

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6543 - L2 Version 5
Chandra X-Ray Center

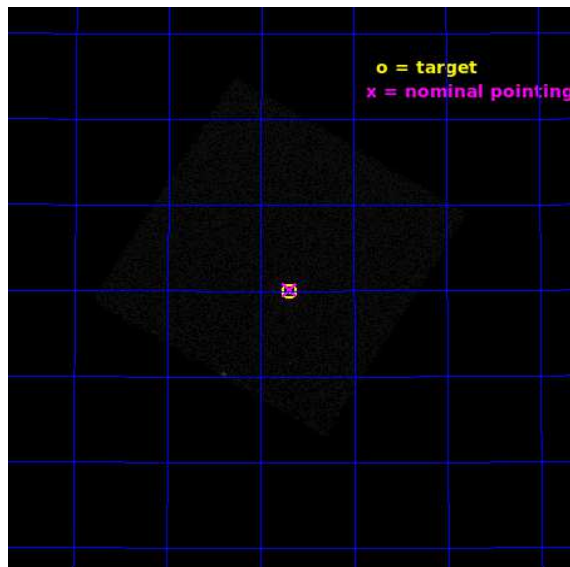
L2 Processing Date : Oct 12 2020

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1 Front

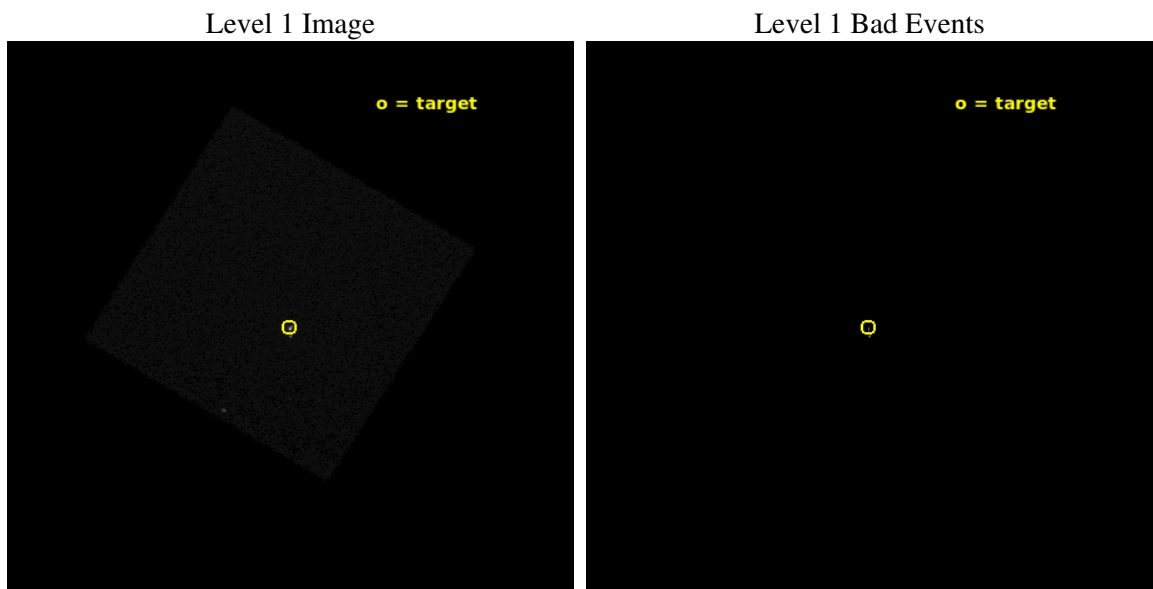
seq_num	290636	Sequence number
obs_id	6543	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.171928033558	Nominal RA [deg]
dec_nom	46.002599527383	Nominal Dec [deg]
roll_nom	166.47726536549	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5193.9314901531	[s]
livetime	5146.5759219459	Ontime multiplied by DTCOR
l2events	326799	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5193.9314901531	[s]
caldbver	4.9.2	 	l1events	460472	Number of level 1 events
date	2020-10-12T03:30:29	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

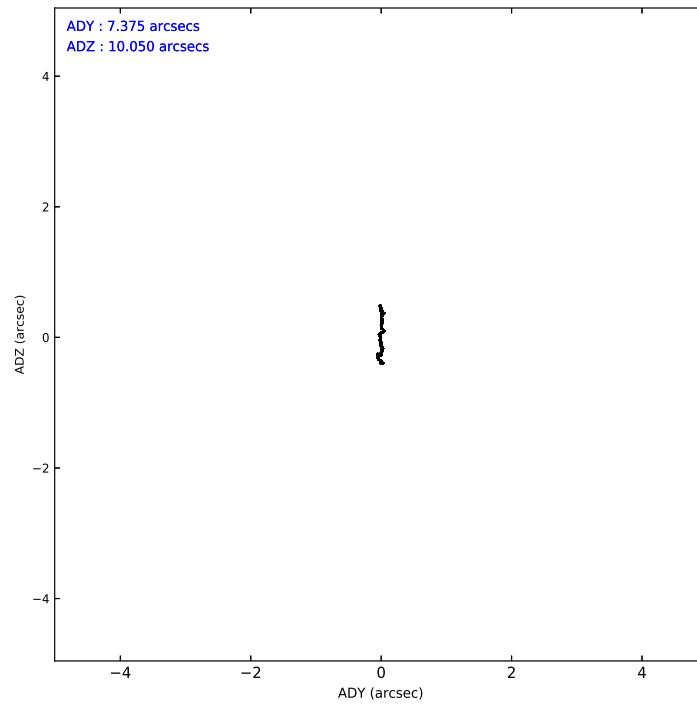
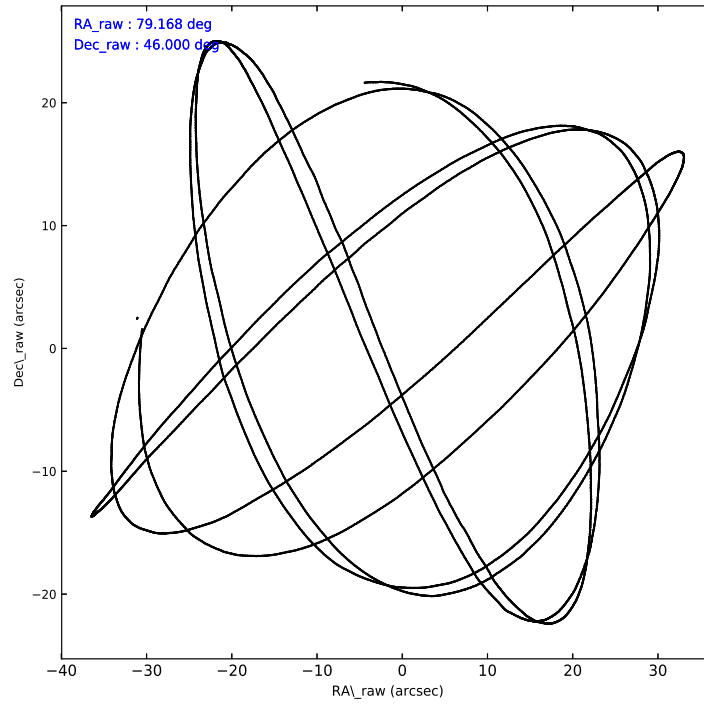
	segment 0
level 1 events	460472
rejected events	26269
rejected %	5%

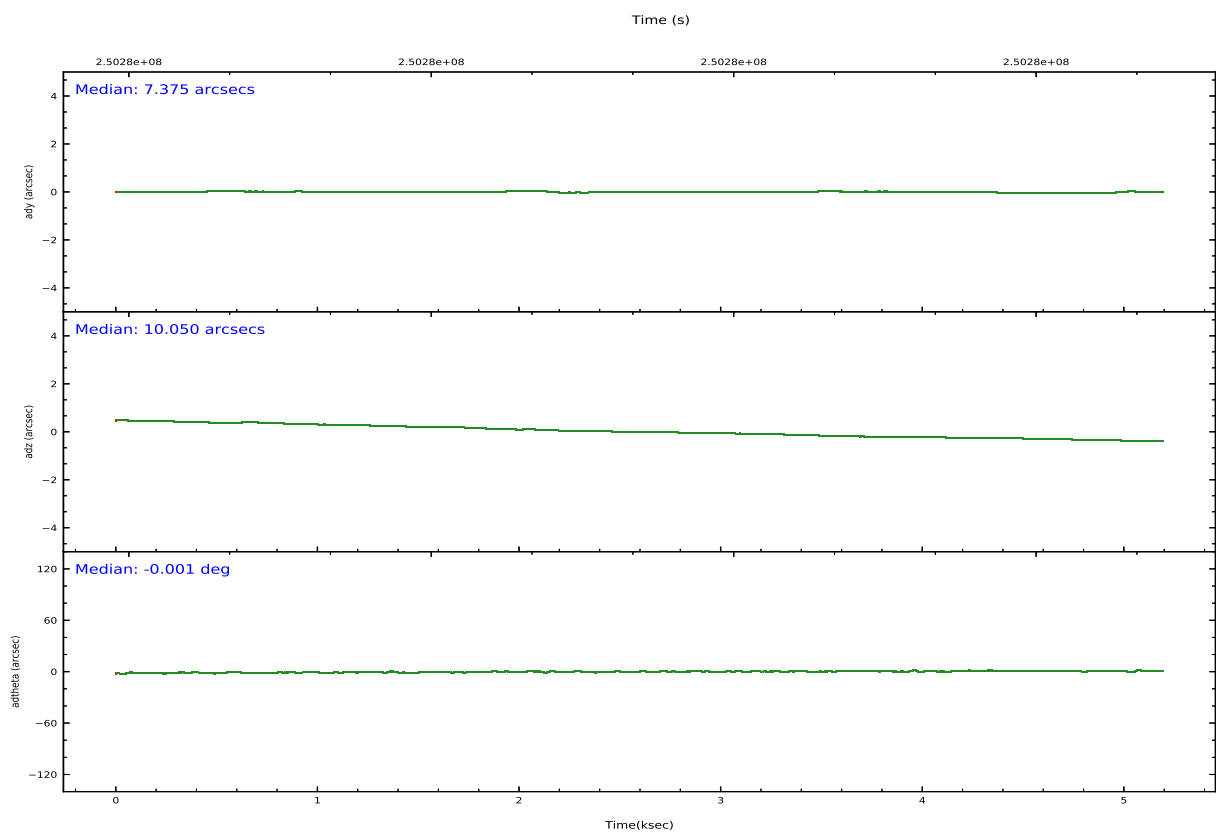
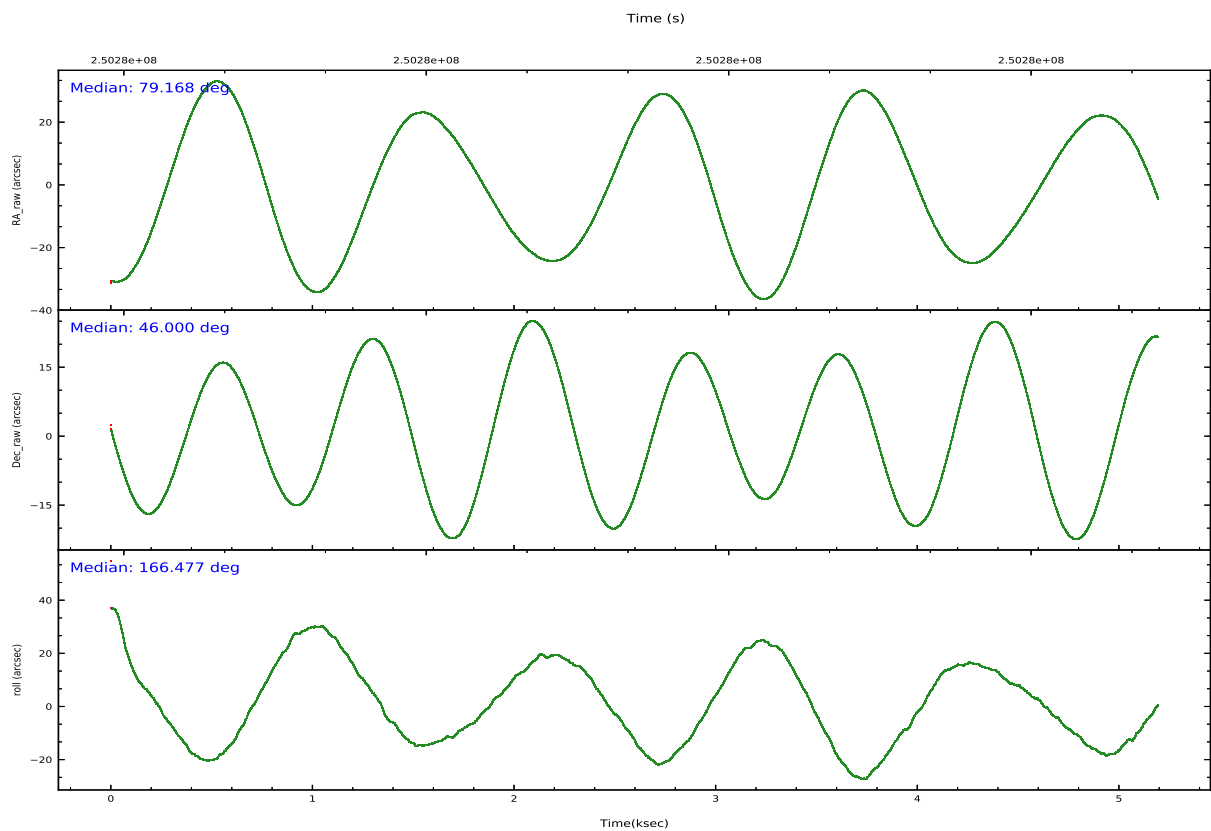
2.2 Compared Parameters

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	79.204811	79.171928033558
[deg] Pointing Dec	46.008750	46.002599527383
[deg] Pointing Roll	166.553969	166.47726536549
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	138.985494	138.9913498702368
[mm] SIM translation stage offset	-12	-12.00586097863524
[s] Observation start time (MET)	250279130.184000	250278753.48997
Observation start date	2005-12-06T17:57:46	2005-12-06T17:52:33
[s] Observation end time (MET)	250284130.184000	250284263.89022
Observation end date	2005-12-06T19:21:06	2005-12-06T19:24:23

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

2.3 Aspect



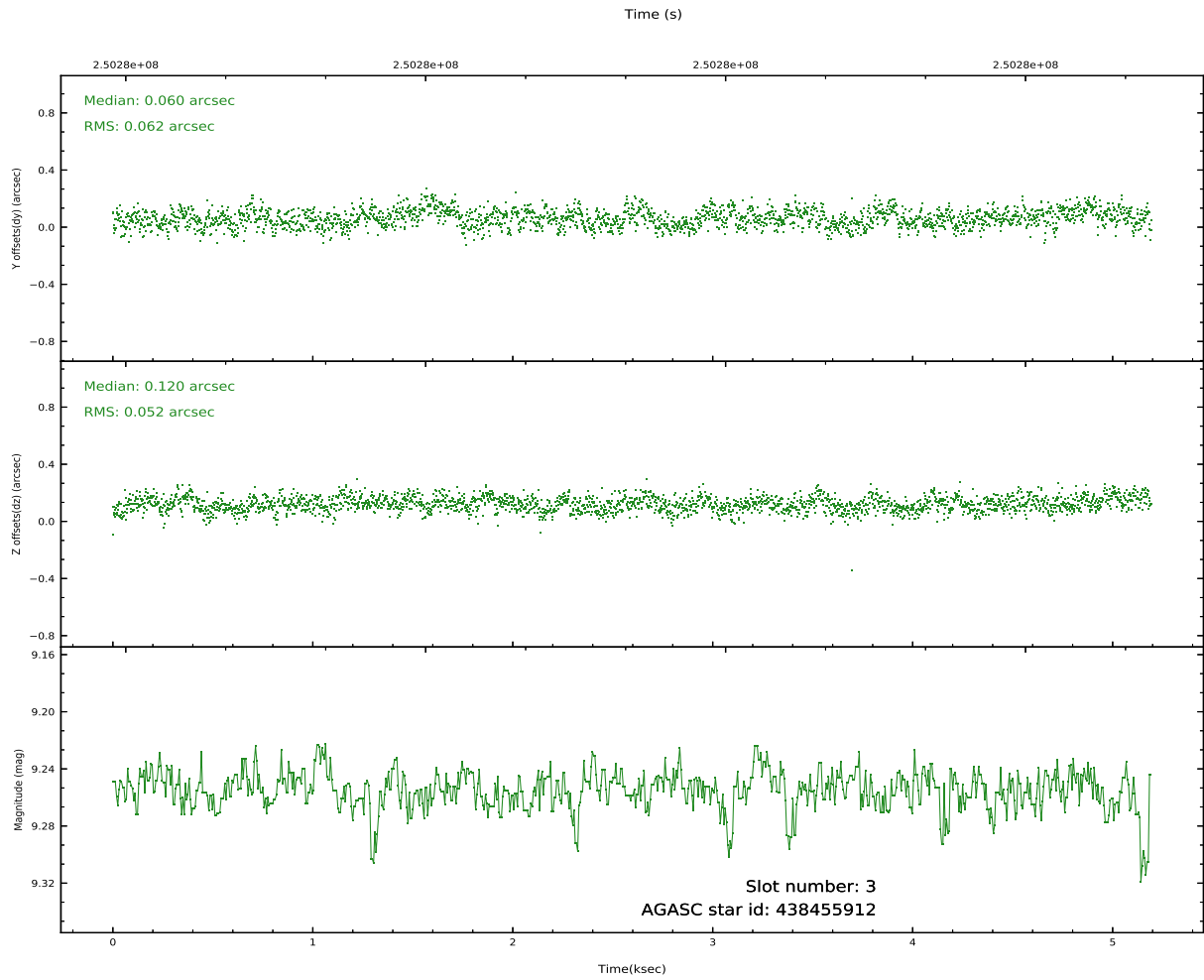
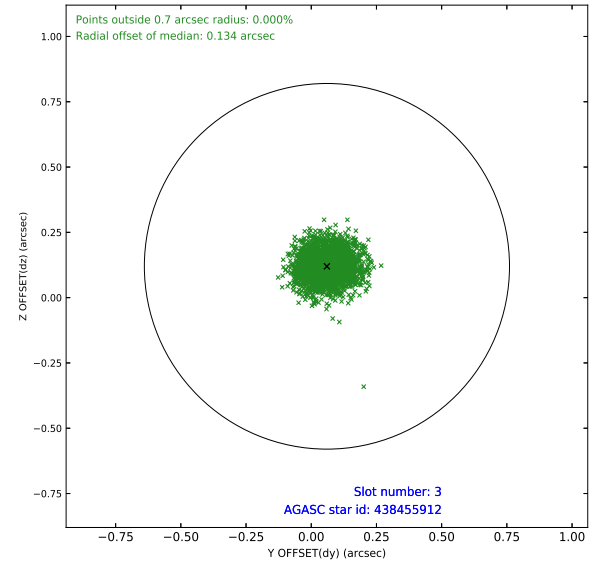
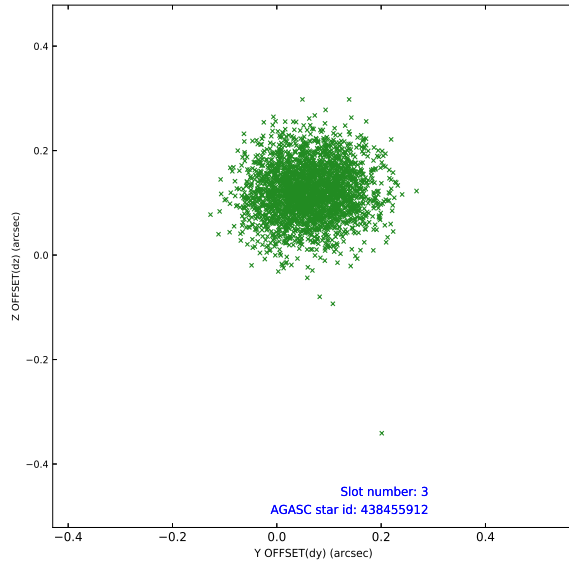


Slot Statistics

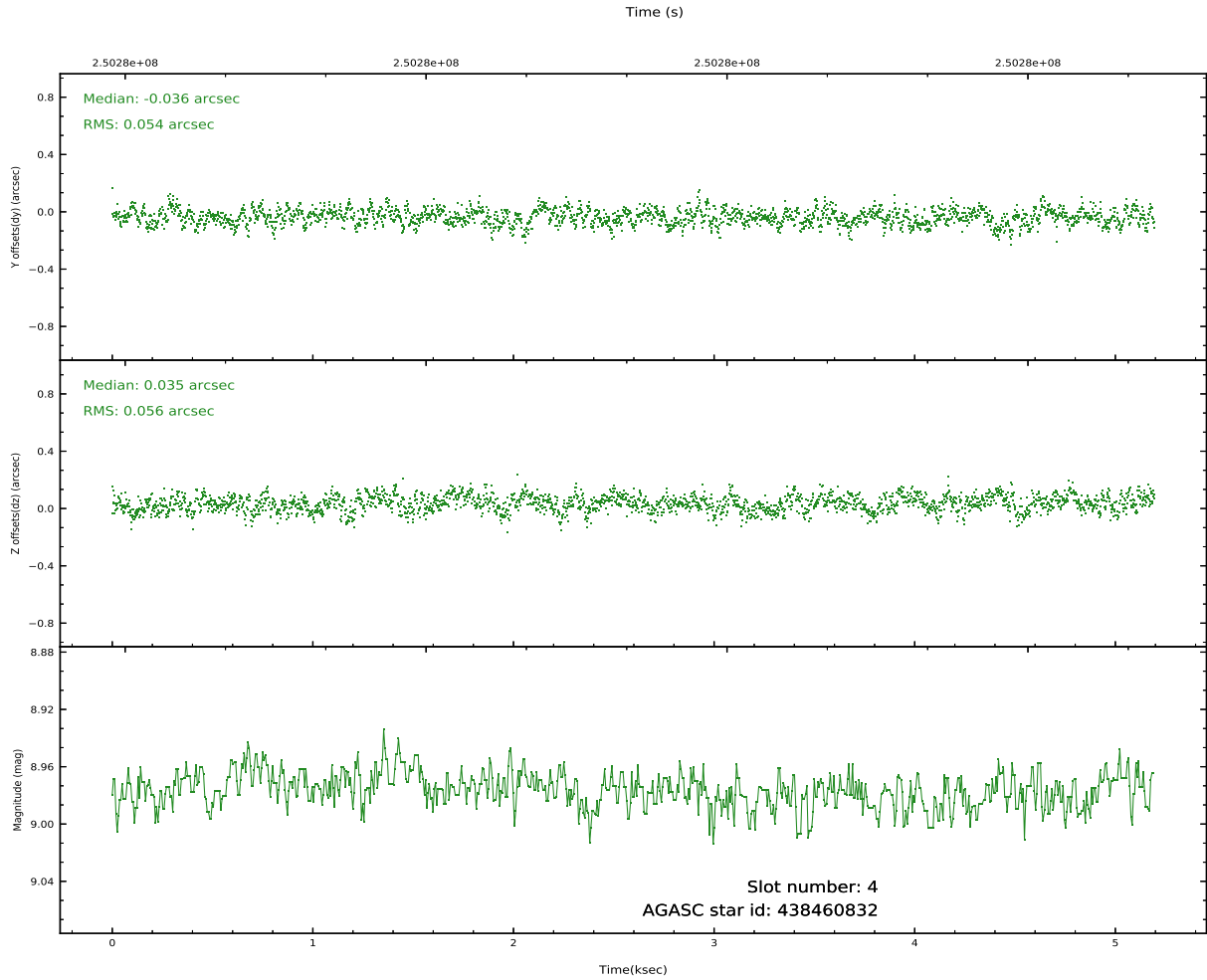
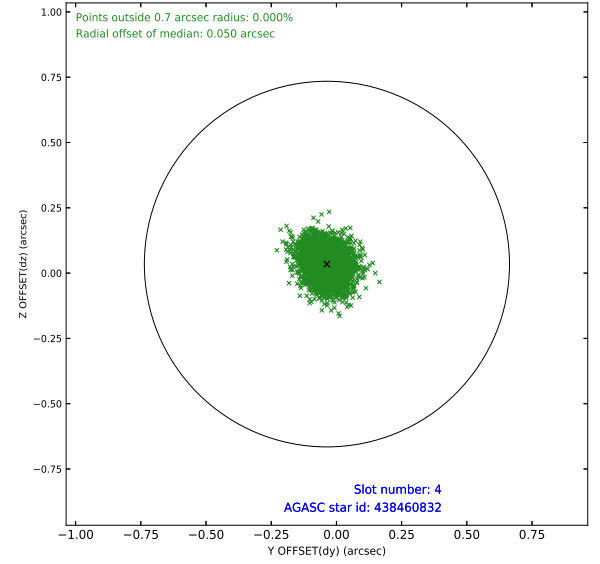
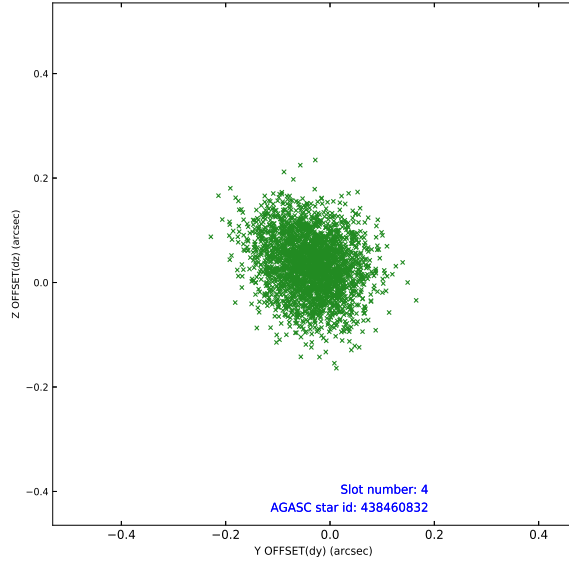
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	1268	1.000	0.121	-0.702	0.007	0.012	0.000000	0.000000	-763.06	-1544
1	FID		HRC-I-2	7.05	1268	1.000	-0.046	0.112	0.008	0.016	0.000000	0.000000	849.50	-1547
2	FID		HRC-I-3	7.14	1268	1.000	0.042	0.497	0.010	0.018	0.000000	0.000000	-1190.62	758
3	GUIDE	used	438455912	9.25	2535	1.000	0.060	0.120	0.087	0.139	78.251946	45.690923	2068.65	1656
4	GUIDE	used	438460832	8.98	2533	1.000	-0.036	0.035	0.083	0.134	78.414614	45.554782	1561.11	2043
5	GUIDE	used	440140240	9.98	2534	1.000	-0.068	-0.079	0.142	0.236	78.889349	46.726437	1360.30	-2332
6	GUIDE	used	440150048	7.16	2534	1.000	-0.000	-0.036	0.081	0.128	79.112838	46.416060	564.83	-1374
7	GUIDE	used	440163960	8.88	2534	1.000	0.039	-0.044	0.072	0.114	79.298370	45.827072	-379.15	580

2.4 Star Slots

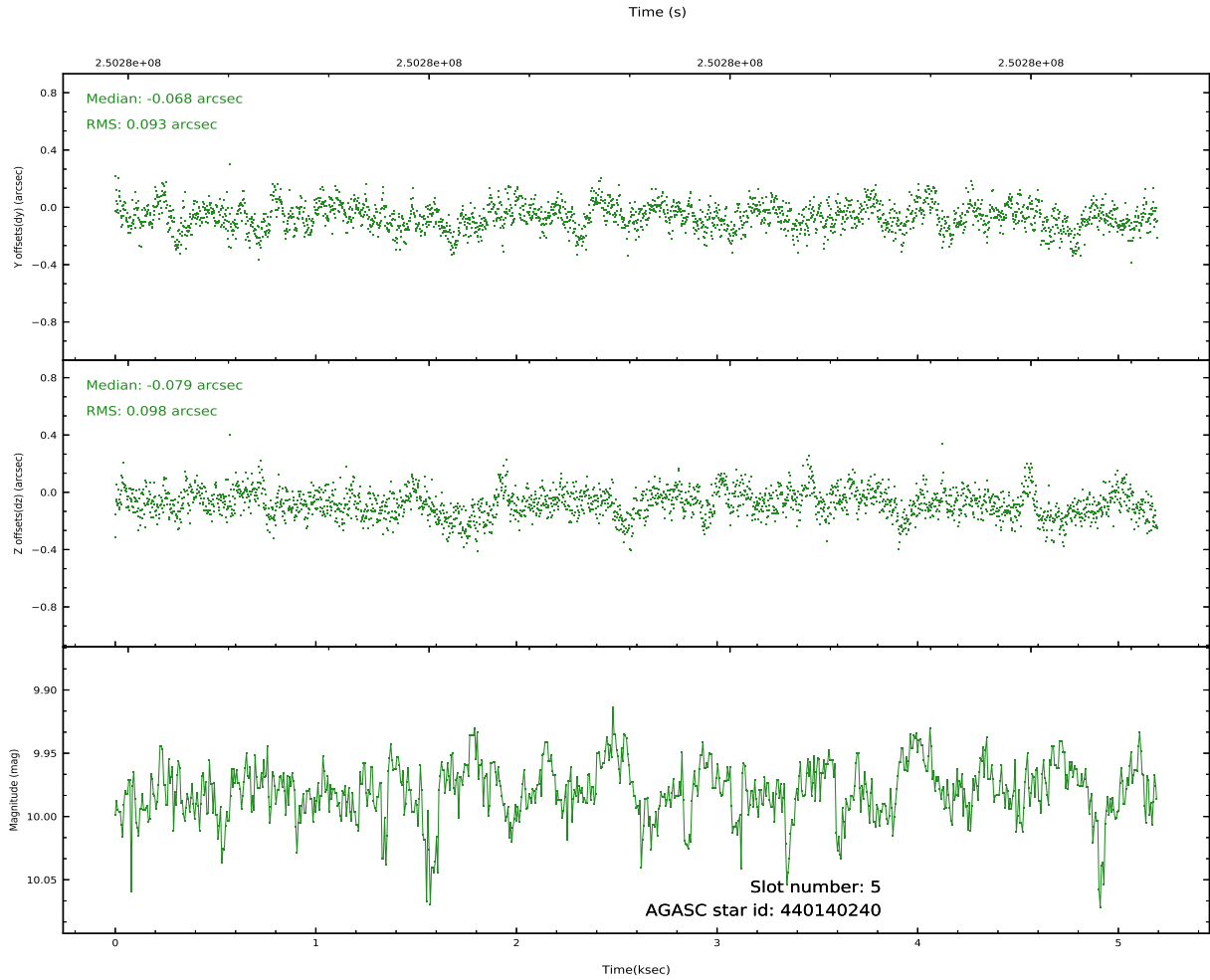
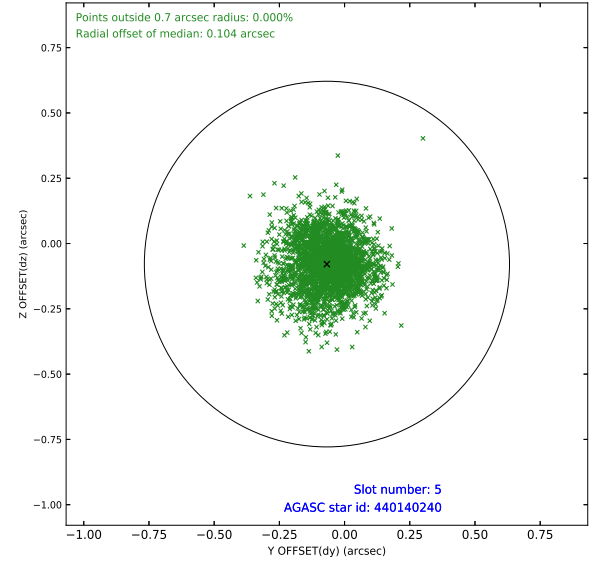
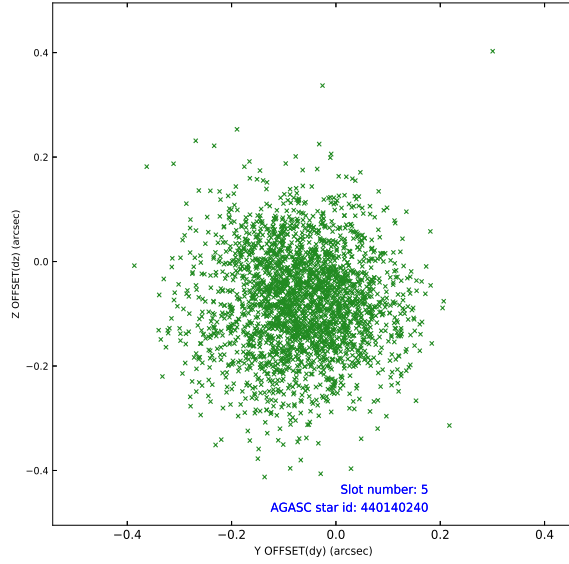
2.4.1 Slot 3



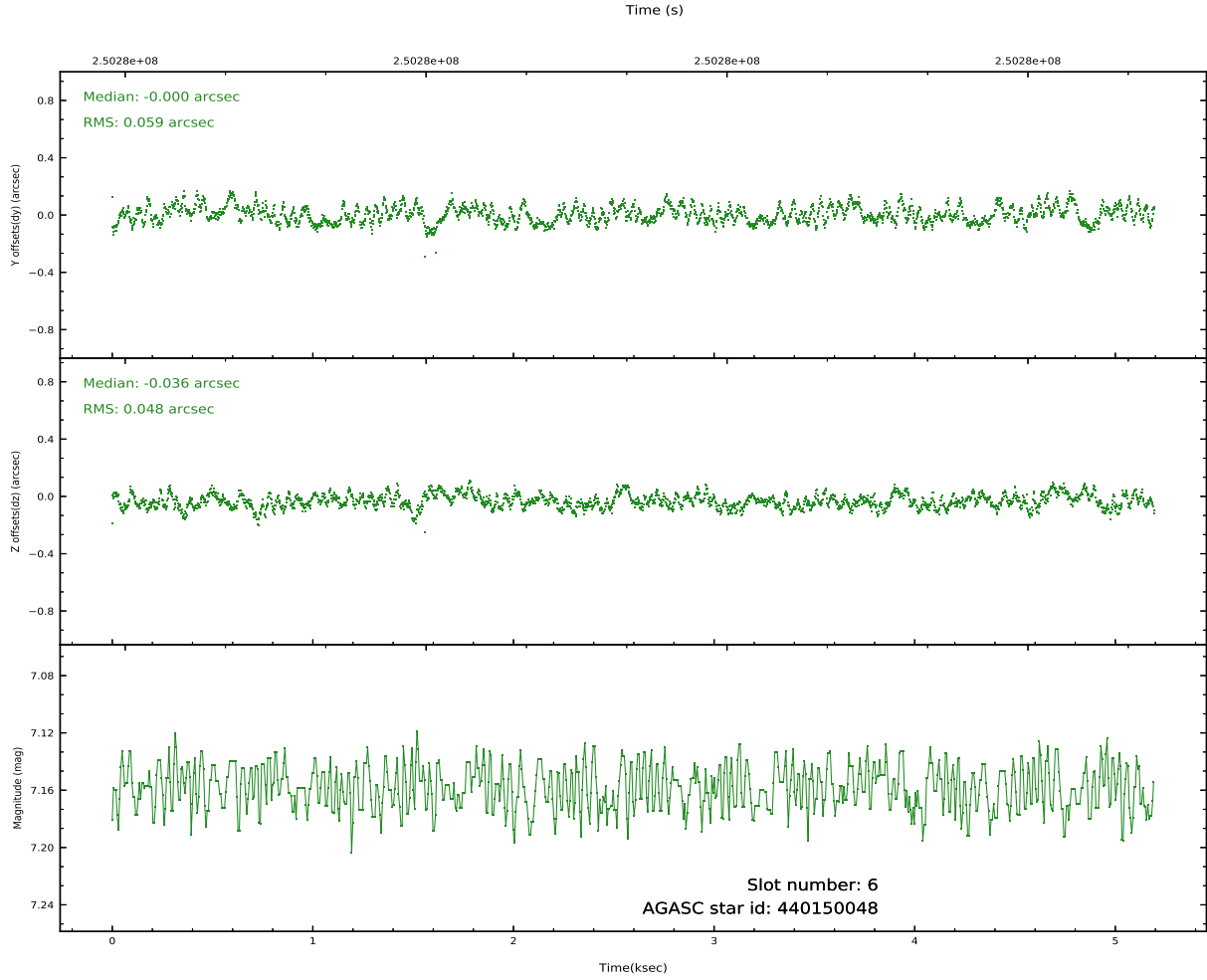
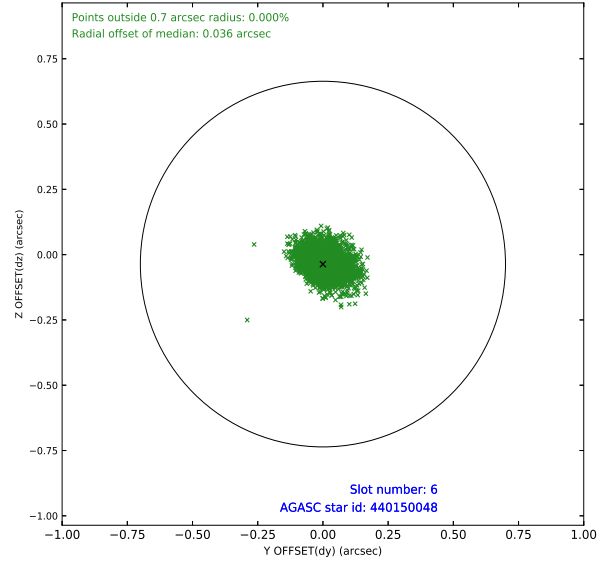
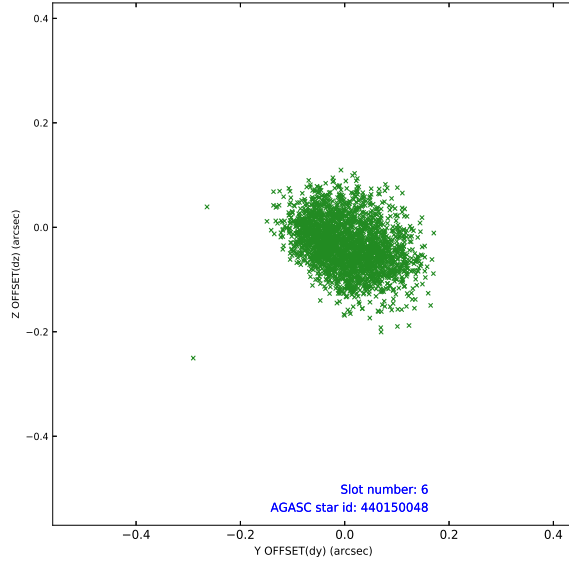
2.4.2 Slot 4



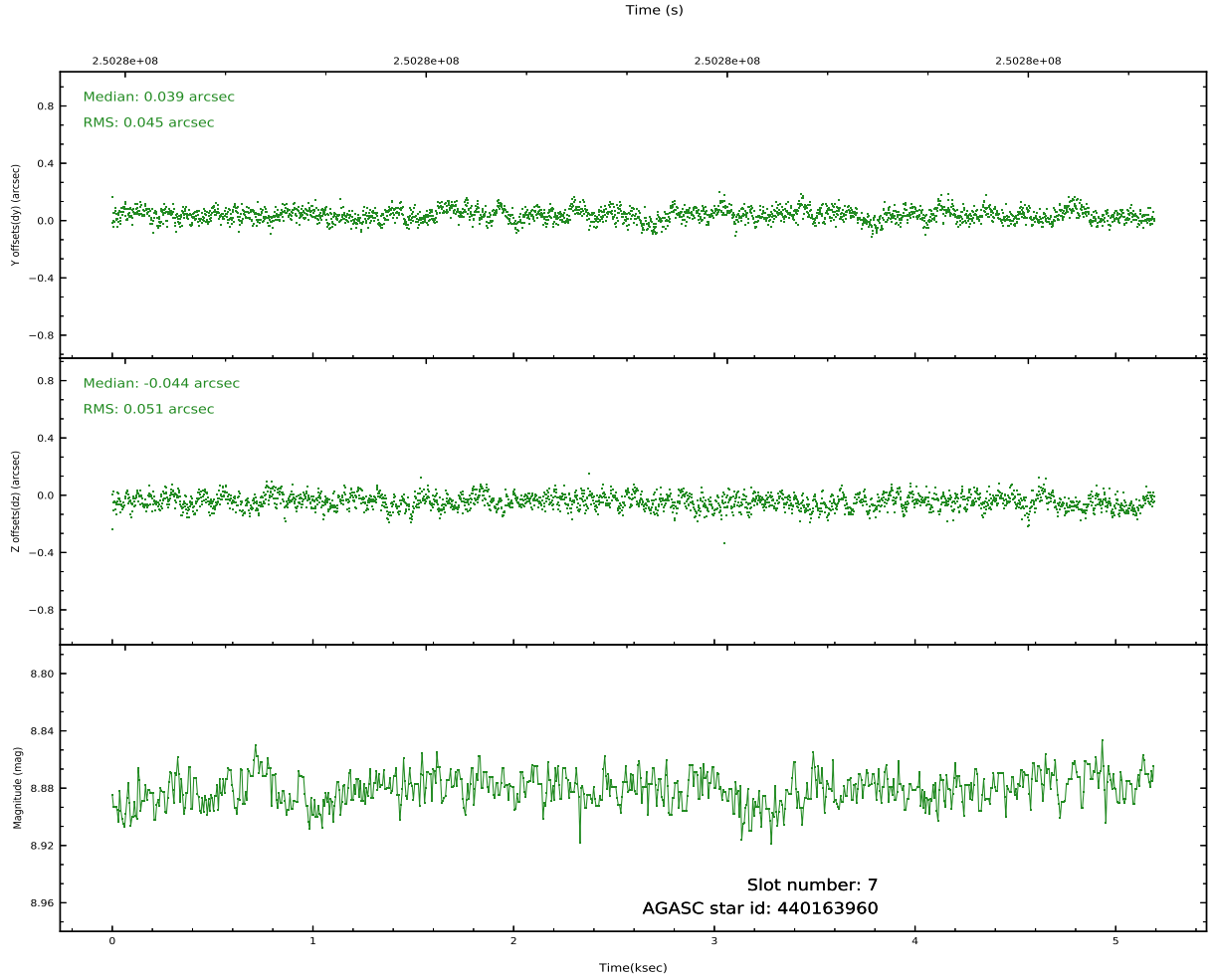
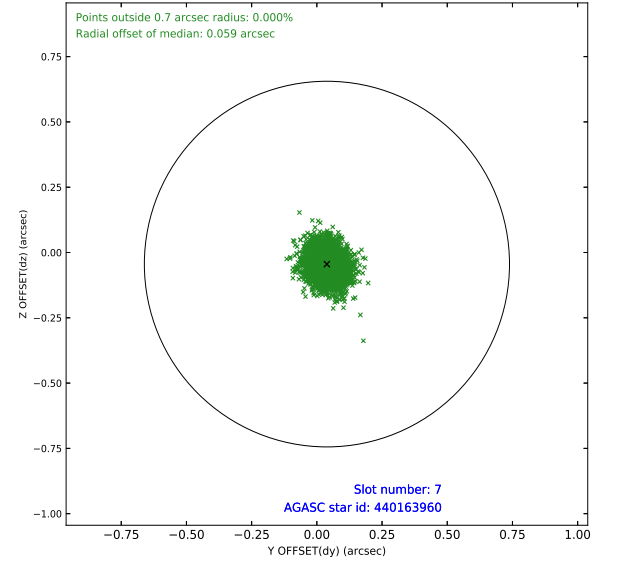
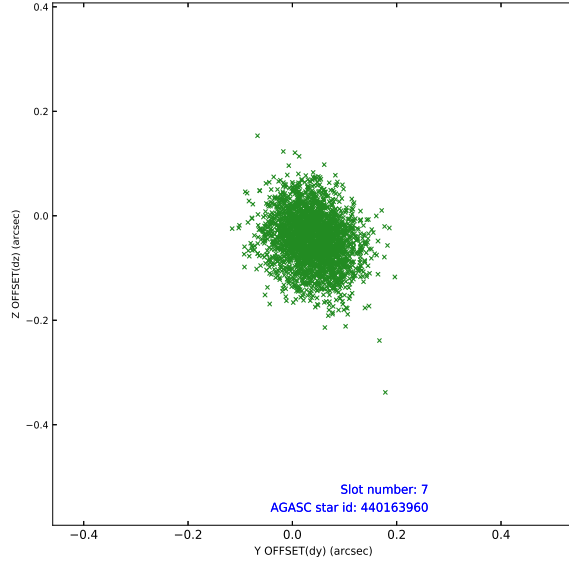
2.4.3 Slot 5



2.4.4 Slot 6

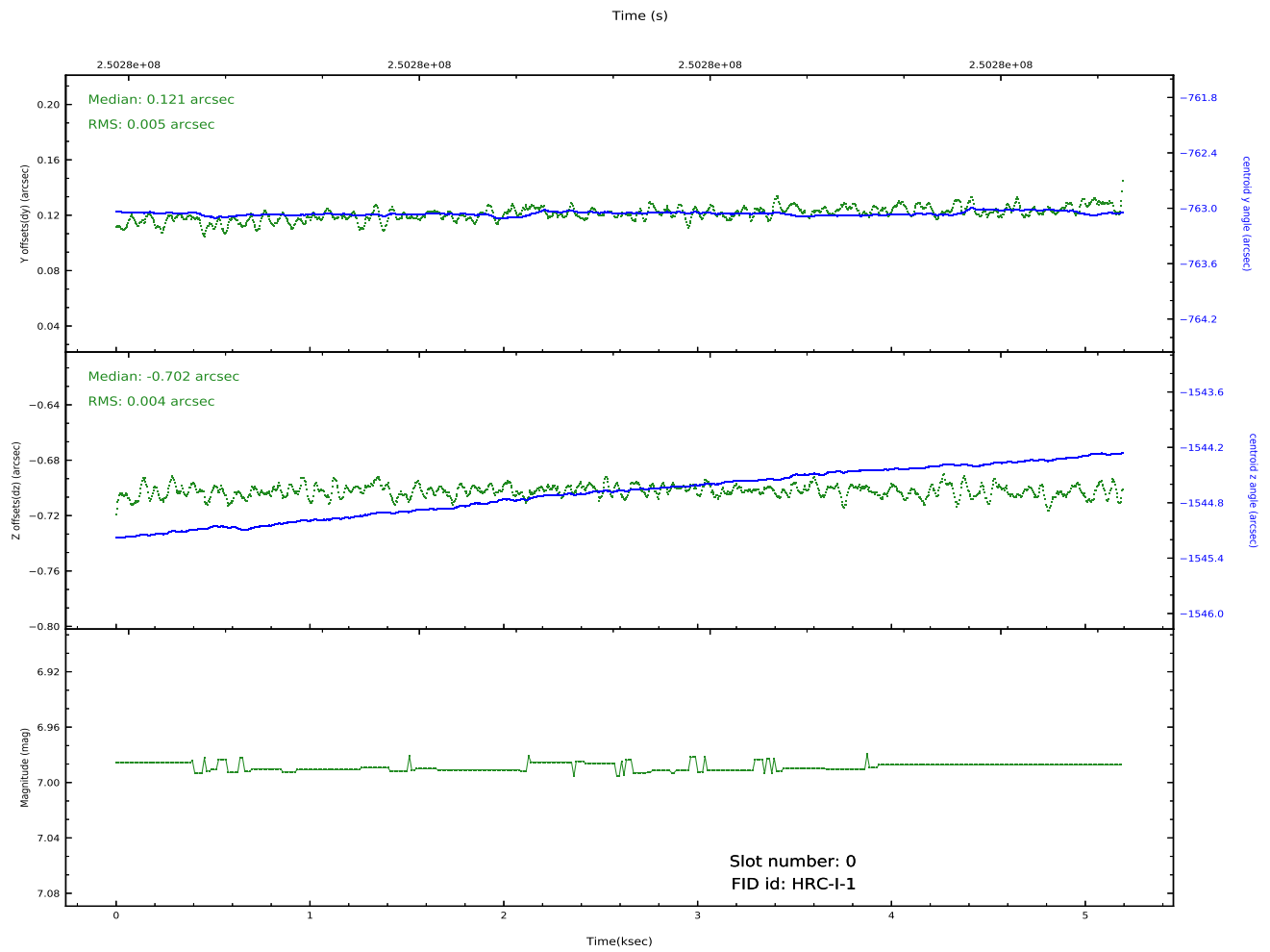
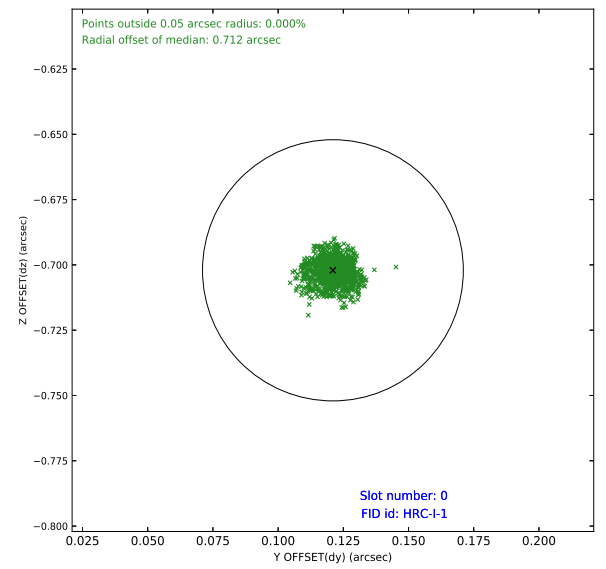
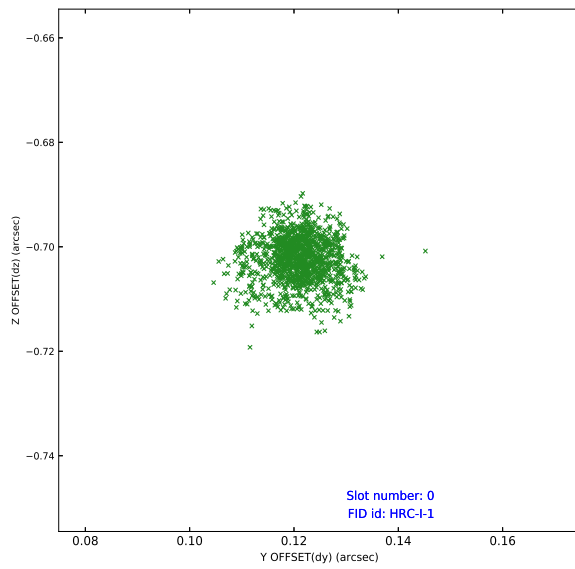


2.4.5 Slot 7

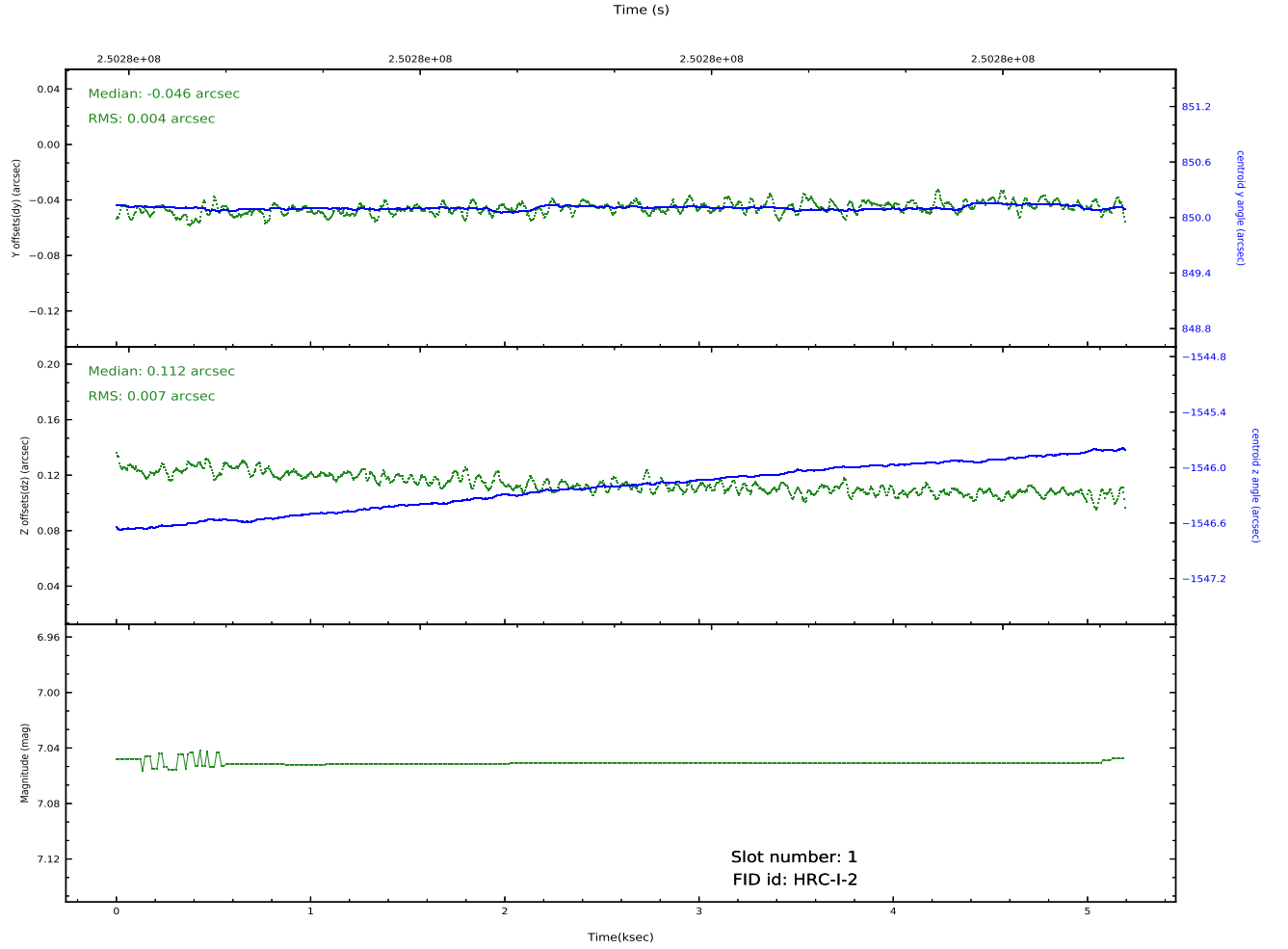
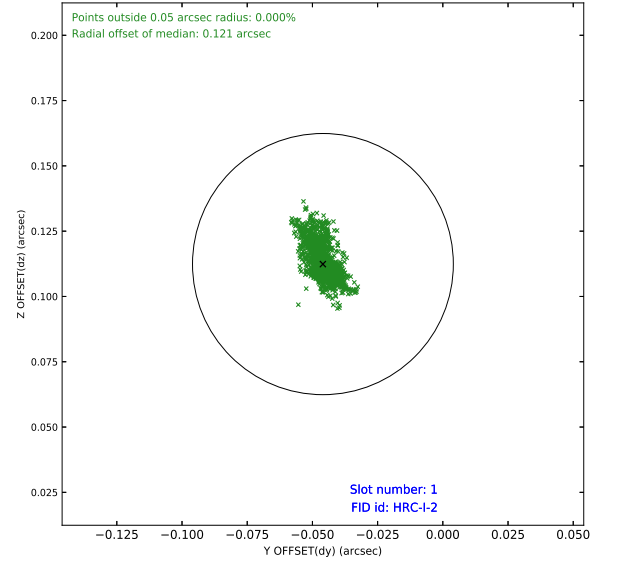
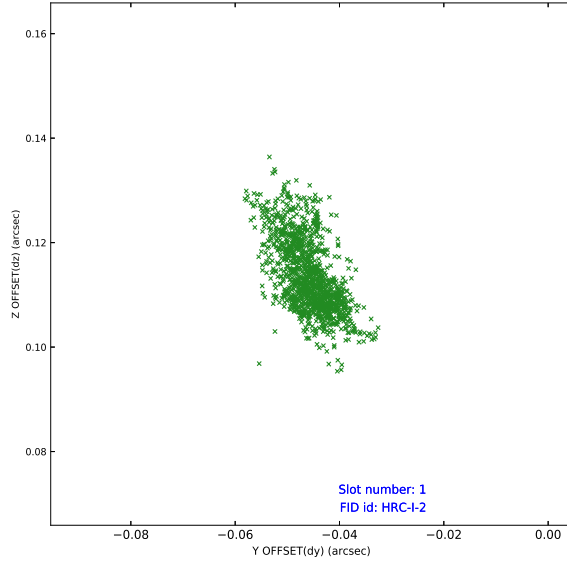


2.5 FID Slots

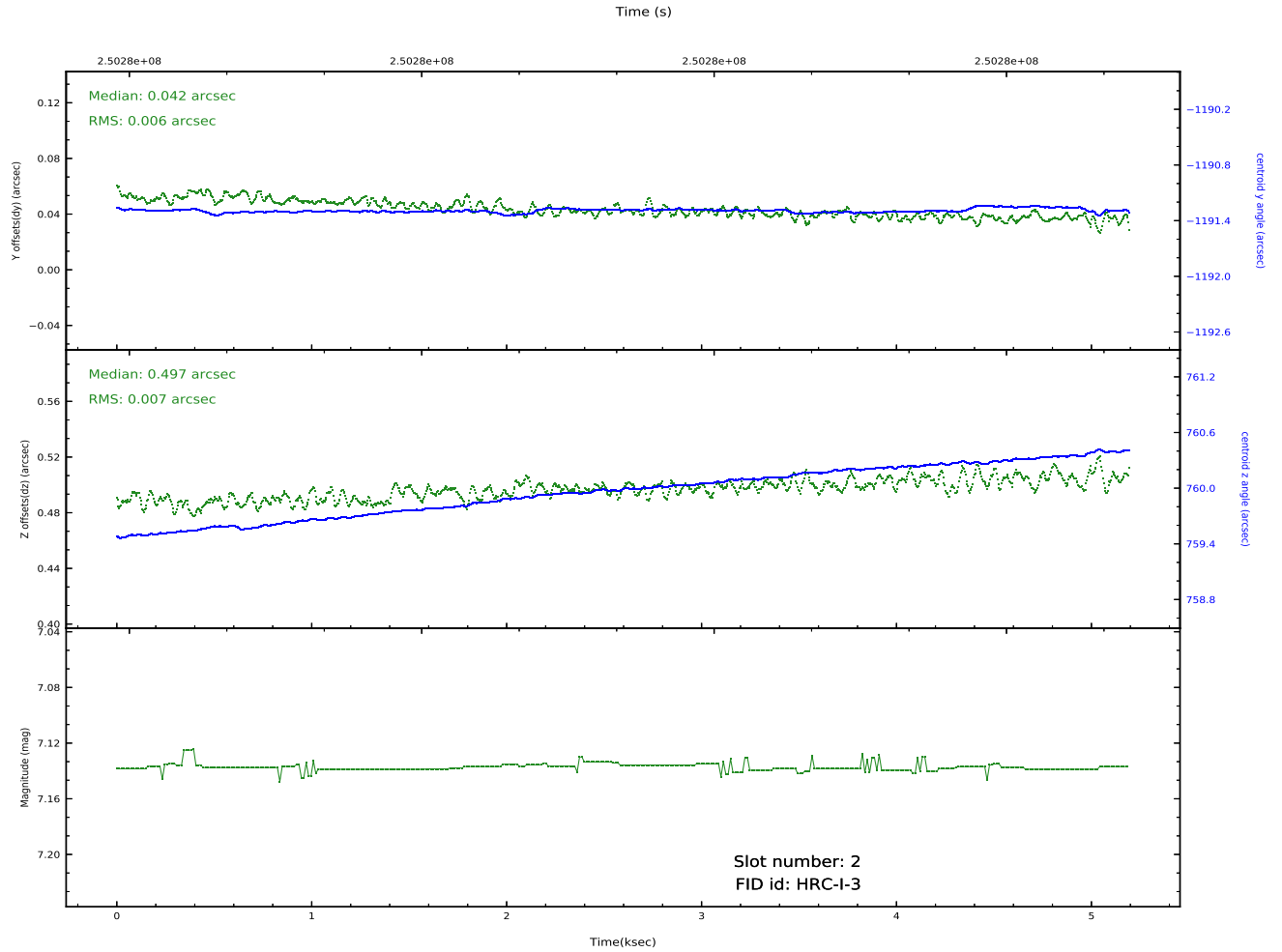
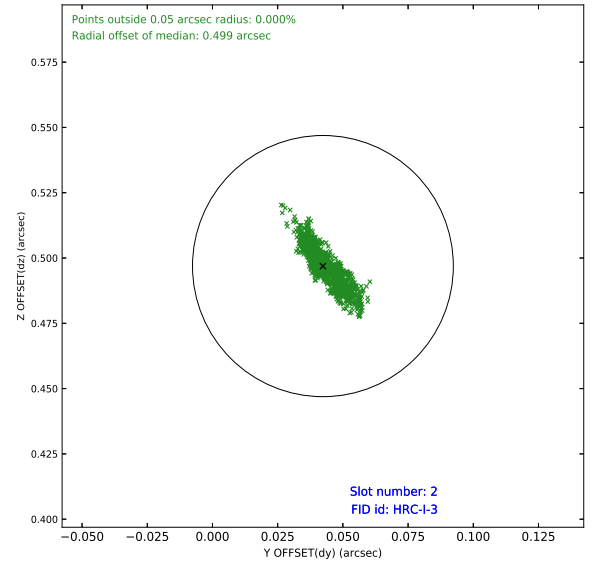
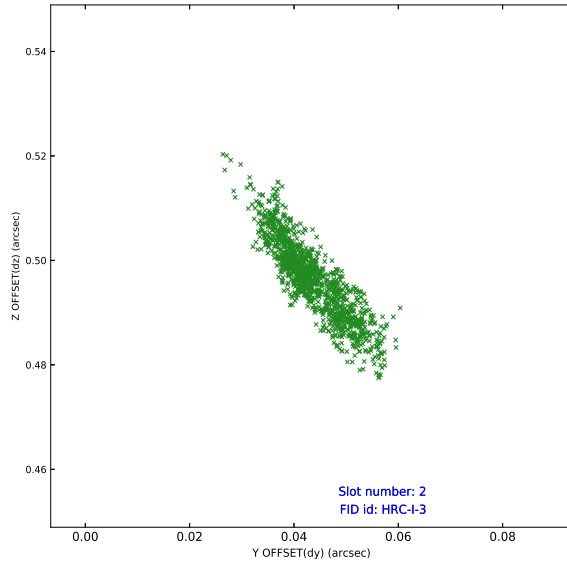
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.193931

A.2 Comments

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges.