

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5098 - L2 Version 4
Chandra X-Ray Center

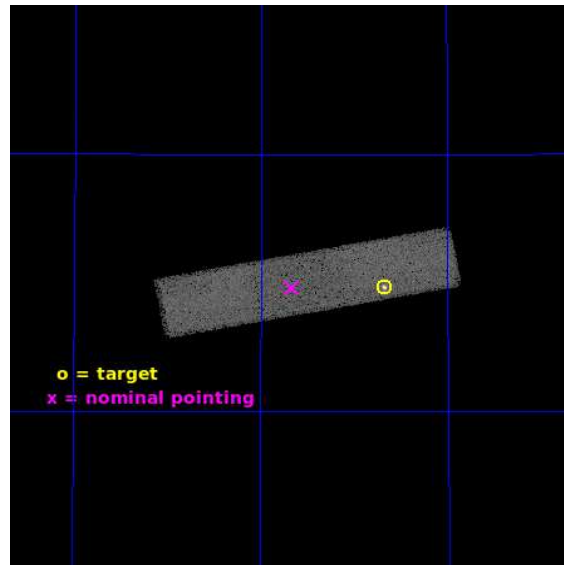
L2 Processing Date : Sep 23 2020

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1 Front

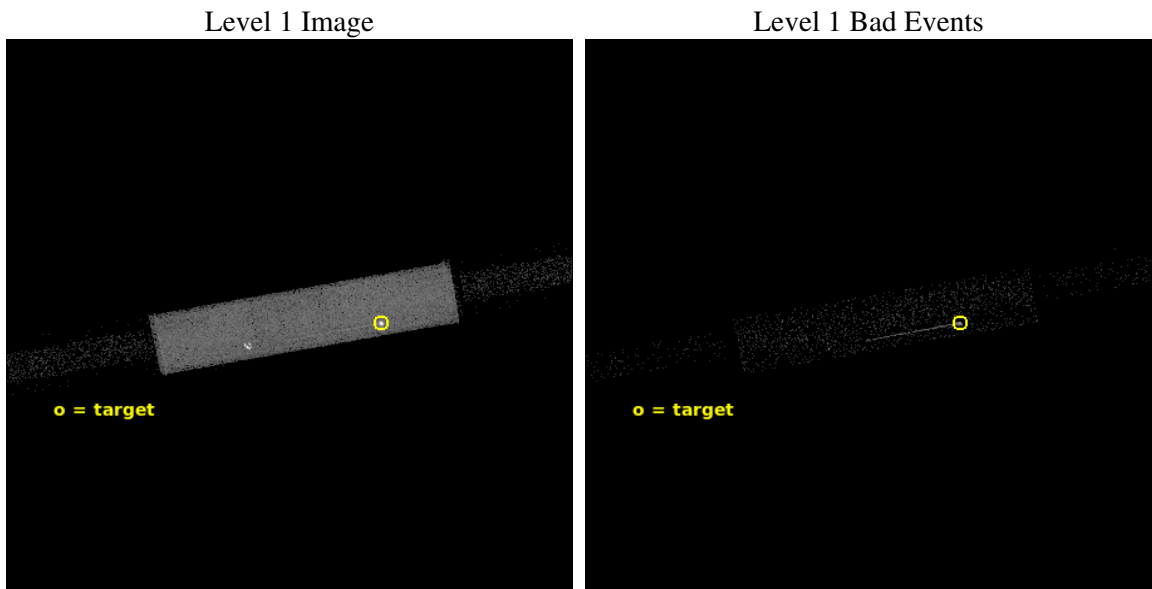
seq_num	290371	Sequence number
obs_id	5098	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.41600026452	Nominal RA [deg]
dec_nom	45.741341094451	Nominal Dec [deg]
roll_nom	349.43494479312	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1088.8062976301	[s]
livetime	1080.4933321209	Ontime multiplied by DTCOR
l2events	56721	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	1088.8062976301	[s]
caldbver	4.9.2	 	l1events	98176	Number of level 1 events
date	2020-09-23T05:13:35	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

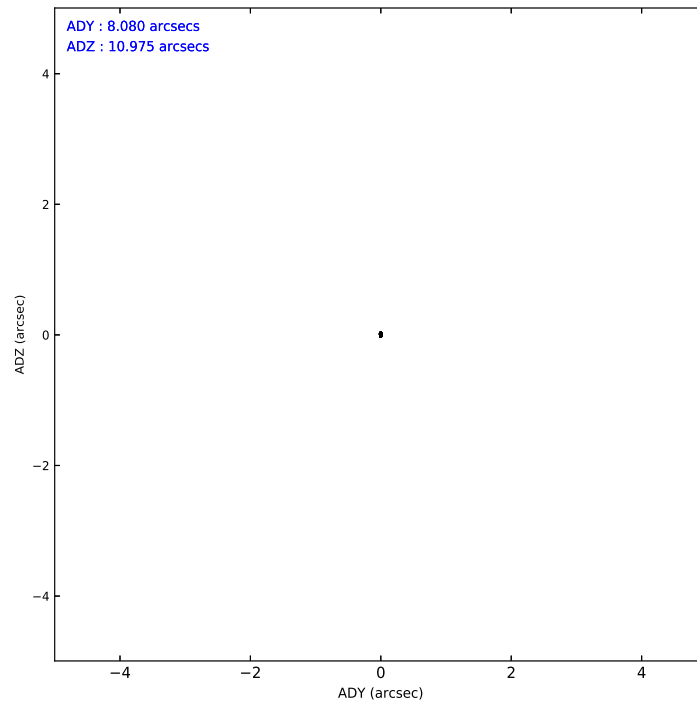
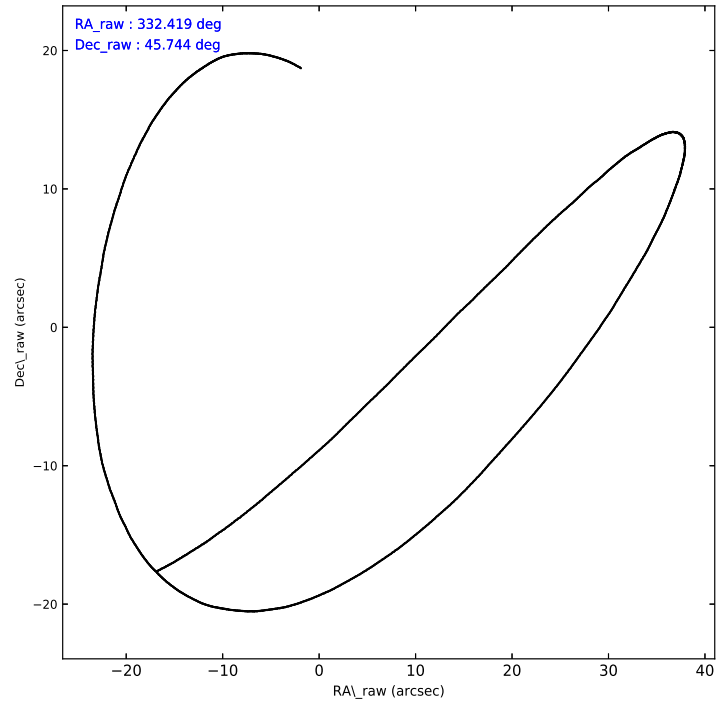
Level 1 Events

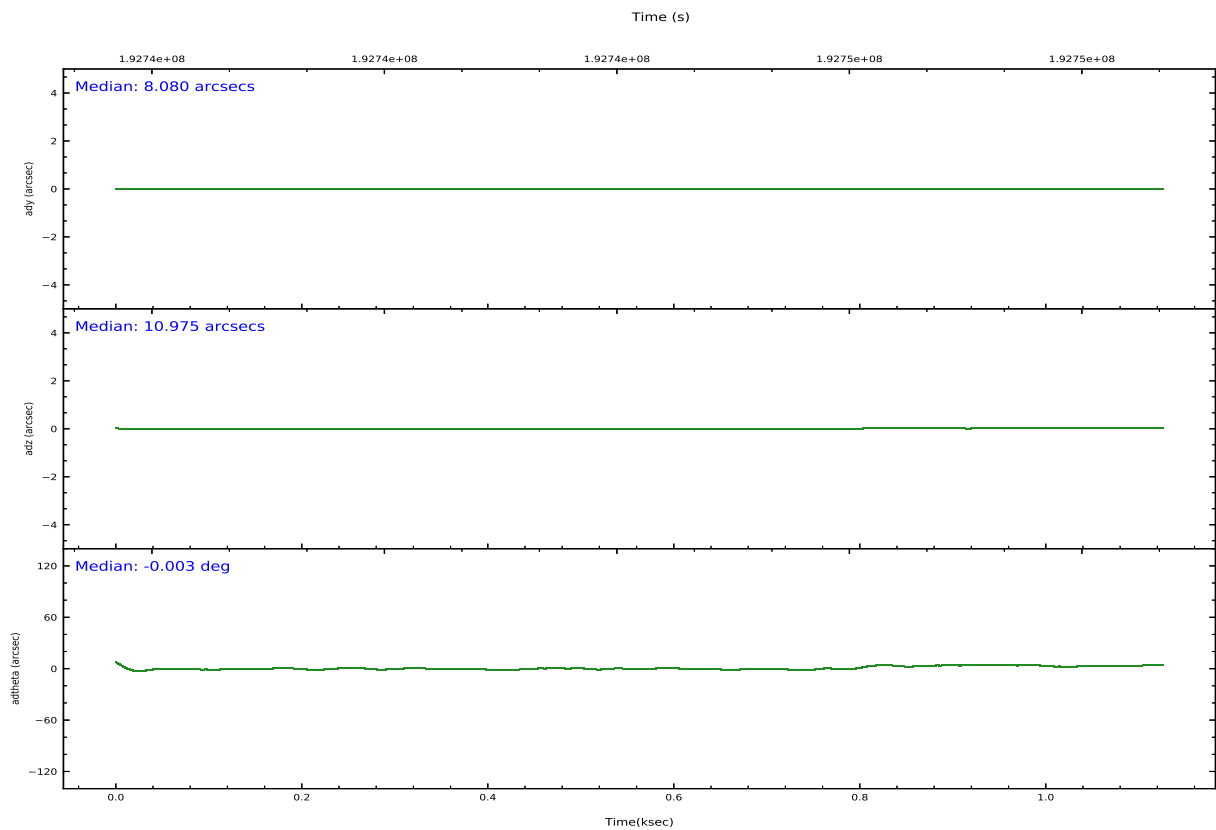
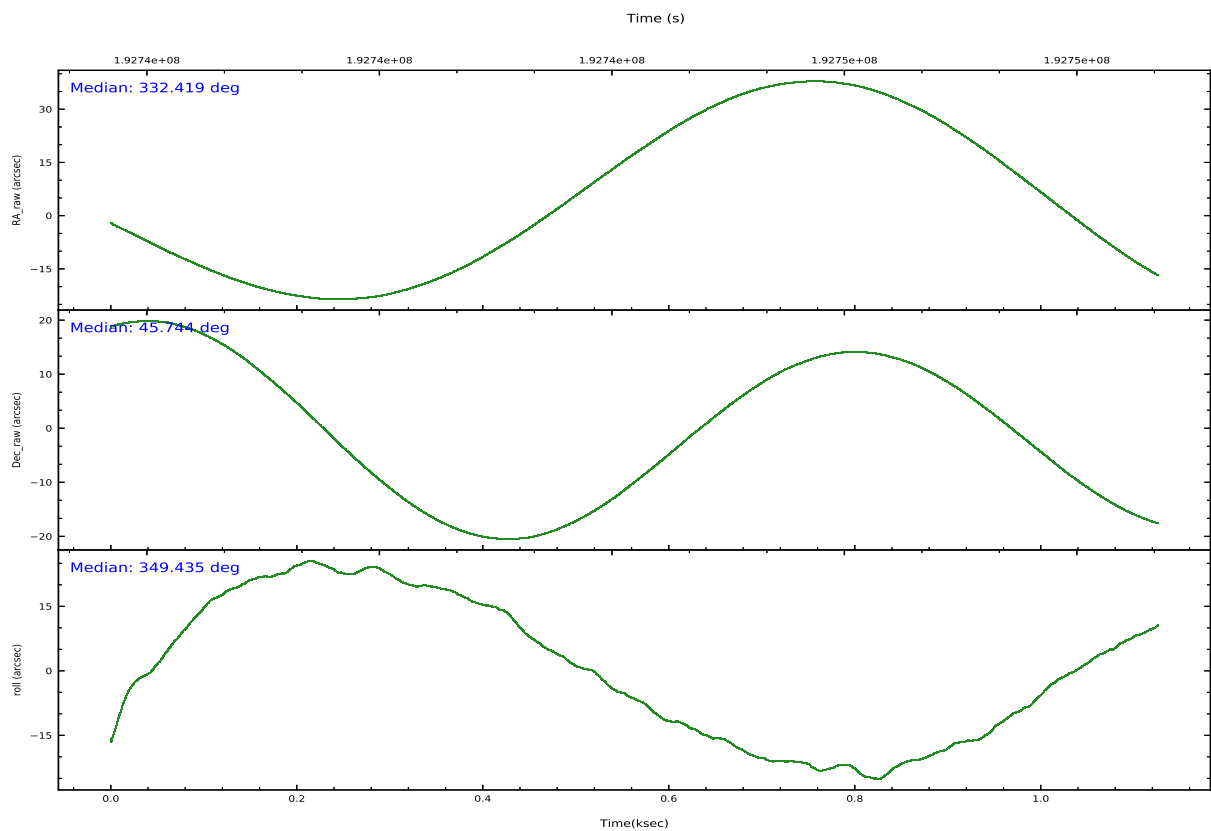
	segment 1	segment 2	segment 3
level 1 events	2985	92499	2692
rejected events	2985	21505	2692
rejected %	100%	23%	100%

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	332.382177	332.41600026452			
[deg] Pointing Dec	45.732761	45.741341094451			
[deg] Pointing Roll	349.397785	349.43494479312			
[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)	192744641.184000	192744264.74808			
Observation start date	2004-02-09T20:09:37	2004-02-09T20:04:24			
[s] Observation end time (MET)	192745587.184000	192745721.27315			
Observation end date	2004-02-09T20:25:23	2004-02-09T20:28:41			

2.3 Aspect



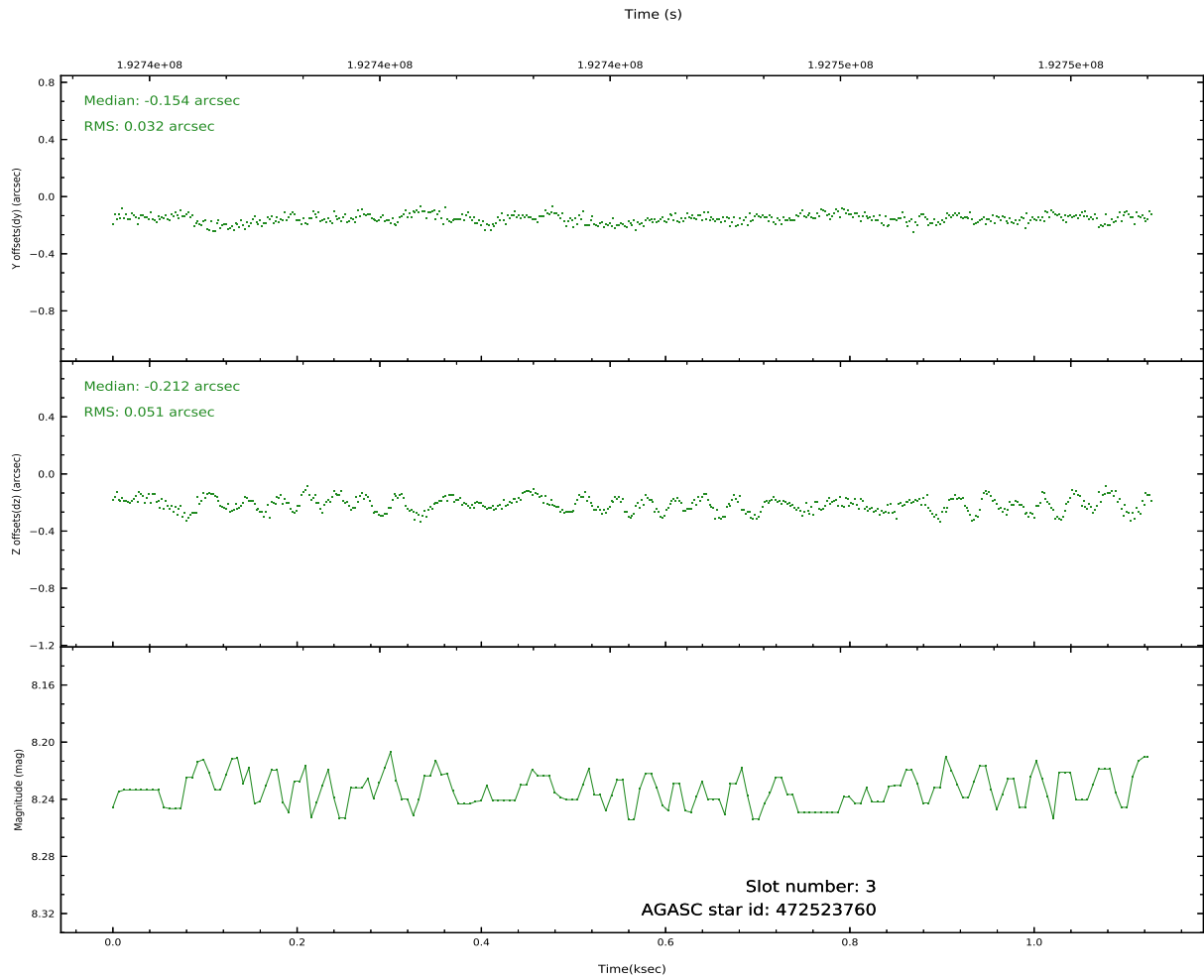
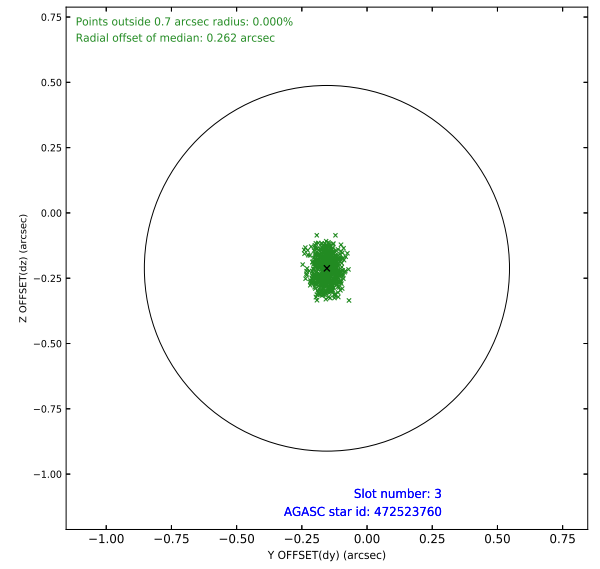
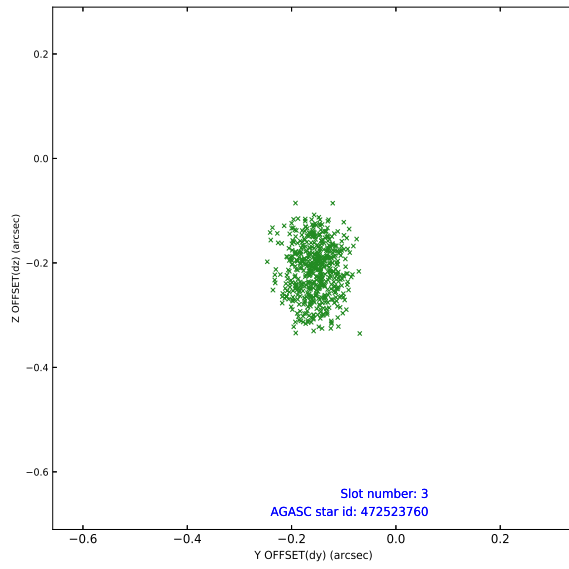


Slot Statistics

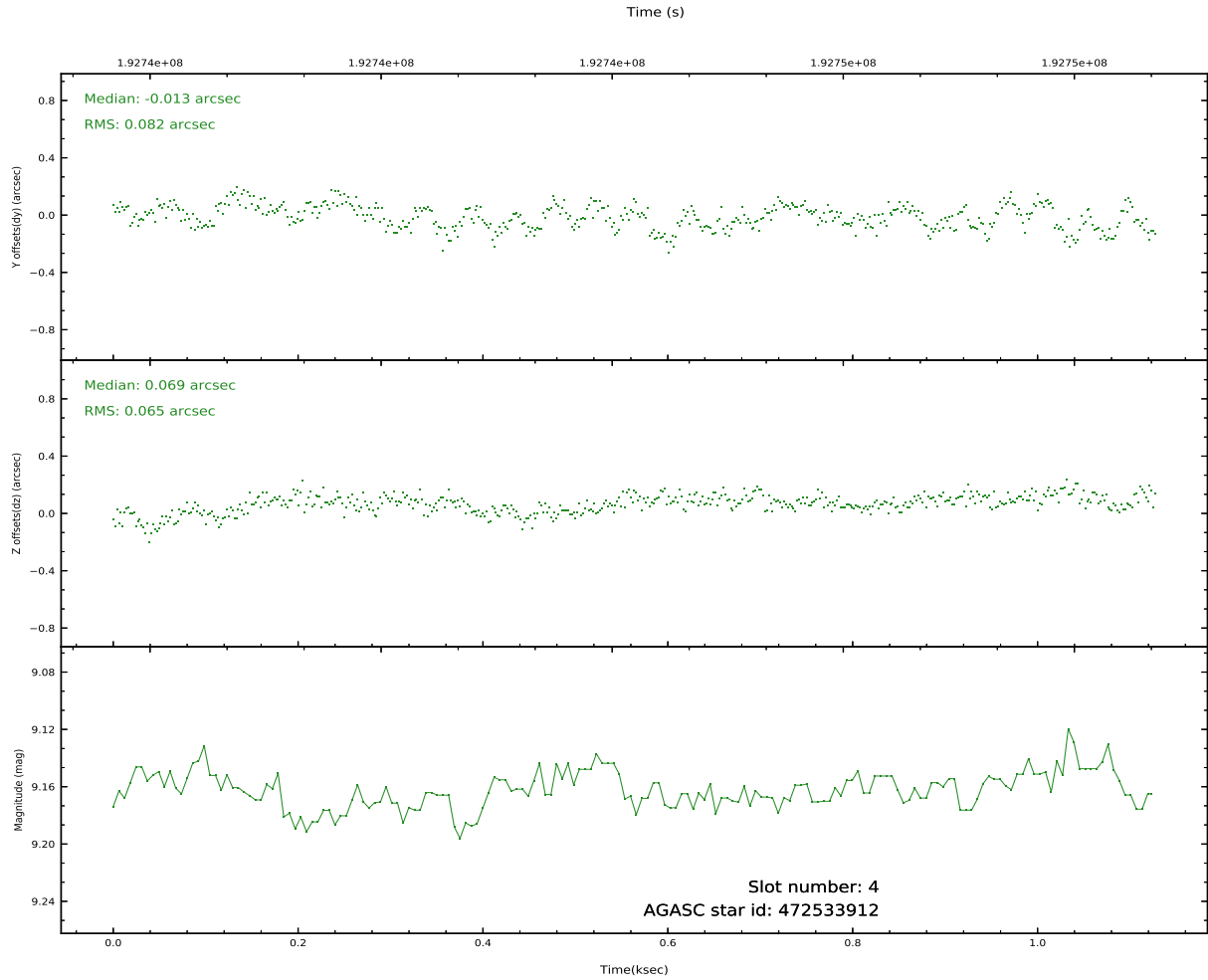
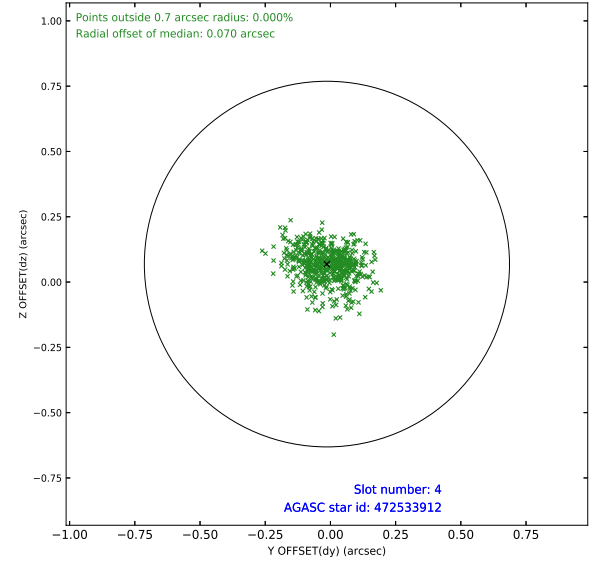
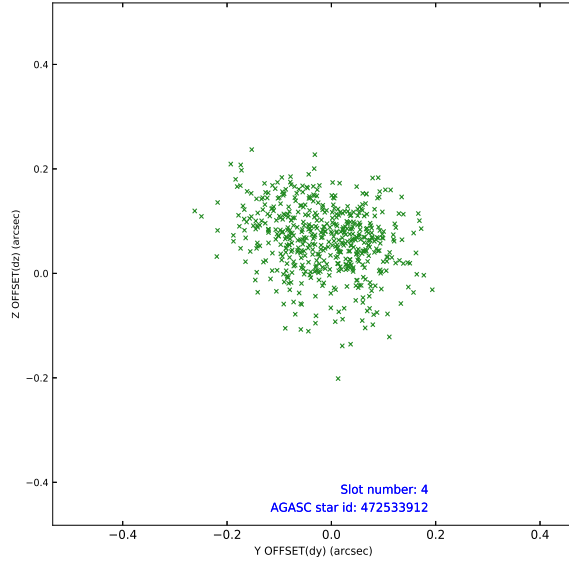
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.02	275	1.000	0.132	-0.165	0.020	0.049	0.000000	0.000000	1237.42	-452
1	FID		HRC-S-3	7.04	276	1.000	0.056	-0.100	0.008	0.013	0.000000	0.000000	-1160.56	568
2	FID		HRC-S-4	7.00	275	1.000	0.218	-0.030	0.021	0.053	0.000000	0.000000	1231.88	574
3	GUIDE	used	472523760	8.23	551	1.000	-0.154	-0.212	0.066	0.102	331.645363	45.403260	-1613.37	-1501
4	GUIDE	used	472533912	9.16	551	1.000	-0.013	0.069	0.111	0.186	331.791136	46.368695	-1867.94	1981
5	GUIDE	used	472659832	9.46	551	1.000	0.007	0.038	0.096	0.150	332.780399	46.098139	731.78	1480
6	GUIDE	used	472660976	8.61	551	1.000	0.195	0.195	0.062	0.103	333.433329	46.196713	2266.12	2142
7	GUIDE	used	472654568	9.44	549	1.000	-0.029	-0.075	0.109	0.187	332.194449	45.063576	-21.14	-2452

2.4 Star Slots

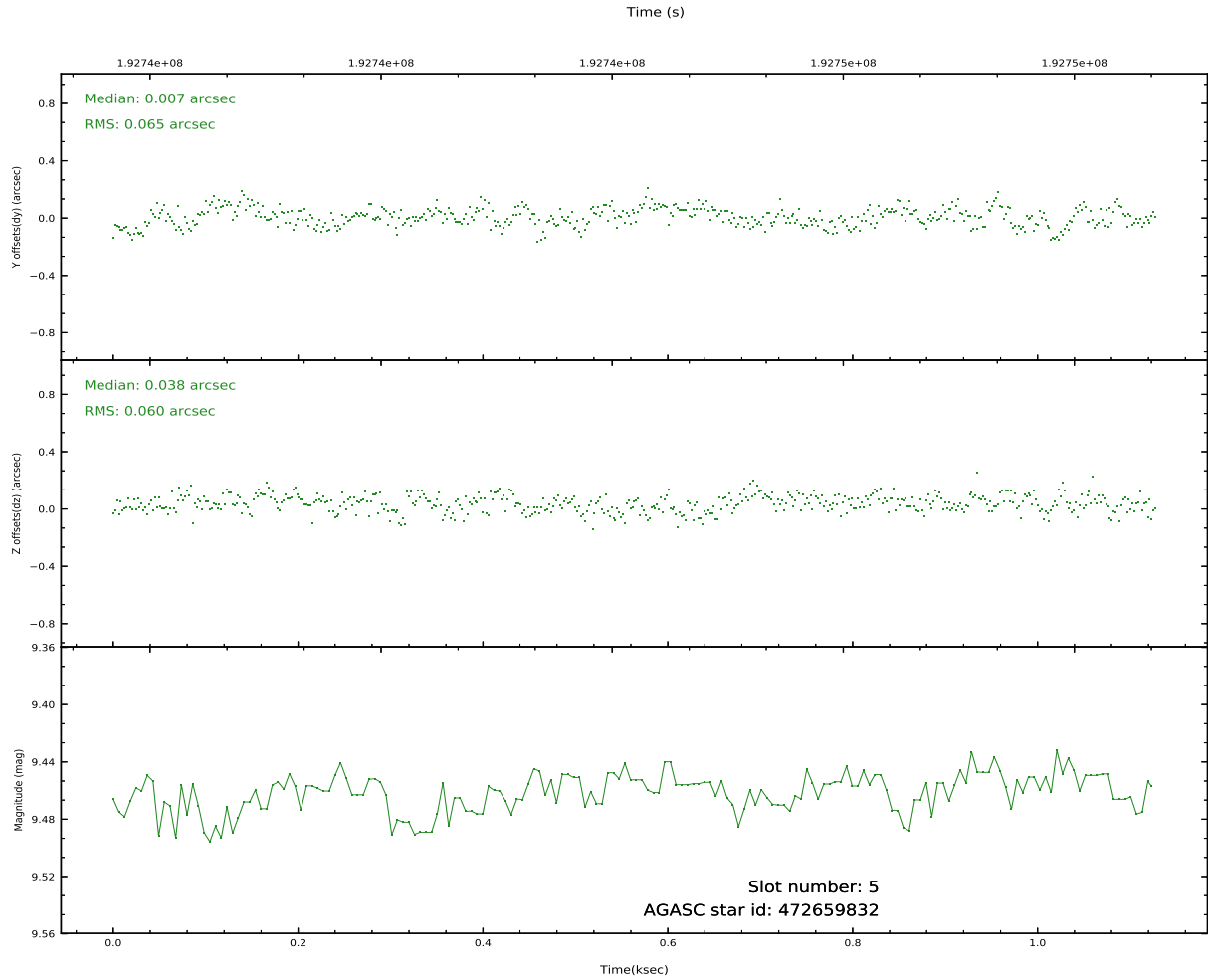
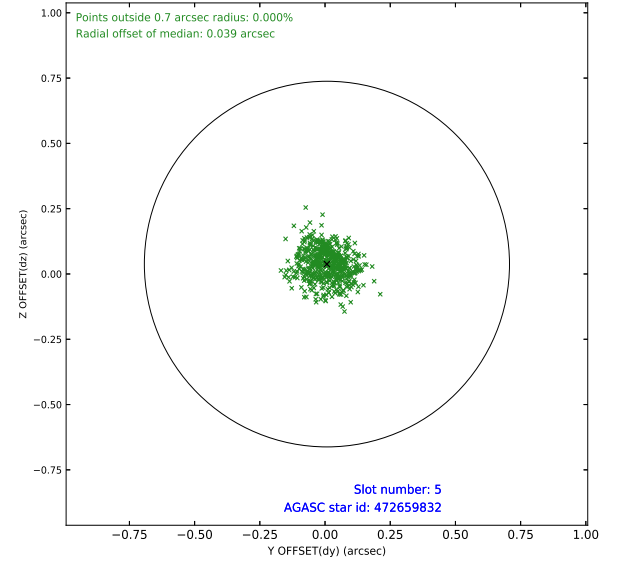
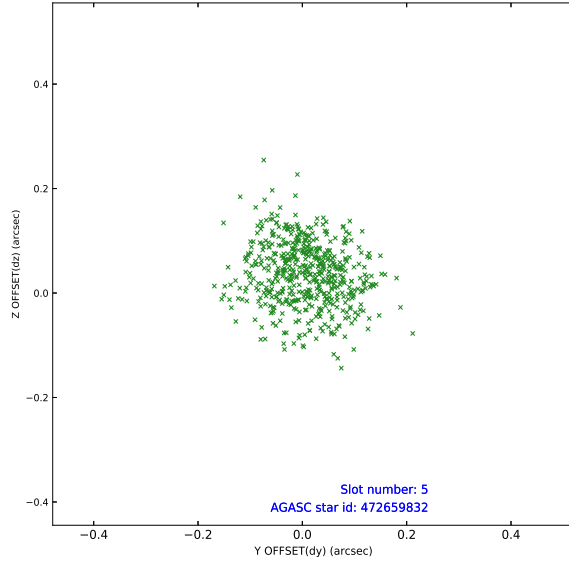
2.4.1 Slot 3



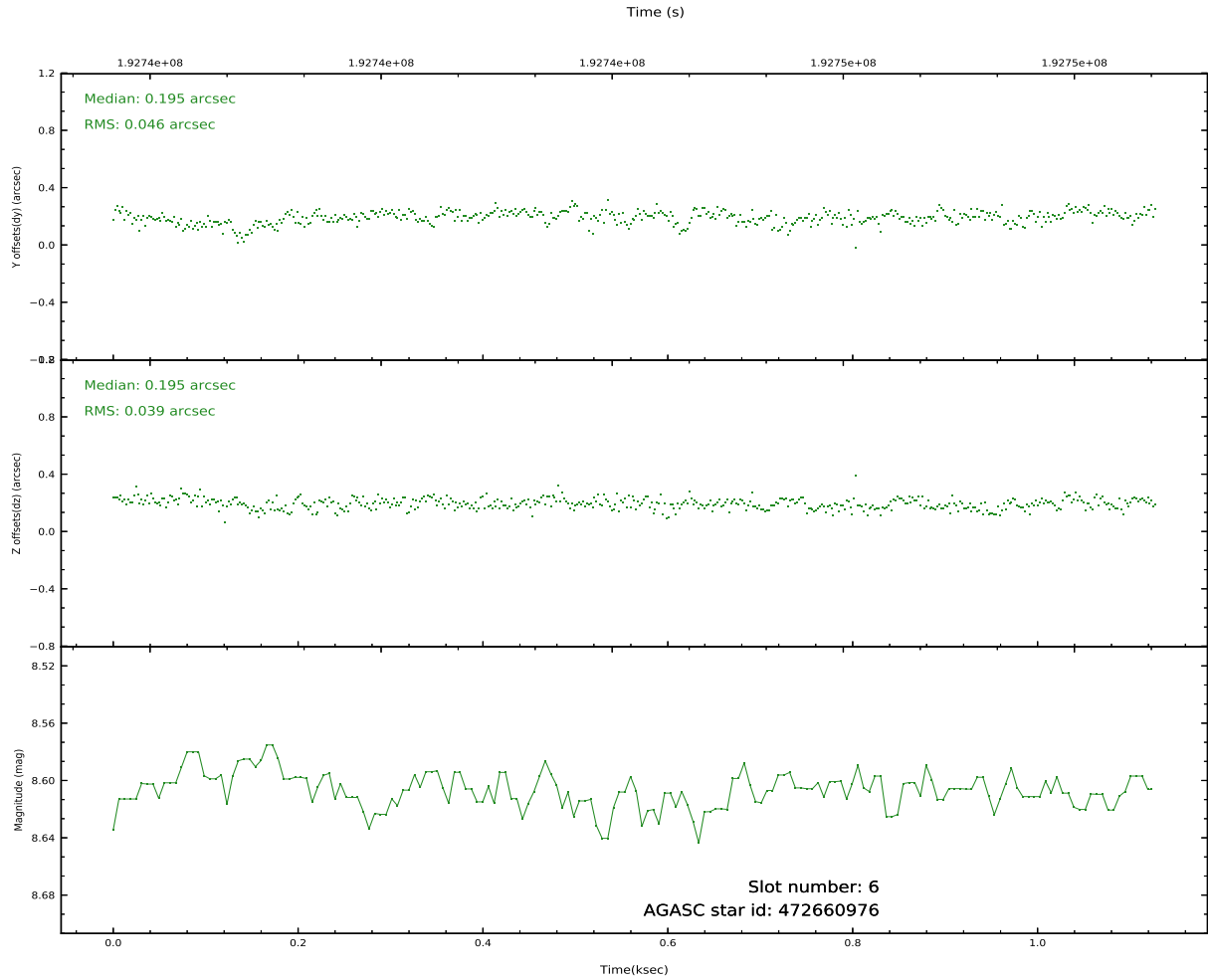
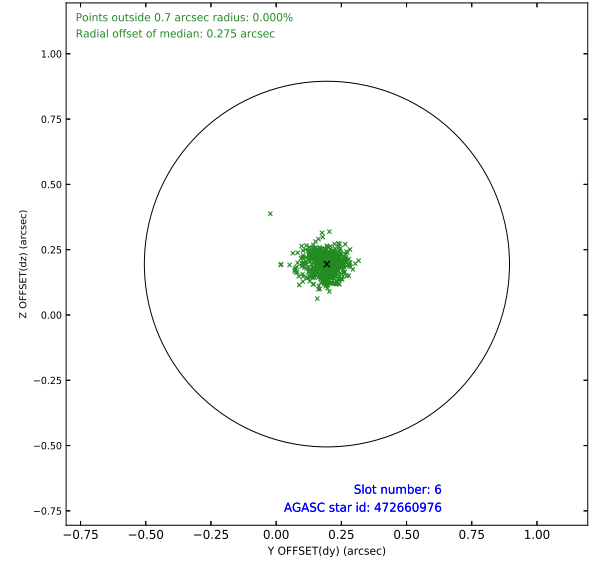
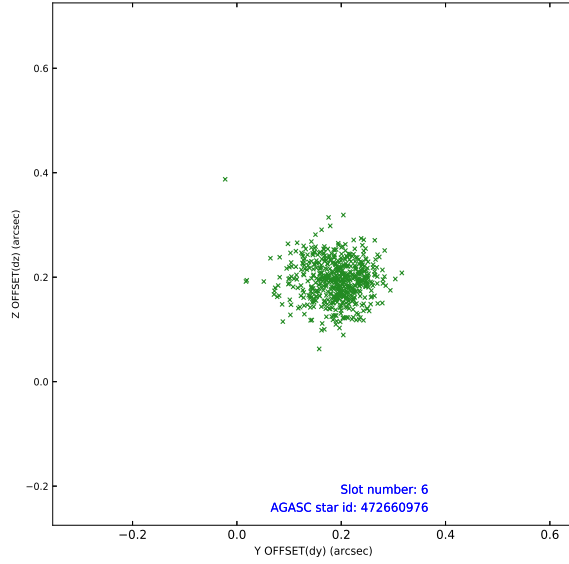
2.4.2 Slot 4



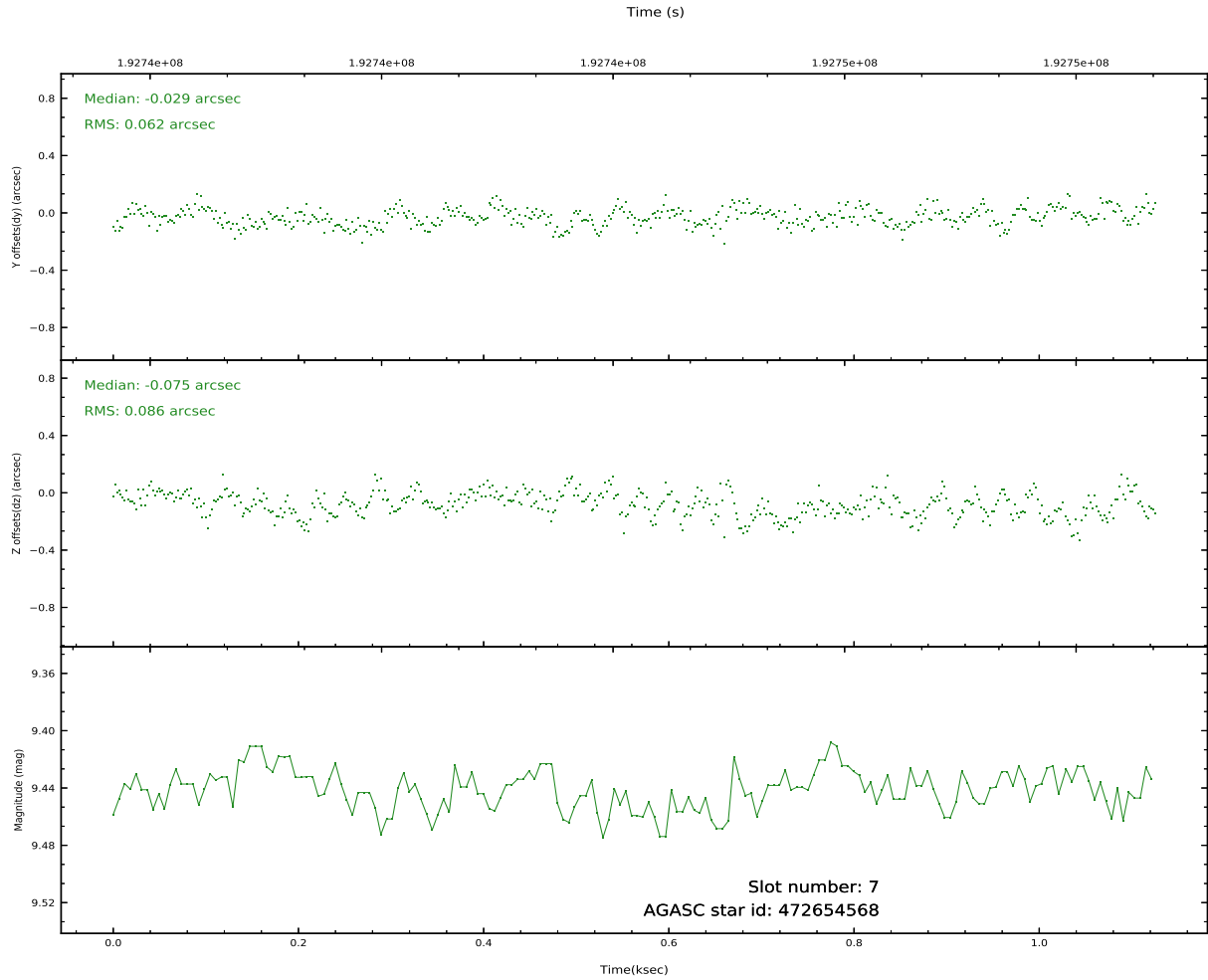
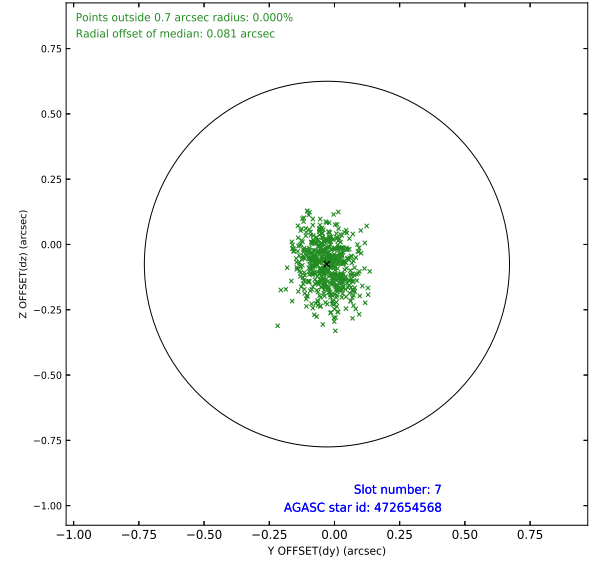
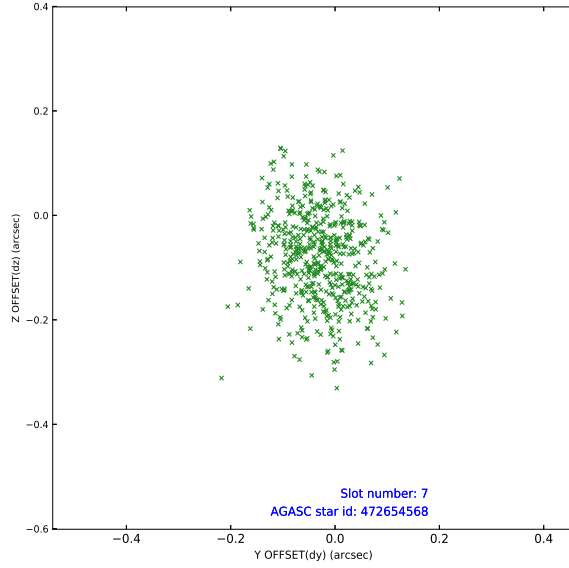
2.4.3 Slot 5



2.4.4 Slot 6

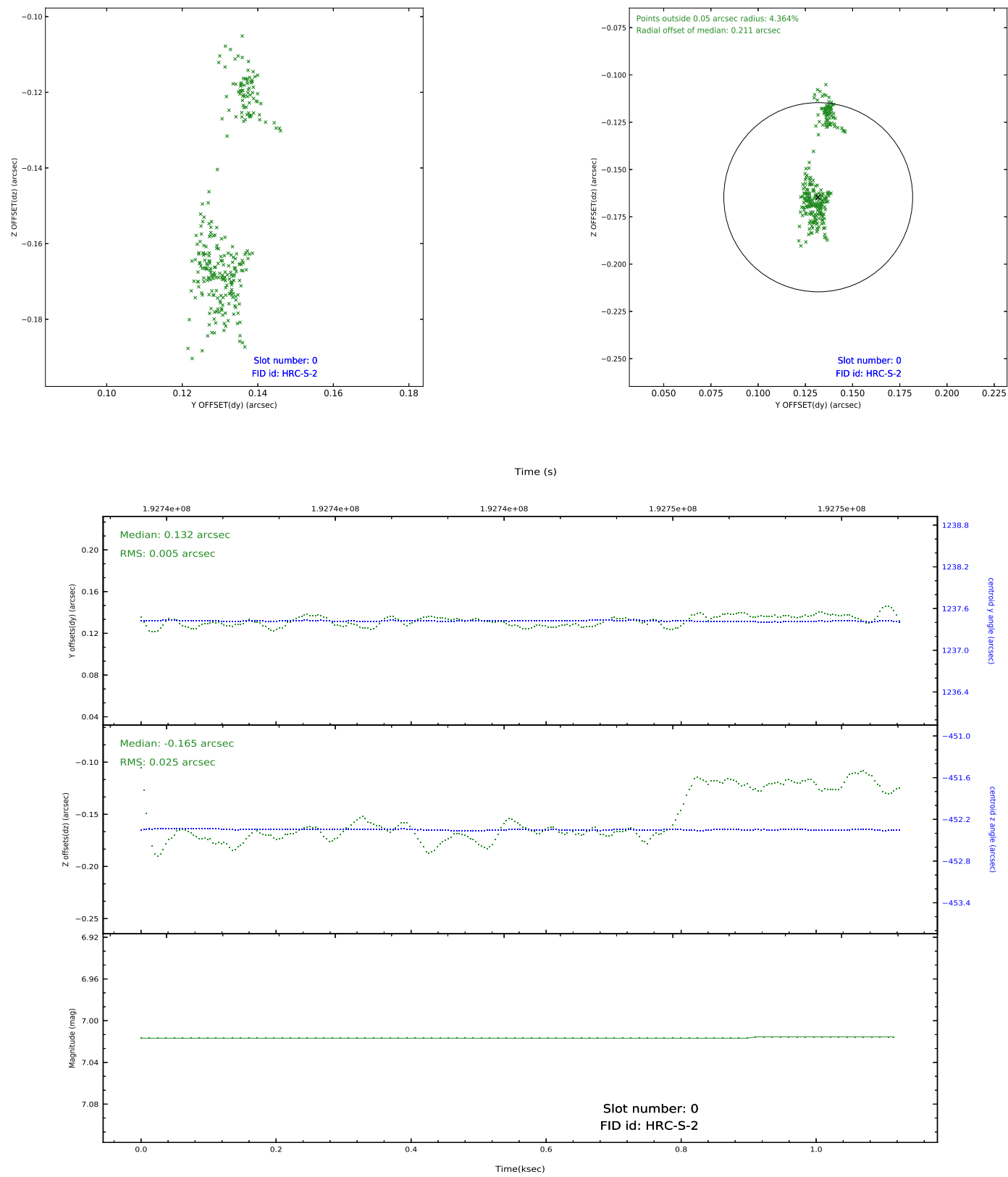


2.4.5 Slot 7

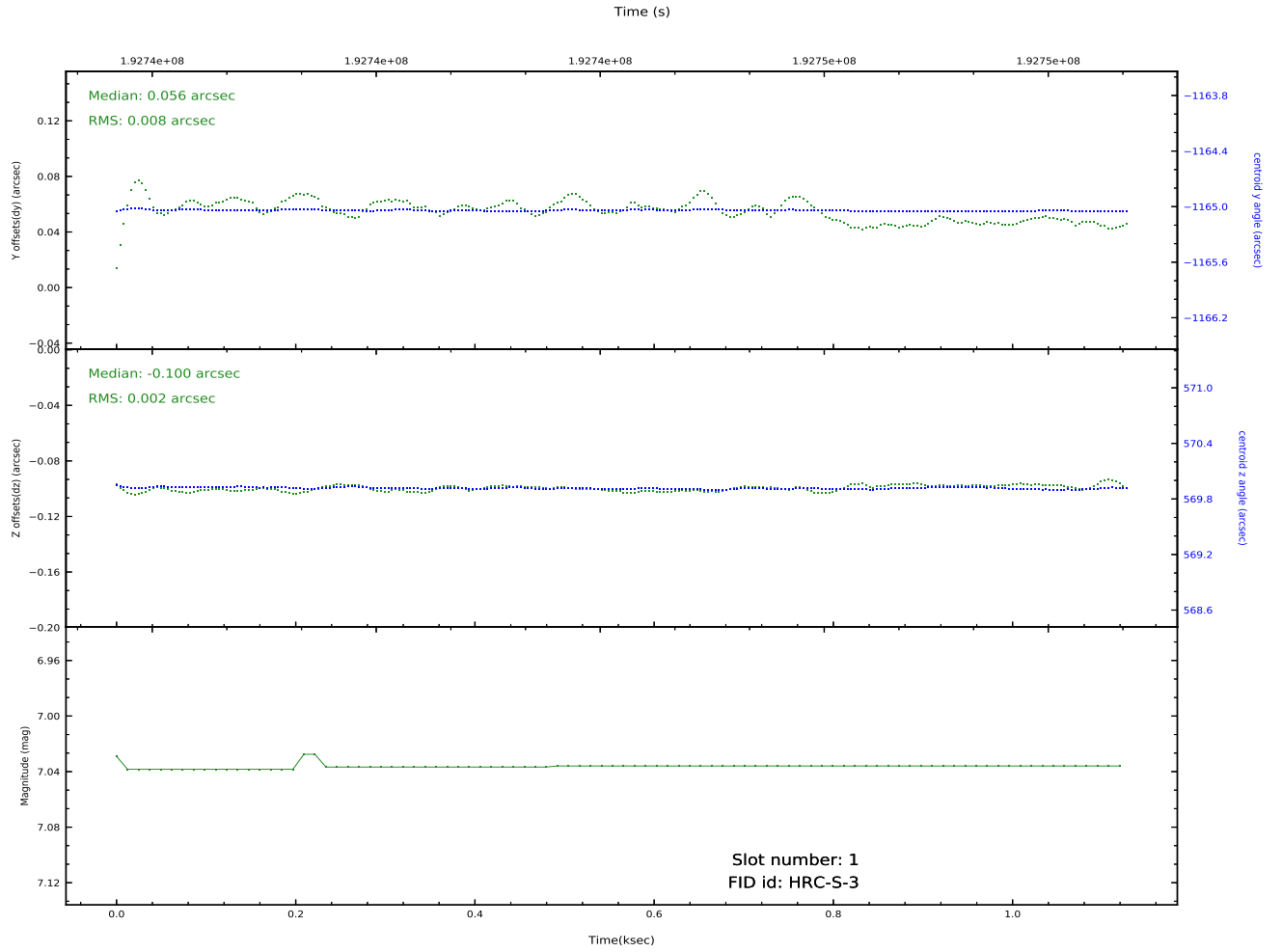
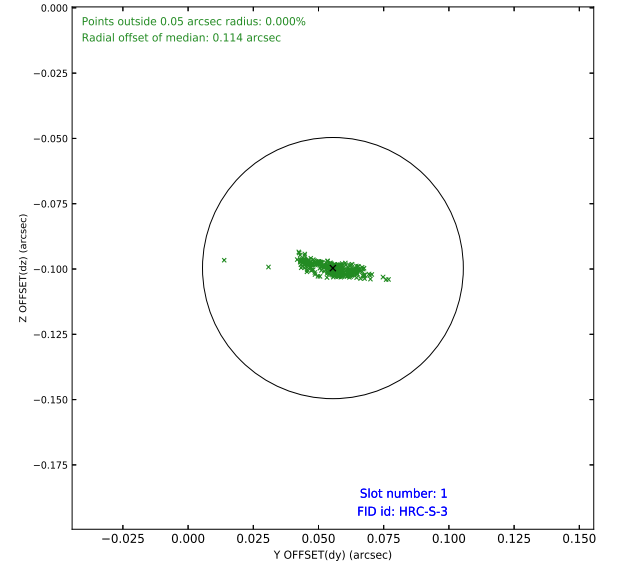
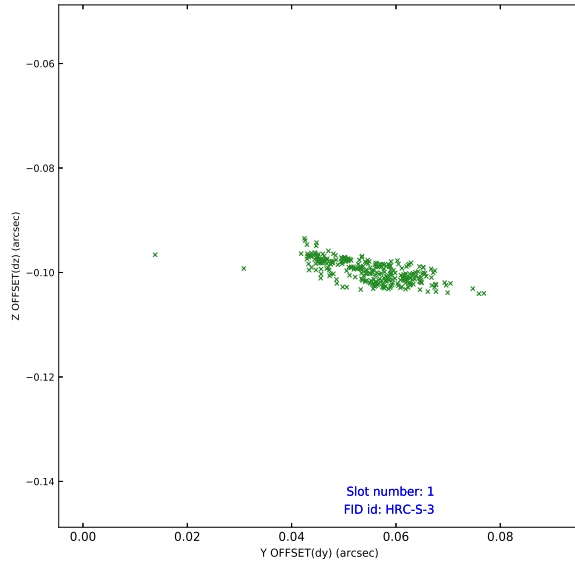


2.5 FID Slots

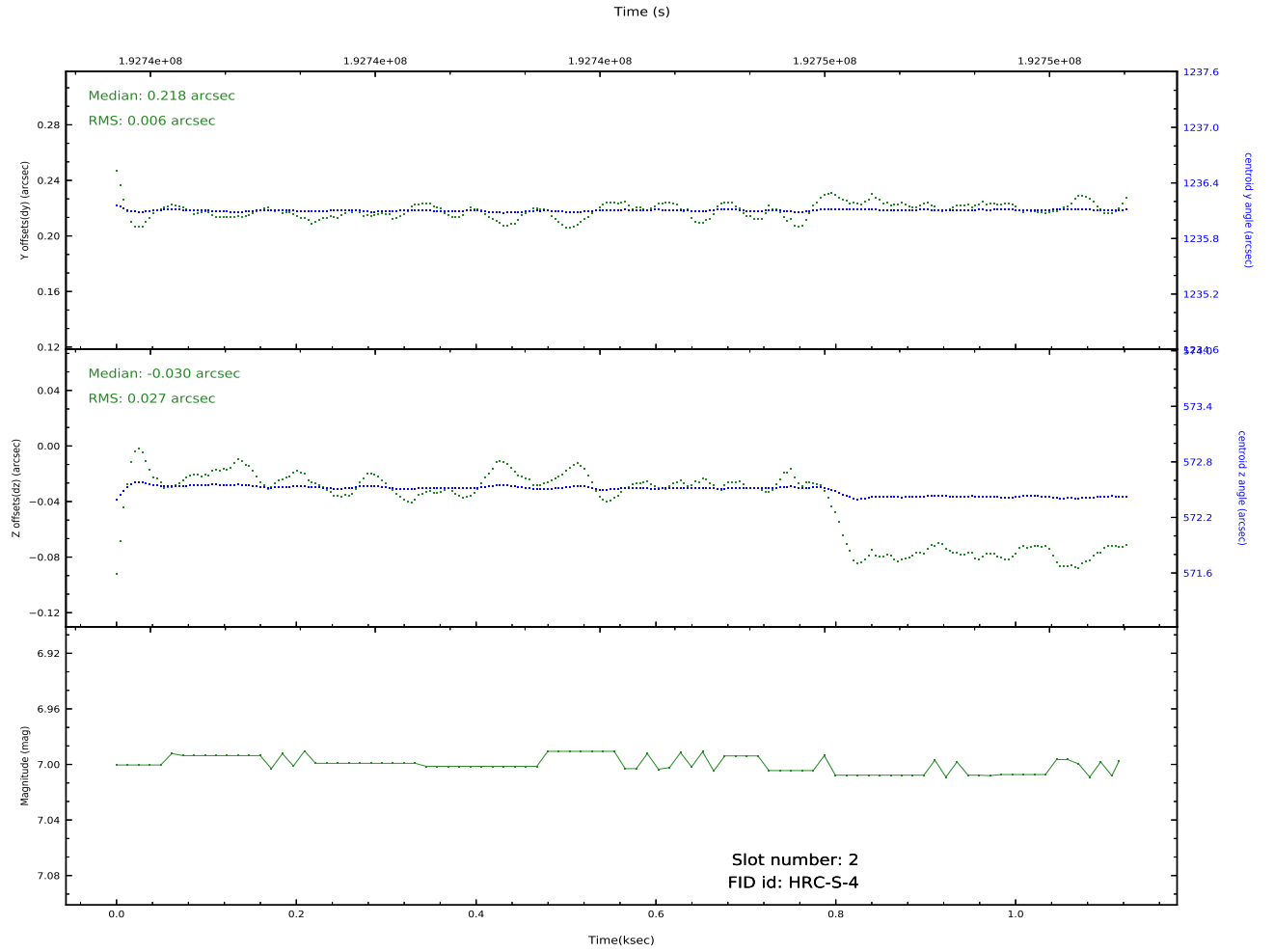
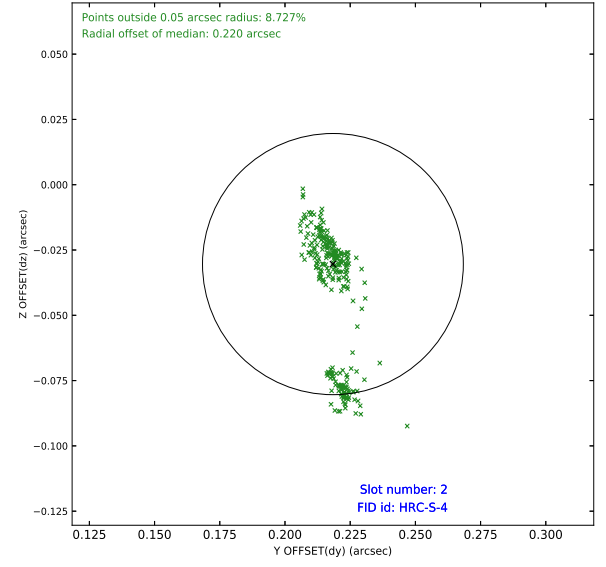
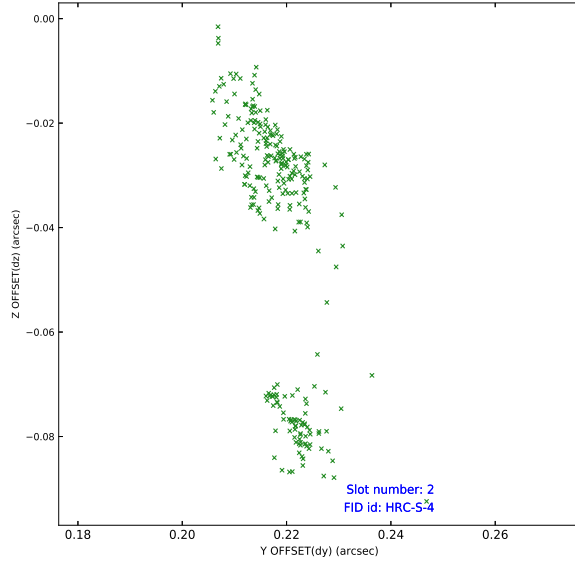
2.5.1 Slot 0



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	1.088

A.2 Comments