

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4788 - L2 Version 5  
Chandra X-Ray Center

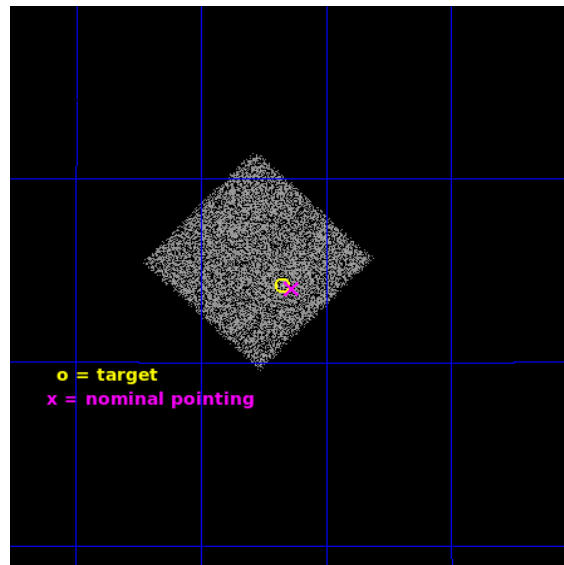
L2 Processing Date : Sep 26 2020

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# 1 Front

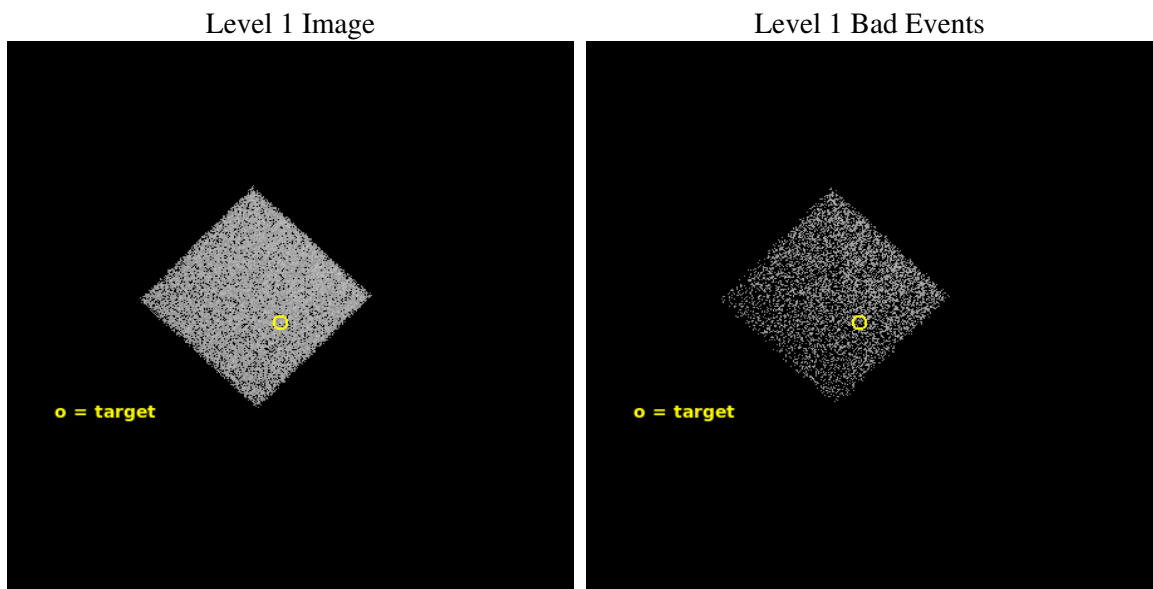
seq_num	700871	Sequence number
obs_id	4788	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1450-3971	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.04375	Observer's specified target RA [deg]
dec_targ	29.402444	Observer's specified target Dec [deg]
ra_nom	223.03399576262	Nominal RA [deg]
dec_nom	29.400139410032	Nominal Dec [deg]
roll_nom	223.96815354083	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4076.7210021913	Sum of GTIs [s]
livetime	4021.7040902369	Livetime [s]
ontime7	4076.7210021913	Sum of GTIs [s]
l2events	16217	Number of level 2 events



## 2 OBI

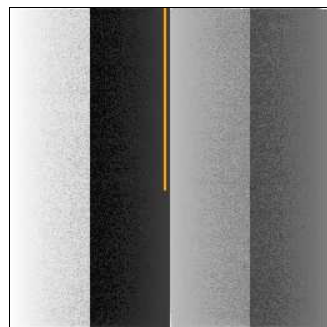
### 2.1 OBI

#### 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	4076.7210021913	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime7	4076.7210021913	Sum of GTIs [s]
date	2020-09-26T19:46:27	Date and time of file creation	l1events	40207	Number of level 1 events
revision	5	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	40207
rejected events	23467
rejected %	58%

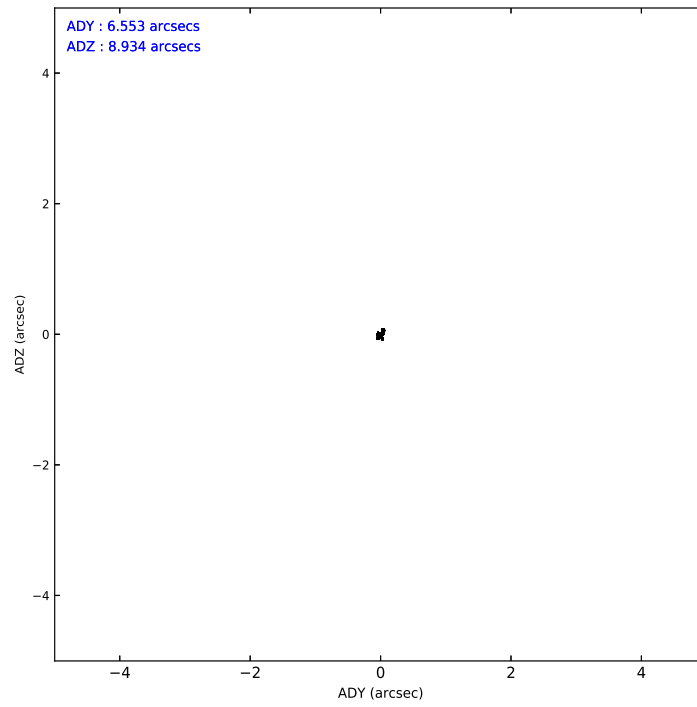
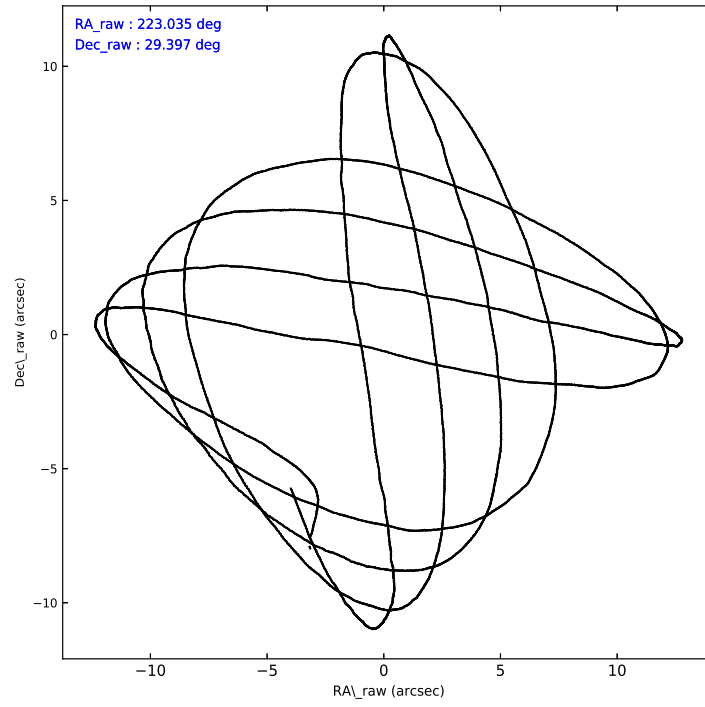
	<b>ccd 7</b>
grade 0 events	1429
	3%
grade 1 events	52
	0%
grade 2 events	3321
	8%
grade 3 events	1499
	3%
grade 4 events	1547
	3%
grade 5 events	3786
	9%
grade 6 events	8956
	22%
grade 7 events	19617
	48%

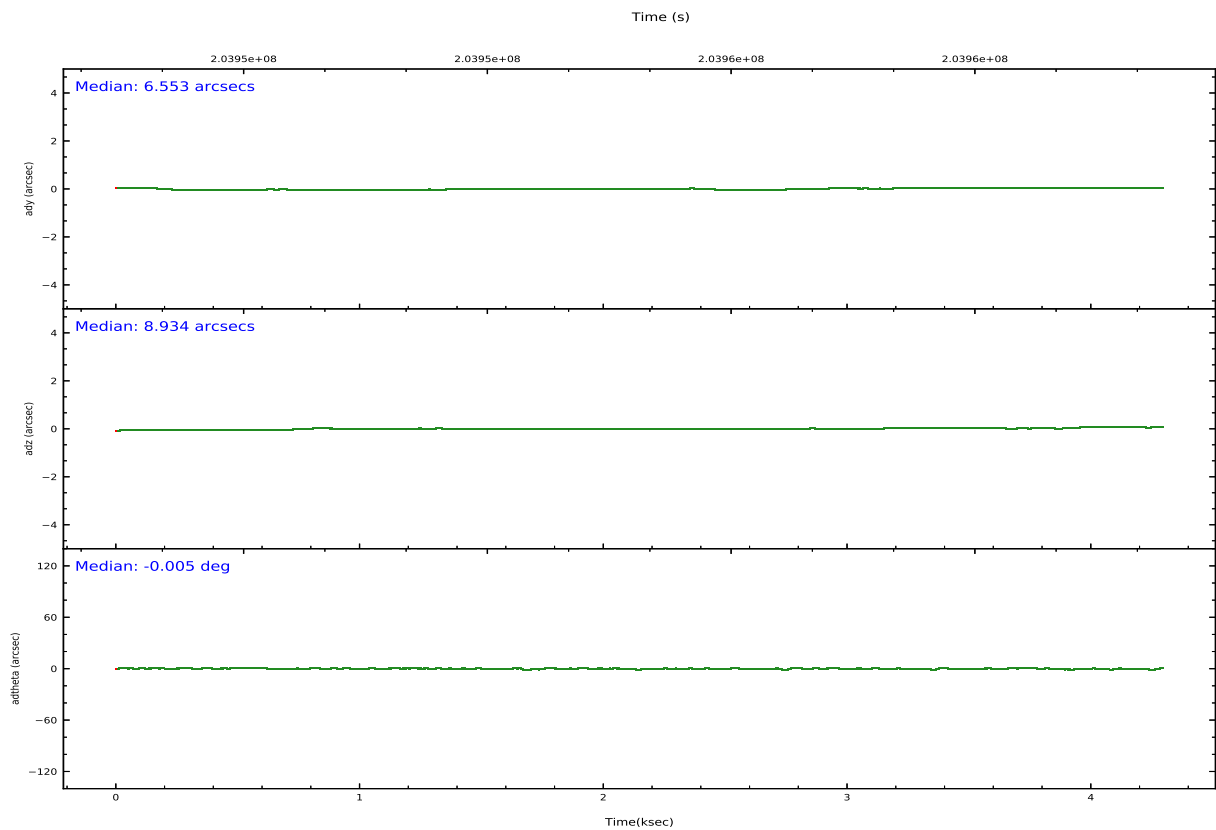
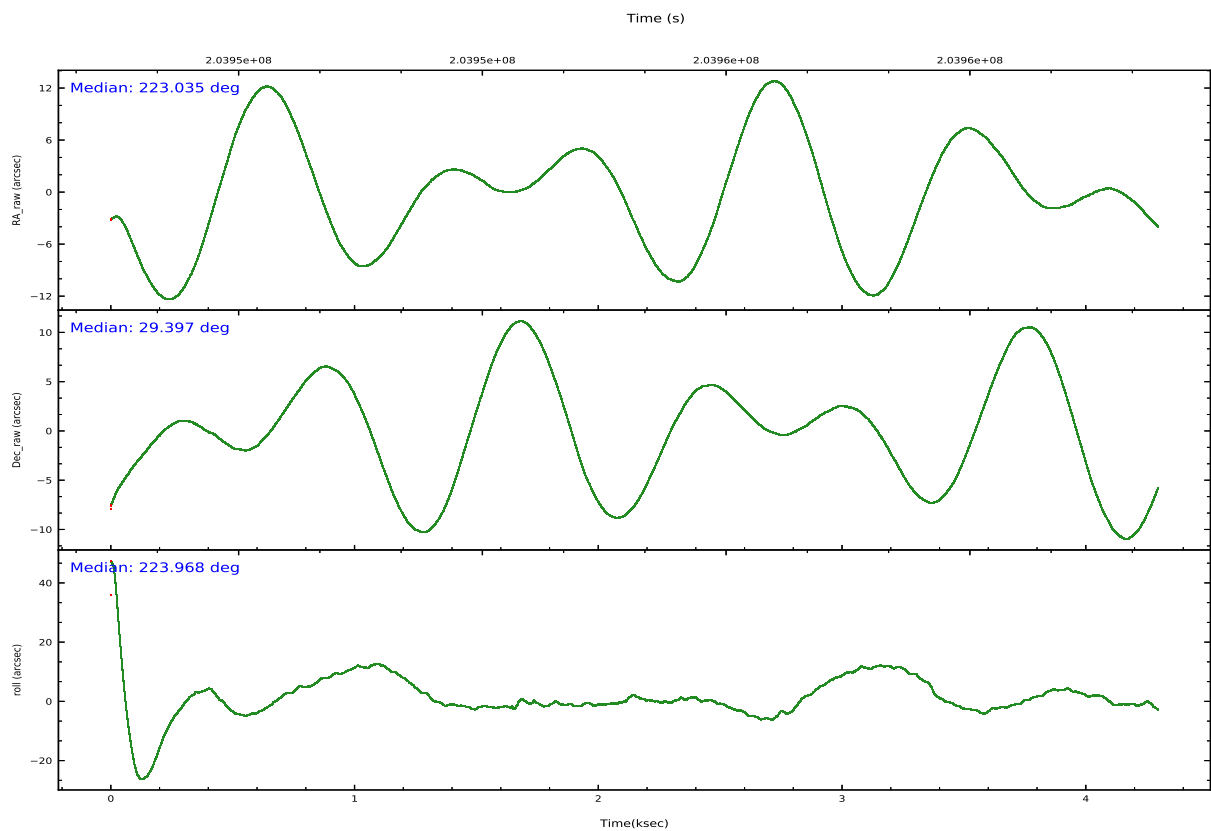


## 2.2 Compared Parameters

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	223.042756	223.03399576262	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.423326	29.400139410032	Alternating exposures requested	N	N
[deg] Pointing Roll	223.811786	223.96815354083	[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)	203952773.184000	203952038.05382			
Observation start date	2004-06-18T13:31:49	2004-06-18T13:20:38			
[s] Observation end time (MET)	203956773.184000	203957452.10406			
Observation end date	2004-06-18T14:38:29	2004-06-18T14:50:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect



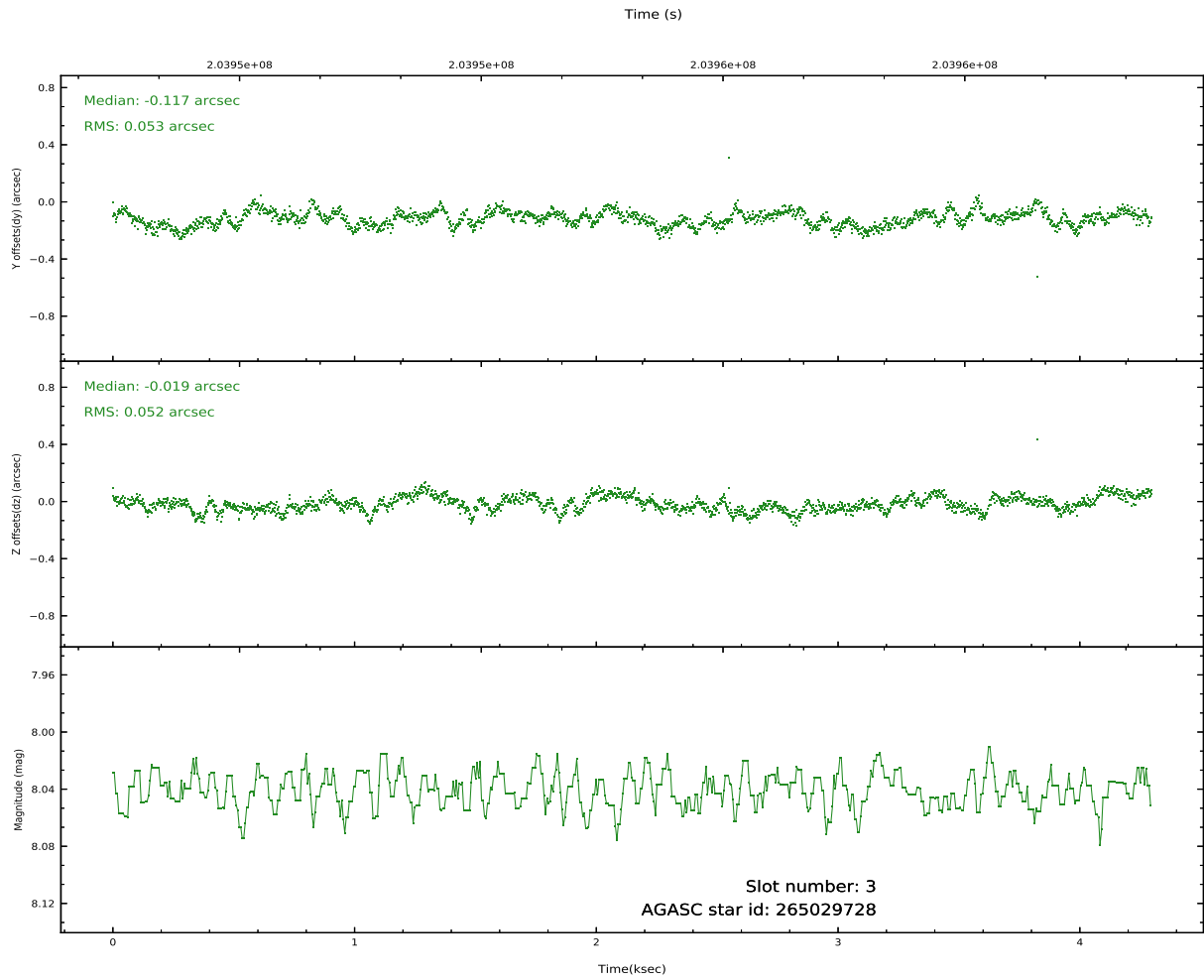
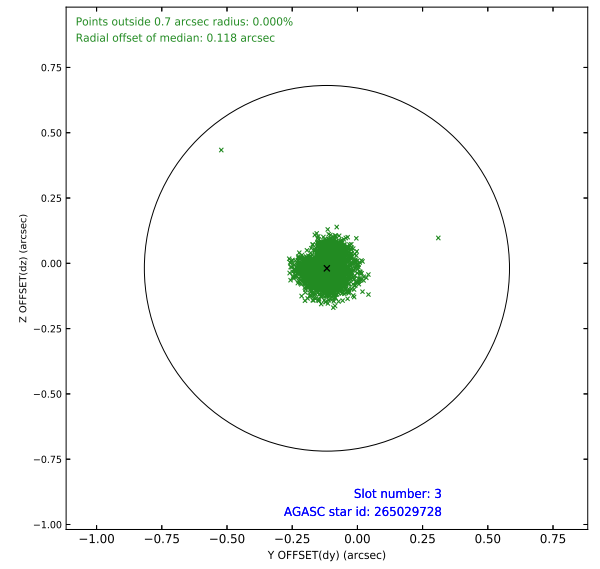
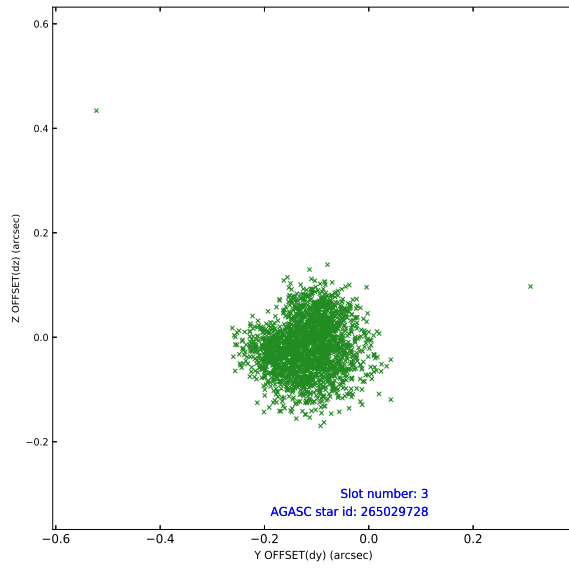


Slot Statistics

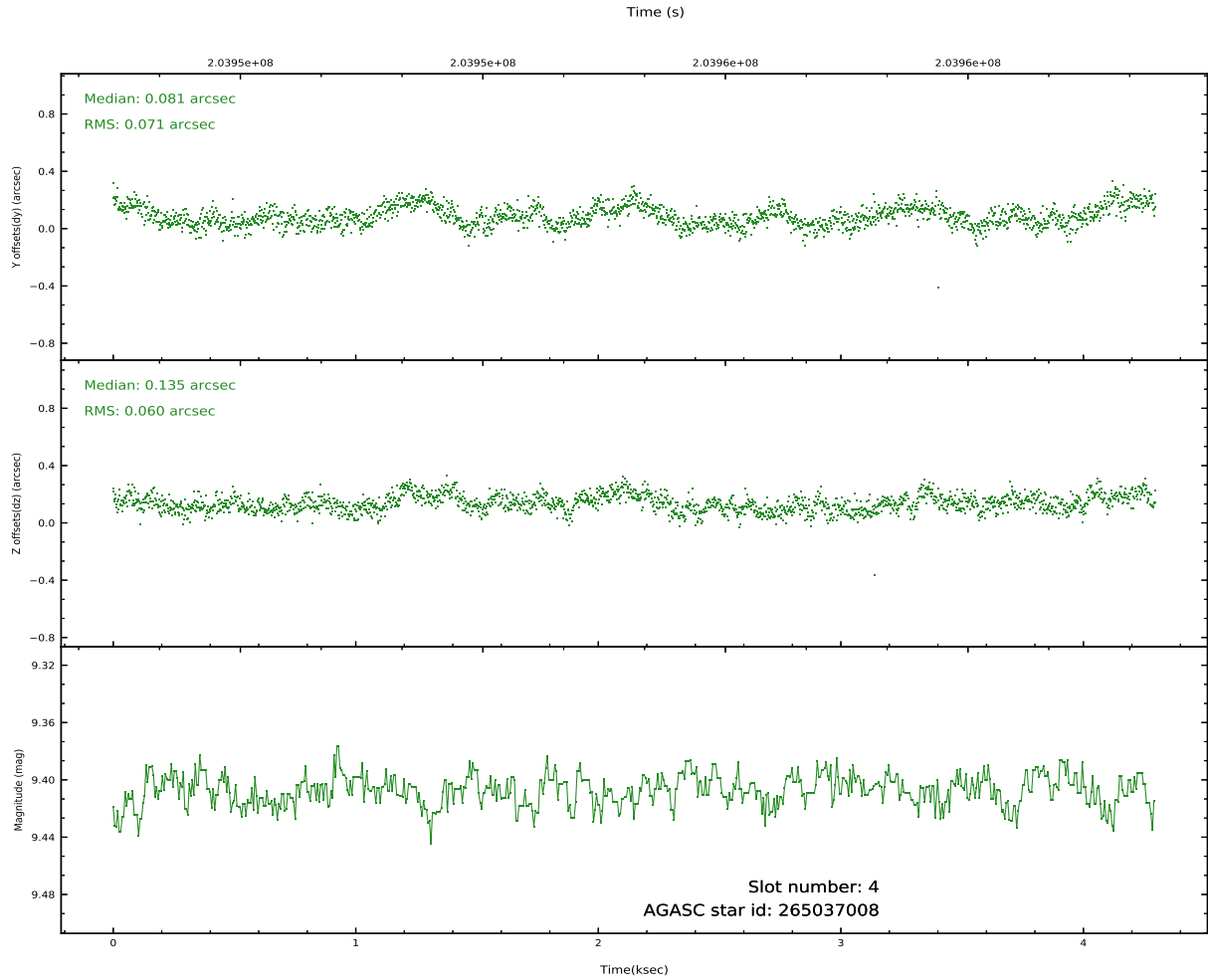
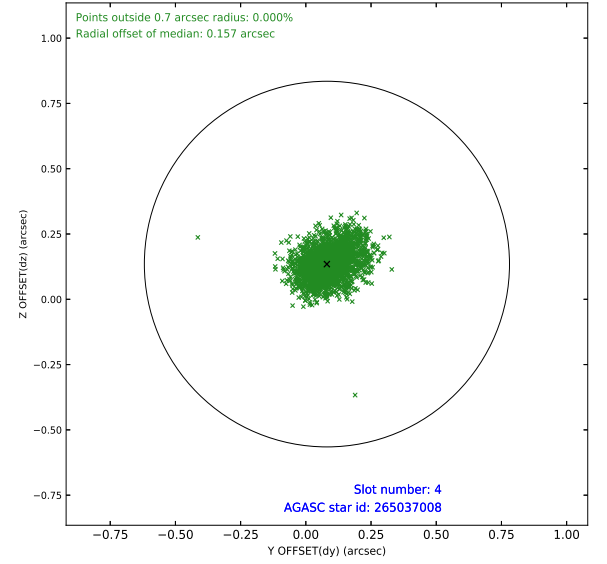
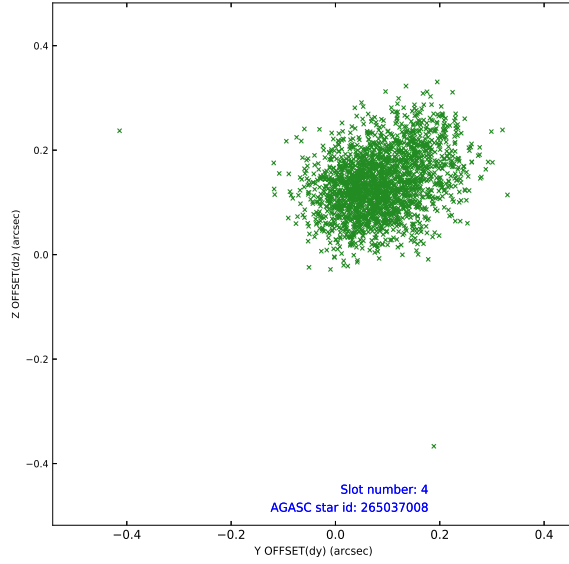
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1048	1.000	-0.068	-0.076	0.006	0.011	0.000000	0.000000	-759.34	-1730
1	FID		ACIS-S-4	7.20	1049	1.000	0.131	0.053	0.006	0.012	0.000000	0.000000	2153.46	176
2	FID		ACIS-S-5	7.23	1047	1.000	-0.094	0.032	0.007	0.013	0.000000	0.000000	-1810.37	172
3	GUIDE	used	265029728	8.04	2097	1.000	-0.117	-0.019	0.080	0.121	223.171215	29.256203	125.04	713
4	GUIDE	used	265037008	9.41	2095	1.000	0.081	0.135	0.098	0.162	222.780703	28.744402	2288.10	1191
5	GUIDE	used	265164608	9.83	2094	1.000	-0.052	0.141	0.143	0.250	223.478489	29.236472	-523.12	1431
6	GUIDE	used	265167032	10.11	2094	1.000	-0.059	-0.080	0.169	0.279	223.653915	29.024560	-398.78	2364
7	GUIDE	used	265034064	10.93	2089	1.000	0.156	-0.180	0.260	0.437	222.586634	28.876789	2397.51	423

## 2.4 Star Slots

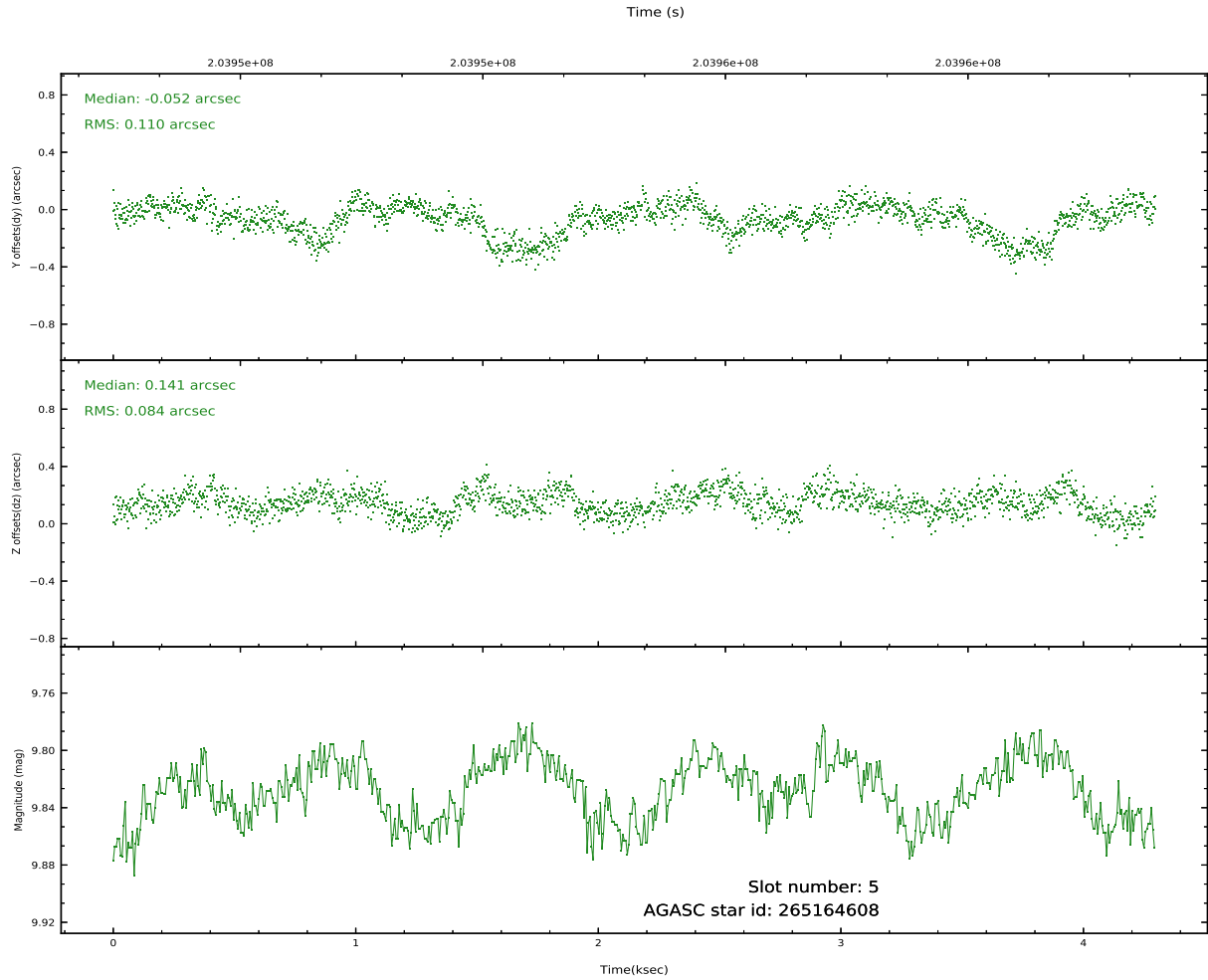
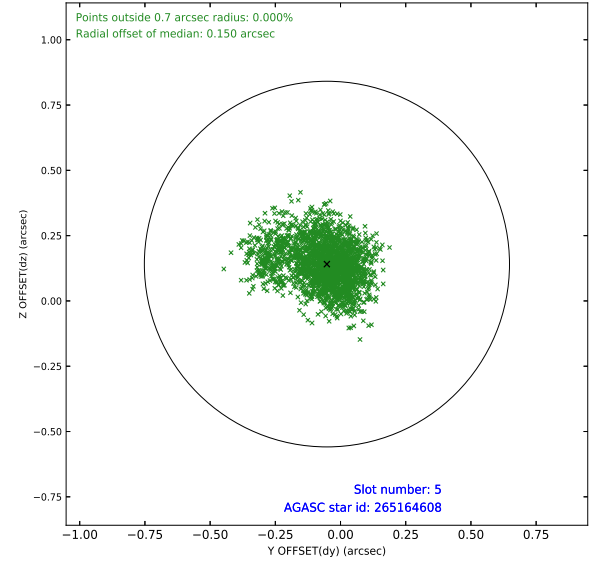
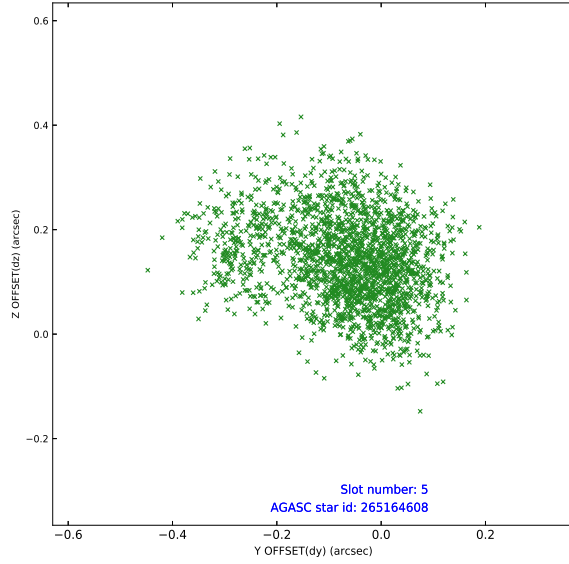
### 2.4.1 Slot 3



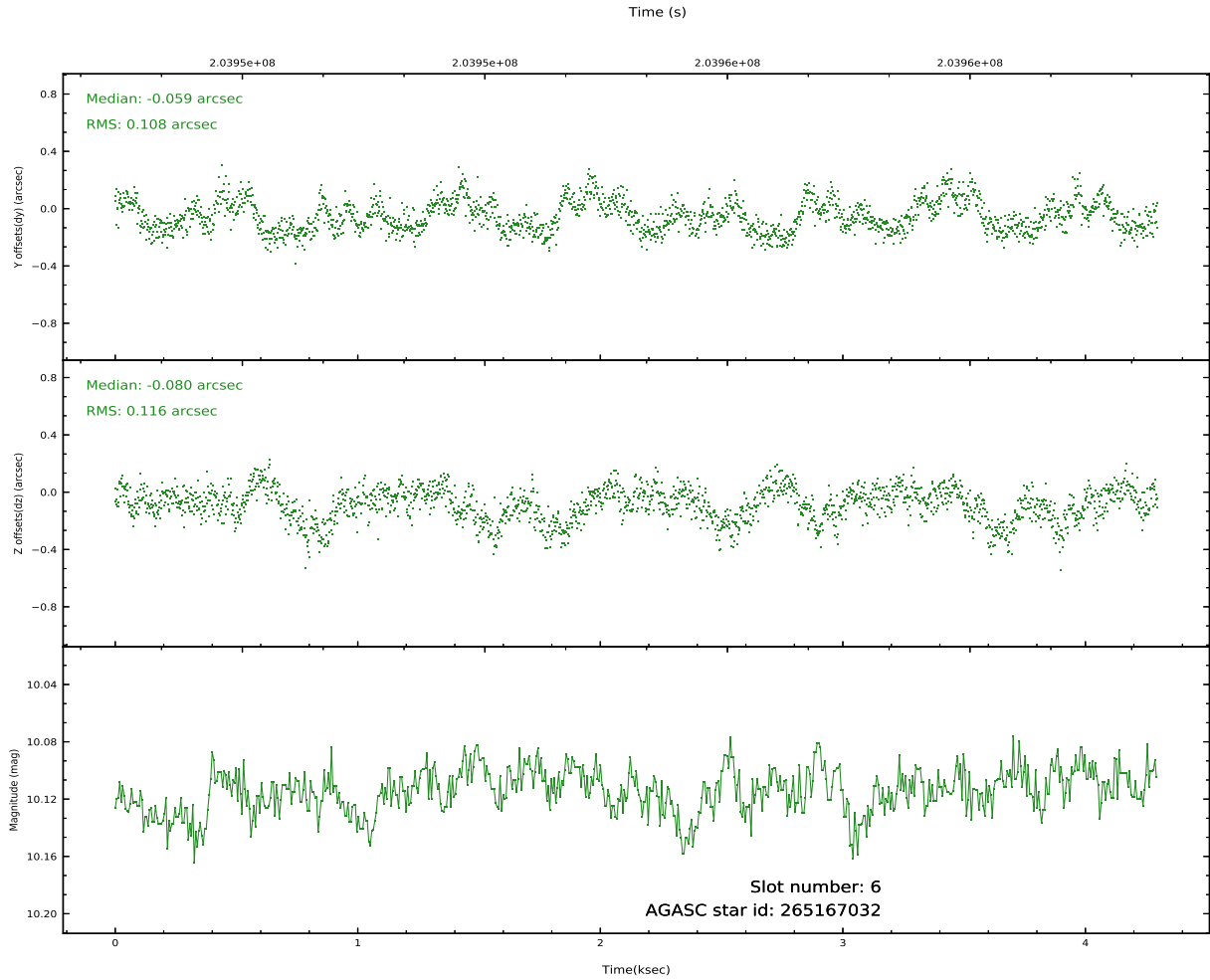
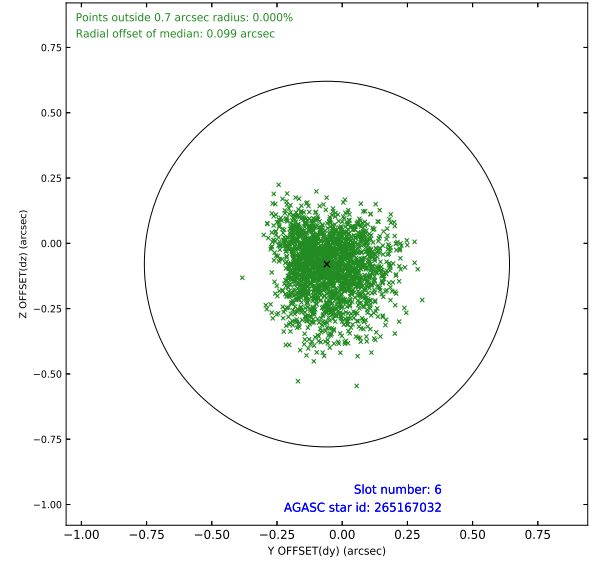
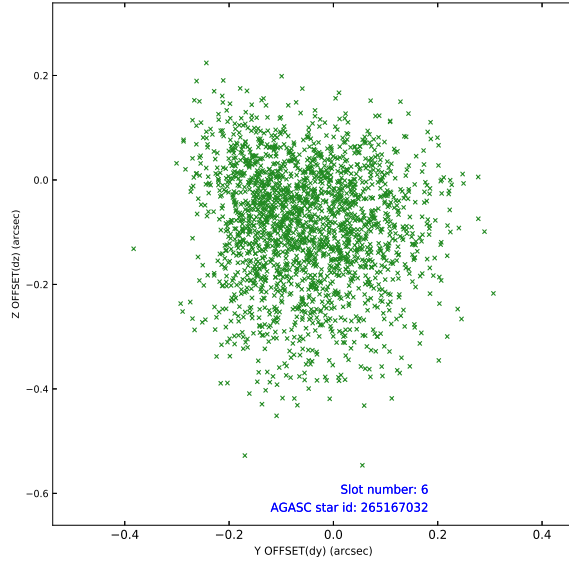
## 2.4.2 Slot 4



### 2.4.3 Slot 5

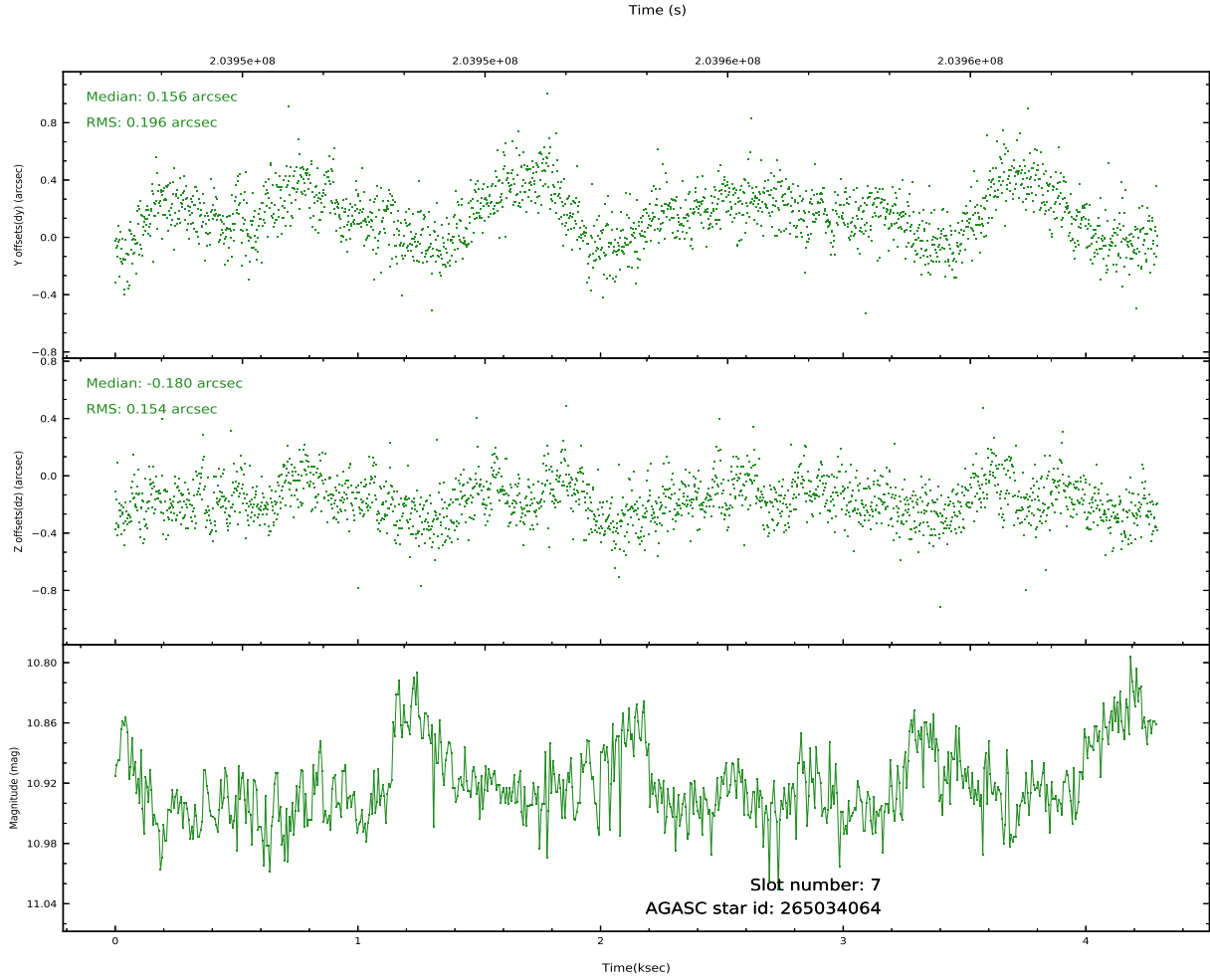
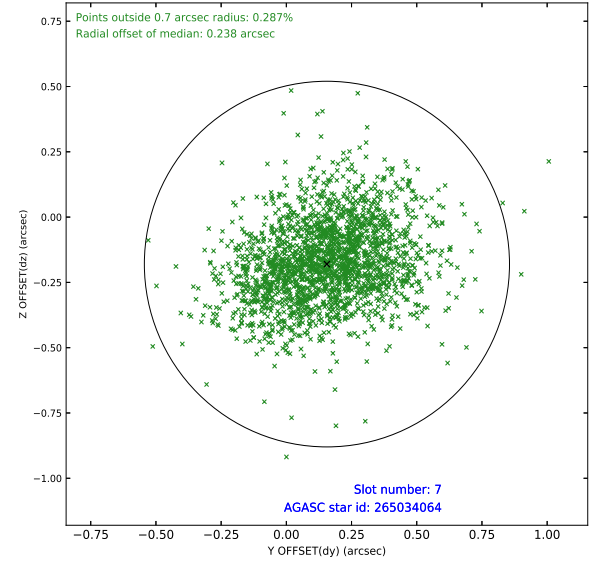
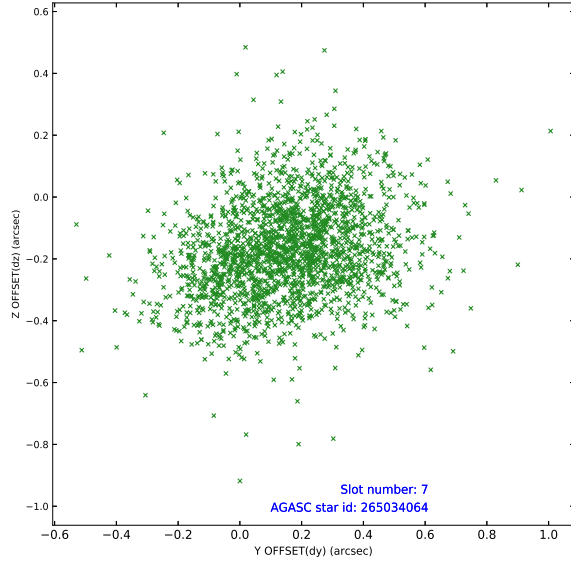


## 2.4.4 Slot 6



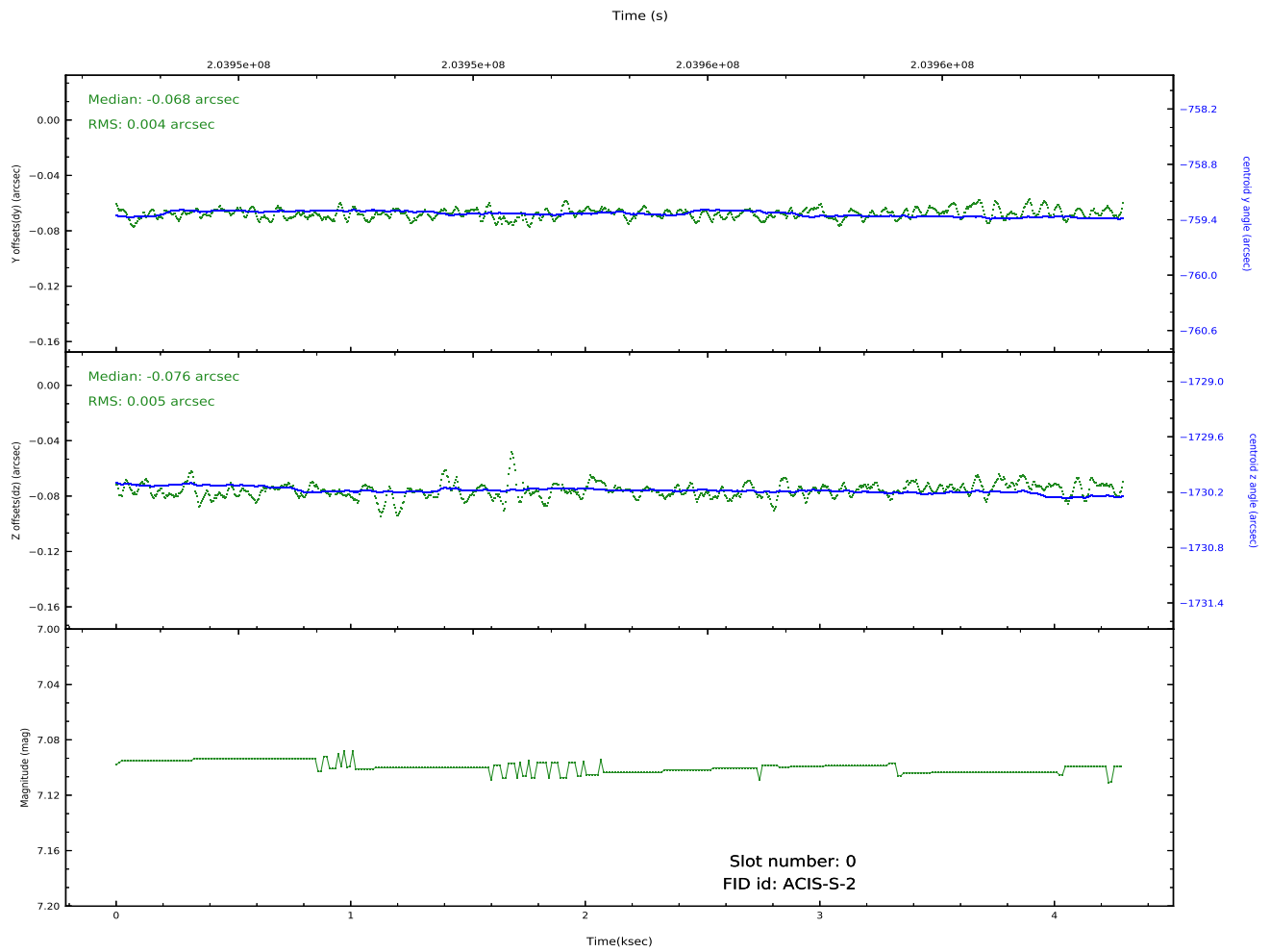
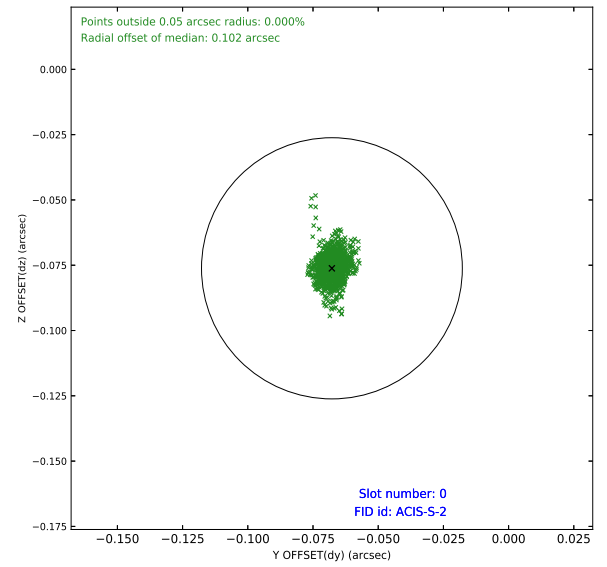
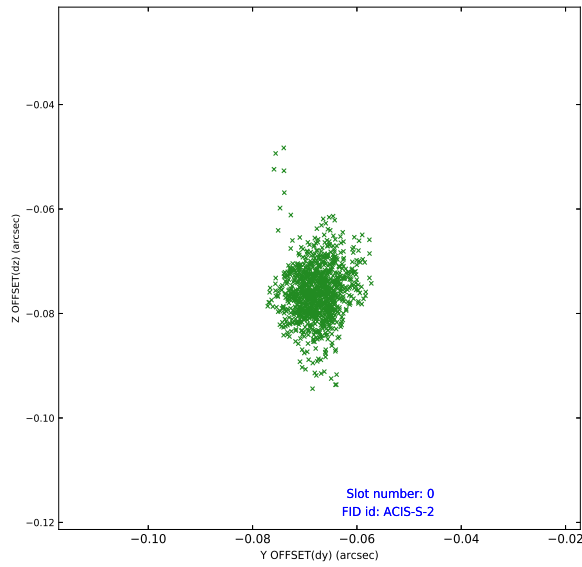


## 2.4.5 Slot 7

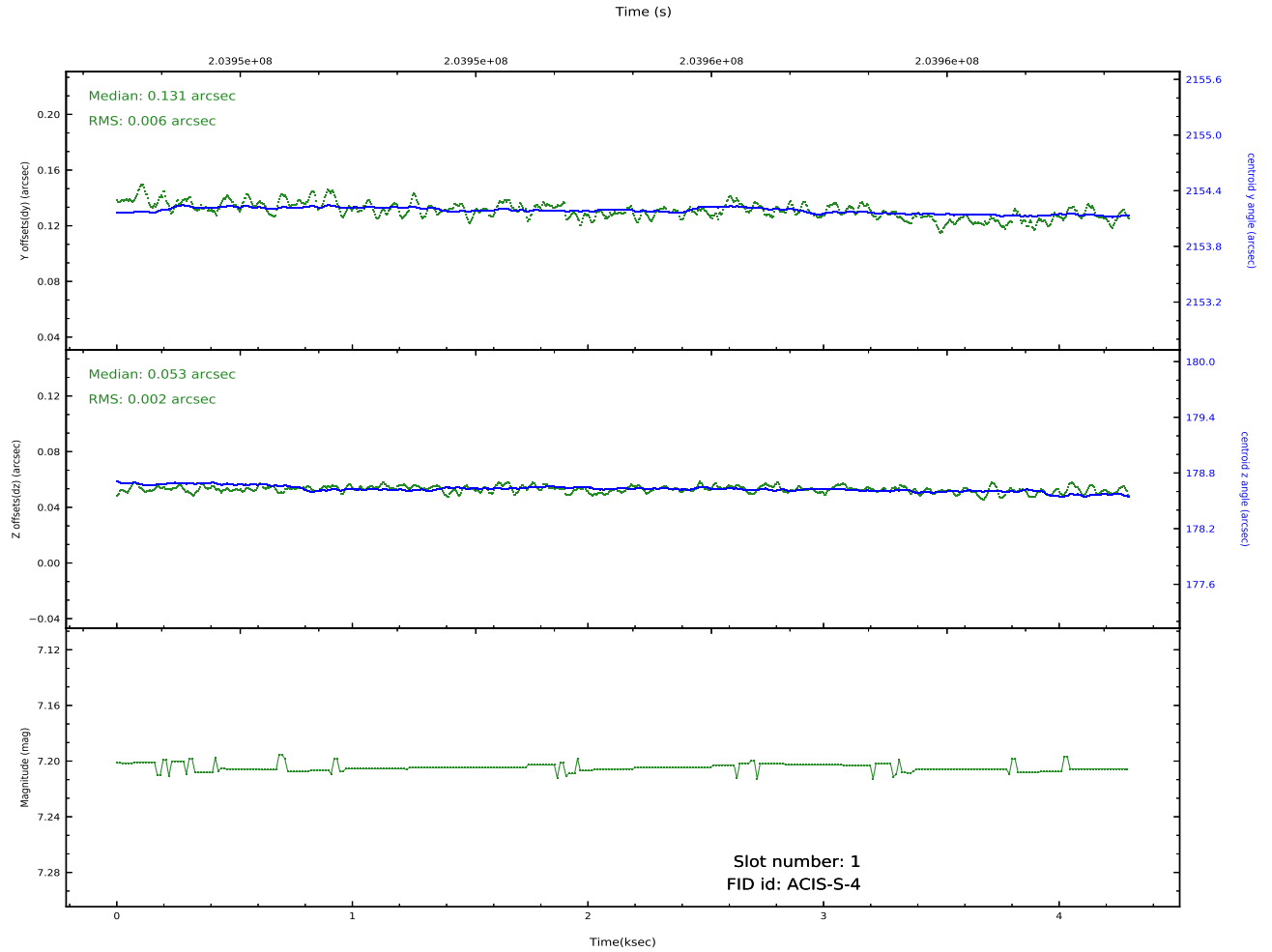
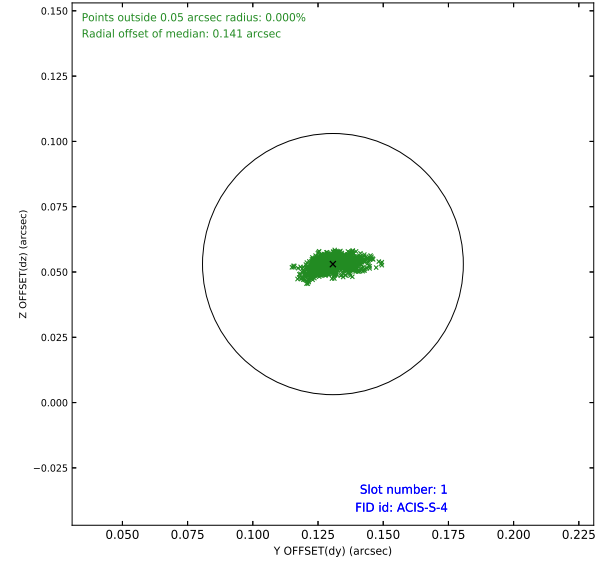
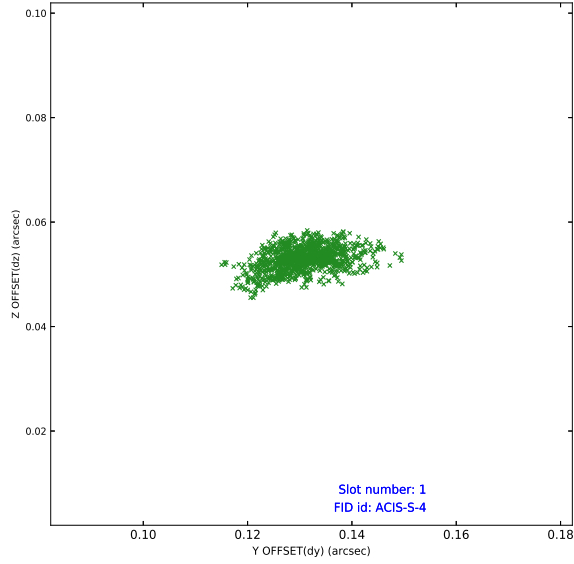


## 2.5 FID Slots

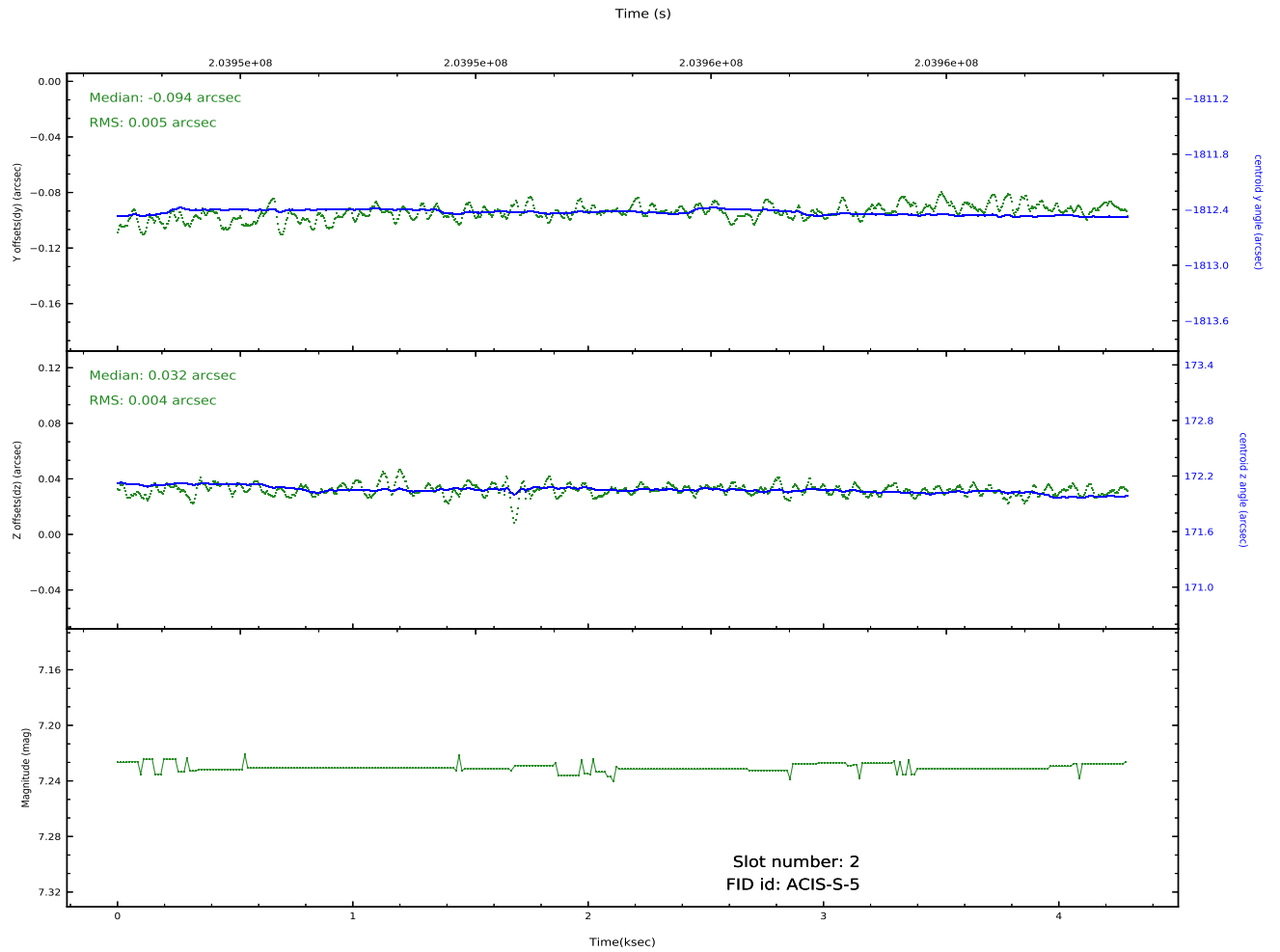
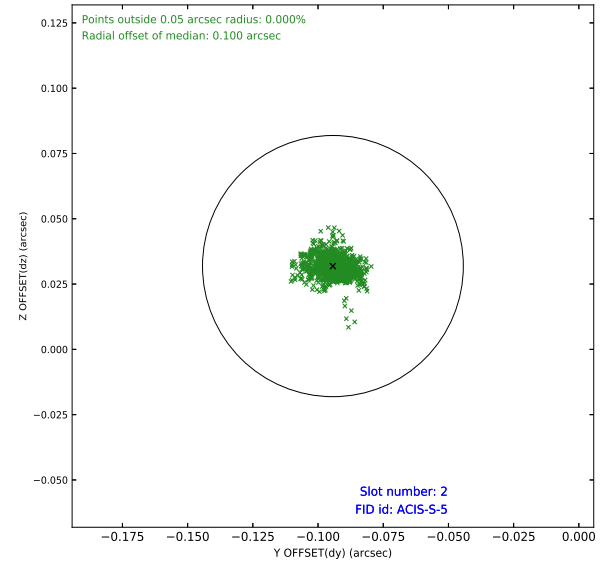
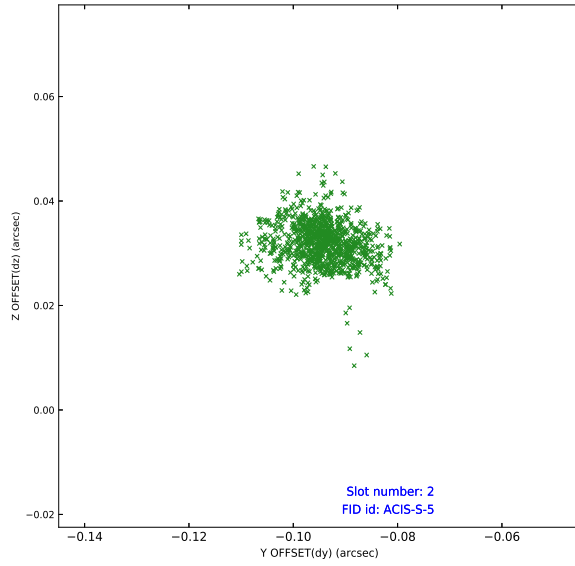
### 2.5.1 Slot 0



## 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)	2020.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.077

### A.2 Comments