

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4789 - L2 Version 4  
Chandra X-Ray Center

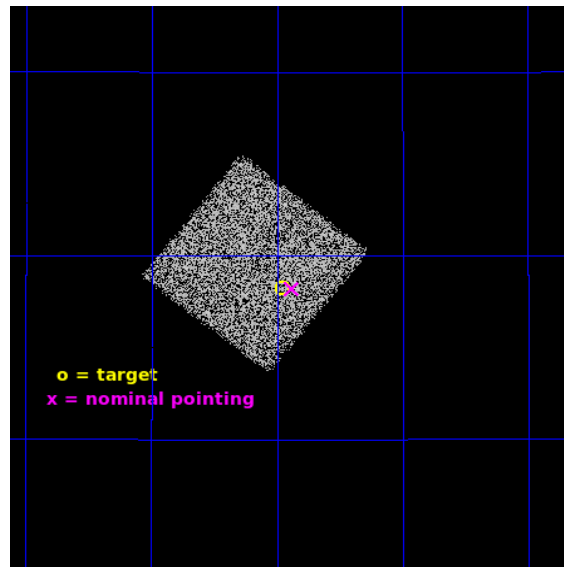
L2 Processing Date : Sep 26 2020

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# 1 Front

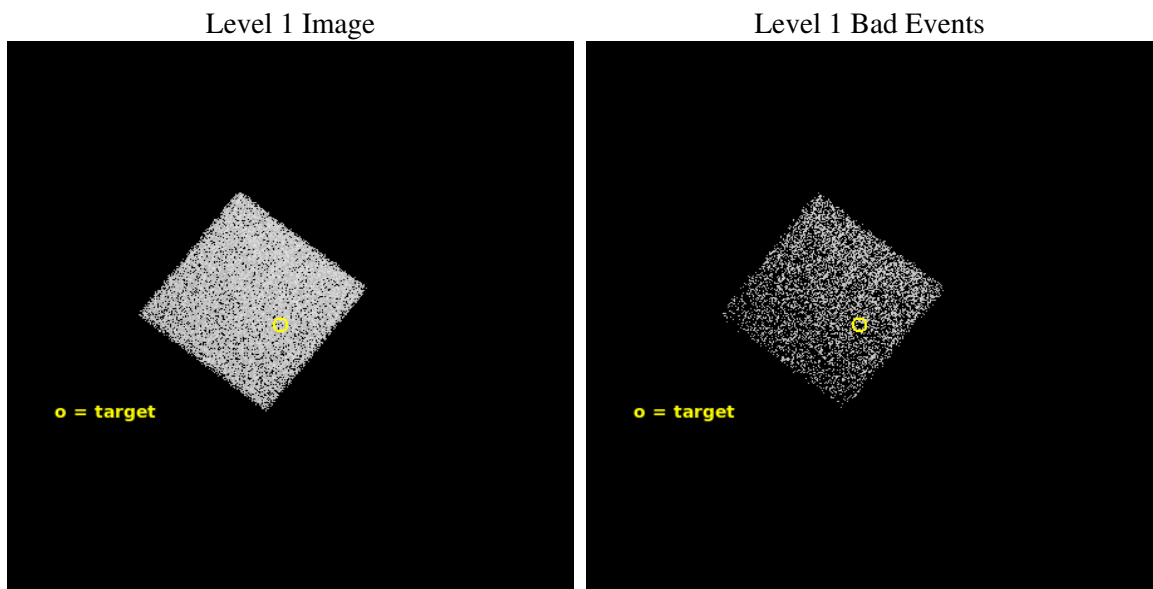
seq_num	700872	Sequence number
obs_id	4789	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1500-4372	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.62	Observer's specified target RA [deg]
dec_targ	28.971139	Observer's specified target Dec [deg]
ra_nom	225.61010375879	Nominal RA [deg]
dec_nom	28.970029836964	Nominal Dec [deg]
roll_nom	218.20781605355	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4041.0	Sum of GTIs [s]
livetime	3986.4651566569	Livetime [s]
ontime7	4041.0	Sum of GTIs [s]
l2events	15932	Number of level 2 events



## 2 OBI

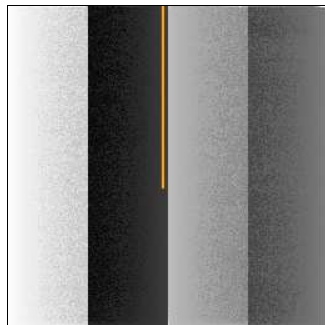
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3862.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4041.0	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime7	4041.0	Sum of GTIs [s]
date	2020-09-26T12:07:27	Date and time of file creation	l1events	45275	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	45275
rejected events	28816
rejected %	63%

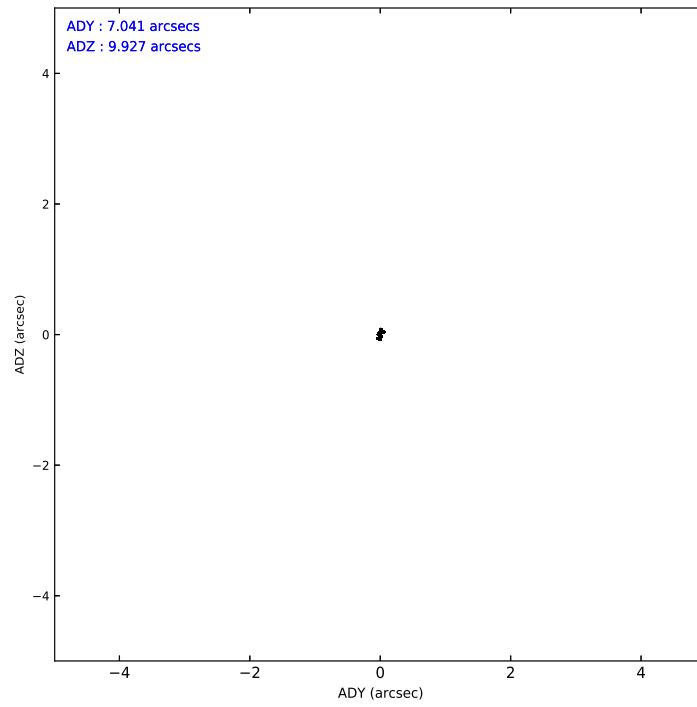
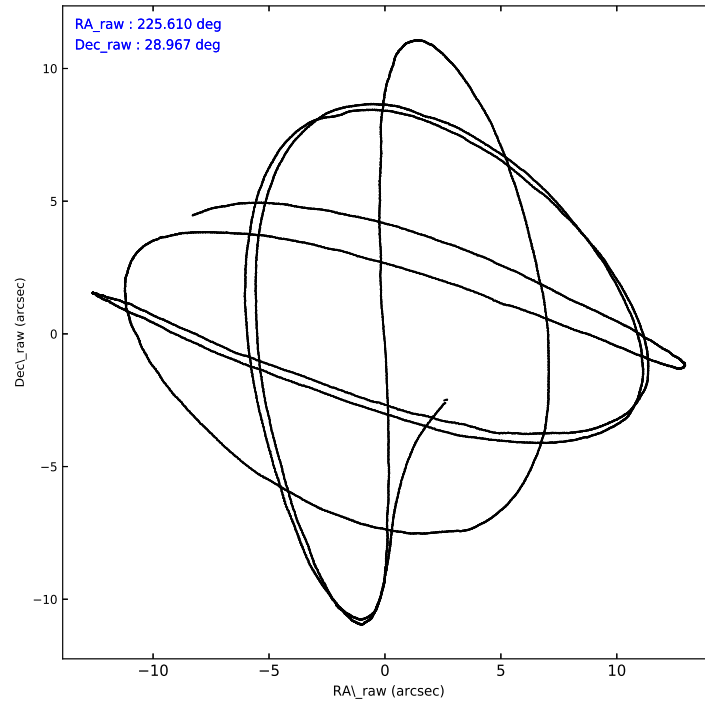
	<b>ccd 7</b>
grade 0 events	1732
	3%
grade 1 events	35
	0%
grade 2 events	3799
	8%
grade 3 events	1717
	3%
grade 4 events	1693
	3%
grade 5 events	4168
	9%
grade 6 events	9885
	21%
grade 7 events	22246
	49%

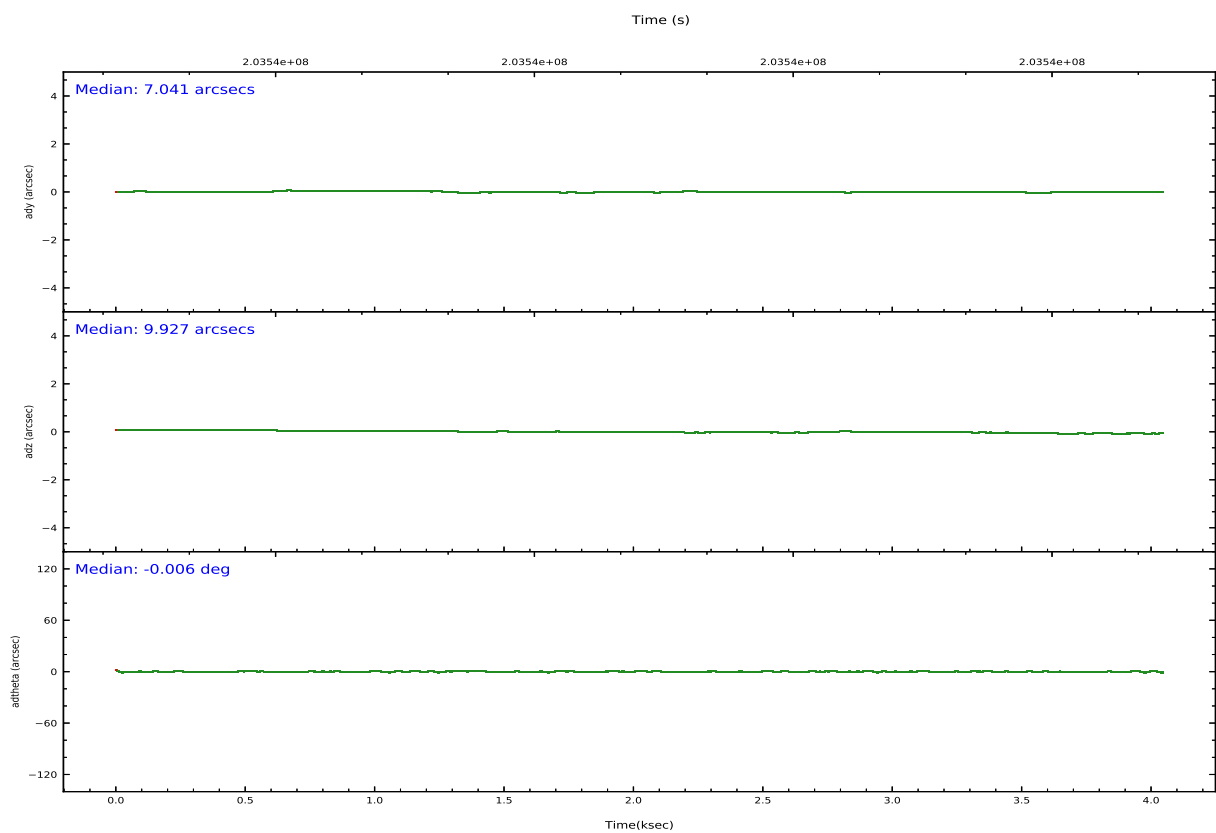
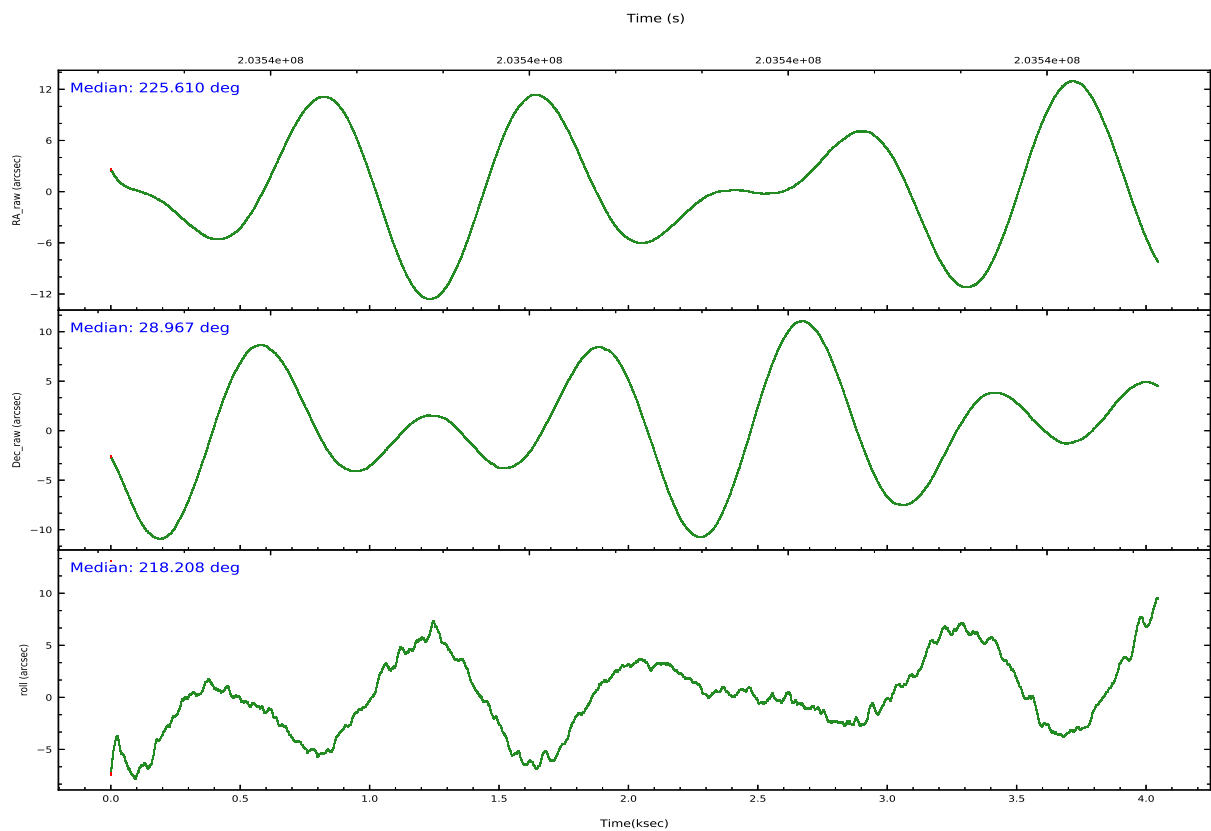


## 2.2 Compared Parameters

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	225.621417	225.61010375879	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.991996	28.970029836964	Alternating exposures requested	N	N
[deg] Pointing Roll	218.044247	218.20781605355	[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)	203535567.184000	203534540.16034			
Observation start date	2004-06-13T17:38:23	2004-06-13T17:22:20			
[s] Observation end time (MET)	203539429.184000	203540014.68558			
Observation end date	2004-06-13T18:42:45	2004-06-13T18:53:34			
Read mode	TIMED	TIMED			

## 2.3 Aspect



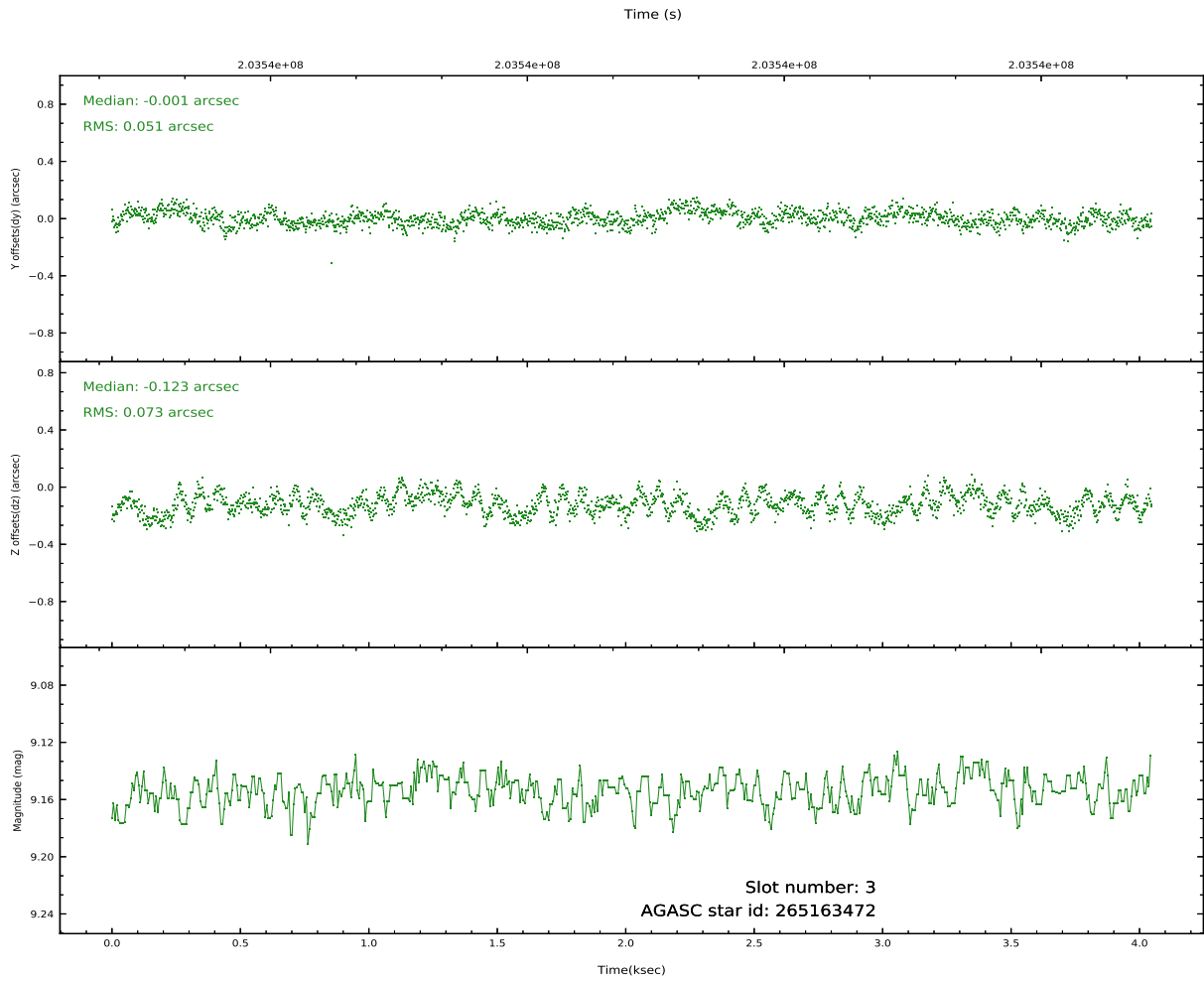
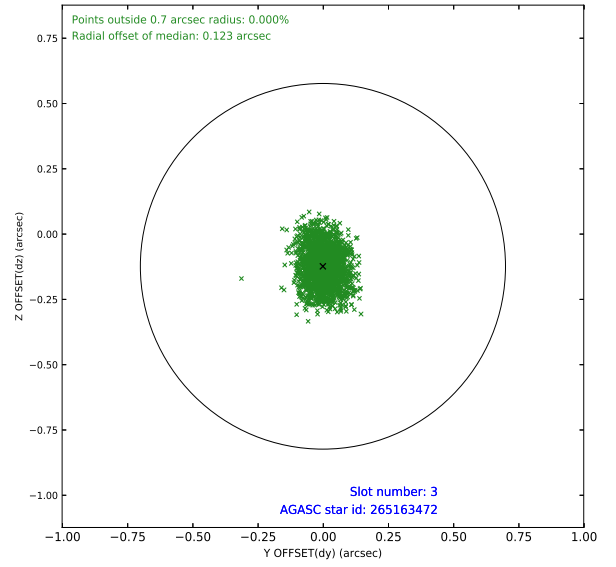
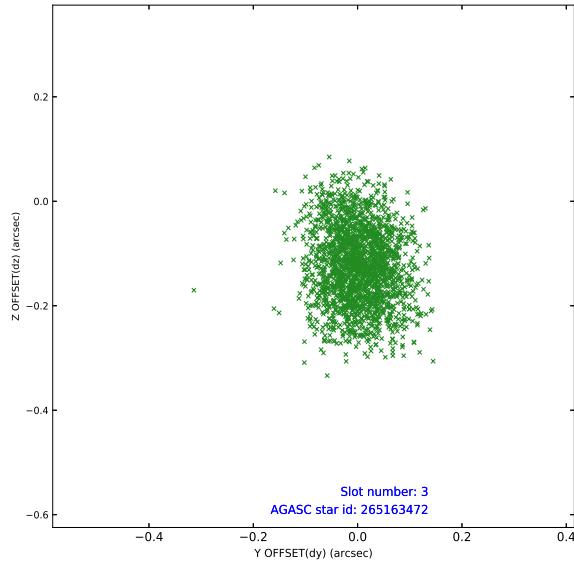


Slot Statistics

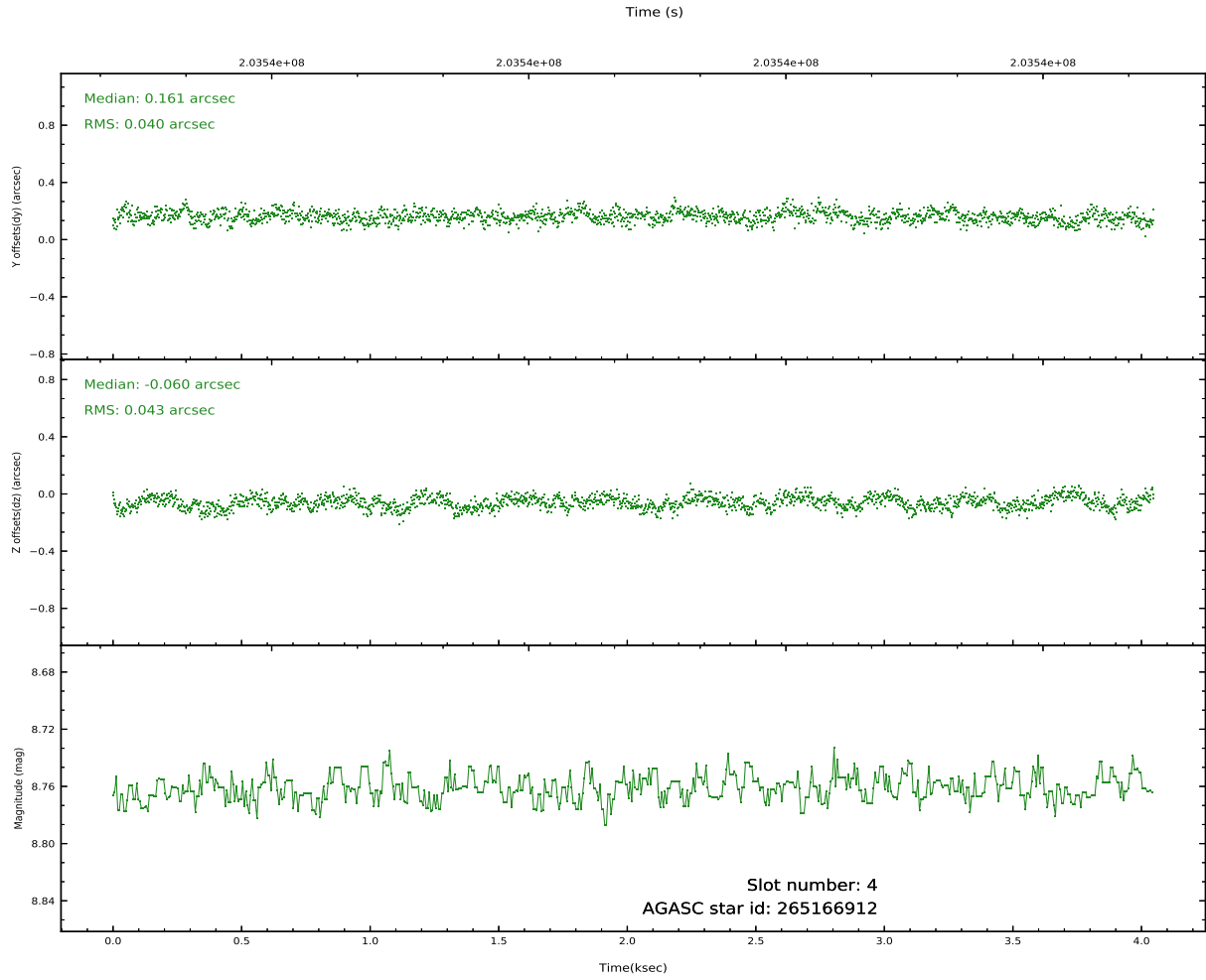
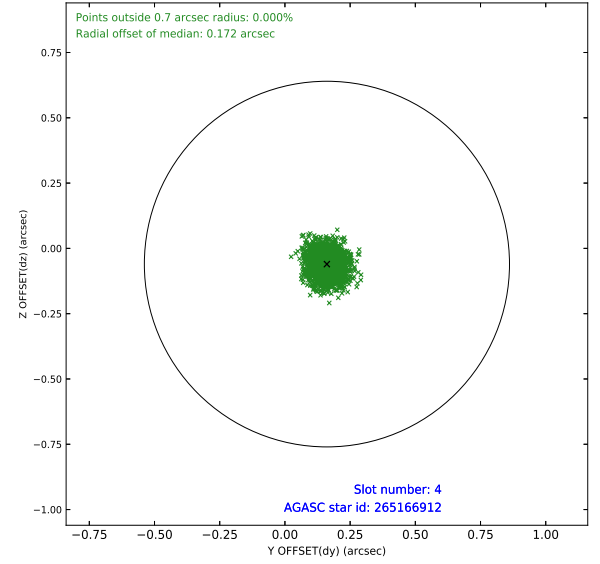
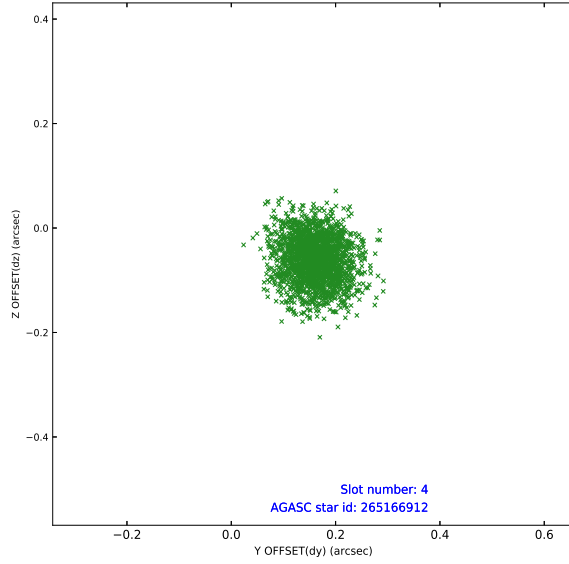
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	988	1.000	0.038	-0.052	0.006	0.011	0.000000	0.000000	936.31	-1726
1	FID		ACIS-S-5	7.24	987	1.000	-0.096	0.016	0.007	0.010	0.000000	0.000000	-1811.99	169
2	FID		ACIS-S-6	7.35	988	1.000	0.037	0.048	0.007	0.011	0.000000	0.000000	400.16	814
3	GUIDE	used	265163472	9.15	1974	1.000	-0.001	-0.123	0.096	0.152	225.337172	29.505471	-438.25	-2005
4	GUIDE	used	265166912	8.76	1975	1.000	0.161	-0.060	0.063	0.100	225.194151	28.591806	1950.09	299
5	GUIDE	used	266076192	8.16	1975	1.000	-0.118	-0.028	0.111	0.168	226.066912	29.078516	-1296.50	616
6	GUIDE	used	266083192	9.31	1973	1.000	-0.133	0.082	0.095	0.152	226.520011	28.999545	-2252.38	1713
7	GUIDE	used	265161336	7.48	1974	1.000	0.086	0.140	0.094	0.141	225.776578	28.267250	1219.15	2358

## 2.4 Star Slots

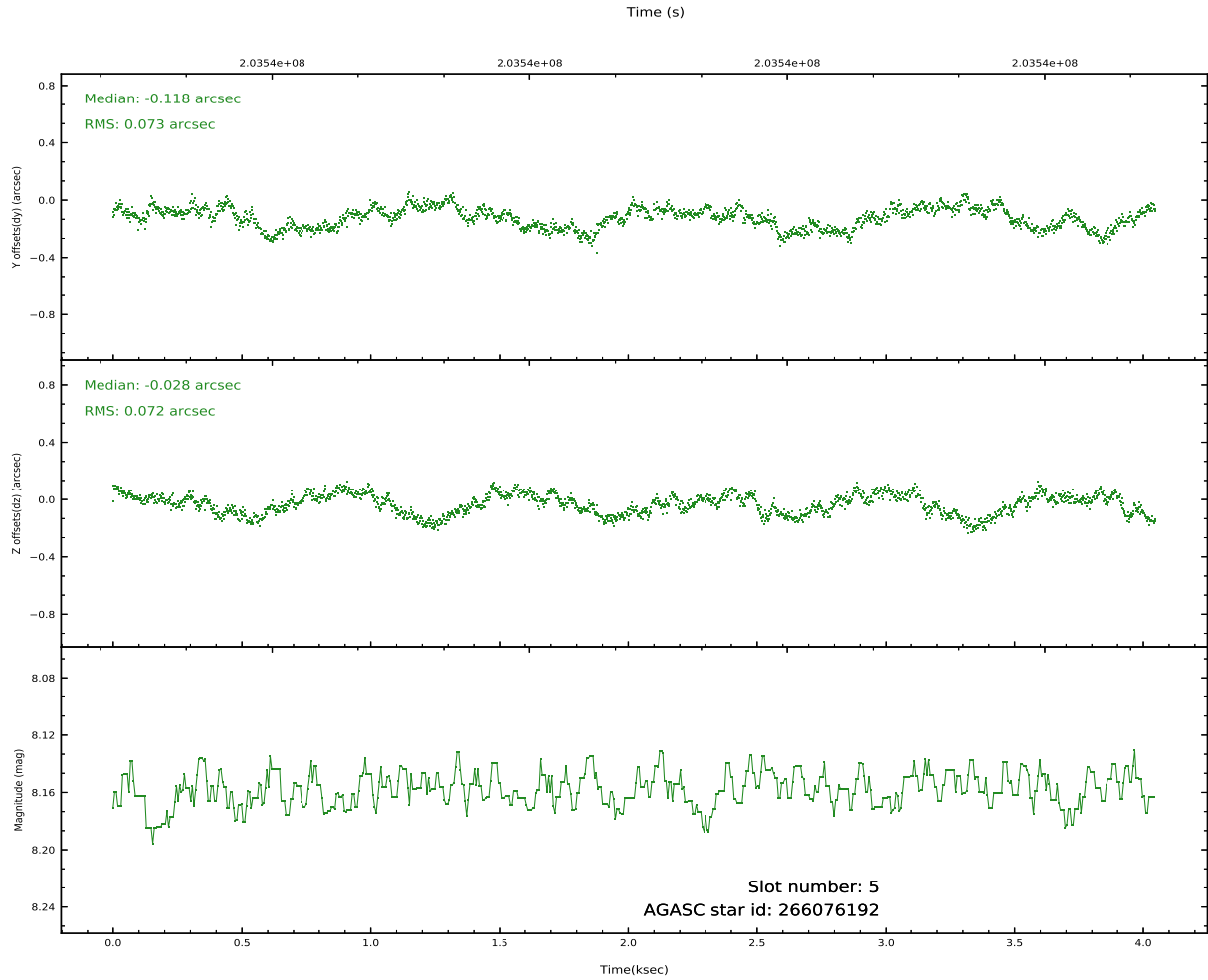
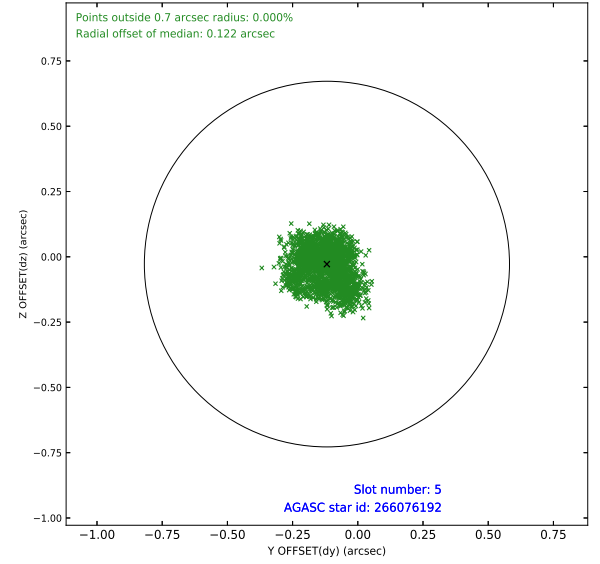
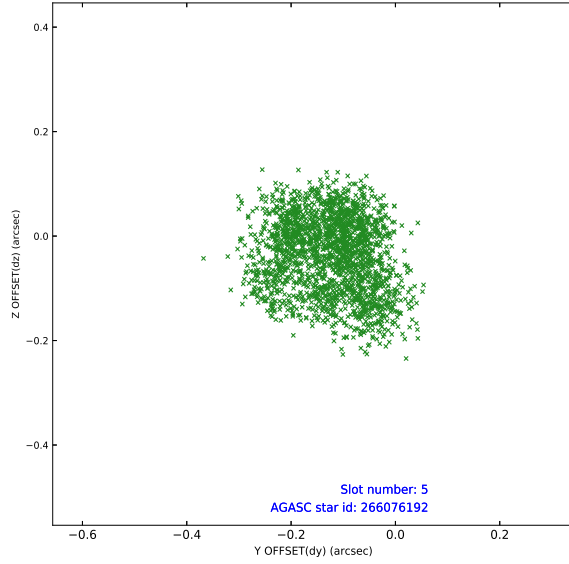
### 2.4.1 Slot 3



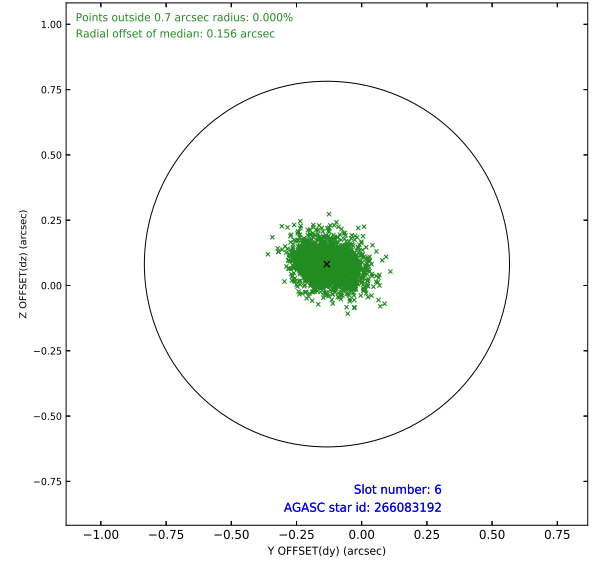
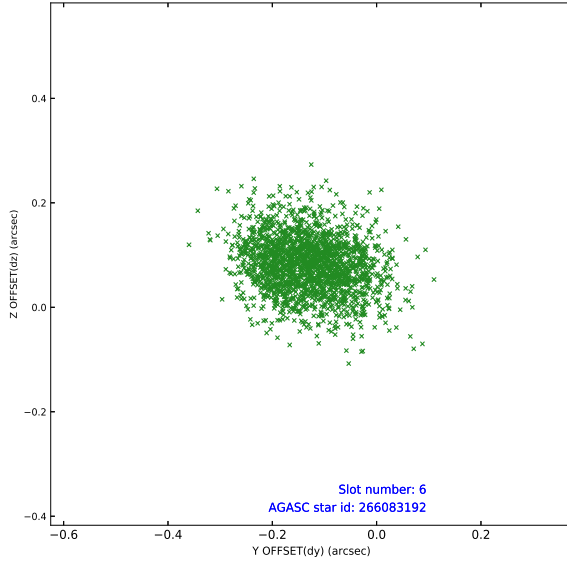
## 2.4.2 Slot 4



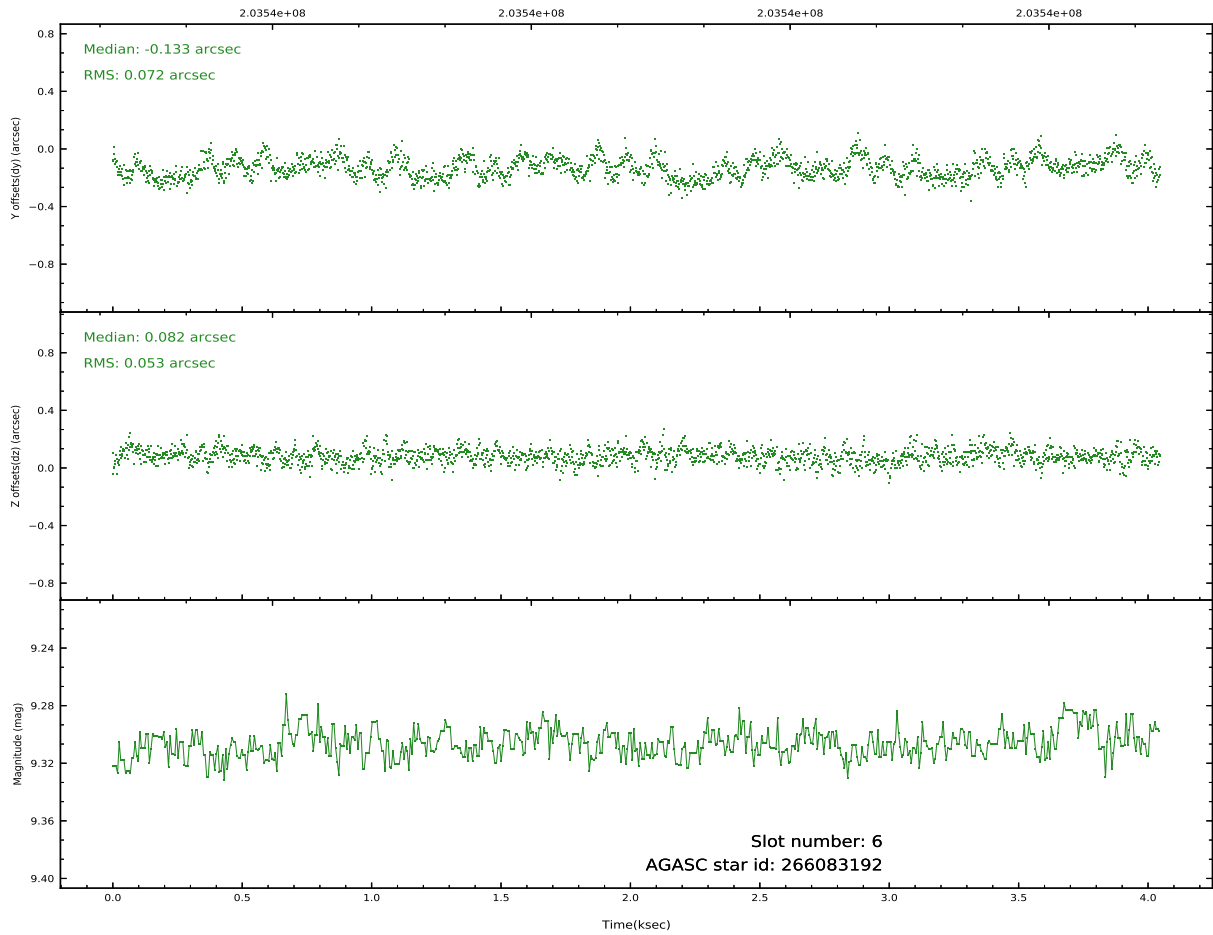
### 2.4.3 Slot 5



## 2.4.4 Slot 6

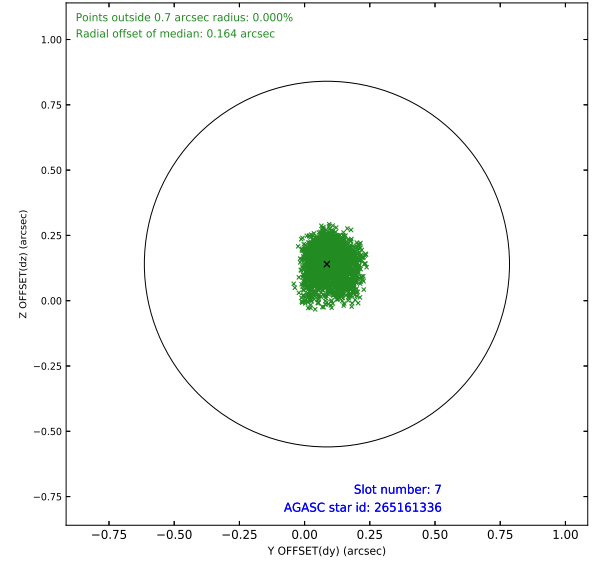
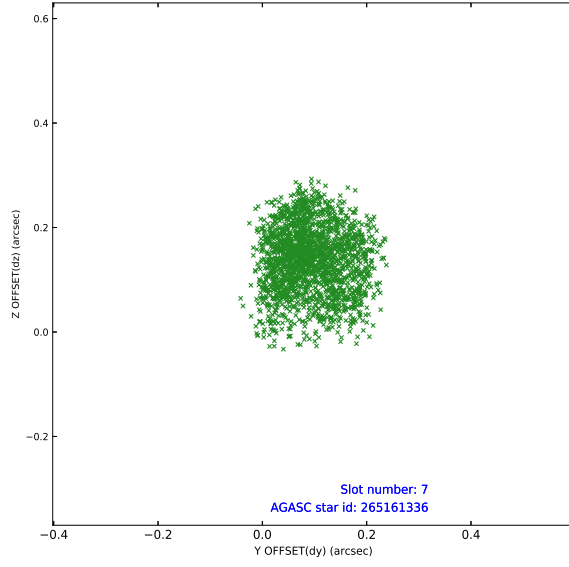


Time (s)

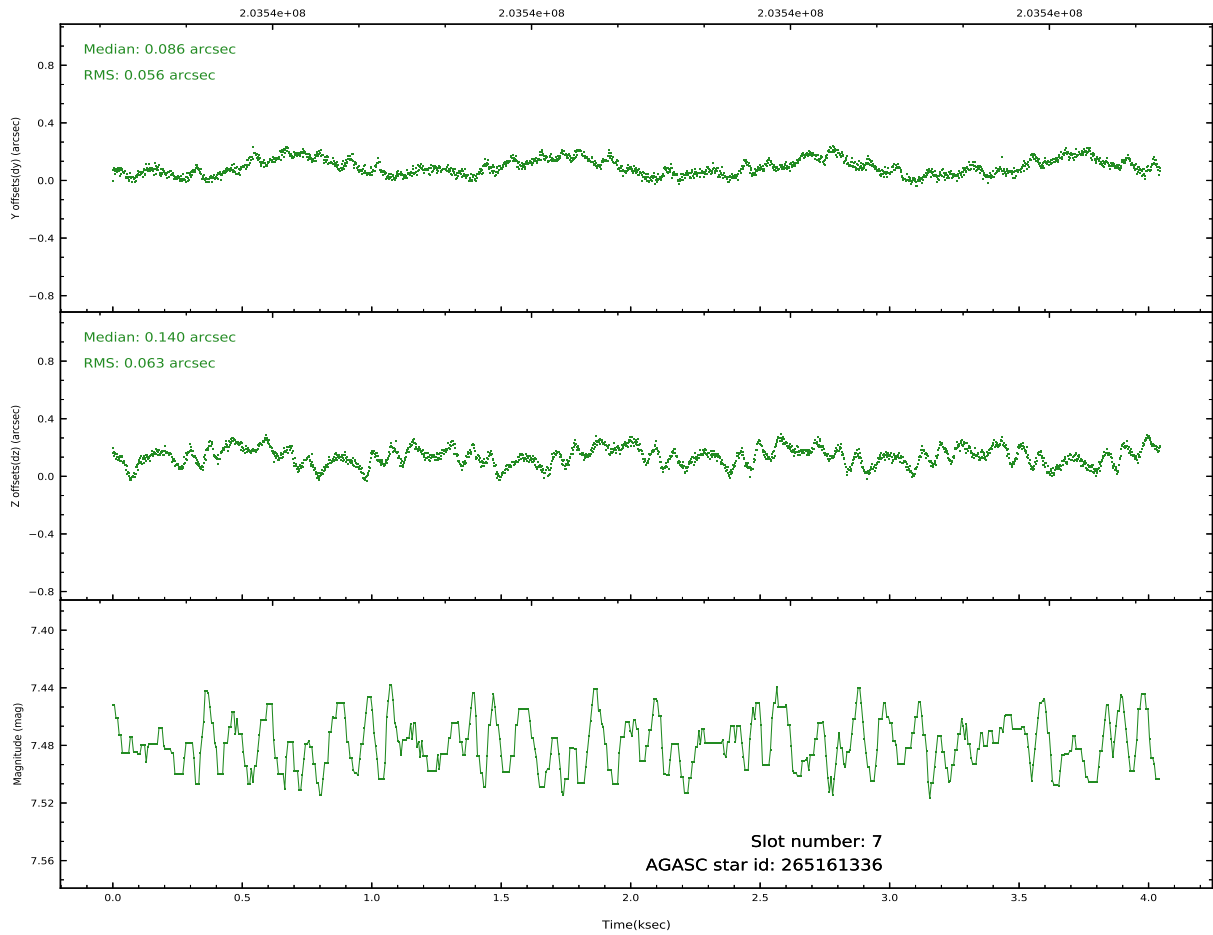




## 2.4.5 Slot 7

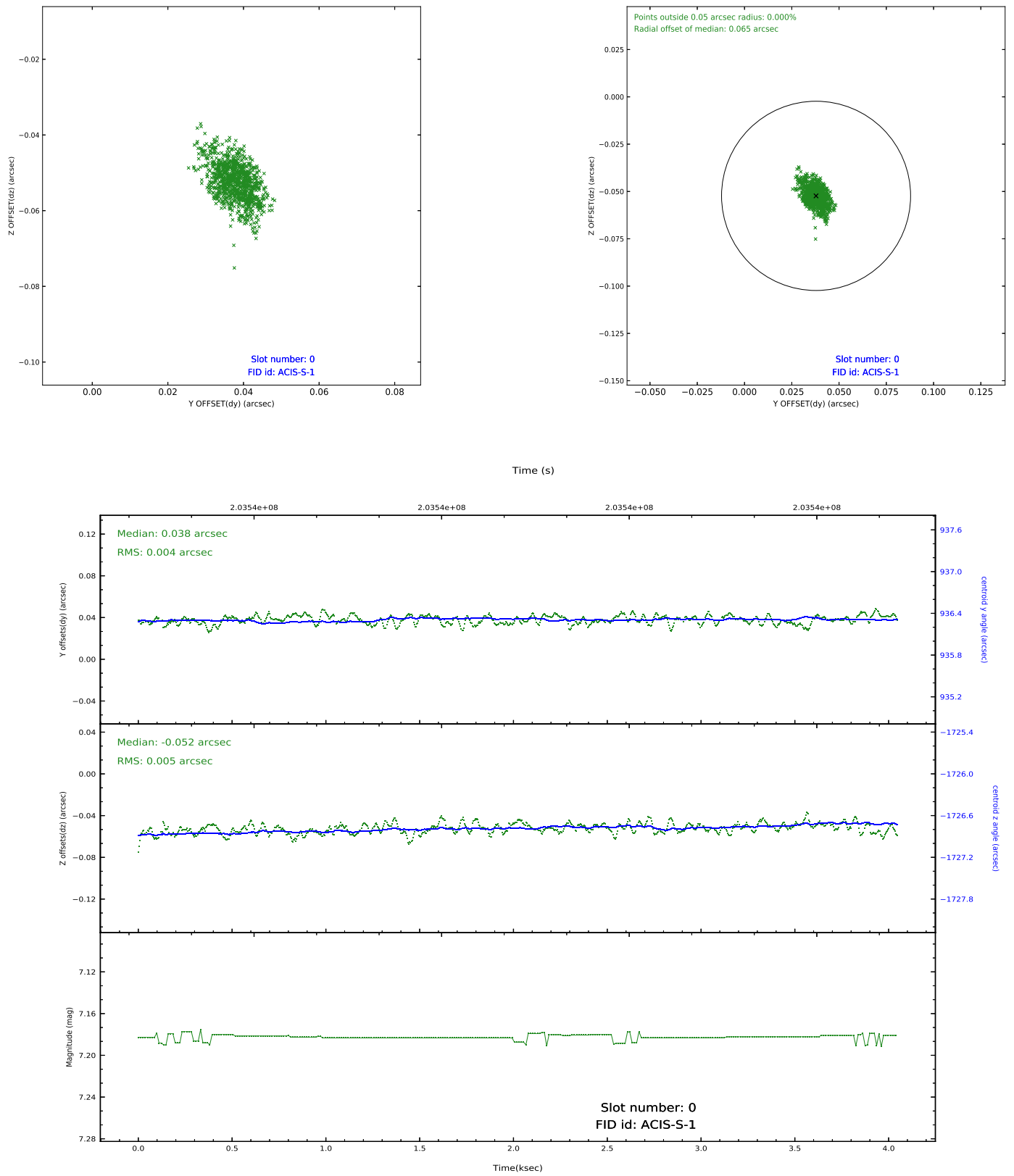


Time (s)

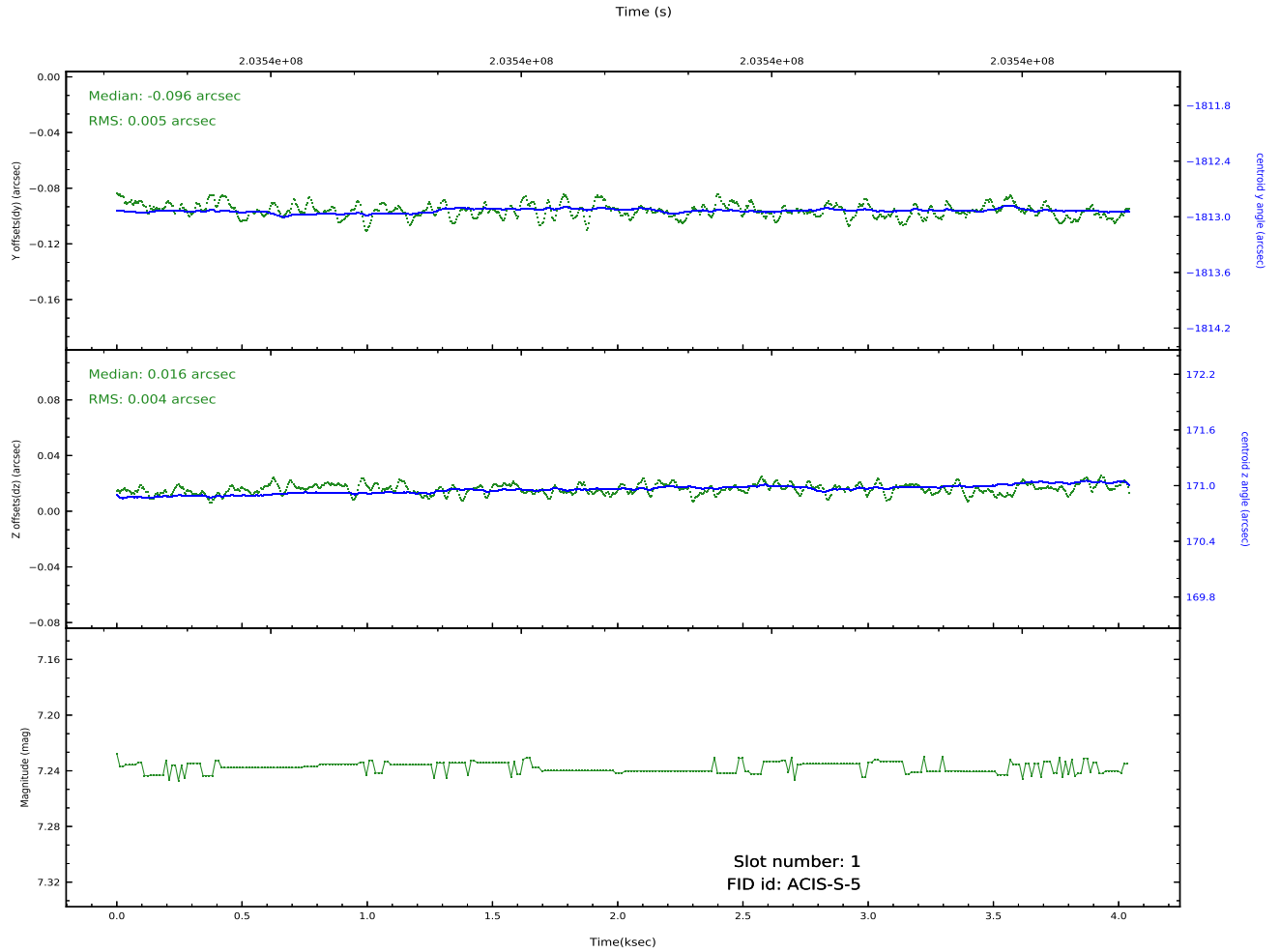
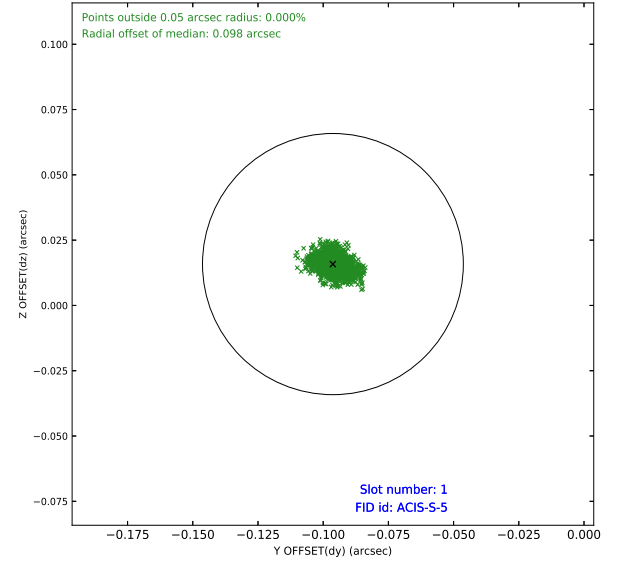
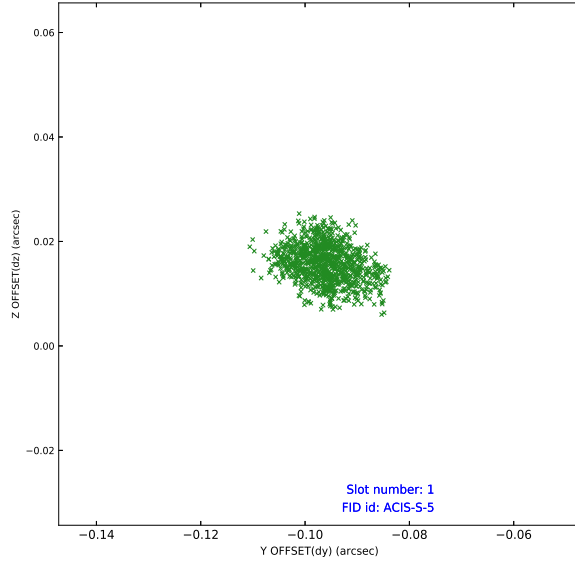


## 2.5 FID Slots

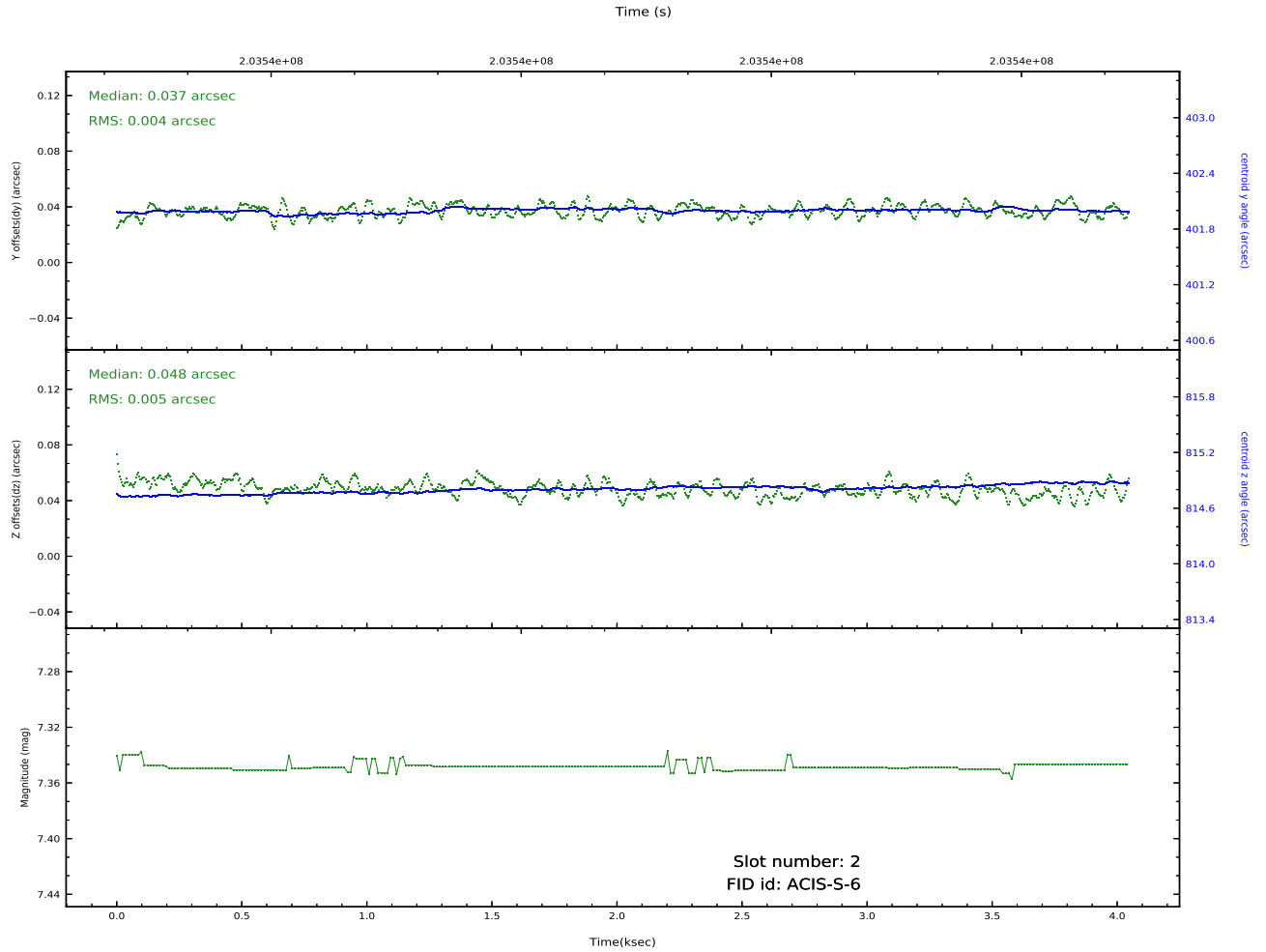
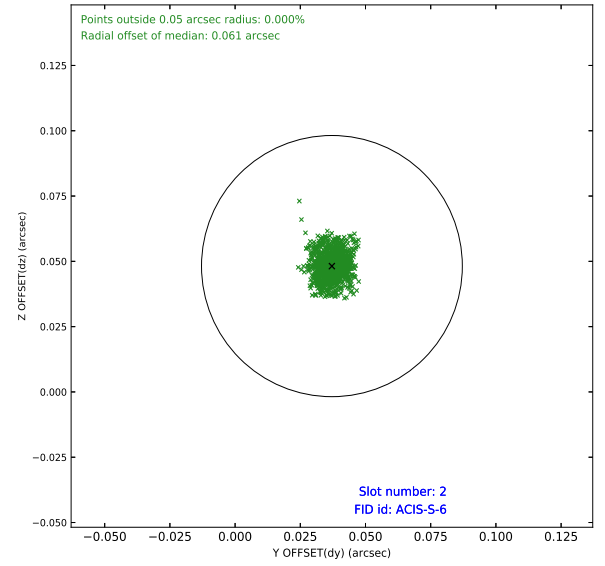
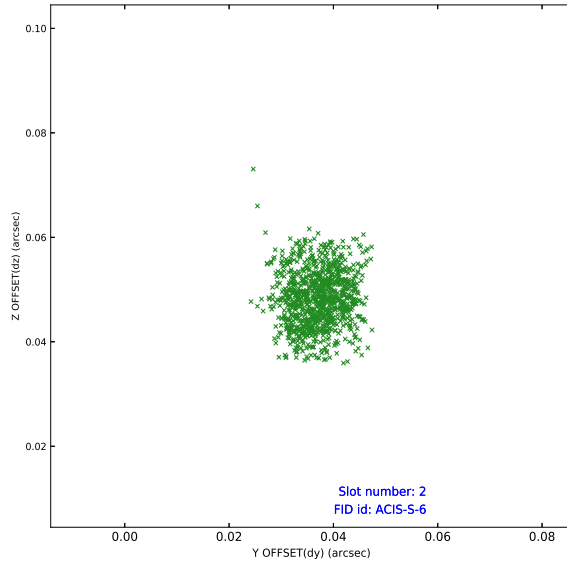
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.041

### A.2 Comments