

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5970 - L2 Version 5
Chandra X-Ray Center

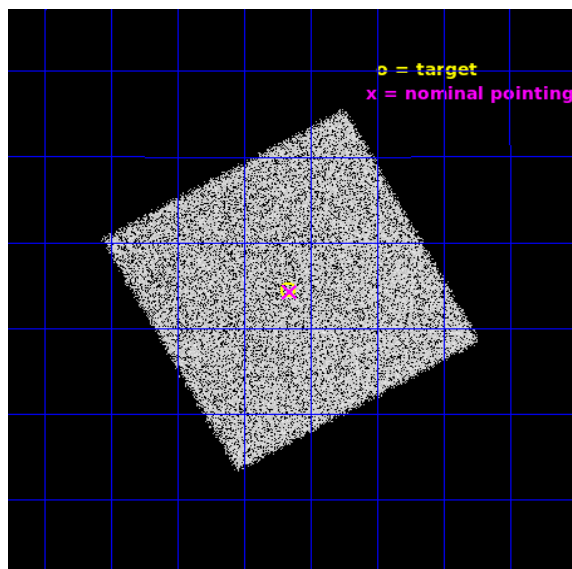
L2 Processing Date : Oct 6 2020

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1 Front

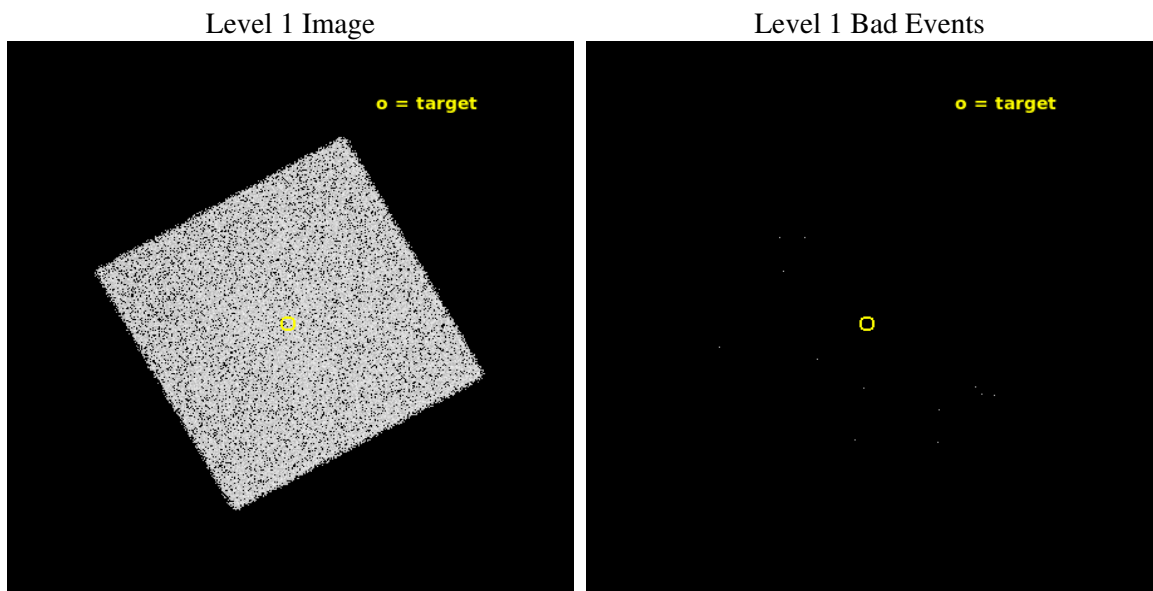
seq_num	290462	Sequence number
obs_id	5970	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.788685806694	Nominal RA [deg]
dec_nom	7.4043415815643	Nominal Dec [deg]
roll_nom	285.74660477466	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2143.531346947	[s]
livetime	2129.4081536745	Ontime multiplied by DTCOR
l2events	75396	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	2143.531346947	[s]
caldbver	4.9.2	 	l1events	162155	Number of level 1 events
date	2020-10-06T14:45:14	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

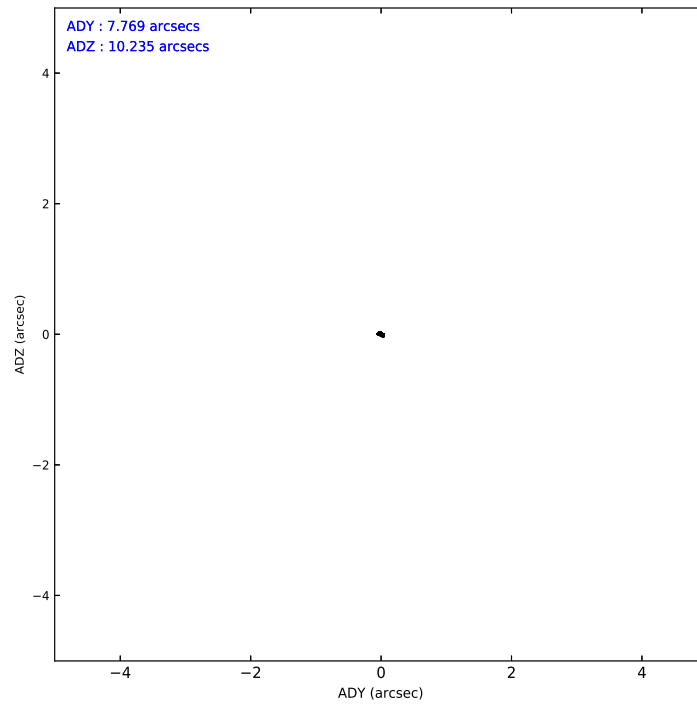
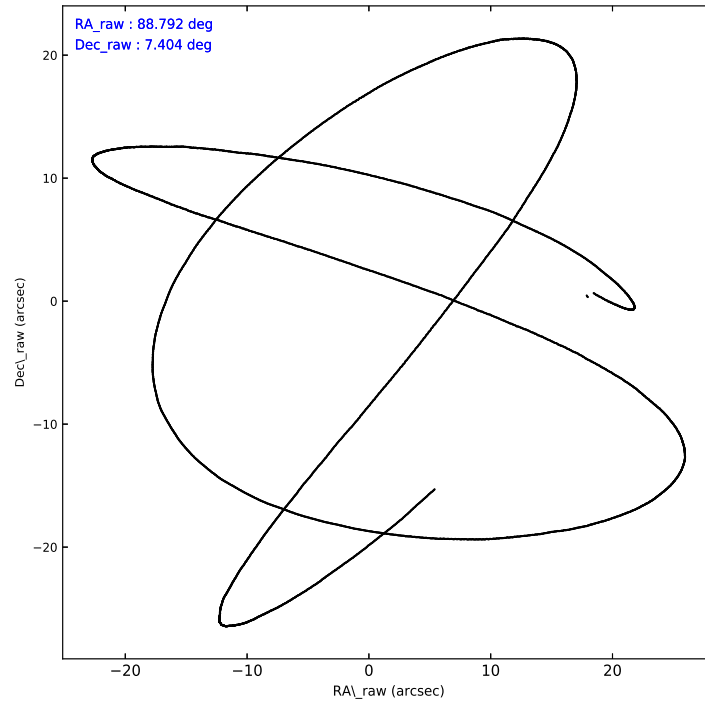
	segment 0
level 1 events	162155
rejected events	49801
rejected %	30%

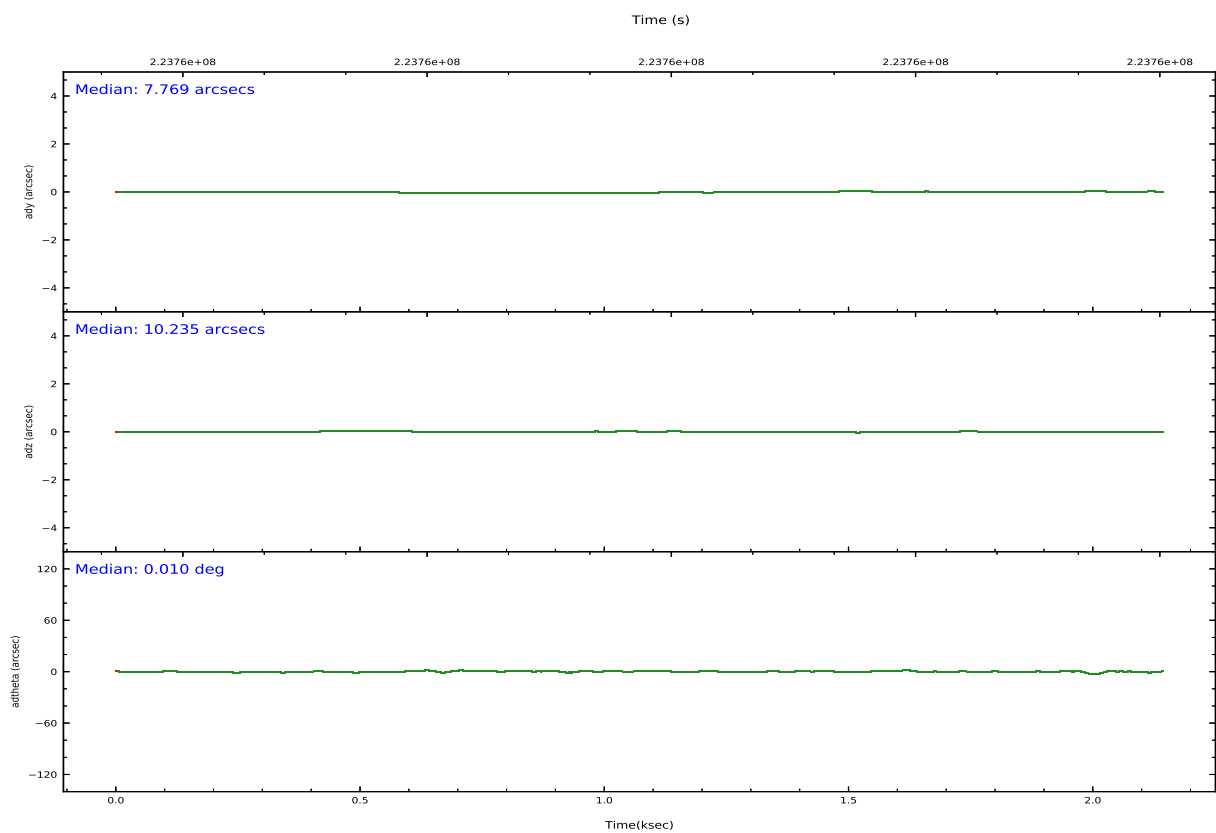
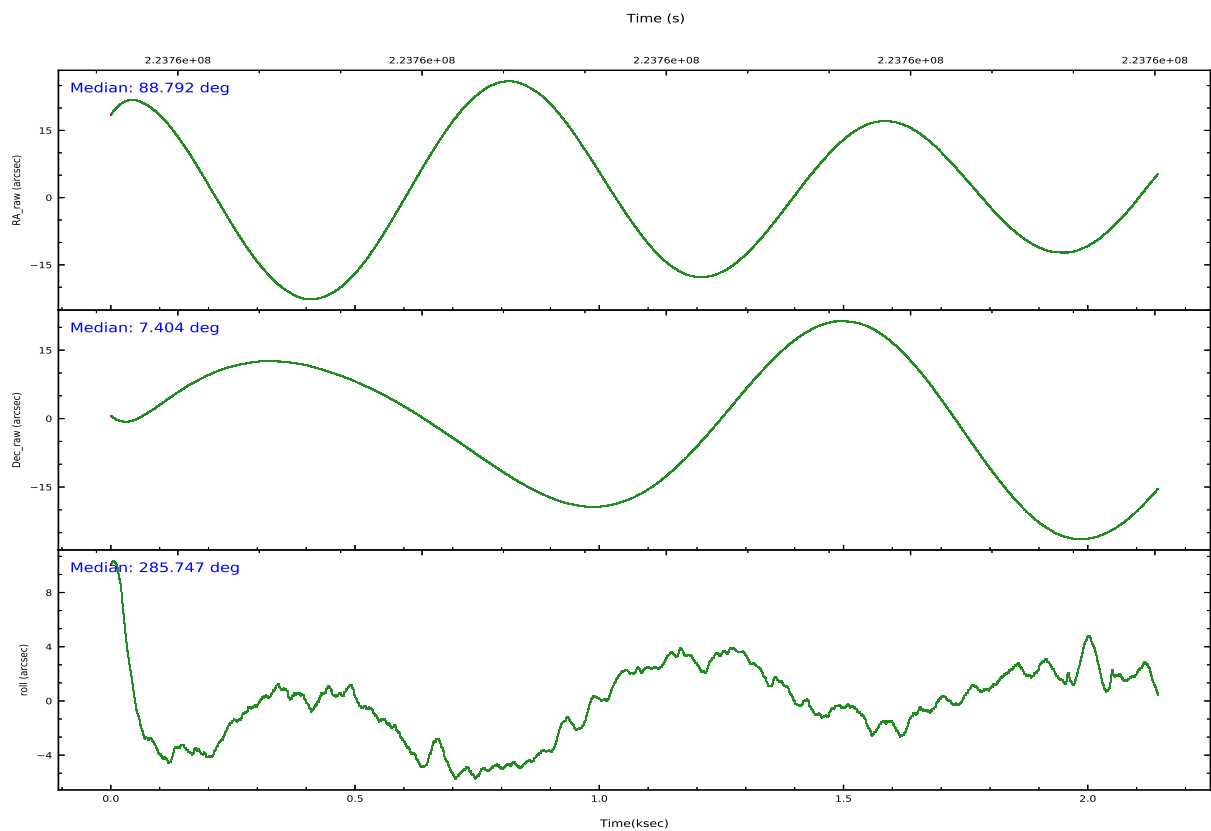
2.2 Compared Parameters

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	88.772392	88.78868580669401
[deg] Pointing Dec	7.421371	7.4043415815643
[deg] Pointing Roll	285.858535	285.74660477466
[s] Window start time (MET)	223603264.184000	223603264.184000
[s] Window stop time (MET)	228614464.184000	228614464.184000
[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)	223757507.184000	223756444.21478
Observation start date	2005-02-02T18:50:43	2005-02-02T18:34:04
[s] Observation end time (MET)	223759507.184000	223759641.18992
Observation end date	2005-02-02T19:24:03	2005-02-02T19:27:21

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

2.3 Aspect



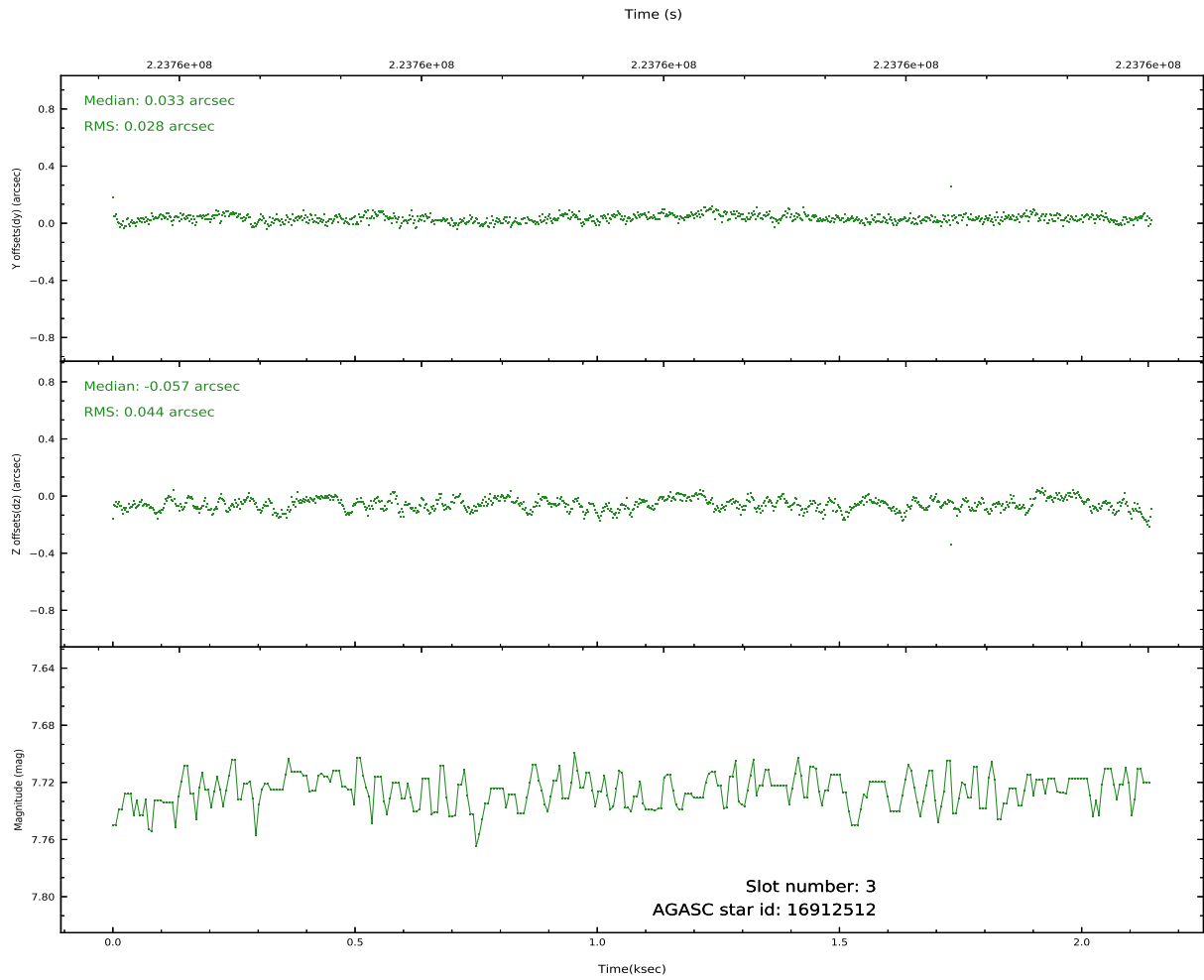
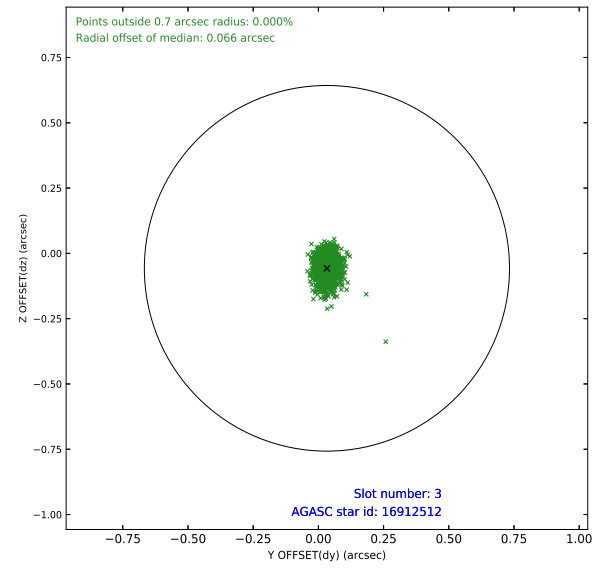
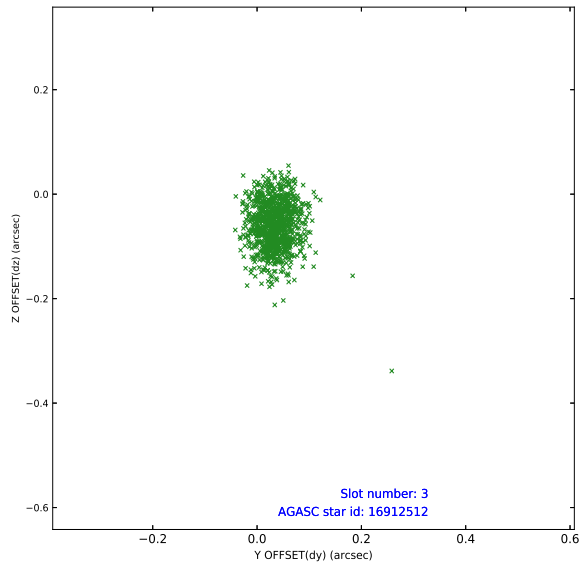


Slot Statistics

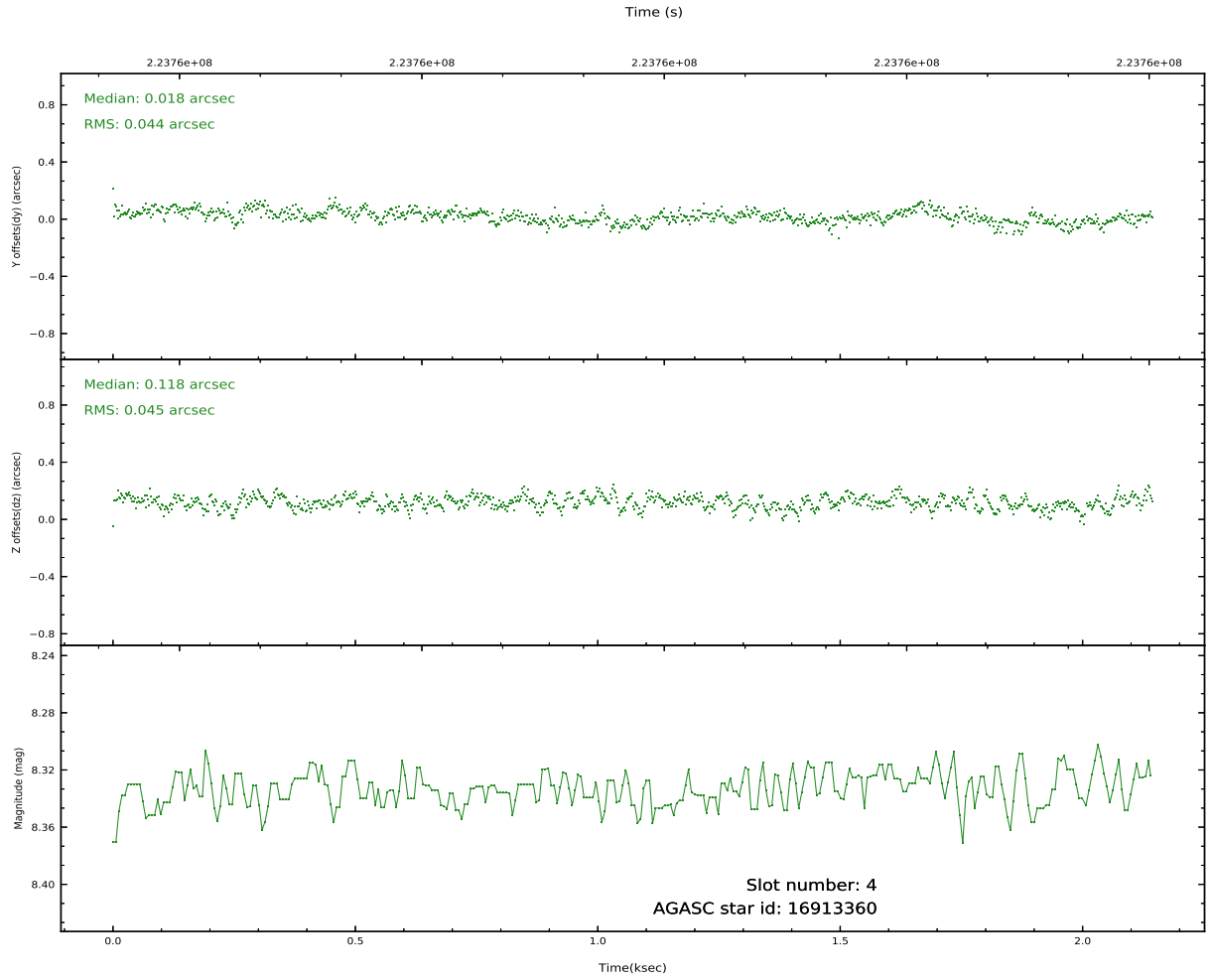
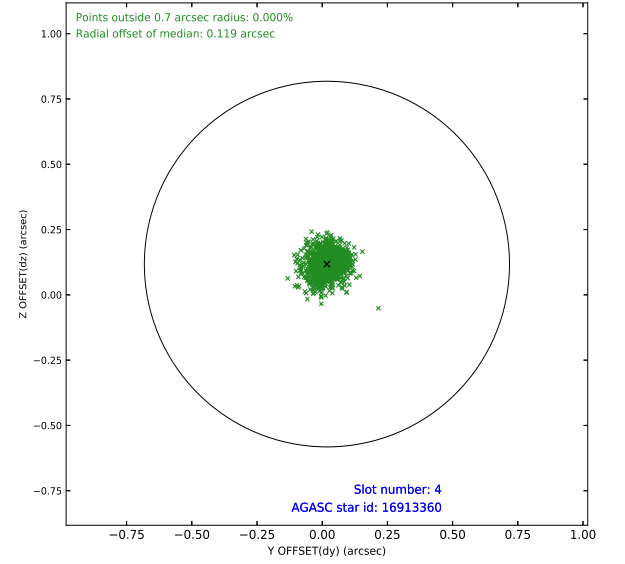
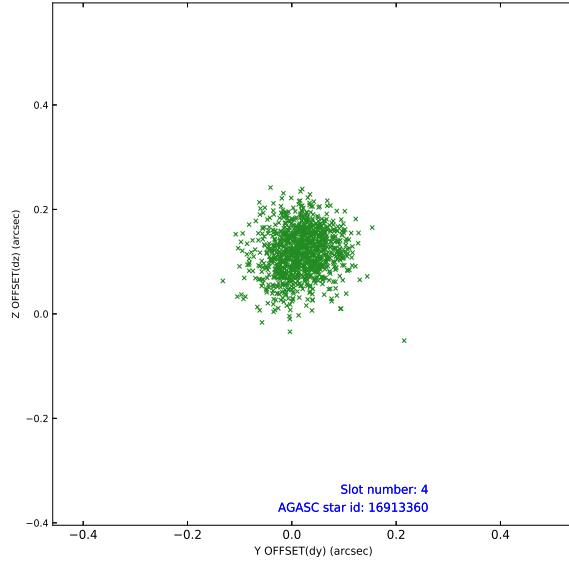
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	524	1.000	-0.080	-0.081	0.006	0.010	0.000000	0.000000	-763.49	-1298
1	FID		HRC-I-2	7.03	524	1.000	0.111	-0.056	0.007	0.012	0.000000	0.000000	847.88	-1302
2	FID		HRC-I-4	7.02	524	1.000	0.086	0.045	0.006	0.011	0.000000	0.000000	1281.16	1001
3	GUIDE	used	16912512	7.73	1047	1.000	0.033	-0.057	0.054	0.090	88.651510	7.129862	892.09	-701
4	GUIDE	used	16913360	8.33	1046	1.000	0.018	0.118	0.066	0.107	89.178373	7.247125	1000.50	1223
5	GUIDE	used	16918912	8.66	1047	1.000	0.221	0.192	0.067	0.111	89.257075	6.922287	2202.51	1177
6	GUIDE	used	93856056	7.98	1047	1.000	-0.054	-0.120	0.059	0.094	88.147460	7.547925	-1046.46	-2018
7	GUIDE	used	93727304	8.27	1046	1.000	-0.217	-0.131	0.068	0.110	88.040179	7.731431	-1790.11	-2208

2.4 Star Slots

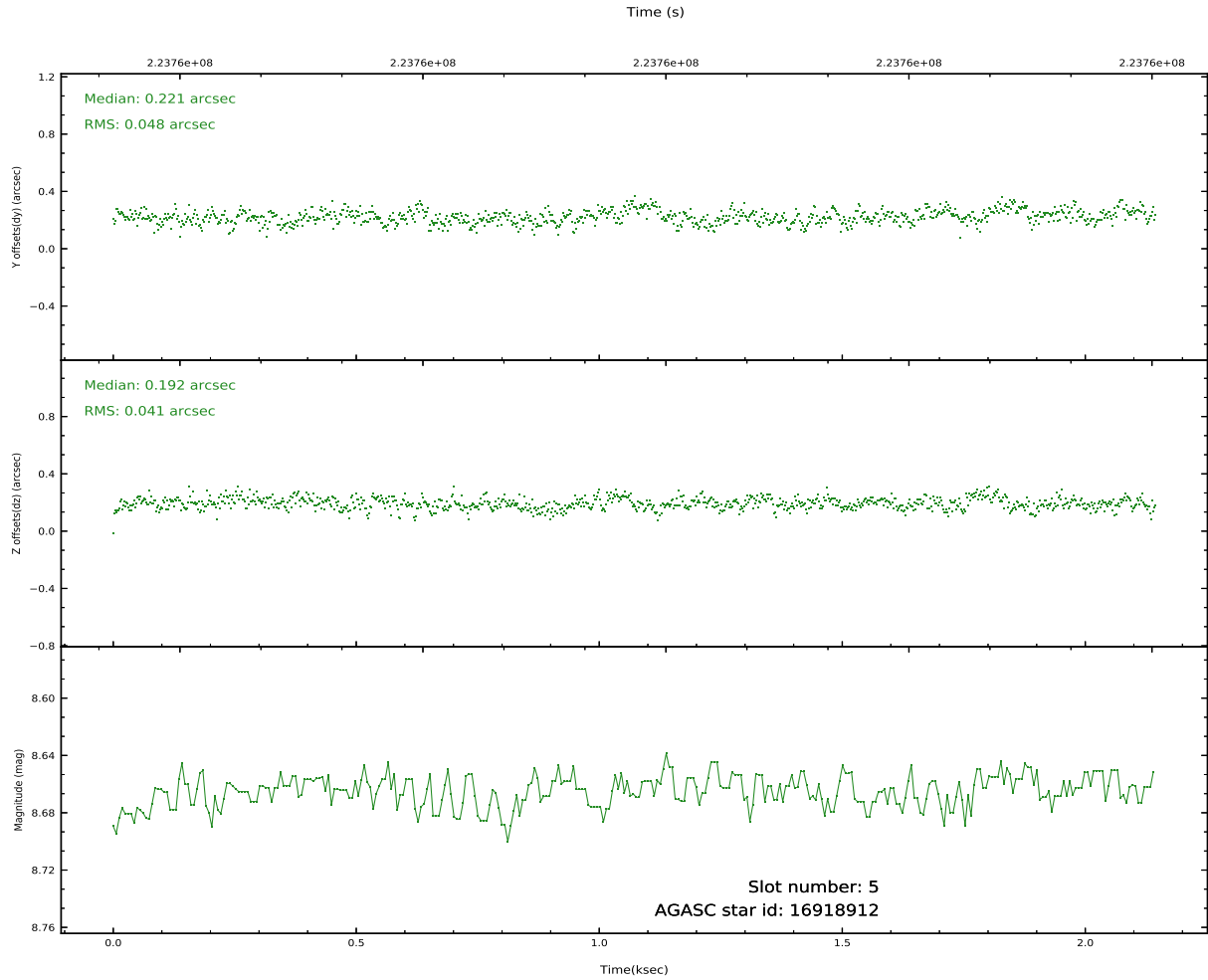
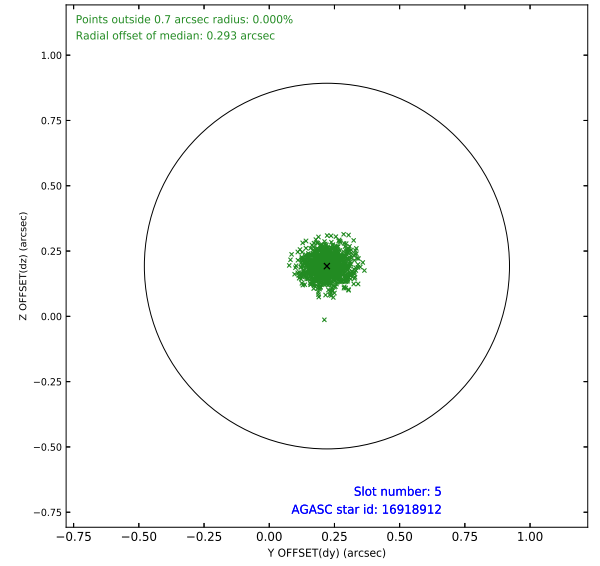
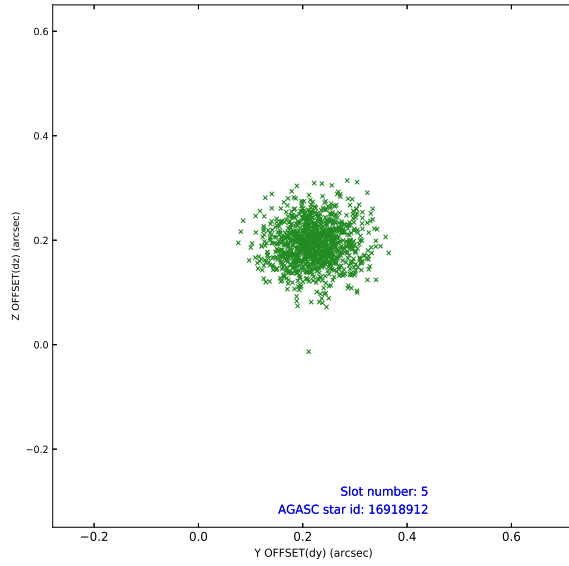
2.4.1 Slot 3



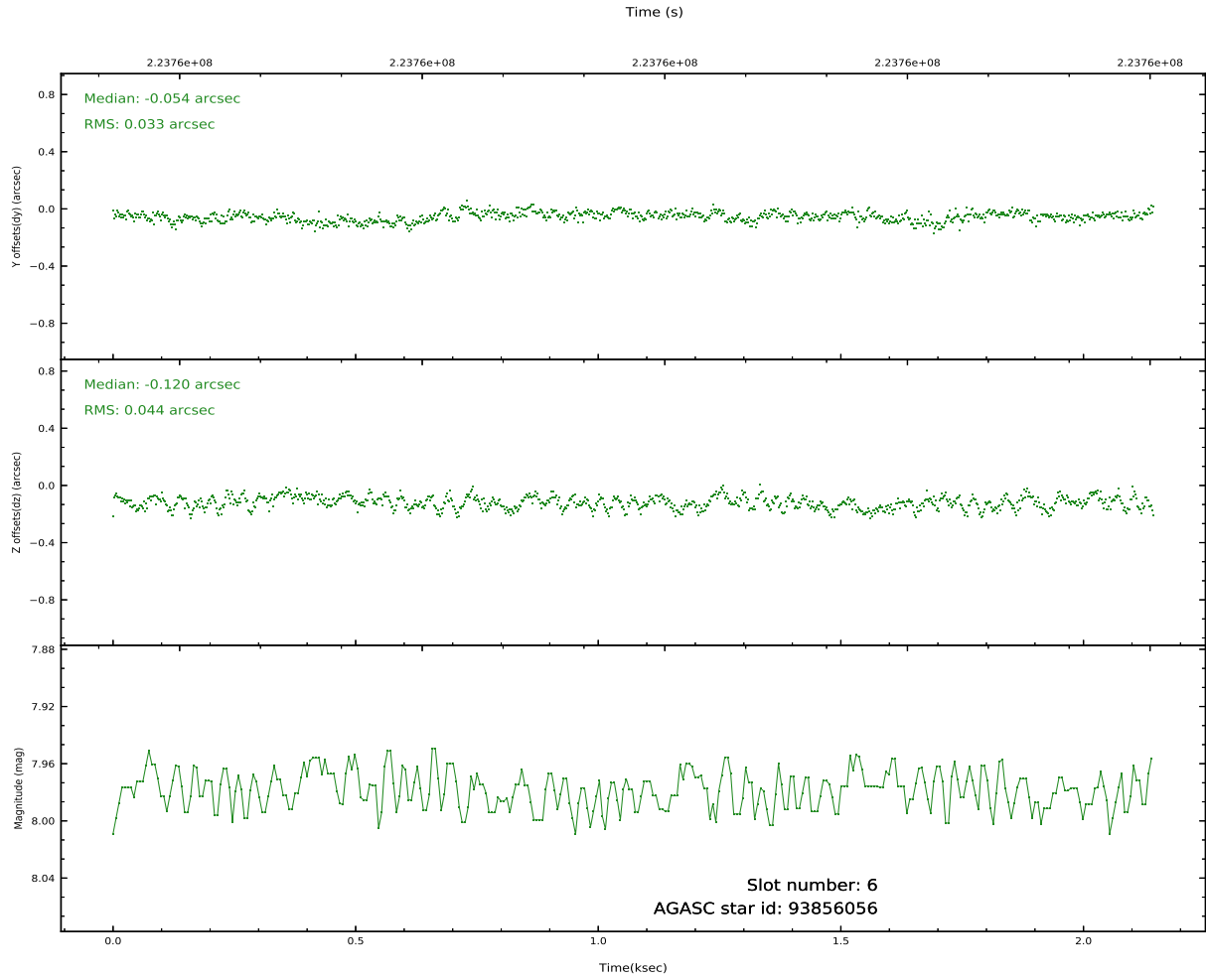
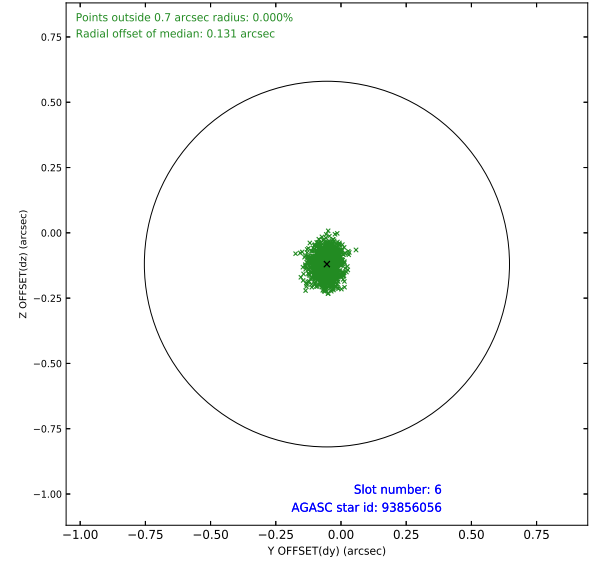
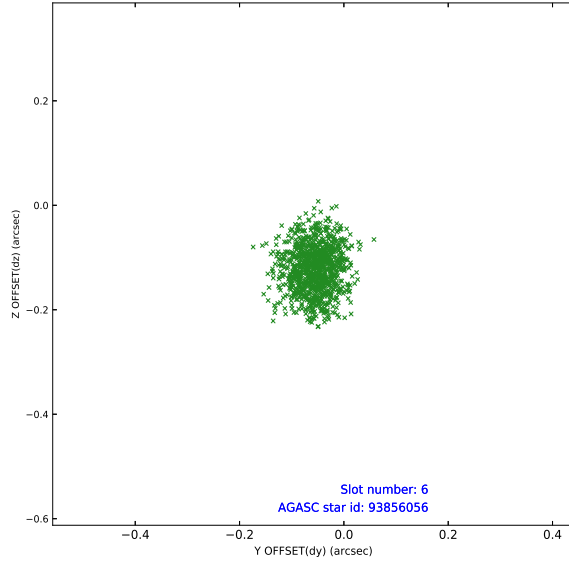
2.4.2 Slot 4



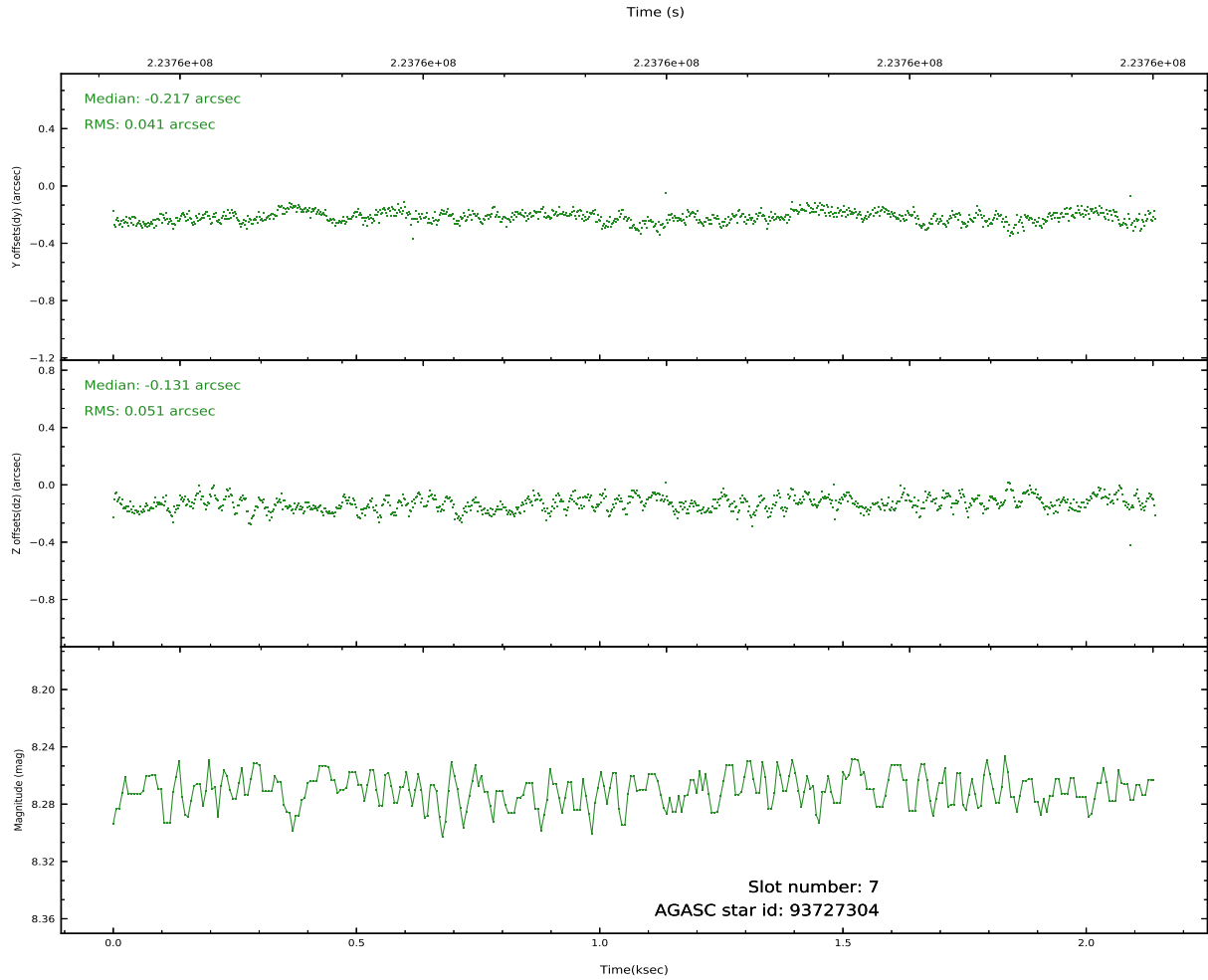
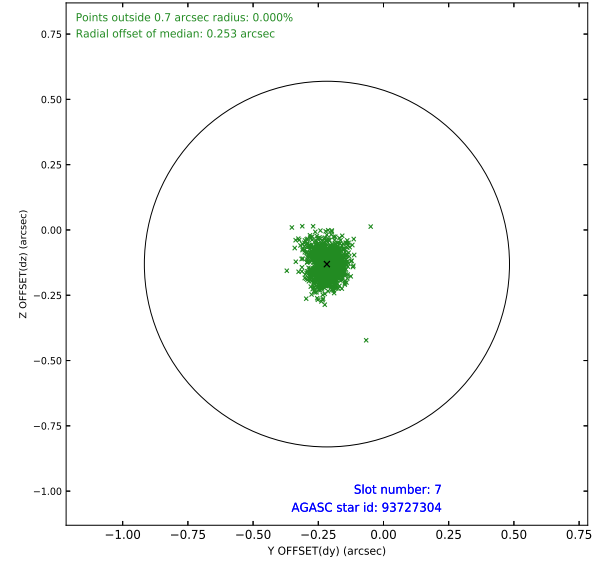
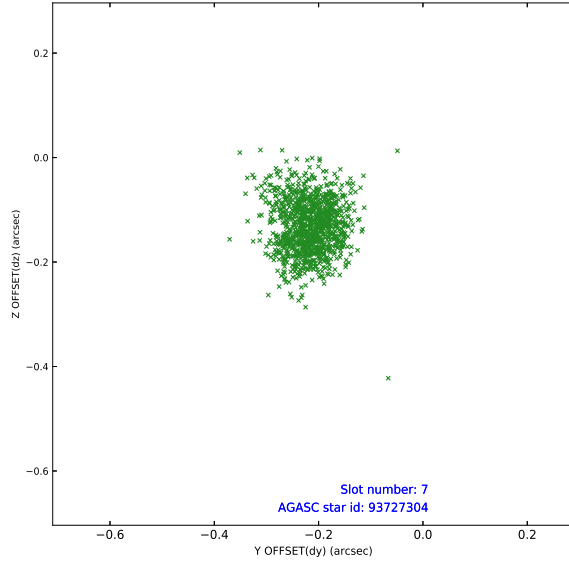
2.4.3 Slot 5



2.4.4 Slot 6

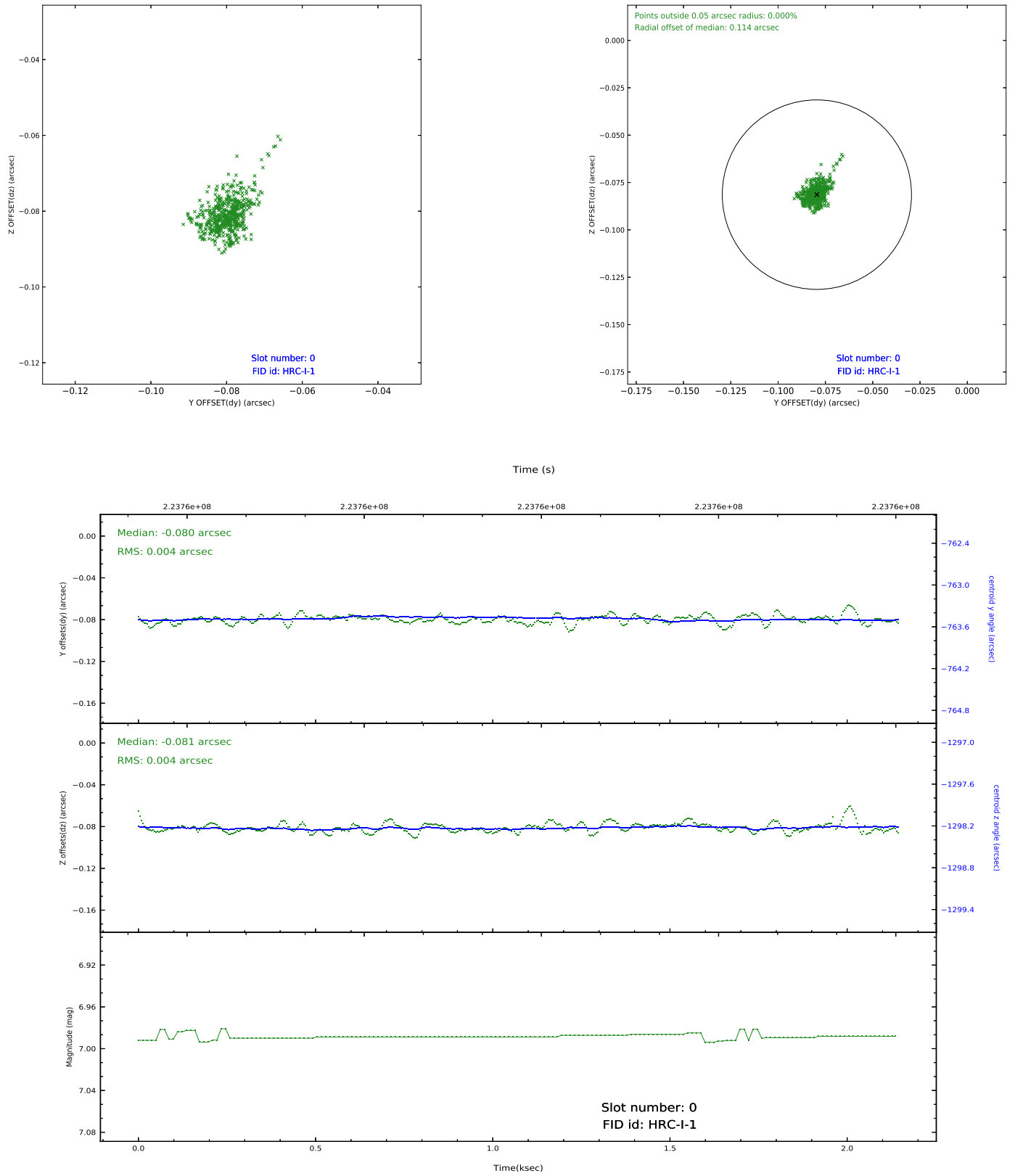


2.4.5 Slot 7

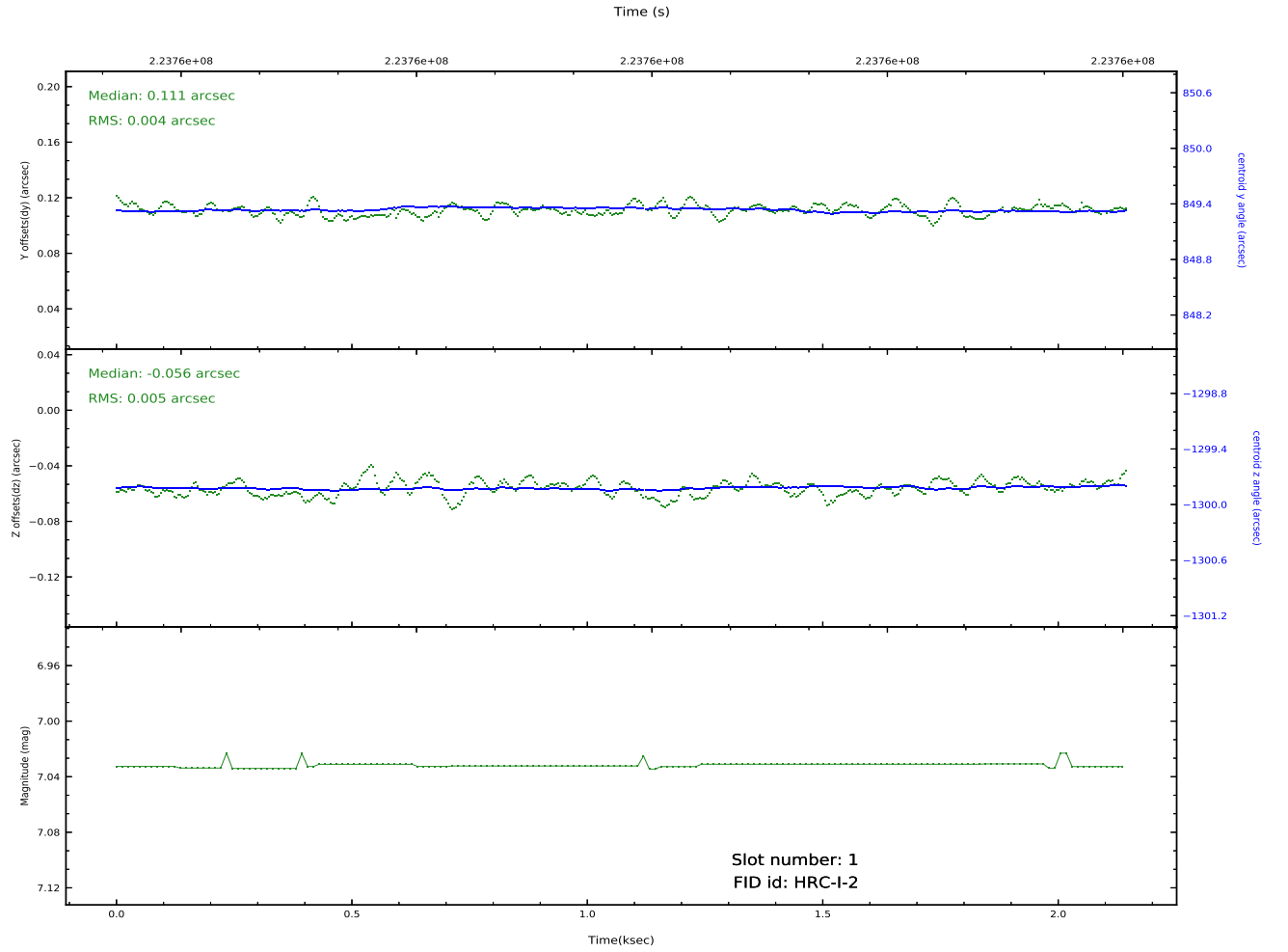
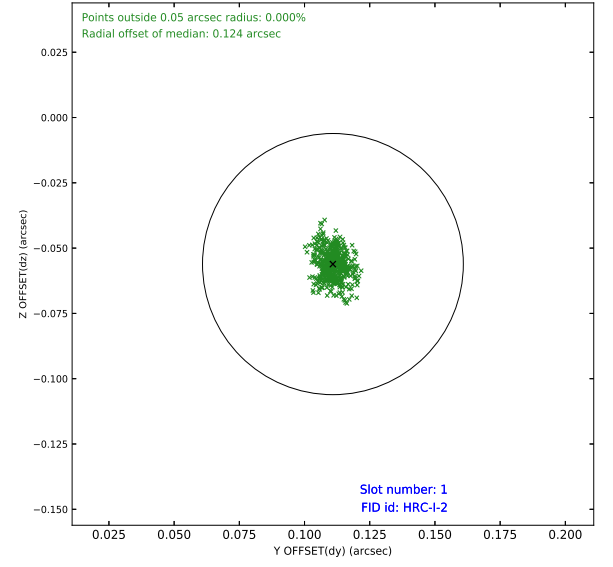
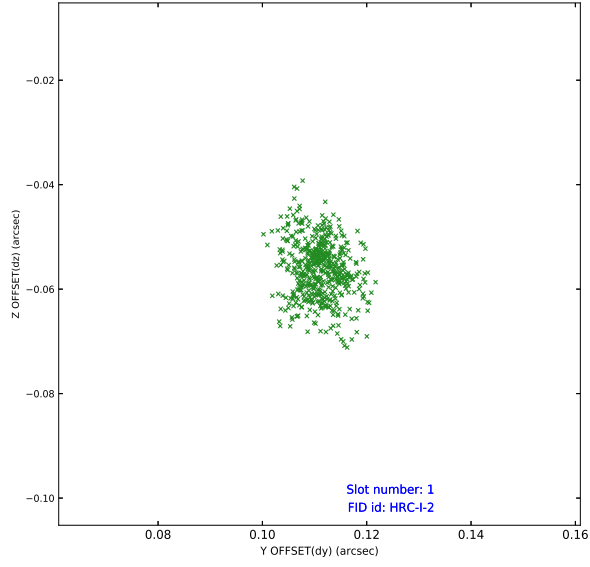


2.5 FID Slots

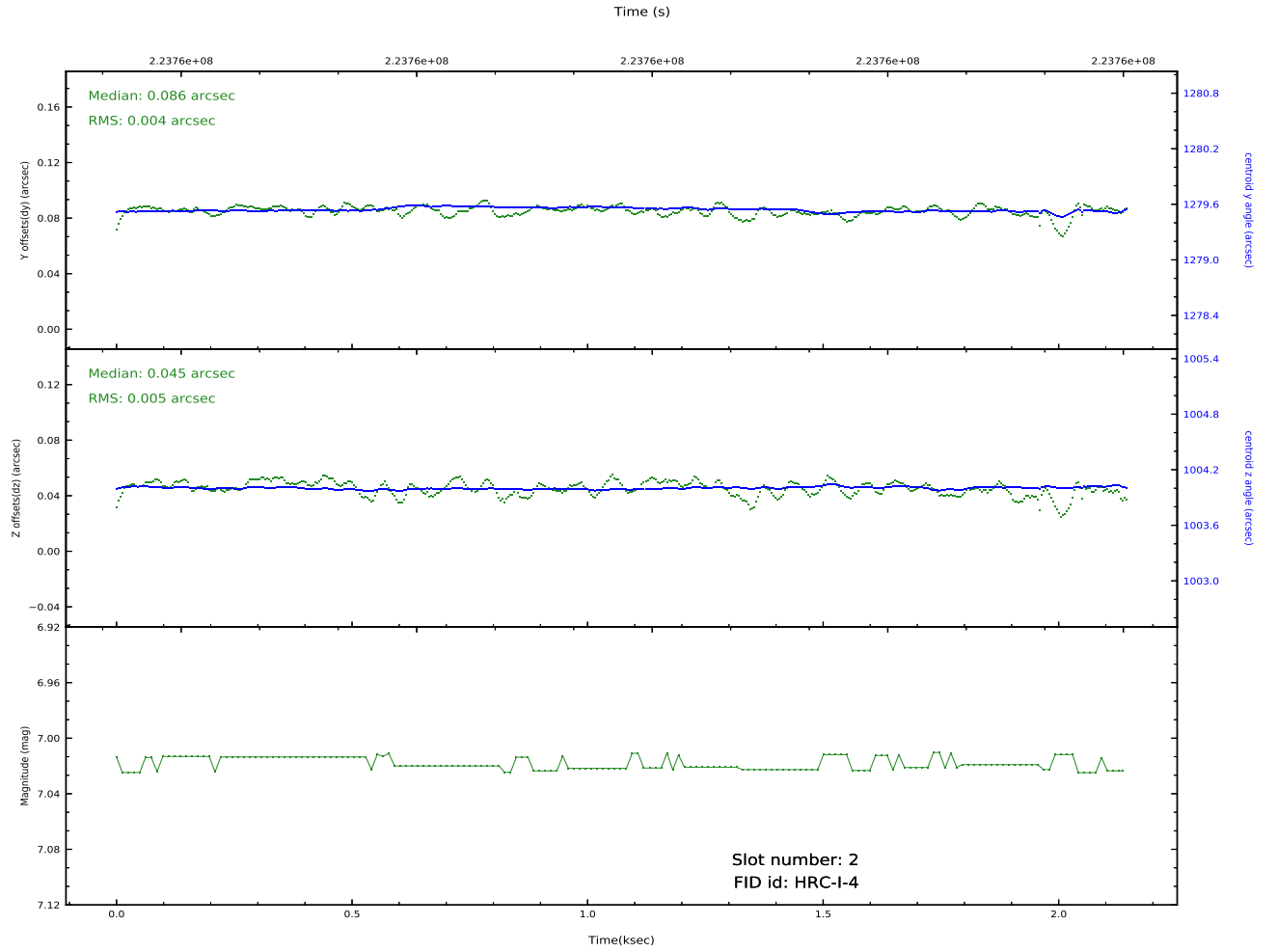
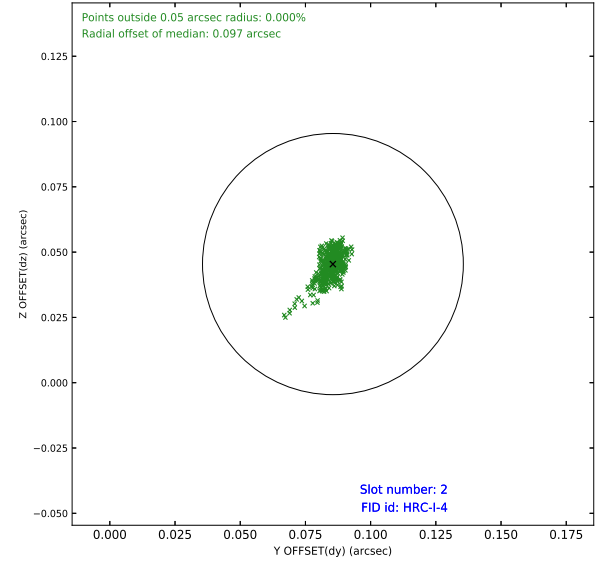
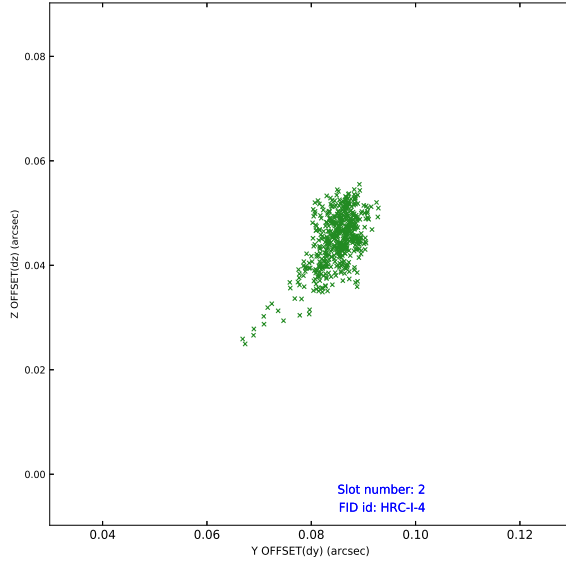
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.143531

A.2 Comments

Window constraint met.