

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20662 - L2 Version 2
Chandra X-Ray Center

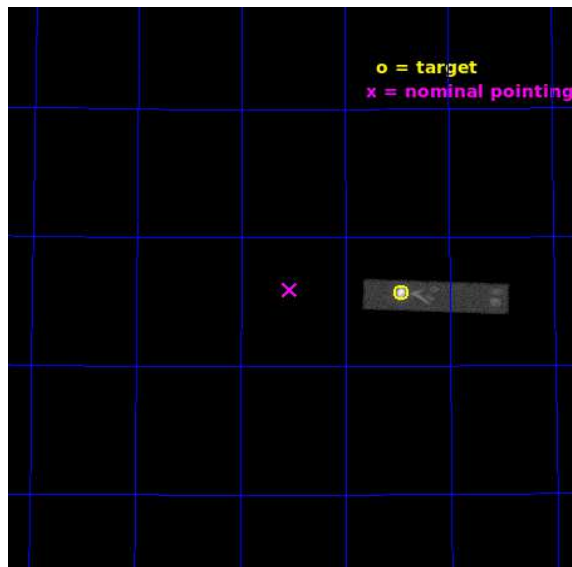
L2 Processing Date : Oct 26 2020

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1 Front

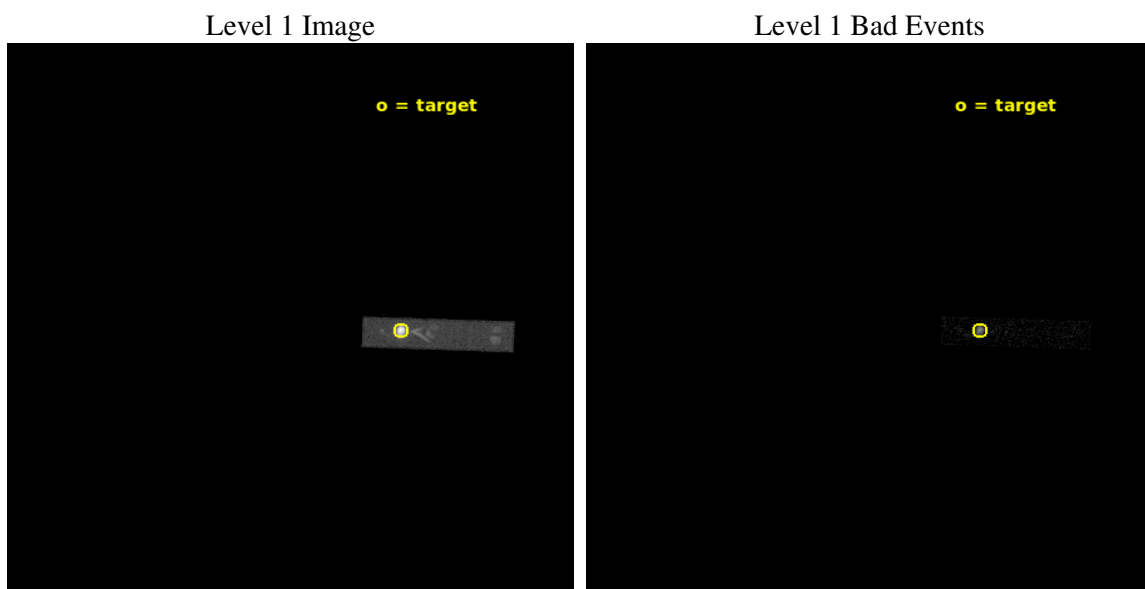
seq_num	291373	Sequence number
obs_id	20662	Observation id
title	AO-19 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235833	Observer's specified target RA [deg]
dec_targ	38.78475	Observer's specified target Dec [deg]
ra_nom	279.76597961081	Nominal RA [deg]
dec_nom	38.79819190901	Nominal Dec [deg]
roll_nom	181.94537688462	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313199759	[s]
liveltime	572.91237330426	Ontime multiplied by DTCOR
l2events	208182	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	1180.0313199759	[s]
caldbver	4.9.3	 	l1events	256233	Number of level 1 events
date	2020-10-26T16:21:27	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

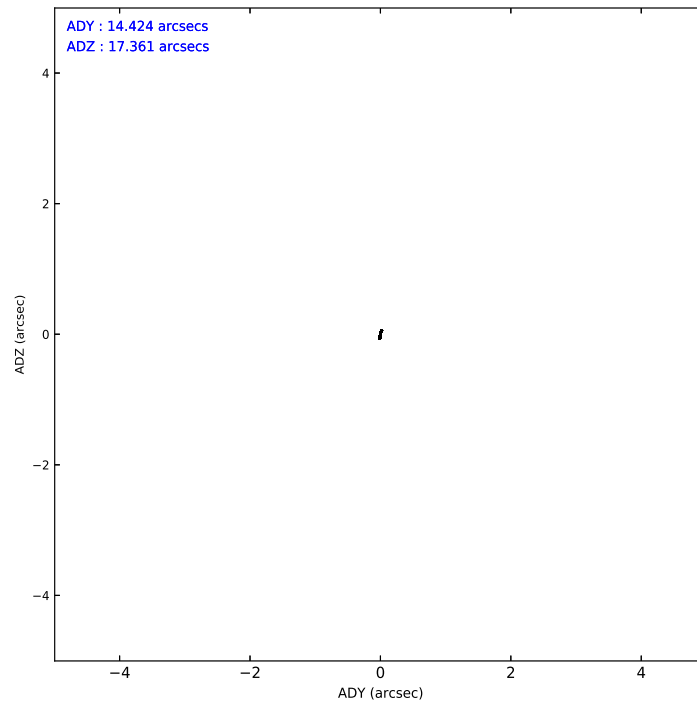
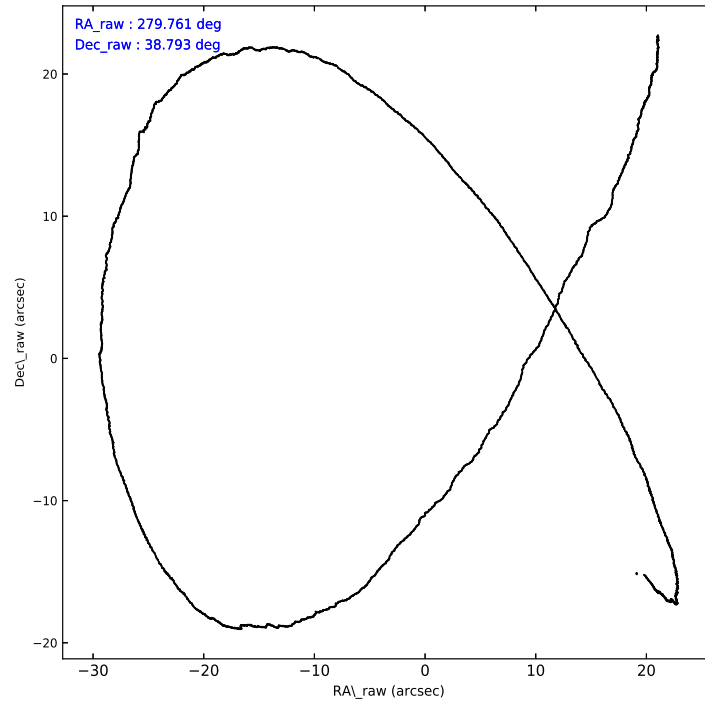
	segment 1	segment 2	segment 3
level 1 events	5	17	256211
rejected events	5	17	38626
rejected %	100%	100%	15%

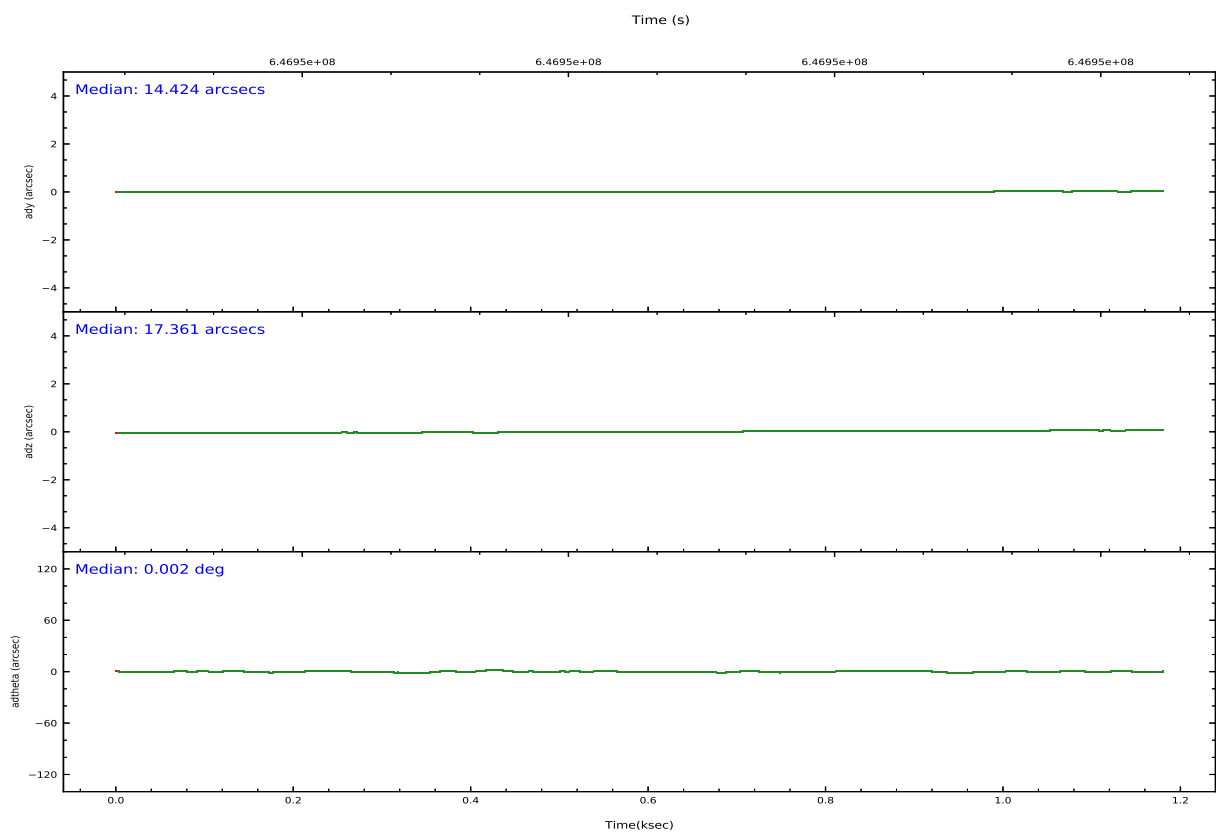
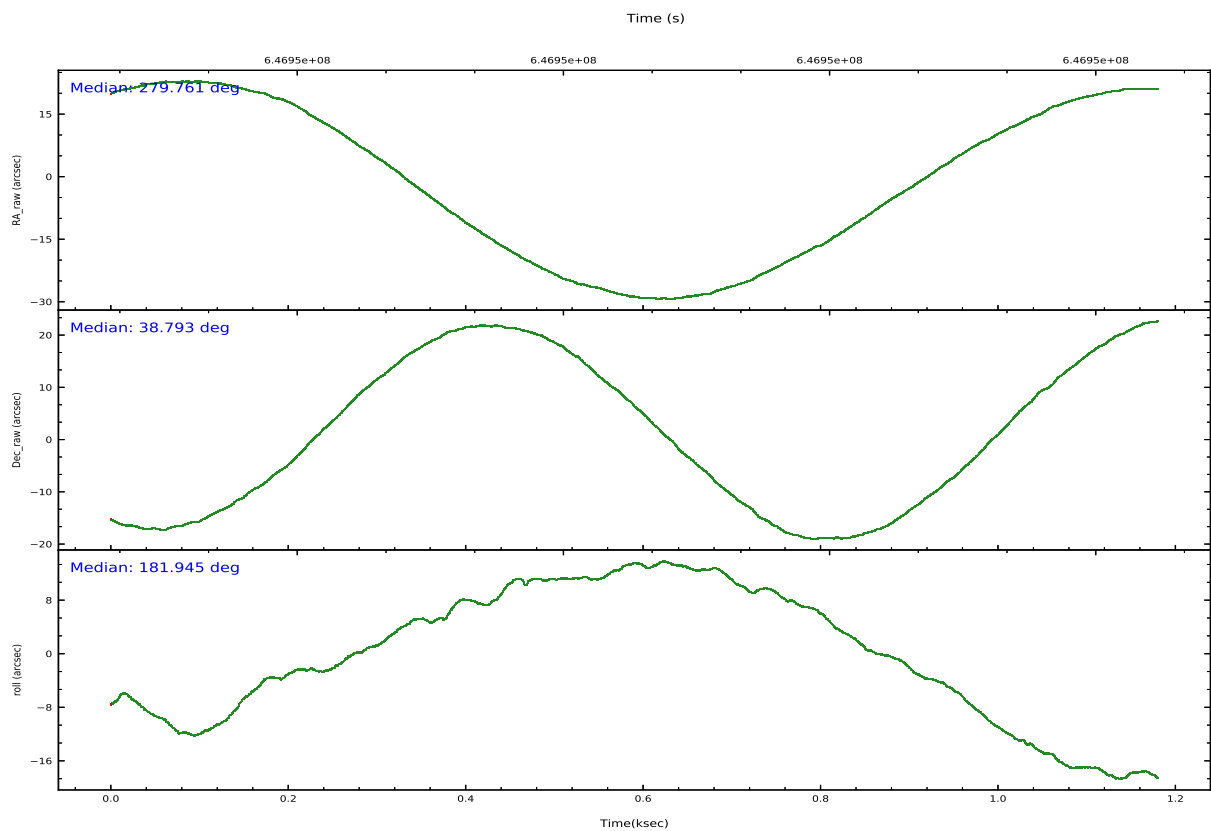
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.790653	279.76597961081
[deg] Pointing Dec	38.809824	38.79819190901
[deg] Pointing Roll	181.866150	181.94537688462
[s] Window start time (MET)	644198469.184000	644198469.184000
[s] Window stop time (MET)	649382469.184000	649382469.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	646949170.184000	646948792.87168
Observation start date	2018-07-02T20:05:01	2018-07-02T19:59:52
[s] Observation end time (MET)	646950170.184000	646951186.24682
Observation end date	2018-07-02T20:21:41	2018-07-02T20:39:46

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

2.3 Aspect



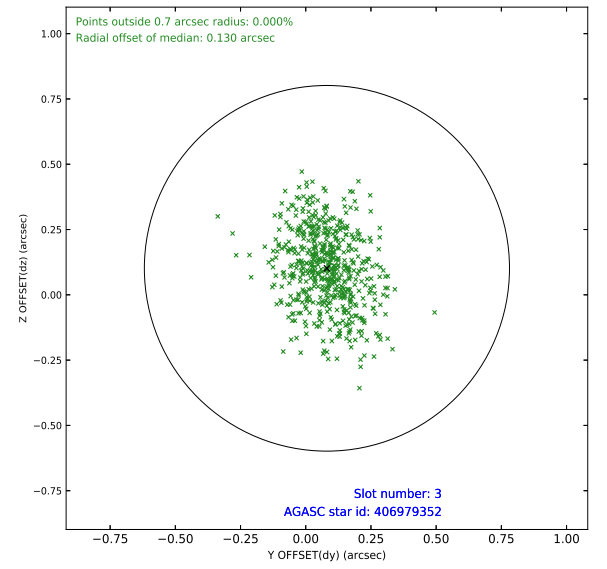
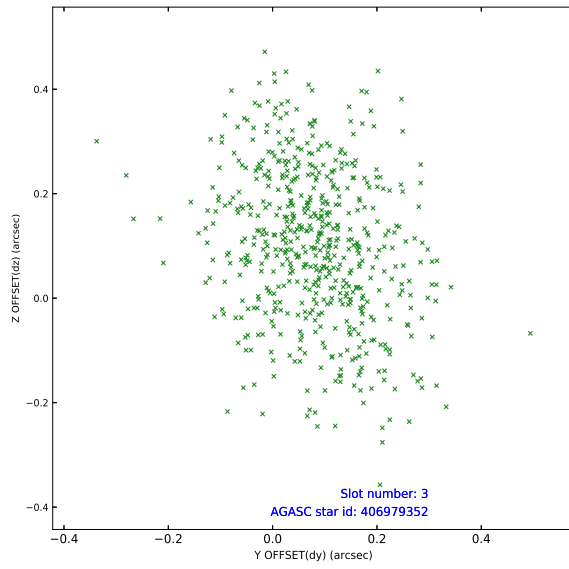


Slot Statistics

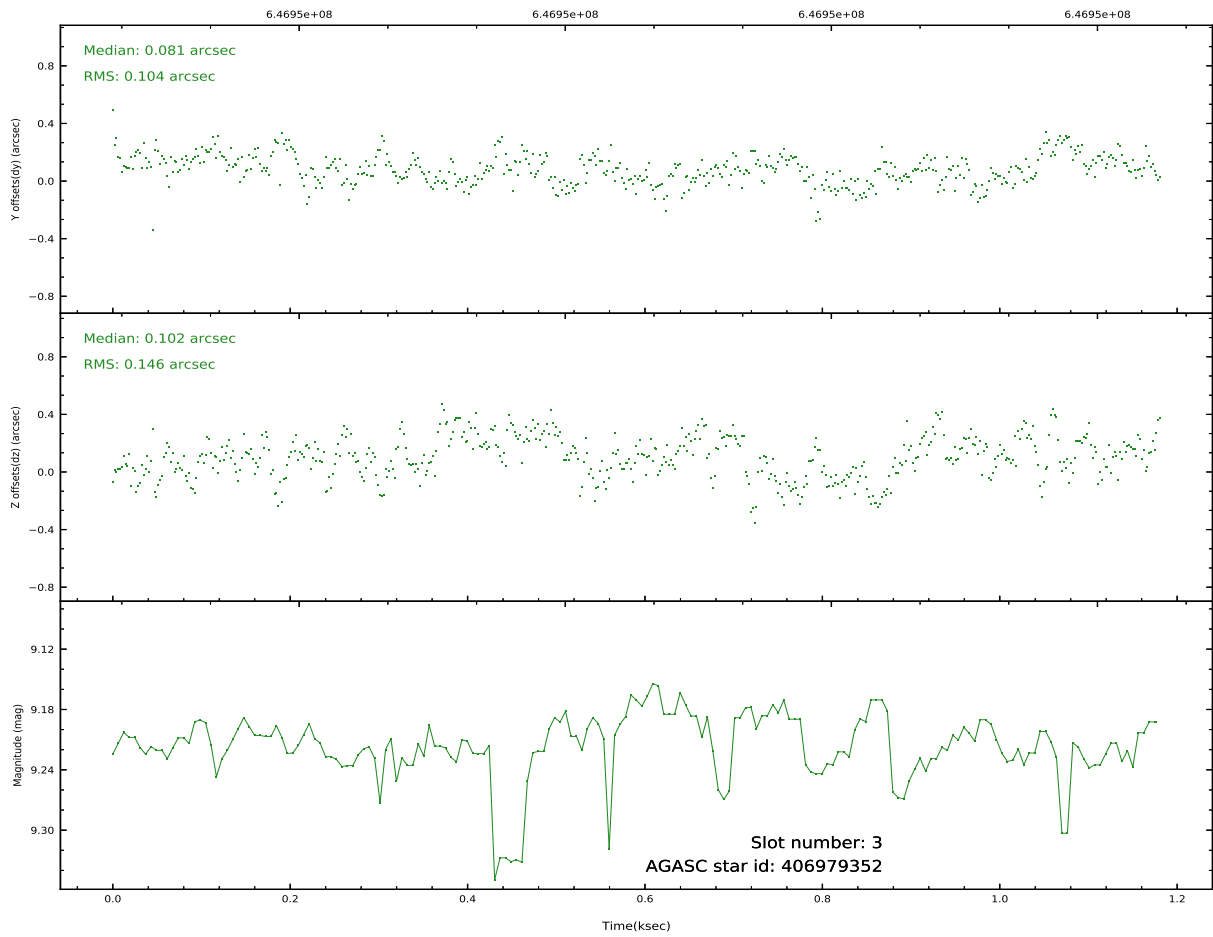
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.07	289	1.000	0.081	-0.174	0.007	0.012	0.000000	0.000000	-1168.84	-466
1	FID		HRC-S-2	7.04	289	1.000	0.274	-0.141	0.006	0.009	0.000000	0.000000	1226.97	-460
2	FID		HRC-S-3	7.04	289	1.000	0.035	0.013	0.007	0.018	0.000000	0.000000	-1167.27	561
3	GUIDE	used	406979352	9.21	577	1.000	0.081	0.102	0.190	0.316	279.968297	39.230258	-542.58	-1495
4	GUIDE	used	406983600	8.90	577	1.000	0.107	0.000	0.148	0.285	279.940957	39.020708	-445.27	-747
5	GUIDE	used	406989616	8.20	577	1.000	-0.234	-0.264	0.136	0.237	279.202881	38.520843	1689.43	978
6	GUIDE	used	407513096	8.10	577	1.000	0.126	0.122	0.140	0.236	279.928965	39.436841	-452.61	-2242
7	GUIDE	used	407521232	8.61	576	1.000	-0.076	0.047	0.153	0.286	279.628883	39.431715	378.02	-2257

2.4 Star Slots

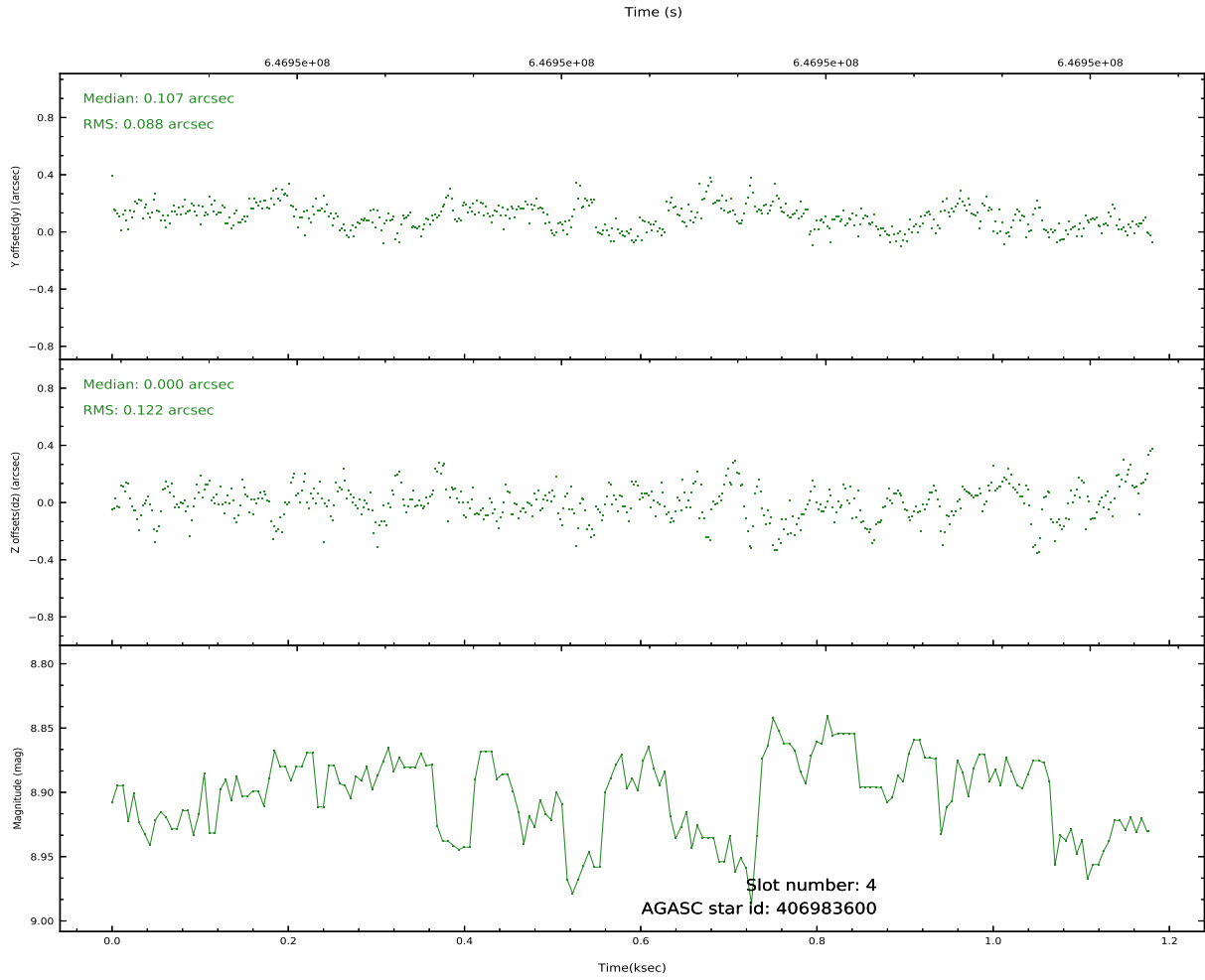
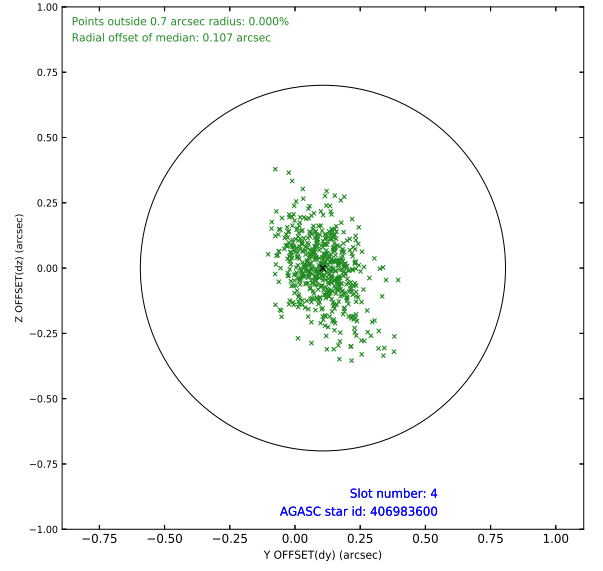
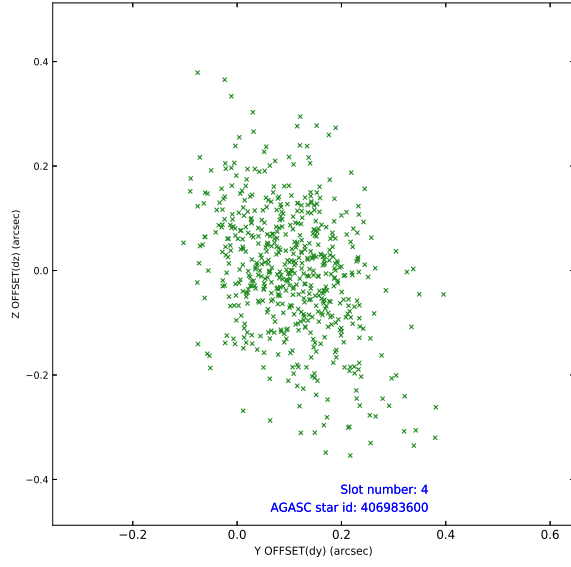
2.4.1 Slot 3



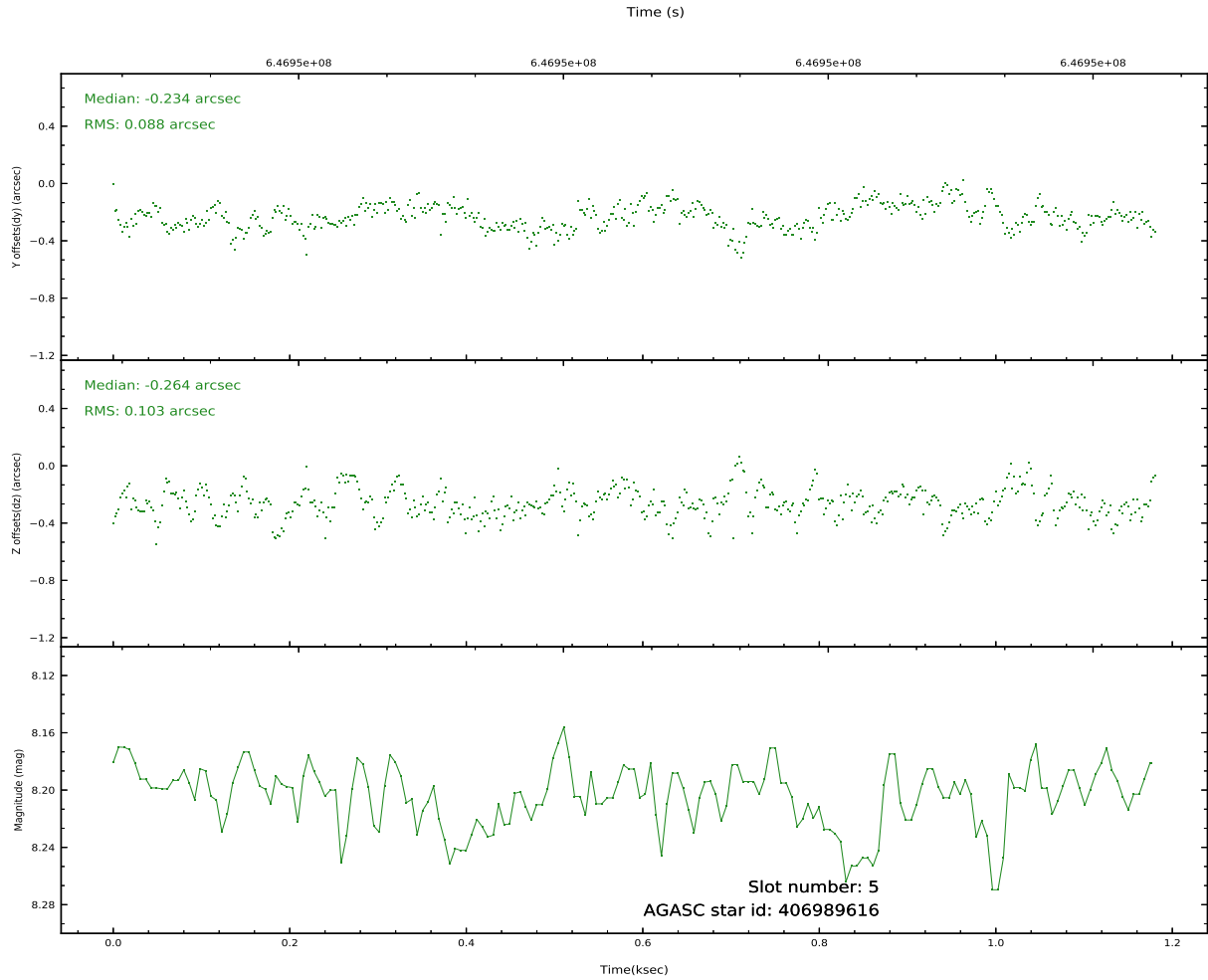
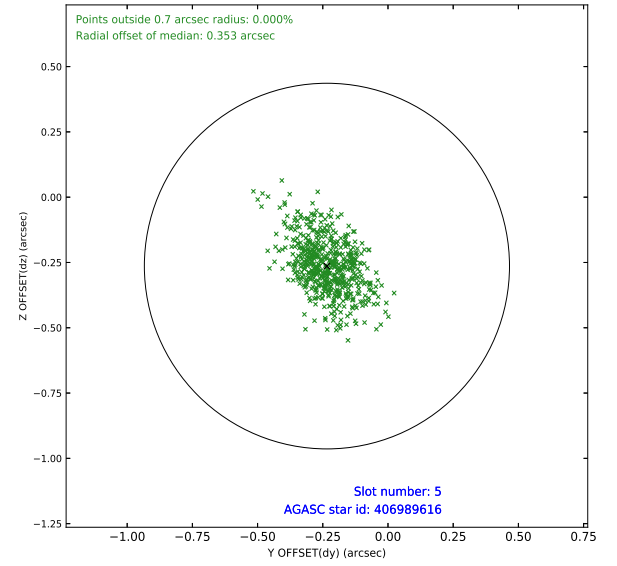
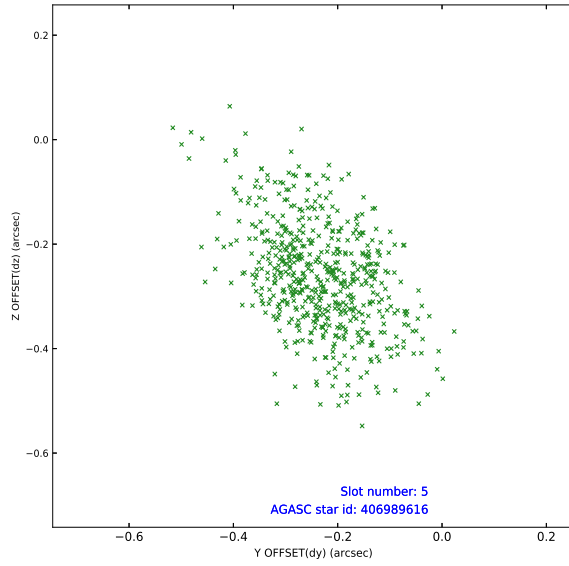
Time (s)



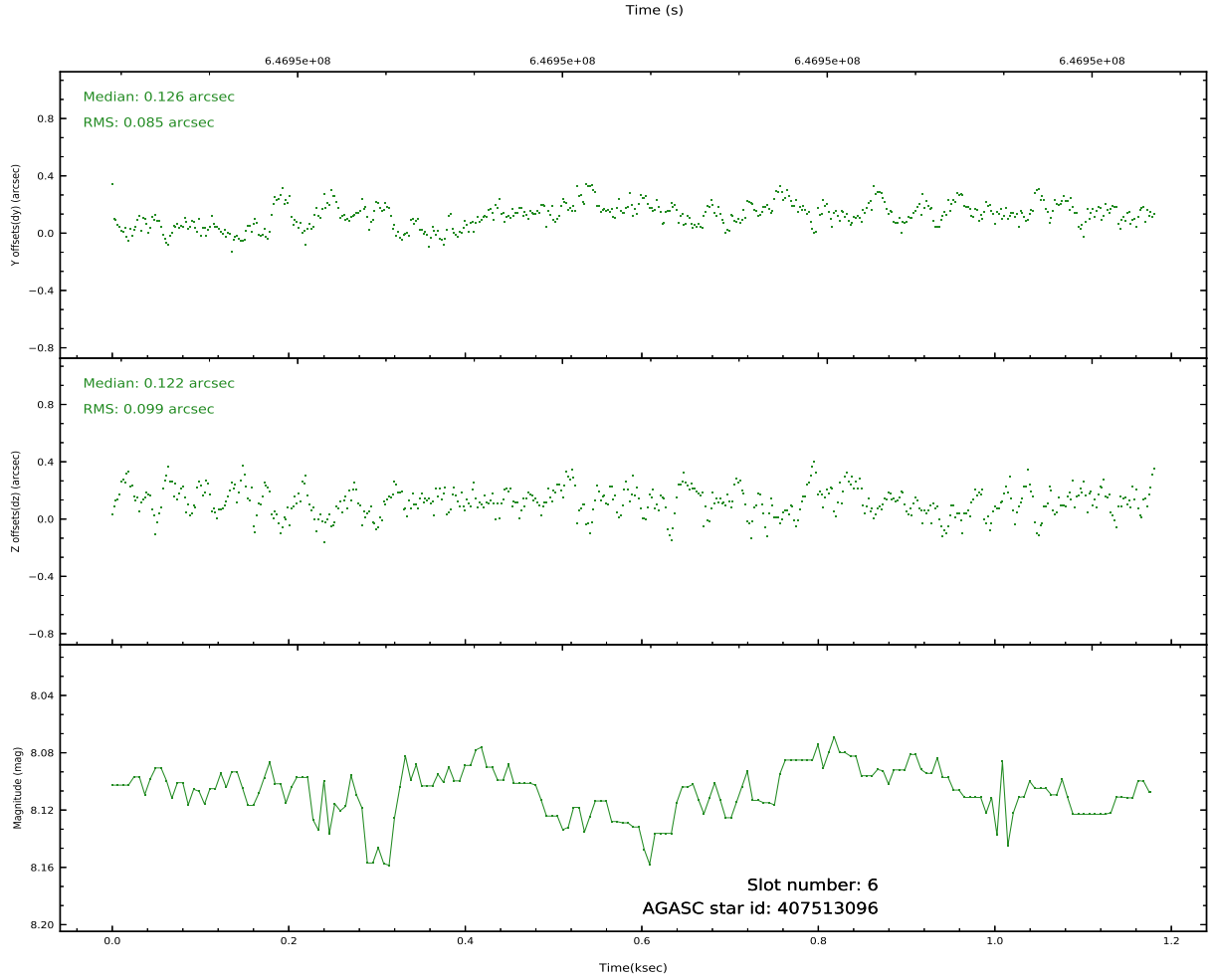
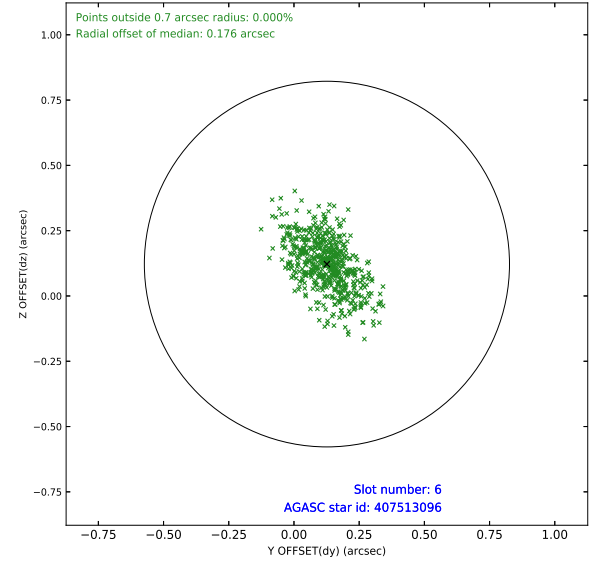
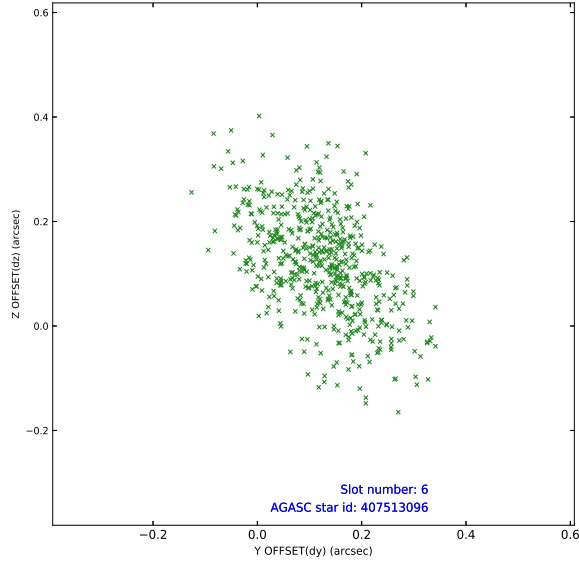
2.4.2 Slot 4



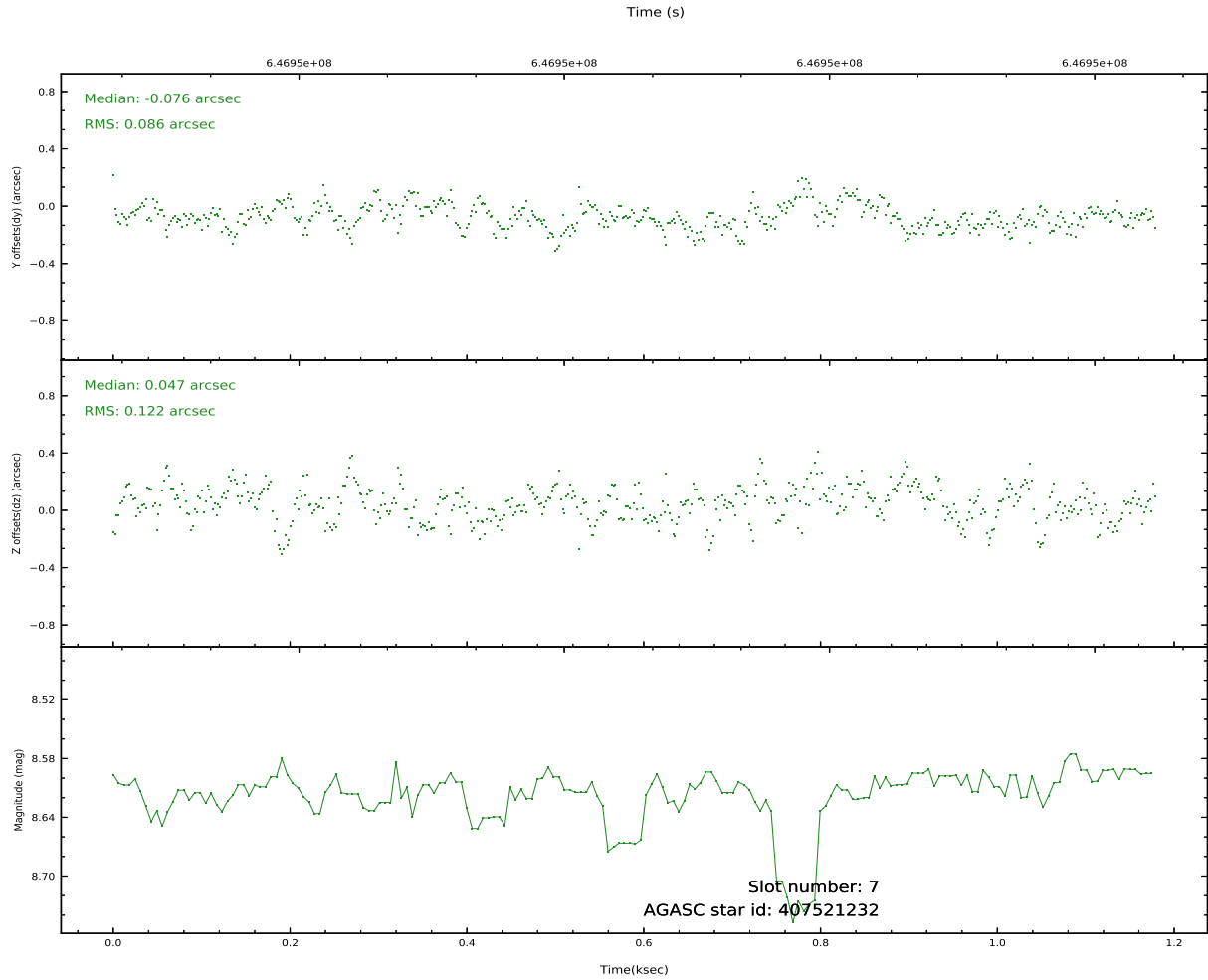
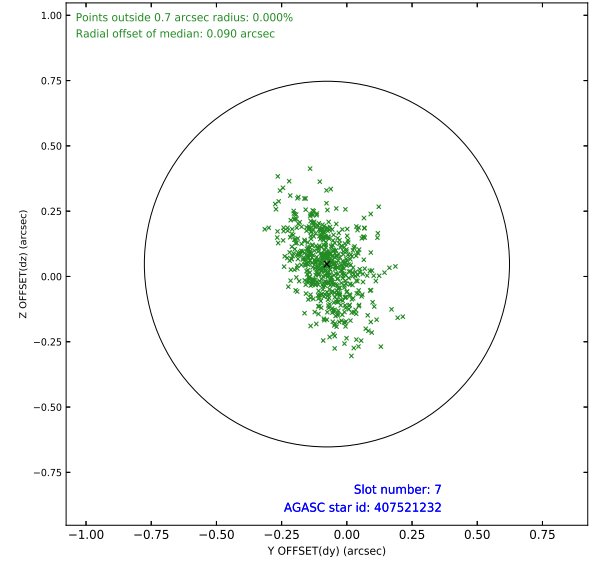
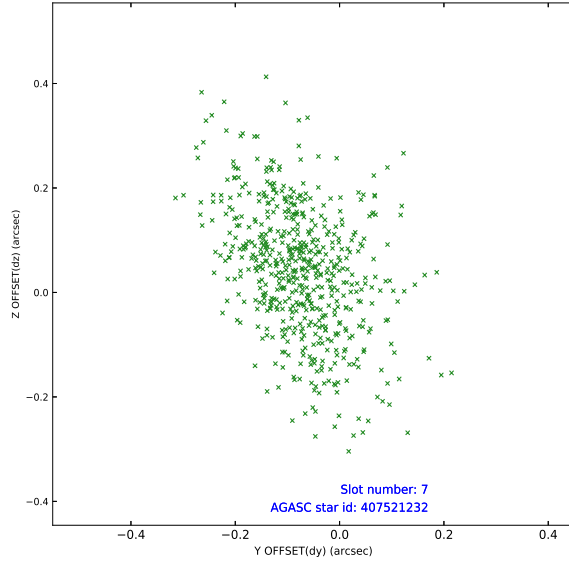
2.4.3 Slot 5



2.4.4 Slot 6

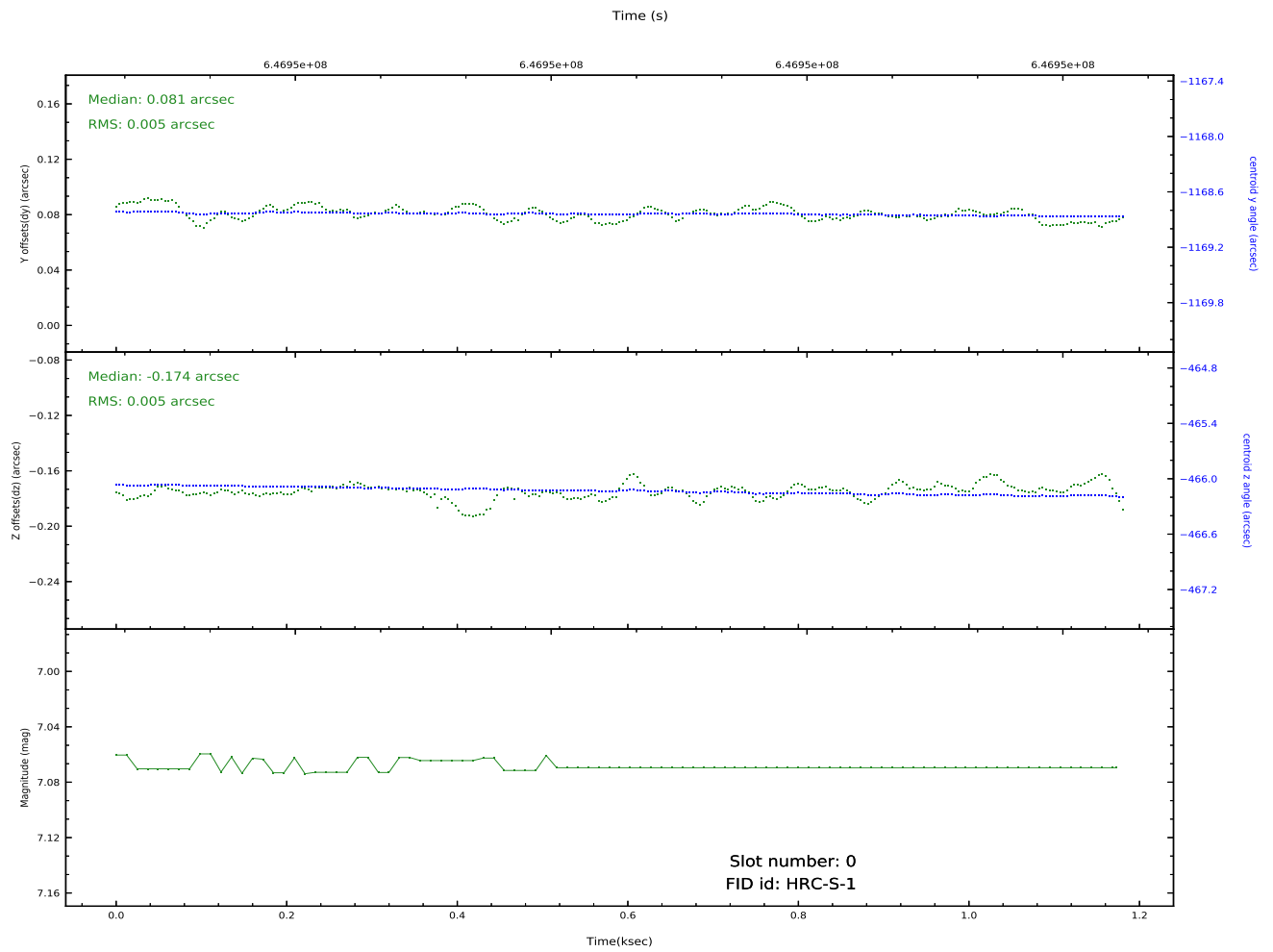
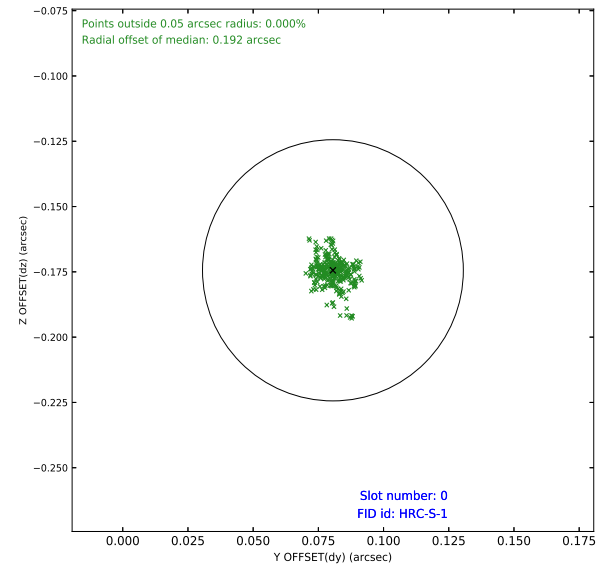
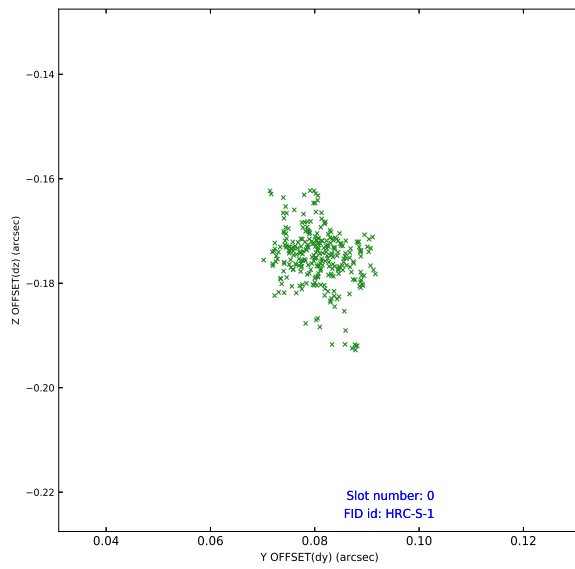


2.4.5 Slot 7

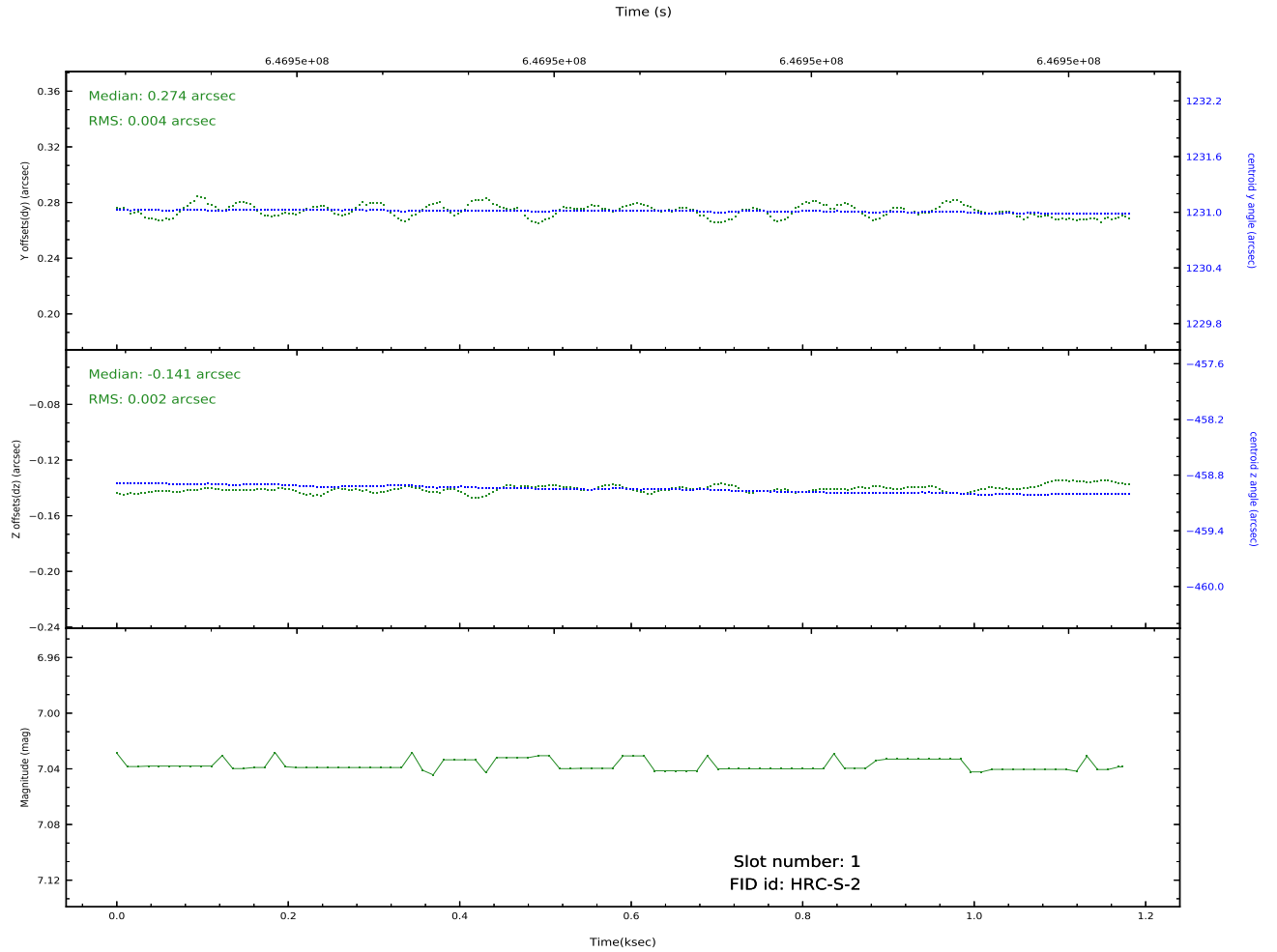
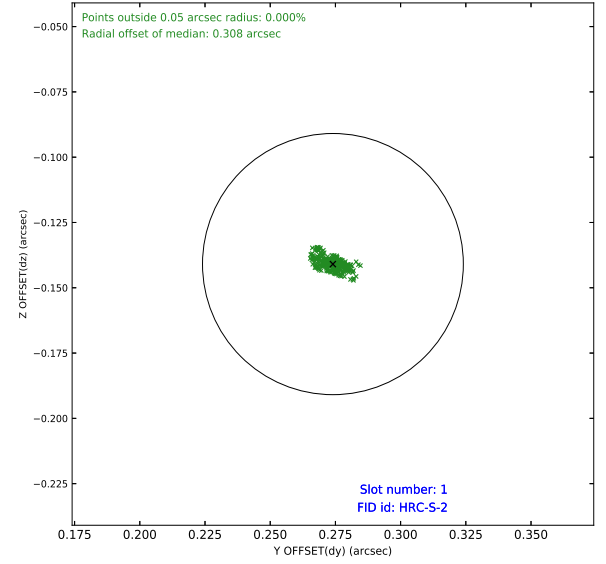
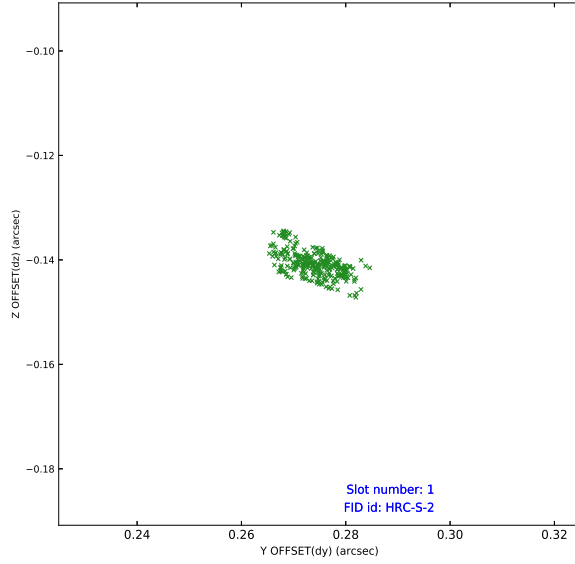


2.5 FID Slots

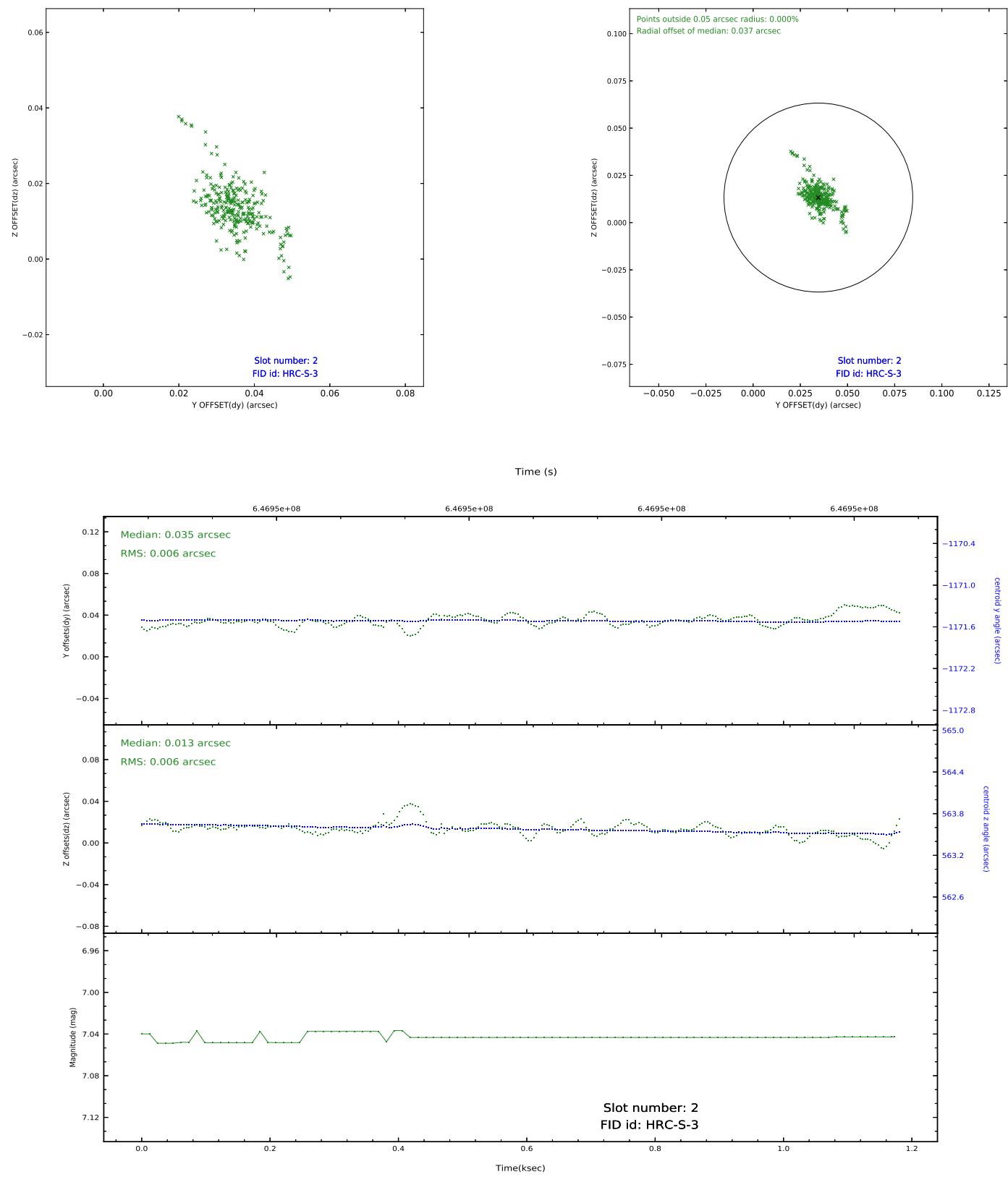
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313199759

A.2 Comments

Window preference met.