

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5050 - L2 Version 5
Chandra X-Ray Center

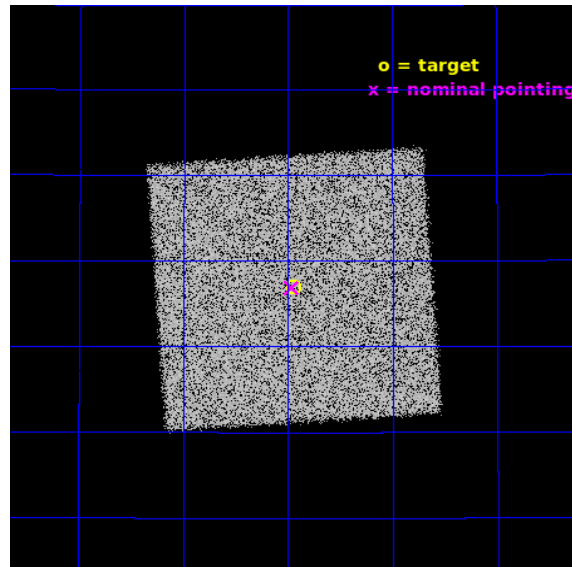
L2 Processing Date : Sep 22 2020

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1 Front

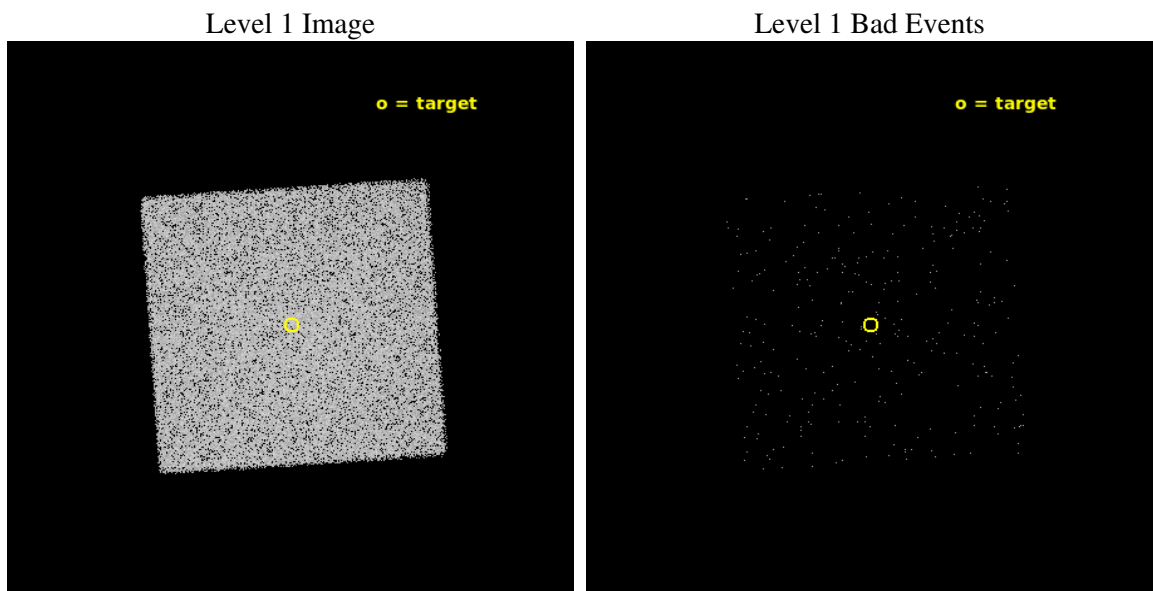
seq_num	290323	Sequence number
obs_id	5050	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.24082063726	Nominal RA [deg]
dec_nom	38.781438646462	Nominal Dec [deg]
roll_nom	41.102555991629	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2083.8250910938	[s]
livetime	2071.4166397958	Ontime multiplied by DTCOR
l2events	75470	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2083.8250910938	[s]
caldbver	4.9.2	 	l1events	172299	Number of level 1 events
date	2020-09-23T02:27:14	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

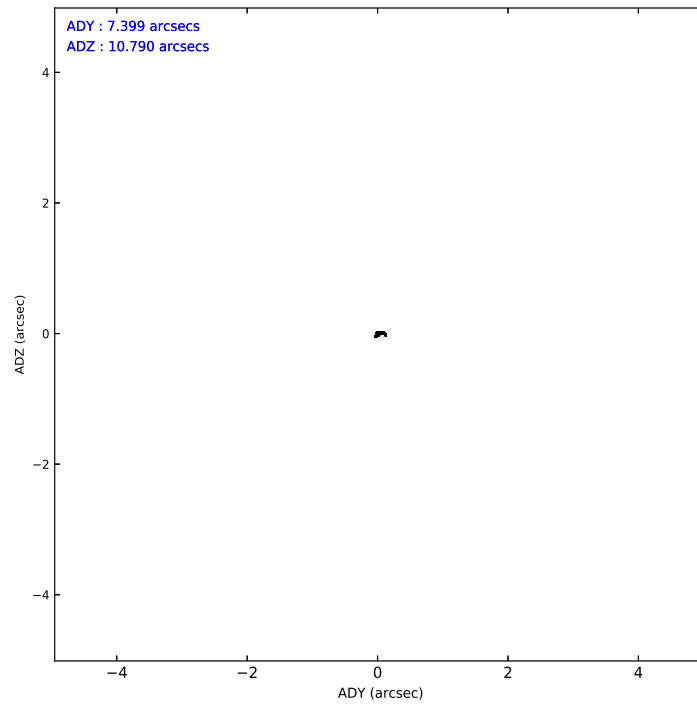
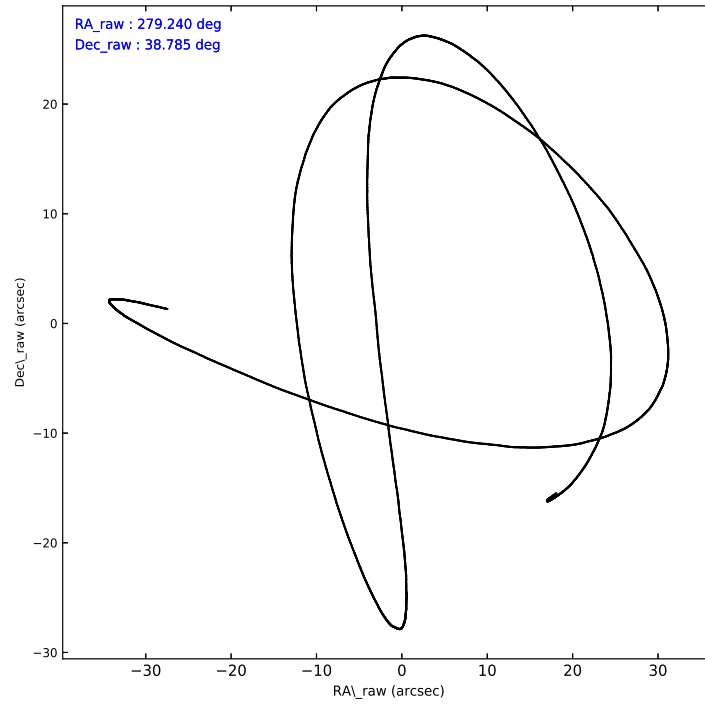
	segment 0
level 1 events	172299
rejected events	64656
rejected %	37%

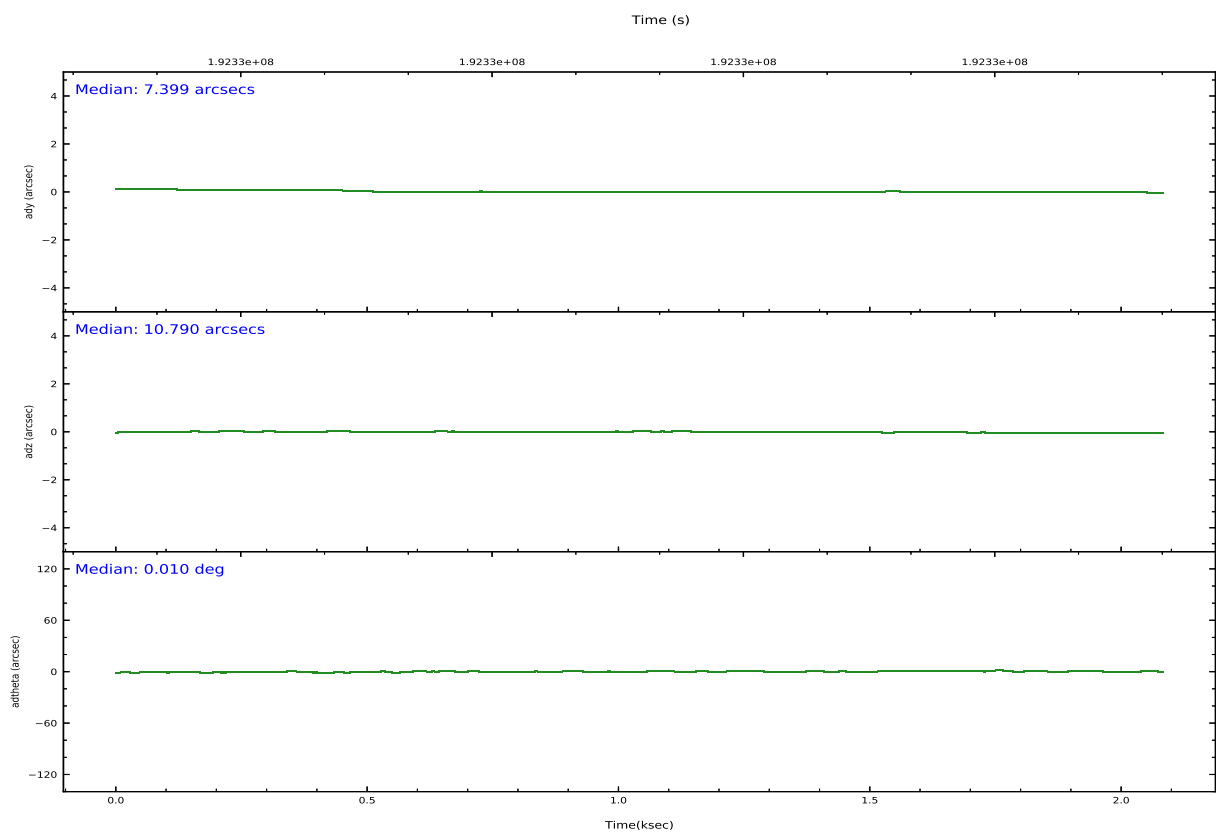
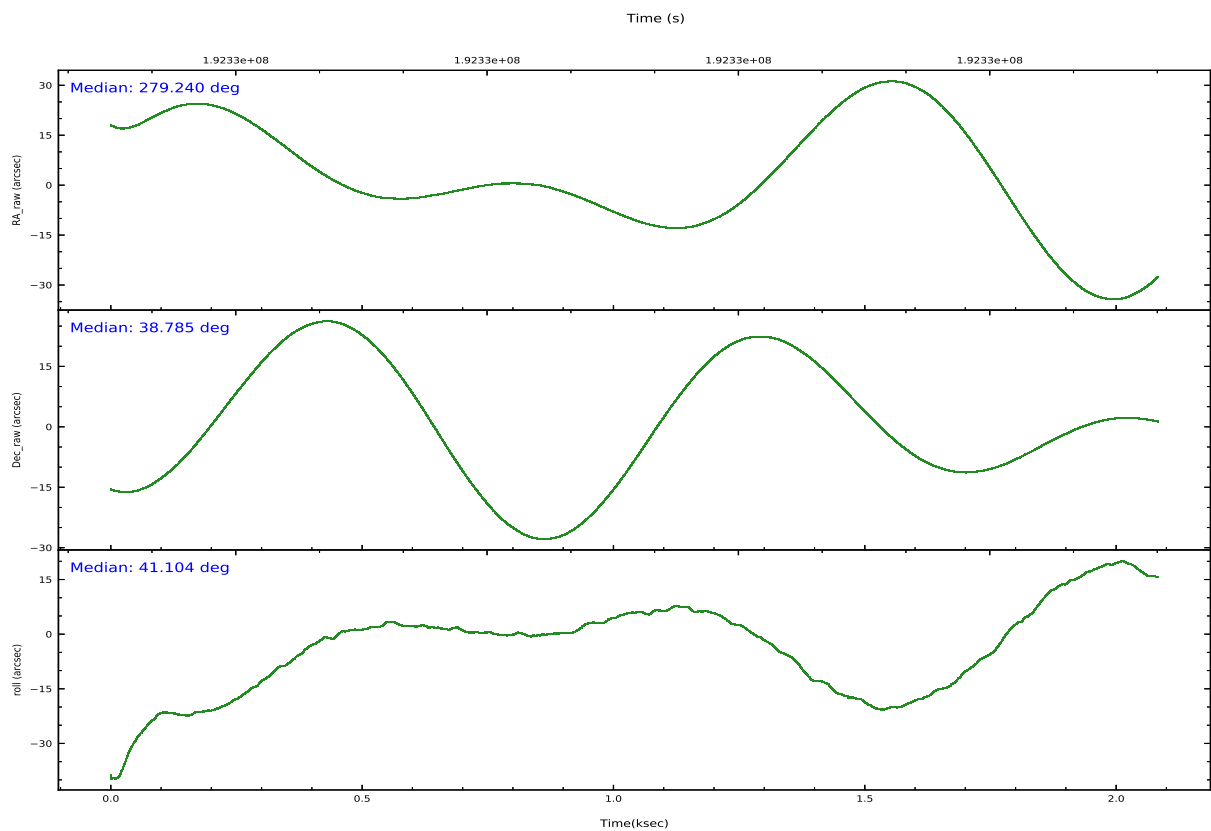
2.2 Compared Parameters

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	279.229591	279.24082063726
[deg] Pointing Dec	38.759245	38.781438646462
[deg] Pointing Roll	41.218246	41.102555991629
[s] Window start time (MET)	191980864.184000	191980864.184000
[s] Window stop time (MET)	197078464.184000	197078464.184000
[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)	192332836.184000	192331570.00504
Observation start date	2004-02-05T01:46:12	2004-02-05T01:26:10
[s] Observation end time (MET)	192334836.184000	192334971.98019
Observation end date	2004-02-05T02:19:32	2004-02-05T02:22:51

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

2.3 Aspect



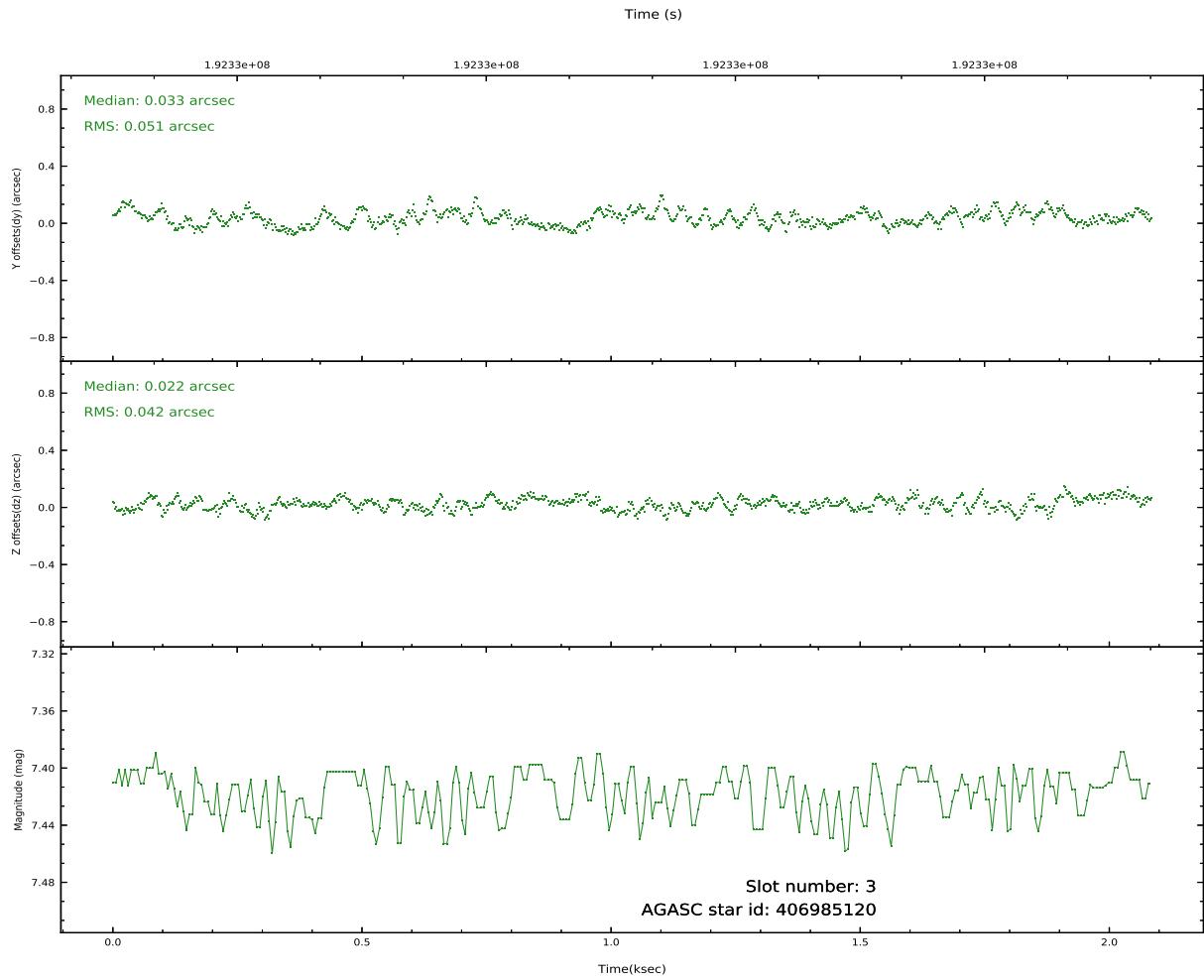
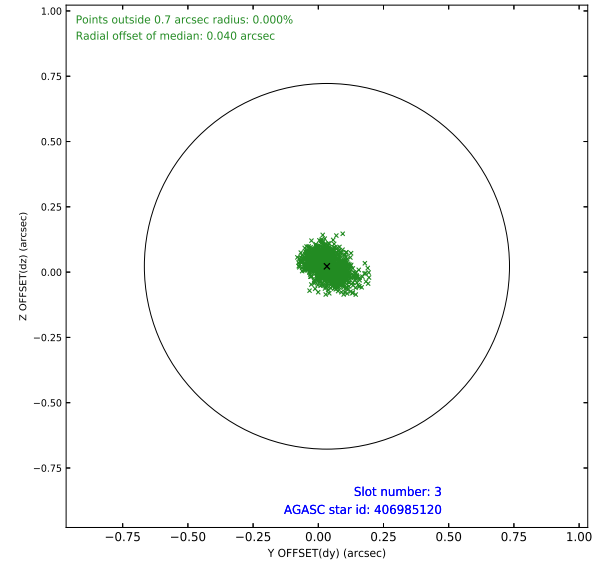
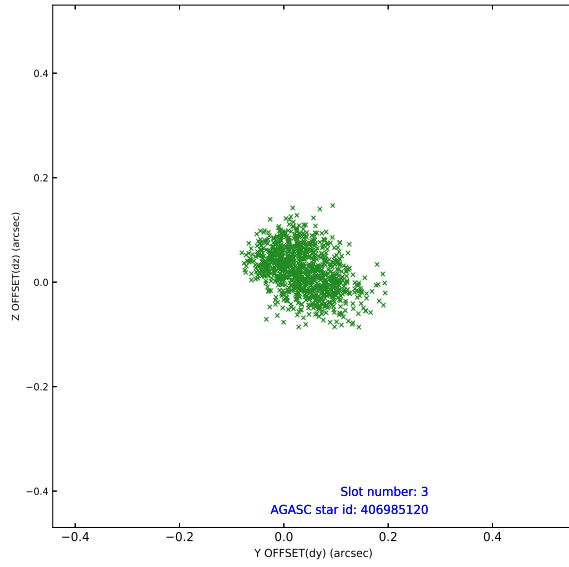


Slot Statistics

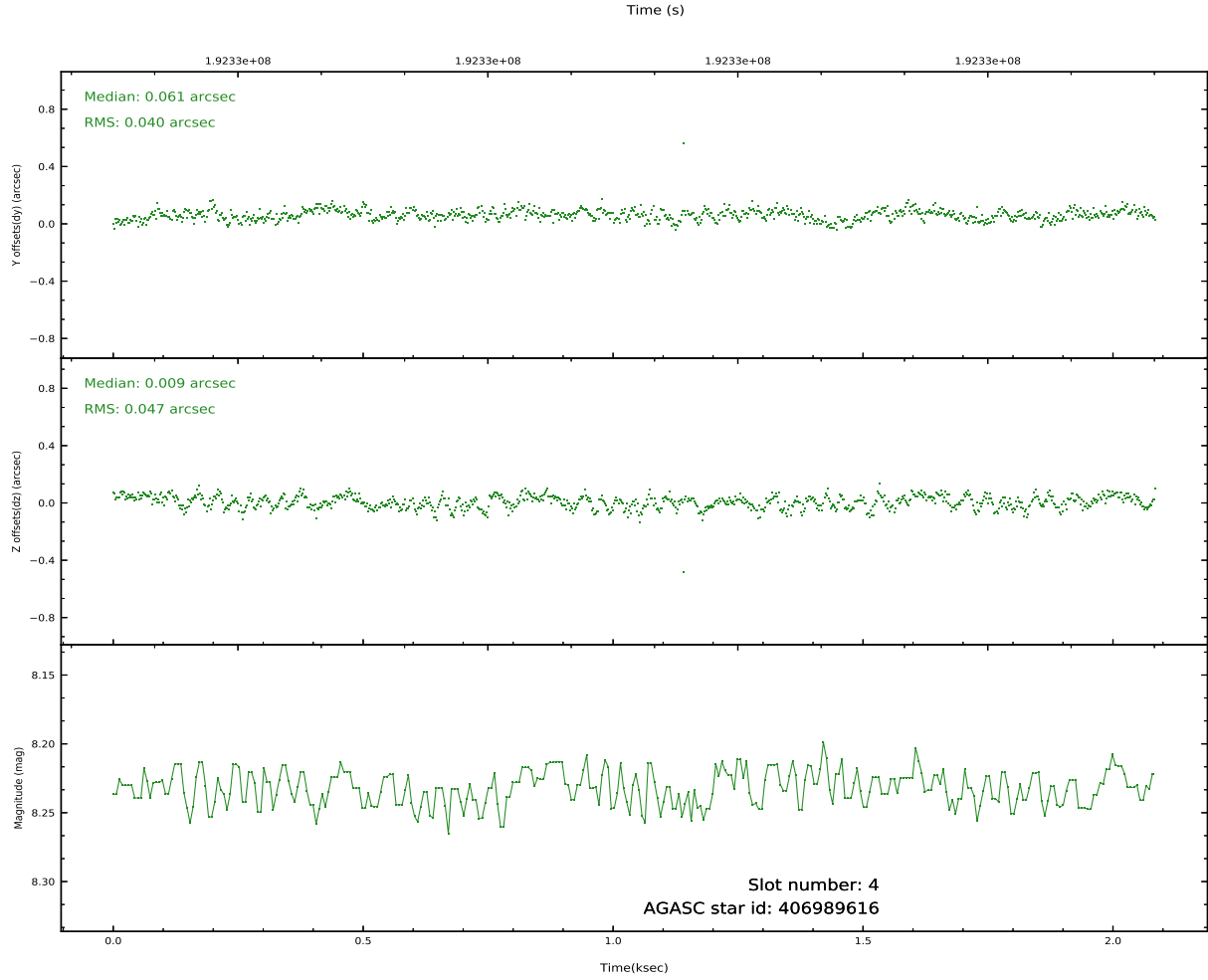
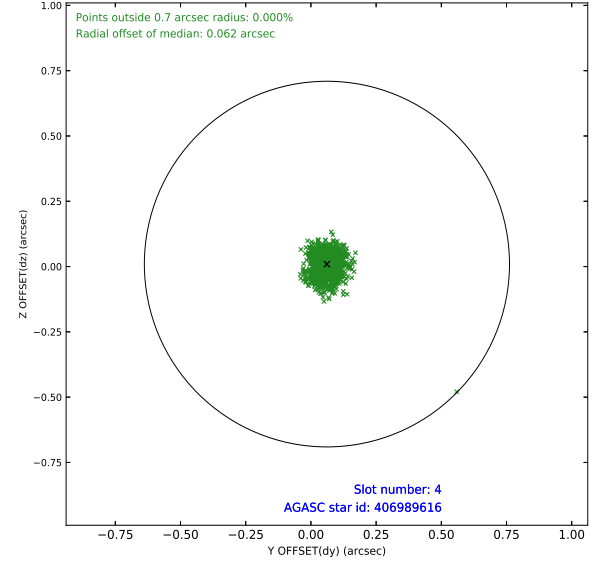
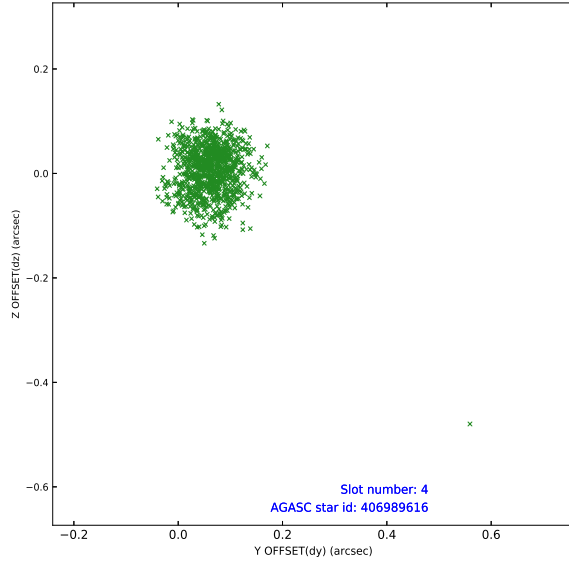
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	509	1.000	-0.062	-0.083	0.006	0.010	0.000000	0.000000	-763.11	-1298
1	FID		HRC-I-2	7.04	509	1.000	0.093	-0.043	0.007	0.011	0.000000	0.000000	848.17	-1302
2	FID		HRC-I-4	7.03	509	1.000	0.085	0.035	0.005	0.010	0.000000	0.000000	1281.56	1000
3	GUIDE	used	406985120	7.42	1018	1.000	0.033	0.022	0.071	0.110	278.839732	38.894839	-499.02	1088
4	GUIDE	used	406989616	8.23	1018	1.000	0.061	0.009	0.062	0.097	279.202881	38.520843	-623.03	-594
5	GUIDE	used	406990192	8.99	1018	1.000	-0.018	-0.049	0.081	0.155	278.510952	38.533654	-2053.34	728
6	GUIDE	used	406993992	7.62	1018	1.000	-0.069	0.012	0.058	0.091	279.053714	38.034587	-2096.26	-1632
7	GUIDE	used	406983600	8.93	1017	1.000	-0.012	0.015	0.075	0.126	279.940957	39.020708	2119.43	-598

2.4 Star Slots

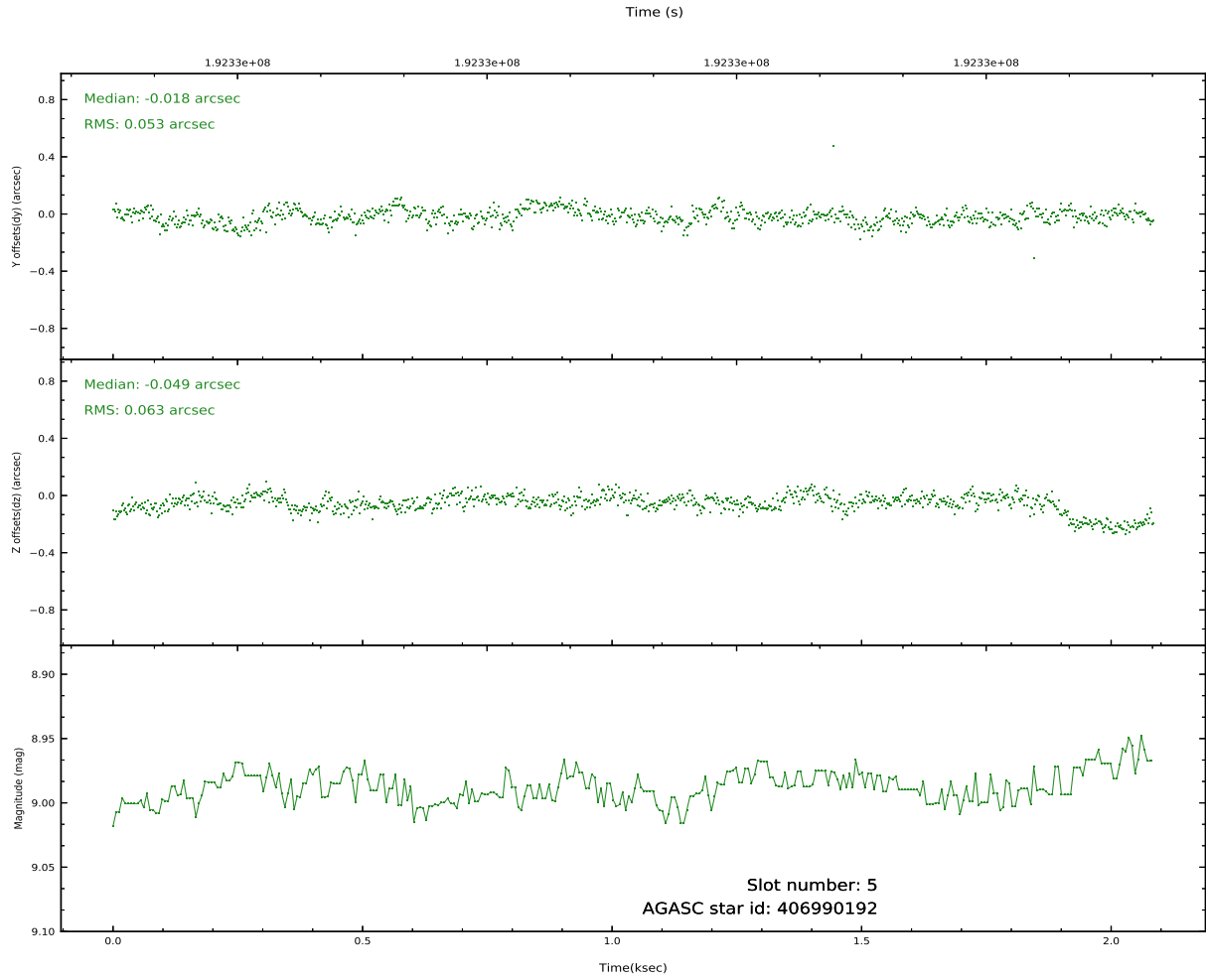
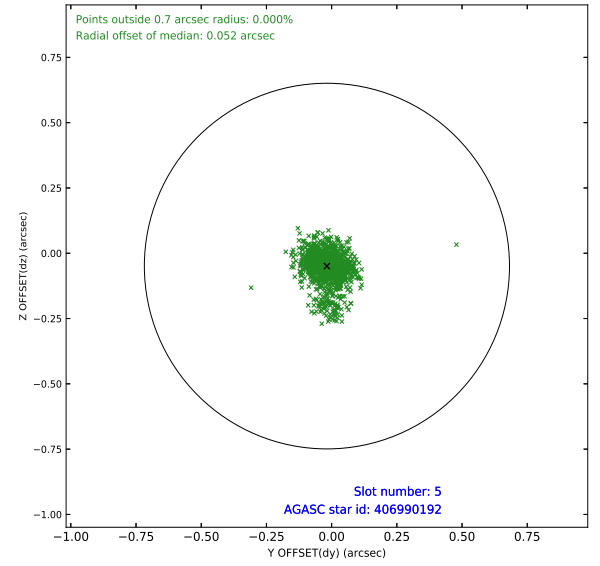
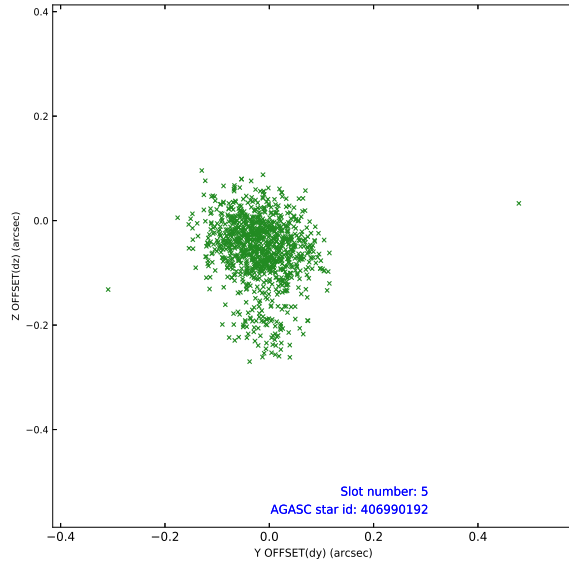
2.4.1 Slot 3



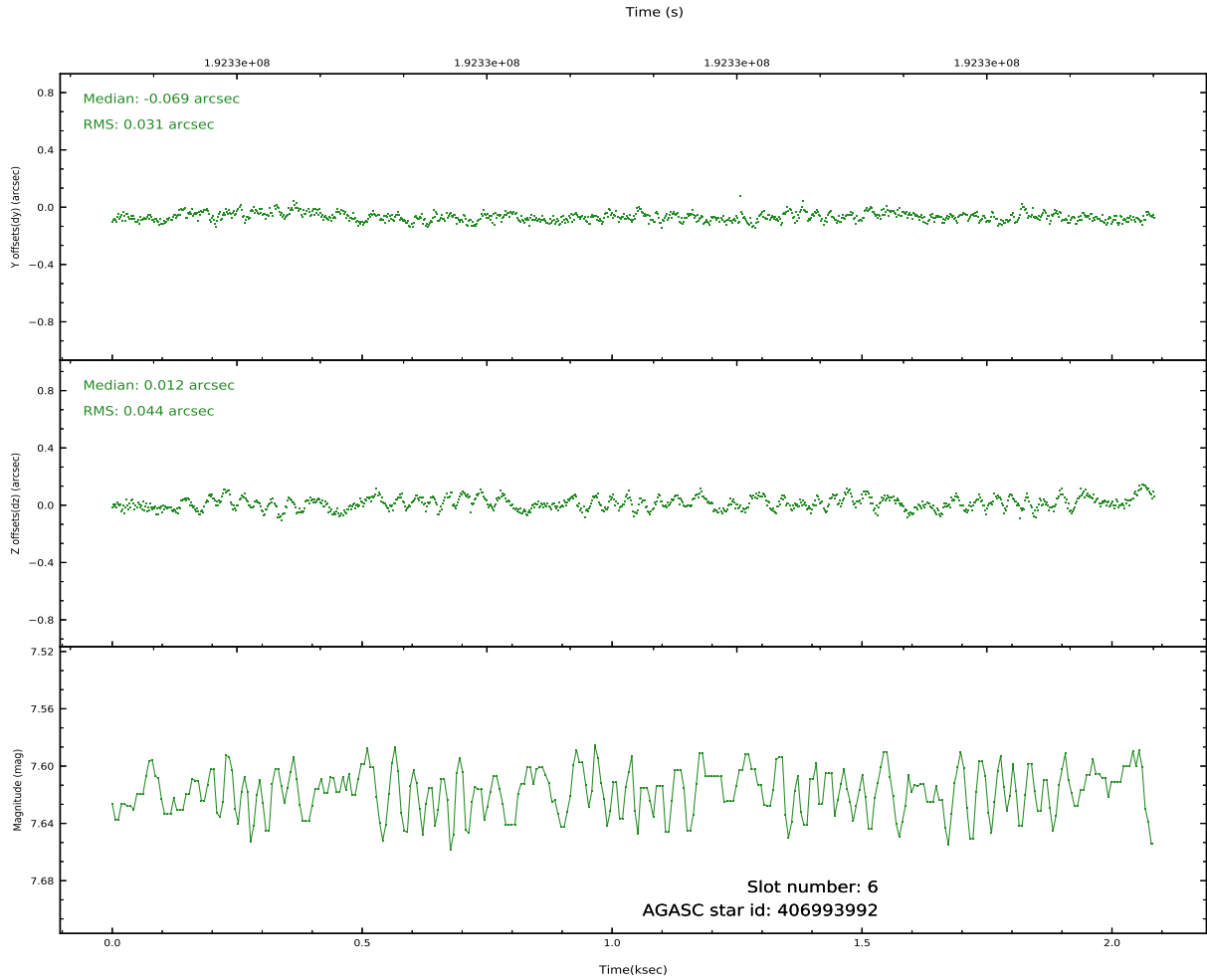
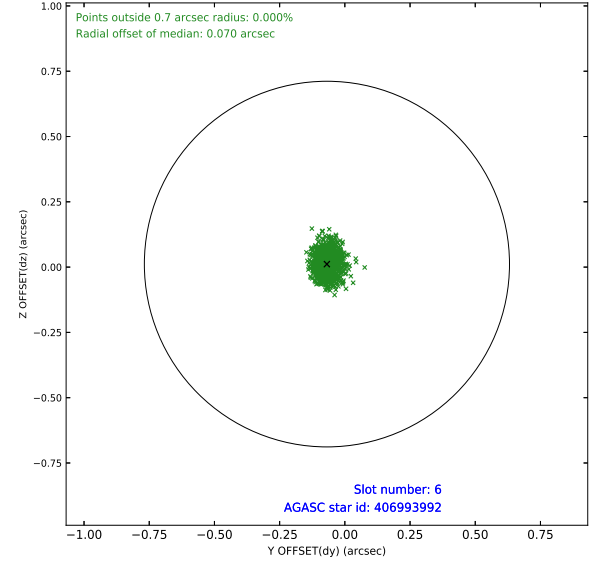
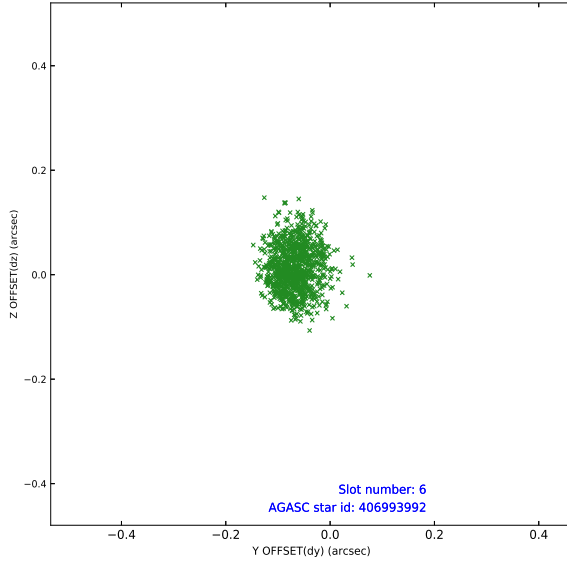
2.4.2 Slot 4



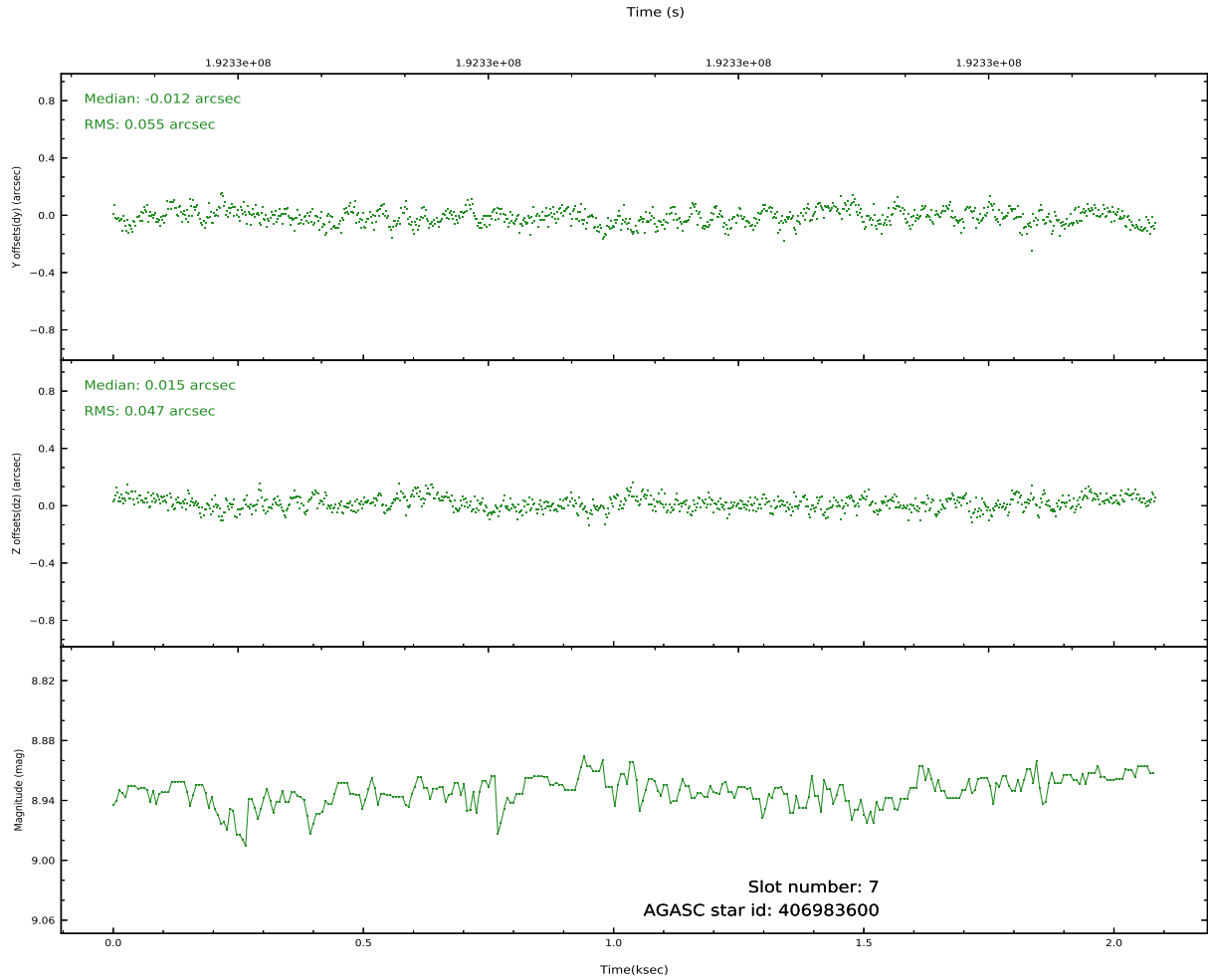
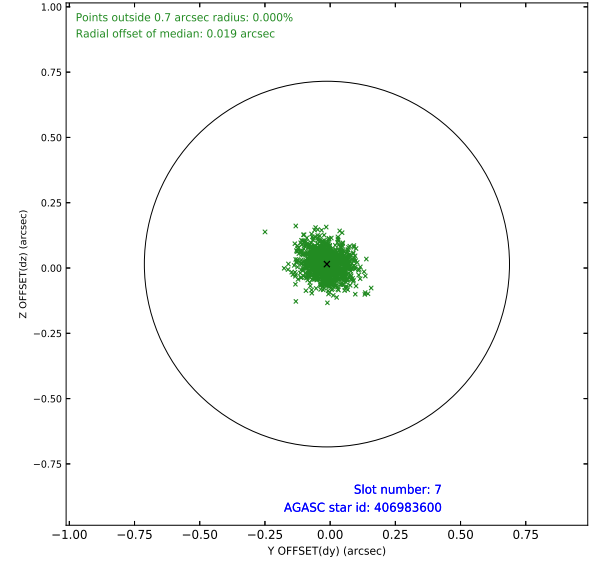
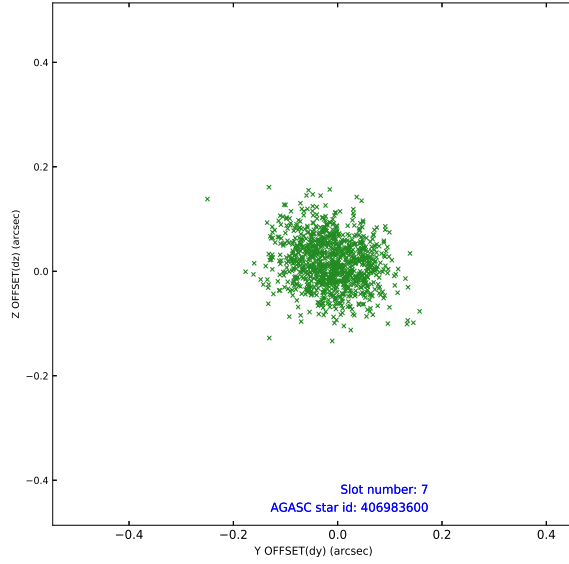
2.4.3 Slot 5



2.4.4 Slot 6

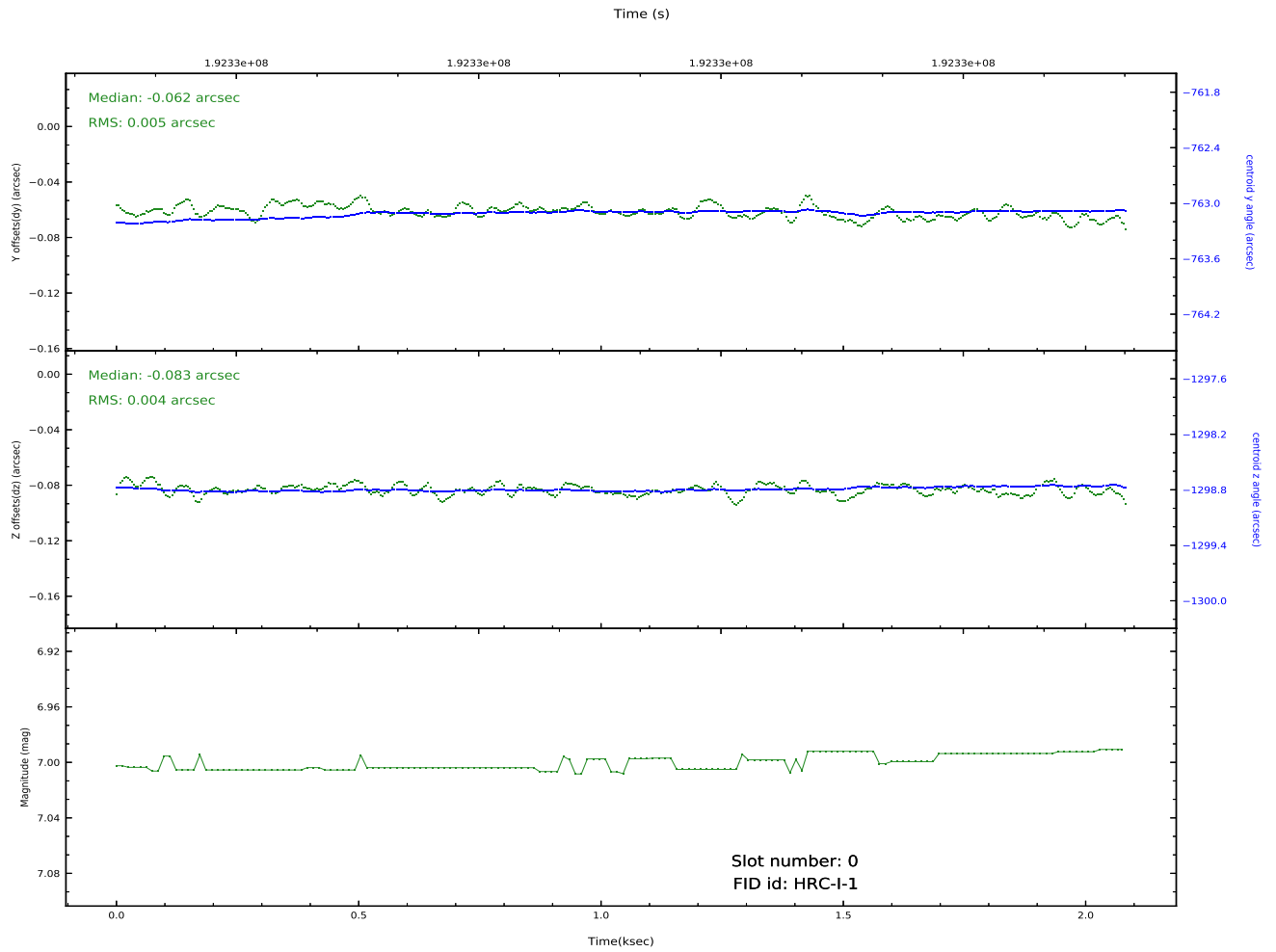
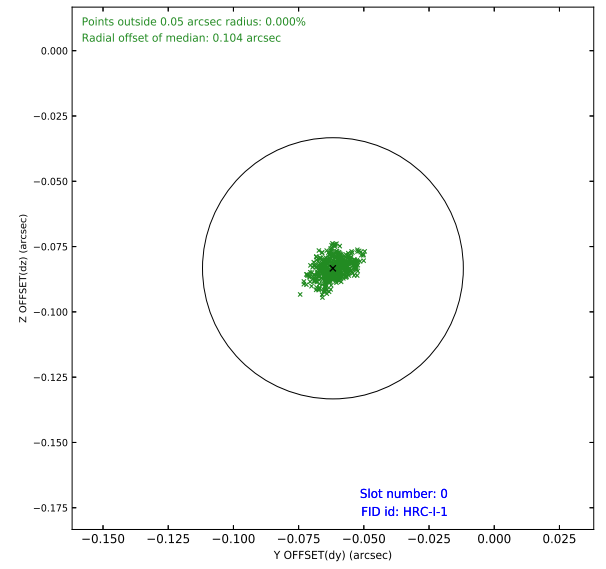
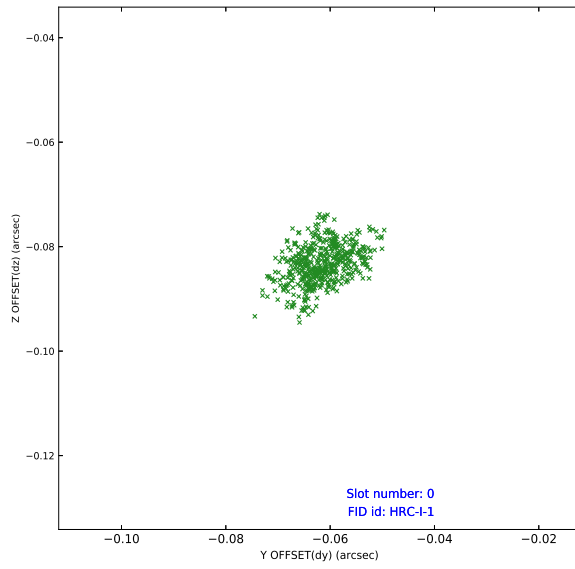


2.4.5 Slot 7

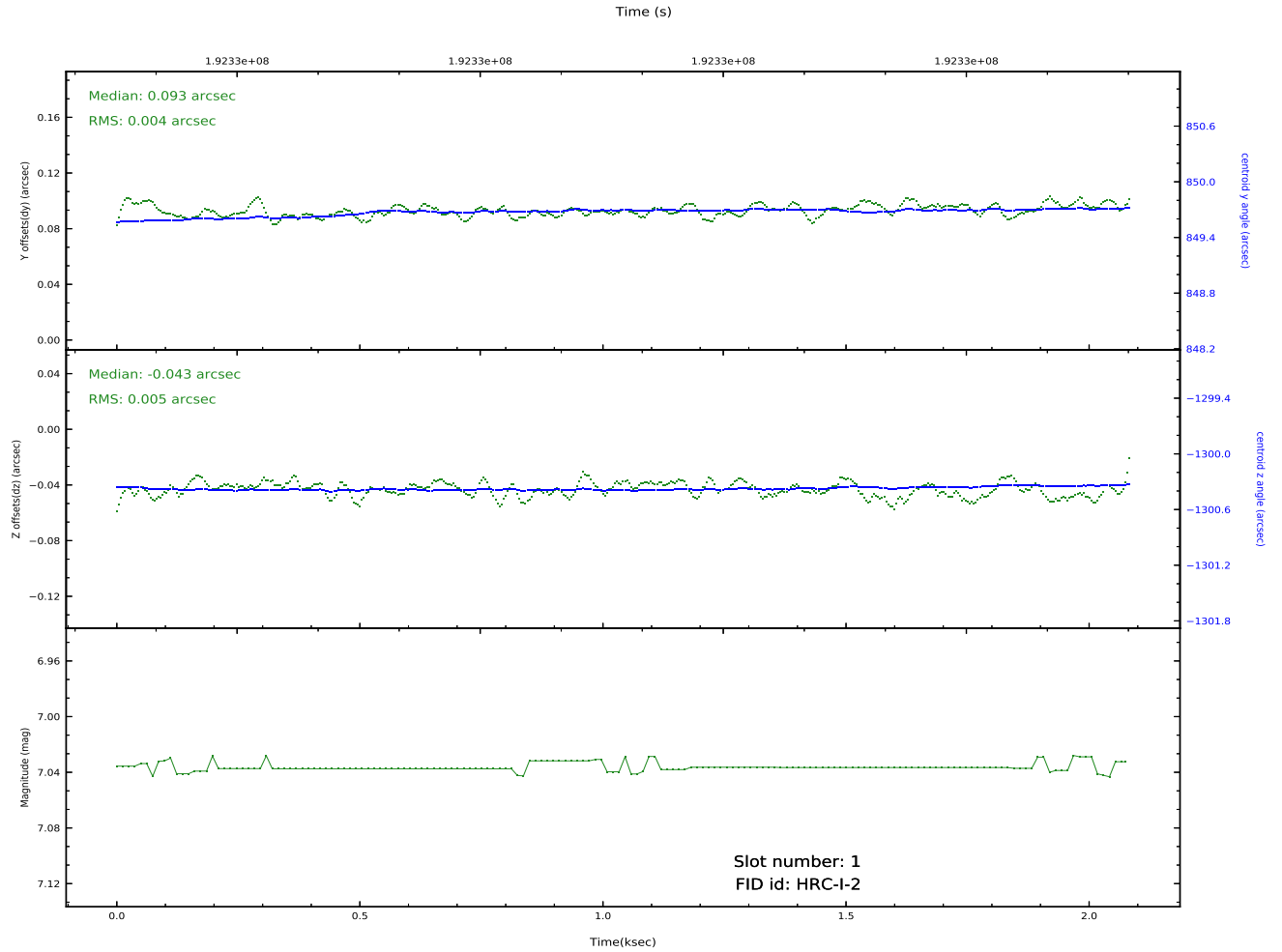
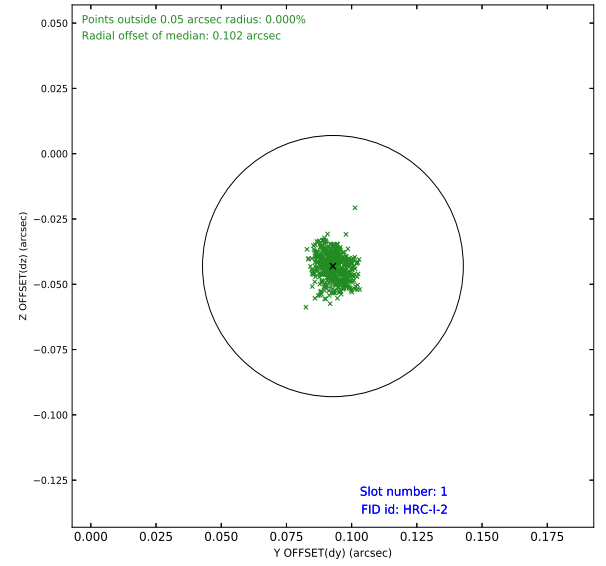
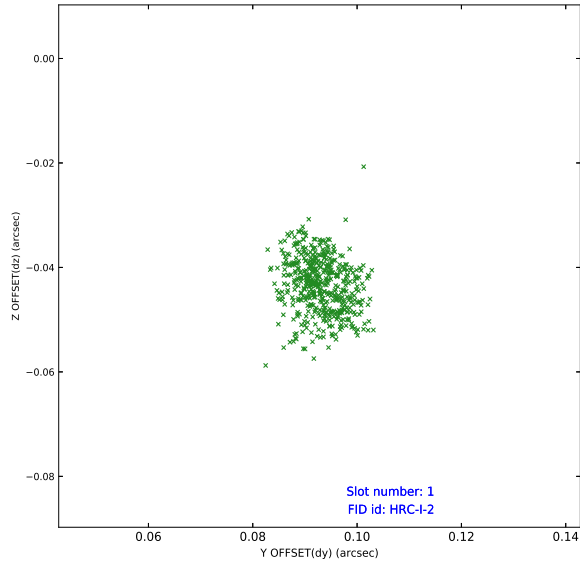


2.5 FID Slots

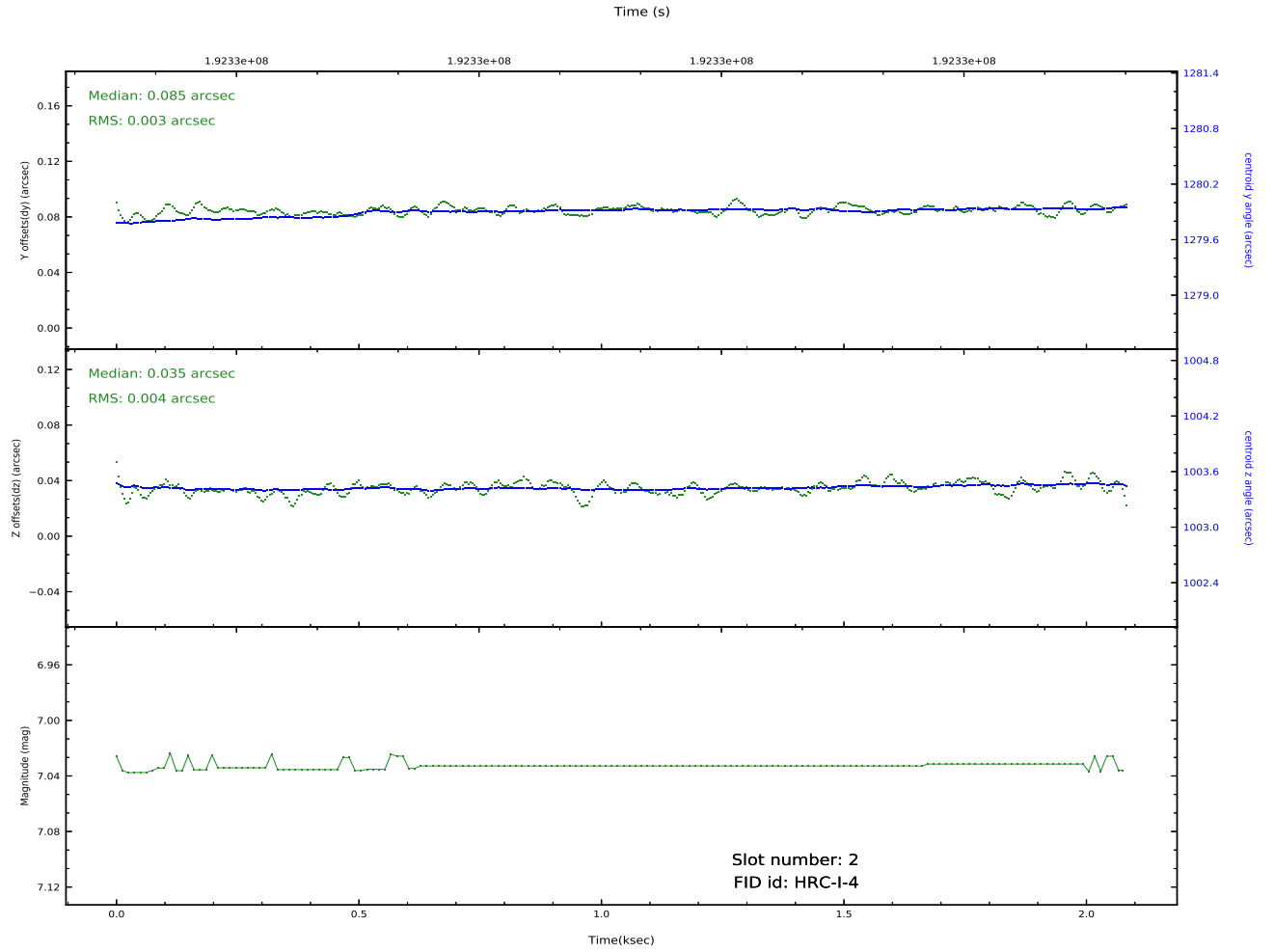
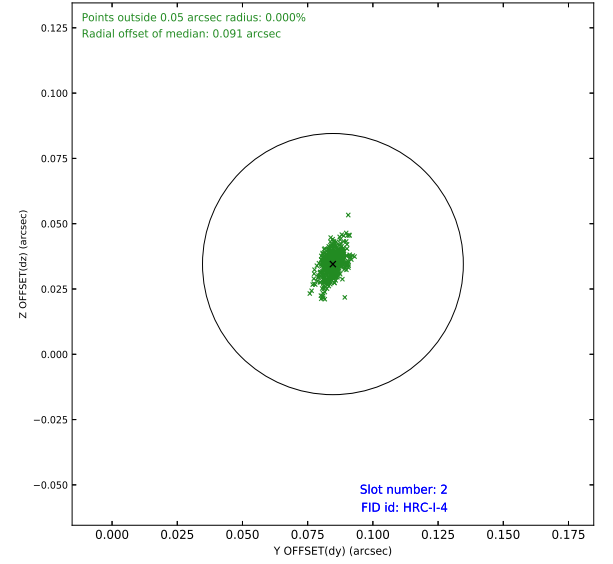
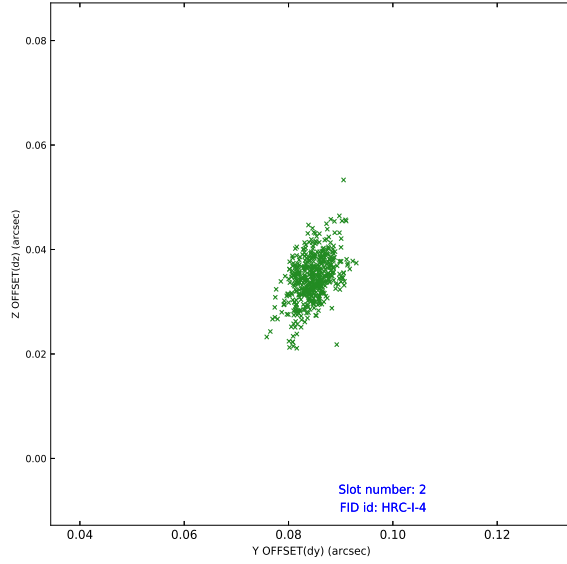
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.084

A.2 Comments

Window constraint met.