

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6548 - L2 Version 5
Chandra X-Ray Center

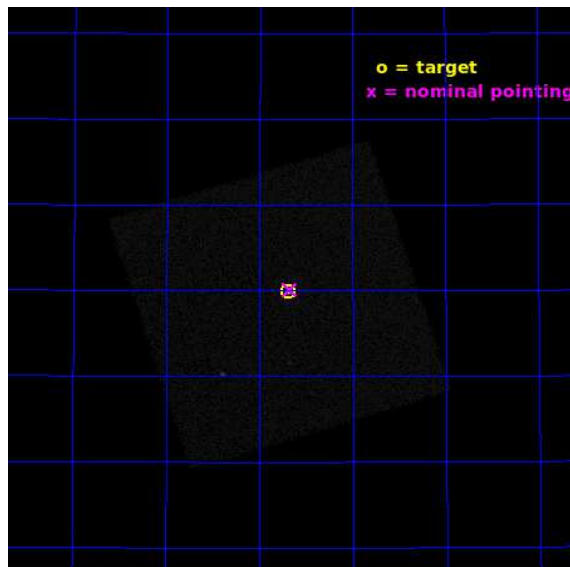
L2 Processing Date : Oct 12 2020

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1 Front

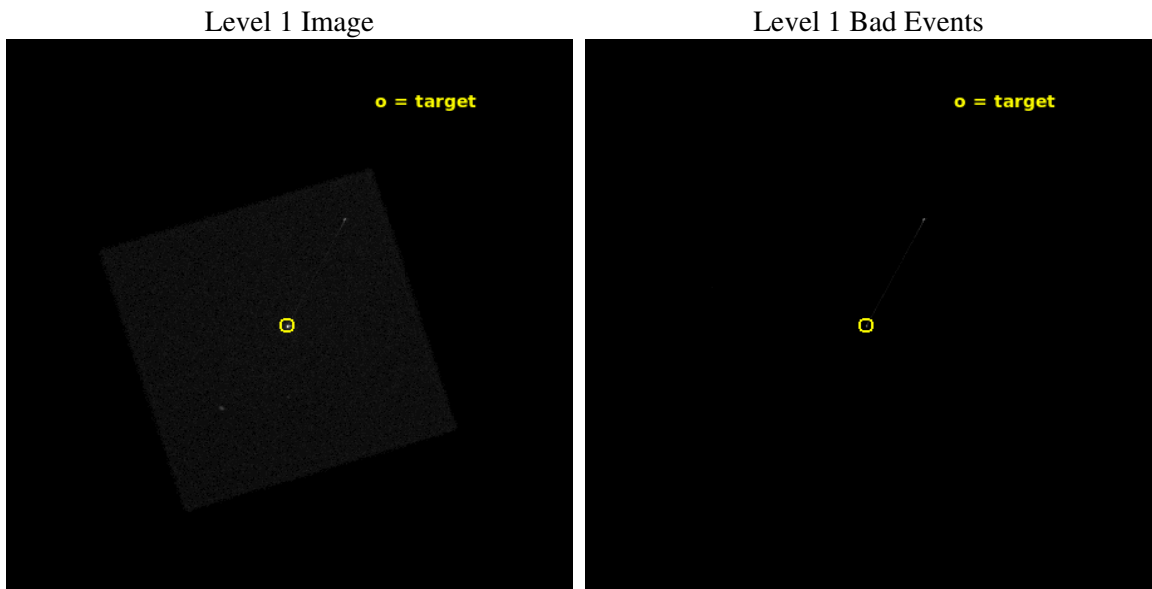
seq_num	290641	Sequence number
obs_id	6548	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168395604765	Nominal RA [deg]
dec_nom	46.001955510654	Nominal Dec [deg]
roll_nom	207.54728201343	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5183.6814899743	[s]
livetime	5137.1246028237	Ontime multiplied by DTCOR
l2events	319898	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5183.6814899743	[s]
caldbver	4.9.2	 	l1events	452457	Number of level 1 events
date	2020-10-12T06:23:17	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

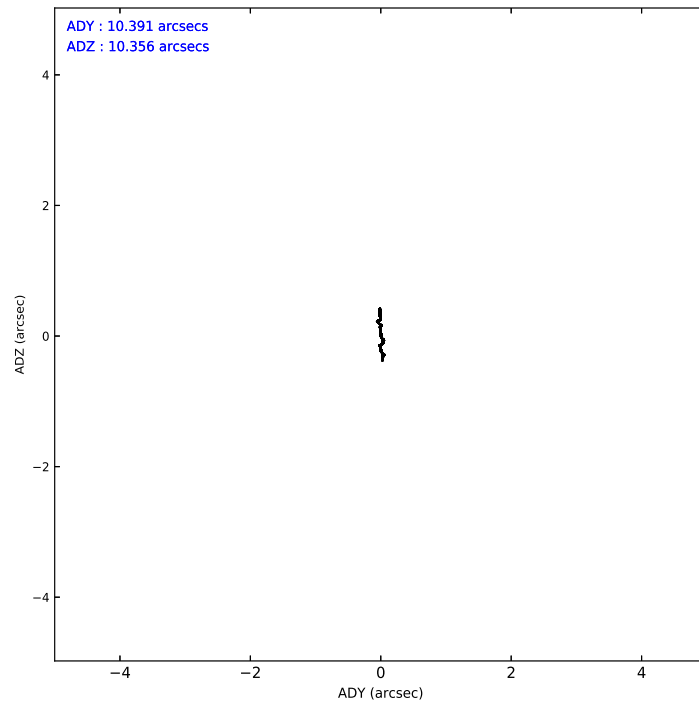
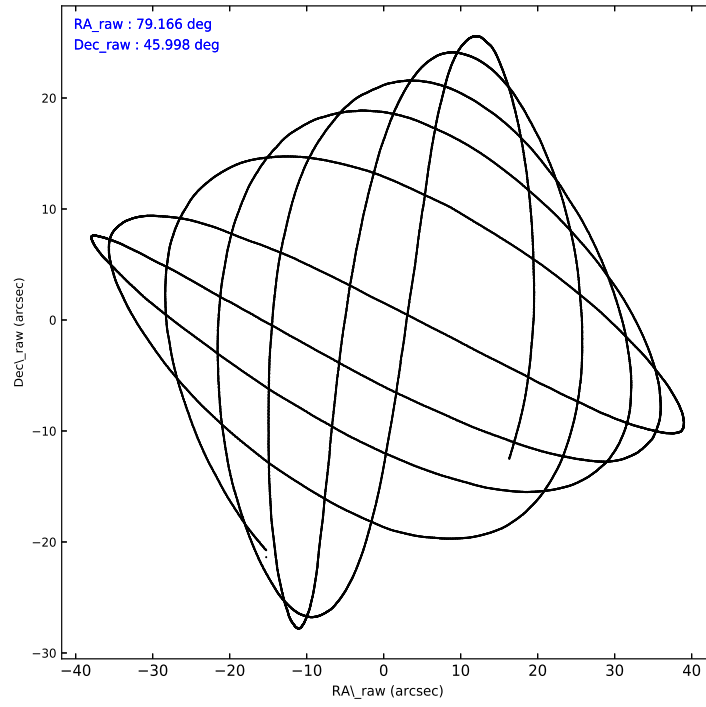
	segment 0
level 1 events	452457
rejected events	26777
rejected %	5%

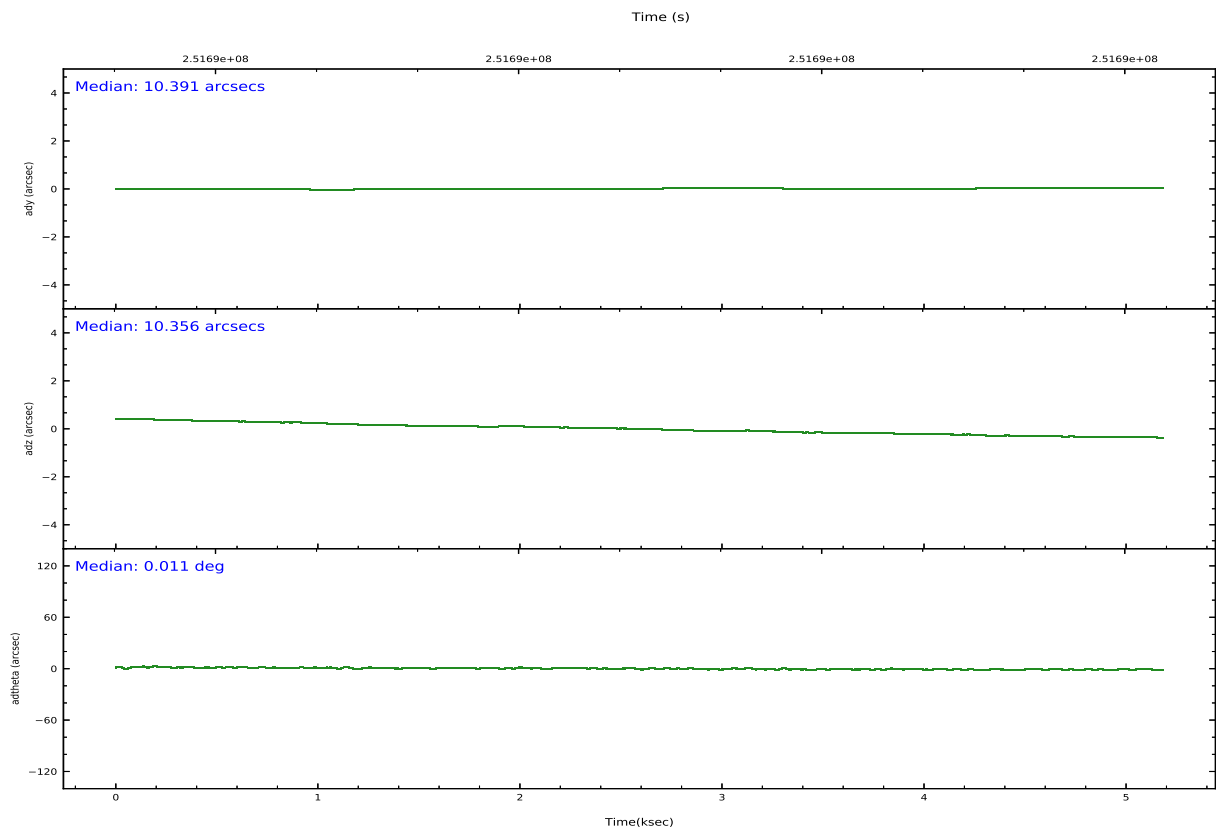
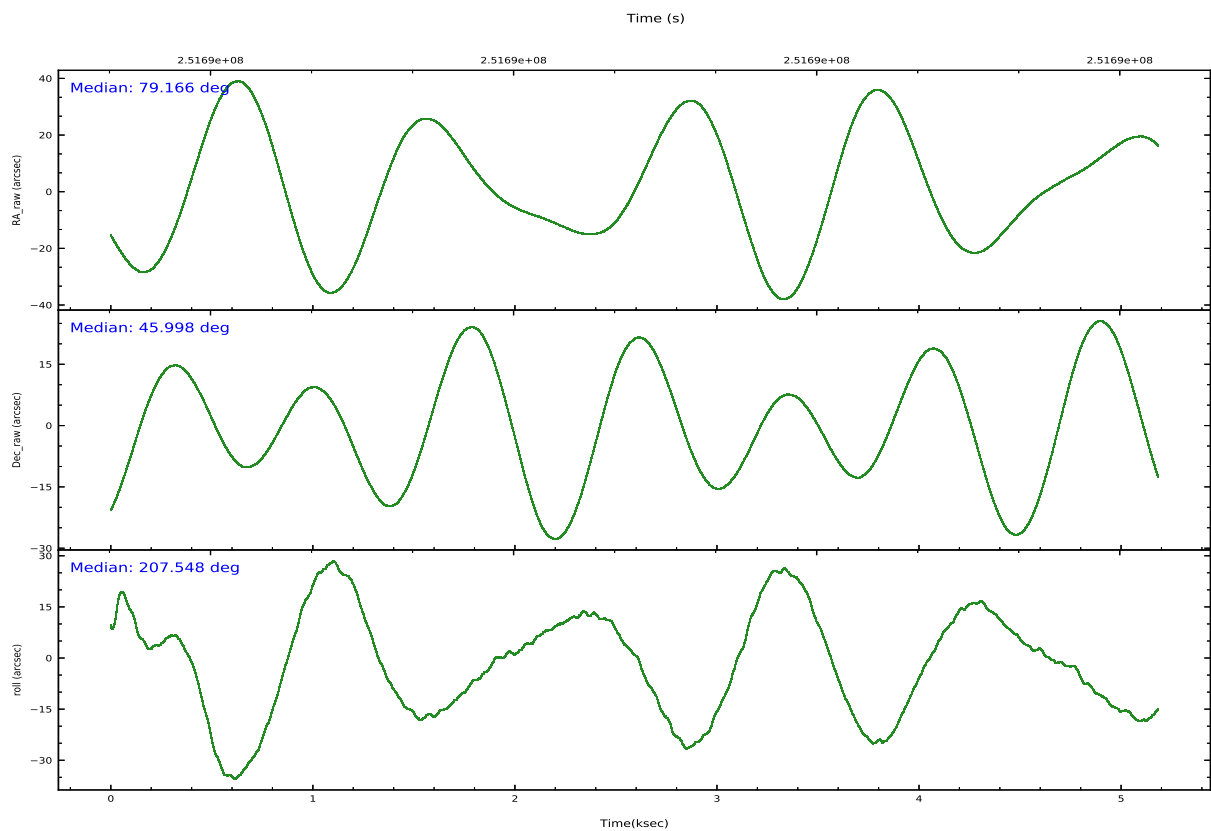
2.2 Compared Parameters

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	79.186695	79.168395604765
[deg] Pointing Dec	46.020853	46.001955510654
[deg] Pointing Roll	207.649480	207.54728201343
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	120.985494	120.9913666263688
[mm] SIM translation stage offset	6	5.994122265232804
[s] Observation start time (MET)	251687191.184000	251686814.50511
Observation start date	2005-12-23T01:05:27	2005-12-23T01:00:14
[s] Observation end time (MET)	251692191.184000	251692324.90537
Observation end date	2005-12-23T02:28:47	2005-12-23T02:32:04

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

2.3 Aspect



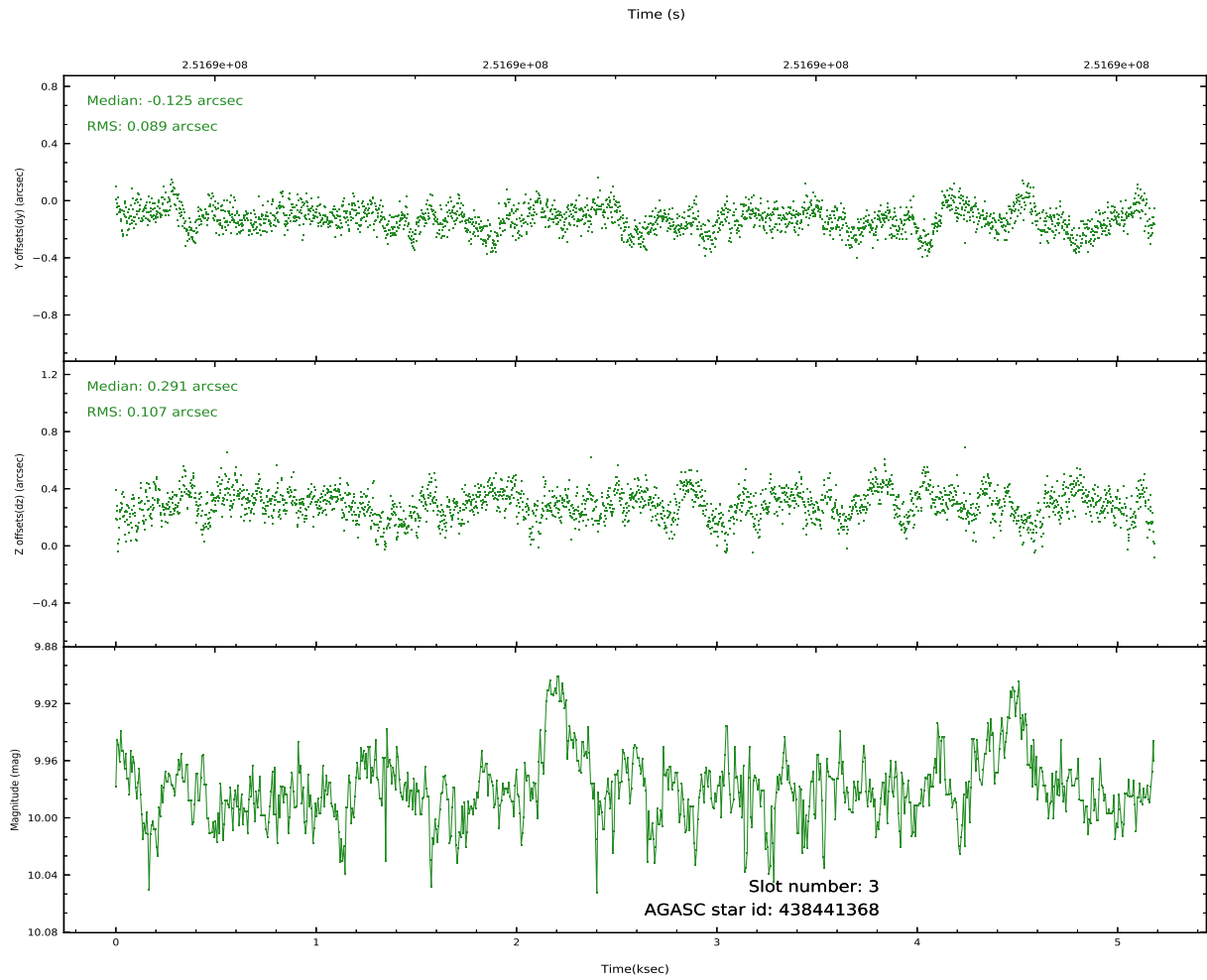
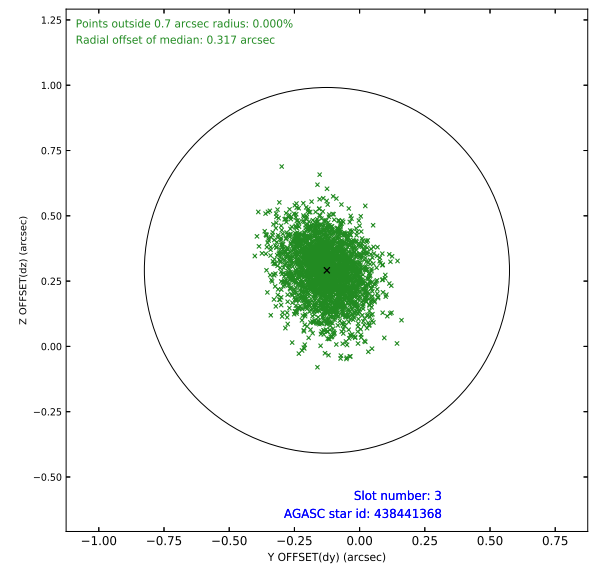
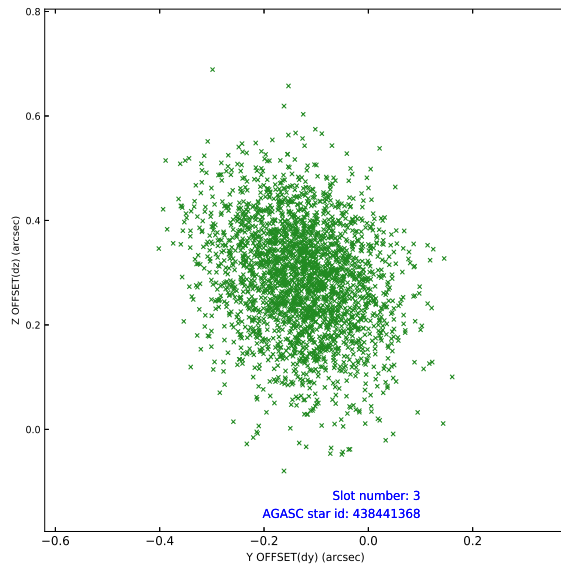


Slot Statistics

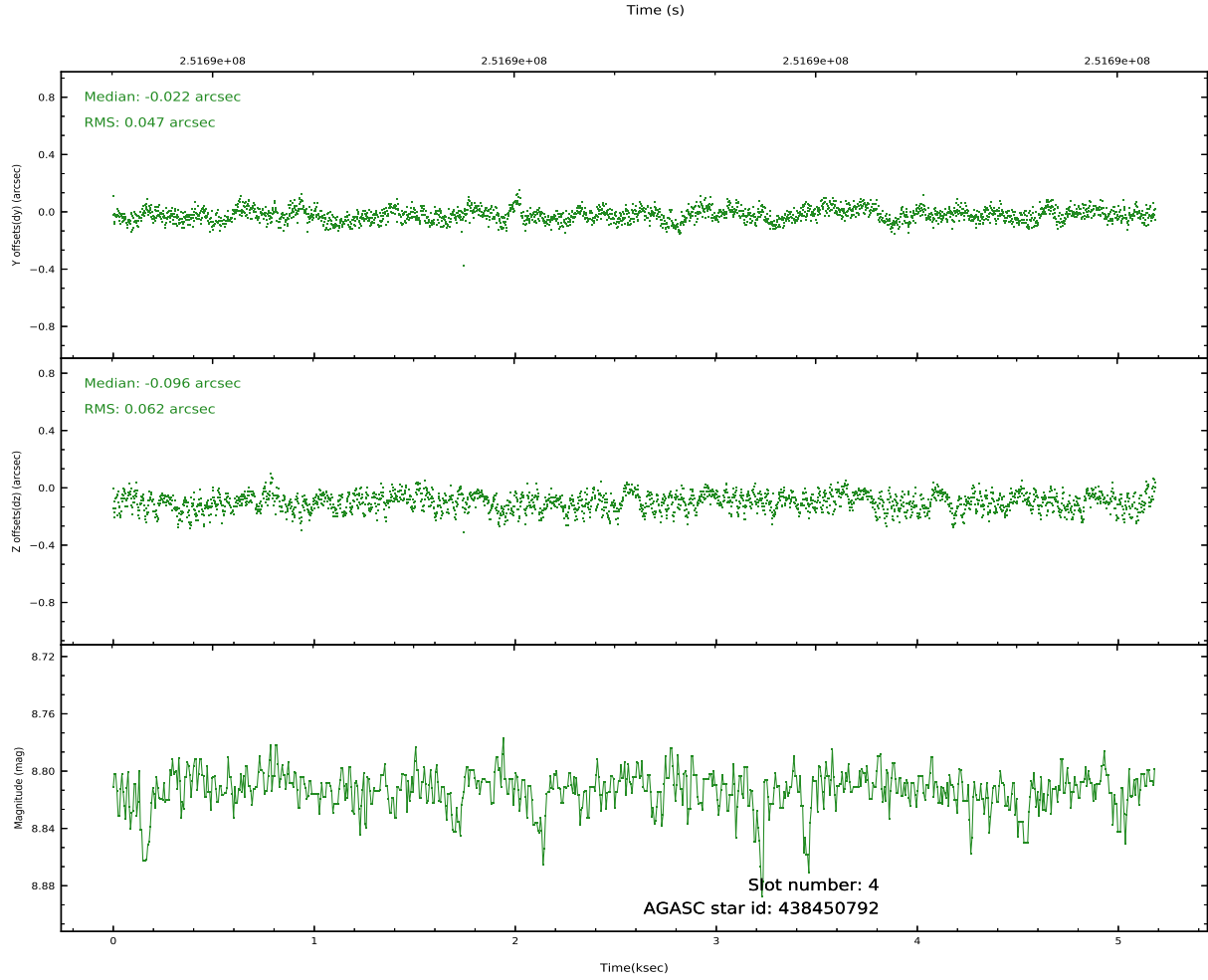
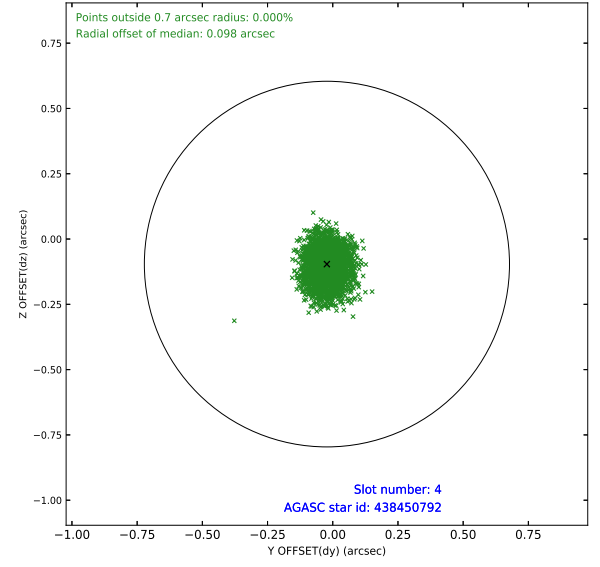
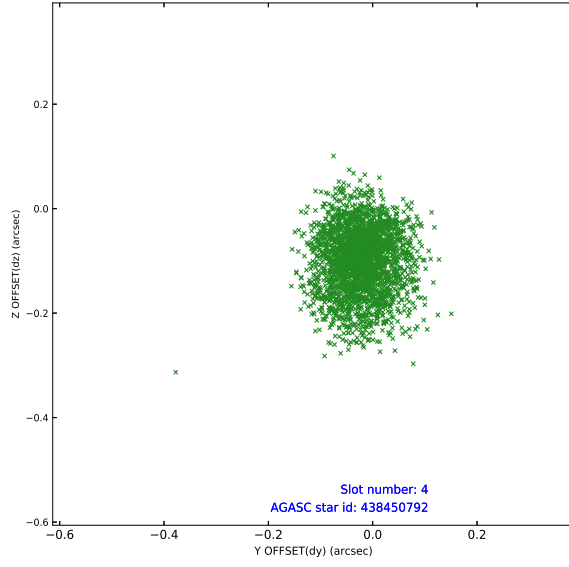
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	1265	1.000	-0.074	0.250	0.010	0.016	0.000000	0.000000	-765.97	-1175
1	FID		HRC-I-2	7.05	1265	1.000	0.191	-0.131	0.013	0.020	0.000000	0.000000	845.97	-1177
2	FID		HRC-I-3	7.09	1265	1.000	0.002	-0.206	0.012	0.020	0.000000	0.000000	-1193.95	1128
3	GUIDE	used	438441368	9.98	2515	1.000	-0.125	0.291	0.148	0.247	78.646413	46.420494	518.91	-1899
4	GUIDE	used	438450792	8.81	2528	1.000	-0.022	-0.096	0.084	0.134	78.654240	46.382628	566.28	-1770
5	GUIDE	used	440150048	7.15	2524	1.000	0.014	-0.139	0.069	0.109	79.112838	46.416060	-496.72	-1345
6	GUIDE	used	440164960	8.31	2529	1.000	0.130	-0.021	0.081	0.130	79.132526	46.140947	-80.15	-445
7	GUIDE	used	440145016	9.55	2525	1.000	0.003	-0.024	0.116	0.191	80.238026	45.801940	-1979.07	1907

2.4 Star Slots

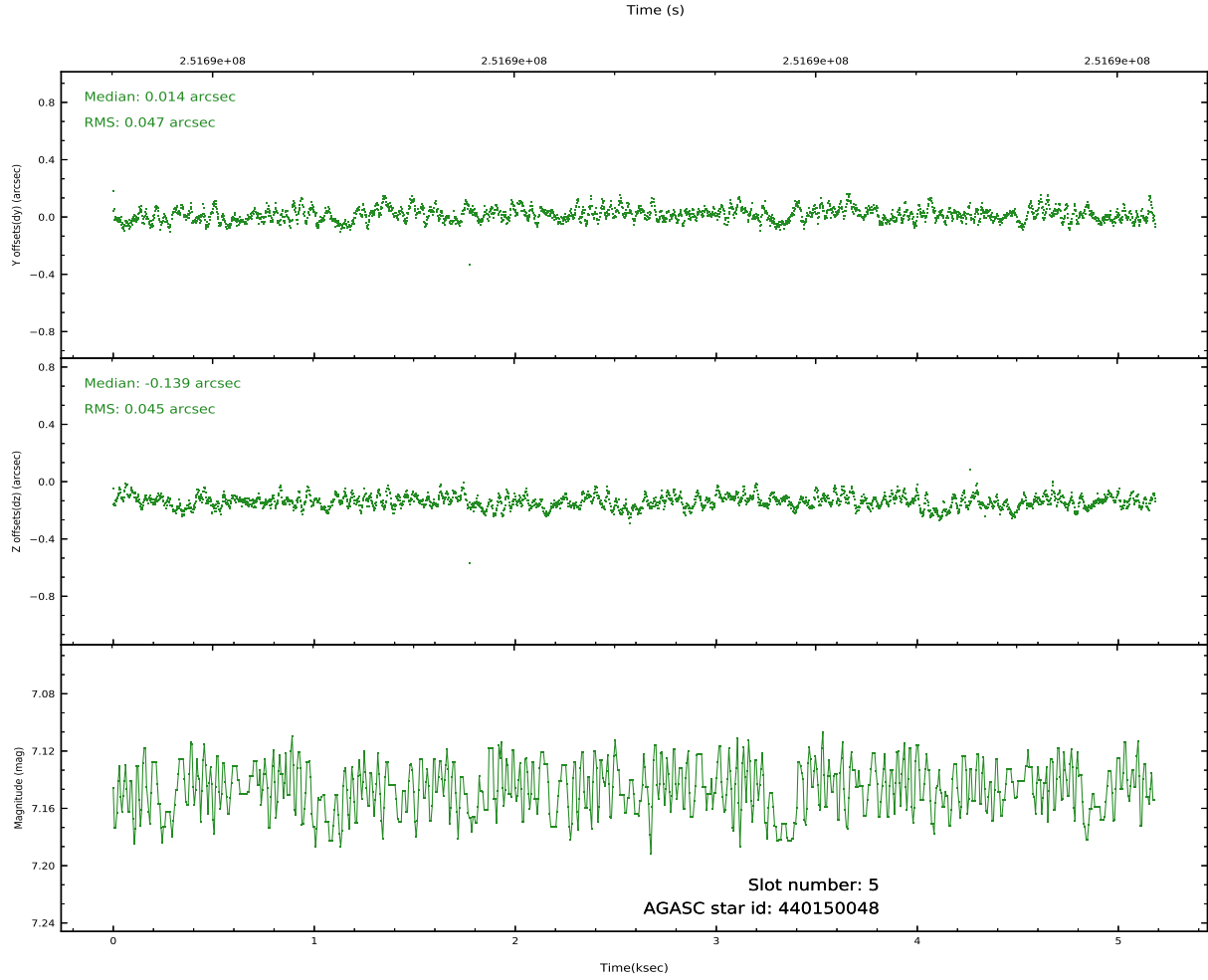
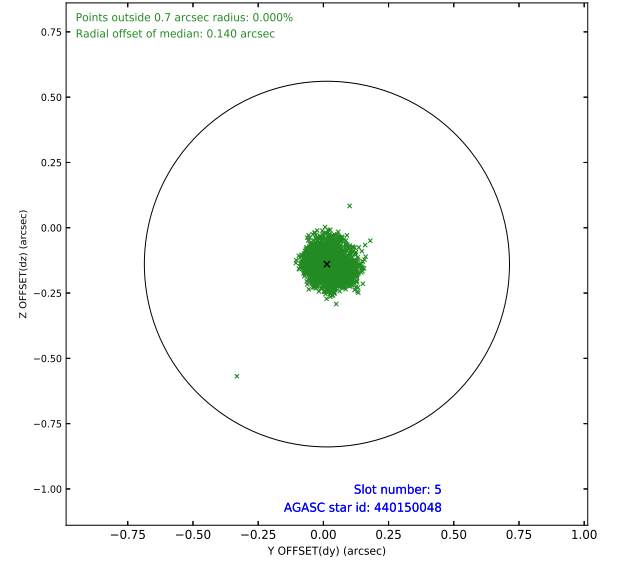
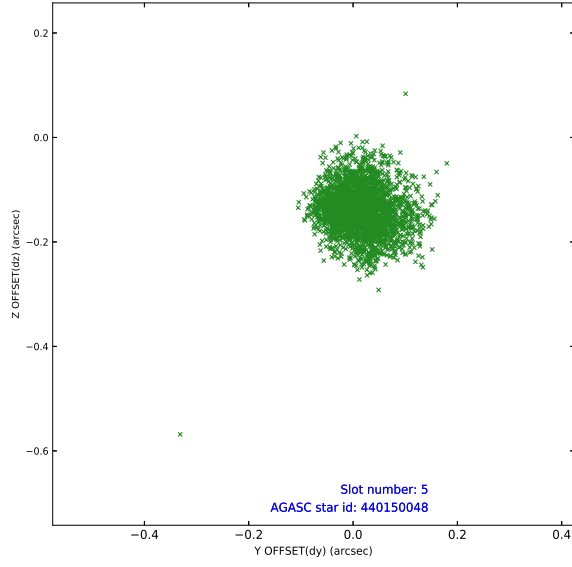
2.4.1 Slot 3



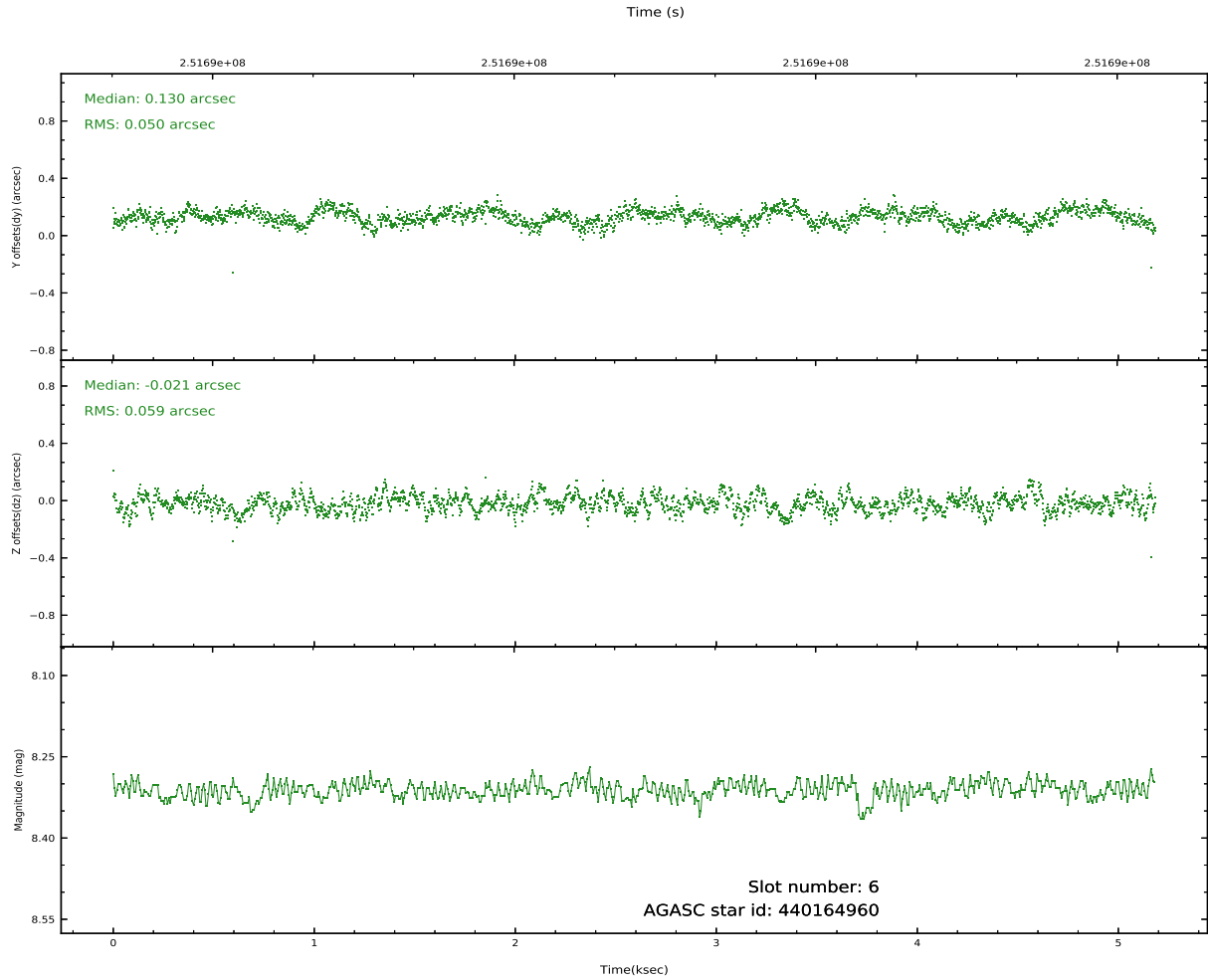
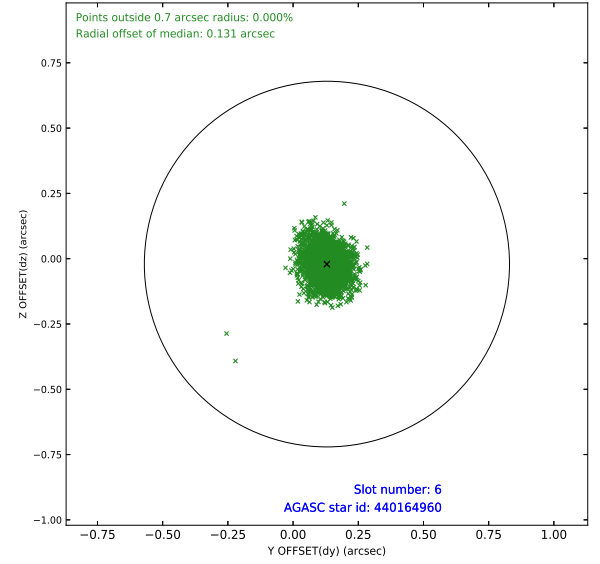
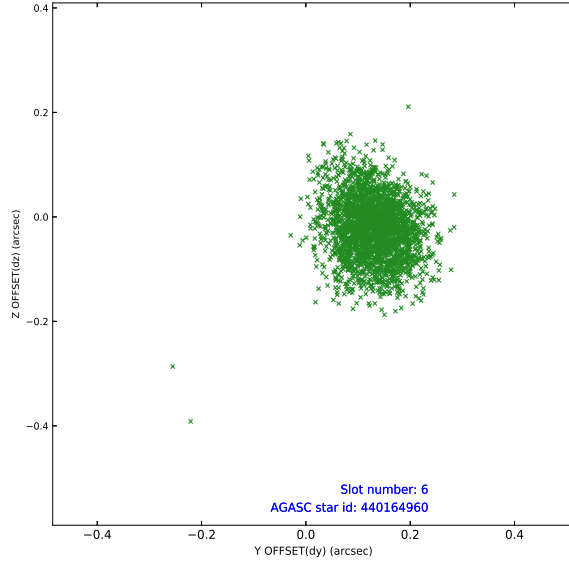
2.4.2 Slot 4



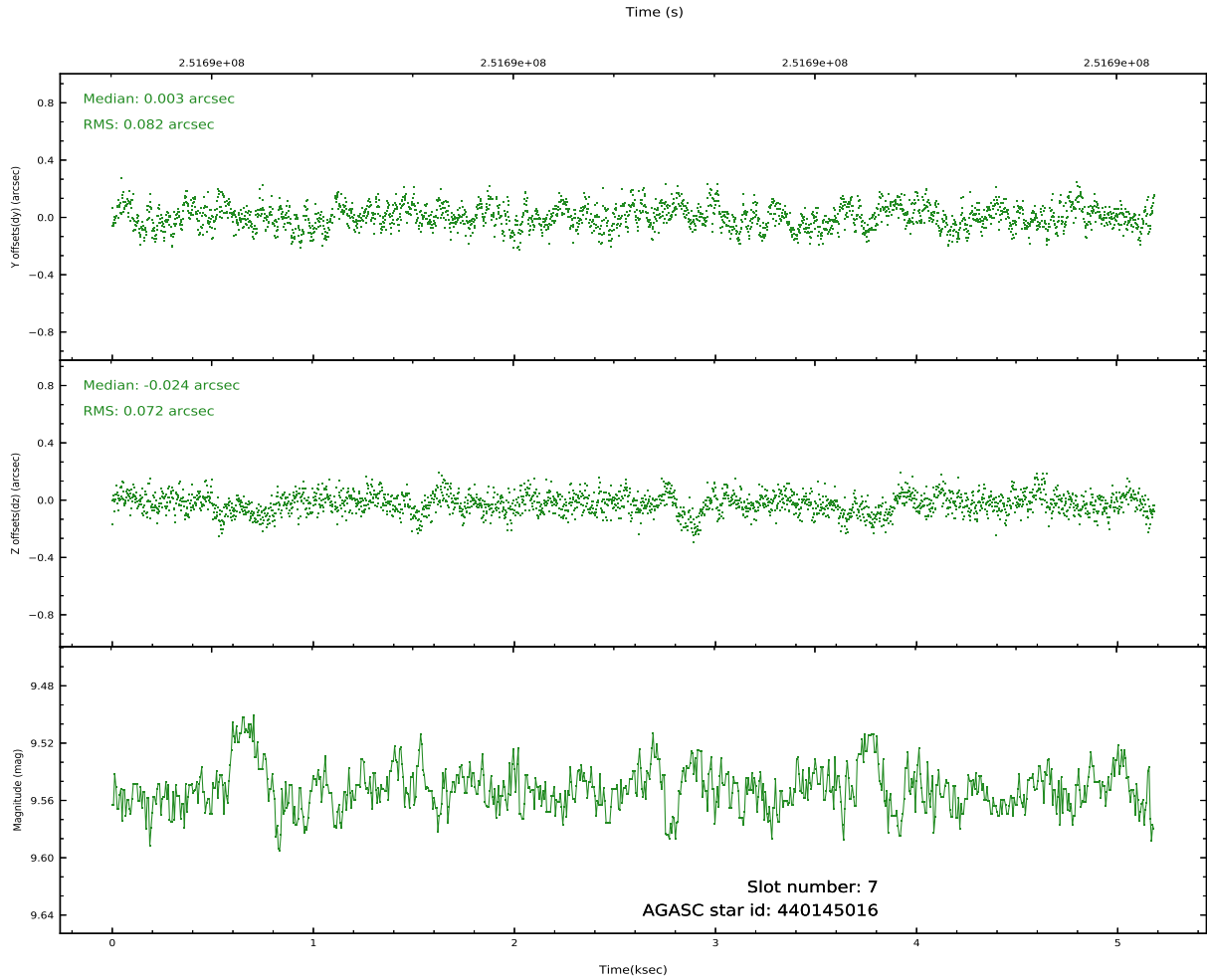
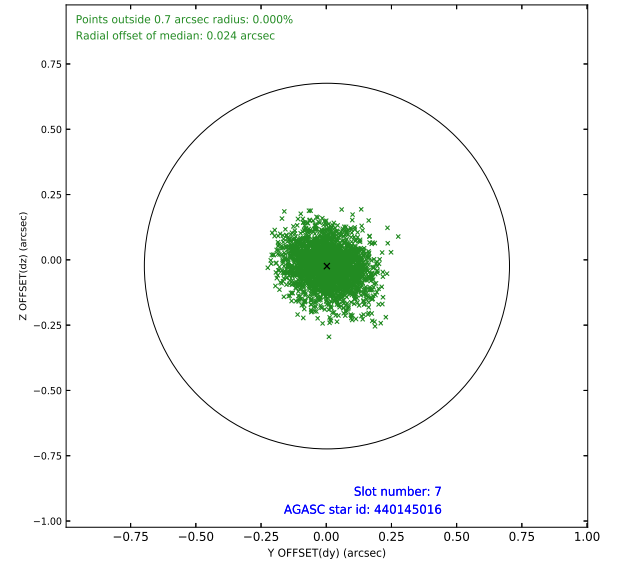
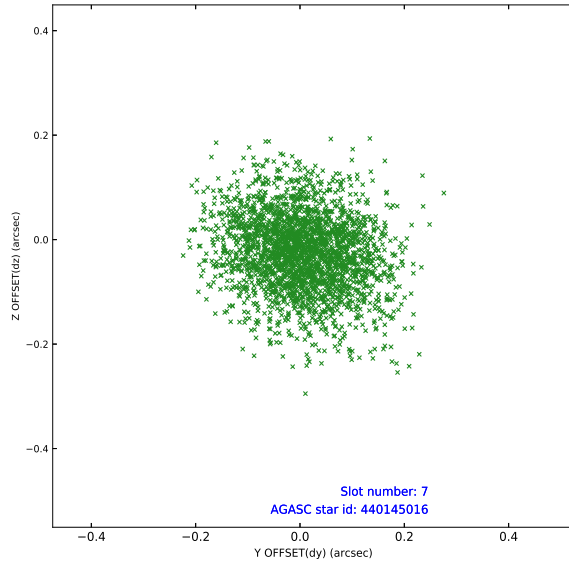
2.4.3 Slot 5



2.4.4 Slot 6

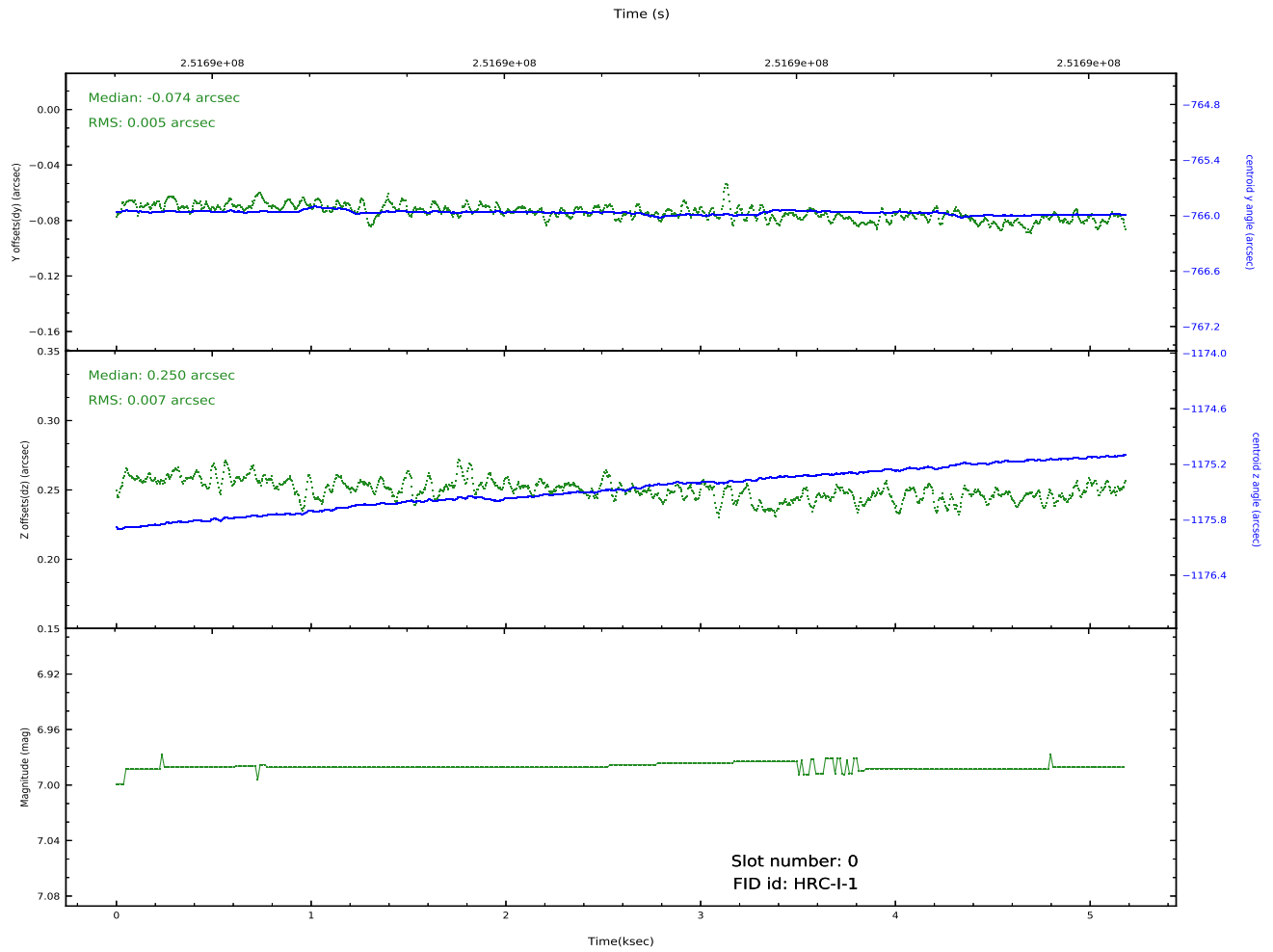
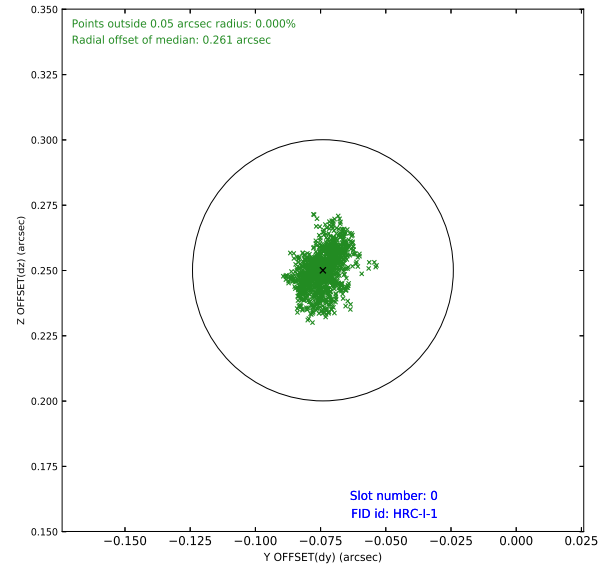
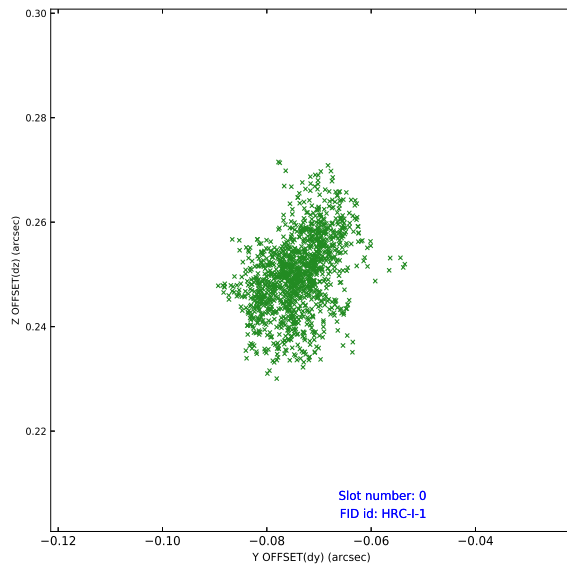


2.4.5 Slot 7

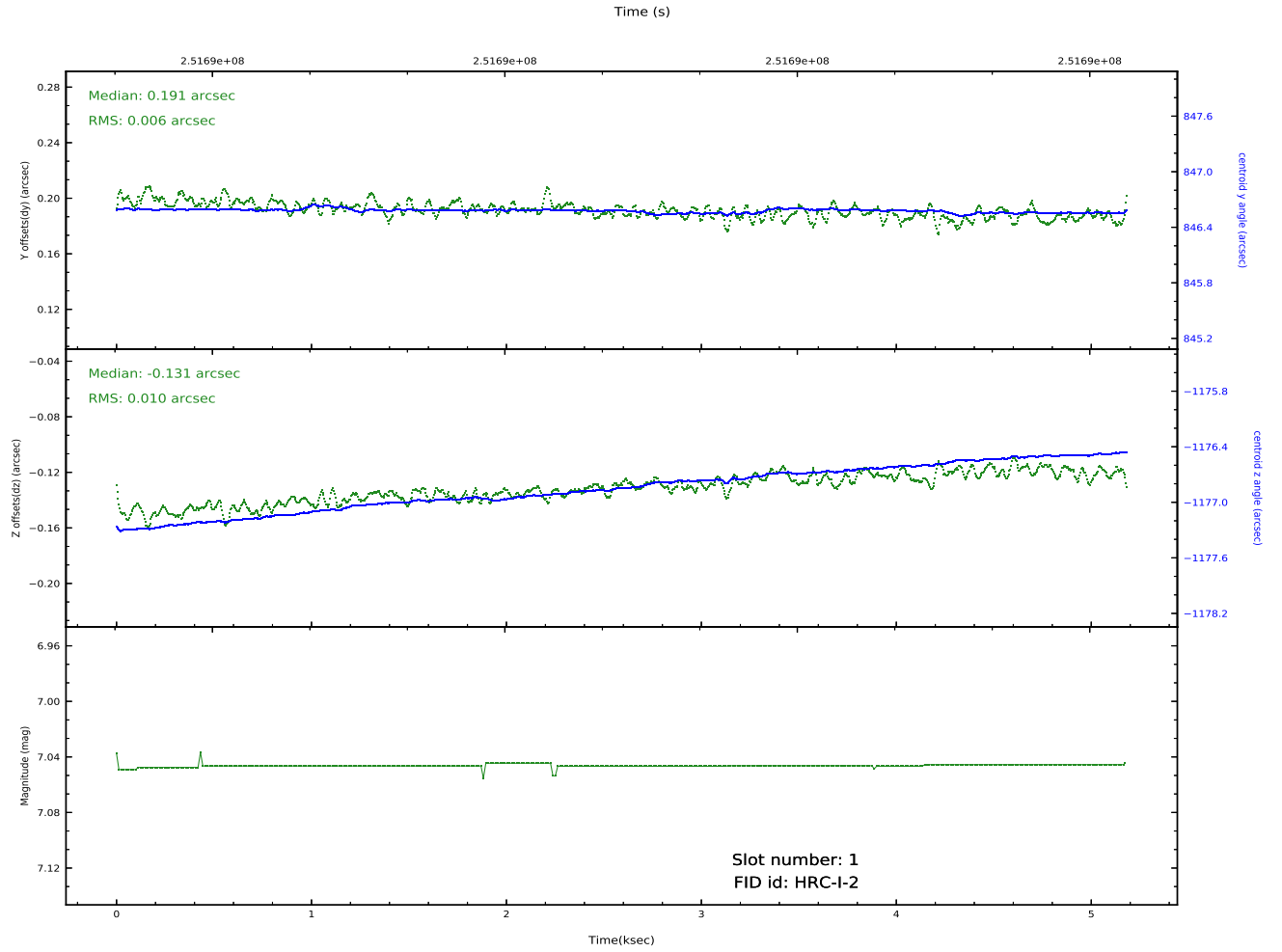
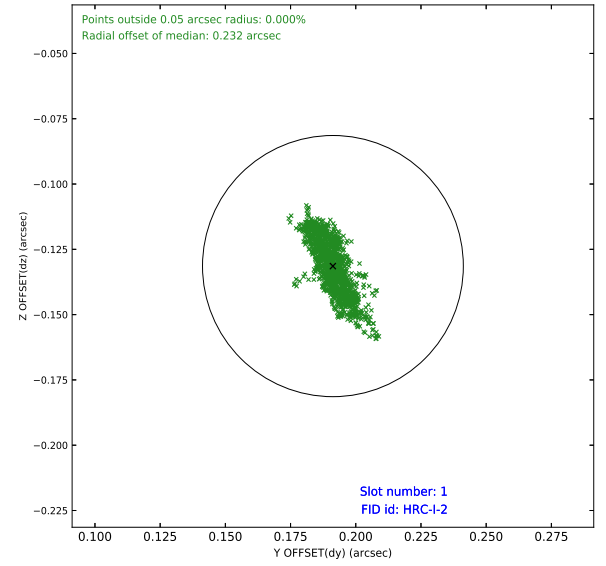
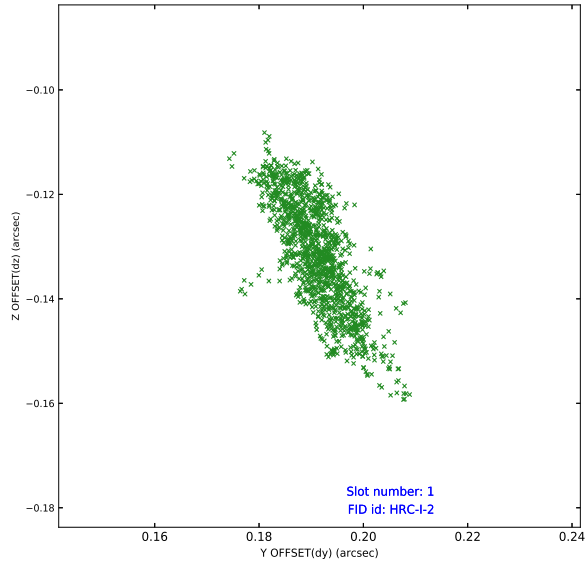


2.5 FID Slots

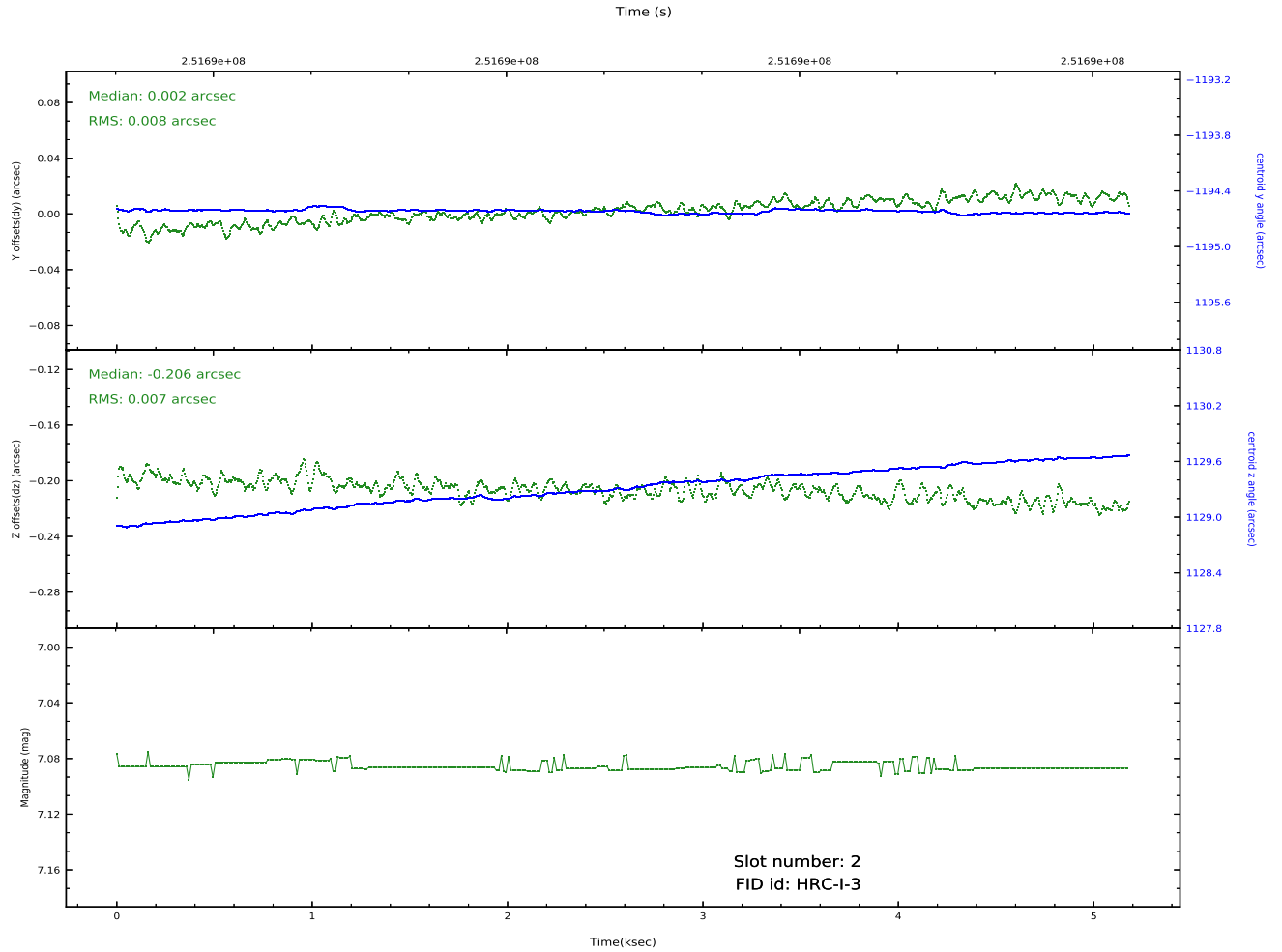
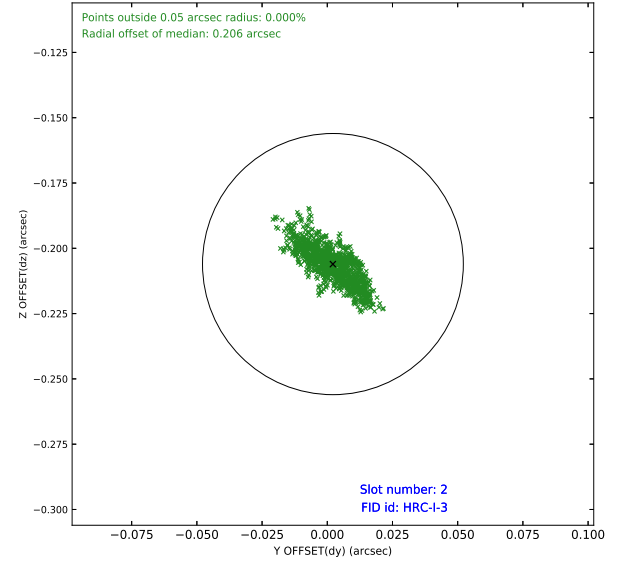
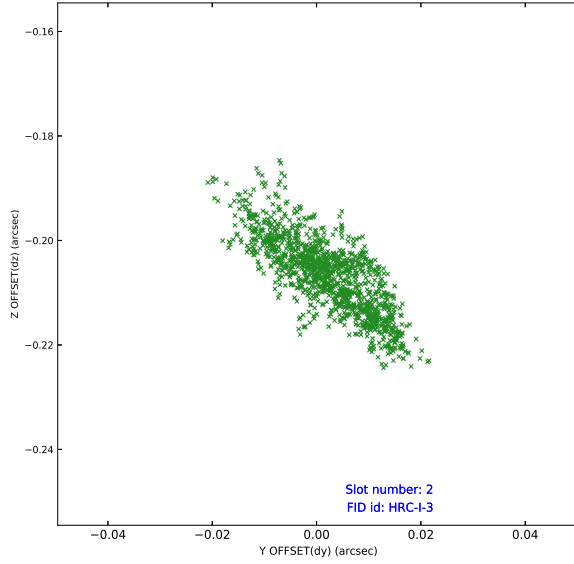
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.183681

A.2 Comments