

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5441 - L2 Version 4
Chandra X-Ray Center

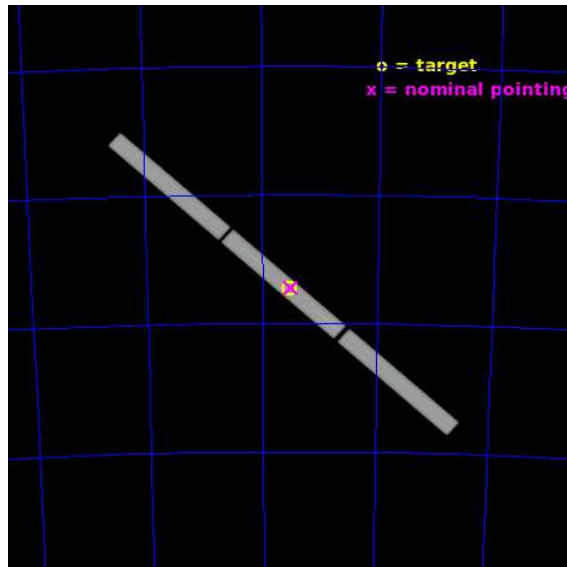
L2 Processing Date : Oct 7 2020

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1 Front

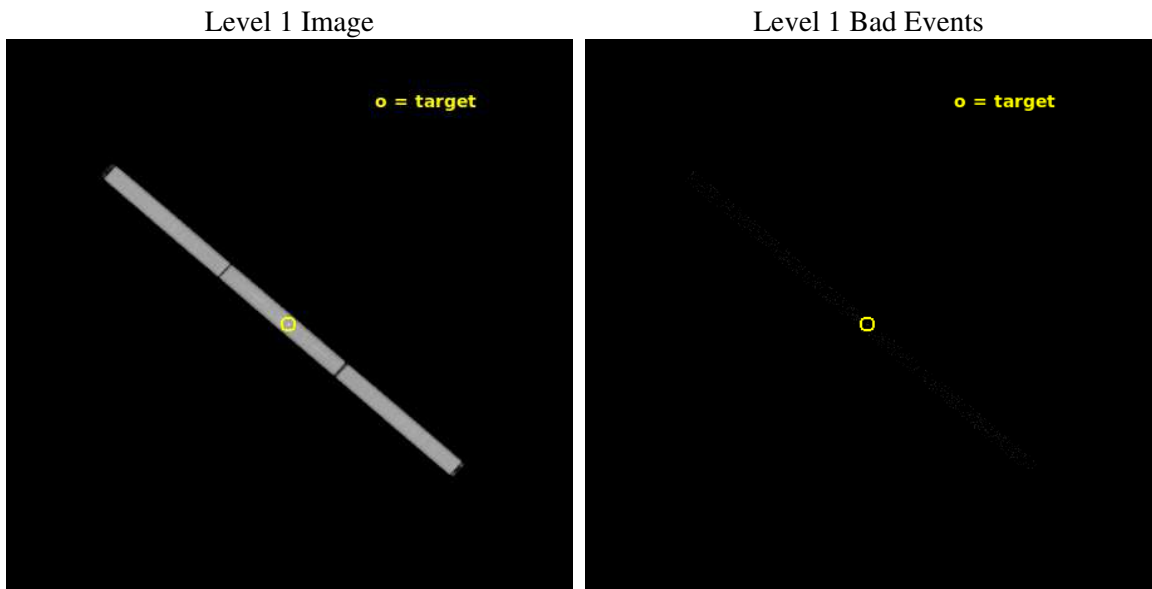
seq_num	300157	Sequence number
obs_id	5441	Observation id
title	Testing Accretion Scenarios at the Eddington Limit	Proposal title
observer	Dr. Vadim Burwitz	Principal investigator
object	RXJ0513.9-6951	Source name
ra_targ	78.461667	Observer's specified target RA [deg]
dec_targ	-69.863056	Observer's specified target Dec [deg]
ra_nom	78.44988940545	Nominal RA [deg]
dec_nom	-69.862679954195	Nominal Dec [deg]
roll_nom	221.6348320682	Nominal Roll [deg]
revision	4	Processing version of data
ontime	25185.532386154	[s]
livetime	25001.083666152	Ontime multiplied by DTCOR
l2events	1480575	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	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	25185.532396138	[s]
caldsver	4.9.2	 	l1events	2103237	Number of level 1 events
date	2020-10-08T00:41:41	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	4	Processing version of data	zo_pos	(32660.31, 32755.08)	src1a sky pixel position

2.1.3 Events

Level 1 Events

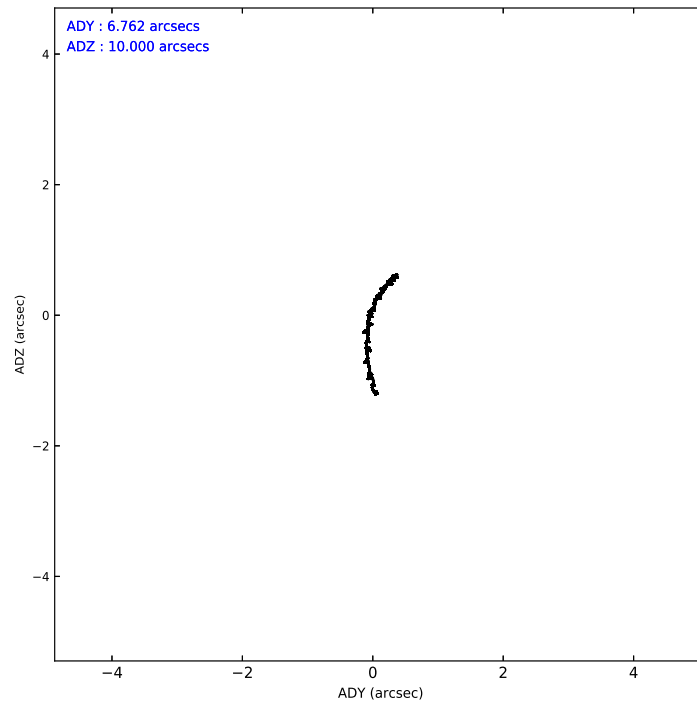
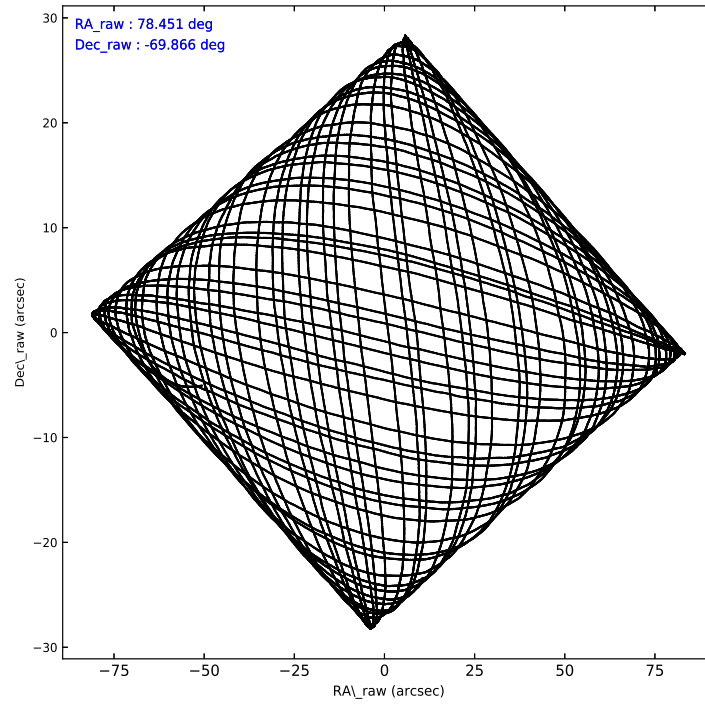
	segment 1	segment 2	segment 3
level 1 events	698188	705689	699360
rejected events	24808	23304	24265
rejected %	3%	3%	3%

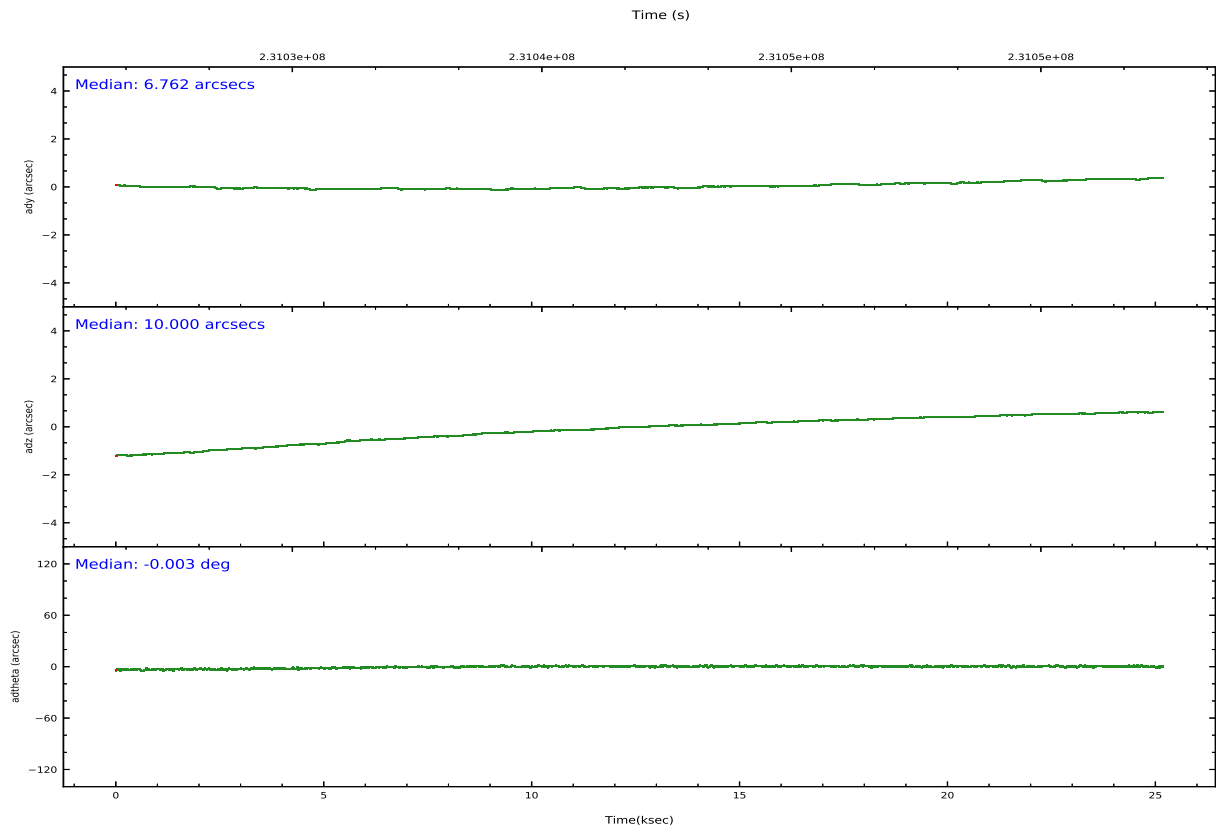
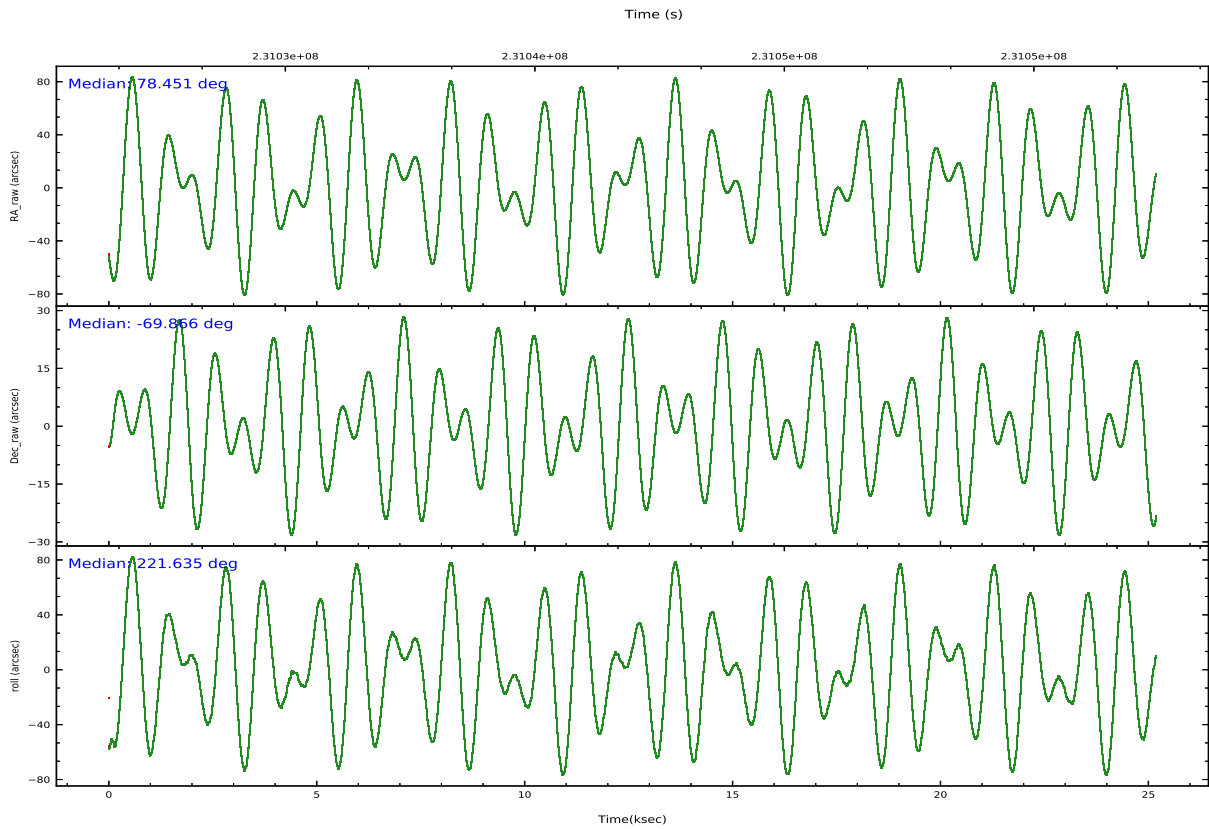
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	78.473445	78.44988940544999
[deg] Pointing Dec	-69.838503	-69.862679954195
[deg] Pointing Roll	221.591371	221.6348320682
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	231029942.184000	231028923.0696
Observation start date	2005-04-27T22:57:58	2005-04-27T22:42:03
[s] Observation end time (MET)	231054942.184000	231055416.7583
Observation end date	2005-04-28T05:54:38	2005-04-28T06:03:36

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

2.3 Aspect



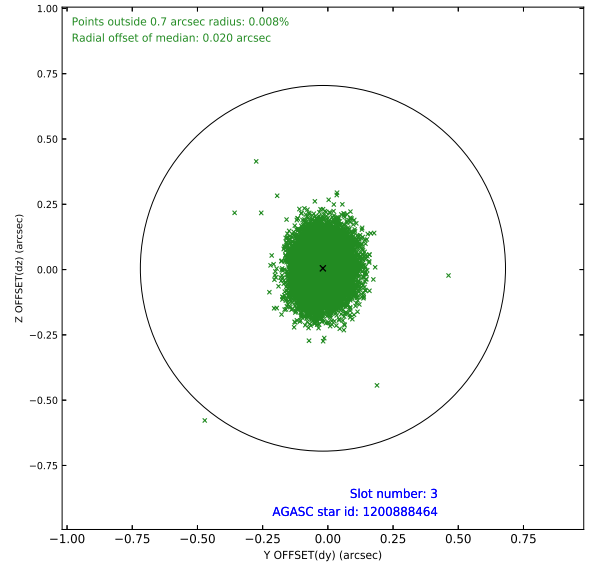
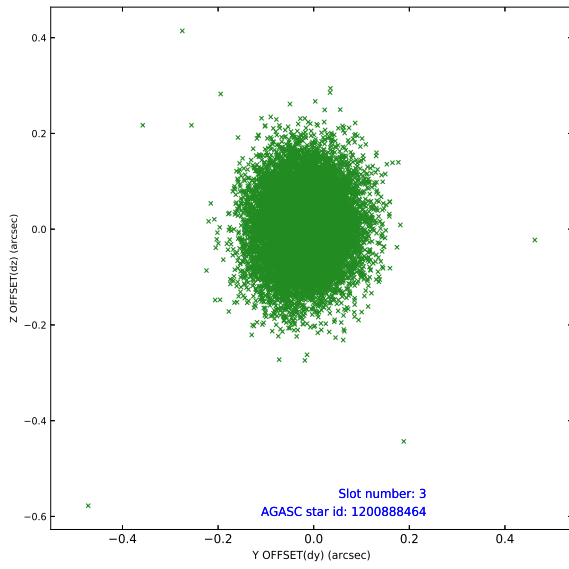


Slot Statistics

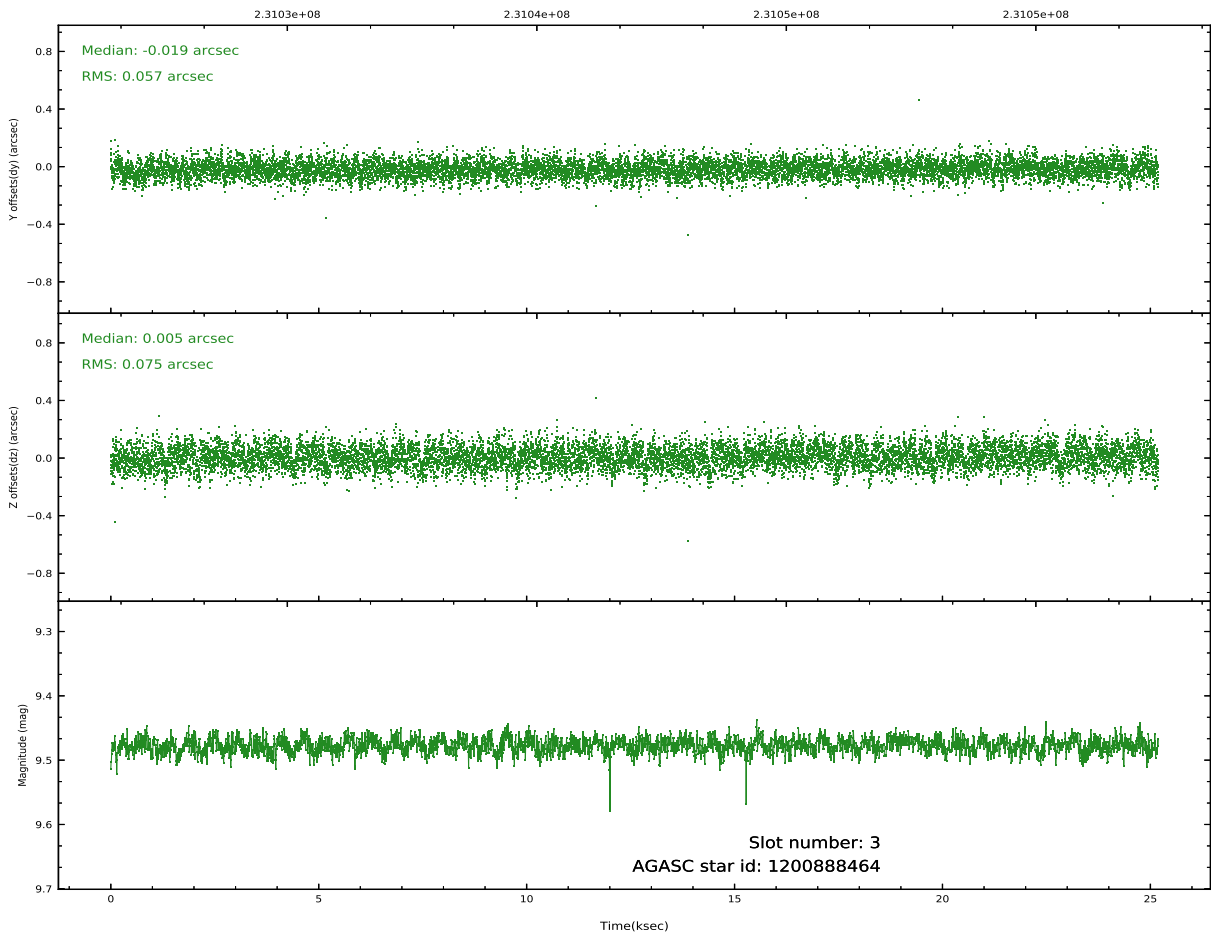
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-S-1	7.00	6143	1.000	0.089	-0.194	0.011	0.033	0.000000	0.000000	-1160.99	-458
1	FID		HRC-S-2	7.00	6144	1.000	0.203	-0.114	0.006	0.011	0.000000	0.000000	1238.62	-451
2	FID		HRC-S-3	7.02	6144	1.000	0.098	0.006	0.012	0.036	0.000000	0.000000	-1163.50	571
3	GUIDE	used	1200888464	9.48	12283	1.000	-0.019	0.005	0.100	0.161	78.430687	-69.005633	-1948.84	-2279
4	GUIDE	used	1201280984	7.01	12287	1.000	-0.004	-0.057	0.052	0.080	77.867422	-69.546090	-125.89	-1290
5	GUIDE	used	1201407648	9.15	12265	1.000	0.098	0.082	0.093	0.149	78.636737	-70.585025	1638.08	2140
6	GUIDE	used	1201409432	9.03	12283	1.000	-0.093	-0.036	0.088	0.138	79.317334	-70.259796	243.95	1820
7	GUIDE	used	1201411776	8.86	12275	1.000	0.019	0.005	0.091	0.142	79.010603	-70.456328	994.30	2095

2.4 Star Slots

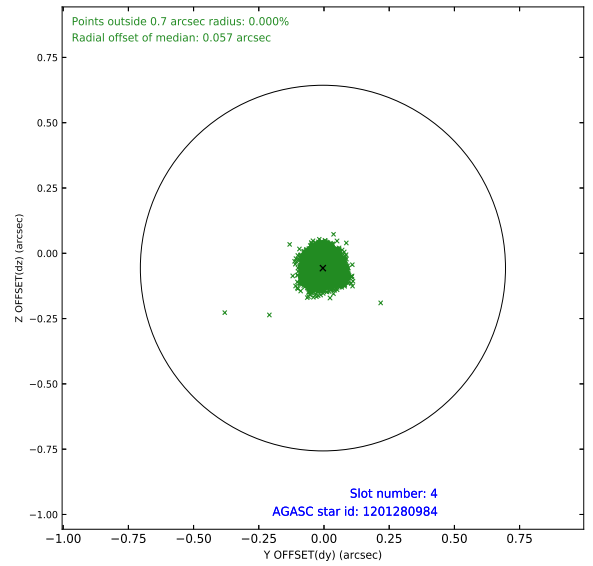
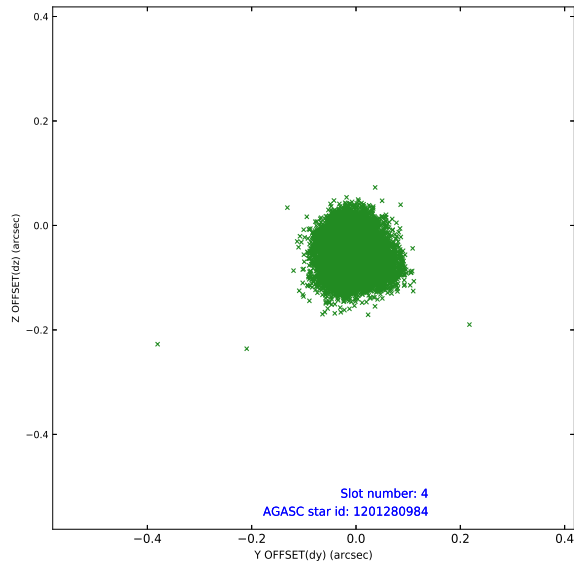
2.4.1 Slot 3



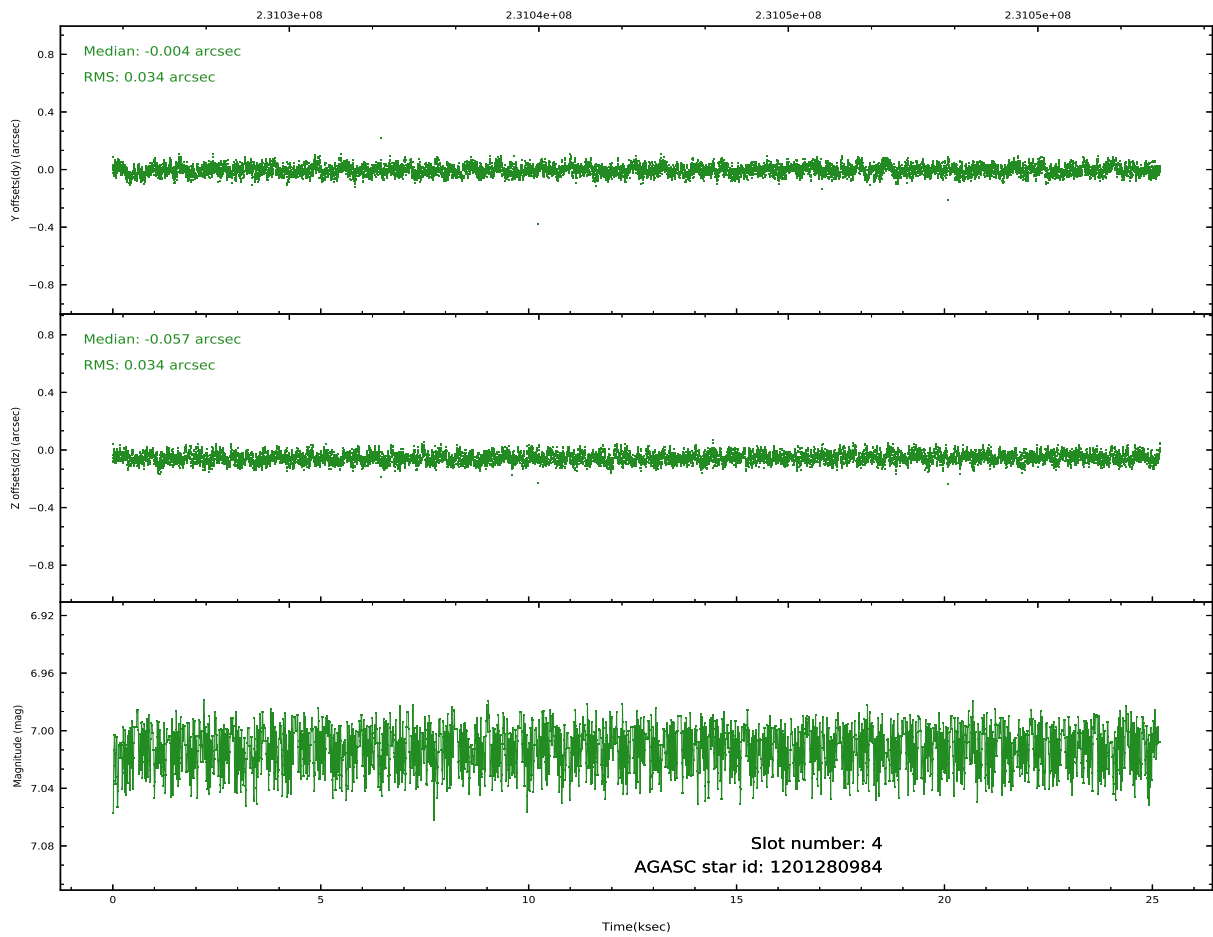
Time (s)



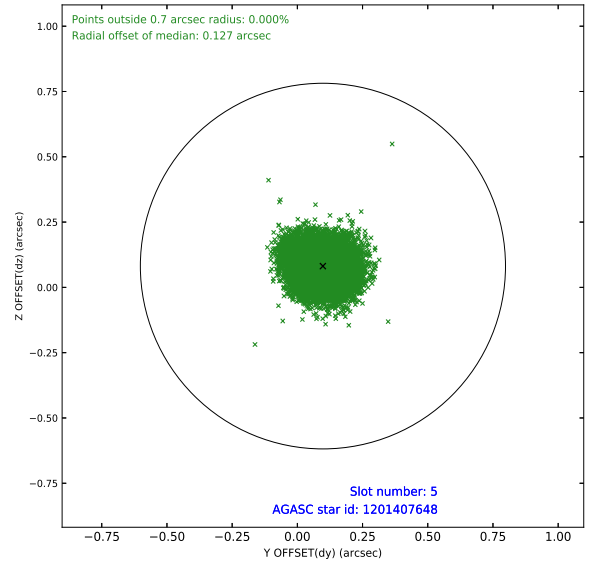
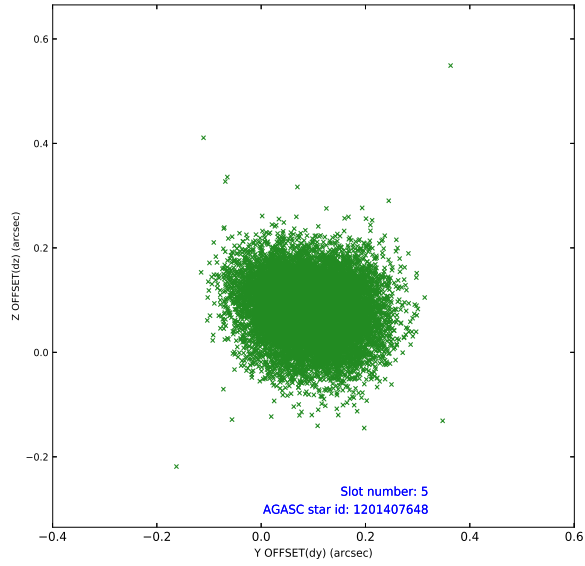
2.4.2 Slot 4



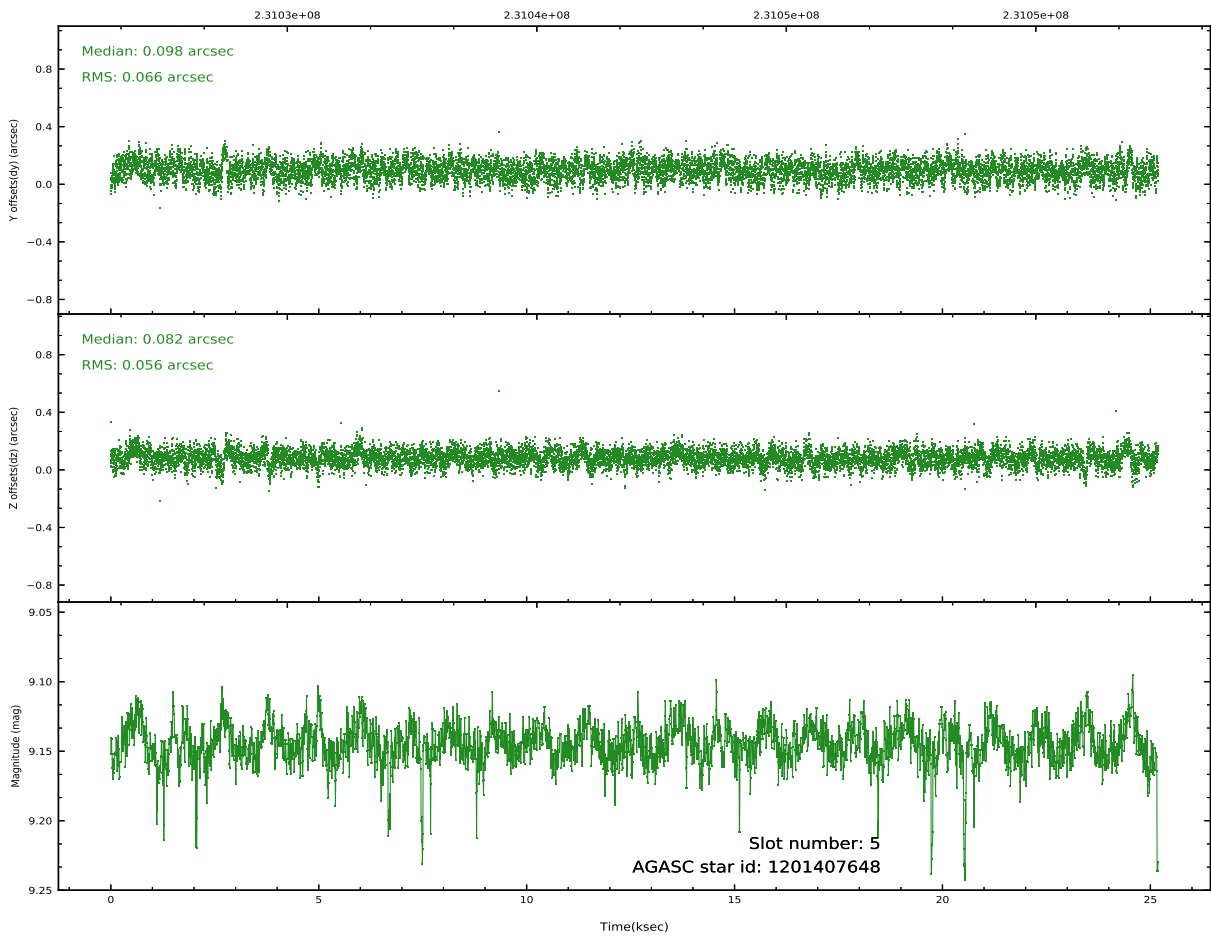
Time (s)



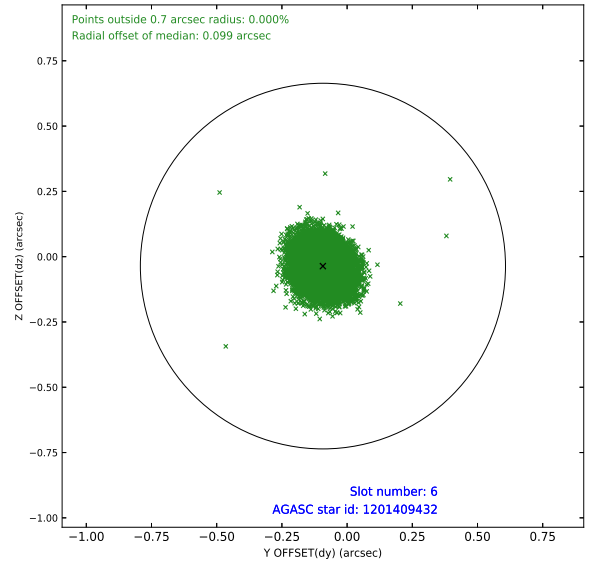
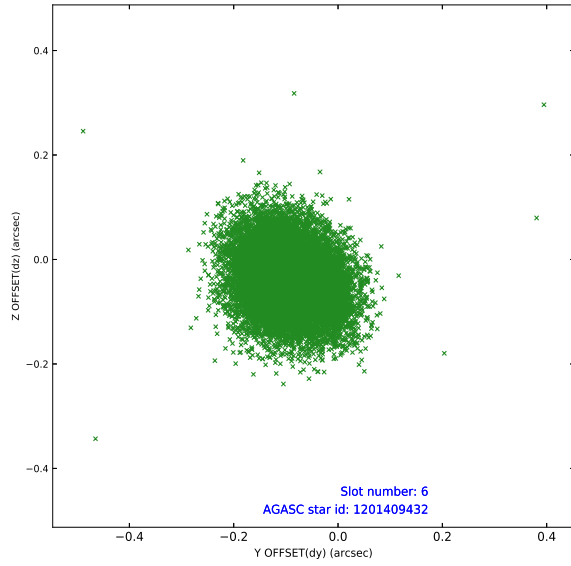
2.4.3 Slot 5



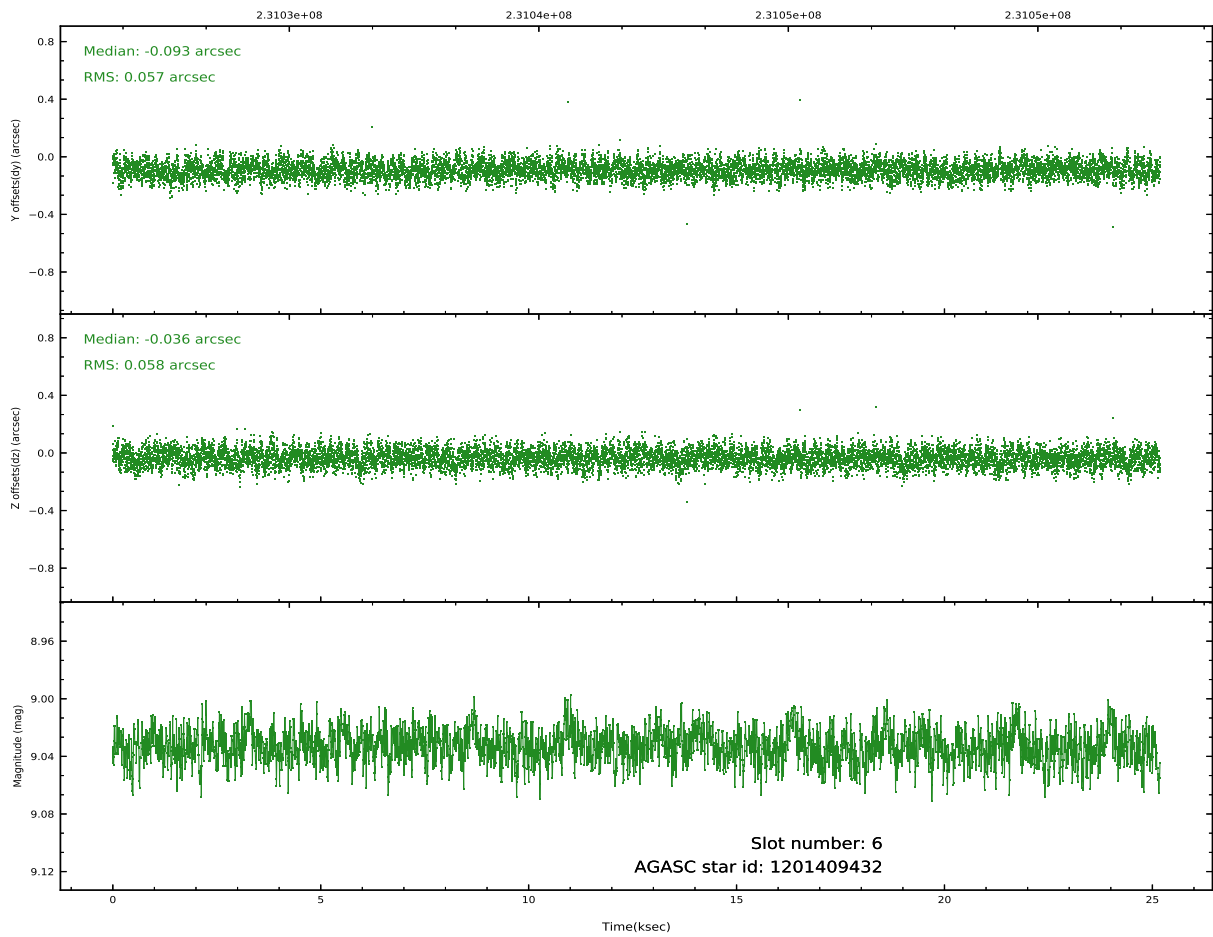
Time (s)



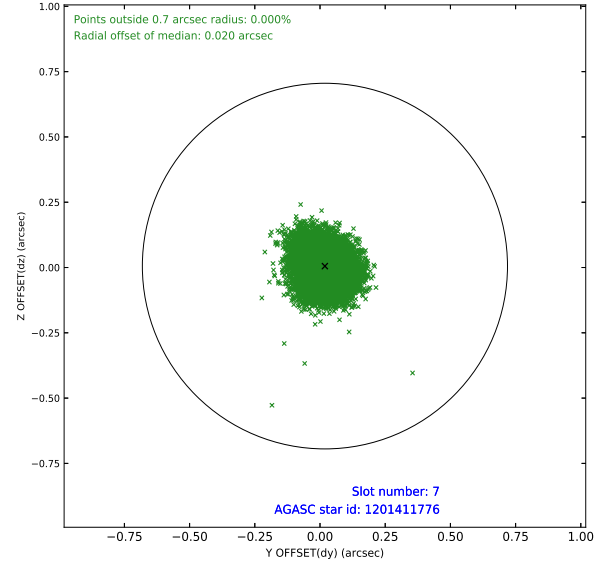
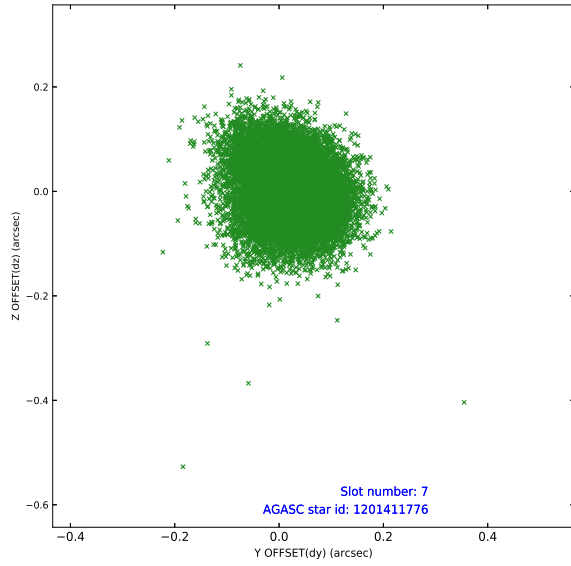
2.4.4 Slot 6



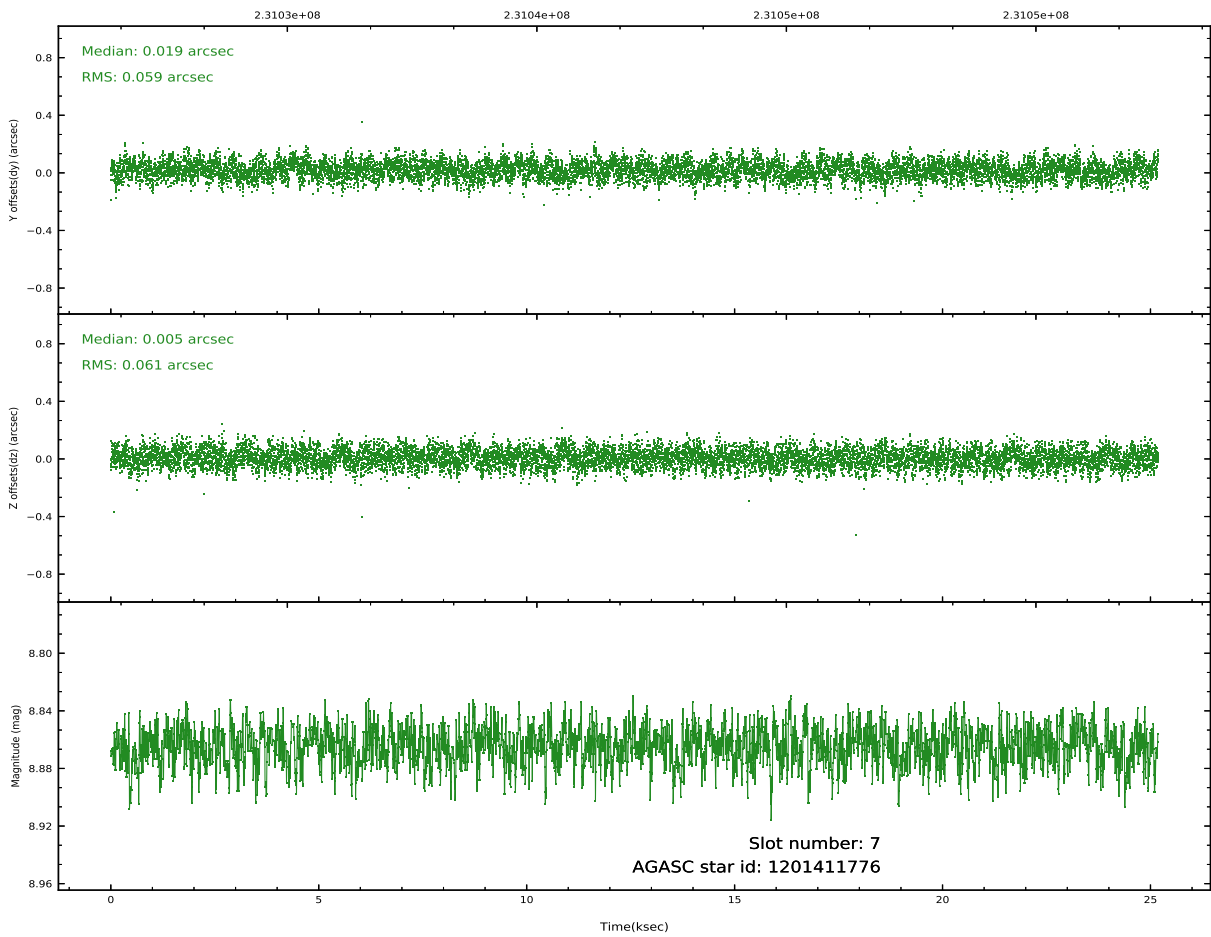
Time (s)



2.4.5 Slot 7

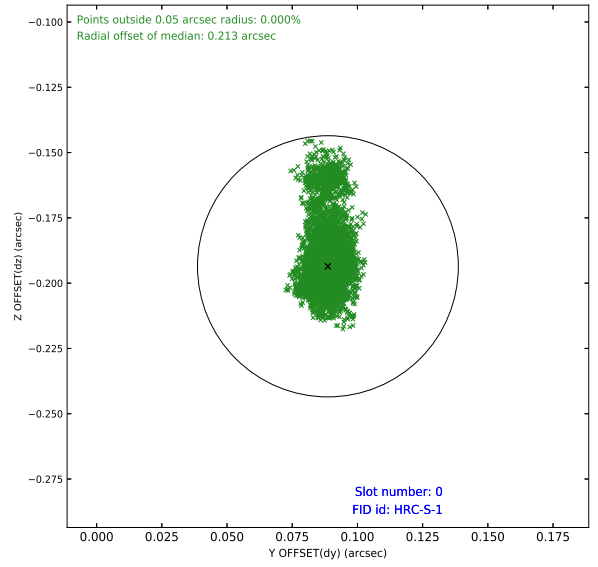
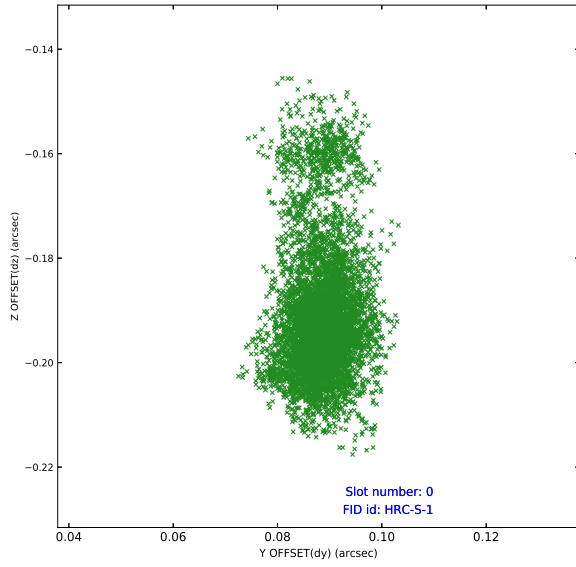


Time (s)

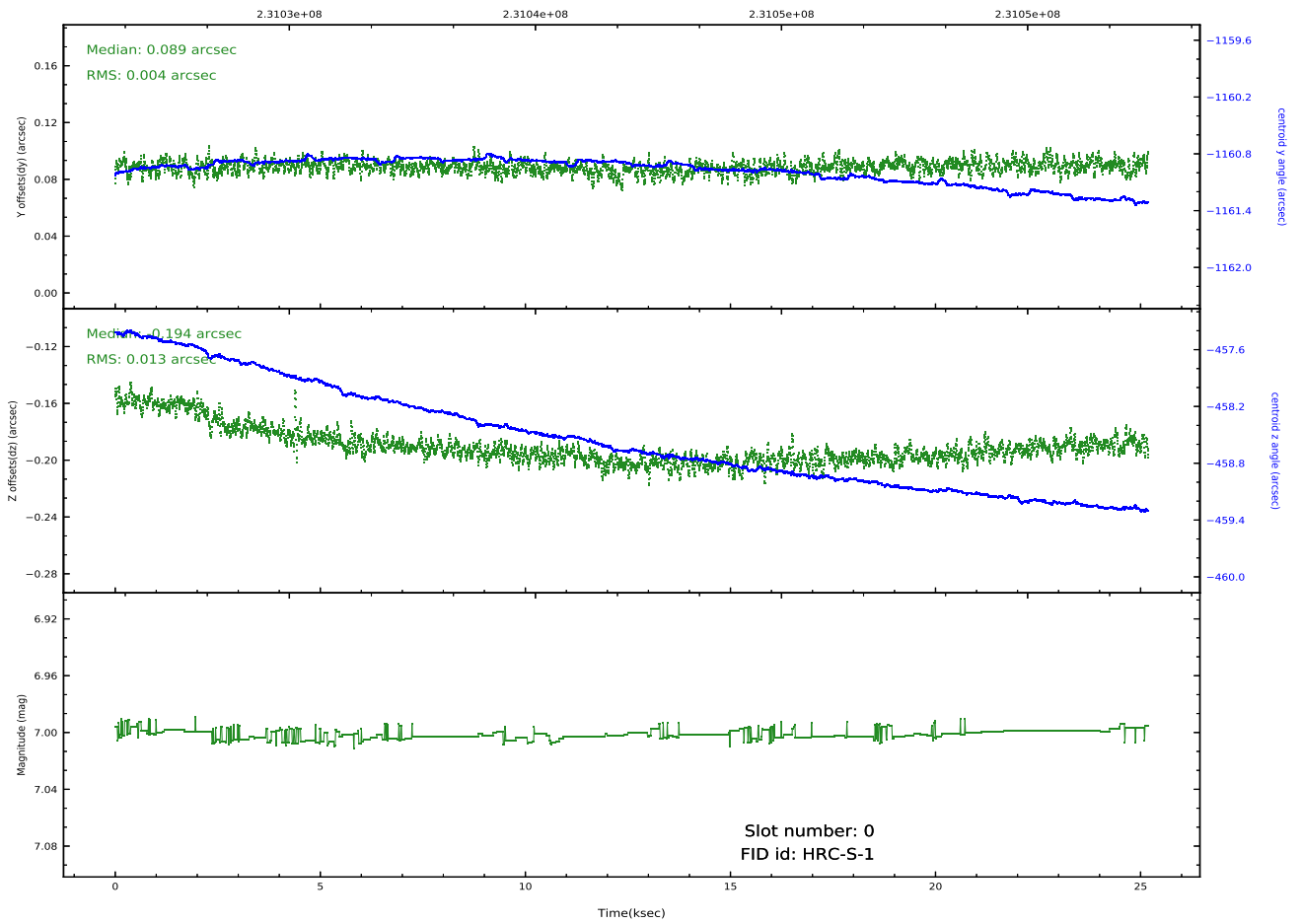


2.5 FID Slots

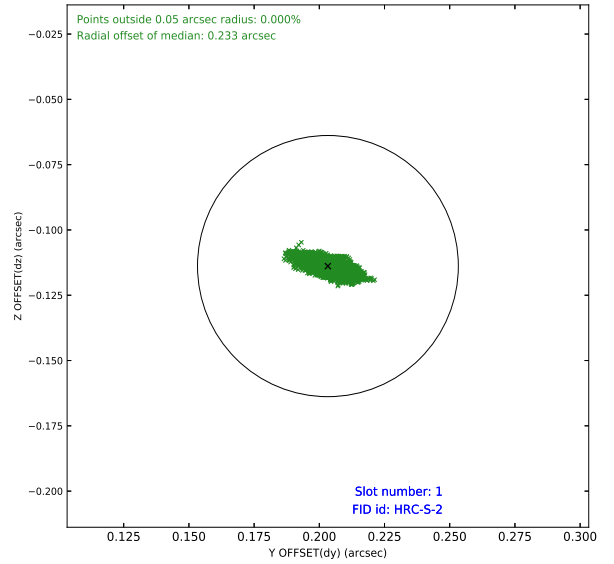
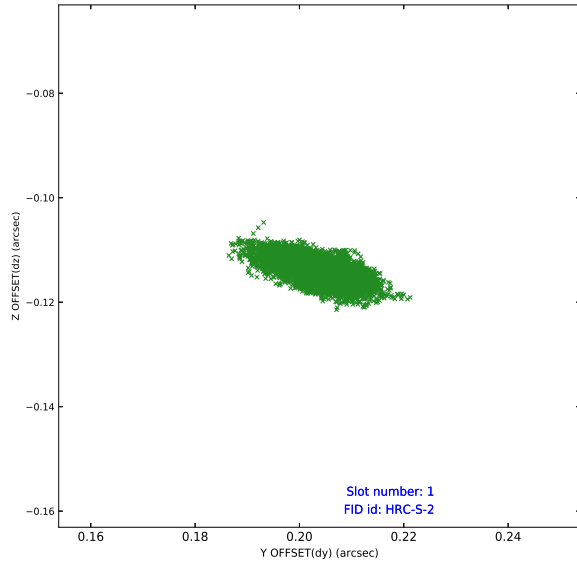
2.5.1 Slot 0



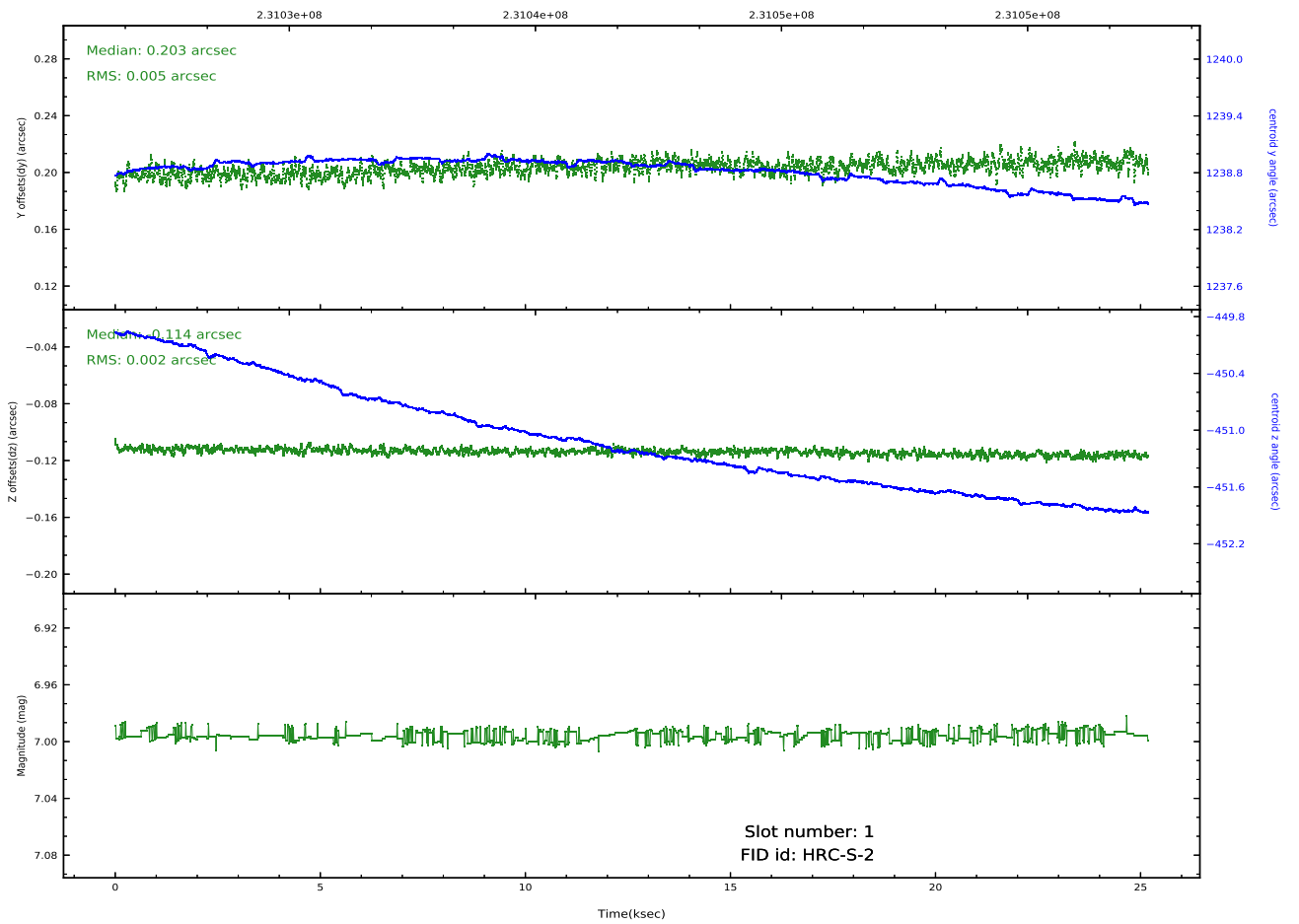
Time (s)



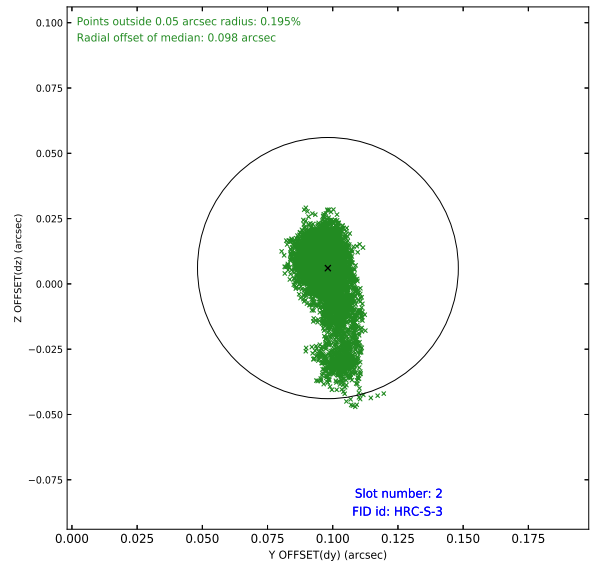
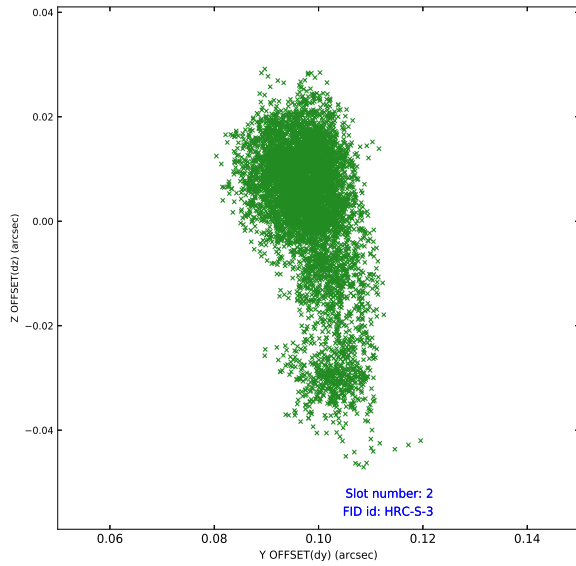
2.5.2 Slot 1



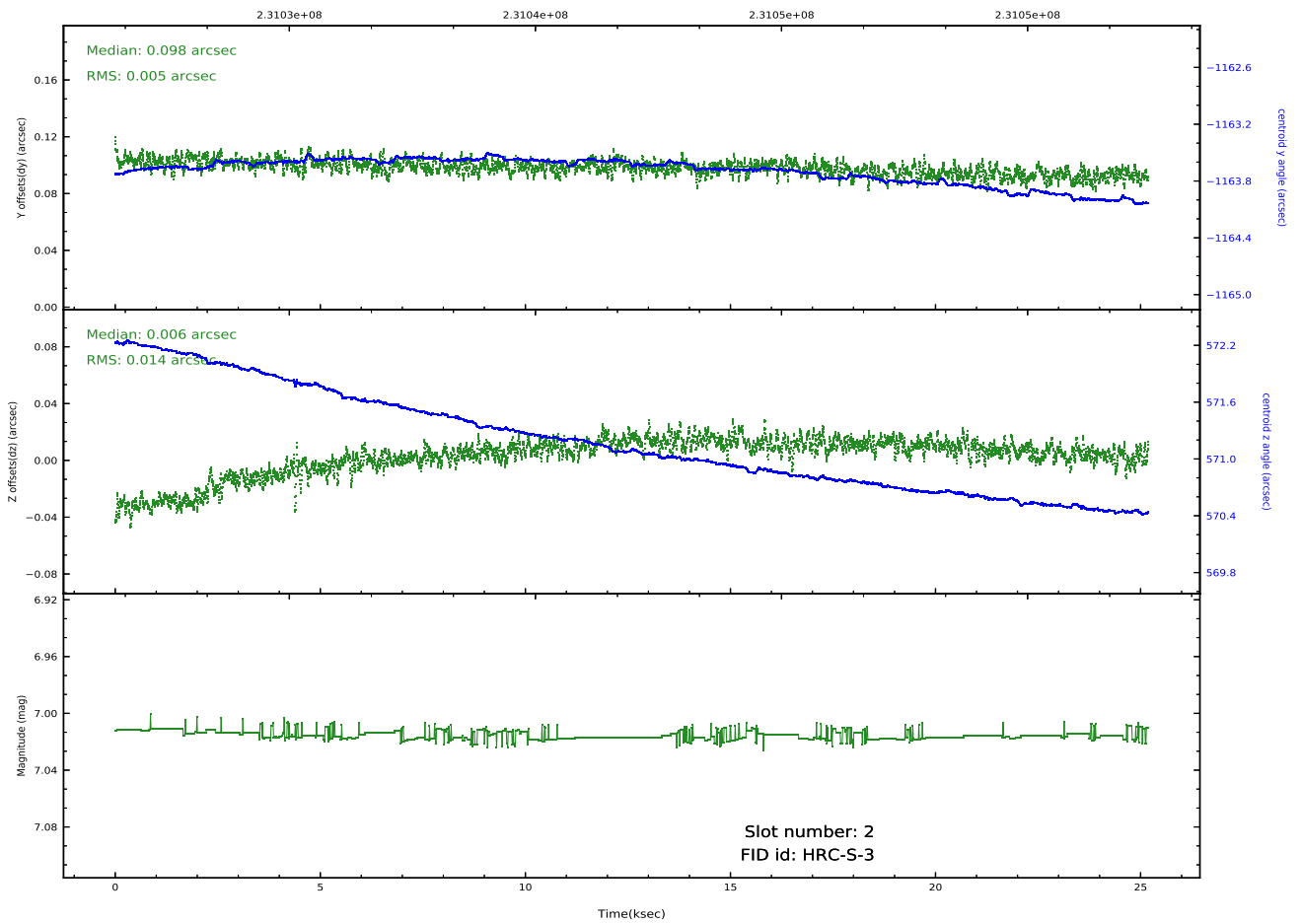
Time (s)



2.5.3 Slot 2

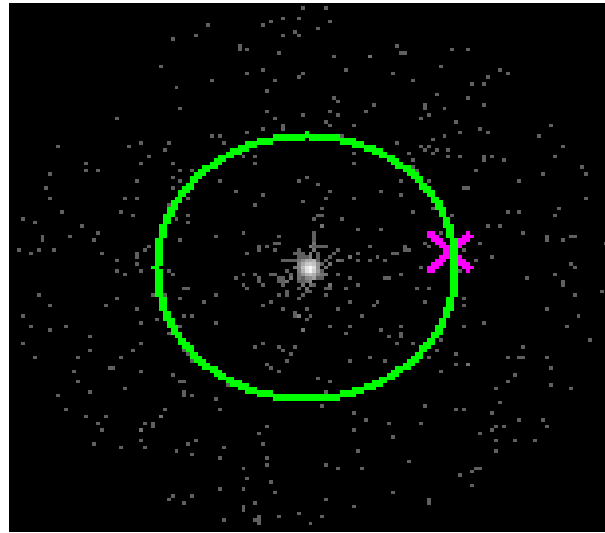


Time (s)

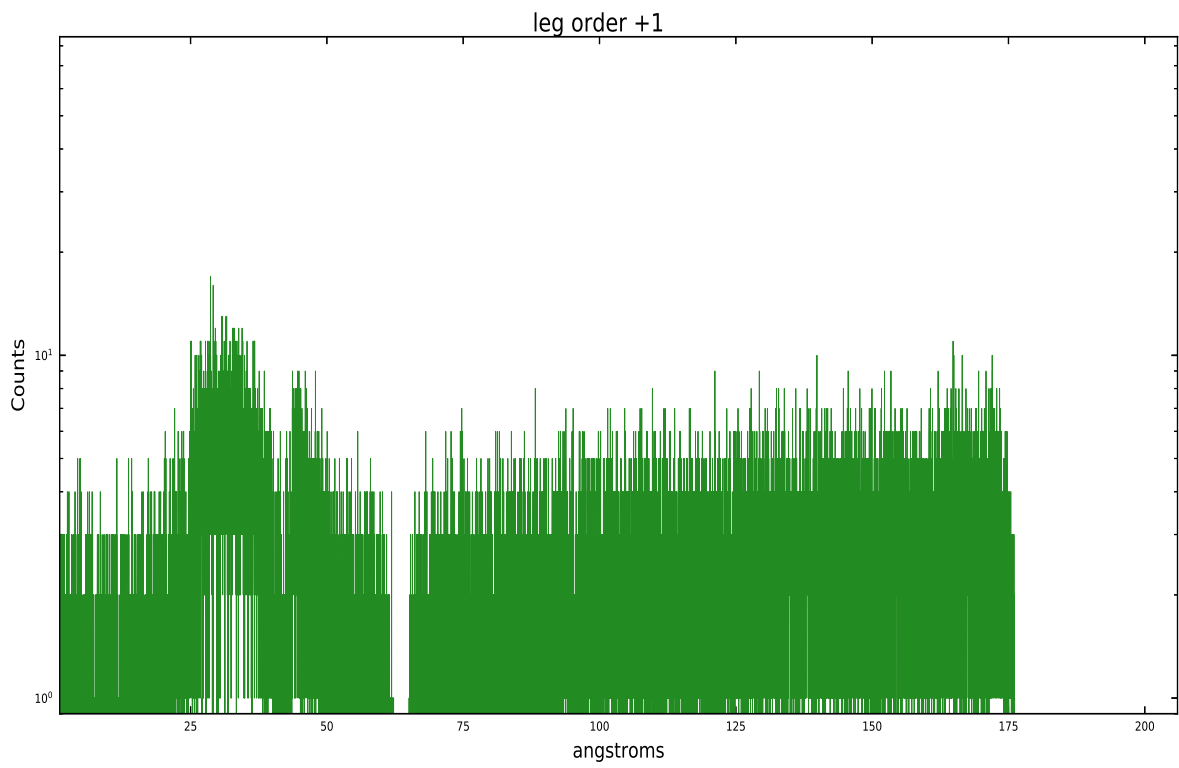
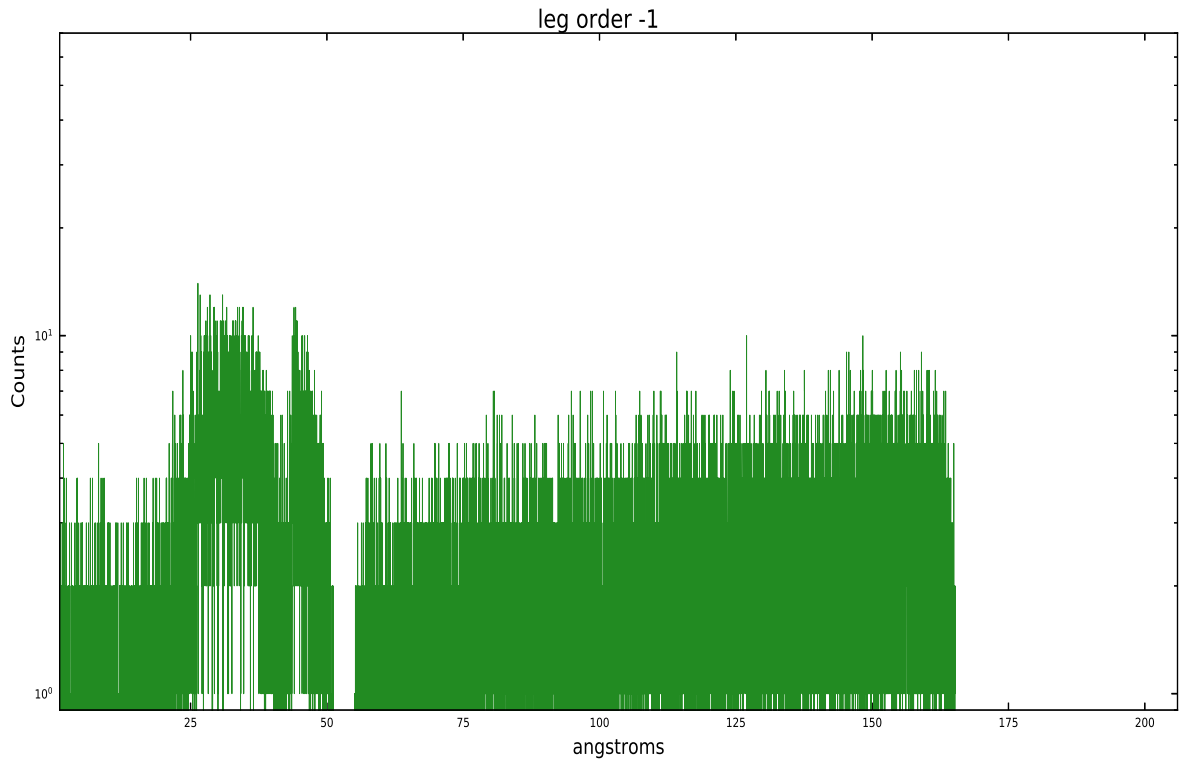


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.18553

A.2 Comments