

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5061 - L2 Version 5
Chandra X-Ray Center

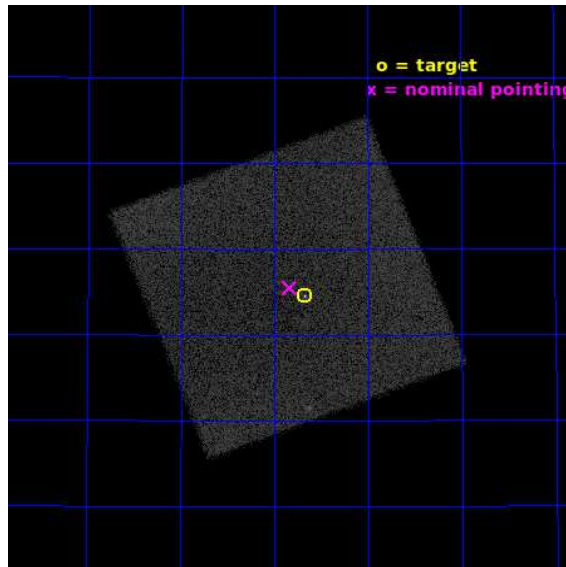
L2 Processing Date : Oct 1 2020

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1 Front

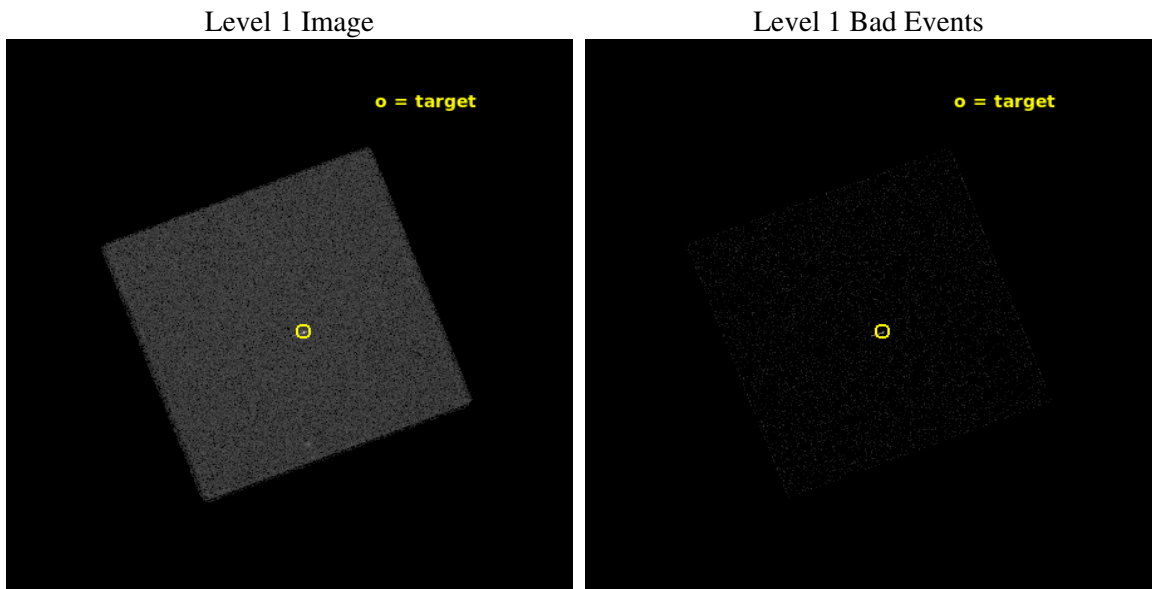
seq_num	290334	Sequence number
obs_id	5061	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20908930316	Nominal RA [deg]
dec_nom	45.758612082202	Nominal Dec [deg]
roll_nom	203.86393869713	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1177.7250525653	[s]
livetime	1116.2695917291	Ontime multiplied by DTCOR
l2events	122388	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	1177.7250525653	[s]
caldbver	4.9.2	 	l1events	240903	Number of level 1 events
date	2020-10-02T00:27:50	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

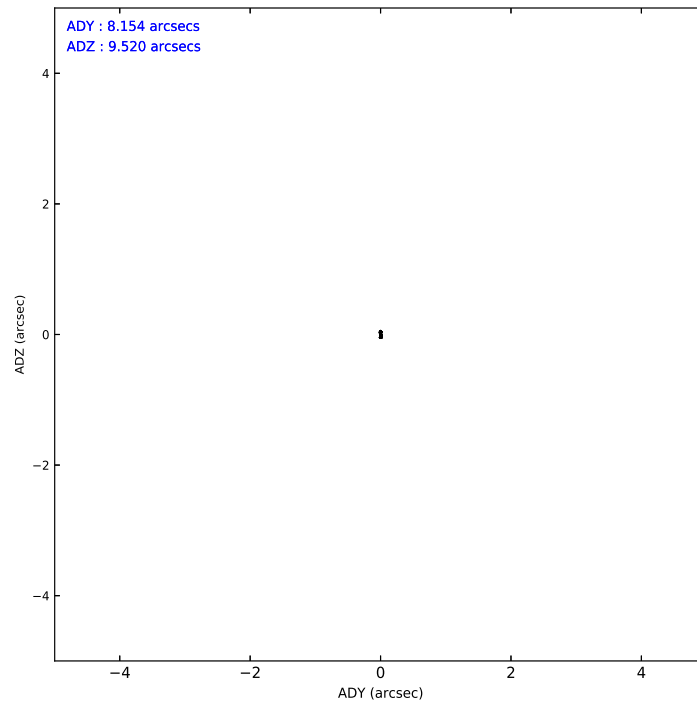
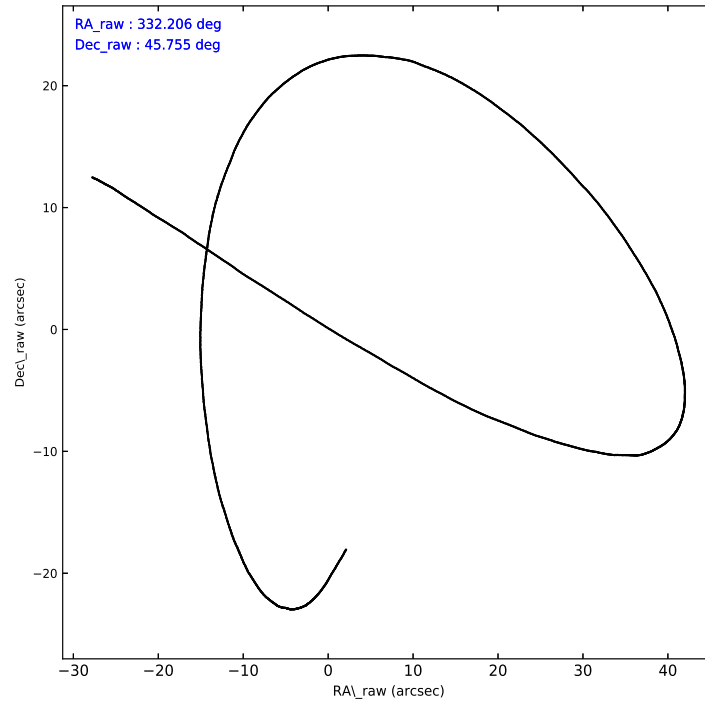
	segment 0
level 1 events	240903
rejected events	49876
rejected %	20%

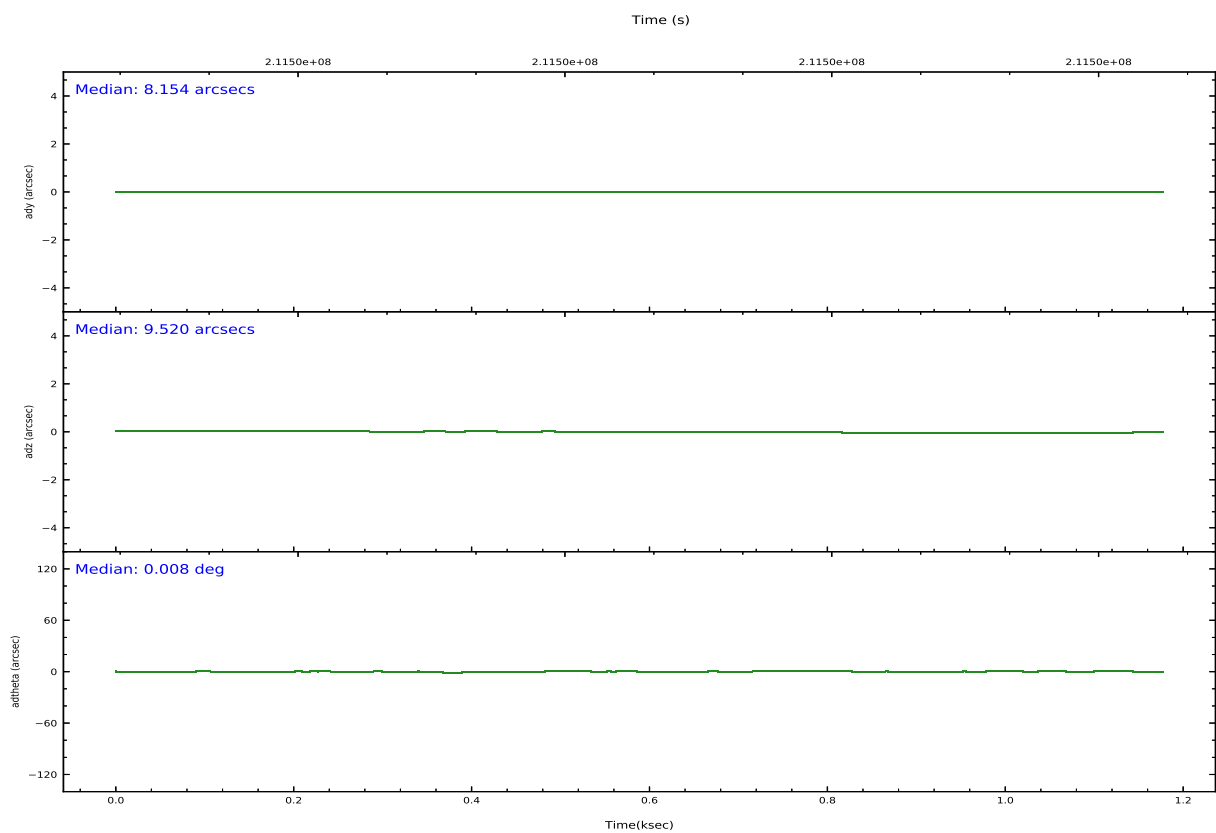
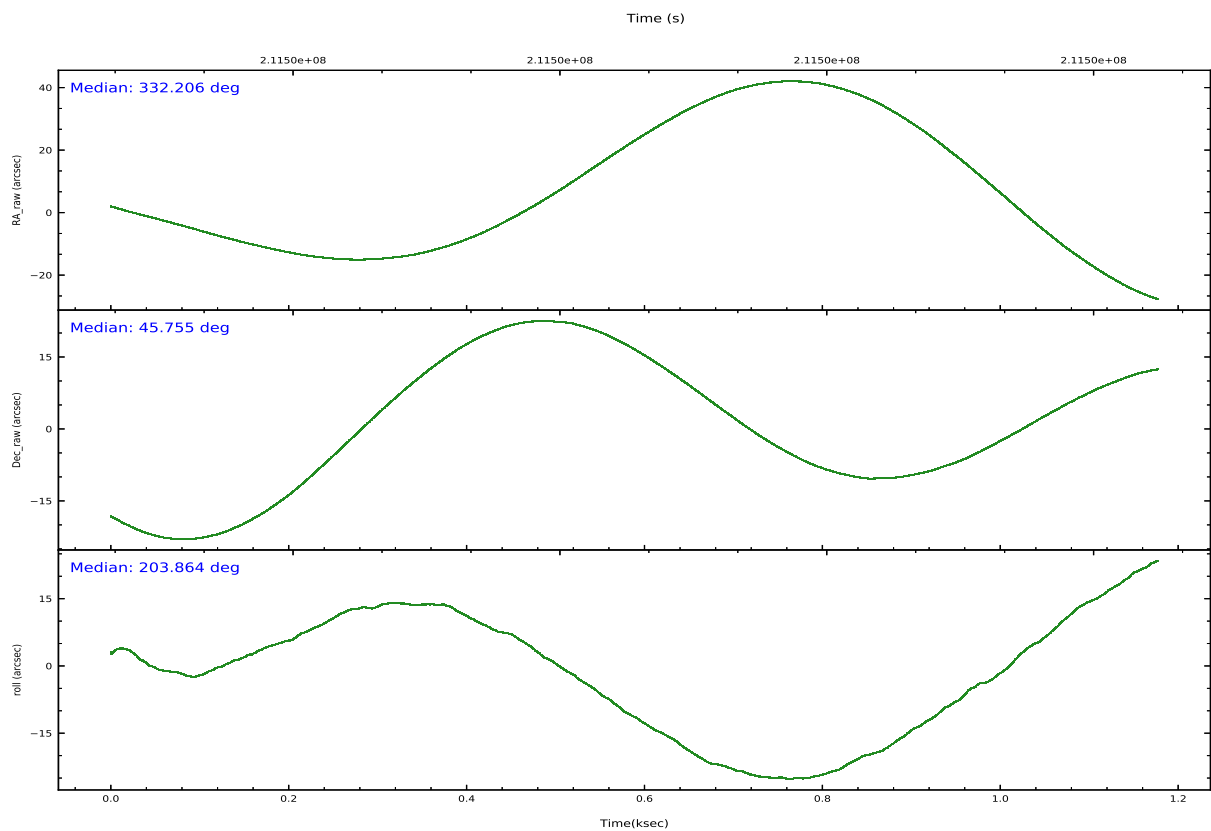
2.2 Compared Parameters

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	332.229854	332.20908930316
[deg] Pointing Dec	45.778019	45.758612082202
[deg] Pointing Roll	203.957121	203.86393869713
[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)	211496773.184000	211496380.22666
Observation start date	2004-09-13T21:05:09	2004-09-13T20:59:40
[s] Observation end time (MET)	211497773.184000	211497925.92673
Observation end date	2004-09-13T21:21:49	2004-09-13T21:25:25

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

2.3 Aspect



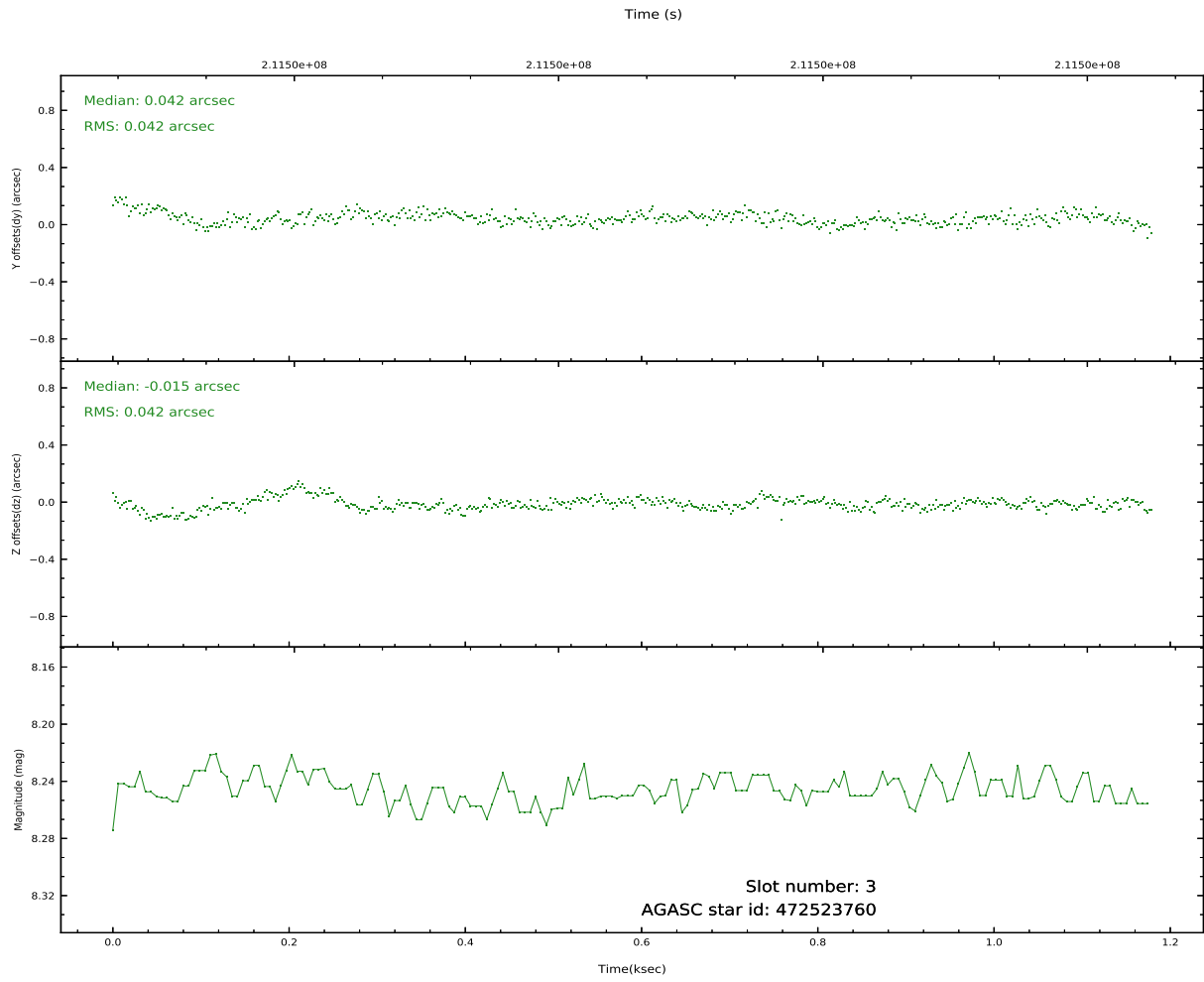
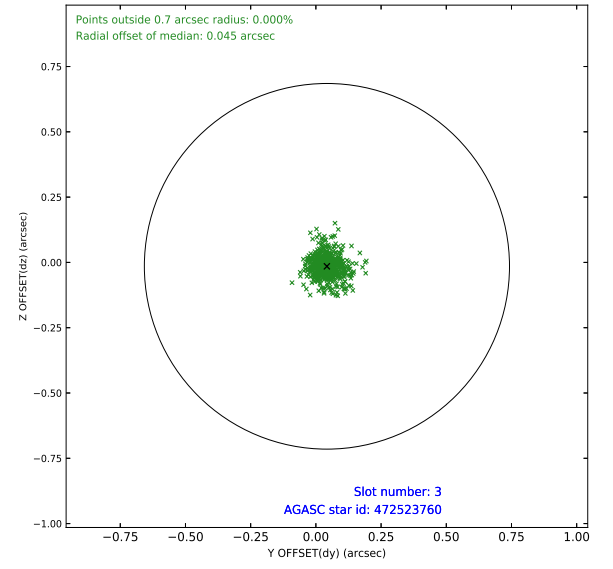
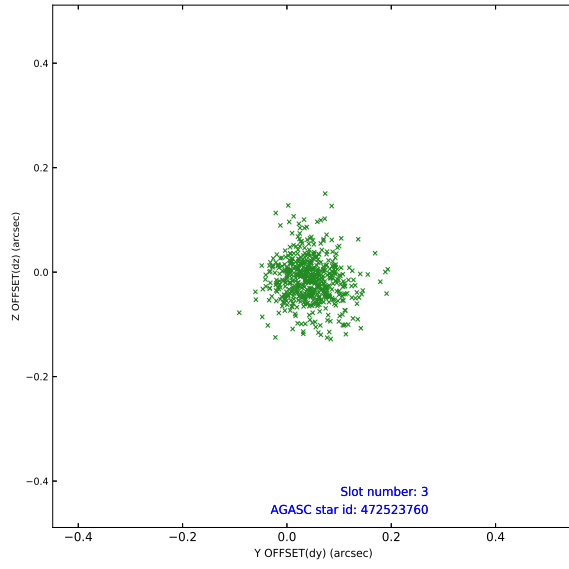


Slot Statistics

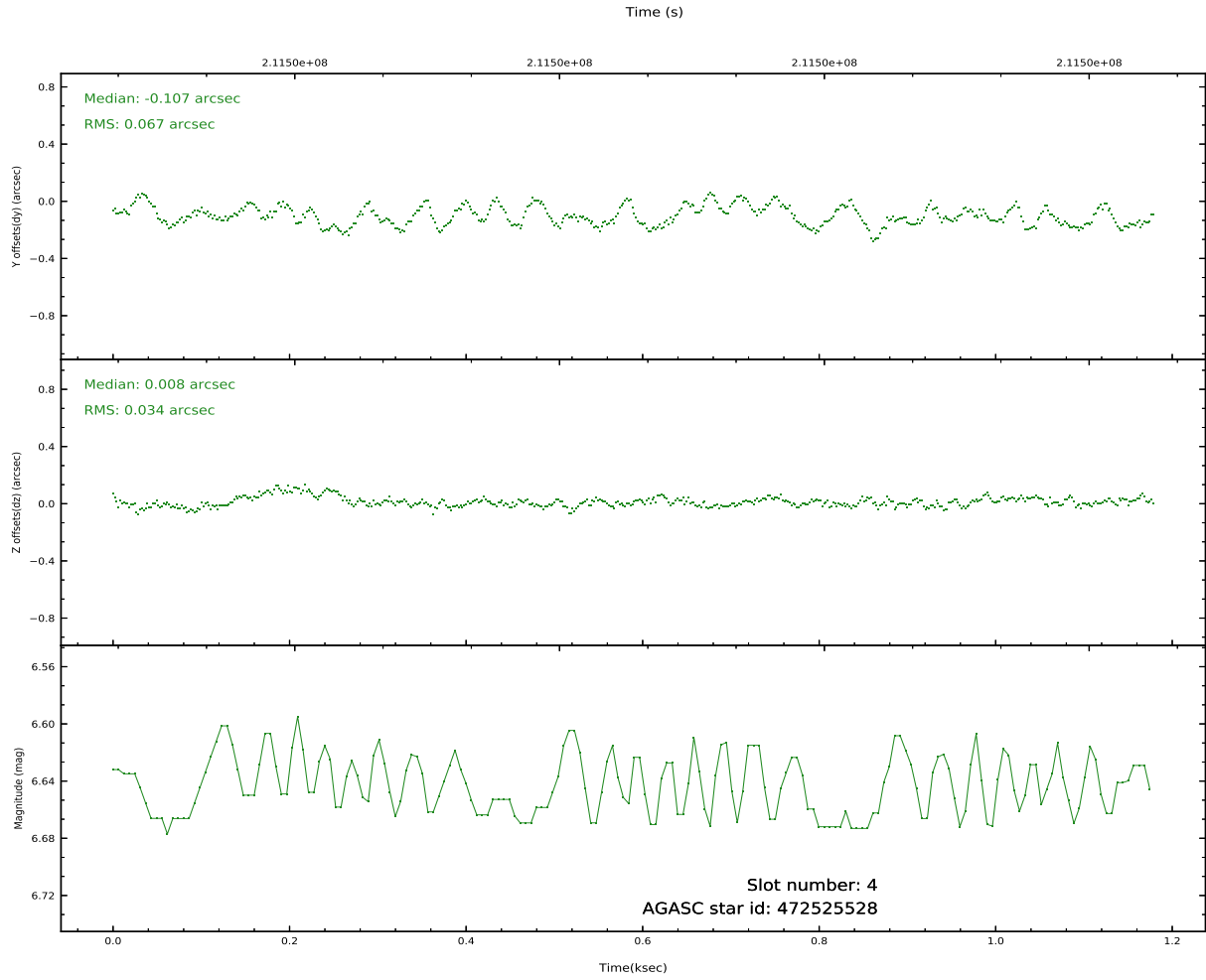
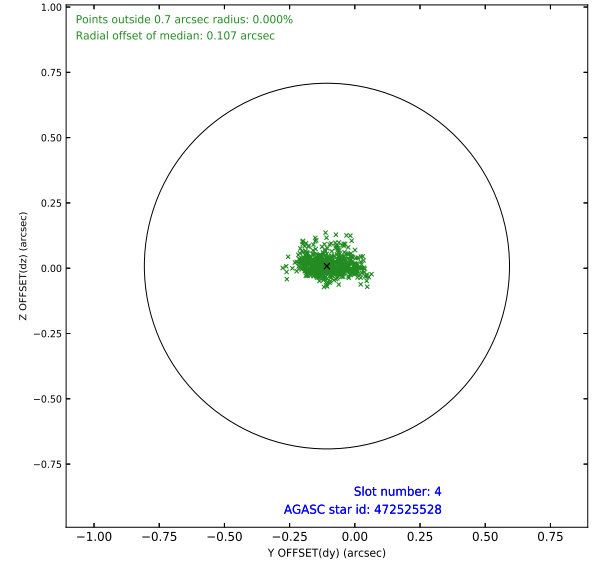
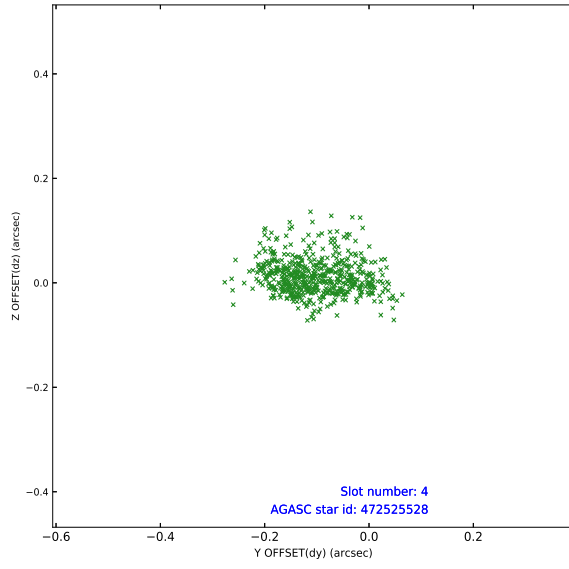
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.04	288	1.000	-0.049	0.017	0.008	0.013	0.000000	0.000000	-763.81	-1297
1	FID		HRC-I-2	7.08	288	1.000	0.180	-0.100	0.007	0.012	0.000000	0.000000	846.40	-1303
2	FID		HRC-I-3	7.13	288	1.000	-0.013	-0.006	0.006	0.011	0.000000	0.000000	-1189.34	1002
3	GUIDE	used	472523760	8.25	576	1.000	0.042	-0.015	0.061	0.112	331.645363	45.403260	1894.81	626
4	GUIDE	used	472525528	6.65	576	1.000	-0.107	0.008	0.081	0.133	331.551102	45.248694	2344.97	1035
5	GUIDE	used	472659832	9.46	576	1.000	0.118	0.076	0.103	0.196	332.780399	46.098139	-1722.57	-499
6	GUIDE	used	472533912	9.15	576	1.000	-0.022	-0.032	0.132	0.217	331.791136	46.368695	127.53	-2391
7	GUIDE	used	472654568	9.42	575	1.000	-0.037	-0.038	0.142	0.234	332.194449	45.063576	1125.76	2307

2.4 Star Slots

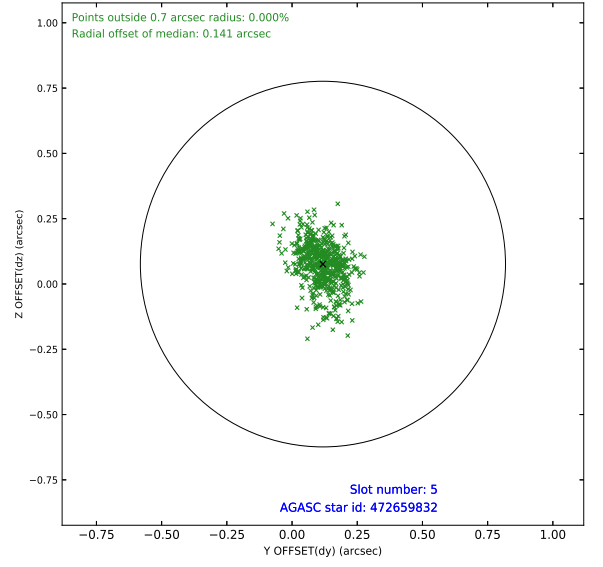
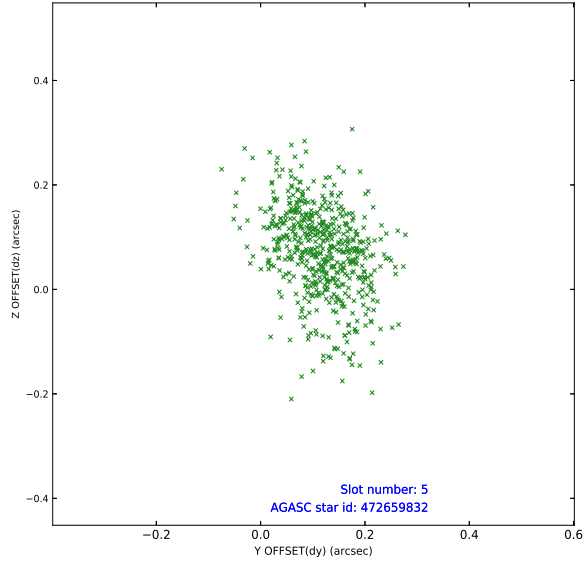
2.4.1 Slot 3



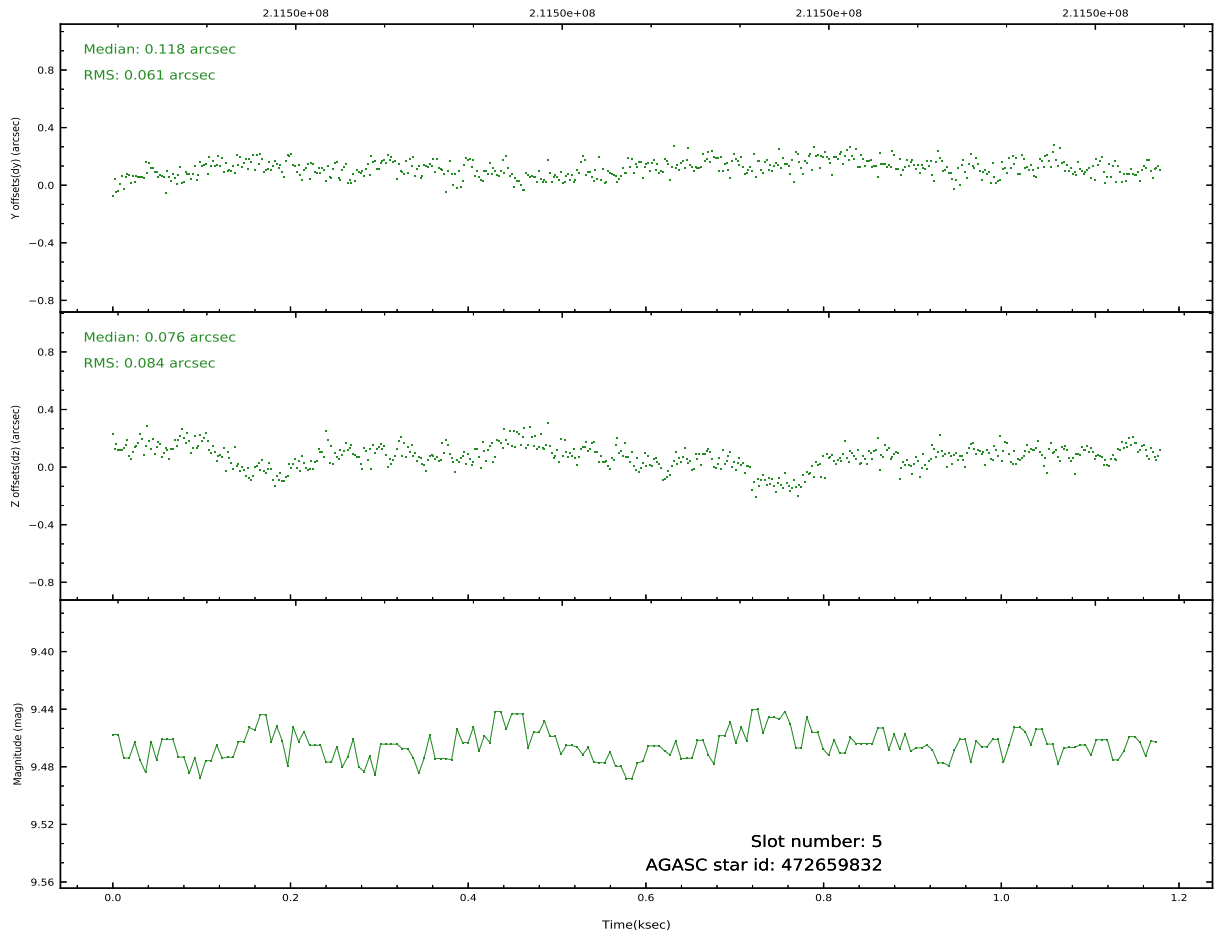
2.4.2 Slot 4



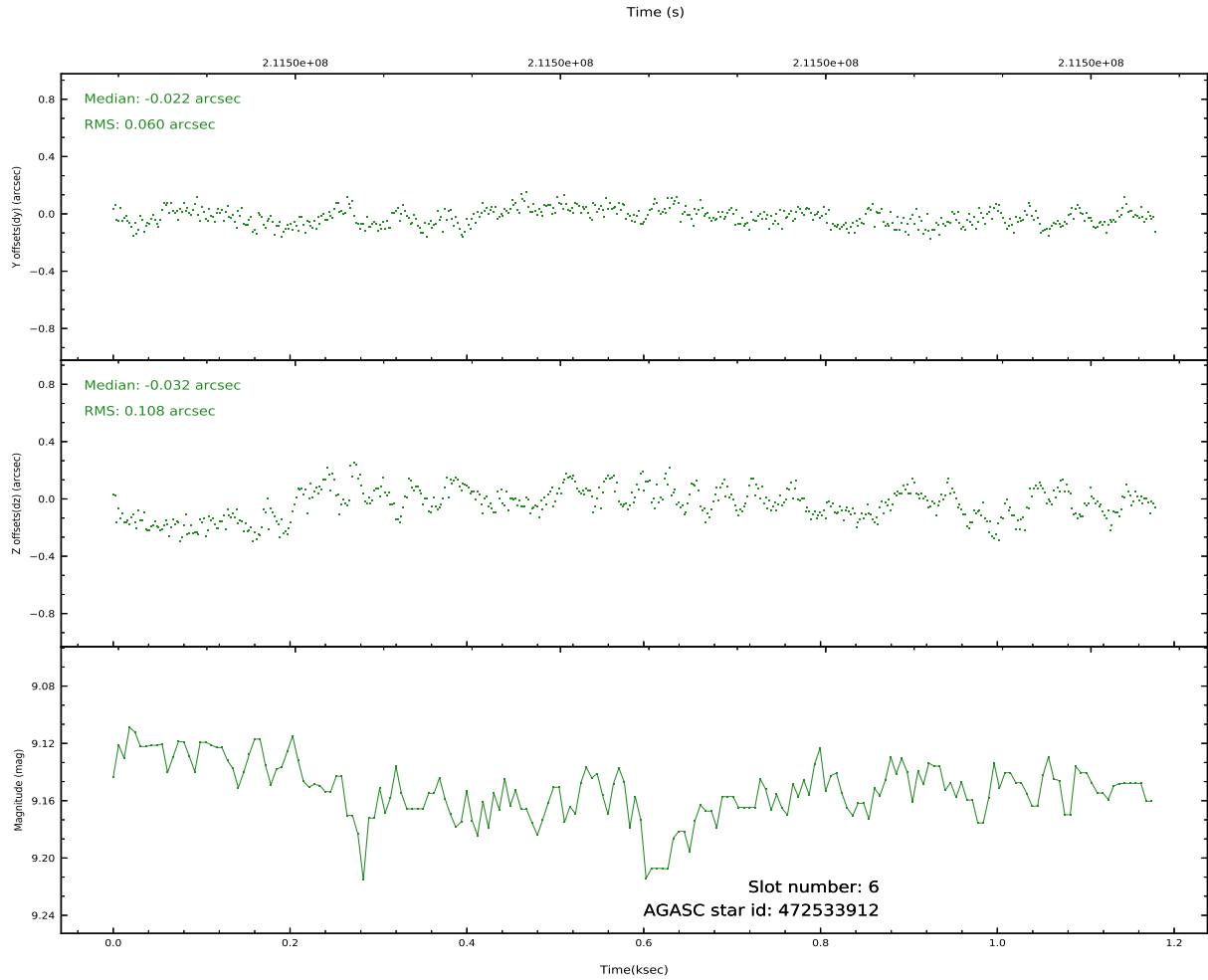
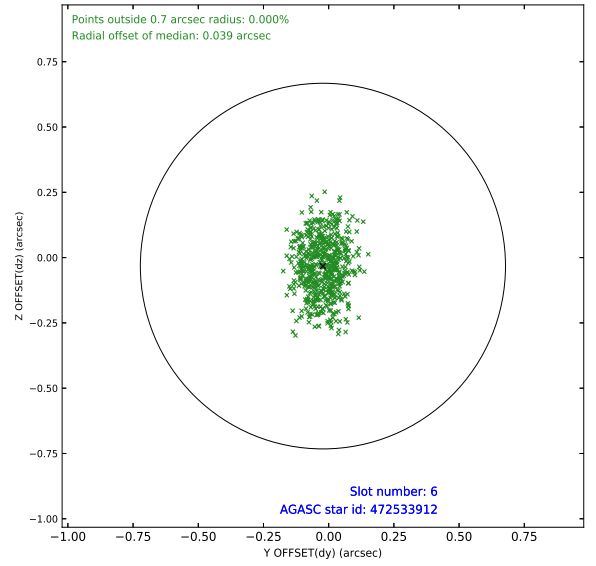
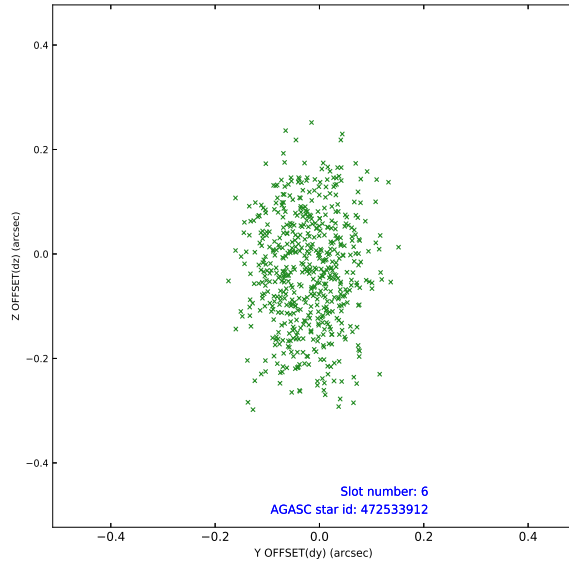
2.4.3 Slot 5



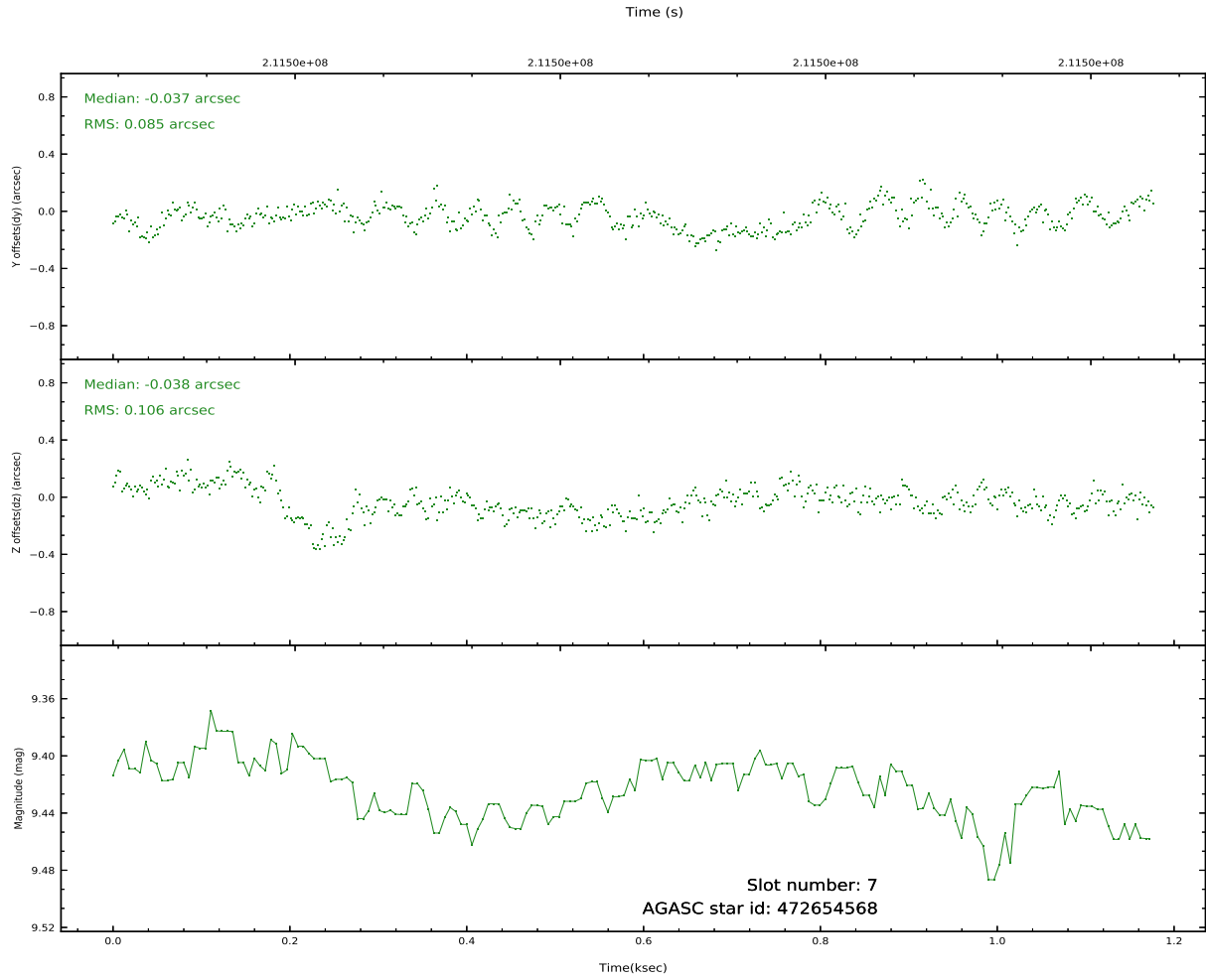
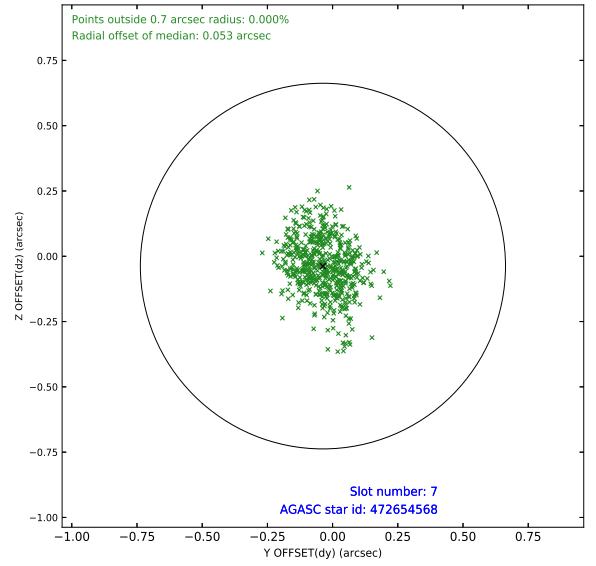
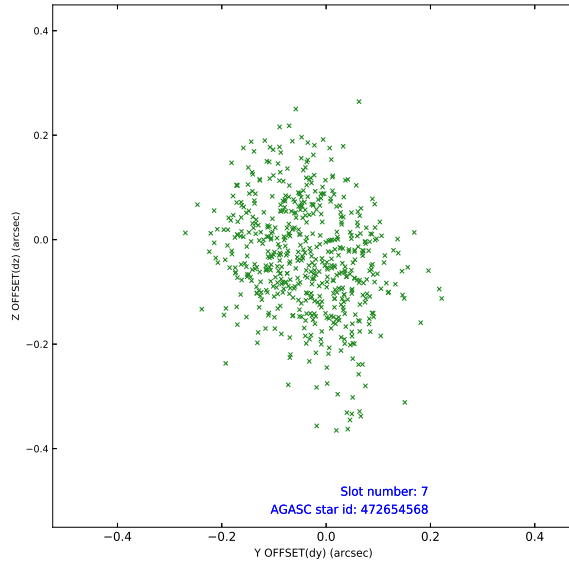
Time (s)



2.4.4 Slot 6

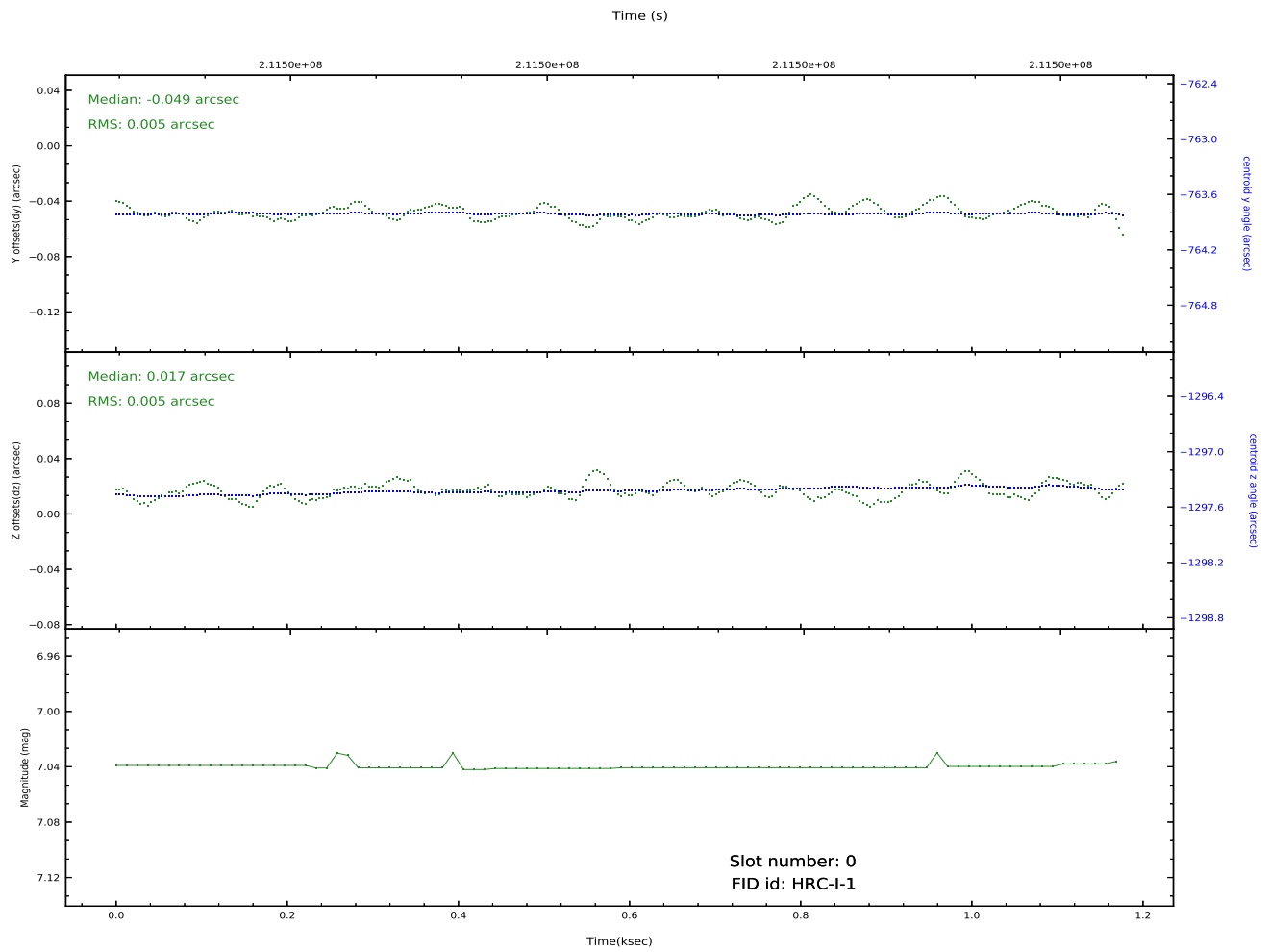
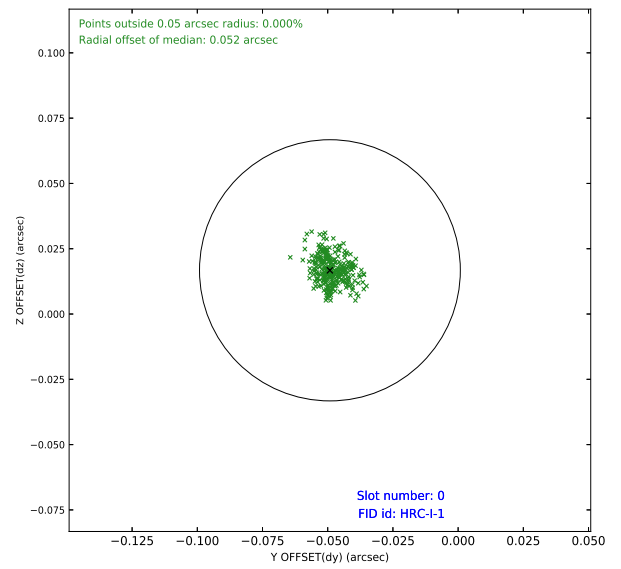
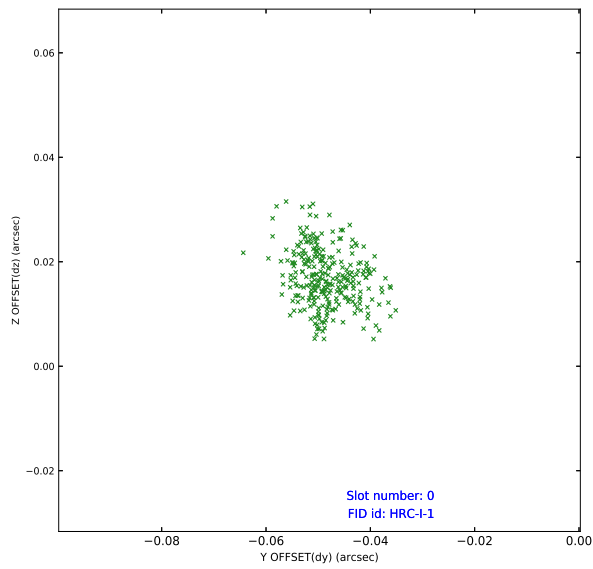


2.4.5 Slot 7

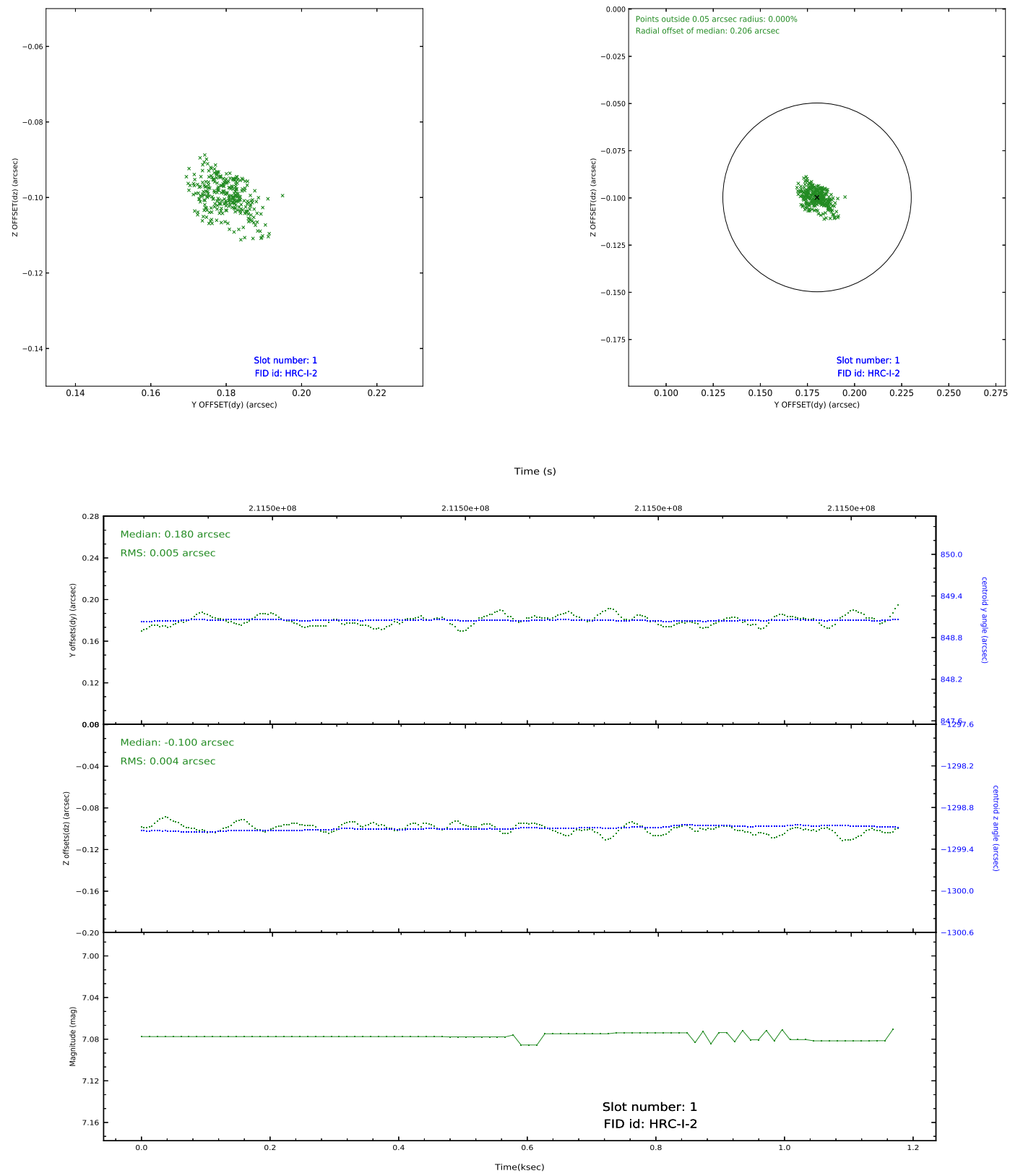


2.5 FID Slots

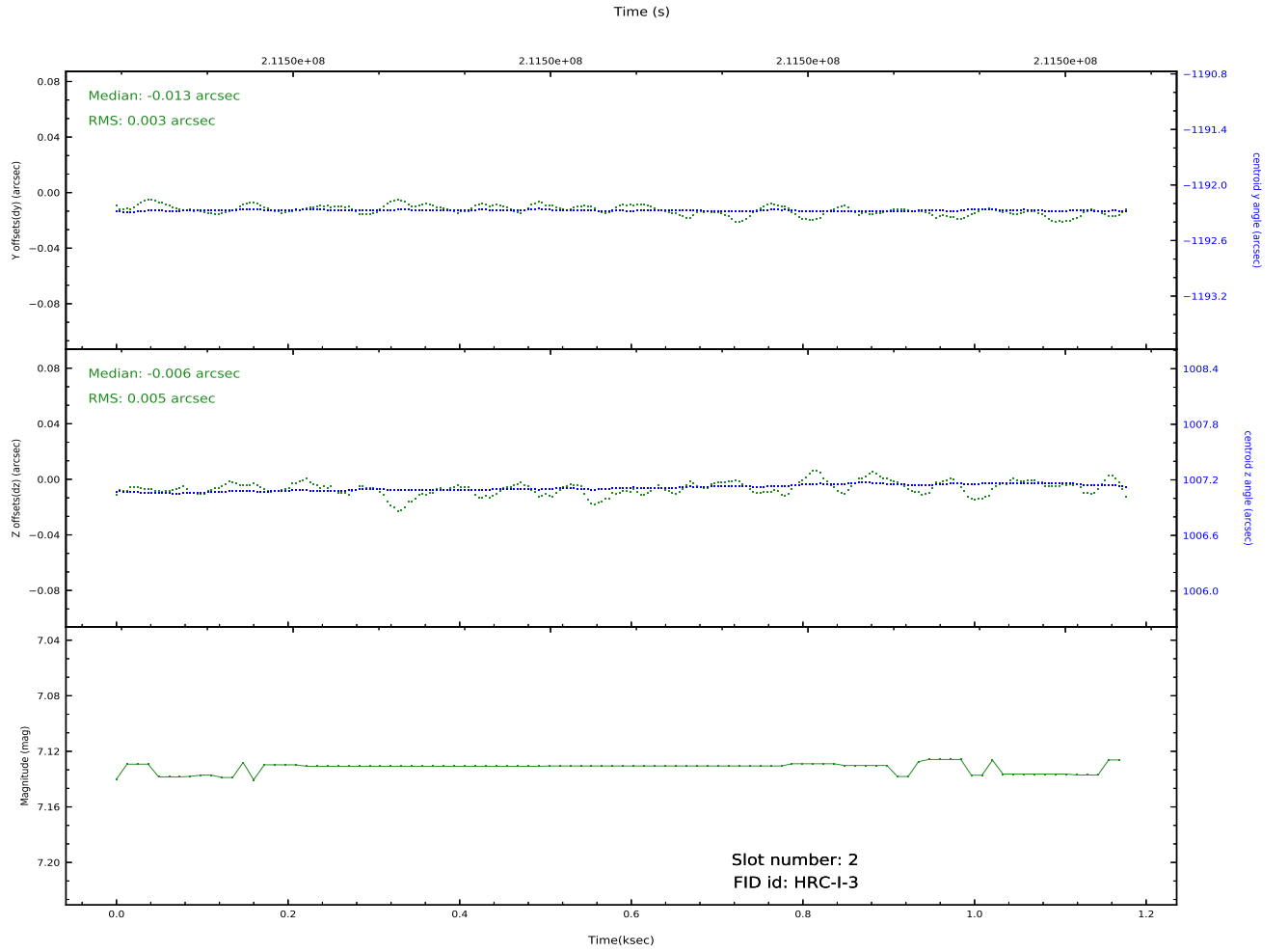
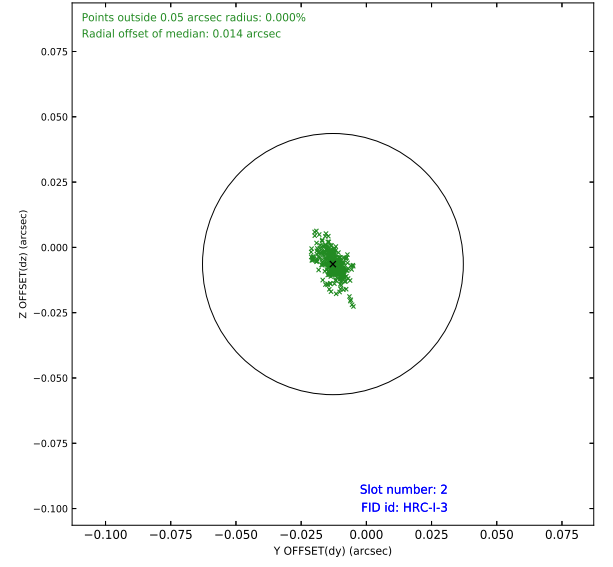
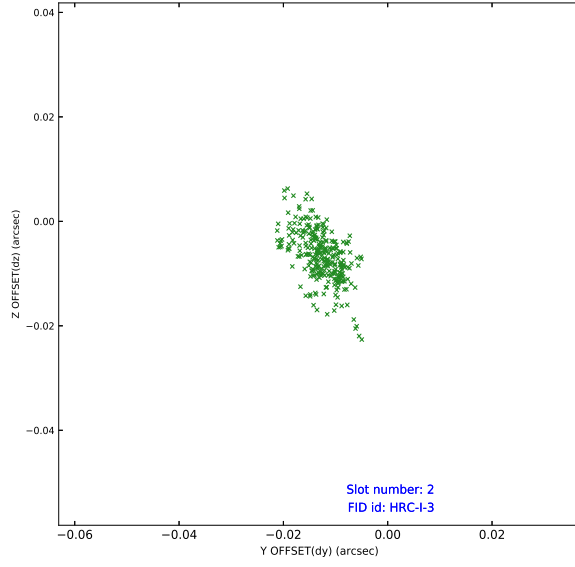
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.177

A.2 Comments