

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5342 - L2 Version 5
Chandra X-Ray Center

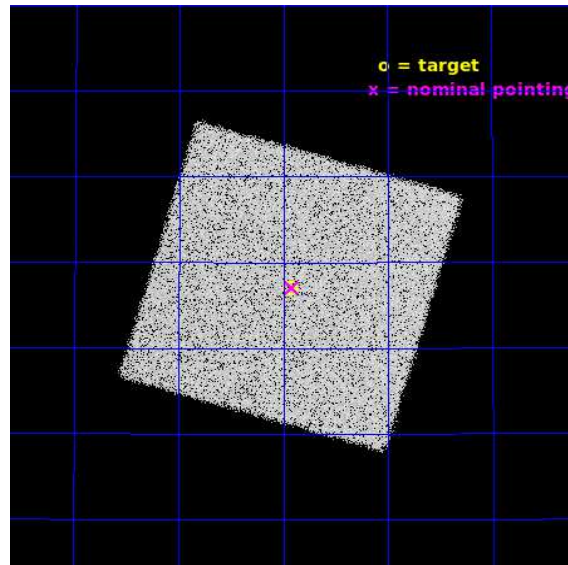
L2 Processing Date : Sep 29 2020

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1 Front

seq_num	290439	Sequence number
obs_id	5342	Observation id
title	Monitoring the health of the HRC UV Ion shield	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	279.22959437649	Nominal RA [deg]
dec_nom	38.784461079618	Nominal Dec [deg]
roll_nom	241.36470463019	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3160.3313908577	[s]
livetime	3139.3230326723	Ontime multiplied by DTCOR
l2events	108947	Number of level 2 events

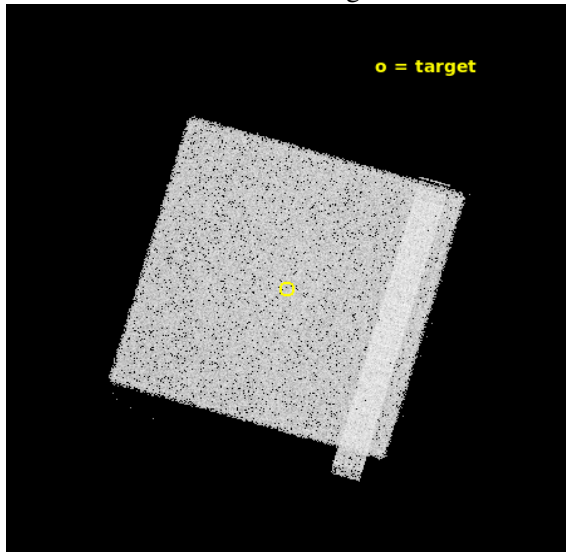


2 OBI

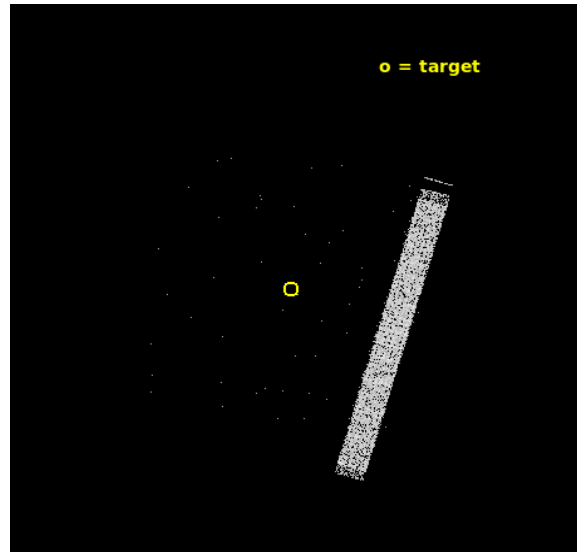
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3160.3313908577	[s]
caldsver	4.9.2	 	l1events	233534	Number of level 1 events
date	2020-09-29T11:33:56	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

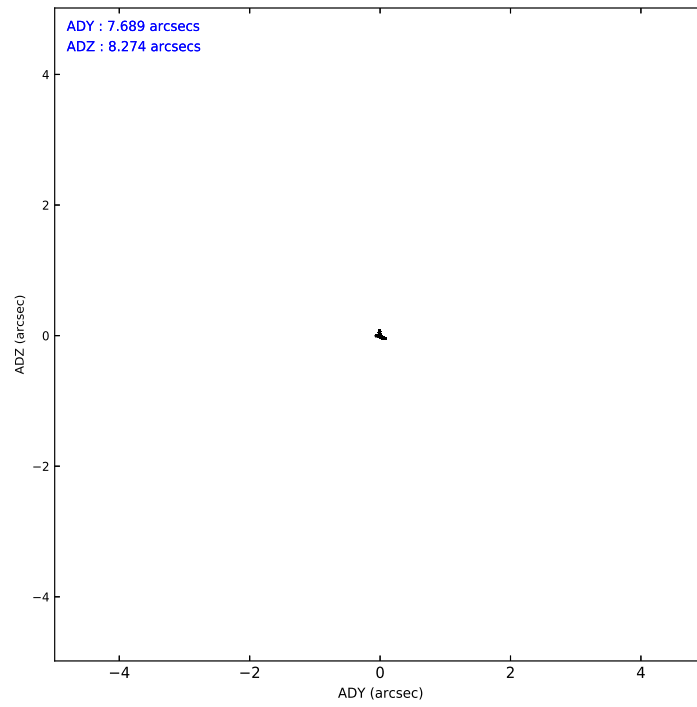
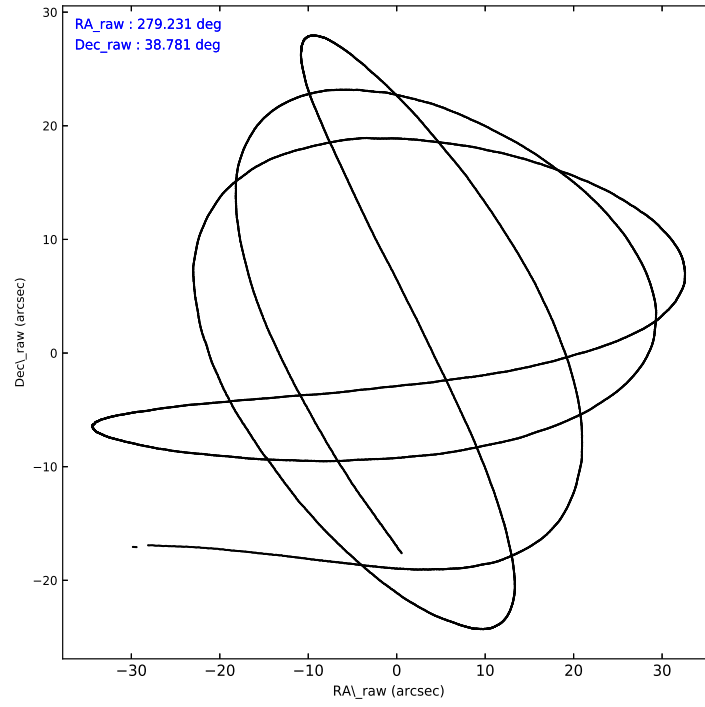
	segment 0
level 1 events	233534
rejected events	70599
rejected %	30%

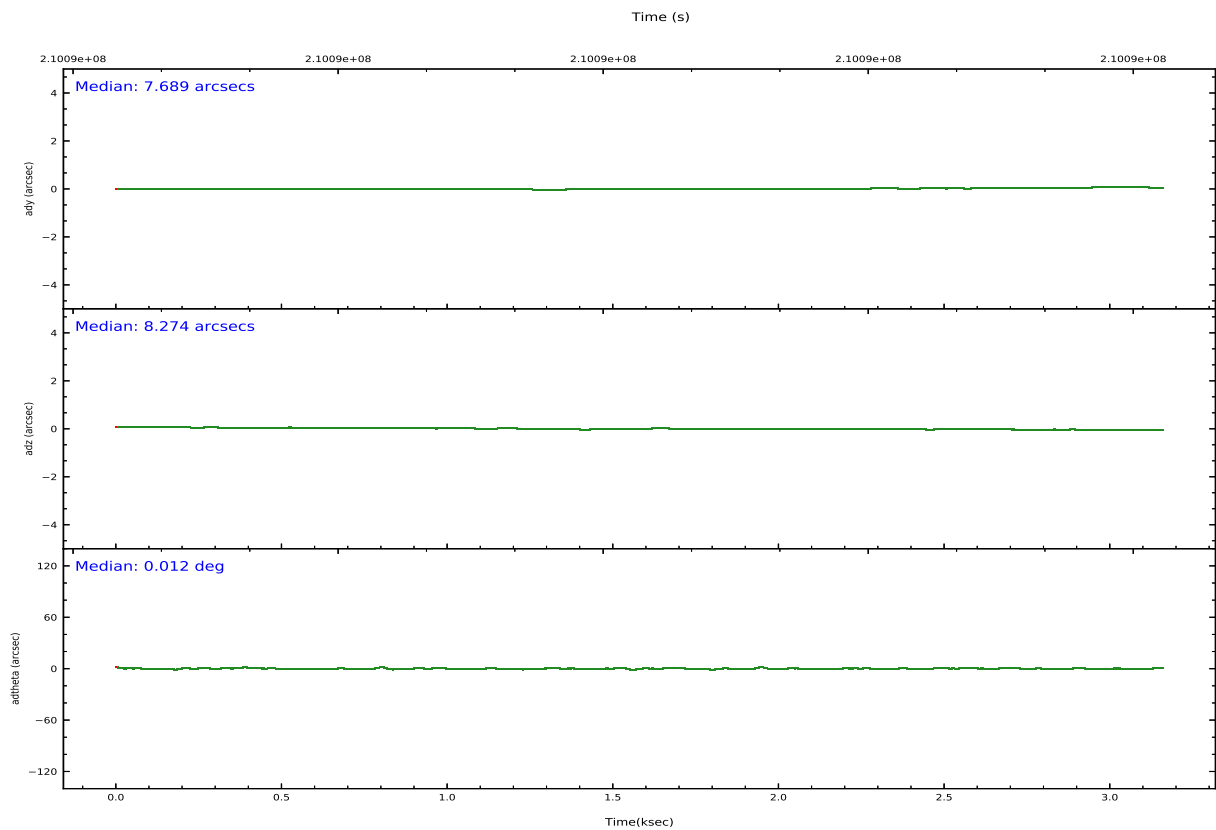
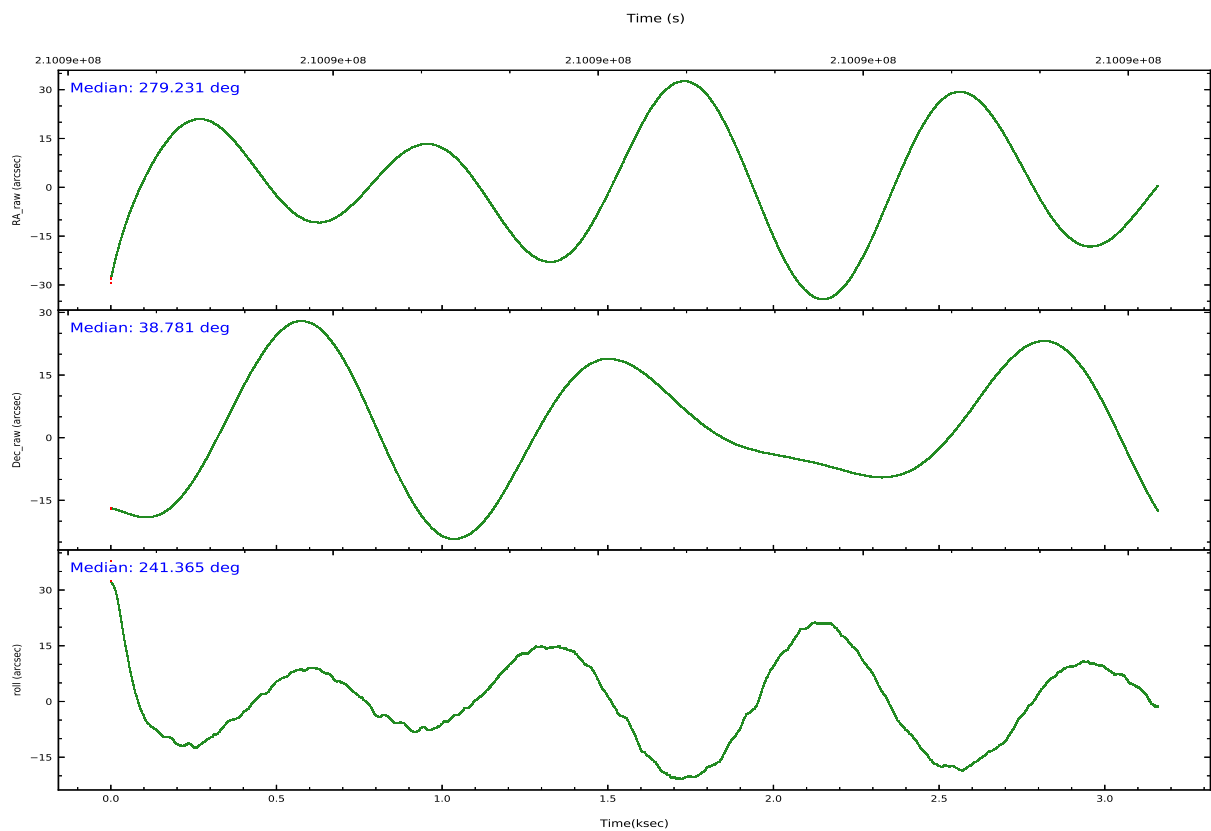
2.2 Compared Parameters

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	279.229185	279.22959437649
[deg] Pointing Dec	38.808254	38.784461079618
[deg] Pointing Roll	241.479186	241.36470463019
[s] Window start time (MET)	207705664.184000	207705664.184000
[s] Window stop time (MET)	210384004.184000	210384004.184000
[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)	210089891.184000	210088814.28891
Observation start date	2004-08-28T14:17:07	2004-08-28T14:00:14
[s] Observation end time (MET)	210092891.184000	210093907.51413
Observation end date	2004-08-28T15:07:07	2004-08-28T15:25:07

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

2.3 Aspect



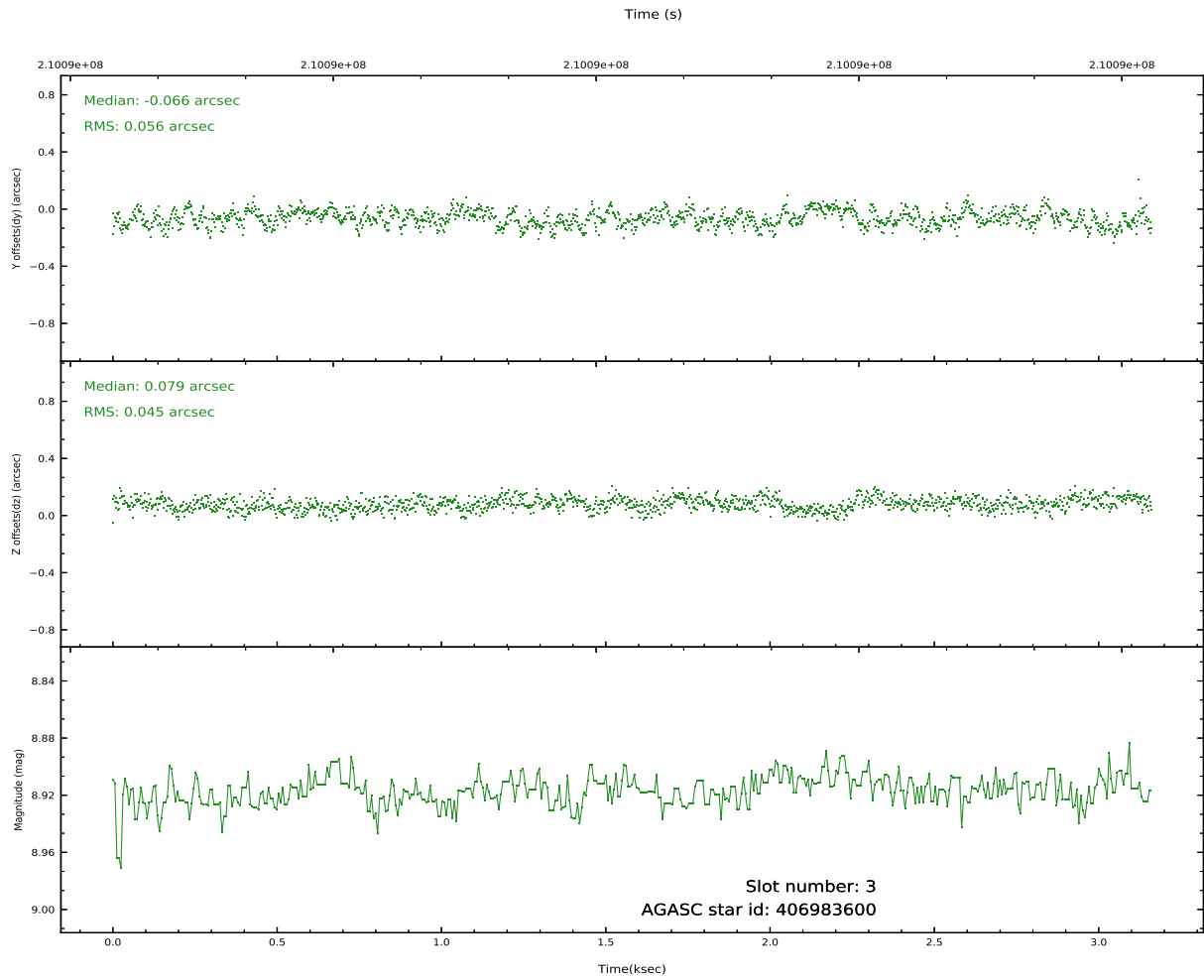
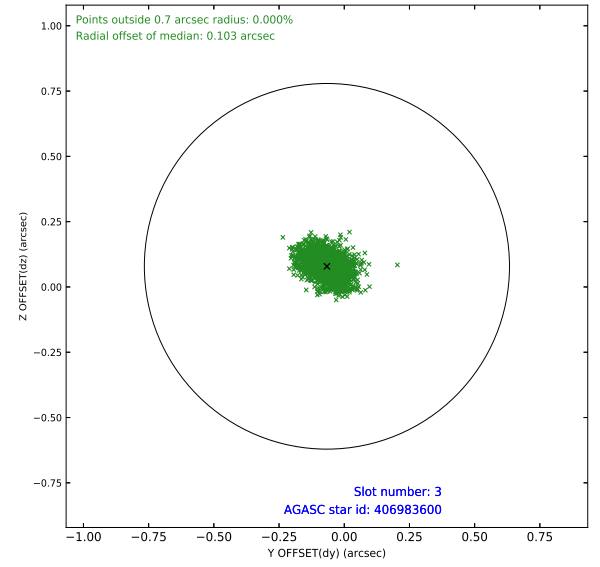
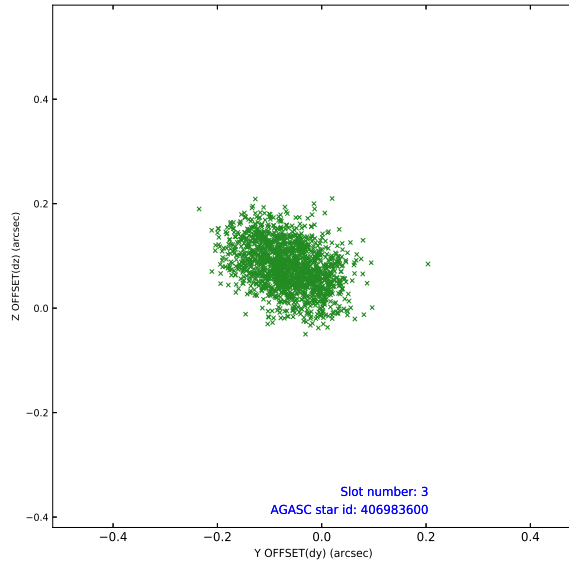


Slot Statistics

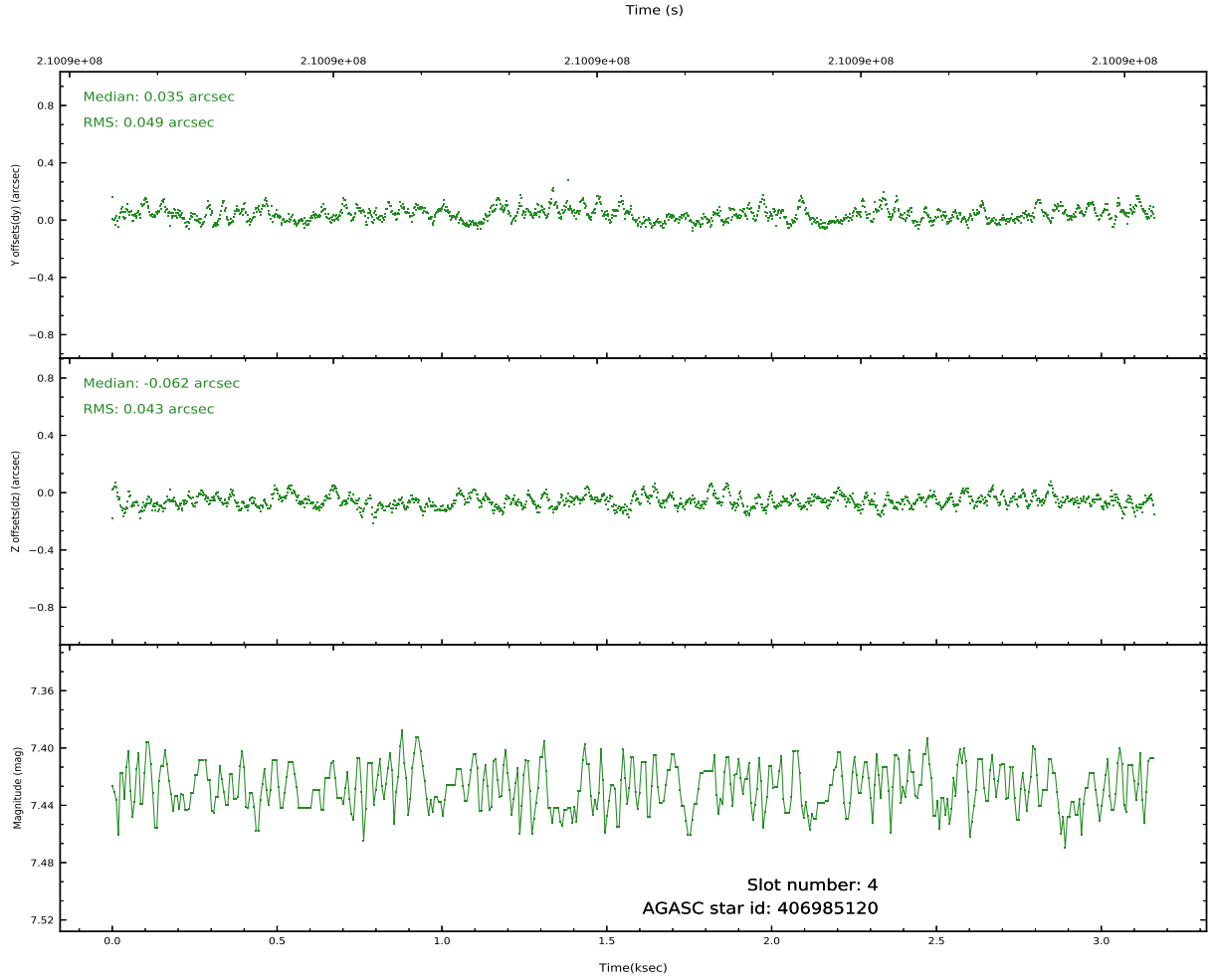
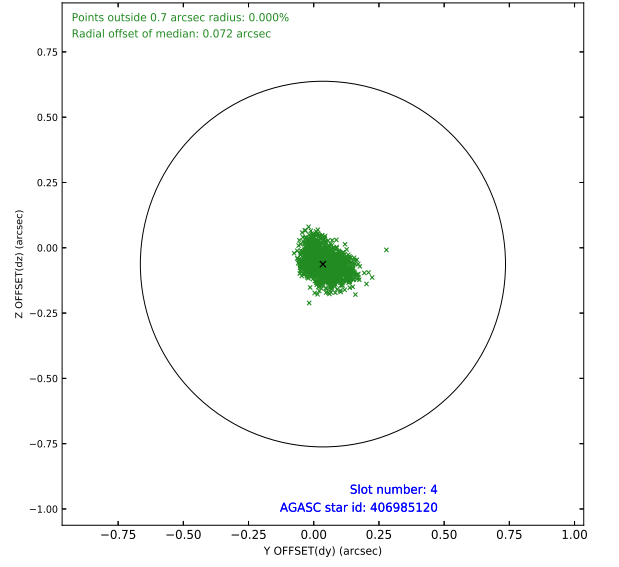
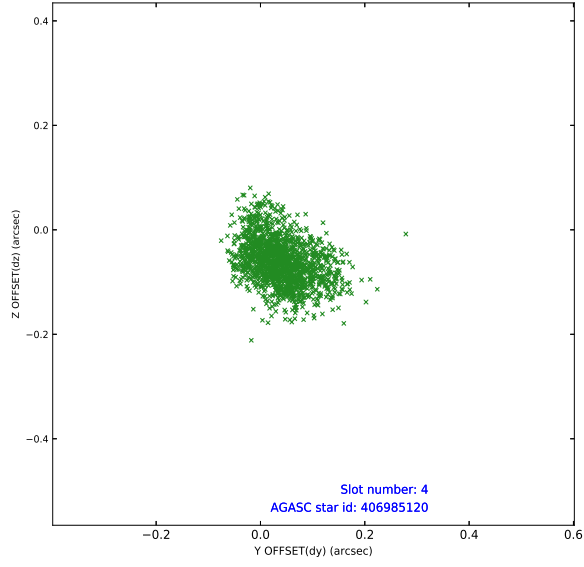
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	772	1.000	-0.043	-0.018	0.006	0.010	0.000000	0.000000	-763.42	-1296
1	FID		HRC-I-2	7.01	772	1.000	0.124	-0.093	0.007	0.013	0.000000	0.000000	848.38	-1299
2	FID		HRC-I-4	7.00	772	1.000	0.036	0.019	0.005	0.010	0.000000	0.000000	1280.69	1004
3	GUIDE	used	406983600	8.92	1543	1.000	-0.066	0.079	0.079	0.124	279.940957	39.020708	-1628.60	1380
4	GUIDE	used	406985120	7.43	1543	1.000	0.035	-0.062	0.070	0.114	278.839732	38.894839	245.07	-1107
5	GUIDE	used	406989616	8.22	1542	1.000	0.047	0.005	0.071	0.112	279.202881	38.520843	945.51	428
6	GUIDE	used	406990192	9.00	1542	1.000	0.168	0.060	0.079	0.133	278.510952	38.533654	1829.16	-1308
7	GUIDE	used	407510432	8.13	1542	1.000	-0.189	-0.088	0.081	0.128	278.762778	39.530640	-1667.51	-2382

2.4 Star Slots

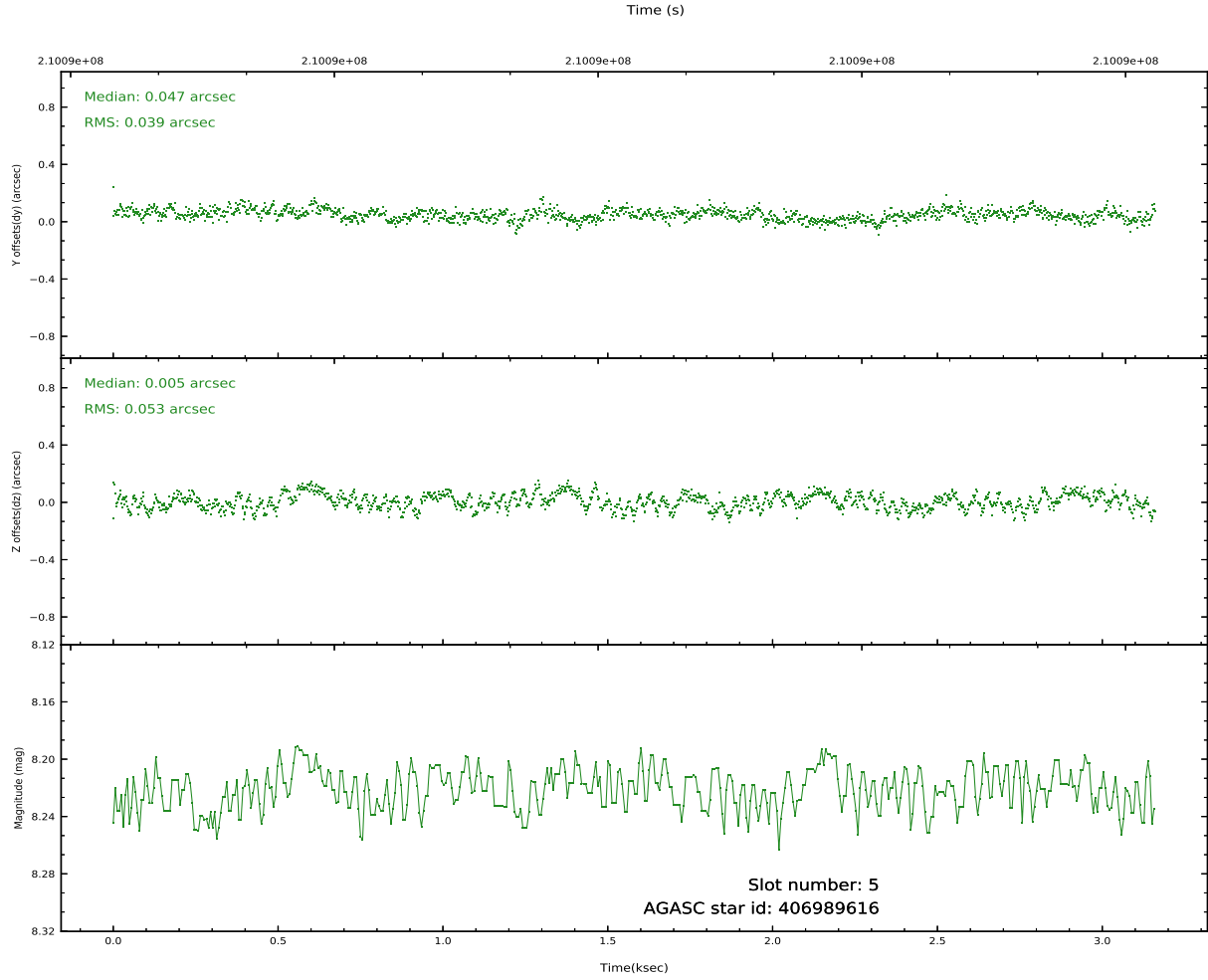
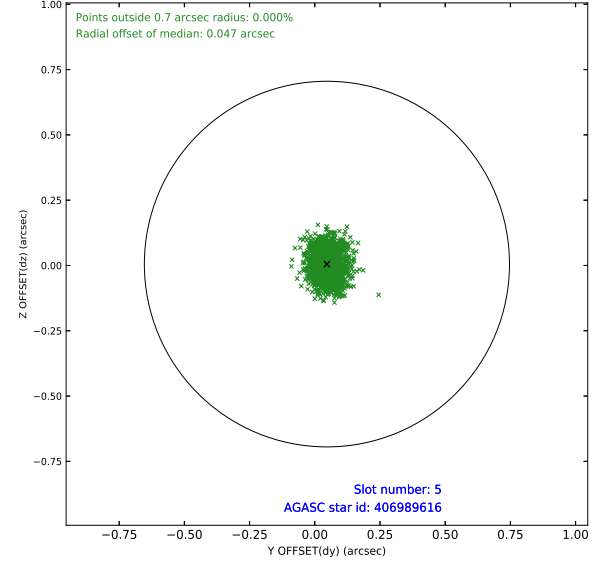
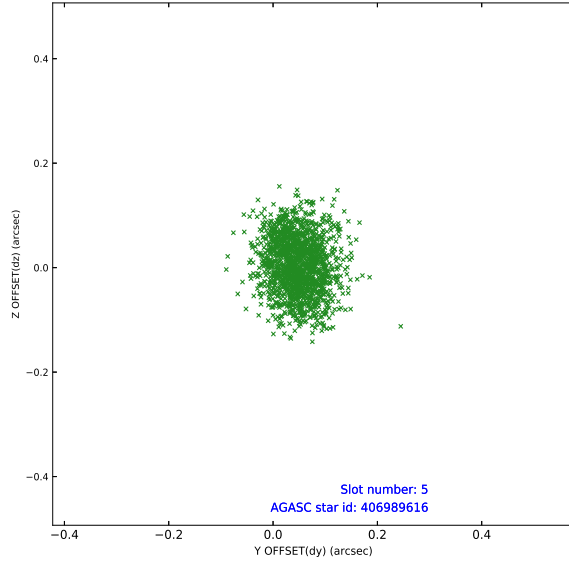
2.4.1 Slot 3



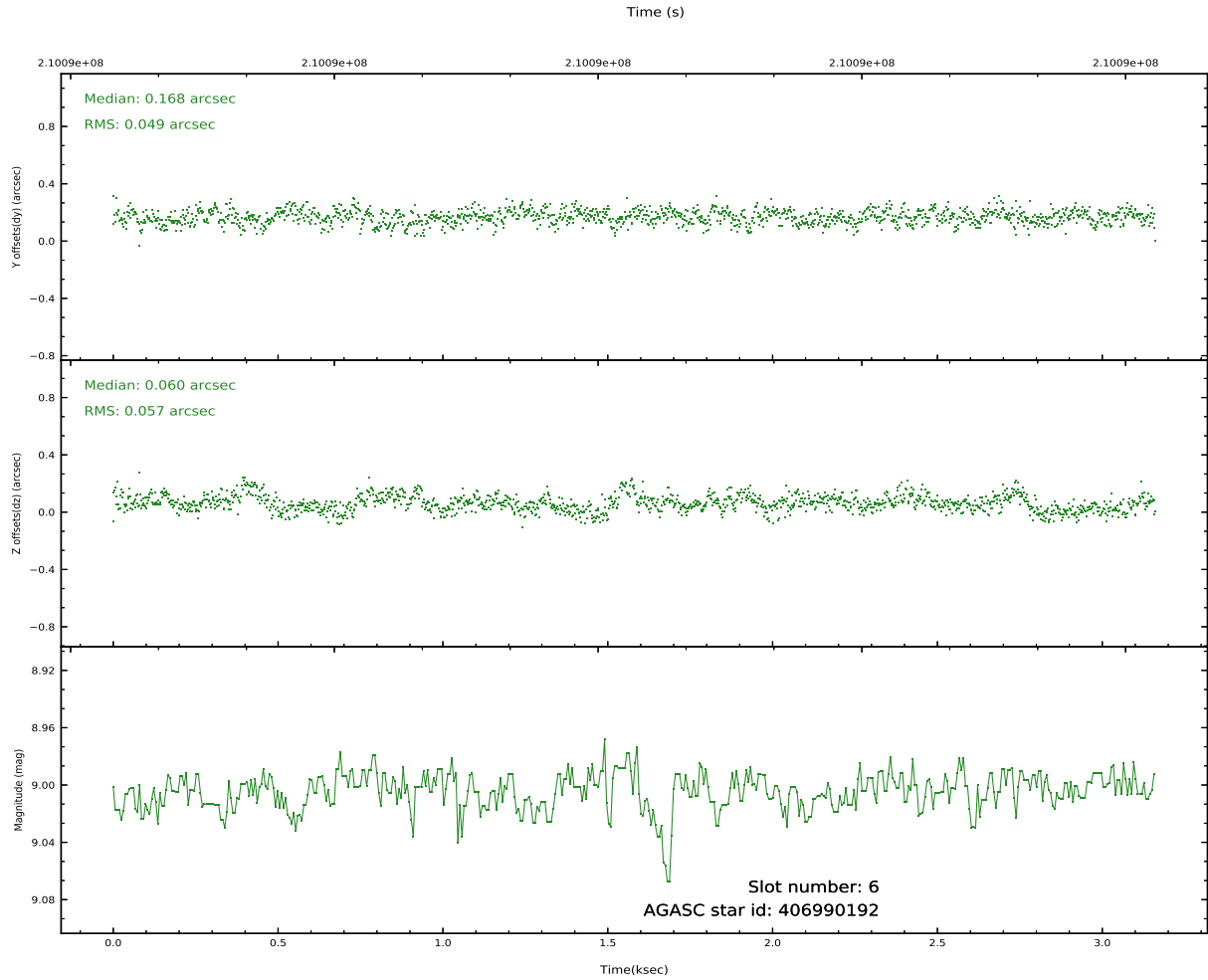
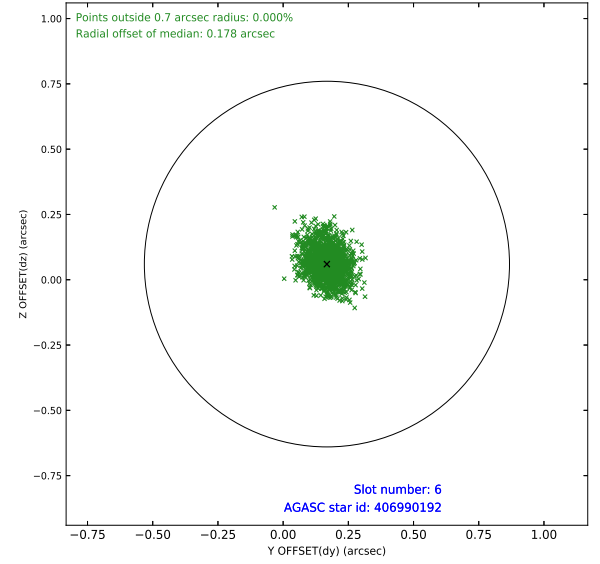
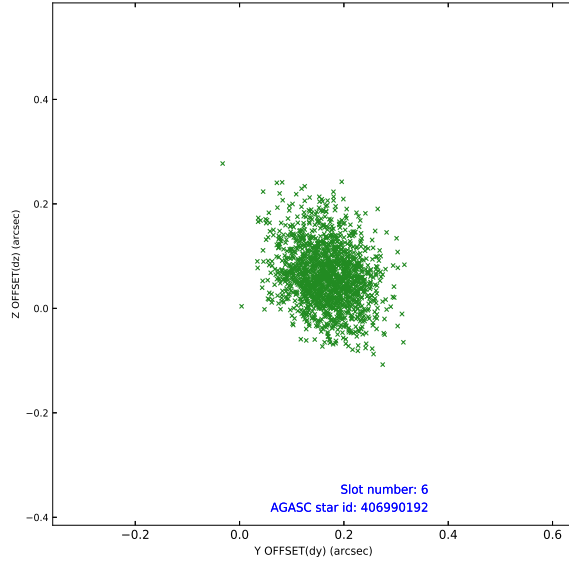
2.4.2 Slot 4



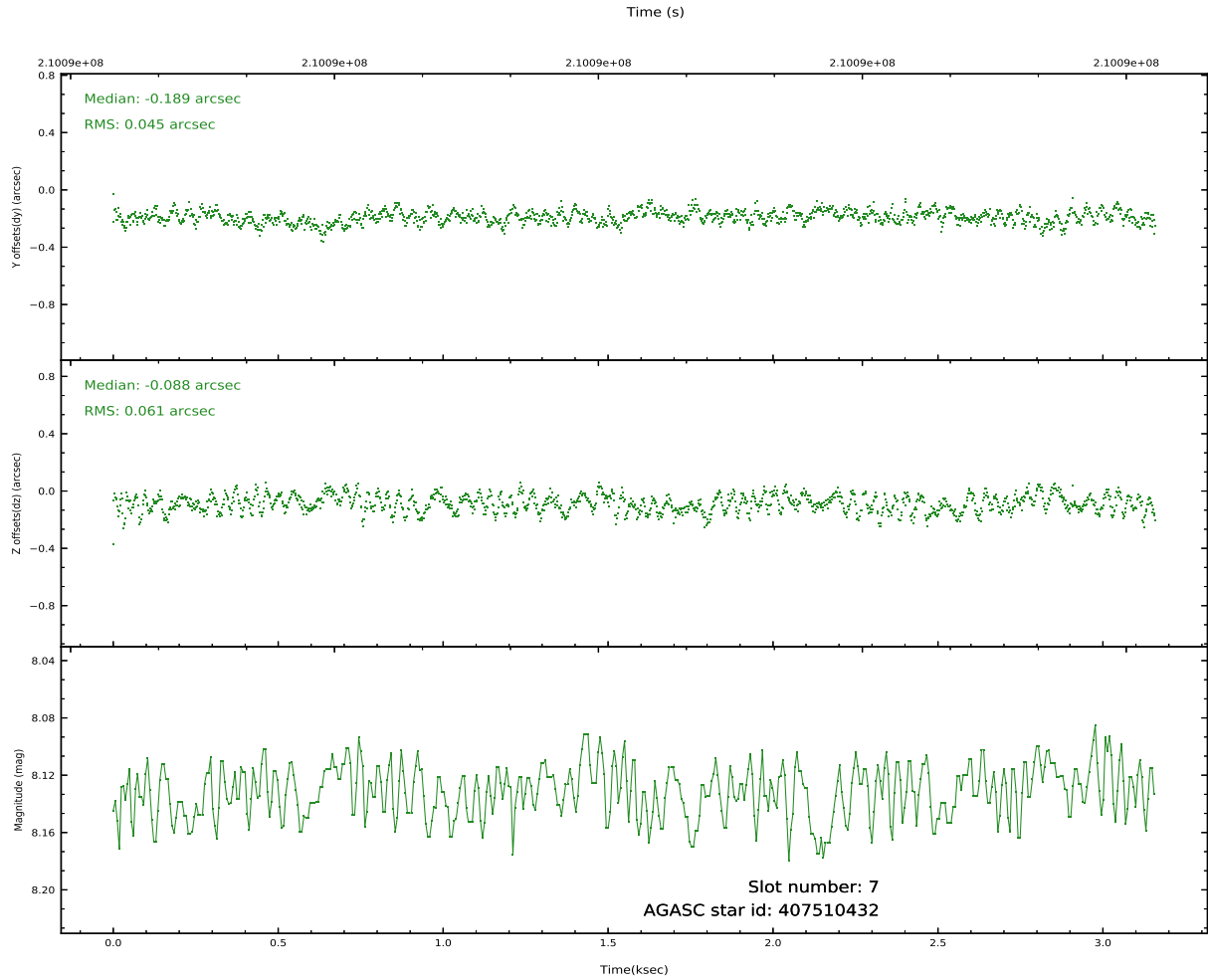
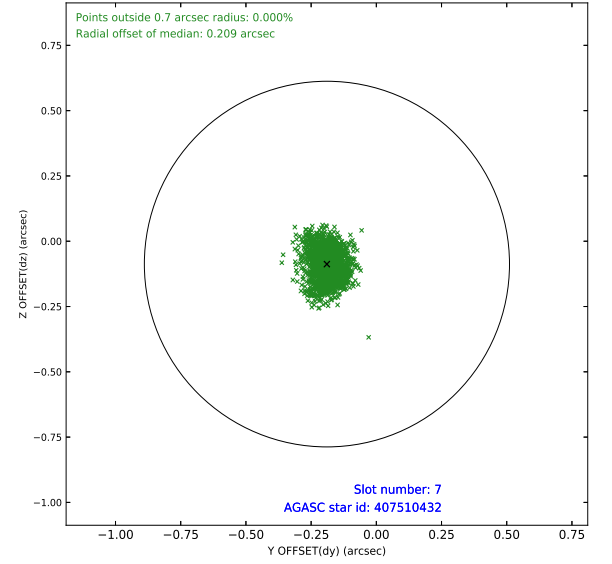
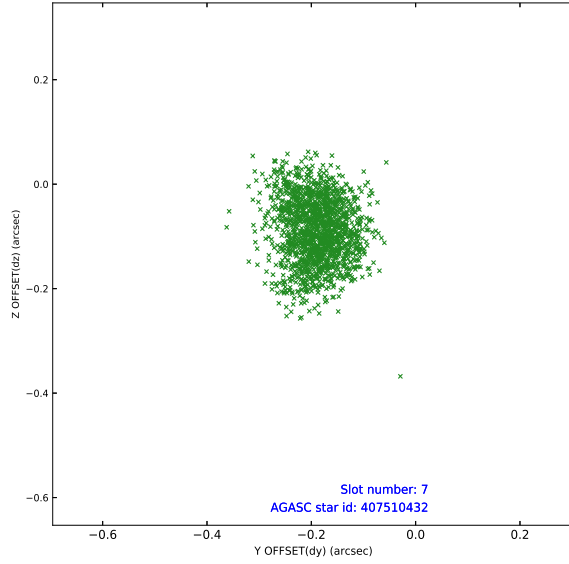
2.4.3 Slot 5



2.4.4 Slot 6

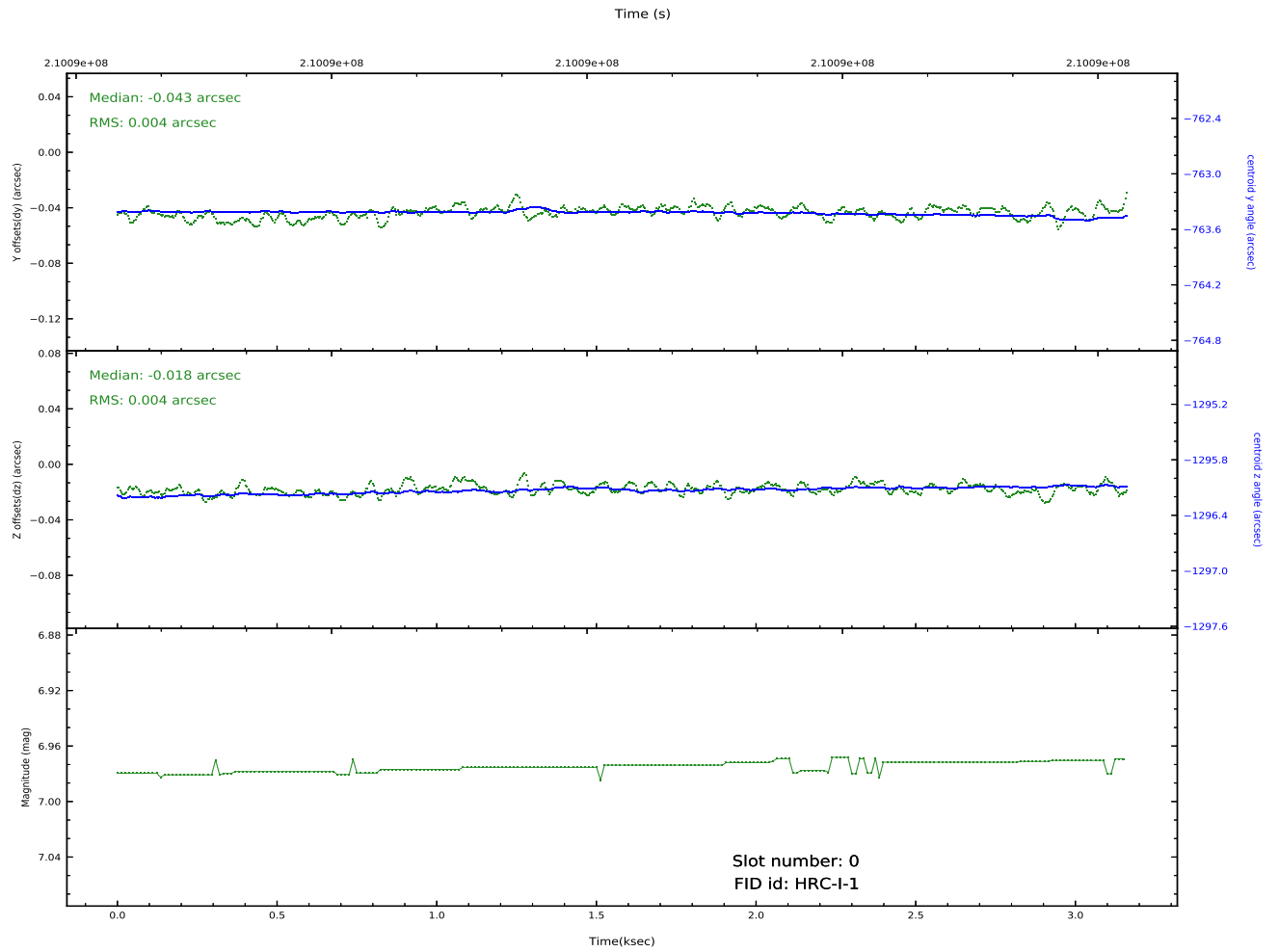
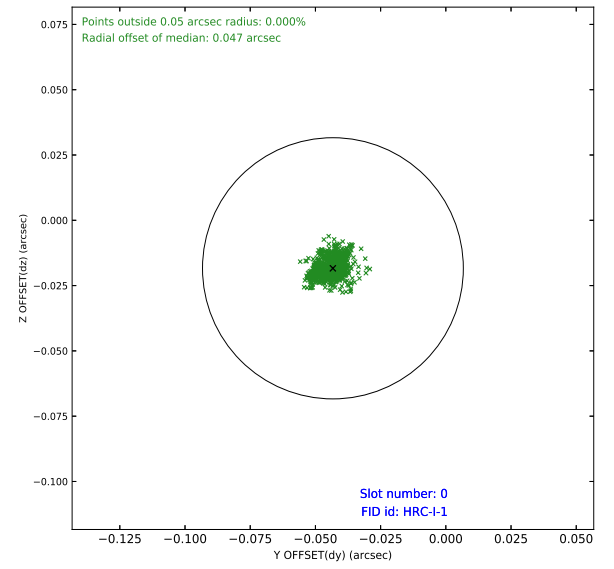
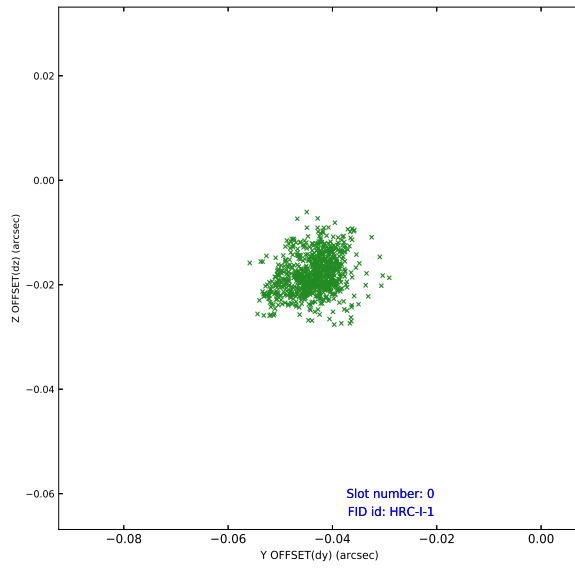


2.4.5 Slot 7

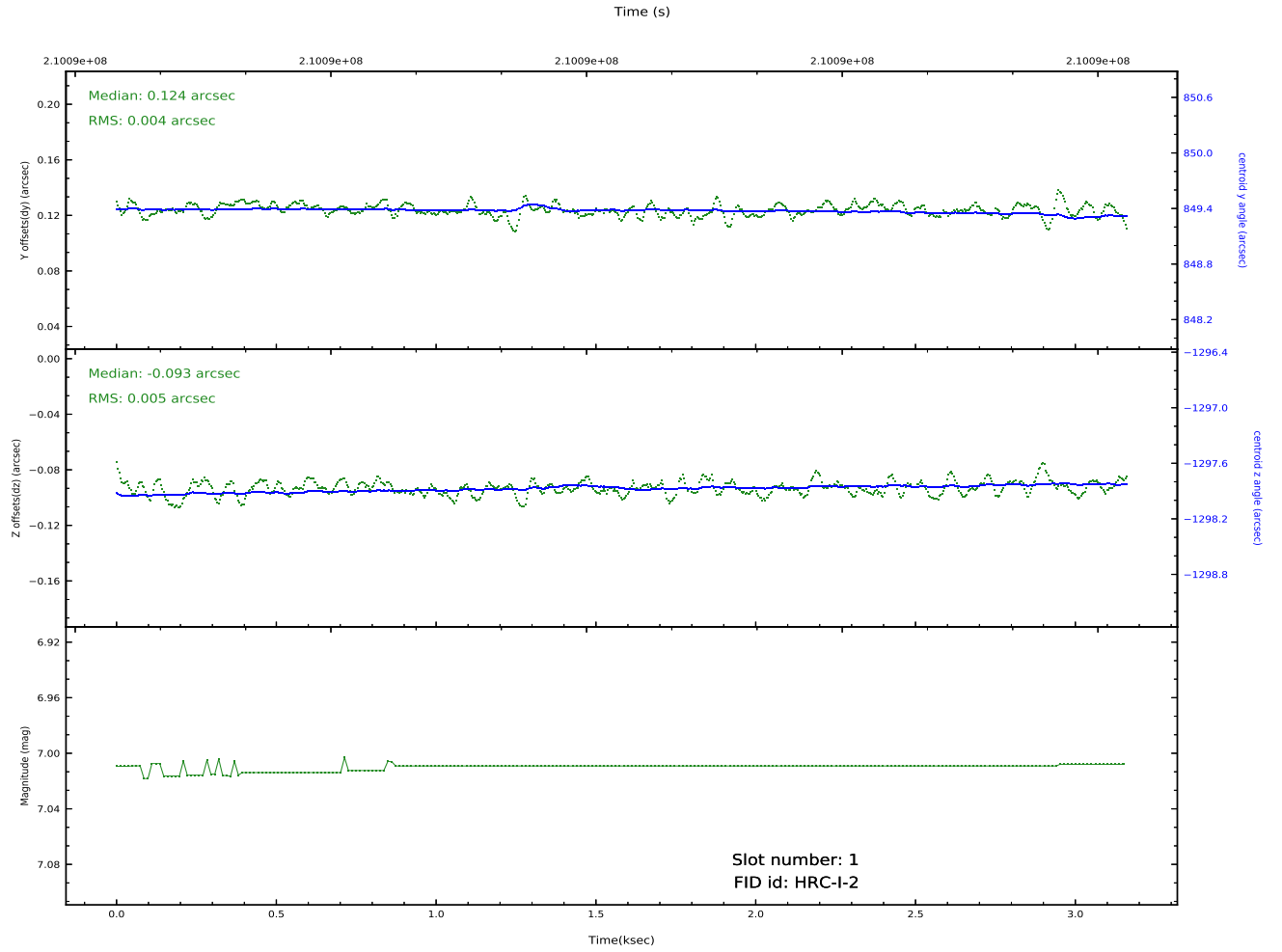
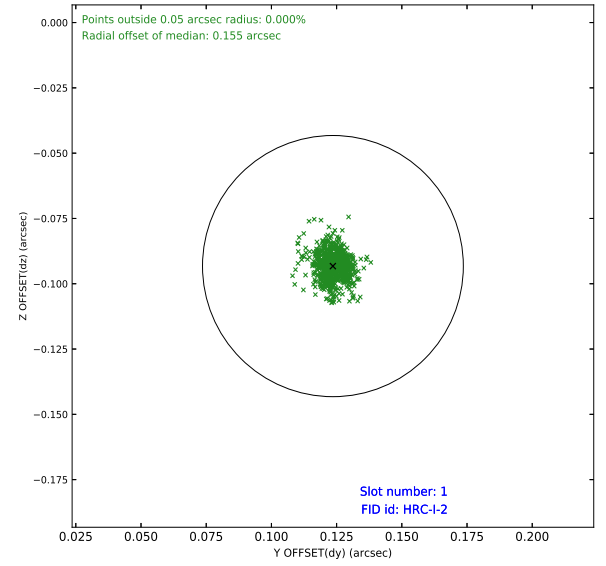
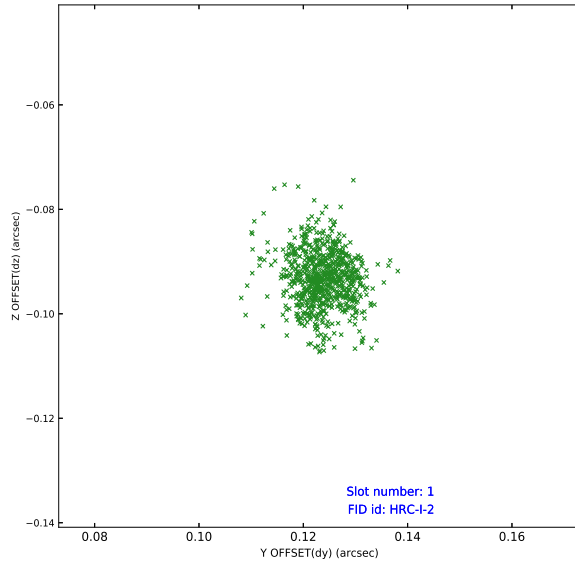


2.5 FID Slots

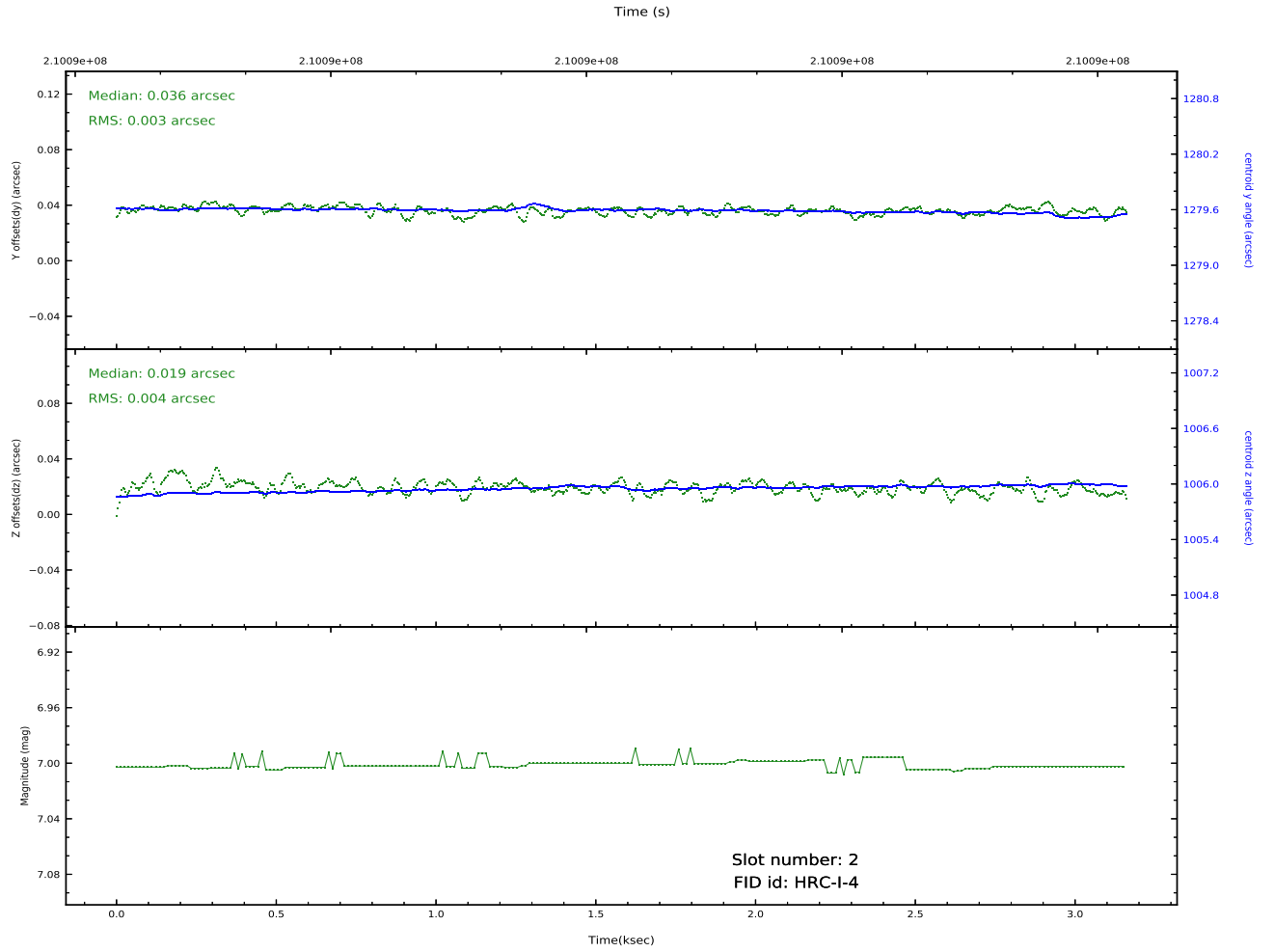
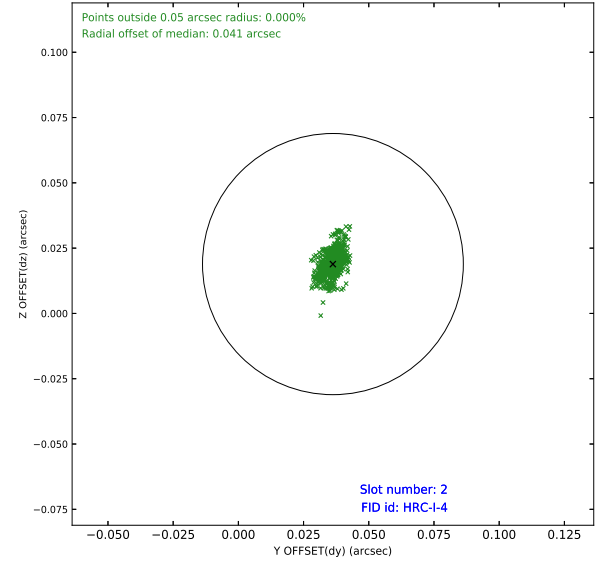
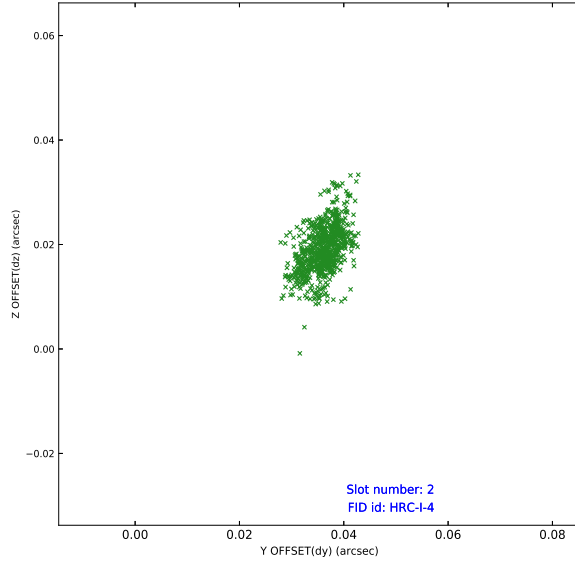
2.5.1 Slot 0



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)	2020.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.16

A.2 Comments

Window constraint met.