

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6134 - L2 Version 5
Chandra X-Ray Center

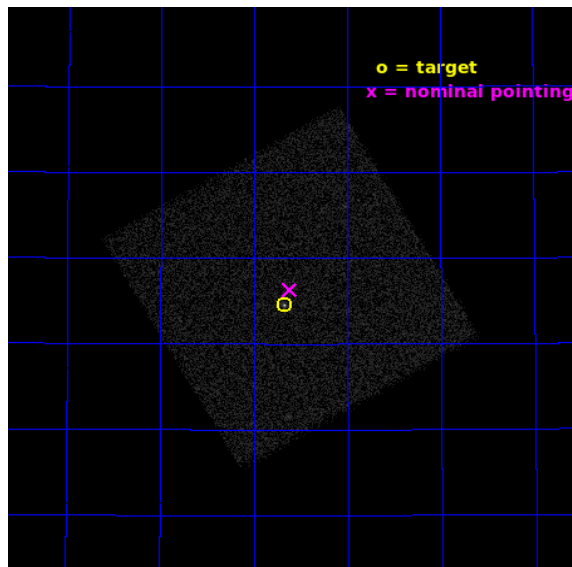
L2 Processing Date : Oct 5 2020

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1 Front

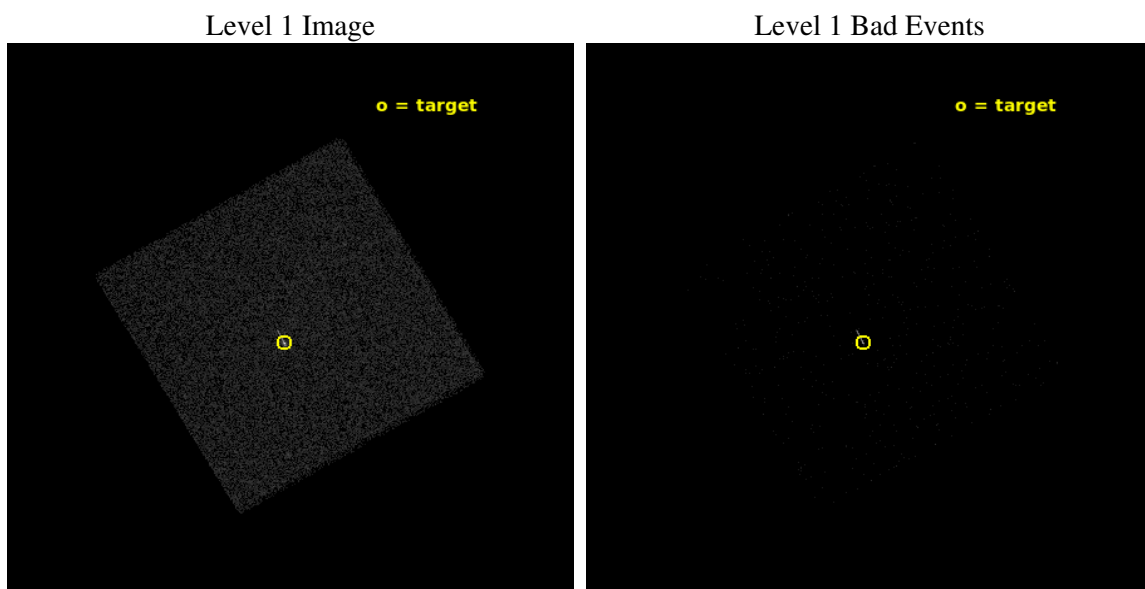
seq_num	290535	Sequence number
obs_id	6134	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1537948006	Nominal RA [deg]
dec_nom	45.77219600044	Nominal Dec [deg]
roll_nom	284.68501715546	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1079.3250485361	[s]
livetime	1071.5378938372	Ontime multiplied by DTCOR
l2events	44115	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	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1079.3250485361	[s]
caldsver	4.9.2	 	l1events	82763	Number of level 1 events
date	2020-10-05T07:12:14	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

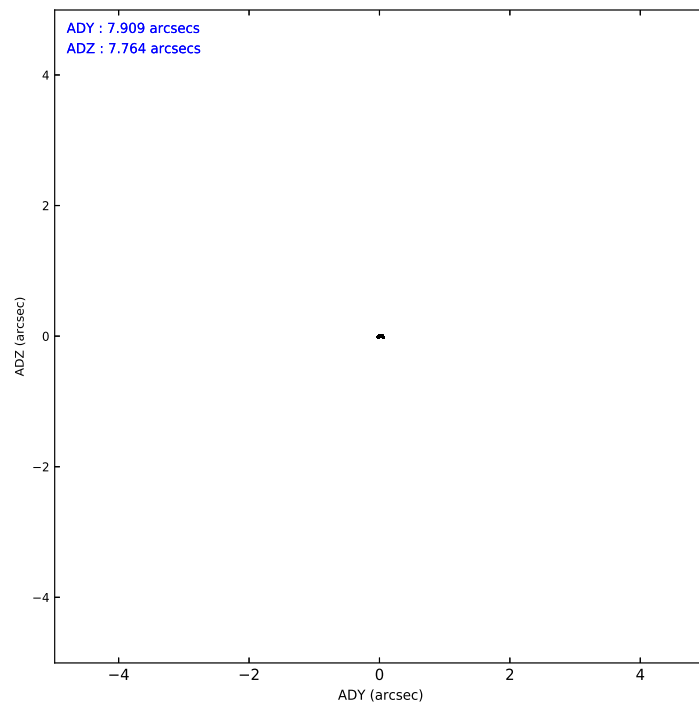
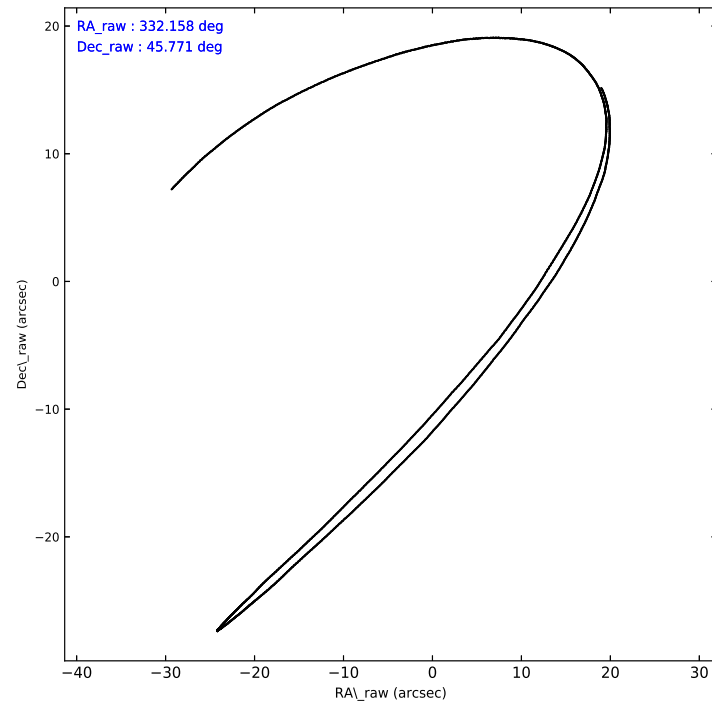
	segment 0
level 1 events	82763
rejected events	19480
rejected %	23%

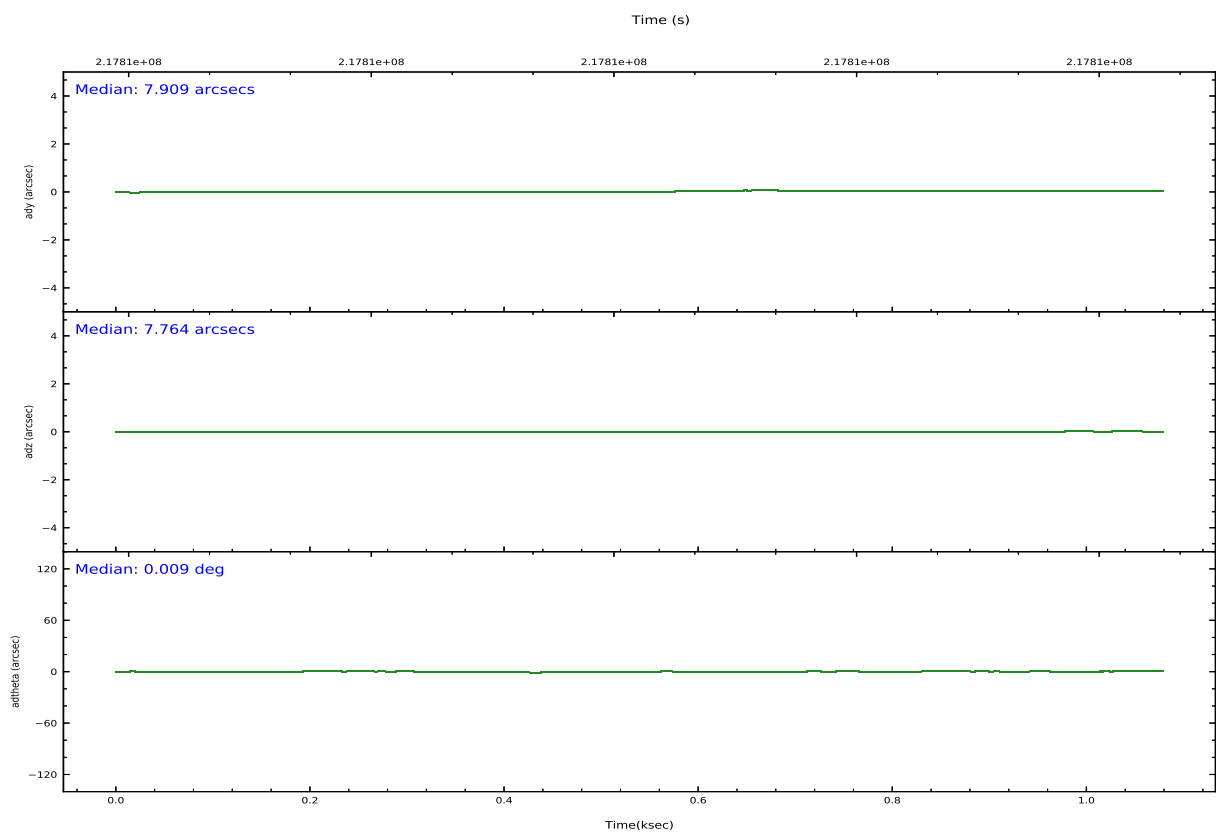
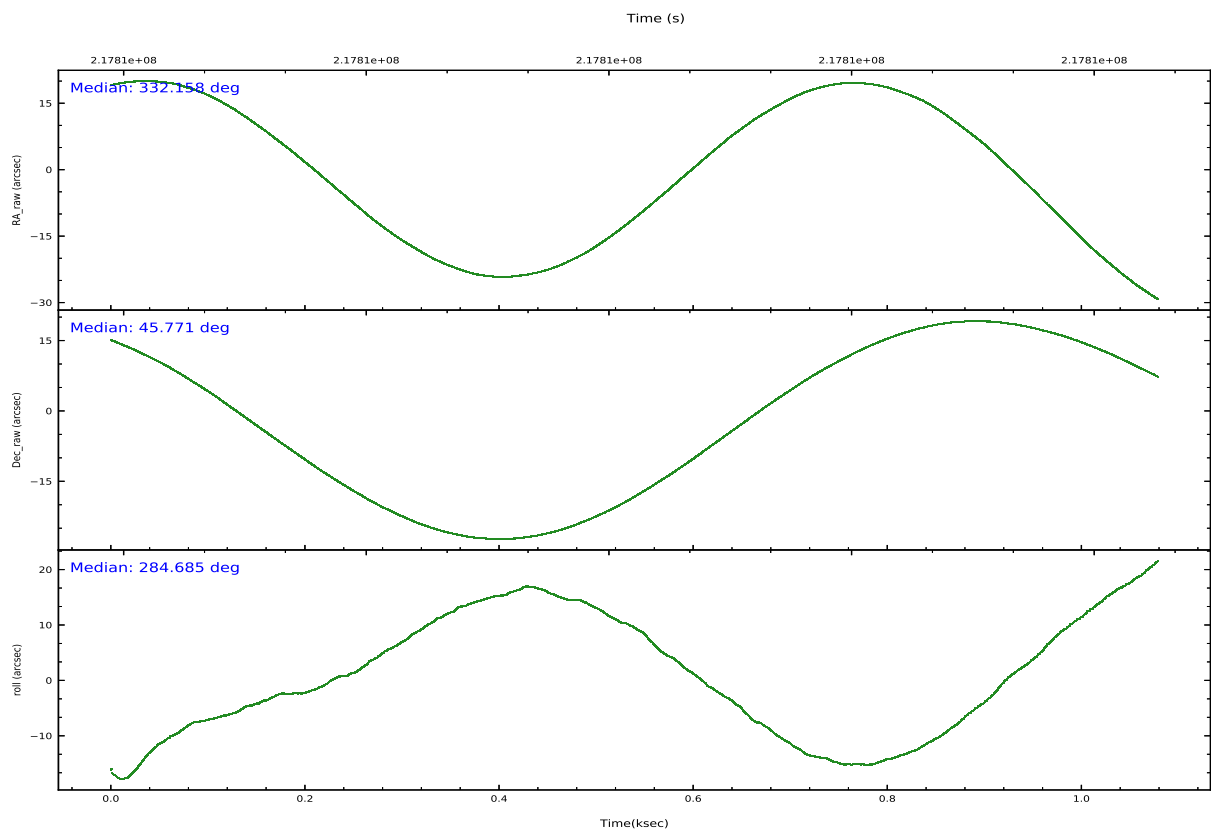
2.2 Compared Parameters

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	332.129001	332.1537948006
[deg] Pointing Dec	45.789230	45.77219600044
[deg] Pointing Roll	284.817820	284.68501715546
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	217805667.184000	217805291.3841
Observation start date	2004-11-25T21:33:23	2004-11-25T21:28:11
[s] Observation end time (MET)	217806567.184000	217806700.75916
Observation end date	2004-11-25T21:48:23	2004-11-25T21:51:40

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

2.3 Aspect



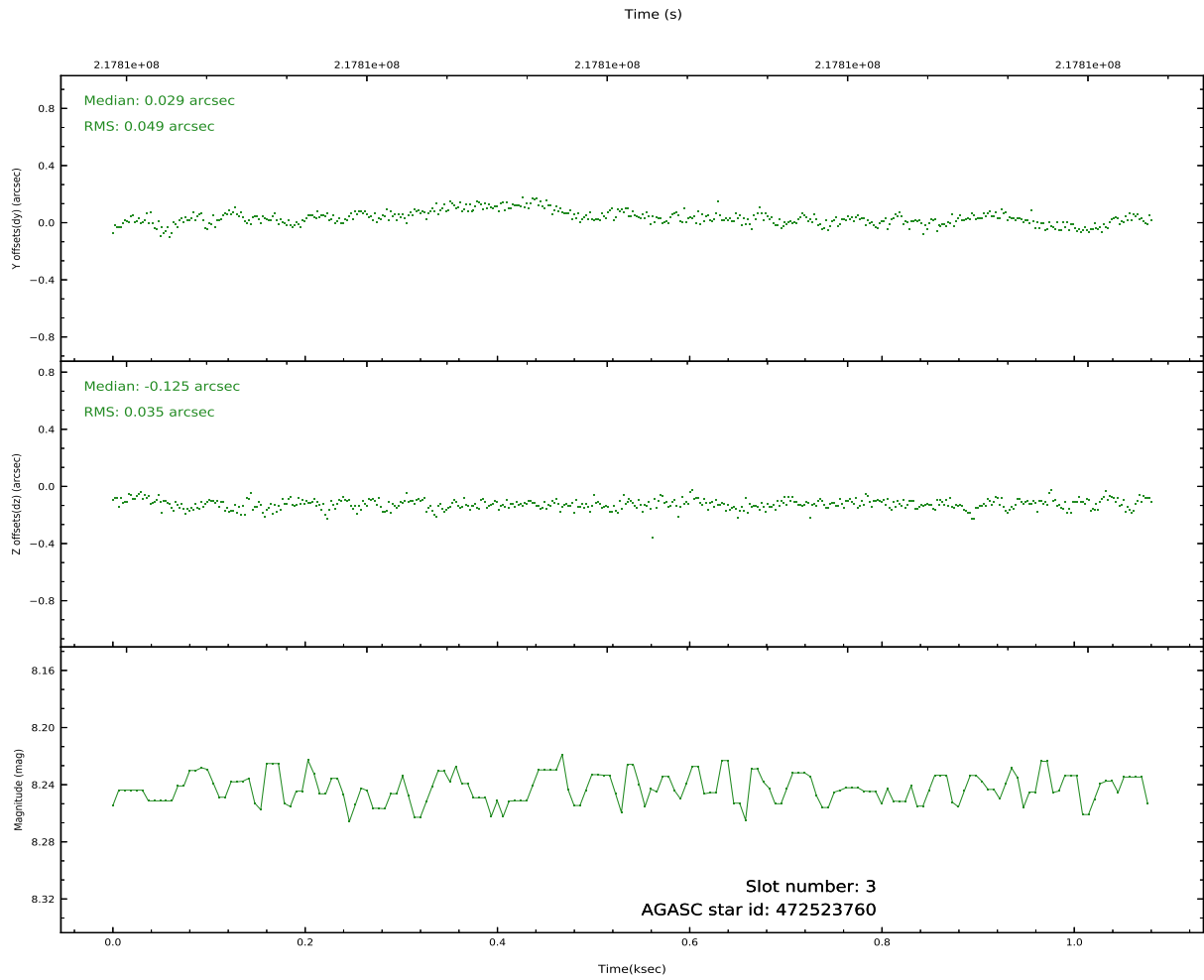
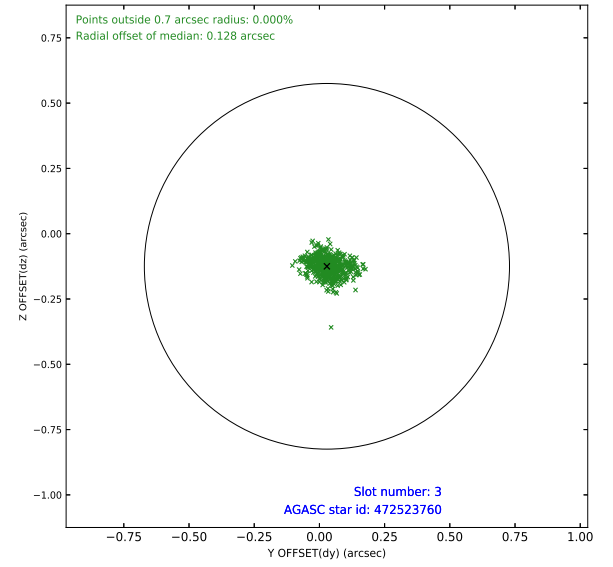
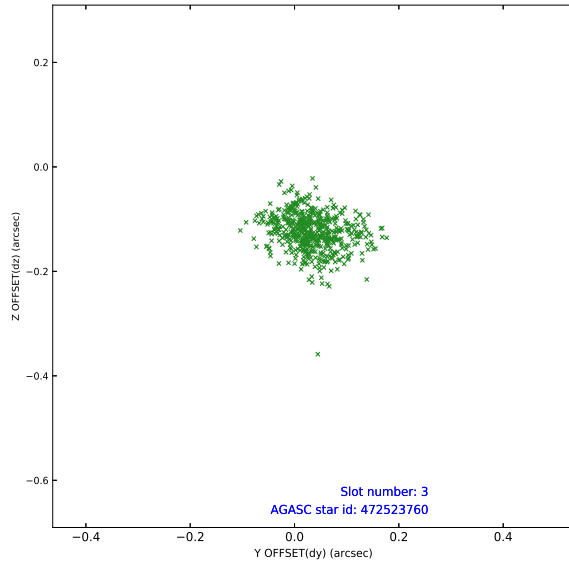


Slot Statistics

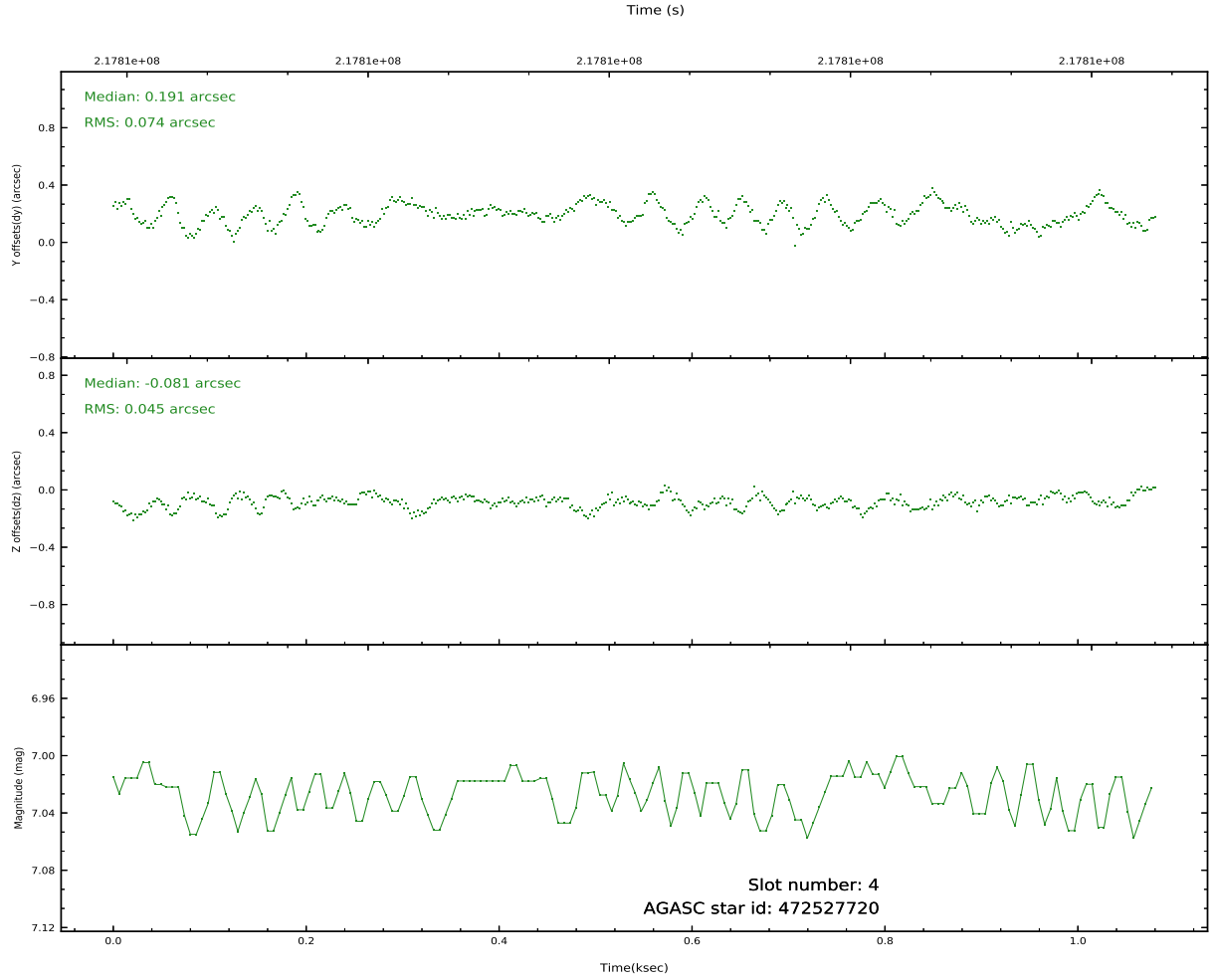
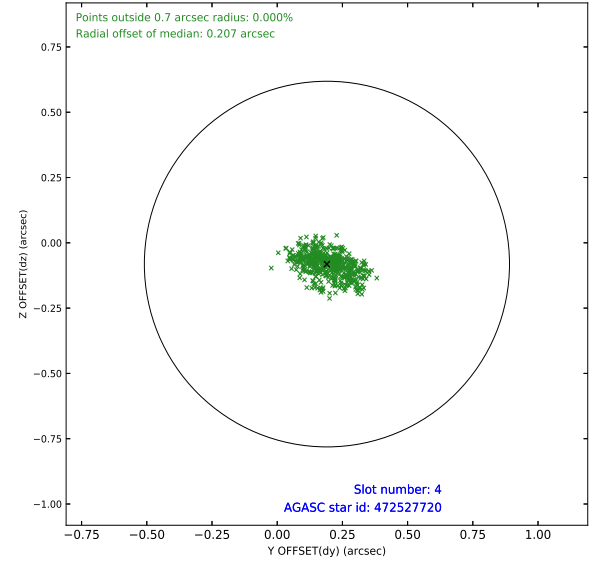
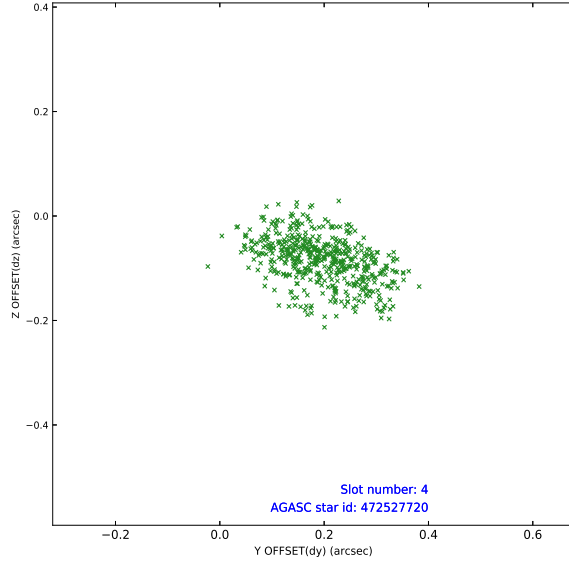
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	264	1.000	-0.019	0.015	0.007	0.016	0.000000	0.000000	-763.56	-1295
1	FID		HRC-I-2	7.04	264	1.000	0.174	-0.126	0.006	0.011	0.000000	0.000000	846.37	-1302
2	FID		HRC-I-3	7.09	264	1.000	-0.037	0.021	0.006	0.020	0.000000	0.000000	-1188.85	1003
3	GUIDE	used	472523760	8.24	528	1.000	0.029	-0.125	0.063	0.106	331.645363	45.403260	1027.53	-1538
4	GUIDE	used	472527720	7.02	528	1.000	0.191	-0.081	0.095	0.148	331.460205	45.112509	1916.50	-2268
5	GUIDE	used	472533912	9.16	528	1.000	-0.143	0.121	0.083	0.143	331.791136	46.368695	-2229.37	-283
6	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
7	GUIDE	used	472659832	9.46	525	1.000	-0.077	0.086	0.124	0.203	332.780399	46.098139	-670.04	1855

2.4 Star Slots

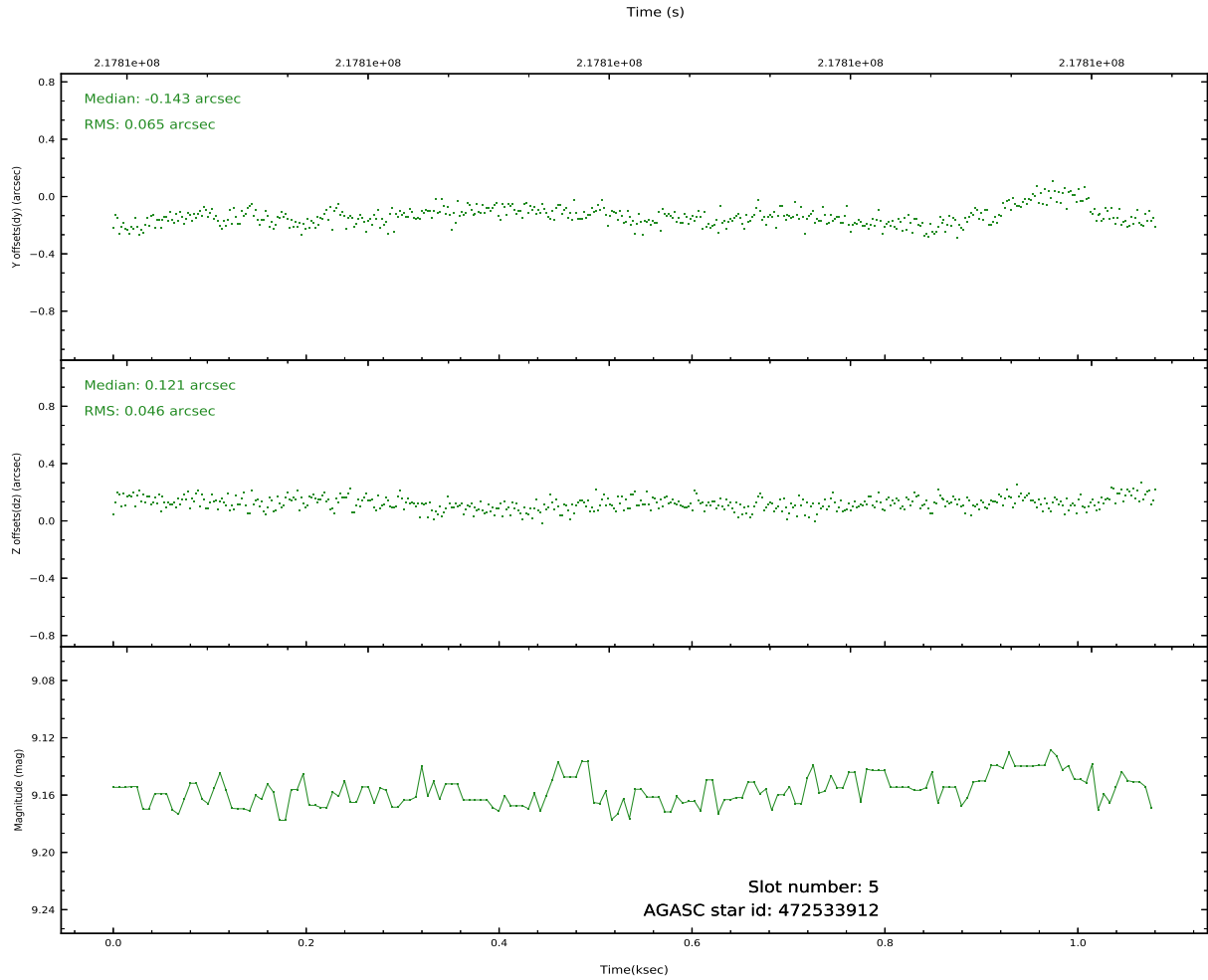
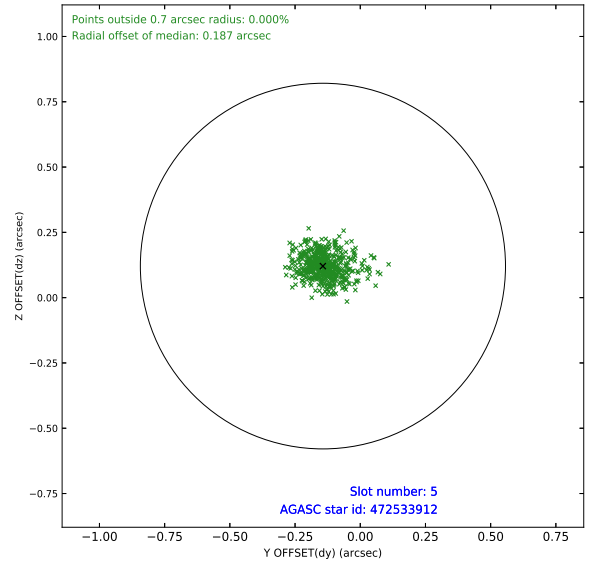
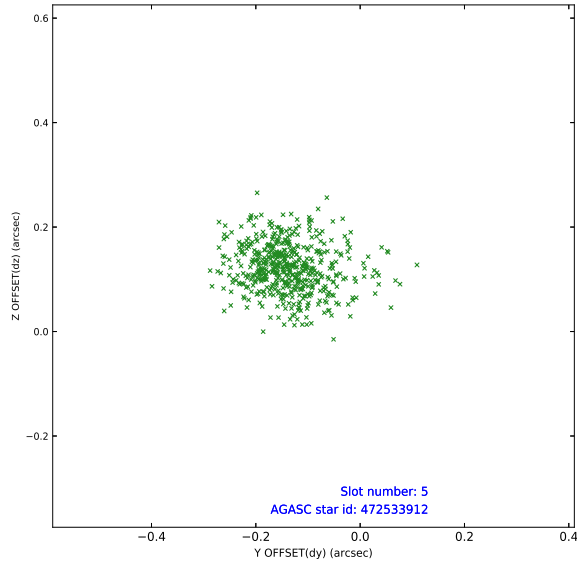
2.4.1 Slot 3



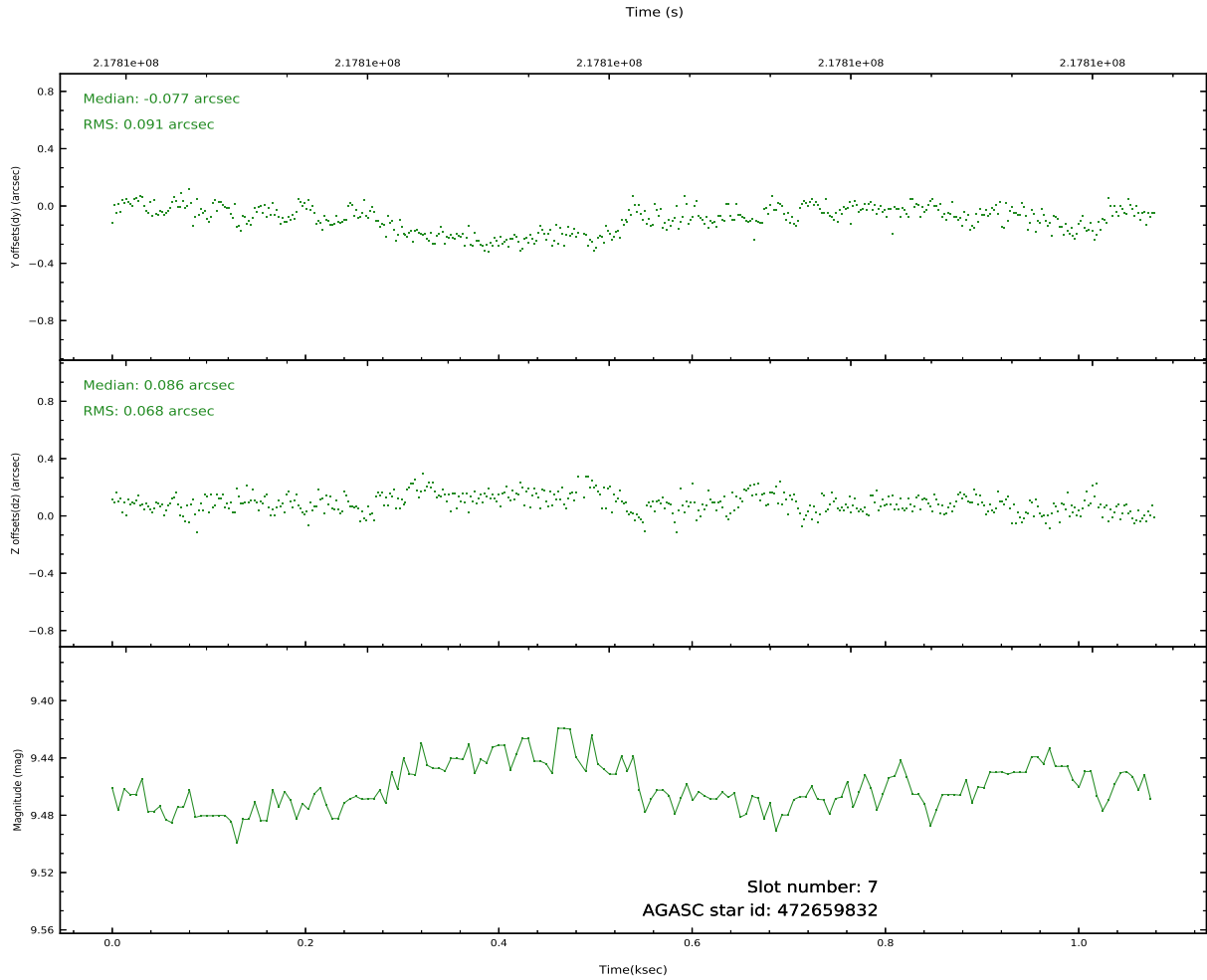
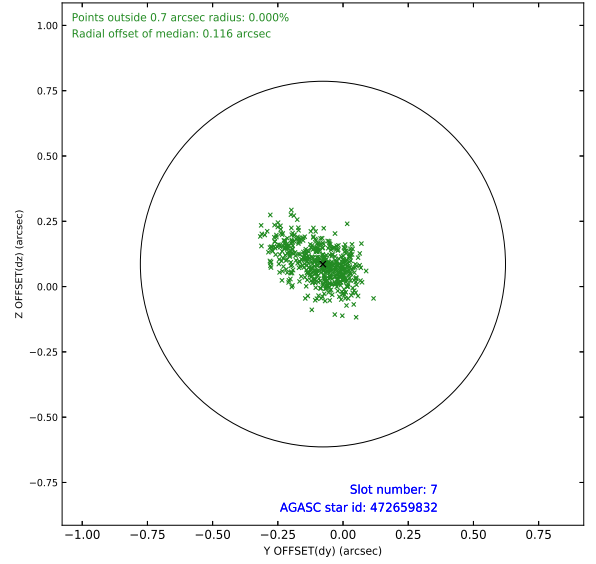
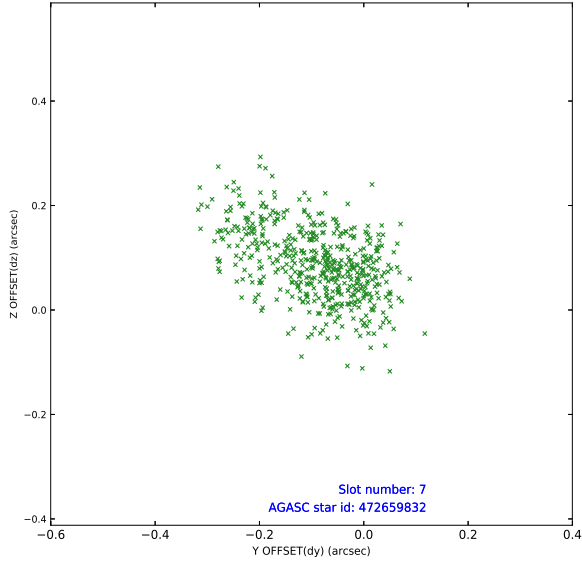
2.4.2 Slot 4



2.4.3 Slot 5

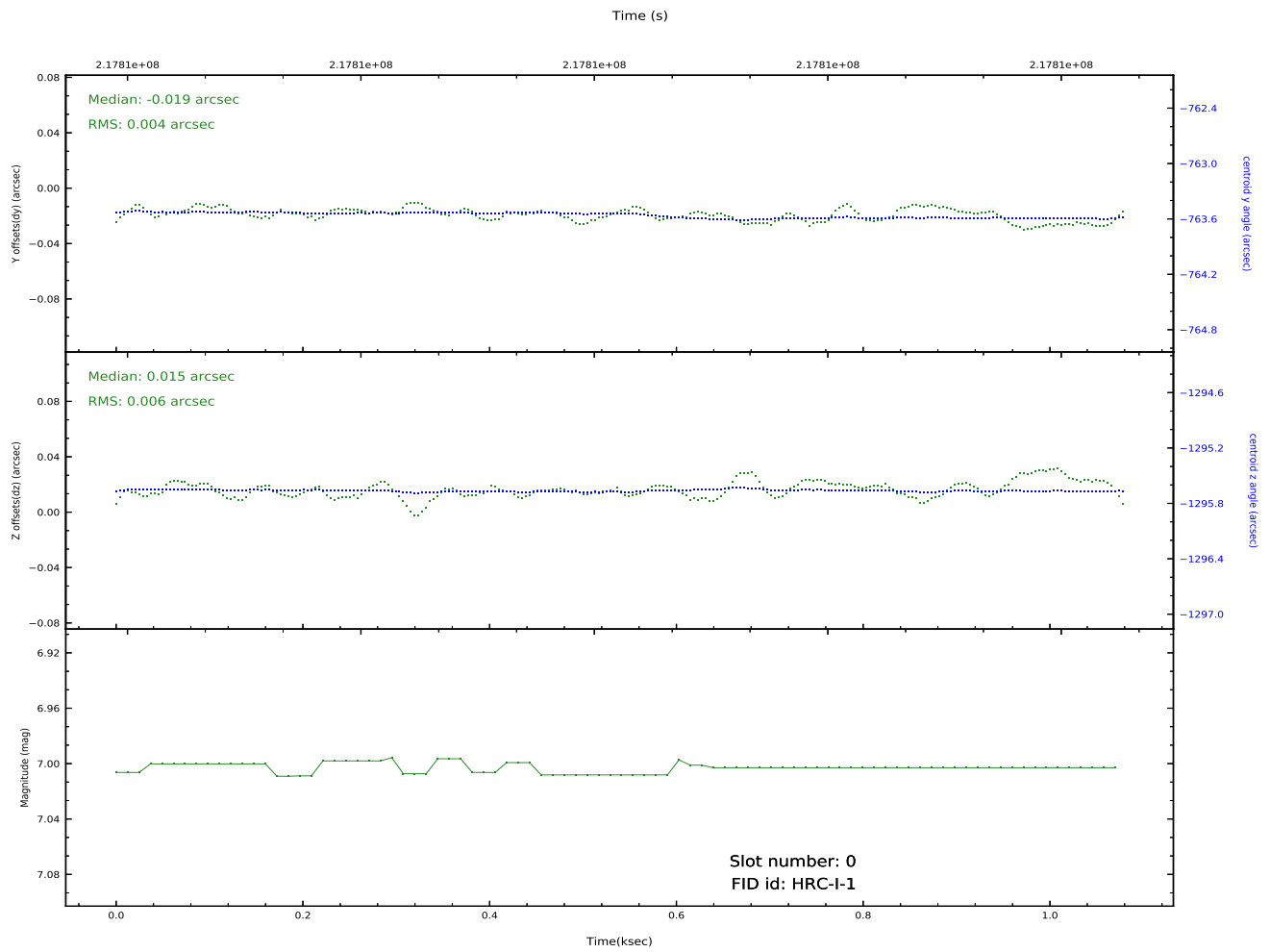
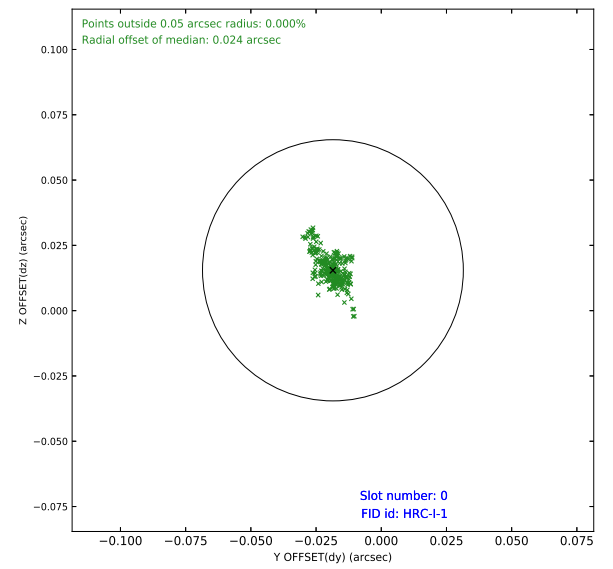
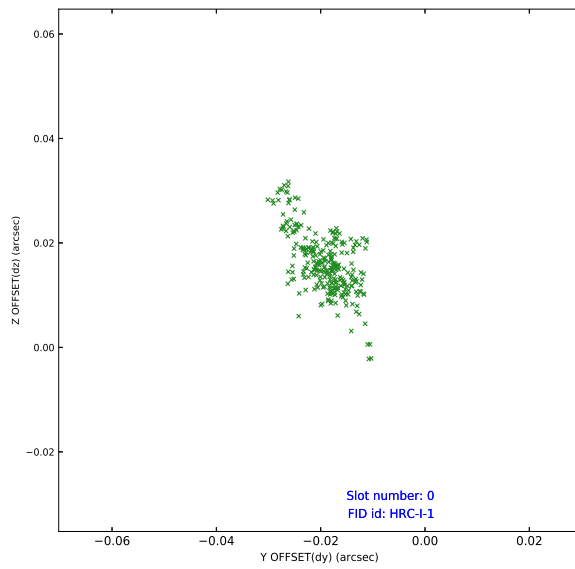


2.4.4 Slot 7

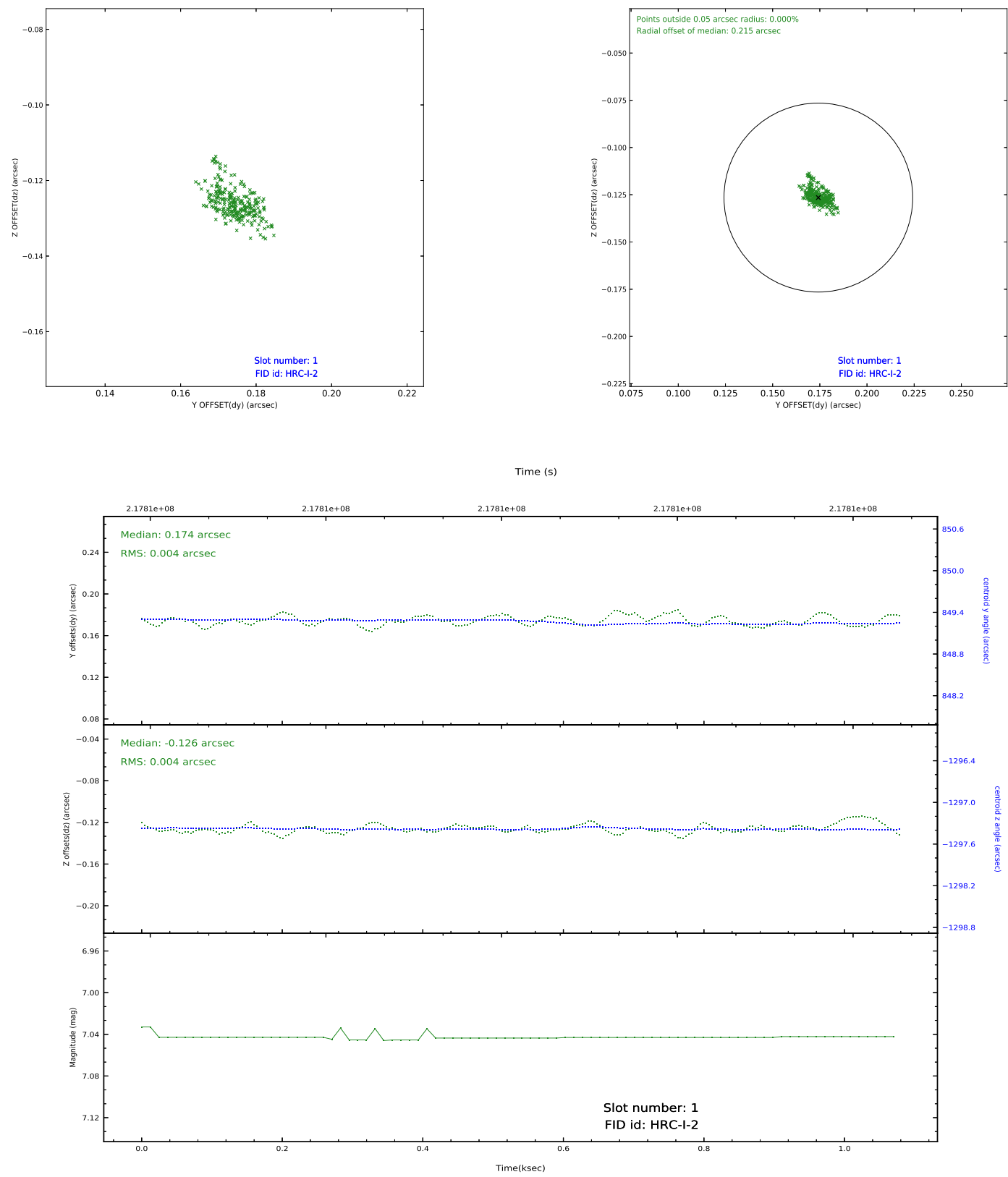


2.5 FID Slots

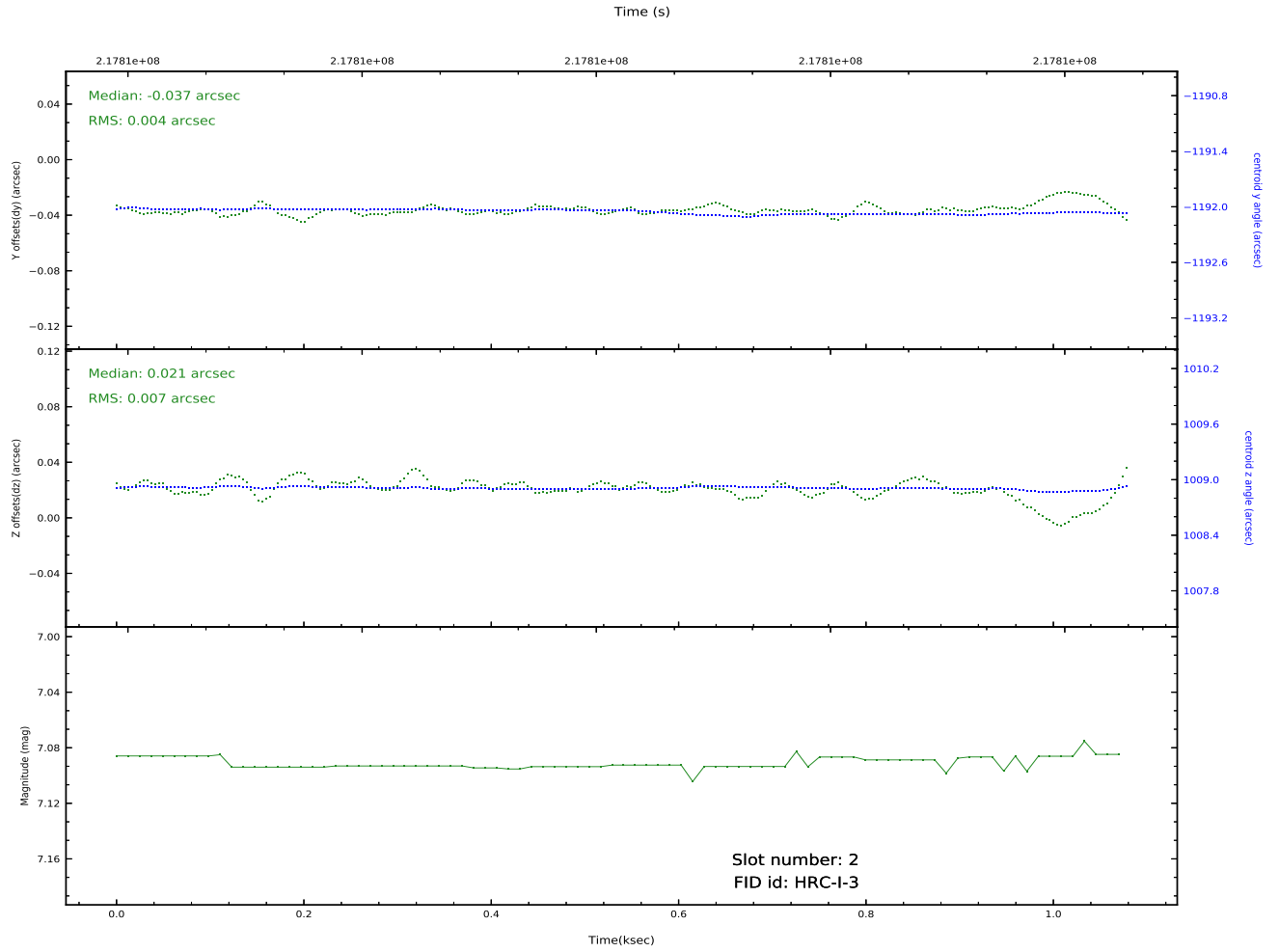
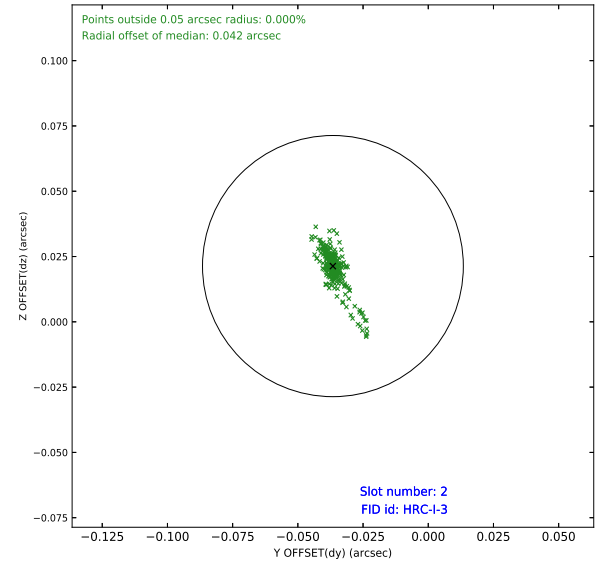
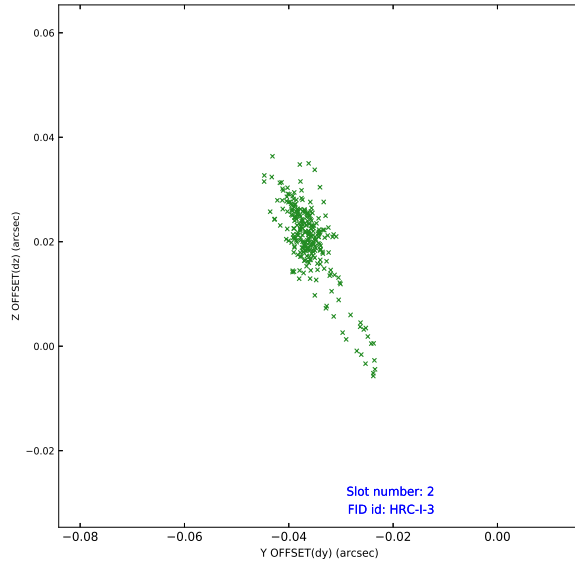
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.07958129

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.