

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 5677 - L2 Version 5  
Chandra X-Ray Center

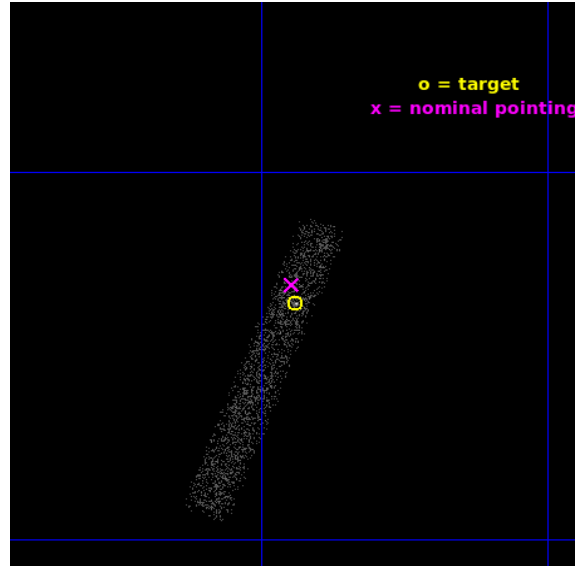
L2 Processing Date : Oct 8 2020

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# 1 Front

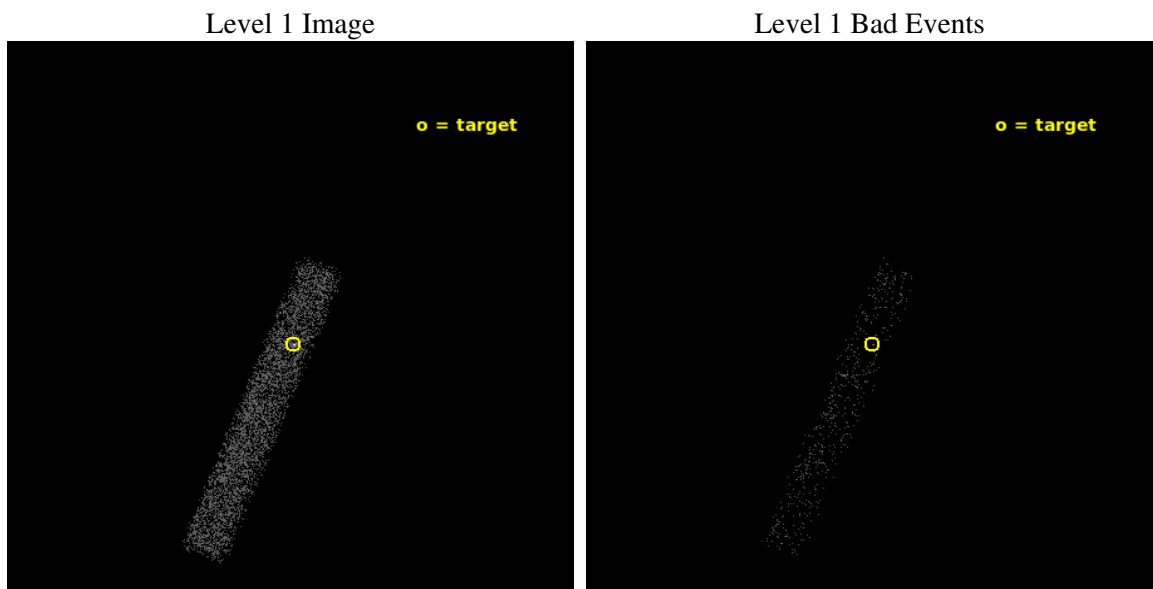
seq_num	701100	Sequence number
obs_id	5677	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RGB2307+041	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	346.86	Observer's specified target RA [deg]
dec_targ	4.107139	Observer's specified target Dec [deg]
ra_nom	346.86151945526	Nominal RA [deg]
dec_nom	4.1158062983646	Nominal Dec [deg]
roll_nom	111.51380001434	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4853.6000722945	Sum of GTIs [s]
livetime	4401.9590715531	Livetime [s]
ontime7	4853.6000722945	Sum of GTIs [s]
l2events	3365	Number of level 2 events



## 2 OBI

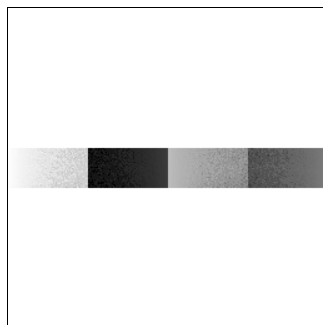
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4853.6000722945	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime7	4853.6000722945	Sum of GTIs [s]
date	2020-10-08T13:58:17	Date and time of file creation	l1events	6920	Number of level 1 events
revision	5	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	6920
rejected events	3437
rejected %	49%

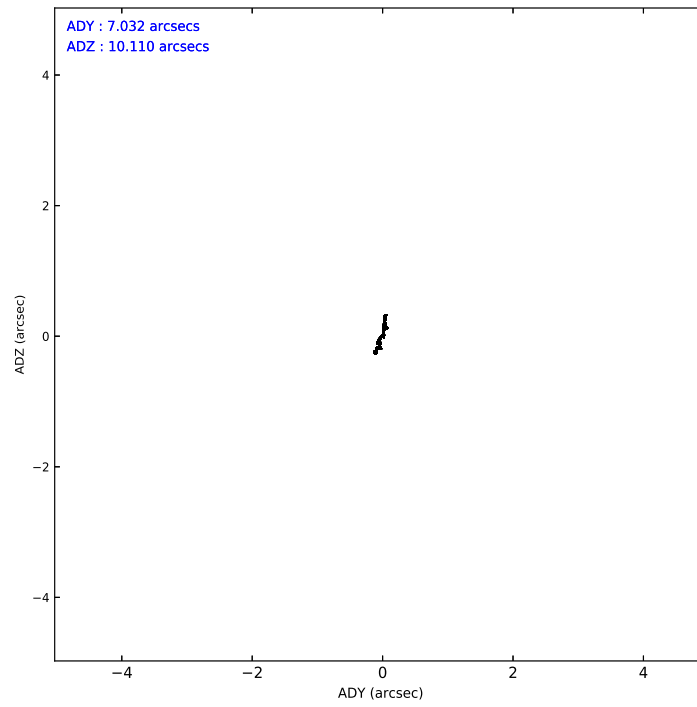
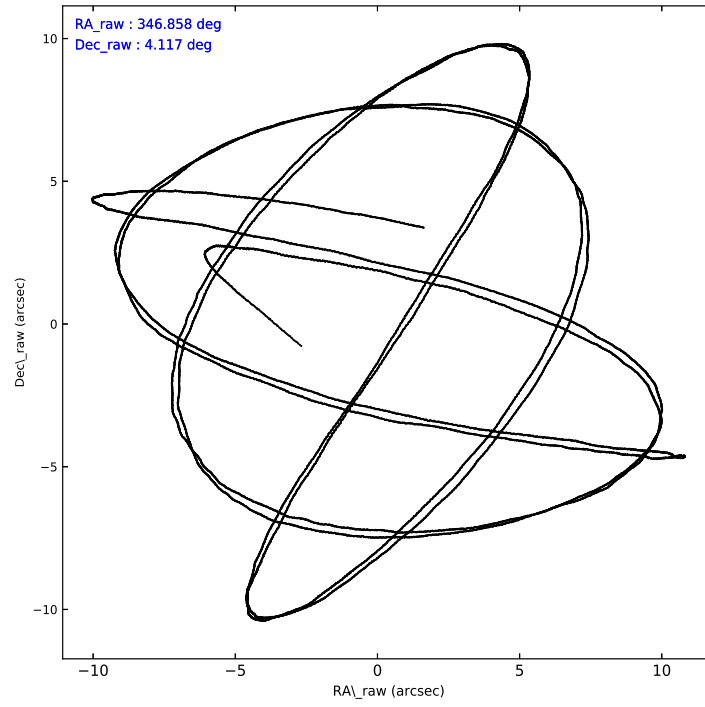
	<b>ccd 7</b>
grade 0 events	463
	6%
grade 1 events	7
	0%
grade 2 events	745
	10%
grade 3 events	428
	6%
grade 4 events	455
	6%
grade 5 events	623
	9%
grade 6 events	1392
	20%
grade 7 events	2807
	40%

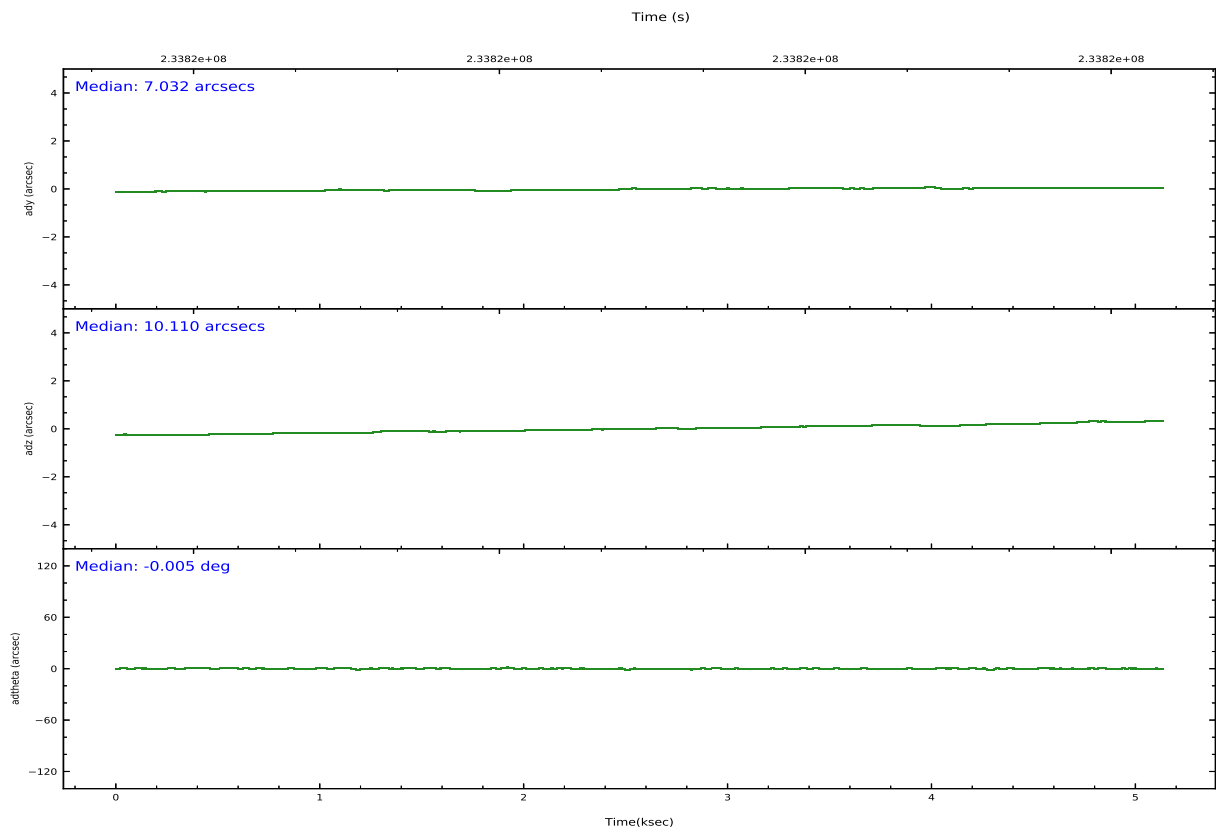
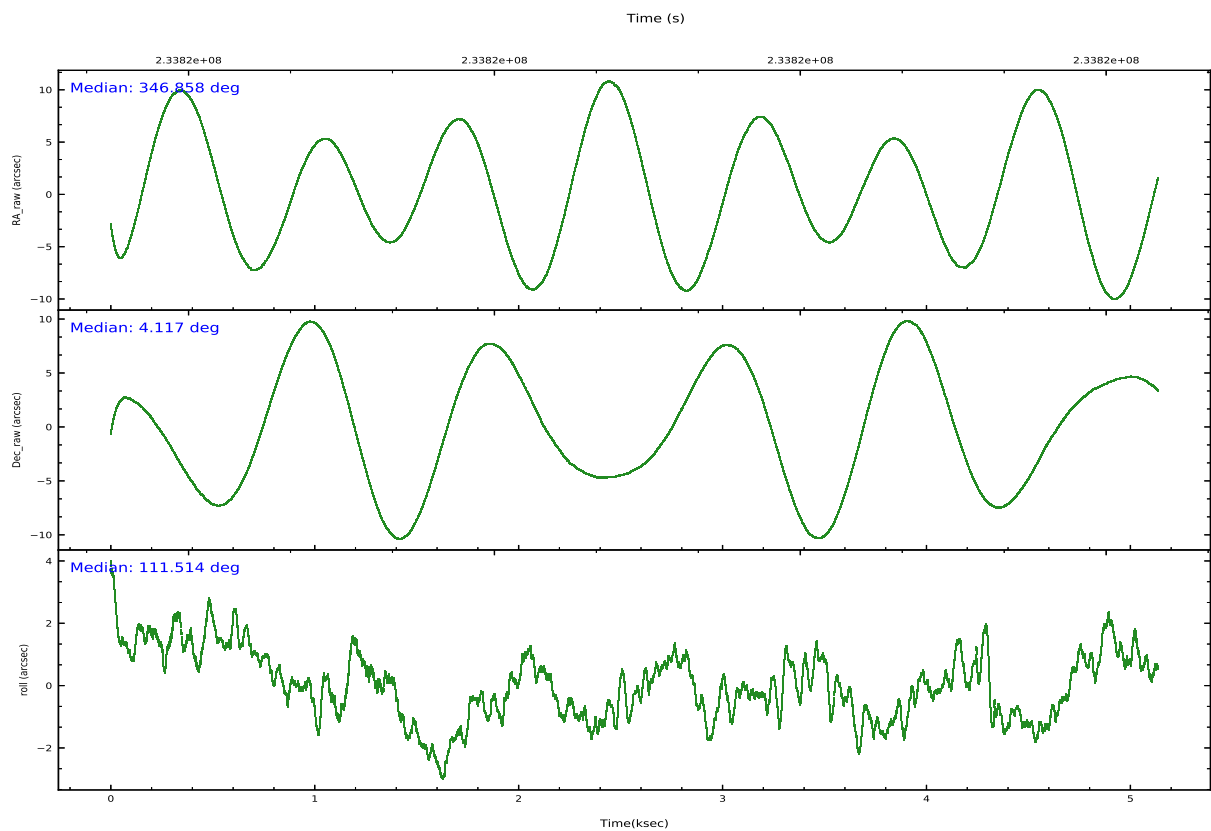


## 2.2 Compared Parameters

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	346.879679	346.86151945526	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	4.099959	4.1158062983646	Subarray start row	449	449
[deg] Pointing Roll	111.355129	111.51380001434	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	233816255.184000	233814627.19648			
Observation start date	2005-05-30T04:56:31	2005-05-30T04:30:27			
[s] Observation end time (MET)	233821255.184000	233822020.52182			
Observation end date	2005-05-30T06:19:51	2005-05-30T06:33:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



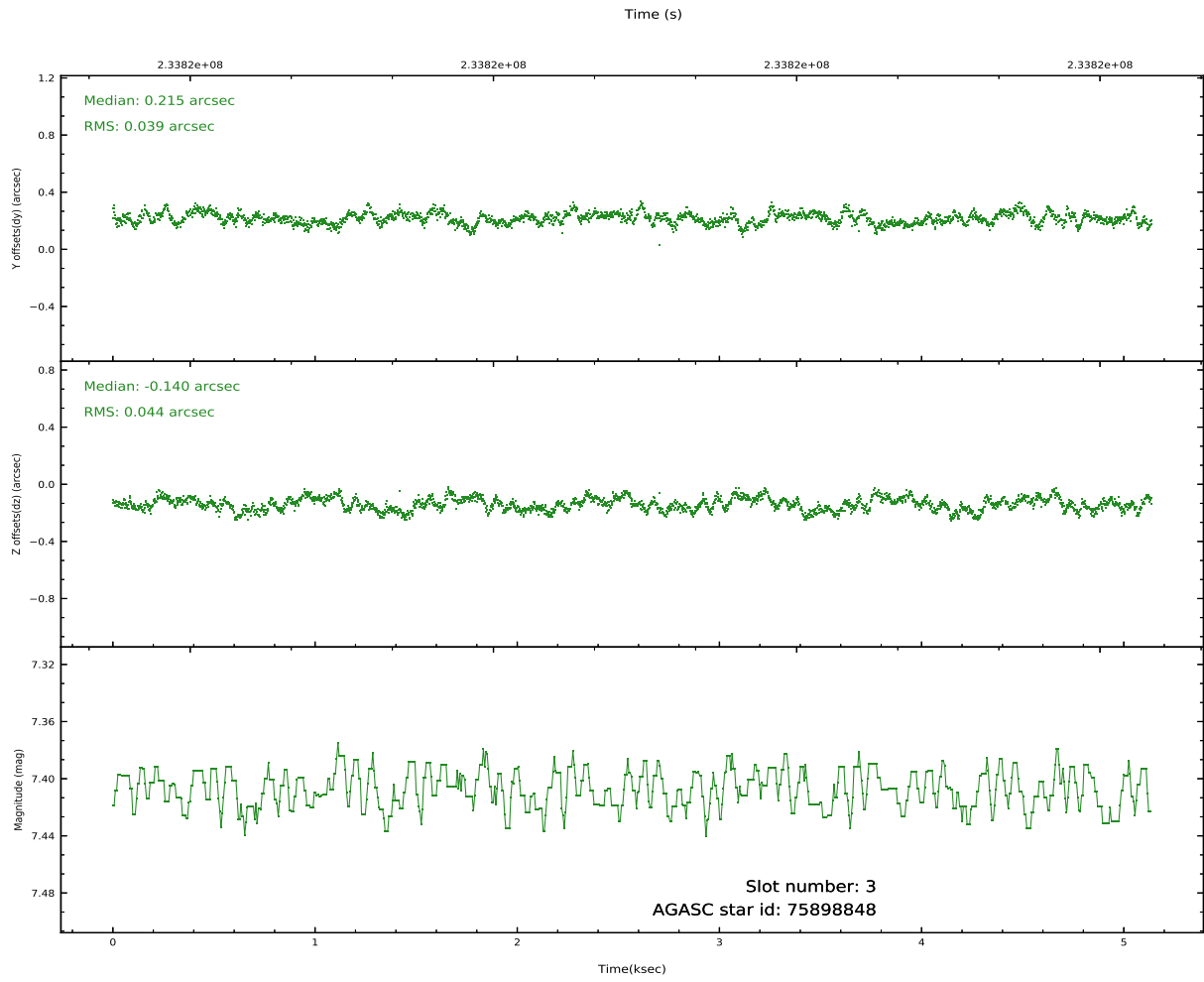
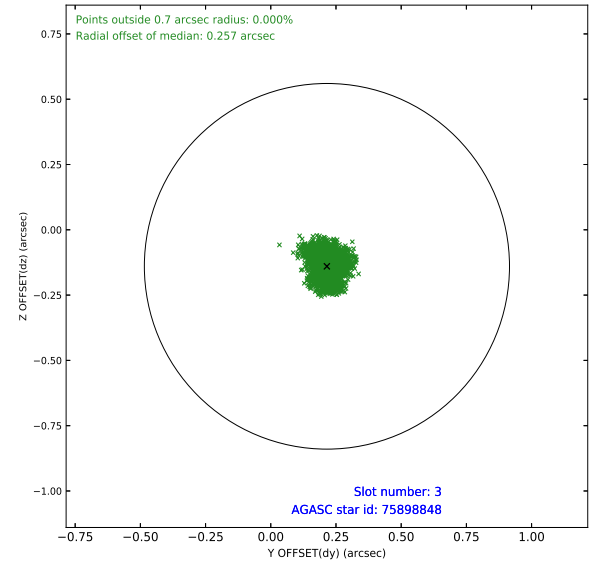
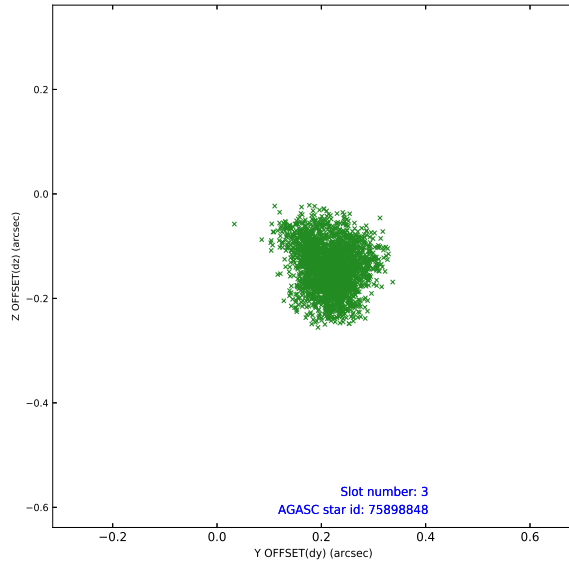


Slot Statistics

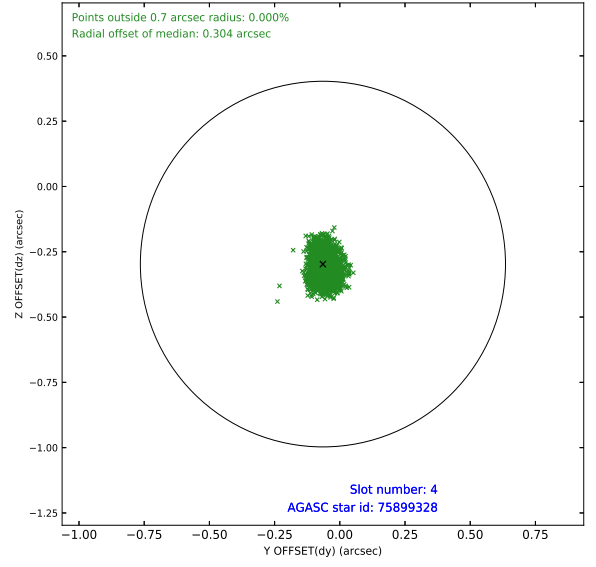
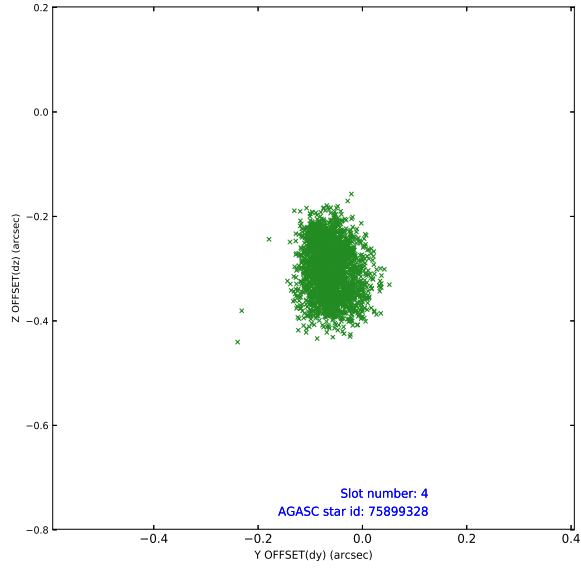
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1254	1.000	-0.119	-0.096	0.006	0.010	0.000000	0.000000	-759.84	-1731
1	FID		ACIS-S-4	7.21	1253	1.000	0.105	0.059	0.007	0.011	0.000000	0.000000	2153.08	176
2	FID		ACIS-S-6	7.35	1253	1.000	-0.014	0.045	0.007	0.013	0.000000	0.000000	403.70	814
3	GUIDE	used	75898848	7.41	2507	1.000	0.215	-0.140	0.064	0.100	347.007385	3.573023	-1933.76	262
4	GUIDE	used	75899328	7.24	2507	1.000	-0.065	-0.297	0.063	0.100	346.250675	4.225401	1241.77	1937
5	GUIDE	used	75900192	8.08	2506	1.000	-0.101	0.150	0.068	0.111	347.145089	4.678006	1592.10	-1643
6	GUIDE	used	75901128	8.99	2506	1.000	0.203	0.153	0.074	0.120	347.412072	3.788418	-1739.45	-1373
7	GUIDE	used	75895576	7.32	2506	1.000	-0.255	0.136	0.058	0.096	347.013510	4.874271	2420.66	-1462

## 2.4 Star Slots

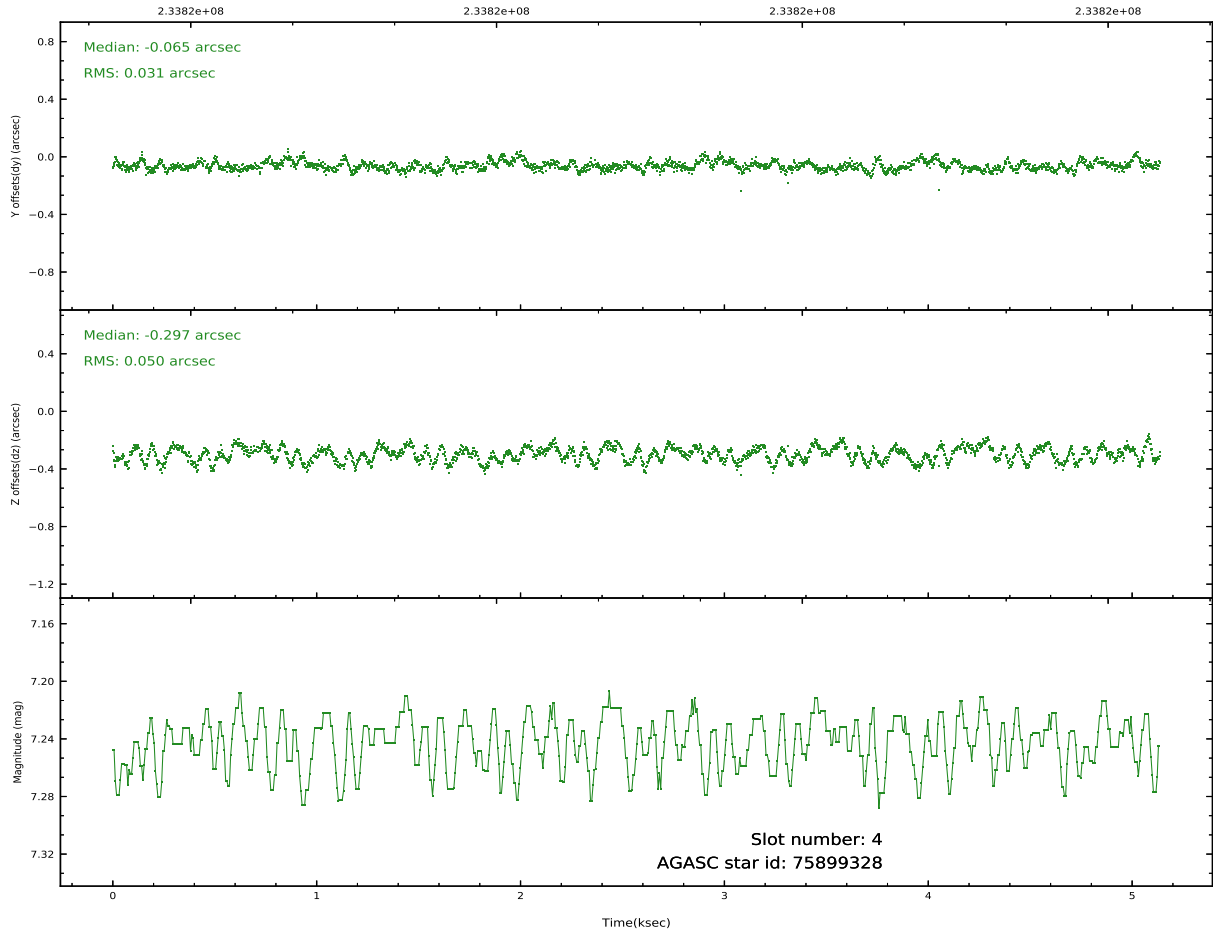
### 2.4.1 Slot 3



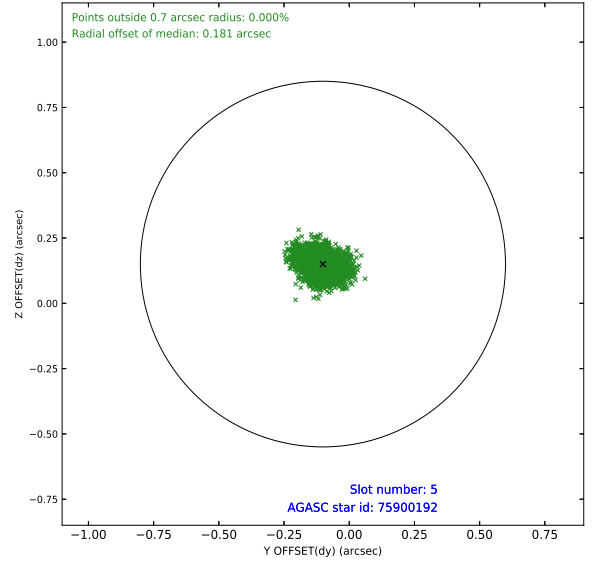
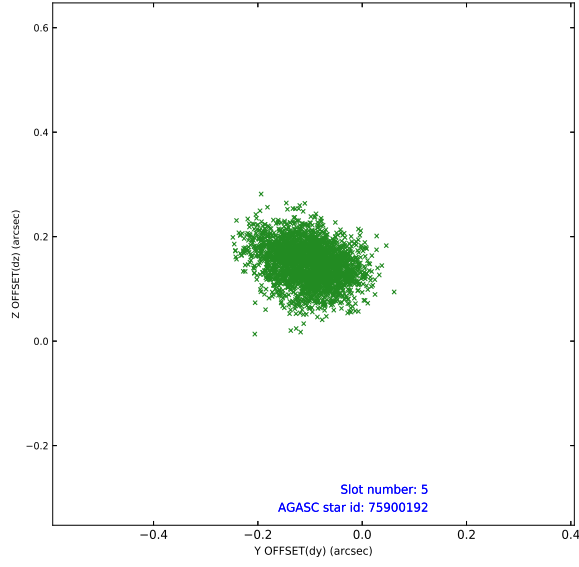
## 2.4.2 Slot 4



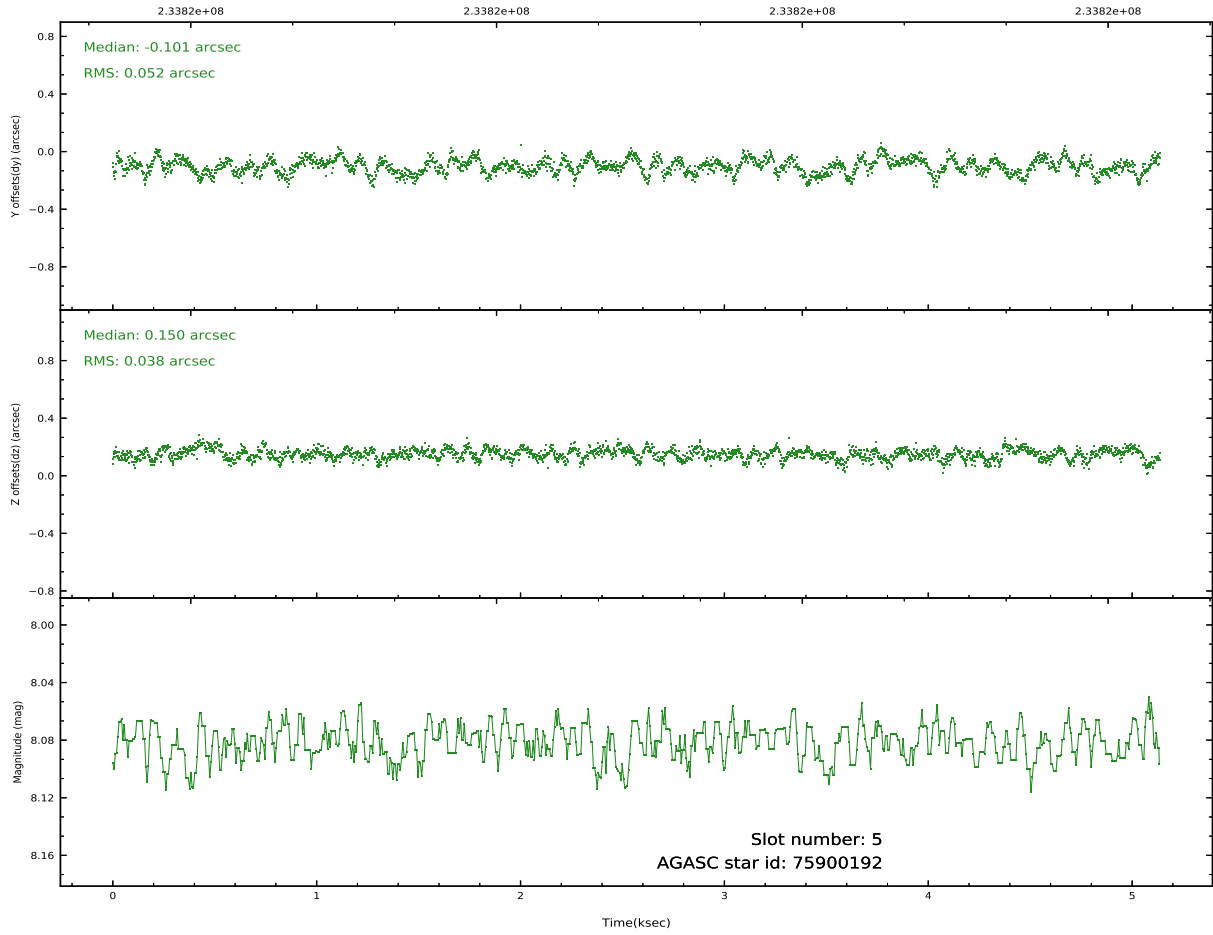
Time (s)



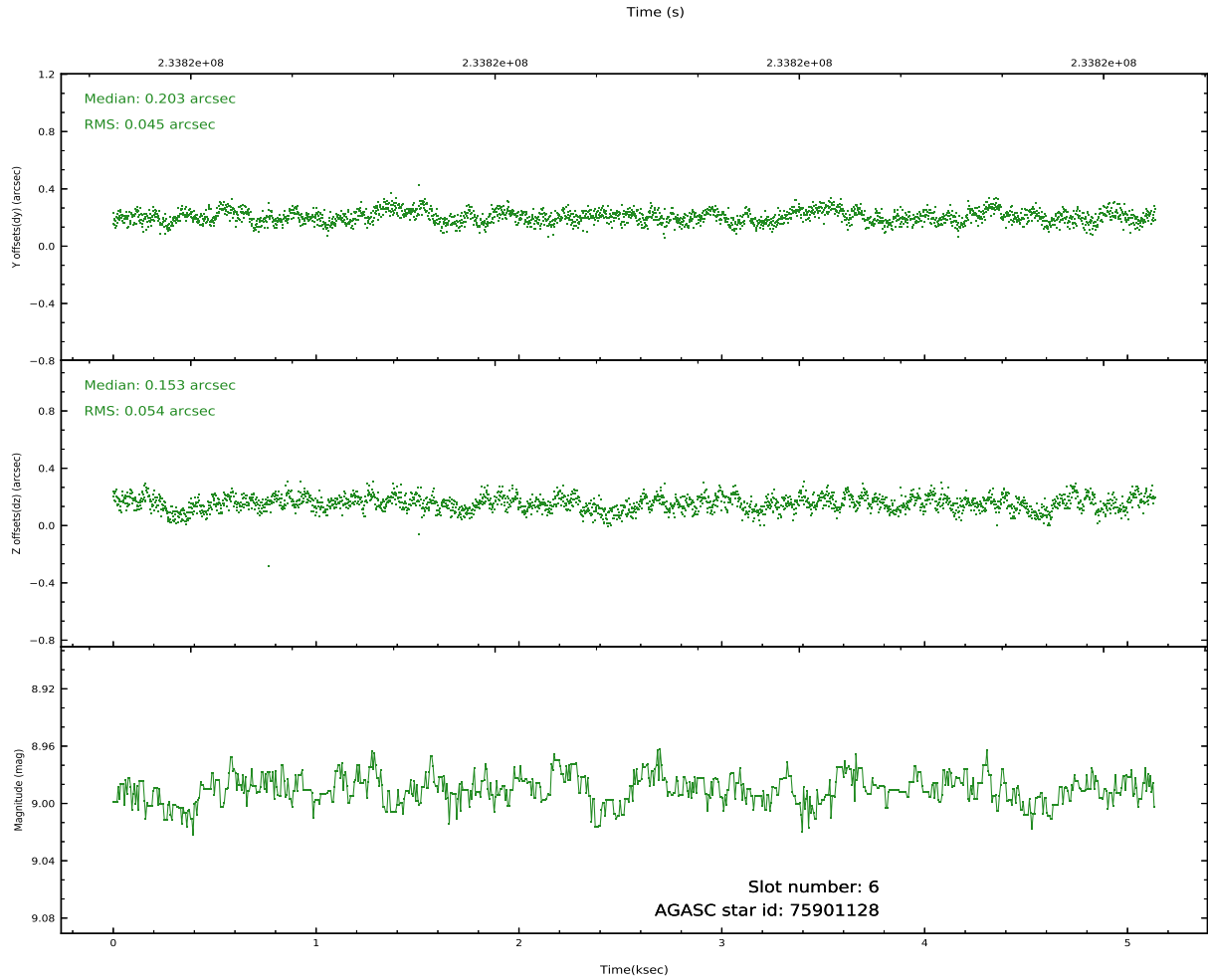
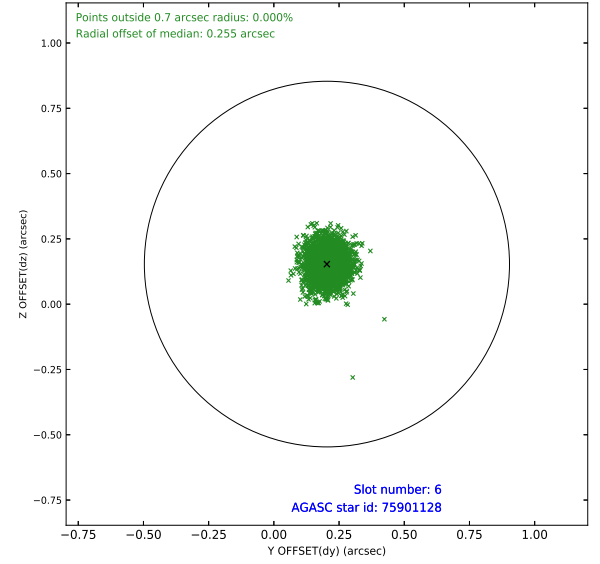
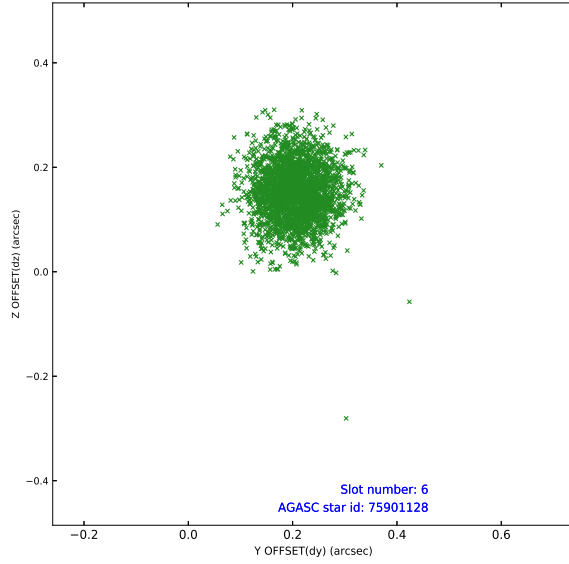
### 2.4.3 Slot 5



Time (s)

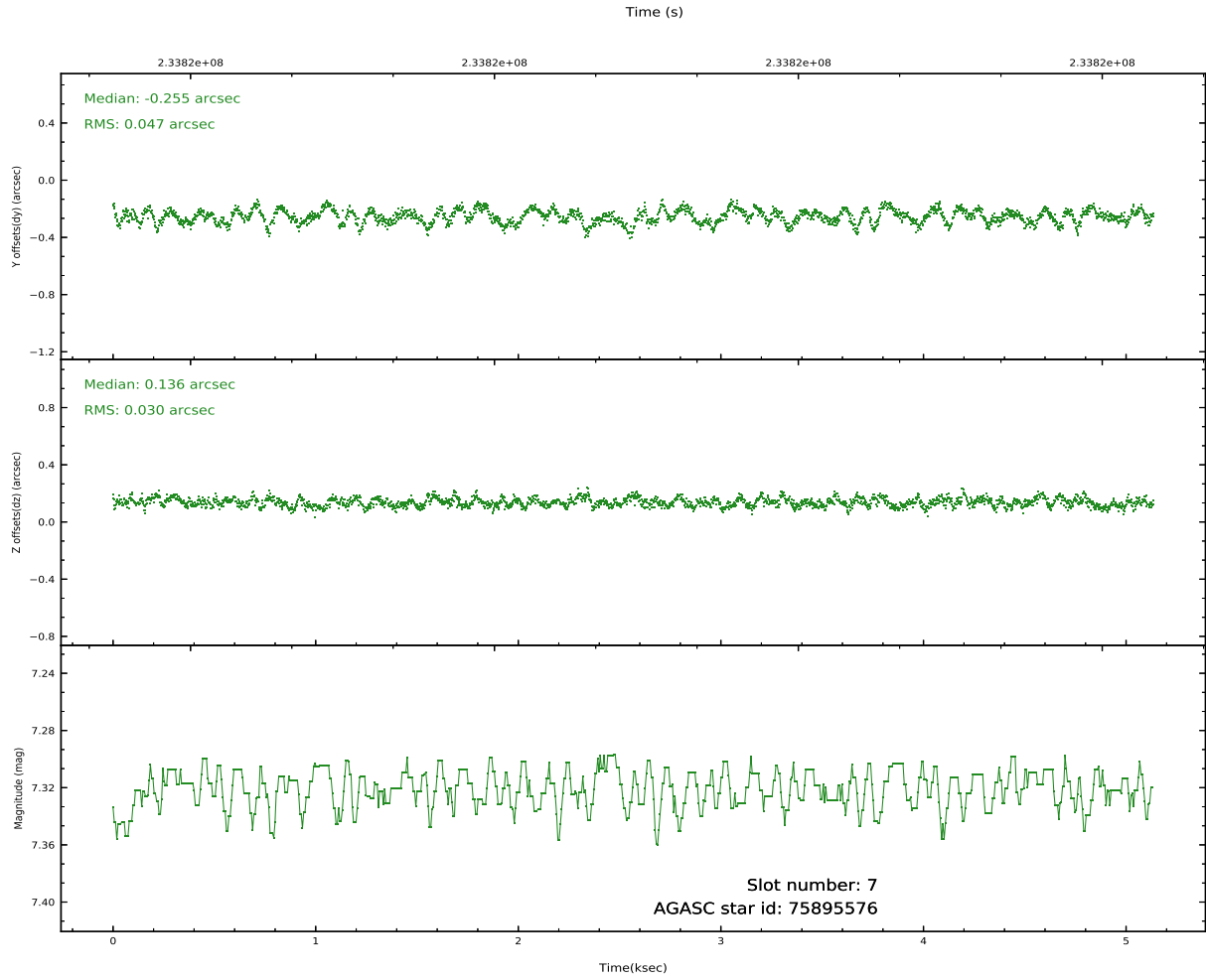
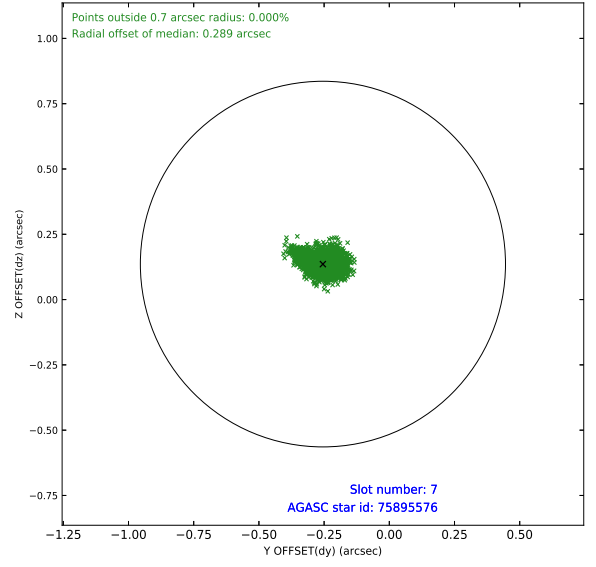
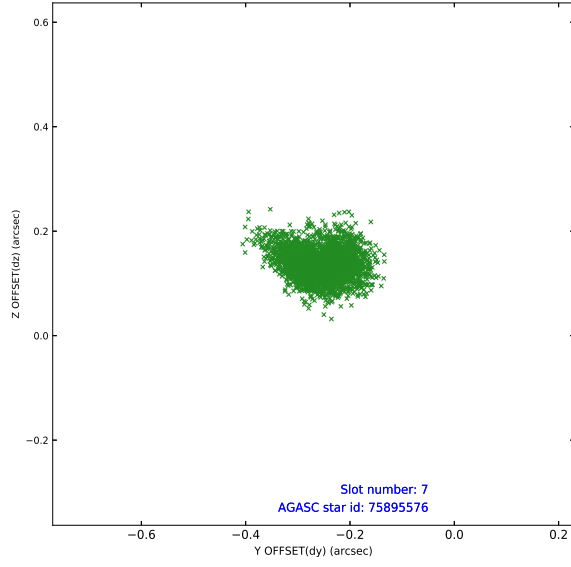


## 2.4.4 Slot 6



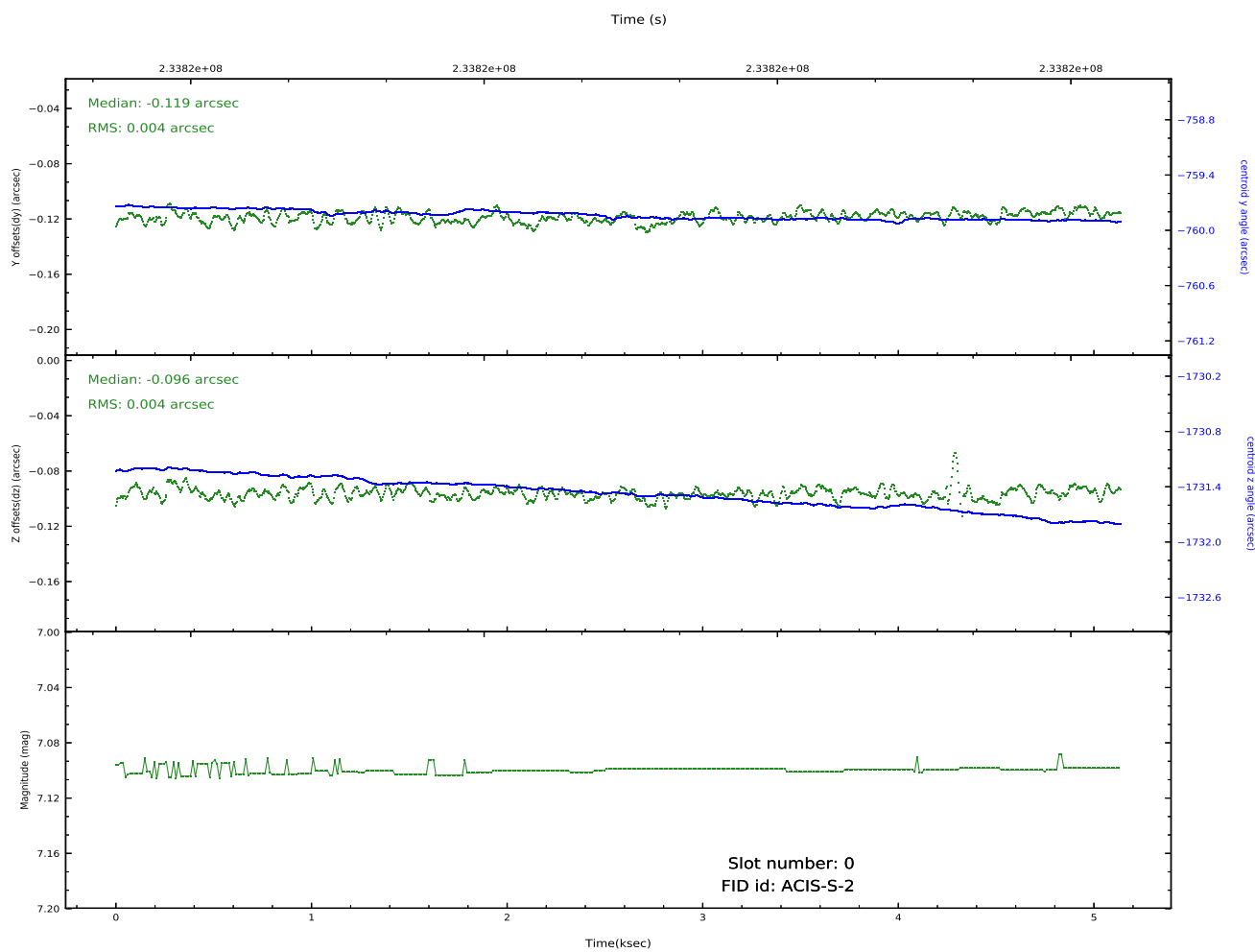
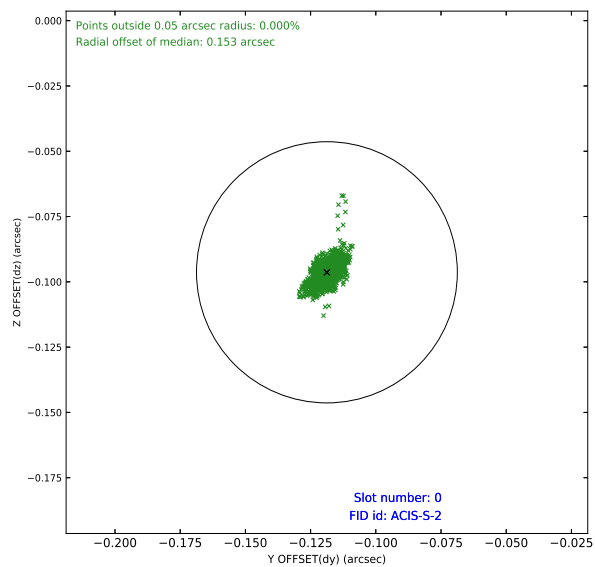
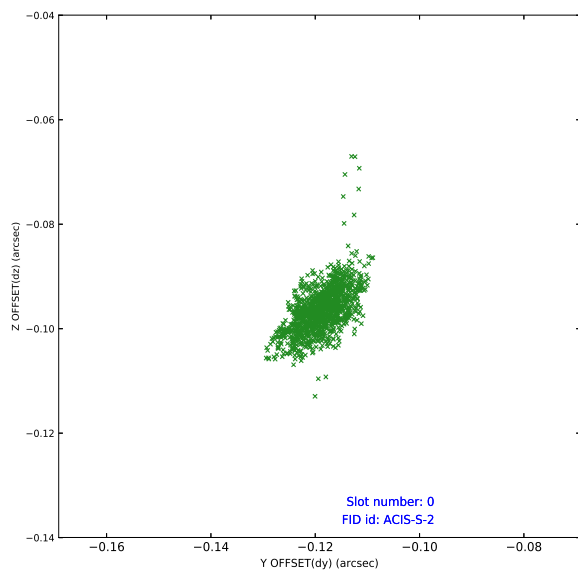


## 2.4.5 Slot 7

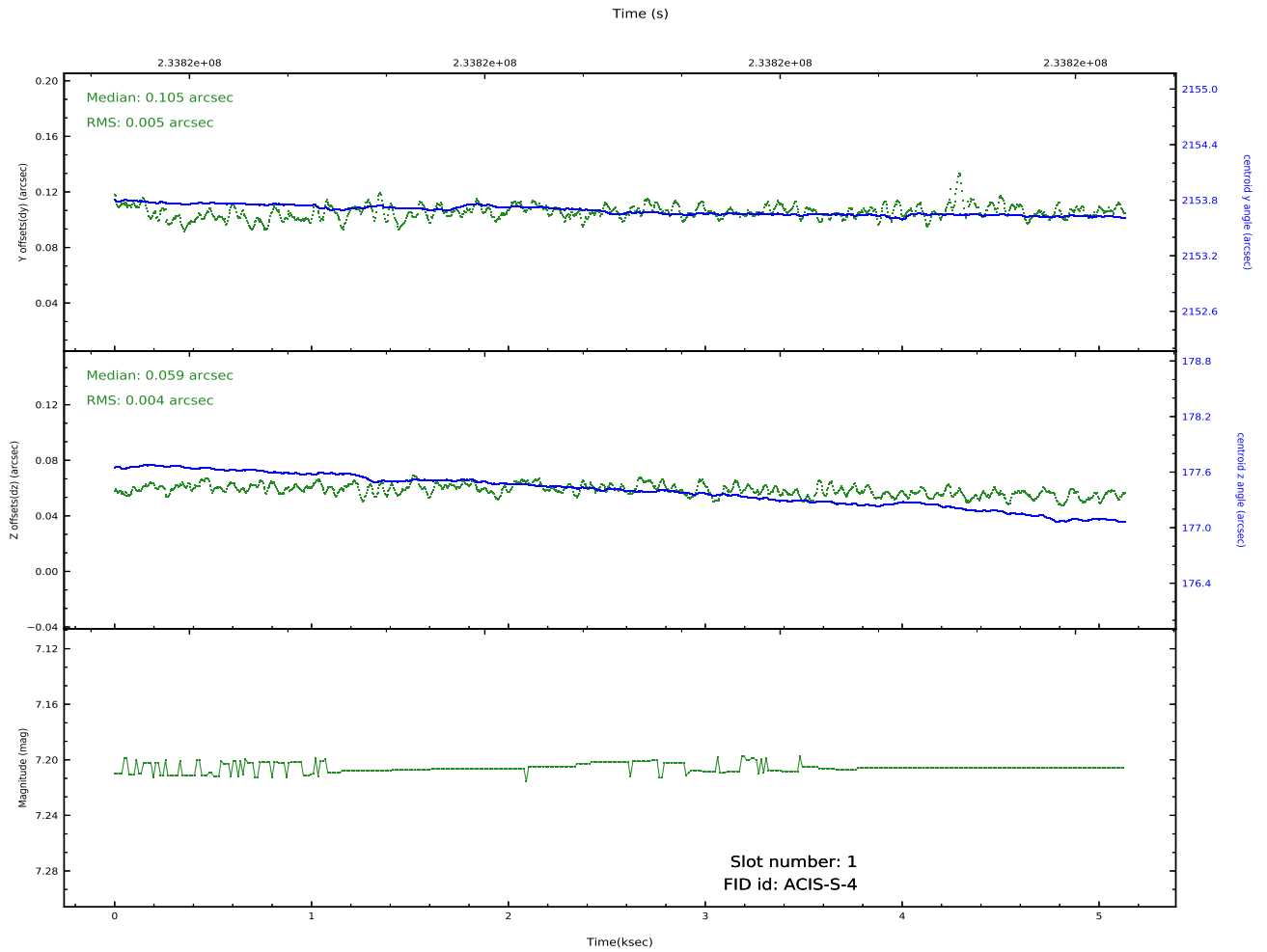
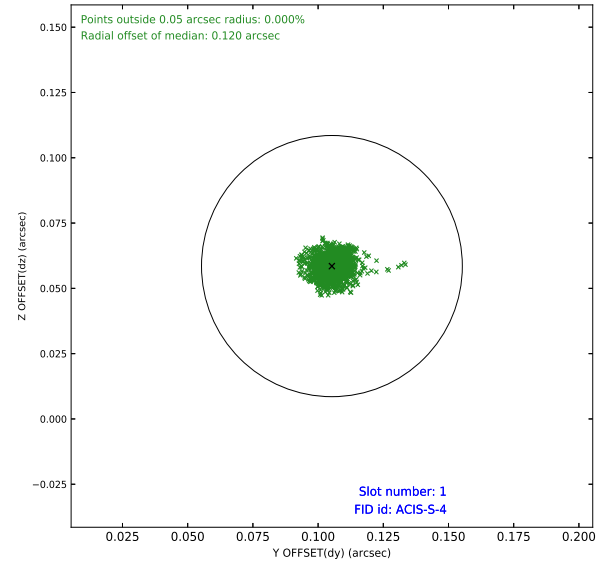
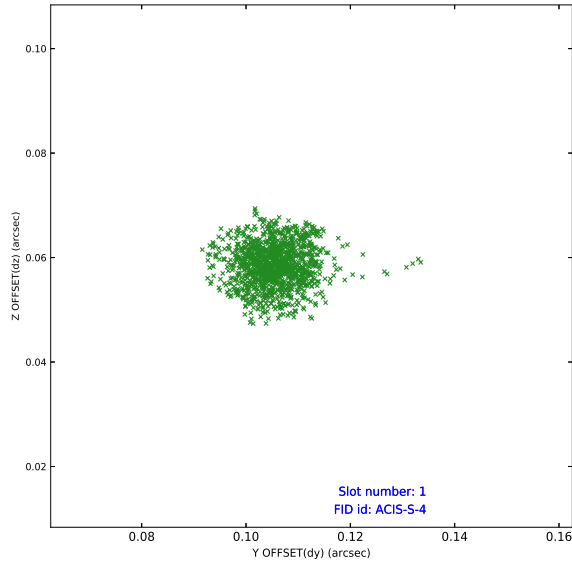


## 2.5 FID Slots

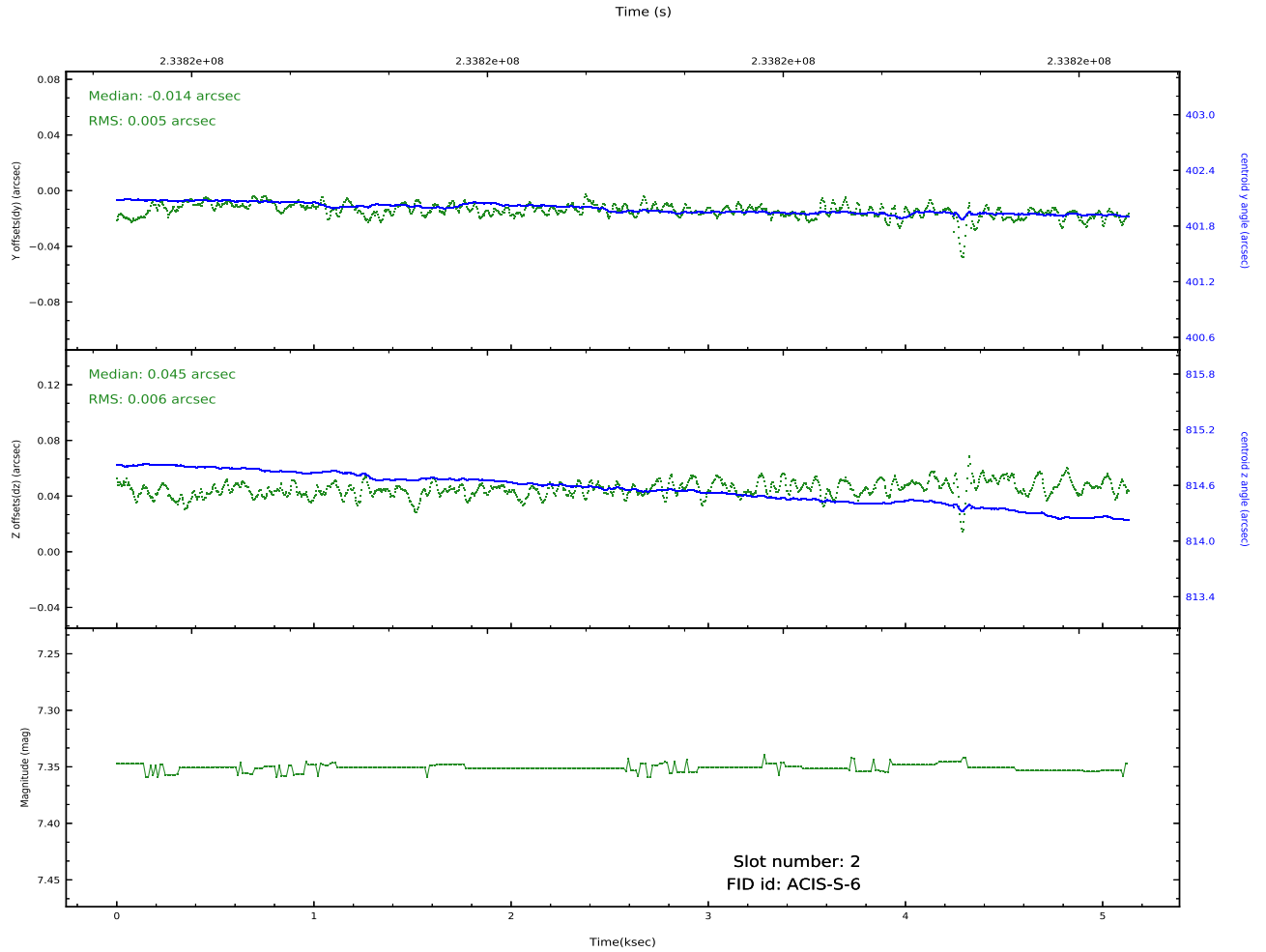
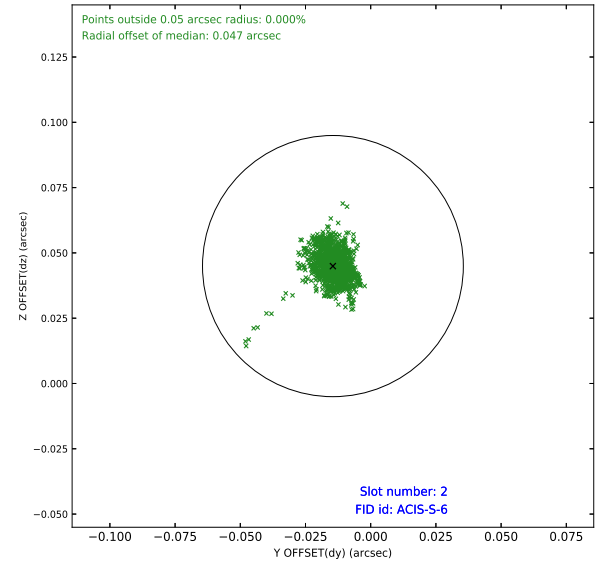
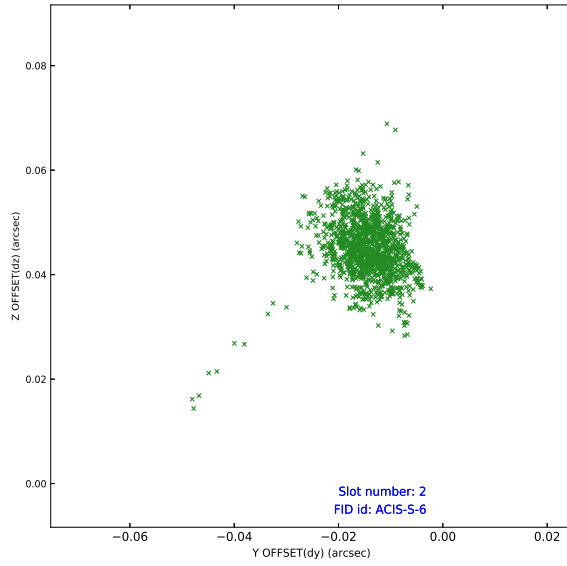
### 2.5.1 Slot 0



## 2.5.2 Slot 1



## 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8536

## A.2 Comments

Joint Proposal: NRAO