

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6196 - L2 Version 5  
Chandra X-Ray Center

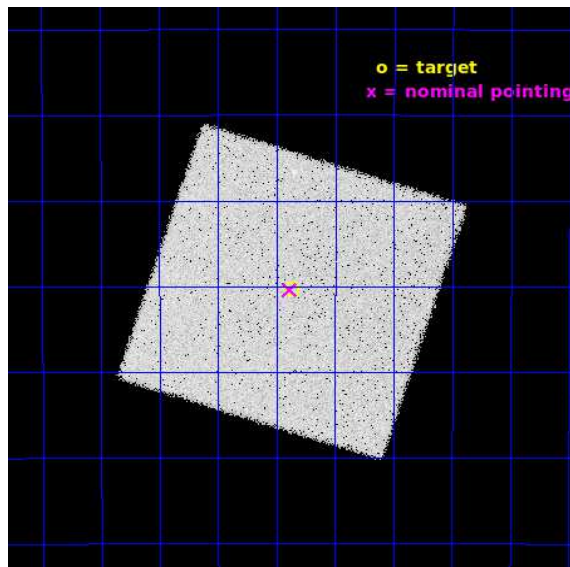
L2 Processing Date : Oct 8 2020

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Parameters . . . . .	4
2.1.3	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

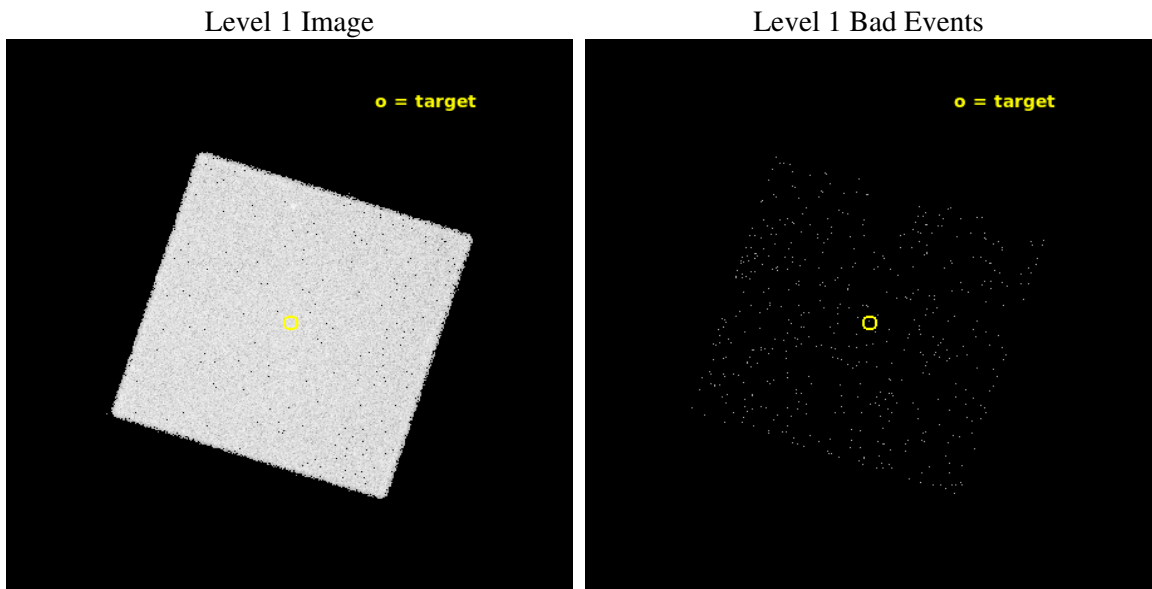
seq_num	400456	Sequence number
obs_id	6196	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Rudy Wijnands	Principal investigator
object	Galactic Center Survey	Source name
ra_targ	265.967083	Observer's specified target RA [deg]
dec_targ	-29.006389	Observer's specified target Dec [deg]
ra_nom	265.97147737098	Nominal RA [deg]
dec_nom	-29.006549987486	Nominal Dec [deg]
roll_nom	62.873656242203	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5181.6314864755	[s]
livetime	5145.1797643421	Ontime multiplied by DTCOR
l2events	194414	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	5181.6314864755	[s]
caldsver	4.9.2	&#160	l1events	310558	Number of level 1 events
date	2020-10-08T18:26:33	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	310558
rejected events	20625
rejected %	6%

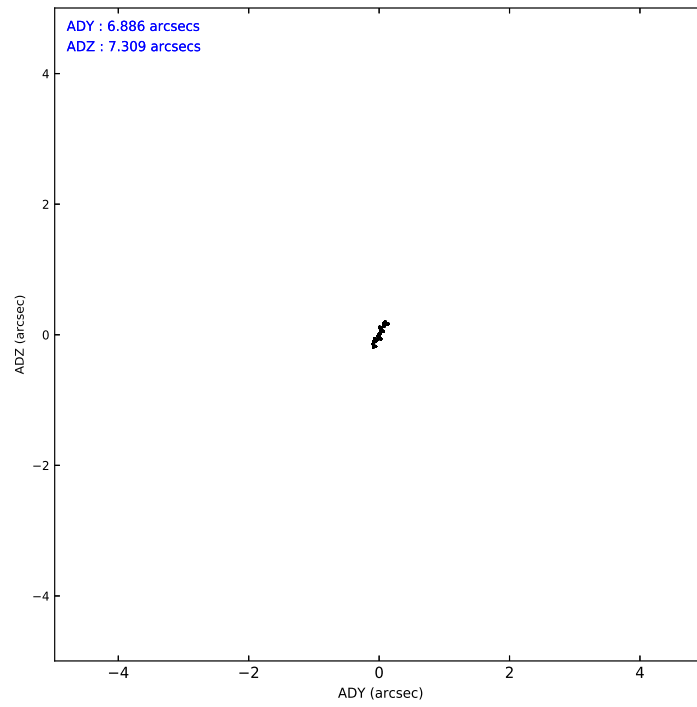
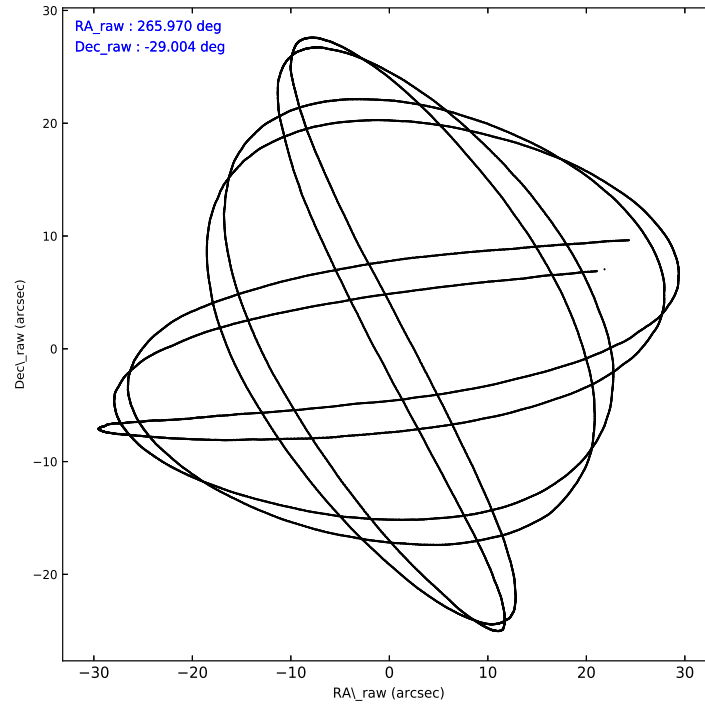


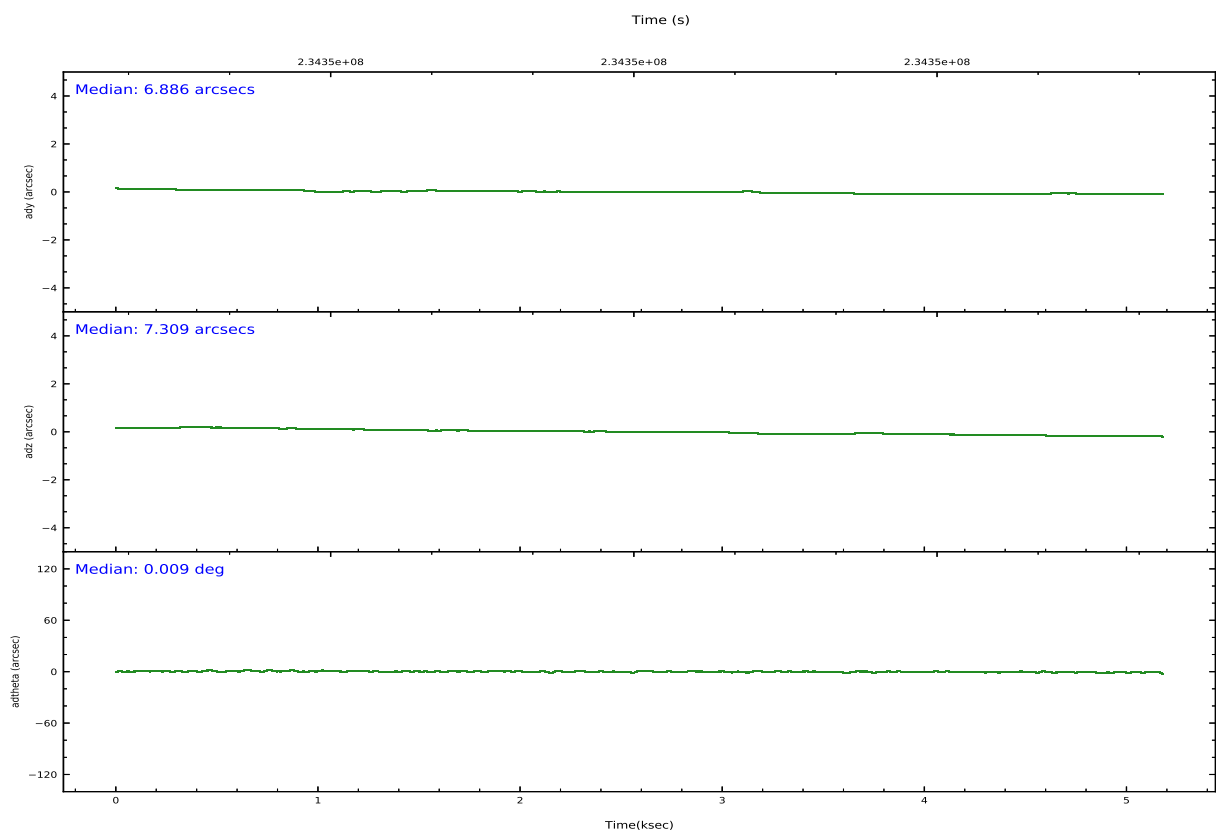
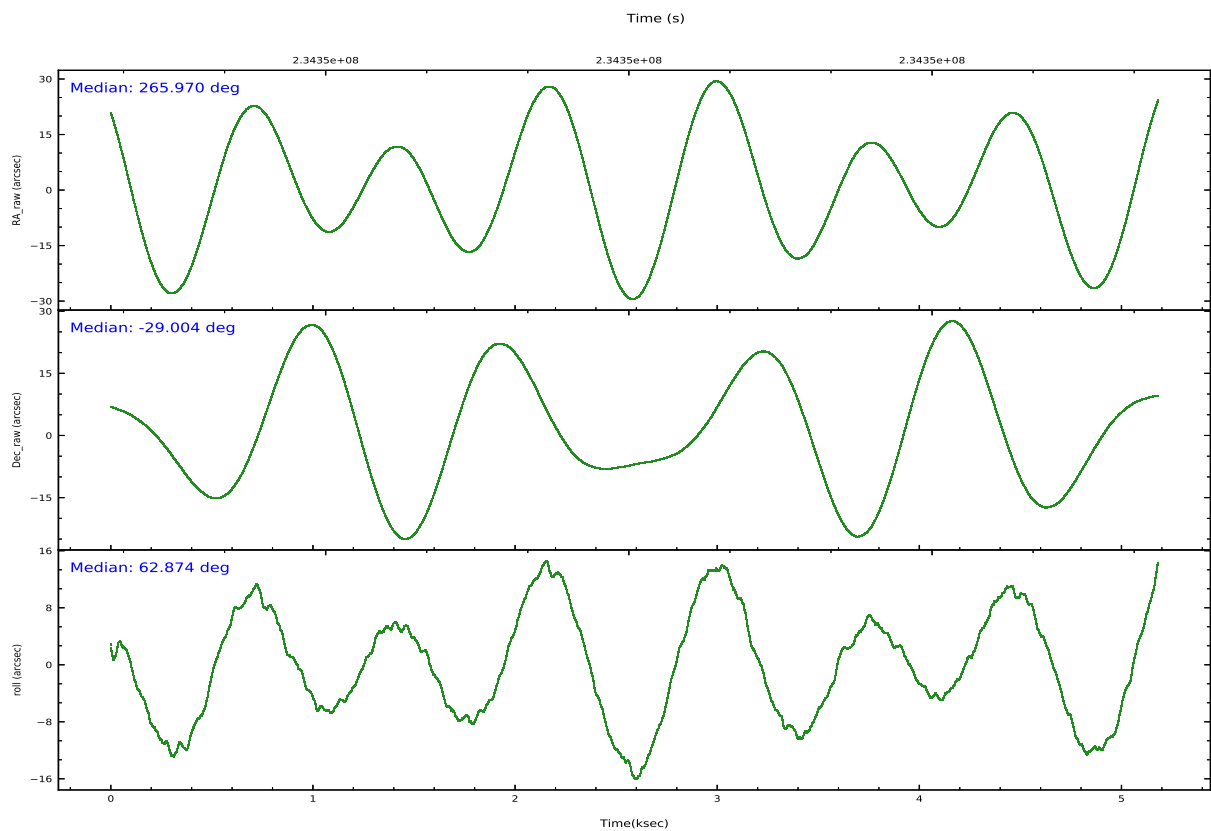
## 2.2 Compared Parameters

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	265.973004	265.97147737098
[deg] Pointing Dec	-29.030732	-29.006549987486
[deg] Pointing Roll	62.982927	62.873656242203
[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)	234346618.184000	234346204.52073
Observation start date	2005-06-05T08:15:54	2005-06-05T08:10:04
[s] Observation end time (MET)	234351618.184000	234351752.33349
Observation end date	2005-06-05T09:39:14	2005-06-05T09:42:32

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

## 2.3 Aspect



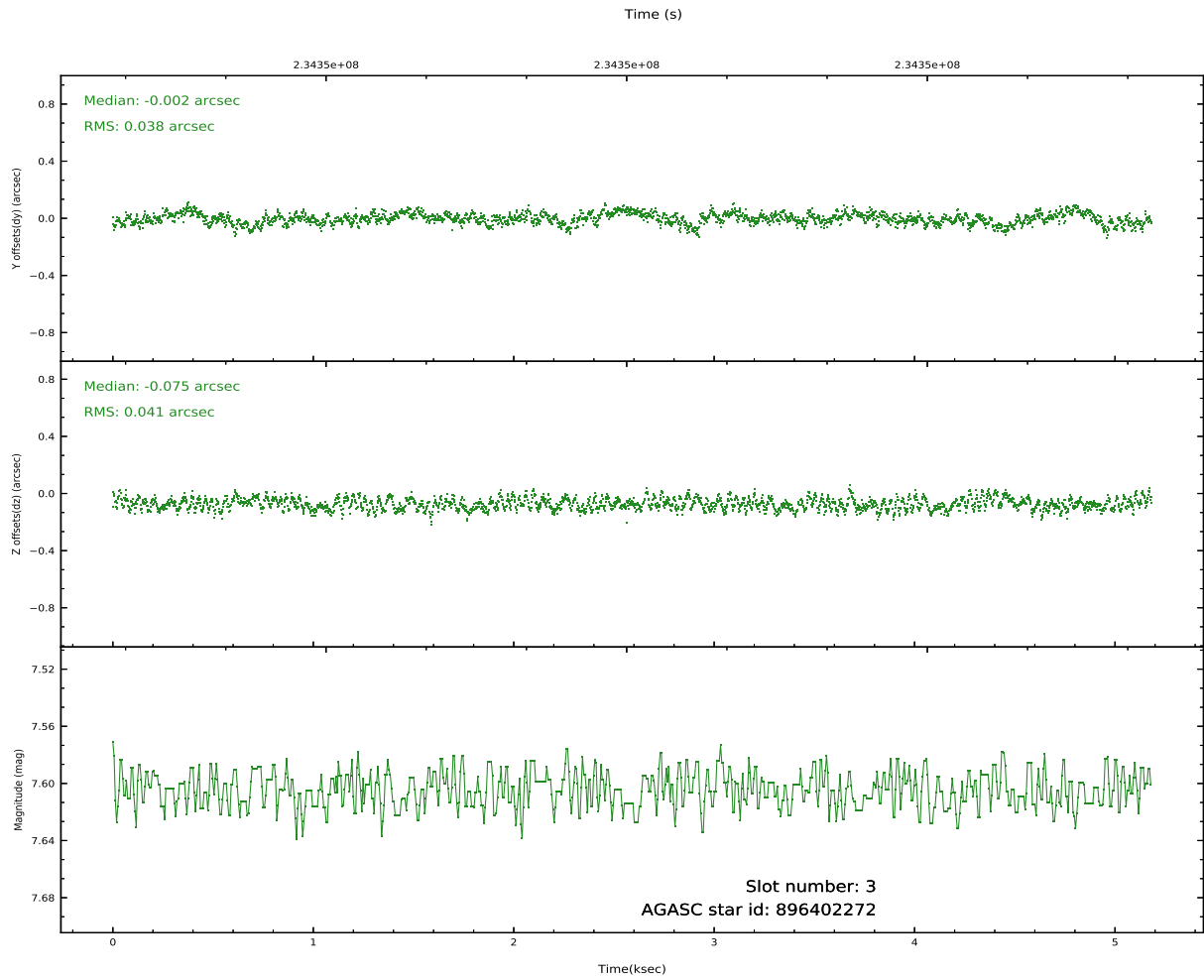
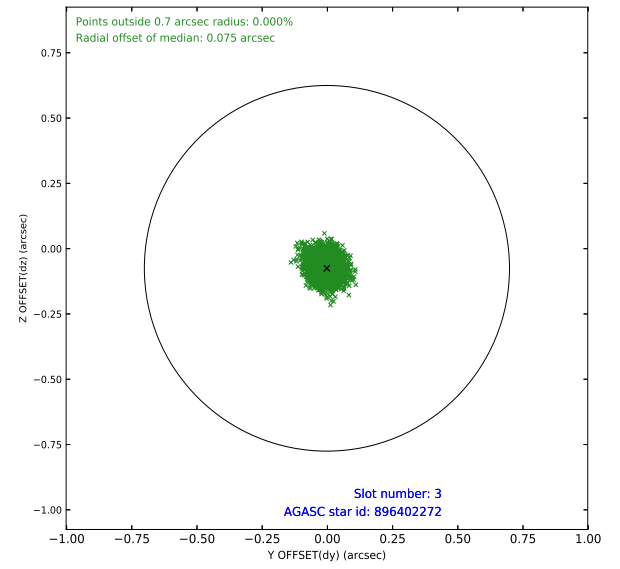
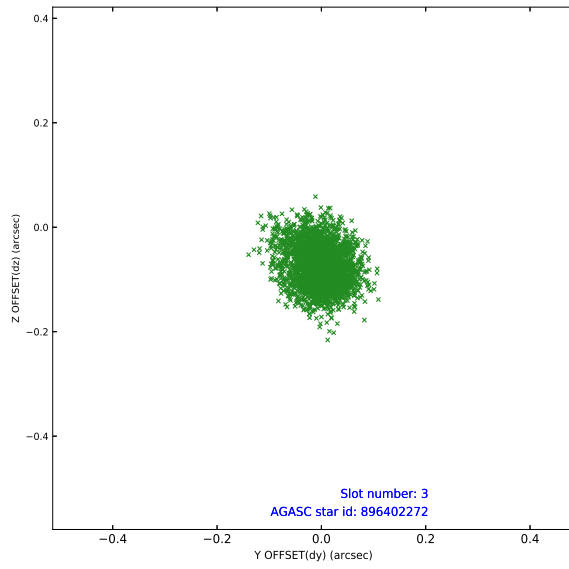


Slot Statistics

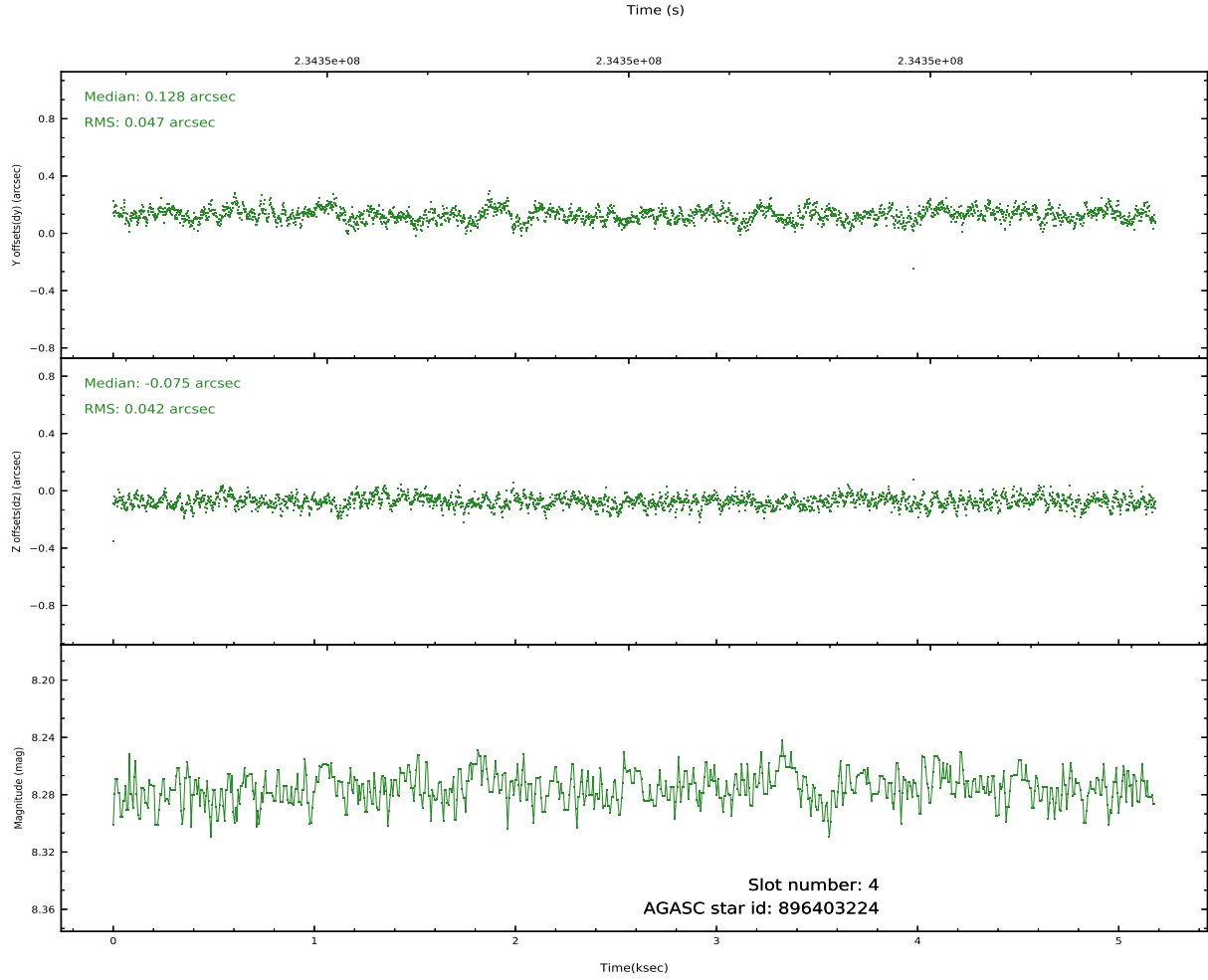
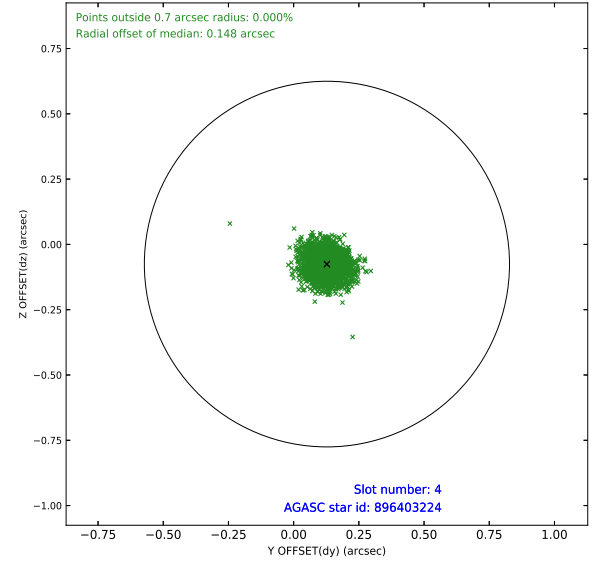
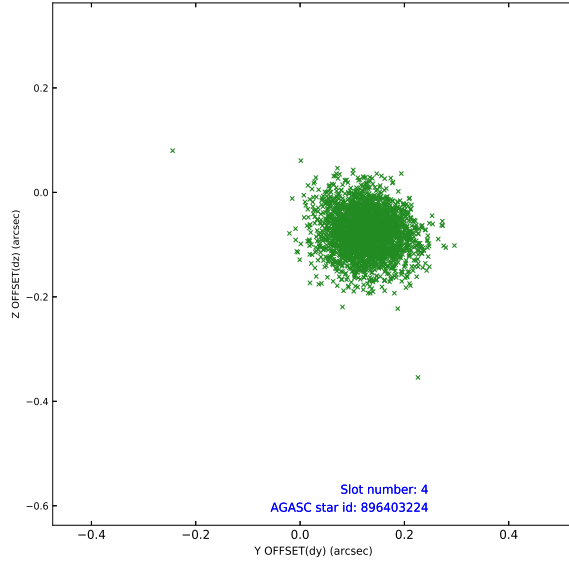
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	1264	1.000	-0.002	-0.003	0.009	0.014	0.000000	0.000000	-762.47	-1295
1	FID		HRC-I-2	7.03	1264	1.000	0.134	-0.096	0.009	0.016	0.000000	0.000000	849.70	-1297
2	FID		HRC-I-3	7.08	1264	1.000	-0.013	0.011	0.008	0.012	0.000000	0.000000	-1190.29	1008
3	GUIDE	used	896402272	7.60	2529	1.000	-0.002	-0.075	0.060	0.095	265.637294	-28.313189	1817.54	2119
4	GUIDE	used	896403224	8.28	2529	1.000	0.128	-0.075	0.065	0.109	265.612825	-29.438915	-1821.84	337
5	GUIDE	used	896404568	7.85	2529	1.000	-0.074	-0.090	0.064	0.101	265.687293	-28.431080	1511.46	1785
6	GUIDE	used	896537176	8.04	2529	1.000	0.015	0.170	0.058	0.094	266.498272	-28.678259	1882.41	-903
7	GUIDE	used	896541168	8.15	2528	1.000	-0.067	0.069	0.070	0.107	266.319970	-29.850801	-2137.69	-2308

## 2.4 Star Slots

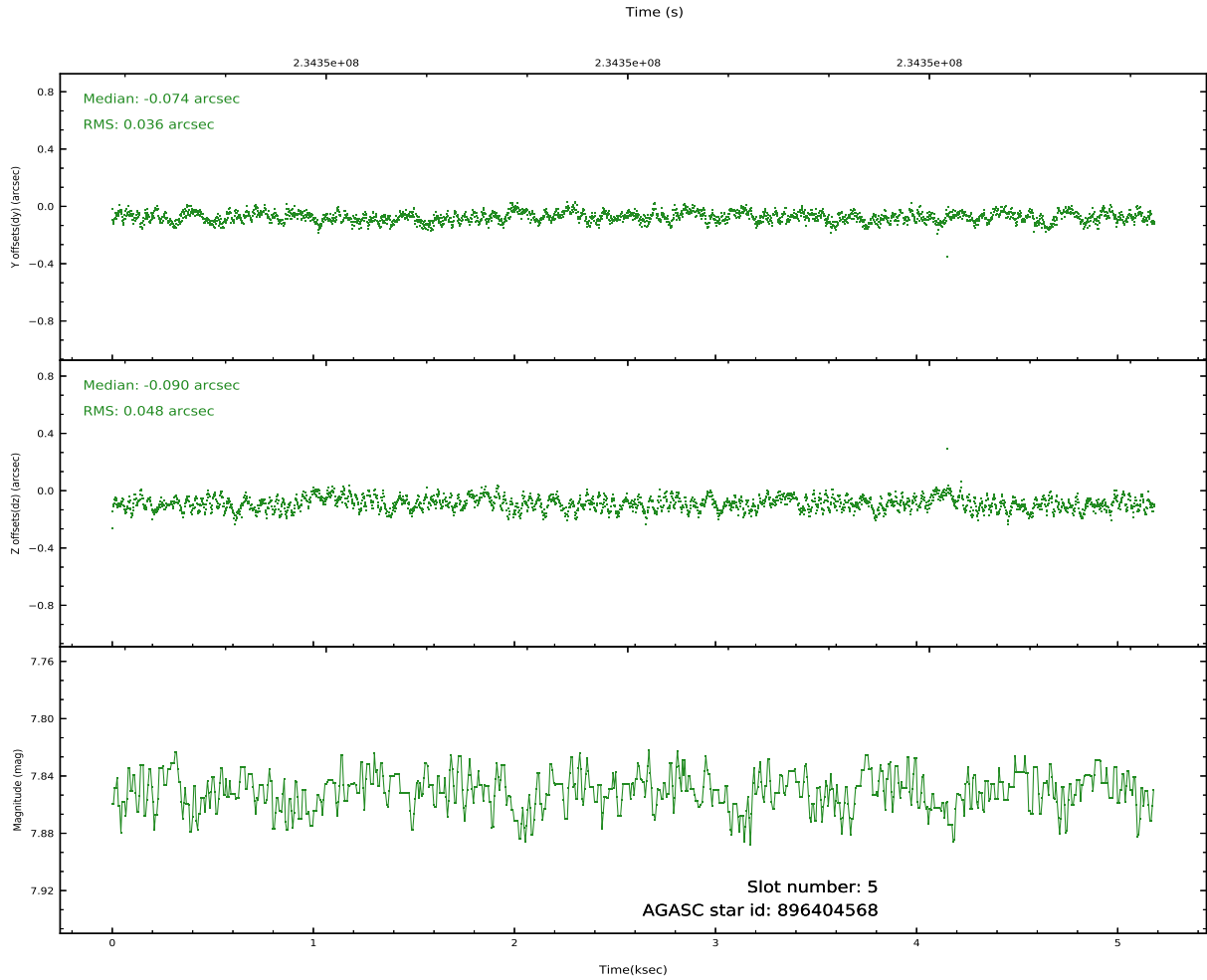
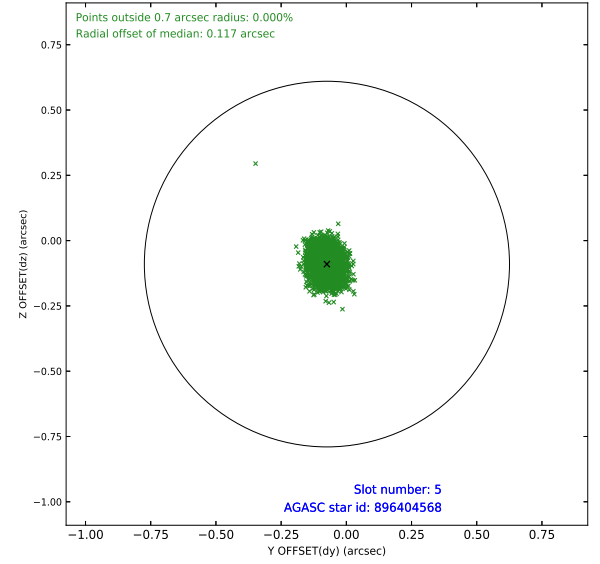
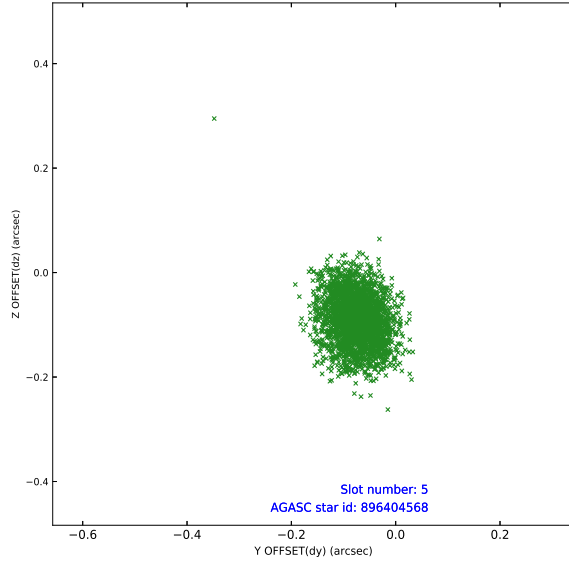
### 2.4.1 Slot 3



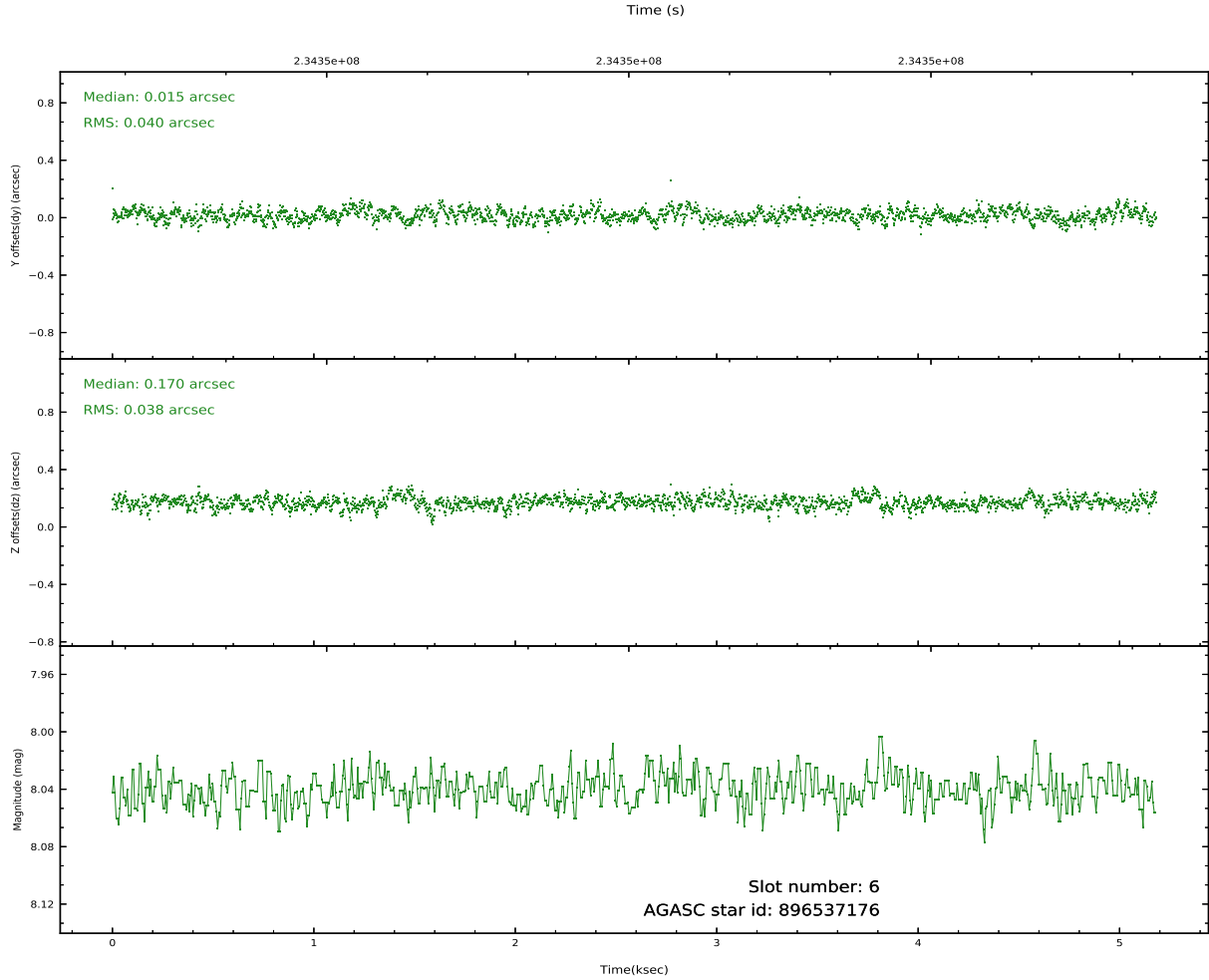
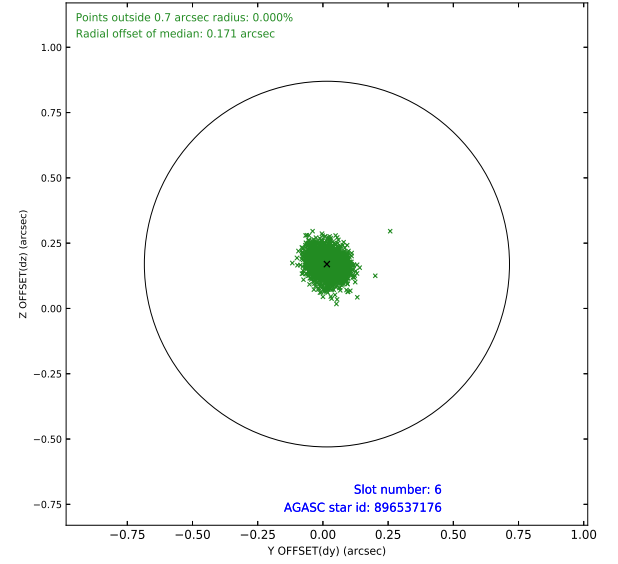
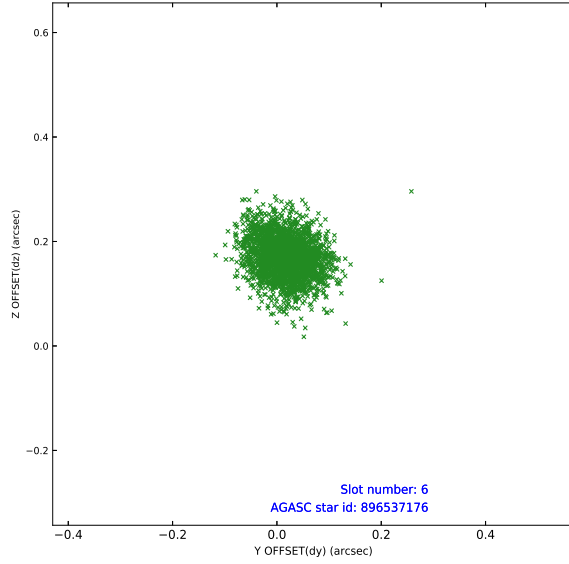
## 2.4.2 Slot 4



### 2.4.3 Slot 5

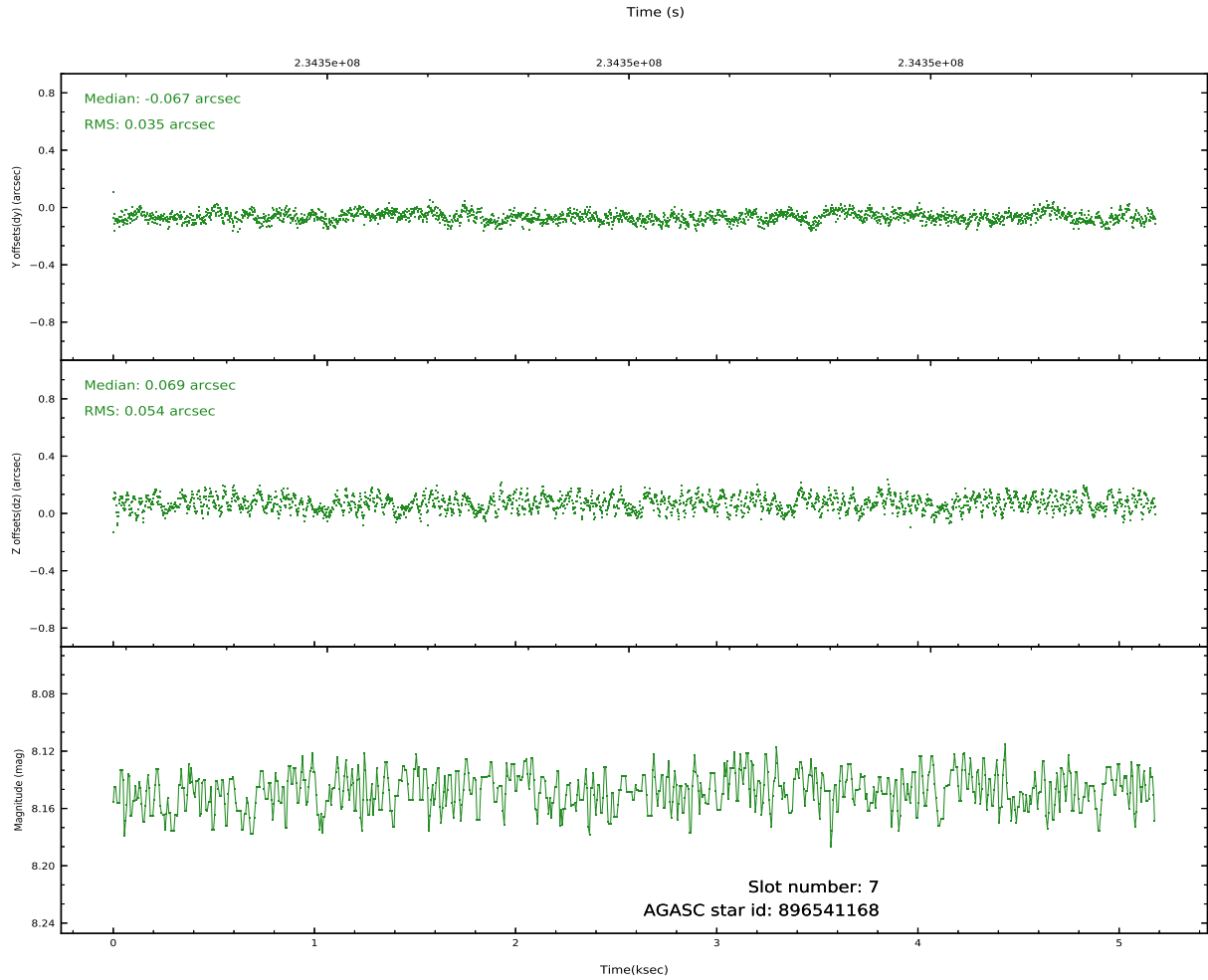
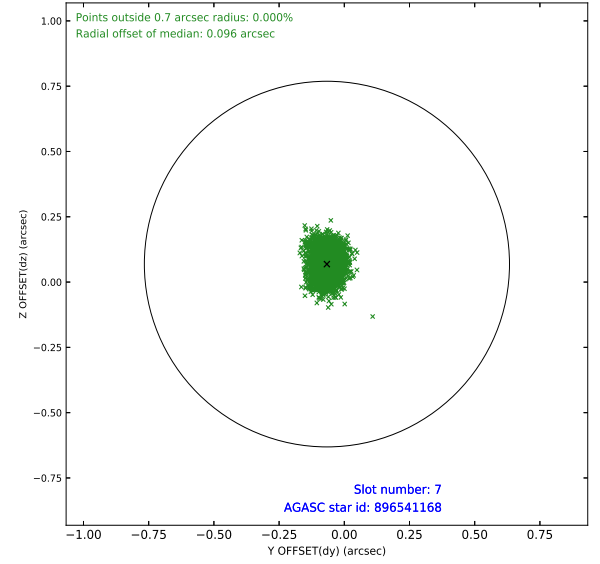
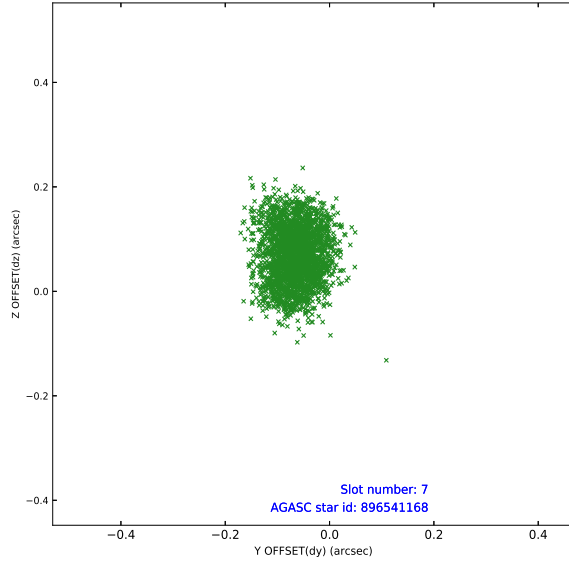


## 2.4.4 Slot 6



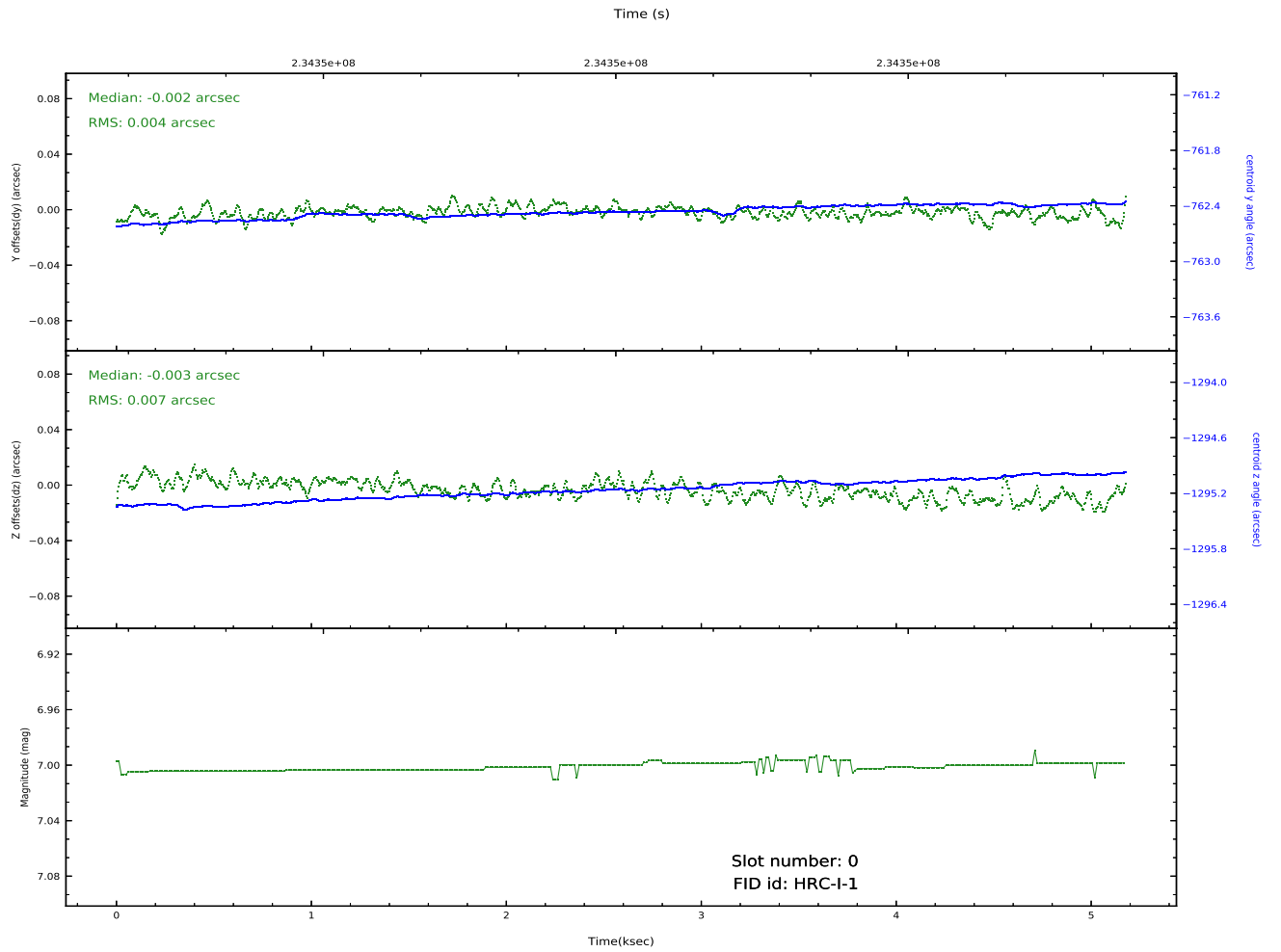
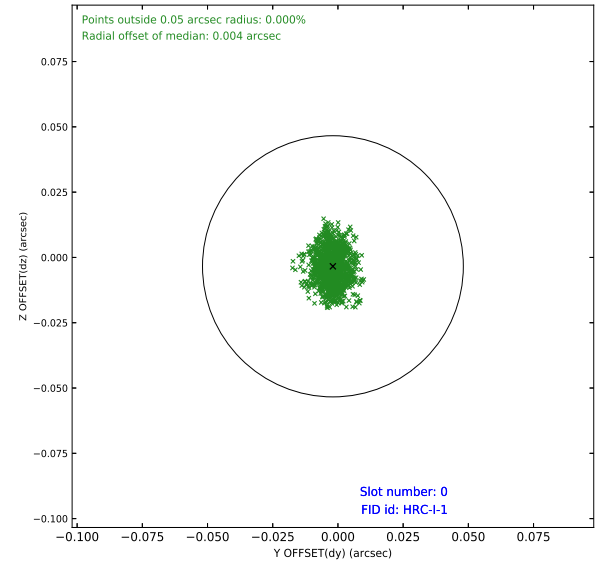
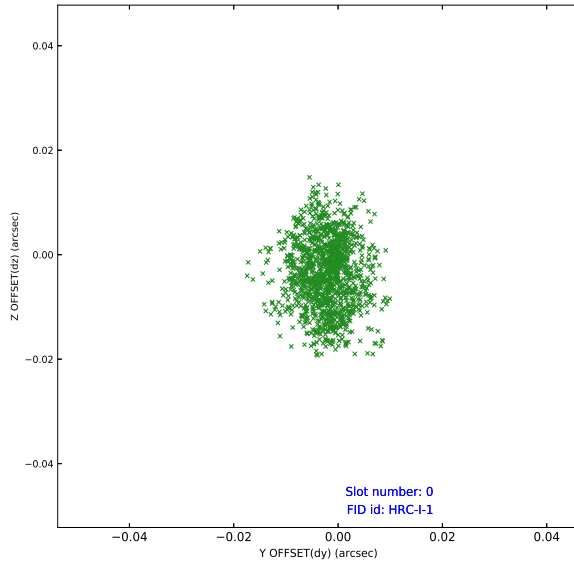


## 2.4.5 Slot 7

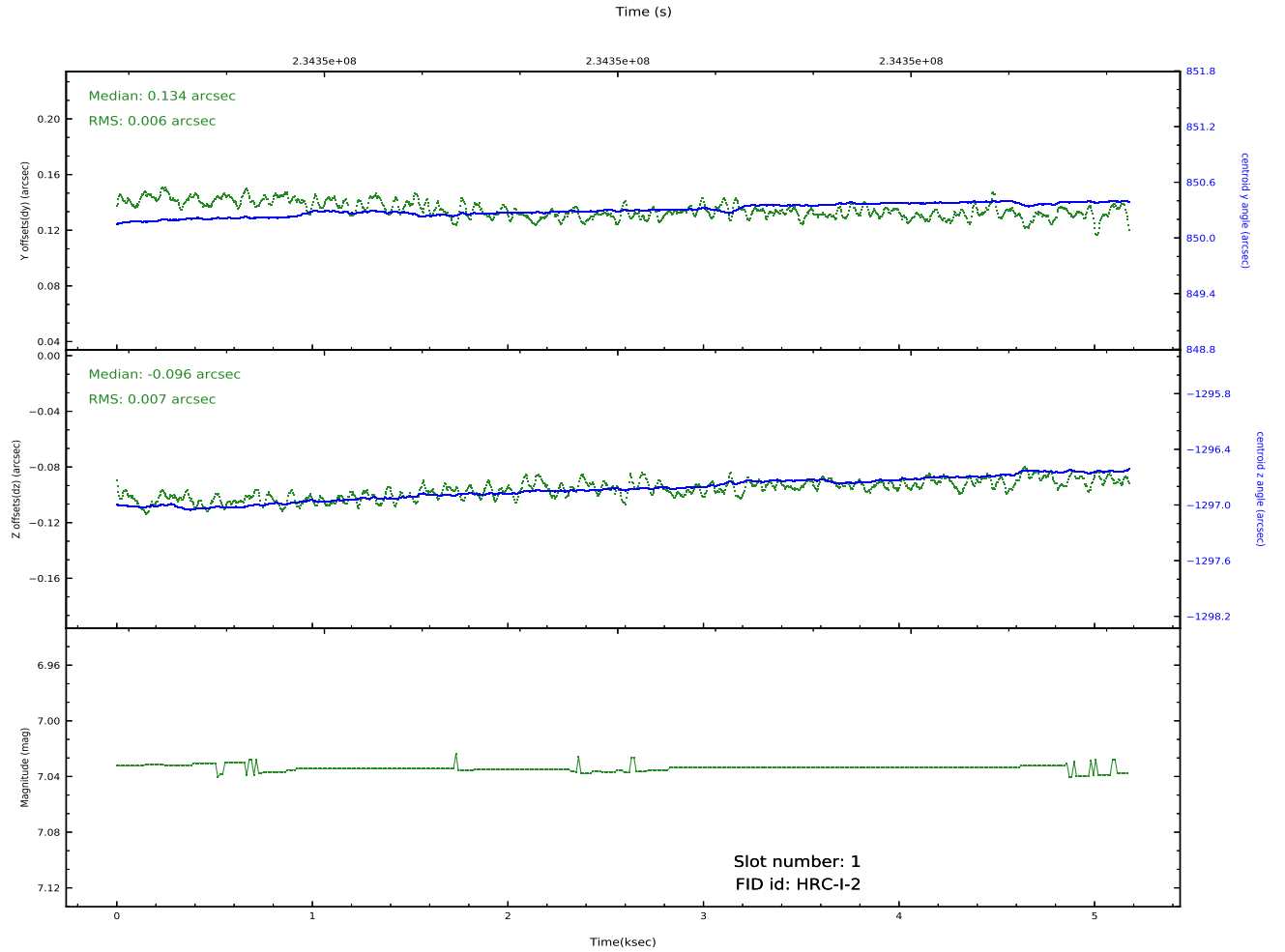
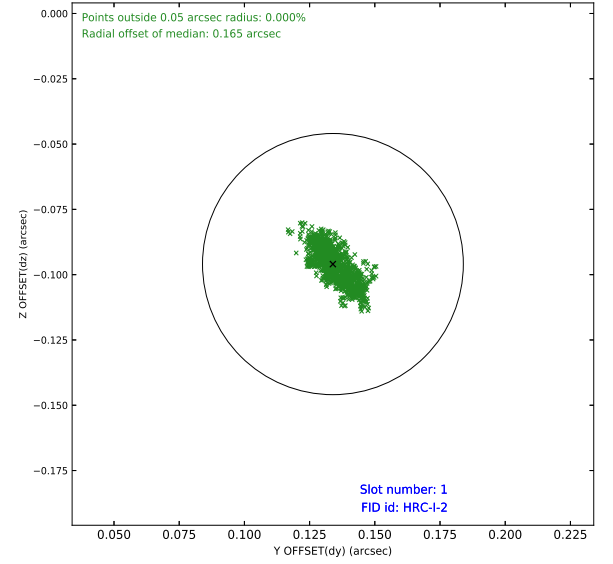
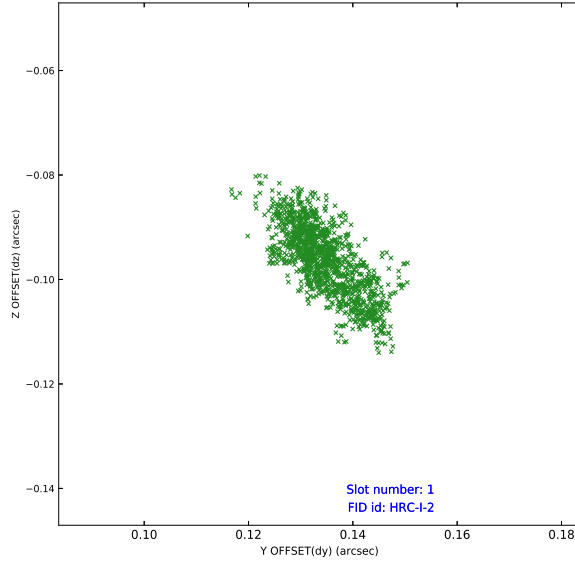


## 2.5 FID Slots

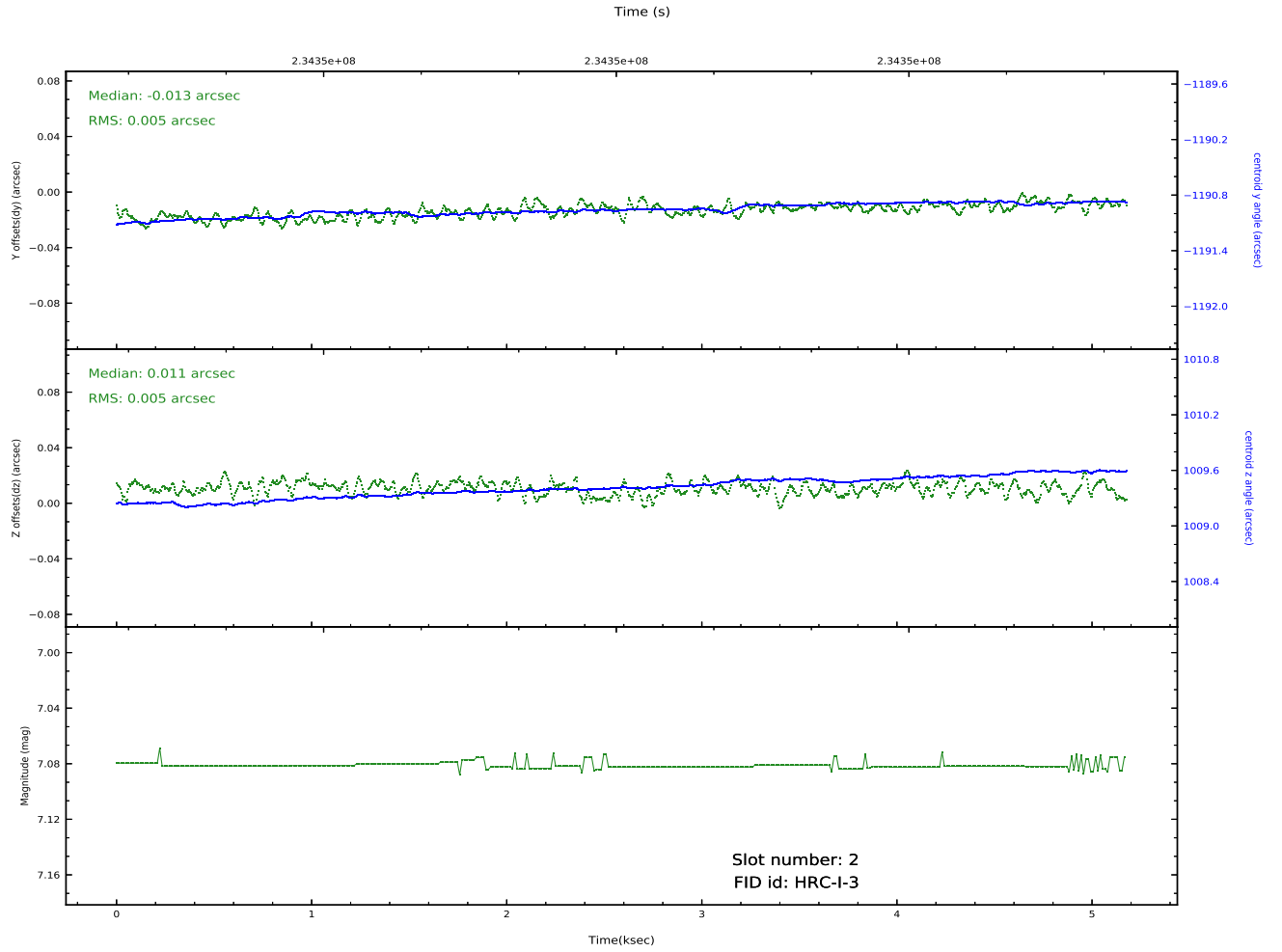
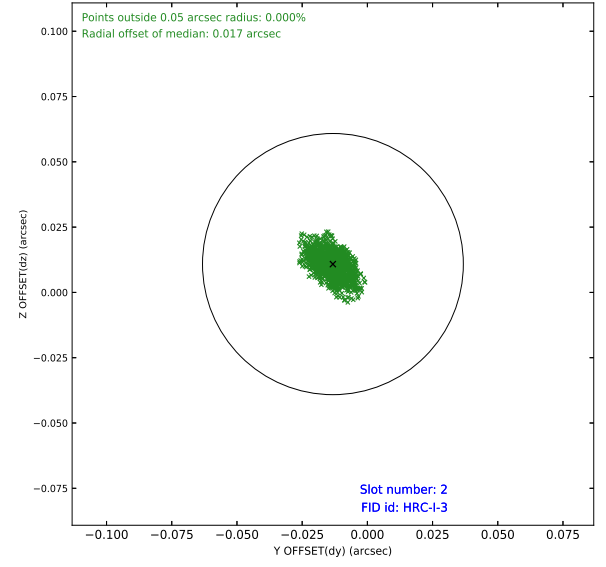
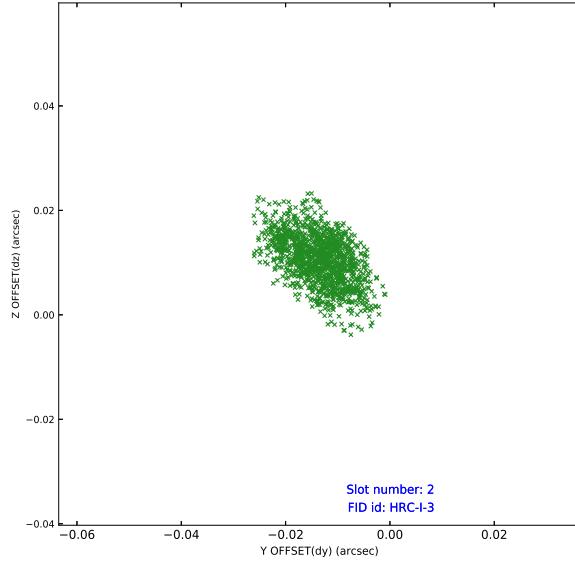
### 2.5.1 Slot 0



## 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)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.181375

## A.2 Comments

Joint Proposal: CXO-XMM