

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20743 - L2 Version 2
Chandra X-Ray Center

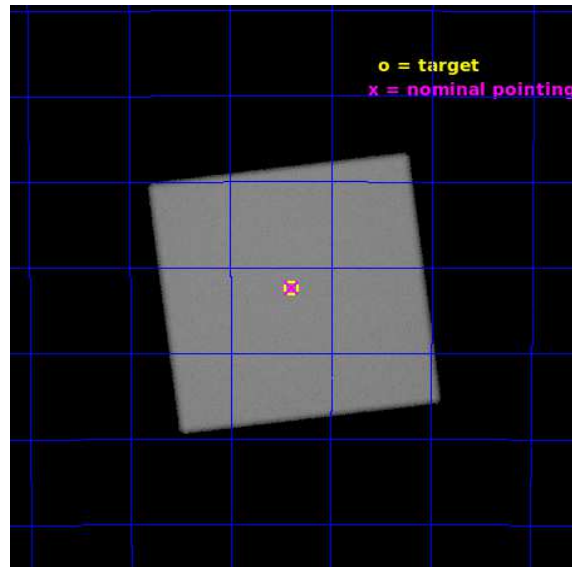
L2 Processing Date : Oct 27 2020

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1 Front

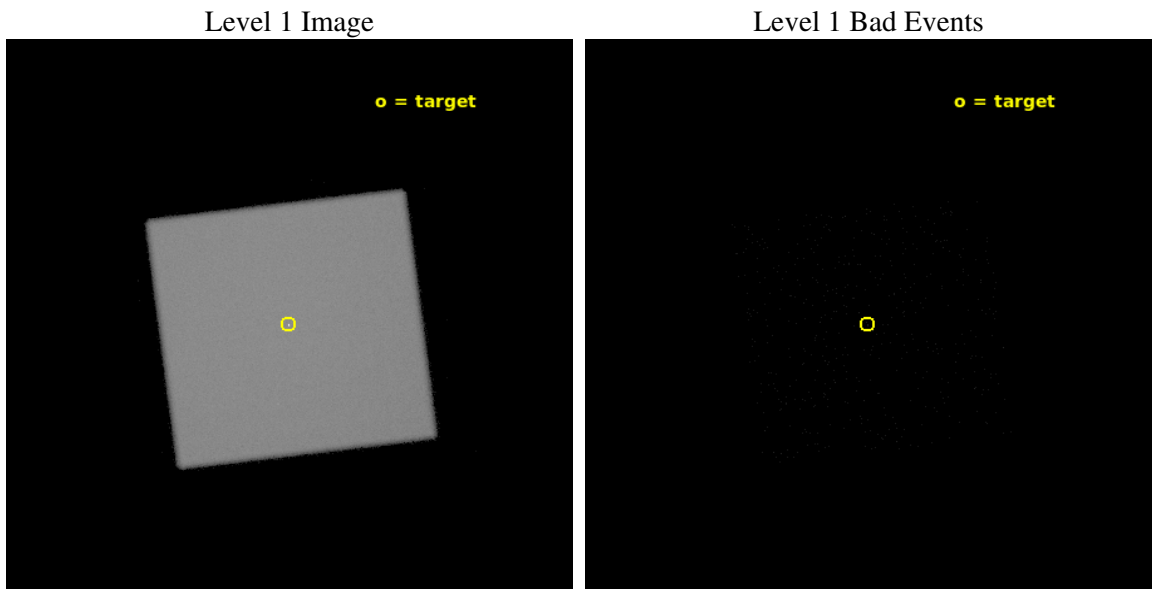
seq_num	503037	Sequence number
obs_id	20743	Observation id
title	Magnificently dusty?	Proposal title
observer	Gordon Garmire	Principal investigator
object	RXJ0806	Source name
ra_targ	121.5975	Observer's specified target RA [deg]
dec_targ	-41.37525	Observer's specified target Dec [deg]
ra_nom	121.59706692719	Nominal RA [deg]
dec_nom	-41.372972929016	Nominal Dec [deg]
roll_nom	127.87779421049	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30173.183041811	[s]
livetime	29798.317956099	Ontime multiplied by DTCOR
l2events	3192062	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	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	30173.183041811	[s]
caldbver	4.9.3	 	l1events	4030859	Number of level 1 events
date	2020-10-27T16:03:35	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

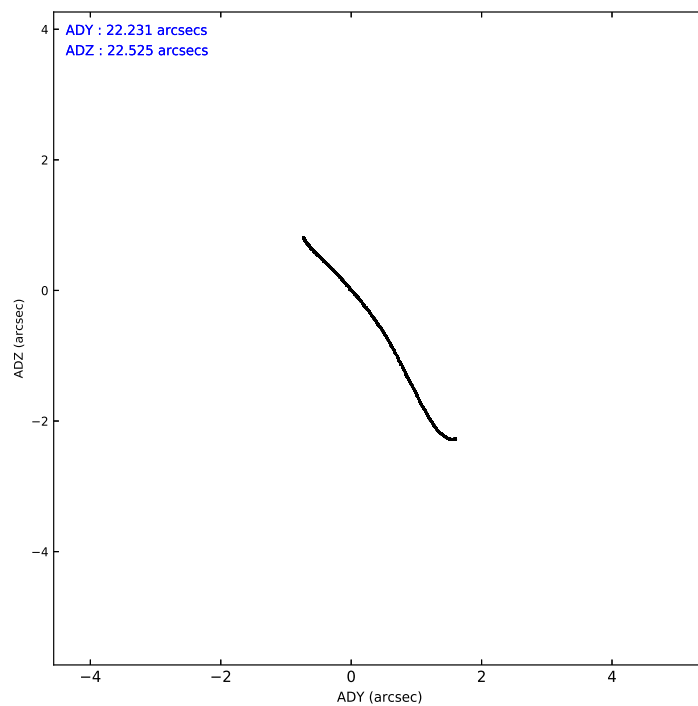
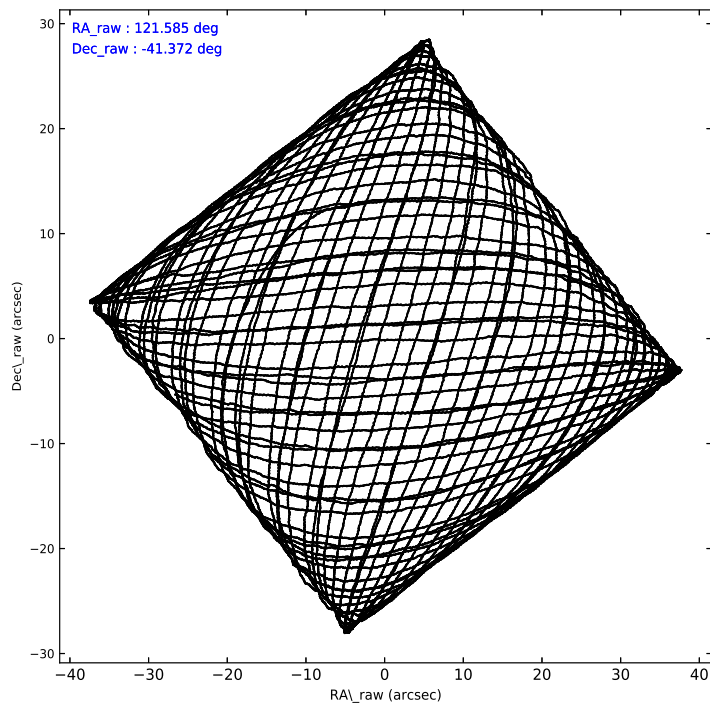
Level 1 Events

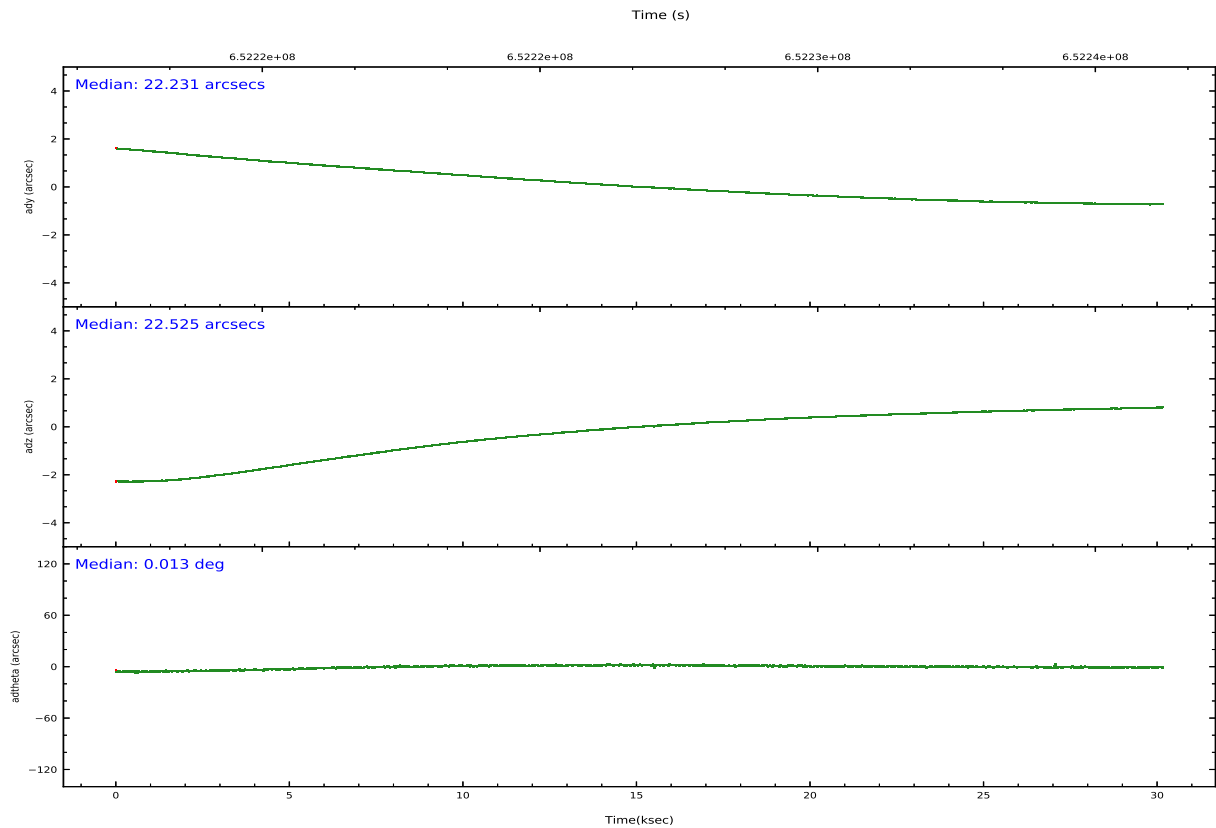
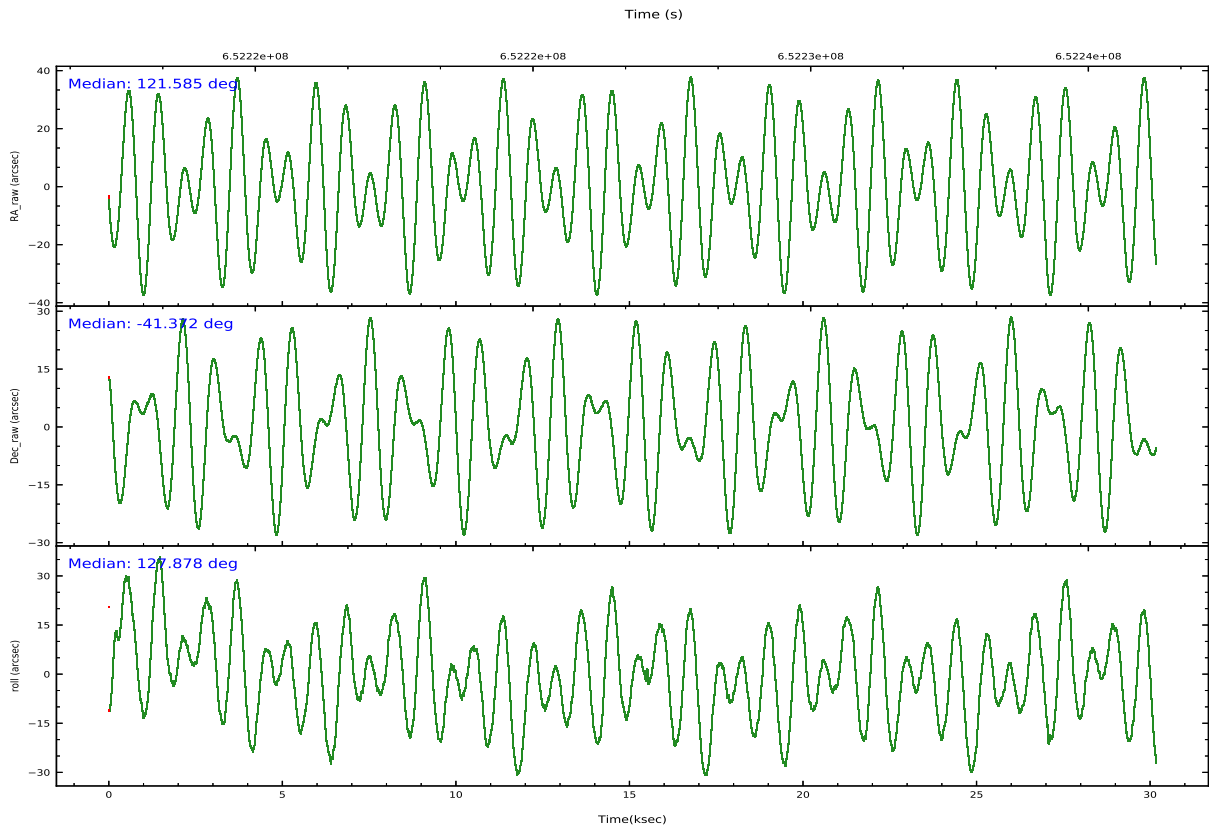
	segment 0
level 1 events	4030859
rejected events	138610
rejected %	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	121.619116	121.59706692719			
[deg] Pointing Dec	-41.381434	-41.372972929016			
[deg] Pointing Roll	128.014287	127.87779421049			
[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)	652211954.184000	652210742.9212199			
Observation start date	2018-09-01T17:58:05	2018-09-01T17:39:02			
[s] Observation end time (MET)	652241954.184000	652243008.38564			
Observation end date	2018-09-02T02:18:05	2018-09-02T02:36:48			

2.3 Aspect





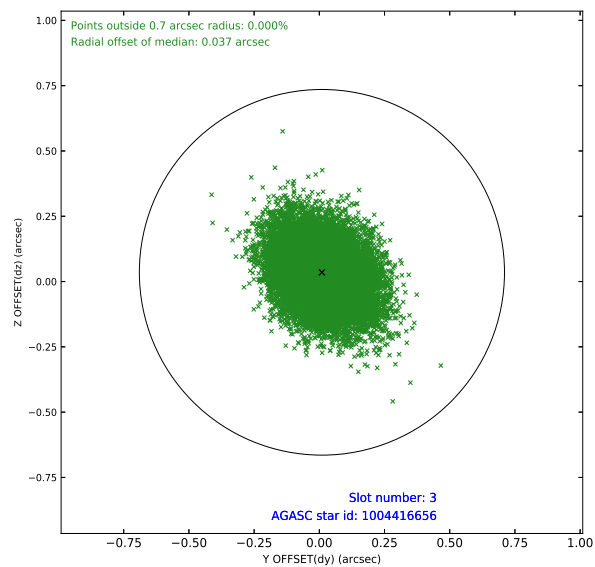
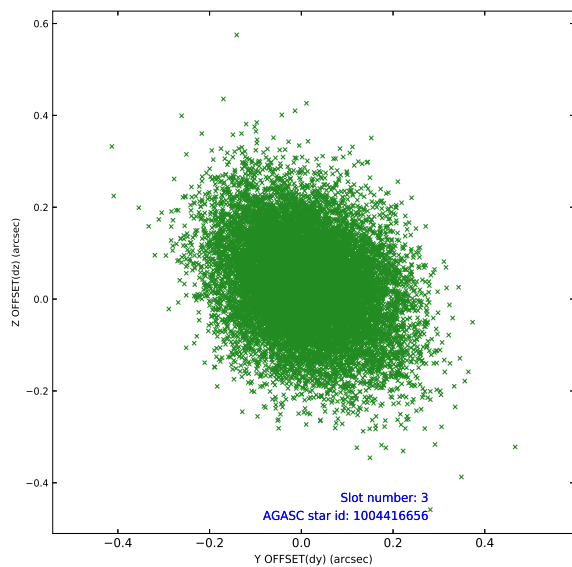
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	7.00	7360	1.000	-0.033	0.085	0.016	0.024	0.000000	0.000000	-778.52	-1310
1	FID		HRC-I-2	7.03	7360	1.000	0.303	-0.270	0.028	0.038	0.000000	0.000000	834.34	-1312
2	FID		HRC-I-3	7.09	7359	1.000	-0.152	0.100	0.024	0.036	0.000000	0.000000	-1206.83	994
3	GUIDE	used	1004416656	8.84	14707	1.000	0.010	0.035	0.149	0.248	121.697217	-40.742577	1681.37	-1583
4	GUIDE	used	1004929600	7.26	14718	1.000	0.151	0.143	0.124	0.204	122.465633	-41.276185	-1119.78	-2030
5	GUIDE	used	1004412976	9.30	14673	1.000	0.052	-0.276	0.260	0.413	120.810429	-41.043846	2302.06	987
6	GUIDE	used	1004409472	8.10	14714	1.000	-0.007	0.255	0.131	0.222	122.182321	-40.879602	476.26	-2316
7	GUIDE	used	1004973776	7.01	14717	1.000	-0.213	-0.171	0.107	0.179	121.821280	-41.735378	-1338.61	356

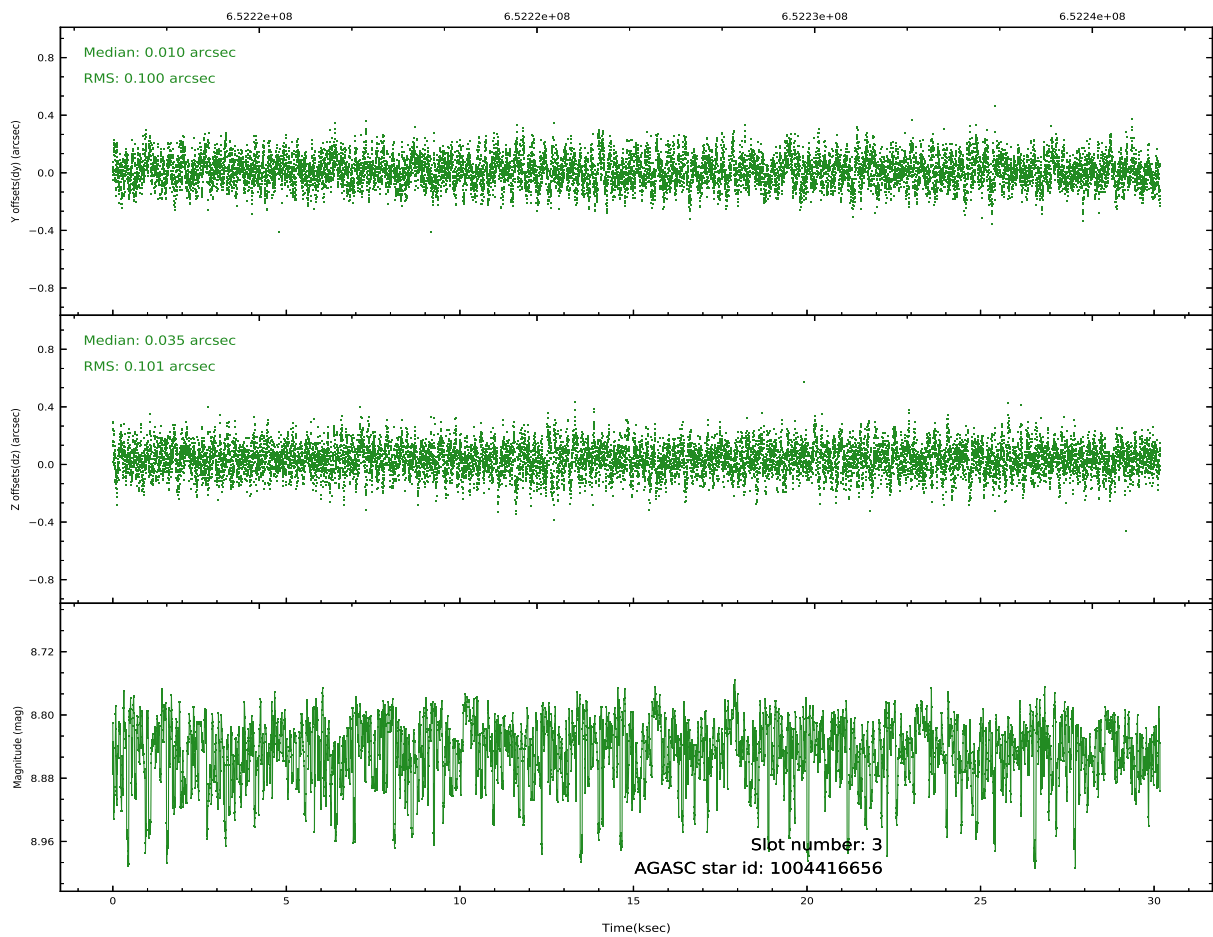
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2.4 Star Slots

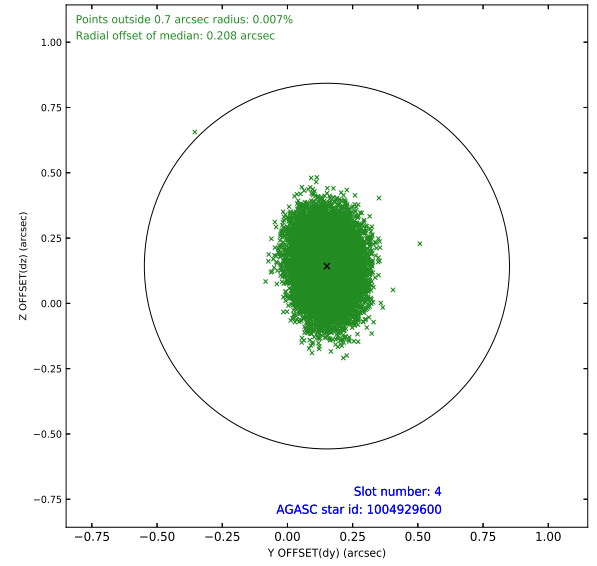
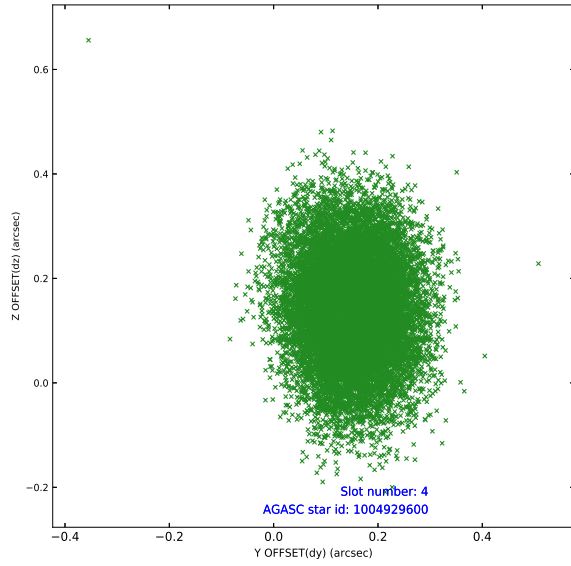
2.4.1 Slot 3



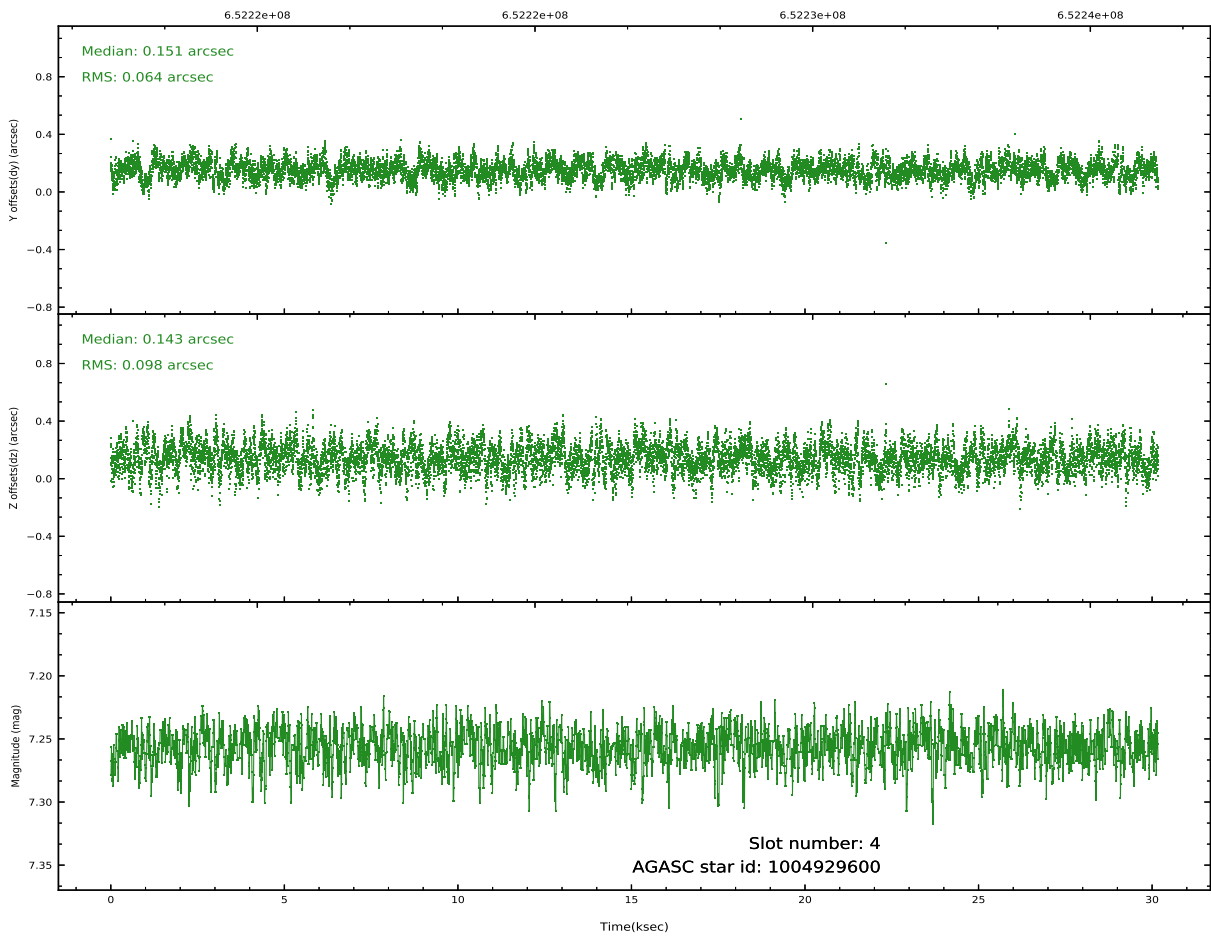
Time (s)



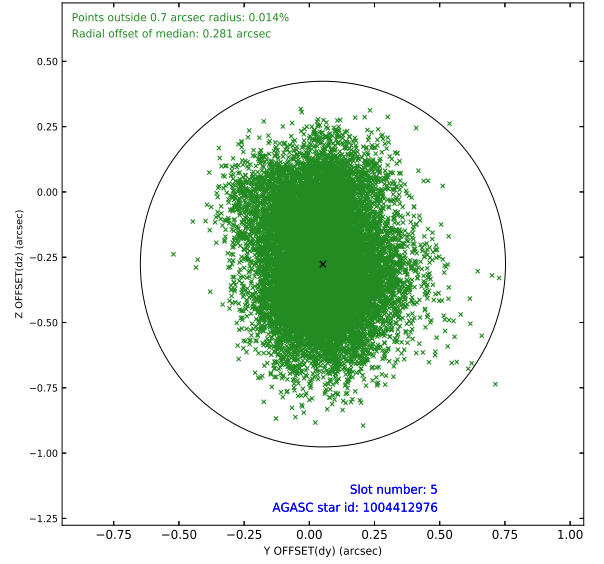
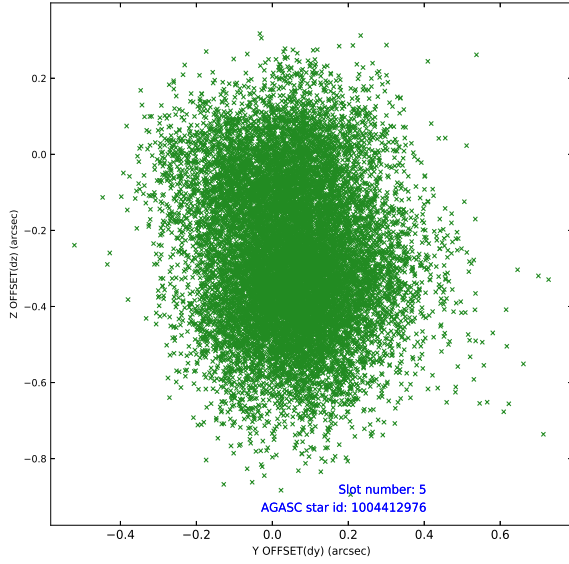
2.4.2 Slot 4



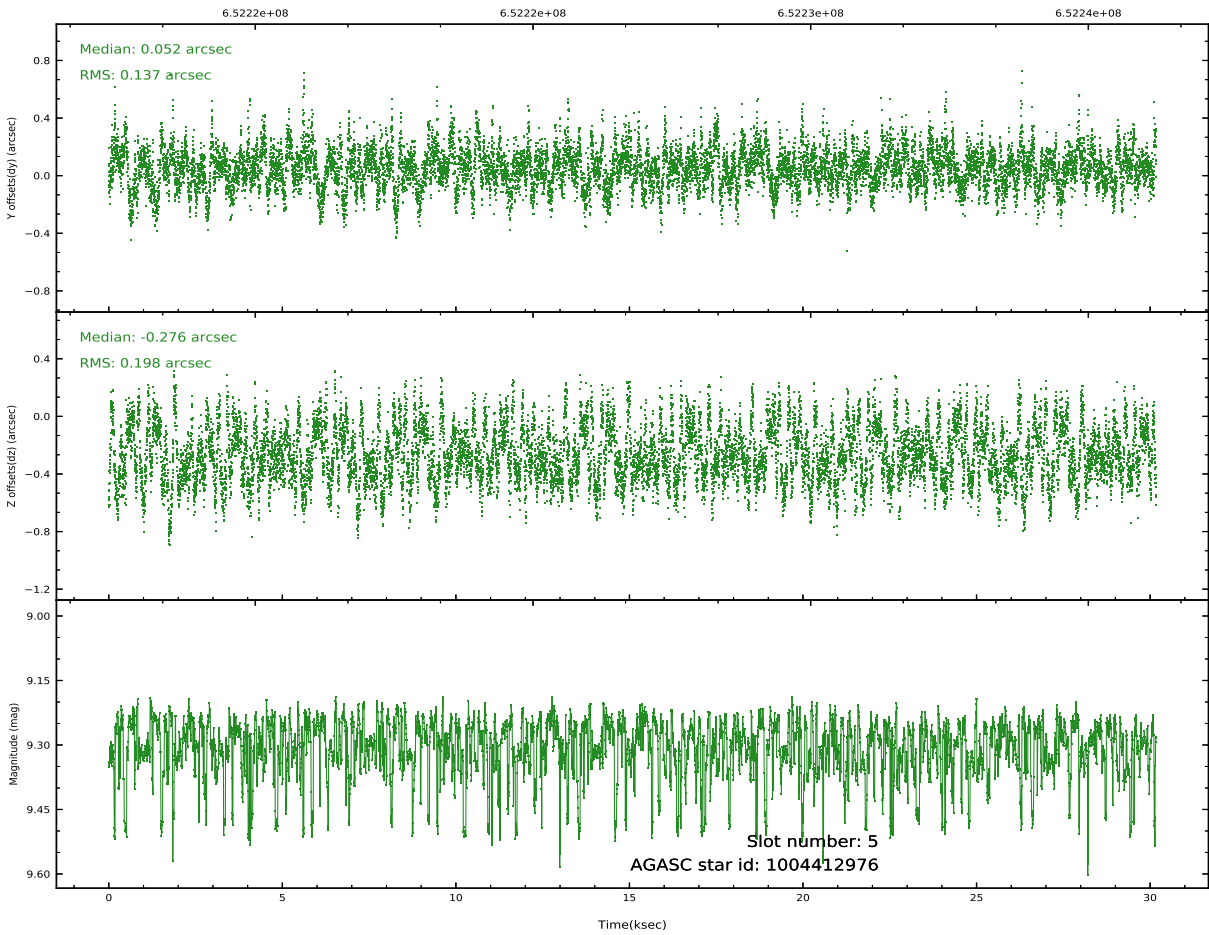
Time (s)



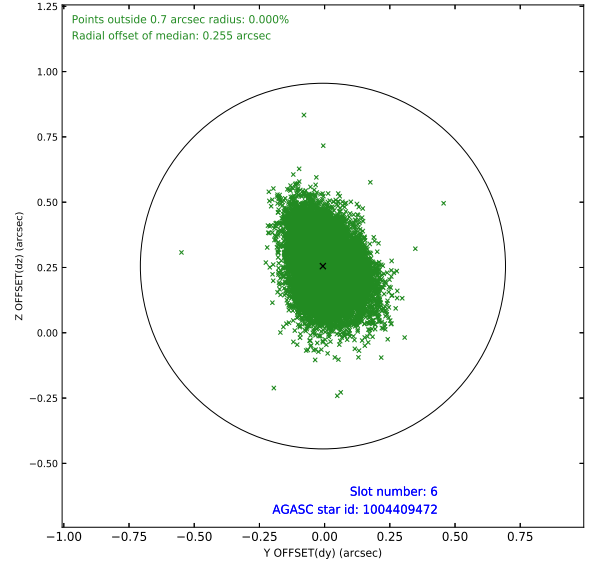
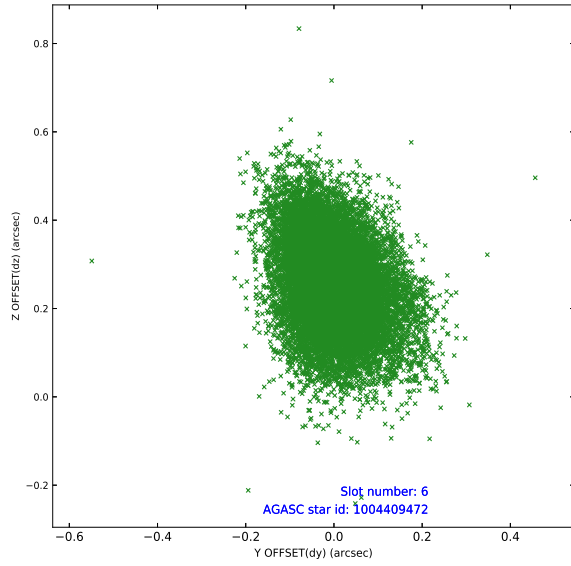
2.4.3 Slot 5



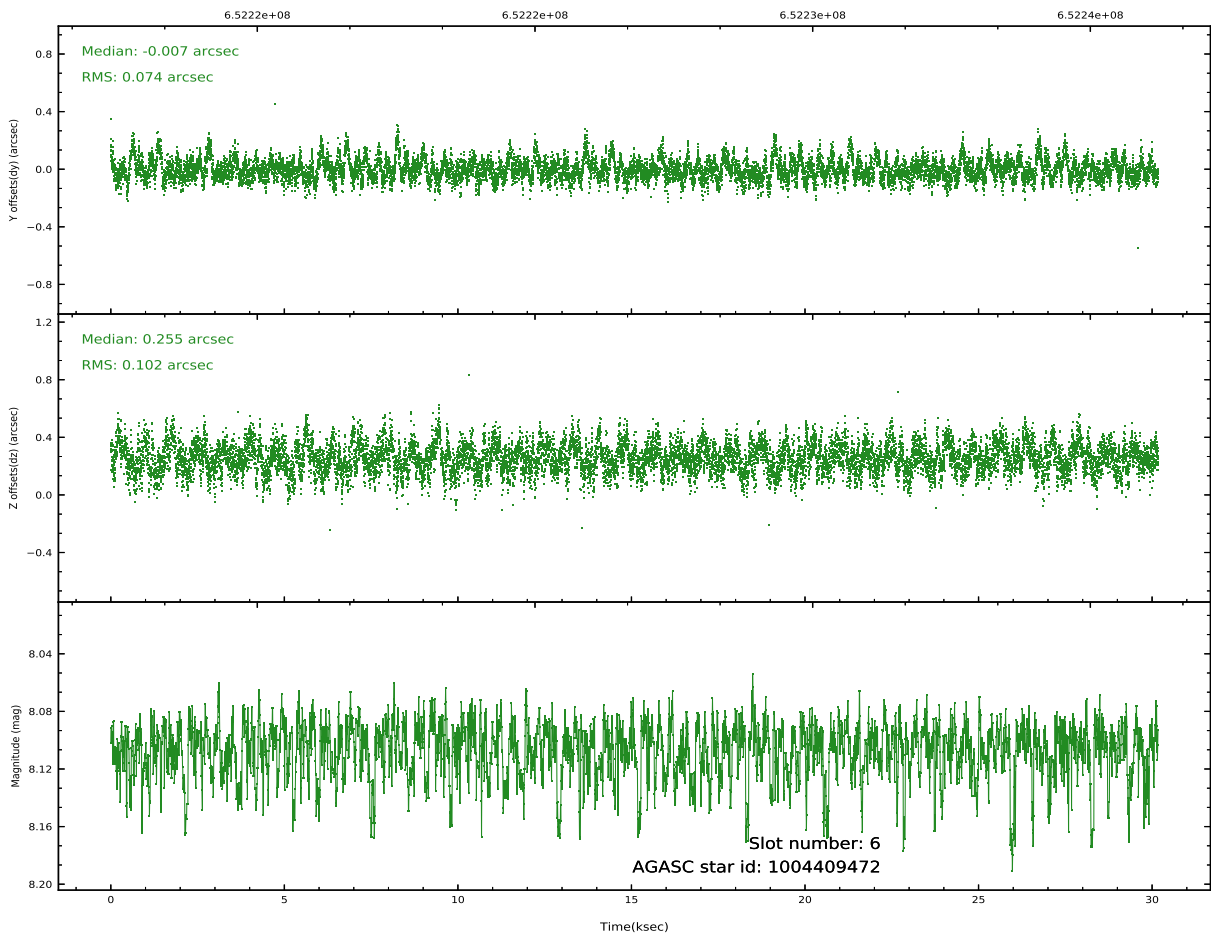
Time (s)



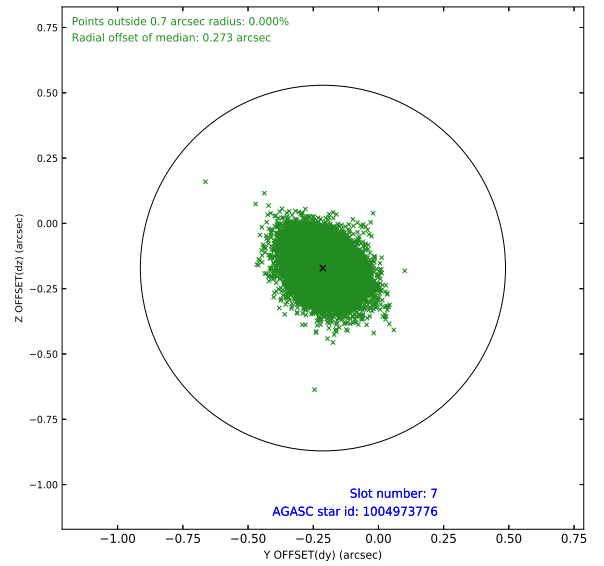
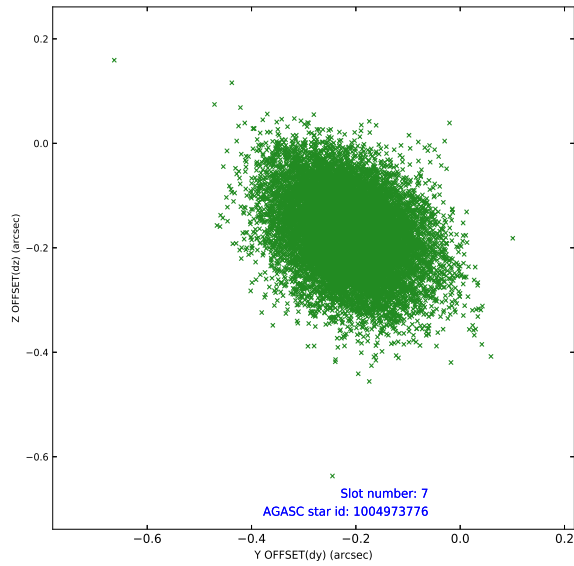
2.4.4 Slot 6



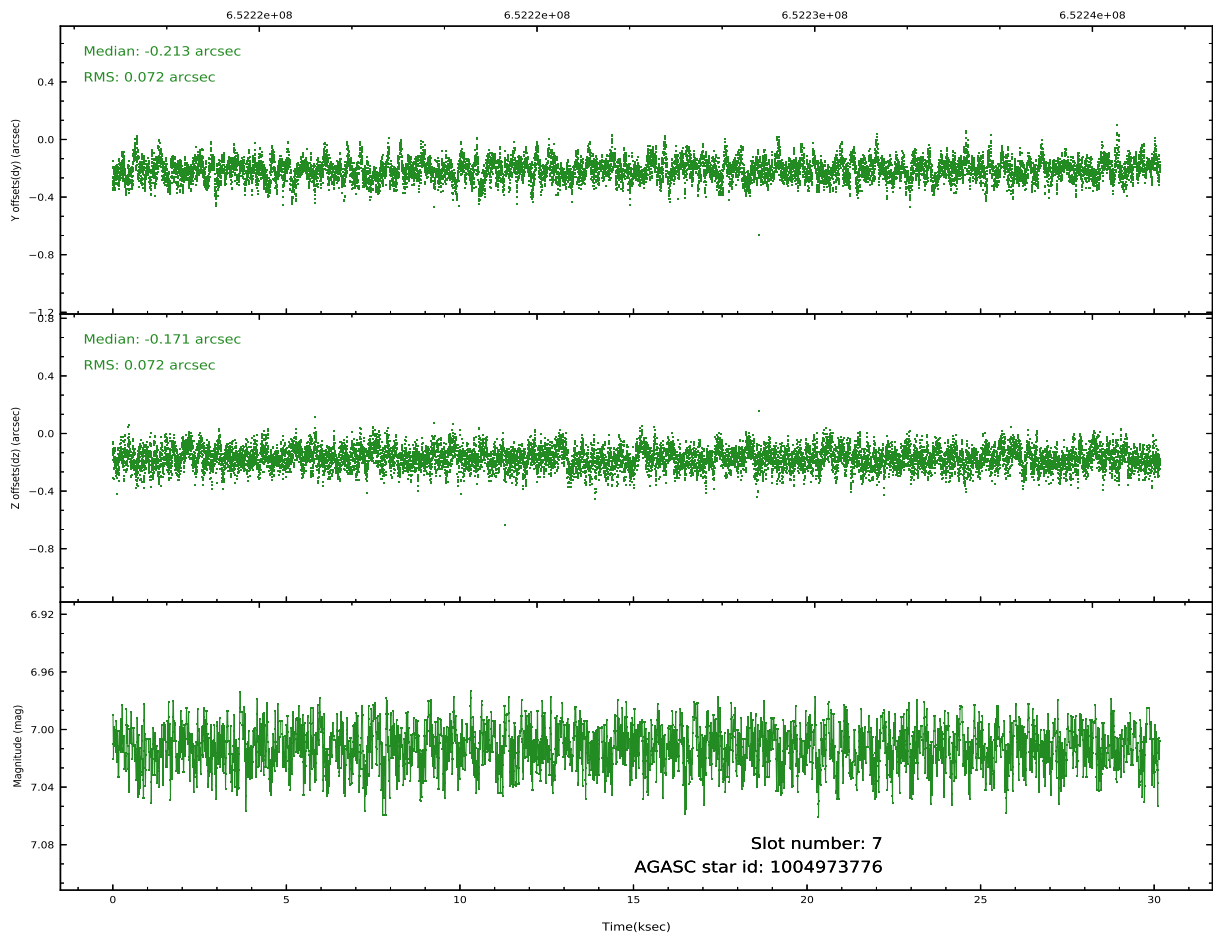
Time (s)



2.4.5 Slot 7

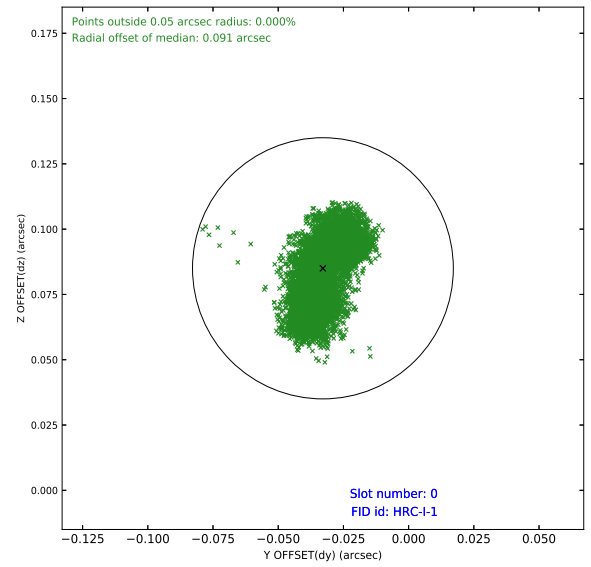
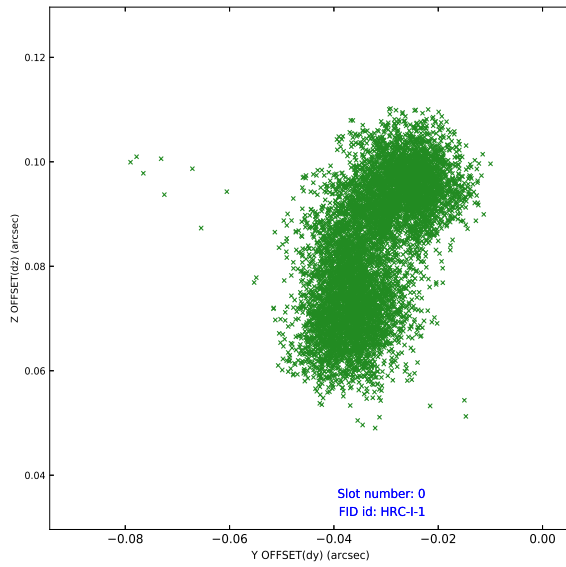


Time (s)

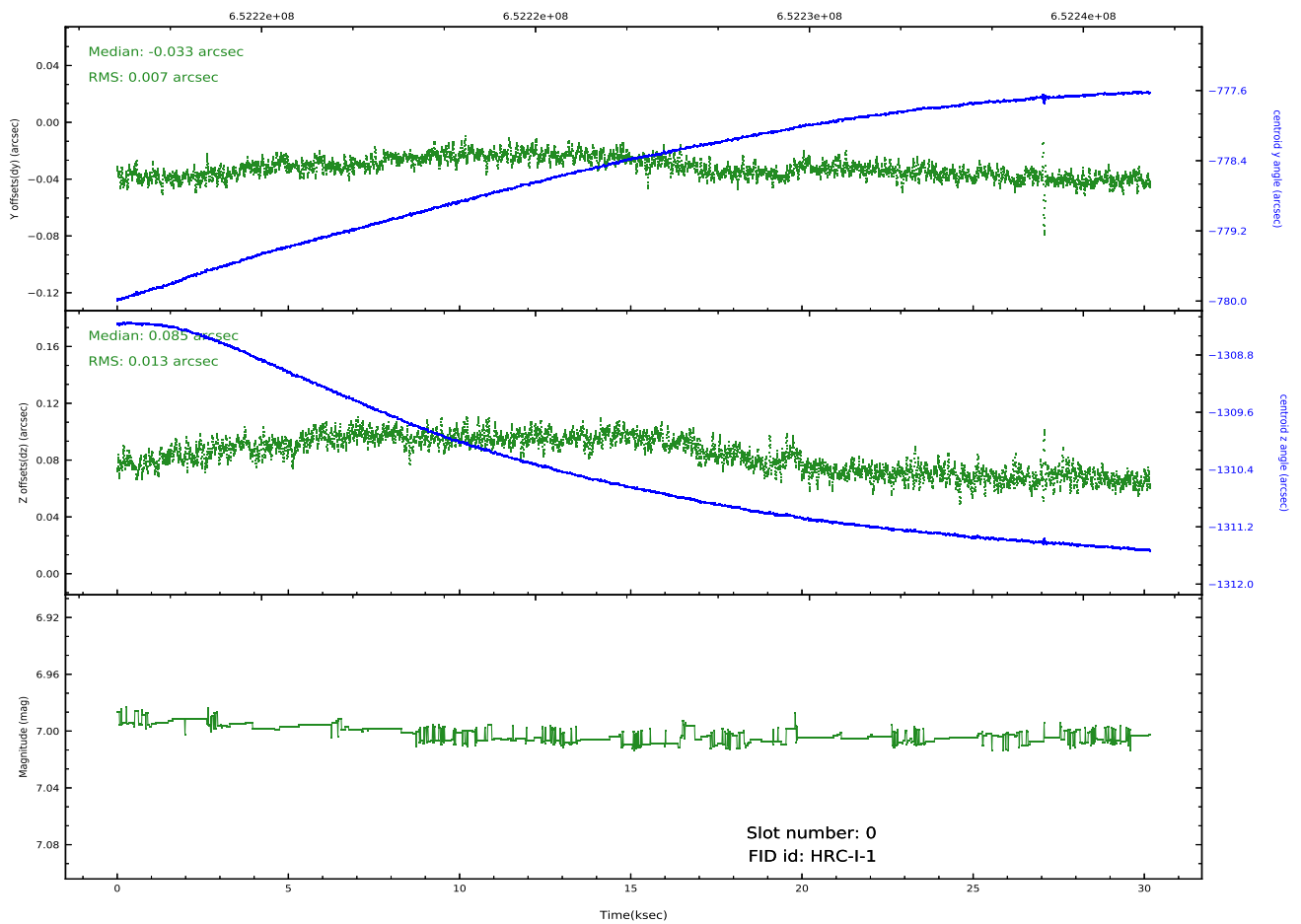


2.5 FID Slots

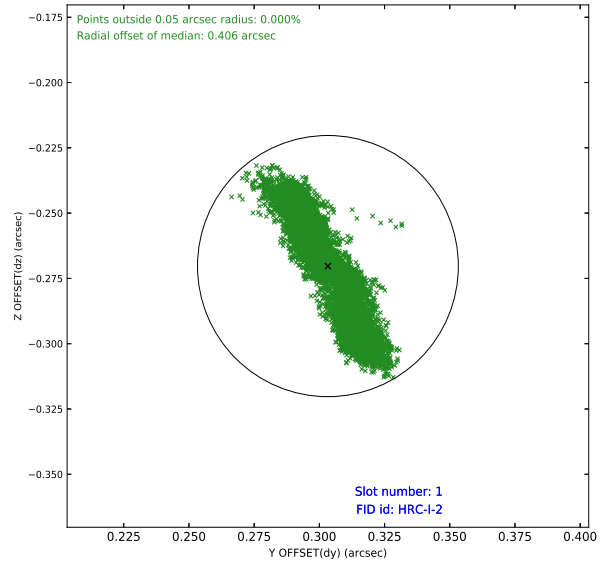
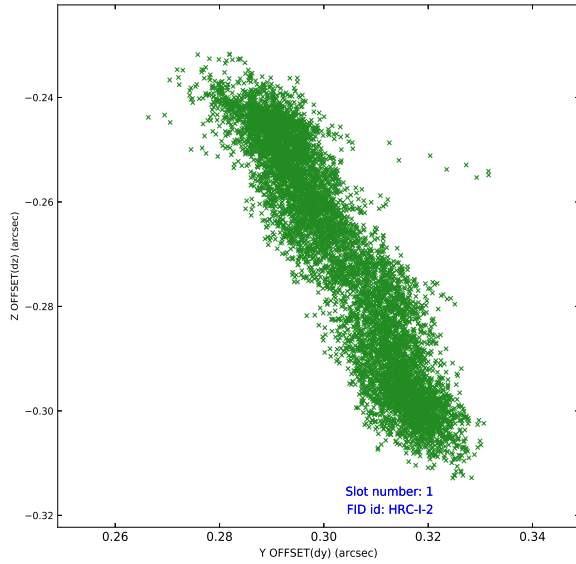
2.5.1 Slot 0



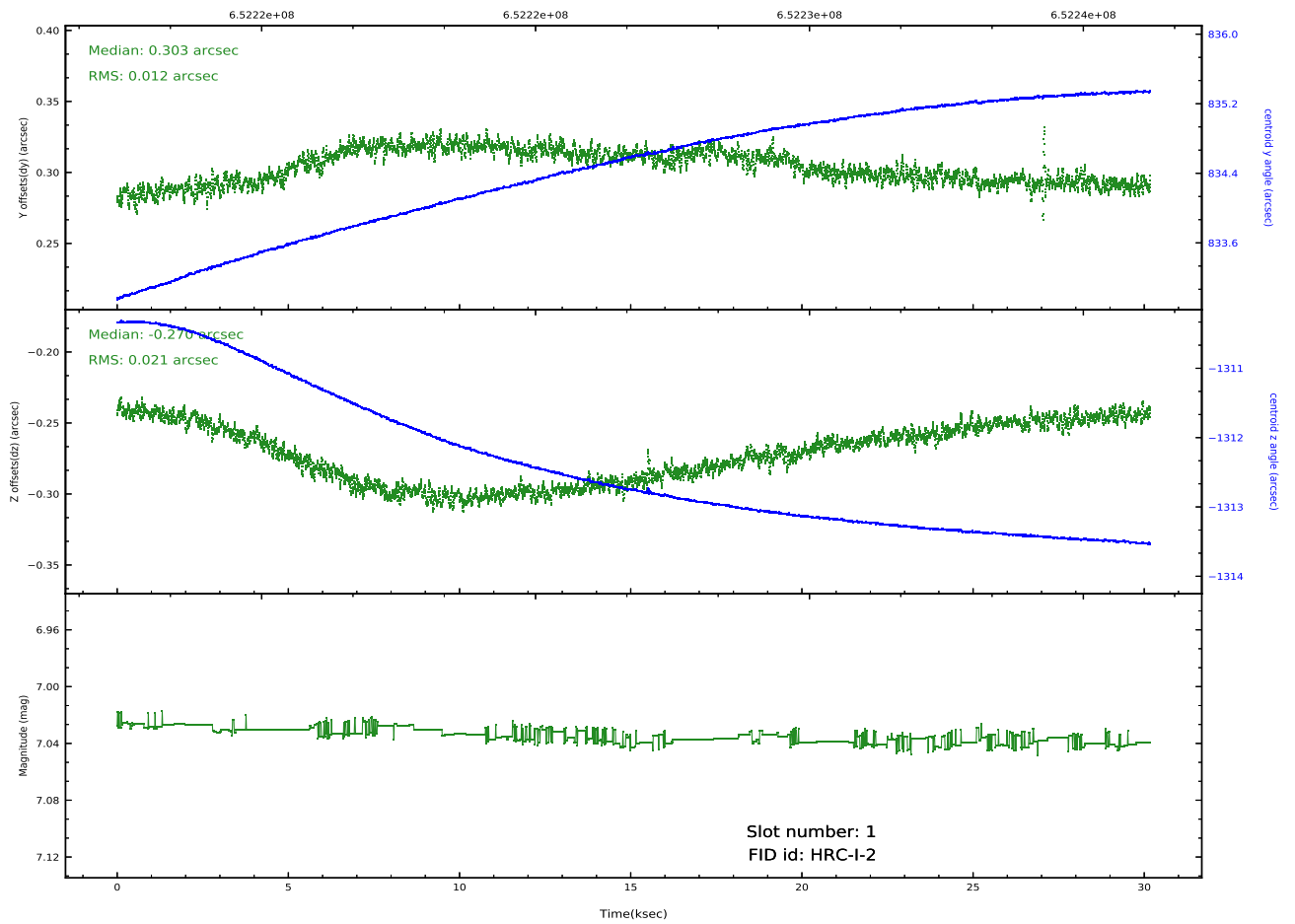
Time (s)



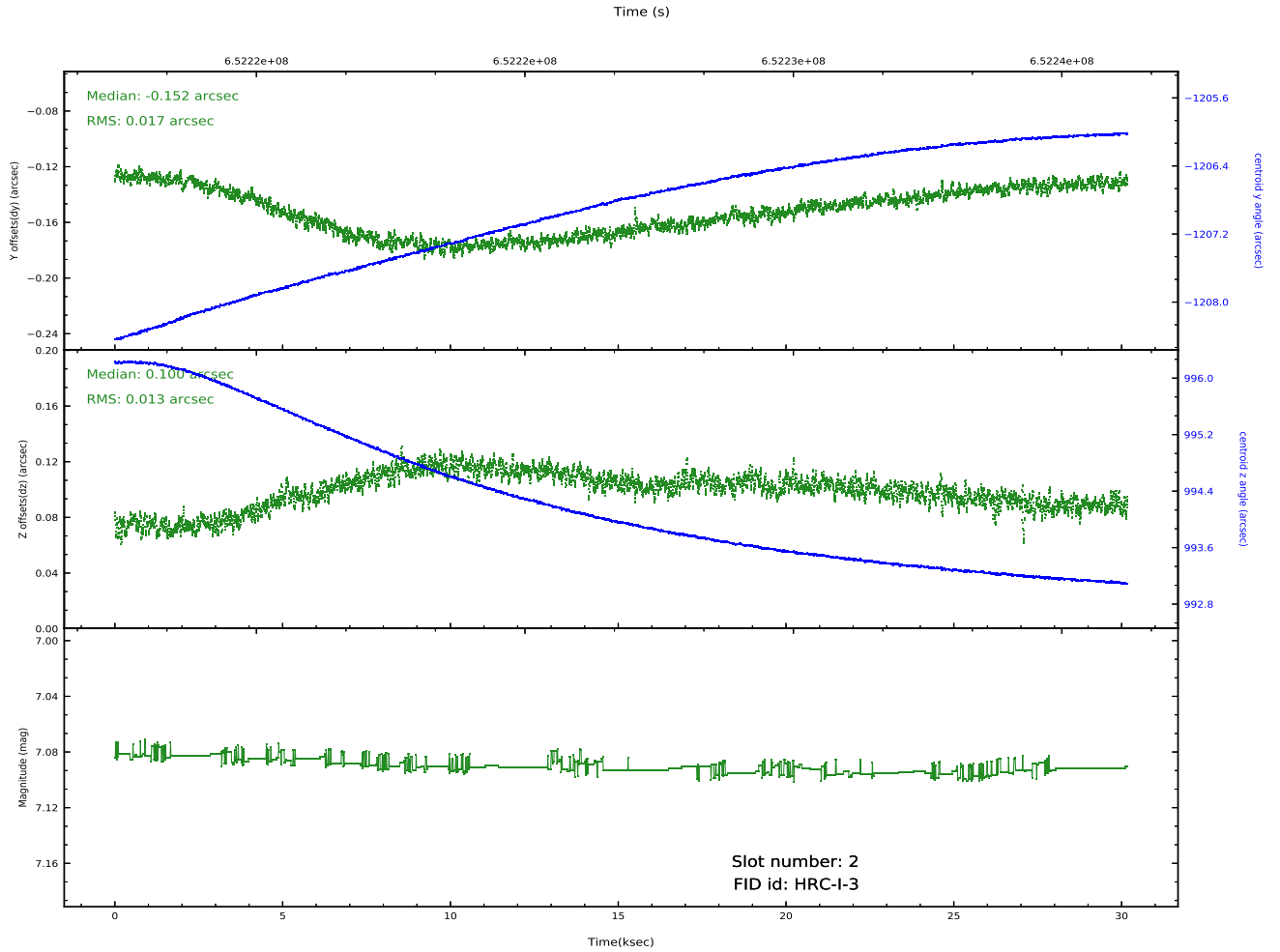
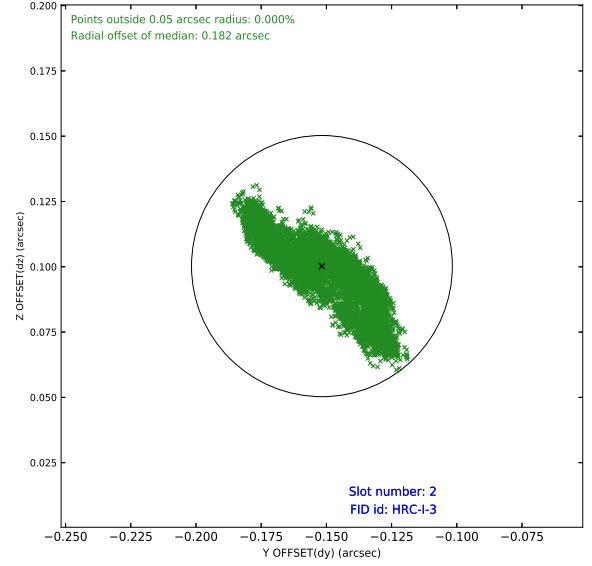
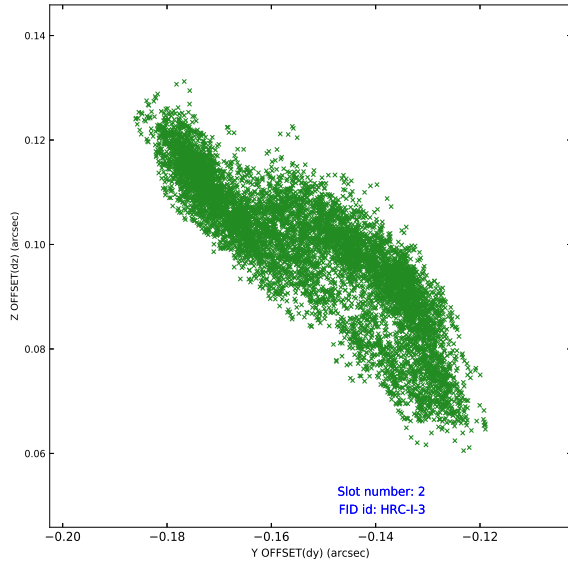
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.173183042169

A.2 Comments