

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6545 - L2 Version 5
Chandra X-Ray Center

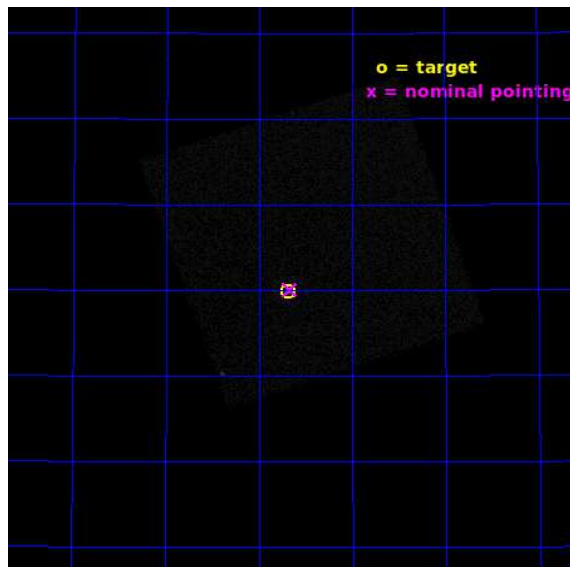
L2 Processing Date : Oct 12 2020

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1 Front

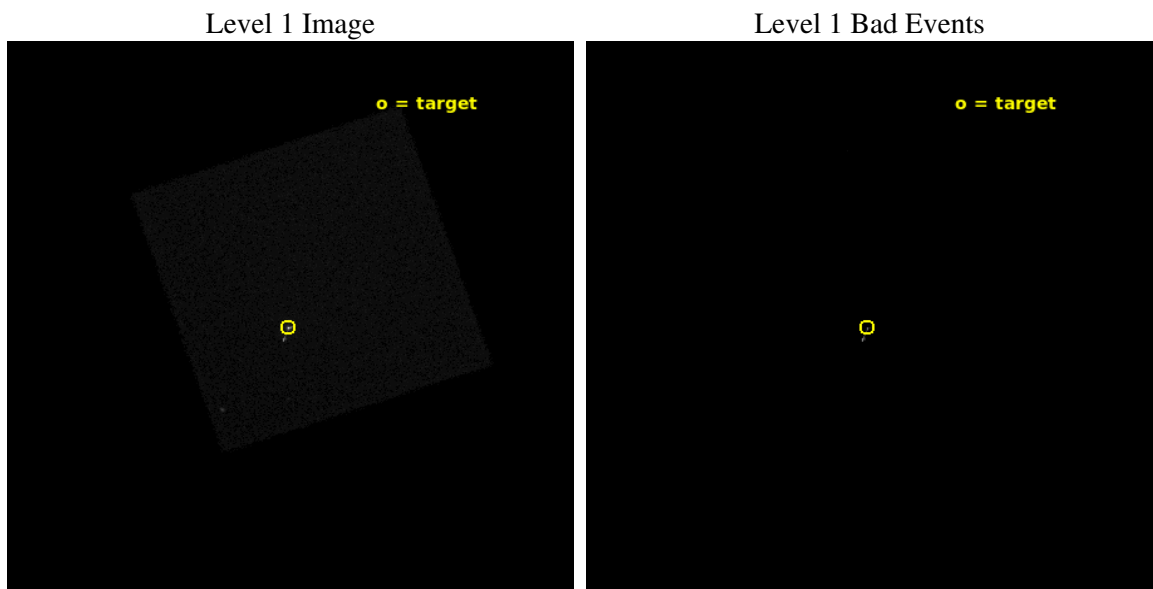
seq_num	290638	Sequence number
obs_id	6545	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.167417238684	Nominal RA [deg]
dec_nom	46.001421401913	Nominal Dec [deg]
roll_nom	206.1152937944	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5185.7314899862	[s]
livetime	5139.2960523426	Ontime multiplied by DTCOR
l2events	317967	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5185.7314899862	[s]
caldsver	4.9.2	 	l1events	531306	Number of level 1 events
date	2020-10-12T06:01:21	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

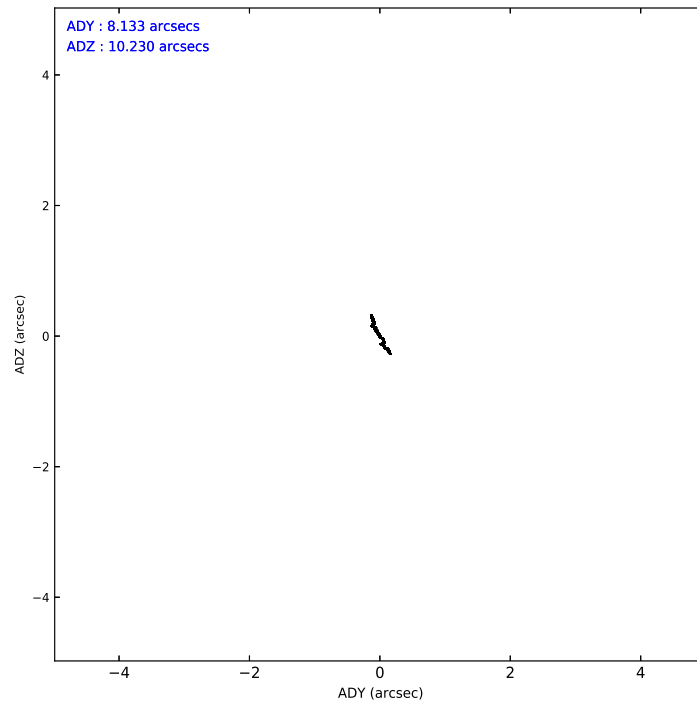
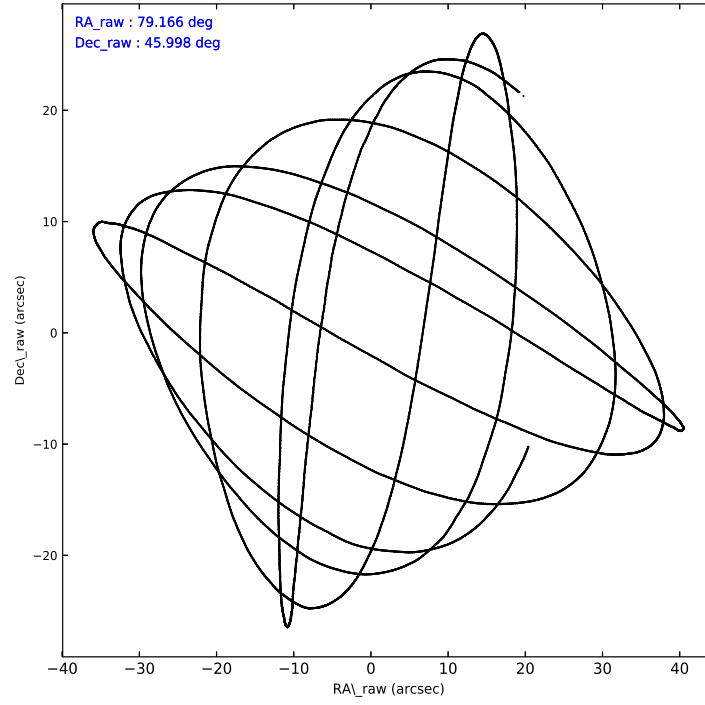
	segment 0
level 1 events	531306
rejected events	106804
rejected %	20%

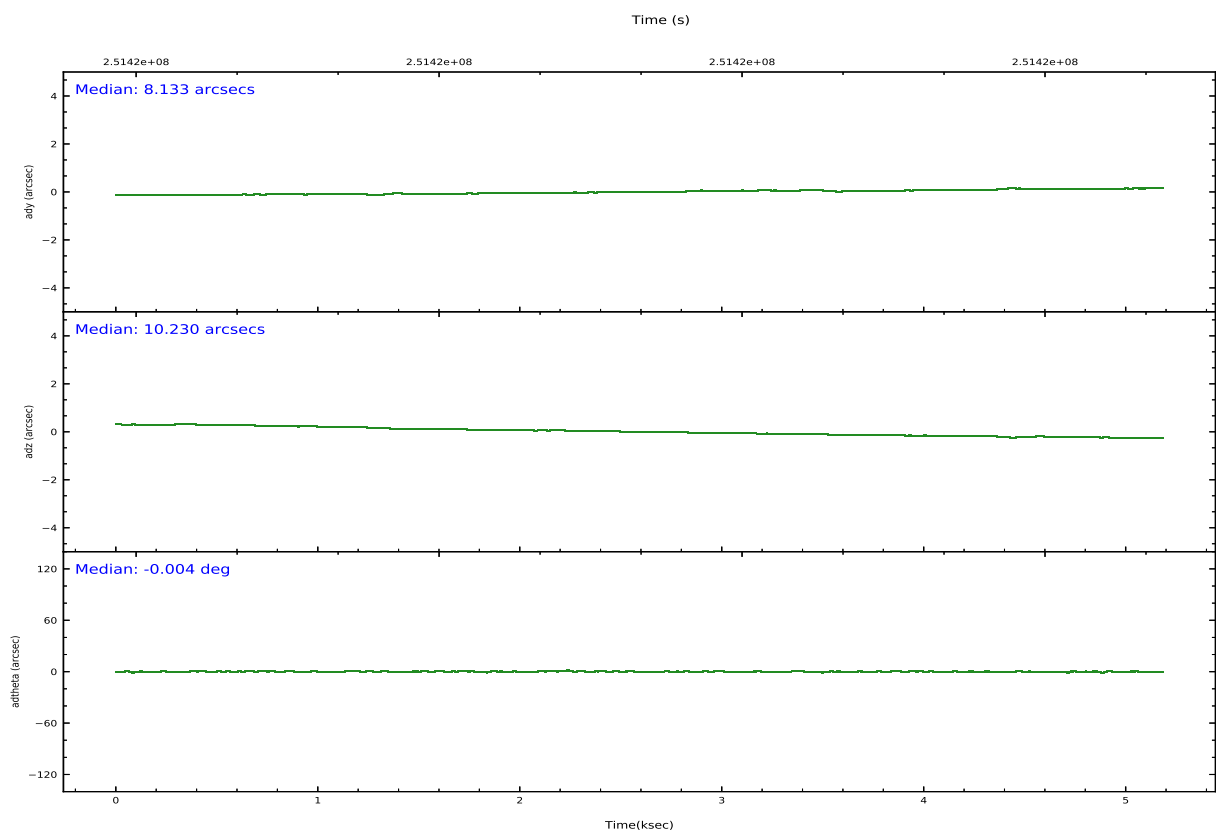
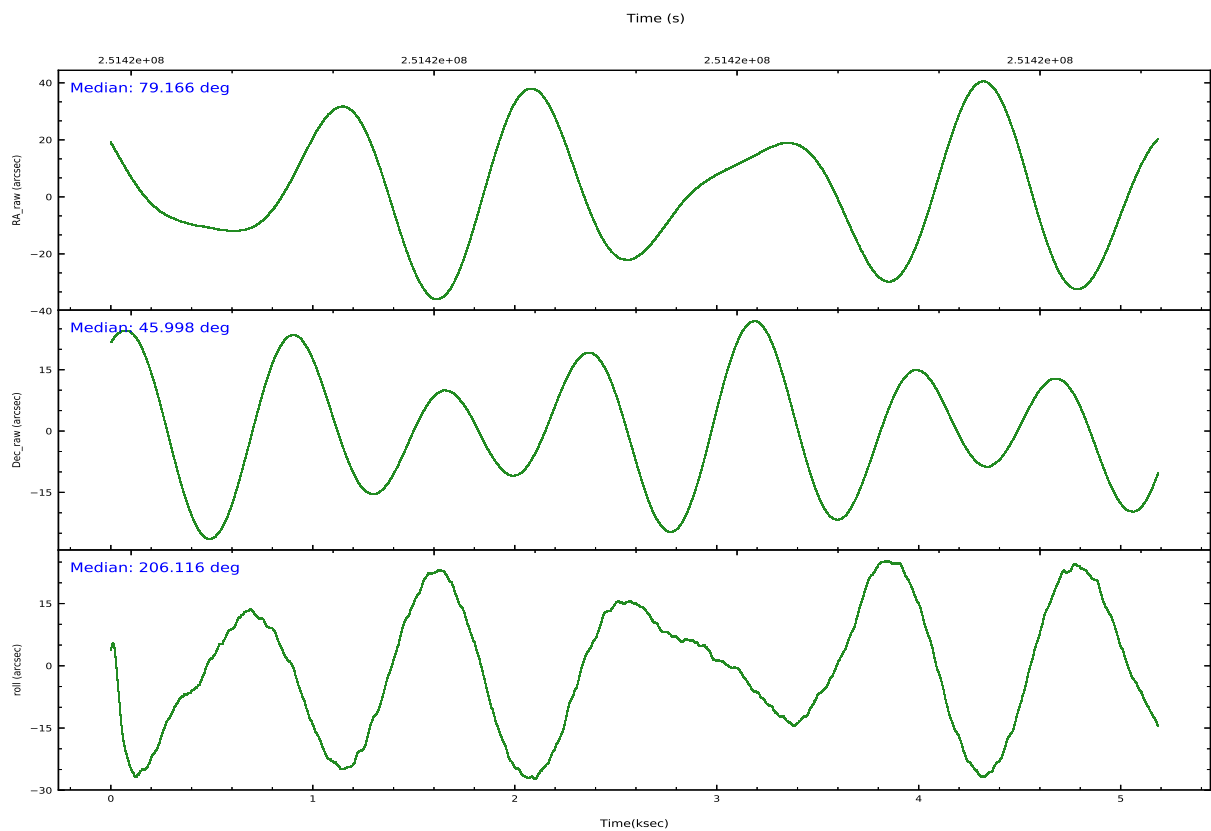
2.2 Compared Parameters

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	79.187513	79.167417238684
[deg] Pointing Dec	46.020595	46.001421401913
[deg] Pointing Roll	206.201202	206.1152937944
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	144.985494	144.9879918644574
[mm] SIM translation stage offset	-18	-18.00250297285584
[s] Observation start time (MET)	251419085.184000	251417526.49265
Observation start date	2005-12-19T22:37:01	2005-12-19T22:12:06
[s] Observation end time (MET)	251424085.184000	251424346.33046
Observation end date	2005-12-20T00:00:21	2005-12-20T00:05:46

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

2.3 Aspect



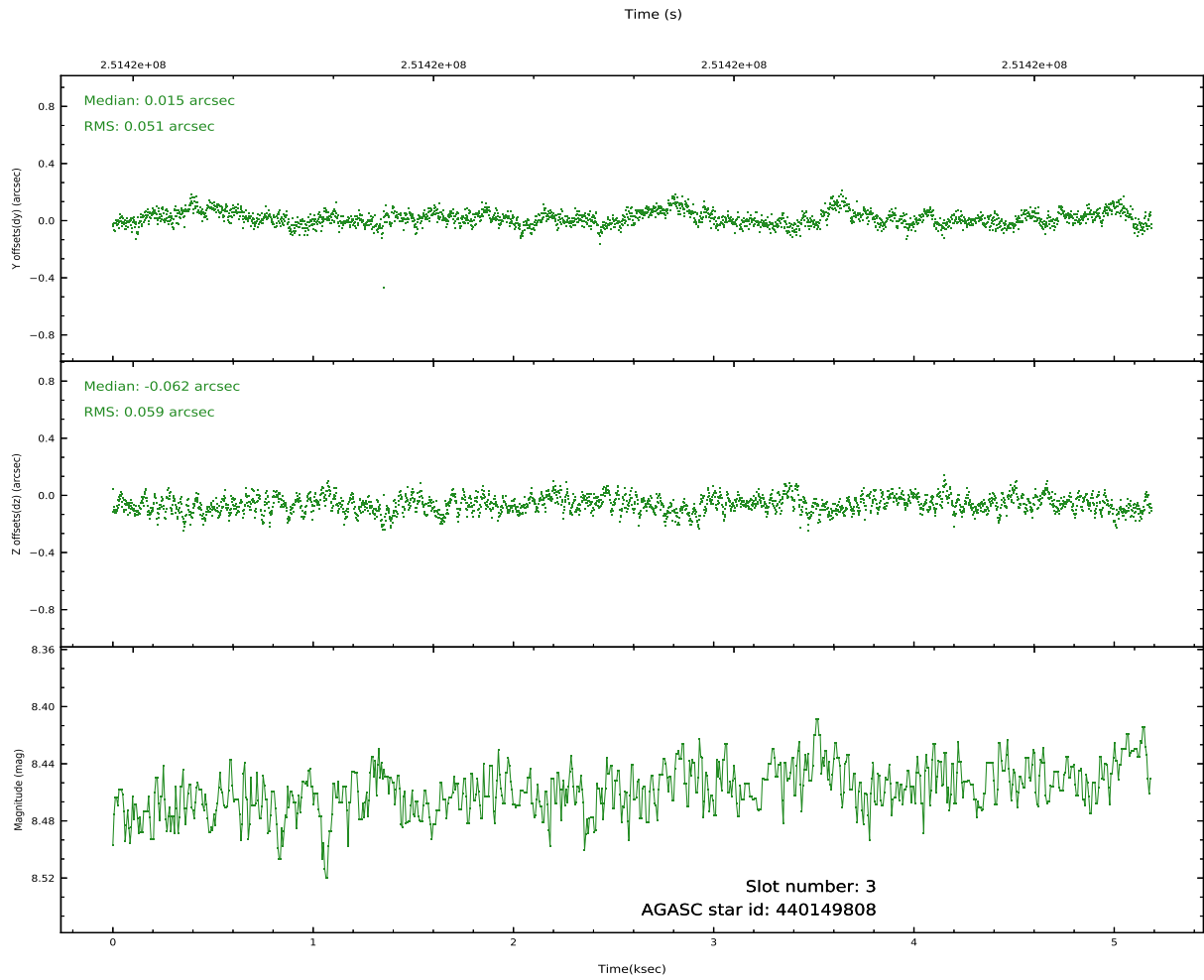
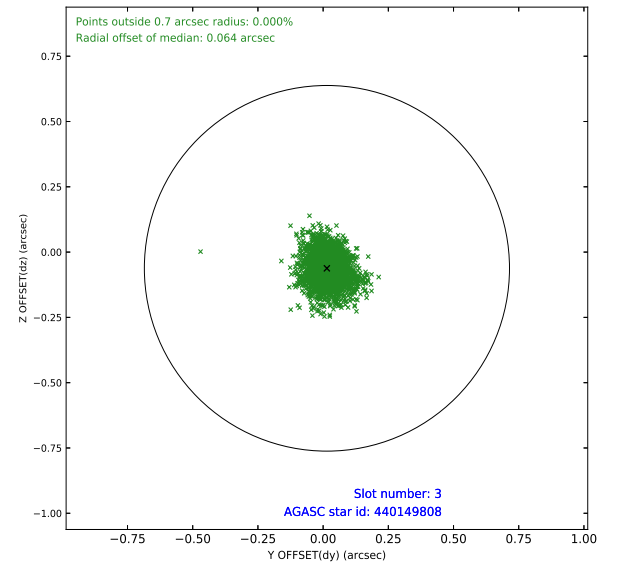
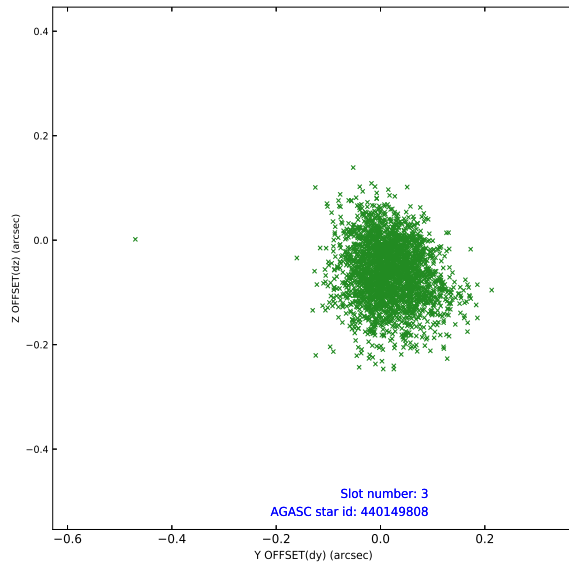


Slot Statistics

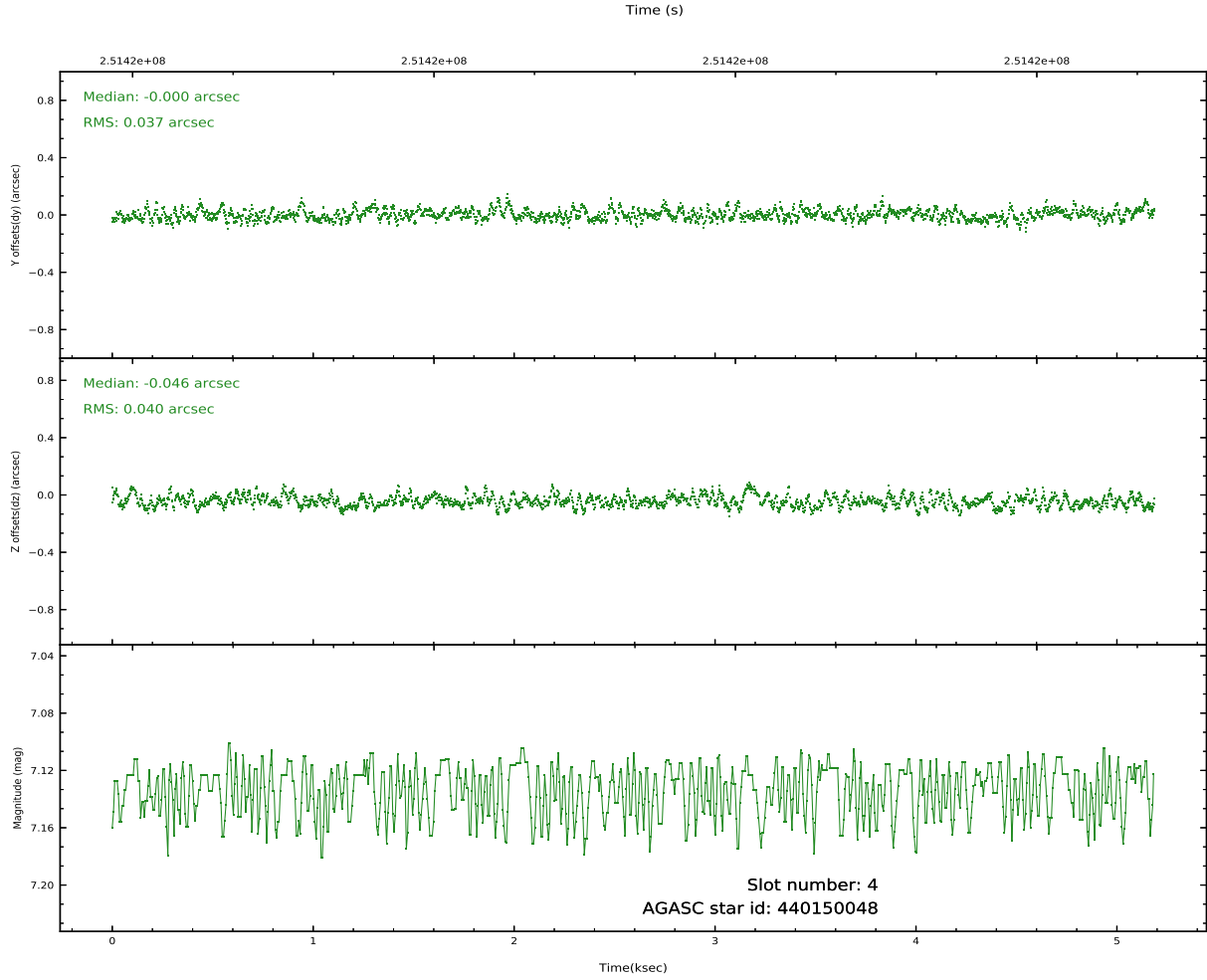
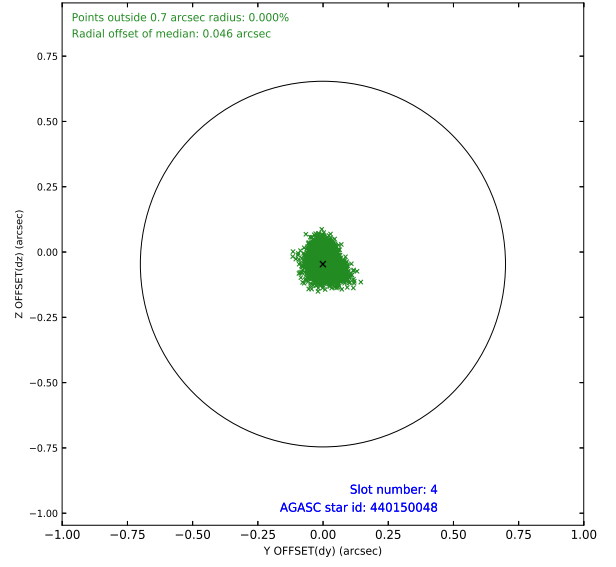
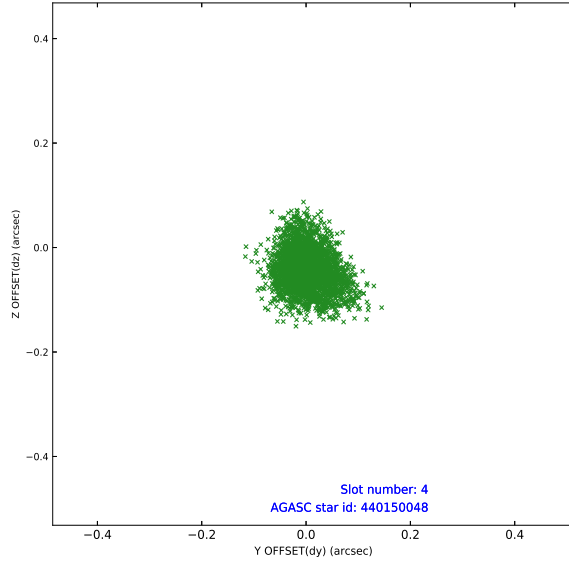
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.93	1265	1.000	0.255	-0.741	0.008	0.013	0.000000	0.000000	-763.79	-1668
1	FID		HRC-I-2	7.03	1265	1.000	-0.138	0.073	0.007	0.010	0.000000	0.000000	848.87	-1670
2	FID		HRC-I-3	7.11	1265	1.000	0.001	0.574	0.006	0.010	0.000000	0.000000	-1191.35	635
3	GUIDE	used	440149808	8.46	2530	1.000	0.015	-0.062	0.081	0.134	78.873930	46.405955	85.12	-1589
4	GUIDE	used	440150048	7.13	2531	1.000	-0.000	-0.046	0.058	0.094	79.112838	46.416060	-462.50	-1359
5	GUIDE	used	440164960	8.31	2529	1.000	0.099	0.079	0.070	0.113	79.132526	46.140947	-68.60	-449
6	GUIDE	used	440145016	9.55	2529	1.000	-0.058	0.038	0.118	0.195	80.238026	45.801940	-2026.43	1854
7	GUIDE	used	438450792	8.81	2530	1.000	-0.063	-0.008	0.071	0.121	78.654240	46.382628	610.08	-1756

2.4 Star Slots

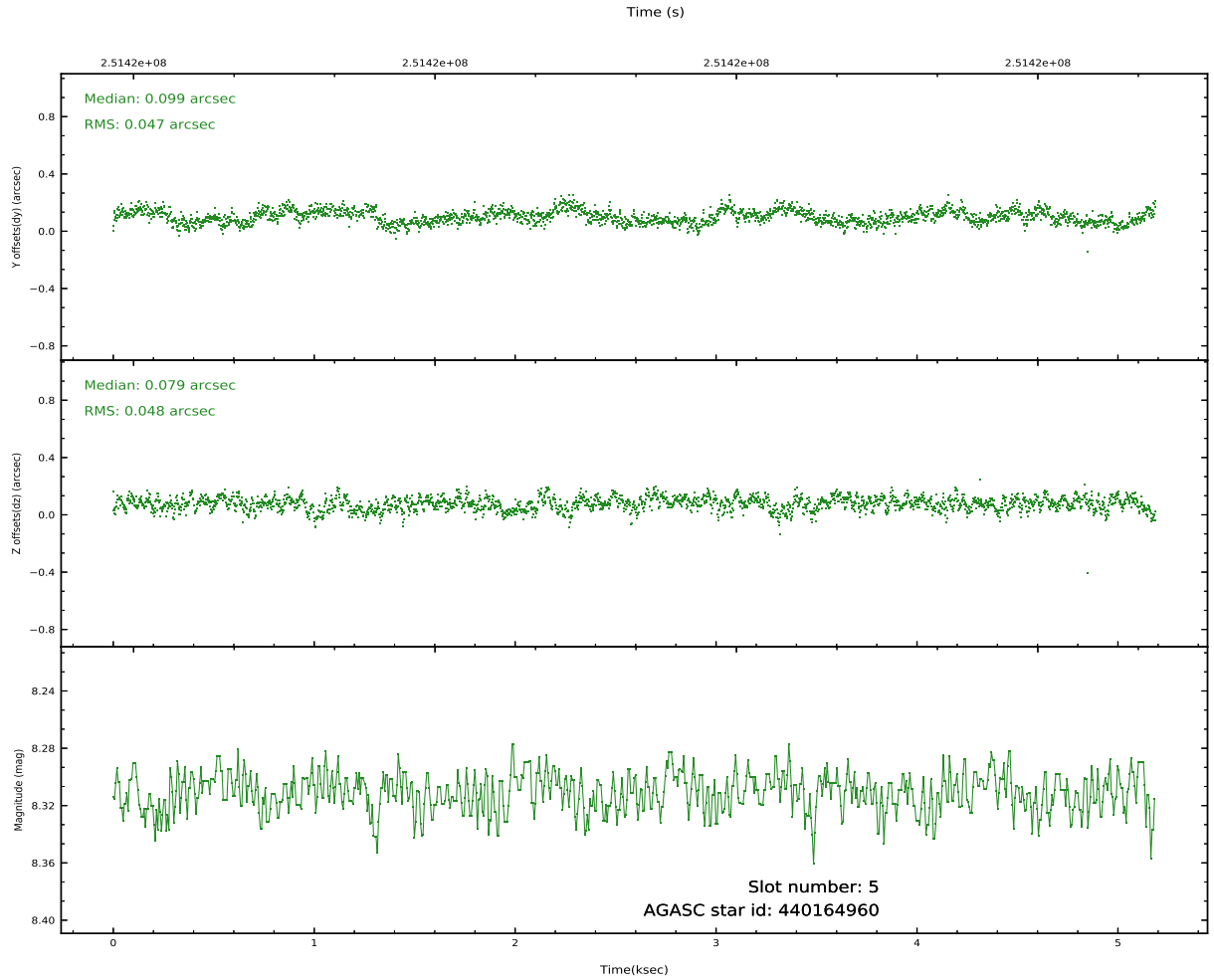
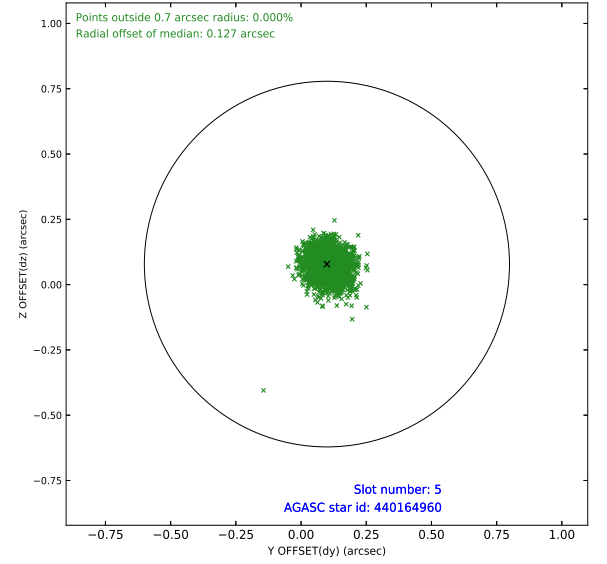
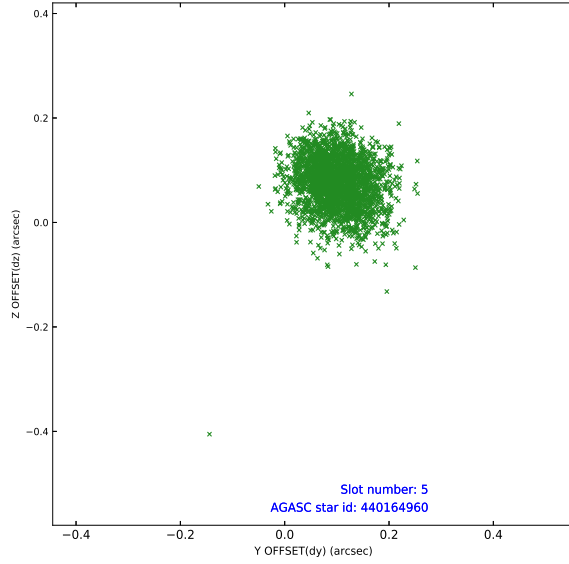
2.4.1 Slot 3



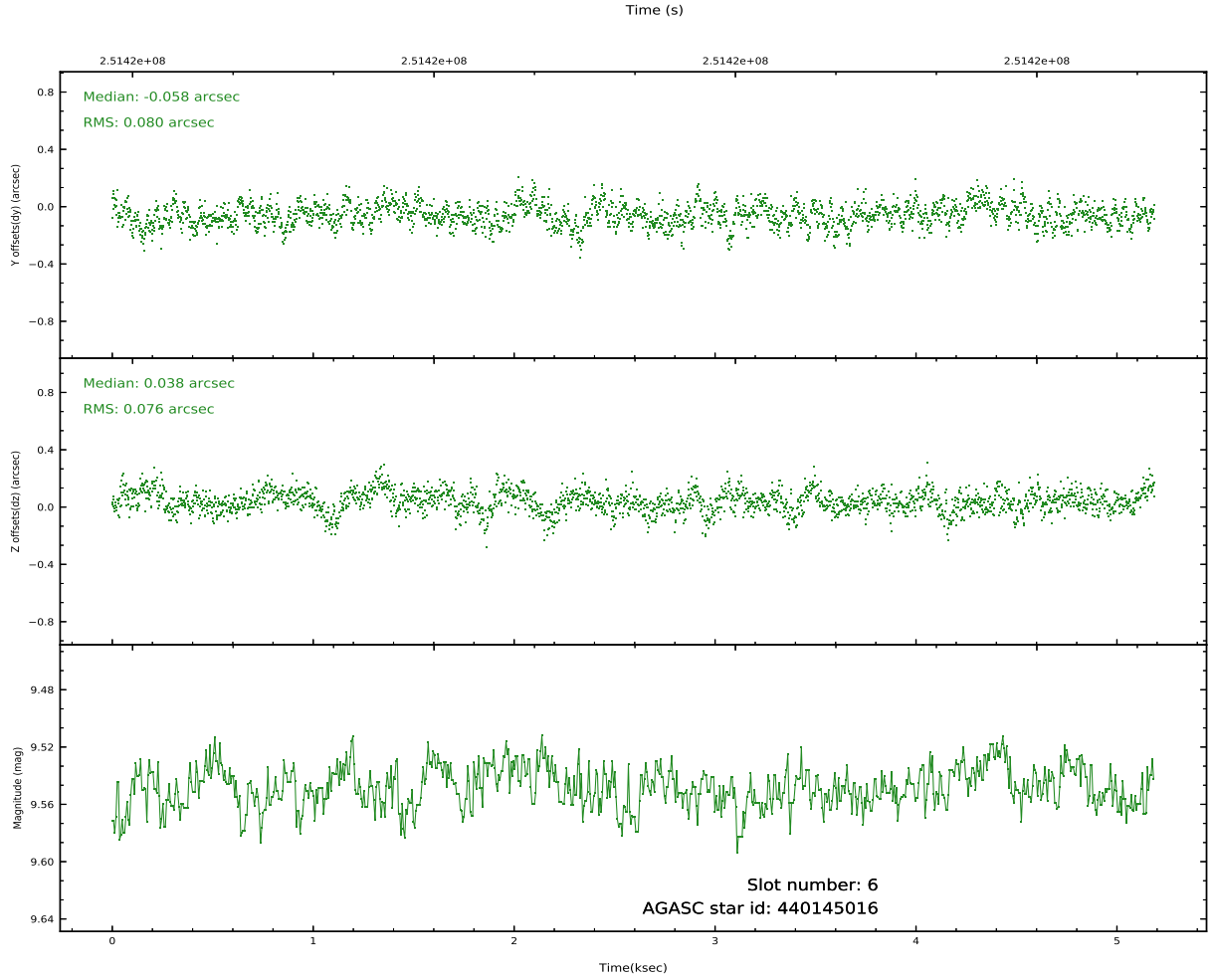
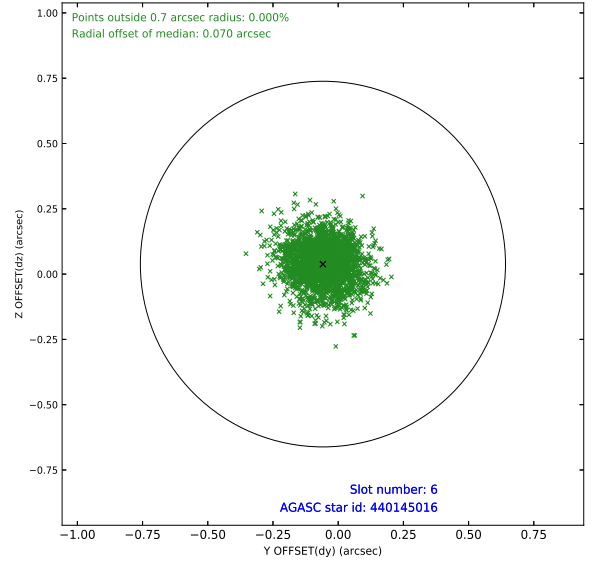
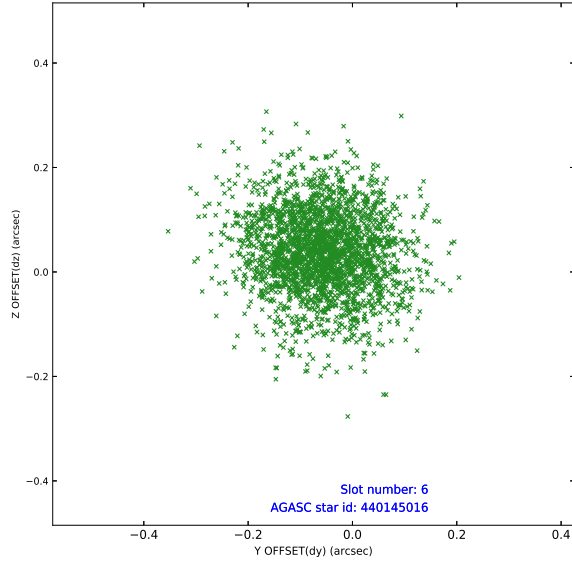
2.4.2 Slot 4



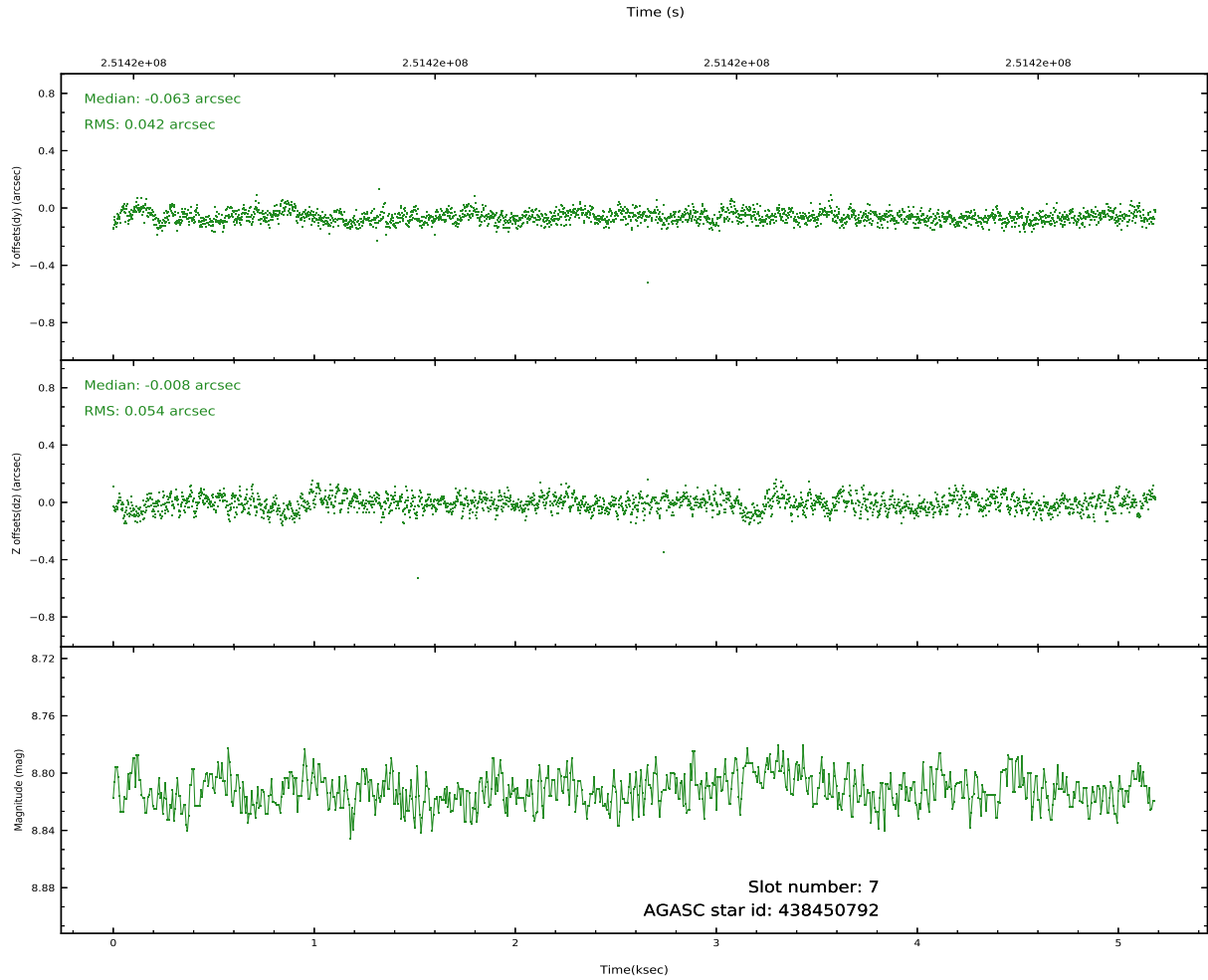
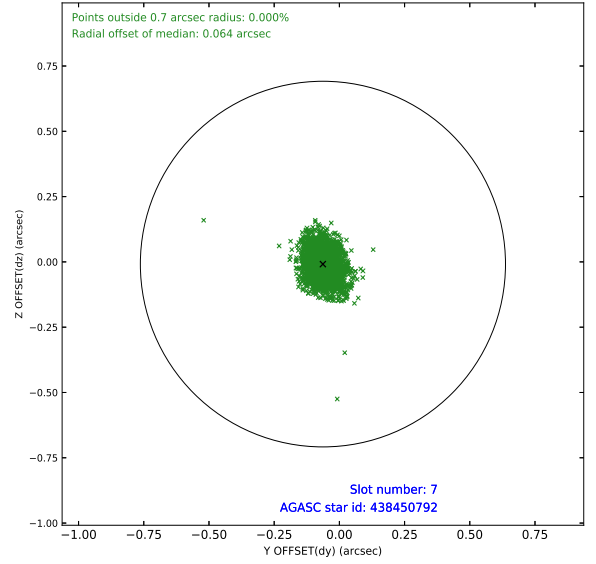
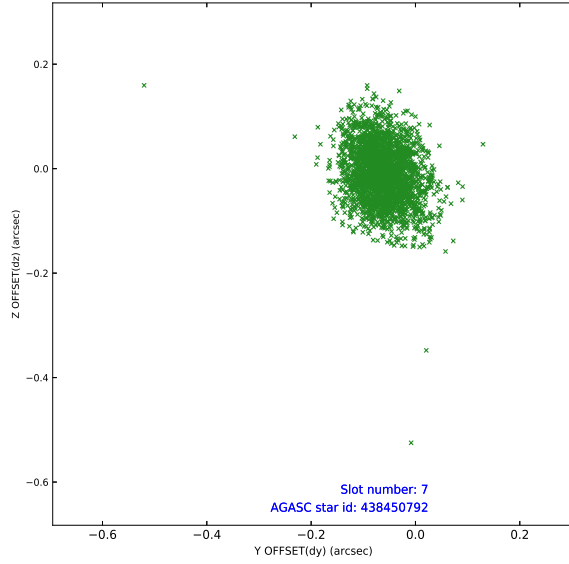
2.4.3 Slot 5



2.4.4 Slot 6

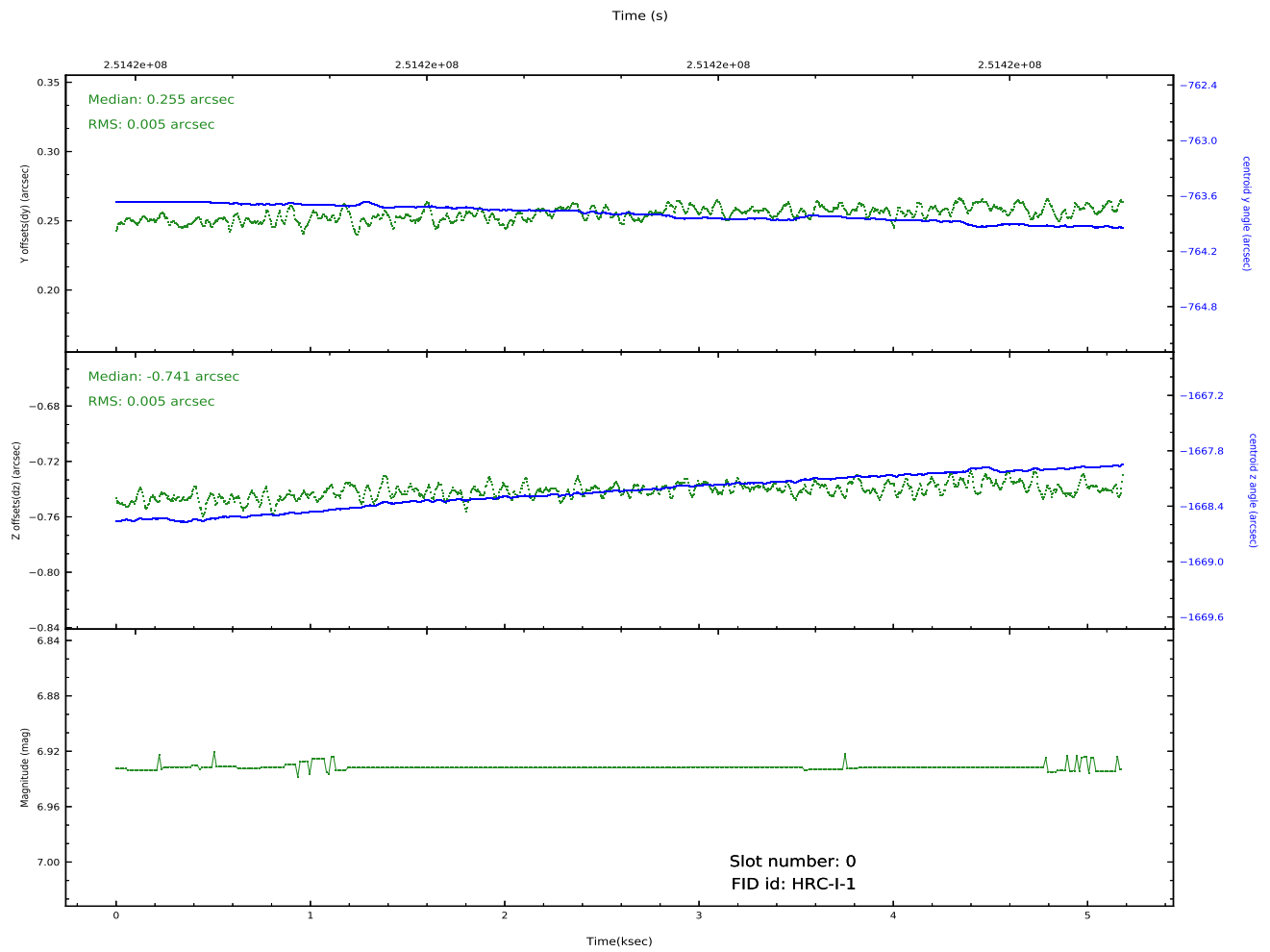
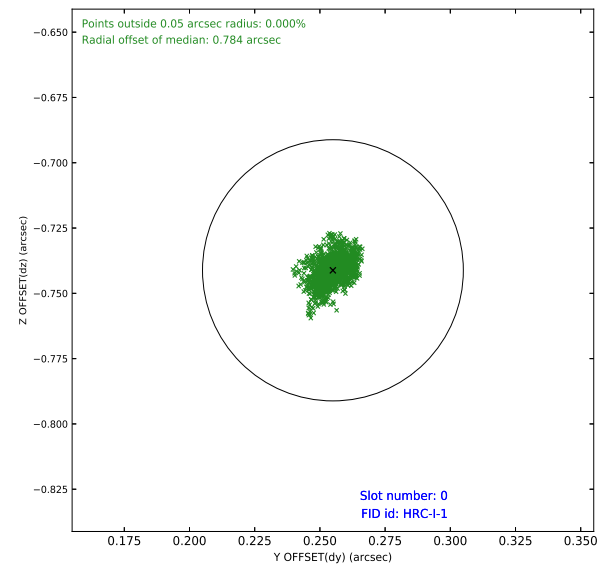
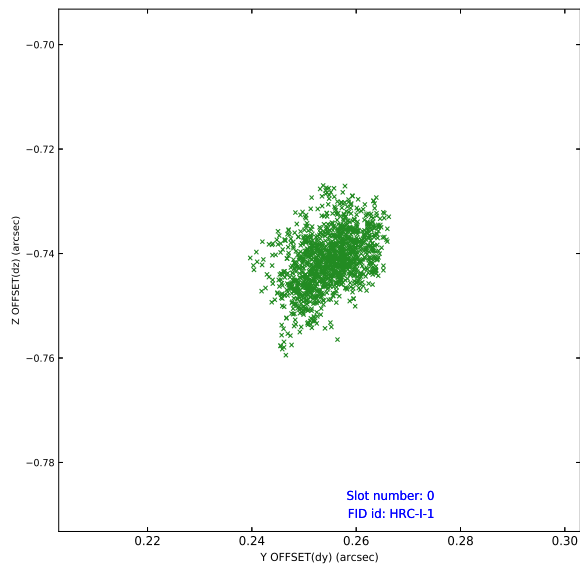


2.4.5 Slot 7

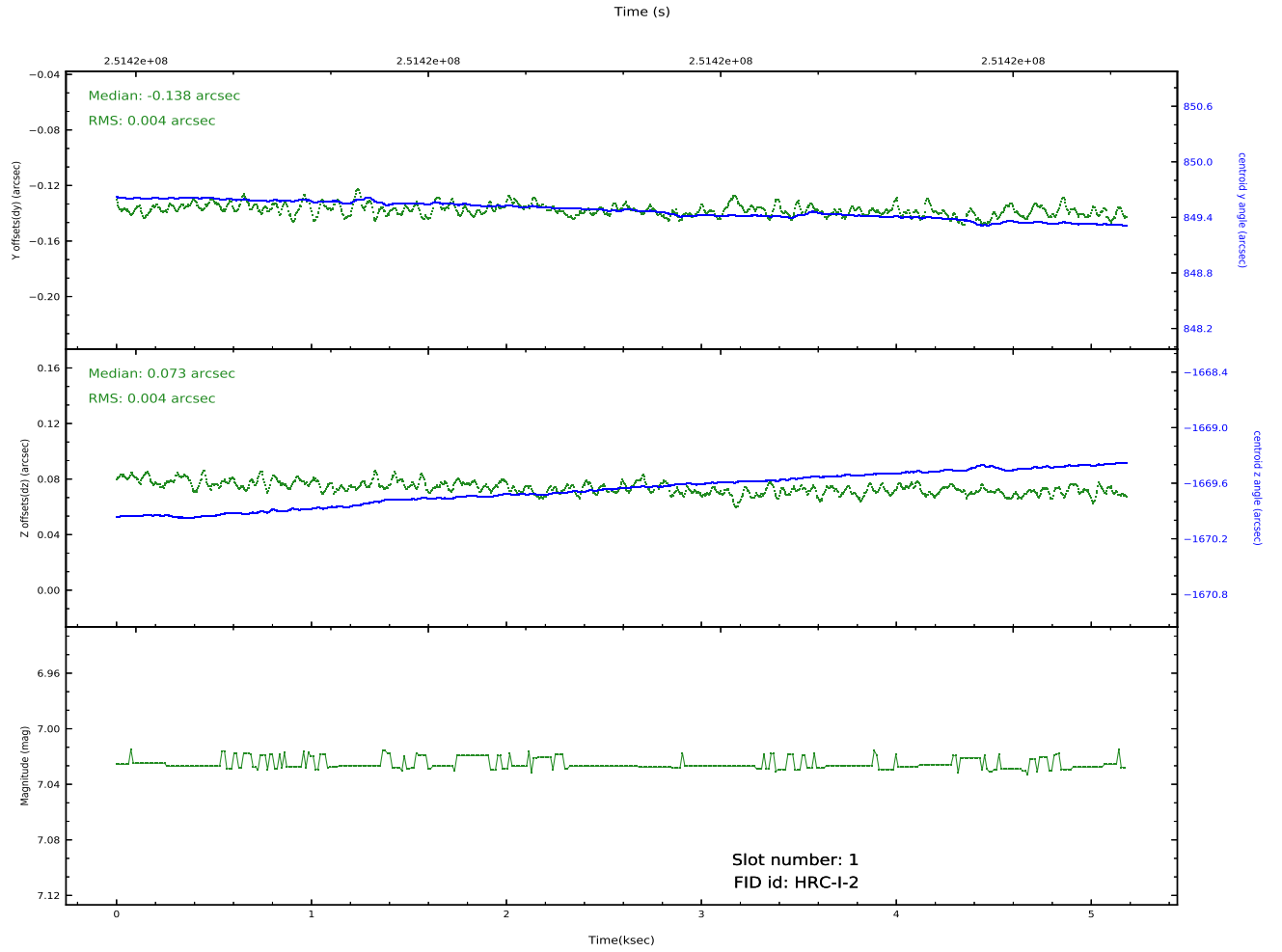
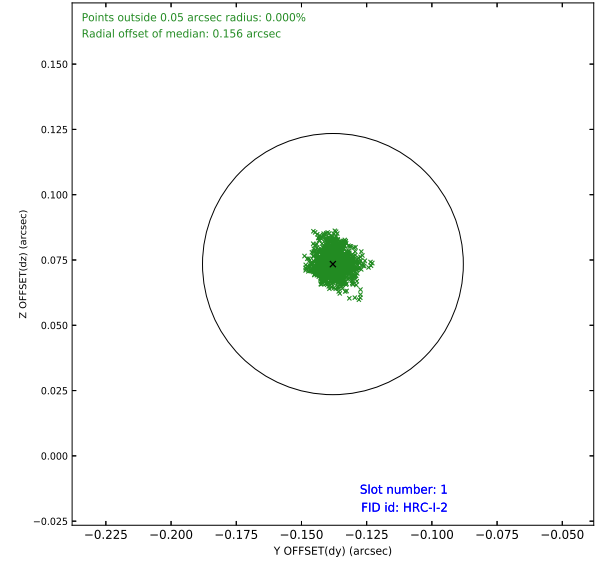
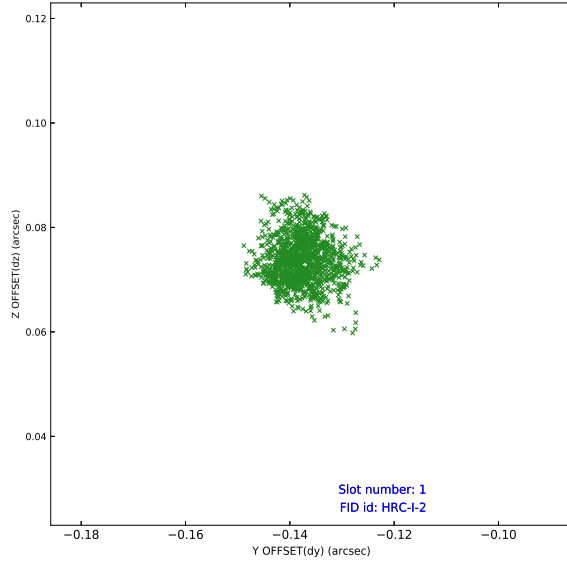


2.5 FID Slots

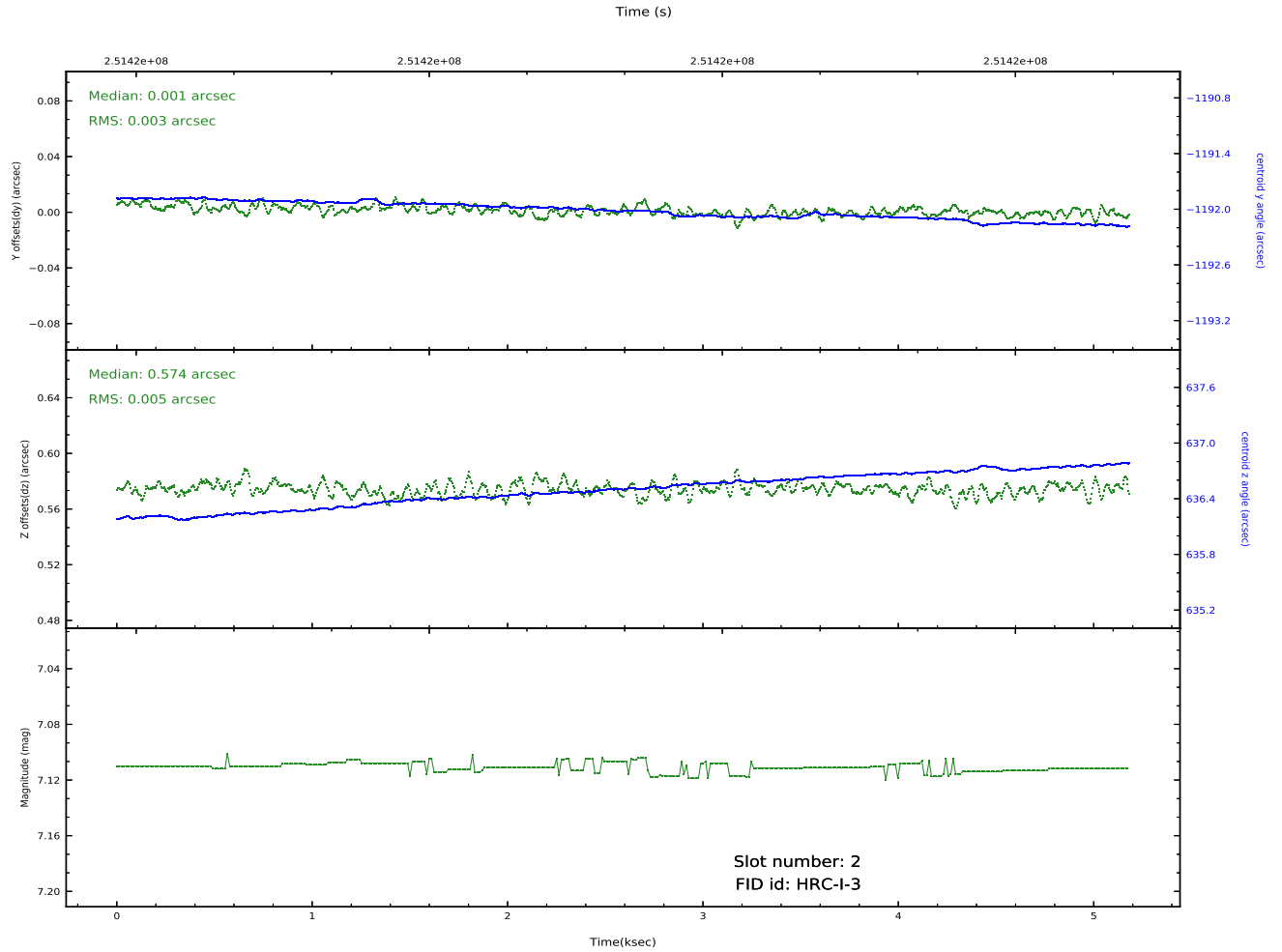
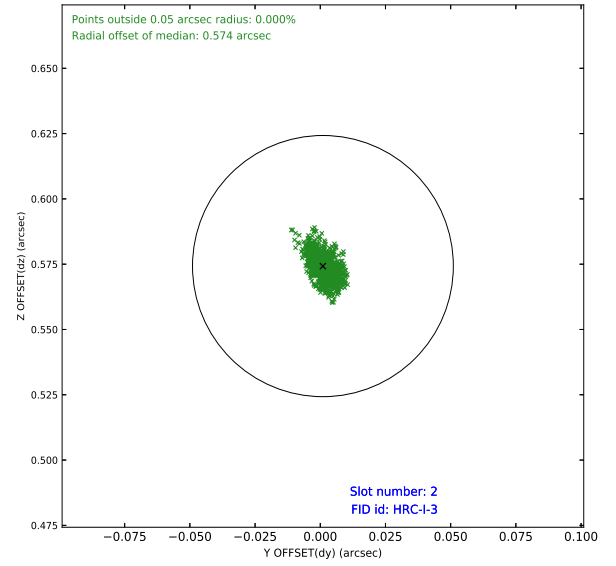
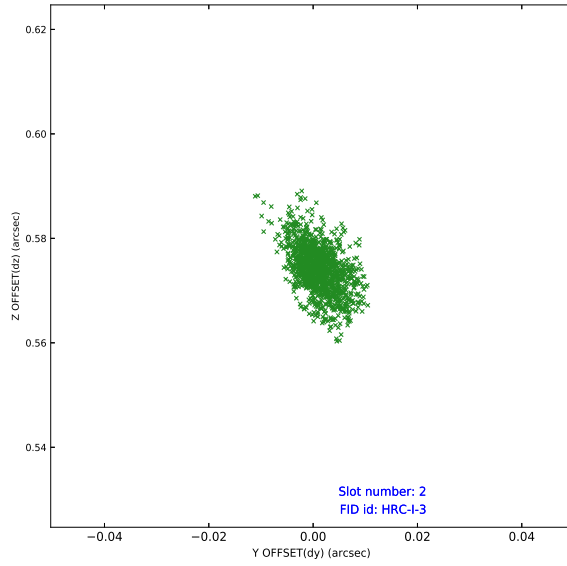
2.5.1 Slot 0



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	5.185475

A.2 Comments