

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 18303 - L2 Version 2
Chandra X-Ray Center

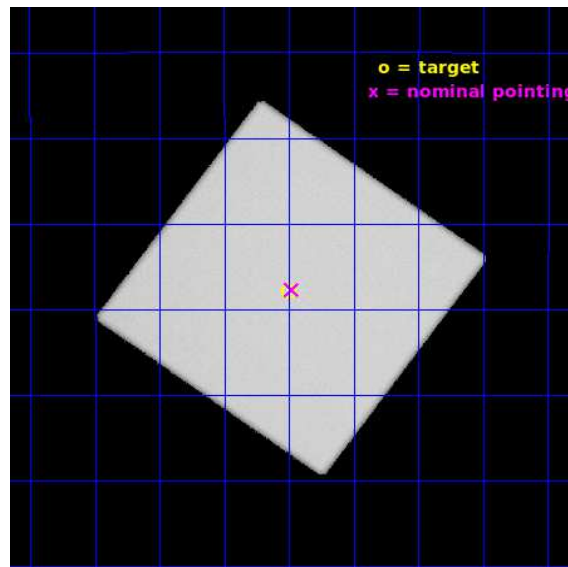
L2 Processing Date : Oct 26 2020

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1 Front

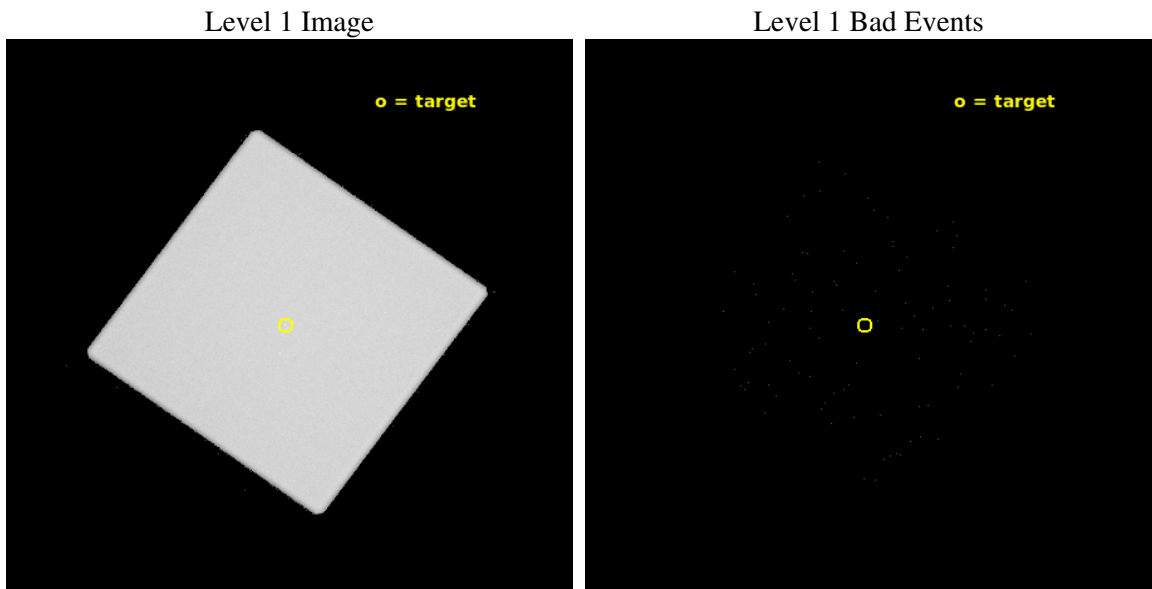
seq_num	100158	Sequence number
obs_id	18303	Observation id
title	Disecting the Morphology of Jupiter's Auroral Hot Spot	Proposal t
observer	Dr. Randy Gladstone	Principal investigator
object	Jupiter	Source name
ra_targ	220.99994	Observer's specified target RA [deg]
dec_targ	-14.799454	Observer's specified target Dec [deg]
ra_nom	220.99429963611	Nominal RA [deg]
dec_nom	-14.795060866799	Nominal Dec [deg]
roll_nom	260.88685423025	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40586.671154261	[s]
lvertime	40029.009052963	Ontime multiplied by DTCOR
l2events	4814518	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	40400.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	40586.671154261	[s]
caldsver	4.9.3	 	l1events	6468237	Number of level 1 events
date	2020-10-26T19:56:29	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

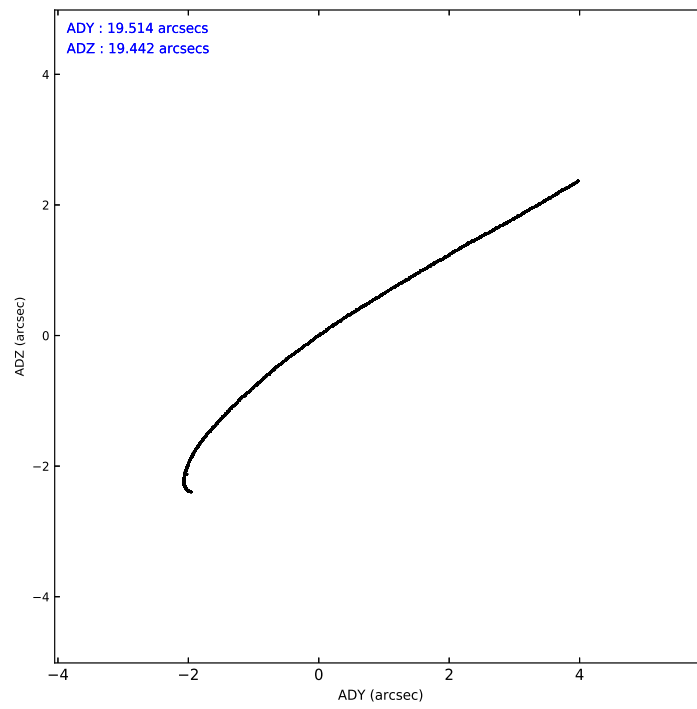
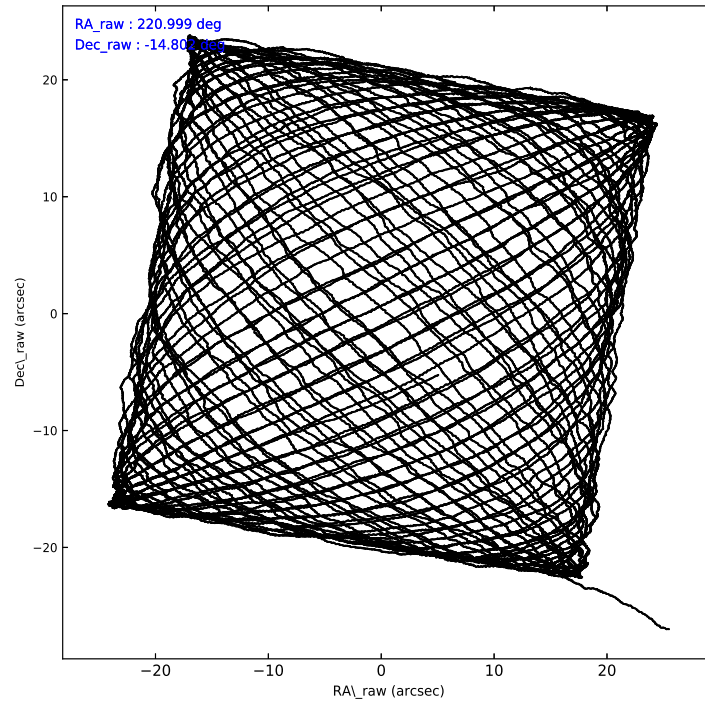
	segment 0
level 1 events	6468237
rejected events	117846
rejected %	1%

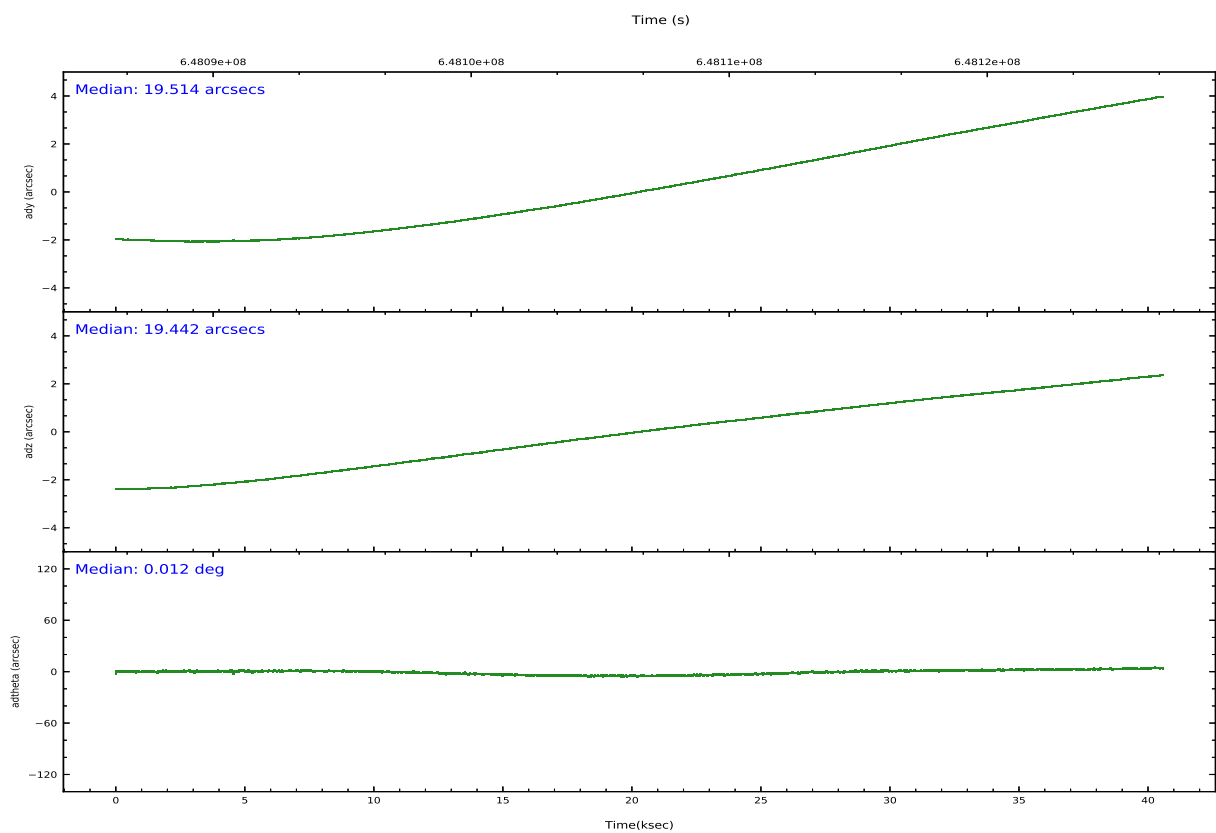
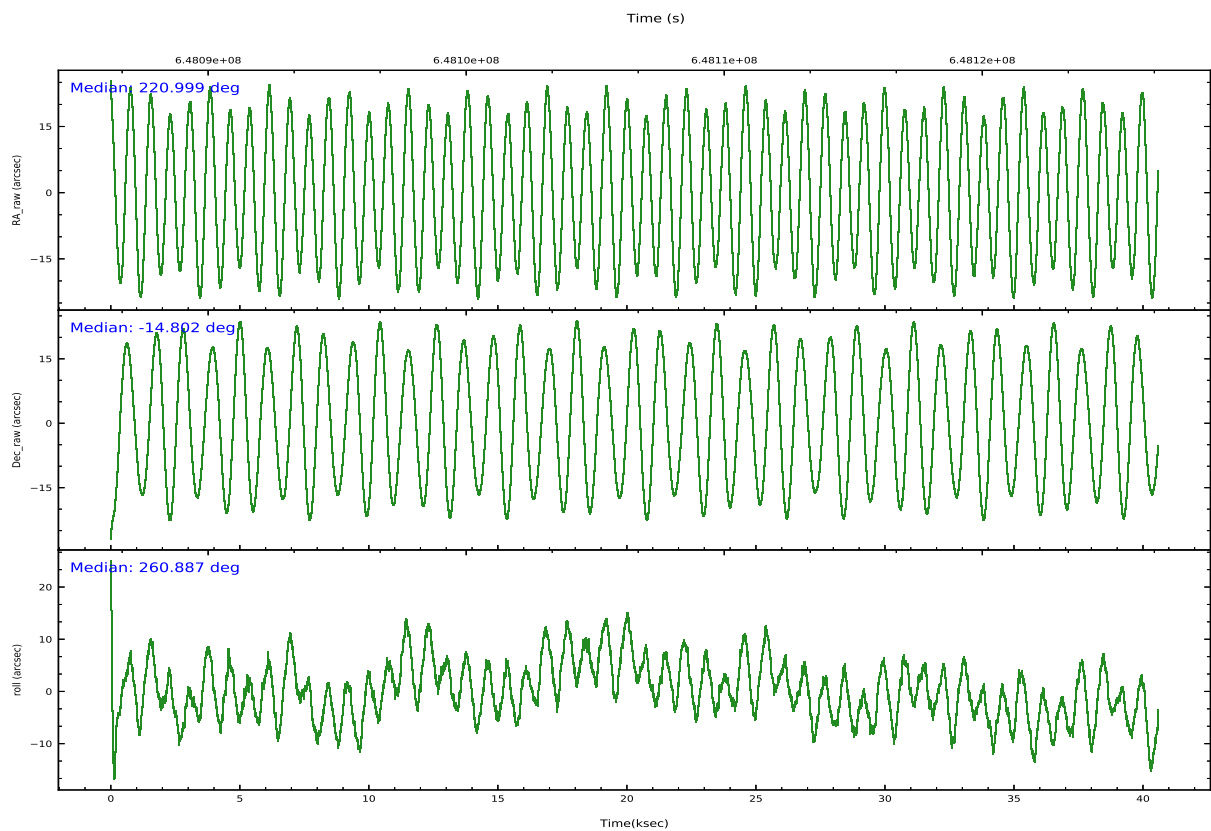
2.2 Compared Parameters

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	220.988411	220.99429963611
[deg] Pointing Dec	-14.776260	-14.795060866799
[deg] Pointing Roll	260.997060	260.88685423025
[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)	648086414.184000	648085496.9265
Observation start date	2018-07-15T23:59:05	2018-07-15T23:44:56
[s] Observation end time (MET)	648126814.184000	648127460.9414901
Observation end date	2018-07-16T11:12:25	2018-07-16T11:24:20

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

2.3 Aspect



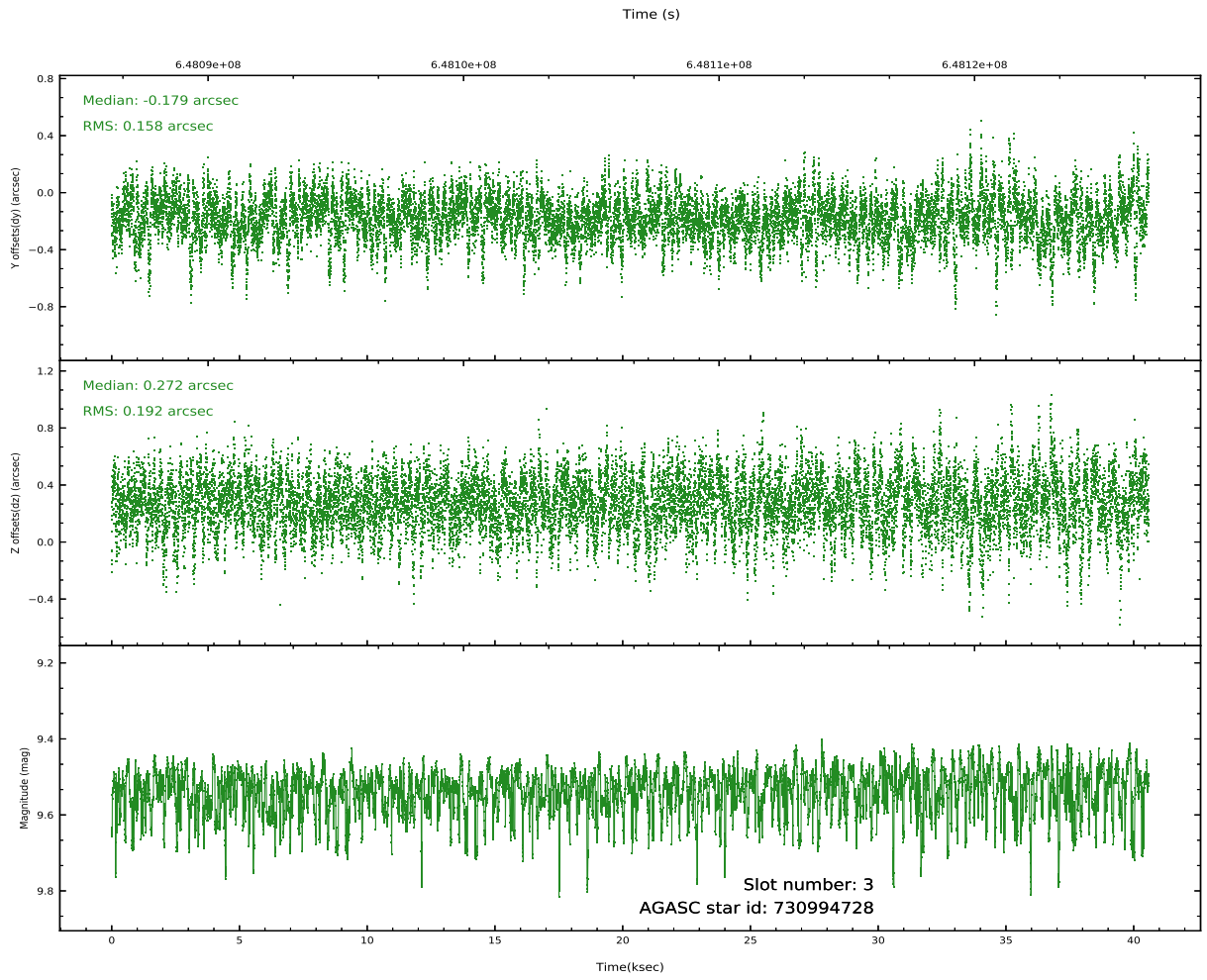
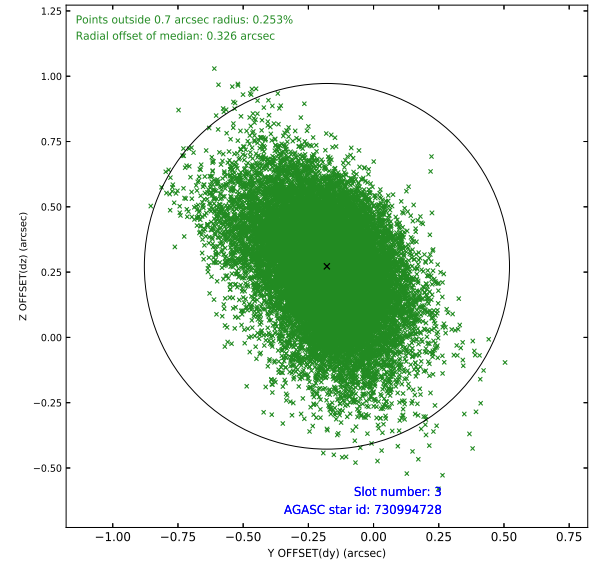
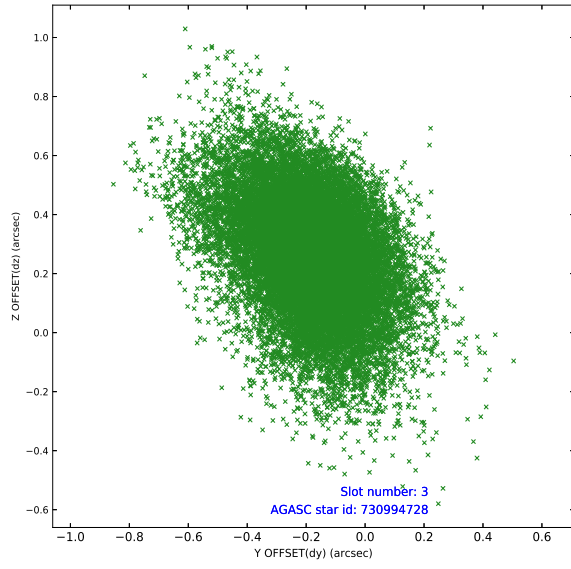


Slot Statistics

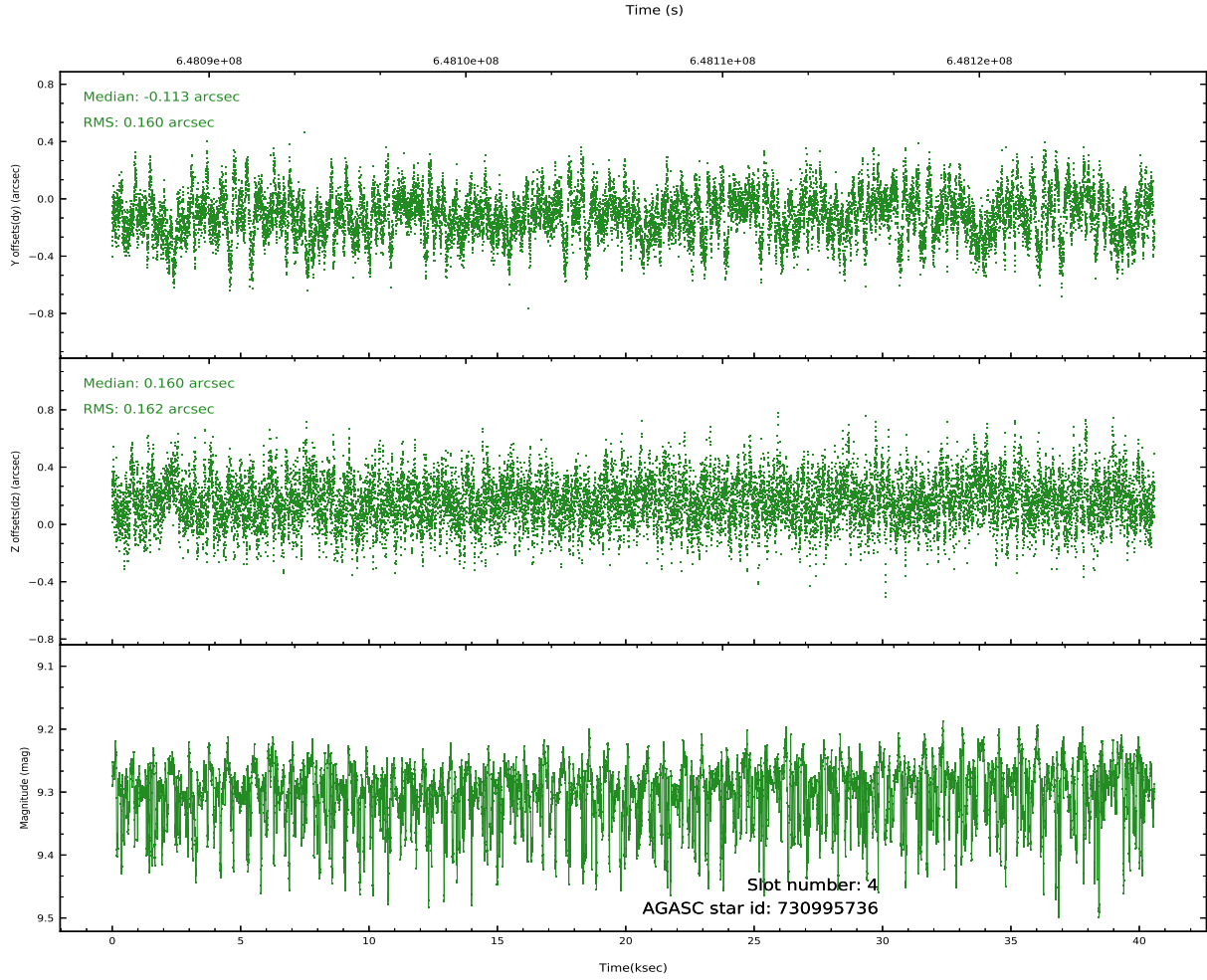
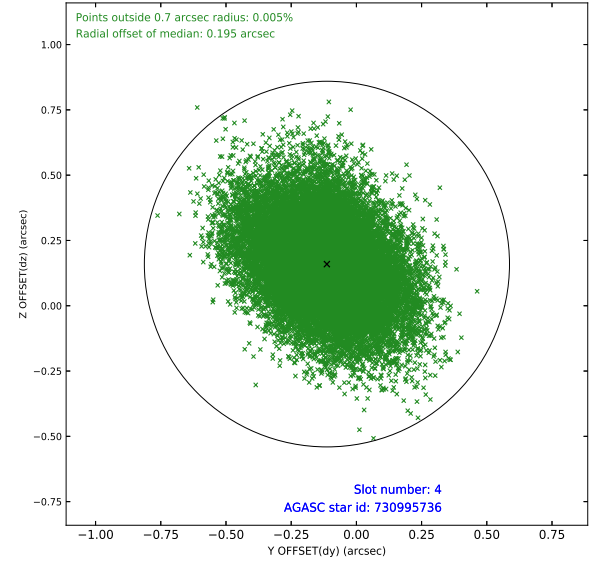
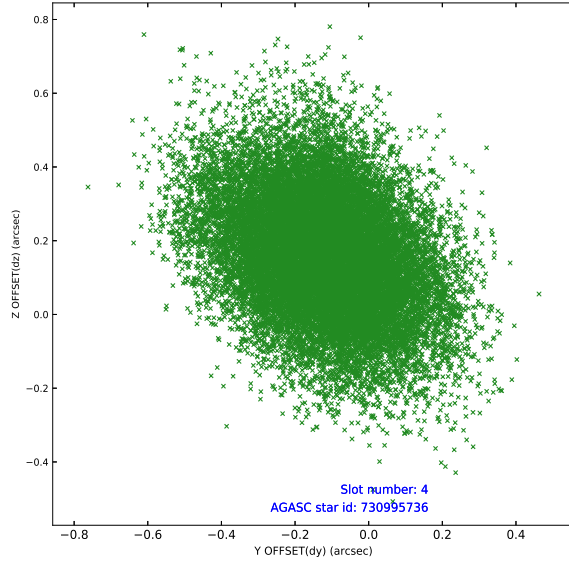
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	9900	1.000	-0.049	0.069	0.025	0.036	0.000000	0.000000	-775.87	-1307
1	FID		HRC-I-2	7.04	9898	1.000	0.316	-0.262	0.038	0.064	0.000000	0.000000	837.04	-1309
2	FID		HRC-I-3	7.09	9899	1.000	-0.147	0.103	0.033	0.054	0.000000	0.000000	-1204.22	997
3	GUIDE	used	730994728	9.53	19755	1.000	-0.179	0.272	0.256	0.448	221.481853	-14.443036	-1451.94	1511
4	GUIDE	used	730995736	9.29	19764	1.000	-0.113	0.160	0.240	0.396	221.214445	-14.359621	-1604.42	543
5	GUIDE	used	806625744	6.07	19797	1.000	0.004	-0.146	0.161	0.275	221.490659	-15.459541	2158.79	2106
6	GUIDE	used	730994176	8.78	19789	1.000	-0.208	0.150	0.186	0.316	221.463690	-14.991396	508.25	1754
7	GUIDE	used	806624704	8.16	19785	1.000	0.513	-0.427	0.184	0.335	220.225266	-15.320314	2355.23	-2310

2.4 Star Slots

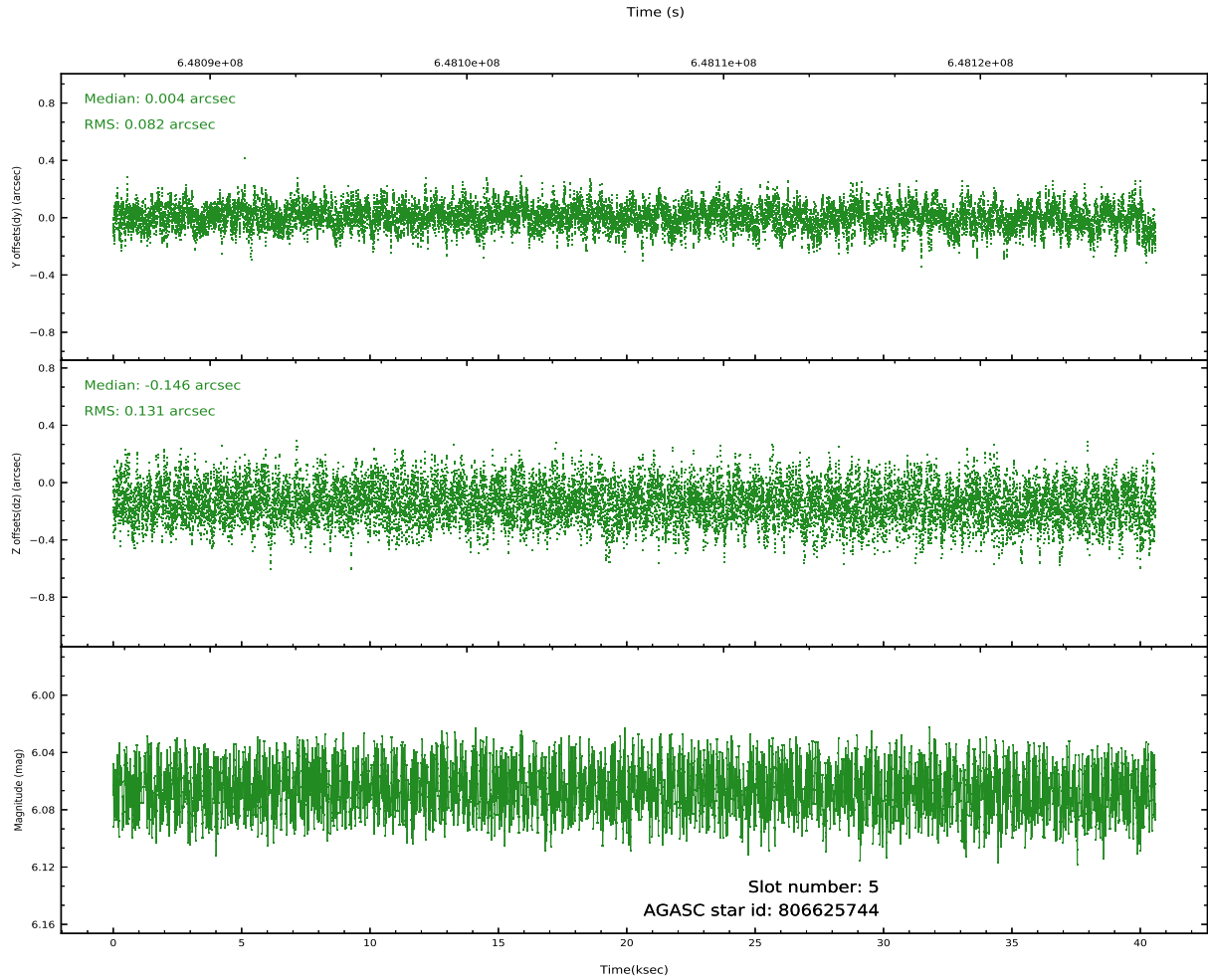
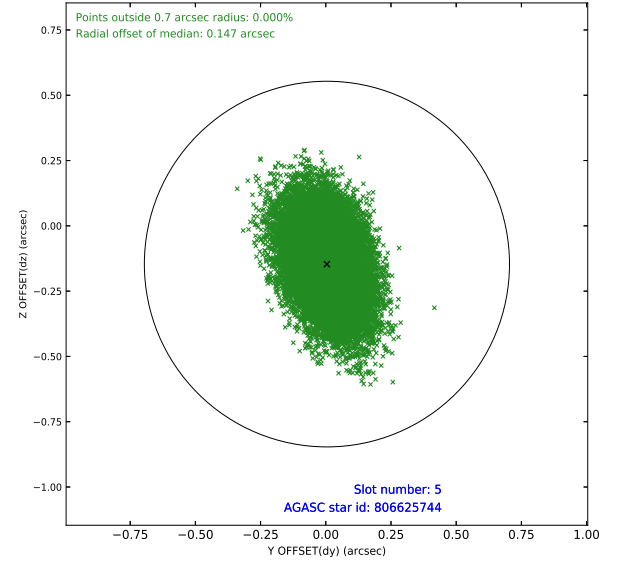
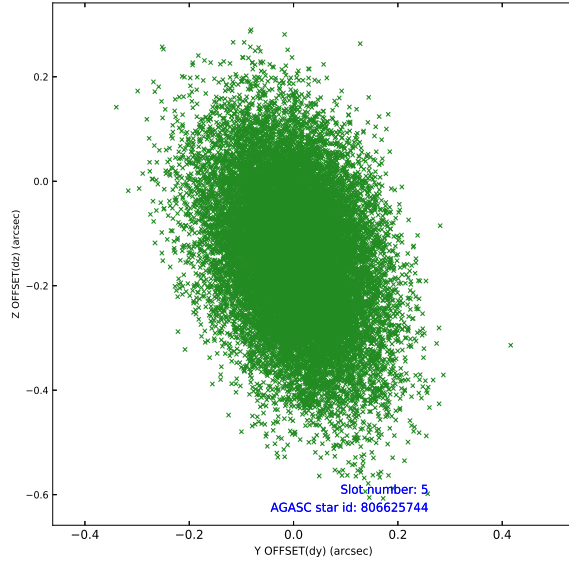
2.4.1 Slot 3



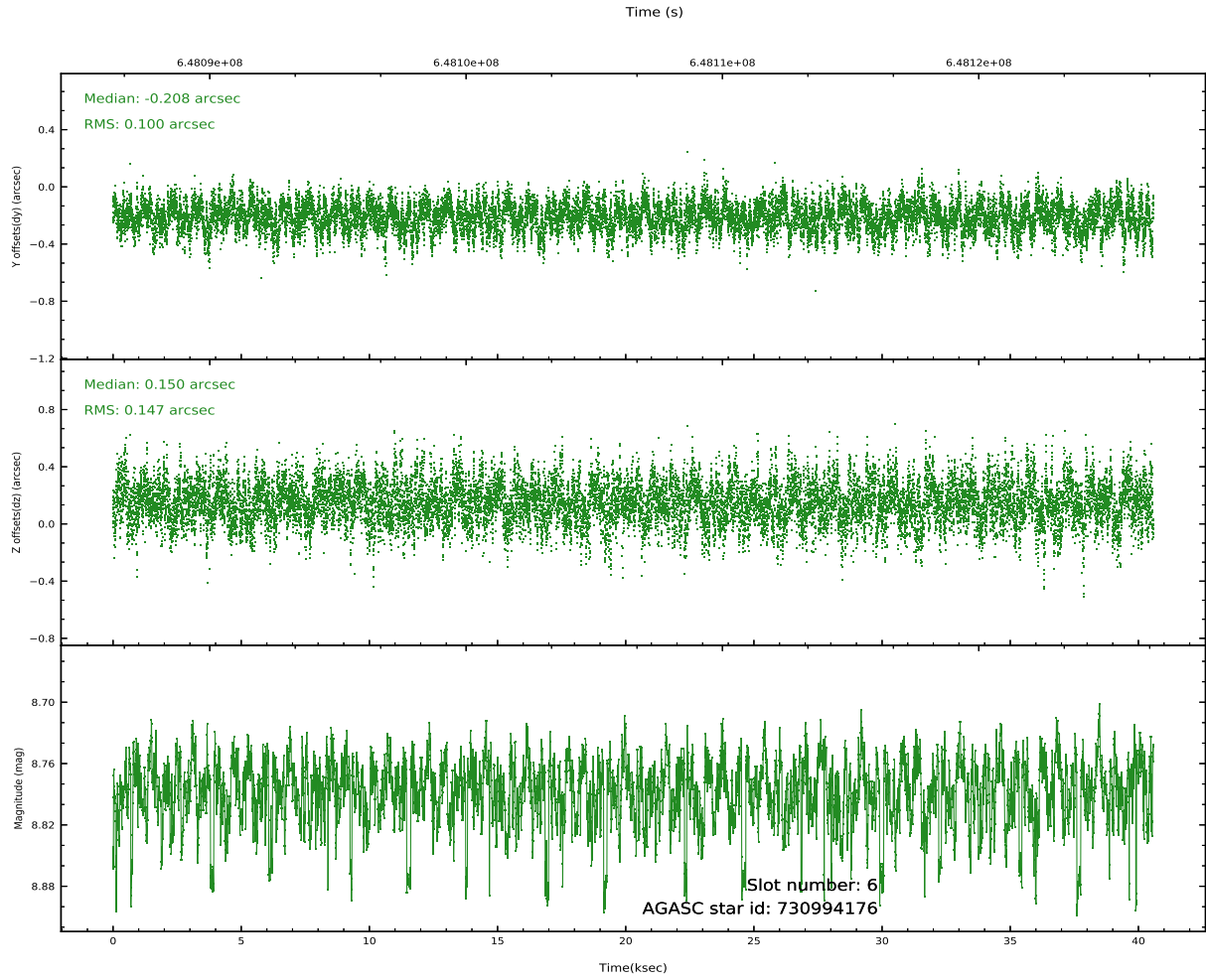
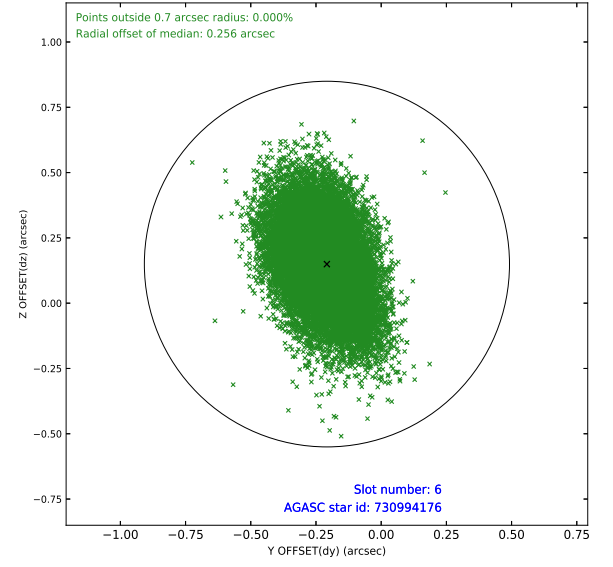
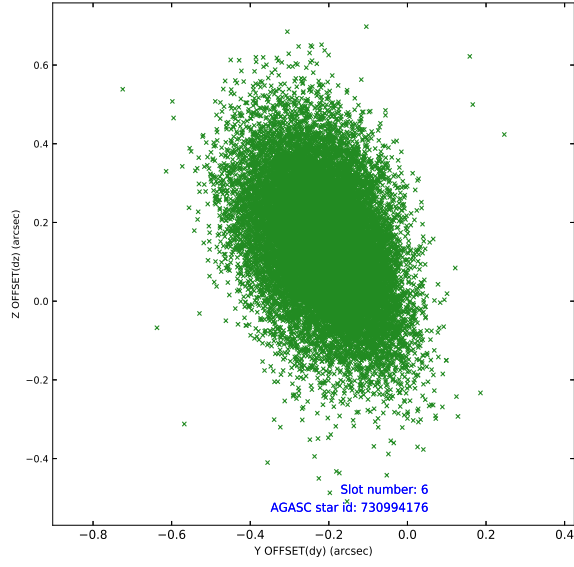
2.4.2 Slot 4



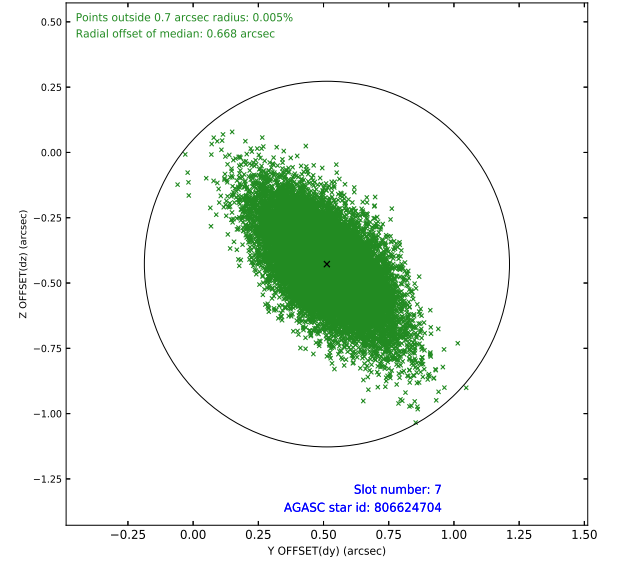
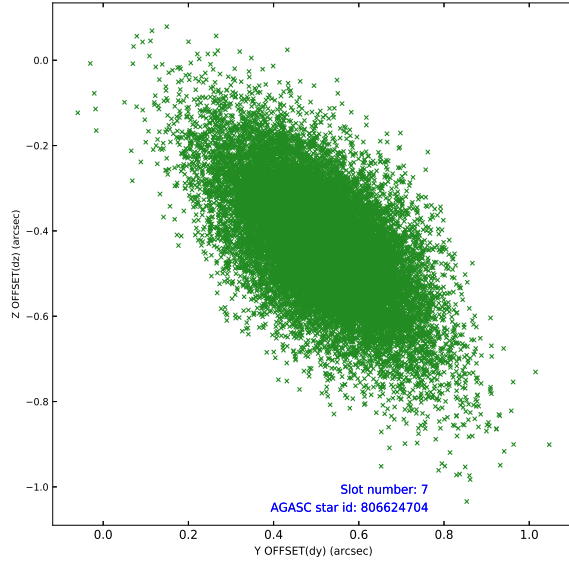
2.4.3 Slot 5



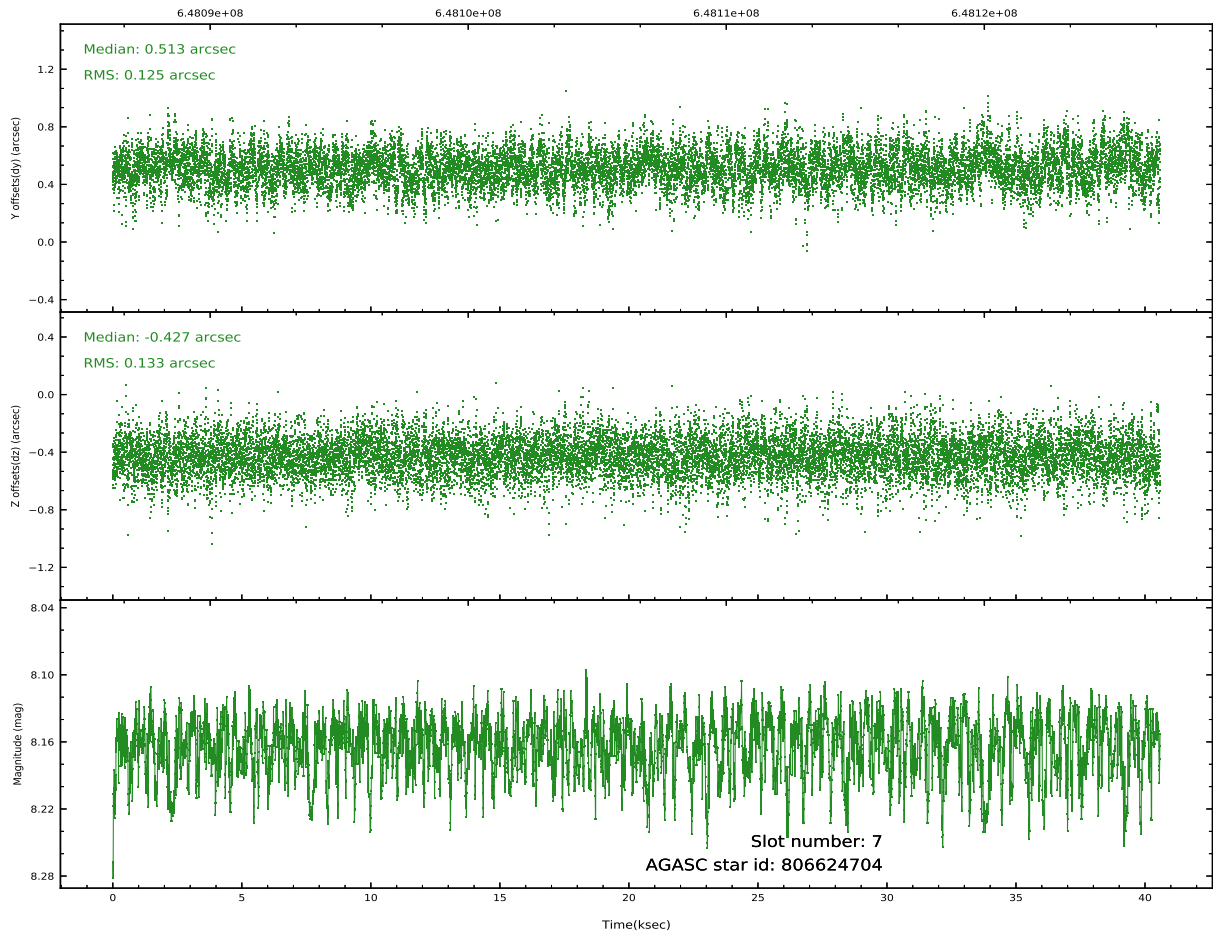
2.4.4 Slot 6



2.4.5 Slot 7

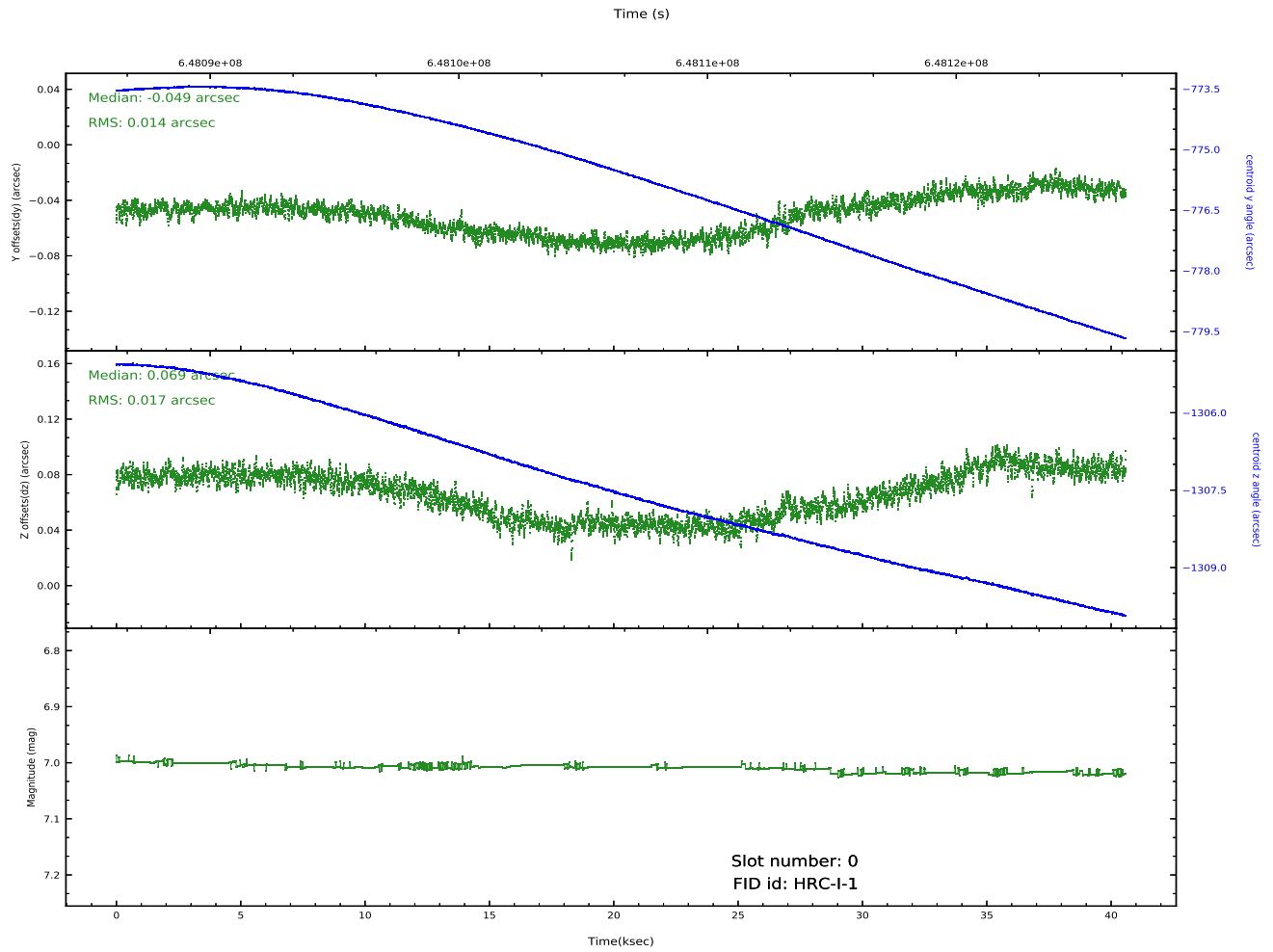
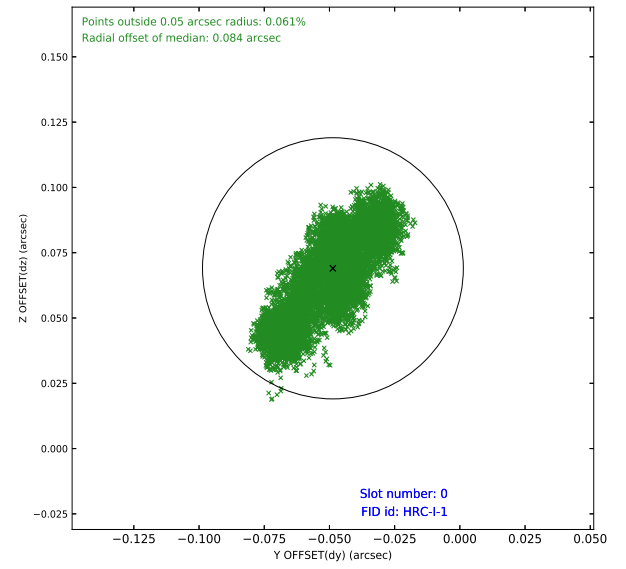
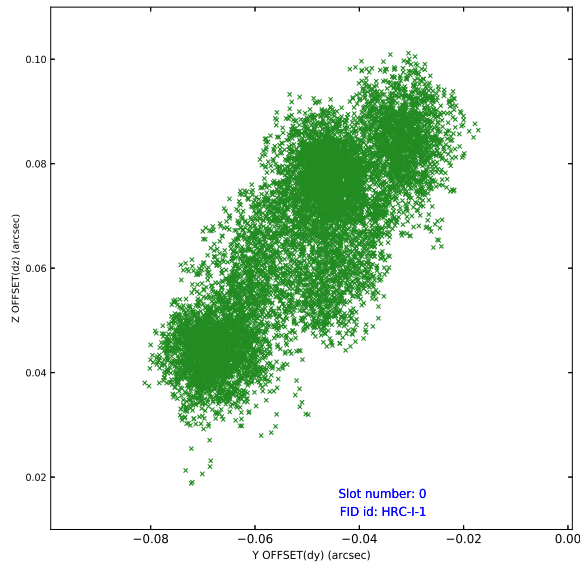


Time (s)

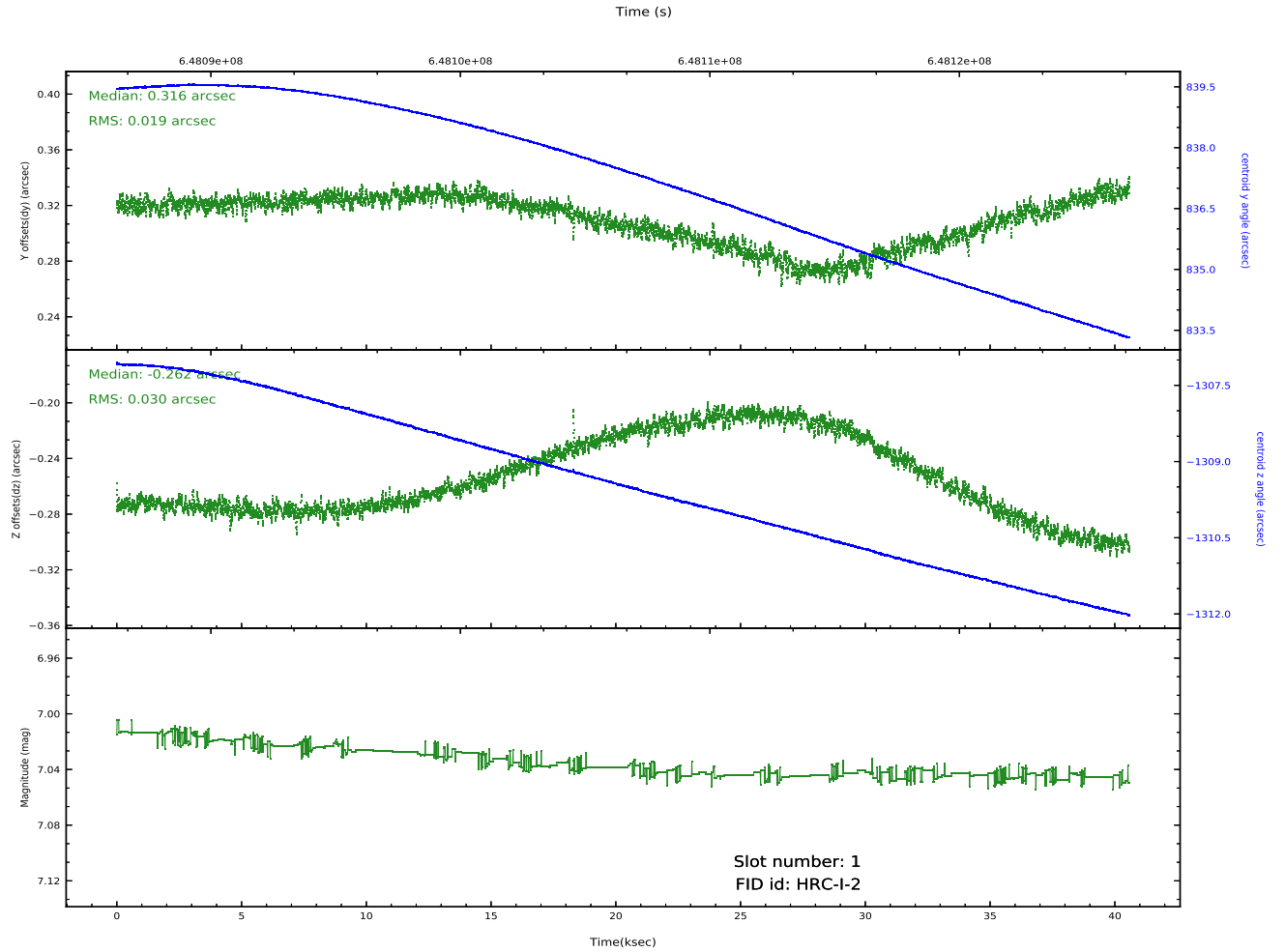
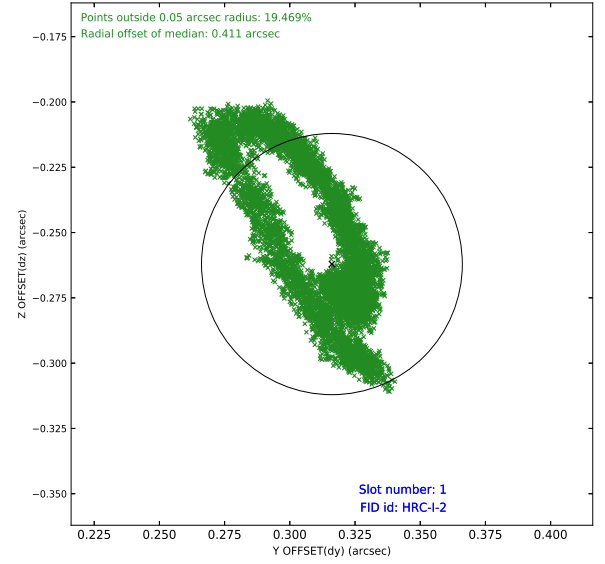
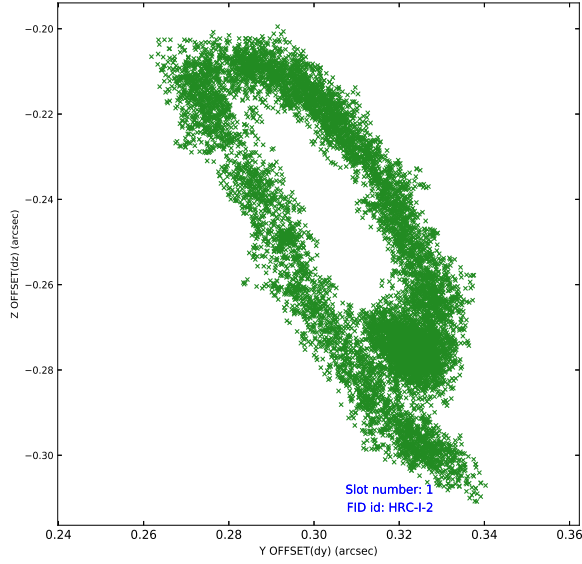


2.5 FID Slots

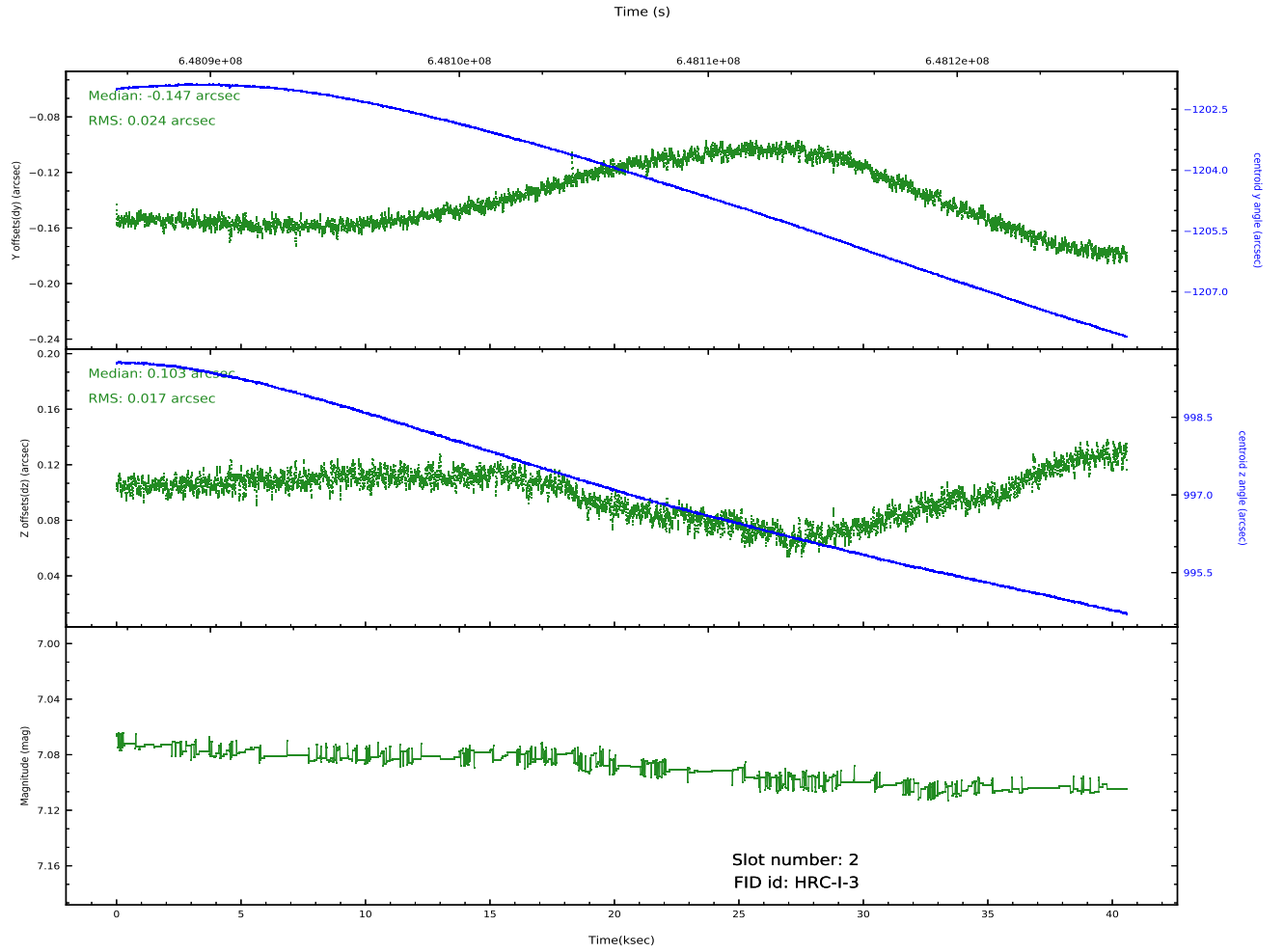
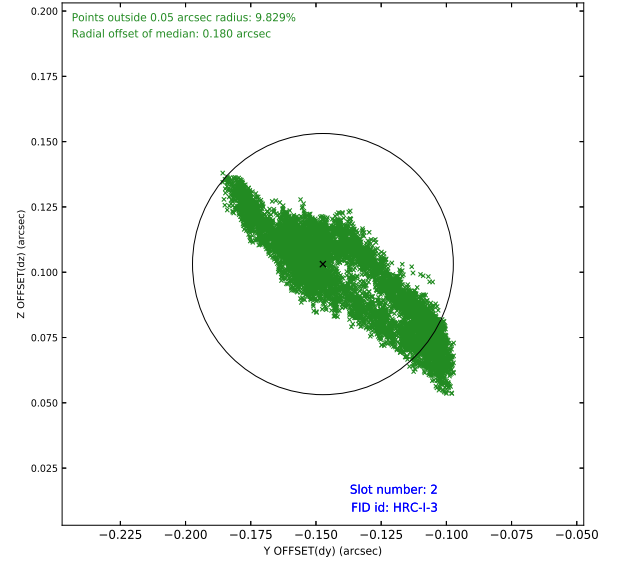
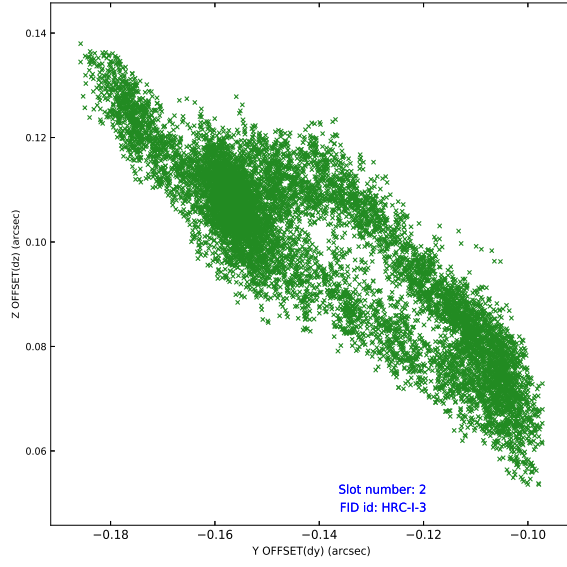
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.586927405357

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.