

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5455 - L2 Version 5
Chandra X-Ray Center

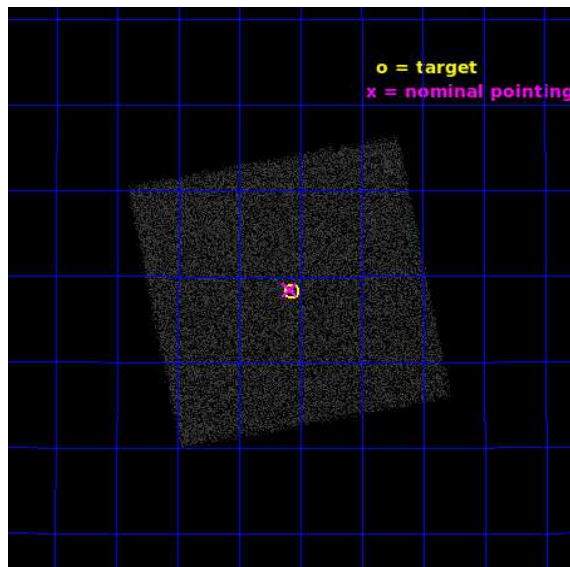
L2 Processing Date : Oct 7 2020

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1 Front

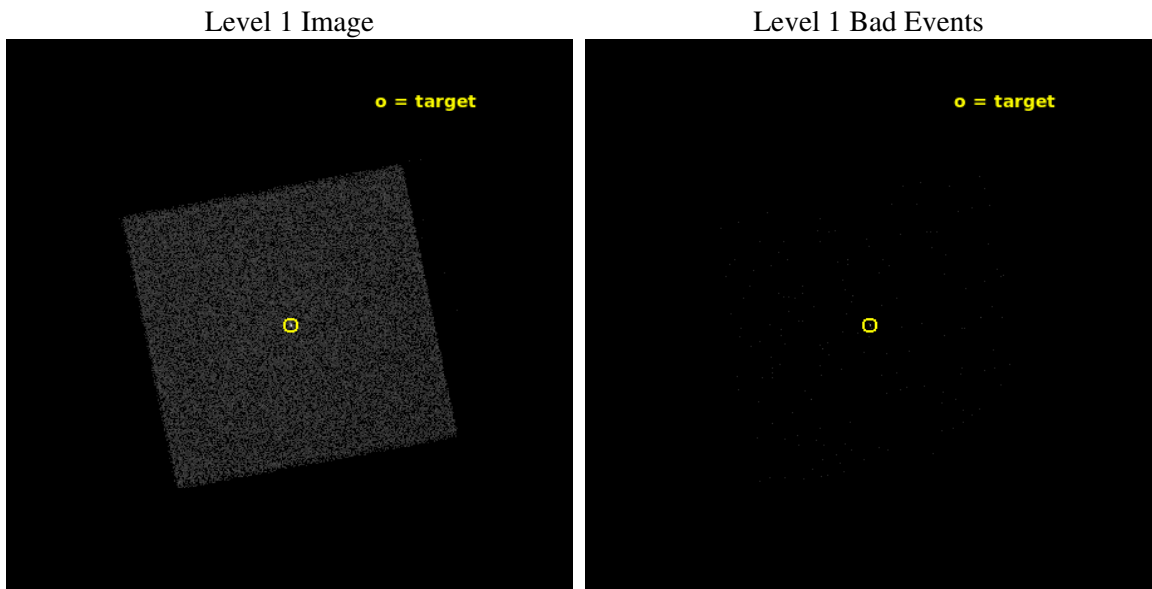
seq_num	400385	Sequence number
obs_id	5455	Observation id
title	Precise astrometry of the X-ray sources 4U1700+24 and 4U1954+319	P
observer	Dr. Nicola Masetti	Principal investigator
object	4U 1700+24	Source name
ra_targ	256.644167	Observer's specified target RA [deg]
dec_targ	23.970556	Observer's specified target Dec [deg]
ra_nom	256.64683628731	Nominal RA [deg]
dec_nom	23.974333719642	Nominal Dec [deg]
roll_nom	123.90712474654	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1157.4813026786	[s]
livetime	1149.2947187078	Ontime multiplied by DTCOR
l2events	45102	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1157.4813026786	[s]
caldbver	4.9.2	 	l1events	114341	Number of level 1 events
date	2020-10-07T23:38:12	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

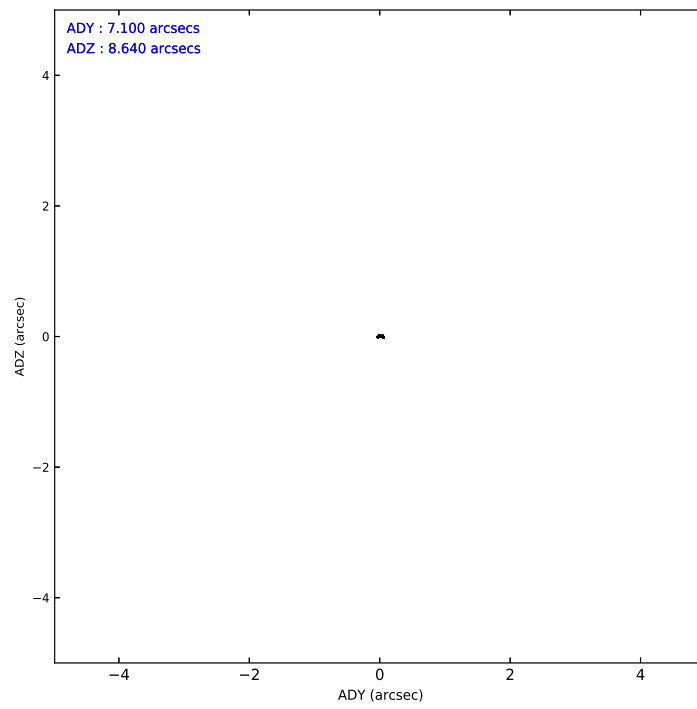
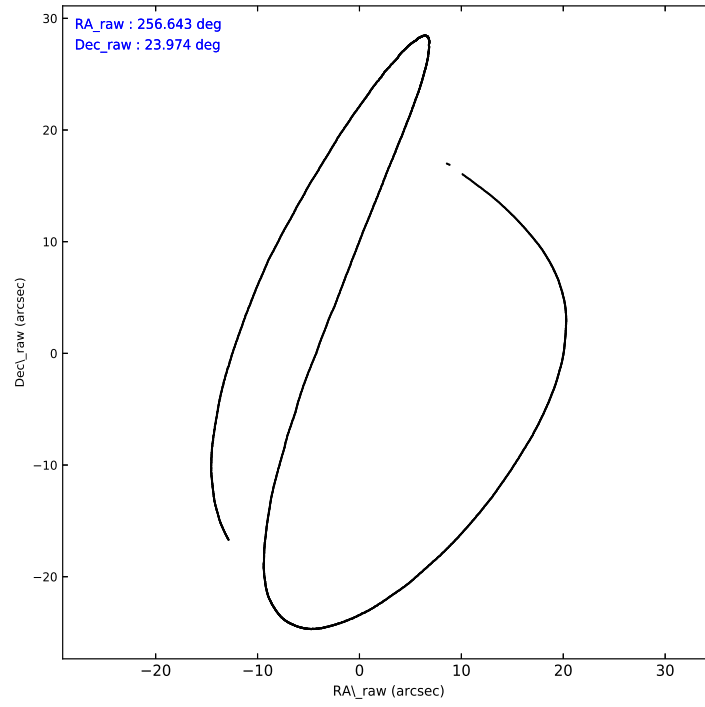
	segment 0
level 1 events	114341
rejected events	48129
rejected %	42%

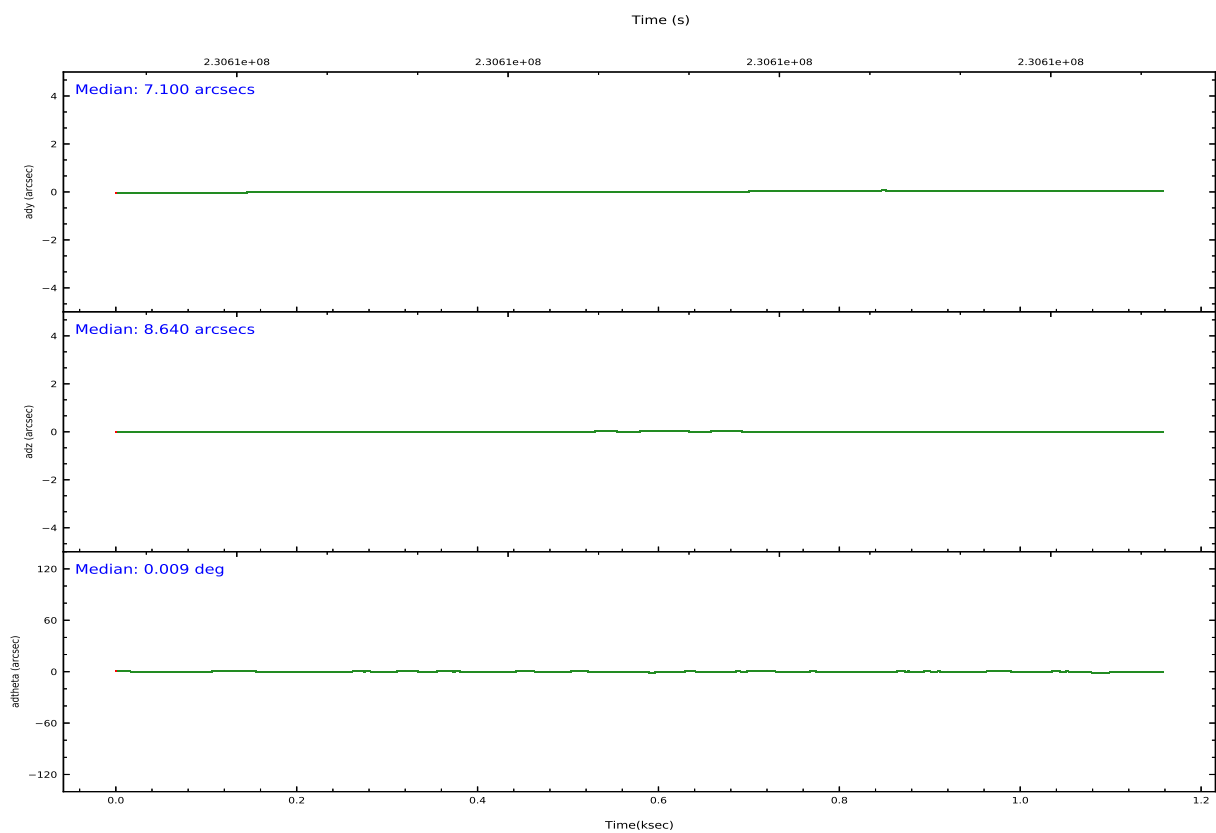
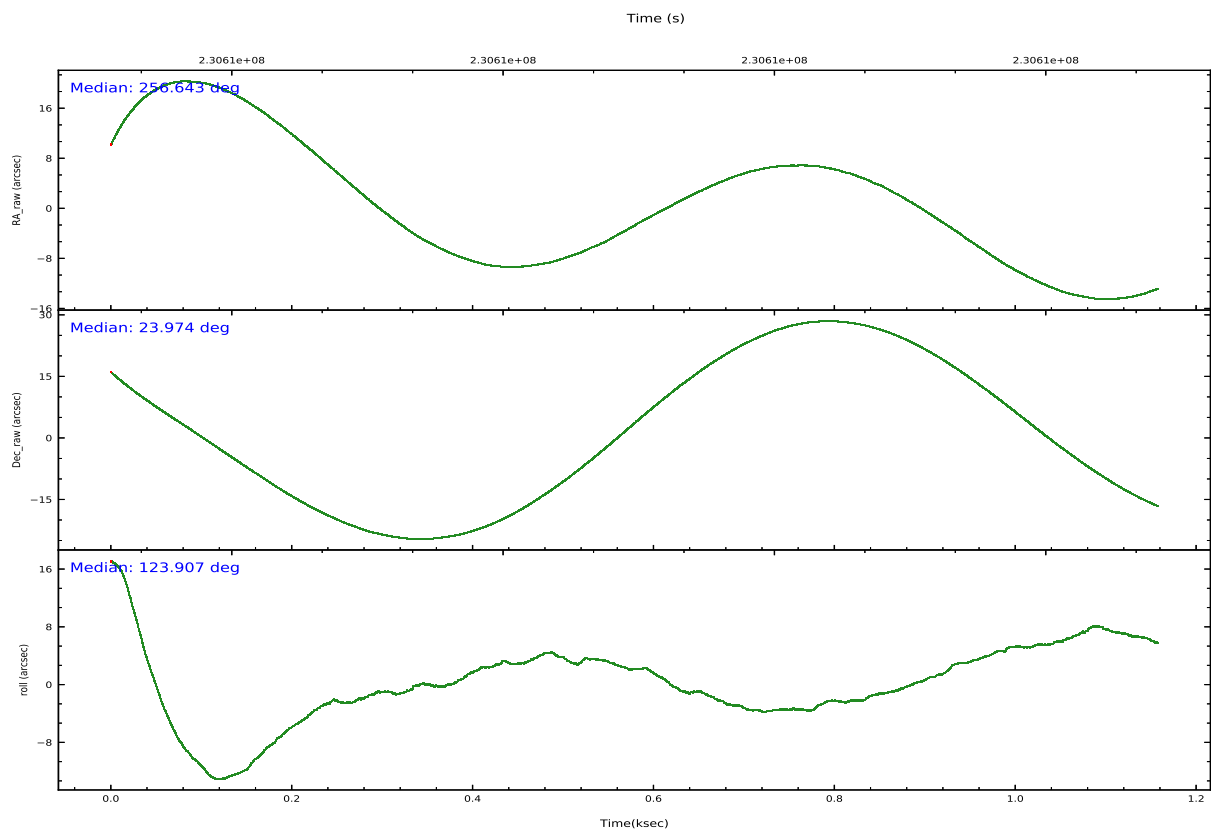
2.2 Compared Parameters

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	256.670212	256.64683628731
[deg] Pointing Dec	23.963303	23.974333719642
[deg] Pointing Roll	124.008690	123.90712474654
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	230612524.184000	230611567.13811
Observation start date	2005-04-23T03:01:00	2005-04-23T02:46:07
[s] Observation end time (MET)	230613524.184000	230614458.66324
Observation end date	2005-04-23T03:17:40	2005-04-23T03:34:18

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

2.3 Aspect



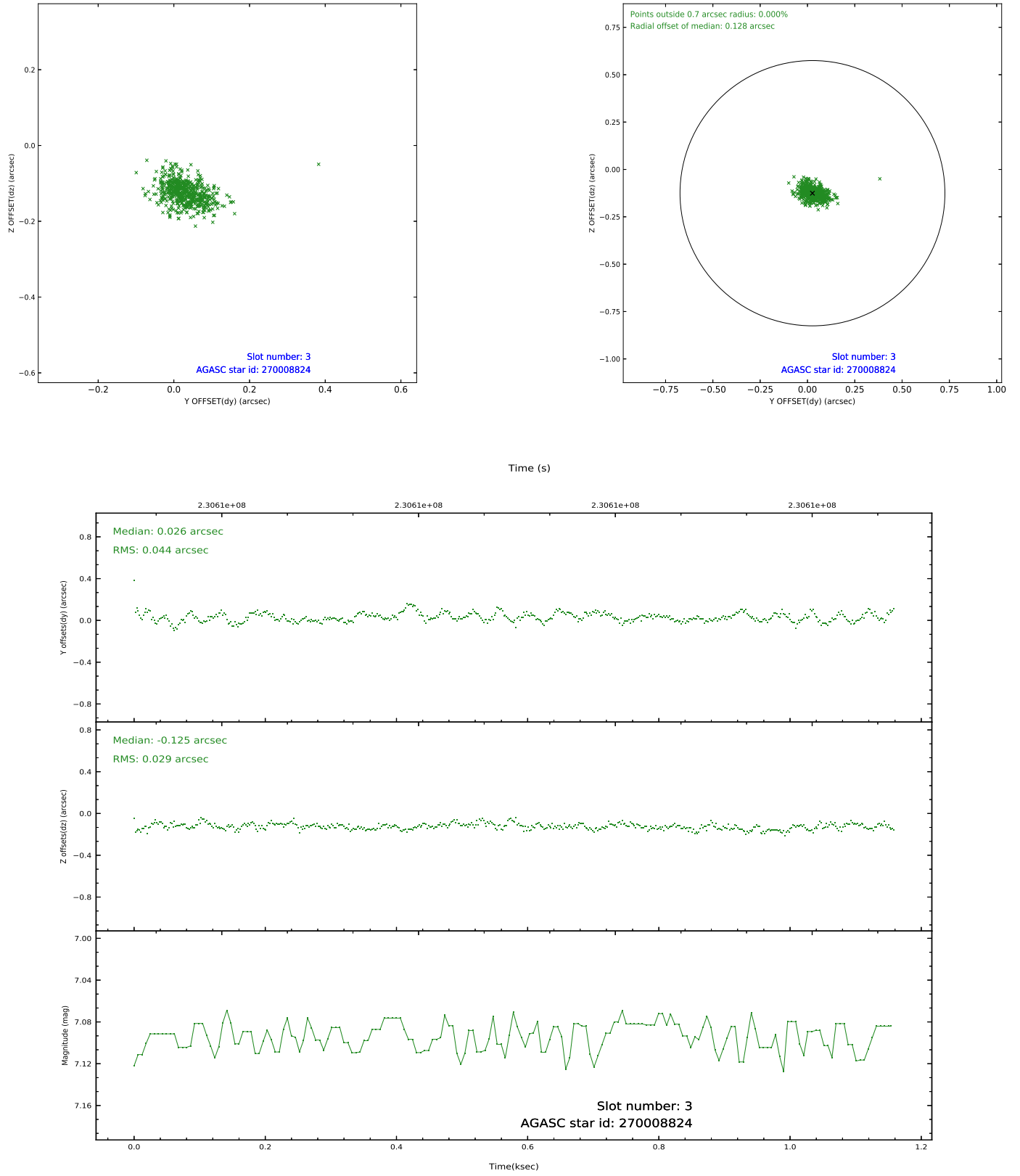


Slot Statistics

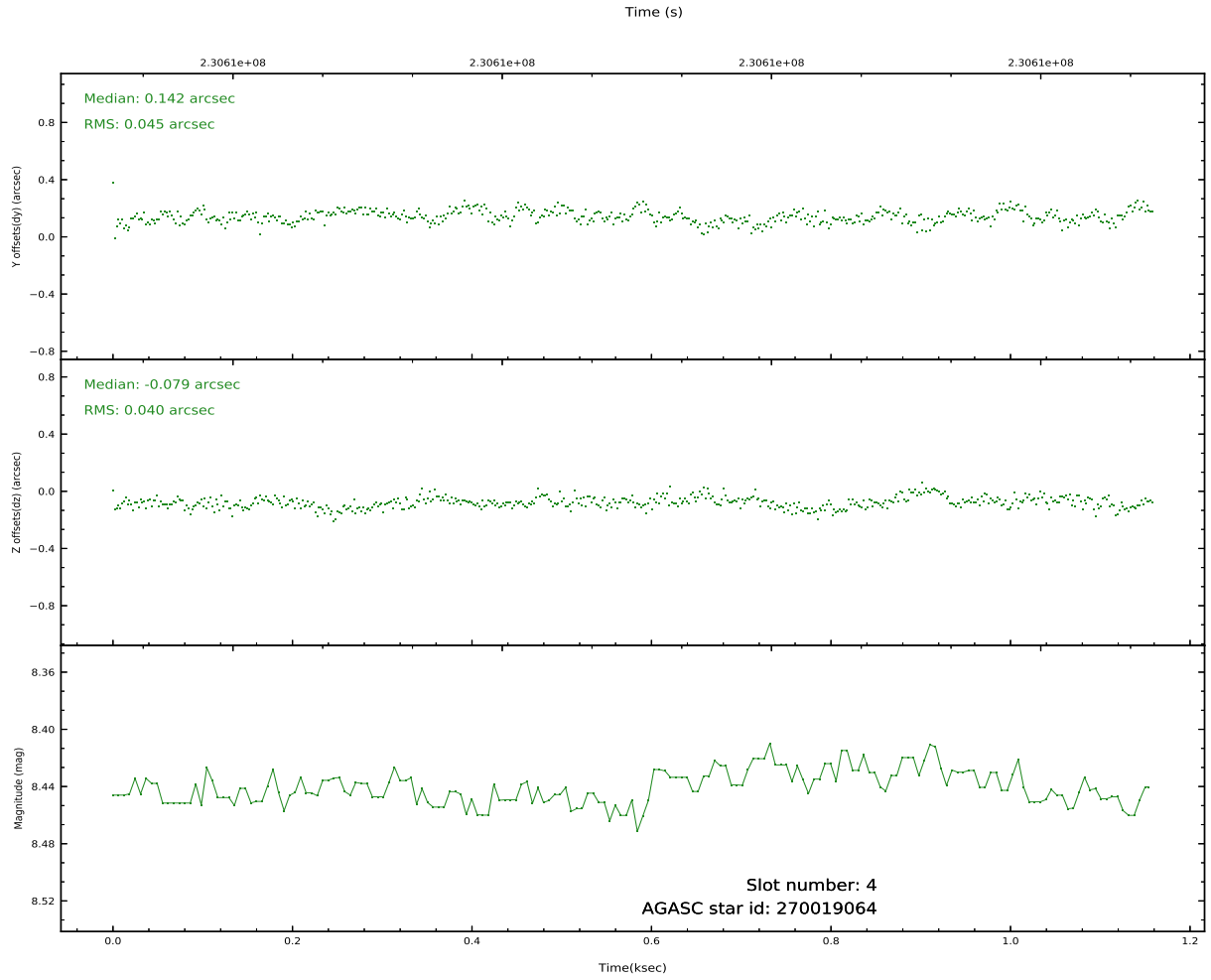
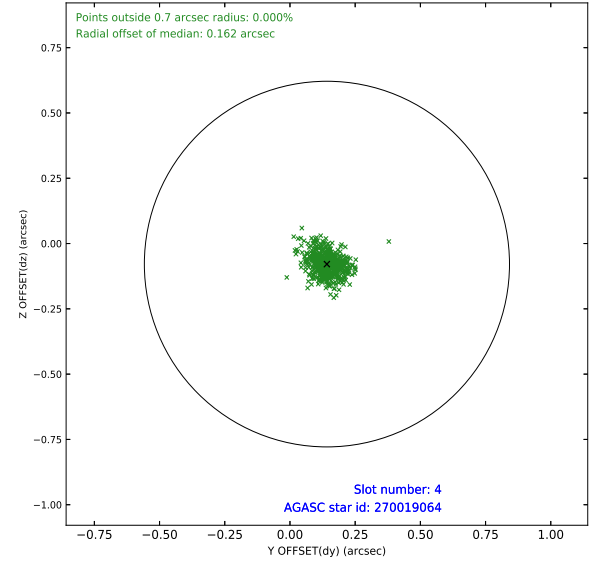
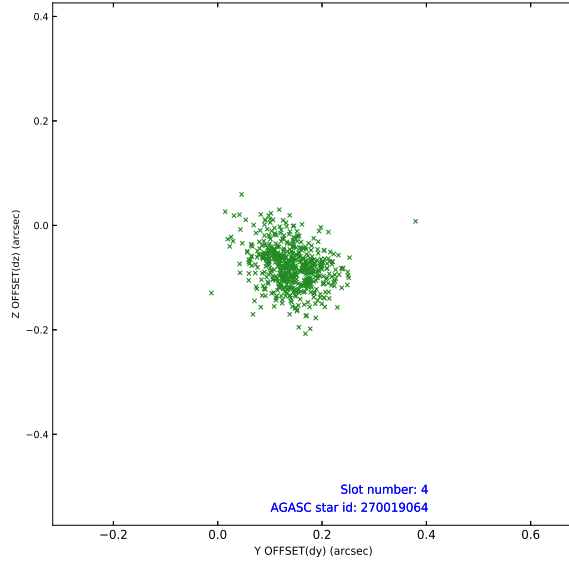
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	283	1.000	-0.006	0.043	0.007	0.011	0.000000	0.000000	-762.72	-1296
1	FID		HRC-I-2	7.01	283	1.000	0.135	-0.102	0.006	0.010	0.000000	0.000000	847.36	-1302
2	FID		HRC-I-3	7.06	283	1.000	-0.010	-0.030	0.006	0.011	0.000000	0.000000	-1188.20	1003
3	GUIDE	used	270008824	7.09	566	1.000	0.026	-0.125	0.053	0.088	256.514301	23.322063	-1624.99	1718
4	GUIDE	used	270019064	8.44	566	1.000	0.142	-0.079	0.061	0.105	256.784607	23.399474	-1896.69	825
5	GUIDE	used	270533184	8.67	566	1.000	-0.064	0.157	0.070	0.112	256.939866	24.583486	1355.19	-1979
6	GUIDE	used	270537568	7.26	566	1.000	-0.100	0.147	0.075	0.122	257.139787	24.486485	705.60	-2333
7	GUIDE	used	270011000	9.36	565	1.000	-0.008	-0.084	0.097	0.162	256.249177	24.250349	1632.69	562

2.4 Star Slots

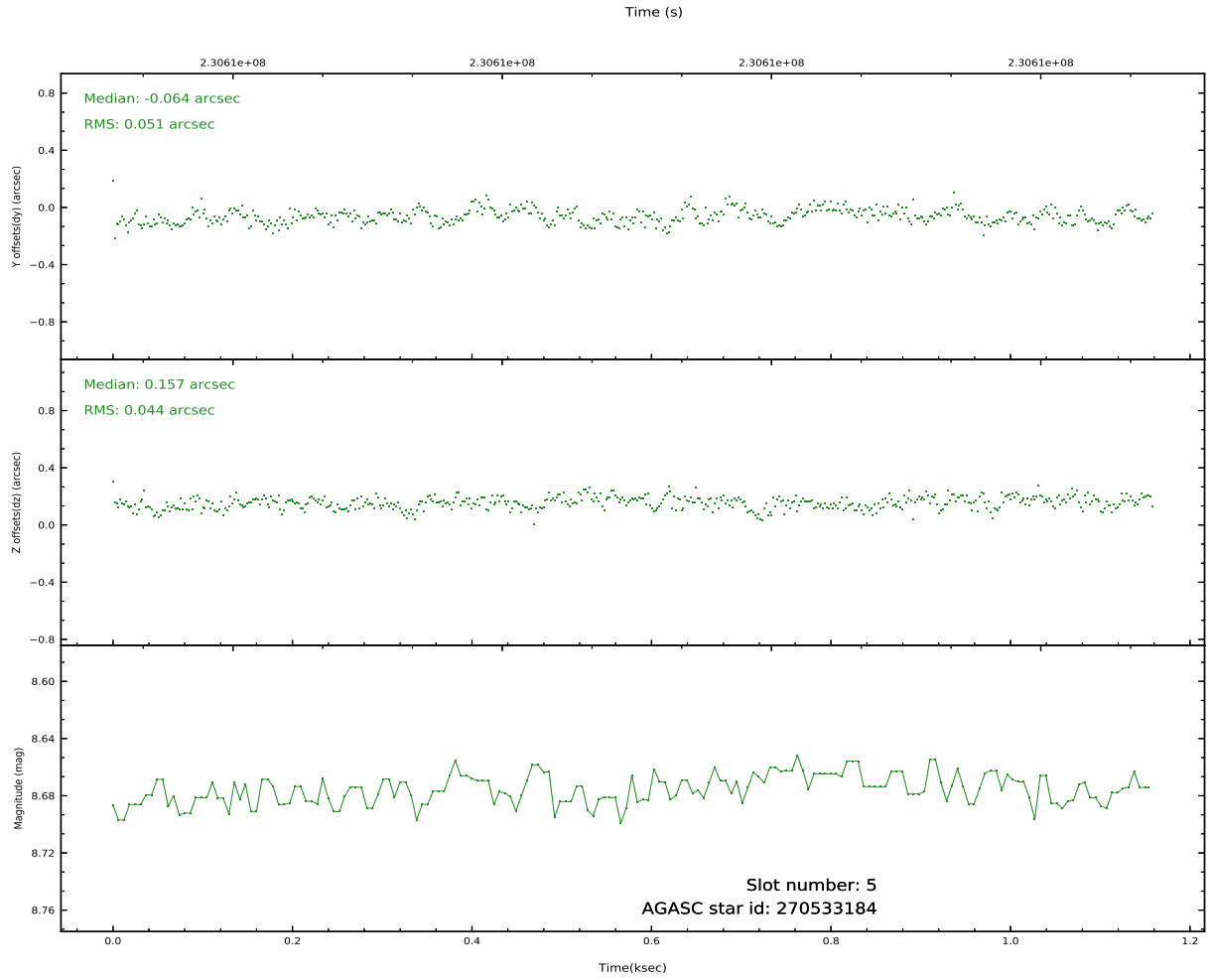
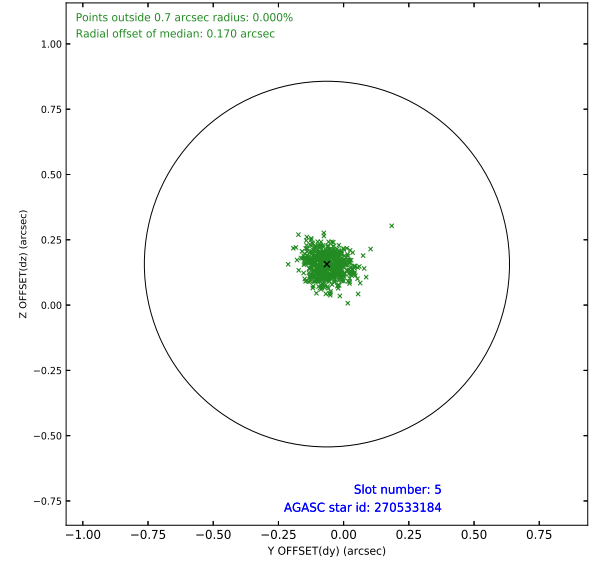
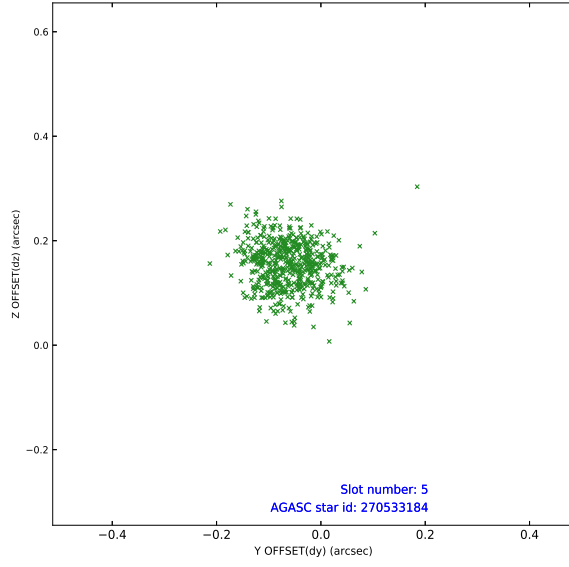
2.4.1 Slot 3



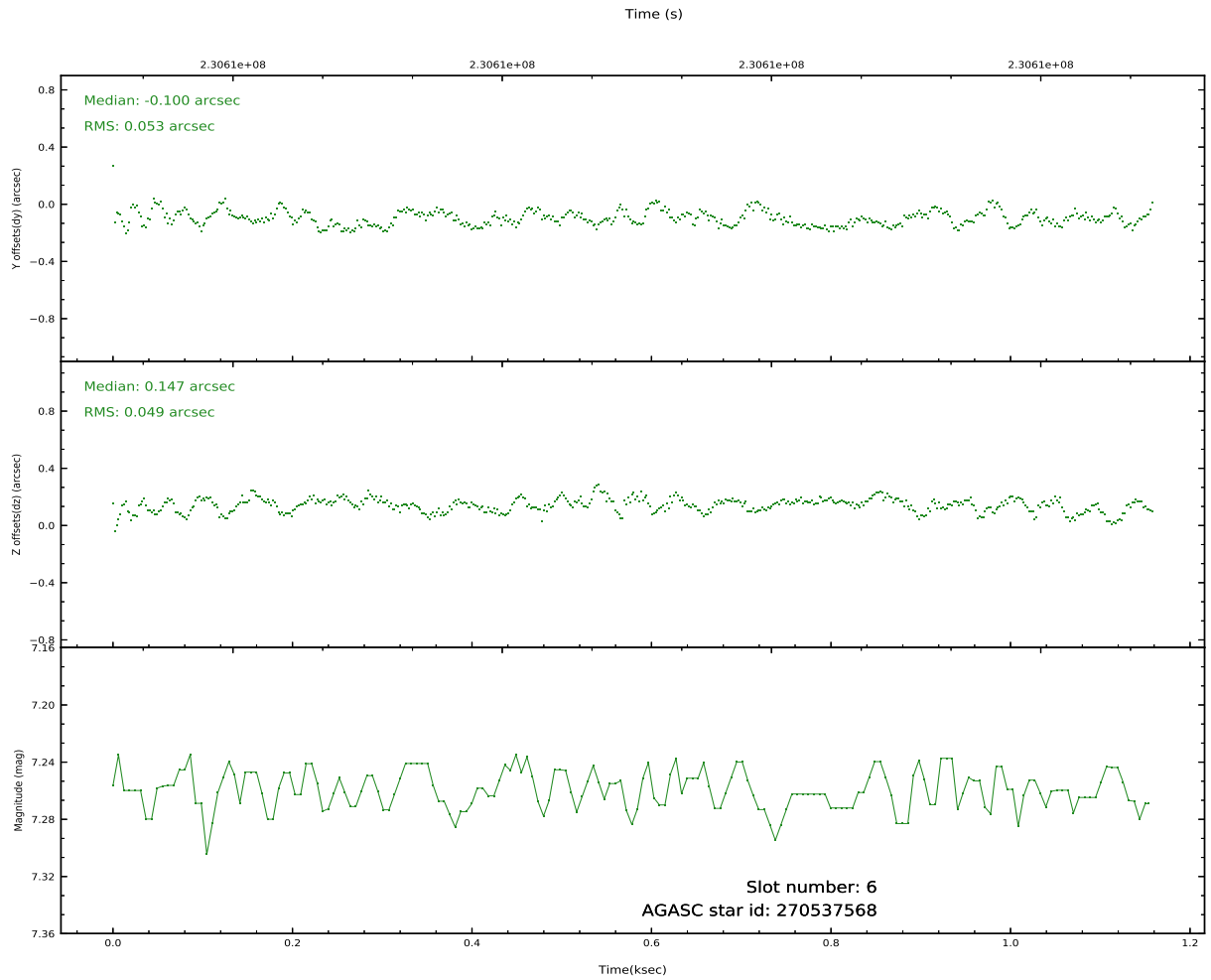
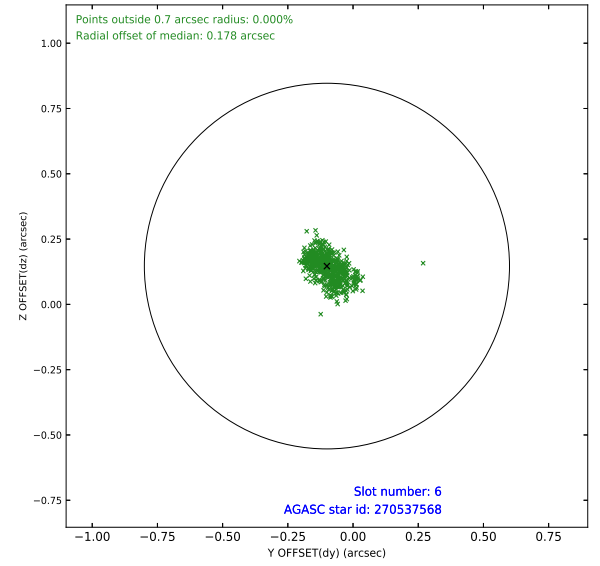
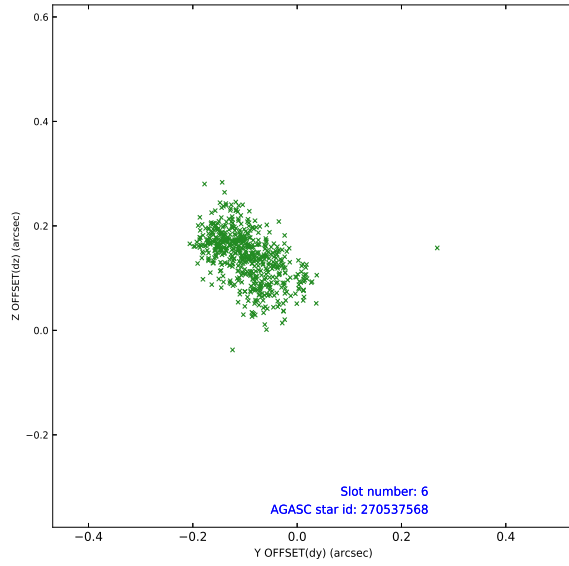
2.4.2 Slot 4



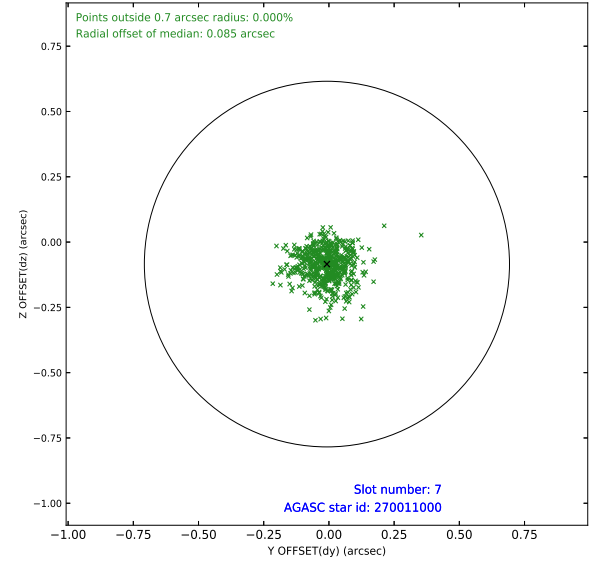
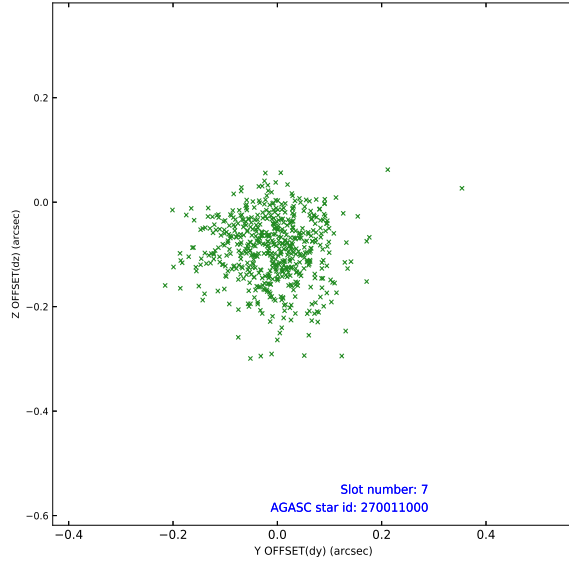
2.4.3 Slot 5



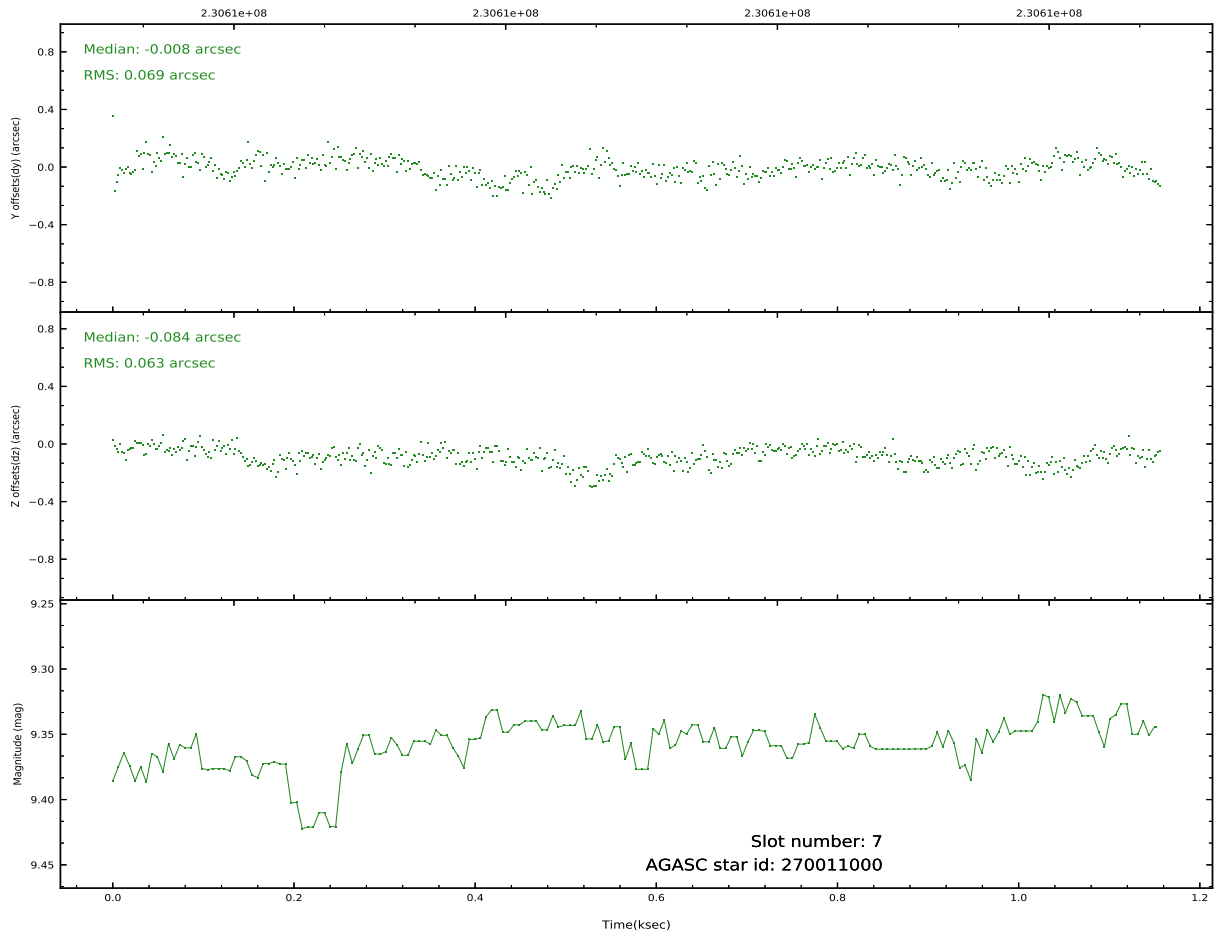
2.4.4 Slot 6



2.4.5 Slot 7

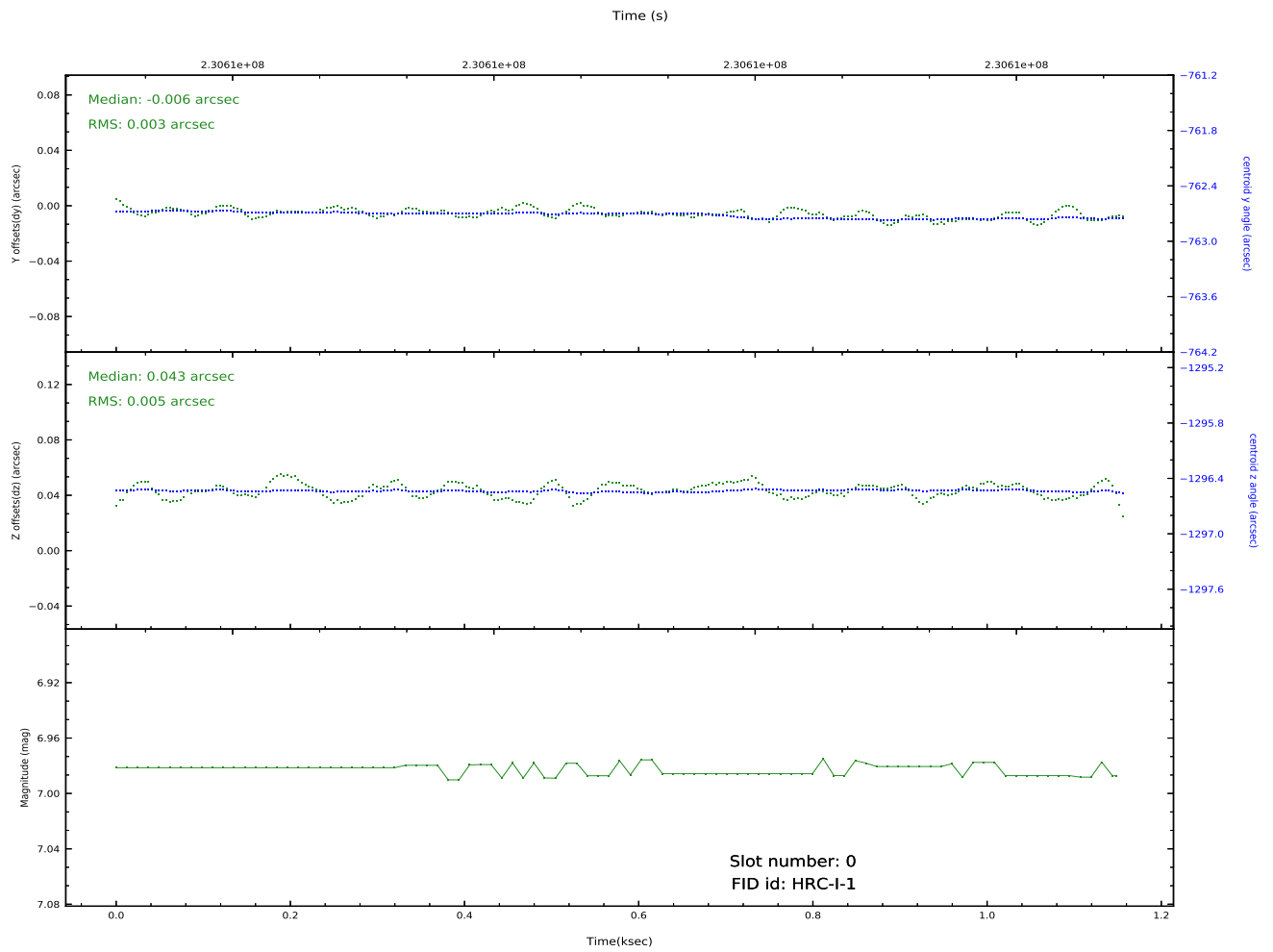
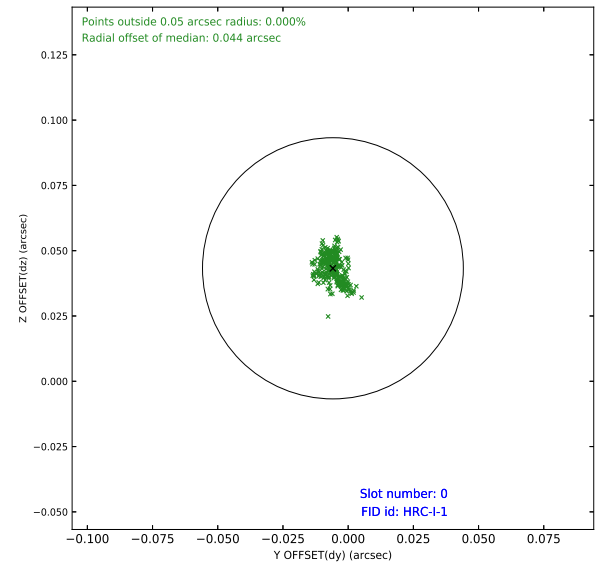
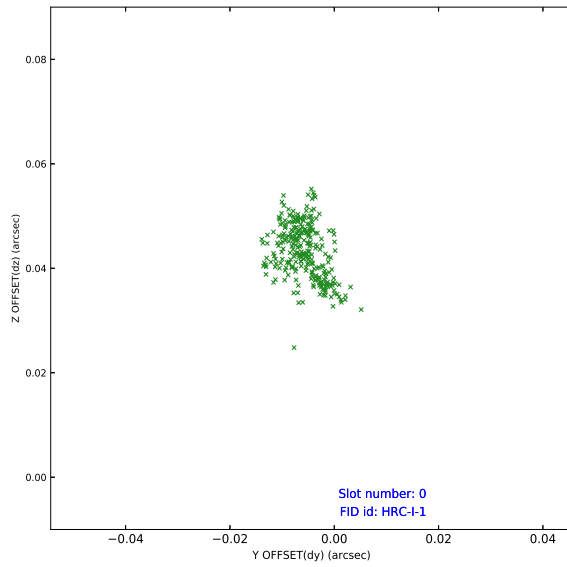


Time (s)

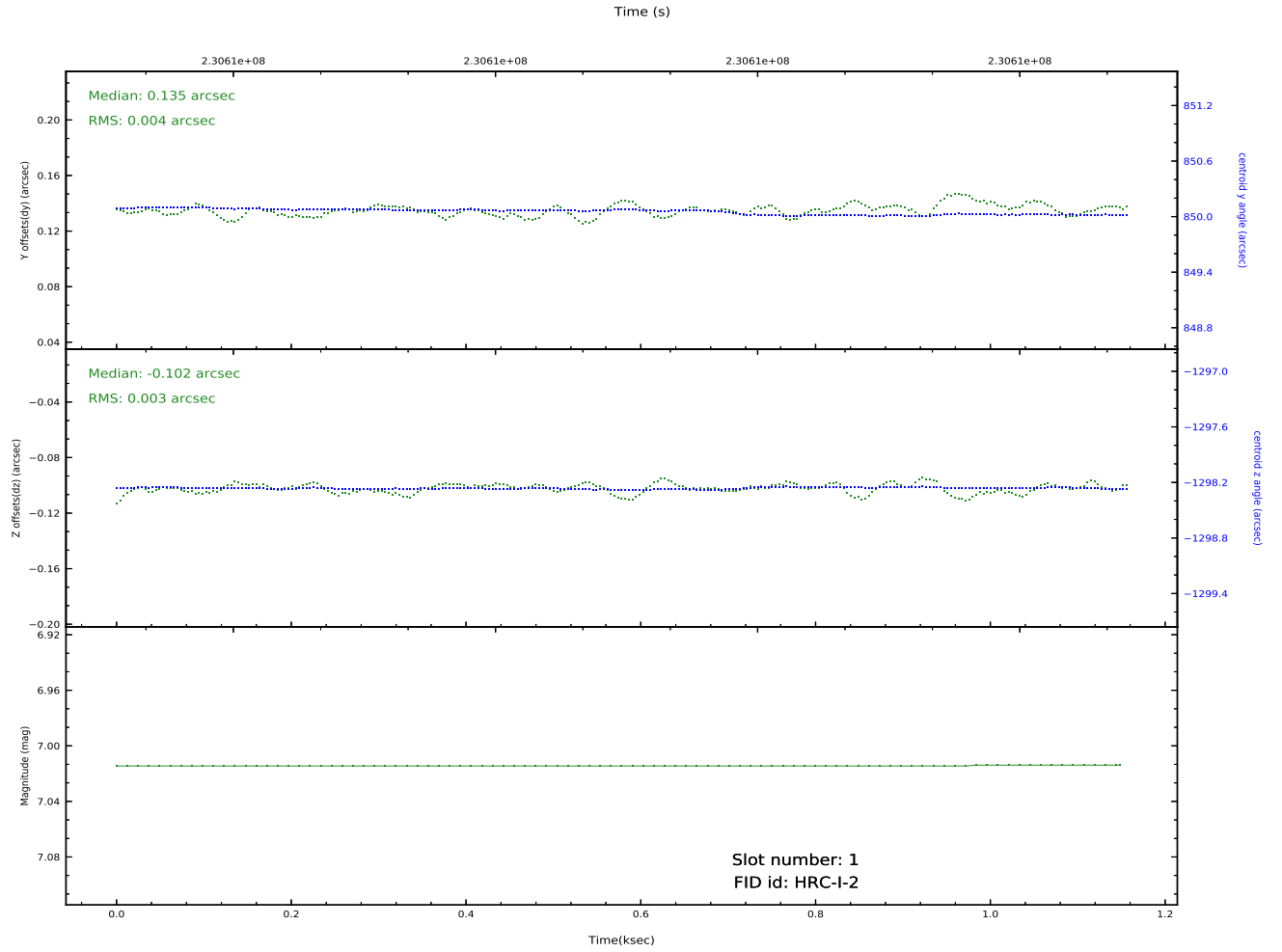
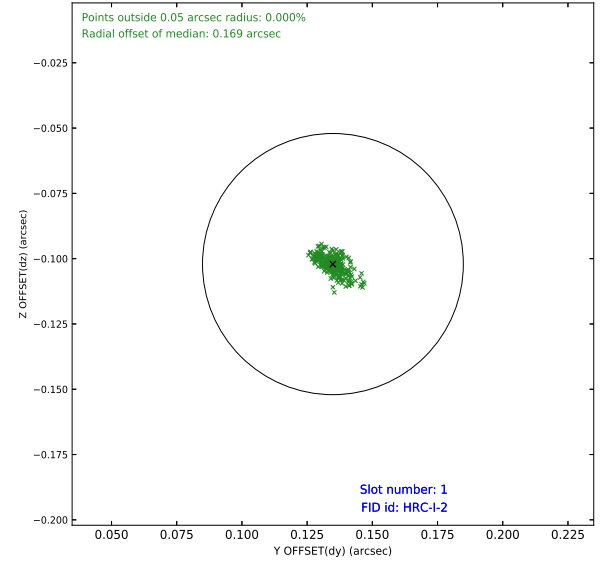
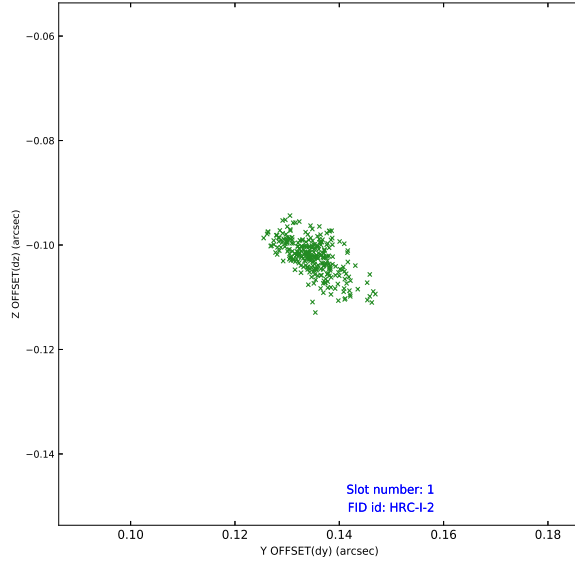


2.5 FID Slots

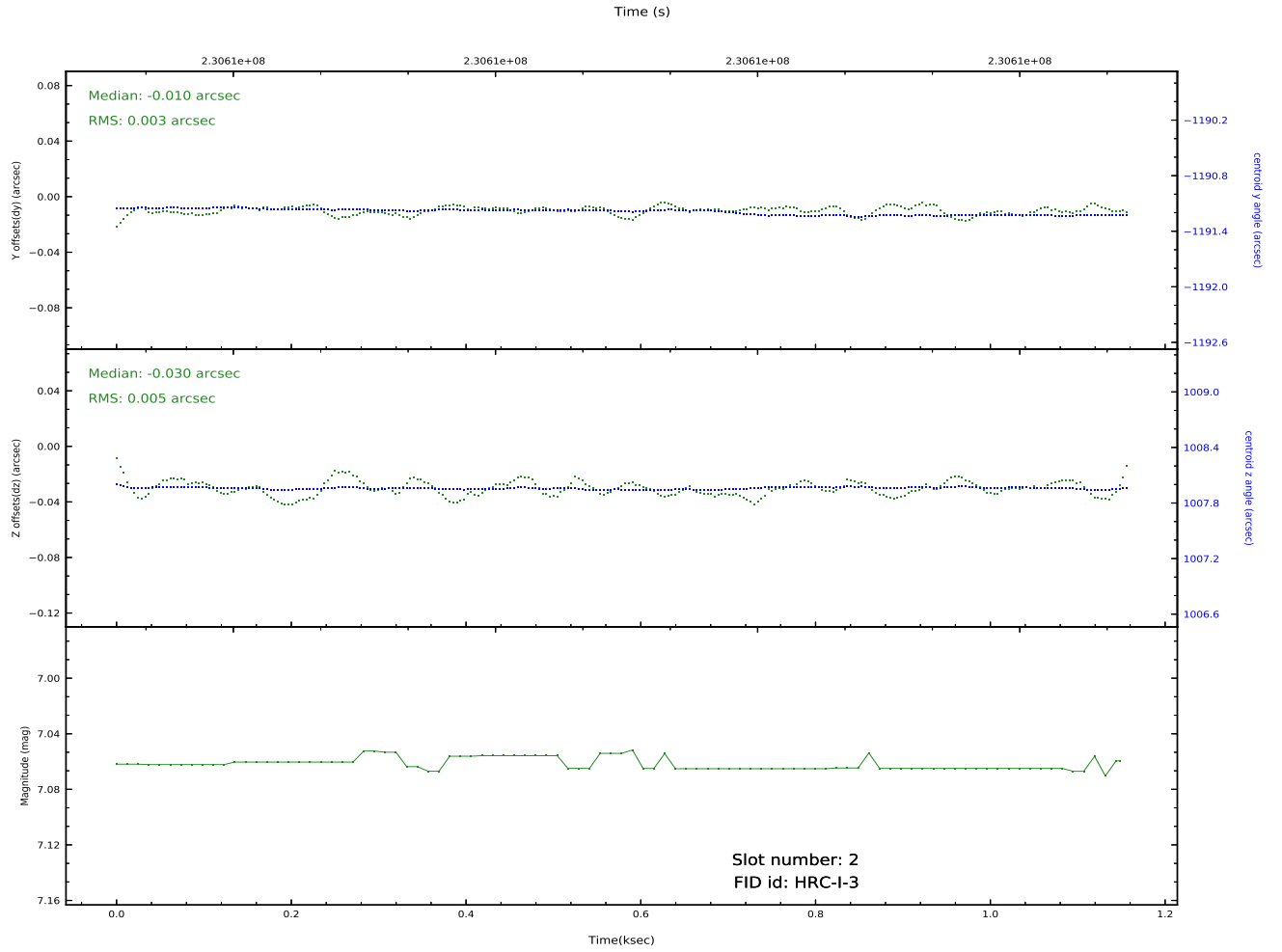
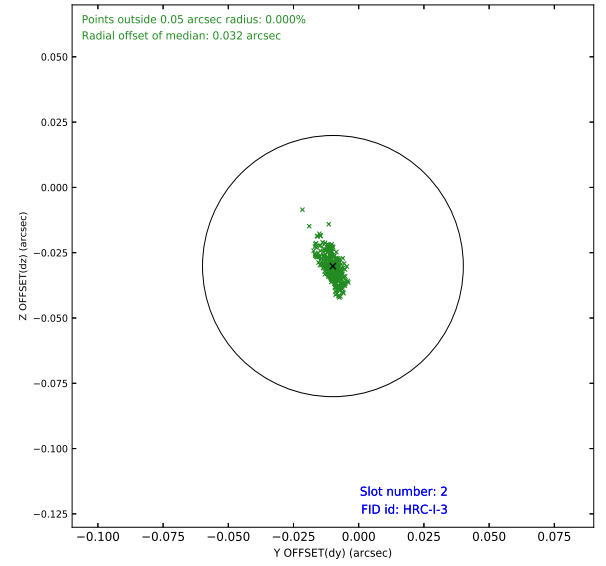
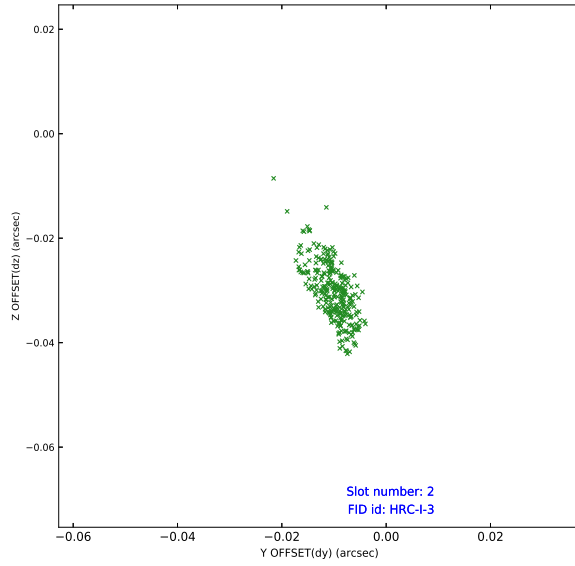
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.157481

A.2 Comments