

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5060 - L2 Version 5
Chandra X-Ray Center

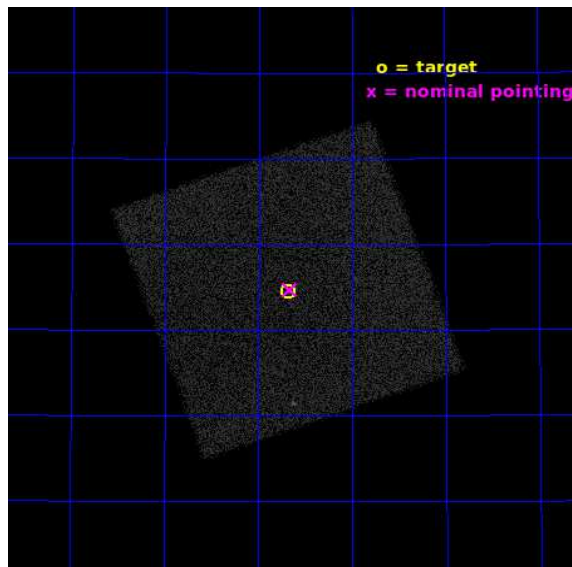
L2 Processing Date : Oct 1 2020

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1 Front

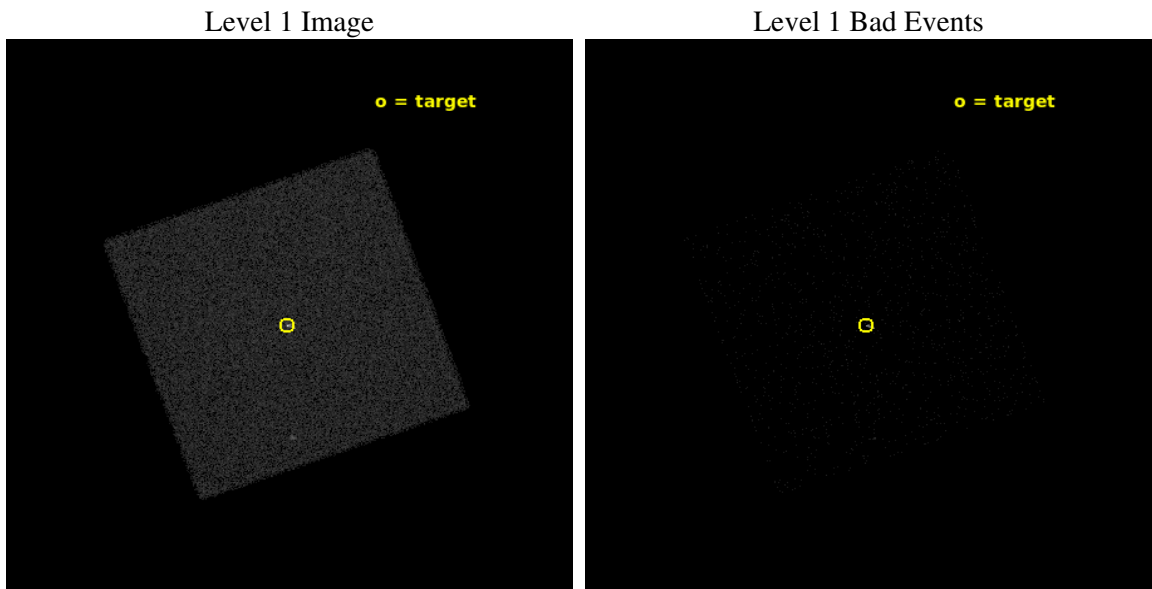
seq_num	290333	Sequence number
obs_id	5060	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16601636811	Nominal RA [deg]
dec_nom	45.745327280789	Nominal Dec [deg]
roll_nom	205.20724167702	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1147.2313012183	[s]
livetime	1136.3270125886	Ontime multiplied by DTCOR
l2events	70419	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1147.2313012183	[s]
caldsver	4.9.2	 	l1events	212258	Number of level 1 events
date	2020-10-02T00:25:36	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

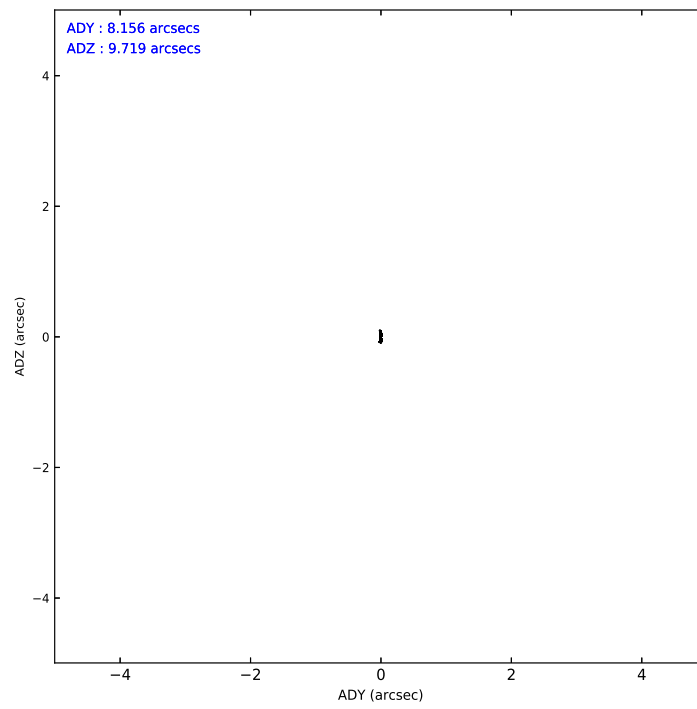
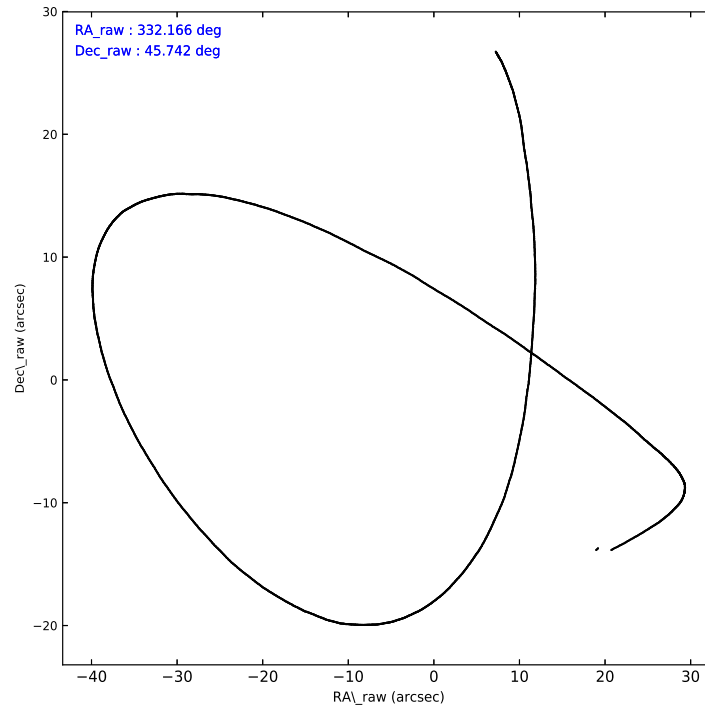
	segment 0
level 1 events	212258
rejected events	106602
rejected %	50%

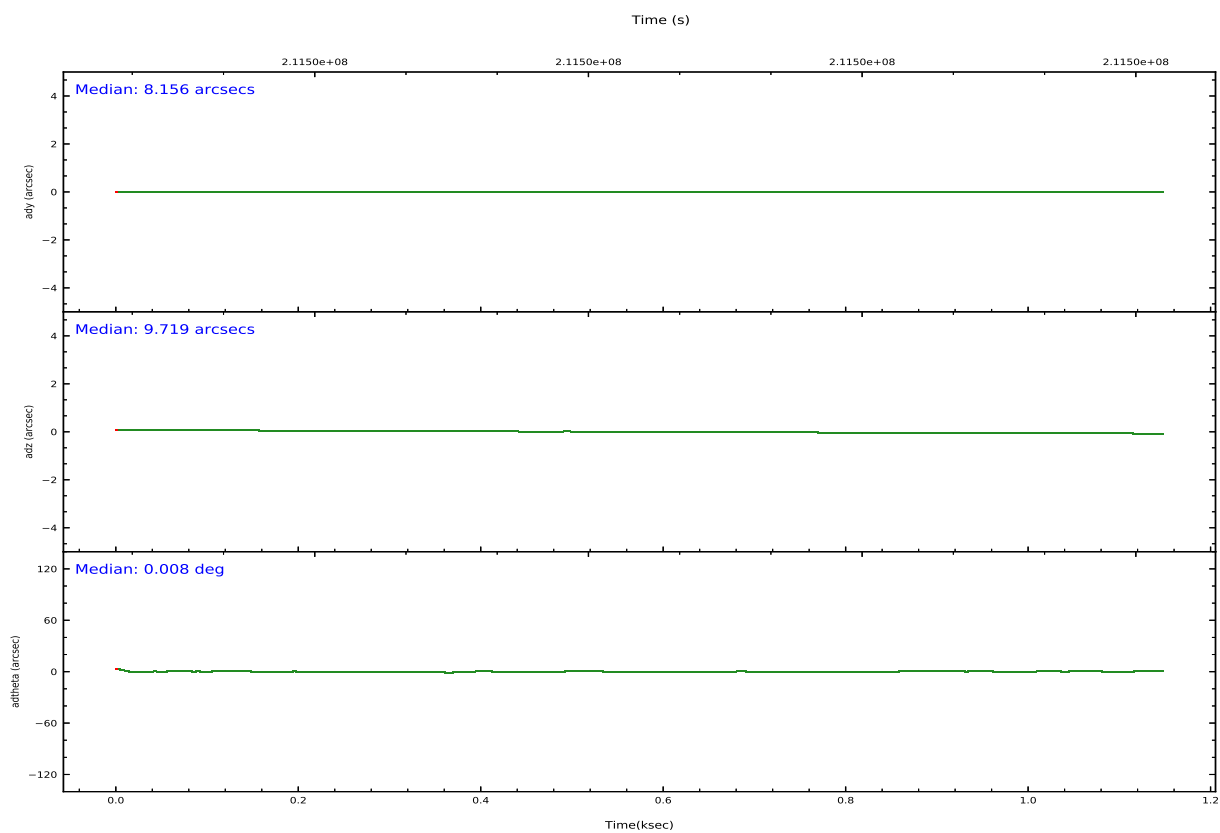
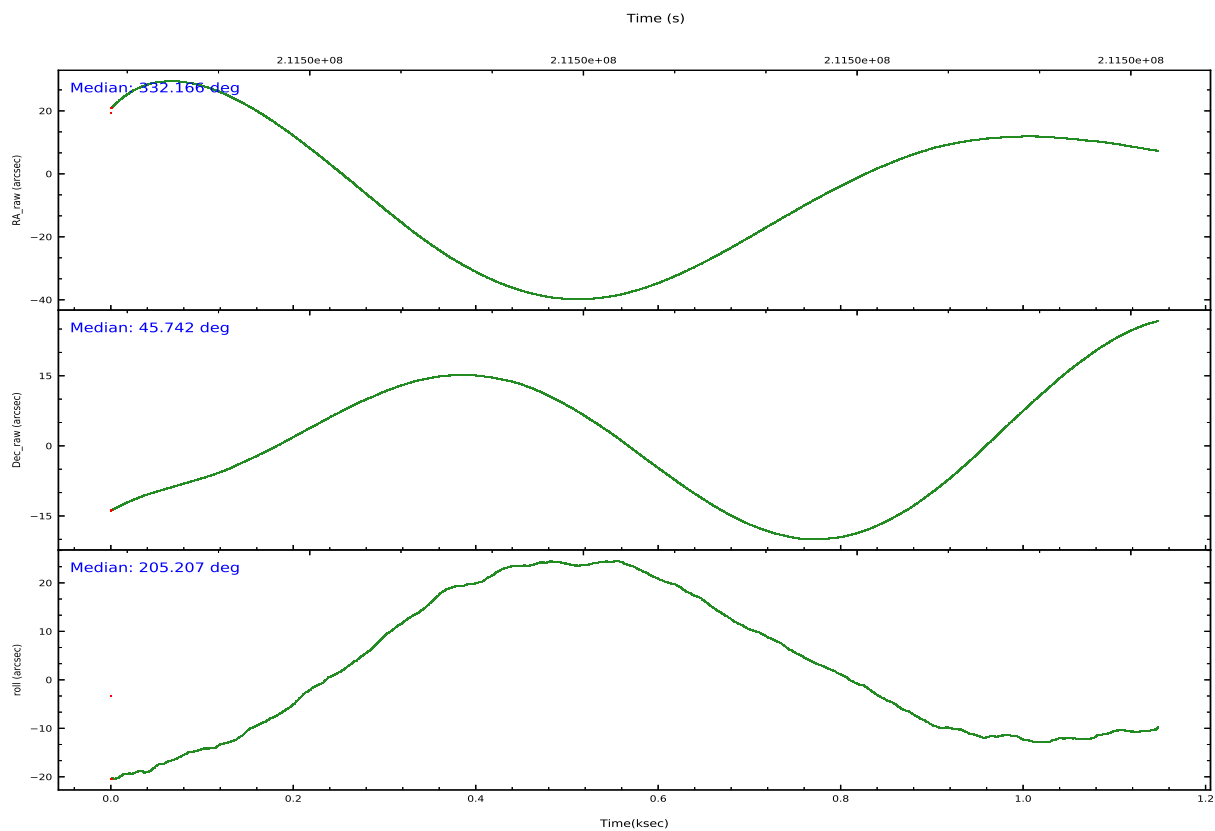
2.2 Compared Parameters

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	332.185454	332.16601636811
[deg] Pointing Dec	45.764739	45.745327280789
[deg] Pointing Roll	205.300100	205.20724167702
[s] Window start time (MET)	210384064.184000	210384064.184000
[s] Window stop time (MET)	212889664.184000	212889664.184000
[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)	211495229.184000	211493998.12656
Observation start date	2004-09-13T20:39:25	2004-09-13T20:19:58
[s] Observation end time (MET)	211496229.184000	211496380.22666
Observation end date	2004-09-13T20:56:05	2004-09-13T20:59:40

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

2.3 Aspect



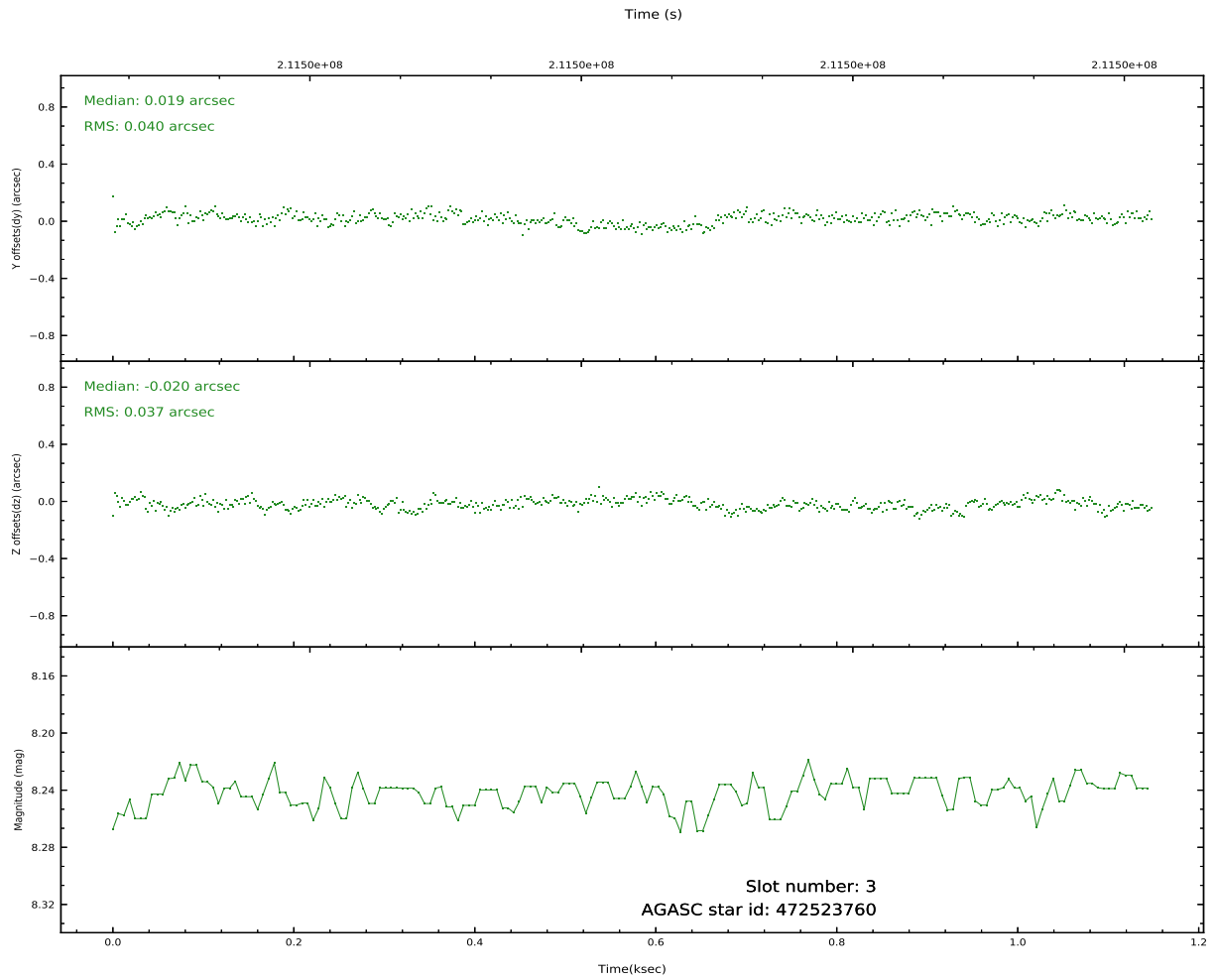
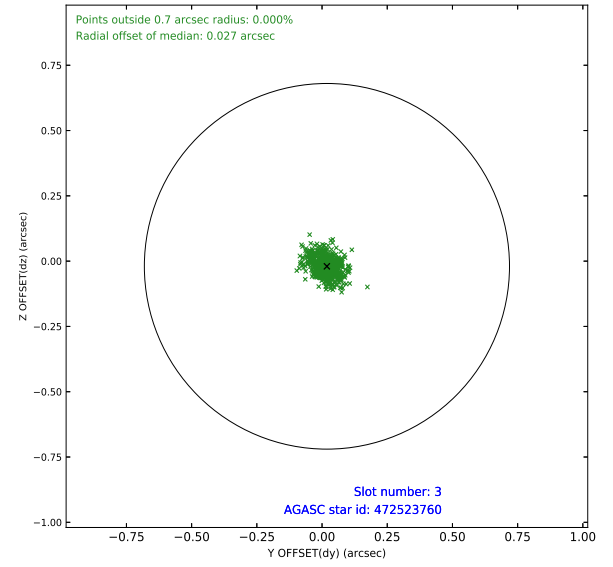
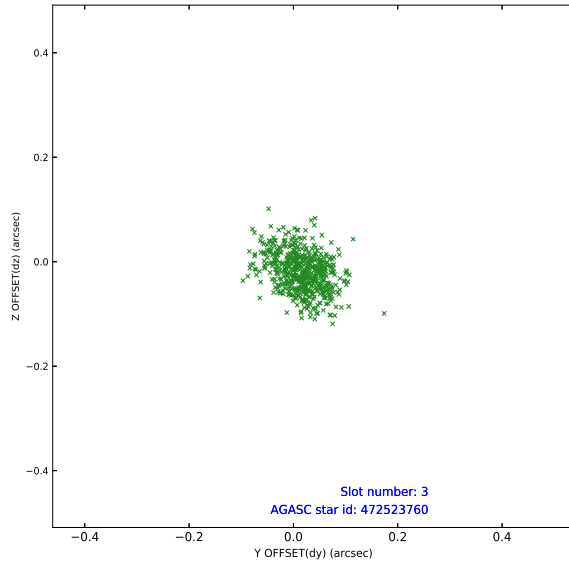


Slot Statistics

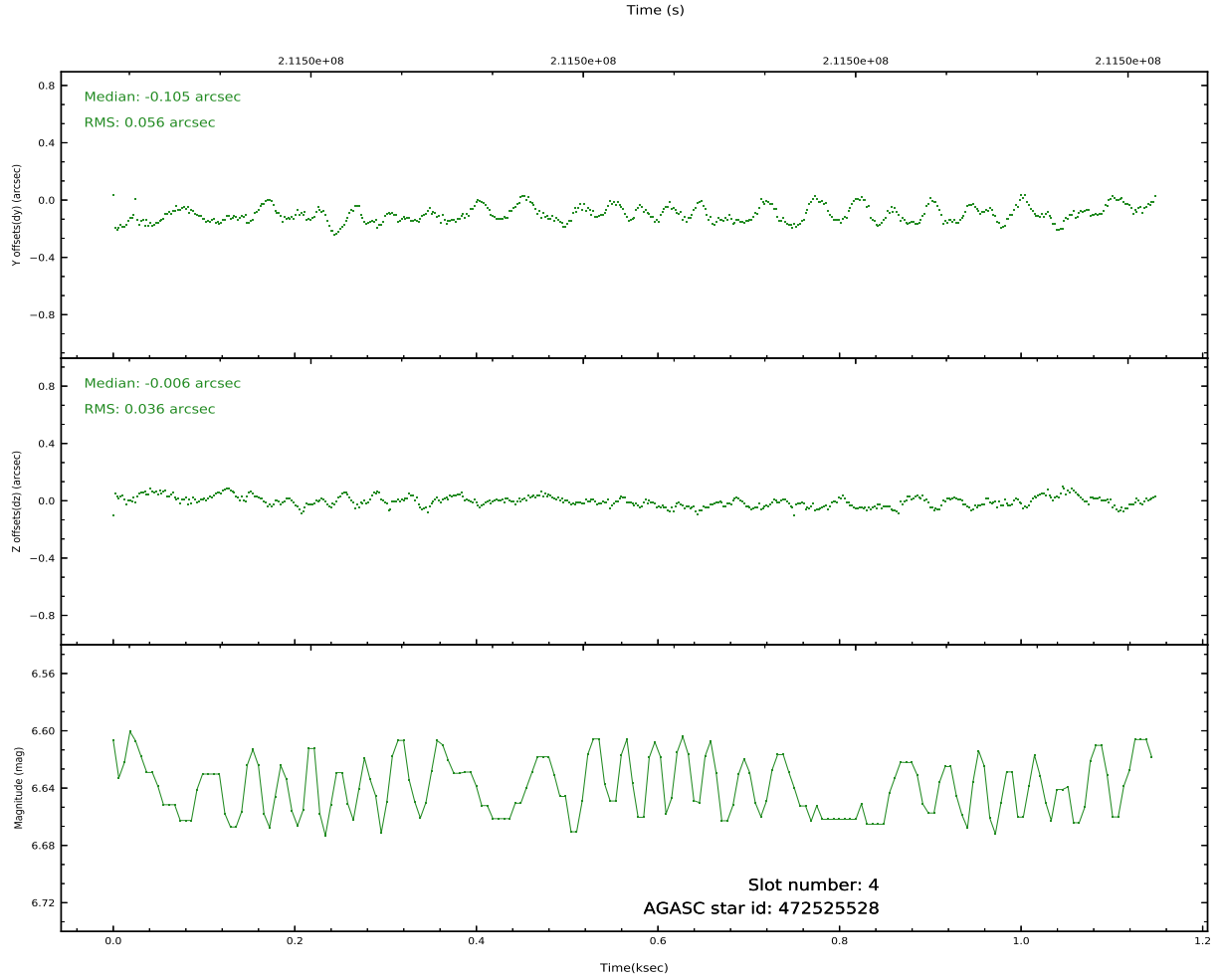
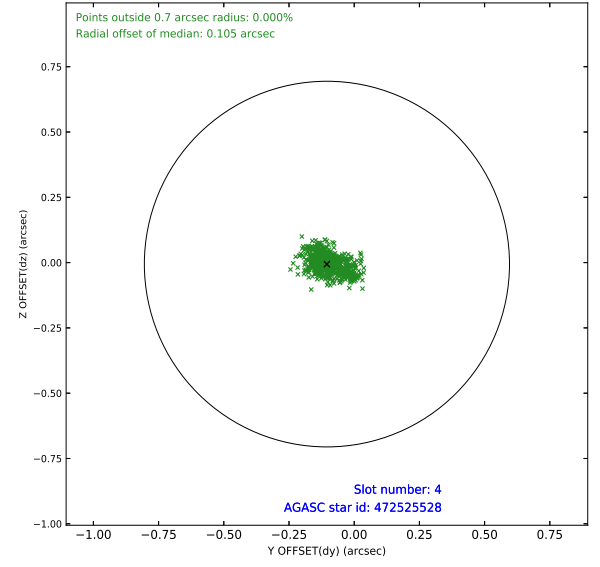
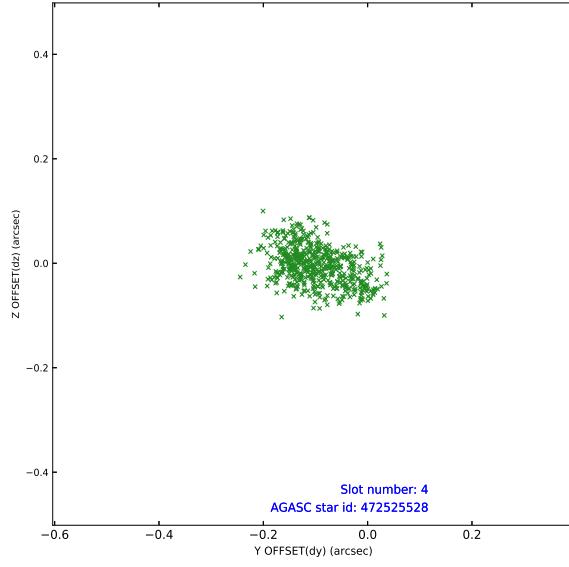
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.04	281	1.000	-0.051	0.012	0.006	0.012	0.000000	0.000000	-763.81	-1297
1	FID		HRC-I-2	7.08	281	1.000	0.176	-0.091	0.006	0.010	0.000000	0.000000	846.33	-1303
2	FID		HRC-I-3	7.14	280	1.000	-0.005	-0.011	0.006	0.011	0.000000	0.000000	-1189.25	1002
3	GUIDE	used	472523760	8.24	561	1.000	0.019	-0.020	0.057	0.093	331.645363	45.403260	1789.49	587
4	GUIDE	used	472525528	6.64	561	1.000	-0.105	-0.006	0.071	0.116	331.551102	45.248694	2248.81	986
5	GUIDE	used	472659832	9.46	560	1.000	0.032	0.083	0.098	0.189	332.780399	46.098139	-1852.87	-455
6	GUIDE	used	472533912	9.17	561	1.000	0.060	-0.003	0.113	0.183	331.791136	46.368695	-46.62	-2388
7	GUIDE	used	472654568	9.43	560	1.000	-0.011	-0.058	0.121	0.196	332.194449	45.063576	1058.94	2286

2.4 Star Slots

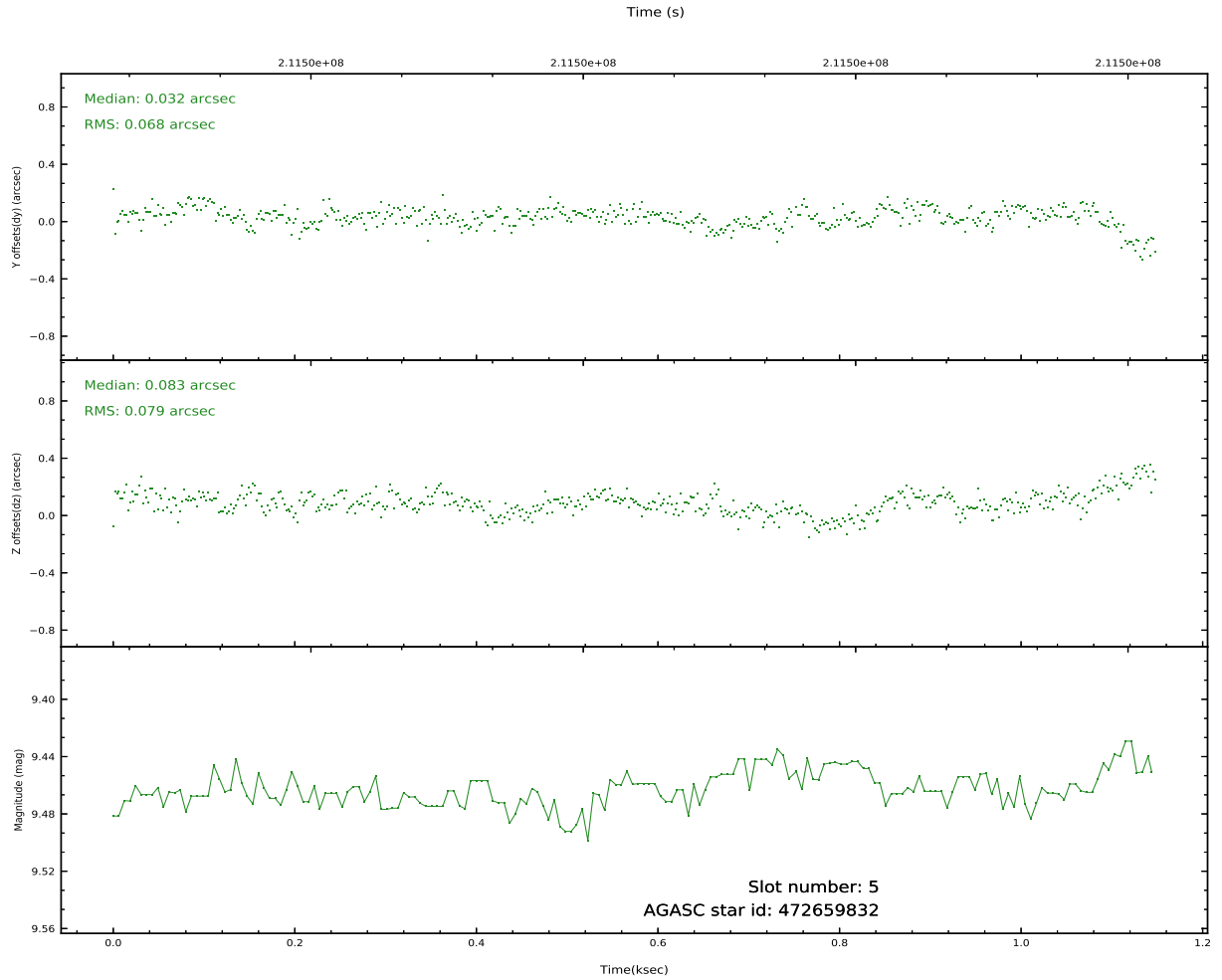
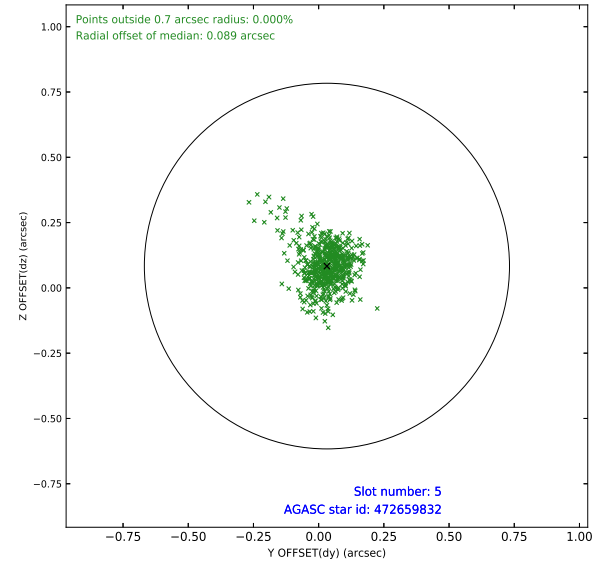
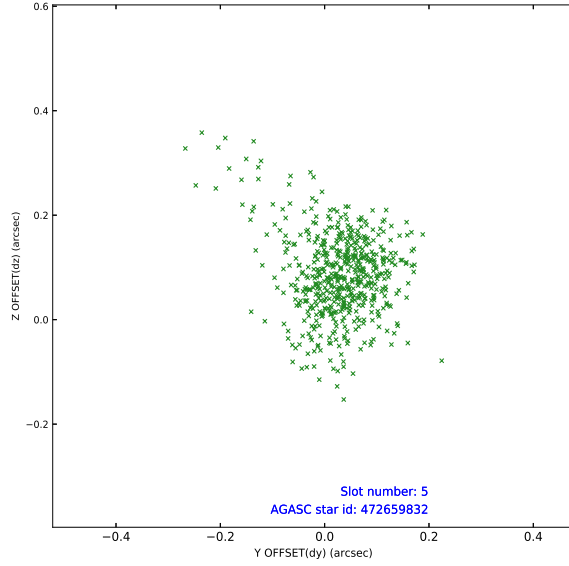
2.4.1 Slot 3



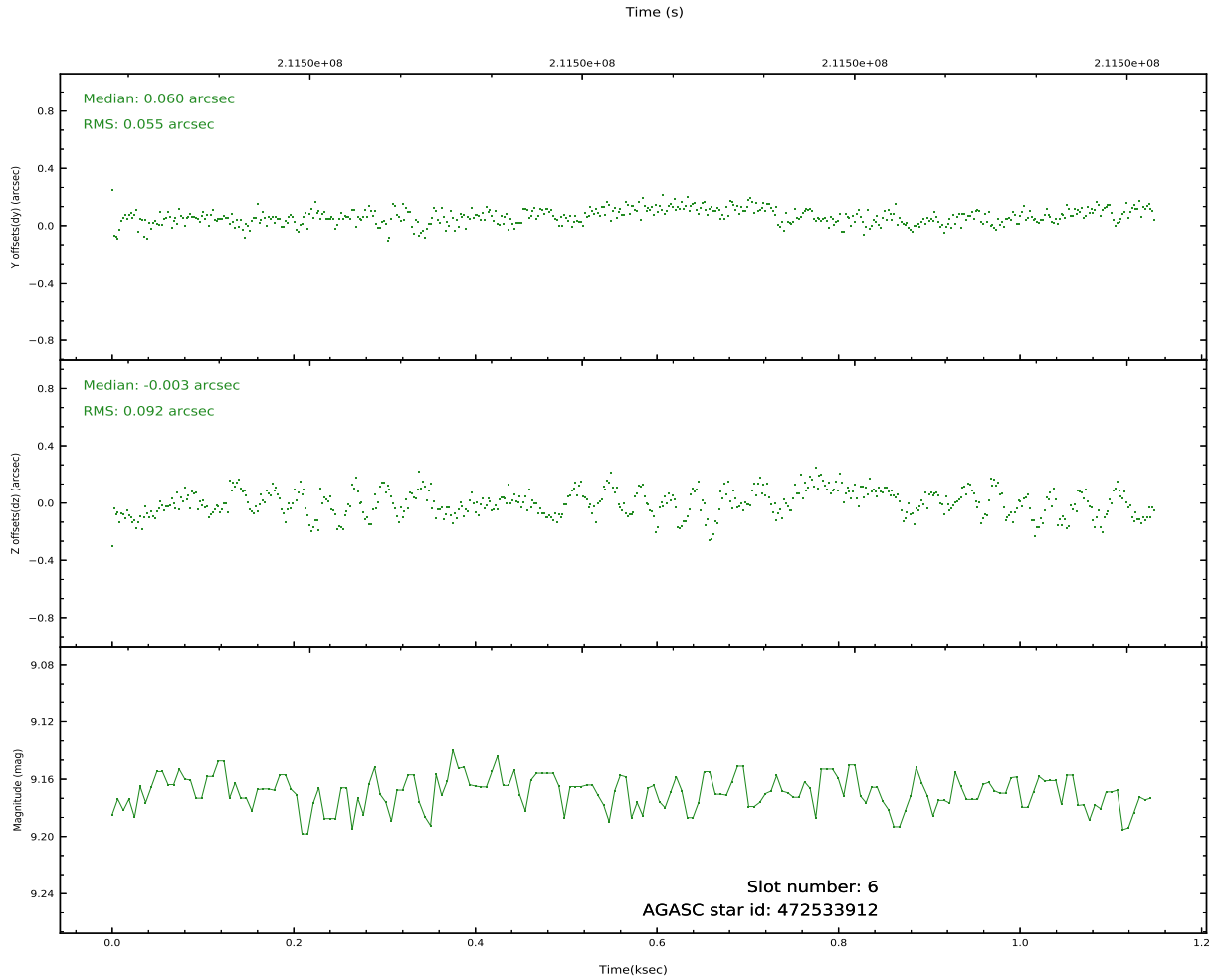
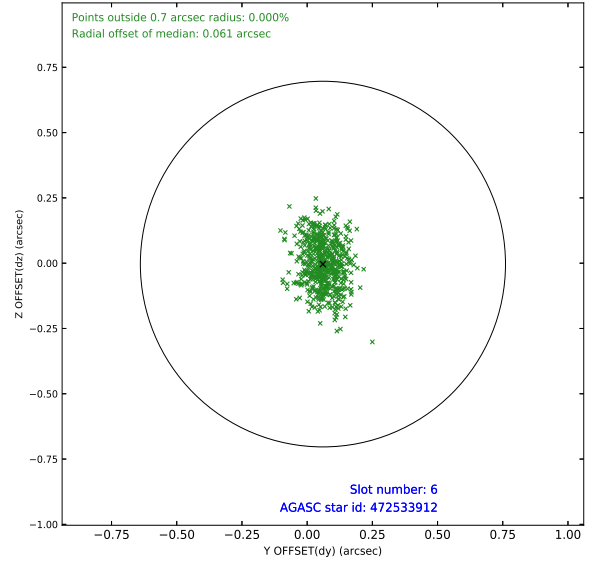
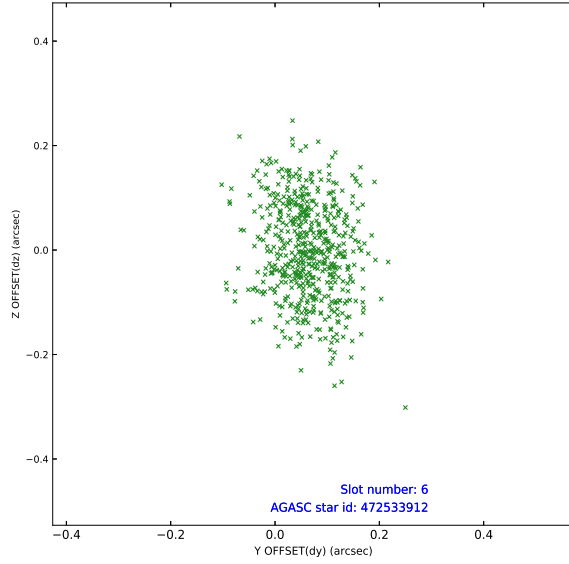
2.4.2 Slot 4



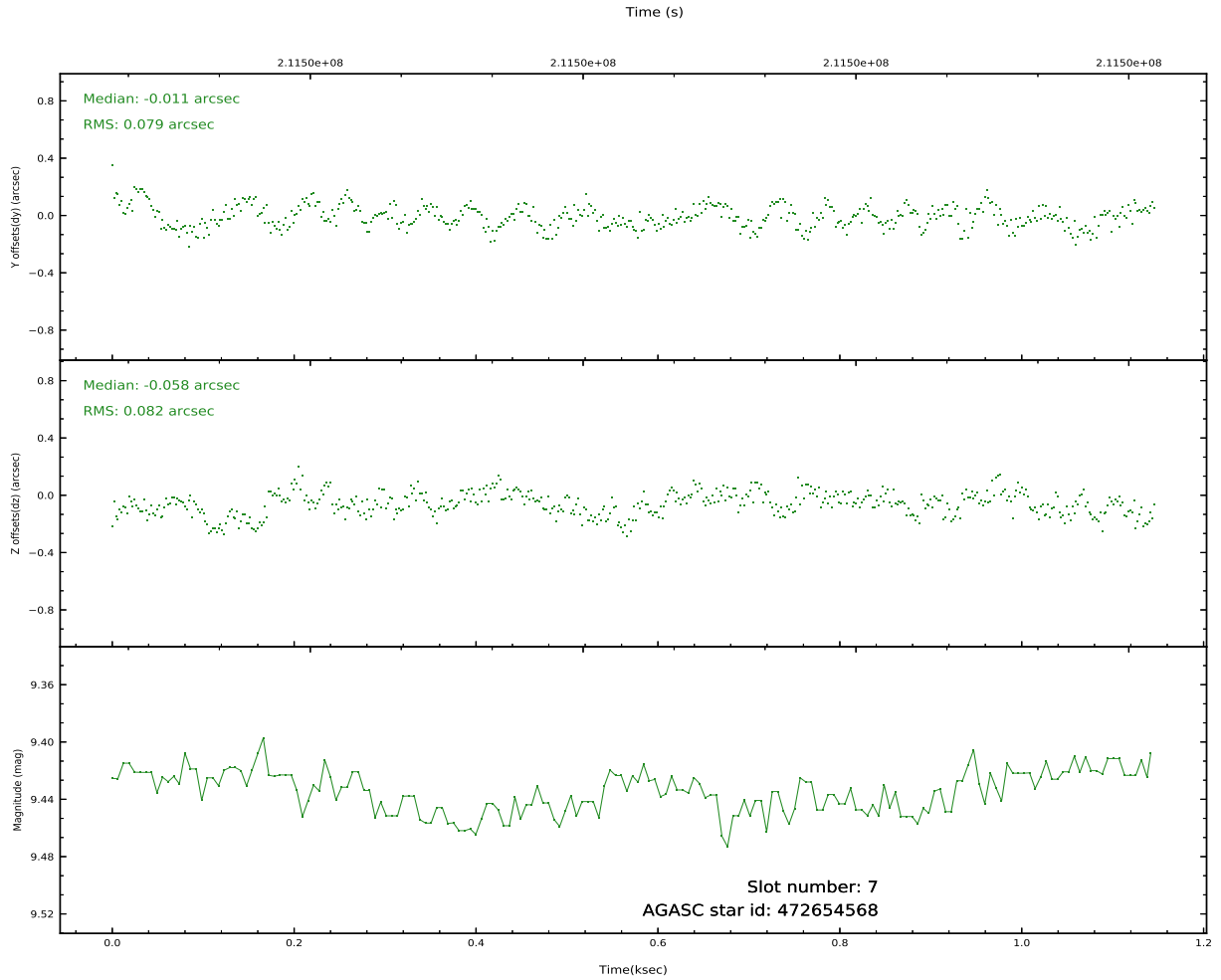
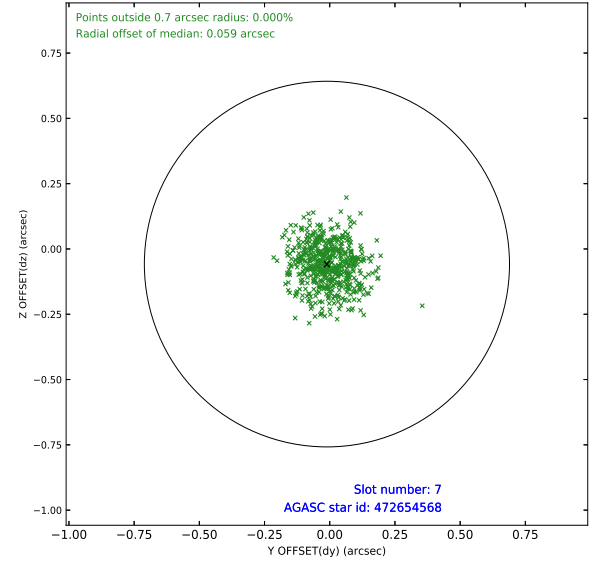
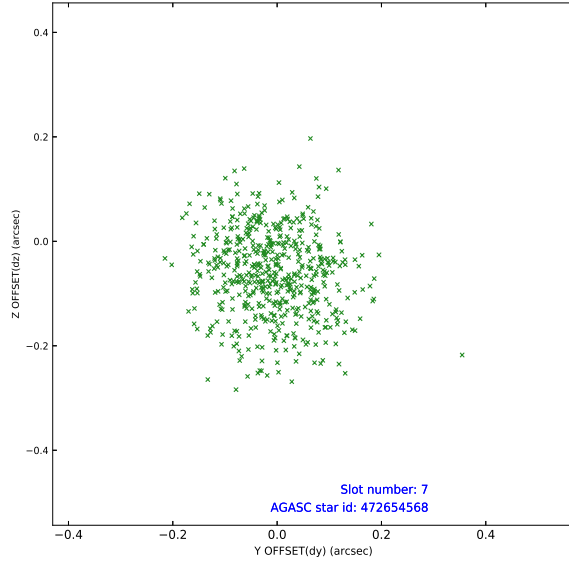
2.4.3 Slot 5



2.4.4 Slot 6

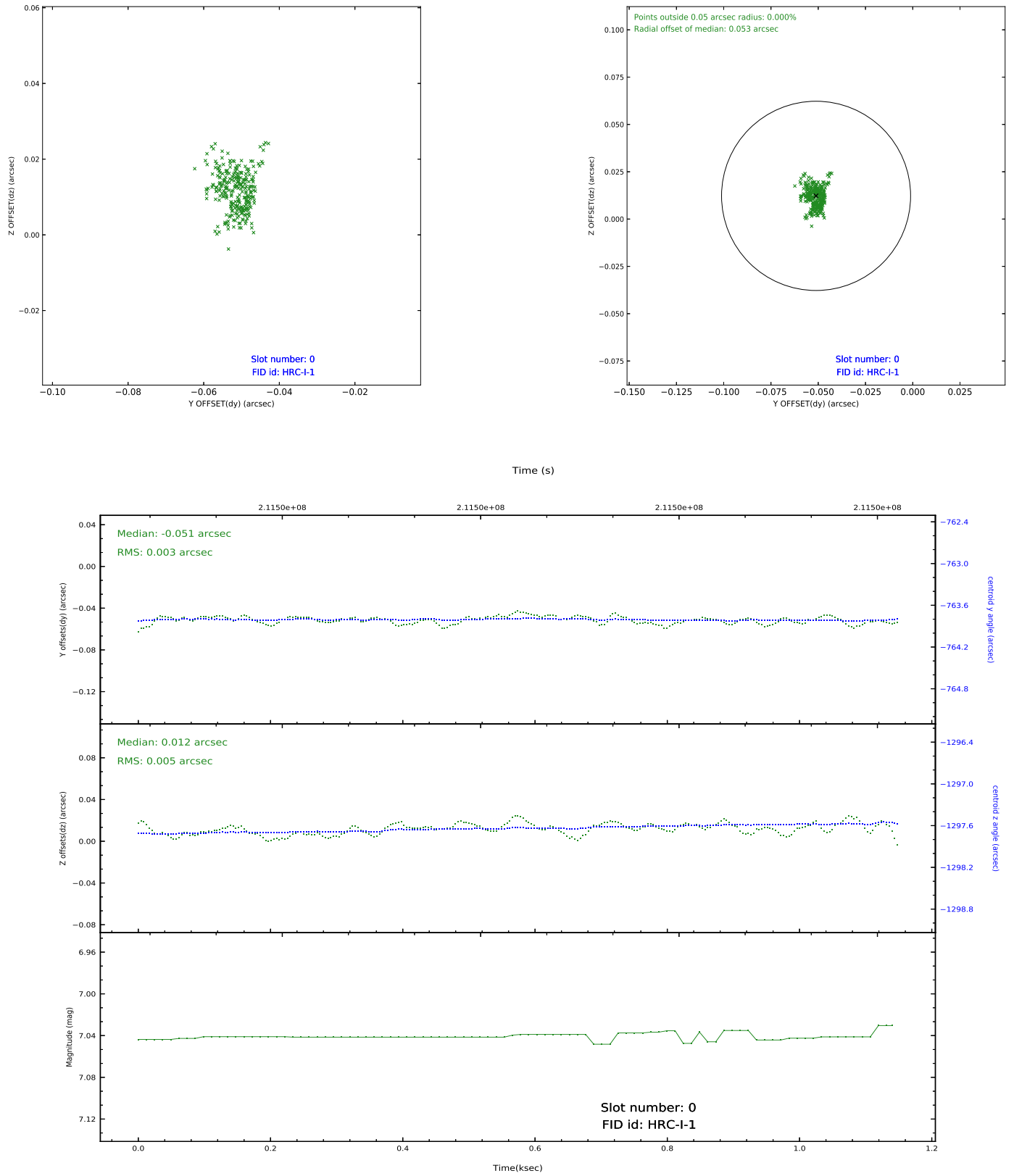


2.4.5 Slot 7

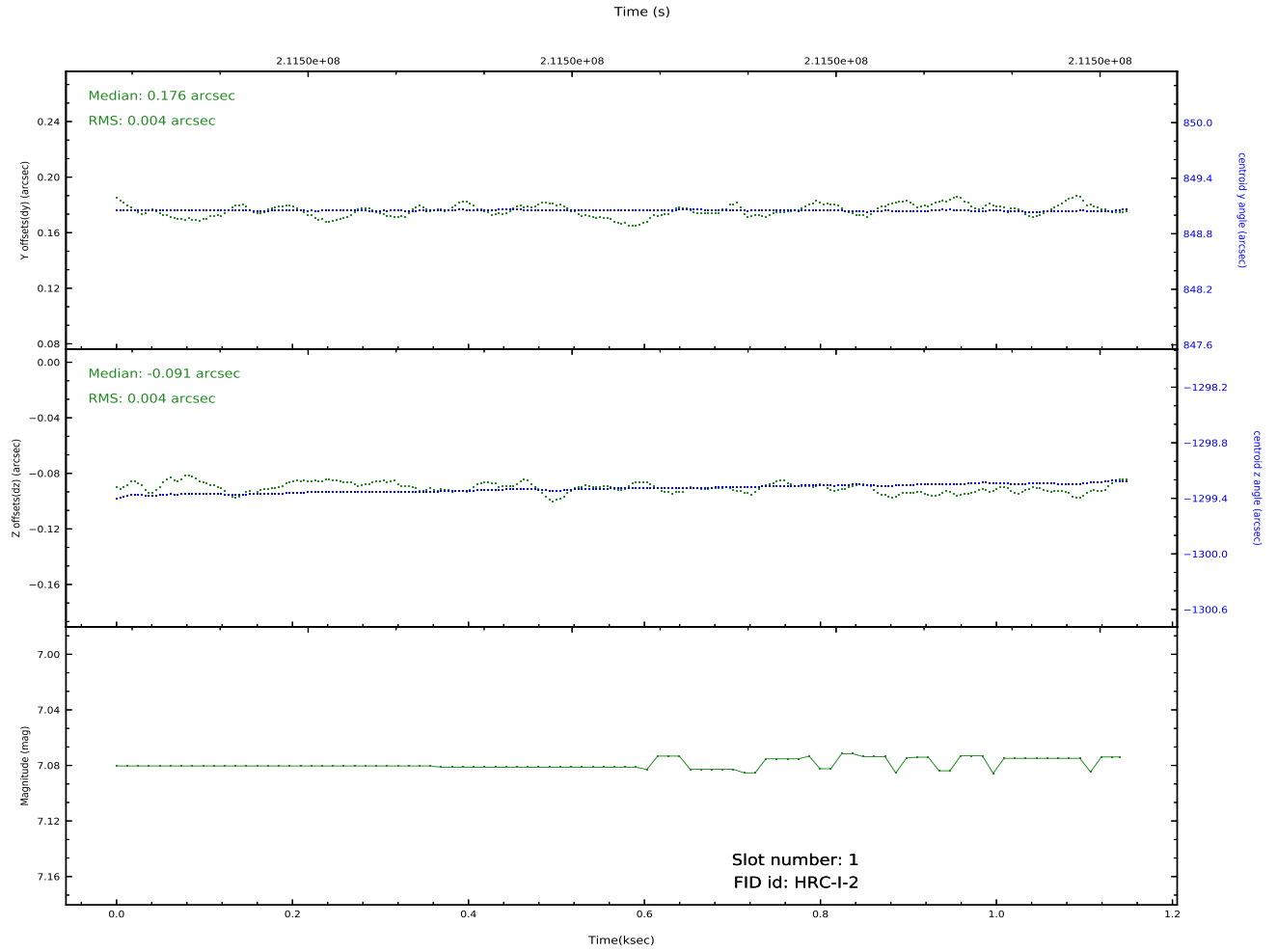
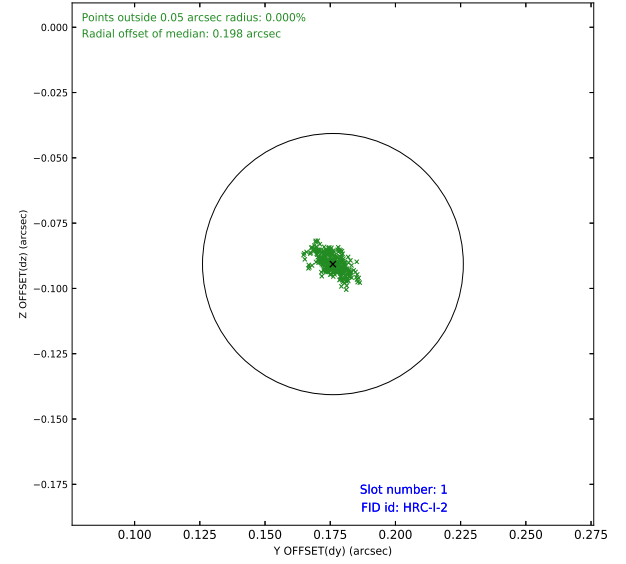
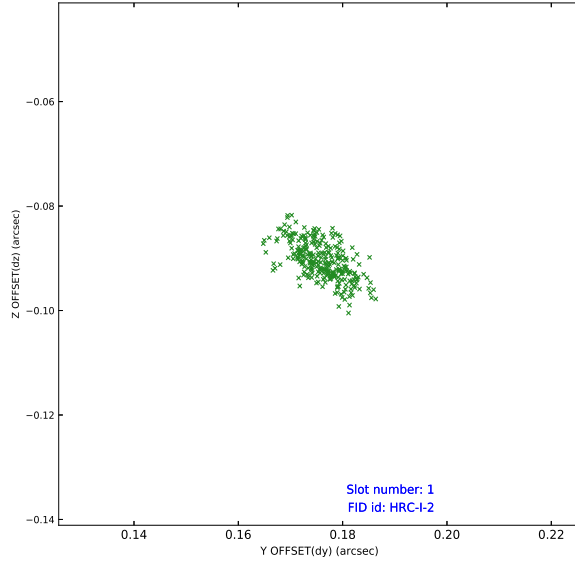


2.5 FID Slots

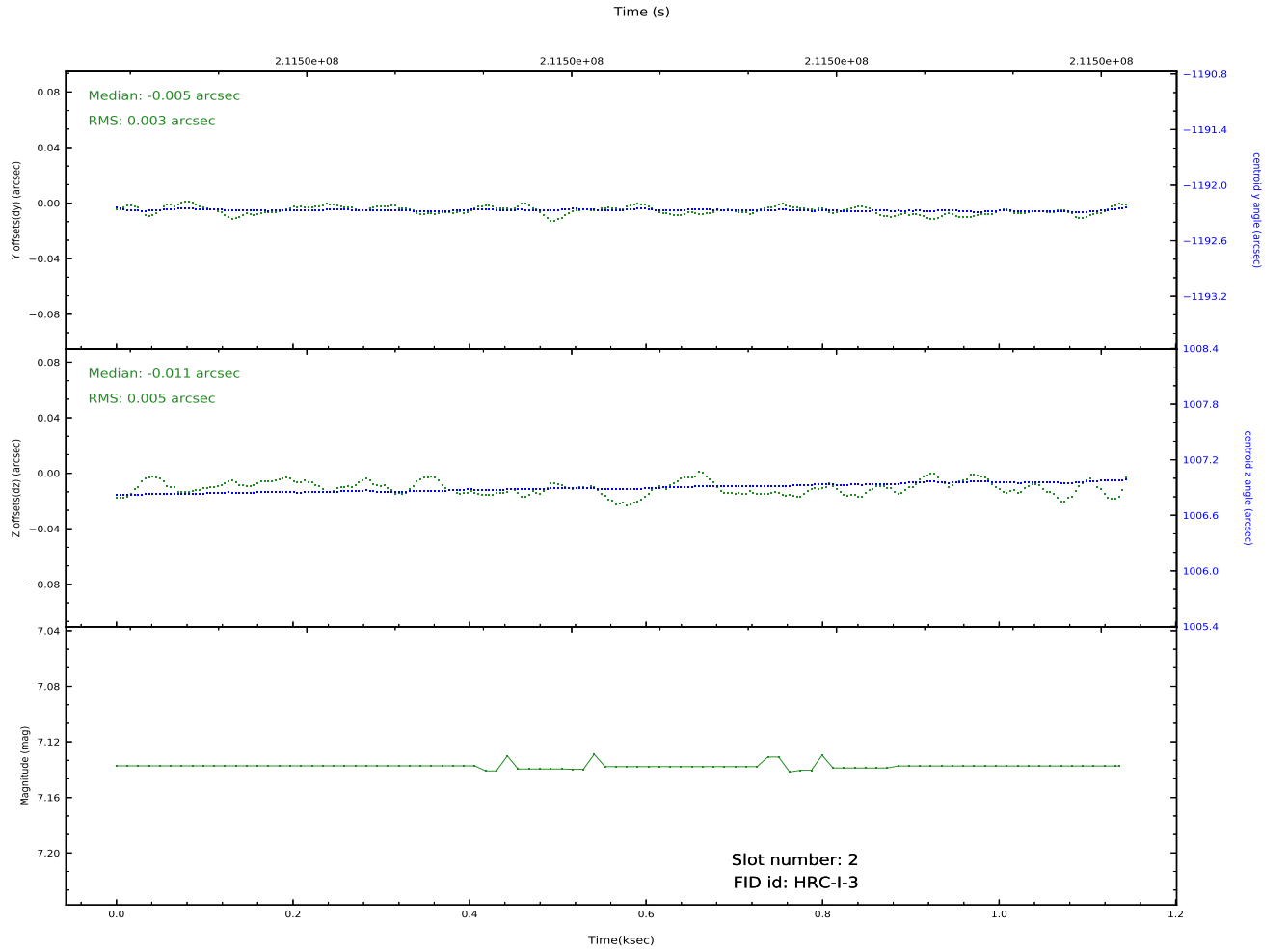
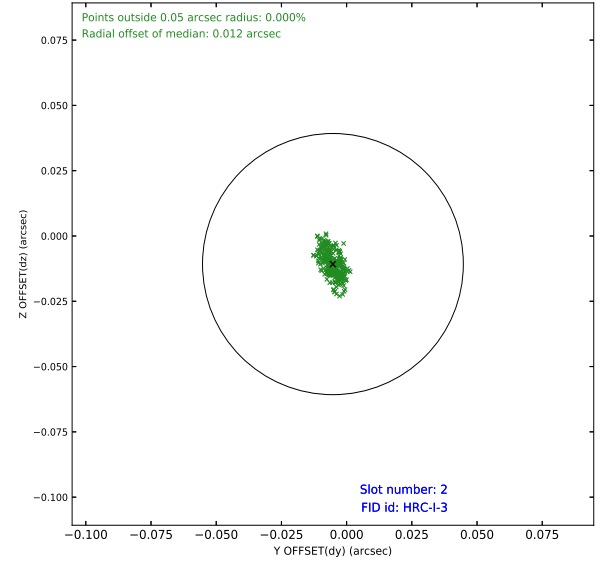
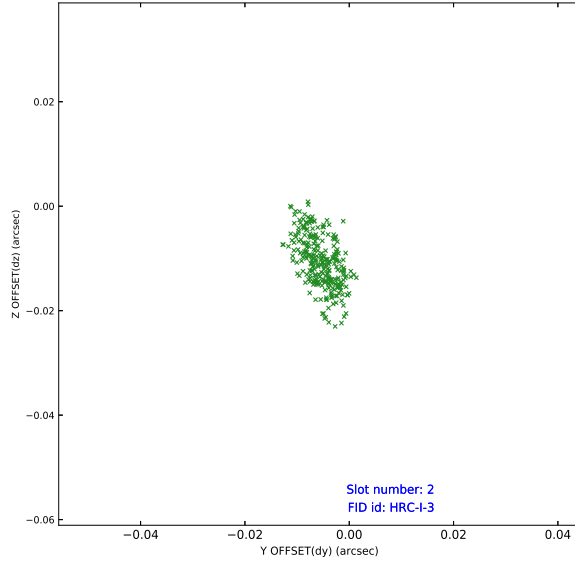
2.5.1 Slot 0



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)	2020.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.147

A.2 Comments

Window preference met.