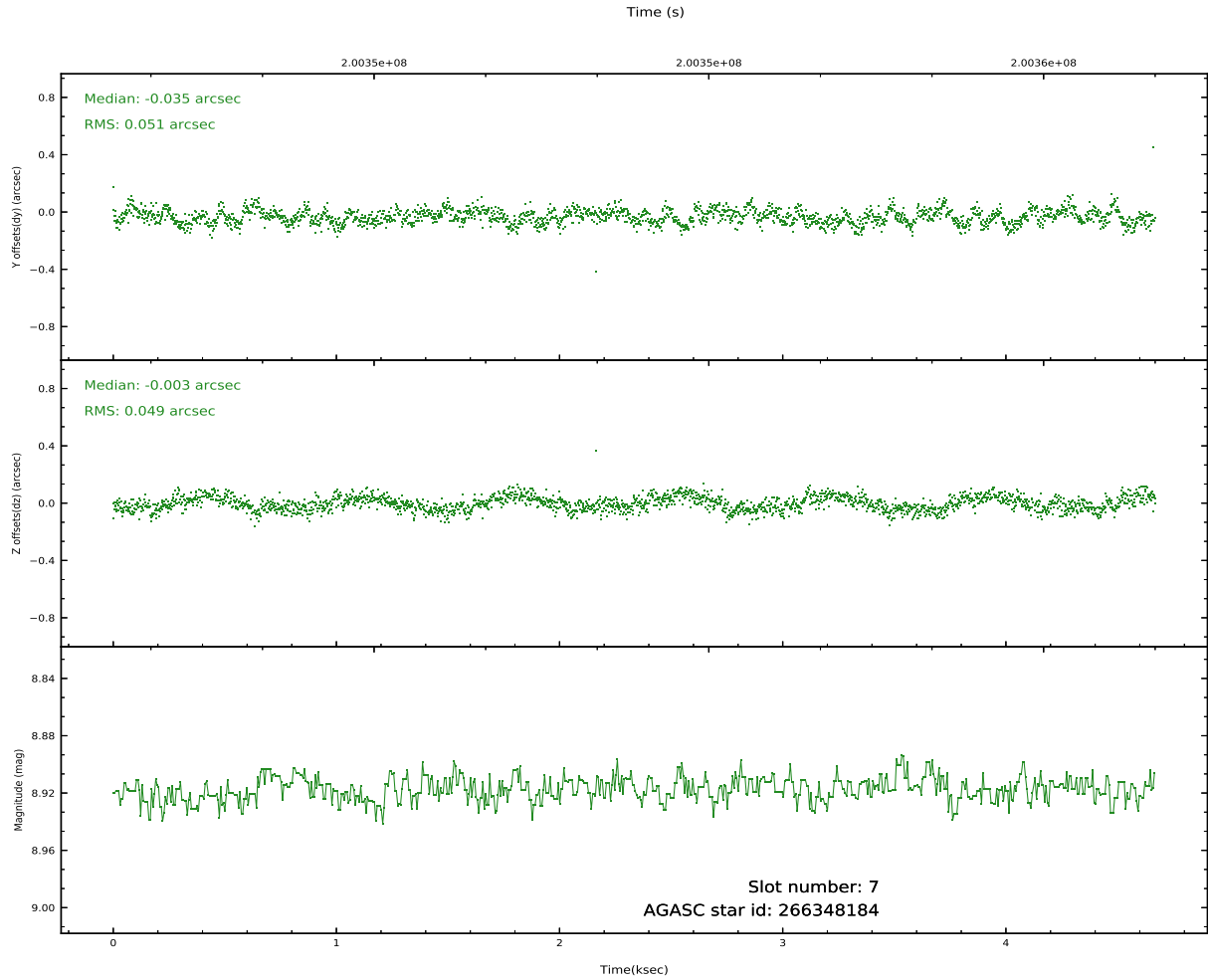
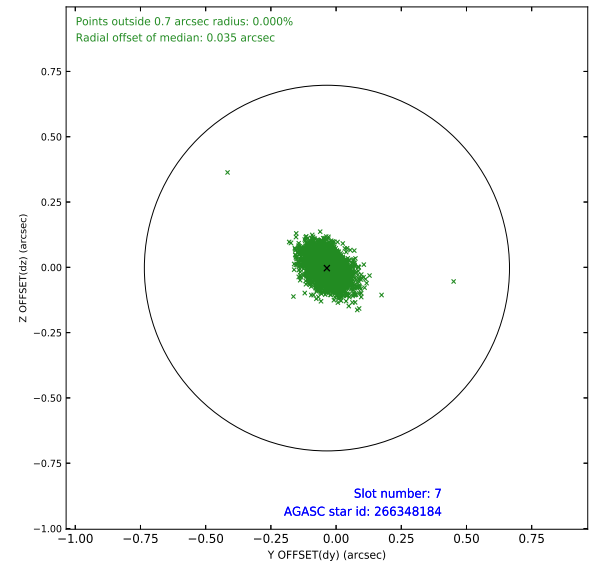
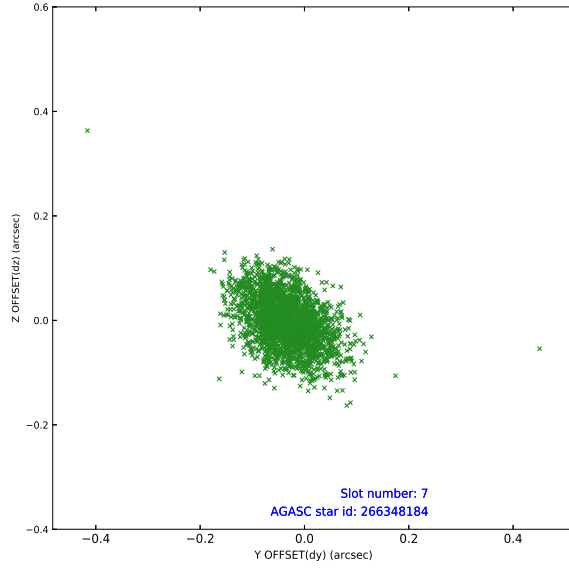
2.4.3 Slot 5



2.4.4 Slot 6

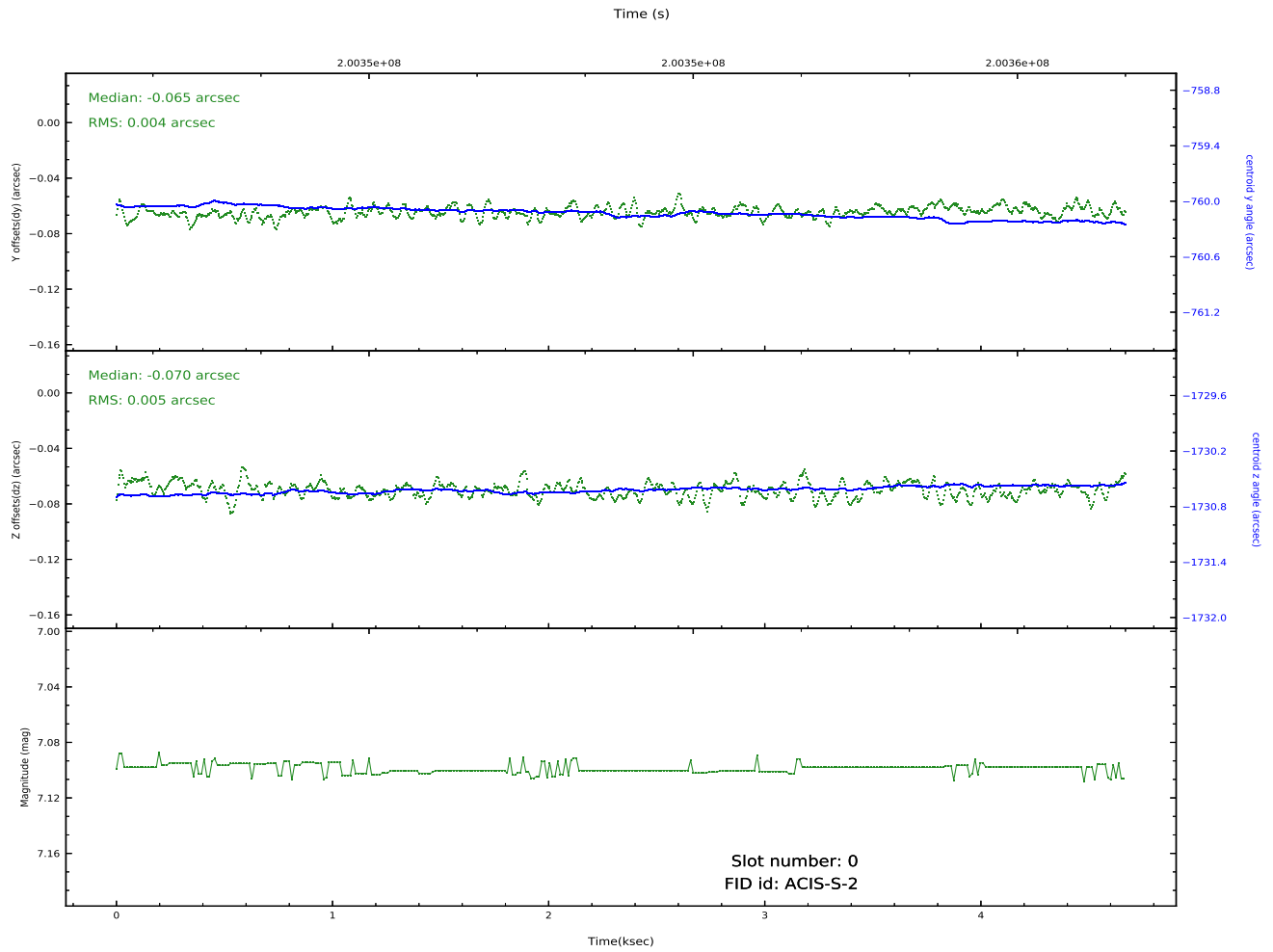
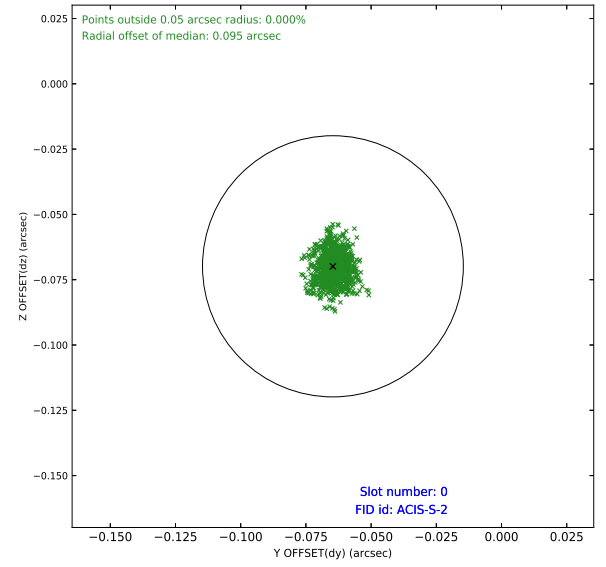
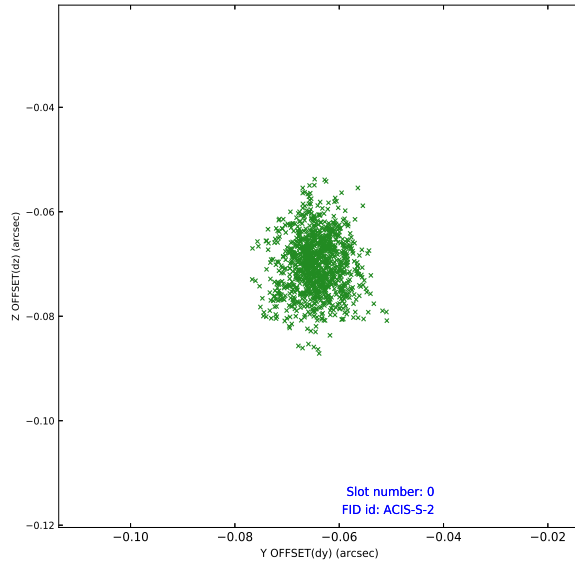


2.4.5 Slot 7

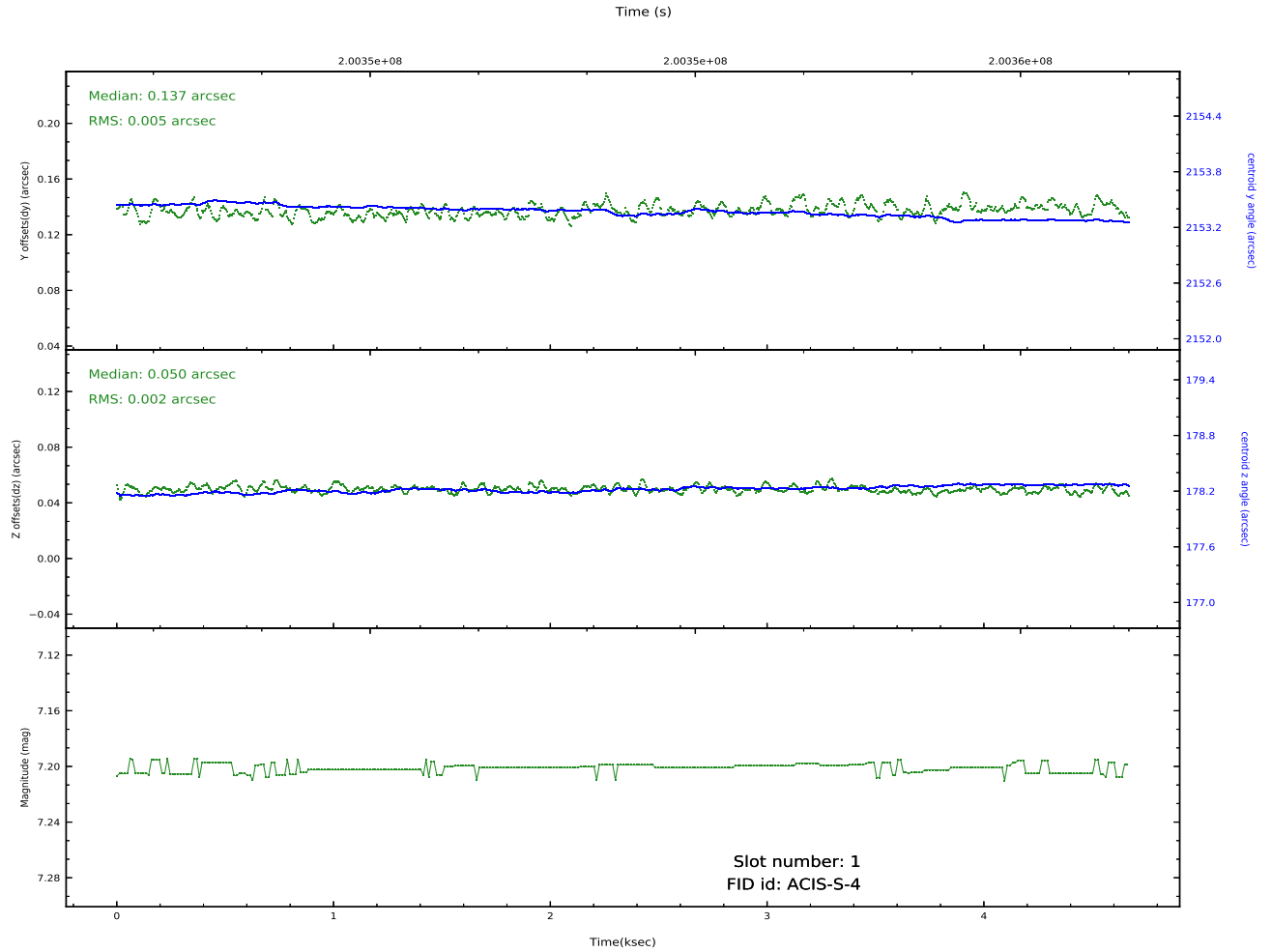
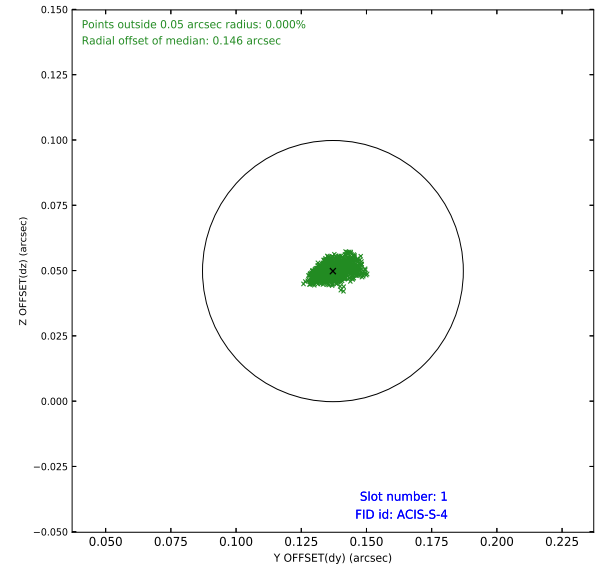
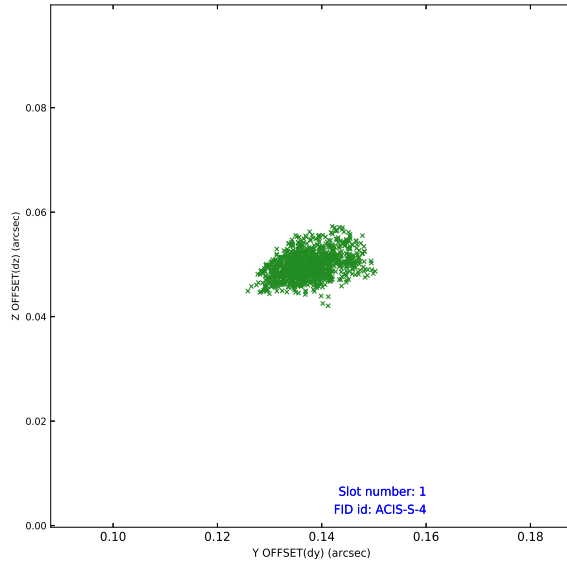


2.5 FID Slots

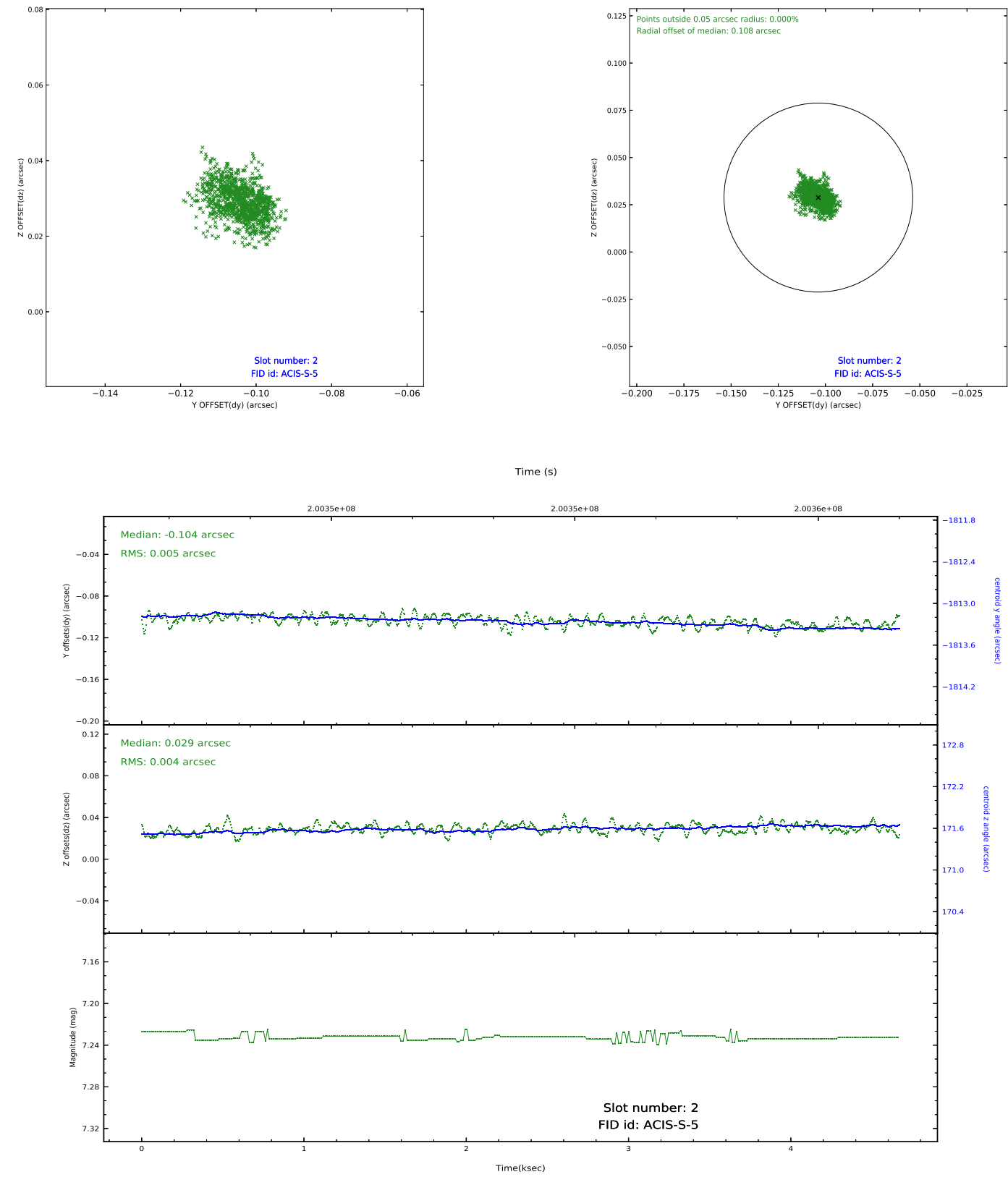
2.5.1 Slot 0



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)	2020.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.665

A.2 Comments