

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6547 - L2 Version 5
Chandra X-Ray Center

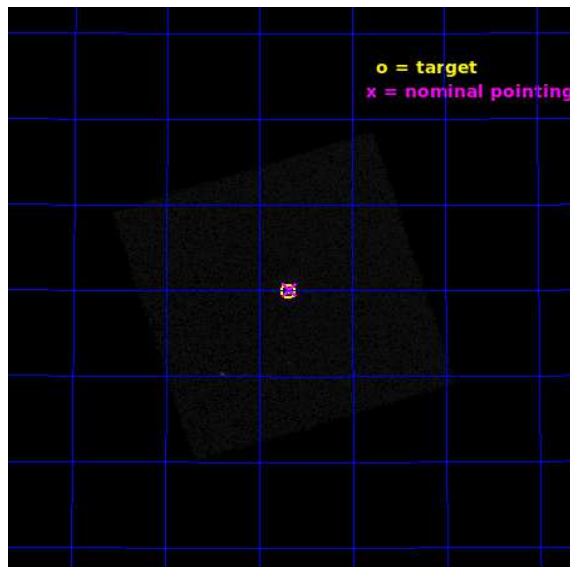
L2 Processing Date : Oct 12 2020

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1 Front

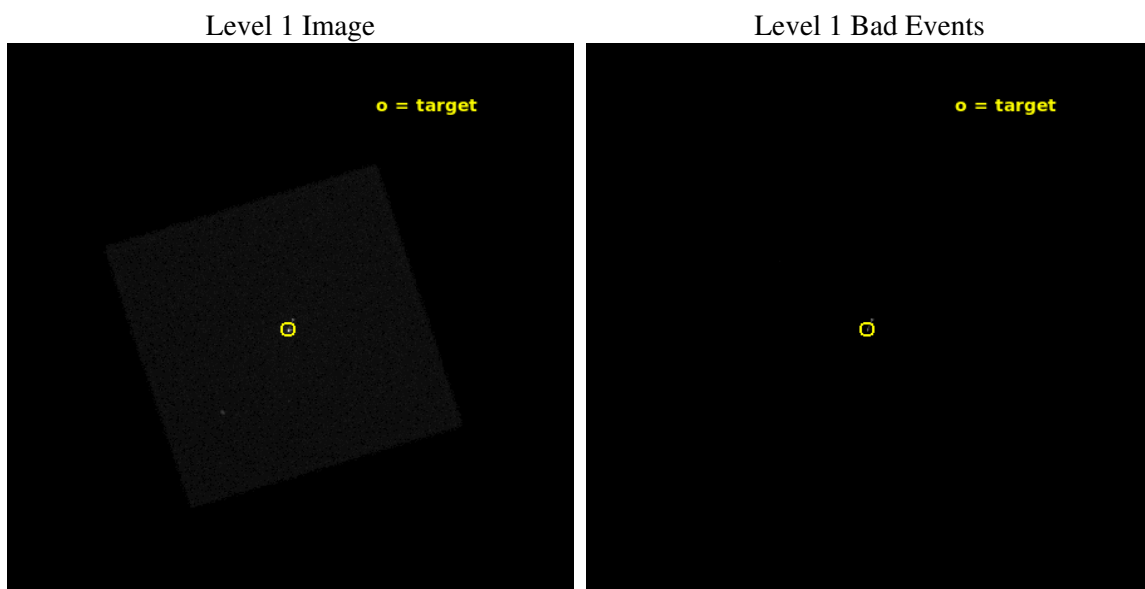
seq_num	290640	Sequence number
obs_id	6547	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168074397643	Nominal RA [deg]
dec_nom	46.002078386548	Nominal Dec [deg]
roll_nom	207.38077728157	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5187.7814901471	[s]
livetime	5141.2387795413	Ontime multiplied by DTCOR
l2events	319710	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5187.7814901471	[s]
caldsver	4.9.2	 	l1events	481096	Number of level 1 events
date	2020-10-12T06:28:05	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

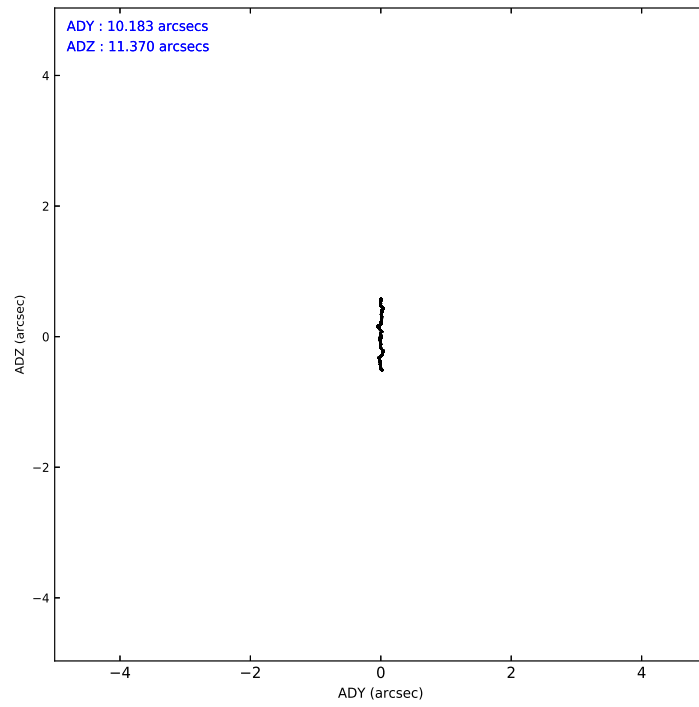
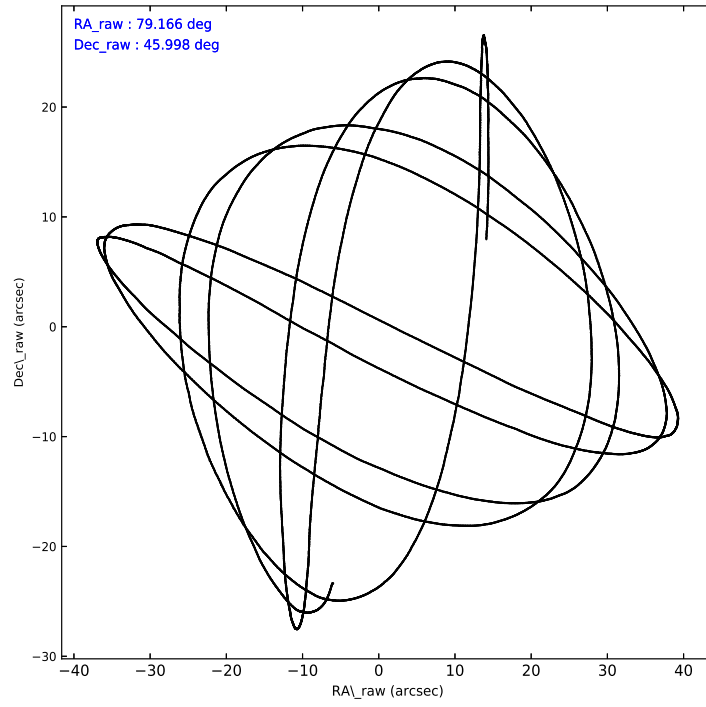
	segment 0
level 1 events	481096
rejected events	55508
rejected %	11%

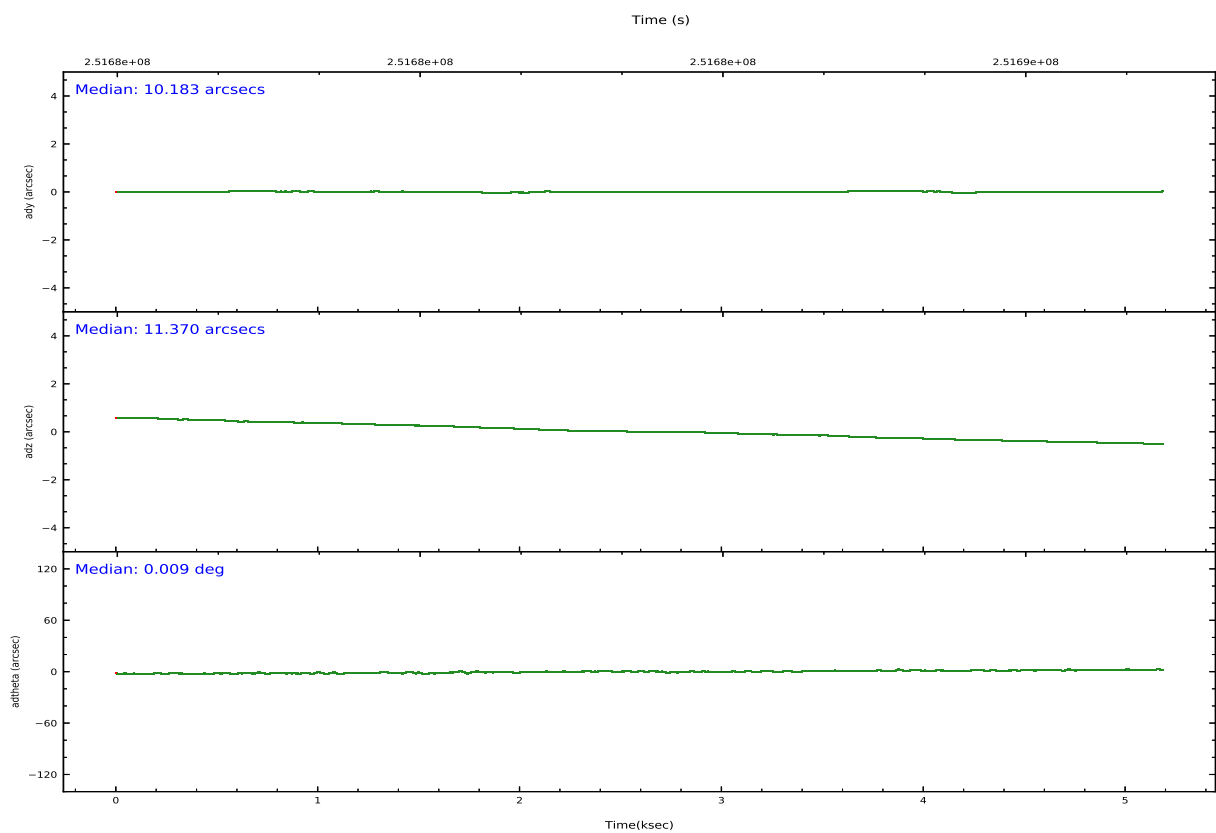
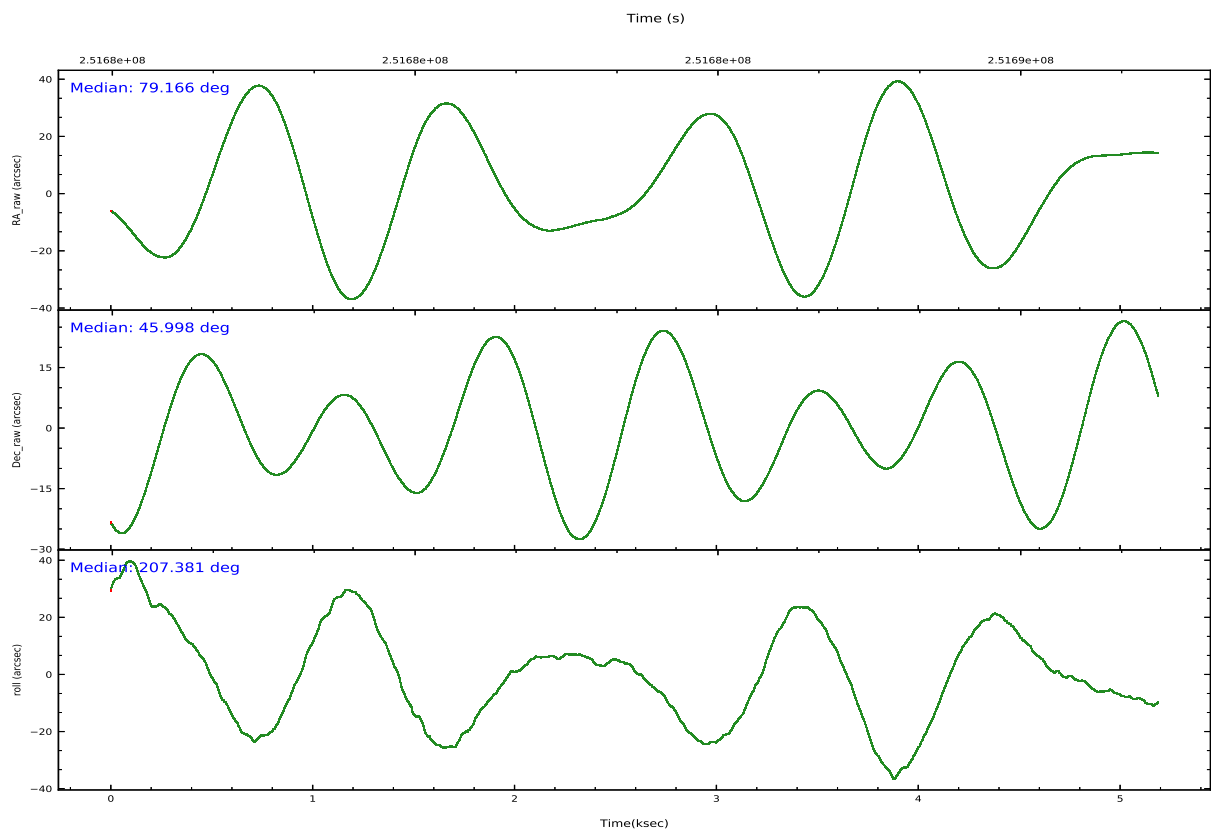
2.2 Compared Parameters

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	79.186786	79.168074397643
[deg] Pointing Dec	46.020811	46.002078386548
[deg] Pointing Roll	207.481269	207.38077728157
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	123.985494	123.9859161505267
[mm] SIM translation stage offset	3	2.999572741074843
[s] Observation start time (MET)	251681681.184000	251680827.47983
Observation start date	2005-12-22T23:33:37	2005-12-22T23:20:27
[s] Observation end time (MET)	251686681.184000	251686814.50511
Observation end date	2005-12-23T00:56:57	2005-12-23T01:00:14

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

2.3 Aspect



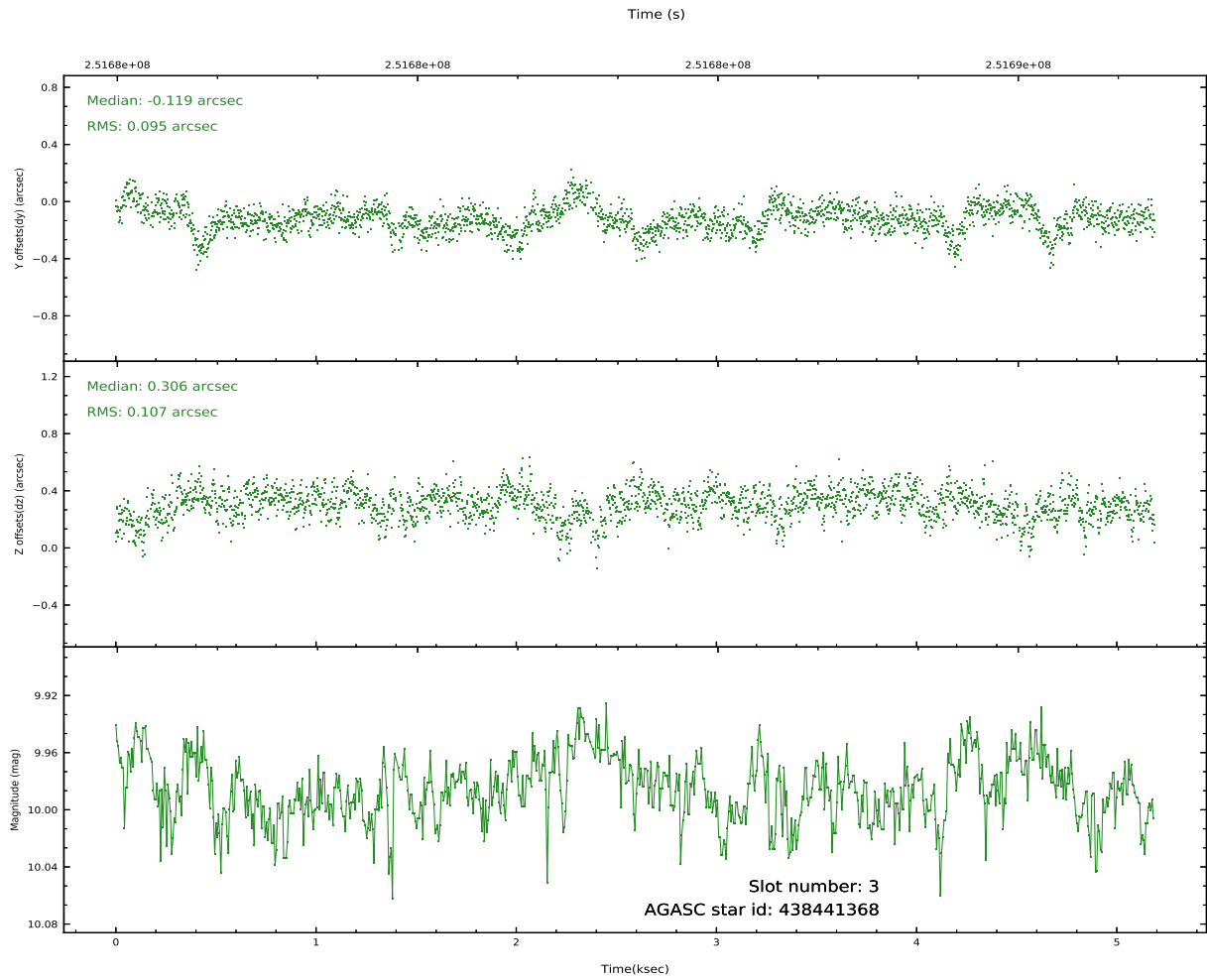
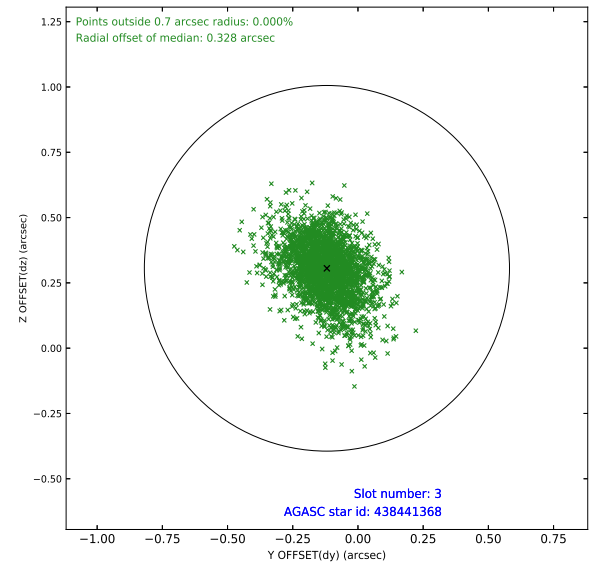
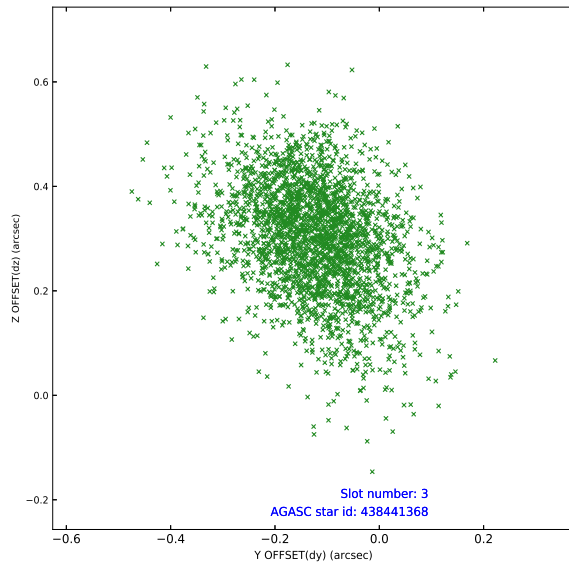


Slot Statistics

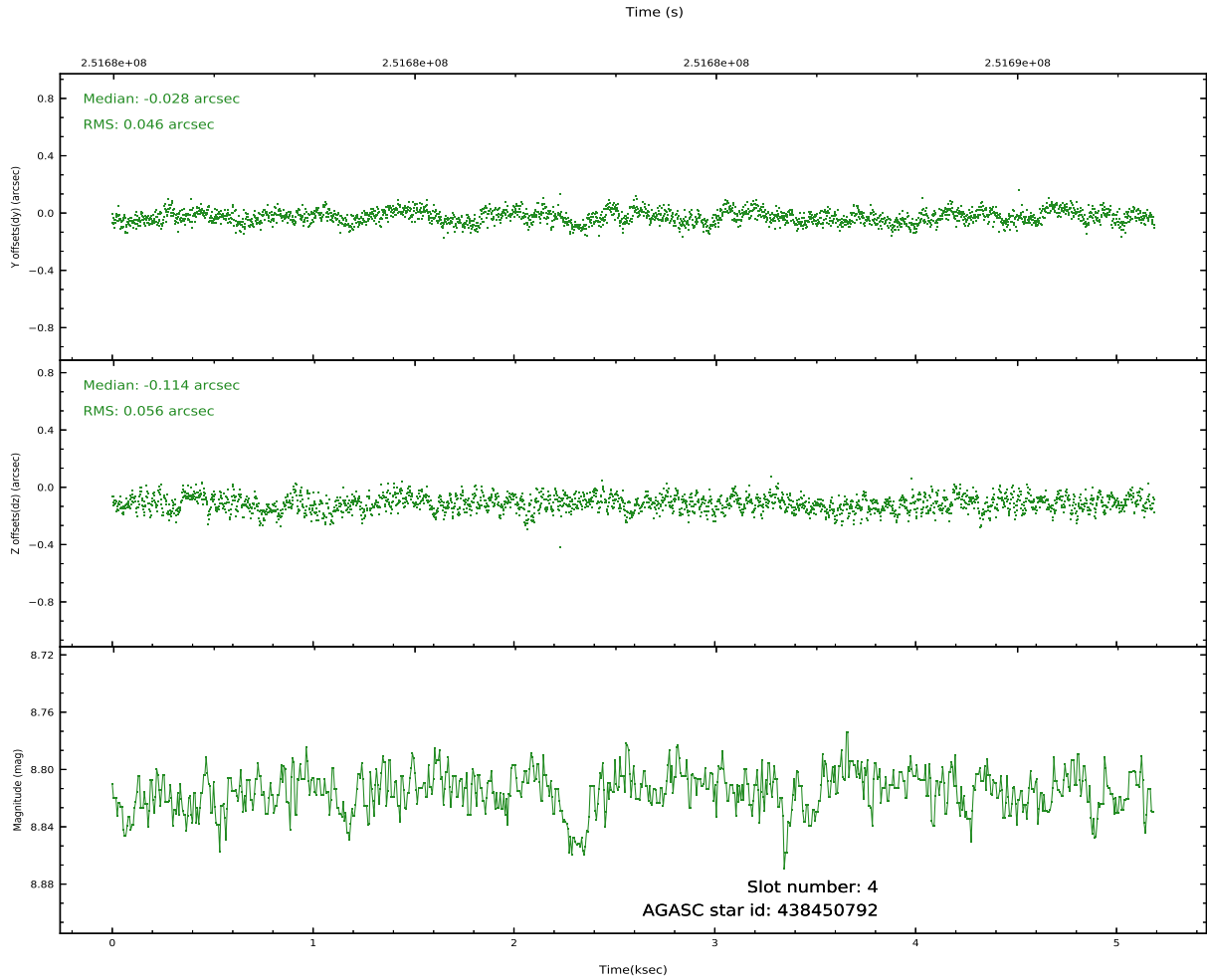
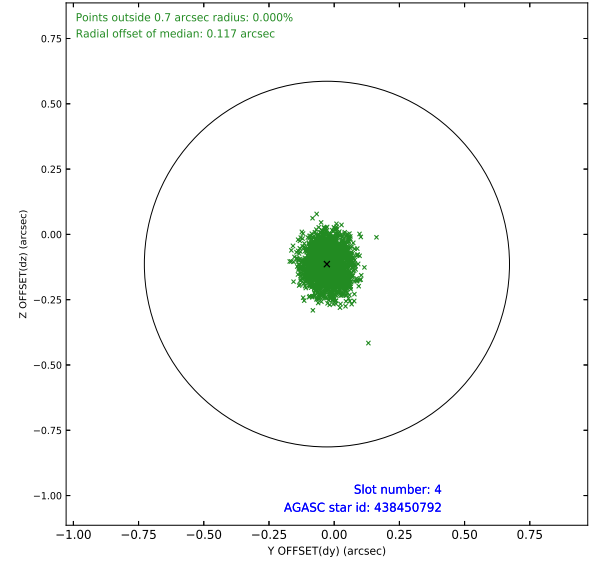
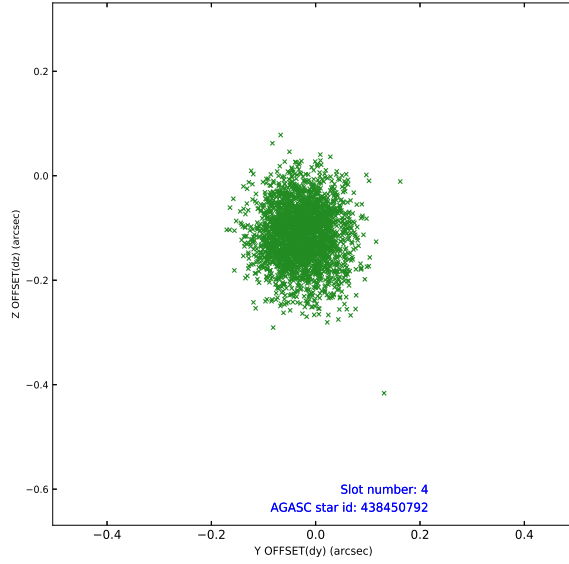
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	1266	1.000	-0.069	0.149	0.012	0.020	0.000000	0.000000	-765.83	-1237
1	FID		HRC-I-2	7.05	1265	1.000	0.193	-0.119	0.014	0.022	0.000000	0.000000	846.29	-1240
2	FID		HRC-I-3	7.09	1266	1.000	-0.005	-0.120	0.015	0.024	0.000000	0.000000	-1193.72	1065
3	GUIDE	used	438441368	9.99	2506	1.000	-0.119	0.306	0.147	0.258	78.646413	46.420494	524.42	-1898
4	GUIDE	used	438450792	8.81	2531	1.000	-0.028	-0.114	0.076	0.126	78.654240	46.382628	571.32	-1769
5	GUIDE	used	440150048	7.14	2532	1.000	0.019	-0.144	0.068	0.105	79.112838	46.416060	-492.96	-1347
6	GUIDE	used	440164960	8.32	2532	1.000	0.123	-0.019	0.080	0.126	79.132526	46.140947	-79.02	-445
7	GUIDE	used	440145016	9.55	2528	1.000	0.005	-0.023	0.112	0.177	80.238026	45.801940	-1984.89	1901

2.4 Star Slots

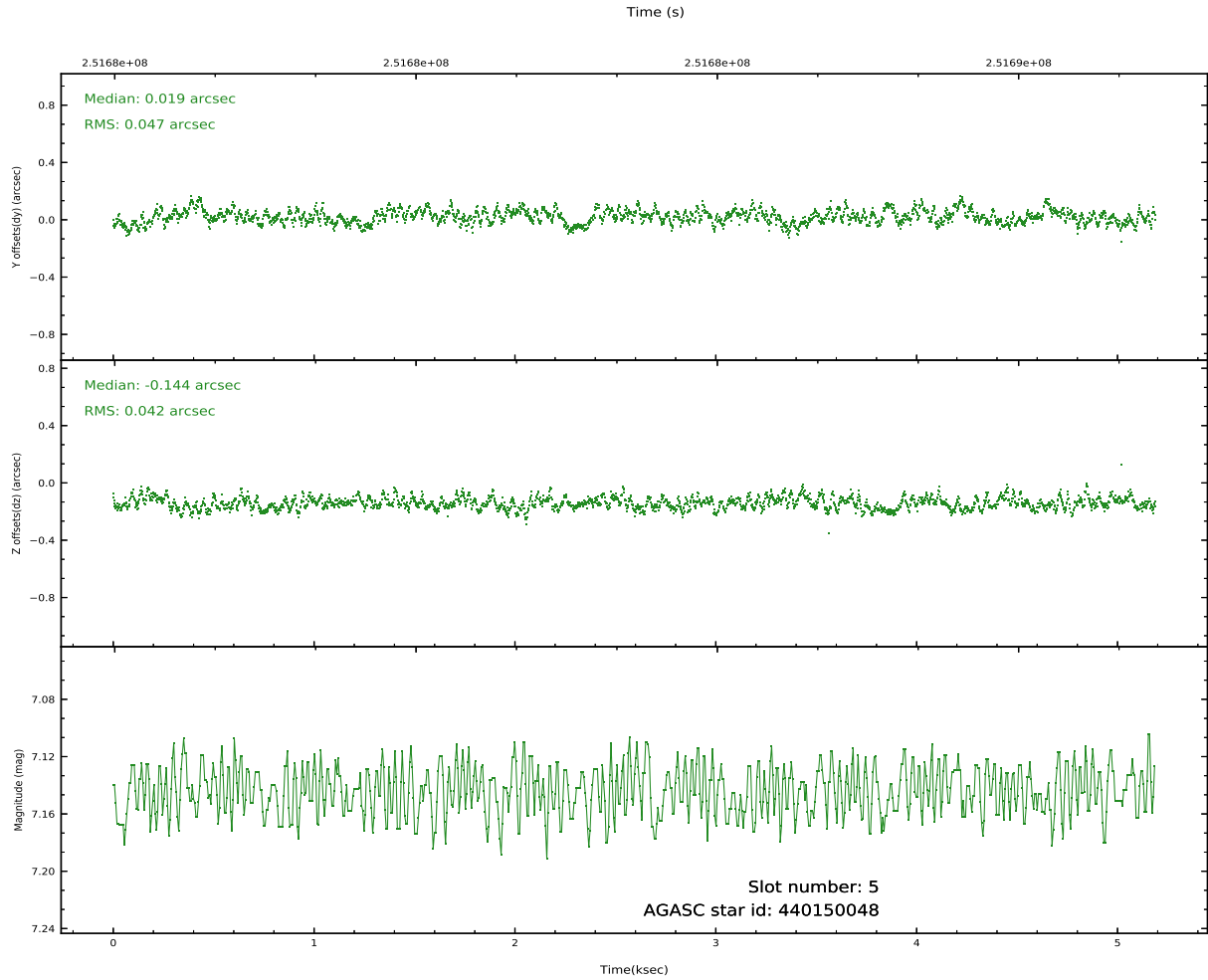
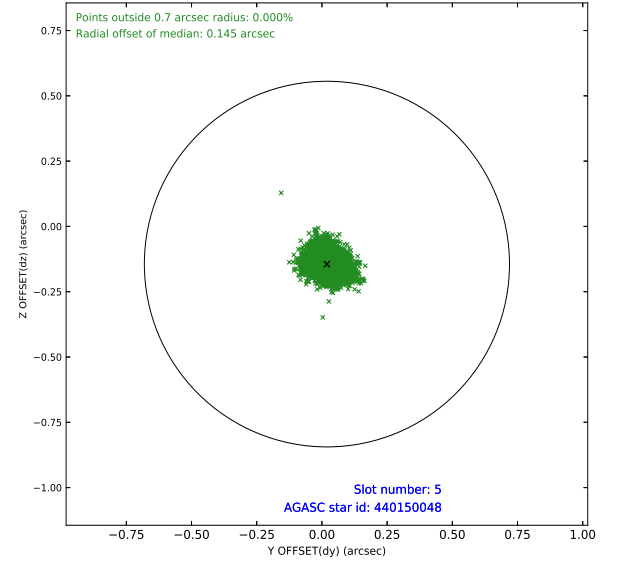
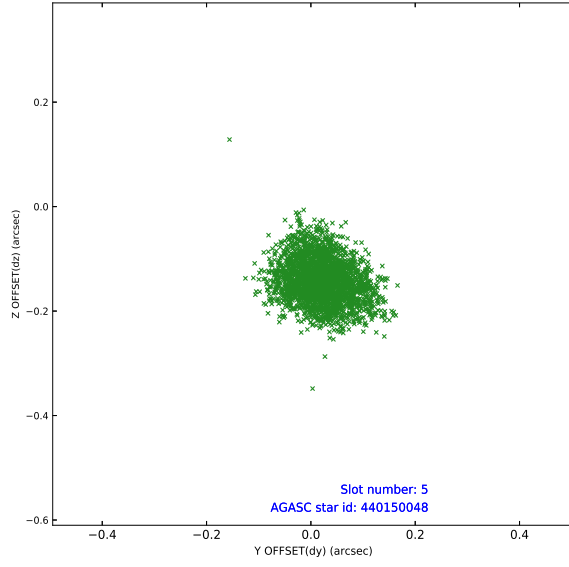
2.4.1 Slot 3



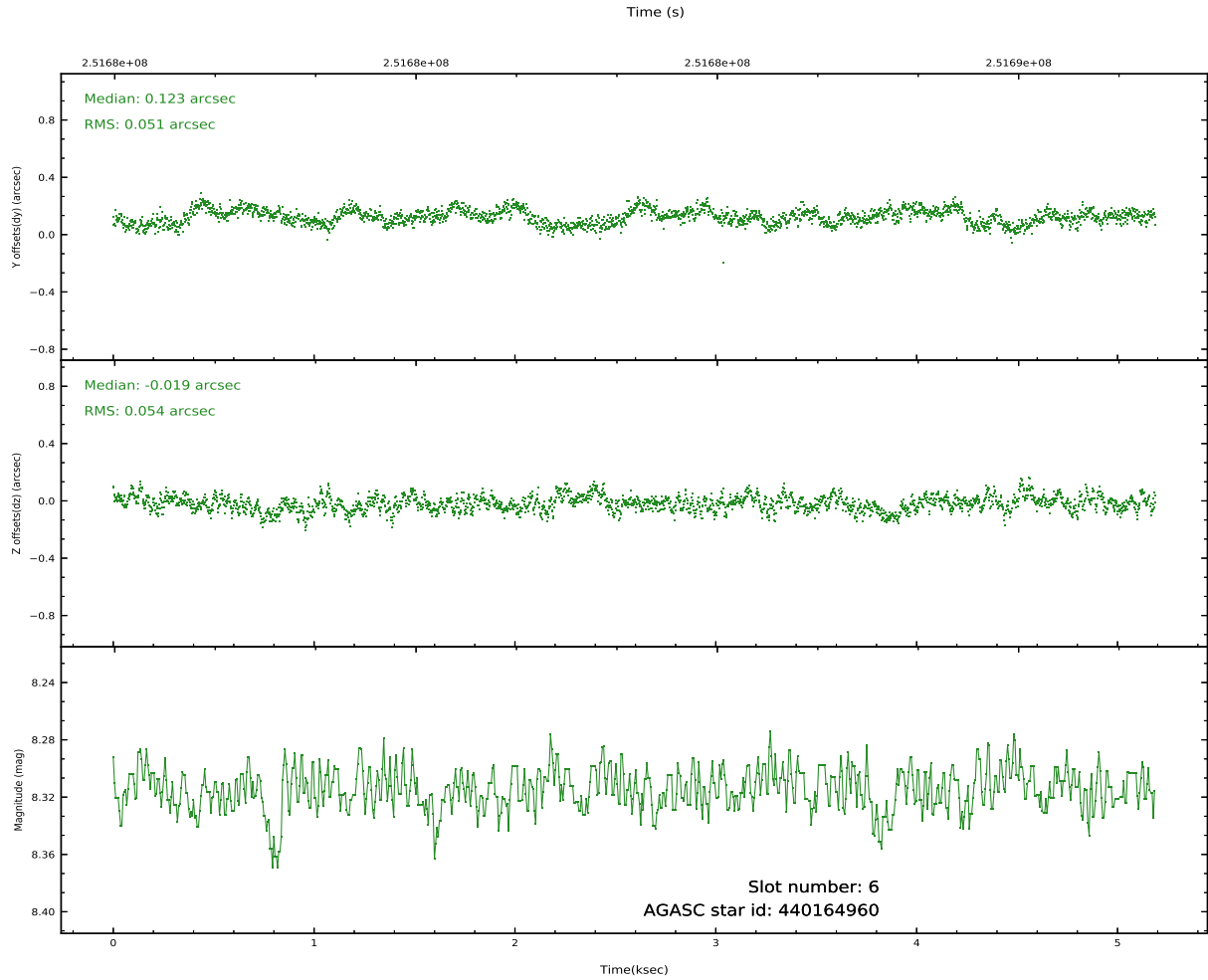
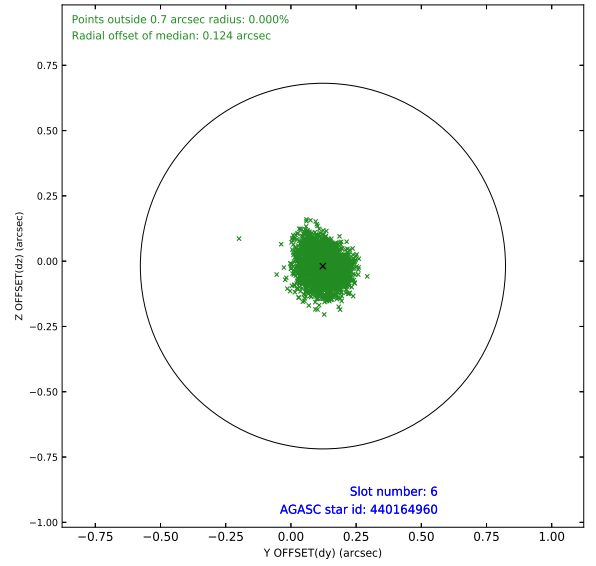
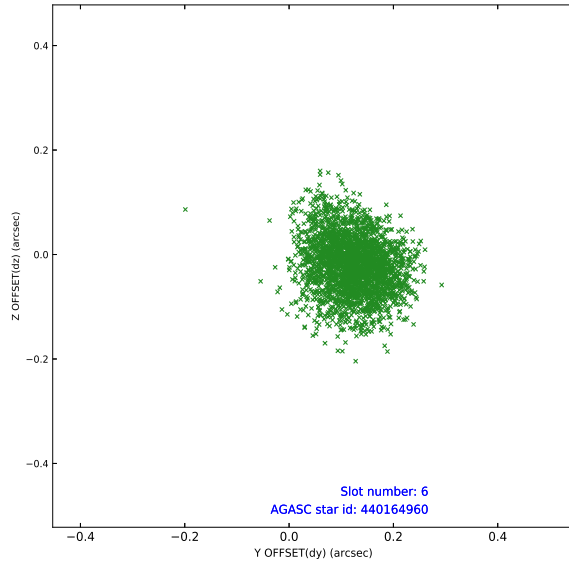
2.4.2 Slot 4



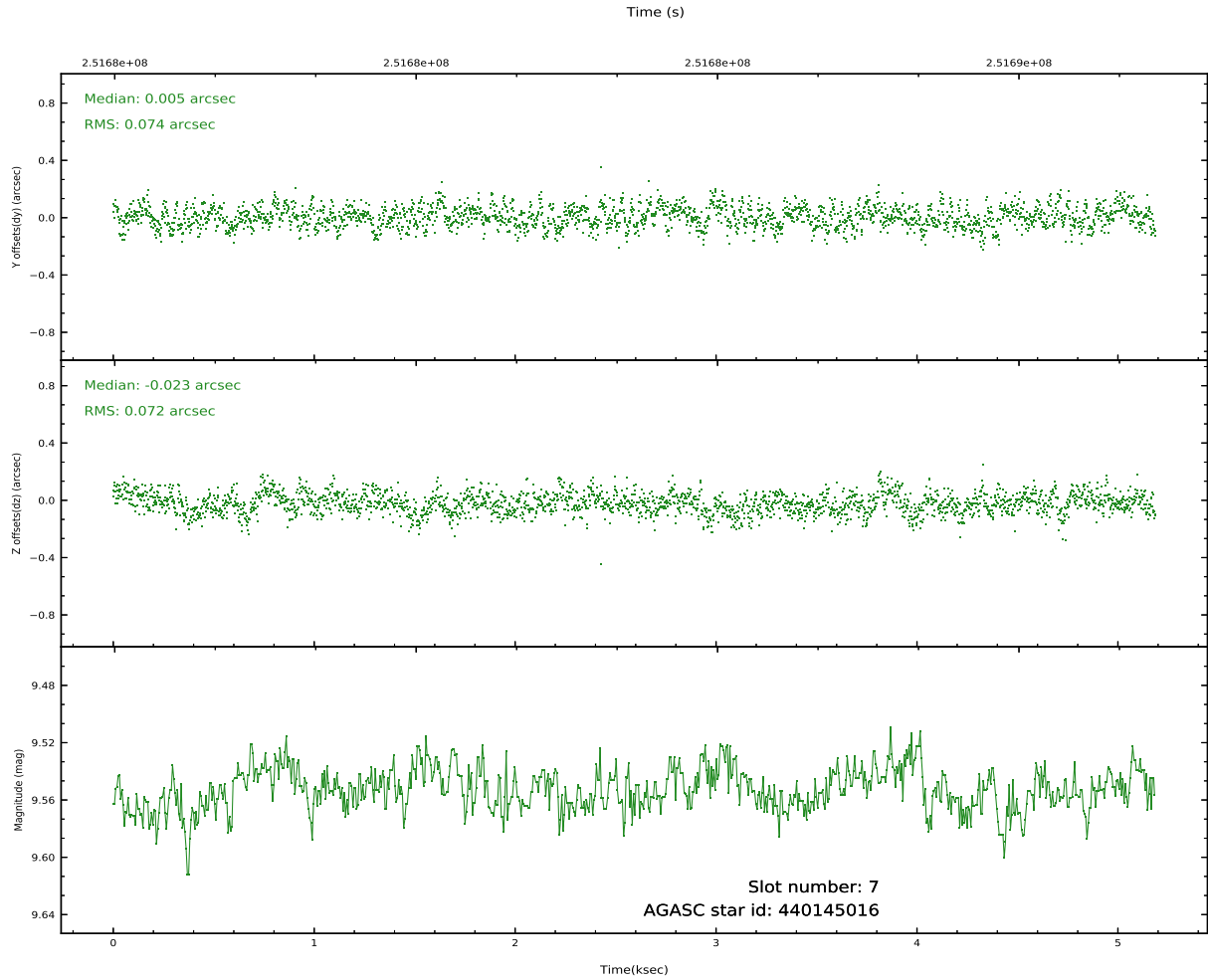
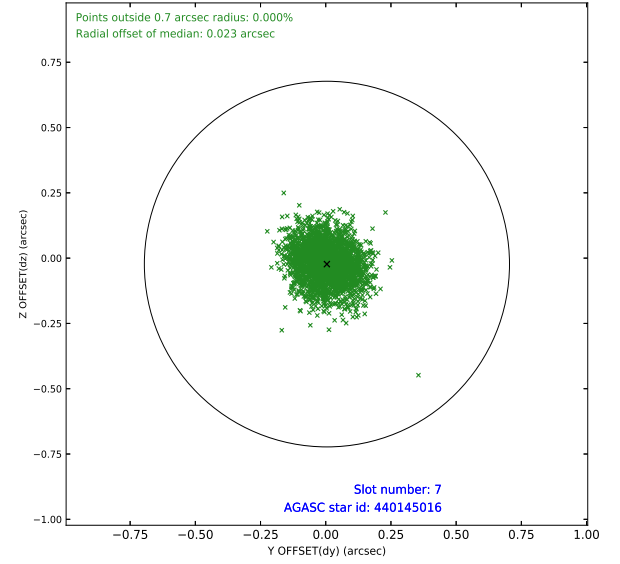
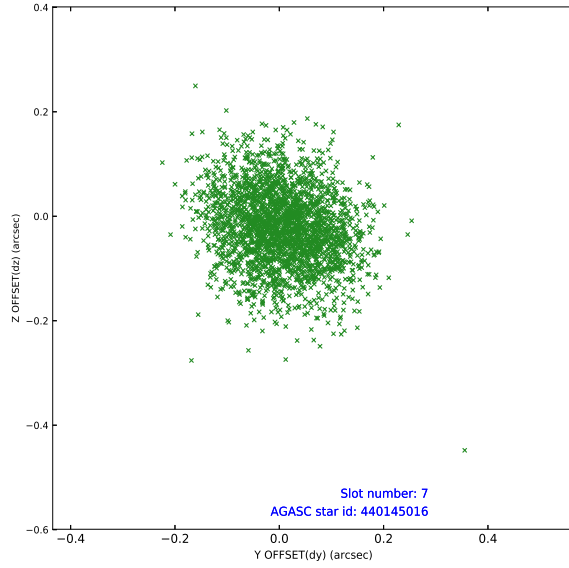
2.4.3 Slot 5



2.4.4 Slot 6

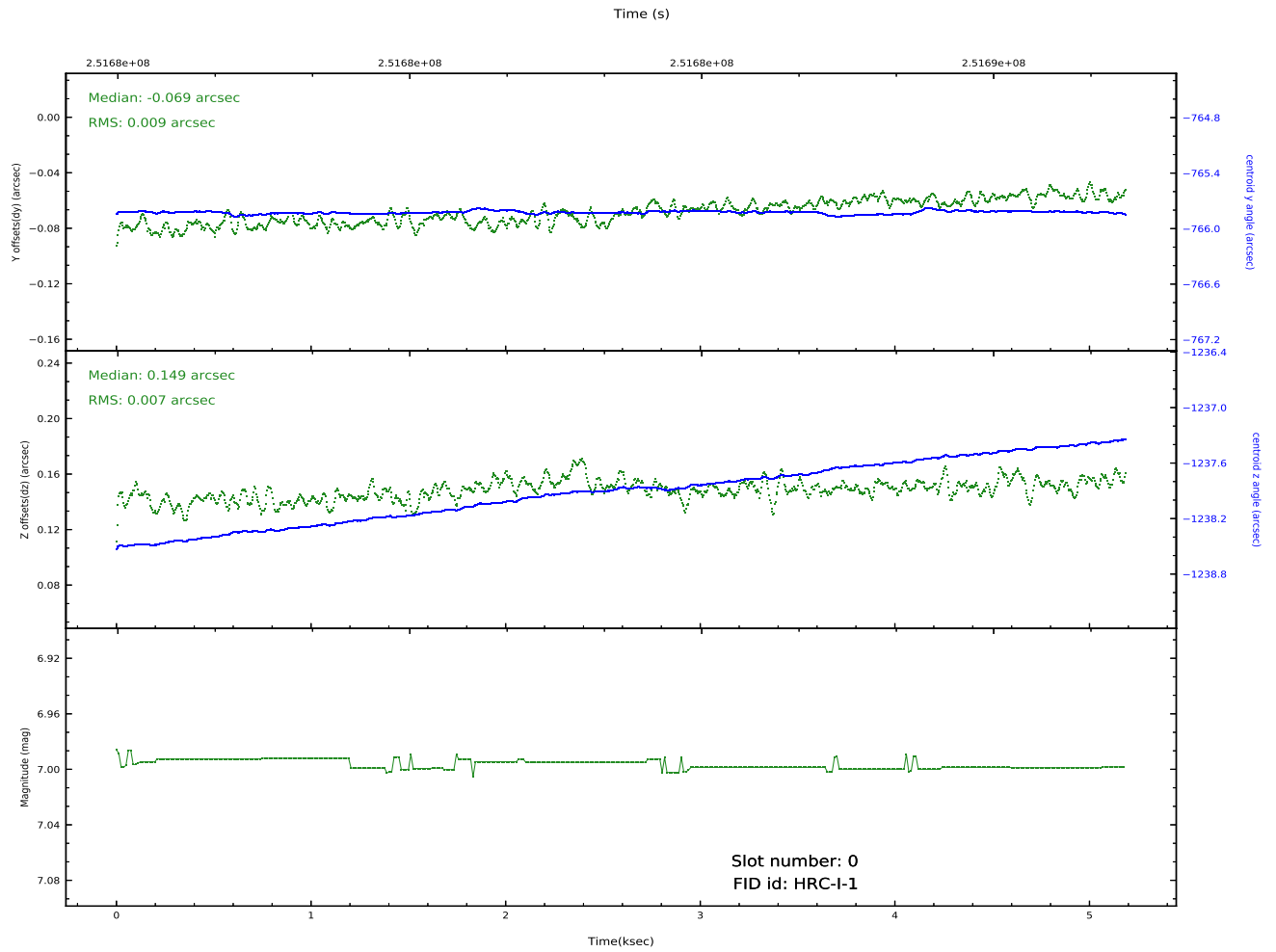
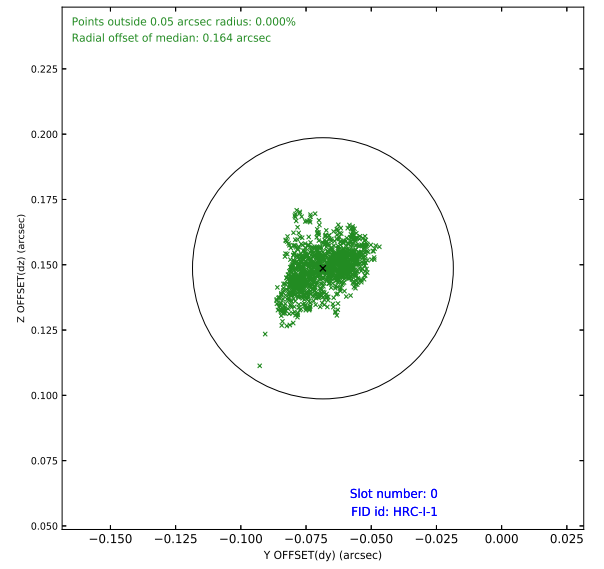
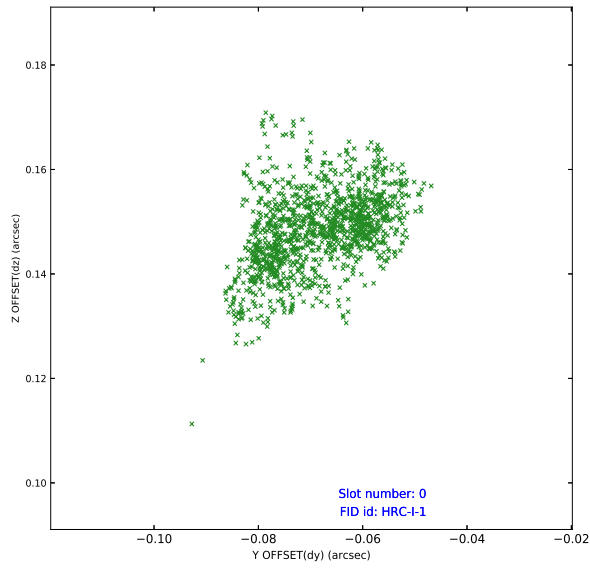


2.4.5 Slot 7

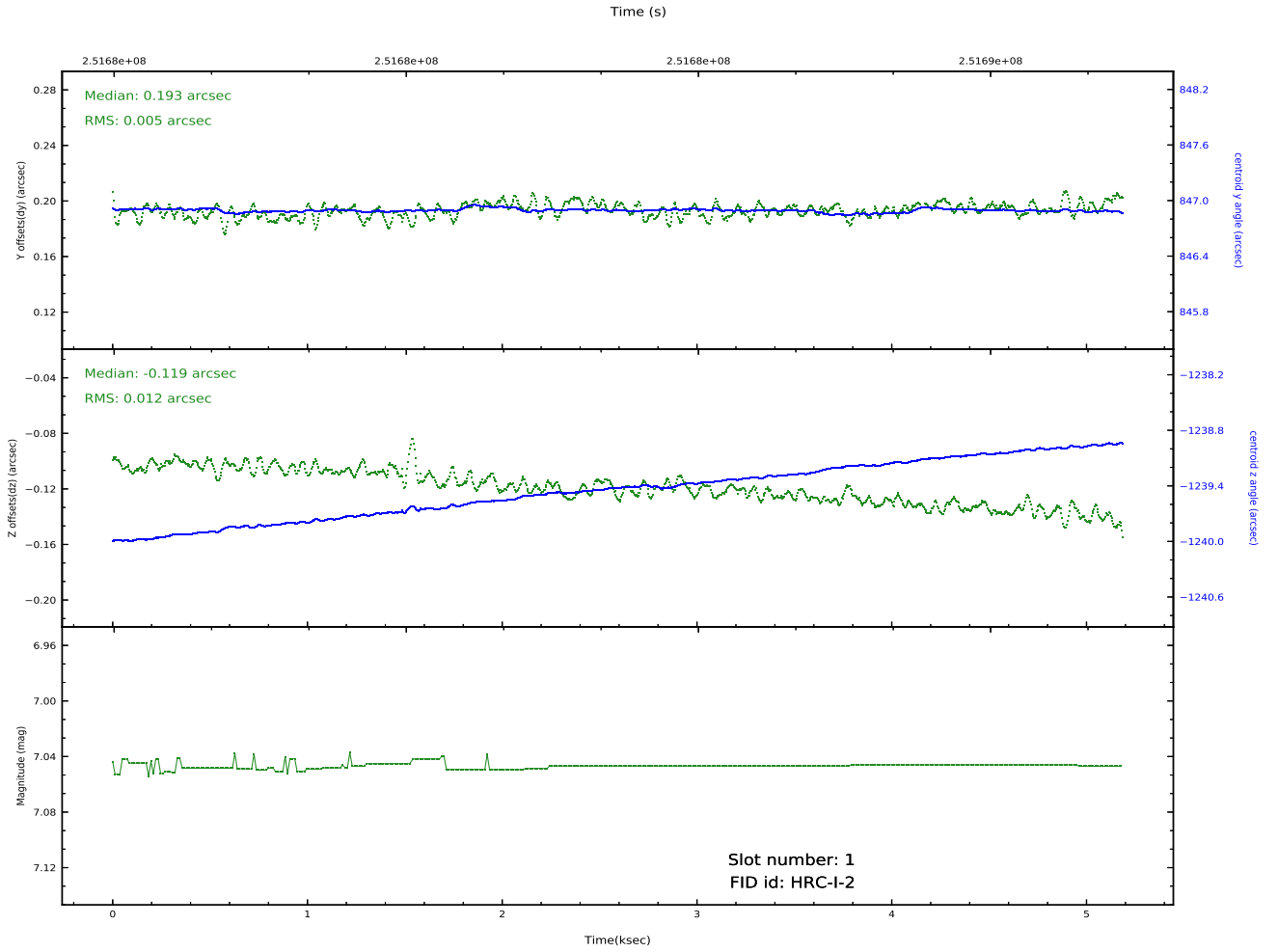
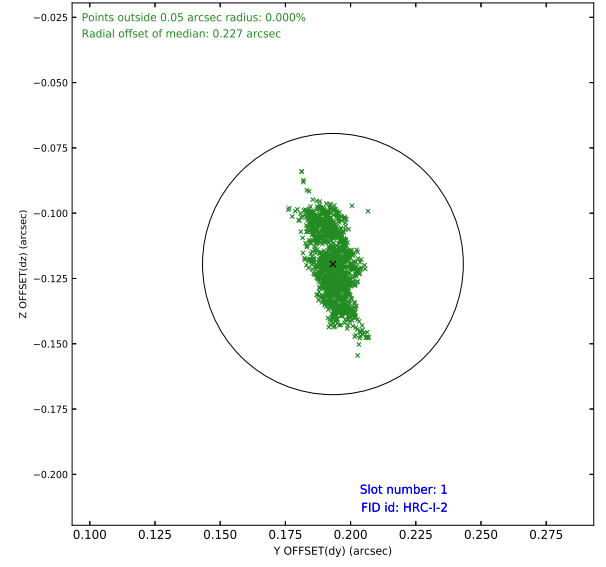
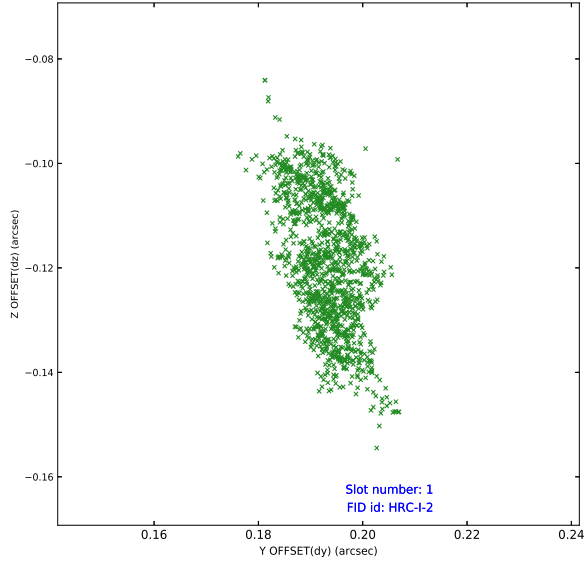


2.5 FID Slots

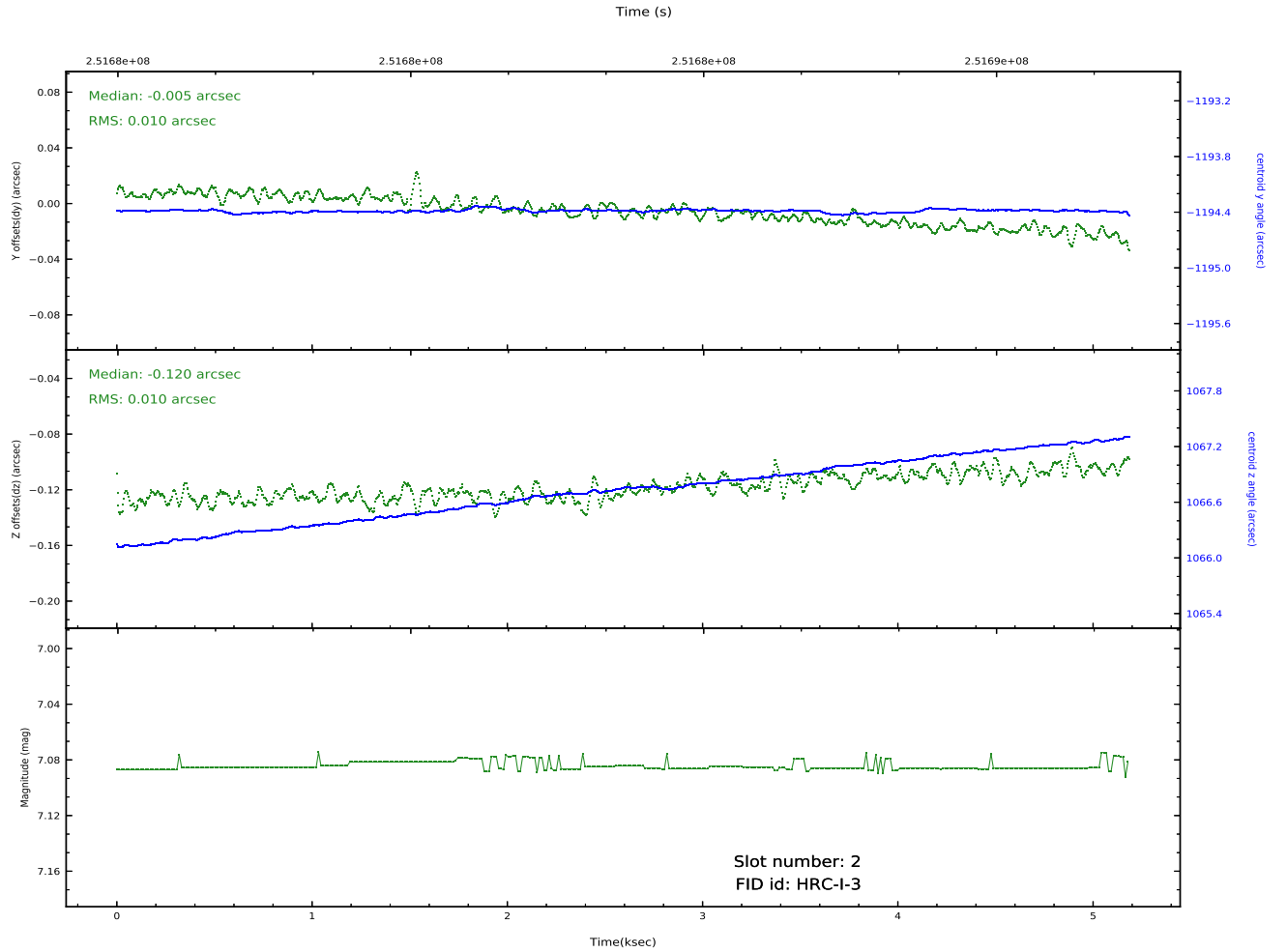
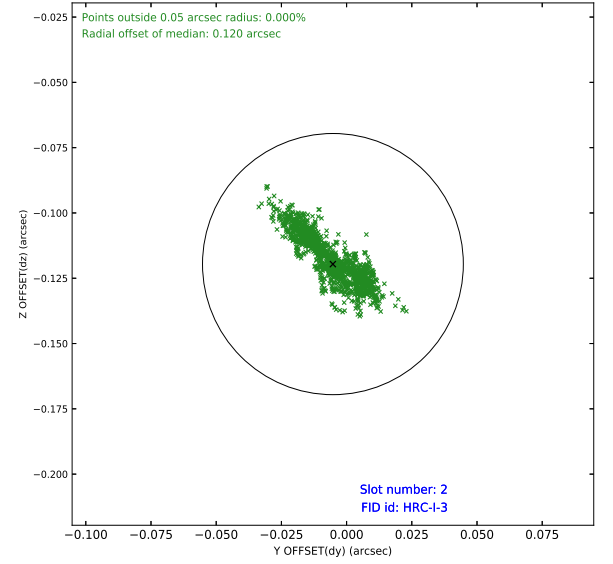
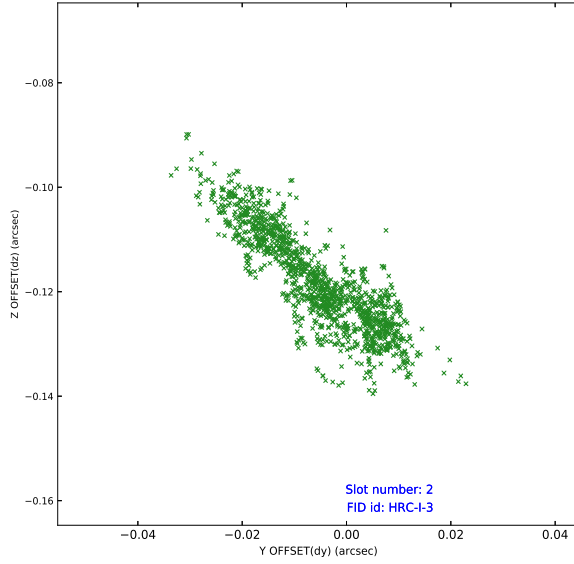
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.187781

A.2 Comments