

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4612 - L2 Version 6
Chandra X-Ray Center

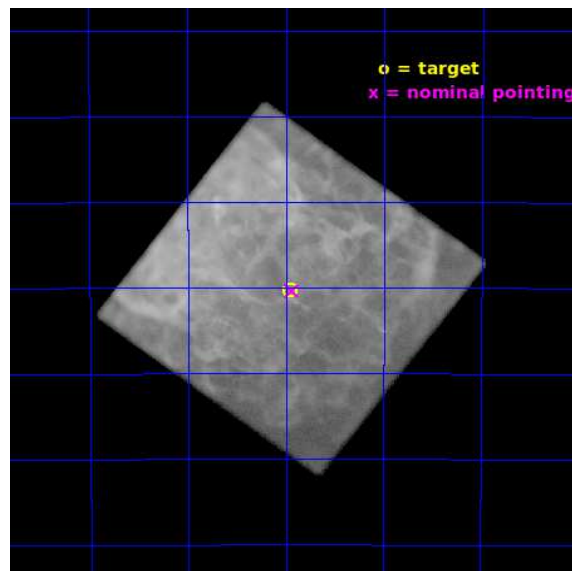
L2 Processing Date : Oct 7 2020

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1 Front

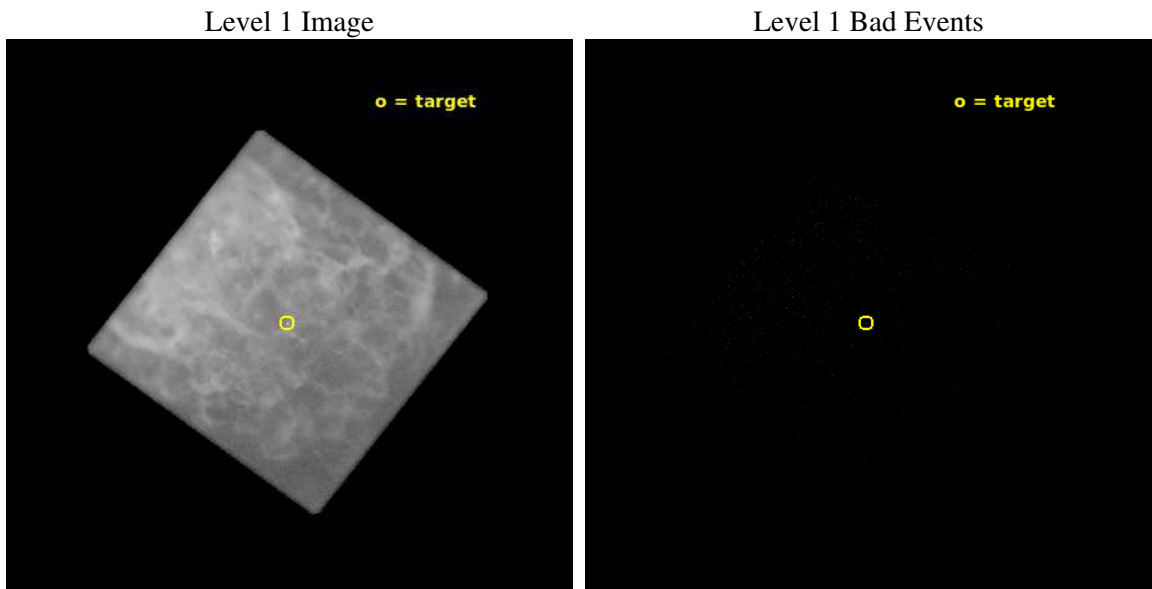
seq_num	500437	Sequence number
obs_id	4612	Observation id
title	MEASURING NEUTRON STAR RECOIL FROM A SUPERNOVA: A UNIQUE OPPORTUNITY IN PUPPIS A	Proposal title
observer	Dr. P. Frank Winkler	Principal investigator
object	PSR J0821-4300	Source name
ra_targ	125.489583	Observer's specified target RA [deg]
dec_targ	-43.004361	Observer's specified target Dec [deg]
ra_nom	125.48428850494	Nominal RA [deg]
dec_nom	-43.005873171681	Nominal Dec [deg]
roll_nom	261.91983323157	Nominal Roll [deg]
revision	6	Processing version of data
ontime	40164.883077204	[s]
liveltime	21317.751747165	Ontime multiplied by DTCOR
l2events	6548460	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	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	40164.883077204	[s]
caldbver	4.9.2	 	l1events	7535448	Number of level 1 events
date	2020-10-08T00:20:06	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

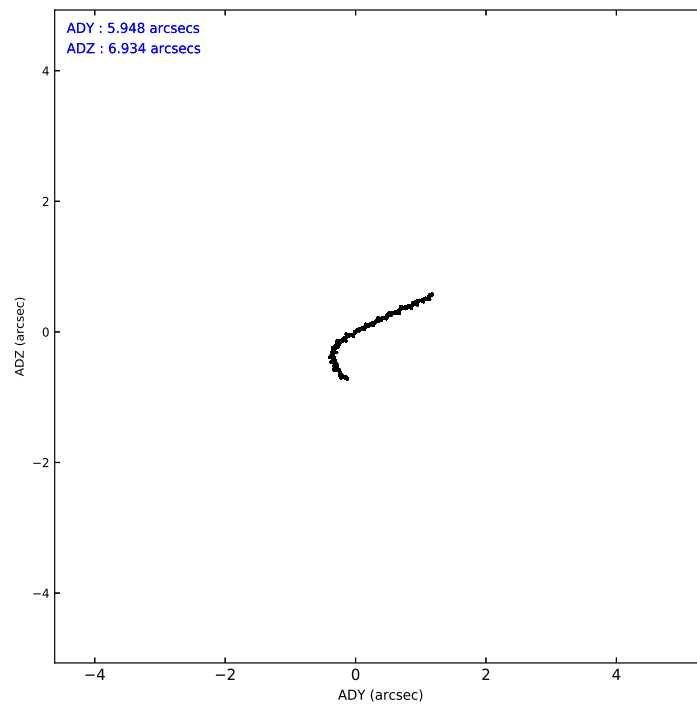
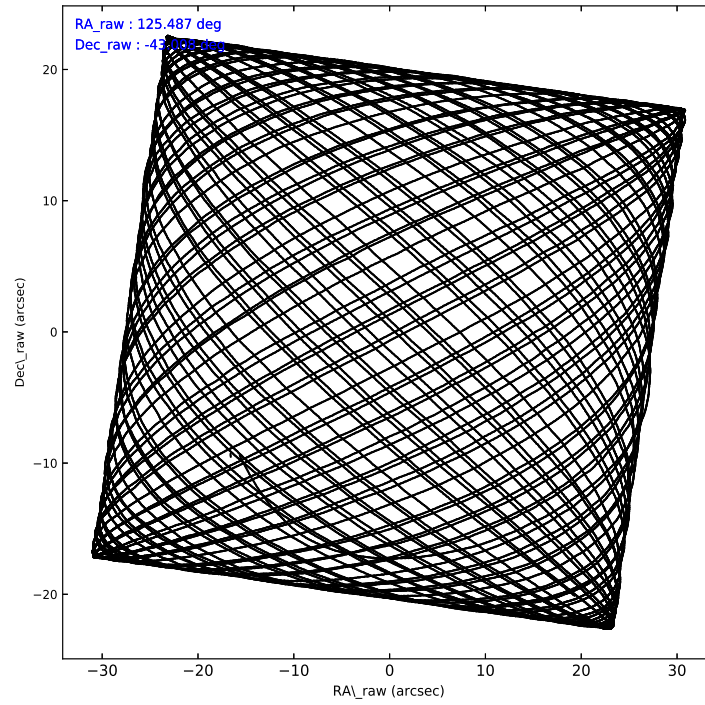
	segment 0
level 1 events	7535448
rejected events	129438
rejected %	1%

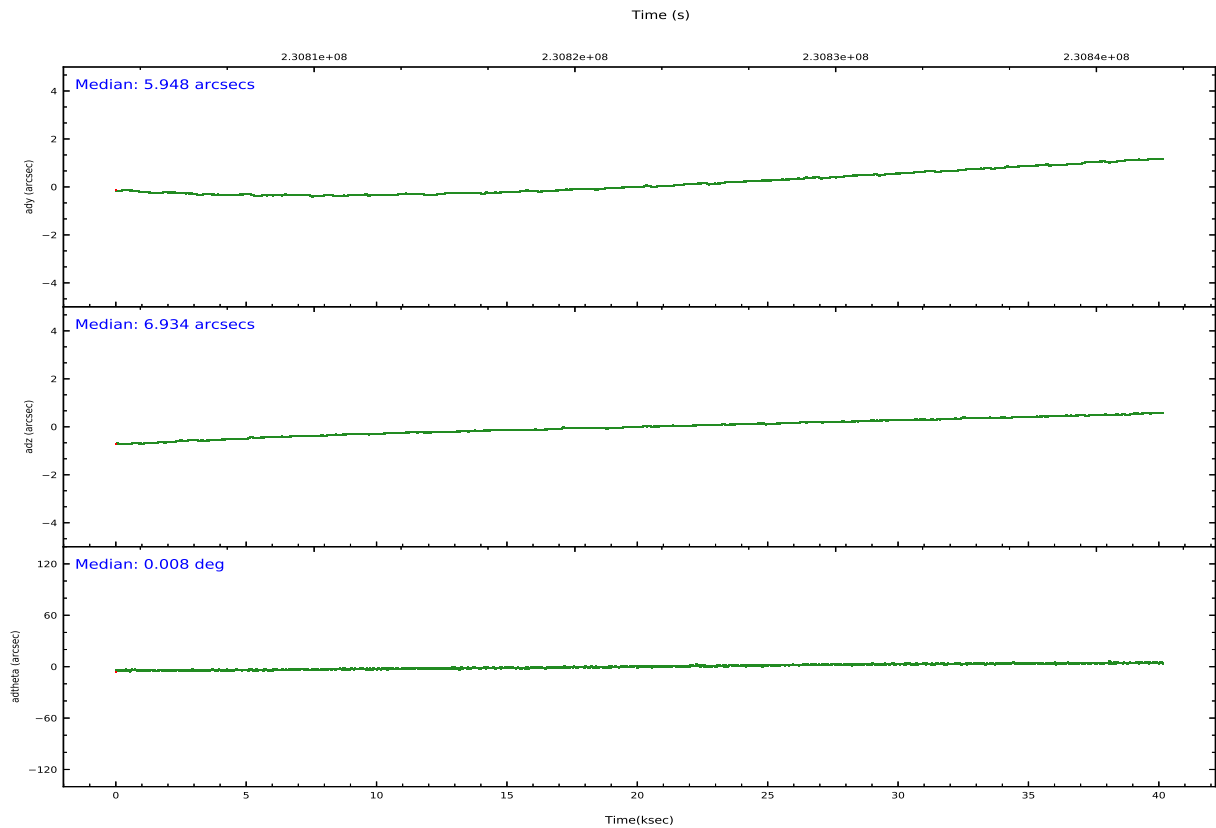
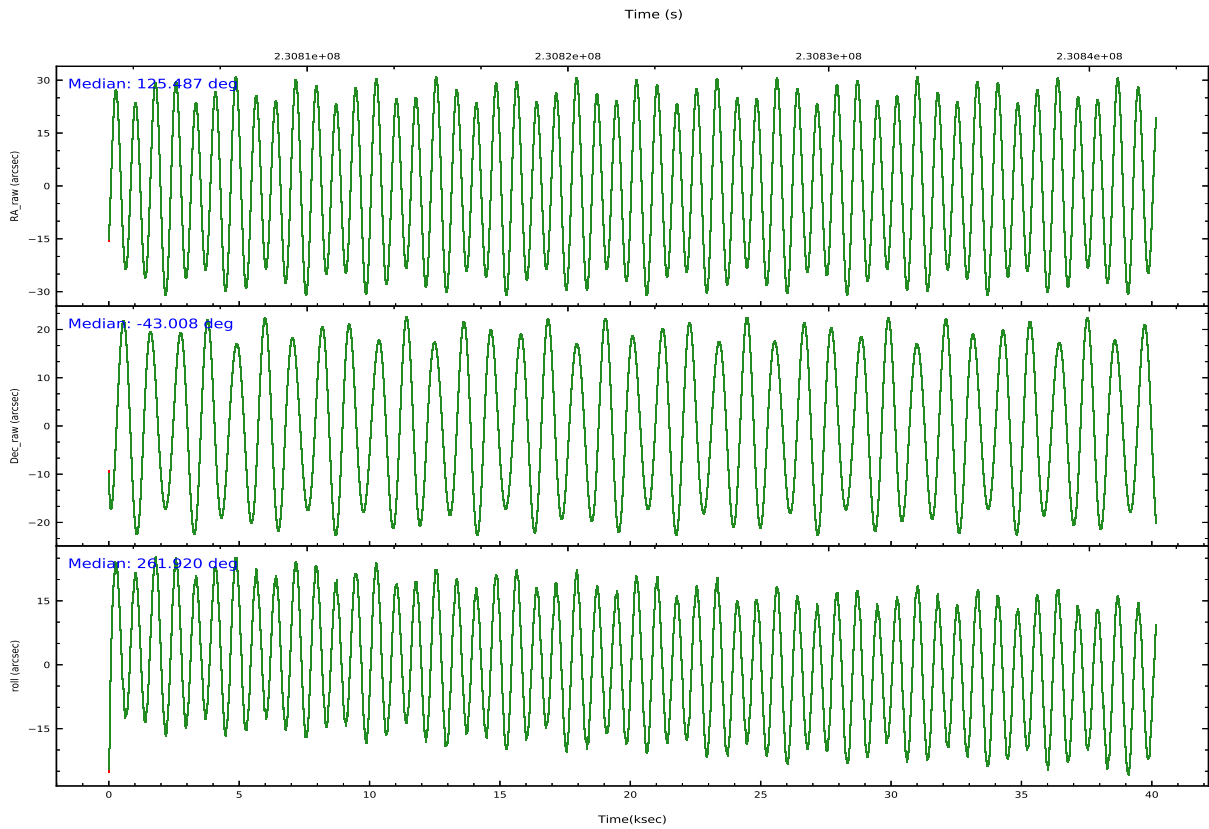
2.2 Compared Parameters

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	125.472035	125.48428850494
[deg] Pointing Dec	-42.983042	-43.005873171681
[deg] Pointing Roll	262.017638	261.91983323157
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	230802559.184000	230801518.09675
Observation start date	2005-04-25T07:48:15	2005-04-25T07:31:58
[s] Observation end time (MET)	230842559.184000	230843253.53615
Observation end date	2005-04-25T18:54:55	2005-04-25T19:07:33

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

2.3 Aspect





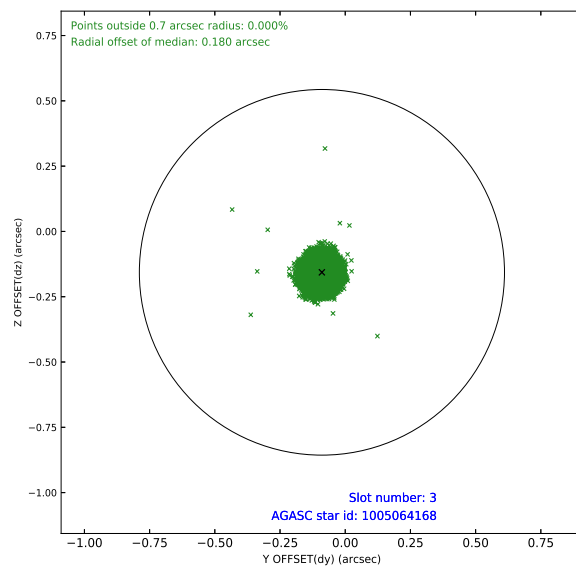
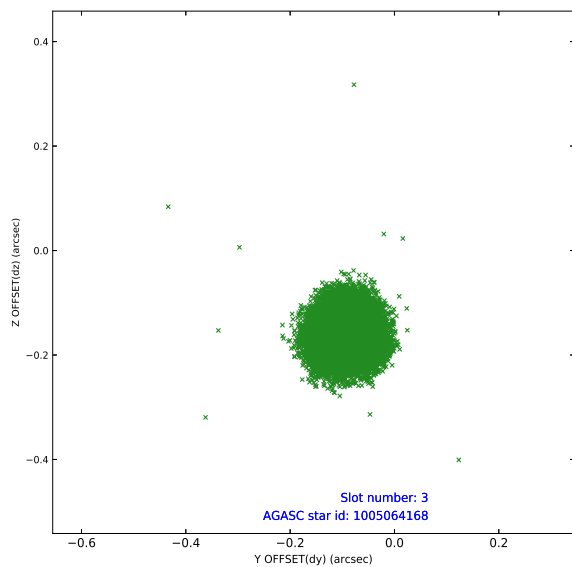
Slot Statistics

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	9797	1.000	-0.002	-0.028	0.018	0.032	0.000000	0.000000	-761.66	-1294
1	FID		HRC-I-2	7.05	9797	1.000	0.136	-0.095	0.010	0.020	0.000000	0.000000	851.03	-1296
2	FID		HRC-I-3	7.09	9795	1.000	-0.016	0.032	0.013	0.022	0.000000	0.000000	-1190.10	1009
3	GUIDE	used	1005064168	7.02	19593	1.000	-0.089	-0.157	0.050	0.079	124.723843	-42.526737	-1342.10	-2192
4	GUIDE	used	1005719480	8.89	19585	1.000	0.010	-0.039	0.068	0.111	125.476619	-43.605627	2218.12	323
5	GUIDE	used	1005724040	7.58	19594	1.000	0.068	0.044	0.067	0.108	125.738175	-43.227880	777.42	814
6	GUIDE	used	1005726872	7.39	19592	1.000	-0.054	0.039	0.050	0.083	125.535449	-43.662820	2400.76	503
7	GUIDE	used	1005723560	8.48	19588	1.000	0.063	0.112	0.087	0.133	126.279097	-43.364629	1077.45	2284

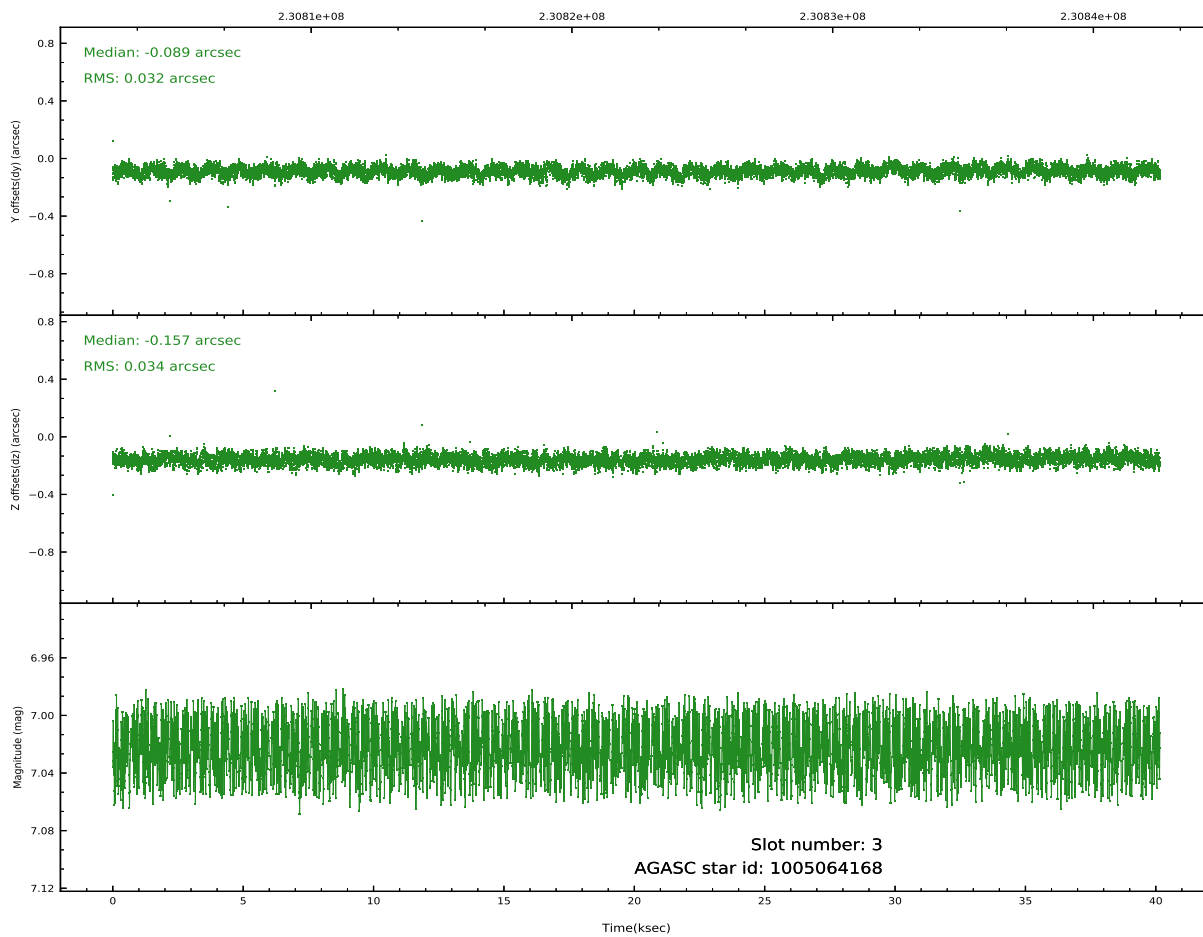
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2.4 Star Slots

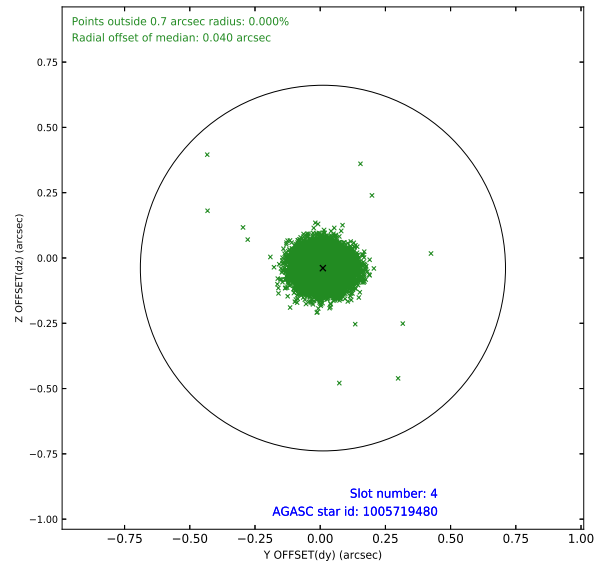
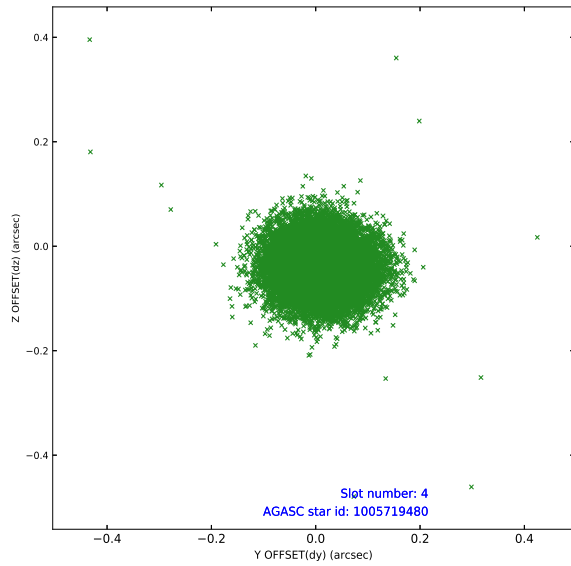
2.4.1 Slot 3



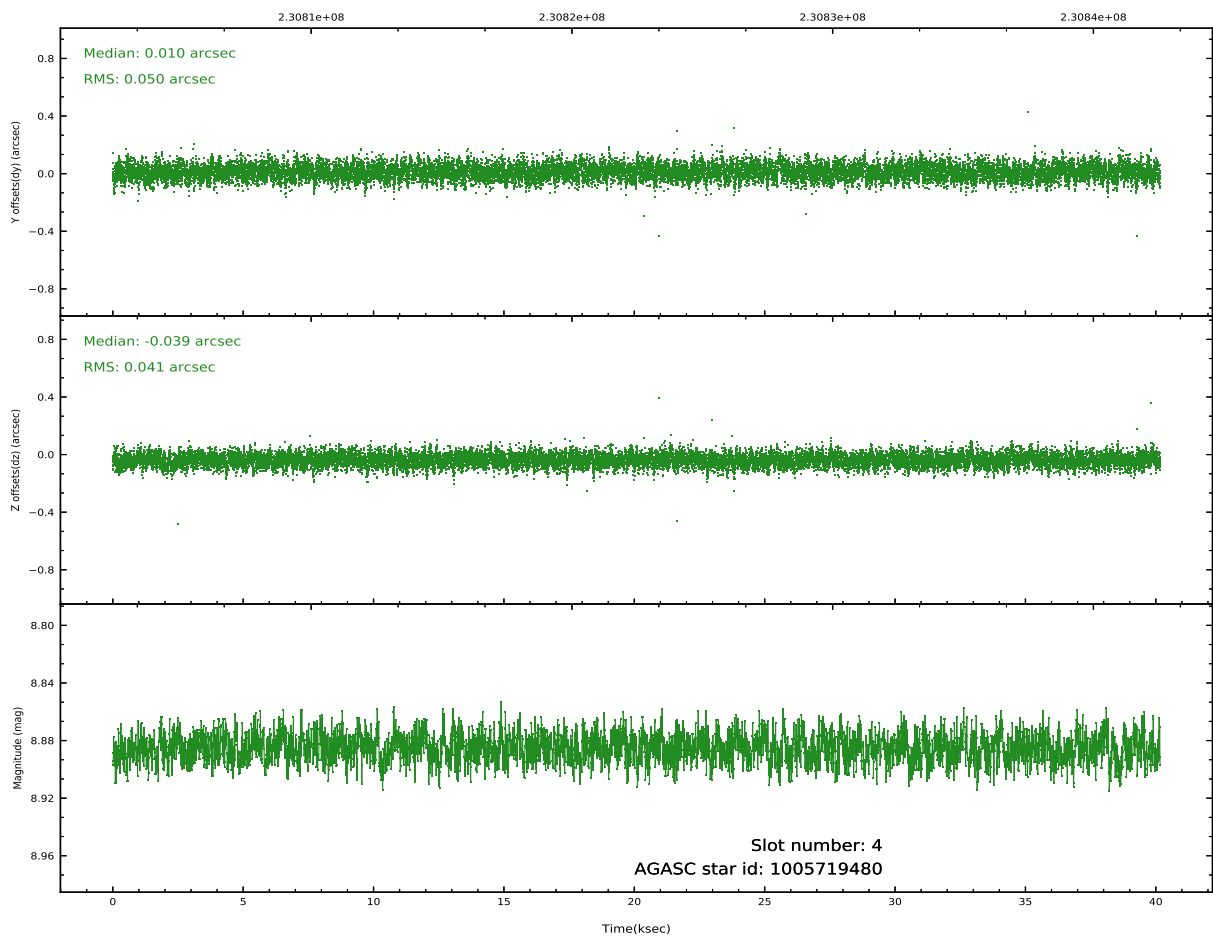
Time (s)



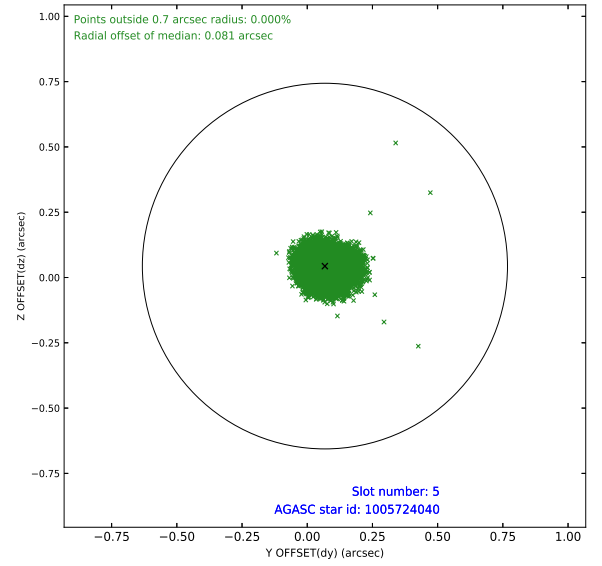
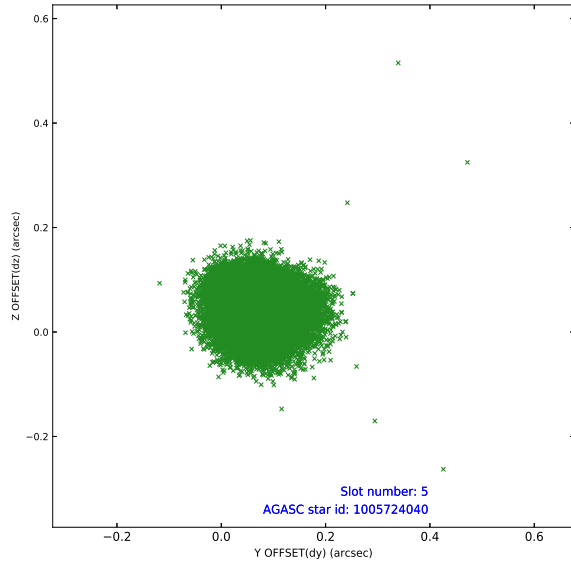
2.4.2 Slot 4



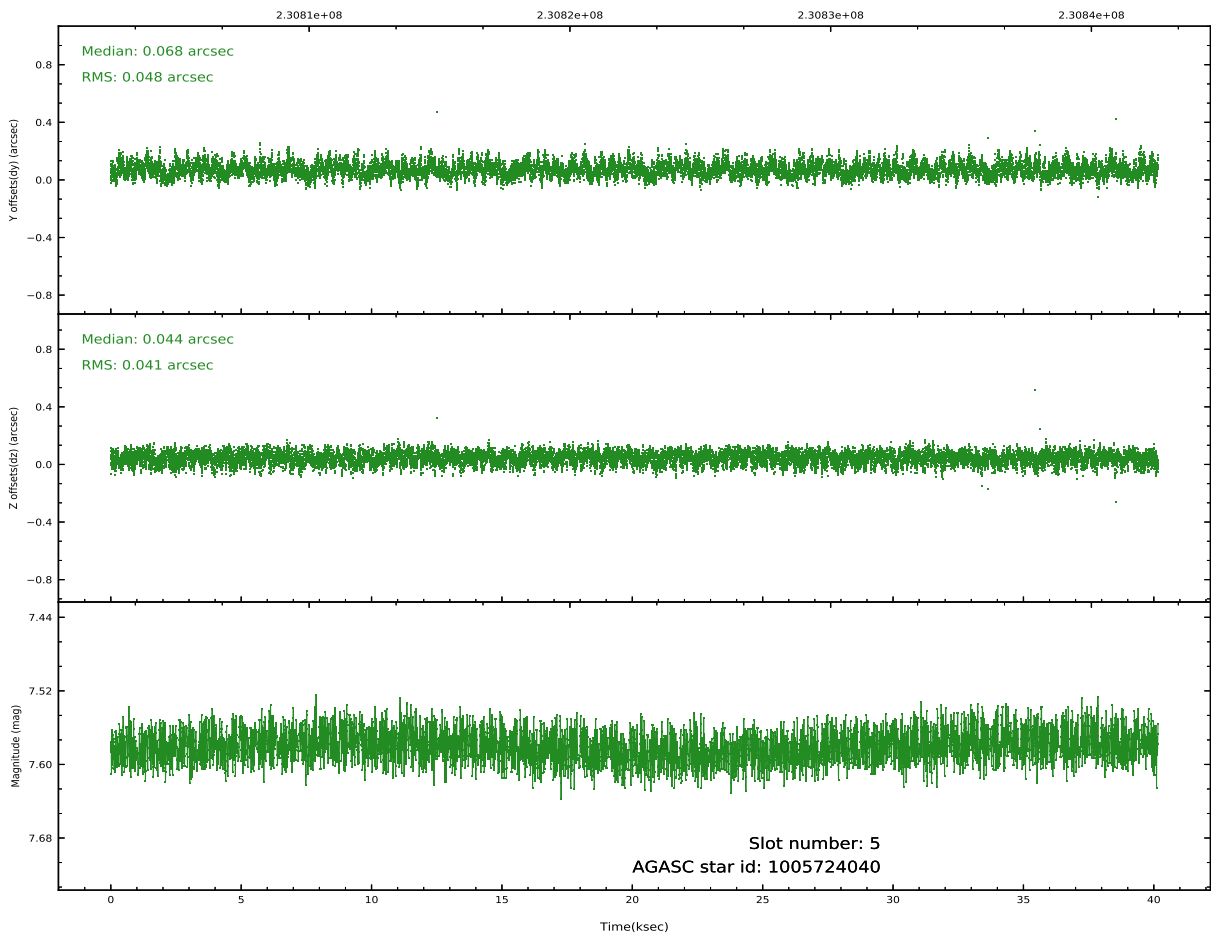
Time (s)



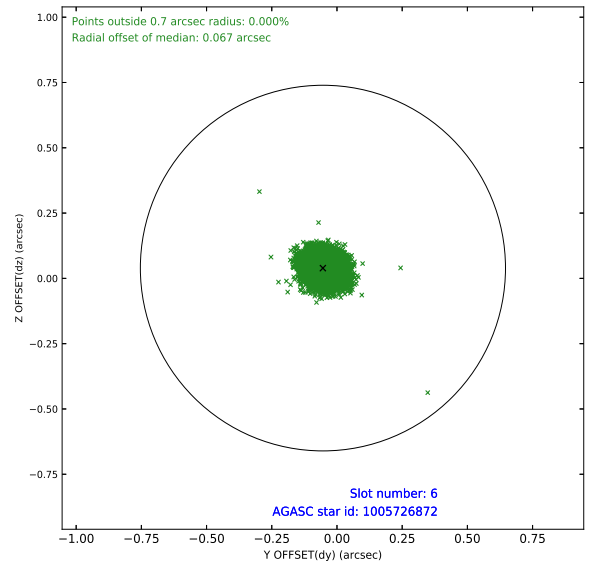
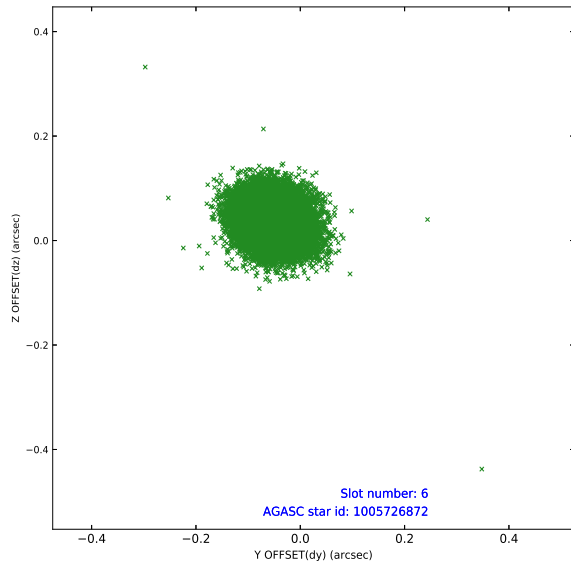
2.4.3 Slot 5



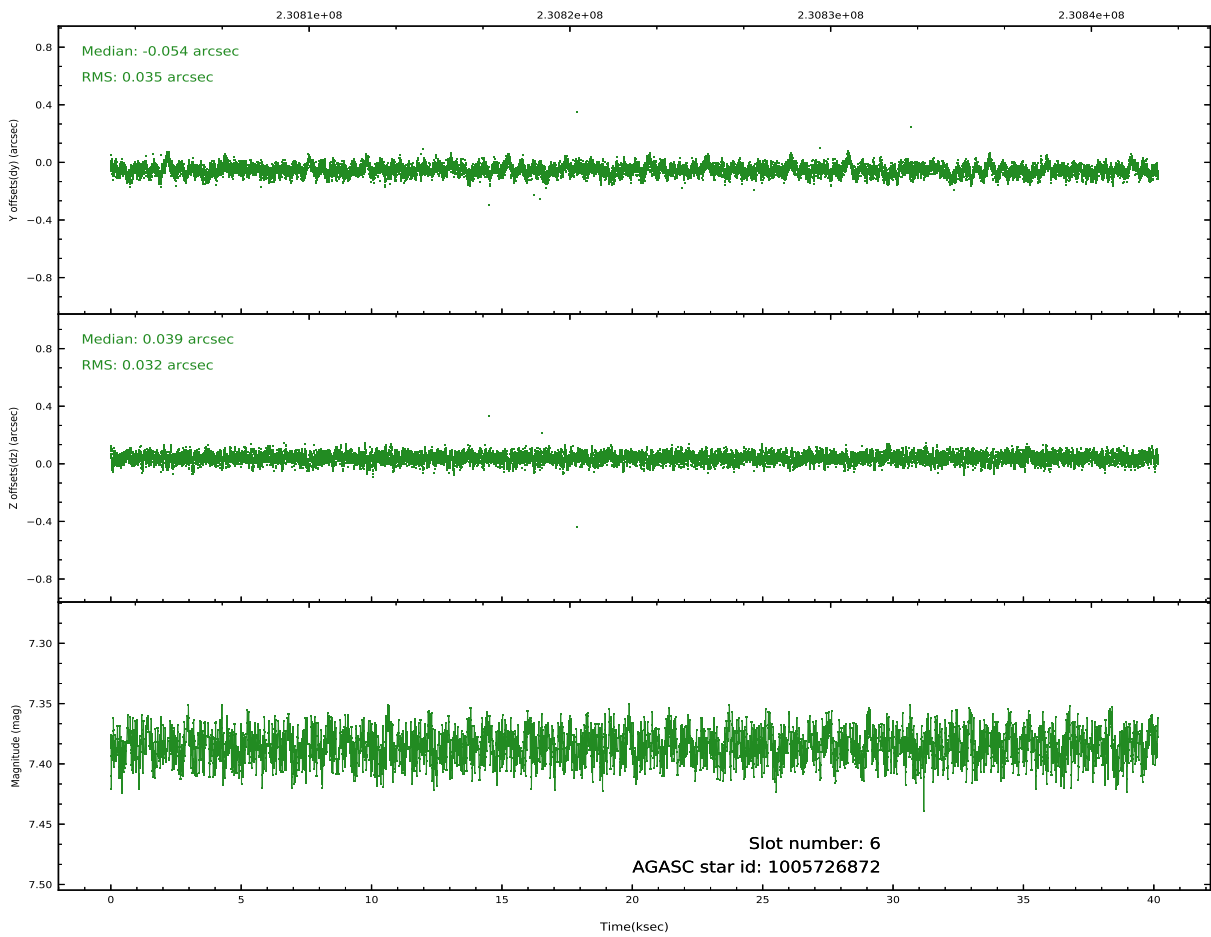
Time (s)



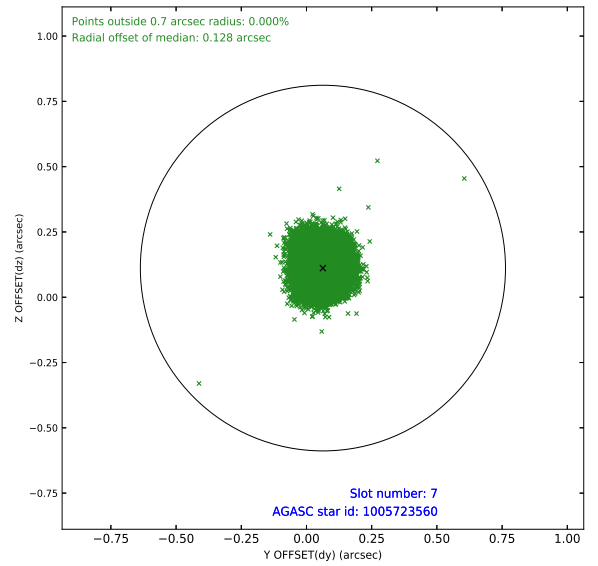
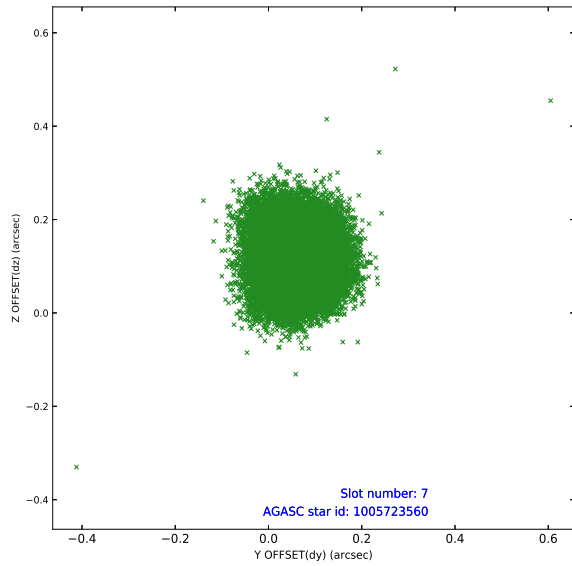
2.4.4 Slot 6



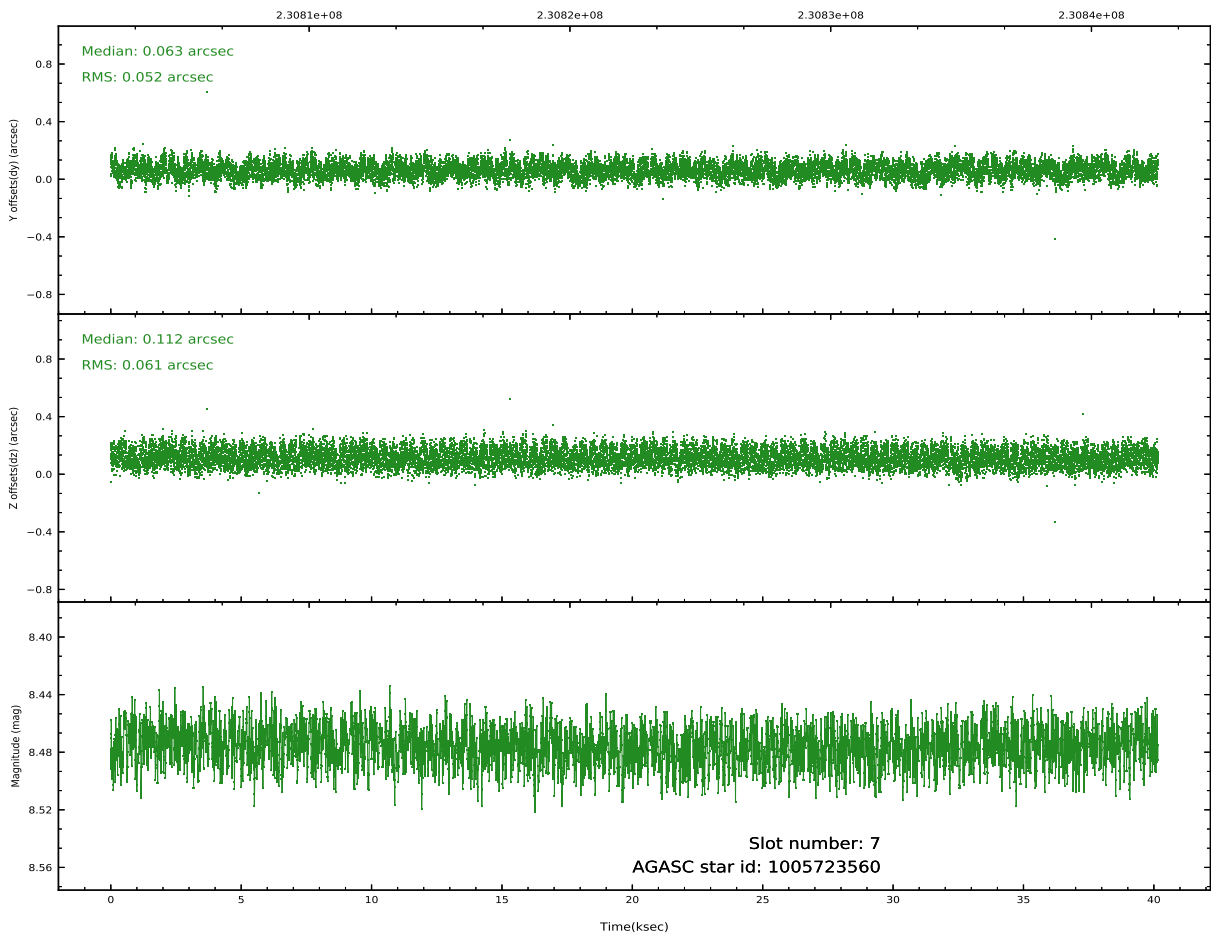
Time (s)



2.4.5 Slot 7

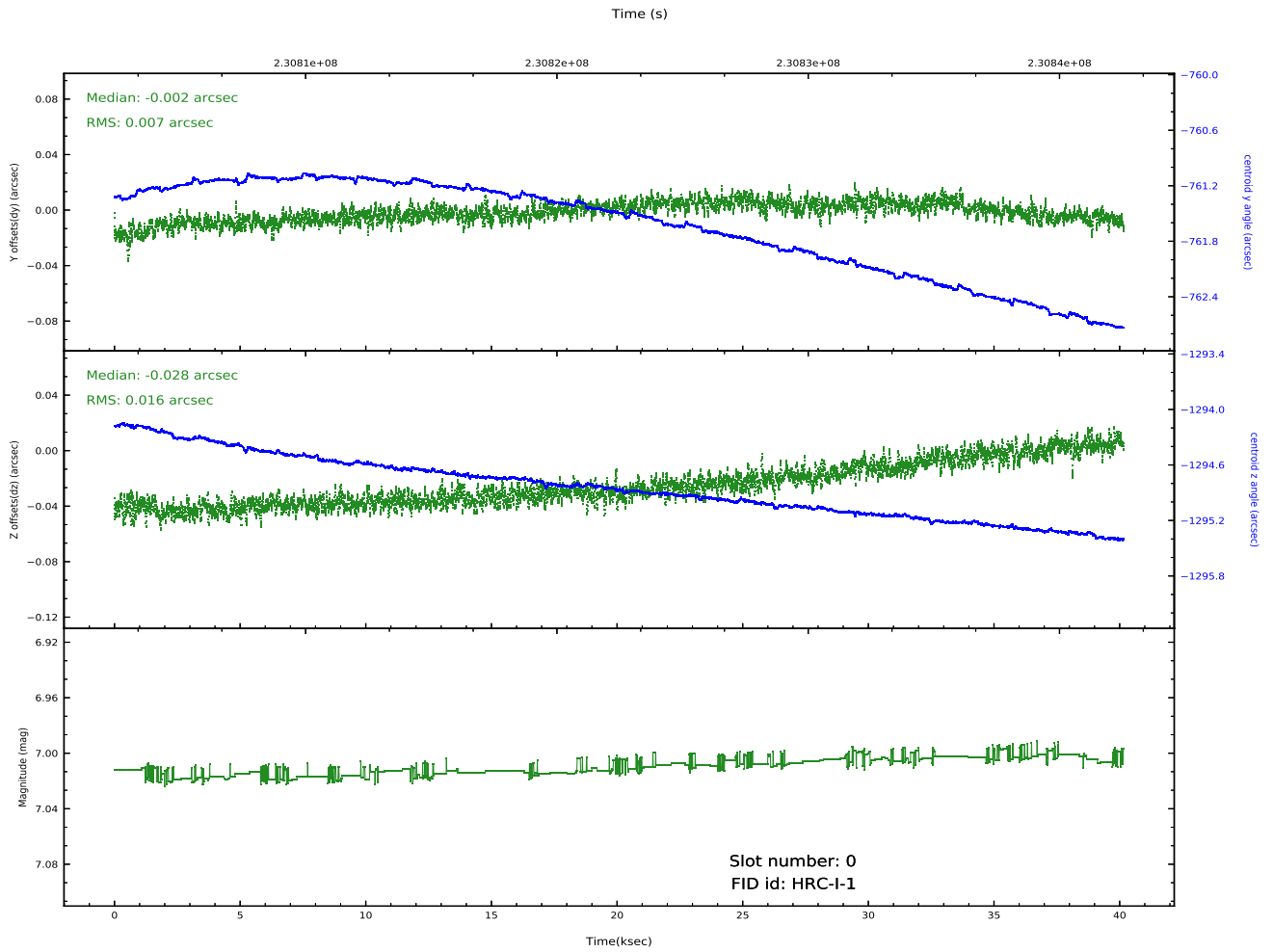
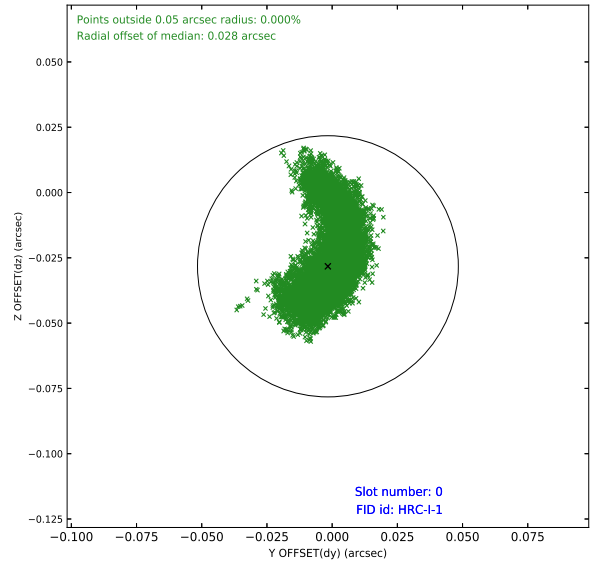
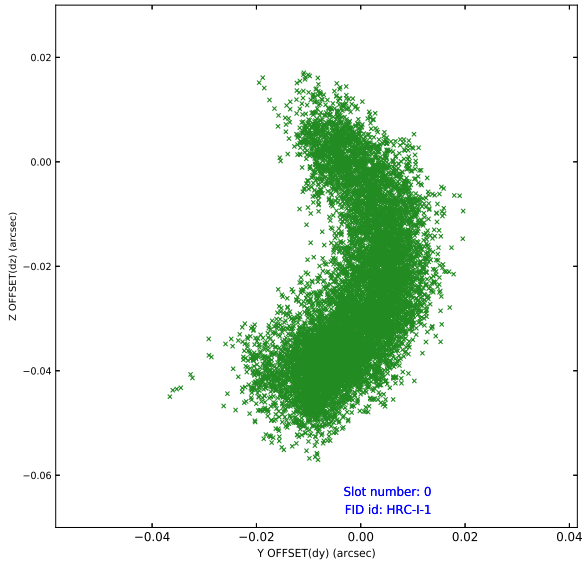


Time (s)

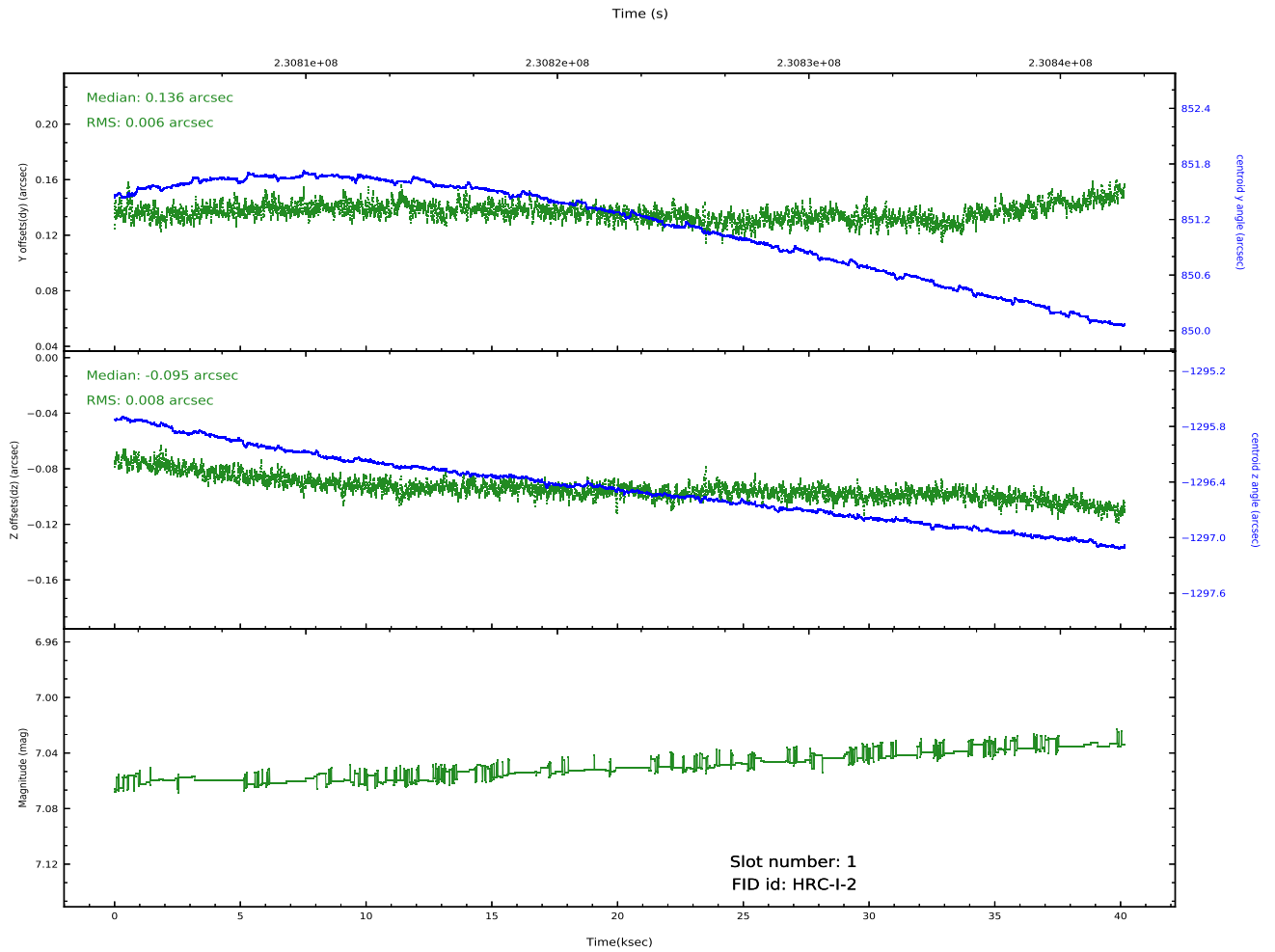
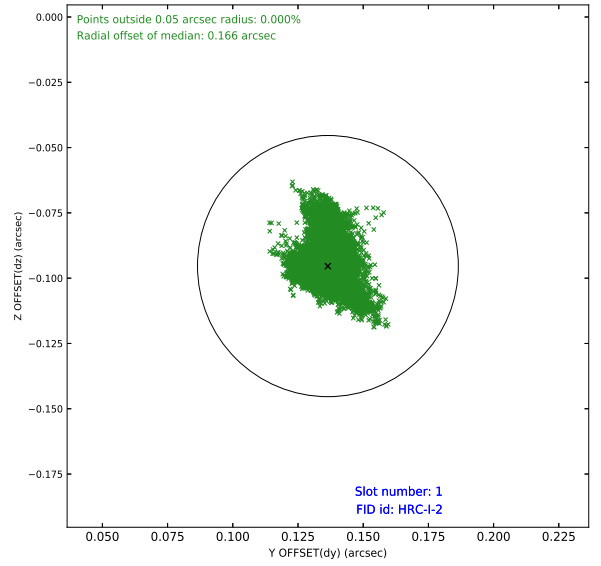
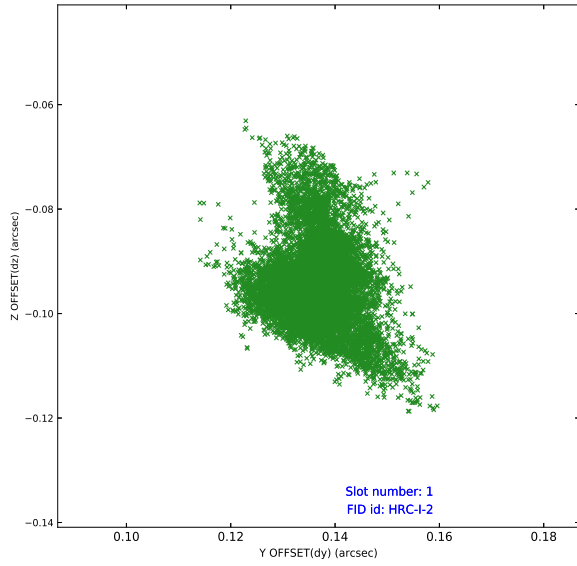


2.5 FID Slots

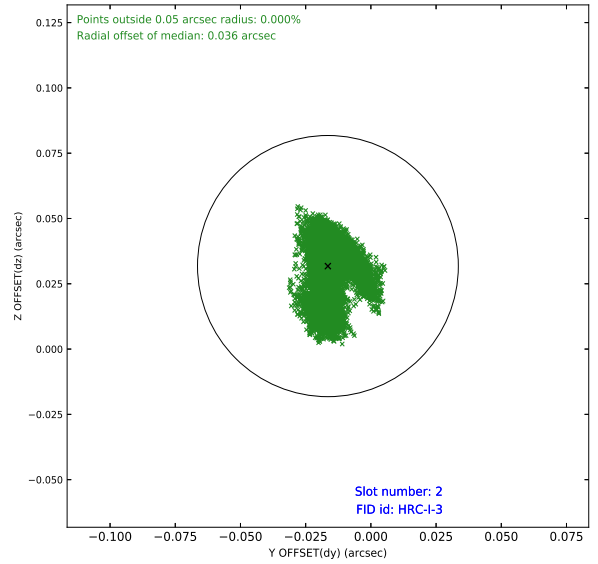
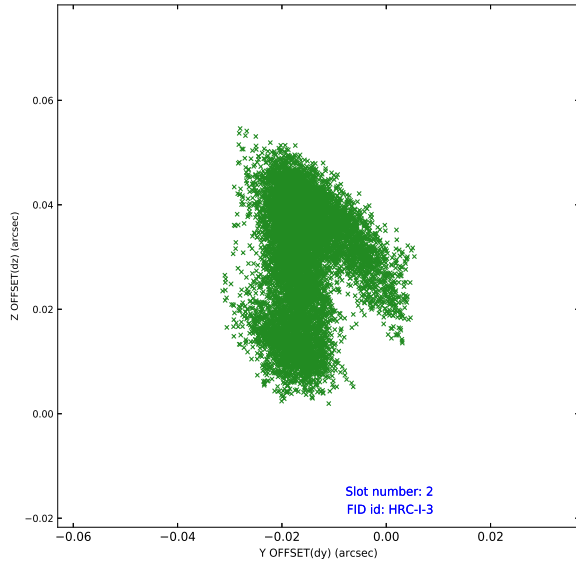
2.5.1 Slot 0



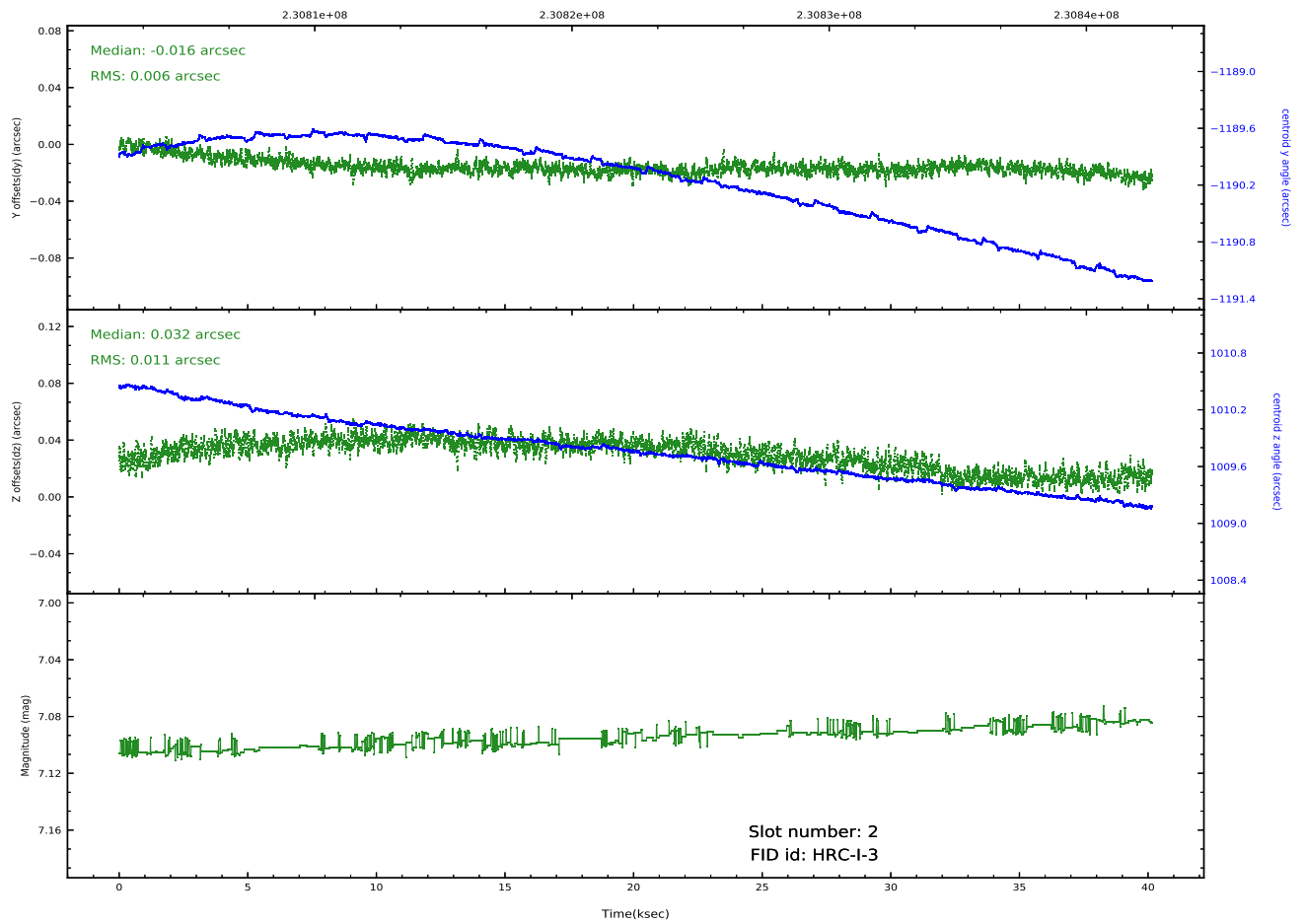
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



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	40.16488

A.2 Comments