

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5515 - L2 Version 5
Chandra X-Ray Center

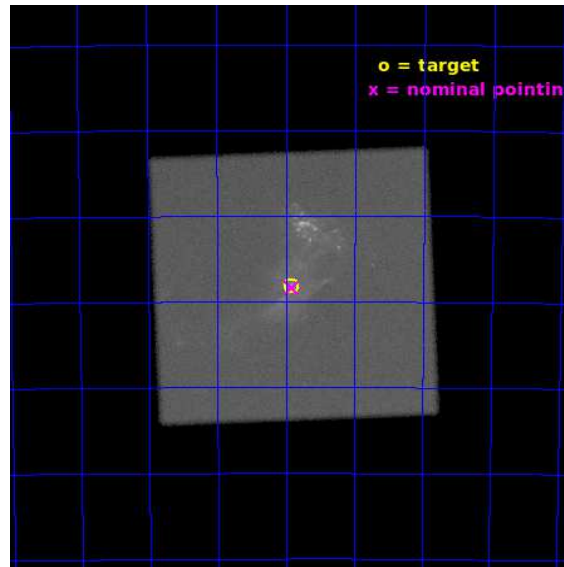
L2 Processing Date : Oct 8 2020

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1 Front

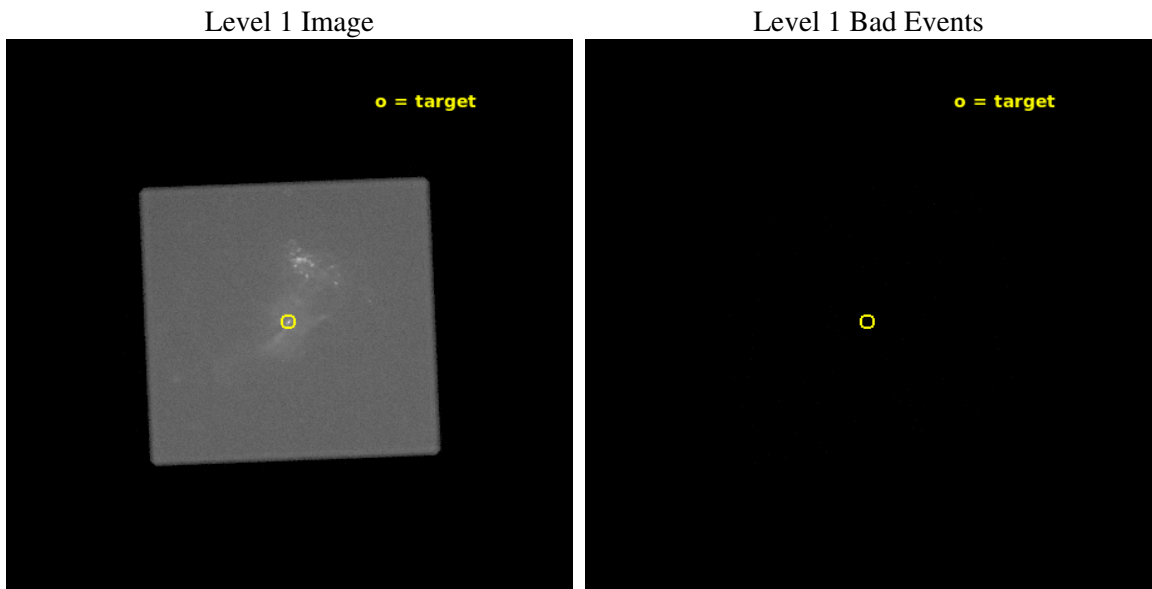
seq_num	500509	Sequence number
obs_id	5515	Observation id
title	The Surface Temperature of Isolated Neutron Stars	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	PSR B1509-58	Source name
ra_targ	228.481667	Observer's specified target RA [deg]
dec_targ	-59.135833	Observer's specified target Dec [deg]
ra_nom	228.47783772808	Nominal RA [deg]
dec_nom	-59.139533973717	Nominal Dec [deg]
roll_nom	312.66272811642	Nominal Roll [deg]
revision	5	Processing version of data
ontime	45187.383312106	[s]
liveltime	44862.701533851	Ontime multiplied by DTCOR
l2events	1855091	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	45000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	45187.383312106	[s]
caldsver	4.9.2	 	l1events	2738894	Number of level 1 events
date	2020-10-08T19:37:39	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

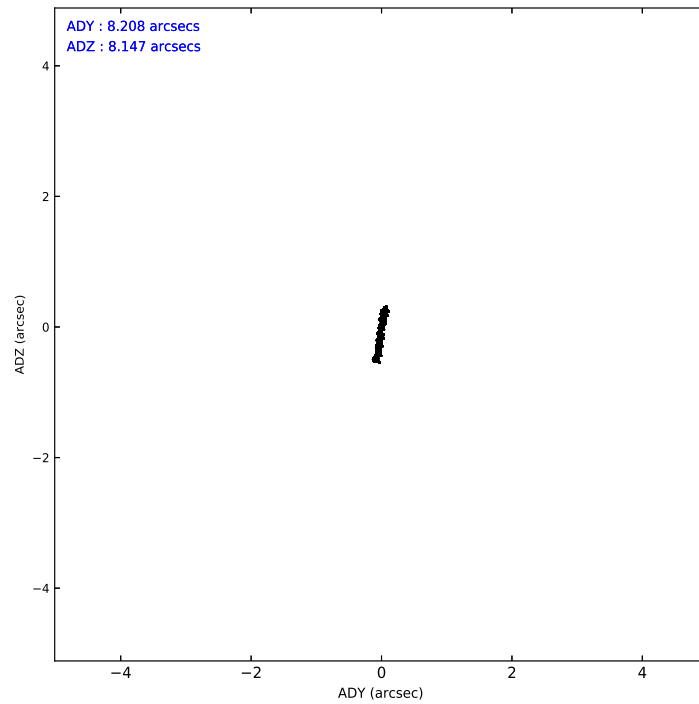
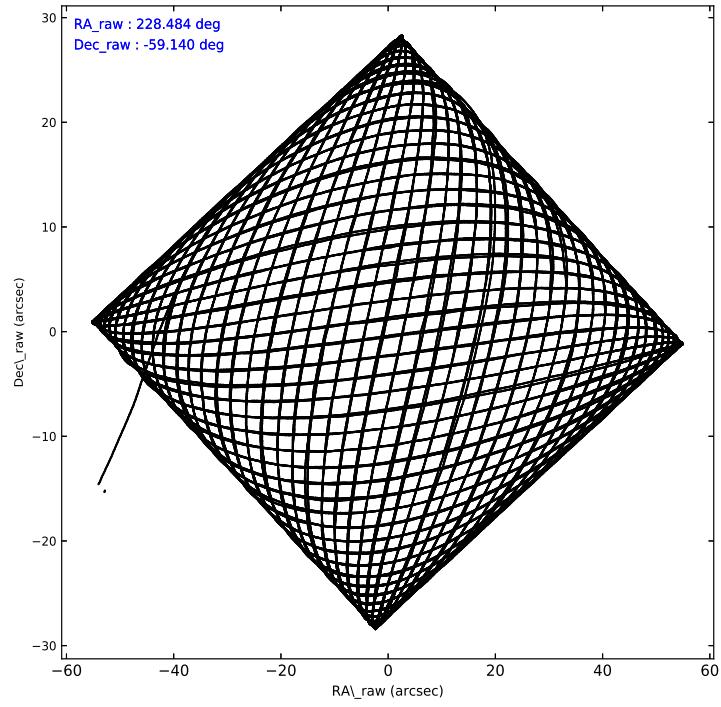
	segment 0
level 1 events	2738894
rejected events	46297
rejected %	1%

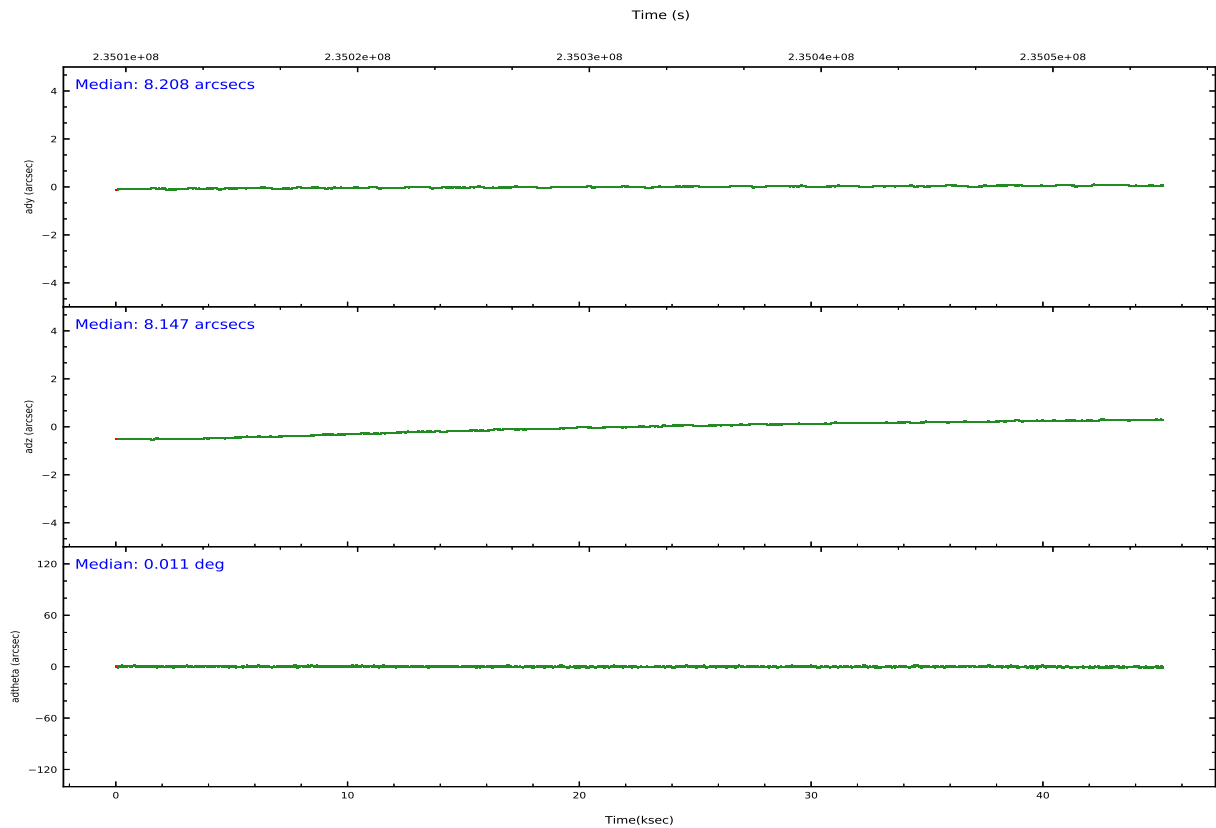
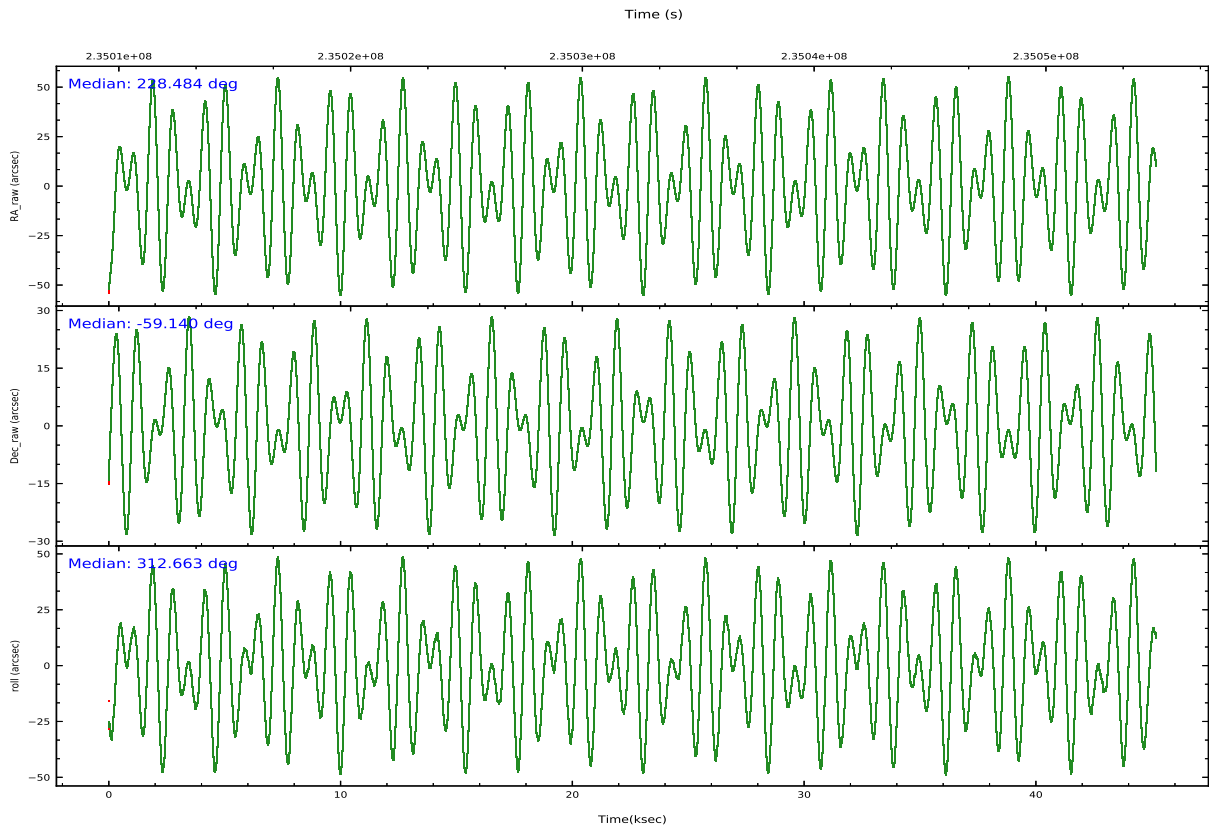
2.2 Compared Parameters

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	228.433665	228.47783772808
[deg] Pointing Dec	-59.132272	-59.139533973717
[deg] Pointing Roll	312.734348	312.66272811642
[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)	235009755.184000	235008797.86347
Observation start date	2005-06-13T00:28:11	2005-06-13T00:13:17
[s] Observation end time (MET)	235054755.184000	235055443.5656
Observation end date	2005-06-13T12:58:11	2005-06-13T13:10:43

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

2.3 Aspect



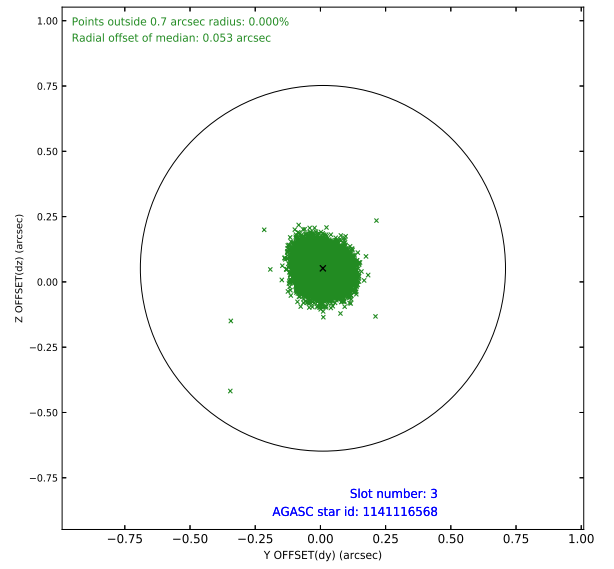
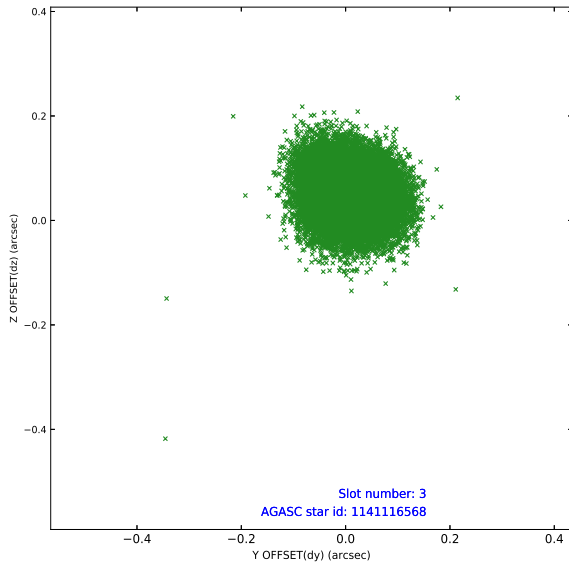


Slot Statistics

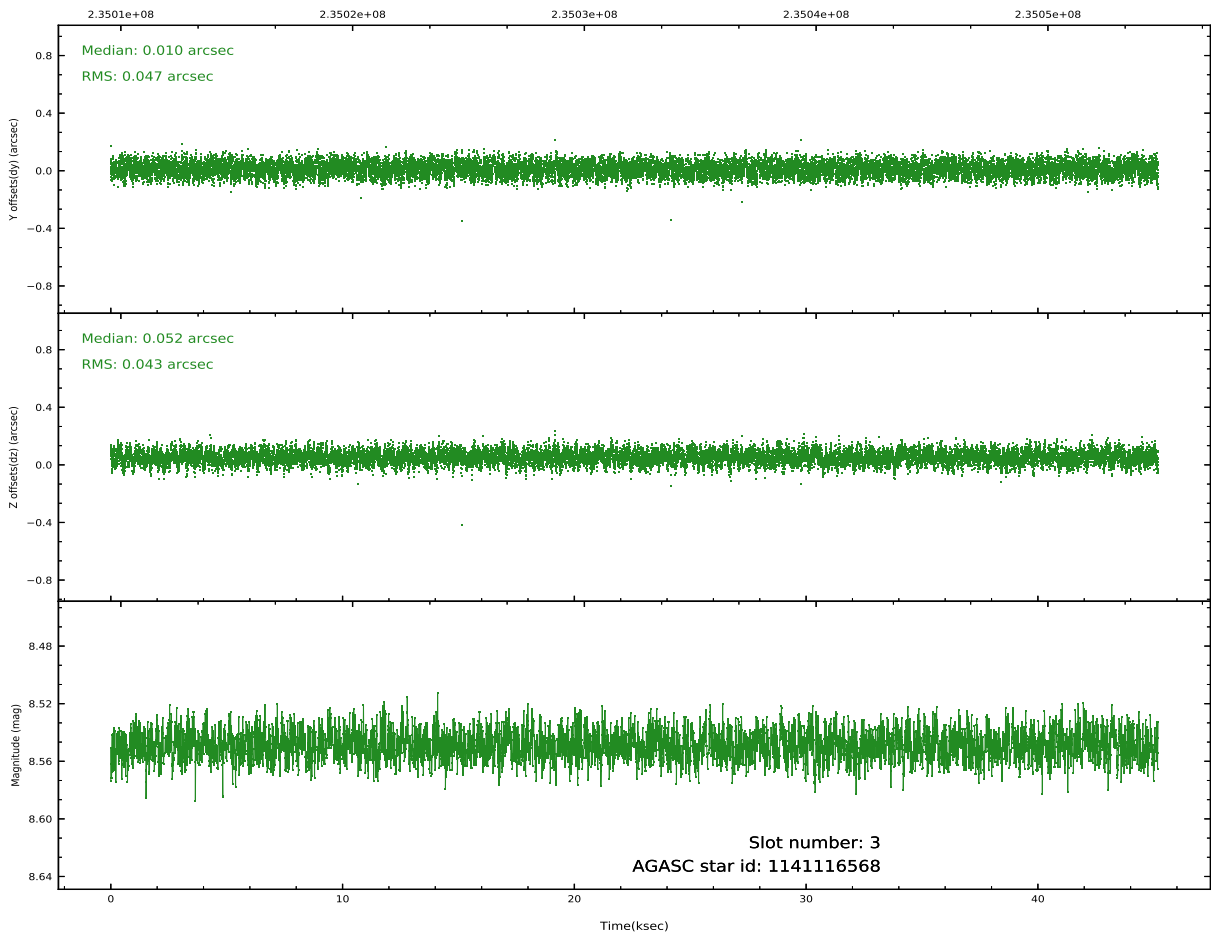
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		HRC-I-1	6.97	11021	1.000	0.023	-0.007	0.010	0.018	0.000000	0.000000	-763.85	-1295
1	FID		HRC-I-3	7.06	11022	1.000	-0.067	-0.062	0.011	0.019	0.000000	0.000000	-1192.41	1008
2	FID		HRC-I-4	7.00	11022	1.000	0.158	-0.020	0.007	0.012	0.000000	0.000000	1279.05	1006
3	GUIDE	used	1141116568	8.55	22037	1.000	0.010	0.052	0.068	0.109	228.578452	-58.520066	-1433.59	1695
4	GUIDE	used	1141119096	9.45	22023	1.000	0.026	-0.038	0.111	0.189	228.052751	-59.529718	581.26	-1483
5	GUIDE	used	1141119896	8.40	22041	1.000	-0.010	0.064	0.059	0.099	229.637327	-59.405643	2234.42	938
6	GUIDE	used	1141120488	8.76	22034	1.000	0.019	-0.034	0.069	0.112	228.236450	-59.504731	741.60	-1174
7	GUIDE	used	1141121072	9.07	22033	1.000	-0.045	-0.041	0.093	0.157	227.898628	-59.420815	101.55	-1427

2.4 Star Slots

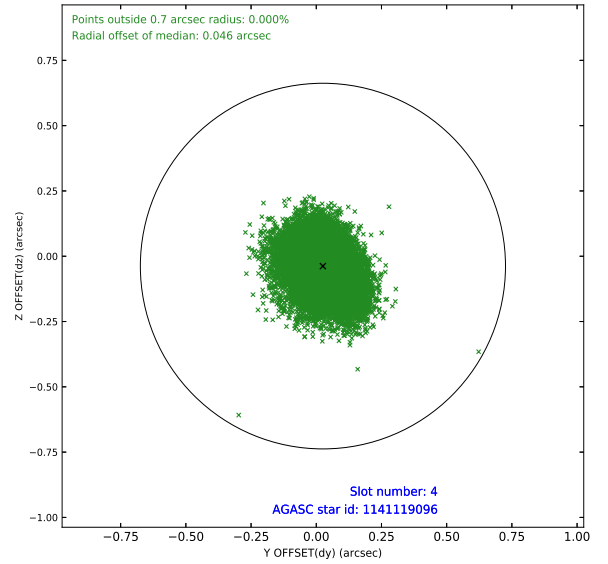
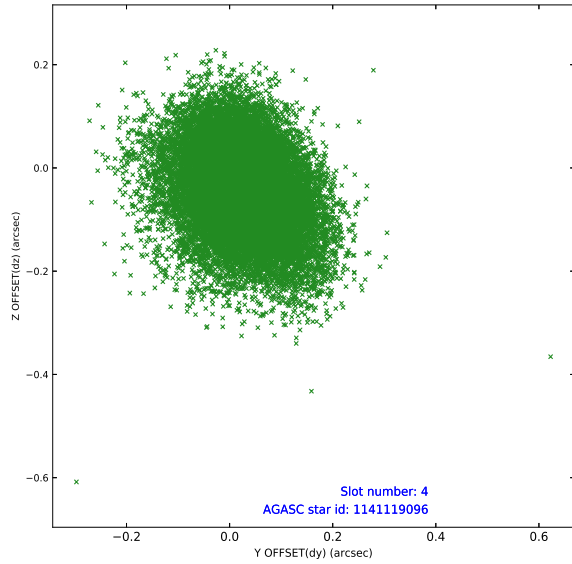
2.4.1 Slot 3



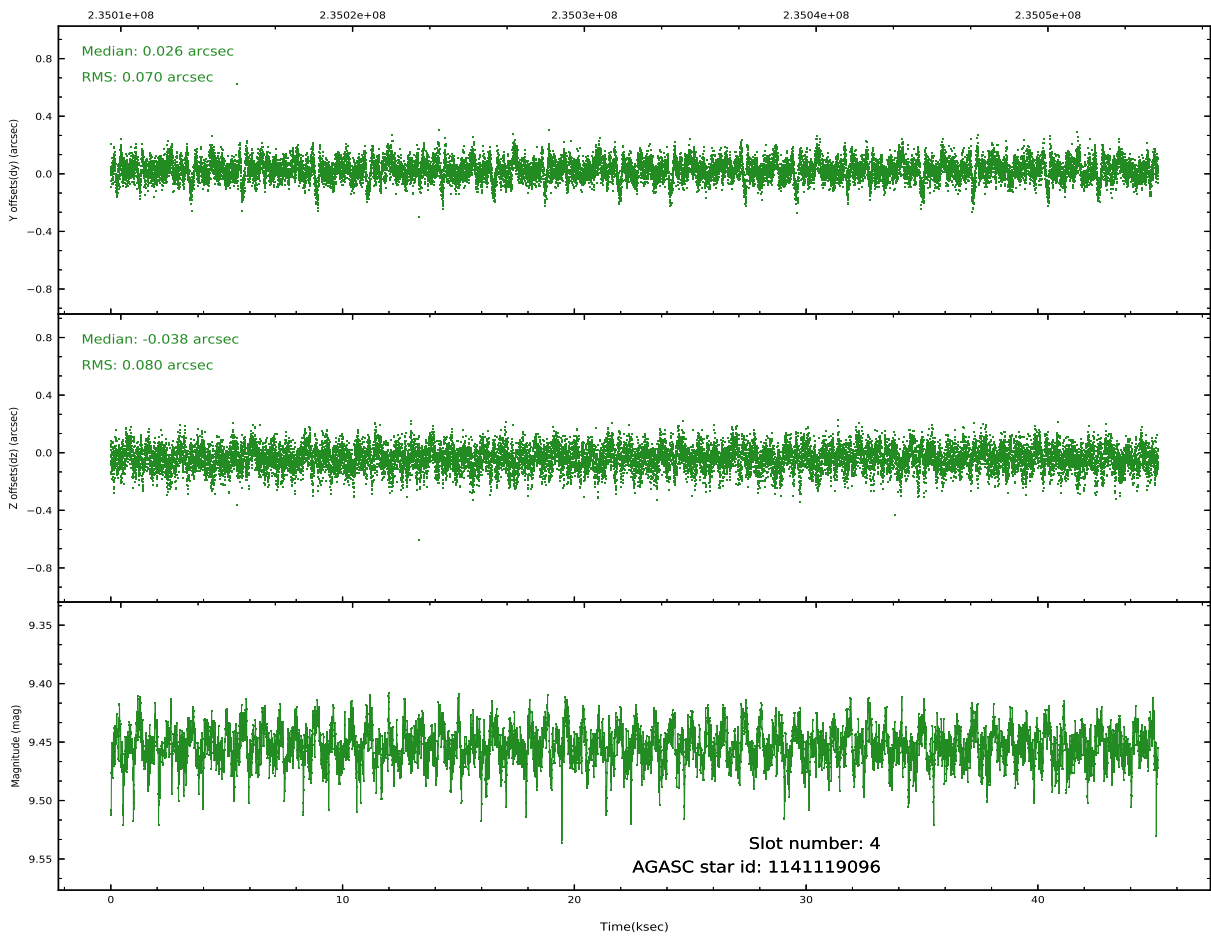
Time (s)



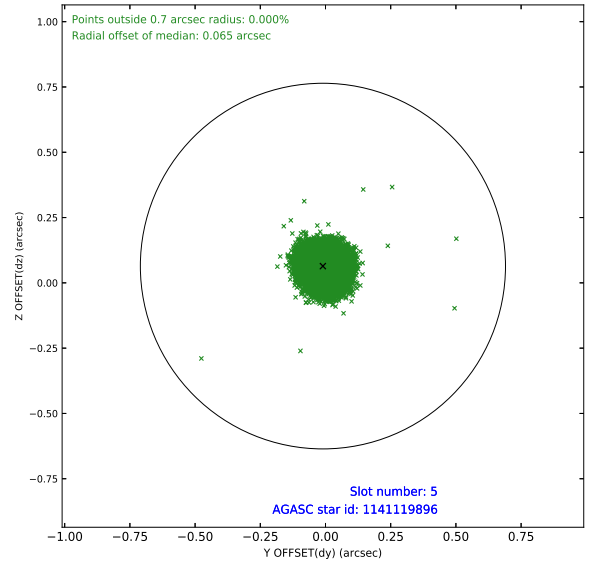
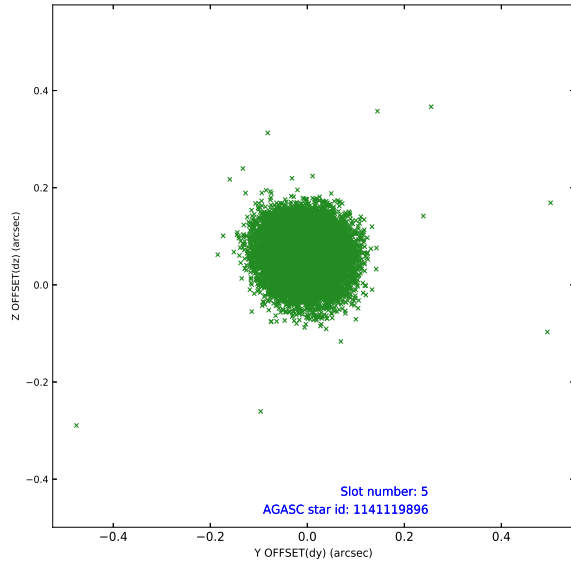
2.4.2 Slot 4



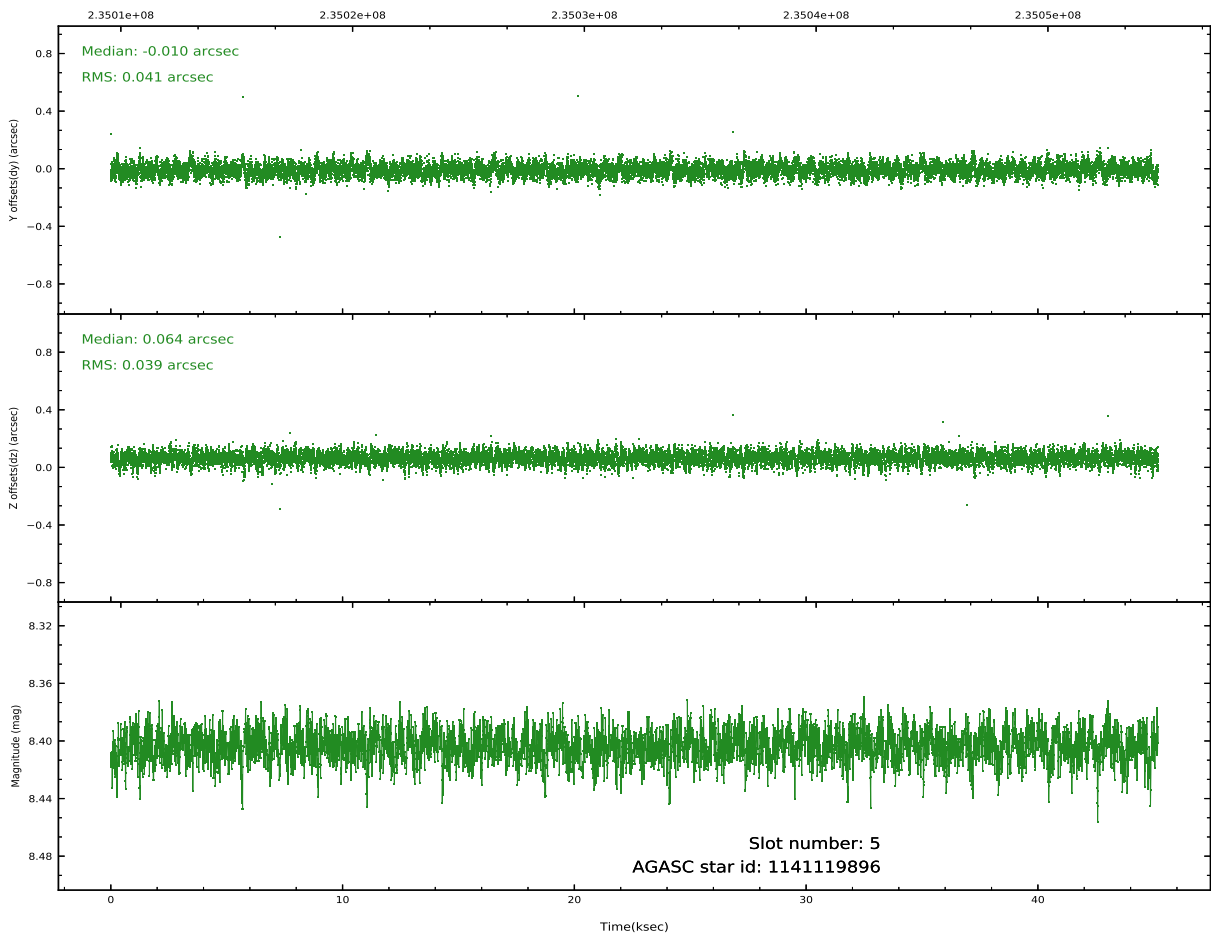
Time (s)



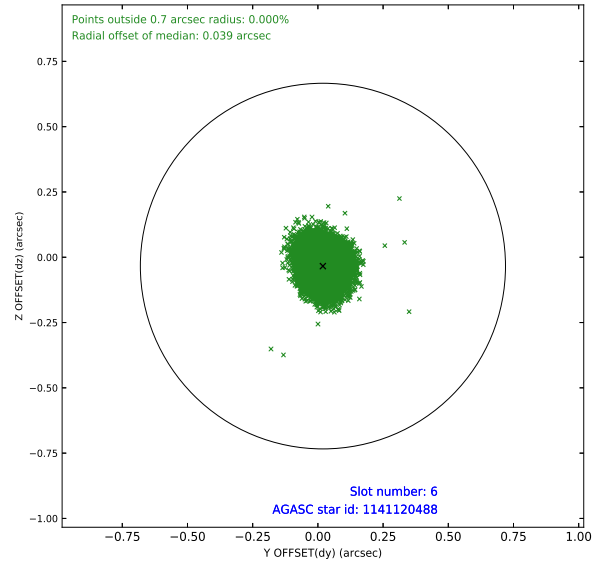
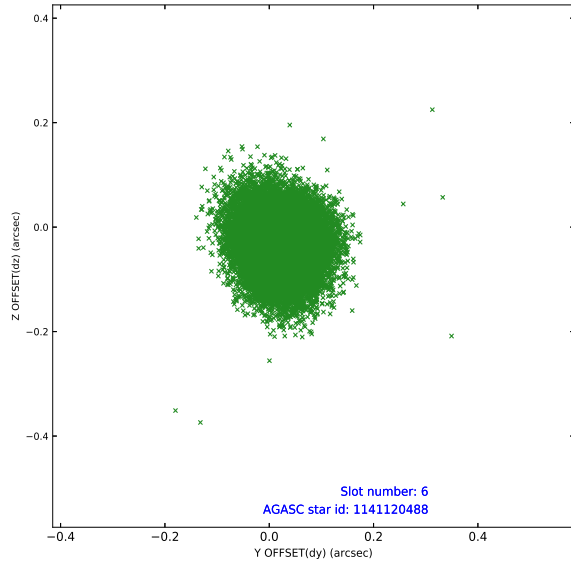
2.4.3 Slot 5



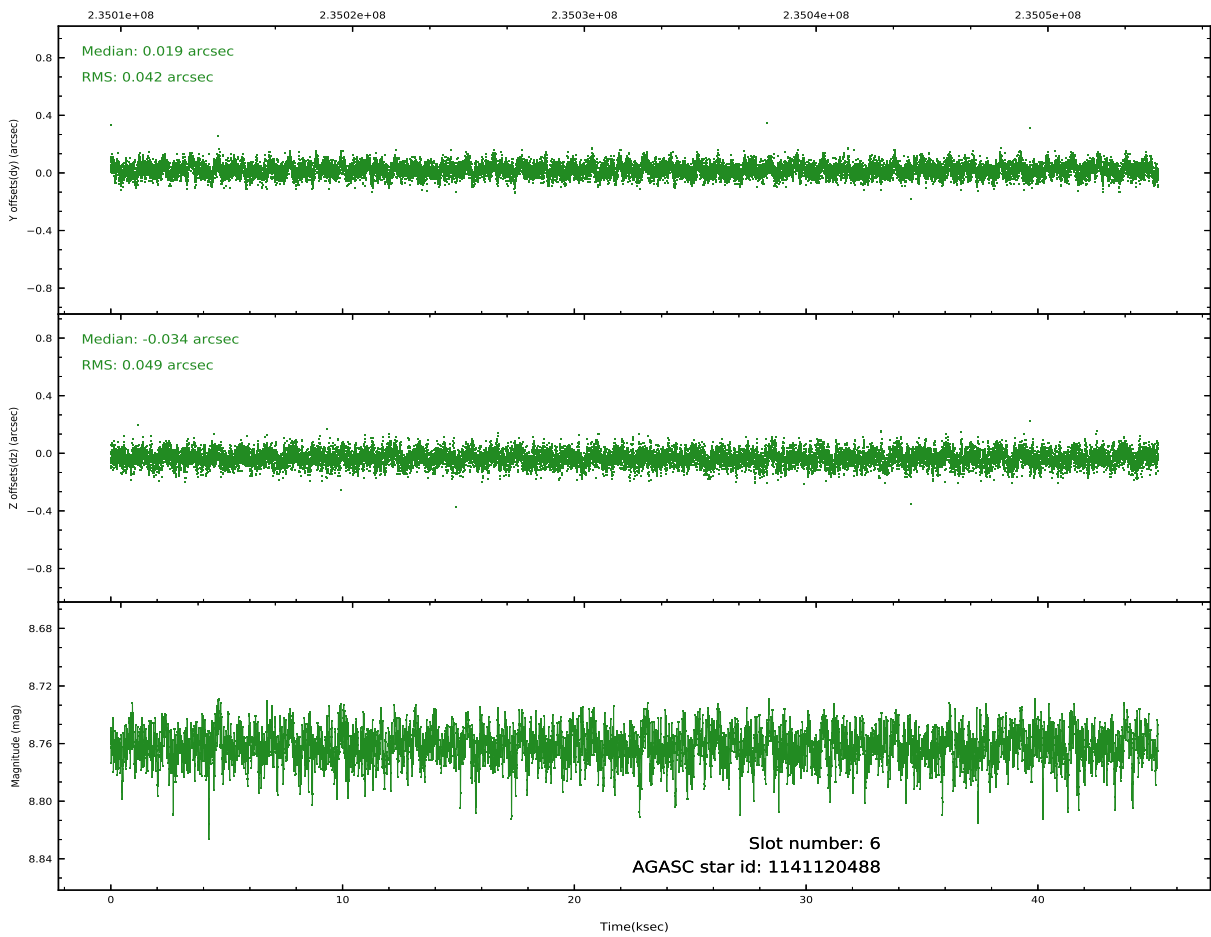
Time (s)



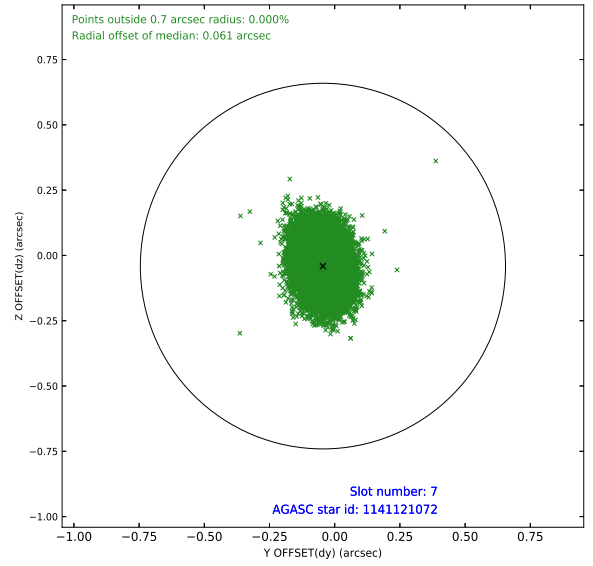
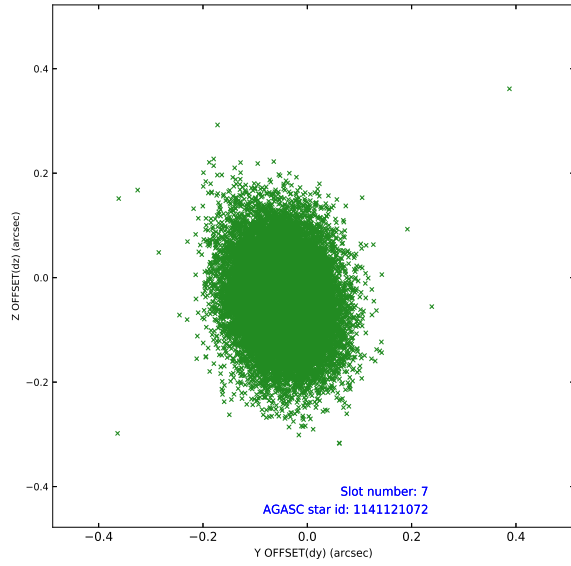
2.4.4 Slot 6



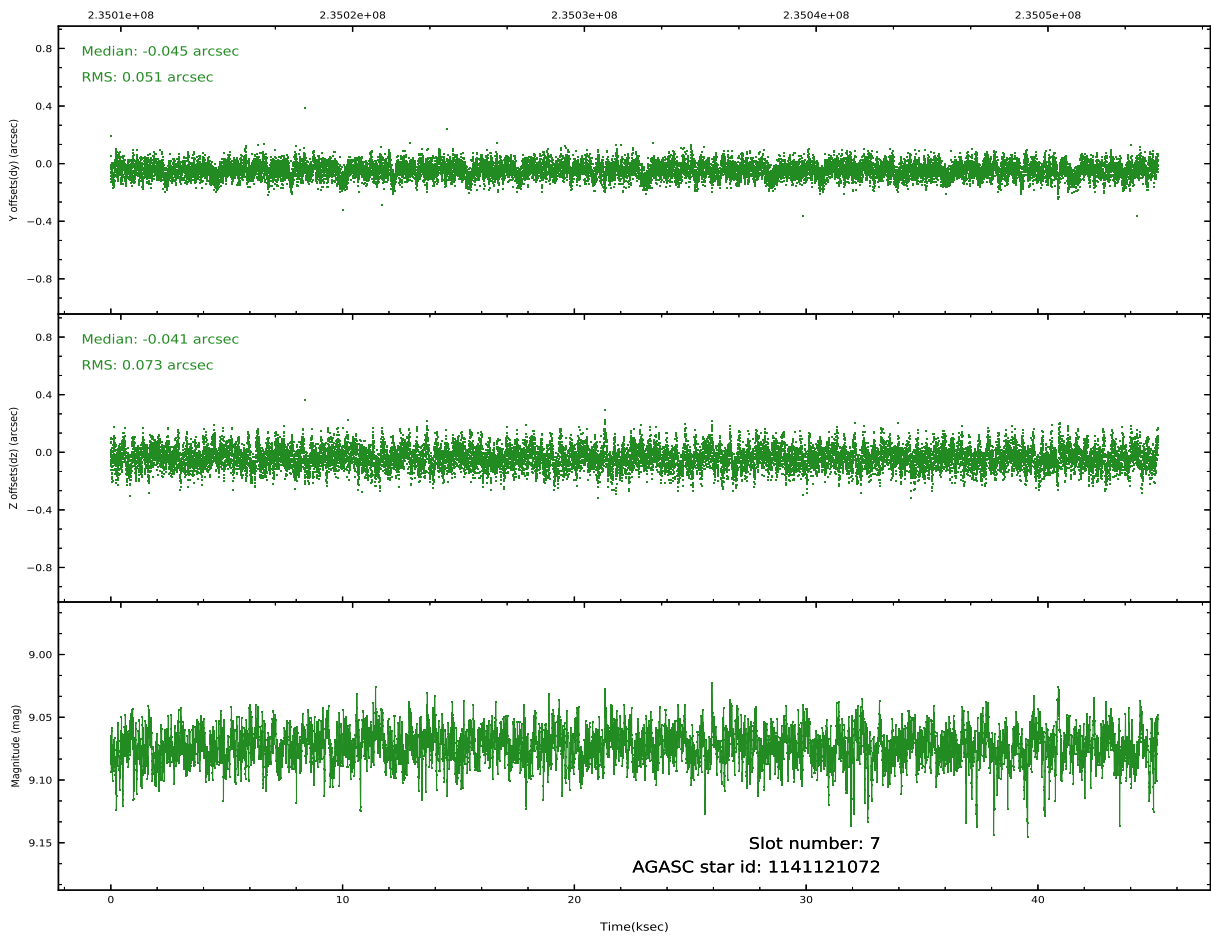
Time (s)



2.4.5 Slot 7

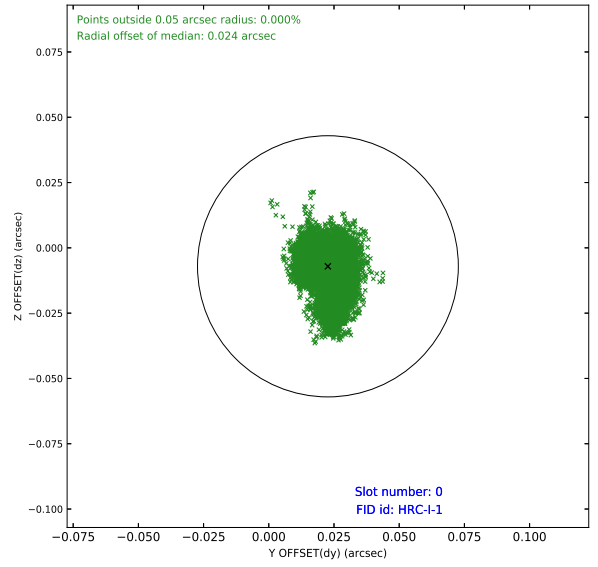
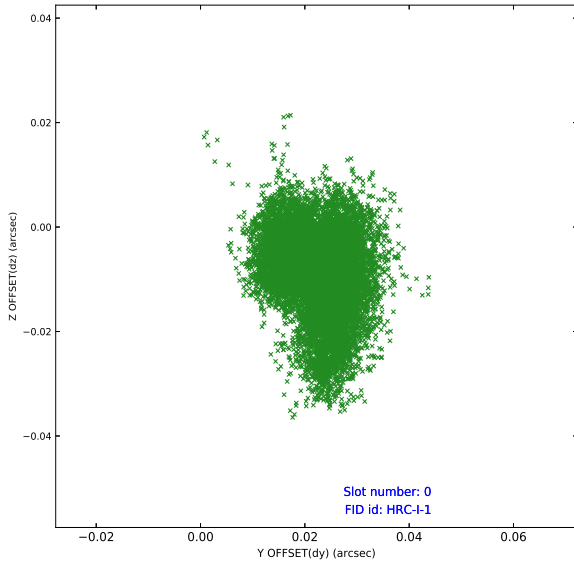


Time (s)

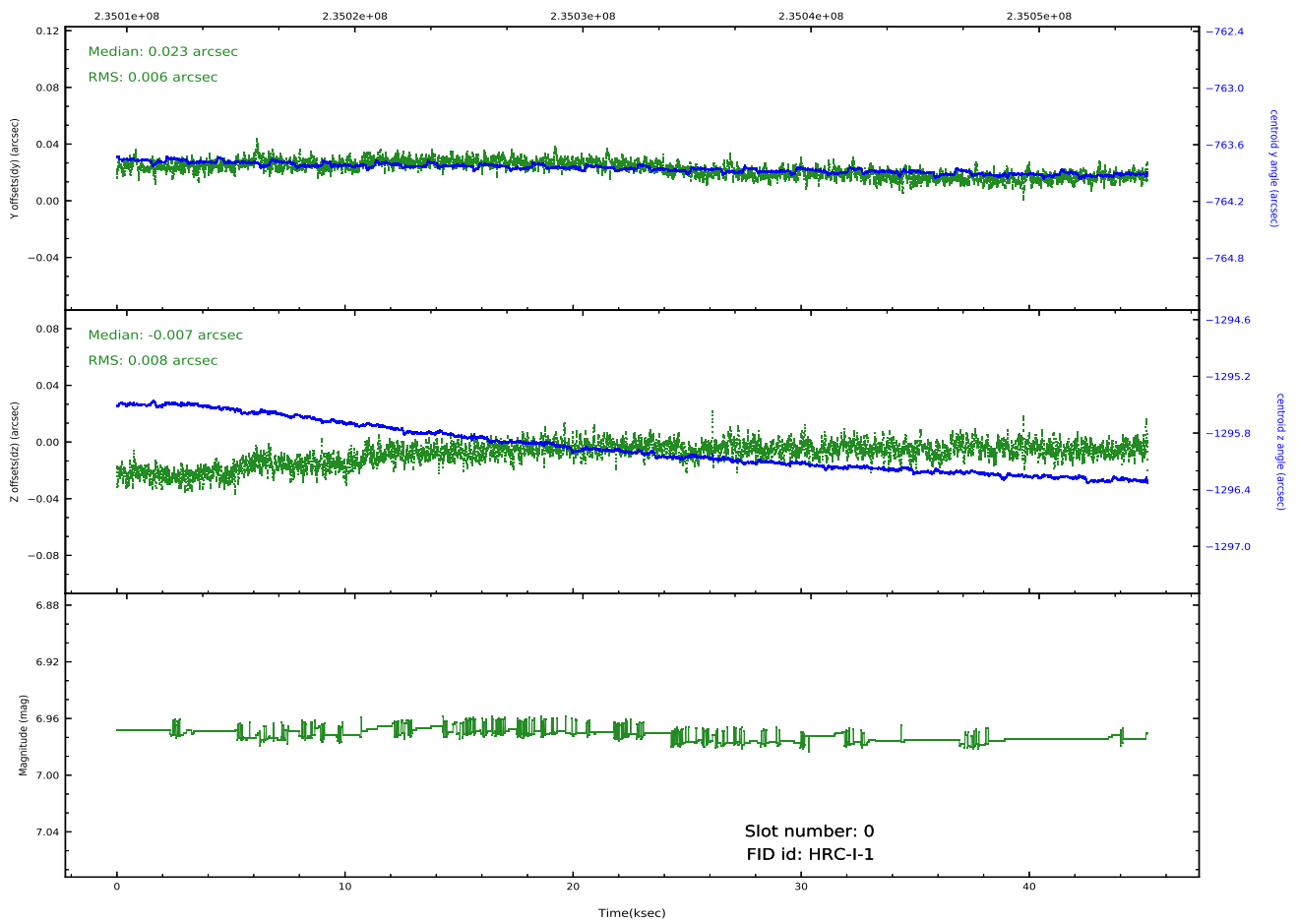


2.5 FID Slots

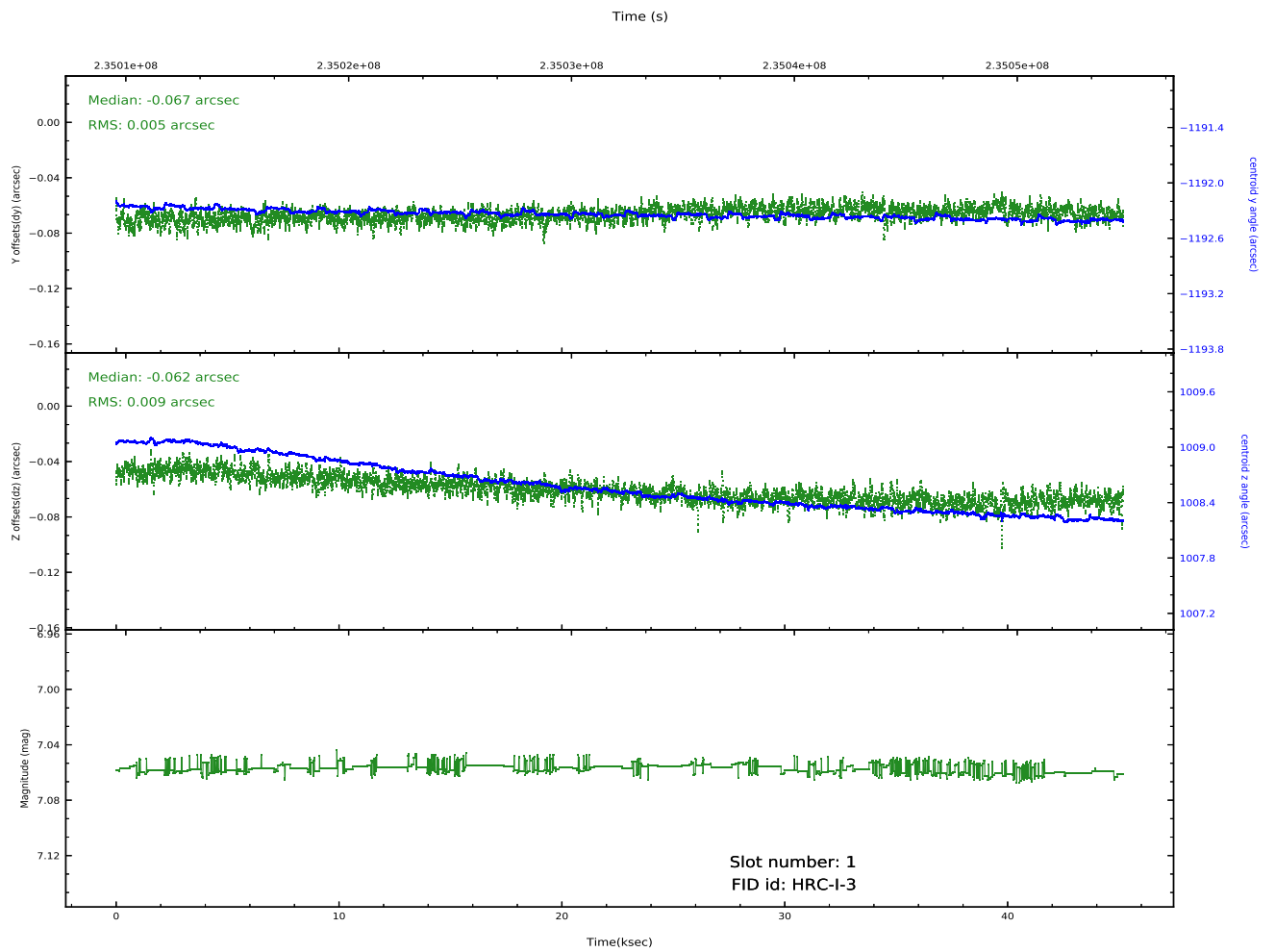
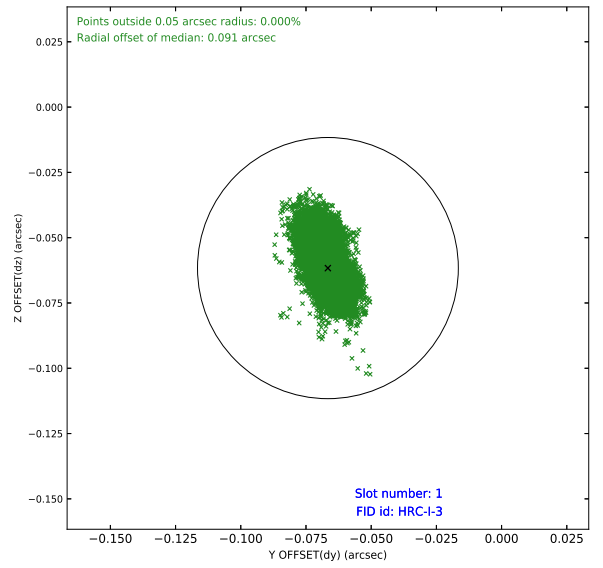
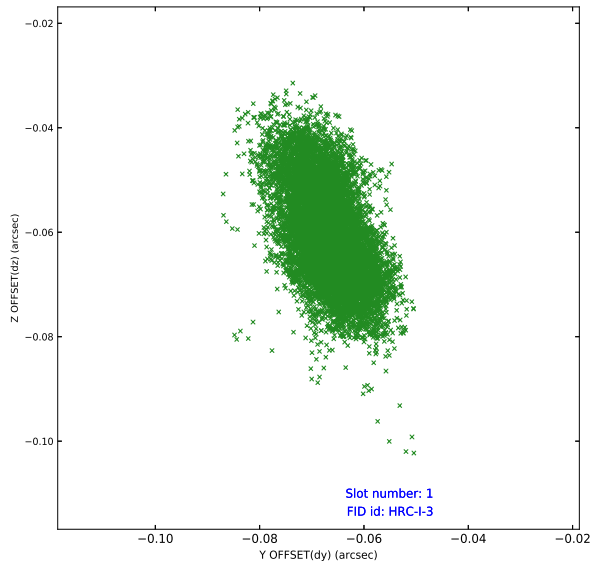
2.5.1 Slot 0



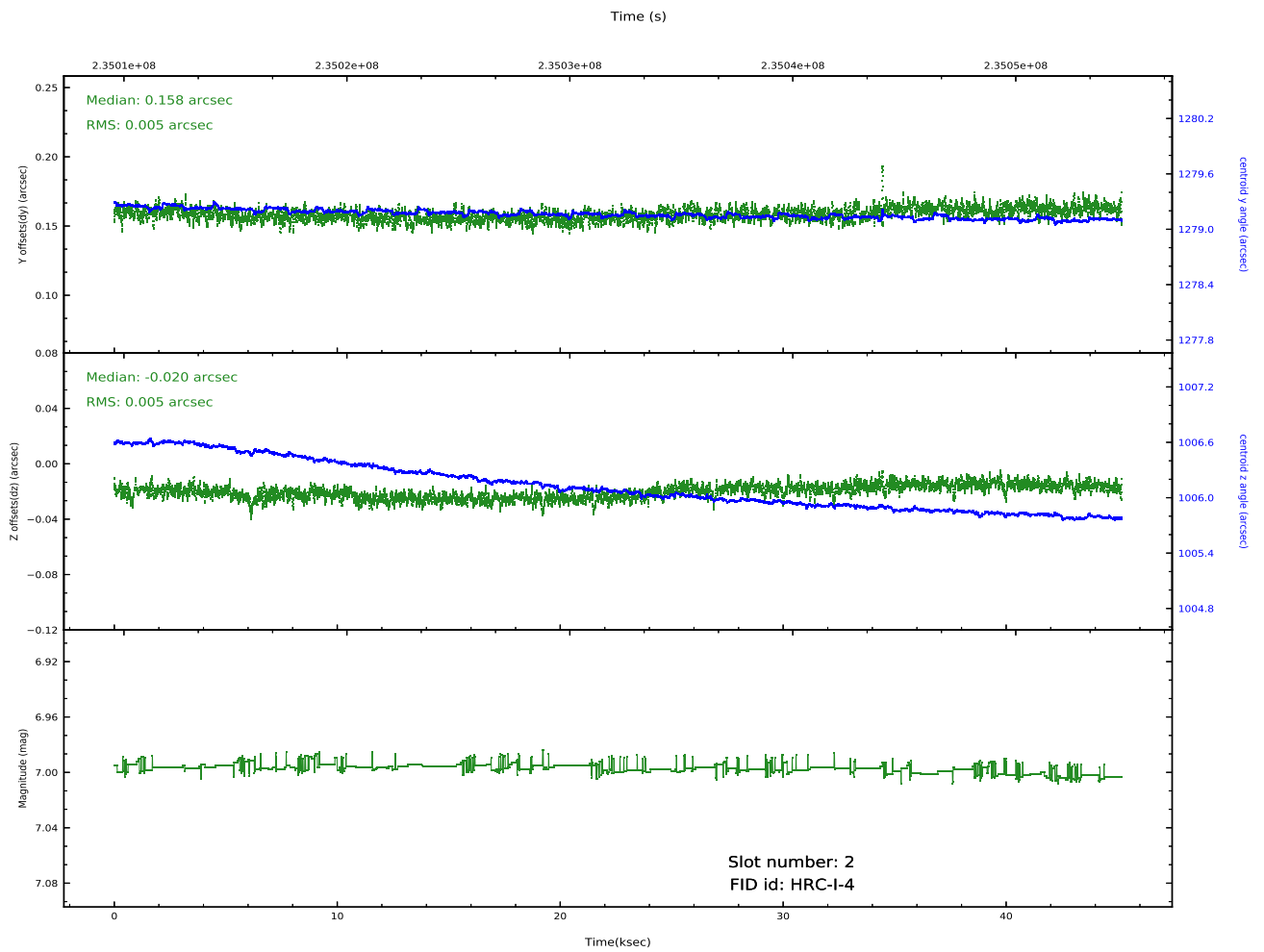
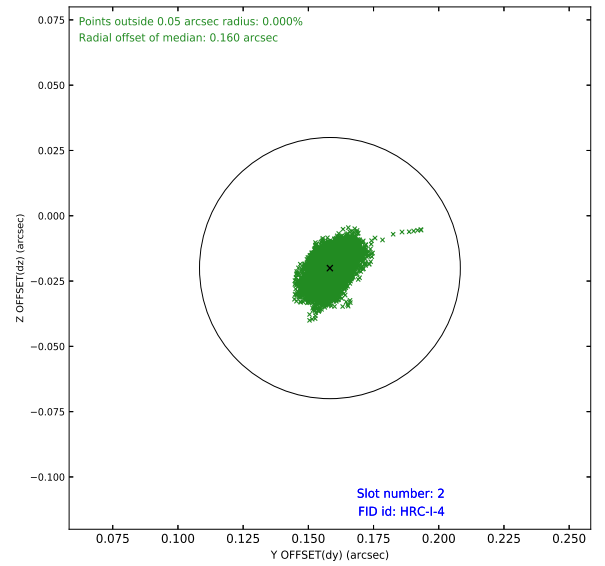
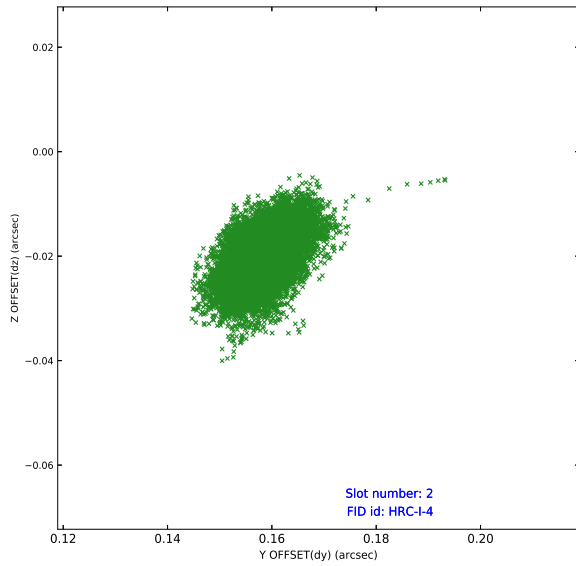
Time (s)



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.18738

A.2 Comments