

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5099 - L2 Version 4
Chandra X-Ray Center

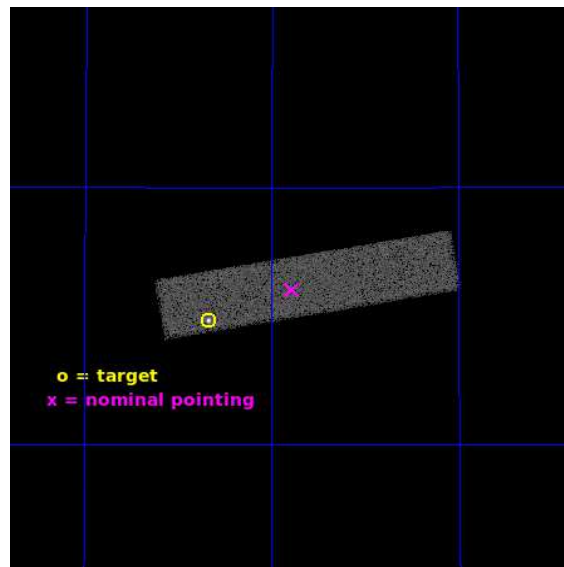
L2 Processing Date : Sep 23 2020

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1 Front

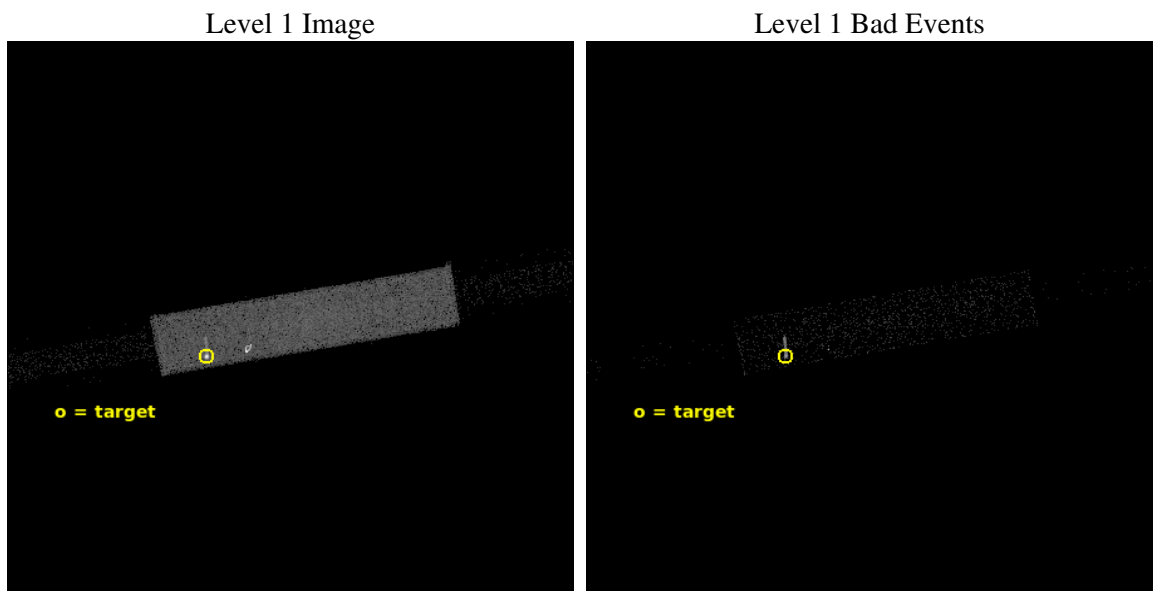
seq_num	290372	Sequence number
obs_id	5099	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.94585984523	Nominal RA [deg]
dec_nom	45.801929192344	Nominal Dec [deg]
roll_nom	349.9719928848	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1087.7812975943	[s]
livetime	1081.6951051667	Ontime multiplied by DTCOR
l2events	38160	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	946.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1087.7812975943	[s]
caldbver	4.9.2	 	l1events	72771	Number of level 1 events
date	2020-09-23T05:13:37	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

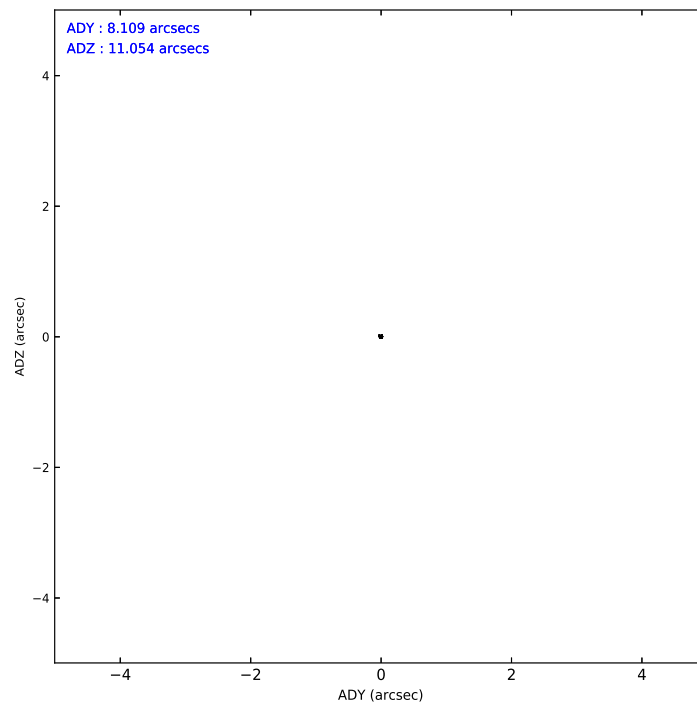
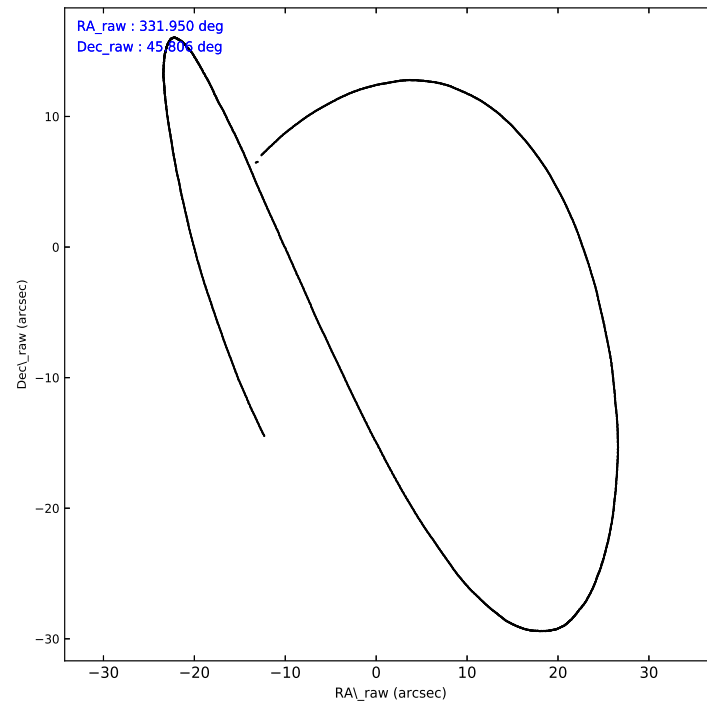
Level 1 Events

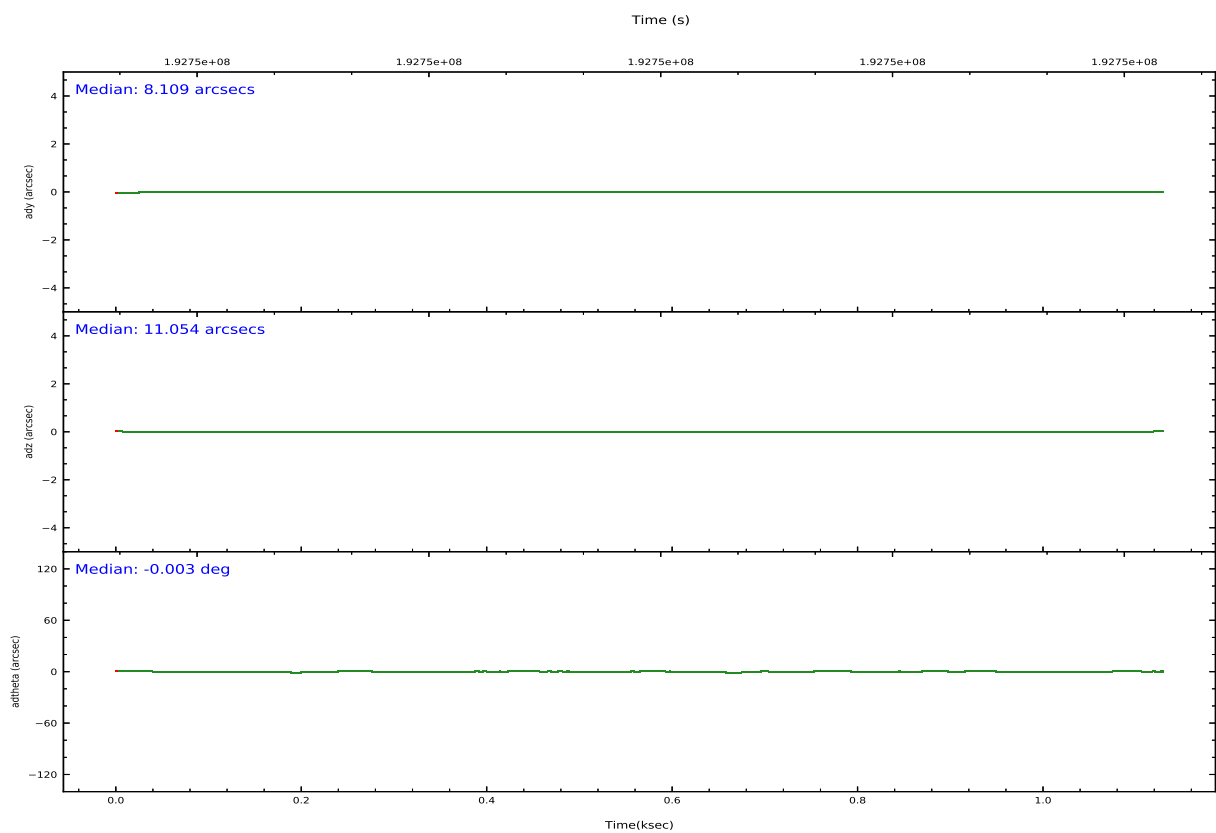
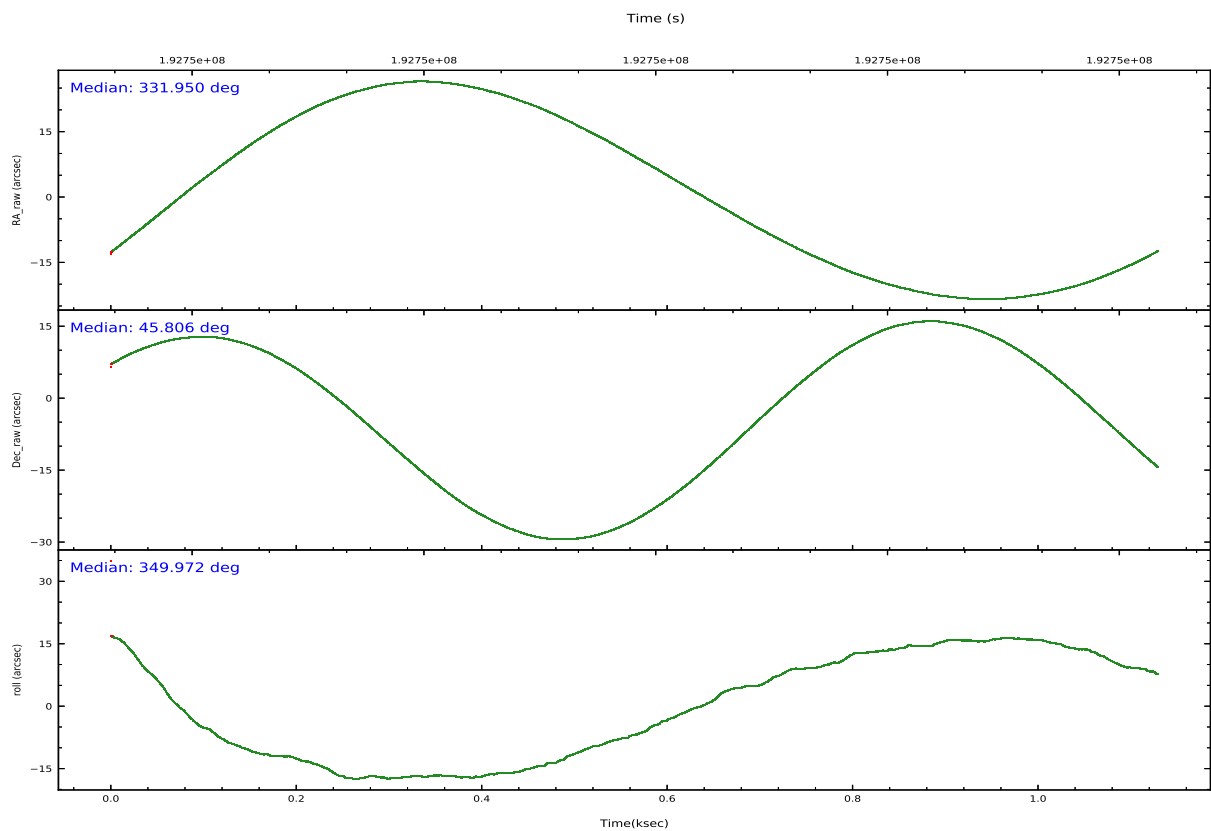
	segment 1	segment 2	segment 3
level 1 events	1099	70525	1147
rejected events	1099	15470	1147
rejected %	100%	21%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.912012	331.94585984523			
[deg] Pointing Dec	45.792494	45.801929192344			
[deg] Pointing Roll	349.936238	349.9719928848			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	192746097.184000	192745721.27315			
Observation start date	2004-02-09T20:33:53	2004-02-09T20:28:41			
[s] Observation end time (MET)	192747043.184000	192747176.77321			
Observation end date	2004-02-09T20:49:39	2004-02-09T20:52:56			

2.3 Aspect



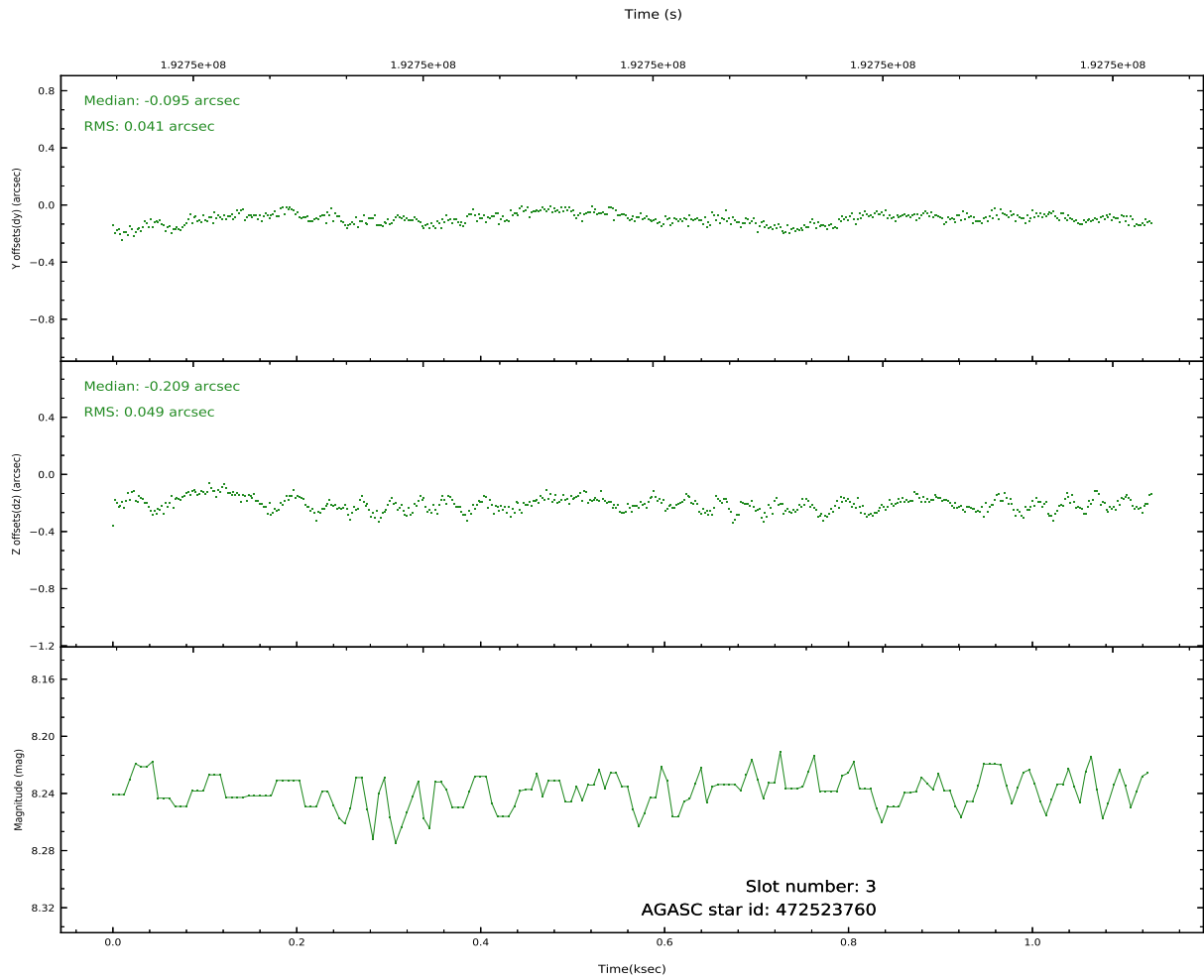
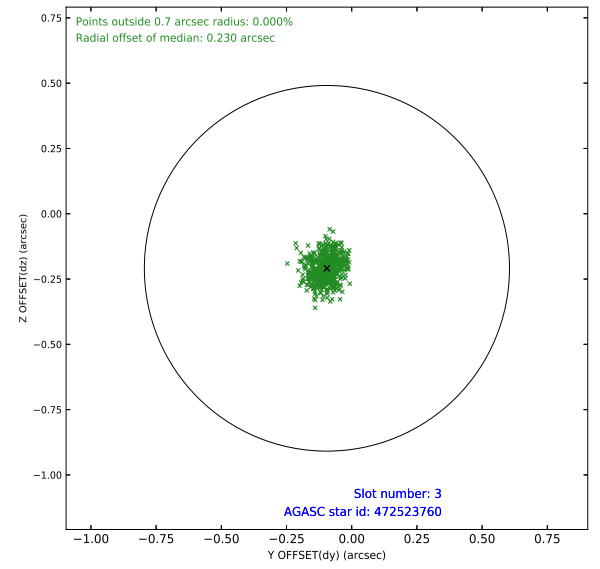
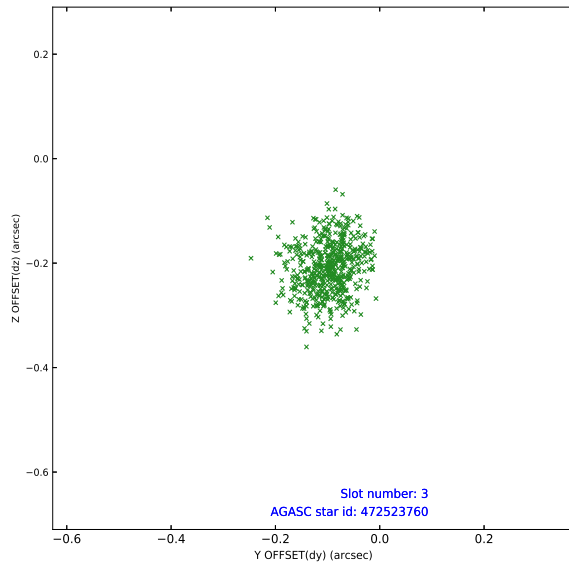


Slot Statistics

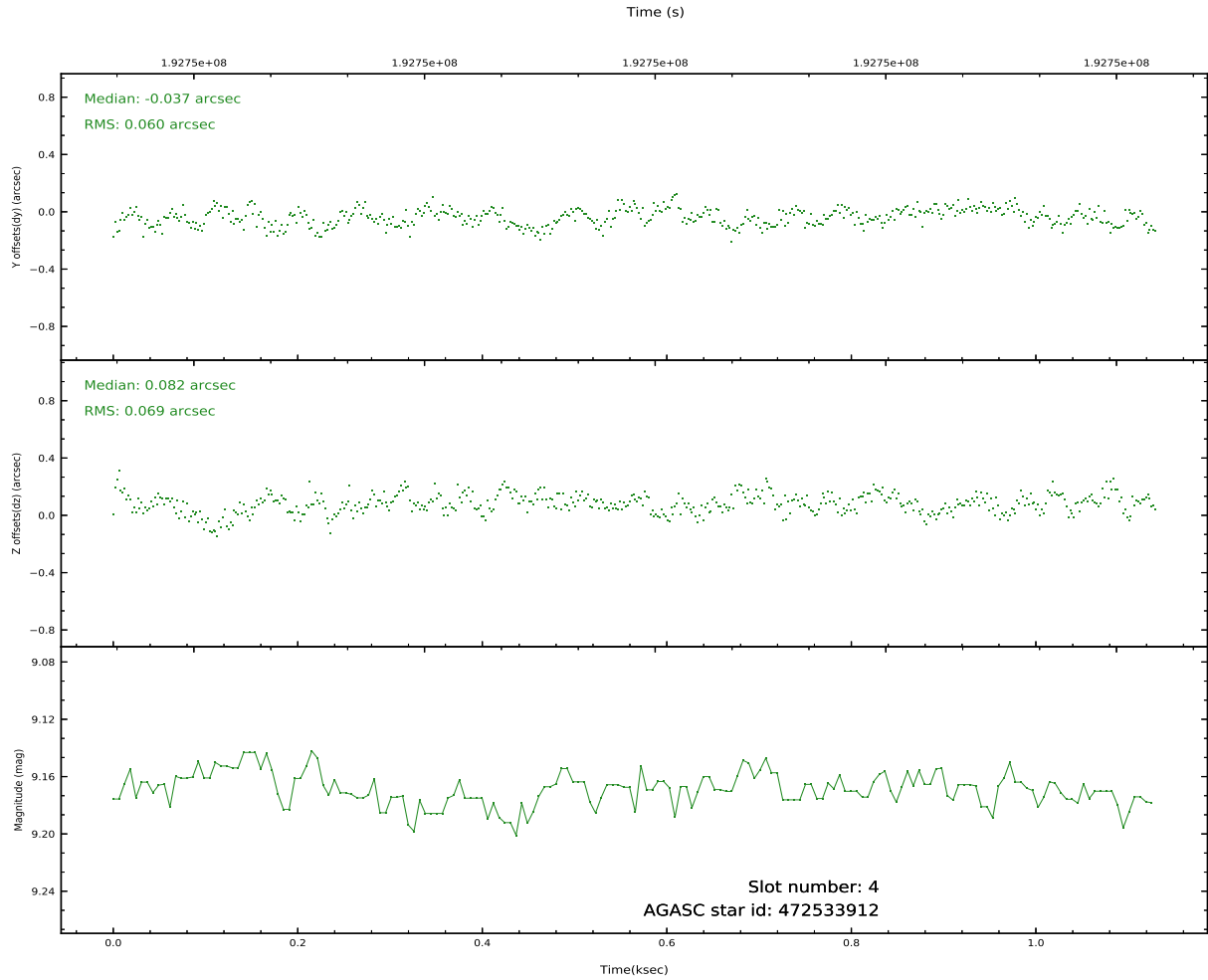
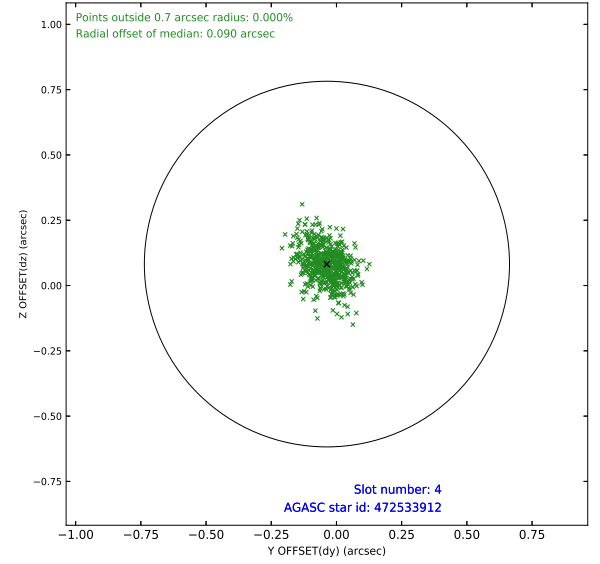
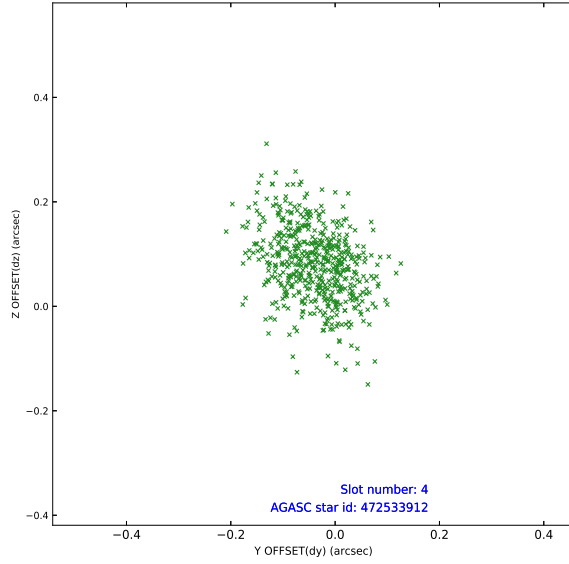
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.03	276	1.000	0.125	-0.178	0.006	0.010	0.000000	0.000000	-1162.29	-459
1	FID		HRC-S-2	7.02	276	1.000	0.162	-0.112	0.004	0.010	0.000000	0.000000	1233.22	-454
2	FID		HRC-S-3	7.03	276	1.000	0.103	-0.012	0.006	0.011	0.000000	0.000000	-1160.56	568
3	GUIDE	used	472523760	8.24	552	1.000	-0.095	-0.209	0.070	0.107	331.645363	45.403260	-418.19	-1500
4	GUIDE	used	472533912	9.17	552	1.000	-0.037	0.082	0.095	0.158	331.791136	46.368695	-658.56	1983
5	GUIDE	used	472655152	9.43	552	1.000	0.172	0.007	0.096	0.156	332.504239	45.862991	1416.16	514
6	GUIDE	used	472659832	9.46	551	1.000	0.007	0.123	0.107	0.172	332.780399	46.098139	1943.19	1471
7	GUIDE	used	472654568	9.44	550	1.000	-0.042	0.002	0.120	0.182	332.194449	45.063576	1170.08	-2457

2.4 Star Slots

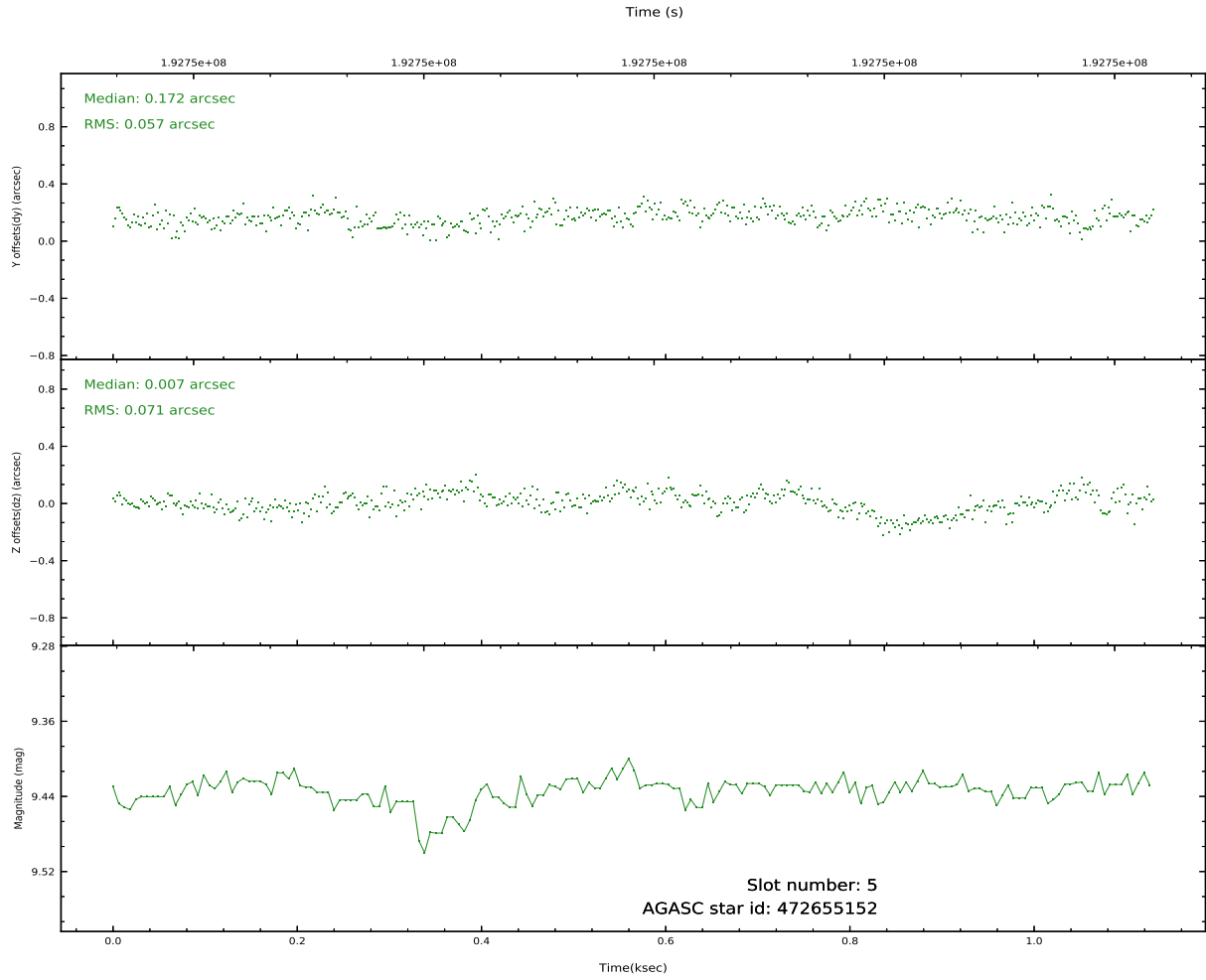
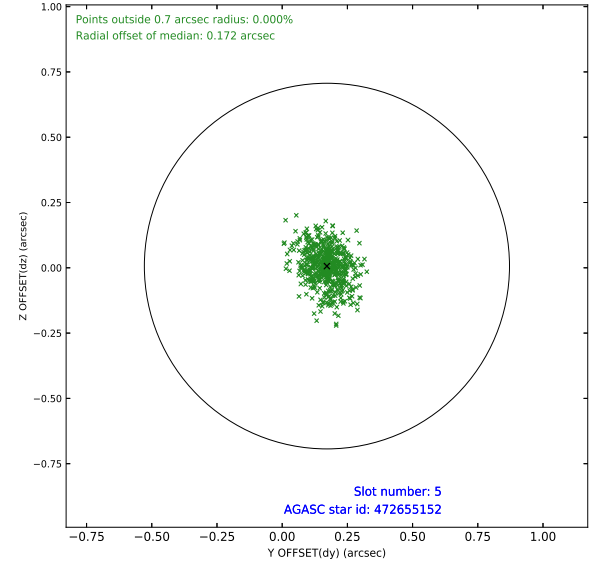
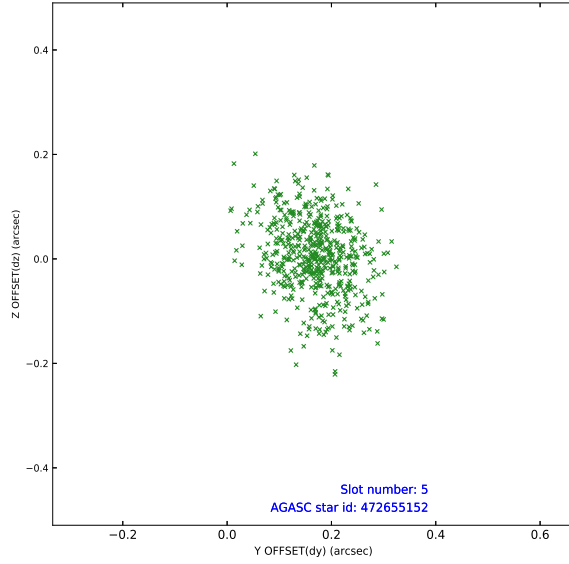
2.4.1 Slot 3



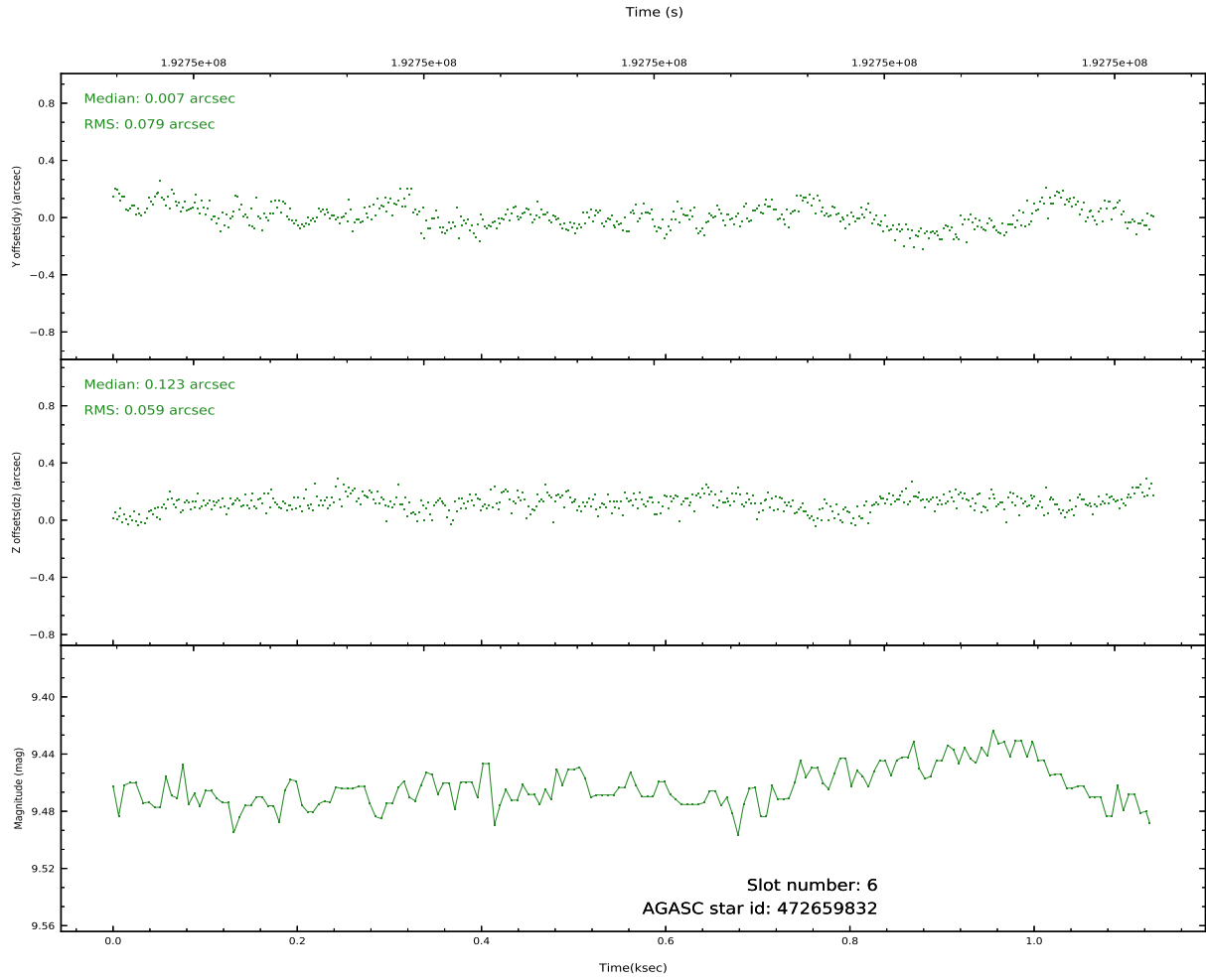
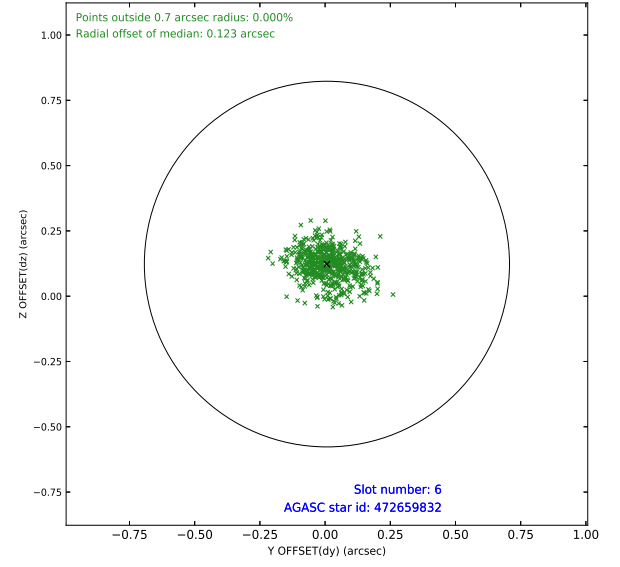
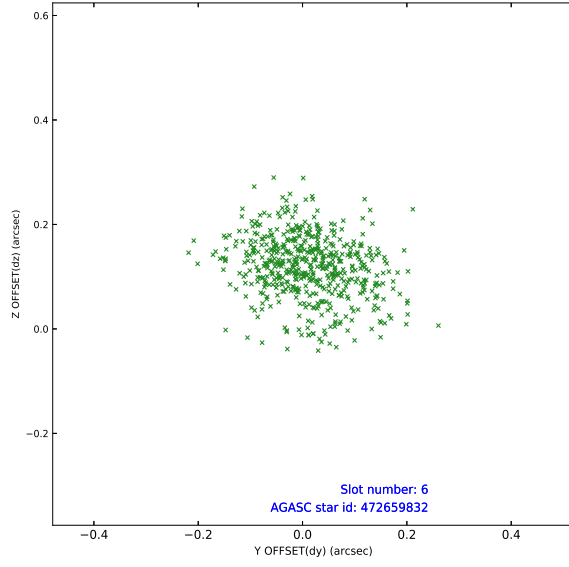
2.4.2 Slot 4



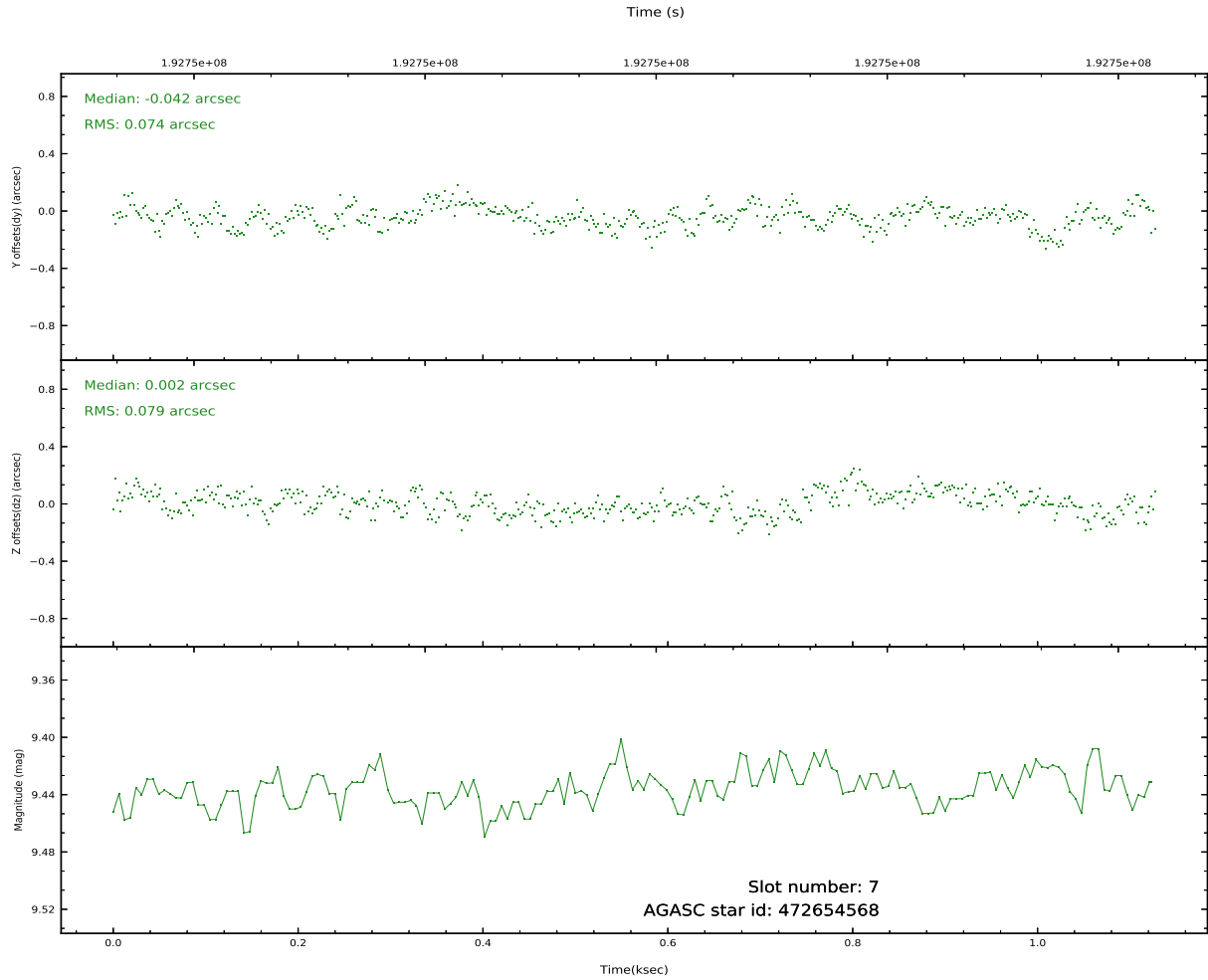
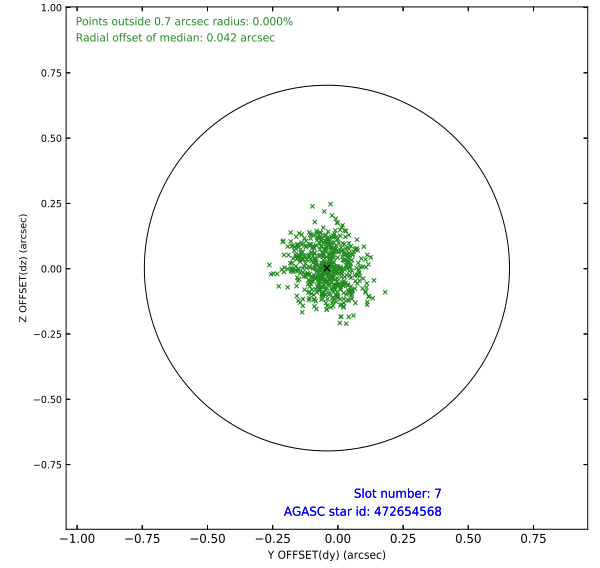
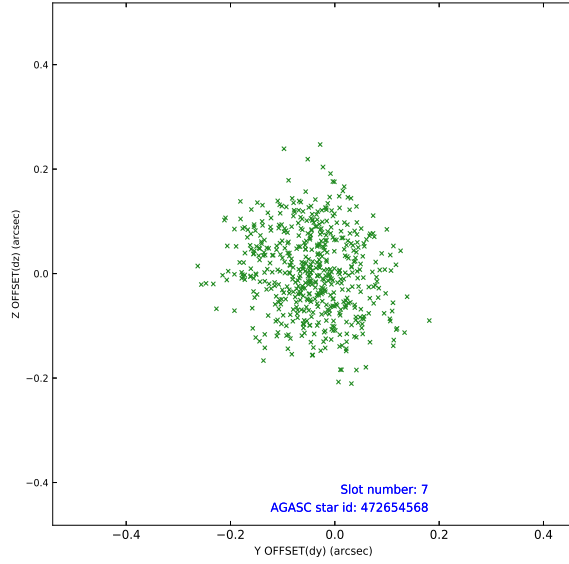
2.4.3 Slot 5



2.4.4 Slot 6

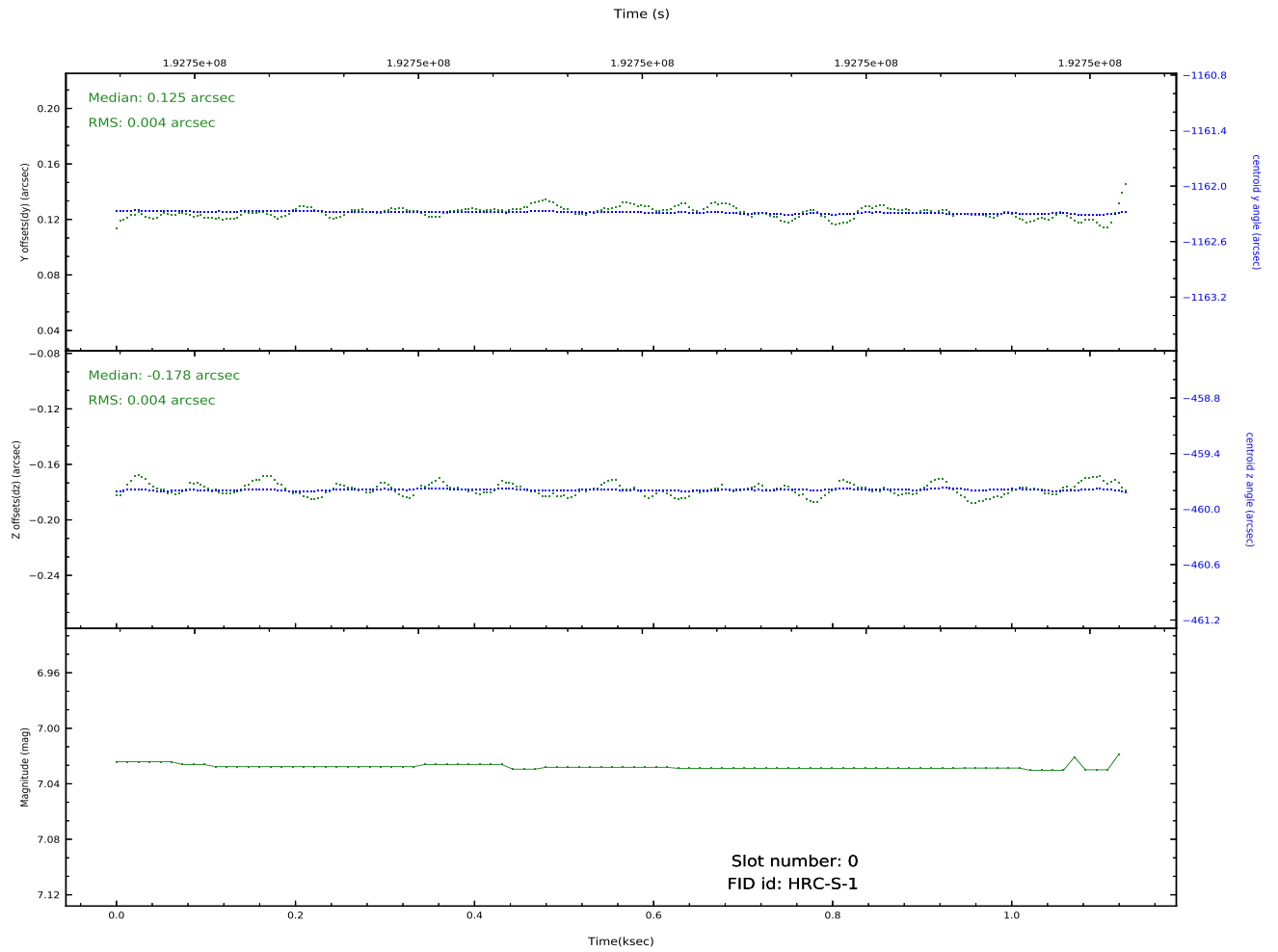
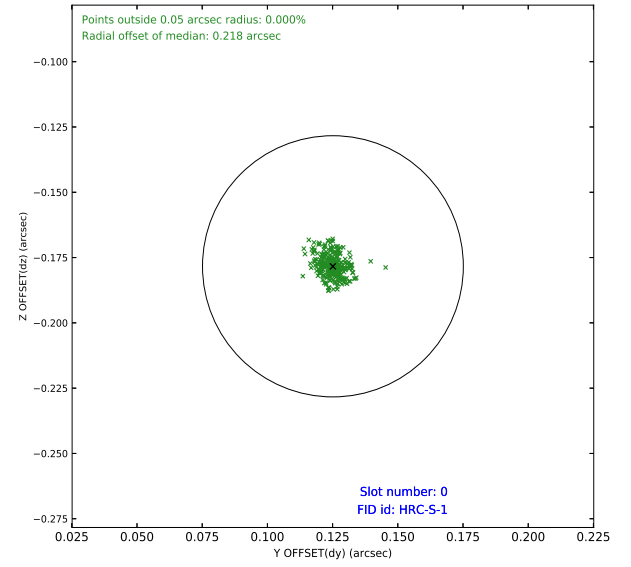
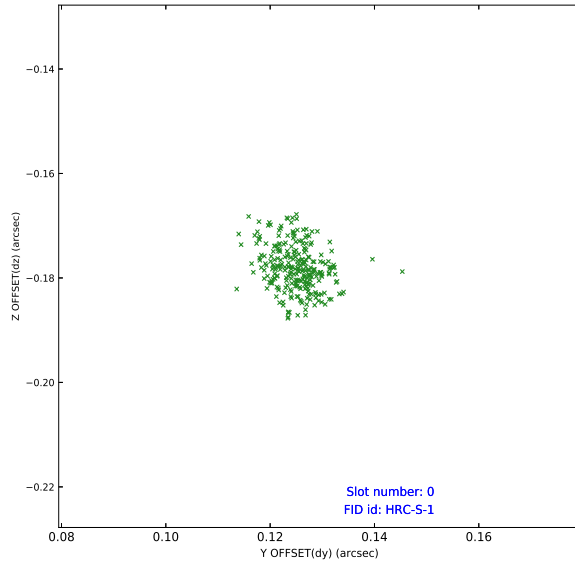


2.4.5 Slot 7

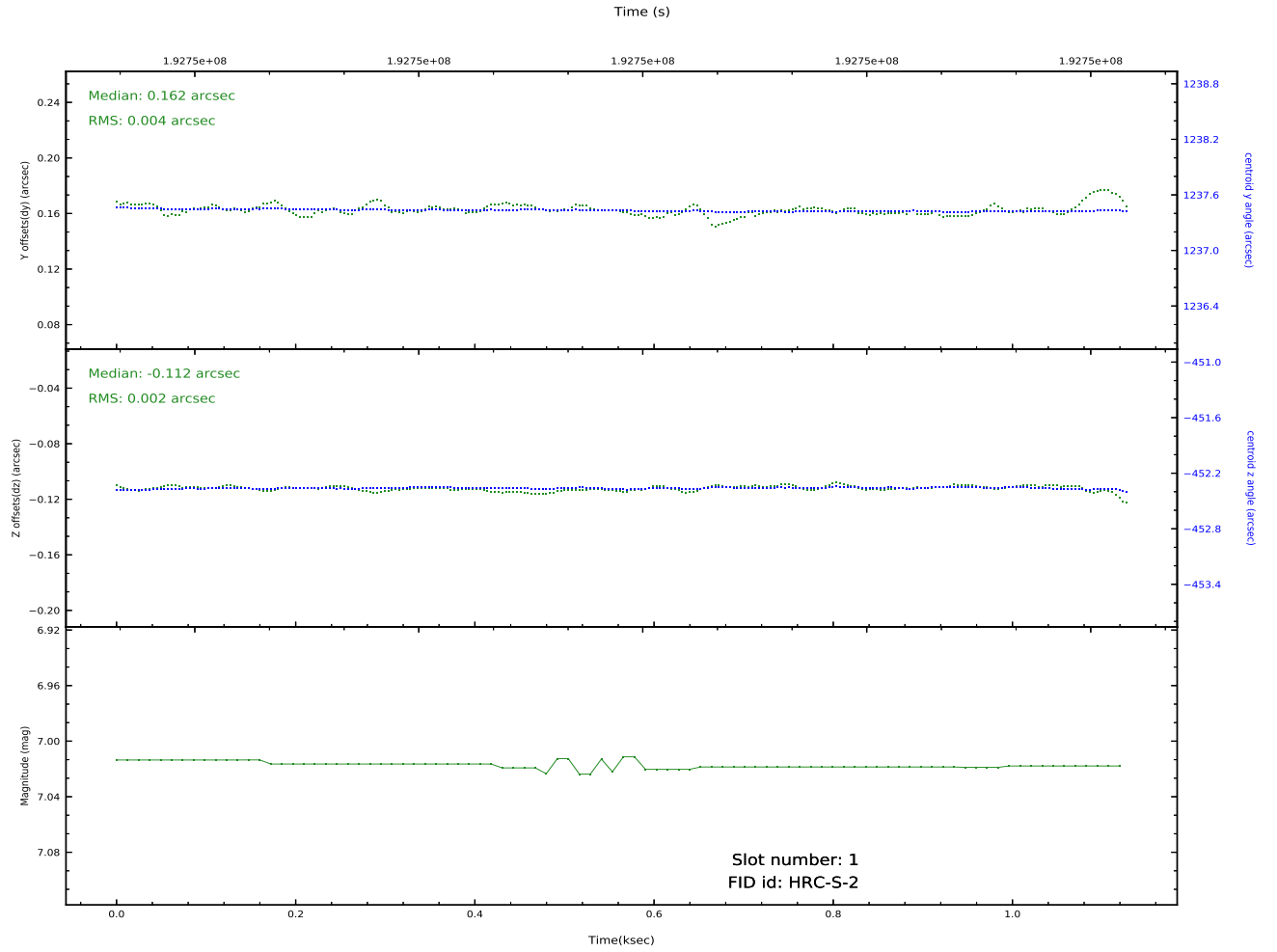
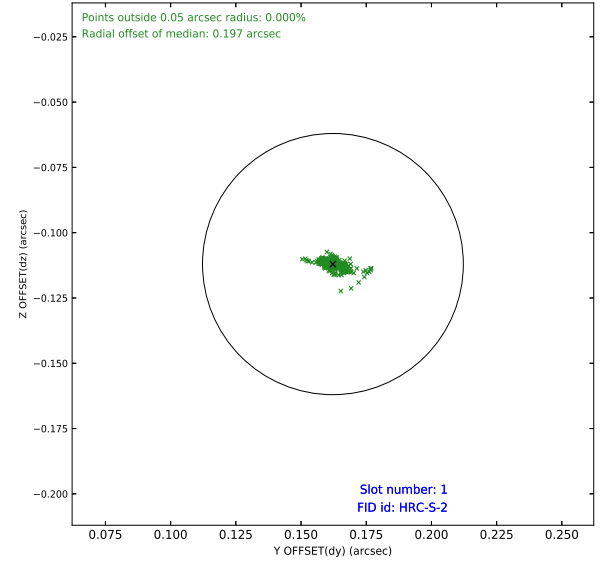
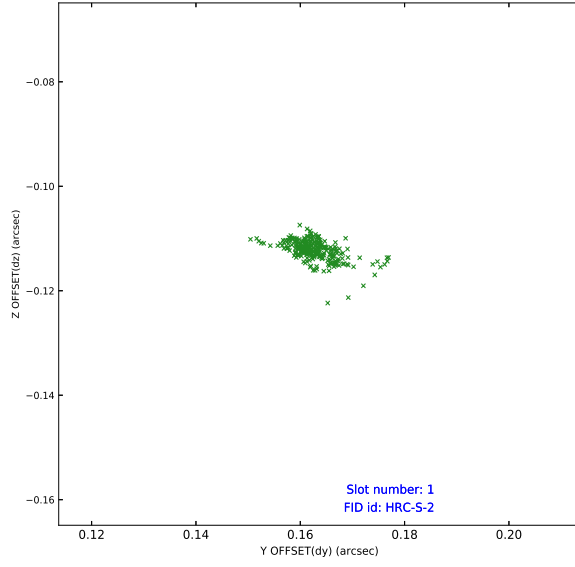


2.5 FID Slots

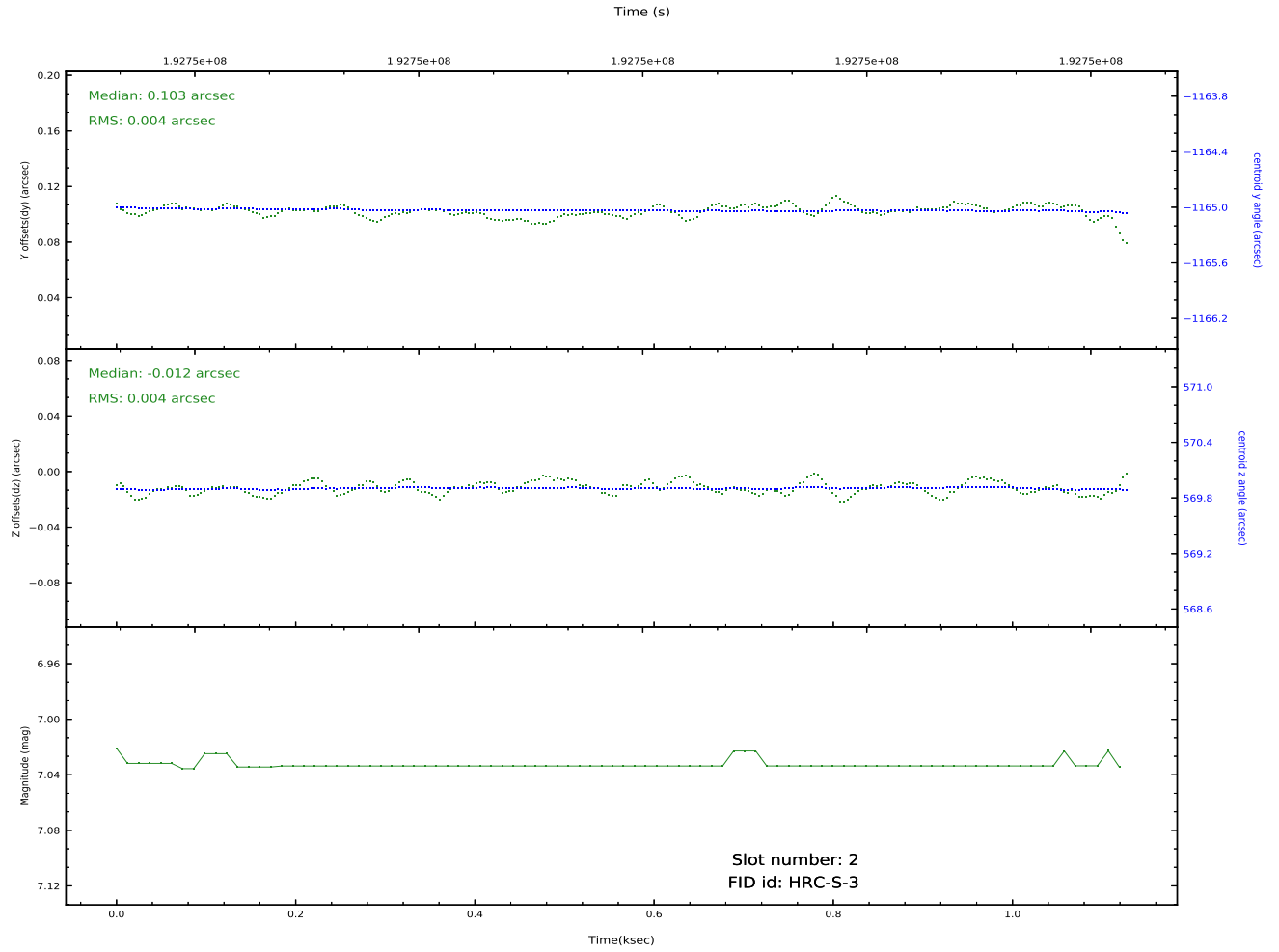
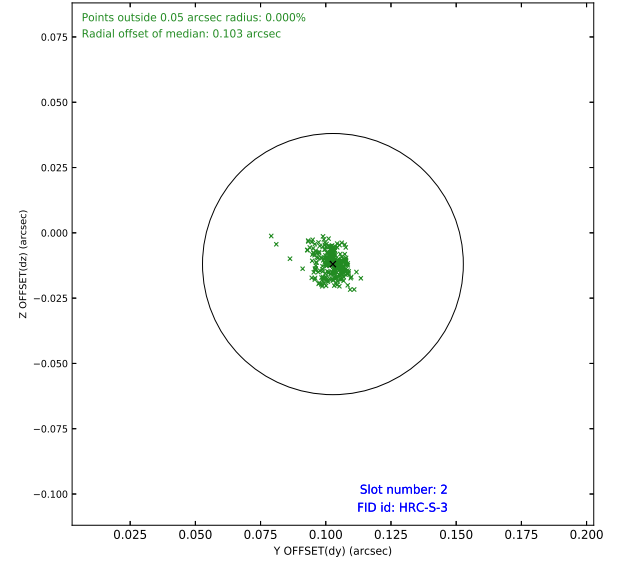
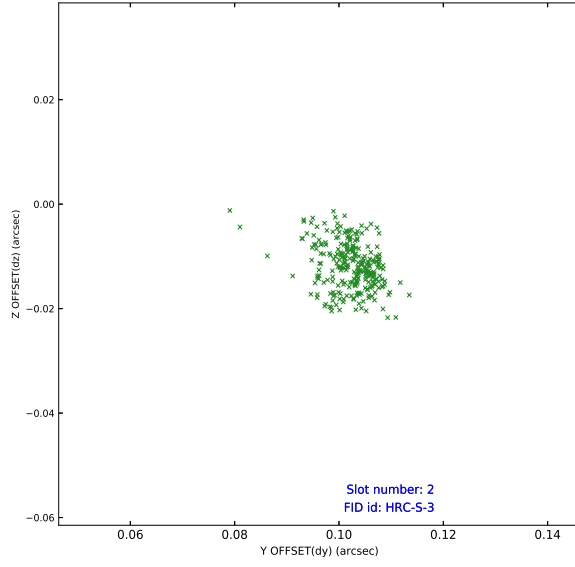
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

A.2 Comments