

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6542 - L2 Version 5
Chandra X-Ray Center

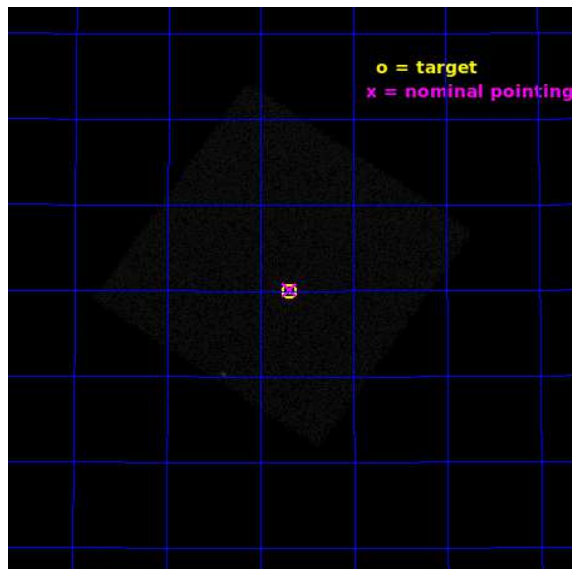
L2 Processing Date : Oct 12 2020

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1 Front

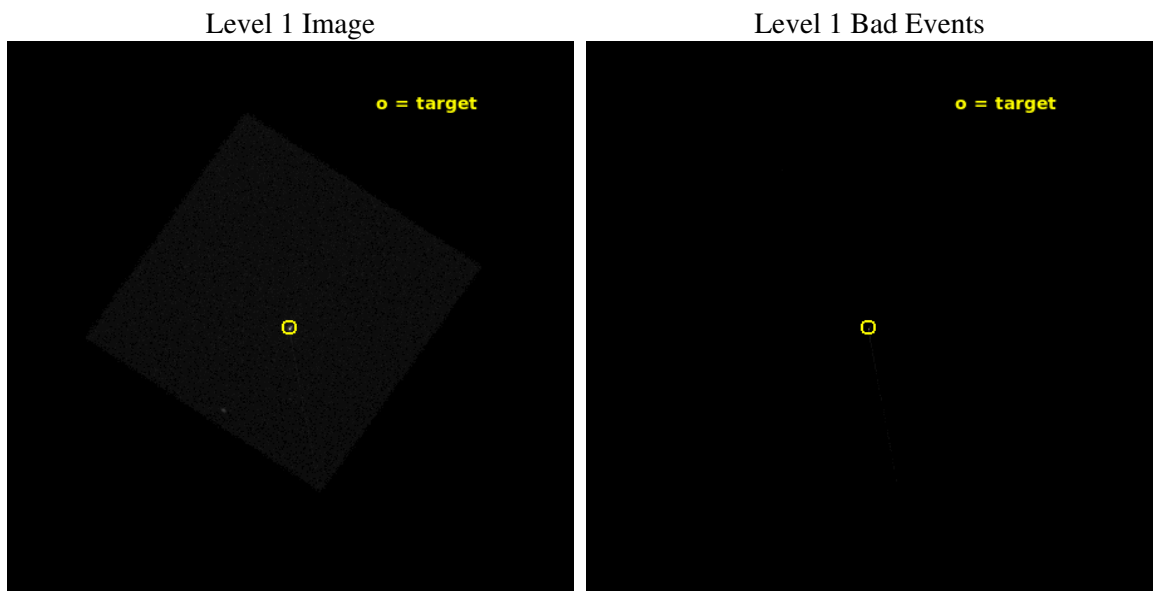
seq_num	290635	Sequence number
obs_id	6542	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.171110199687	Nominal RA [deg]
dec_nom	46.002514251608	Nominal Dec [deg]
roll_nom	169.33804430143	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5158.8252385557	[s]
livetime	5109.1442109594	Ontime multiplied by DTCOR
l2events	356049	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	4973.524000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5158.8252385557	[s]
caldbver	4.9.2	 	l1events	504134	Number of level 1 events
date	2020-10-12T03:33:22	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

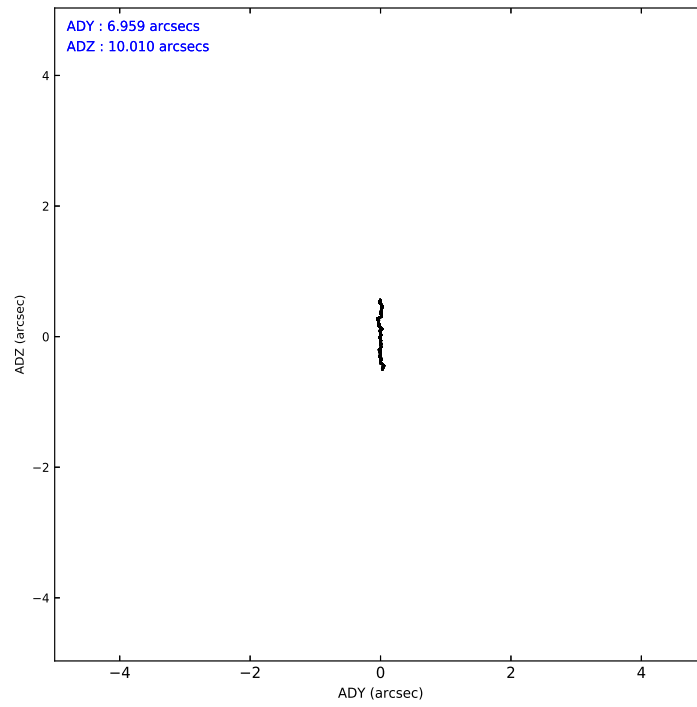
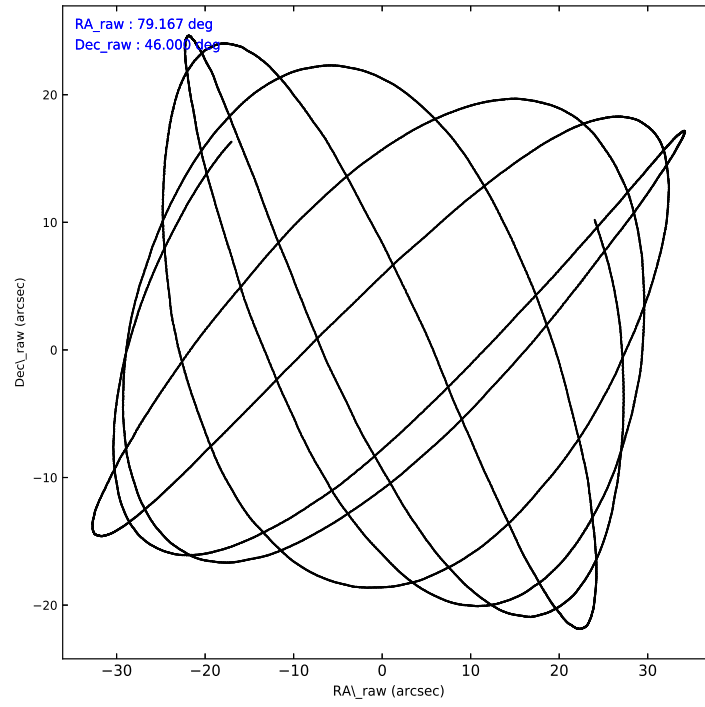
	segment 0
level 1 events	504134
rejected events	33331
rejected %	6%

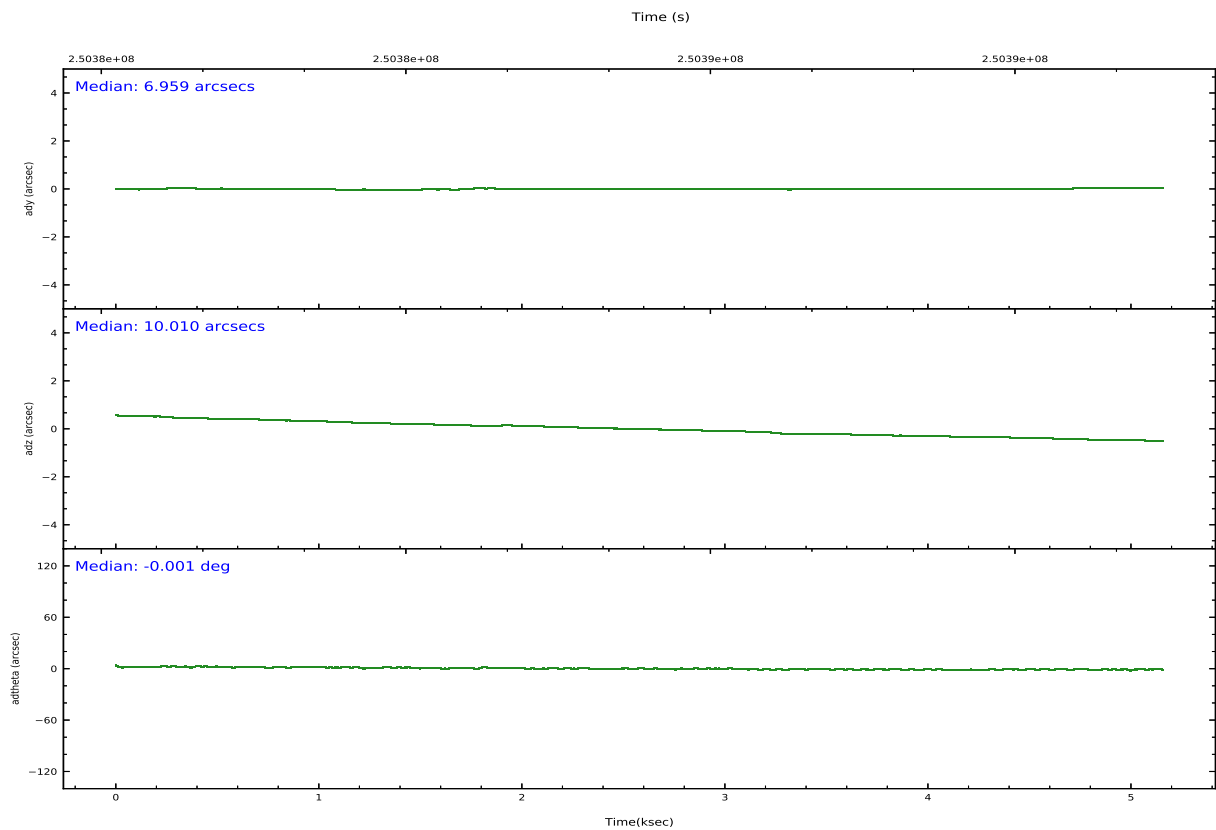
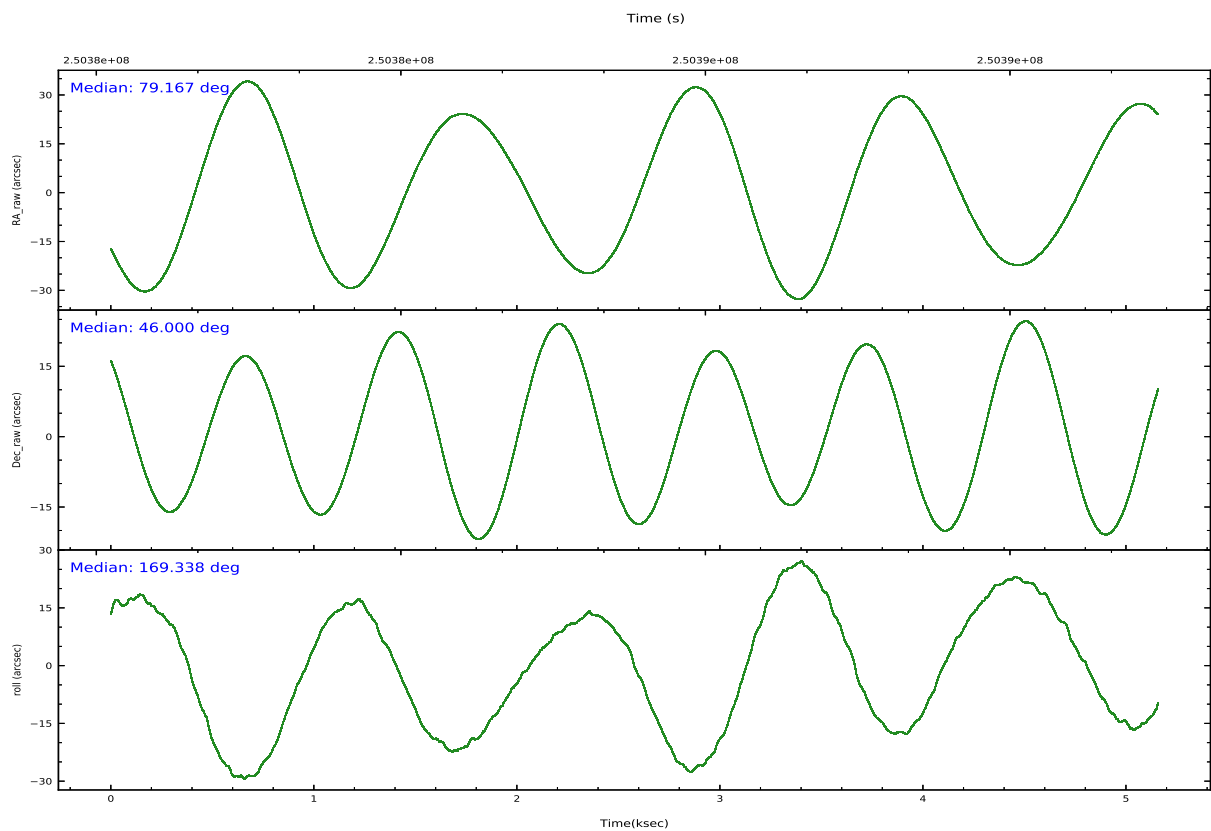
2.2 Compared Parameters

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	79.204002	79.17111019968701
[deg] Pointing Dec	46.009855	46.002514251608
[deg] Pointing Roll	169.414489	169.33804430143
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	135.985494	135.9942860307773
[mm] SIM translation stage offset	-9	-9.008797139175726
[s] Observation start time (MET)	250382757.184000	250382380.99476
Observation start date	2005-12-07T22:44:53	2005-12-07T22:39:40
[s] Observation end time (MET)	250387730.184000	250387925.22002
Observation end date	2005-12-08T00:07:46	2005-12-08T00:12:05

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

2.3 Aspect



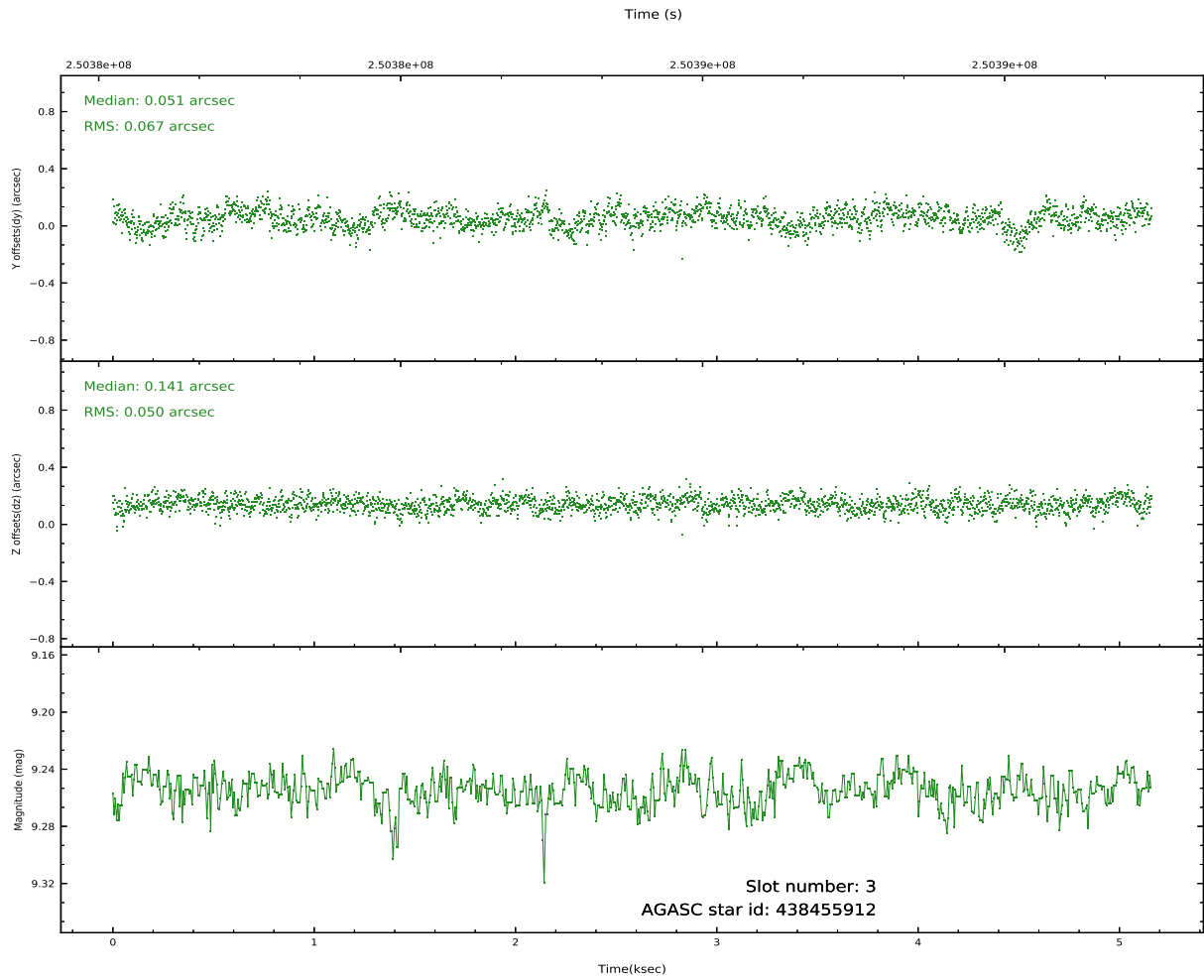
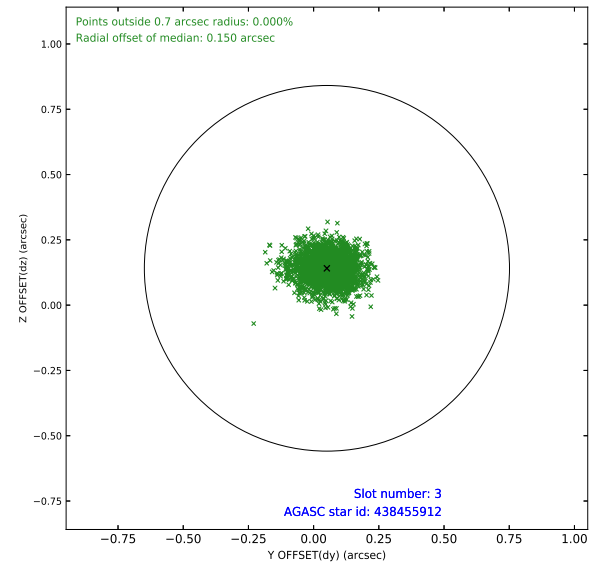
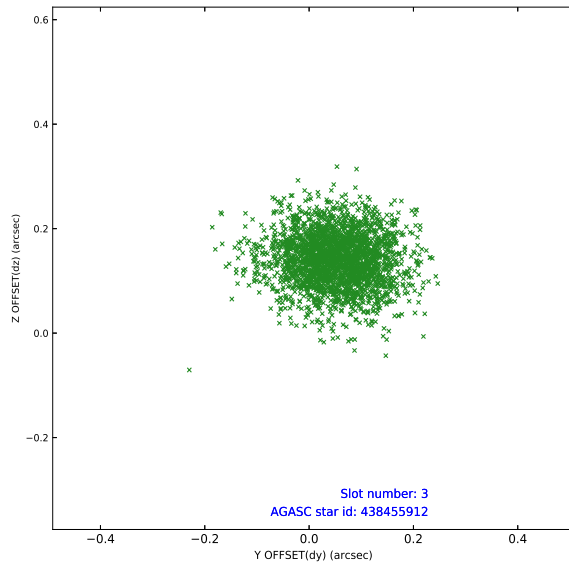


Slot Statistics

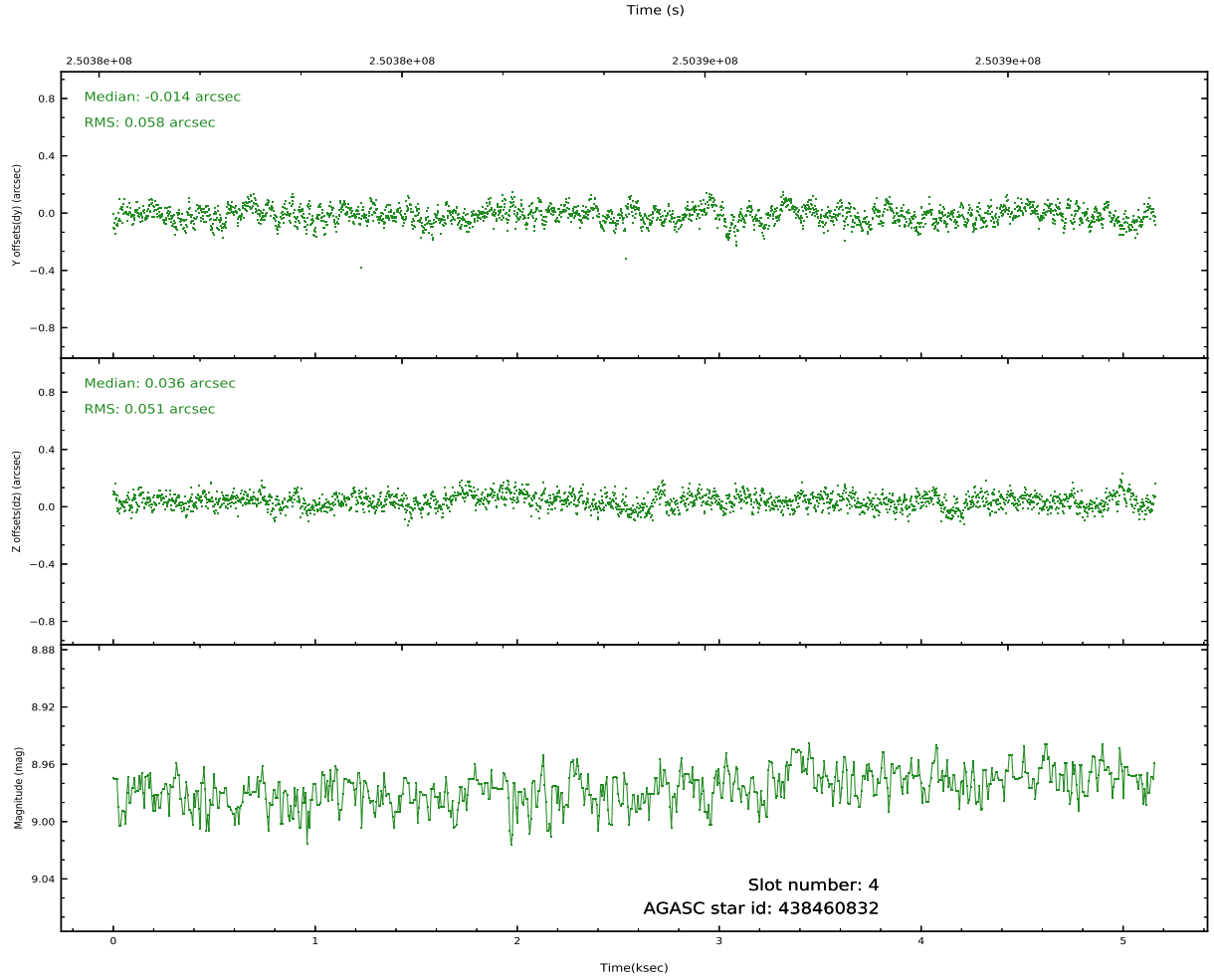
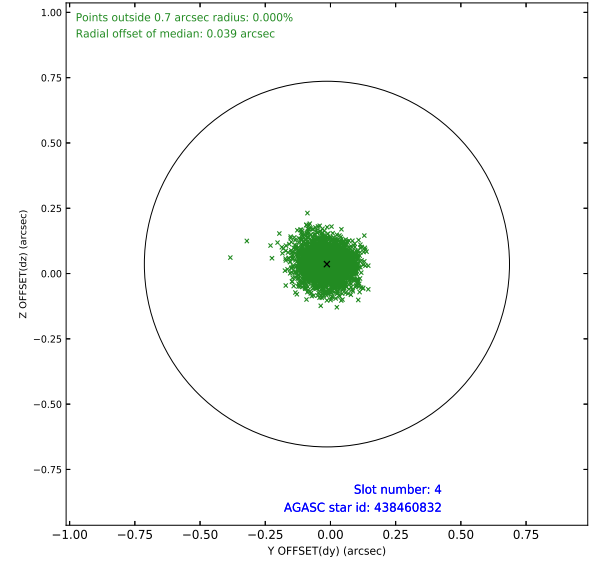
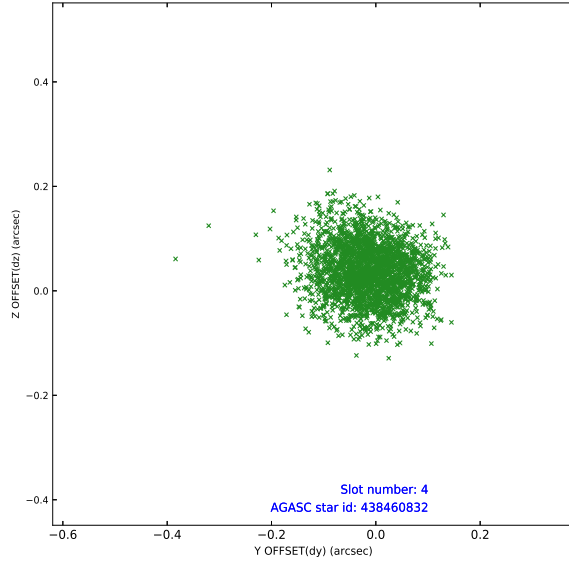
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	1259	1.000	0.065	-0.670	0.009	0.014	0.000000	0.000000	-762.58	-1483
1	FID		HRC-I-2	7.08	1259	1.000	0.018	0.098	0.012	0.019	0.000000	0.000000	849.92	-1485
2	FID		HRC-I-3	7.16	1259	1.000	0.035	0.481	0.014	0.024	0.000000	0.000000	-1190.27	820
3	GUIDE	used	438455912	9.25	2516	1.000	0.051	0.141	0.088	0.150	78.251946	45.690923	2145.26	1554
4	GUIDE	used	438460832	8.98	2517	1.000	-0.014	0.036	0.081	0.135	78.414614	45.554782	1657.73	1966
5	GUIDE	used	440150048	7.15	2518	1.000	-0.015	-0.053	0.067	0.103	79.112838	46.416060	492.24	-1395
6	GUIDE	used	440163960	8.88	2516	1.000	0.042	-0.045	0.081	0.128	79.298370	45.827072	-353.17	601
7	GUIDE	used	440140240	9.98	2513	1.000	-0.064	-0.077	0.144	0.241	78.889349	46.726437	1237.94	-2395

2.4 Star Slots

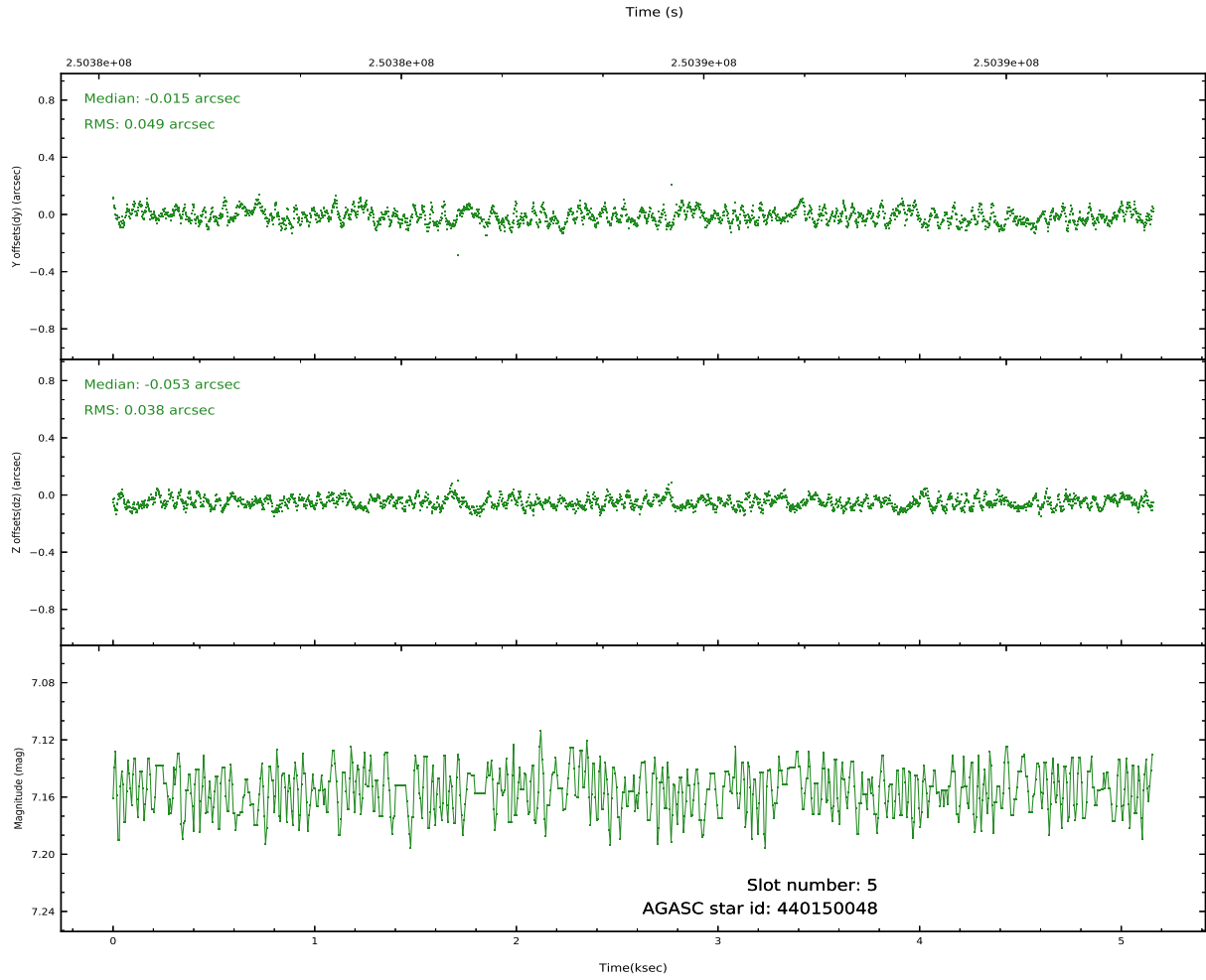
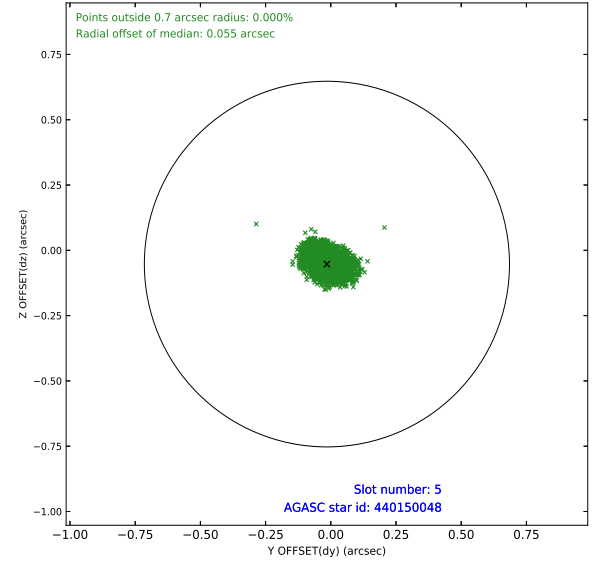
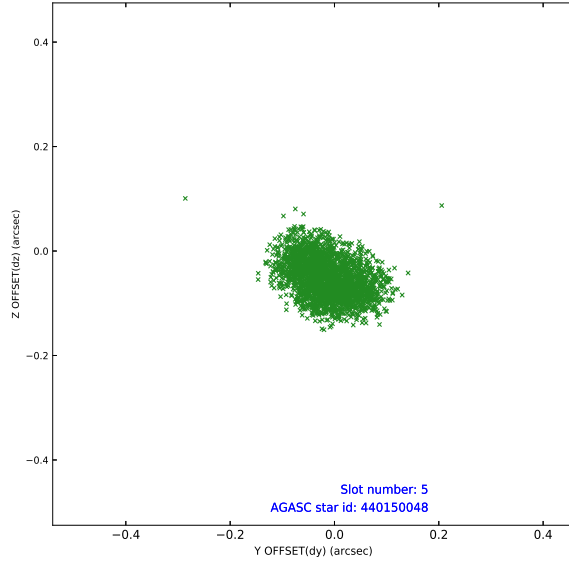
2.4.1 Slot 3



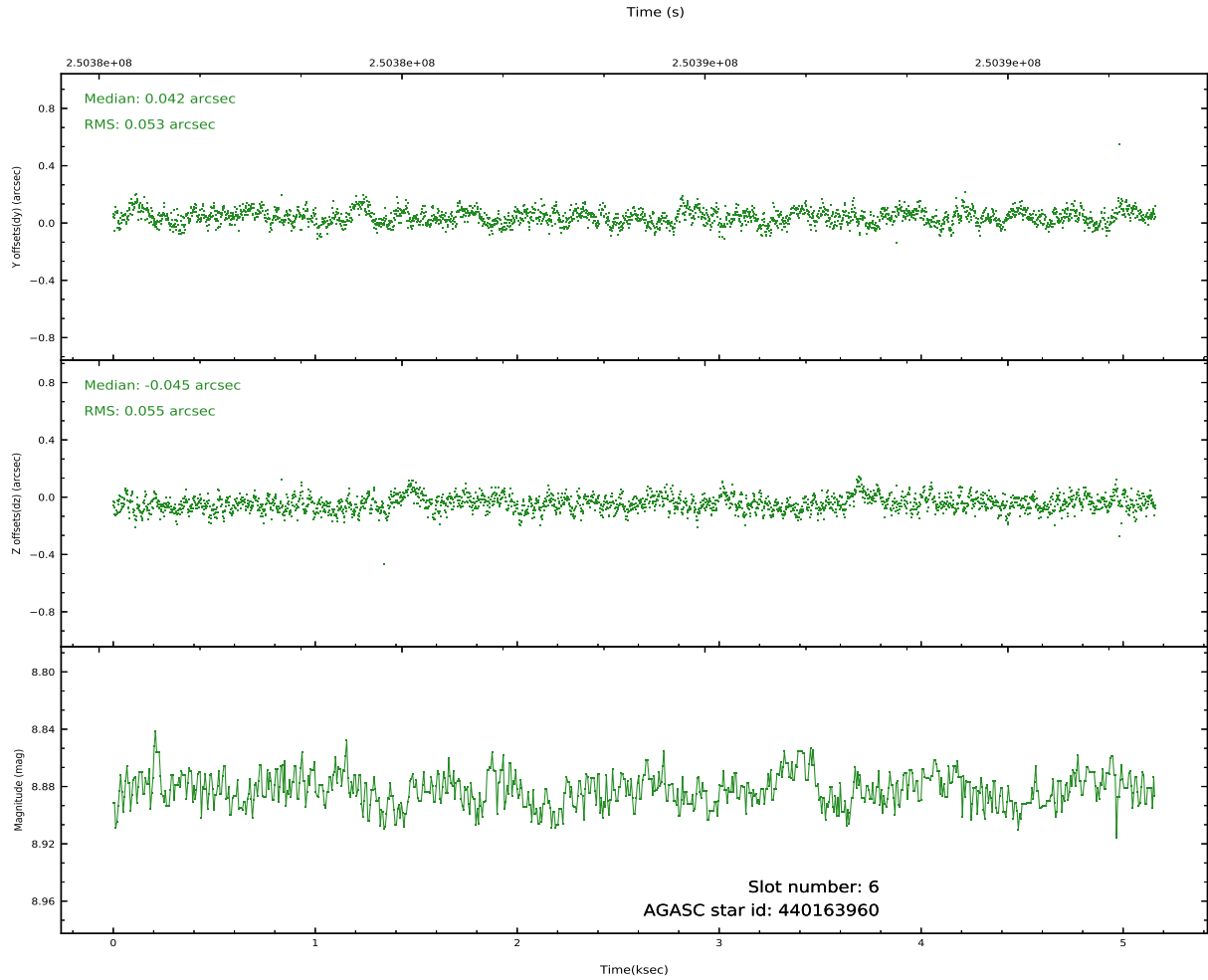
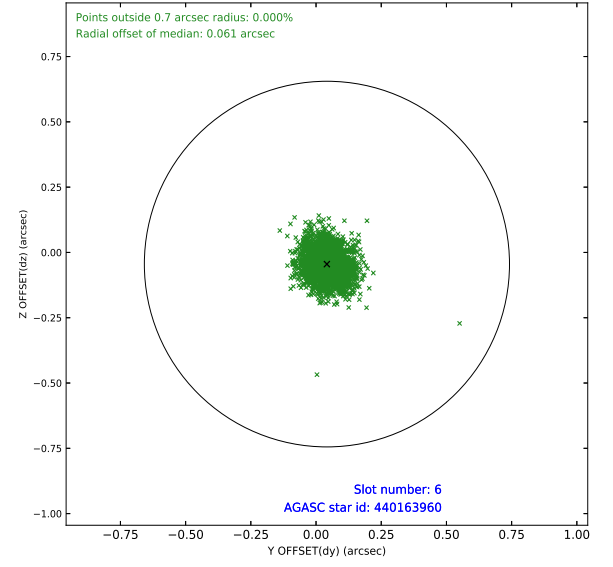
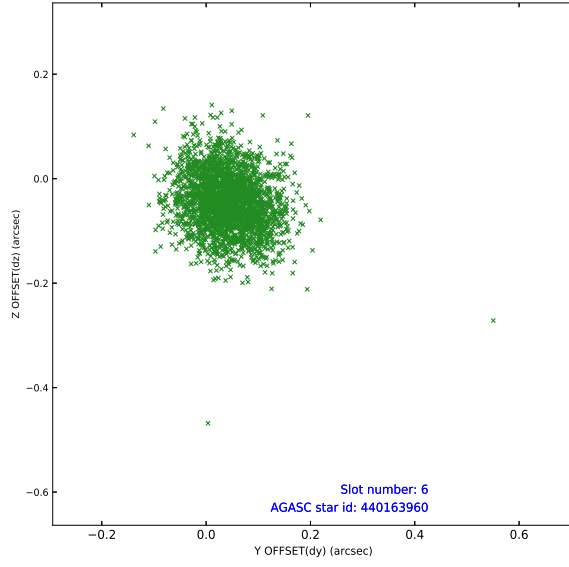
2.4.2 Slot 4



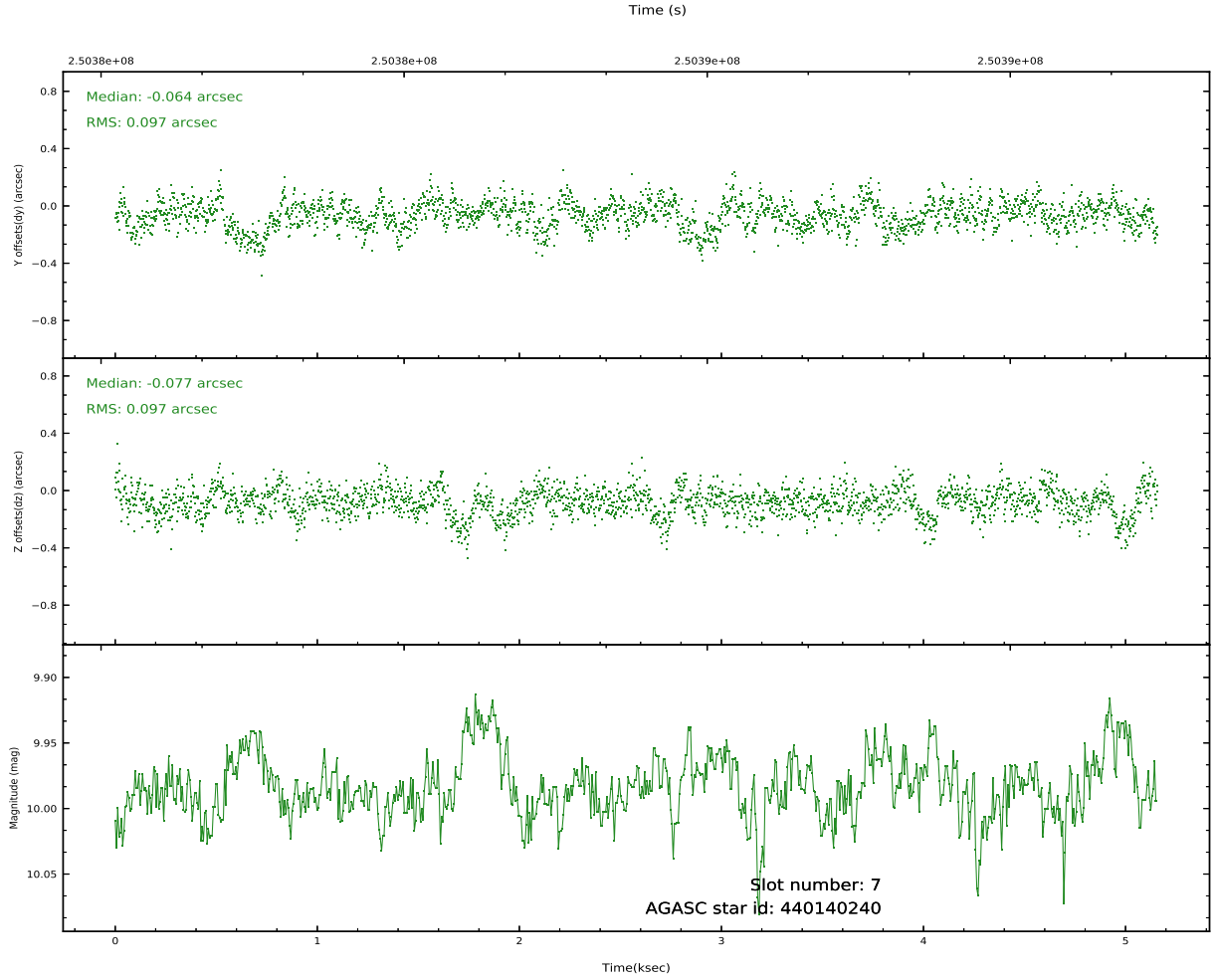
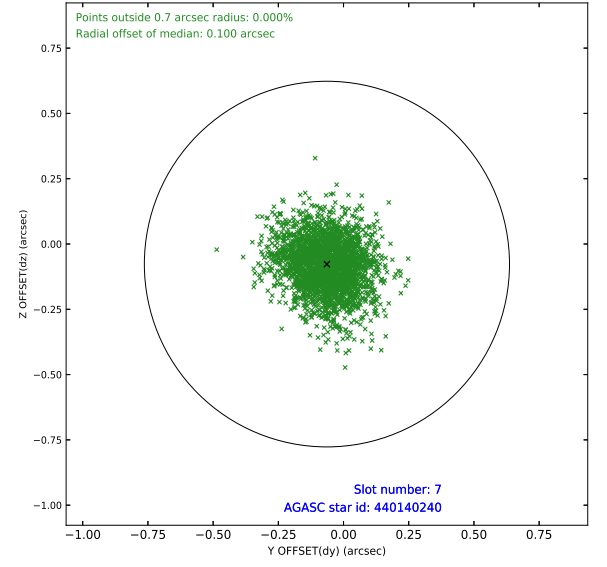
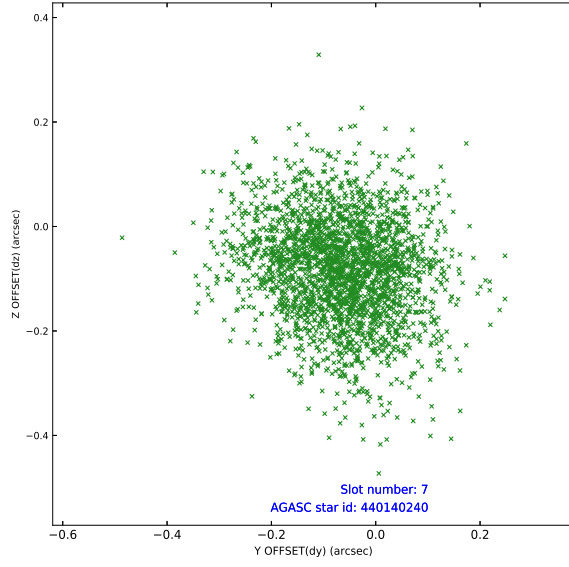
2.4.3 Slot 5



2.4.4 Slot 6

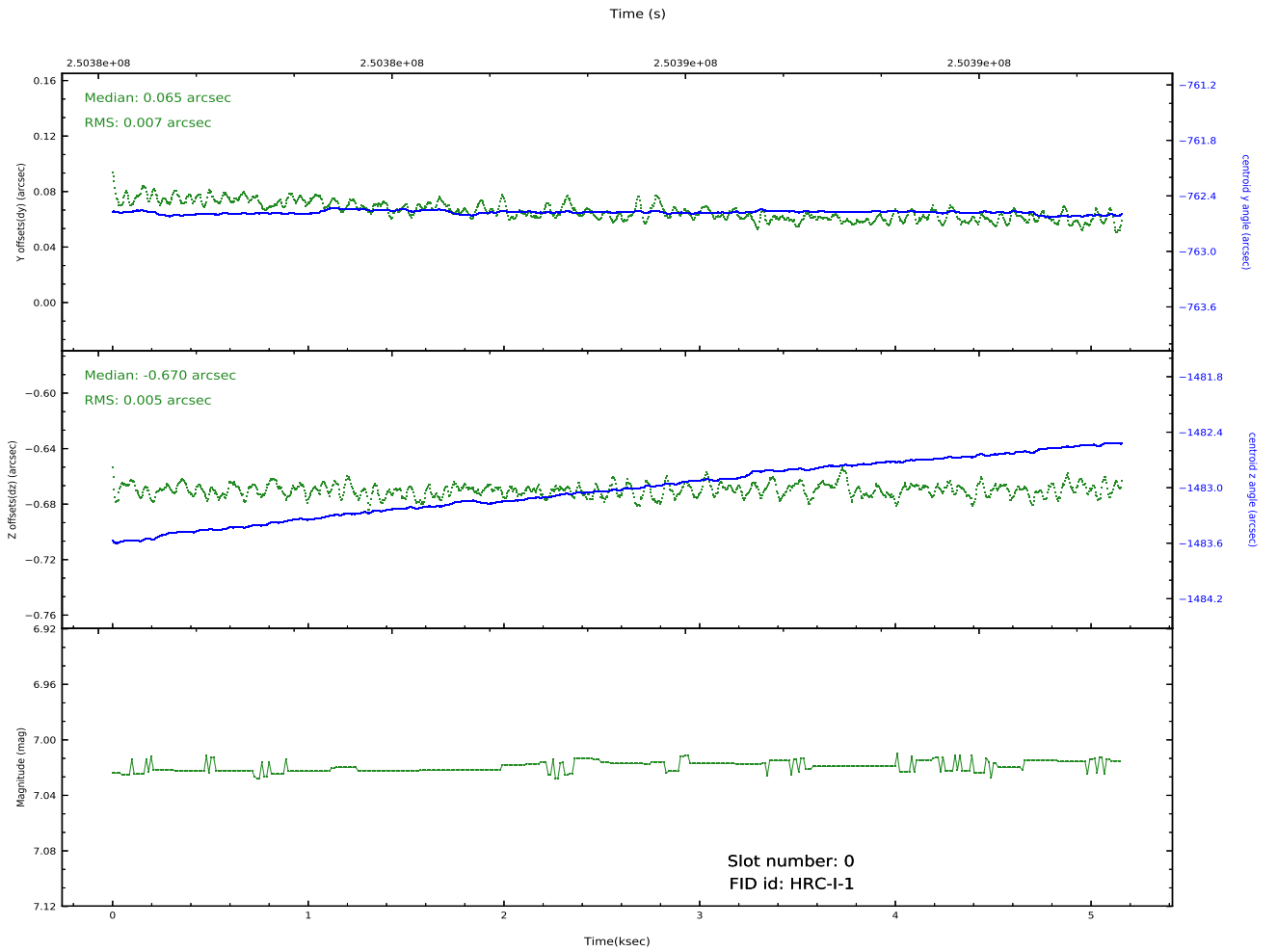
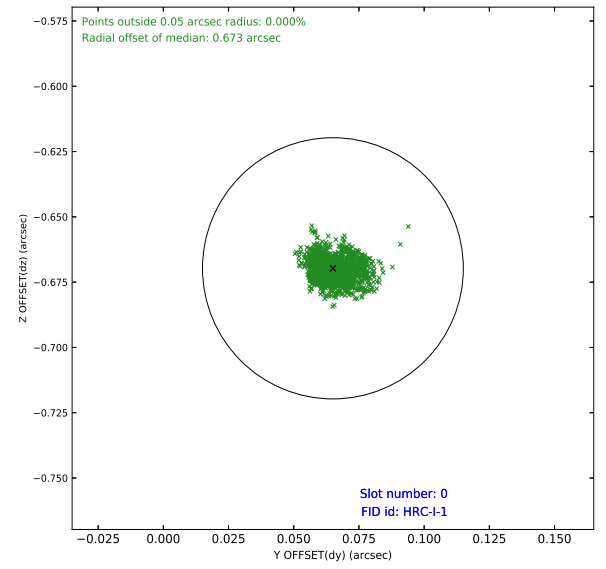
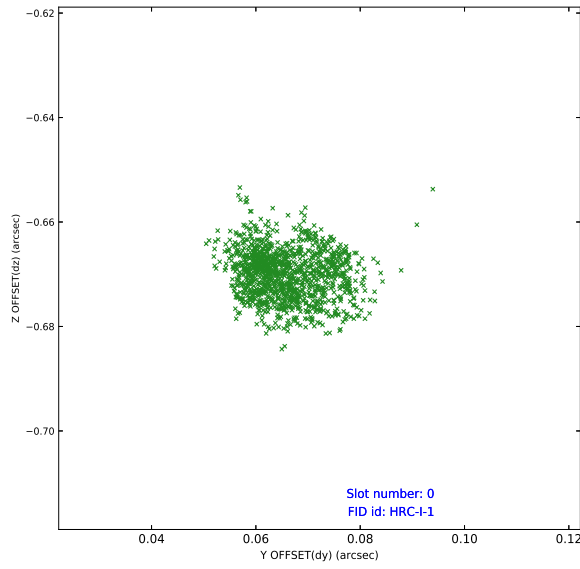


2.4.5 Slot 7

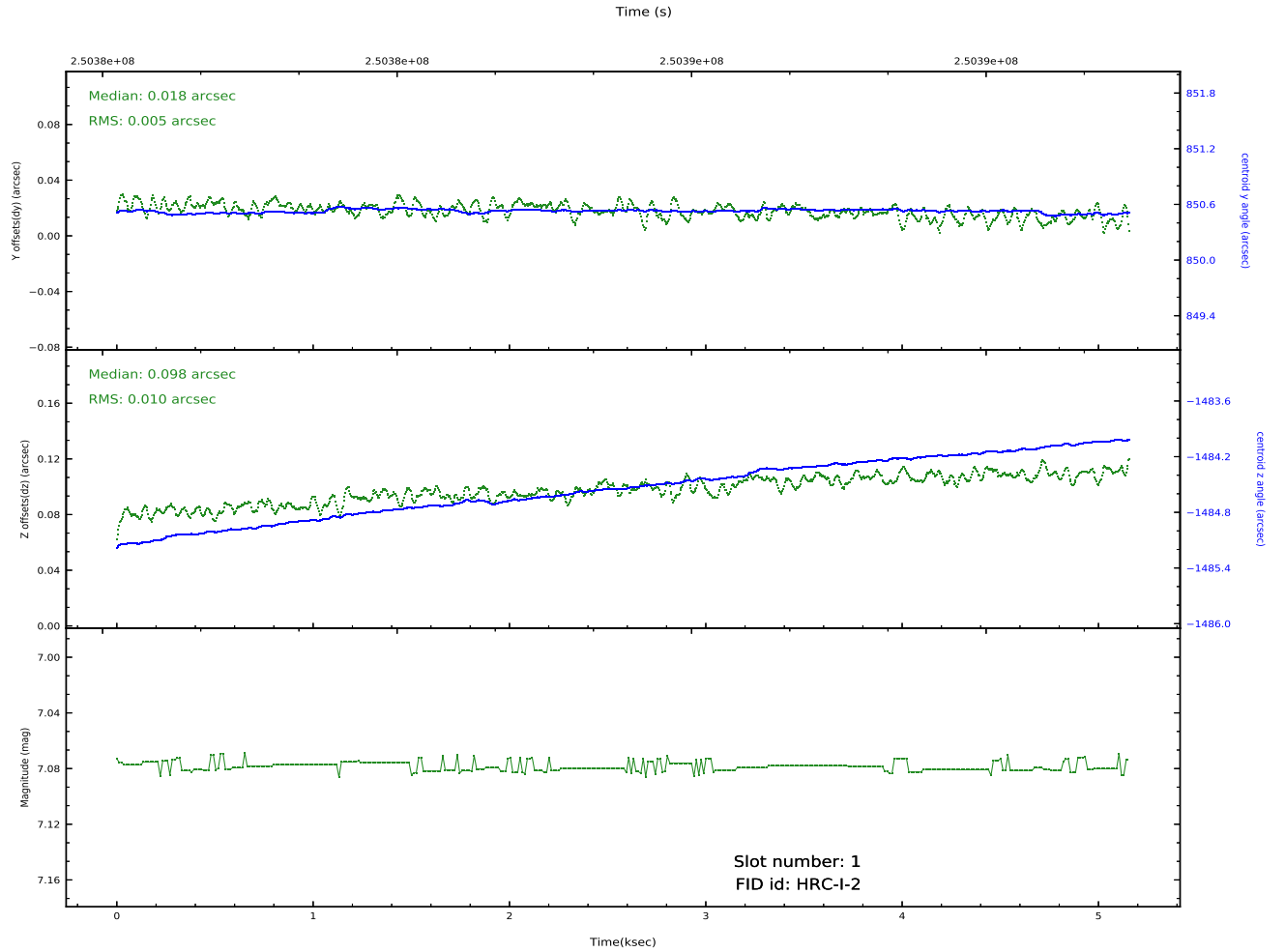
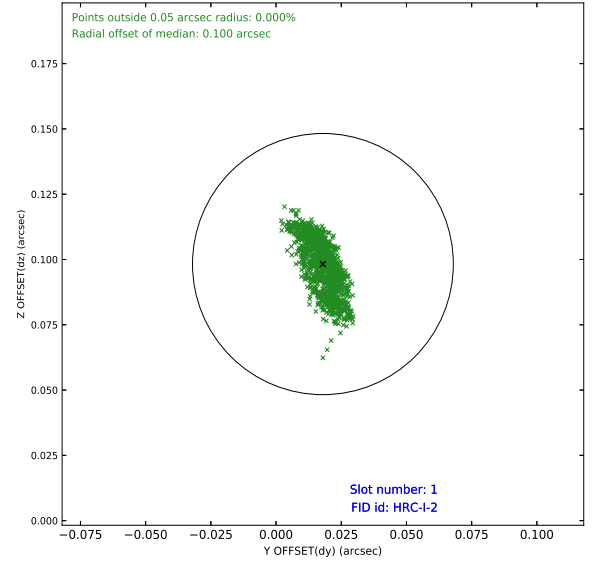
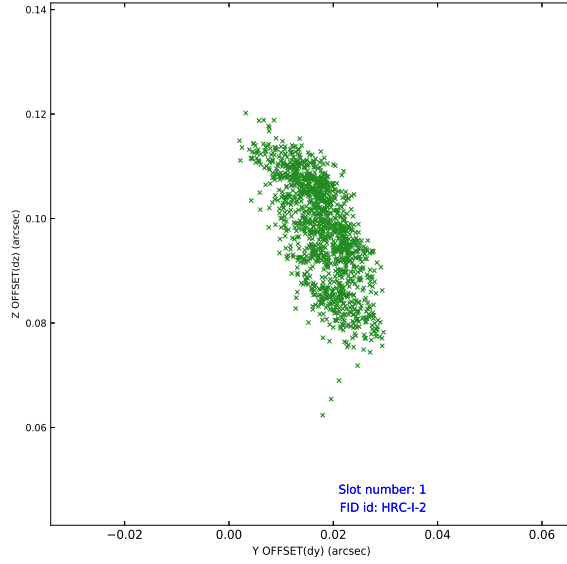


2.5 FID Slots

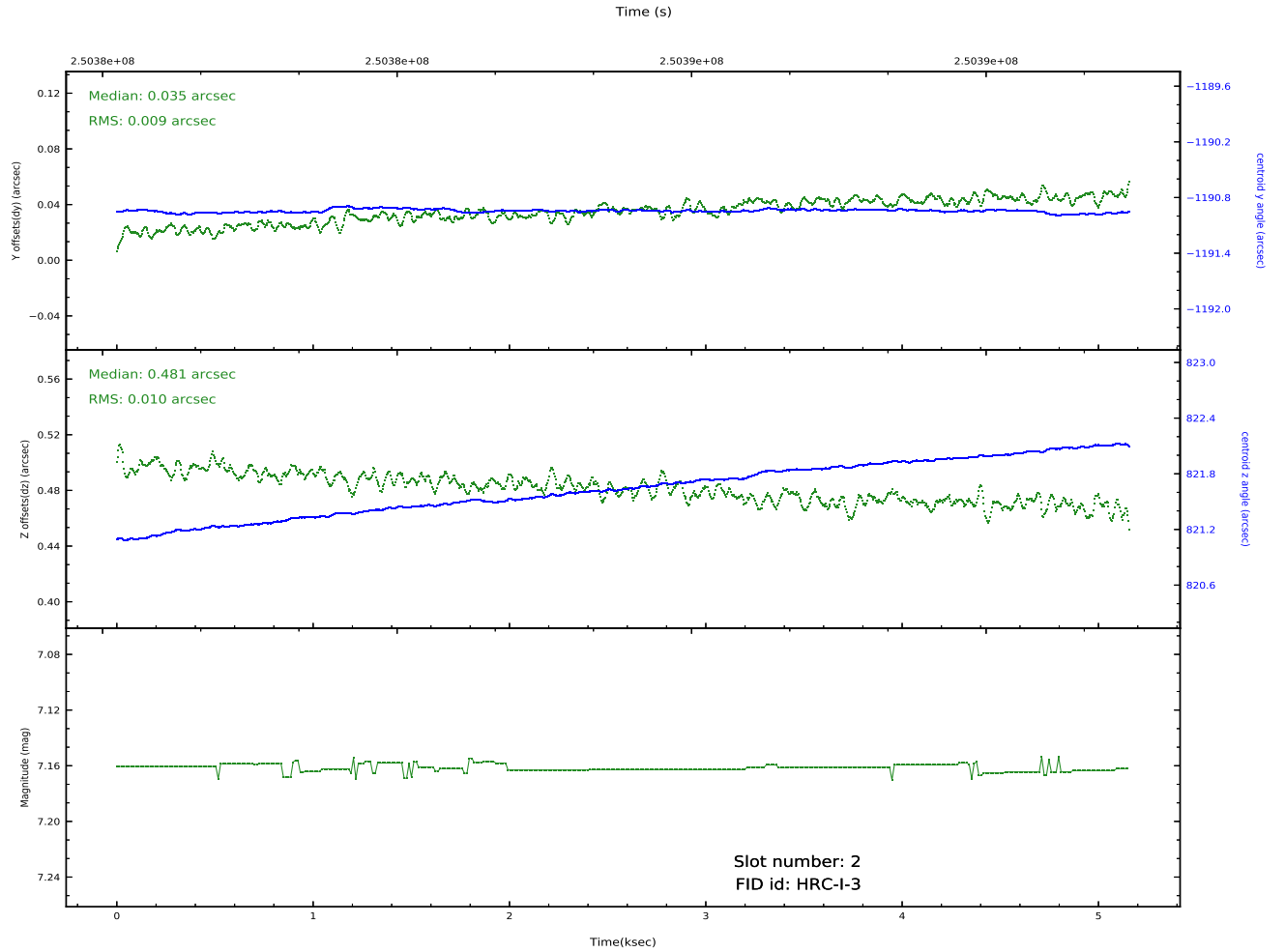
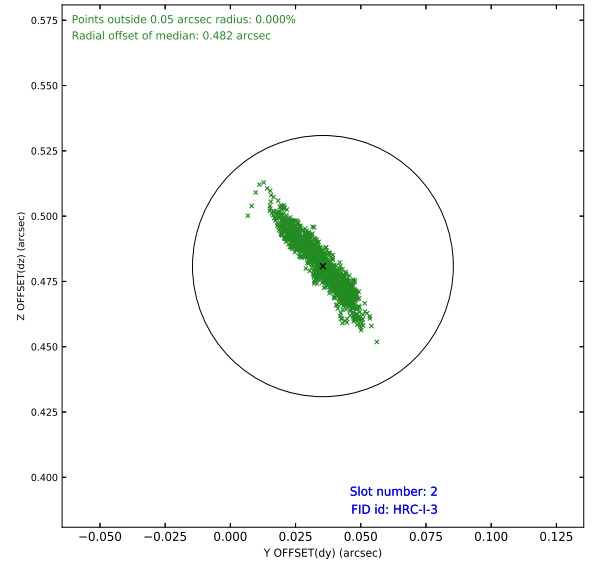
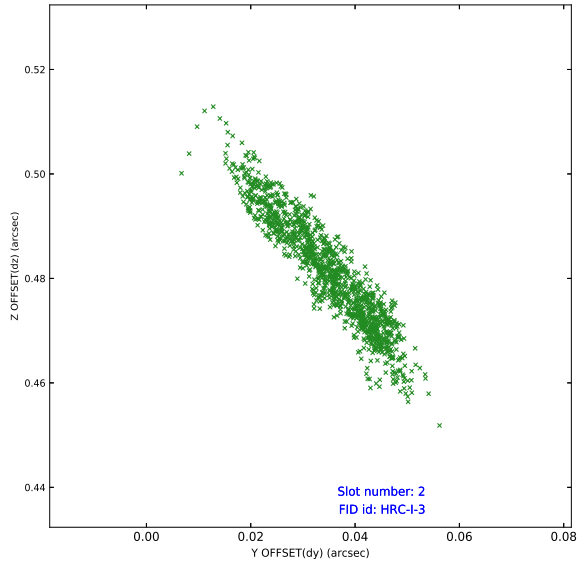
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.159081

A.2 Comments

High offset of the fid lights is expected due to the SIM position.