

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6190 - L2 Version 5  
Chandra X-Ray Center

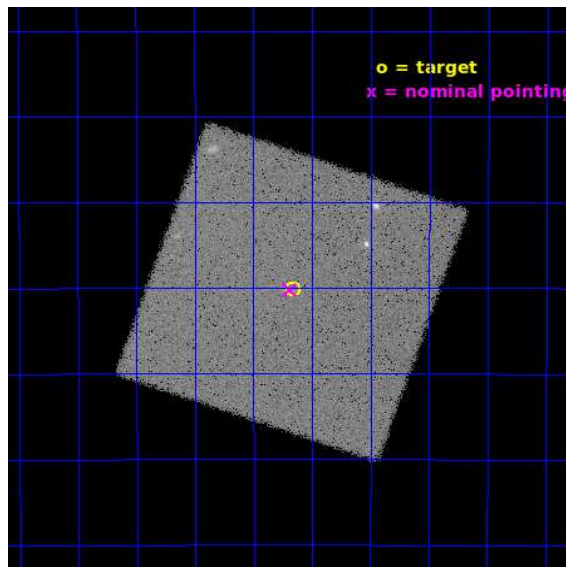
L2 Processing Date : Oct 8 2020

## 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

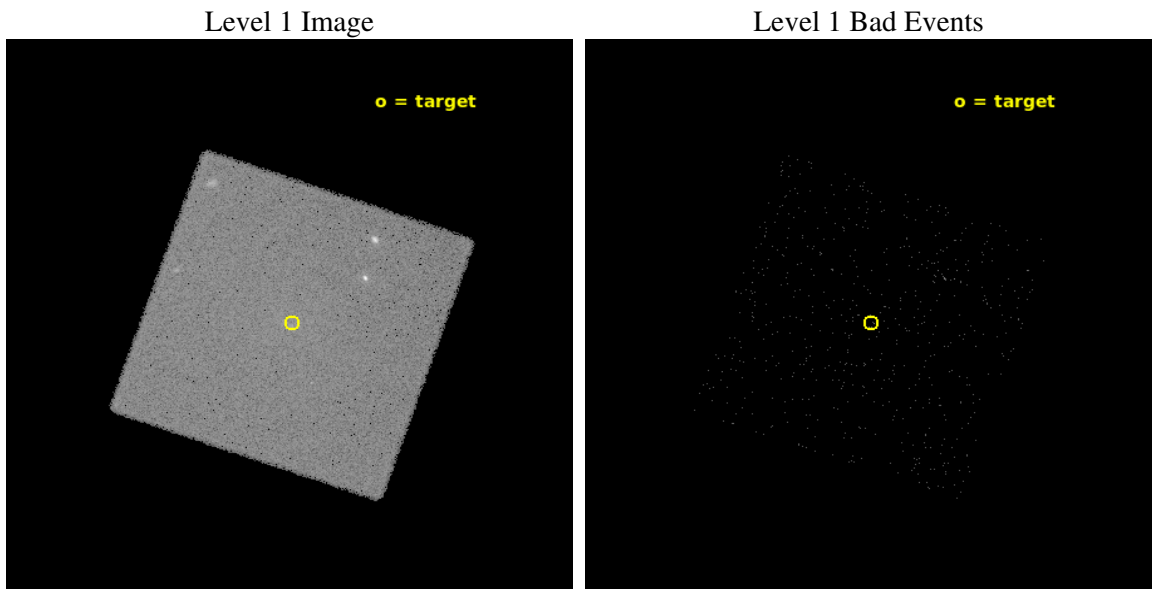
seq_num	400450	Sequence number
obs_id	6190	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Rudy Wijnands	Principal investigator
object	Galactic Center Survey	Source name
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.003056	Observer's specified target Dec [deg]
ra_nom	266.4220669603	Nominal RA [deg]
dec_nom	-29.003401525761	Nominal Dec [deg]
roll_nom	64.184151057	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5187.7814867496	[s]
livetime	5150.8309150213	Ontime multiplied by DTCOR
l2events	202859	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	5187.7814867496	[s]
caldsver	4.9.2	&#160	l1events	319173	Number of level 1 events
date	2020-10-08T18:31:44	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	319173
rejected events	20579
rejected %	6%

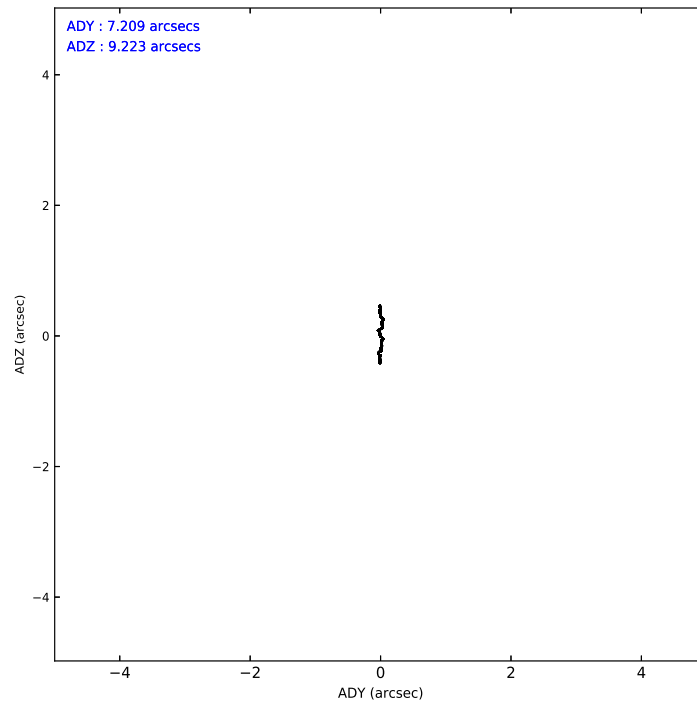
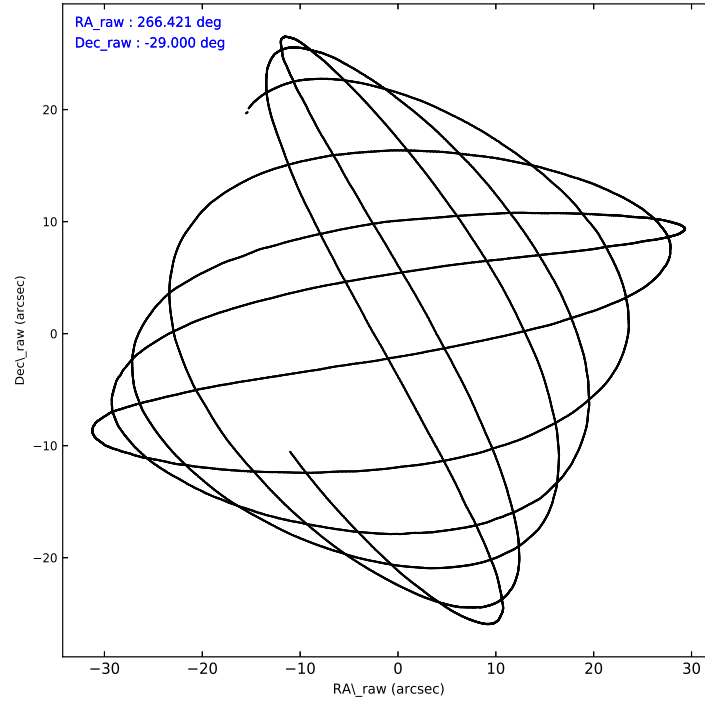


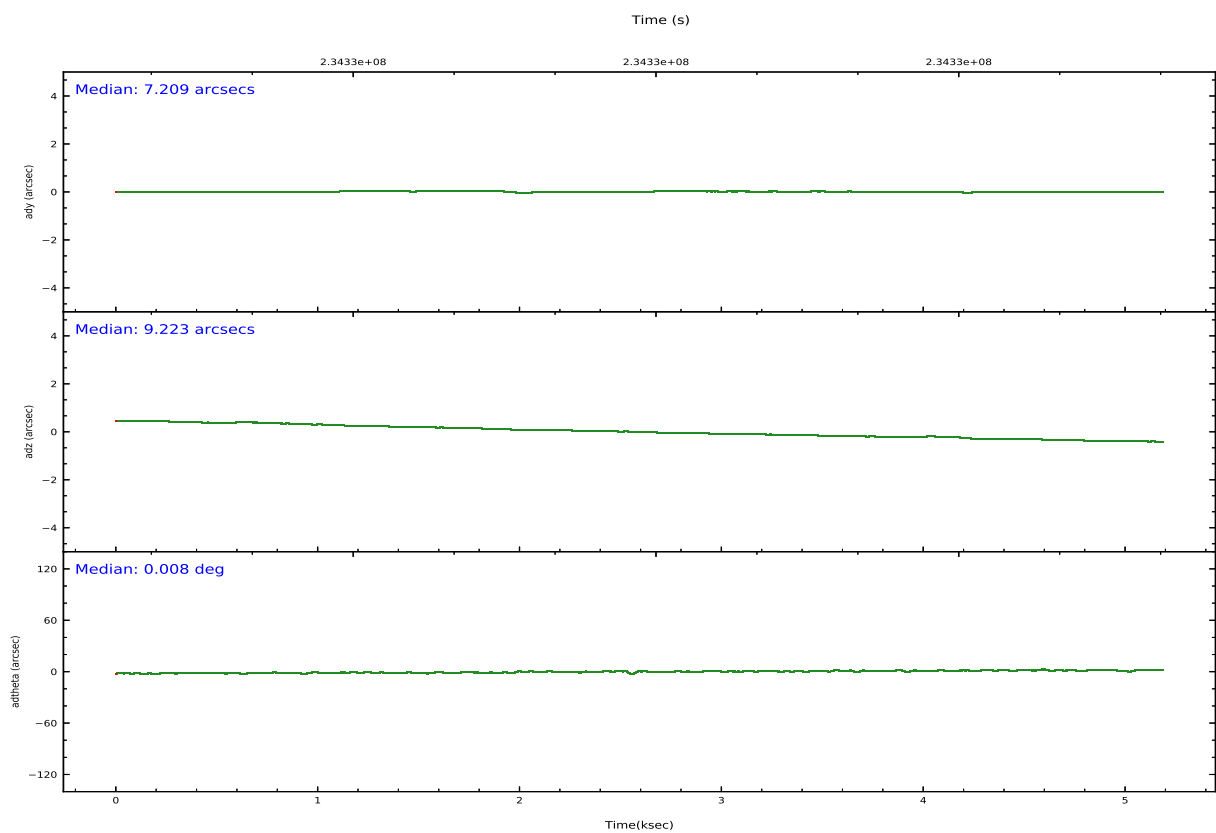
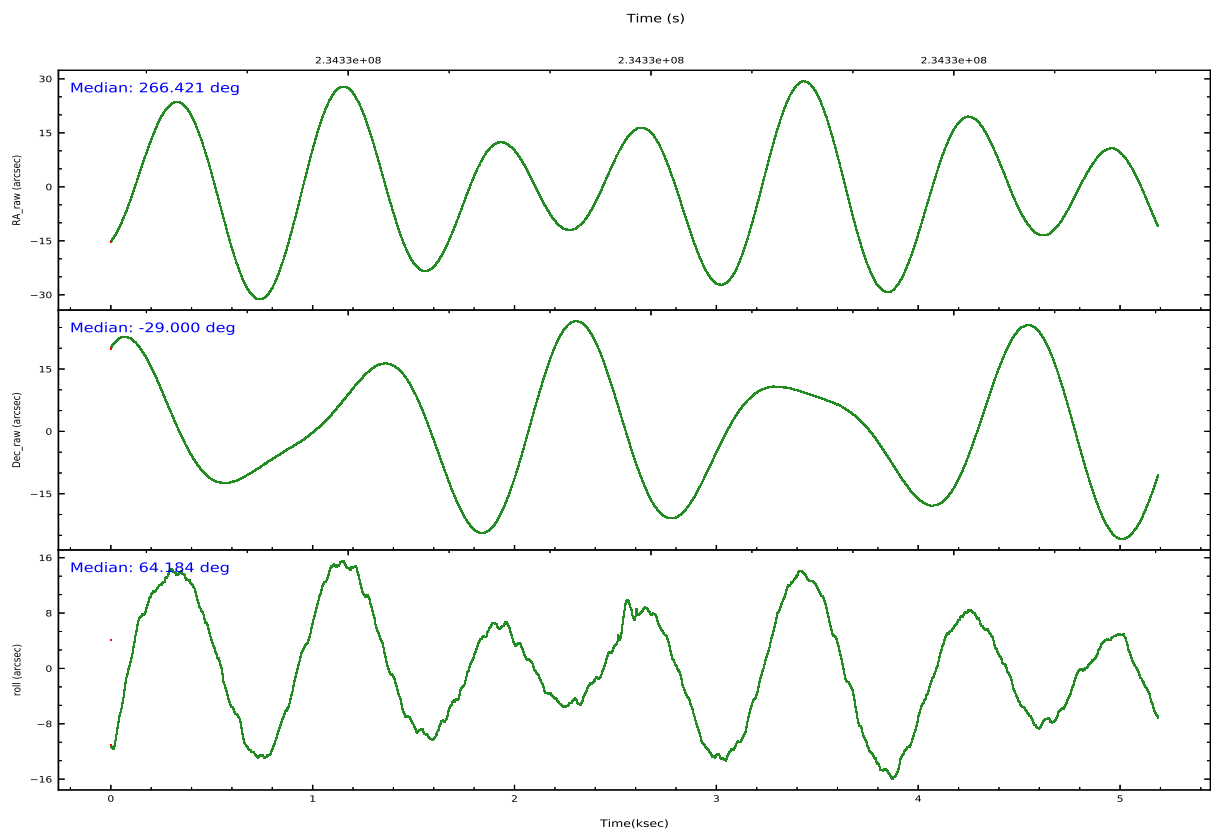
## 2.2 Compared Parameters

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	266.423223	266.4220669603
[deg] Pointing Dec	-29.027272	-29.003401525761
[deg] Pointing Roll	64.291445	64.18415105699999
[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)	234330012.184000	234329599.51998
Observation start date	2005-06-05T03:39:08	2005-06-05T03:33:19
[s] Observation end time (MET)	234335012.184000	234335146.30773
Observation end date	2005-06-05T05:02:28	2005-06-05T05:05:46

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

## 2.3 Aspect



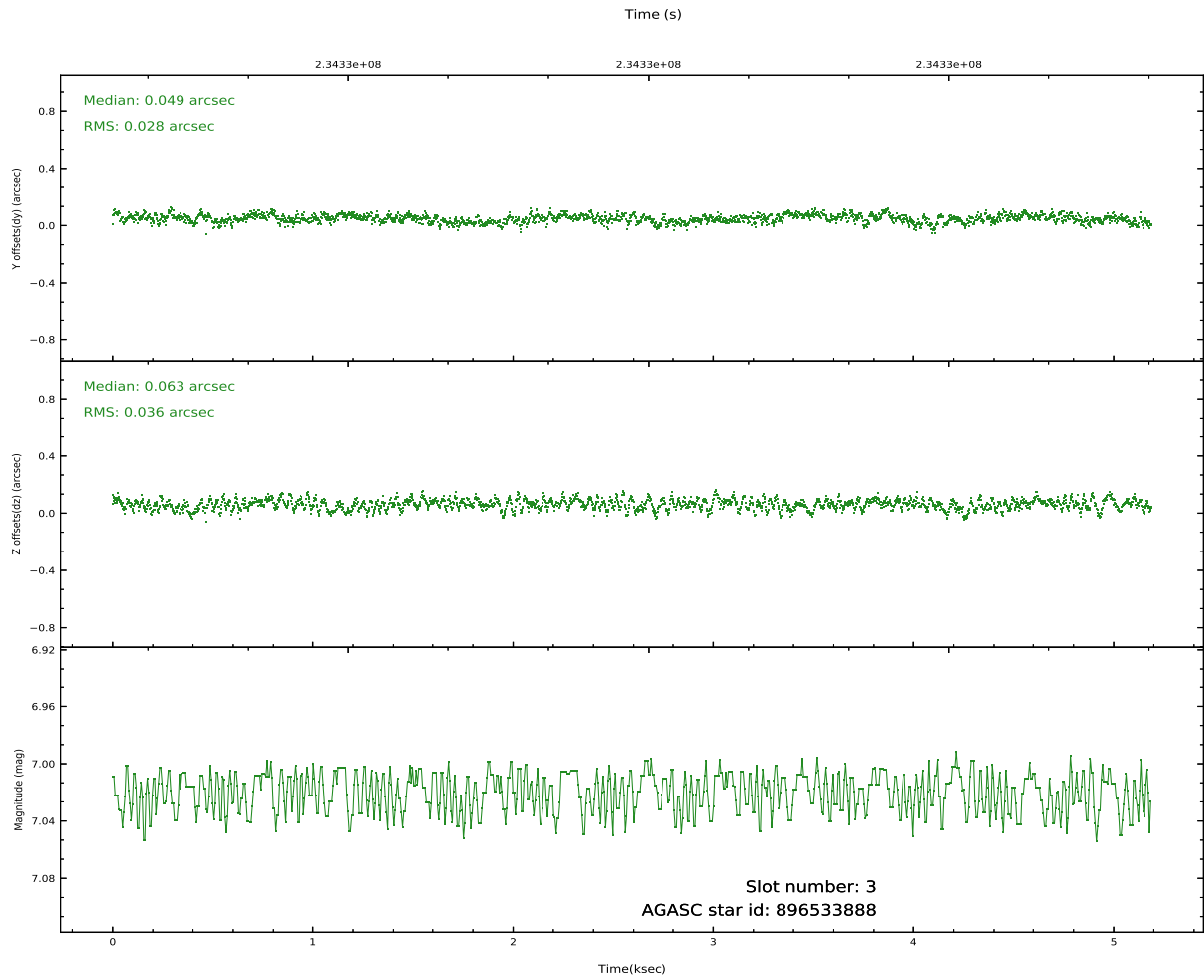
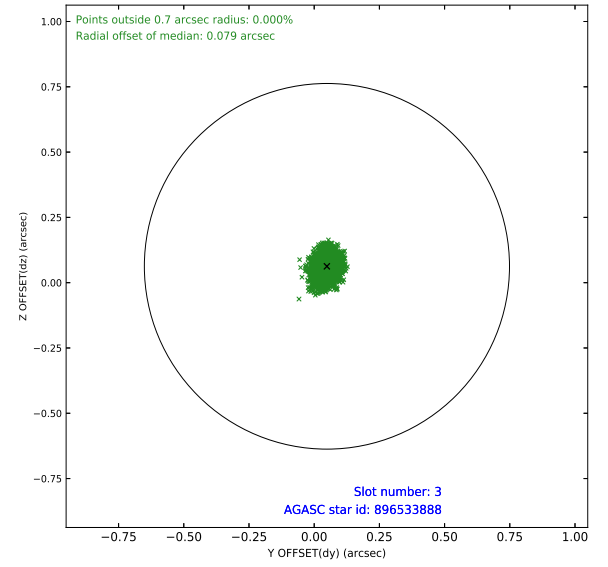
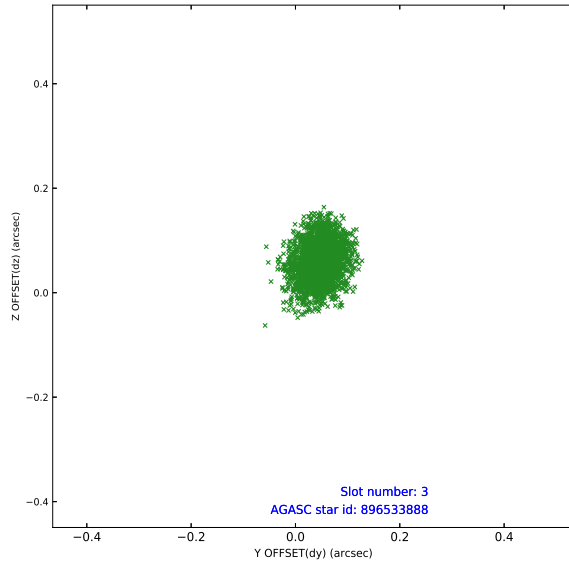


Slot Statistics

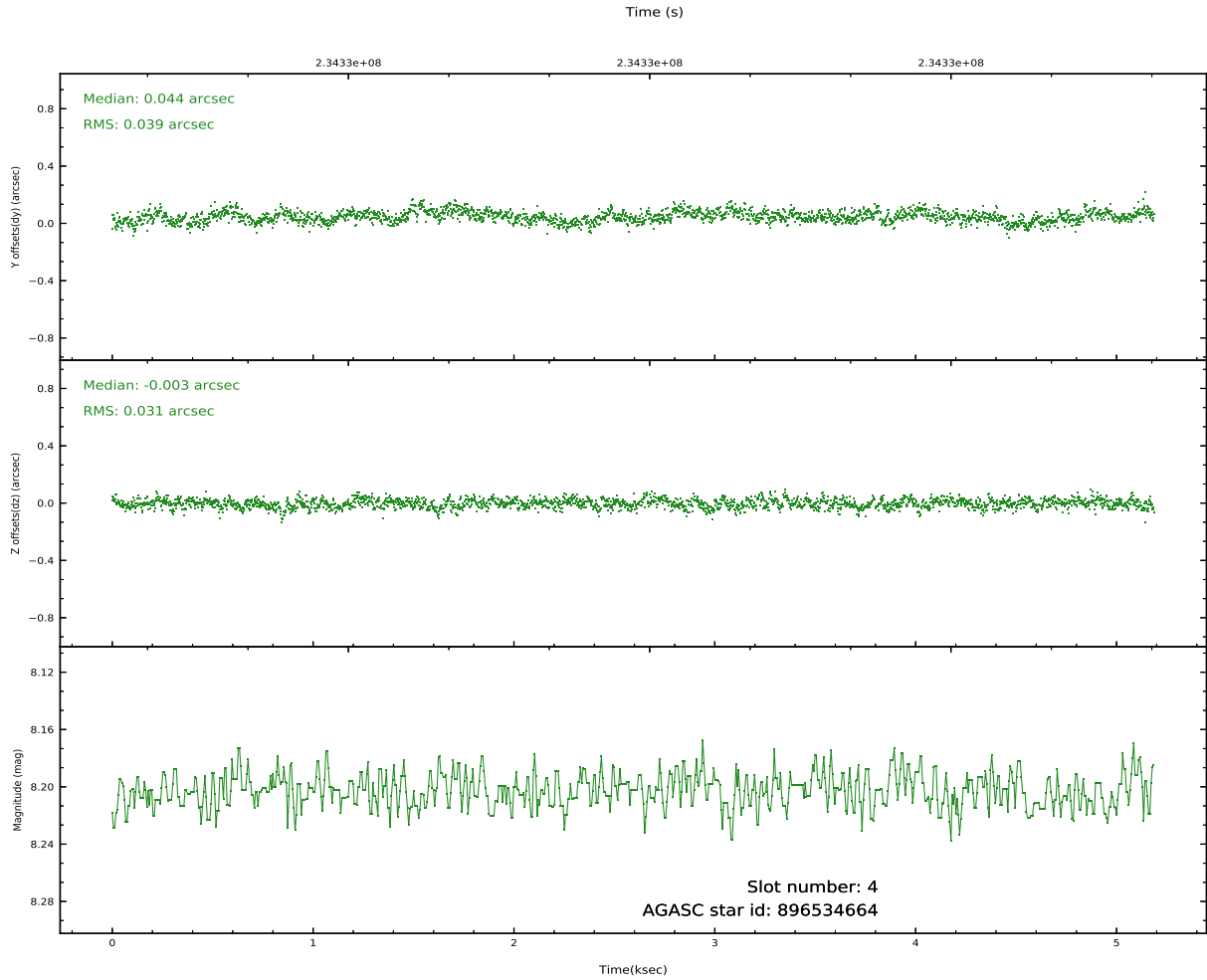
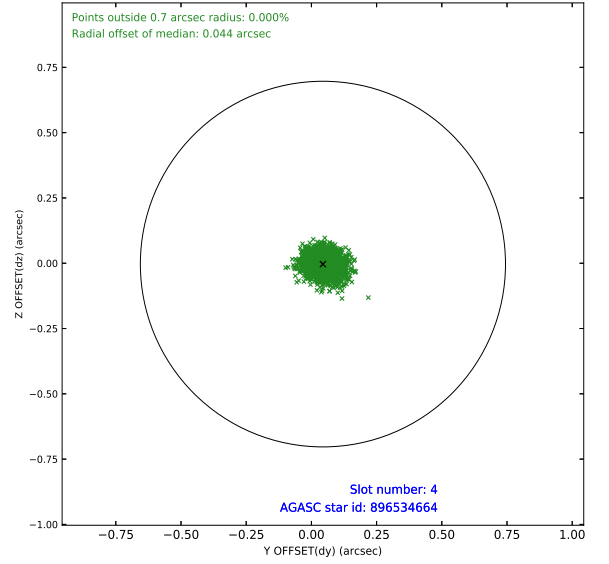
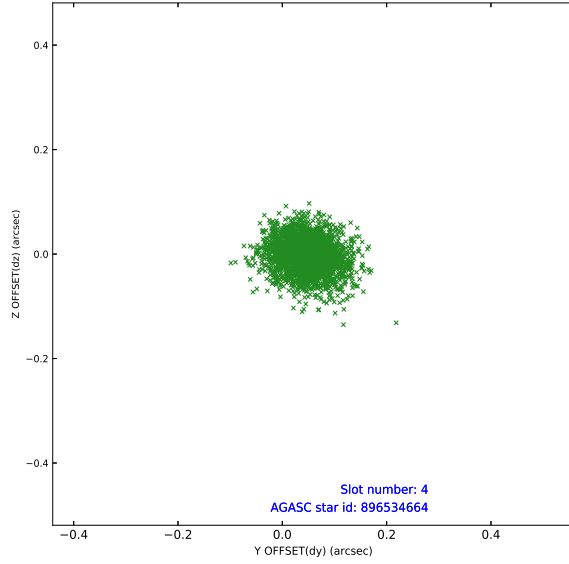
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.04	1266	1.000	0.047	-0.085	0.014	0.022	0.000000	0.000000	849.89	-1298
1	FID		HRC-I-3	7.08	1266	1.000	-0.081	-0.013	0.014	0.020	0.000000	0.000000	-1190.71	1006
2	FID		HRC-I-4	7.04	1266	1.000	0.154	0.011	0.009	0.017	0.000000	0.000000	1279.19	1005
3	GUIDE	used	896533888	7.02	2532	1.000	0.049	0.063	0.049	0.078	266.666434	-29.392757	-855.03	-1257
4	GUIDE	used	896534664	8.20	2532	1.000	0.044	-0.003	0.052	0.089	266.405570	-28.407461	1985.84	1018
5	GUIDE	used	896537776	7.53	2532	1.000	0.042	0.082	0.056	0.090	266.655684	-29.665673	-1754.87	-1651
6	GUIDE	used	896538696	6.82	2532	1.000	-0.190	-0.118	0.043	0.068	266.298470	-28.325572	2103.68	1451
7	GUIDE	used	896541360	7.72	2530	1.000	0.055	-0.018	0.058	0.095	266.684478	-29.453744	-1027.75	-1403

## 2.4 Star Slots

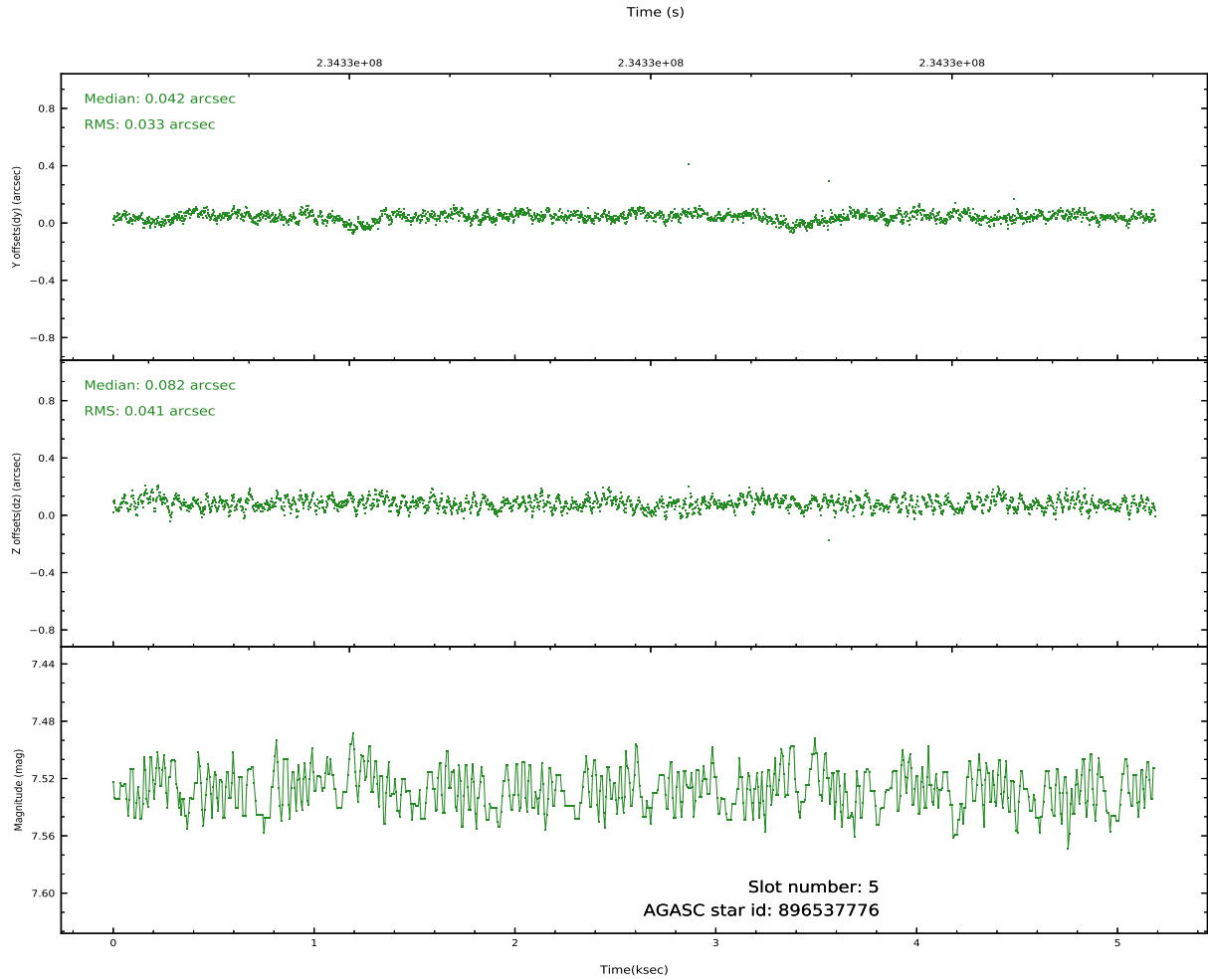
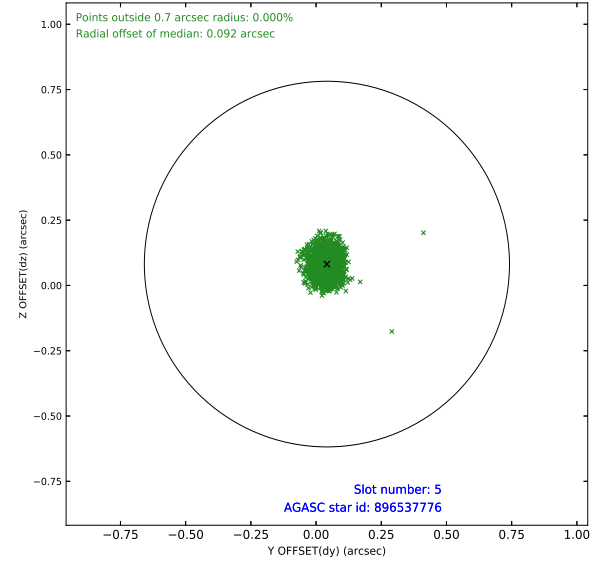
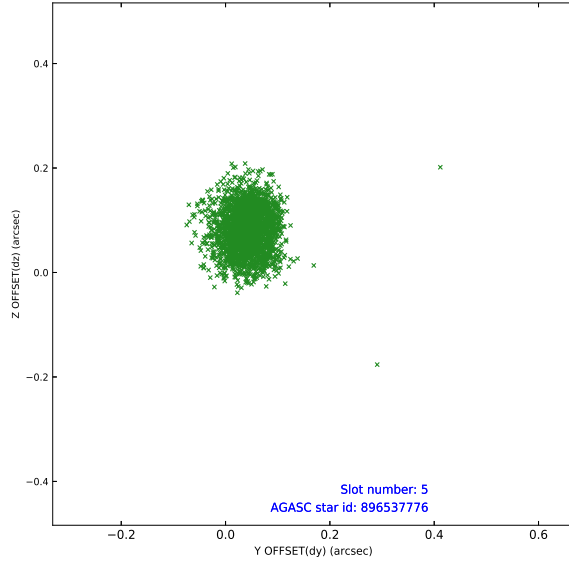
### 2.4.1 Slot 3



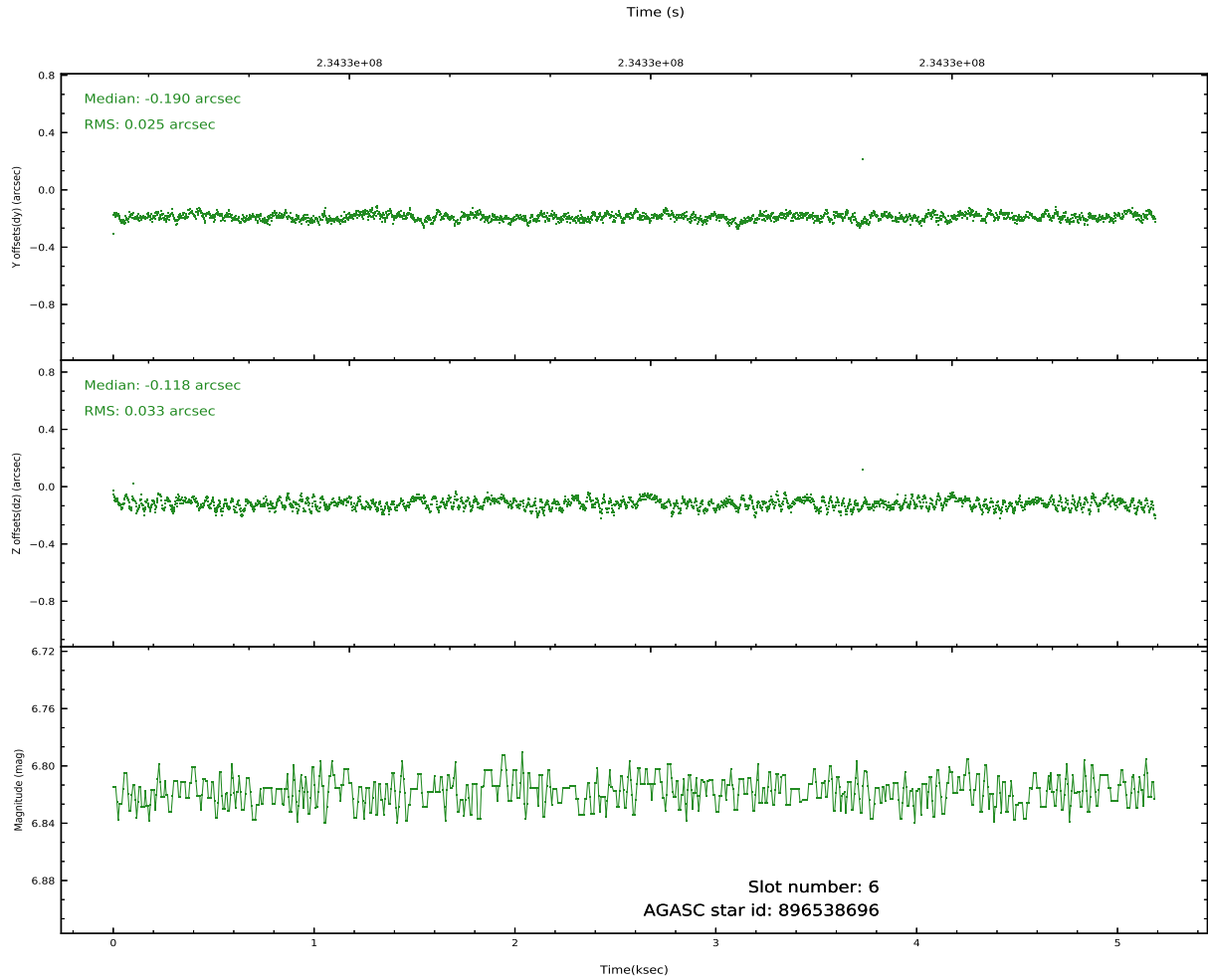
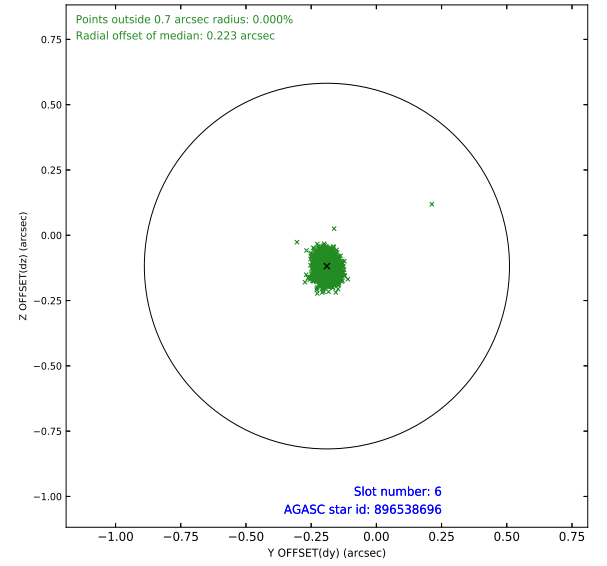
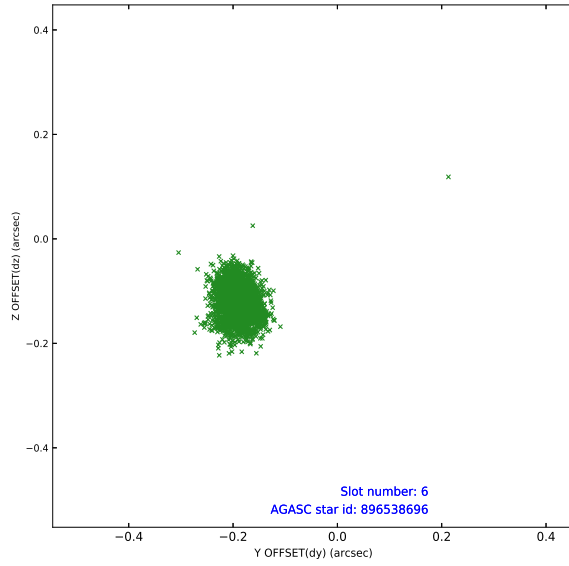
## 2.4.2 Slot 4



### 2.4.3 Slot 5

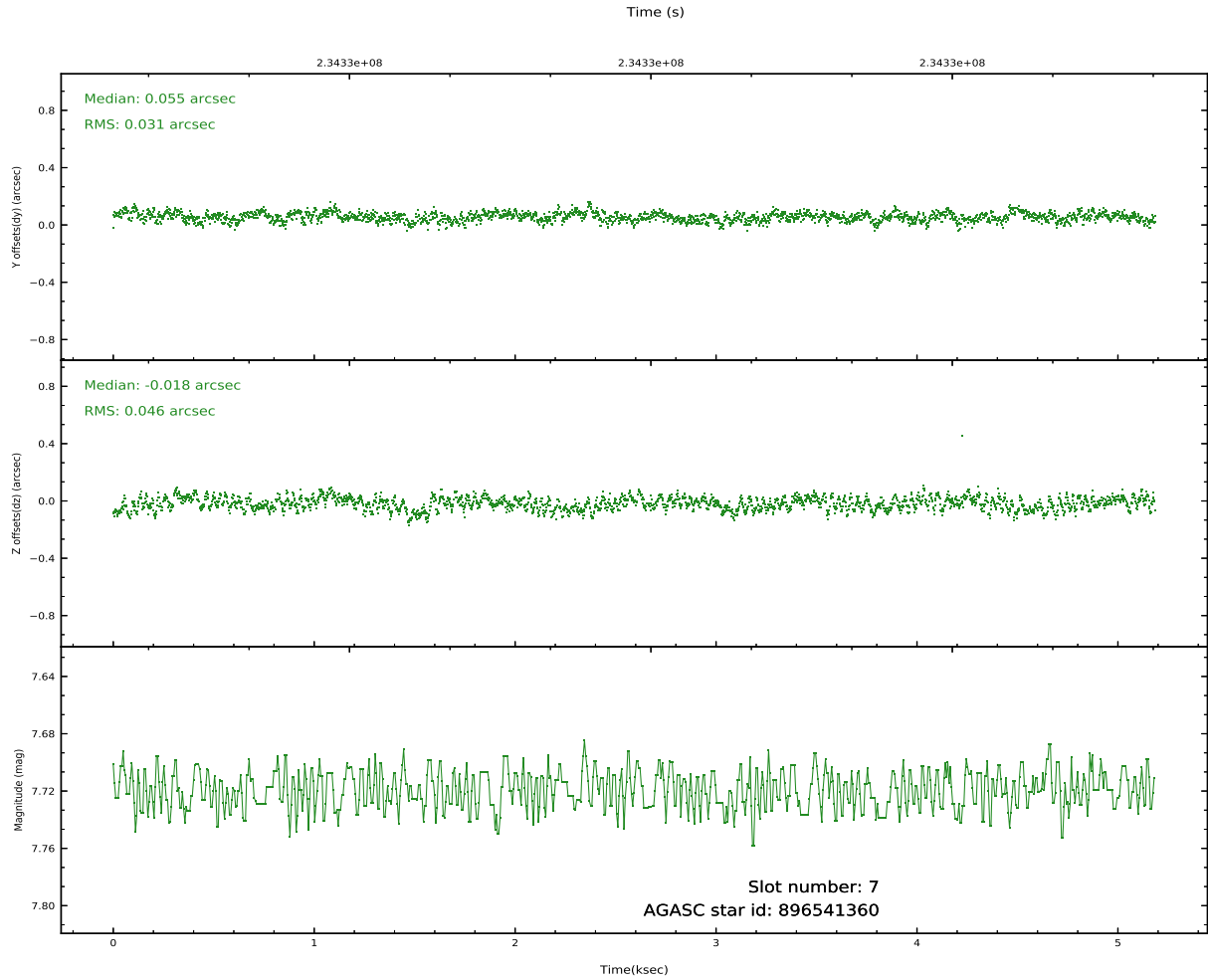
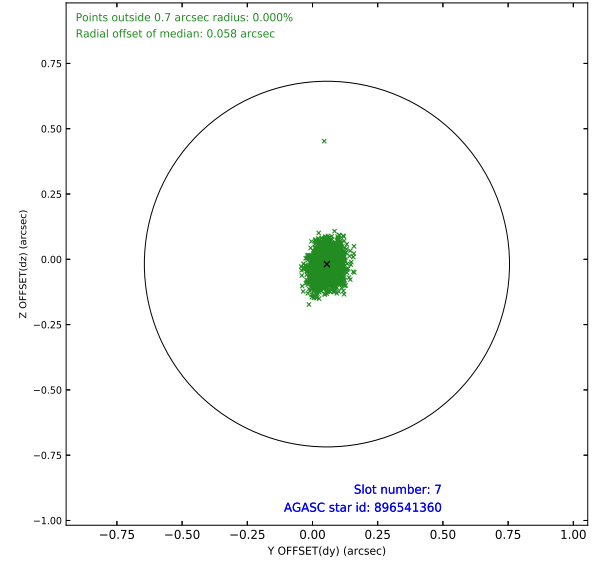
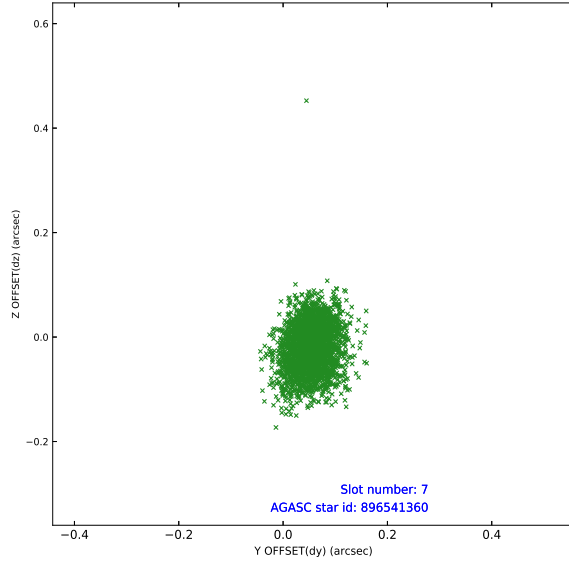


## 2.4.4 Slot 6



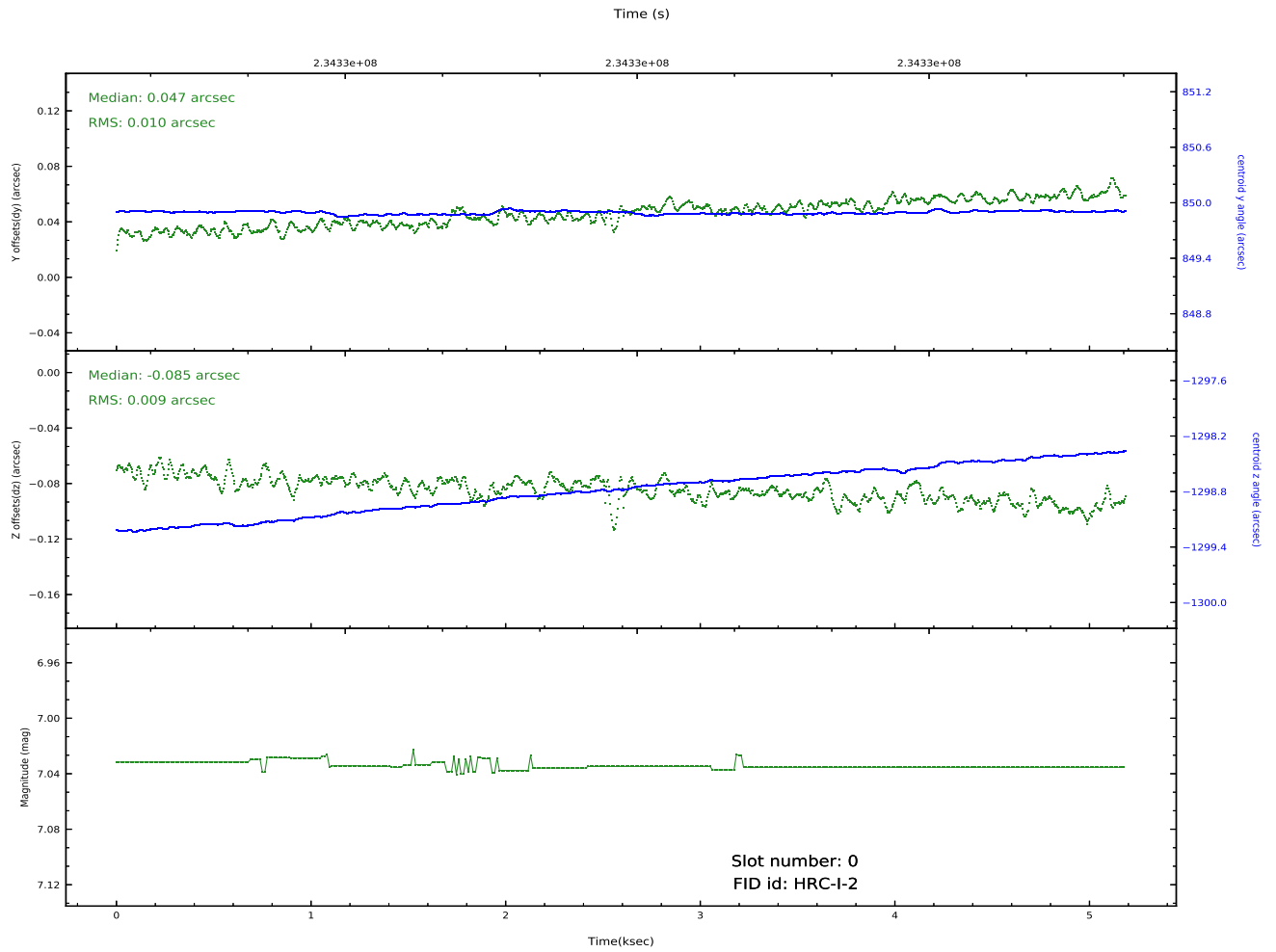
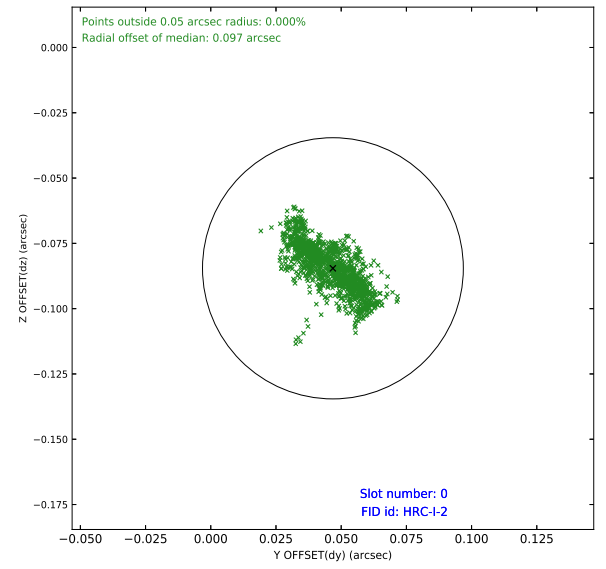
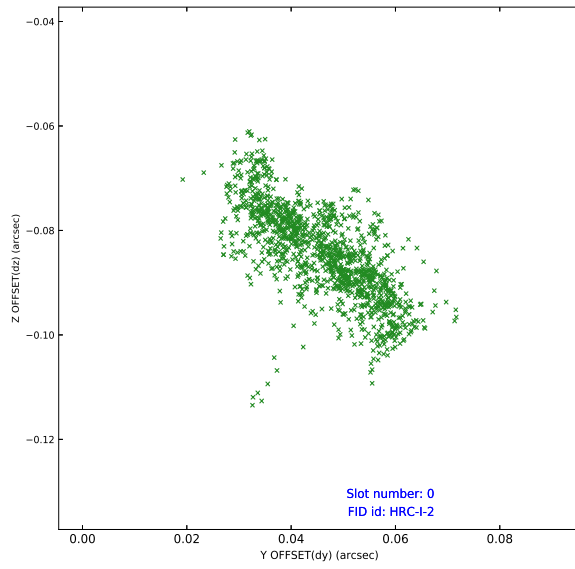


## 2.4.5 Slot 7

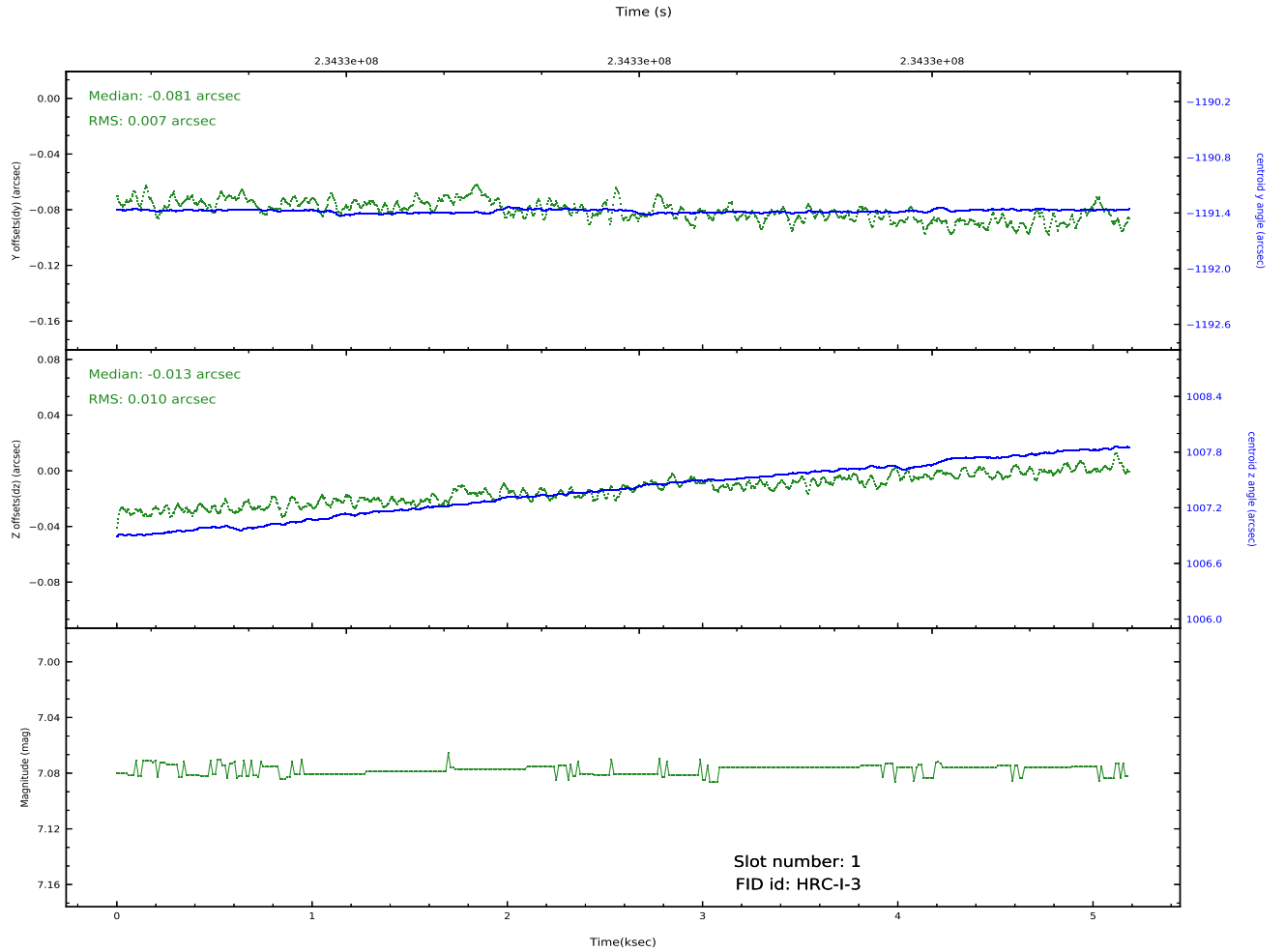
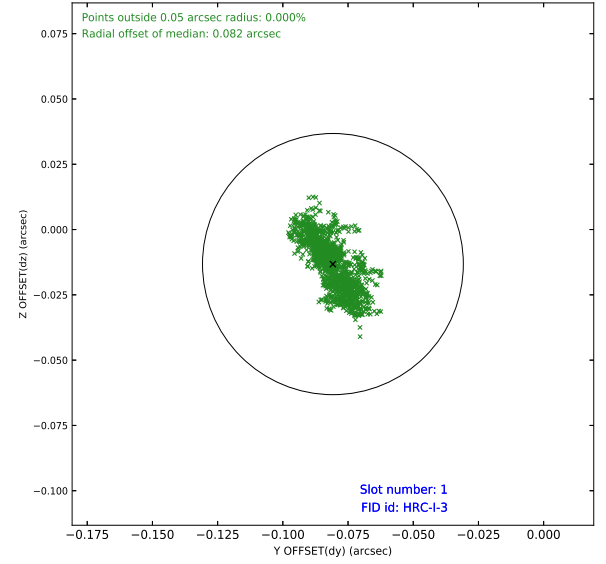
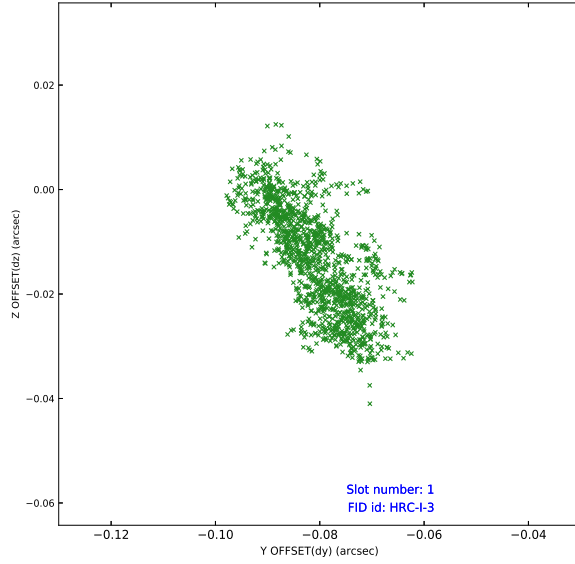


## 2.5 FID Slots

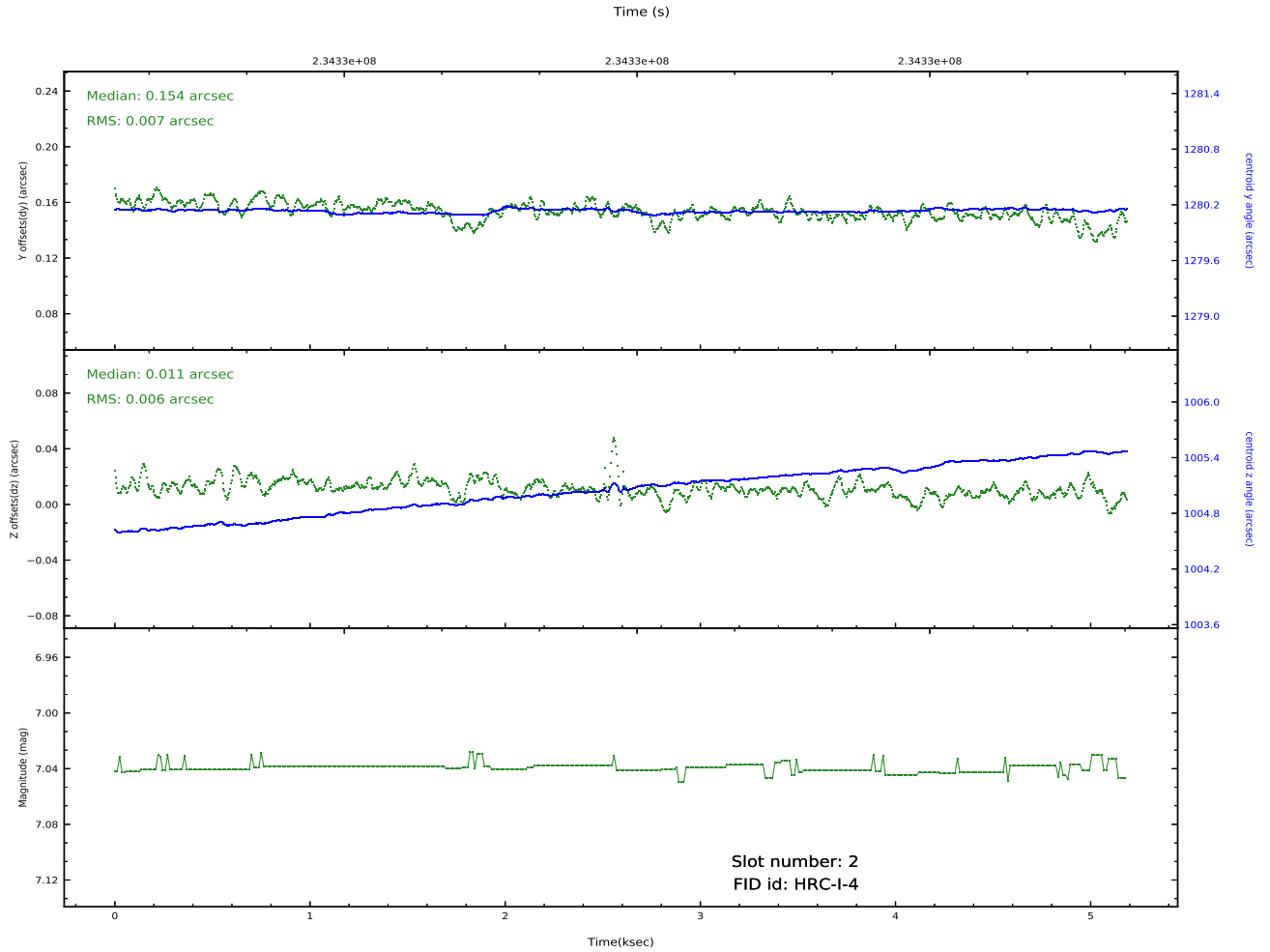
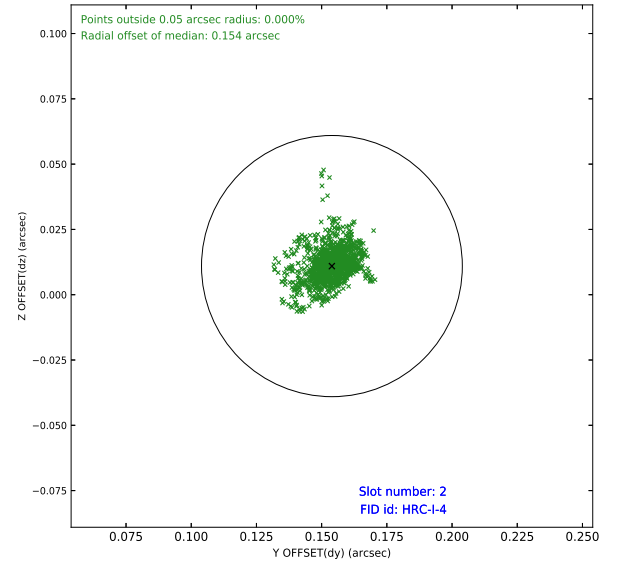
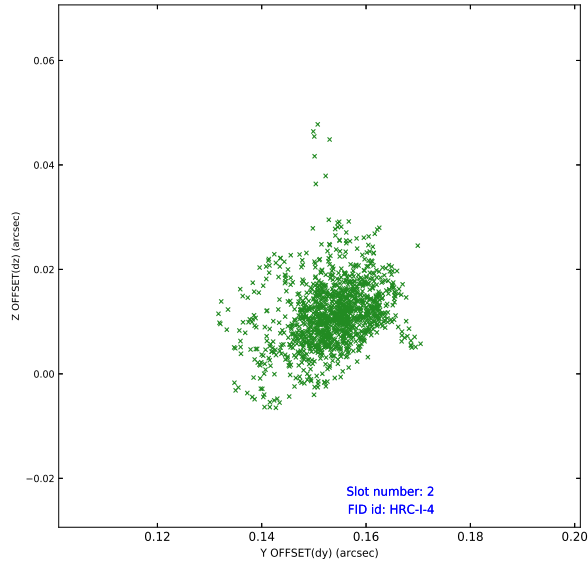
### 2.5.1 Slot 0



## 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	5.187781

## A.2 Comments

Joint Proposal: CXO-XMM