

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4898 - L2 Version 4  
Chandra X-Ray Center

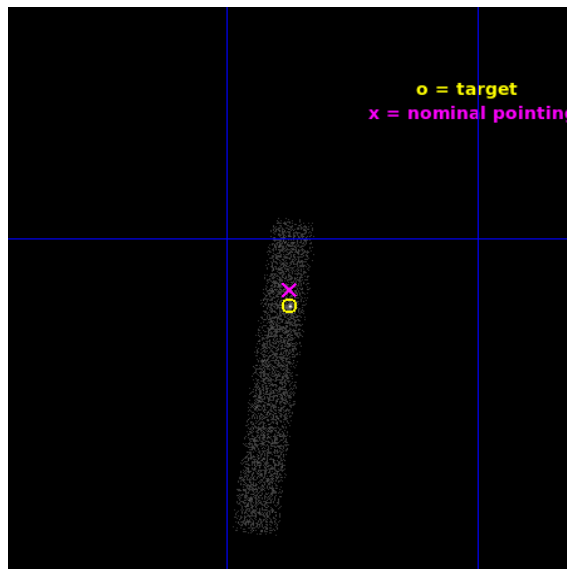
L2 Processing Date : Sep 26 2020

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# 1 Front

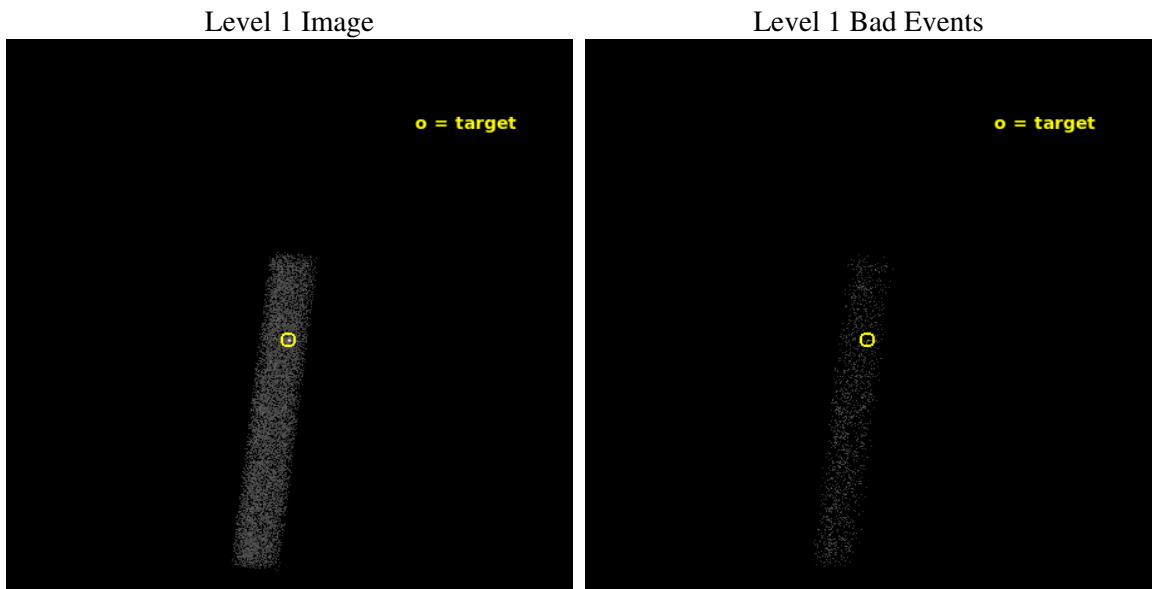
seq_num	700980	Sequence number
obs_id	4898	Observation id
title	Continuing a Flux-limited Survey for X-ray Emission from Radio Jets	&#160
observer	Herman Marshall	Principal investigator
object	[HB89] 0234+285	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.468333	Observer's specified target RA [deg]
dec_targ	28.8025	Observer's specified target Dec [deg]
ra_nom	39.468305568894	Nominal RA [deg]
dec_nom	28.809958718181	Nominal Dec [deg]
roll_nom	96.906273078259	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9959.6001483798	Sum of GTIs [s]
livetime	9032.83162378	Livetime [s]
ontime7	9959.6001483798	Sum of GTIs [s]
l2events	7868	Number of level 2 events



## 2 OBI

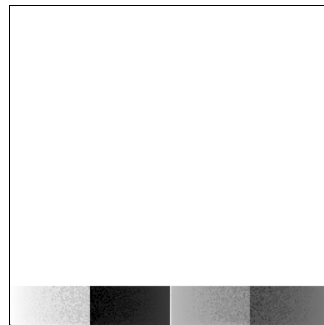
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	9805.405000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9959.6001483798	Sum of GTIs [s]
caldbver	4.9.2	&#160	ontime7	9959.6001483798	Sum of GTIs [s]
date	2020-09-26T20:12:32	Date and time of file creation	l1events	16377	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

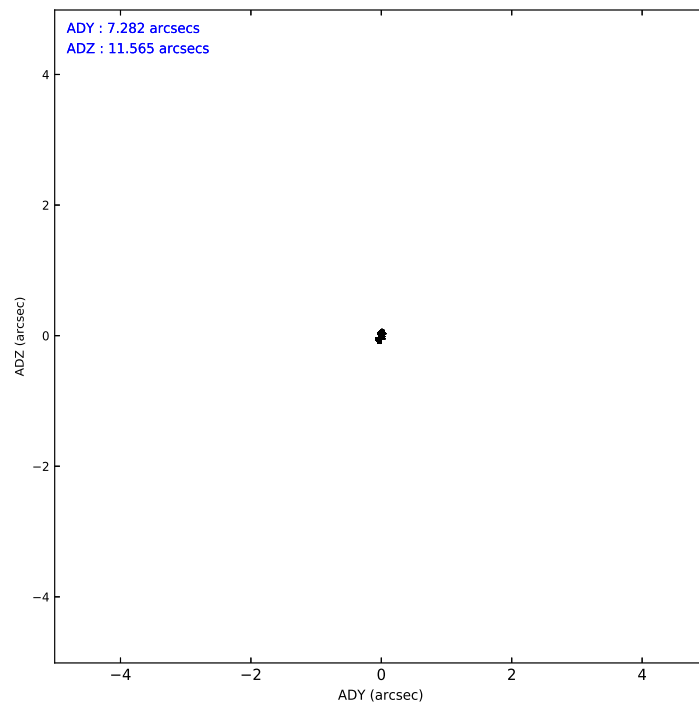
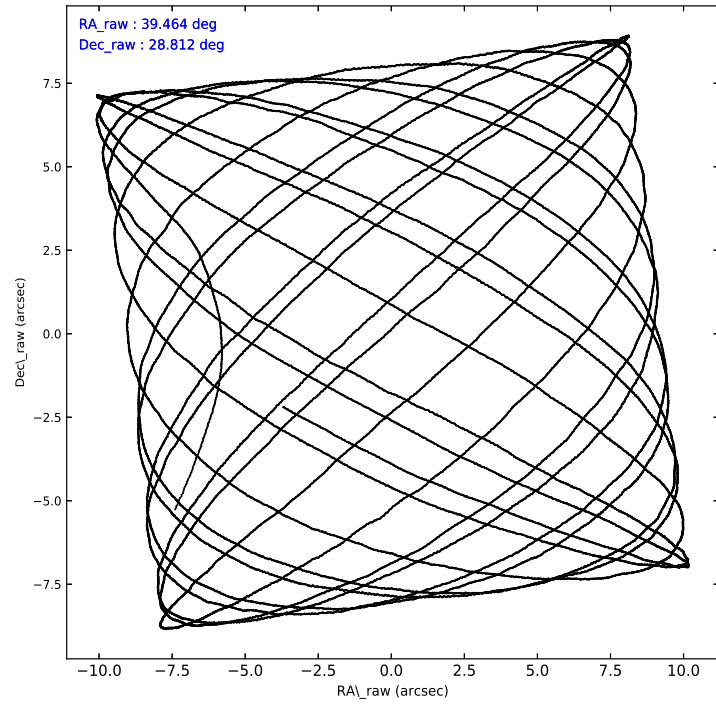
	<b>ccd 7</b>
level 1 events	16377
rejected events	8031
rejected %	49%

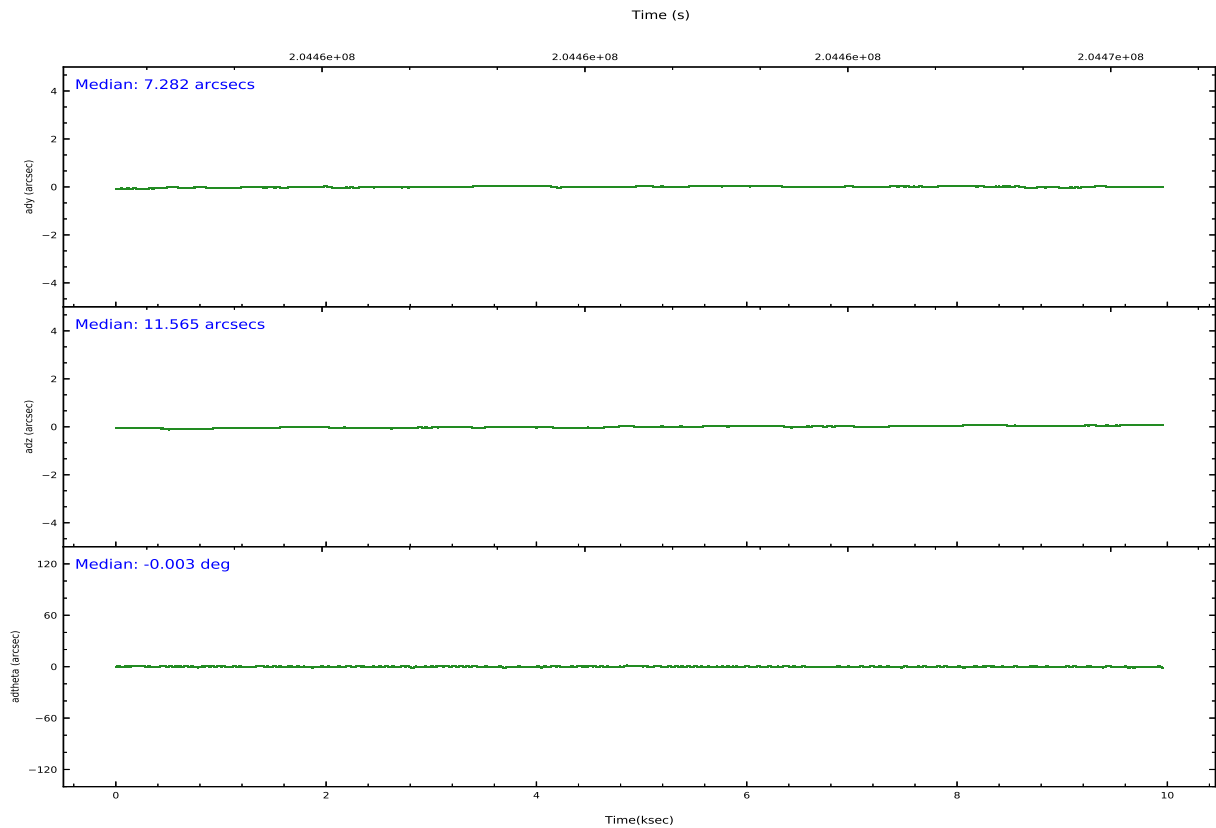
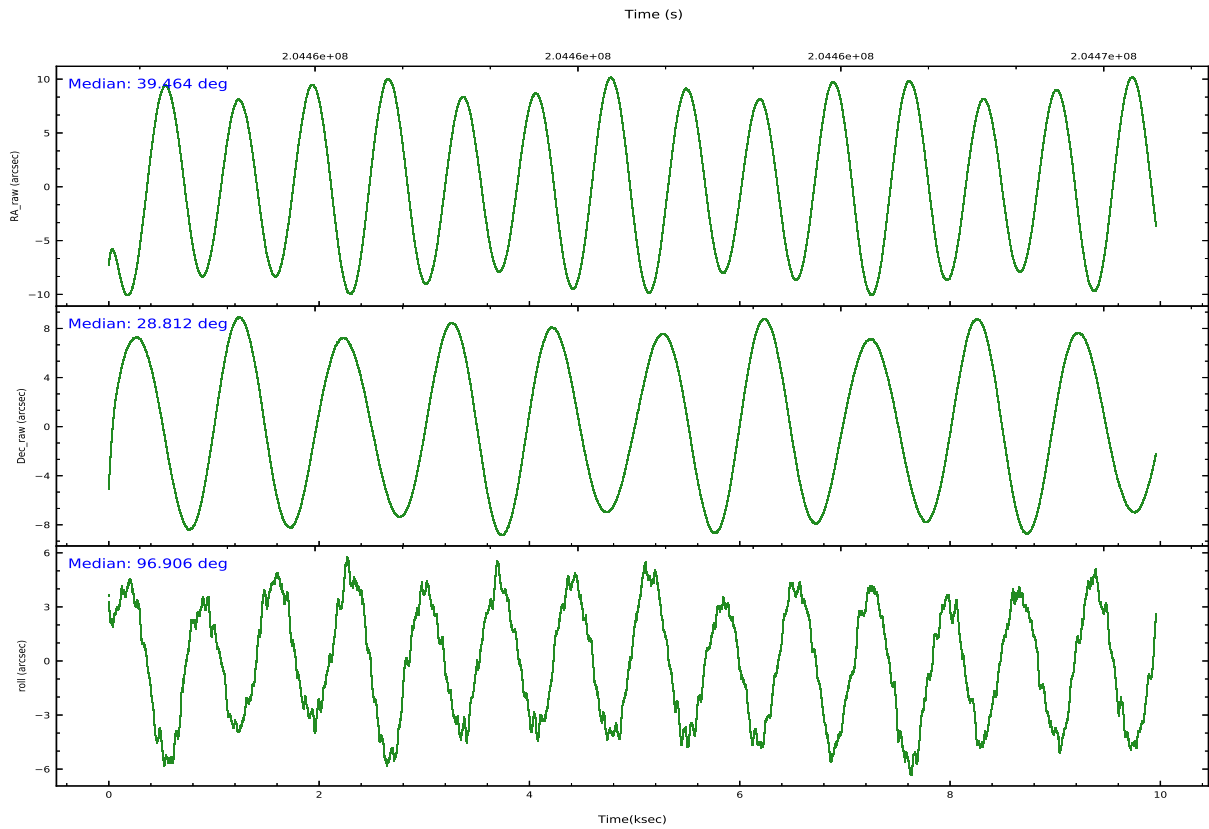
	<b>ccd 7</b>
grade 0 events	1242
	7%
grade 1 events	20
	0%
grade 2 events	1850
	11%
grade 3 events	1098
	6%
grade 4 events	1113
	6%
grade 5 events	1257
	7%
grade 6 events	3608
	22%
grade 7 events	6189
	37%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	39.483220	39.468305568894	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	28.790116	28.809958718181	Subarray start row	1	1
[deg] Pointing Roll	96.741630	96.90627307825901	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	-178.632523	-178.6395878605364			
[mm] SIM translation stage offset	-11.5	-11.49293472247138			
[s] Observation start time (MET)	204458193.184000	204457109.90118			
Observation start date	2004-06-24T09:55:29	2004-06-24T09:38:29			
[s] Observation end time (MET)	204467998.184000	204468208.60168			
Observation end date	2004-06-24T12:38:54	2004-06-24T12:43:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





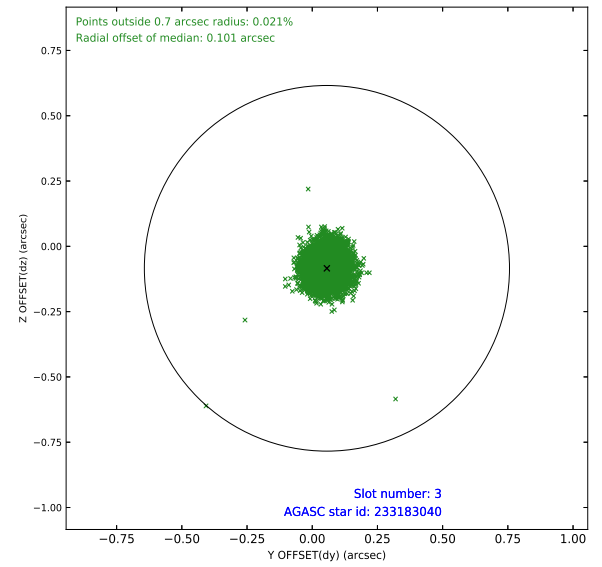
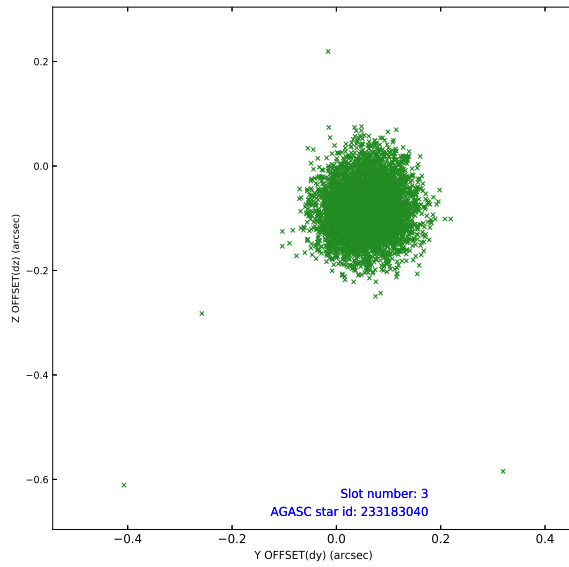
### Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-1	7.18	2430	1.000	0.106	0.078	0.006	0.011	0.000000	0.000000	936.88	-1965
1	FID		ACIS-S-5	7.23	2430	1.000	-0.118	0.119	0.006	0.011	0.000000	0.000000	-1811.96	-67
2	FID		ACIS-S-6	7.42	2430	1.000	-0.010	-0.186	0.007	0.011	0.000000	0.000000	401.85	576
3	GUIDE	used	233183040	8.84	4859	1.000	0.056	-0.084	0.072	0.114	39.451381	28.335117	-1614.68	292
4	GUIDE	used	233186296	8.48	4860	1.000	-0.100	-0.087	0.058	0.098	38.928418	29.221701	1751.23	1548
5	GUIDE	used	233187392	8.98	4795	1.000	0.044	0.080	0.061	0.100	39.589876	28.682211	-424.66	-288
6	GUIDE	used	233188480	8.64	4860	1.000	0.002	-0.044	0.071	0.113	39.072560	28.563518	-655.47	1384
7	GUIDE	used	233317856	9.45	4856	1.000	-0.001	0.141	0.090	0.148	40.058244	28.587465	-933.83	-1719

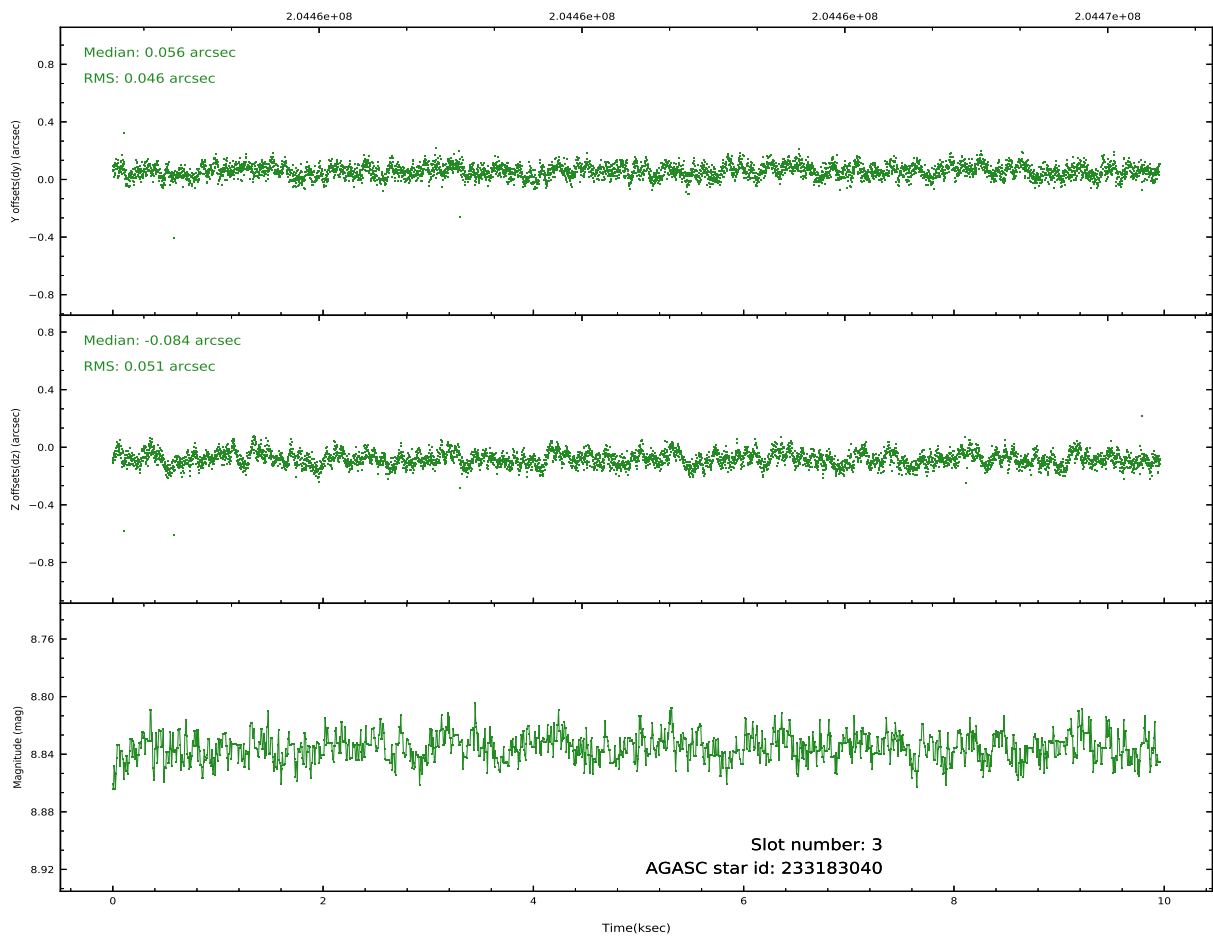
∞

## 2.4 Star Slots

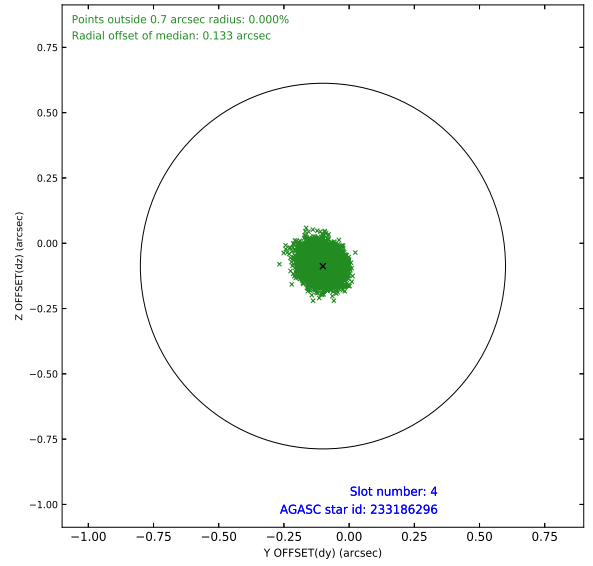
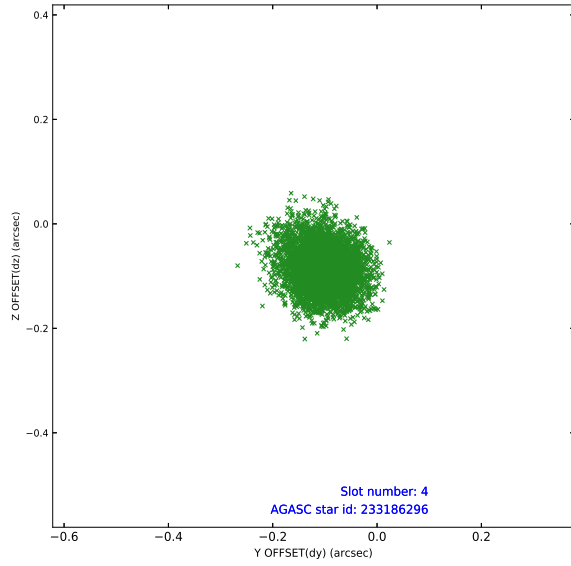
### 2.4.1 Slot 3



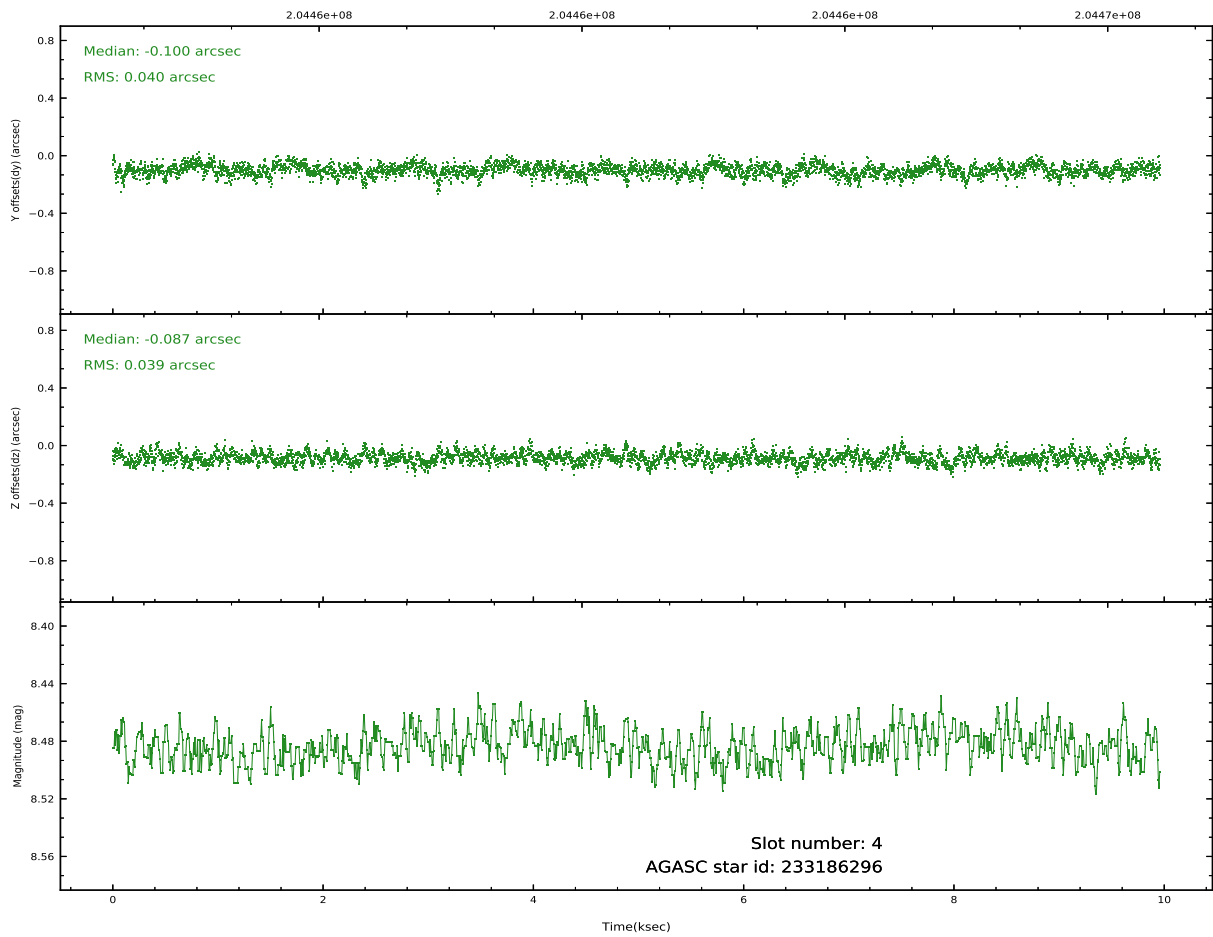
Time (s)



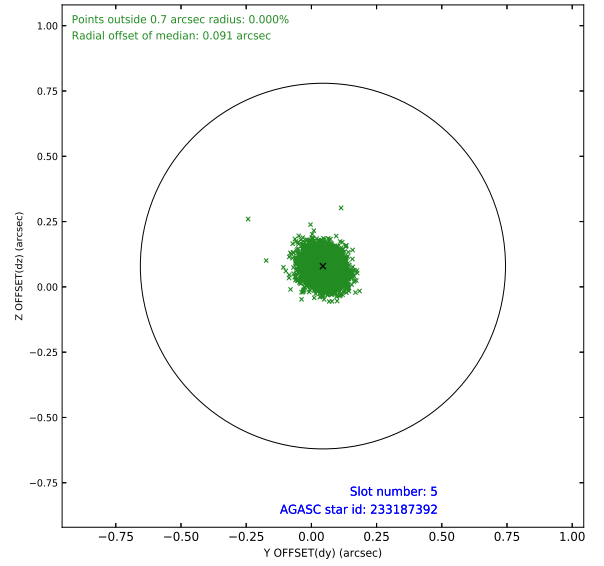
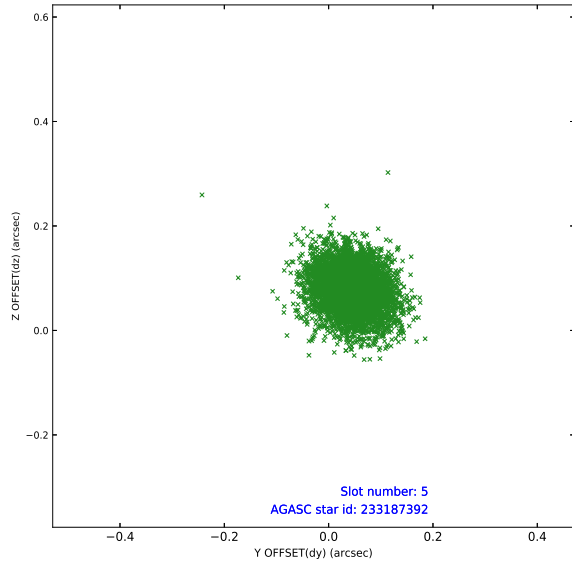
## 2.4.2 Slot 4



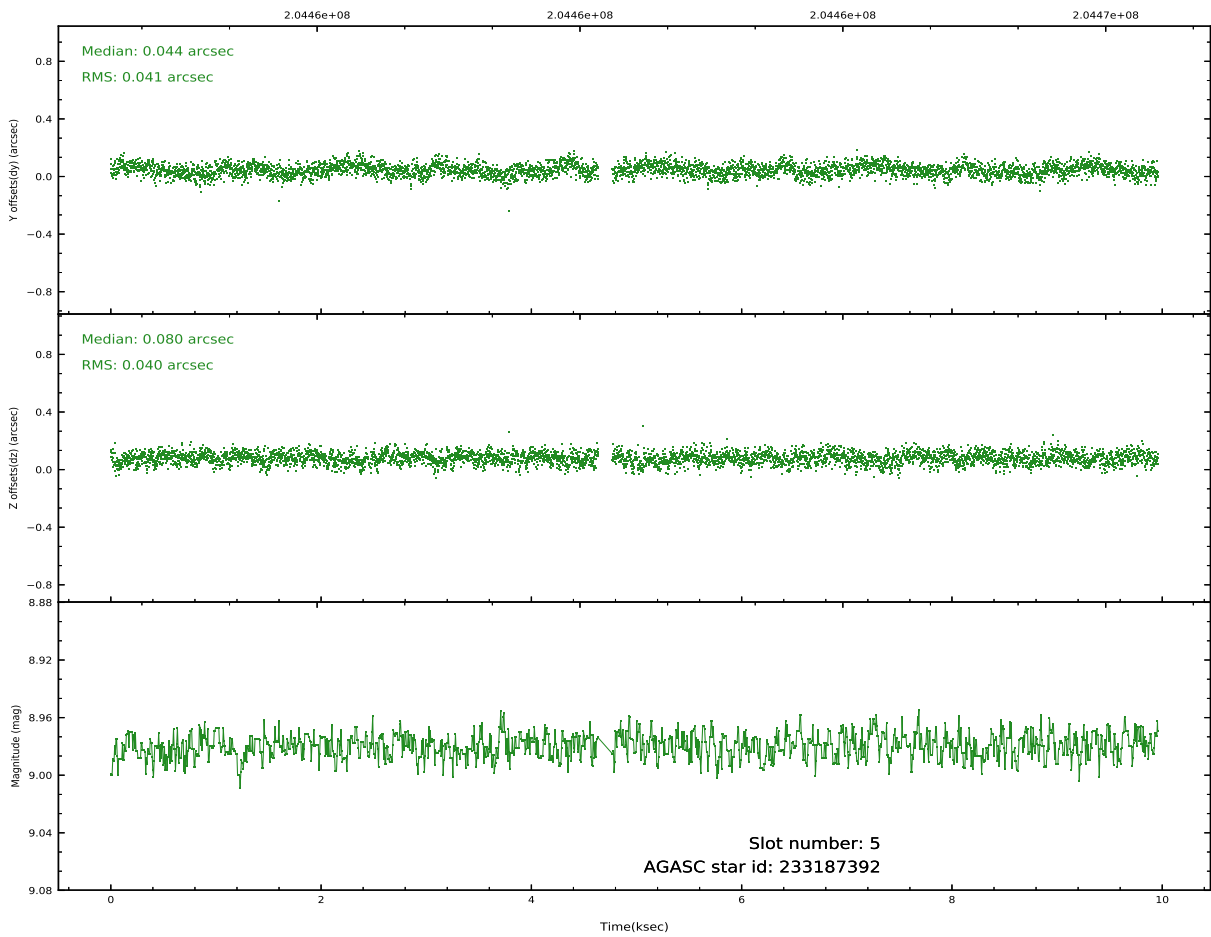
Time (s)



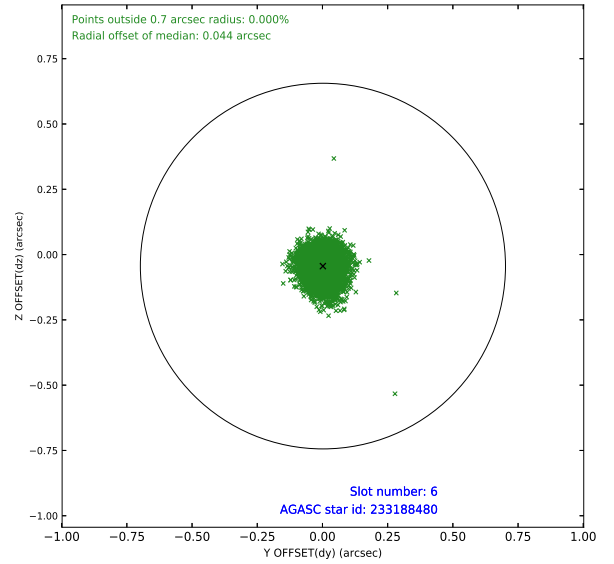
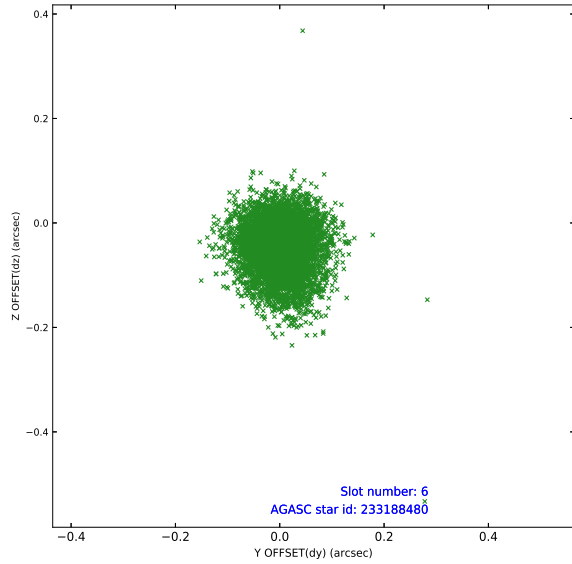
### 2.4.3 Slot 5



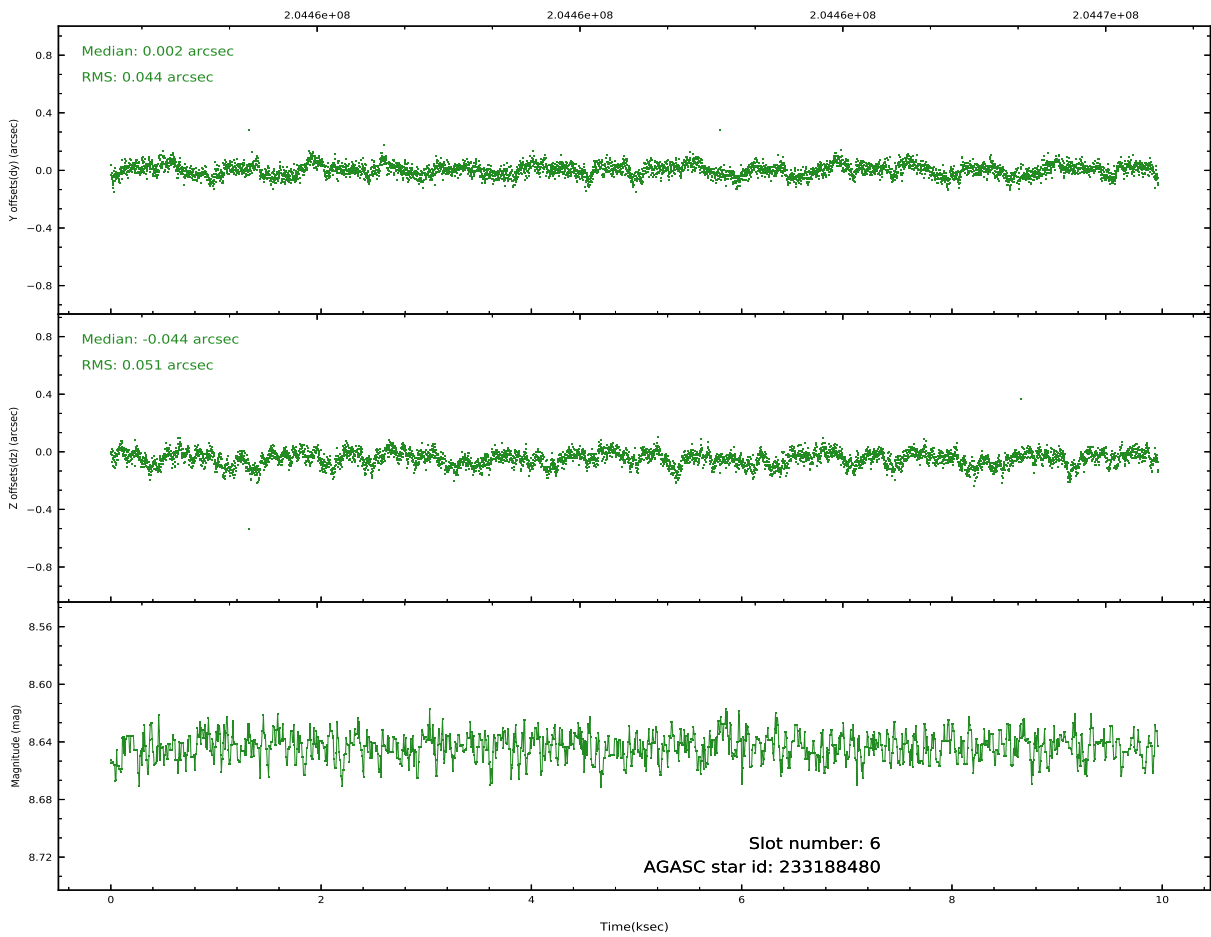
Time (s)



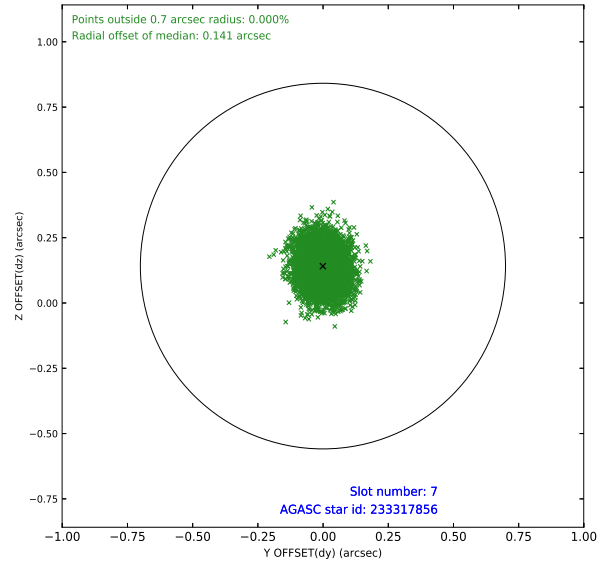
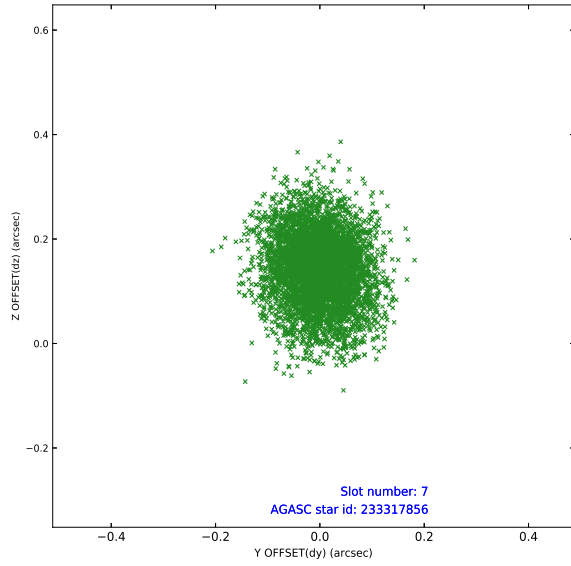
## 2.4.4 Slot 6



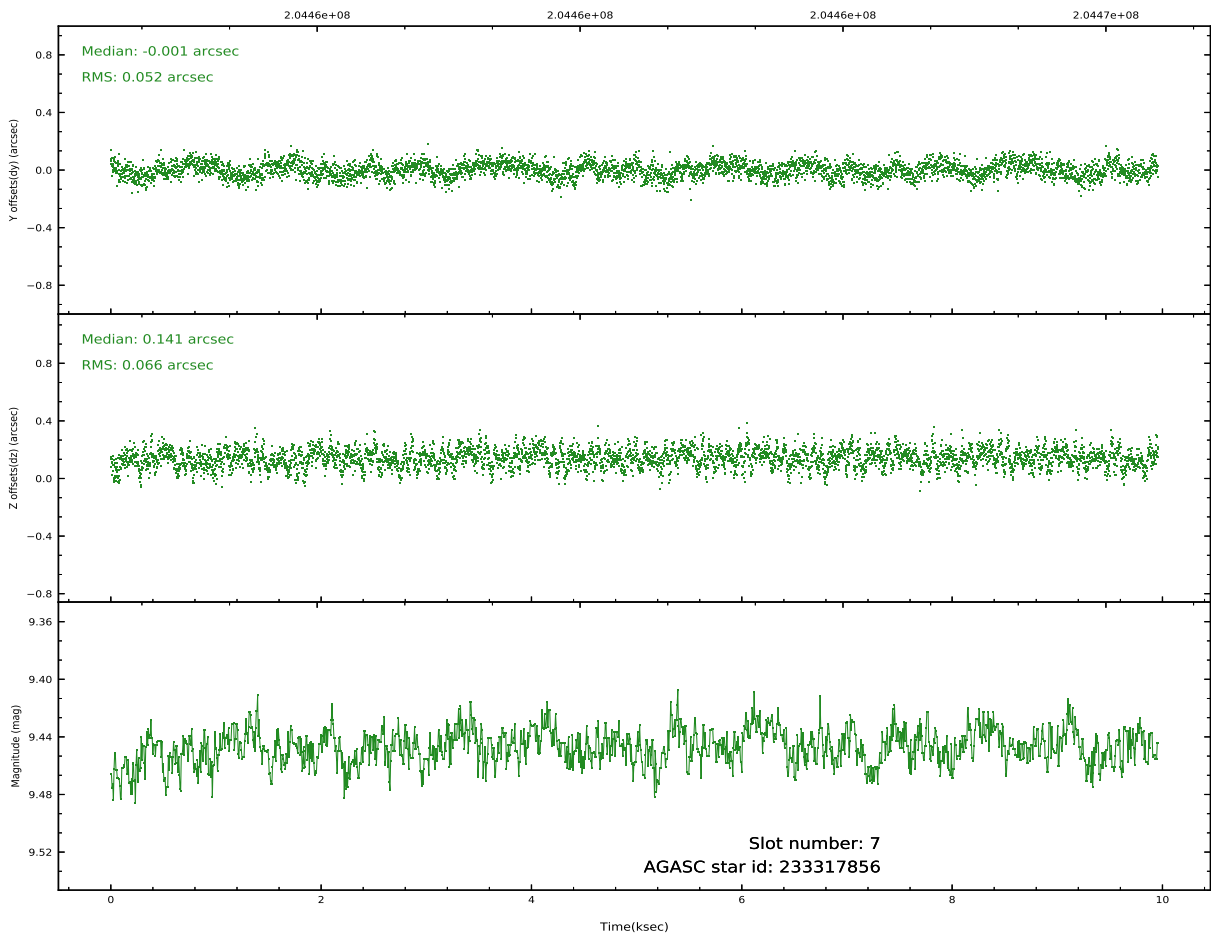
Time (s)



## 2.4.5 Slot 7

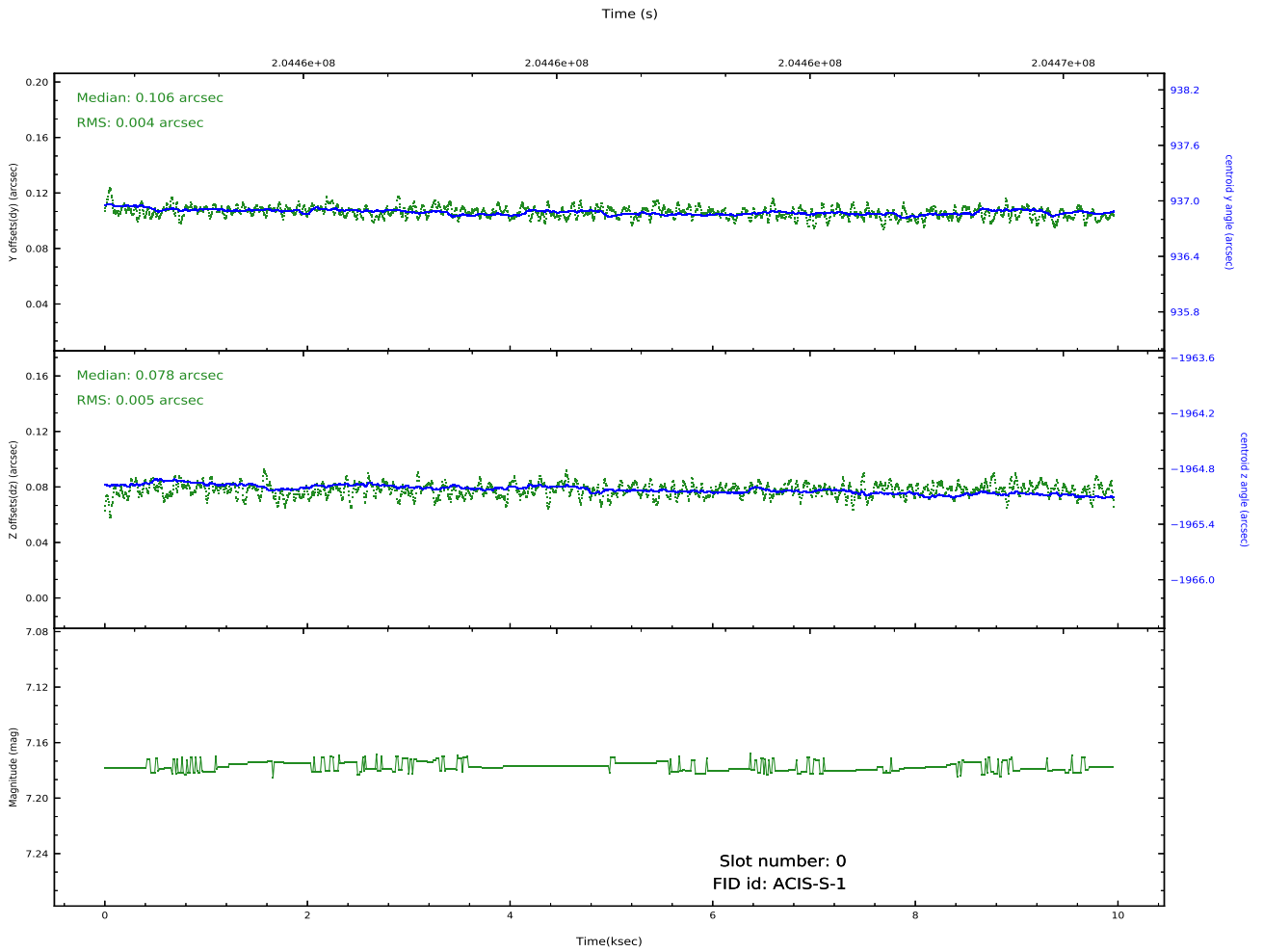
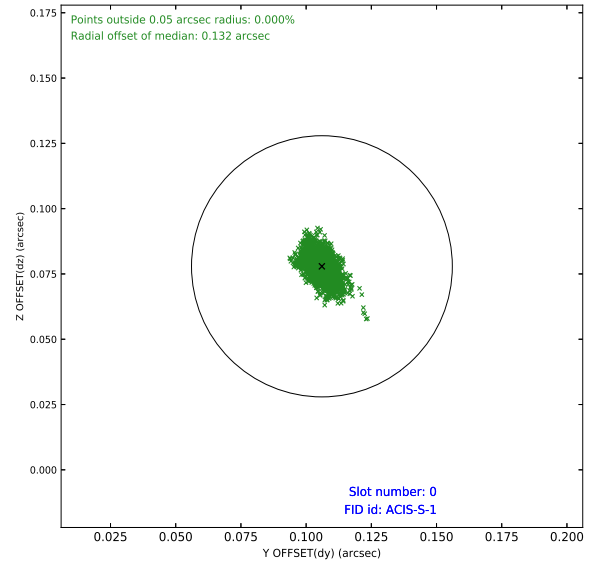
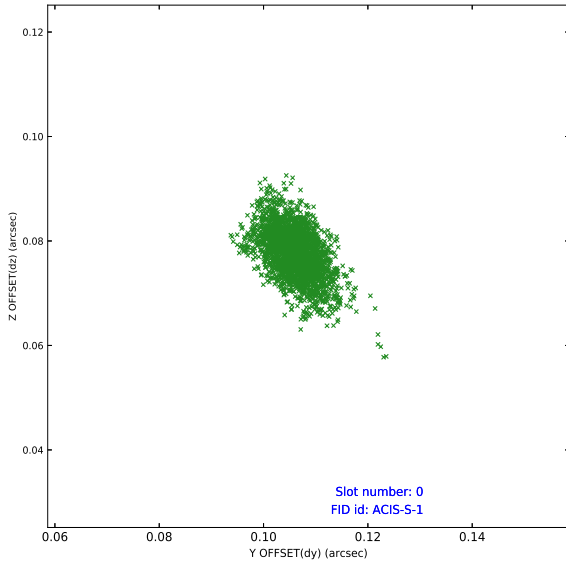


Time (s)

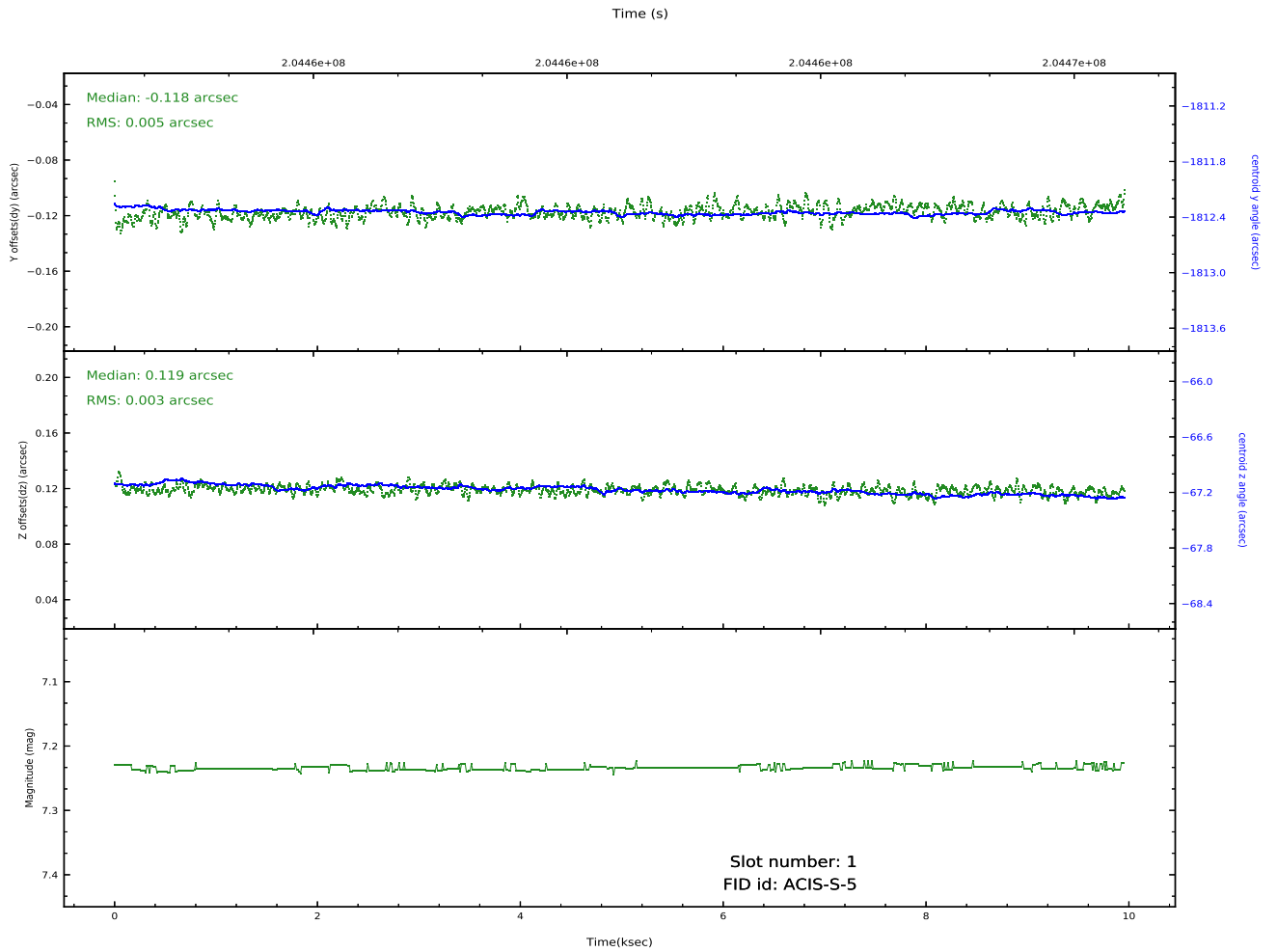
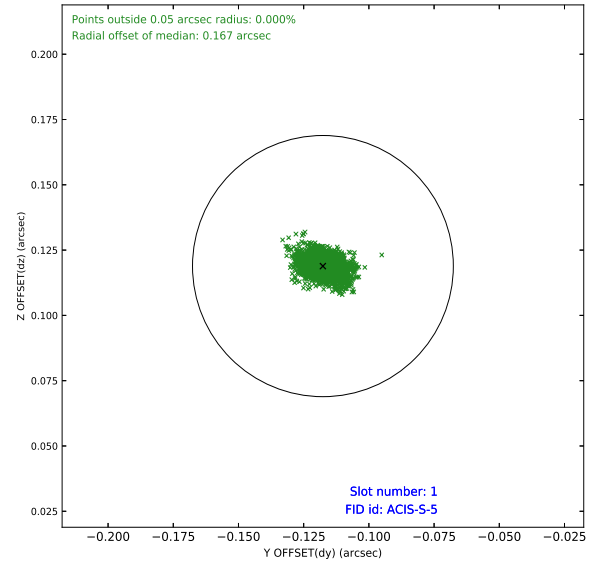
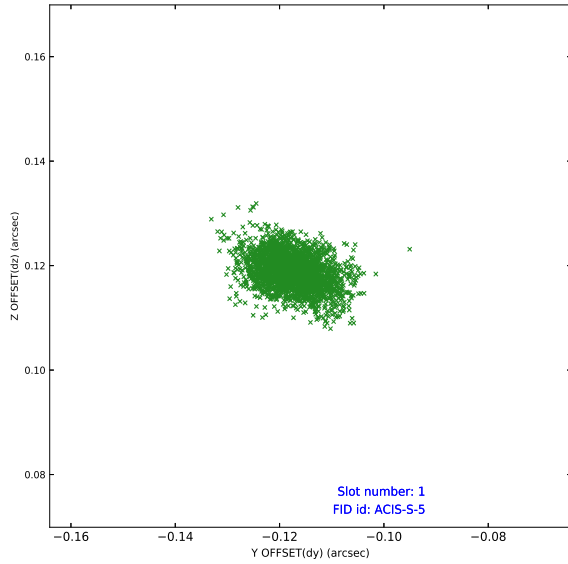


## 2.5 FID Slots

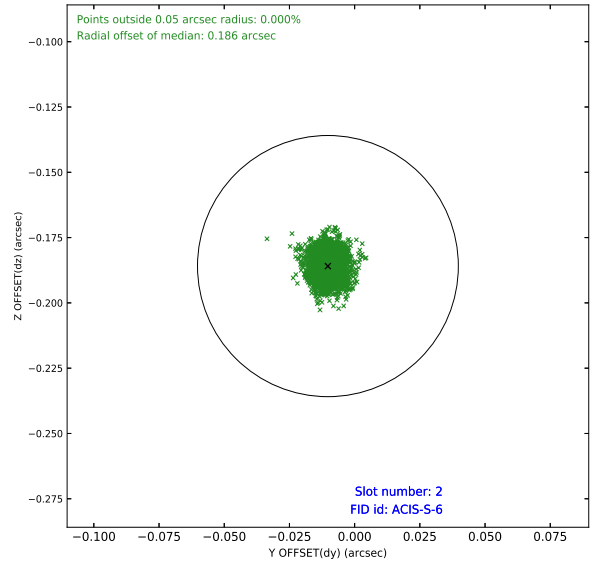
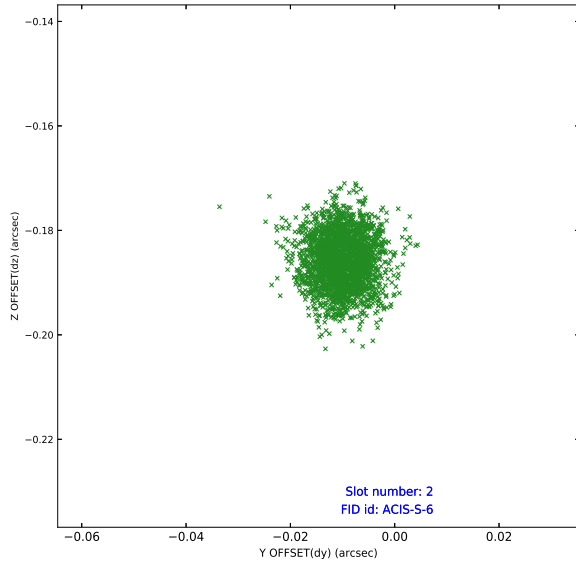
### 2.5.1 Slot 0



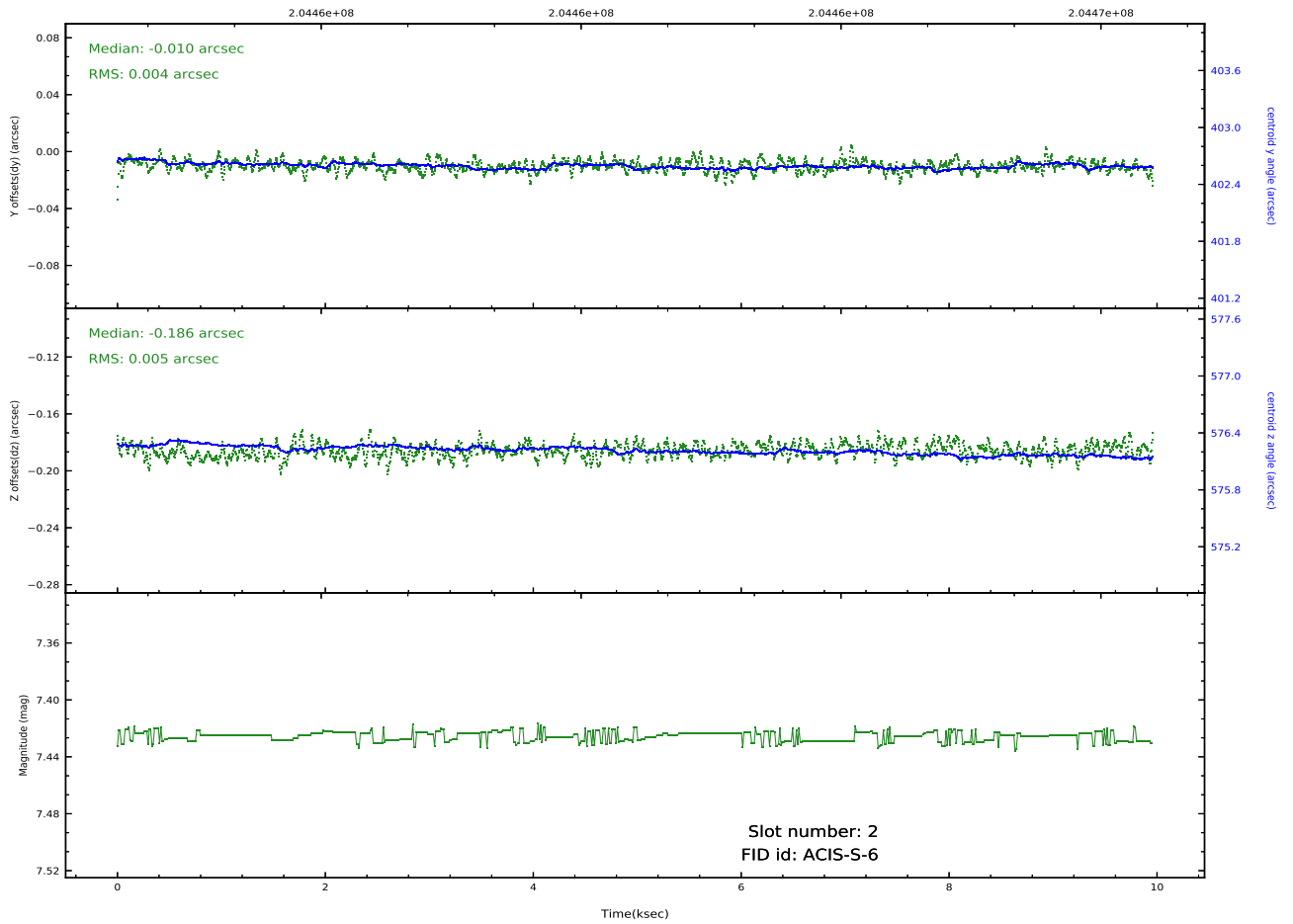
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.959

## A.2 Comments