

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6266 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 8 2020

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# 1 Front

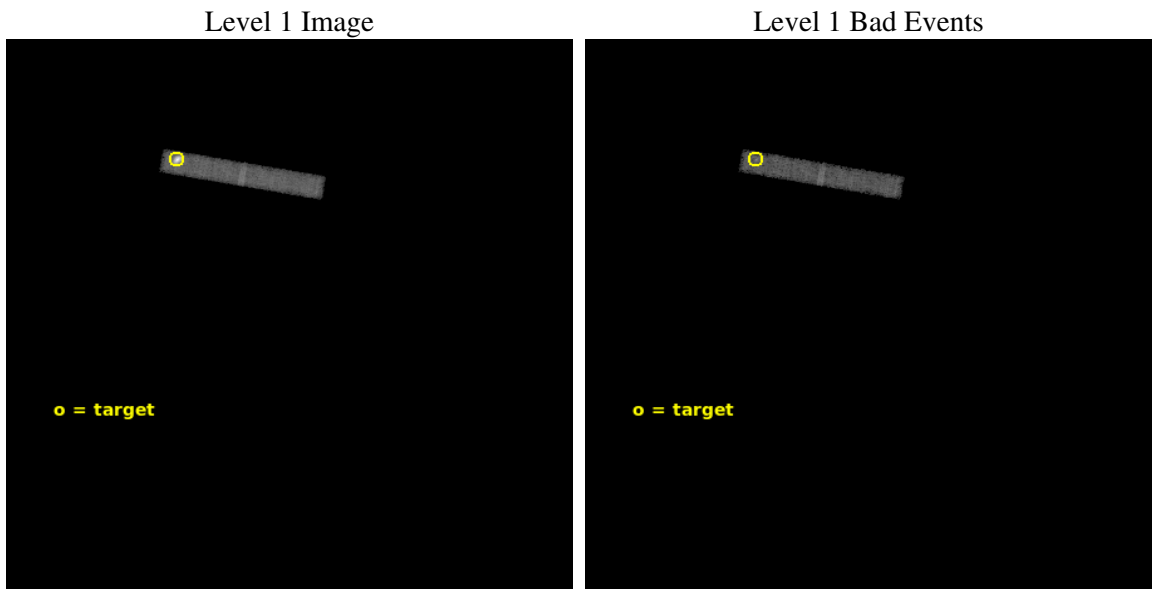
seq_num	300163	Sequence number
obs_id	6266	Observation id
title	The lightcurve and spectra of the cataclysmic variable EI UMa	Prop
observer	Dr. Peter Predehl	Principal investigator
object	EI UMa	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.591667	Observer's specified target RA [deg]
dec_targ	48.633806	Observer's specified target Dec [deg]
ra_nom	129.44420511093	Nominal RA [deg]
dec_nom	48.484779413522	Nominal Dec [deg]
roll_nom	280.19877133807	Nominal Roll [deg]
revision	4	Processing version of data
ontime	27827.159374595	Sum of GTIs [s]
livetime	25237.764714851	Livetime [s]
ontime3	27827.159374595	Sum of GTIs [s]
l2events	48160	Number of level 2 events



## 2 OBI

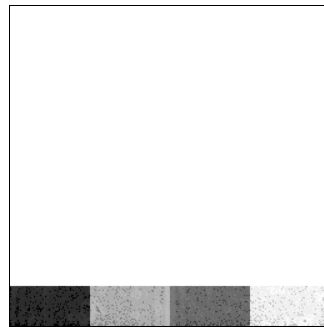
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27657.335000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	27827.159374595	Sum of GTIs [s]
caldbver	4.9.2	&#160	ontime3	27827.159374595	Sum of GTIs [s]
date	2020-10-08T18:53:51	Date and time of file creation	l1events	90963	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

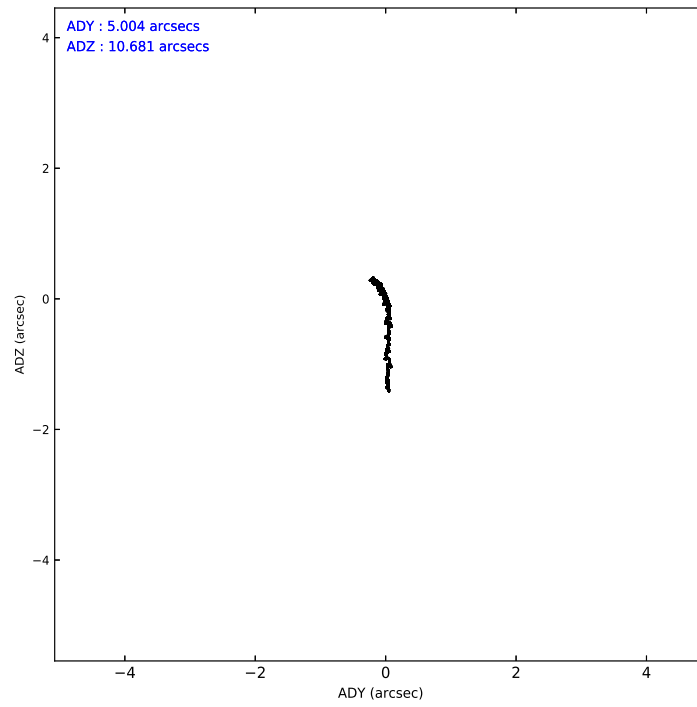
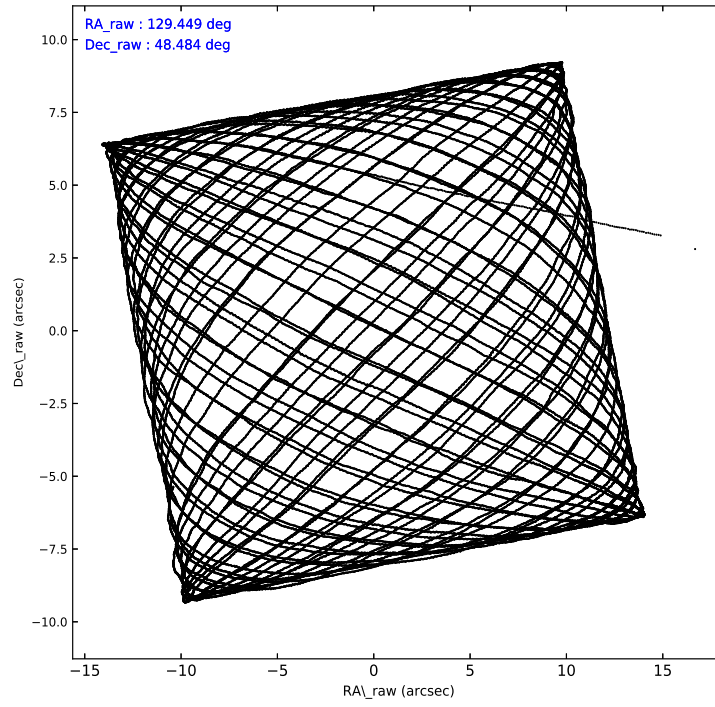
	<b>ccd 3</b>
level 1 events	90963
rejected events	41151
rejected %	45%

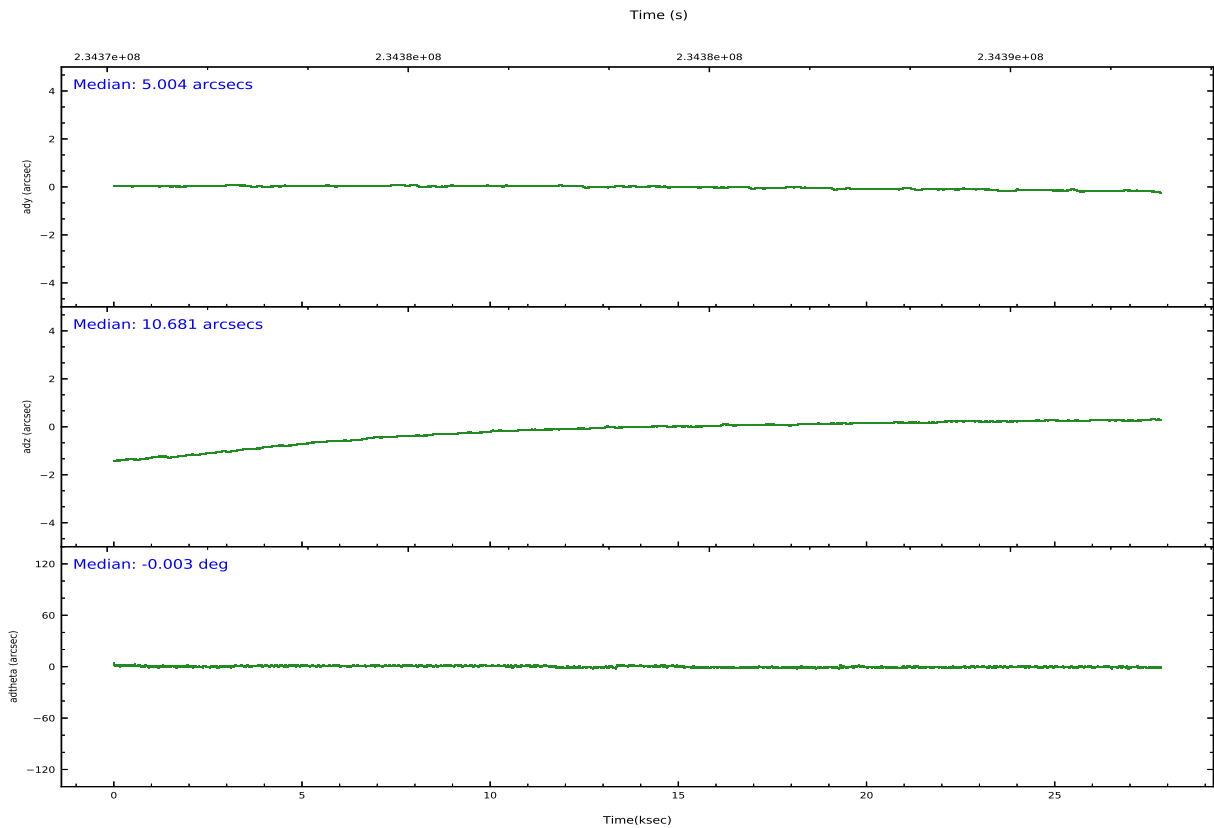
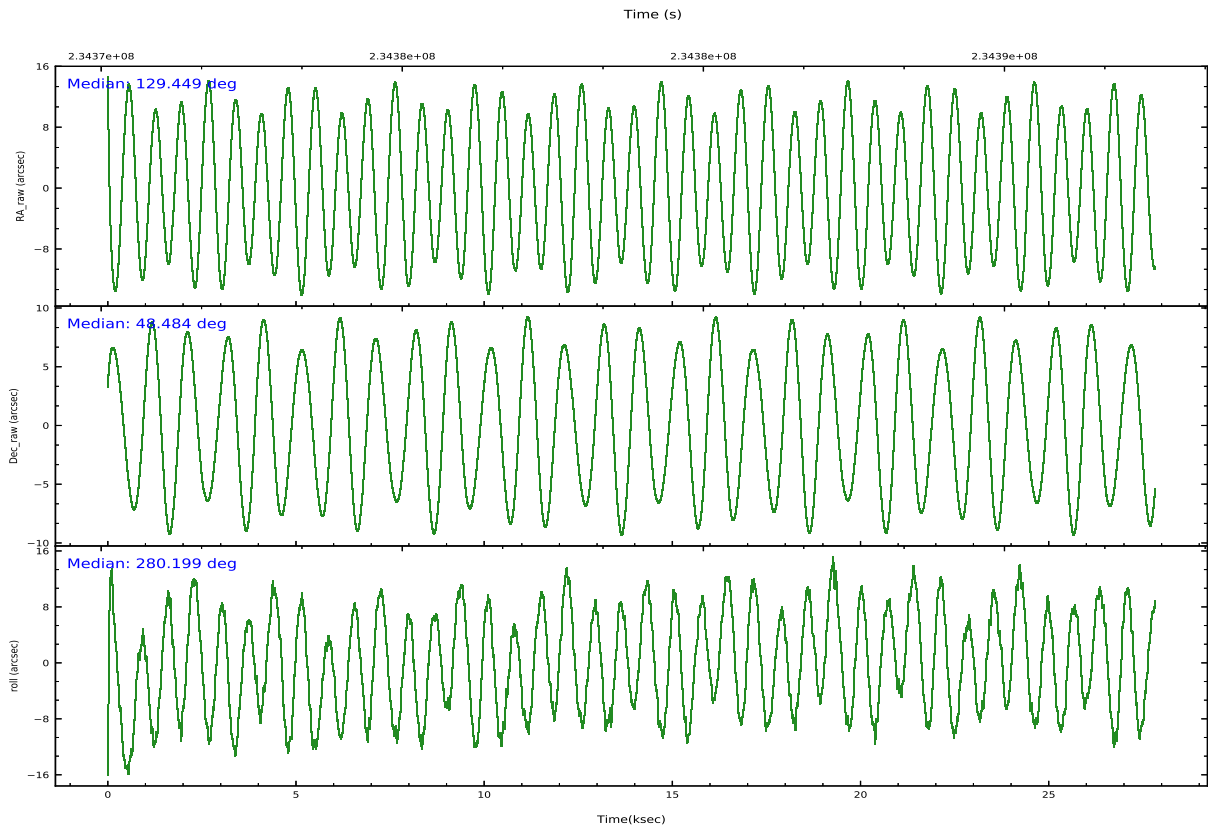
	<b>ccd 3</b>
grade 0 events	35836
	39%
grade 1 events	102
	0%
grade 2 events	6084
	6%
grade 3 events	2724
	2%
grade 4 events	2631
	2%
grade 5 events	1309
	1%
grade 6 events	2906
	3%
grade 7 events	39371
	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3	ACIS-3	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	129.422336	129.44420511093	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	48.504678	48.484779413522	Subarray start row	1	1
[deg] Pointing Roll	280.009896	280.19877133807	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	234368345.184000	234366991.00918			
Observation start date	2005-06-05T14:18:01	2005-06-05T13:56:31			
[s] Observation end time (MET)	234396002.184000	234396241.43552			
Observation end date	2005-06-05T21:58:58	2005-06-05T22:04:01			
Read mode	TIMED	TIMED			

## 2.3 Aspect





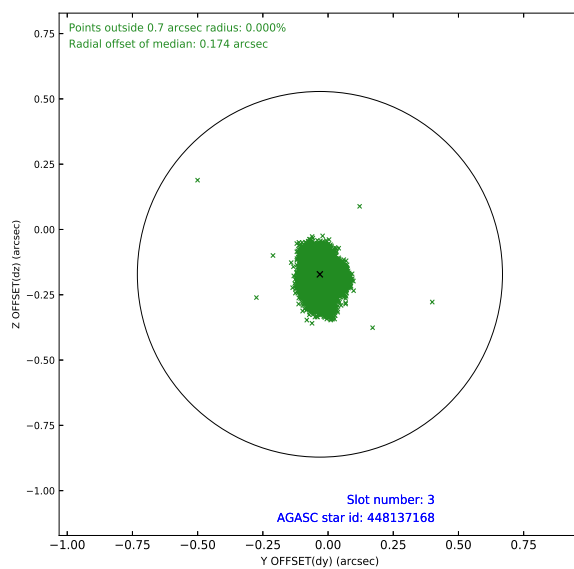
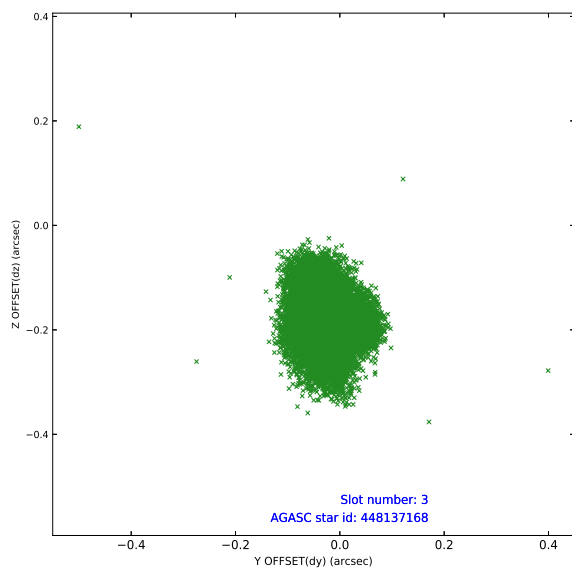
### Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.14	6785	1.000	-0.090	-0.120	0.019	0.036	0.000000	0.000000	-759.49	-840
1	FID		ACIS-I-4	7.16	6786	1.000	0.171	0.087	0.010	0.019	0.000000	0.000000	2154.76	1065
2	FID		ACIS-I-5	7.22	6786	1.000	-0.182	0.102	0.016	0.030	0.000000	0.000000	-1813.32	1063
3	GUIDE	used	448137168	7.15	13574	1.000	-0.031	-0.172	0.071	0.111	128.722836	48.533723	-399.79	-1622
4	GUIDE	used	448139296	9.87	13563	1.000	0.030	0.015	0.121	0.220	129.077095	48.192176	962.51	-1010
5	GUIDE	used	448142144	8.42	13575	1.000	-0.009	0.029	0.062	0.105	129.164615	48.332904	501.14	-714
6	GUIDE	used	448145968	9.89	13559	1.000	0.104	0.106	0.132	0.220	130.277247	48.257599	1221.71	1866
7	GUIDE	used	448145880	9.67	13473	1.000	-0.094	0.019	0.096	0.157	129.329974	49.152000	-2332.40	191

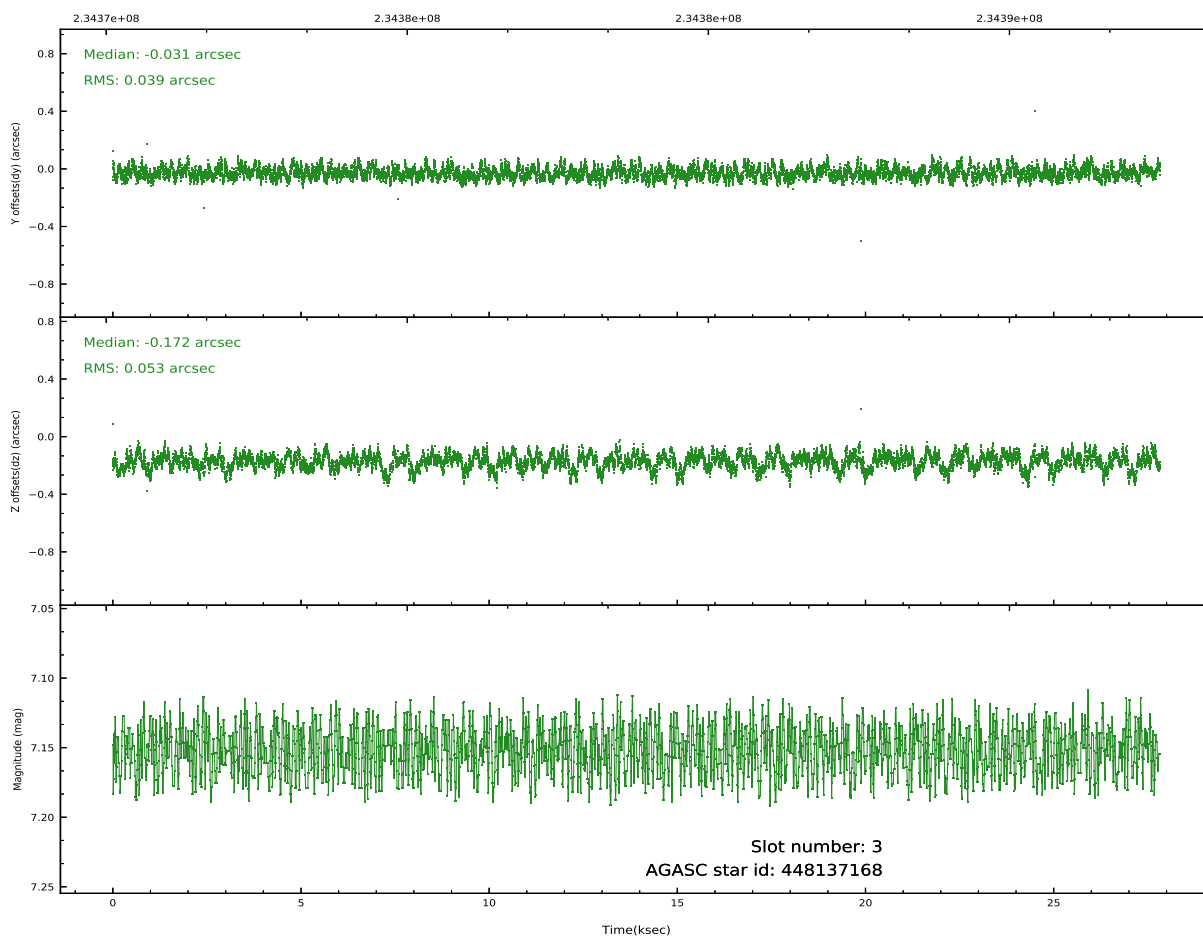
∞

## 2.4 Star Slots

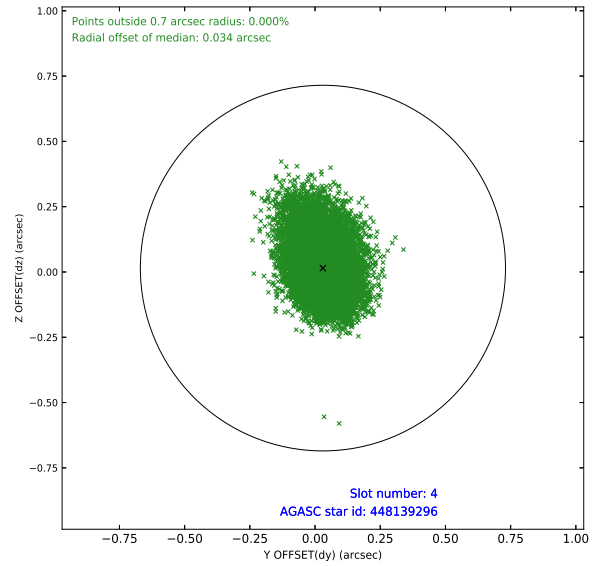
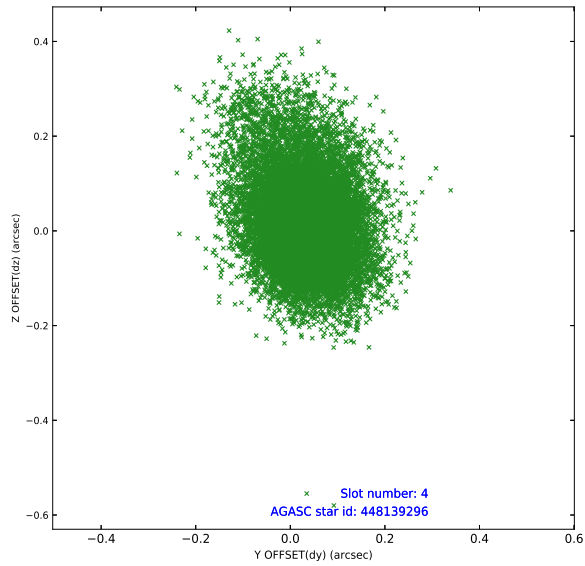
### 2.4.1 Slot 3



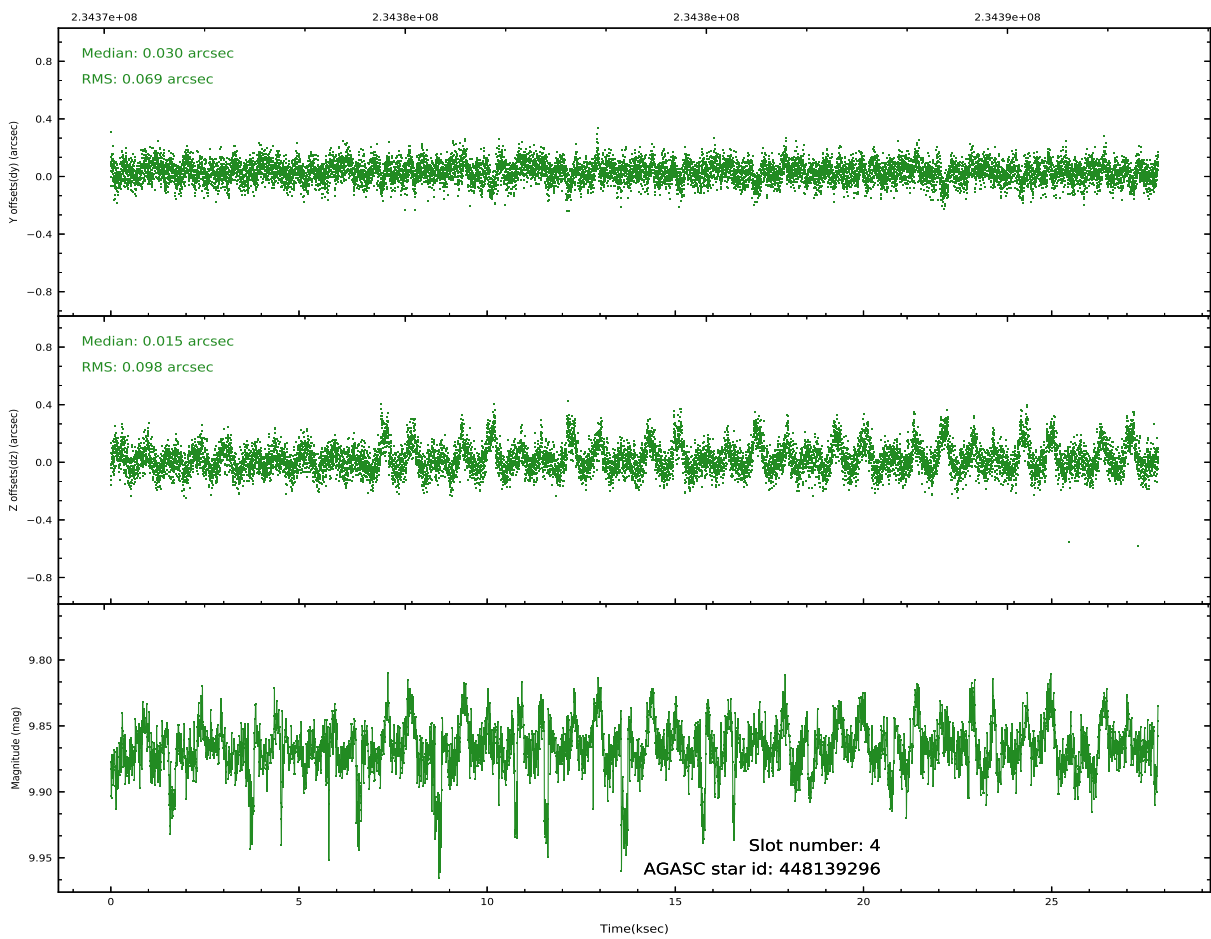
Time (s)



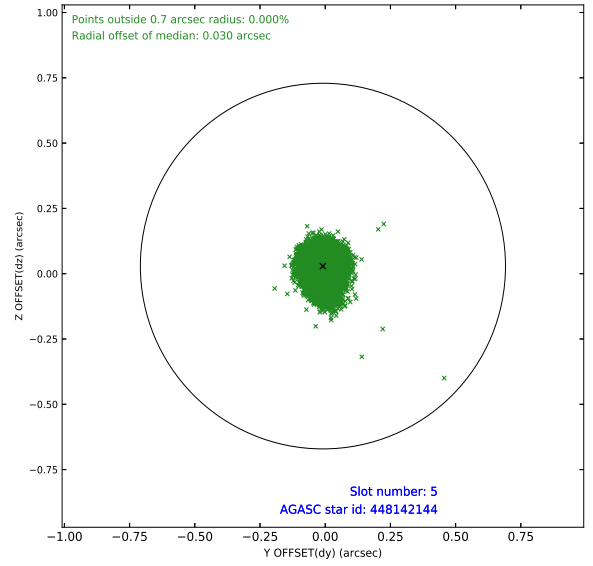
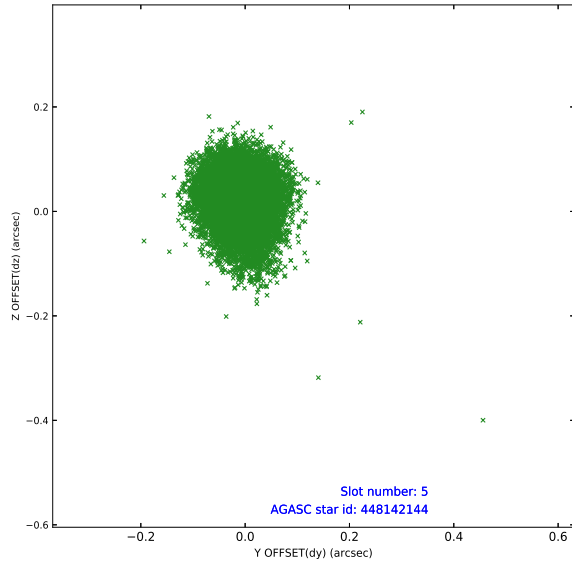
## 2.4.2 Slot 4



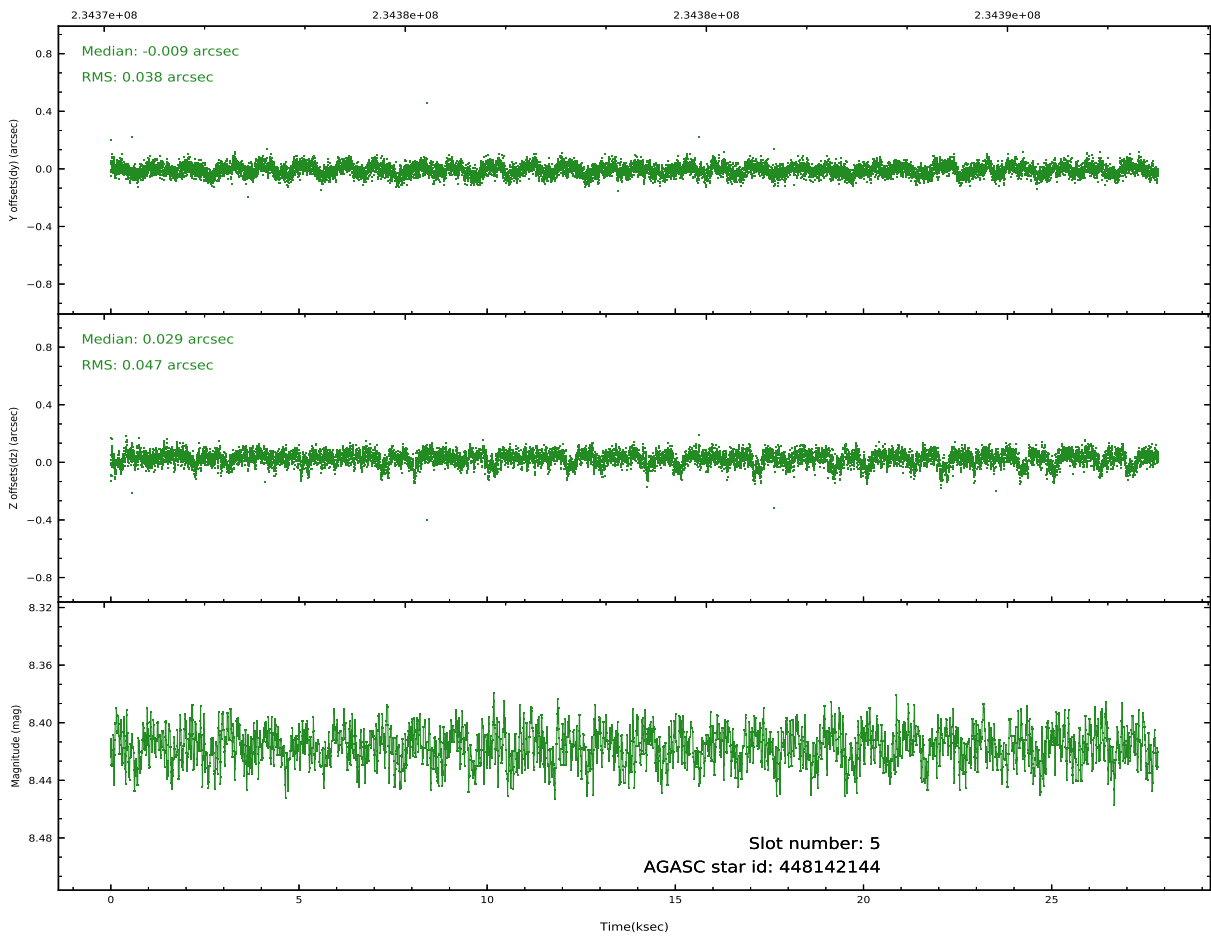
Time (s)



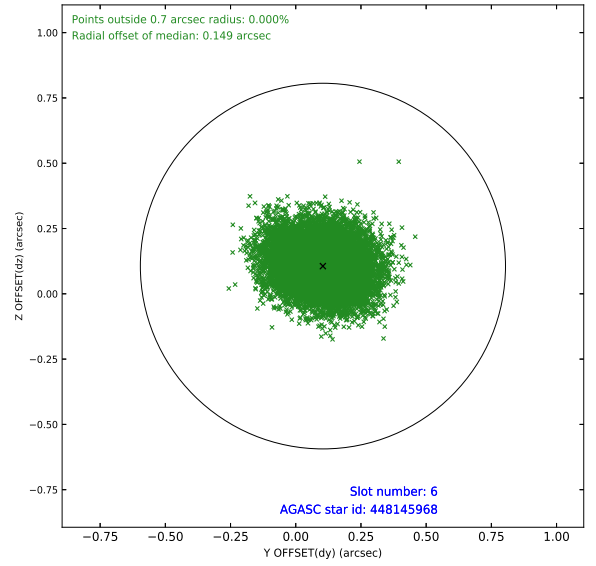
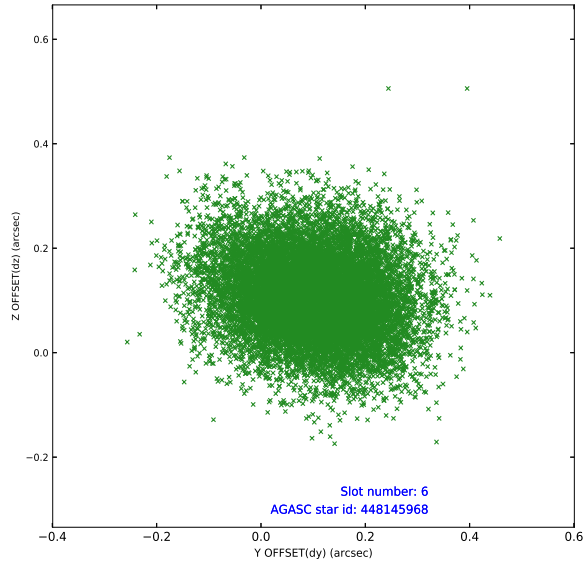
### 2.4.3 Slot 5



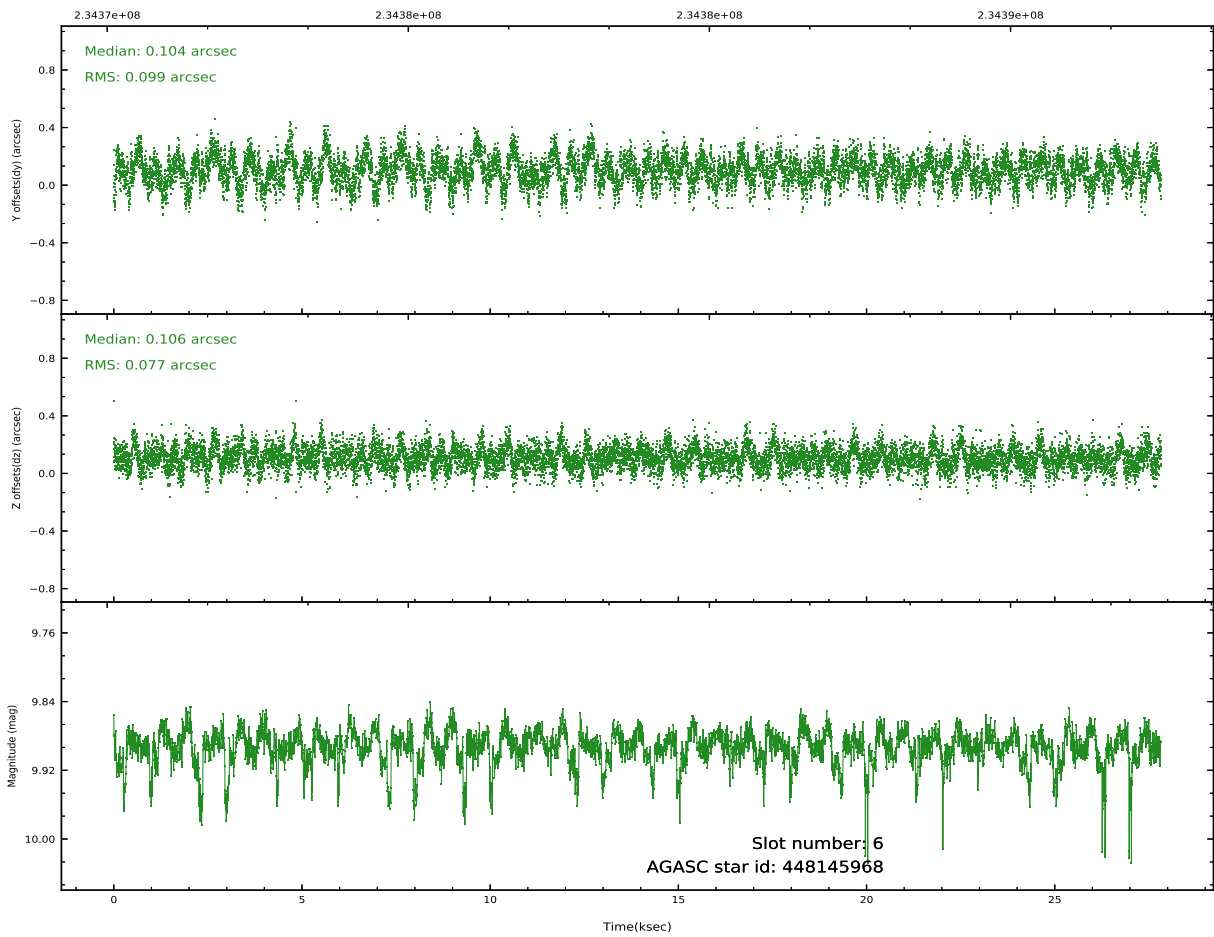
Time (s)



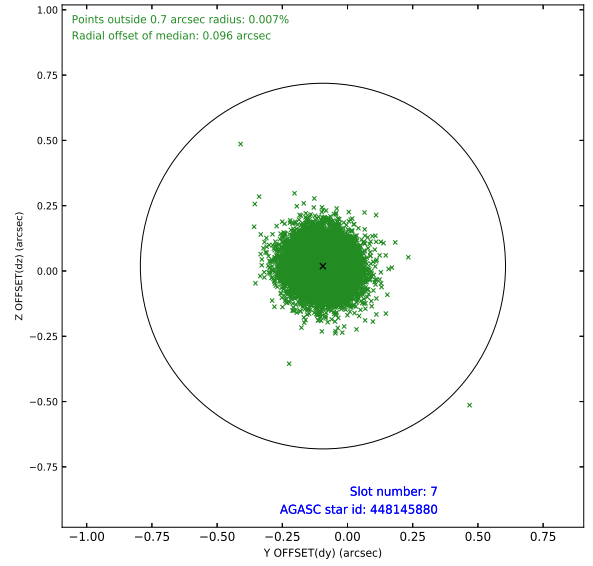
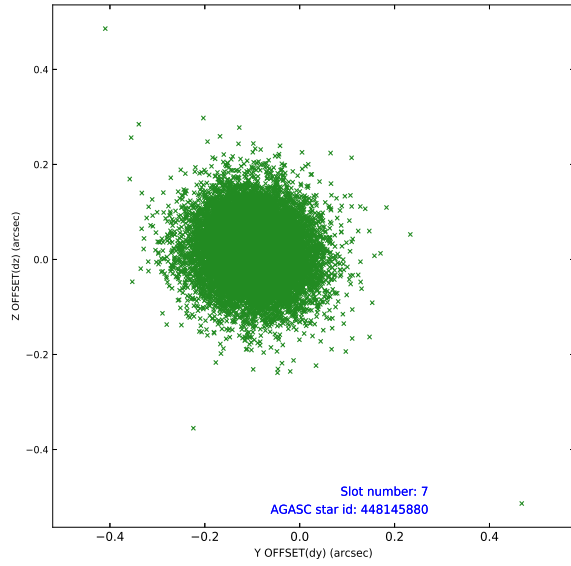
## 2.4.4 Slot 6



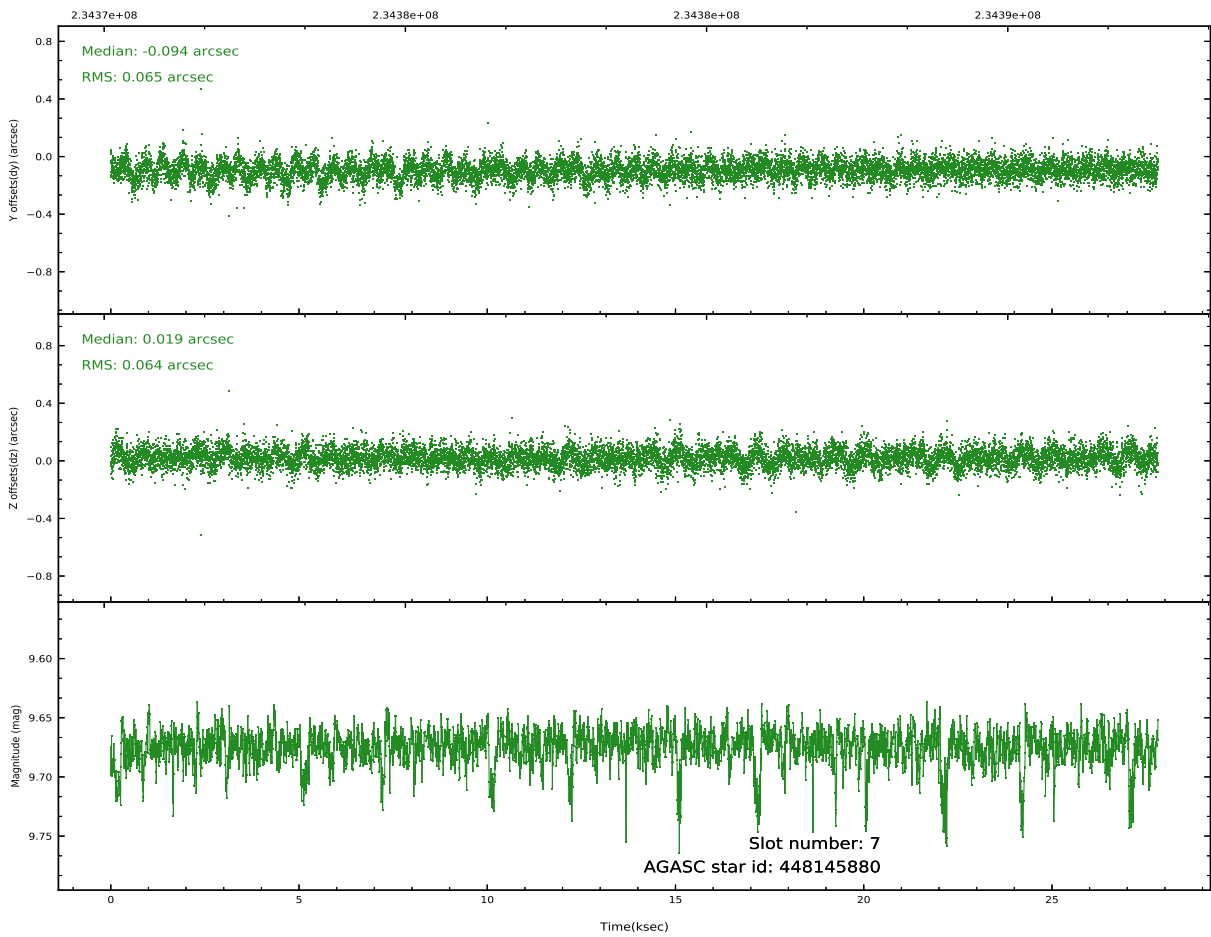
Time (s)



## 2.4.5 Slot 7

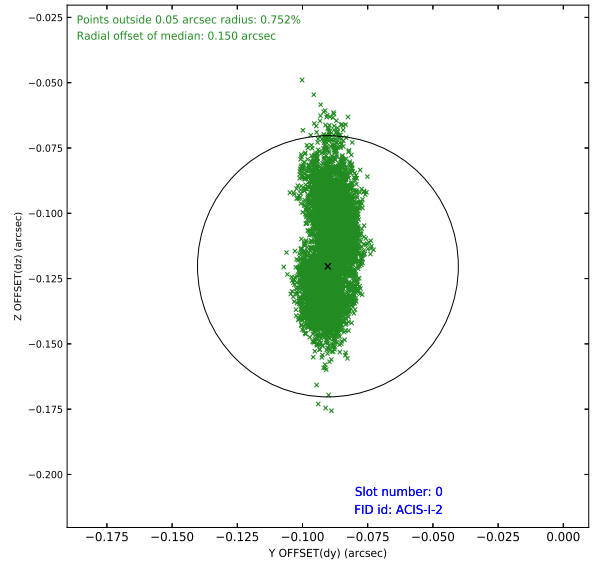
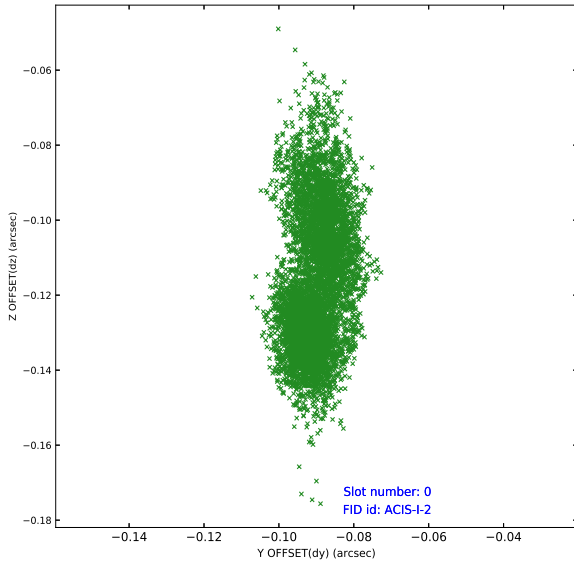


Time (s)

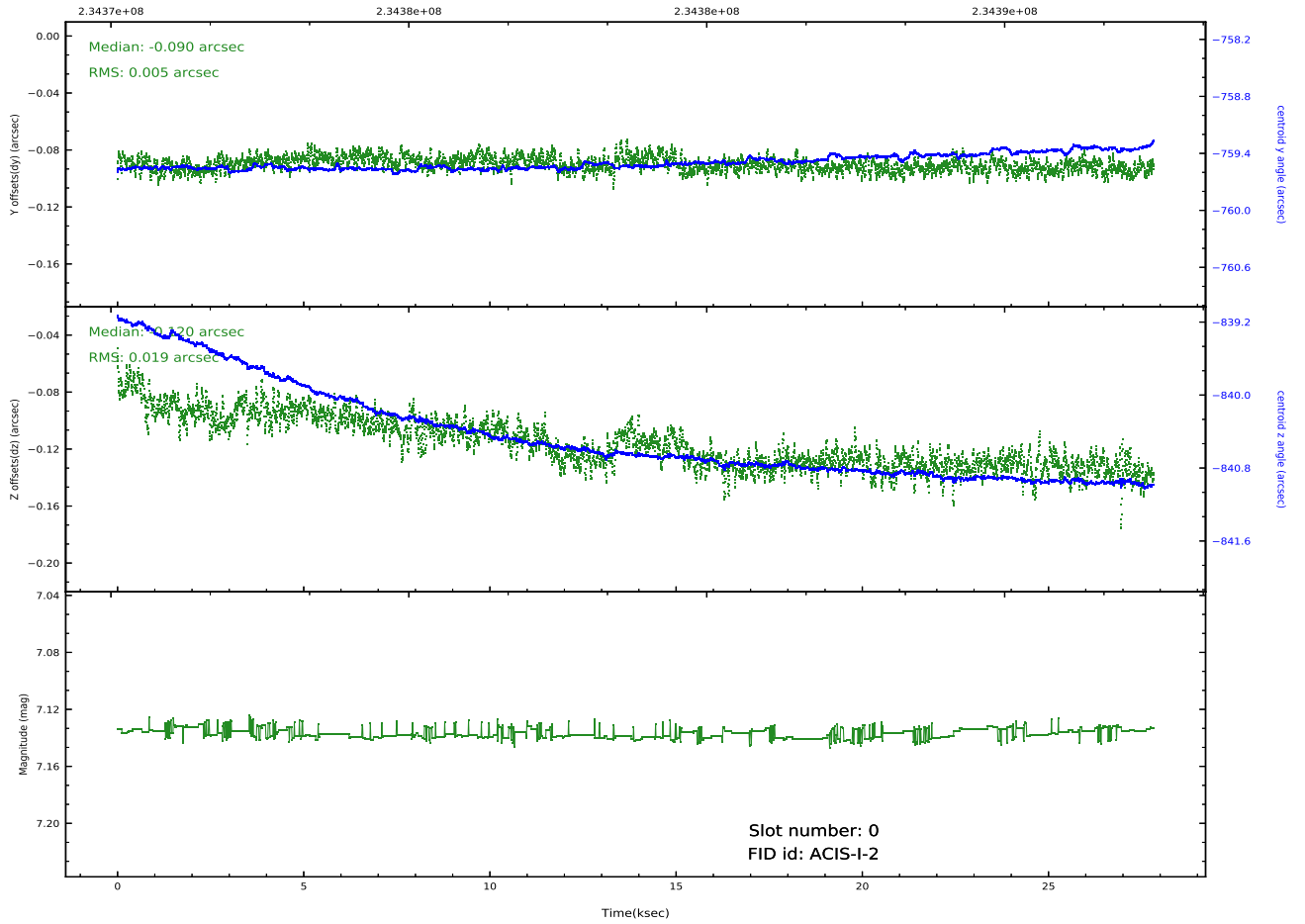


## 2.5 FID Slots

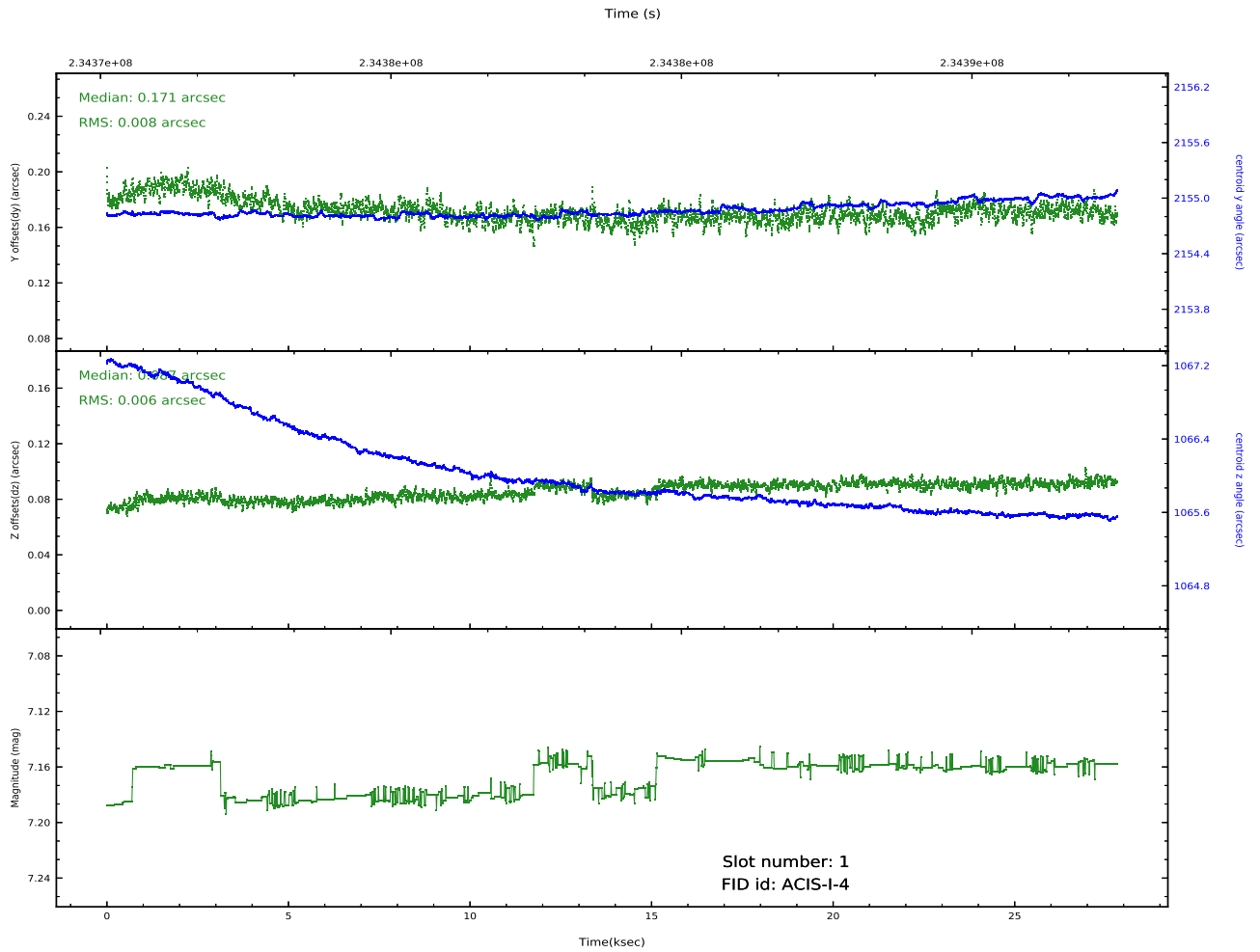
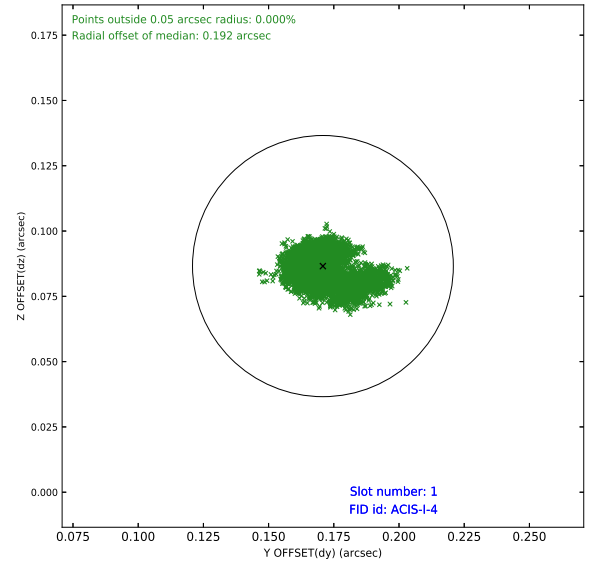
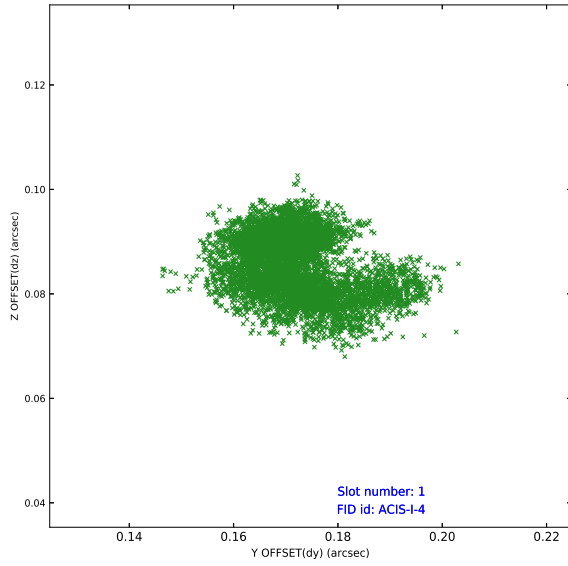
### 2.5.1 Slot 0



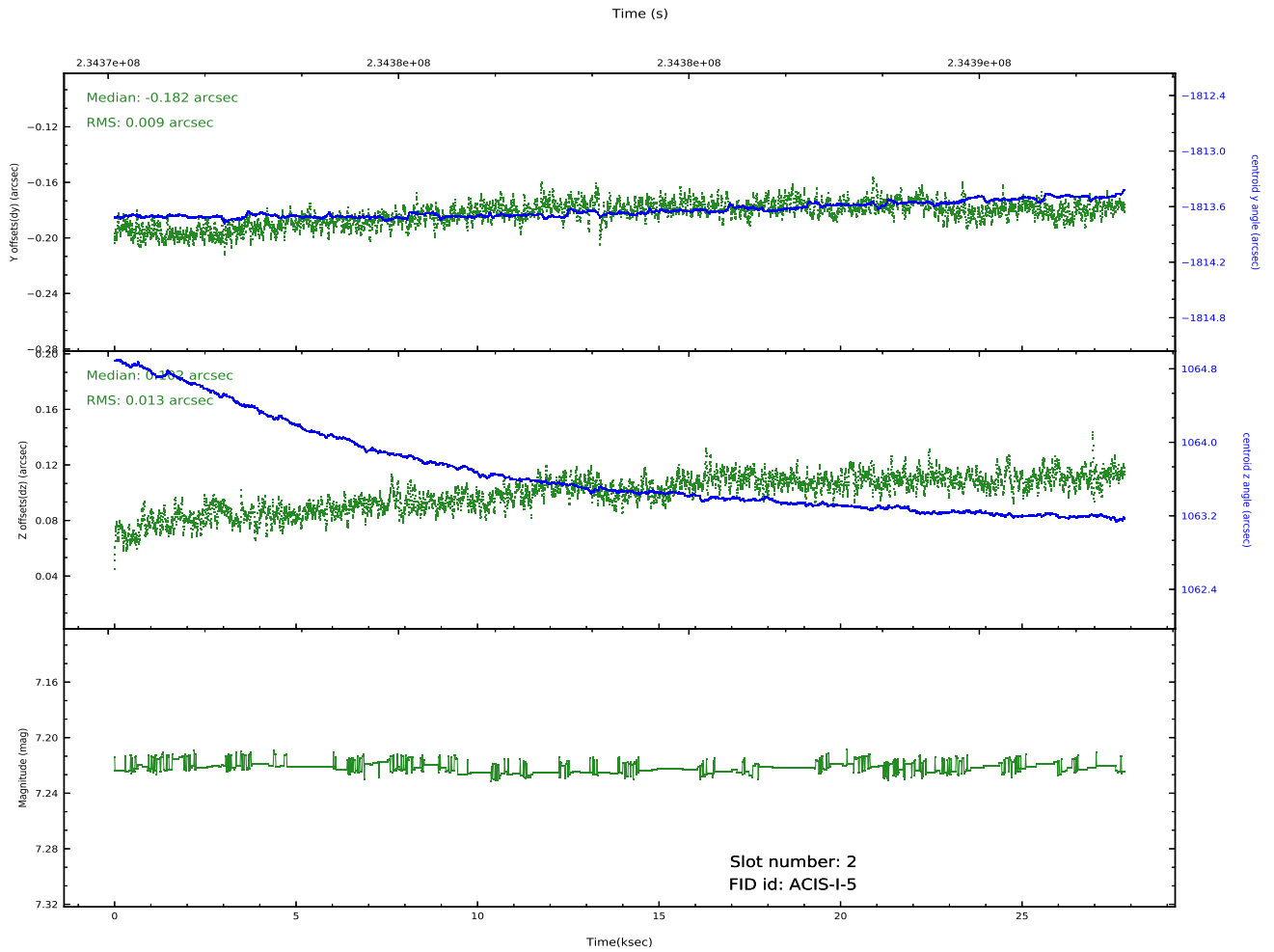
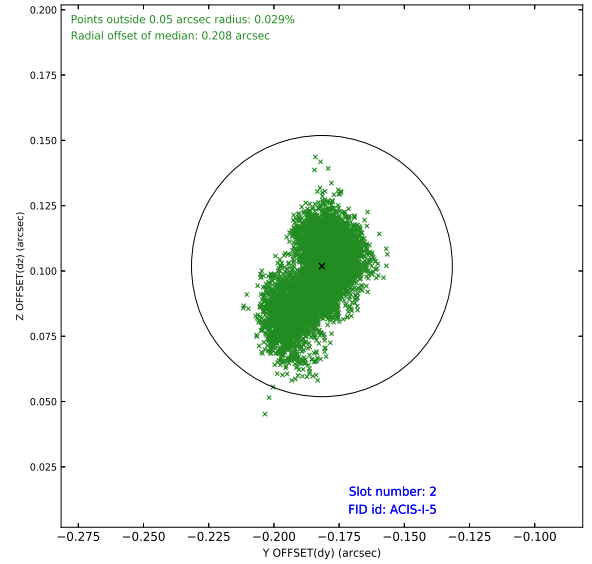
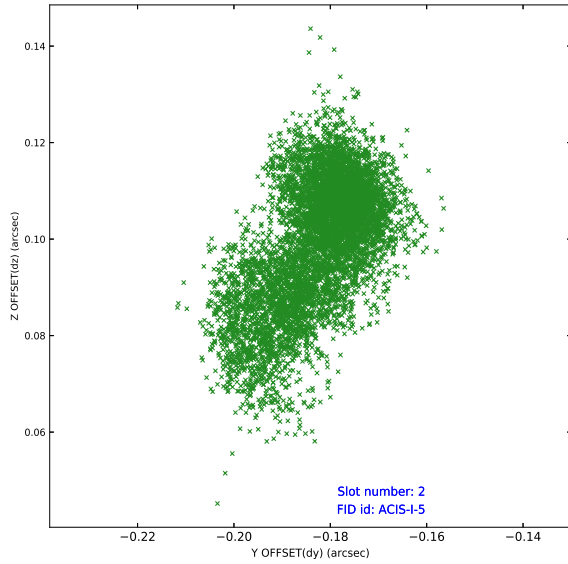
Time (s)



## 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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.82715

## A.2 Comments