

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6083 - L2 Version 5  
Chandra X-Ray Center

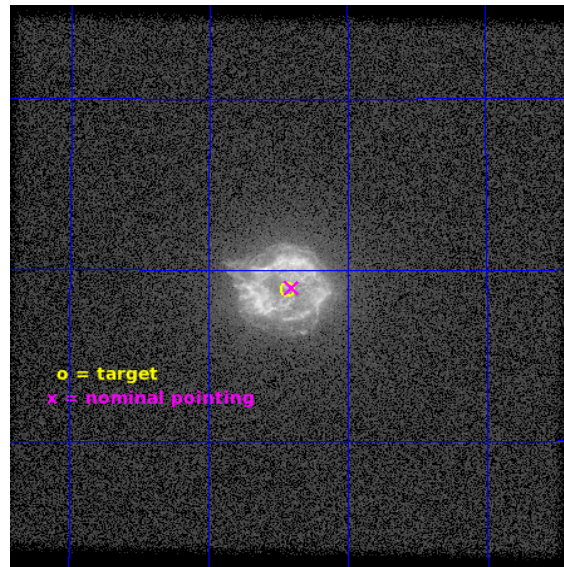
L2 Processing Date : Oct 11 2020

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# 1 Front

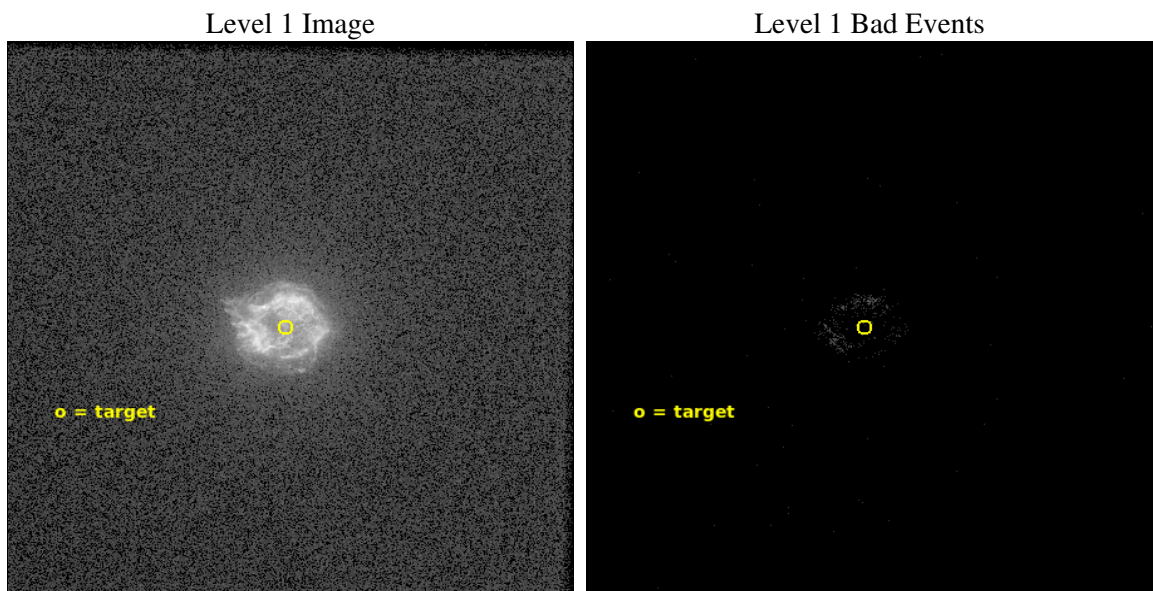
seq_num	590410	Sequence number
obs_id	6083	Observation id
title	AO6B Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	Cas A	Source name
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.85020939552	Nominal RA [deg]
dec_nom	58.816320728624	Nominal Dec [deg]
roll_nom	225.93565037694	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5149.8564873338	[s]
livetime	5078.2776759867	Ontime multiplied by DTCOR
l2events	671095	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5149.8564873338	[s]
caldsver	4.9.2	&#160	l1events	812005	Number of level 1 events
date	2020-10-11T03:39:46	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	812005
rejected events	12558
rejected %	1%

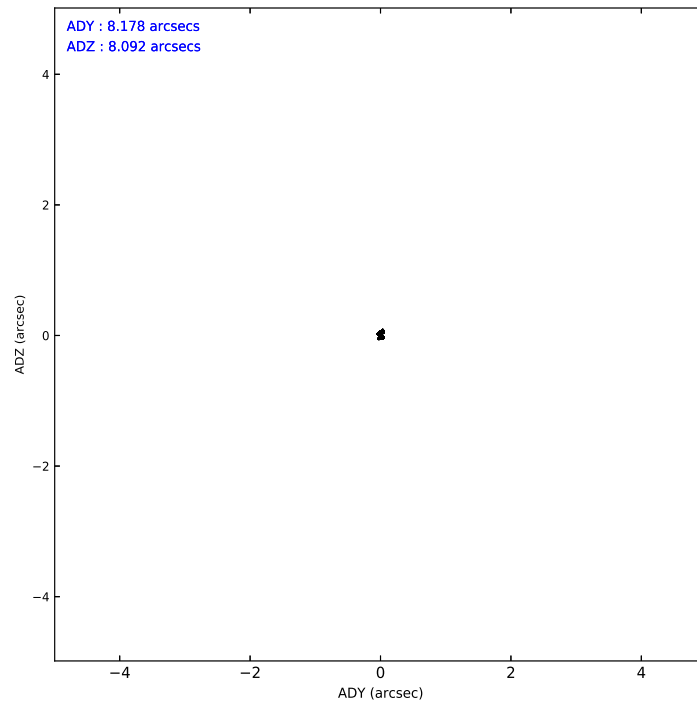
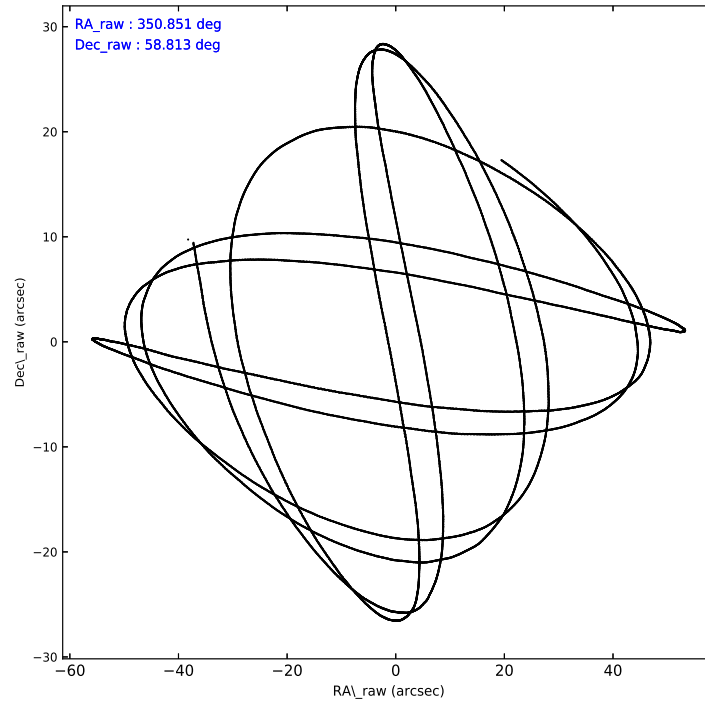


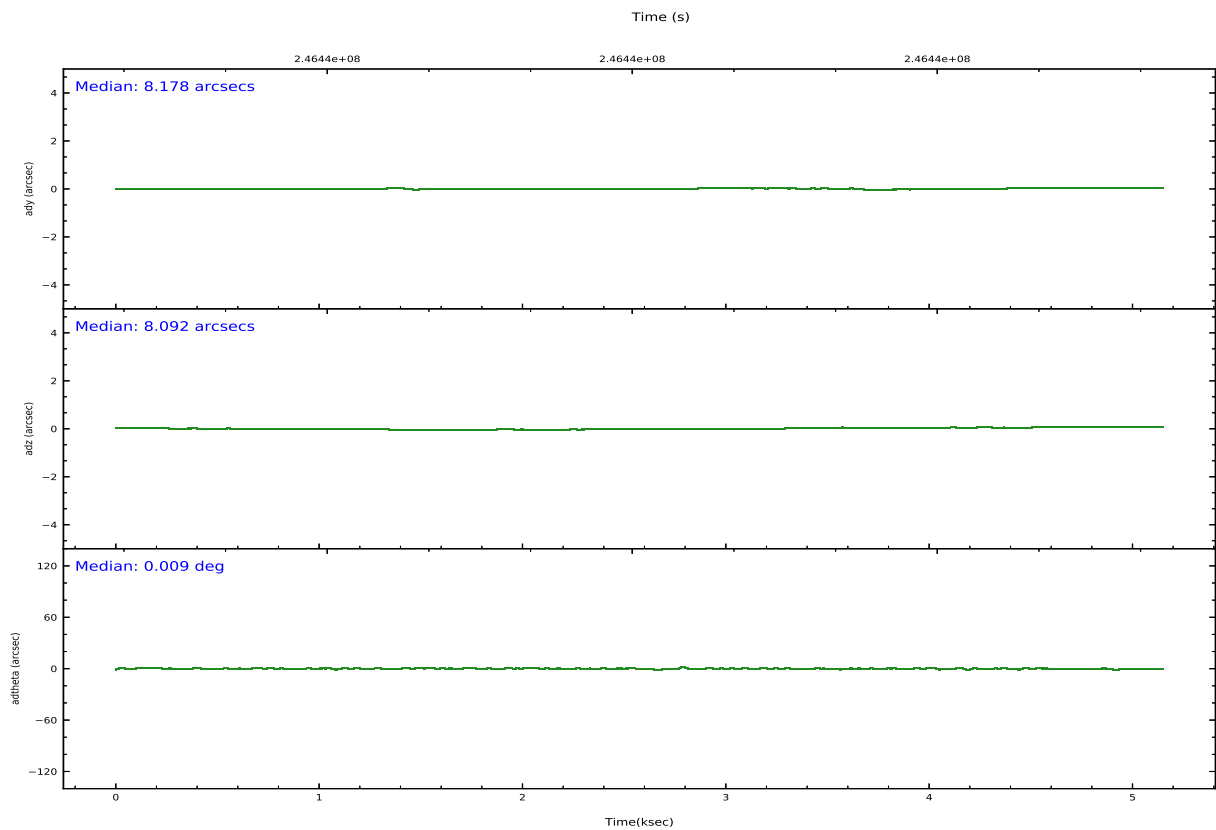
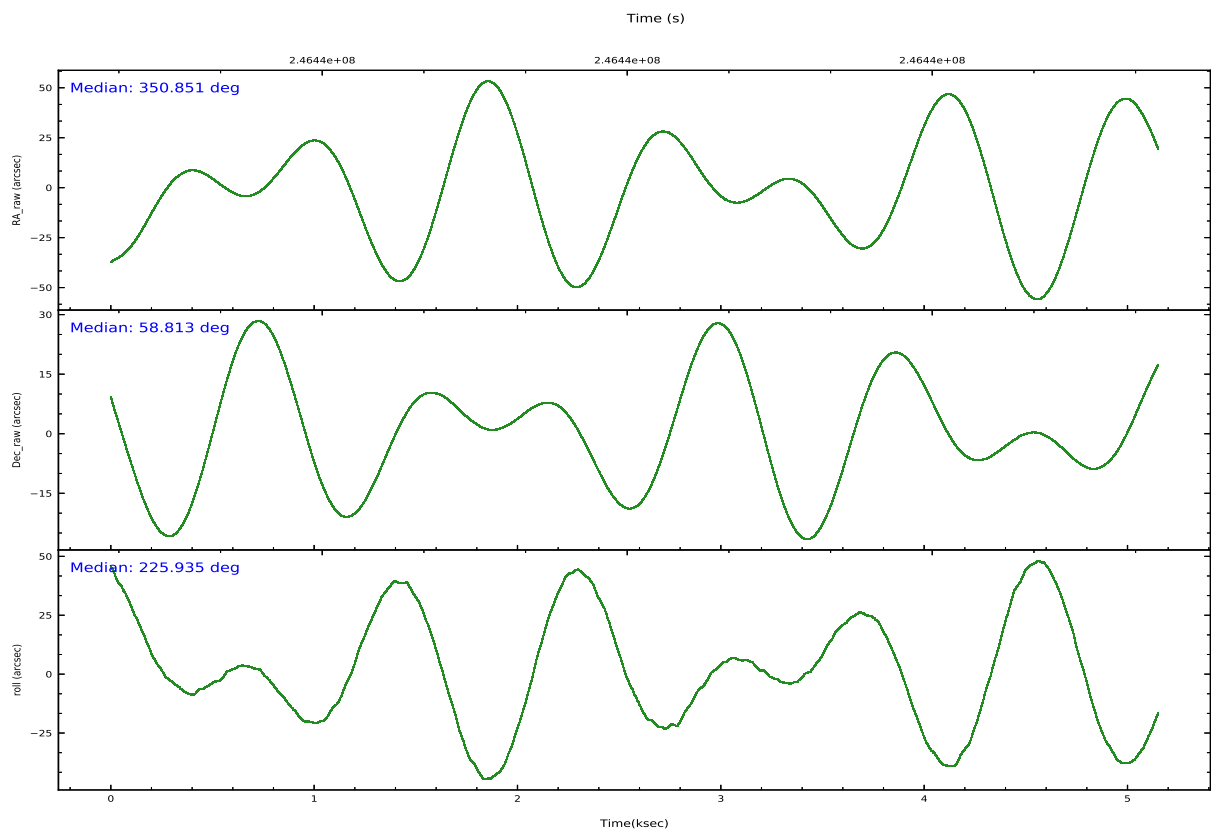
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.861653	350.85020939552
[deg] Pointing Dec	58.839618	58.816320728624
[deg] Pointing Roll	226.031491	225.93565037694
[s] Window start time (MET)	241920064.184000	241920064.184000
[s] Window stop time (MET)	249696064.184000	249696064.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	246436612.184000	246436209.73759
Observation start date	2005-10-23T06:35:48	2005-10-23T06:30:09
[s] Observation end time (MET)	246441612.184000	246442505.28788
Observation end date	2005-10-23T07:59:08	2005-10-23T08:15:05

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

## 2.3 Aspect



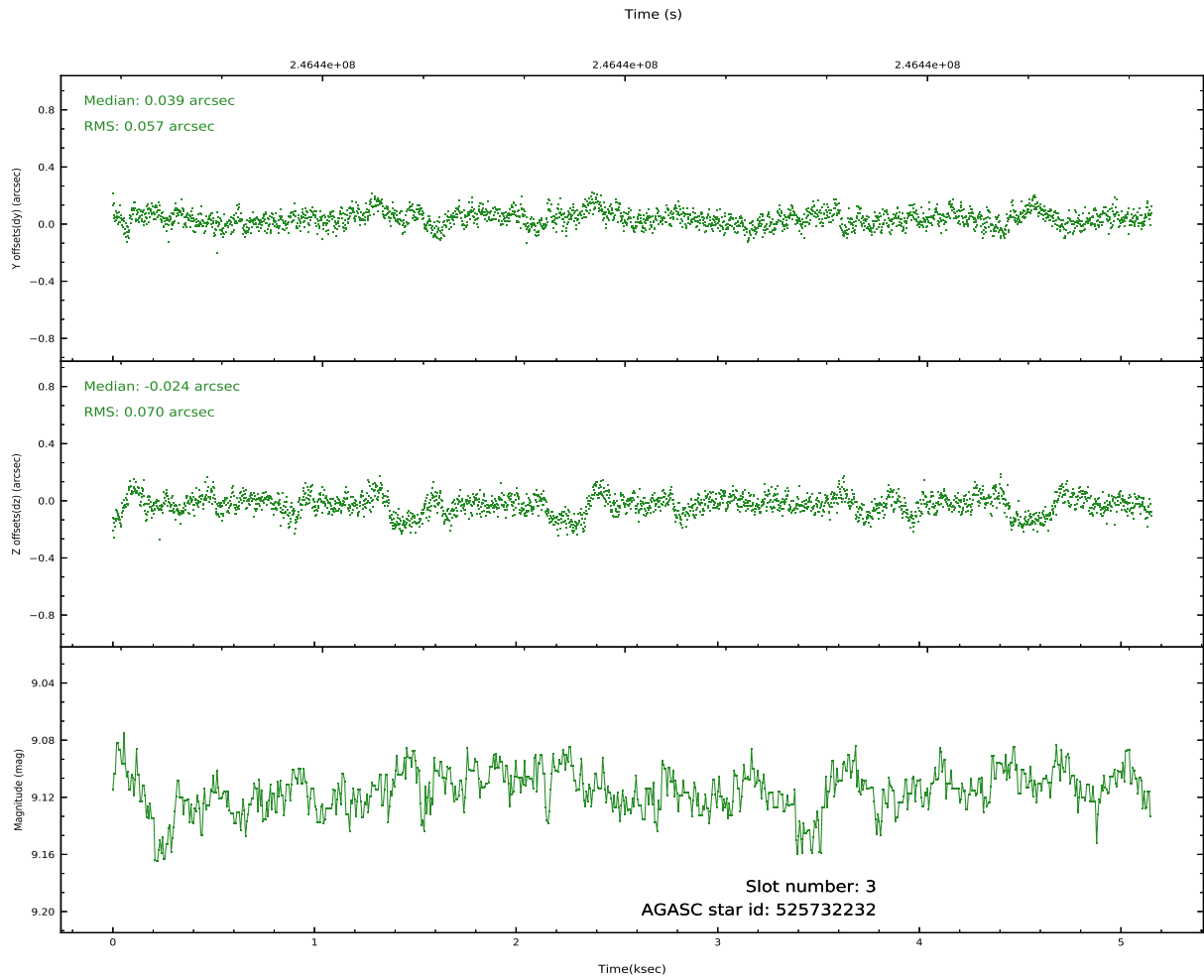
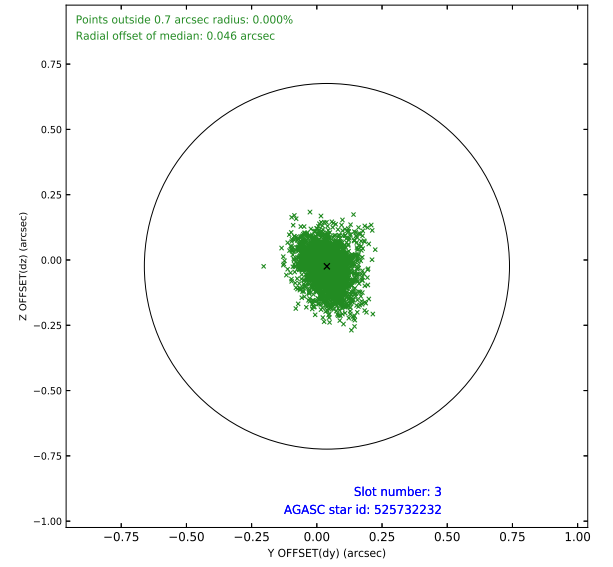
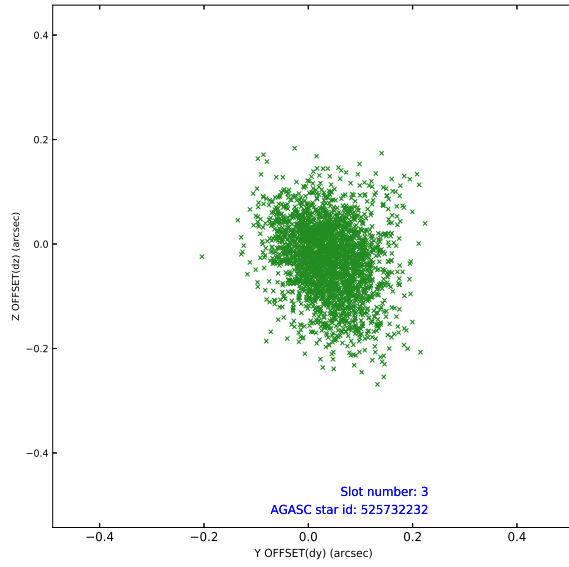


Slot Statistics

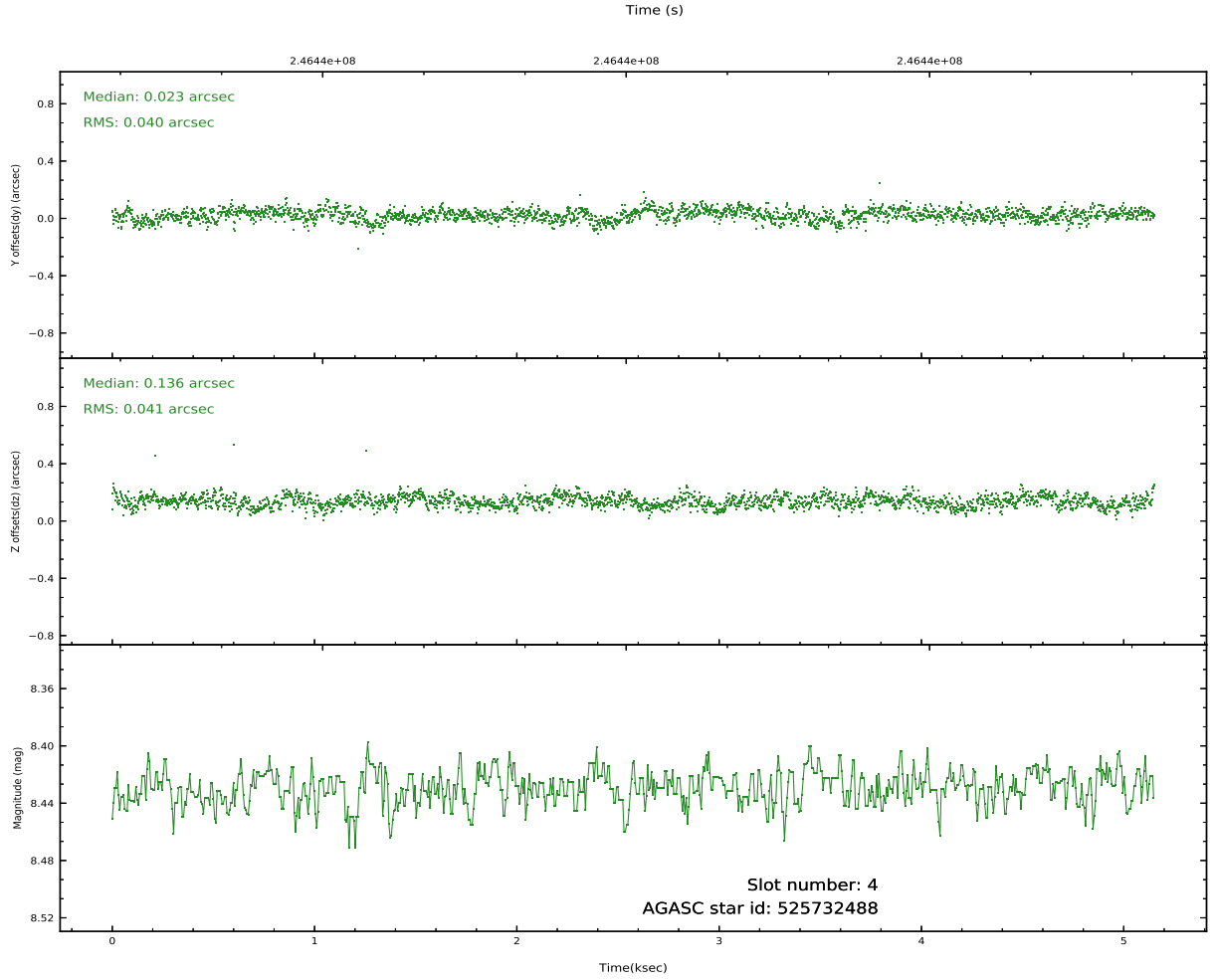
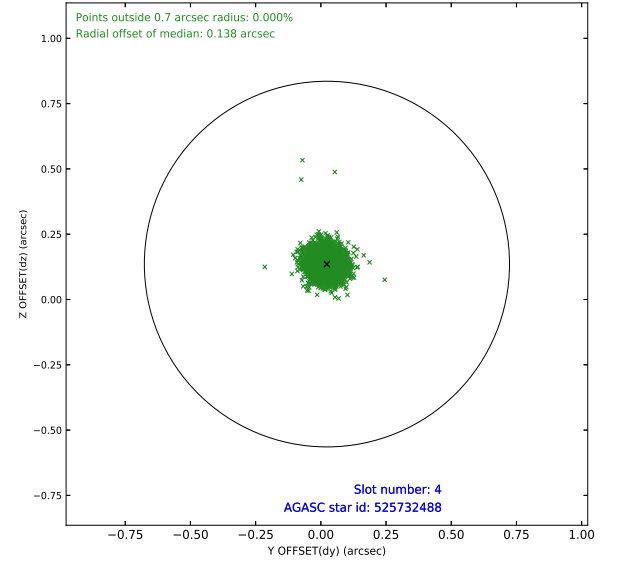
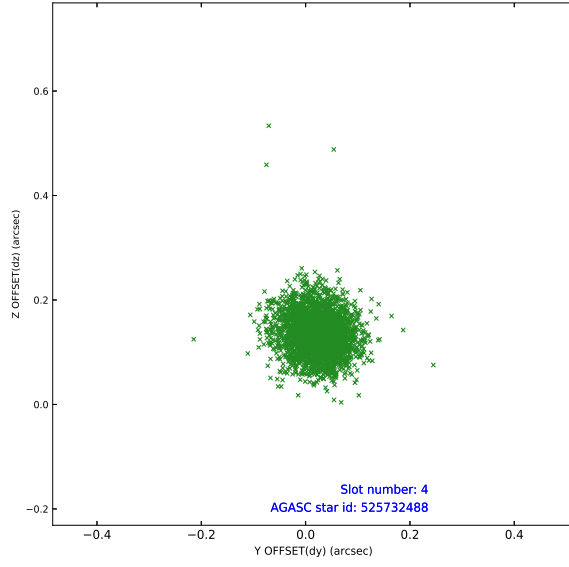
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.04	1257	1.000	0.101	-0.122	0.006	0.010	0.000000	0.000000	848.93	-1297
1	FID		HRC-I-3	7.09	1257	1.000	-0.127	0.044	0.005	0.009	0.000000	0.000000	-1191.74	1007
2	FID		HRC-I-4	7.03	1257	1.000	0.145	-0.009	0.006	0.009	0.000000	0.000000	1278.19	1006
3	GUIDE	used	525732232	9.11	2512	1.000	0.039	-0.024	0.093	0.161	351.669550	58.757012	-839.99	1286
4	GUIDE	used	525732488	8.43	2513	1.000	0.023	0.136	0.060	0.095	350.087090	58.516915	1840.54	-247
5	GUIDE	used	525732528	9.37	2513	1.000	0.032	0.039	0.087	0.138	351.607241	59.298932	-2146.20	-167
6	GUIDE	used	525735456	6.79	2514	1.000	-0.072	-0.091	0.046	0.076	350.628183	59.307249	-915.32	-1478
7	GUIDE	used	525735976	8.86	2513	1.000	-0.022	-0.057	0.070	0.115	350.142956	58.277622	2394.87	419

## 2.4 Star Slots

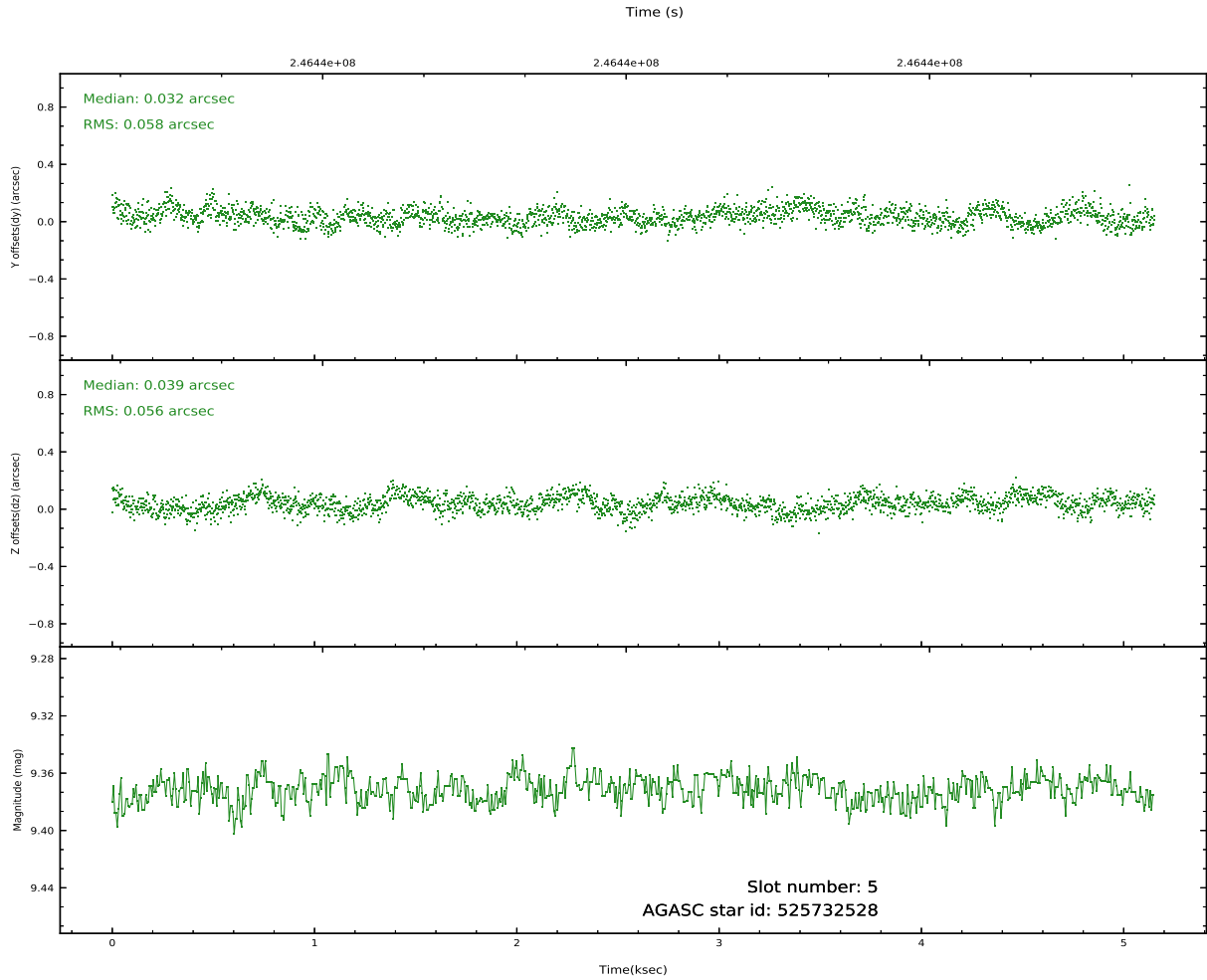
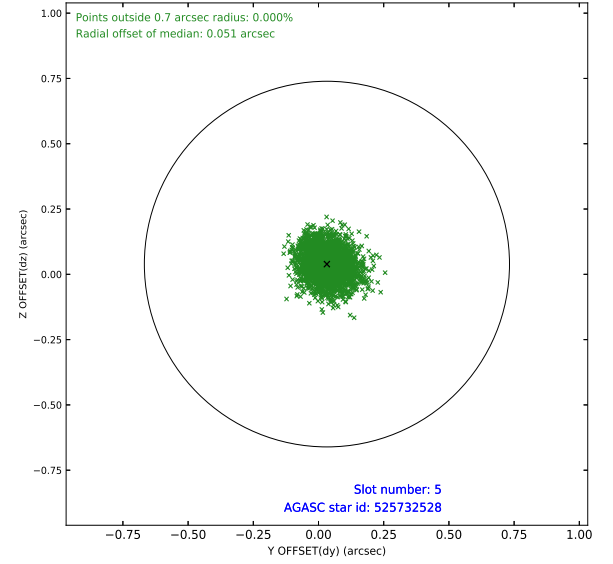
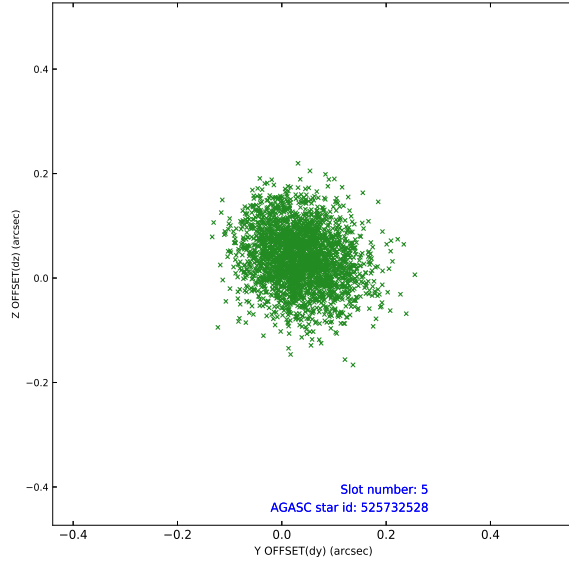
### 2.4.1 Slot 3



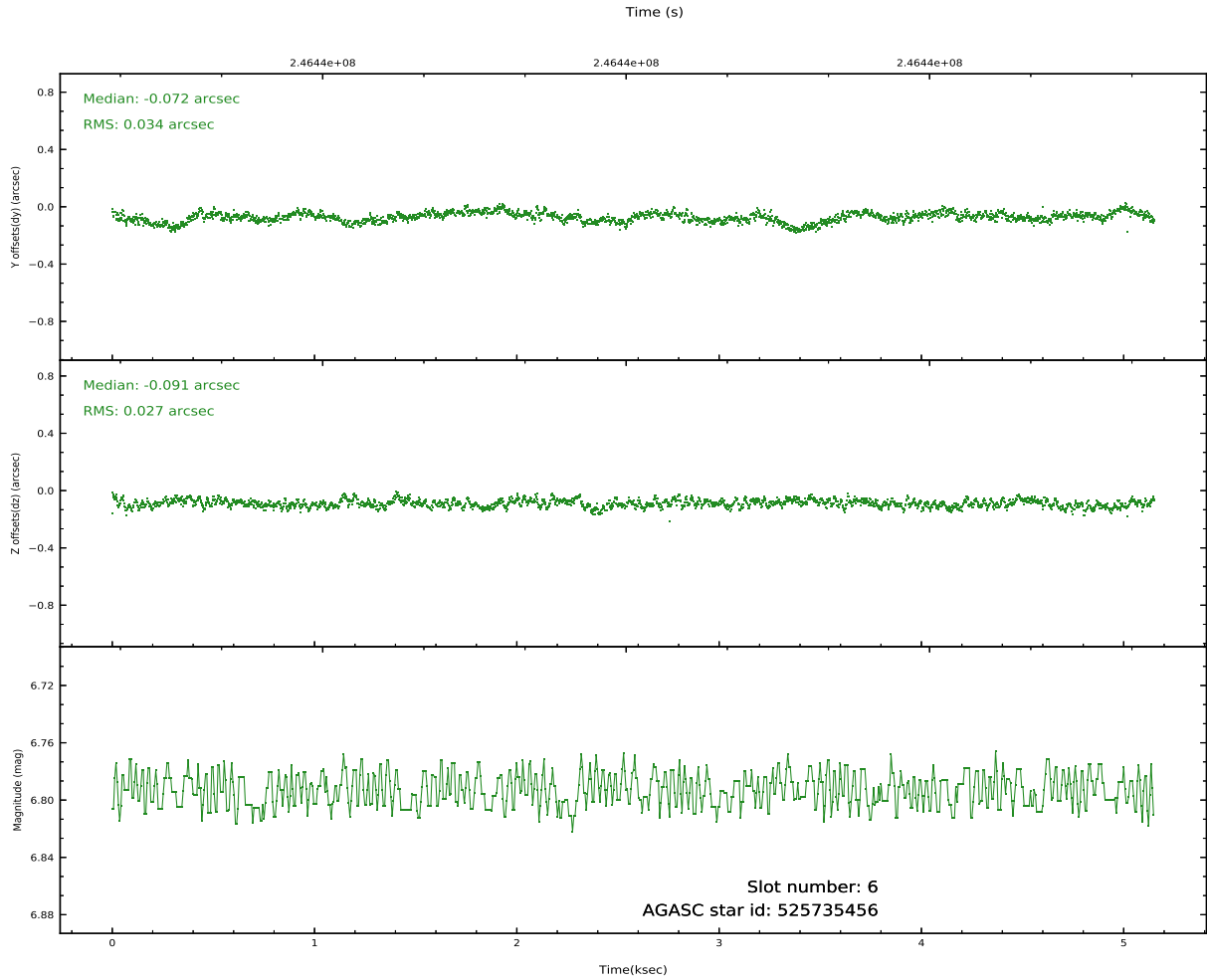
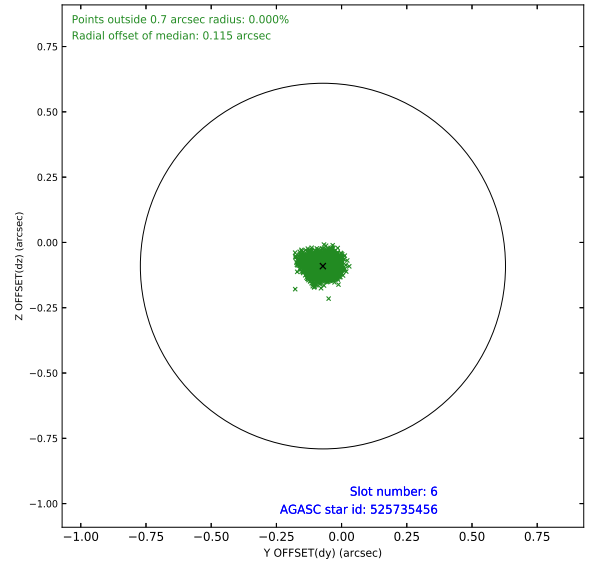
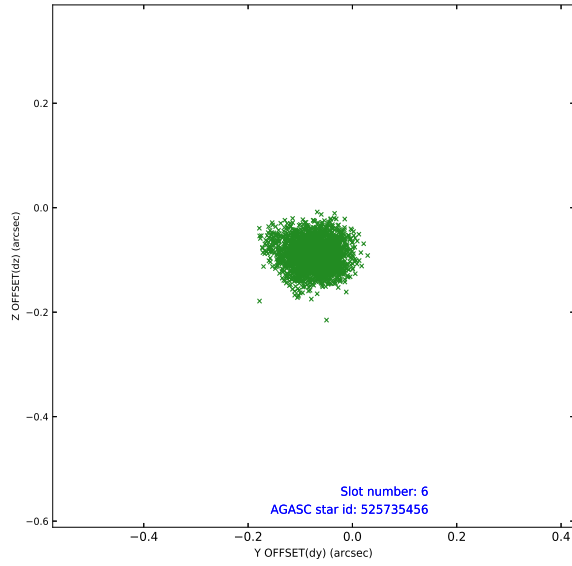
## 2.4.2 Slot 4



### 2.4.3 Slot 5

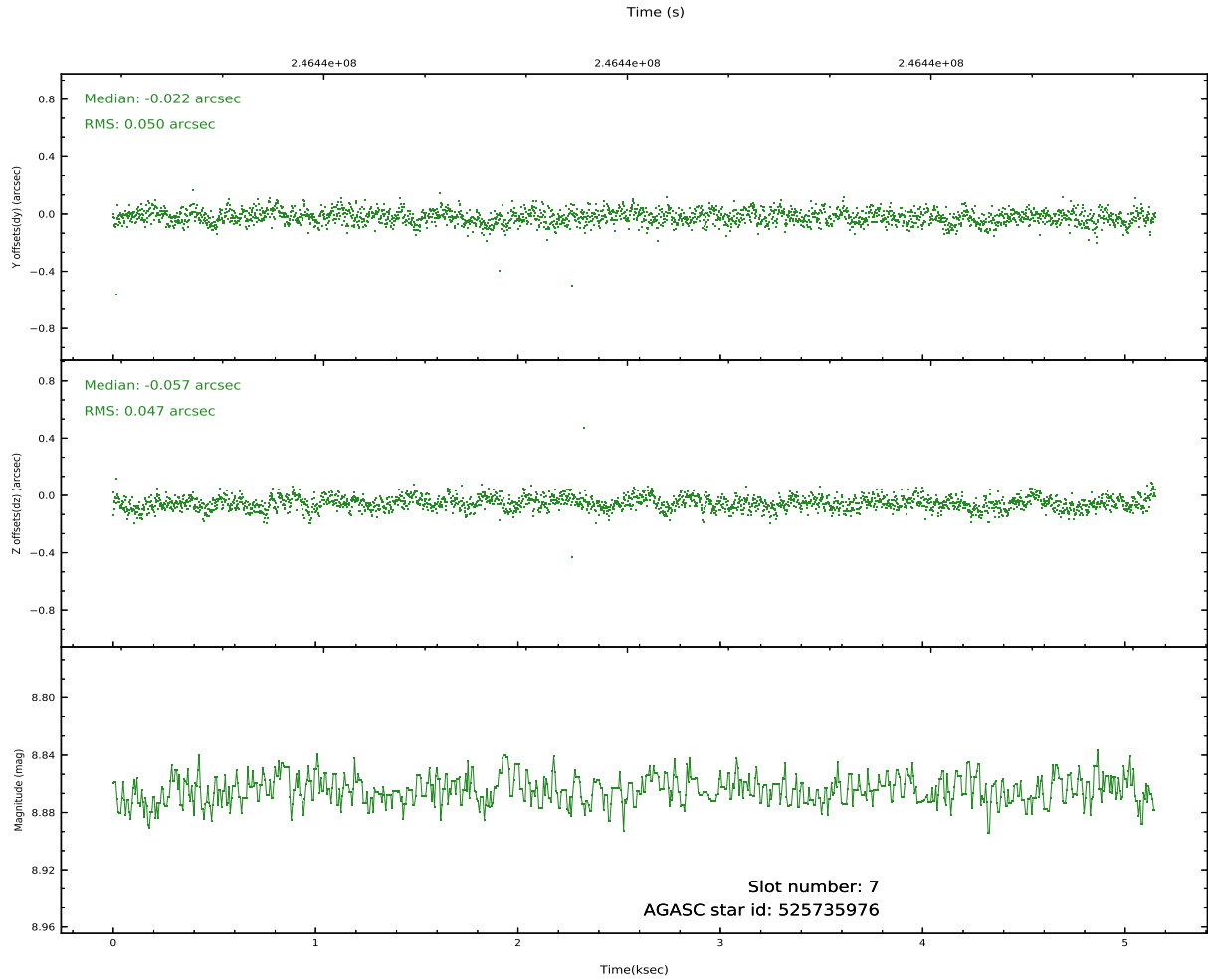
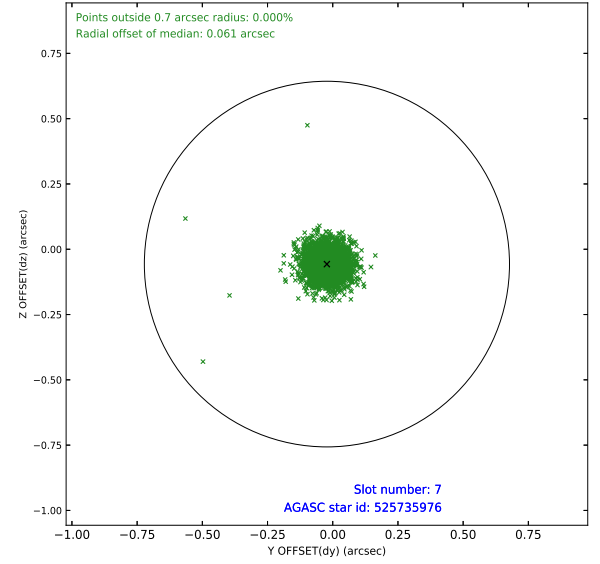
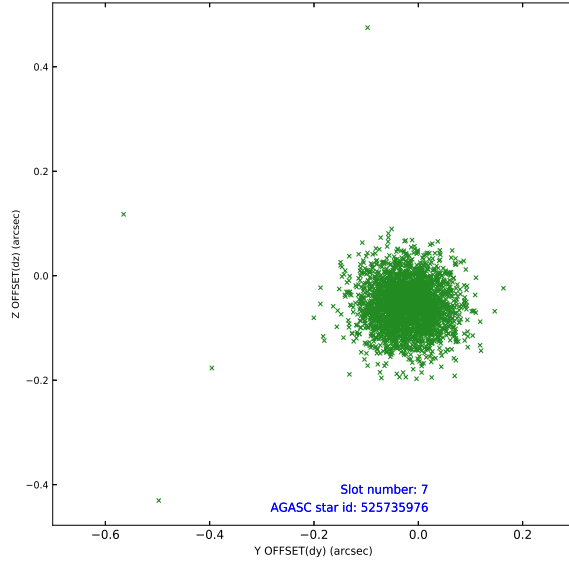


## 2.4.4 Slot 6



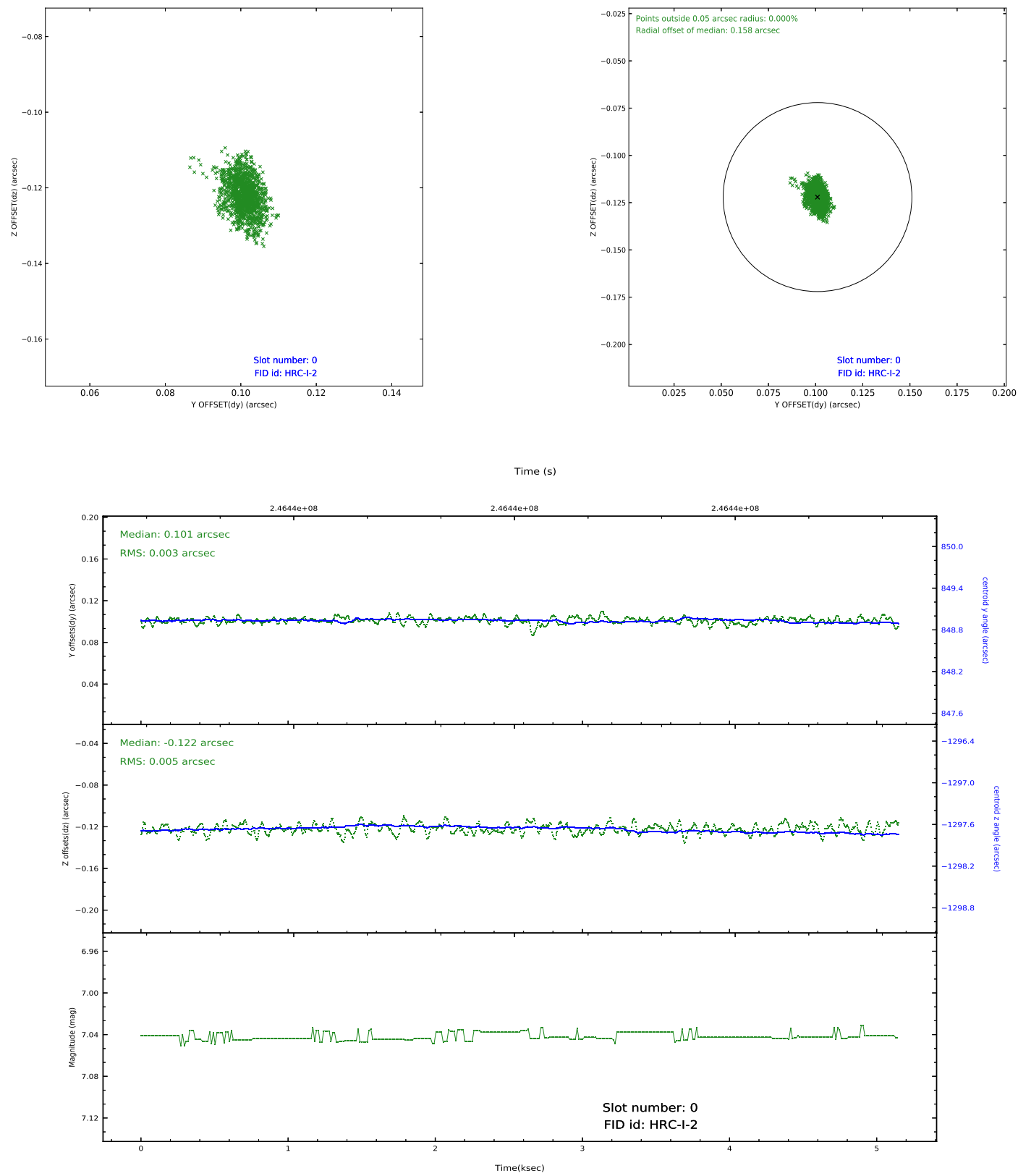


## 2.4.5 Slot 7

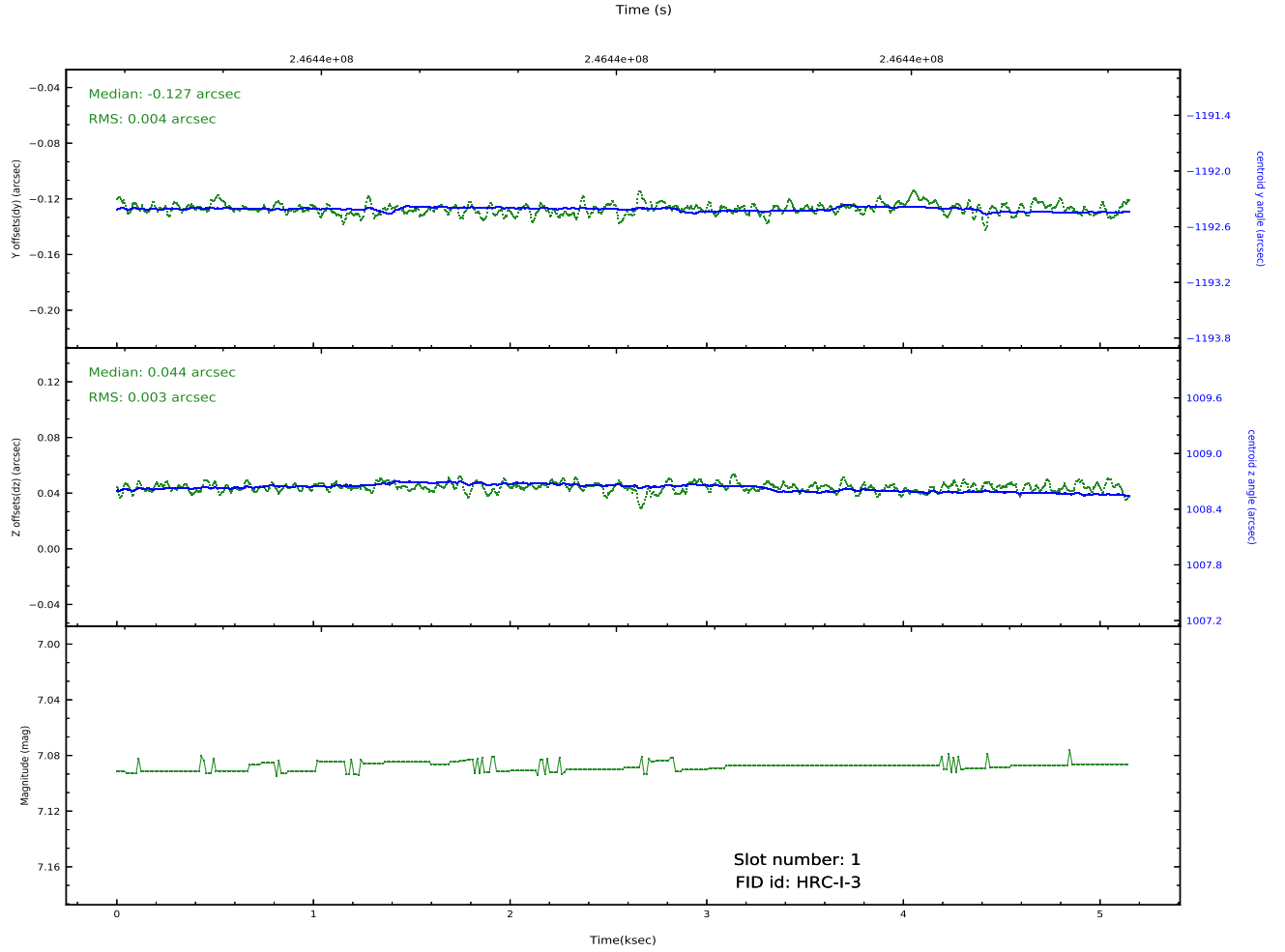
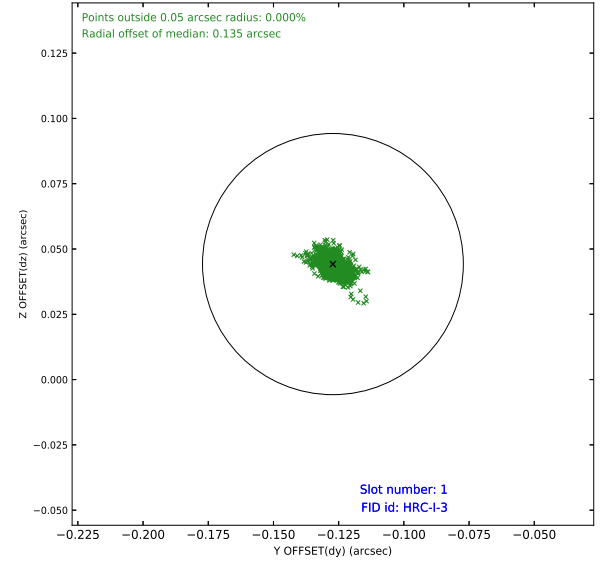
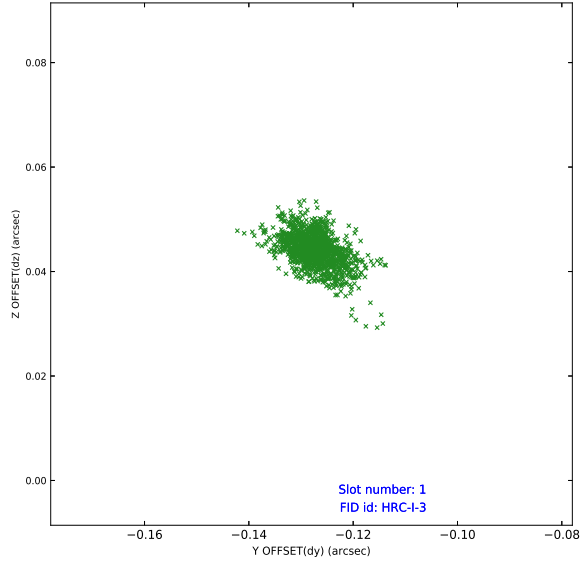


# 2.5 FID Slots

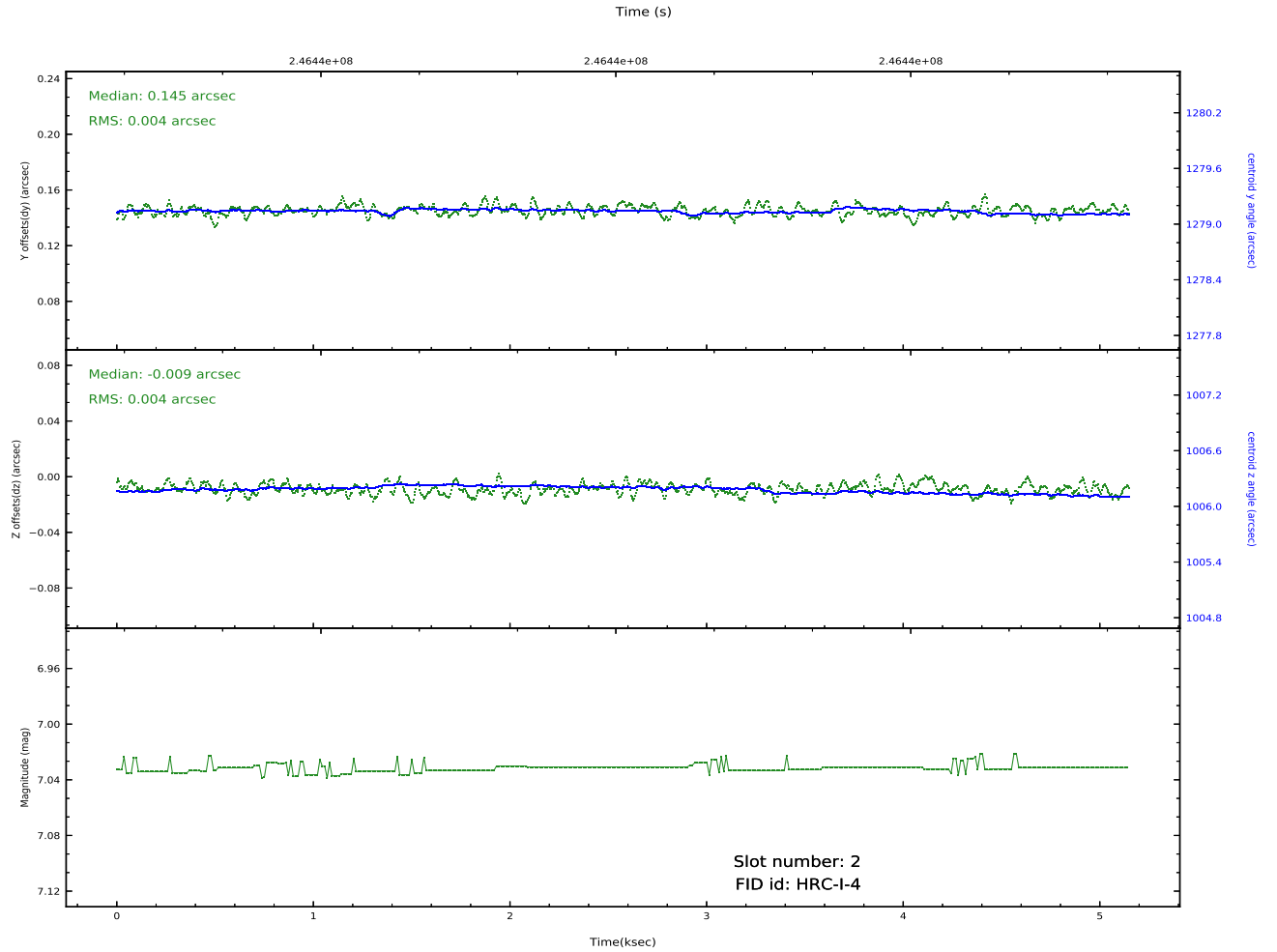
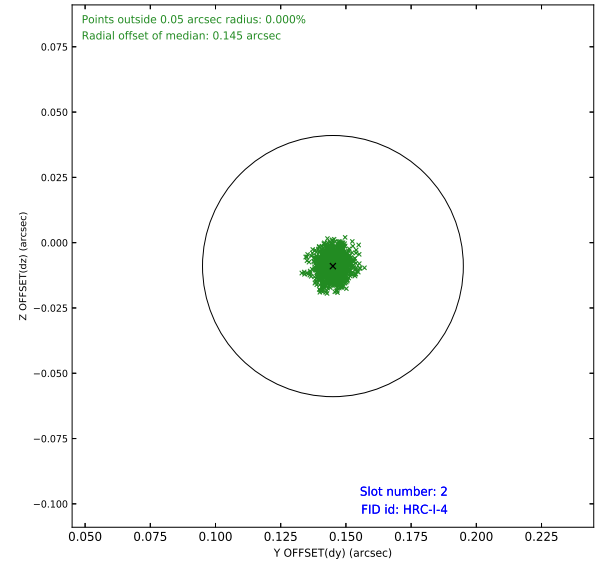
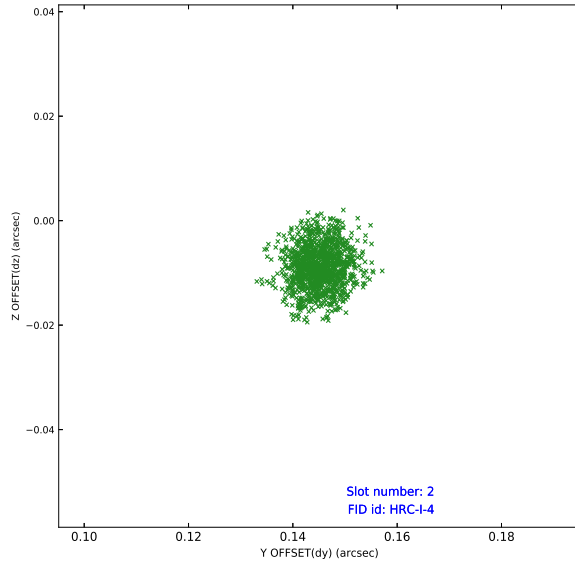
## 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.149856

### A.2 Comments

Window constraint met.