

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6183 - L2 Version 5  
Chandra X-Ray Center

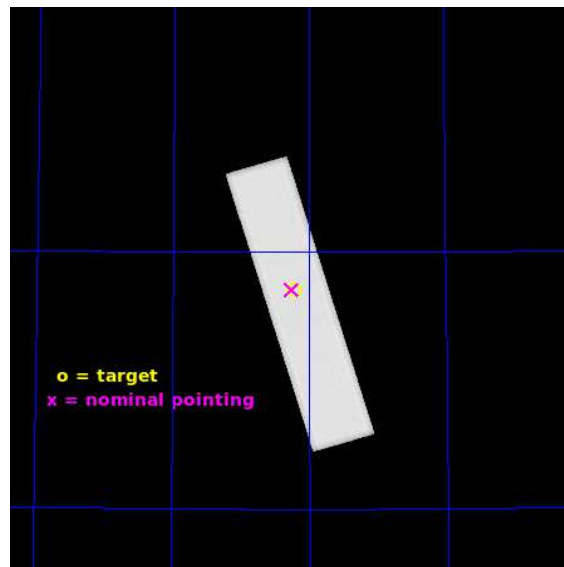
L2 Processing Date : Oct 7 2020

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# 1 Front

seq_num	500431	Sequence number
obs_id	6183	Observation id
title	THE NEXT GEMINGA: TAKING THE PULSE OF THE EGRET SOURCE 3EG J1835+5918	Proposal title
observer	Jules Halpern	Principal investigator
object	3EG J1835+5918	Source name
ra_targ	279.057083	Observer's specified target RA [deg]
dec_targ	59.425028	Observer's specified target Dec [deg]
ra_nom	279.06369787857	Nominal RA [deg]
dec_nom	59.427135969146	Nominal Dec [deg]
roll_nom	73.060968125856	Nominal Roll [deg]
revision	5	Processing version of data
ontime	45162.783297211	[s]
livetime	44997.643161527	Ontime multiplied by DTCOR
l2events	1604693	Number of level 2 events

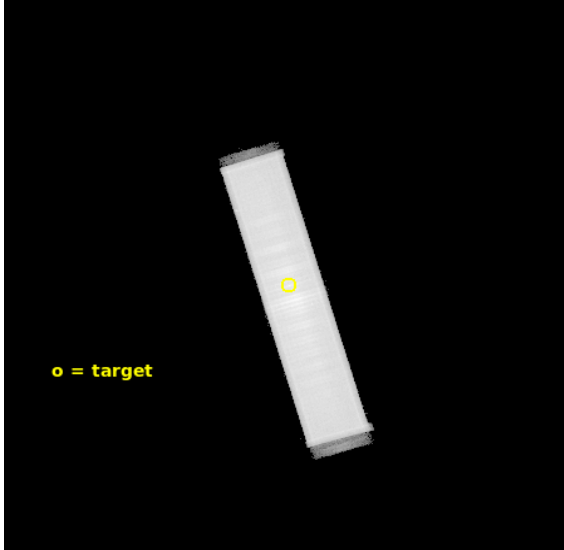


## 2 OBI

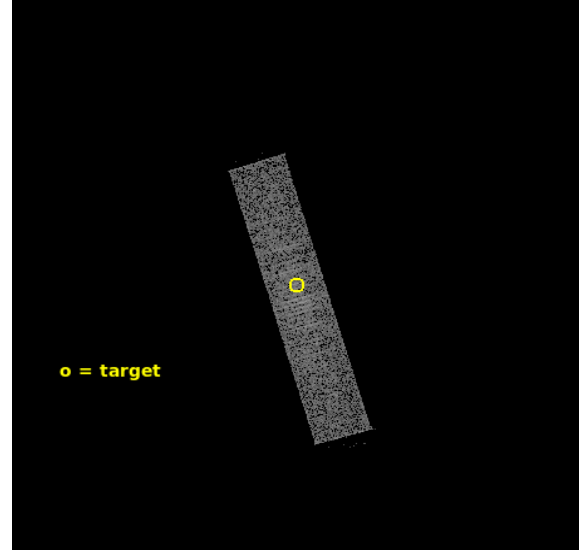
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	45000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	45162.783297211	[s]
caldbver	4.9.2	&#160	l1events	2502771	Number of level 1 events
date	2020-10-07T05:02:02	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

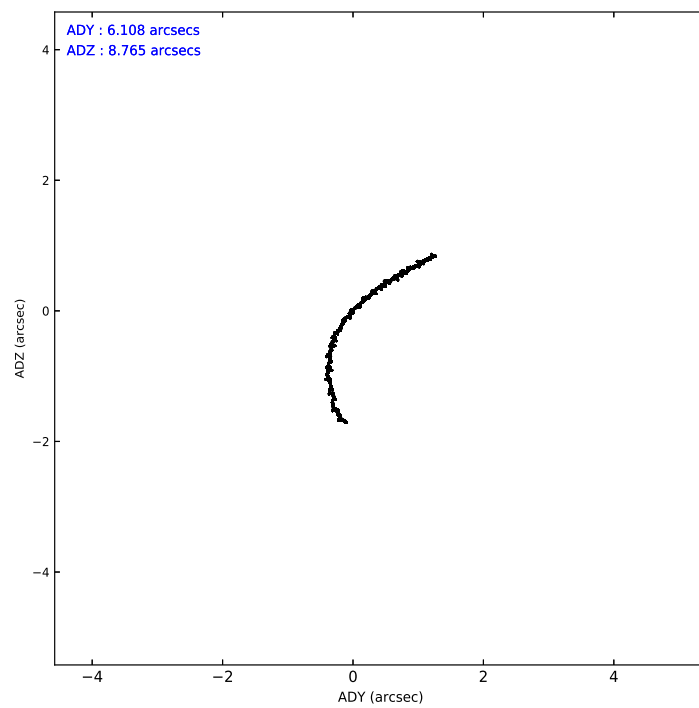
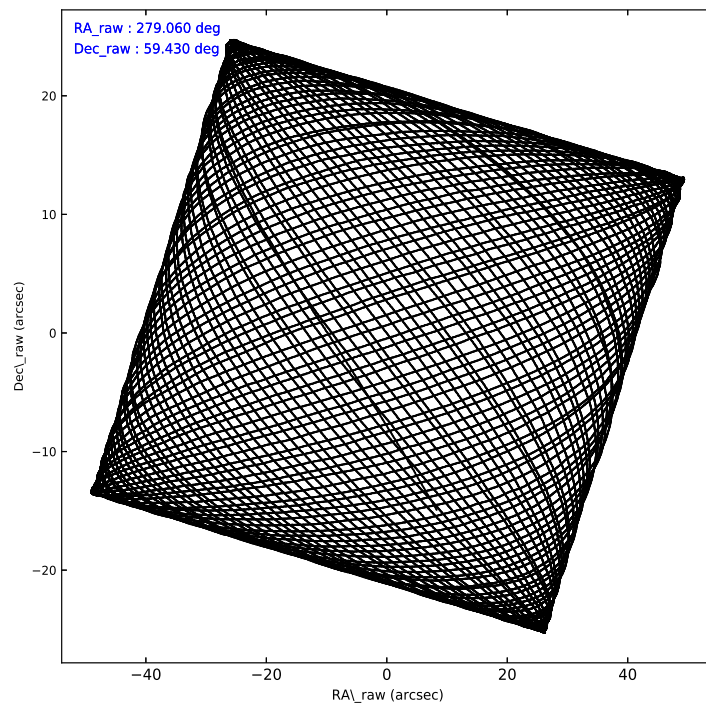
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	3908	2497694	1169
rejected events	123	91706	46
rejected %	3%	3%	3%

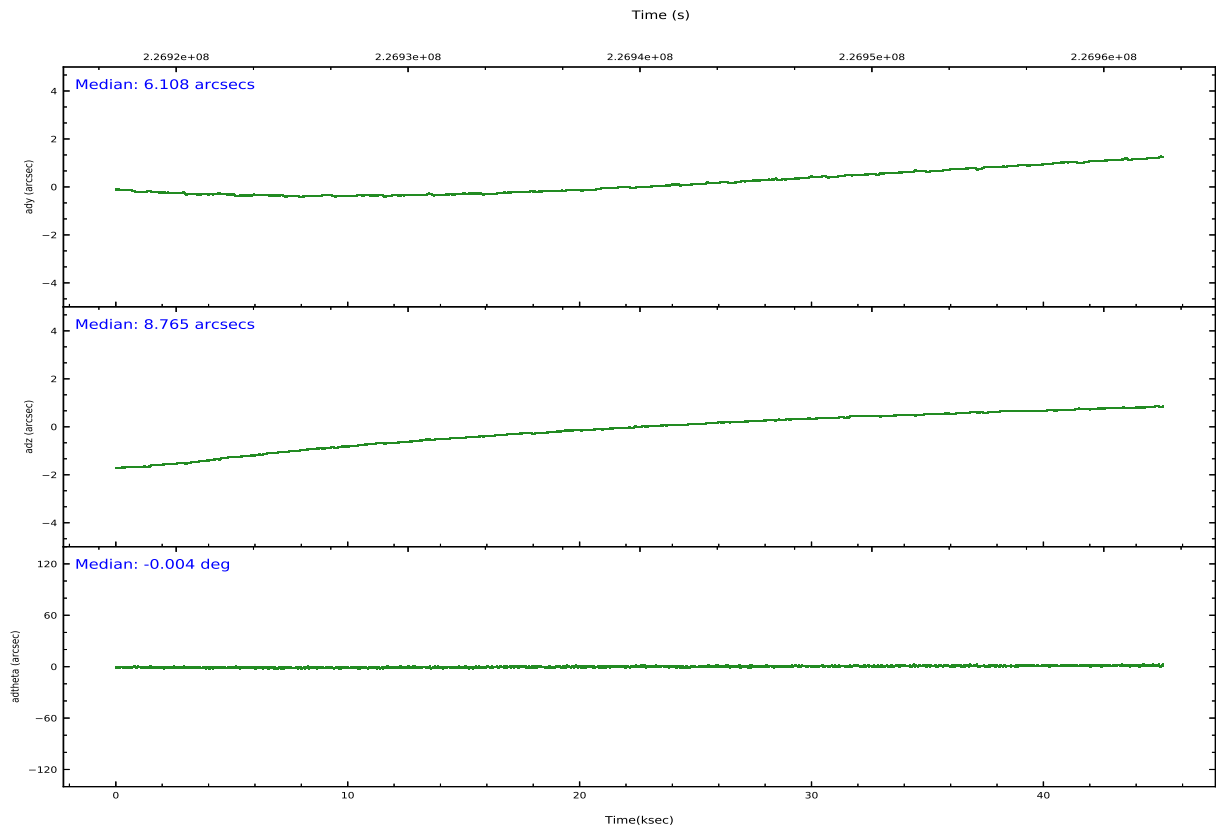
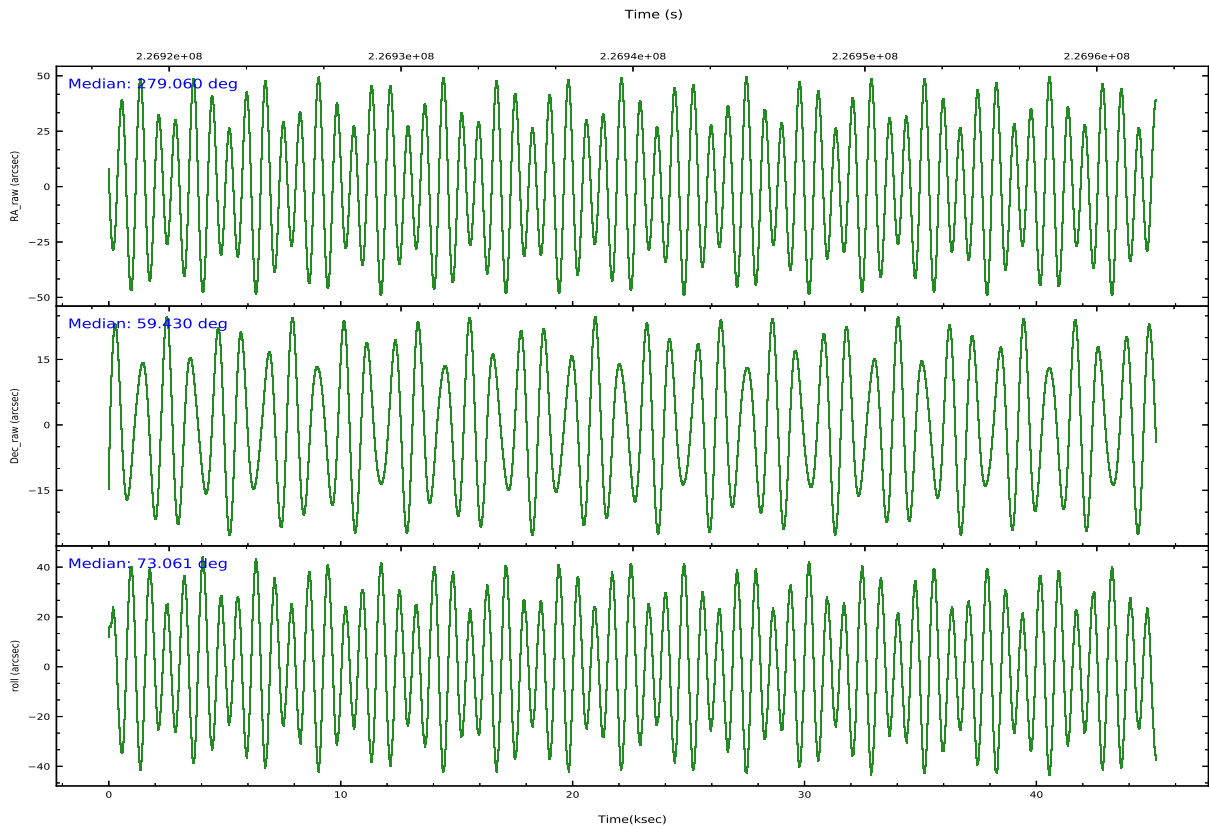
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.075402	279.06369787857
[deg] Pointing Dec	59.401955	59.427135969146
[deg] Pointing Roll	72.982985	73.06096812585599
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	226917559.184000	226916413.27032
Observation start date	2005-03-11T08:38:15	2005-03-11T08:20:13
[s] Observation end time (MET)	226962559.184000	226963303.43494
Observation end date	2005-03-11T21:08:15	2005-03-11T21:21:43

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





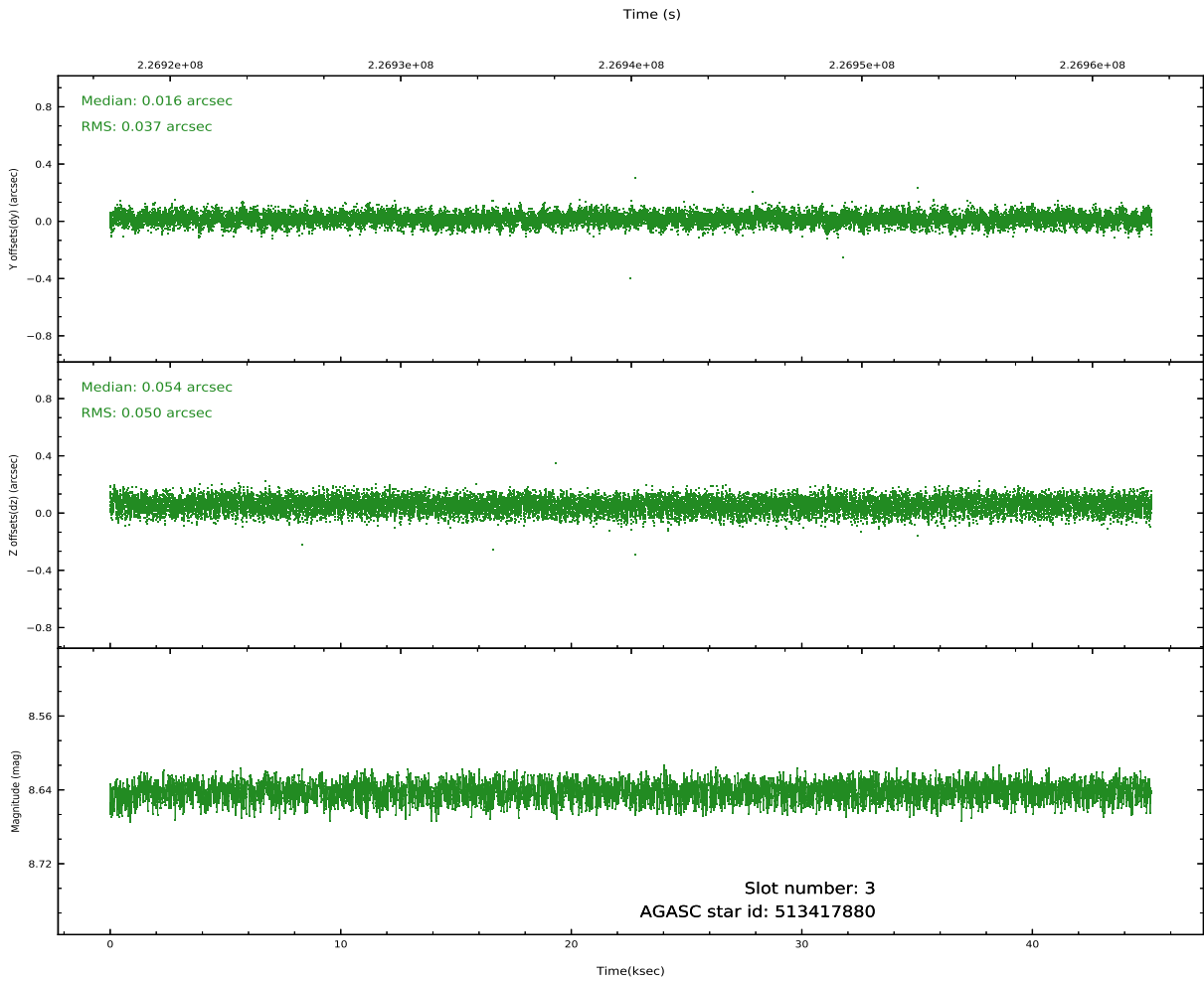
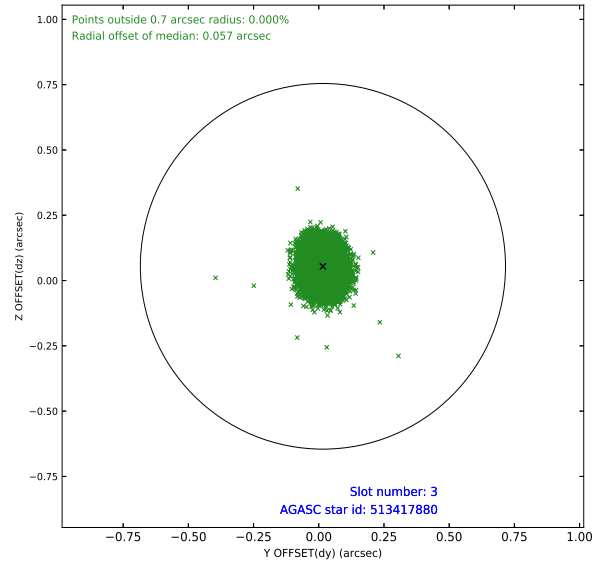
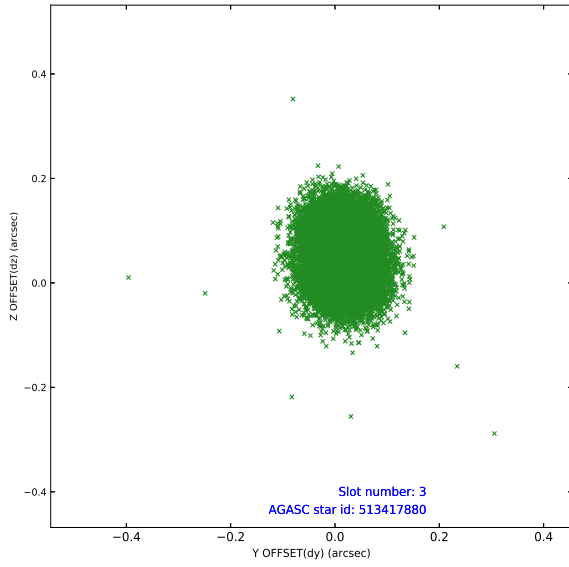
### Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.02	11015	1.000	0.089	-0.165	0.030	0.040	0.000000	0.000000	-1160.44	-457
1	FID		HRC-S-2	7.03	11016	1.000	0.191	-0.108	0.013	0.018	0.000000	0.000000	1239.23	-449
2	FID		HRC-S-3	7.04	11016	1.000	0.112	-0.029	0.038	0.050	0.000000	0.000000	-1163.05	572
3	GUIDE	used	513417880	8.64	22024	1.000	0.016	0.054	0.066	0.106	279.584245	59.253862	-232.29	-1050
4	GUIDE	used	513419672	8.92	22020	1.000	-0.067	0.009	0.086	0.135	278.251329	59.888562	1248.03	1938
5	GUIDE	used	513420760	9.04	22021	1.000	-0.020	-0.004	0.099	0.156	277.675033	59.117633	-1710.44	2182
6	GUIDE	used	513422640	8.02	22025	1.000	-0.078	0.023	0.076	0.124	277.976729	59.419970	-511.58	1947
7	GUIDE	used	513421296	9.07	22013	1.000	0.147	-0.081	0.110	0.175	277.849502	59.566976	-66.85	2317

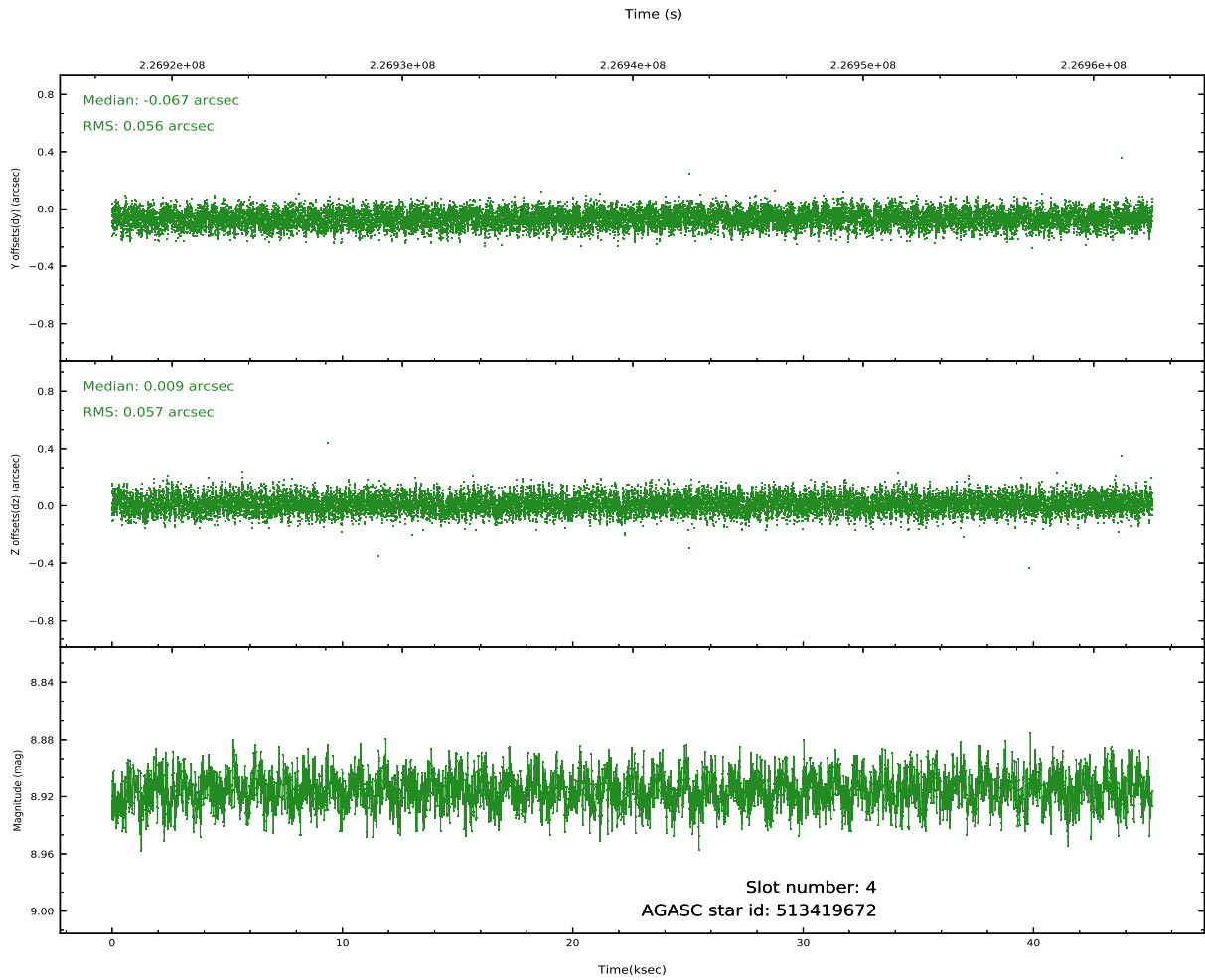
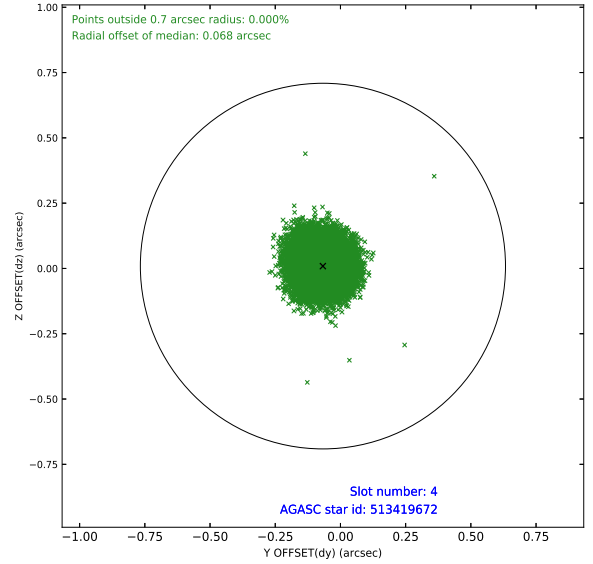
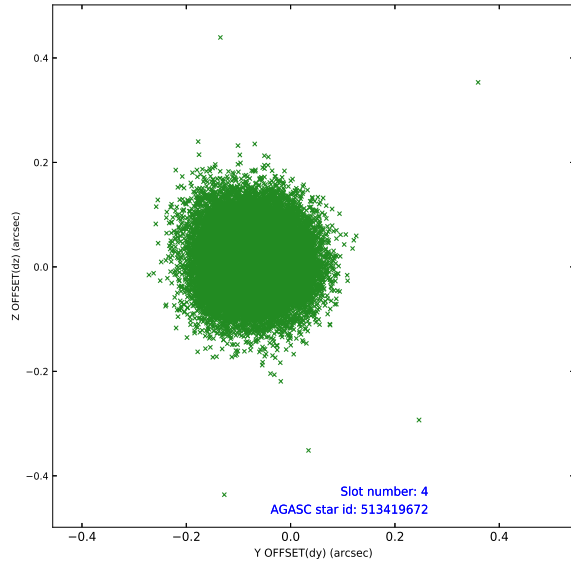
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## 2.4 Star Slots

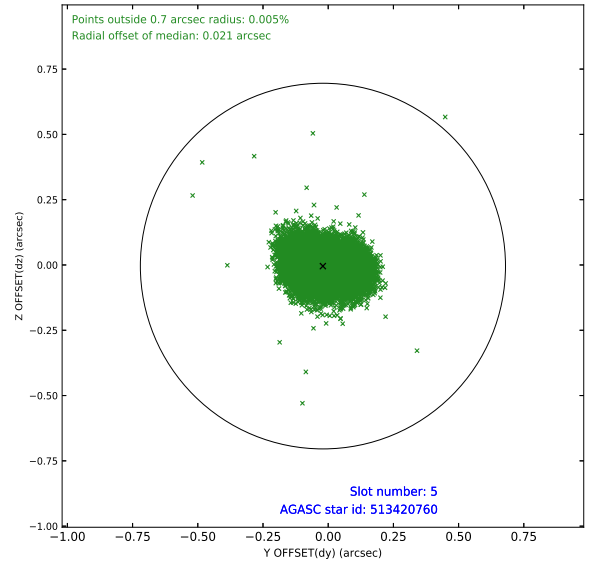
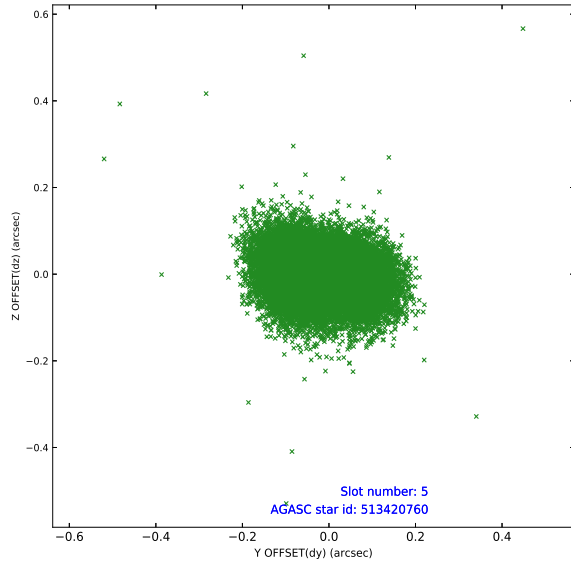
### 2.4.1 Slot 3



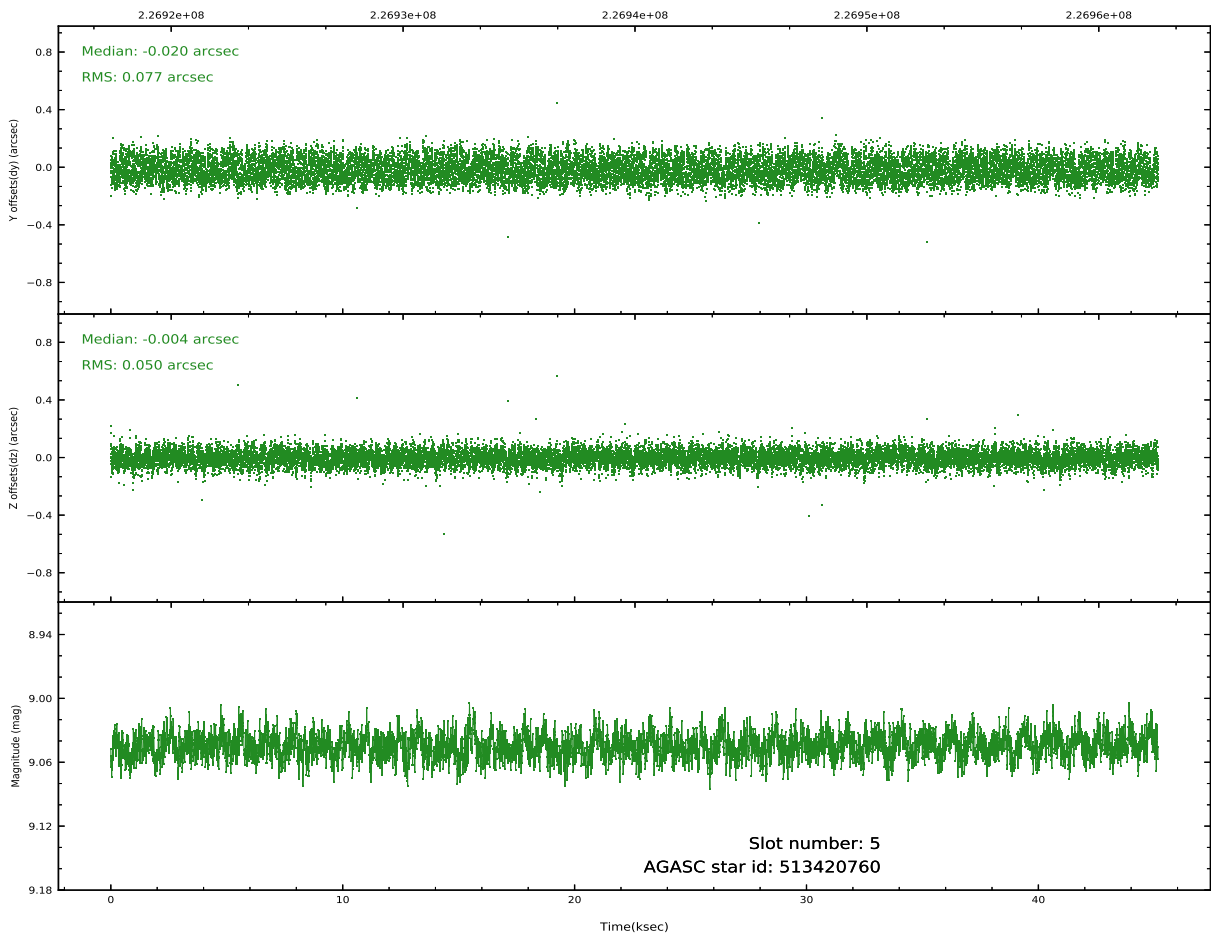
## 2.4.2 Slot 4



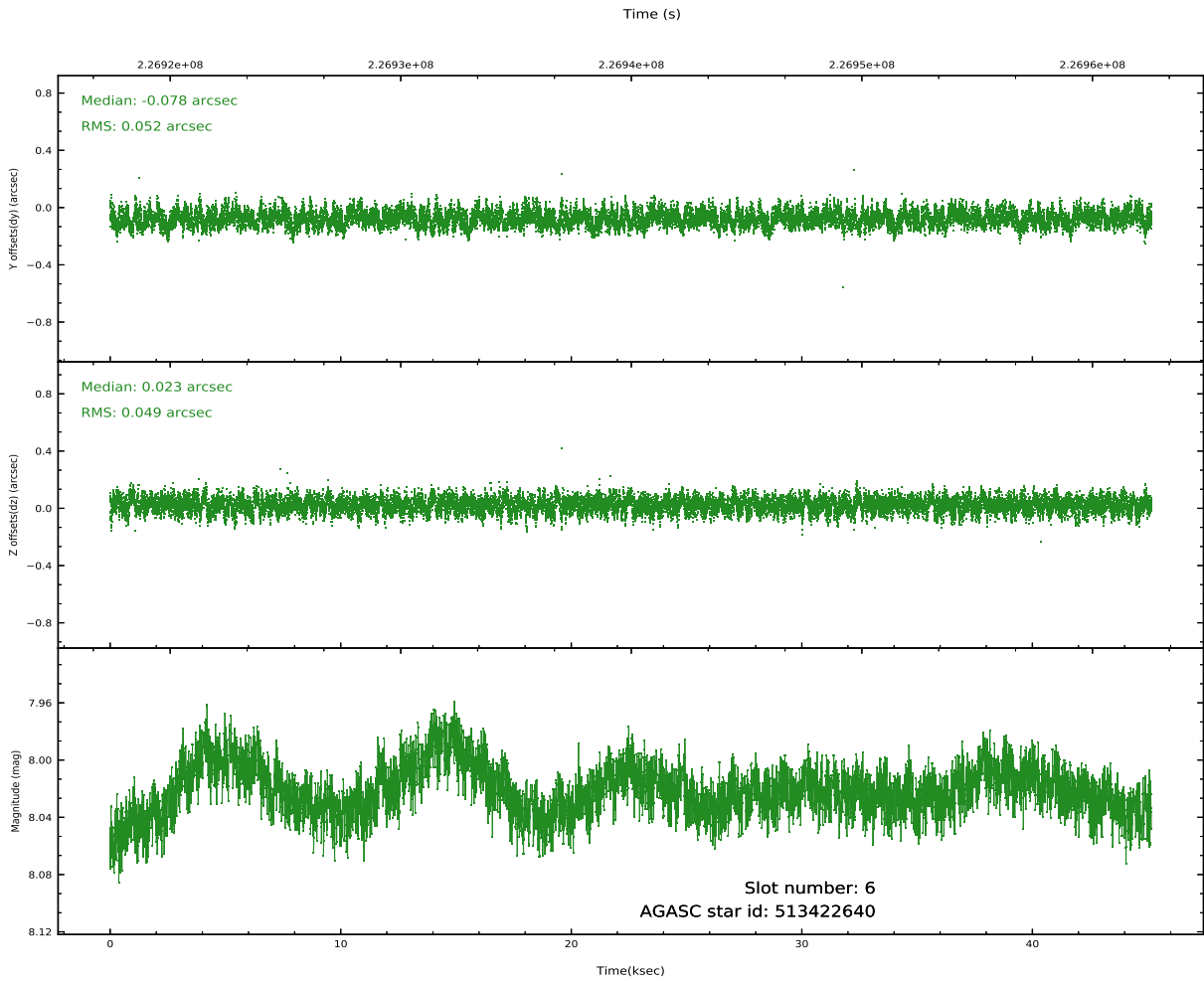
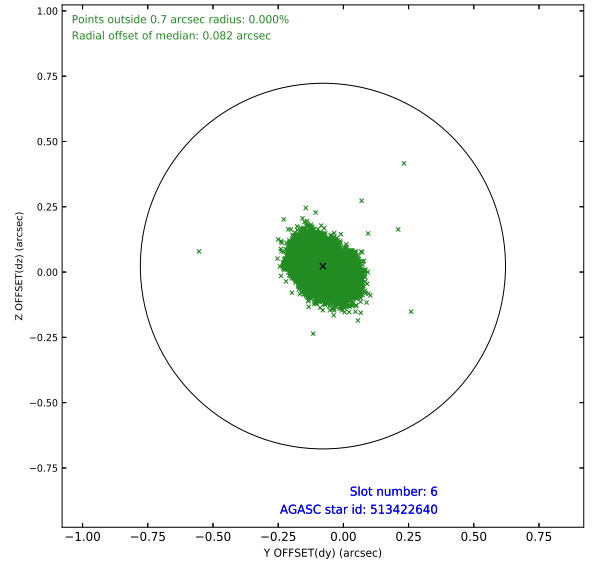
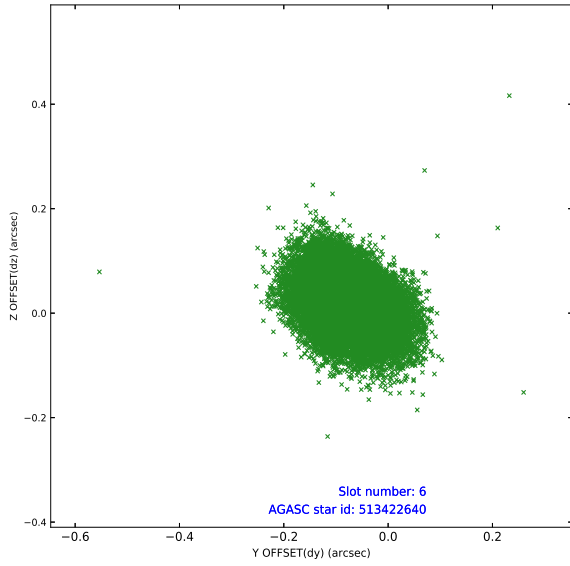
### 2.4.3 Slot 5



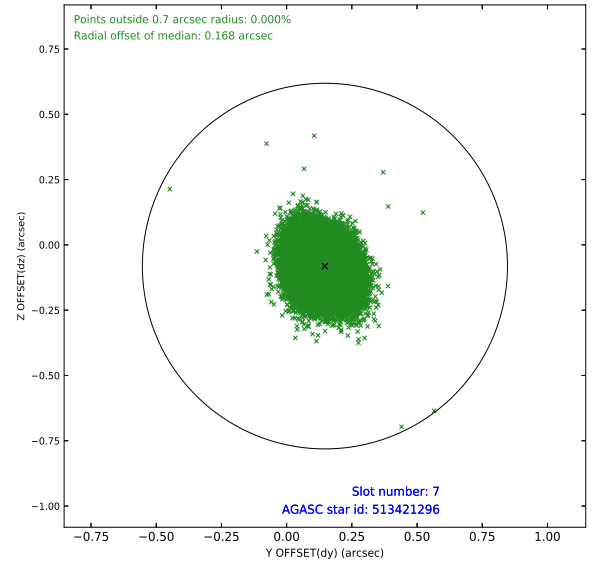
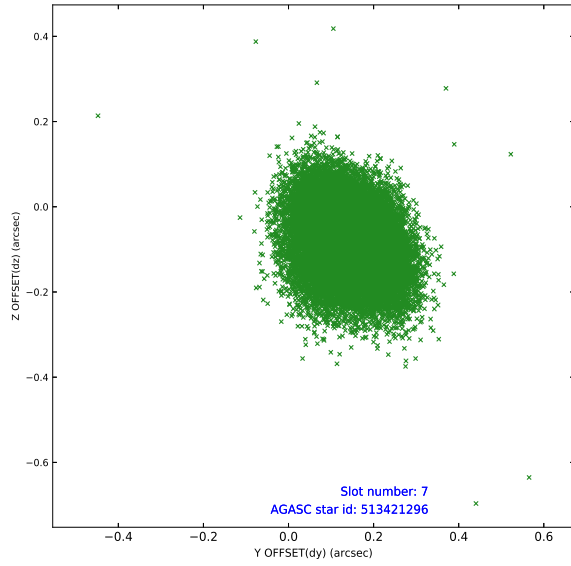
Time (s)



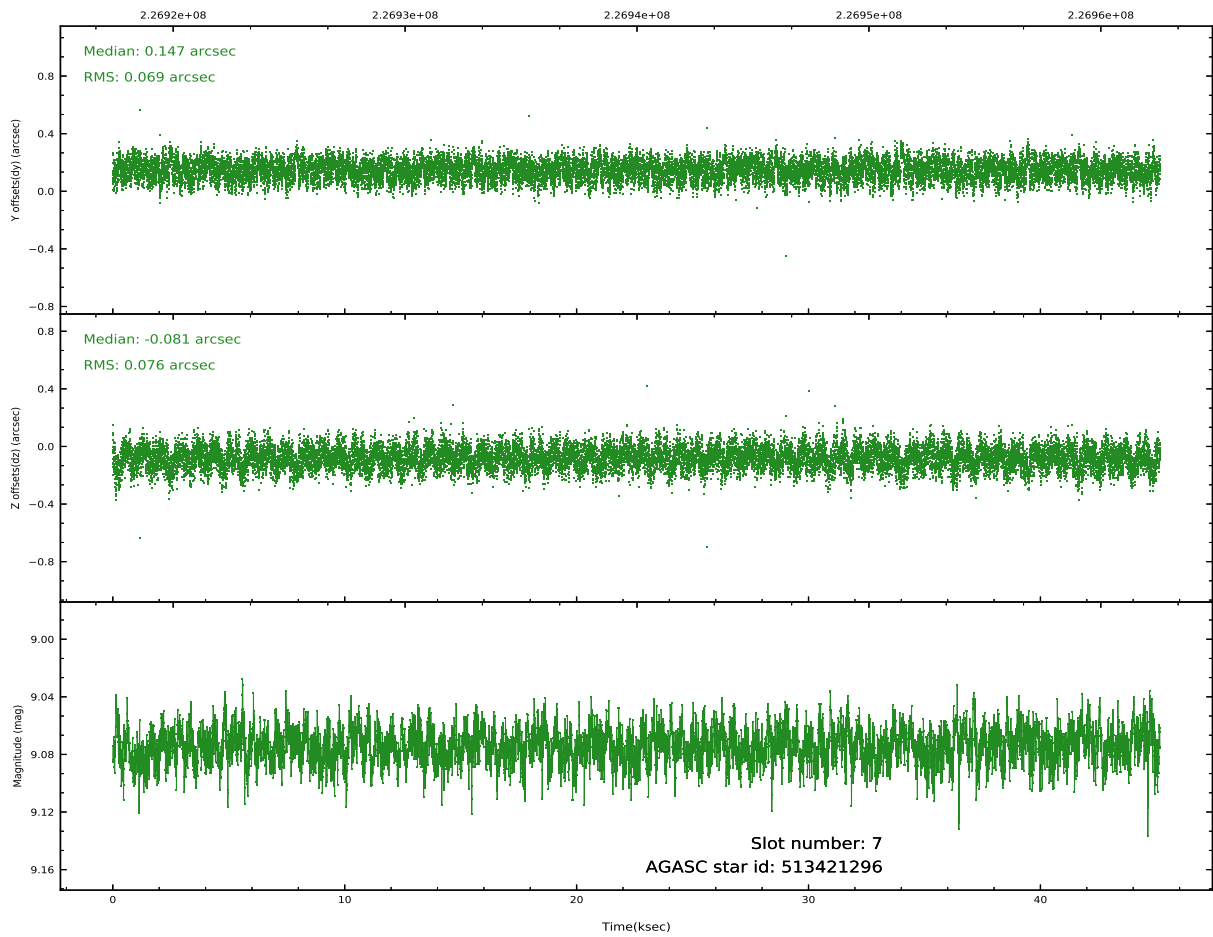
## 2.4.4 Slot 6



## 2.4.5 Slot 7

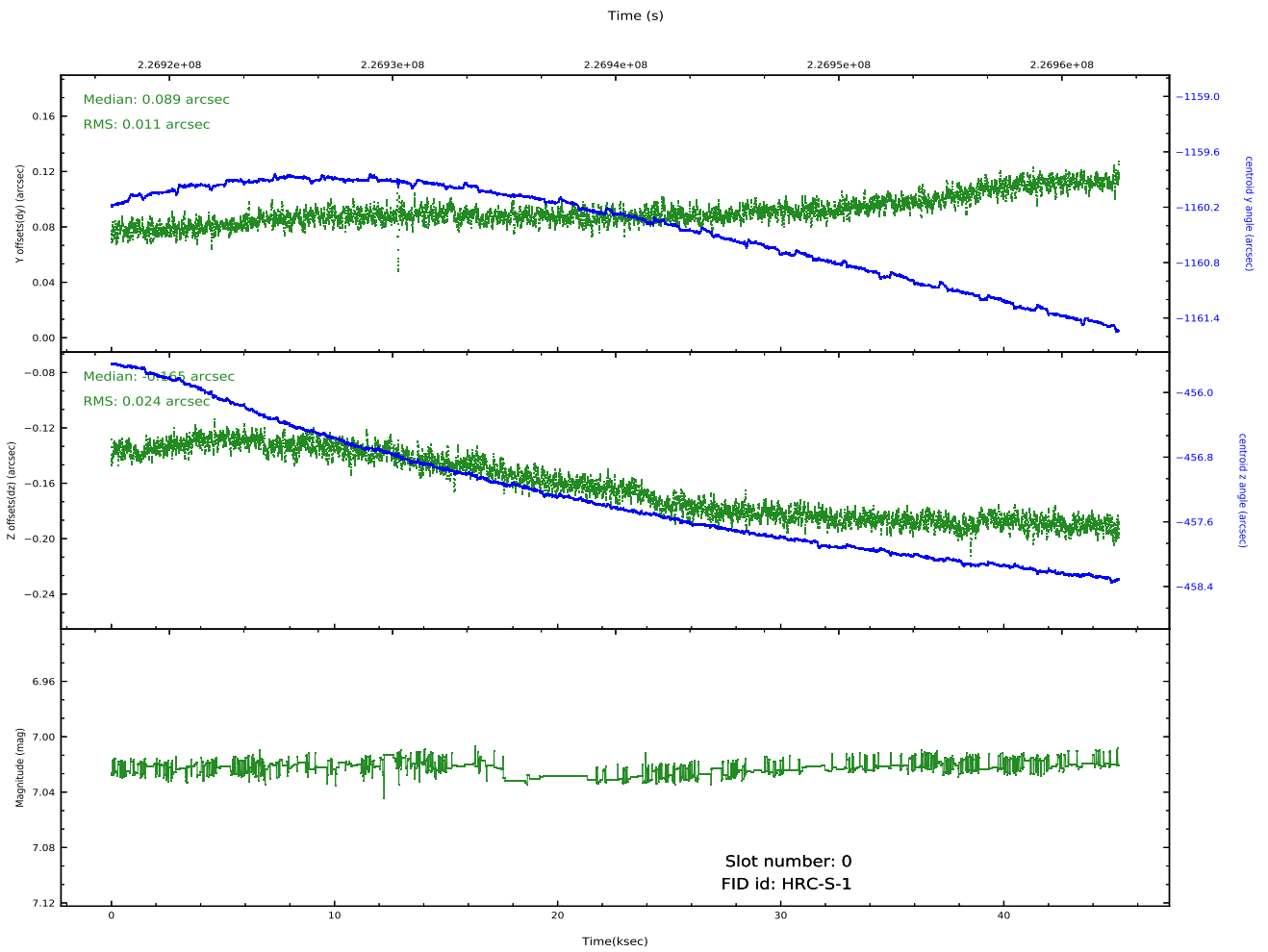
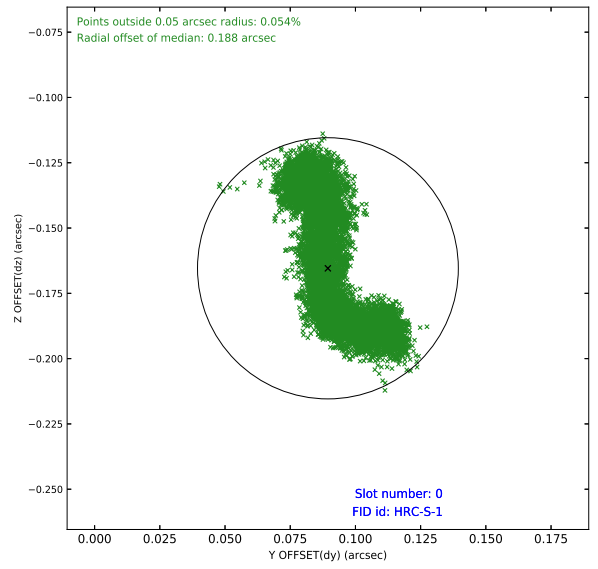
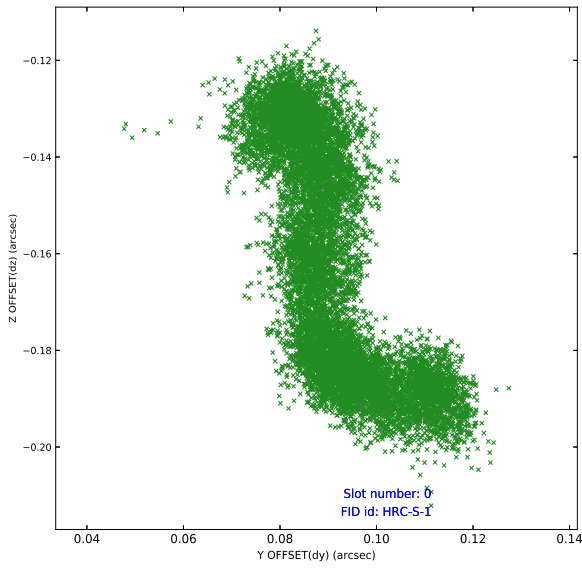


Time (s)

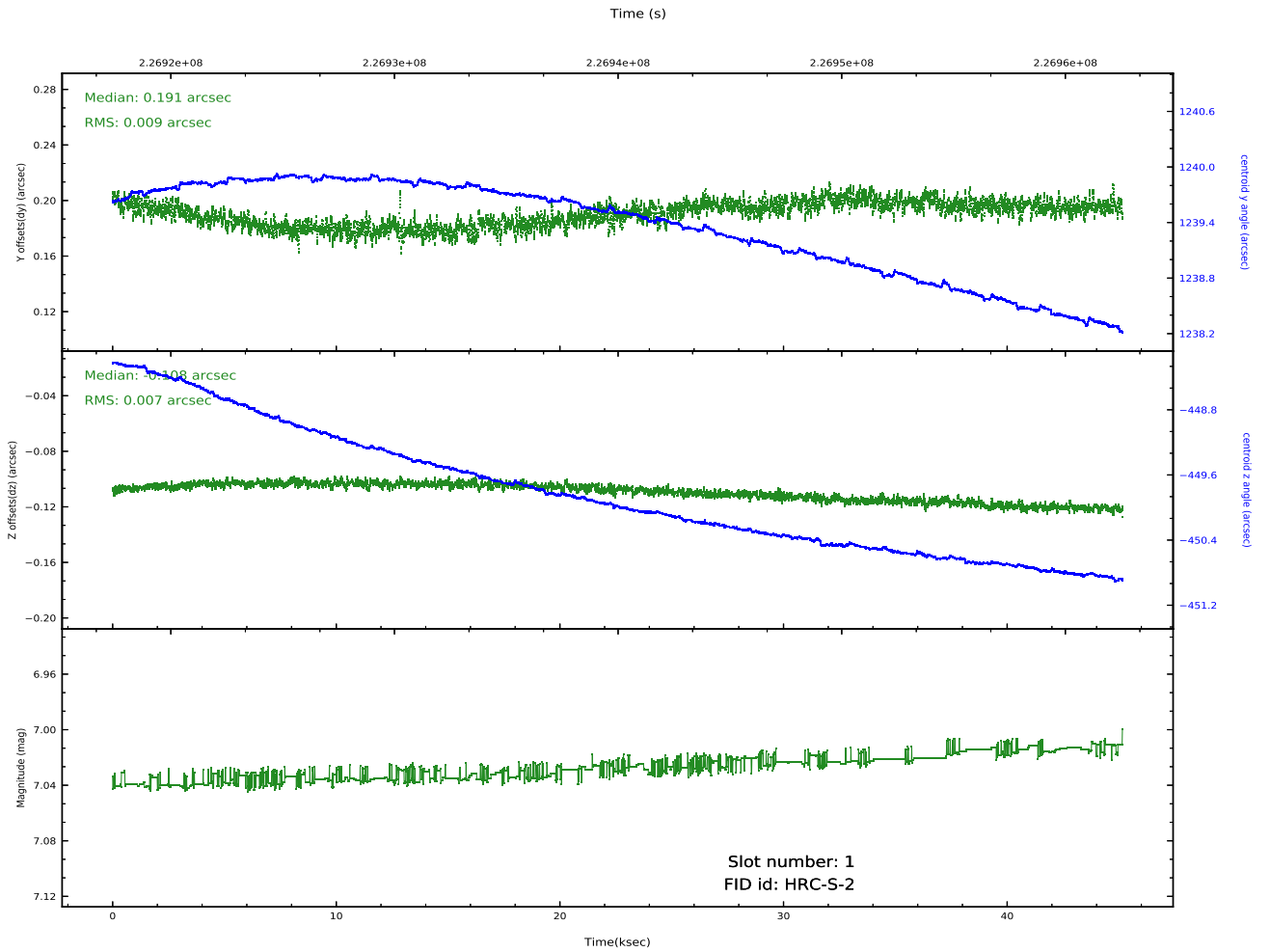
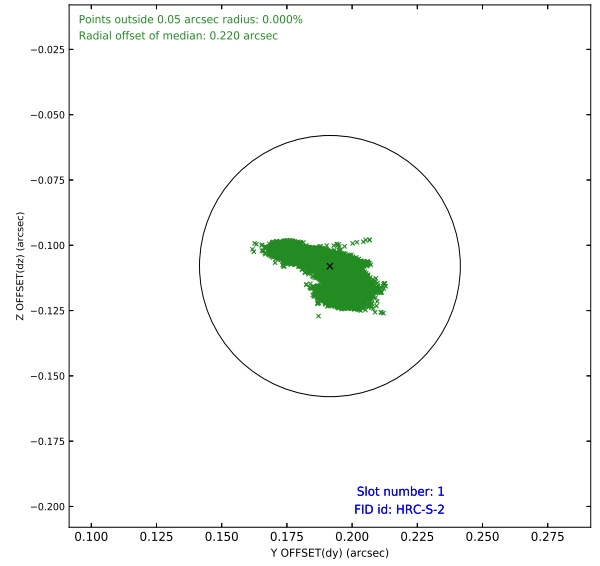
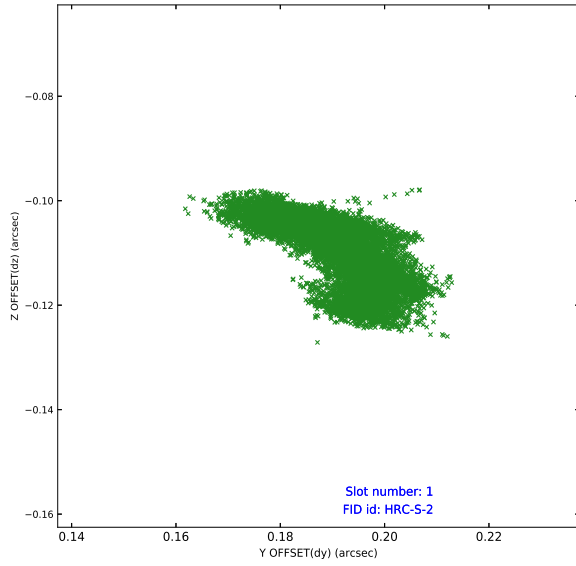


## 2.5 FID Slots

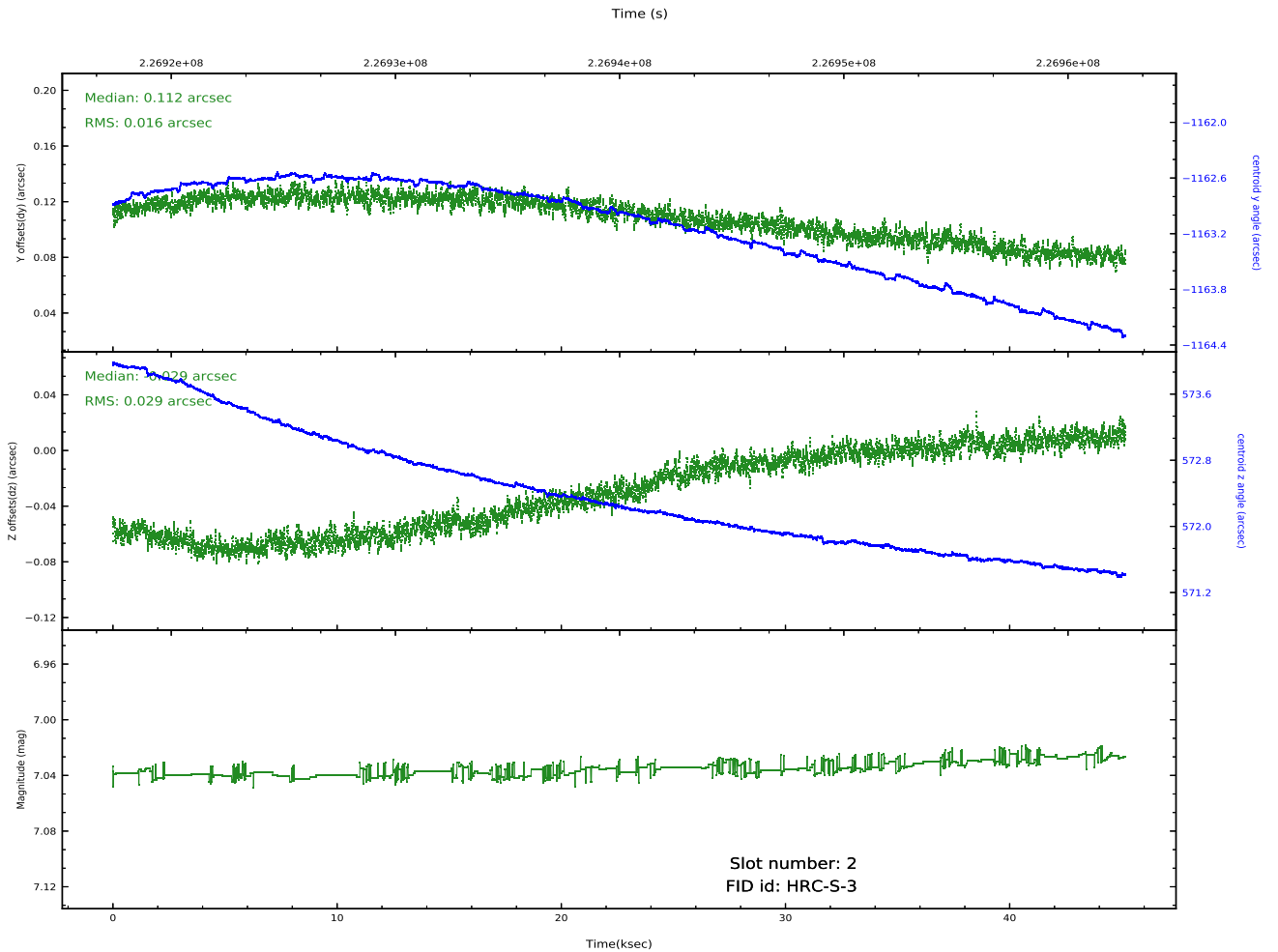
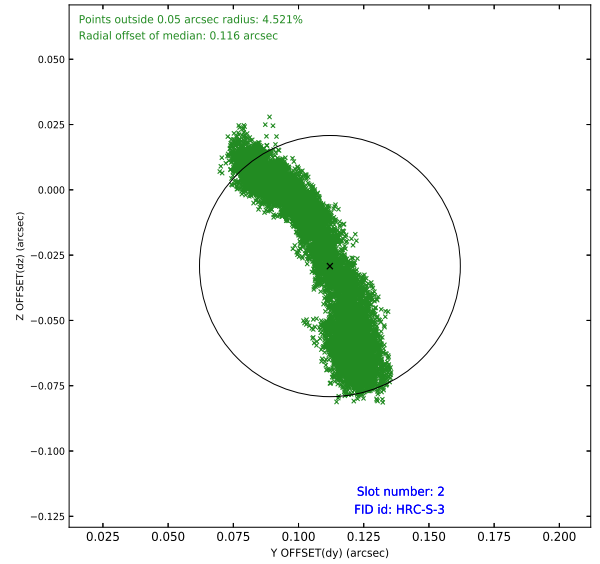
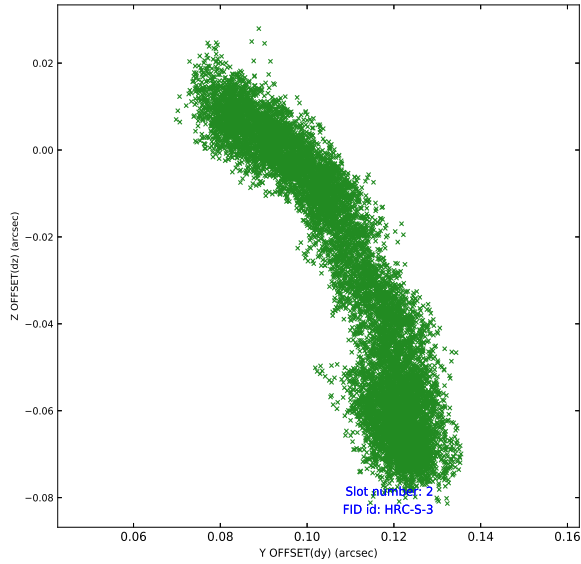
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.16278

### A.2 Comments