

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4606 - L2 Version 5
Chandra X-Ray Center

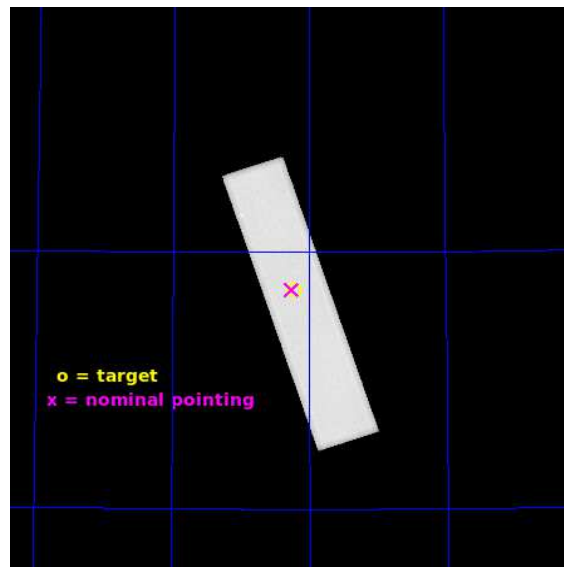
L2 Processing Date : Oct 7 2020

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1 Front

seq_num	500431	Sequence number
obs_id	4606	Observation id
title	THE NEXT GEMINGA: TAKING THE PULSE OF THE EGRET SOURCE 3EG J1835+5918	Proposal title
observer	Jules Halpern	Principal investigator
object	3EG J1835+5918	Source name
ra_targ	279.057083	Observer's specified target RA [deg]
dec_targ	59.425028	Observer's specified target Dec [deg]
ra_nom	279.06414798275	Nominal RA [deg]
dec_nom	59.42666959177	Nominal Dec [deg]
roll_nom	71.358377235681	Nominal Roll [deg]
revision	5	Processing version of data
ontime	28139.582525283	[s]
livetime	28027.822638164	Ontime multiplied by DTCOR
l2events	1129207	Number of level 2 events

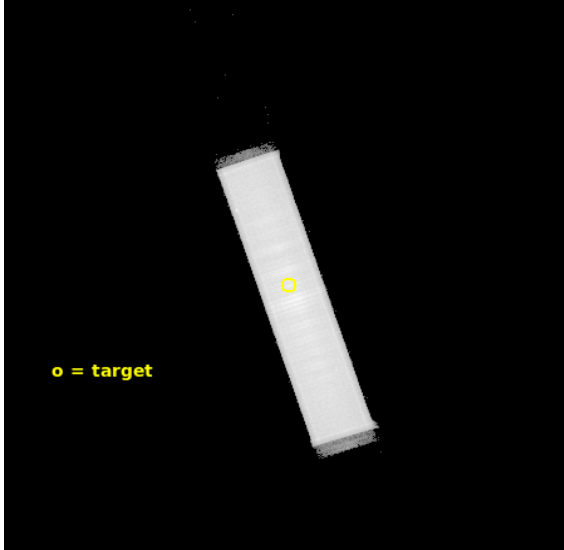


2 OBI

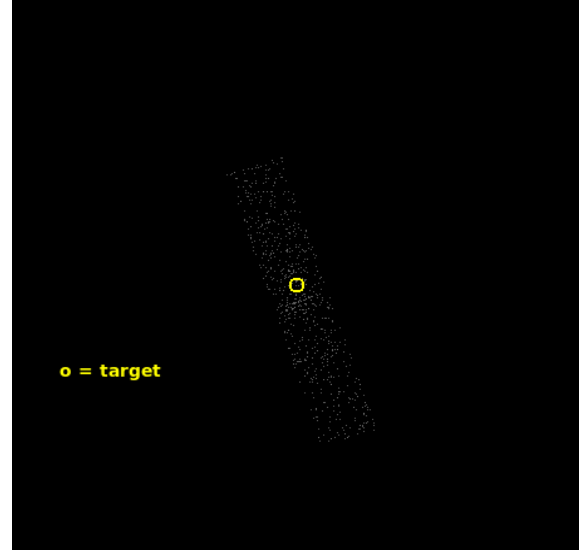
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	28139.582525283	[s]
caldbver	4.9.2	 	l1events	1721838	Number of level 1 events
date	2020-10-07T04:41:02	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

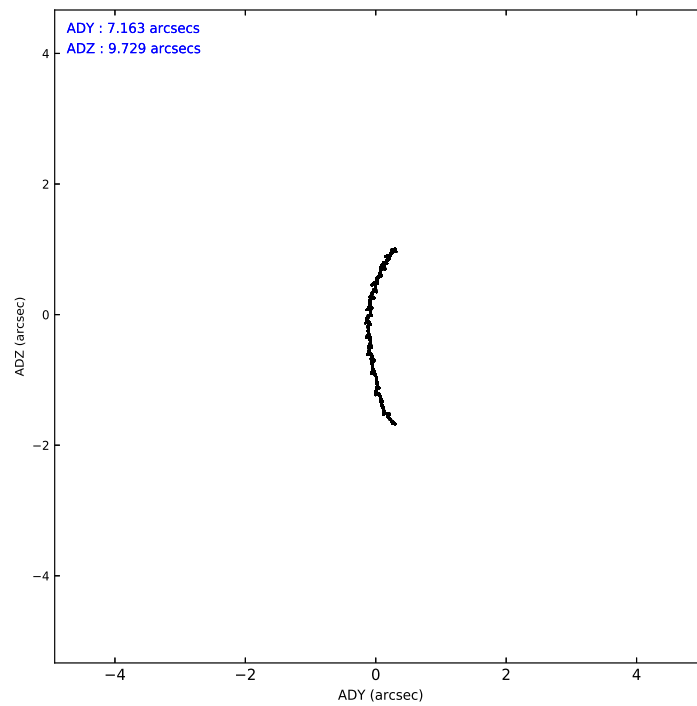
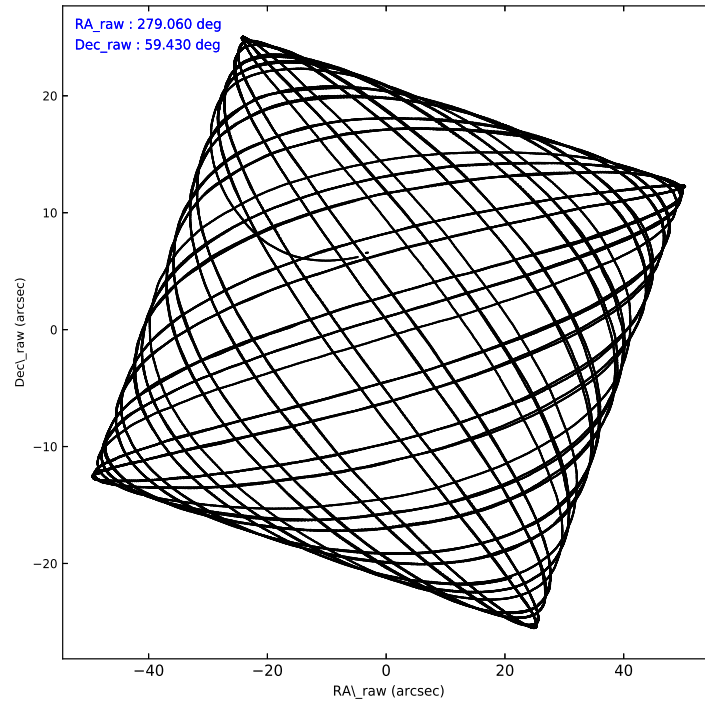
	segment 1	segment 2	segment 3
level 1 events	2441	1718626	771
rejected events	141	90084	52
rejected %	5%	5%	6%

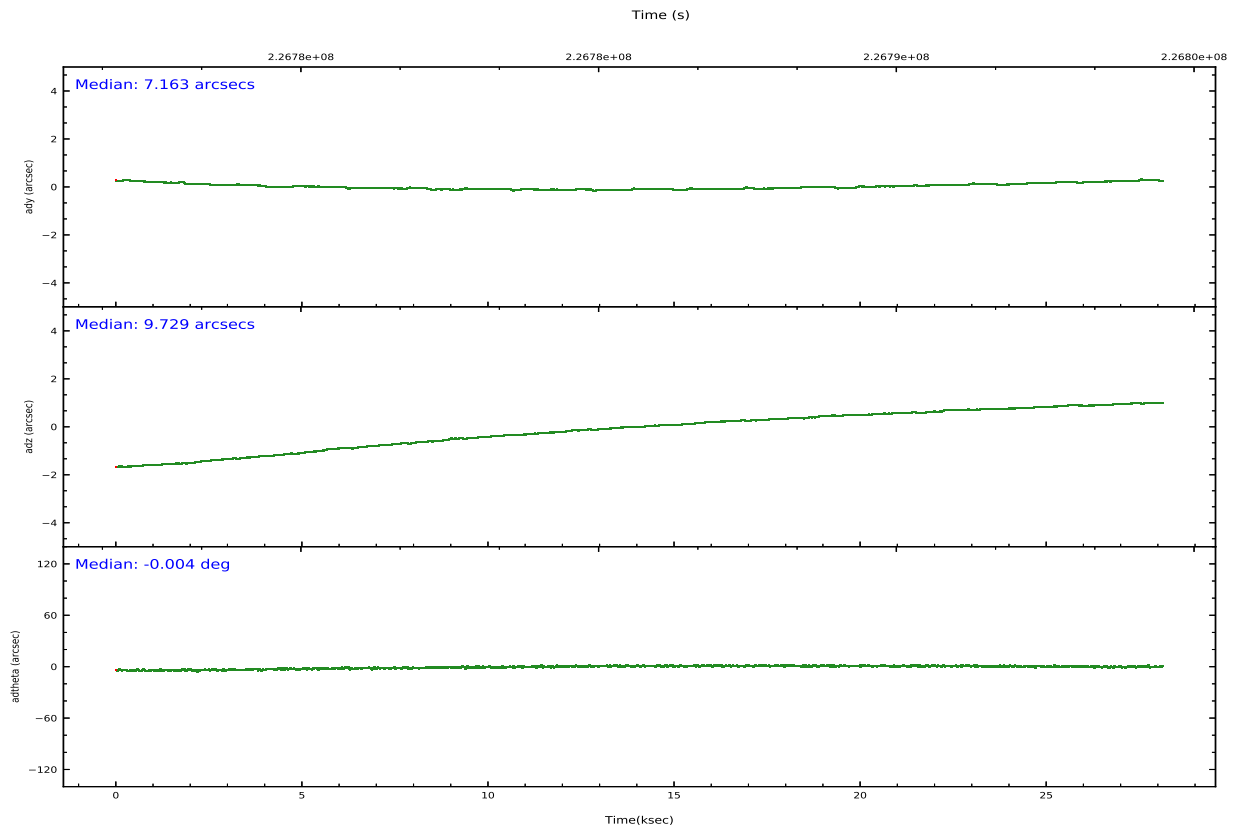
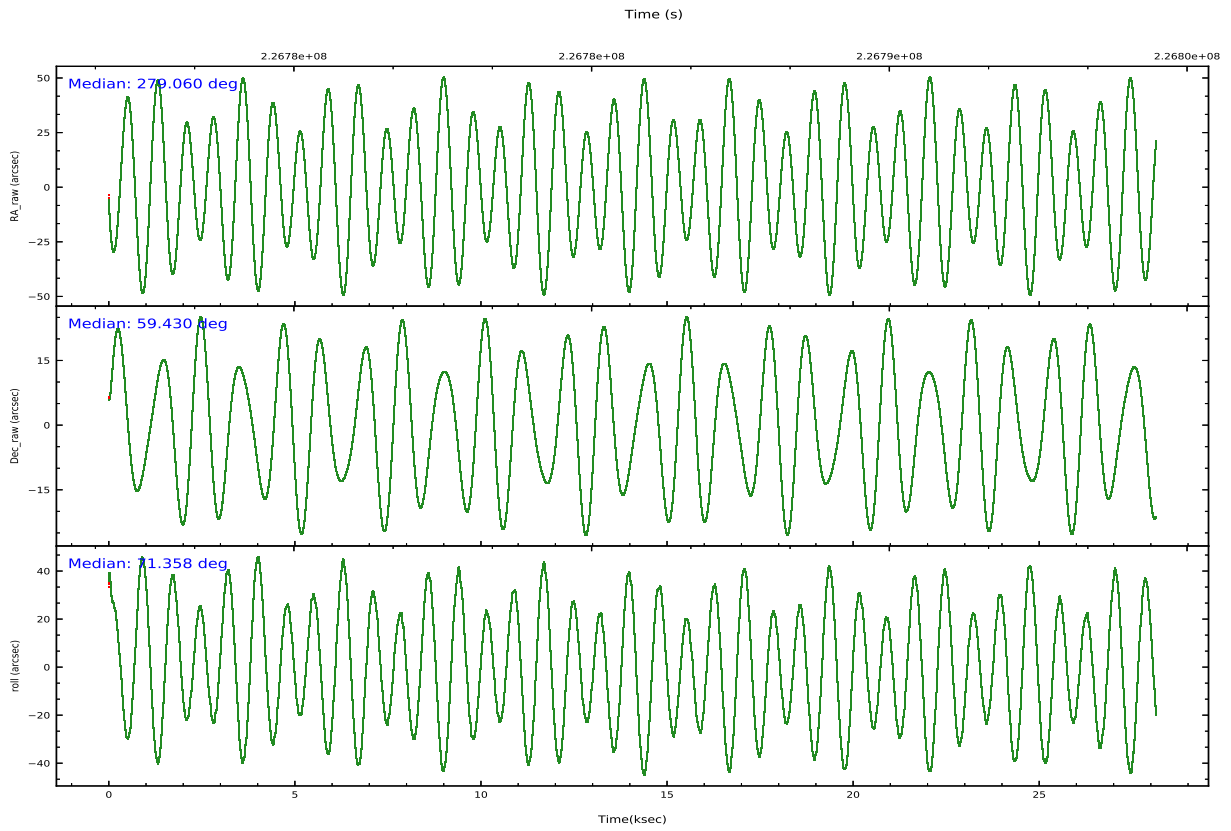
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.074059	279.06414798275
[deg] Pointing Dec	59.401691	59.42666959177
[deg] Pointing Roll	71.282937	71.358377235681
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	226771169.184000	226769508.21366
Observation start date	2005-03-09T15:58:25	2005-03-09T15:31:48
[s] Observation end time (MET)	226799169.184000	226799970.70254
Observation end date	2005-03-09T23:45:05	2005-03-09T23:59:30

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

2.3 Aspect



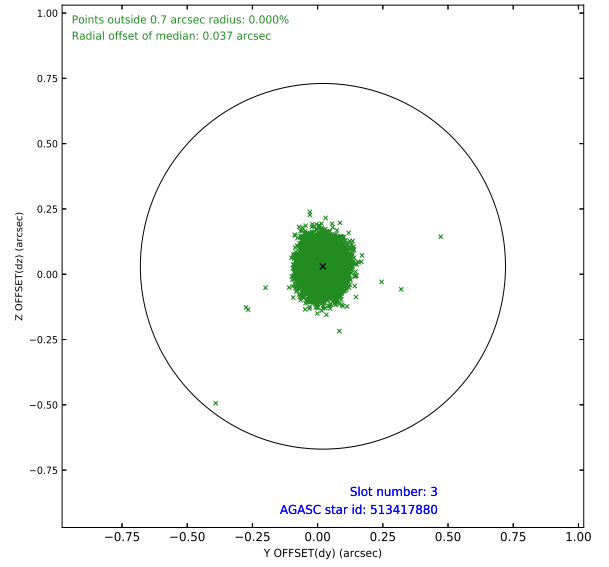
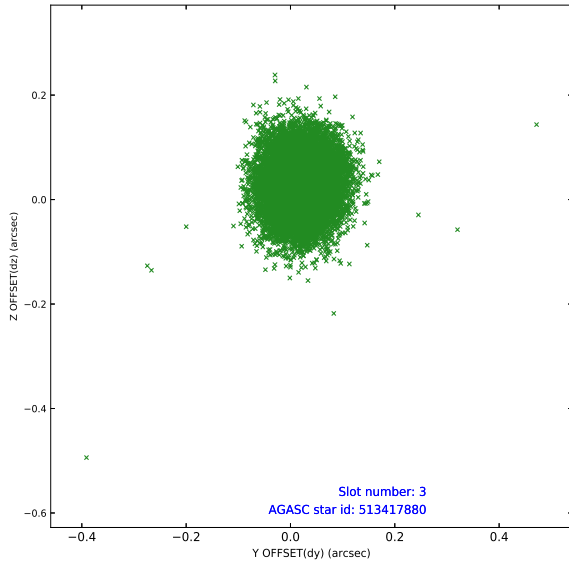


Slot Statistics

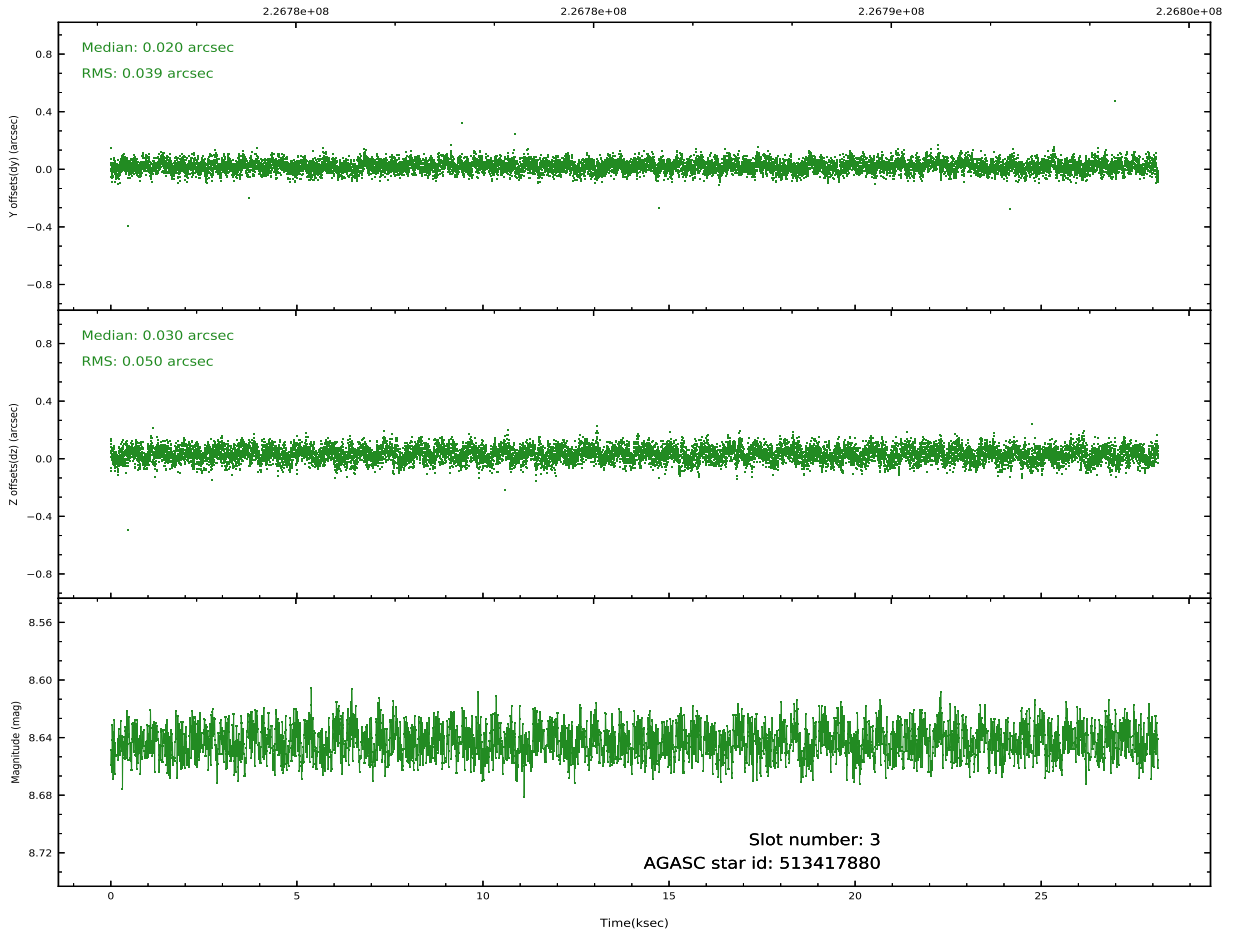
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	6863	1.000	0.099	-0.190	0.016	0.058	0.000000	0.000000	-1161.37	-458
1	FID		HRC-S-2	7.01	6864	1.000	0.207	-0.120	0.006	0.011	0.000000	0.000000	1238.25	-450
2	FID		HRC-S-3	7.03	6864	1.000	0.084	0.009	0.016	0.061	0.000000	0.000000	-1163.93	571
3	GUIDE	used	513417880	8.64	13725	1.000	0.020	0.030	0.067	0.108	279.584245	59.253862	-199.14	-1058
4	GUIDE	used	513419672	8.92	13725	1.000	-0.066	0.016	0.079	0.129	278.251329	59.888562	1191.71	1972
5	GUIDE	used	513420760	9.04	13719	1.000	-0.019	0.021	0.096	0.156	277.675033	59.117633	-1772.66	2128
6	GUIDE	used	513422640	8.02	13727	1.000	-0.069	0.003	0.070	0.114	277.976729	59.419970	-567.42	1929
7	GUIDE	used	513421296	9.07	13720	1.000	0.130	-0.069	0.103	0.165	277.849502	59.566976	-133.86	2312

2.4 Star Slots

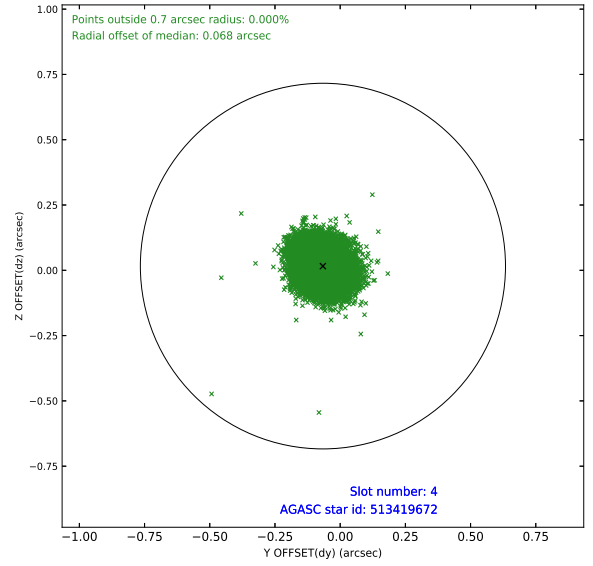
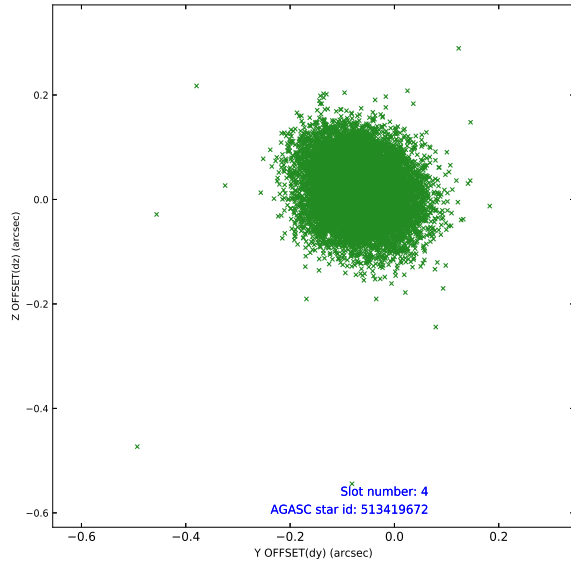
2.4.1 Slot 3



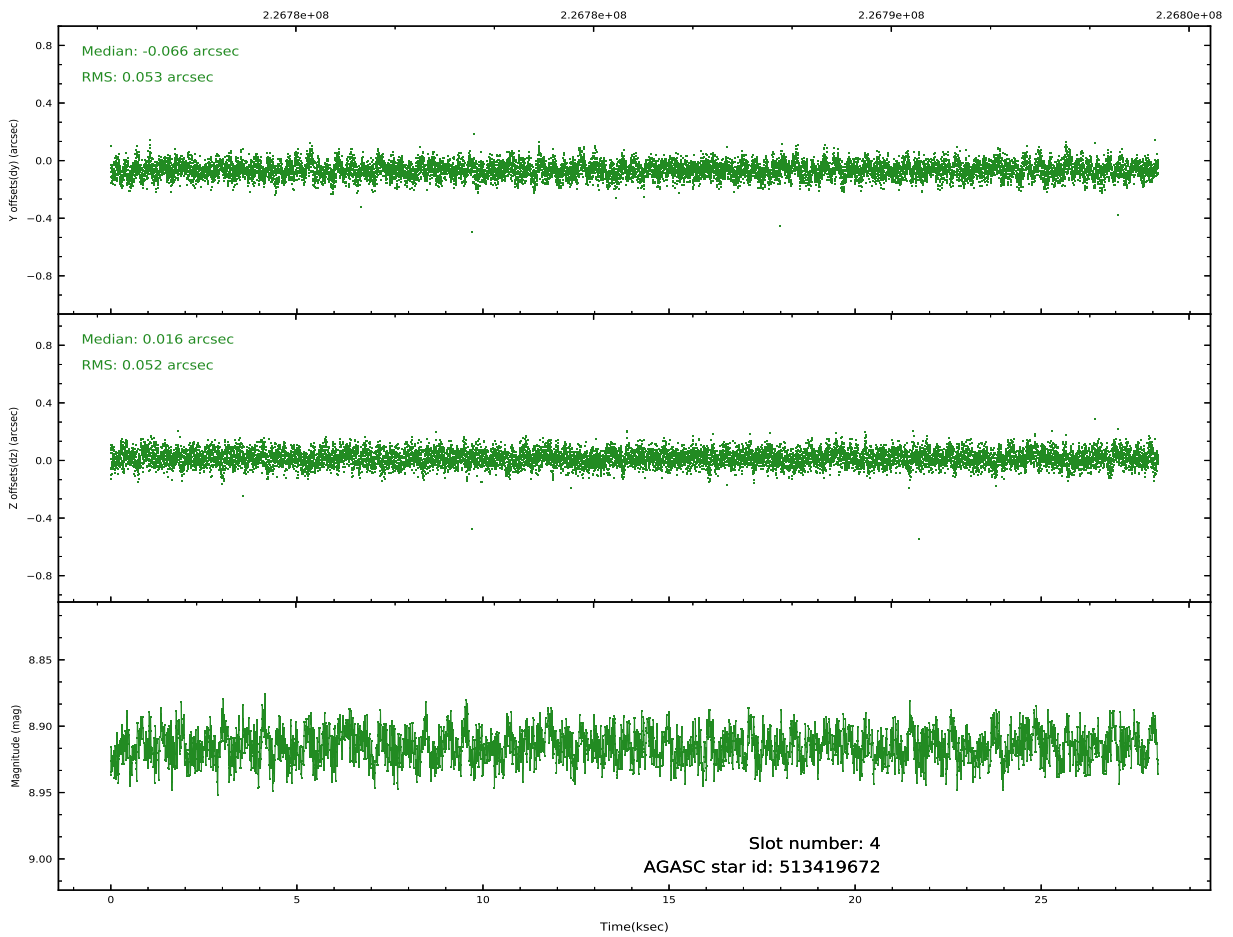
Time (s)



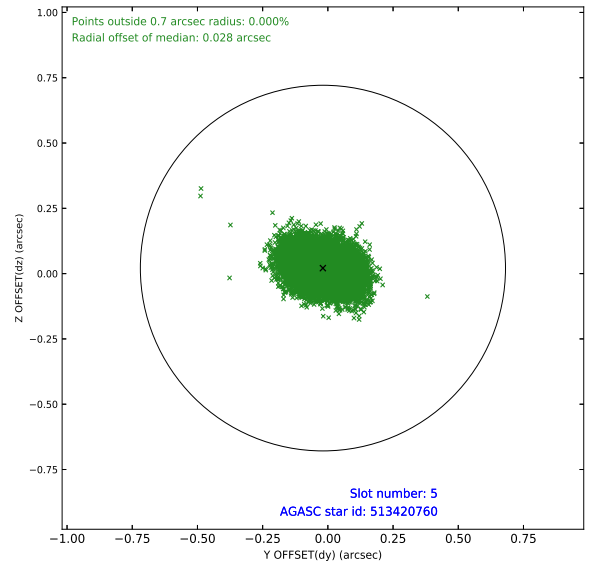
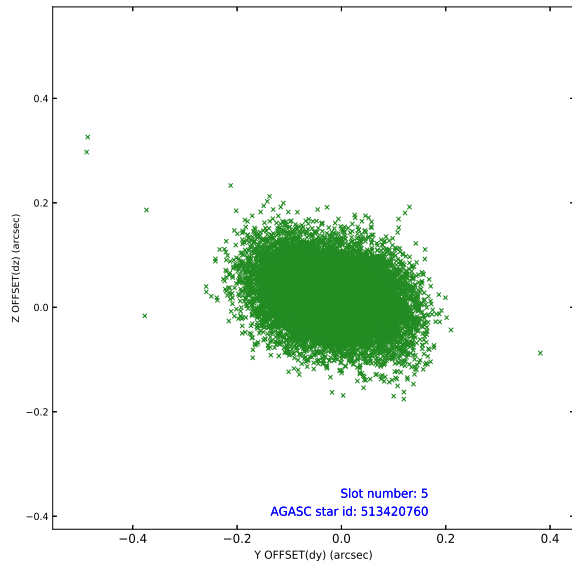
2.4.2 Slot 4



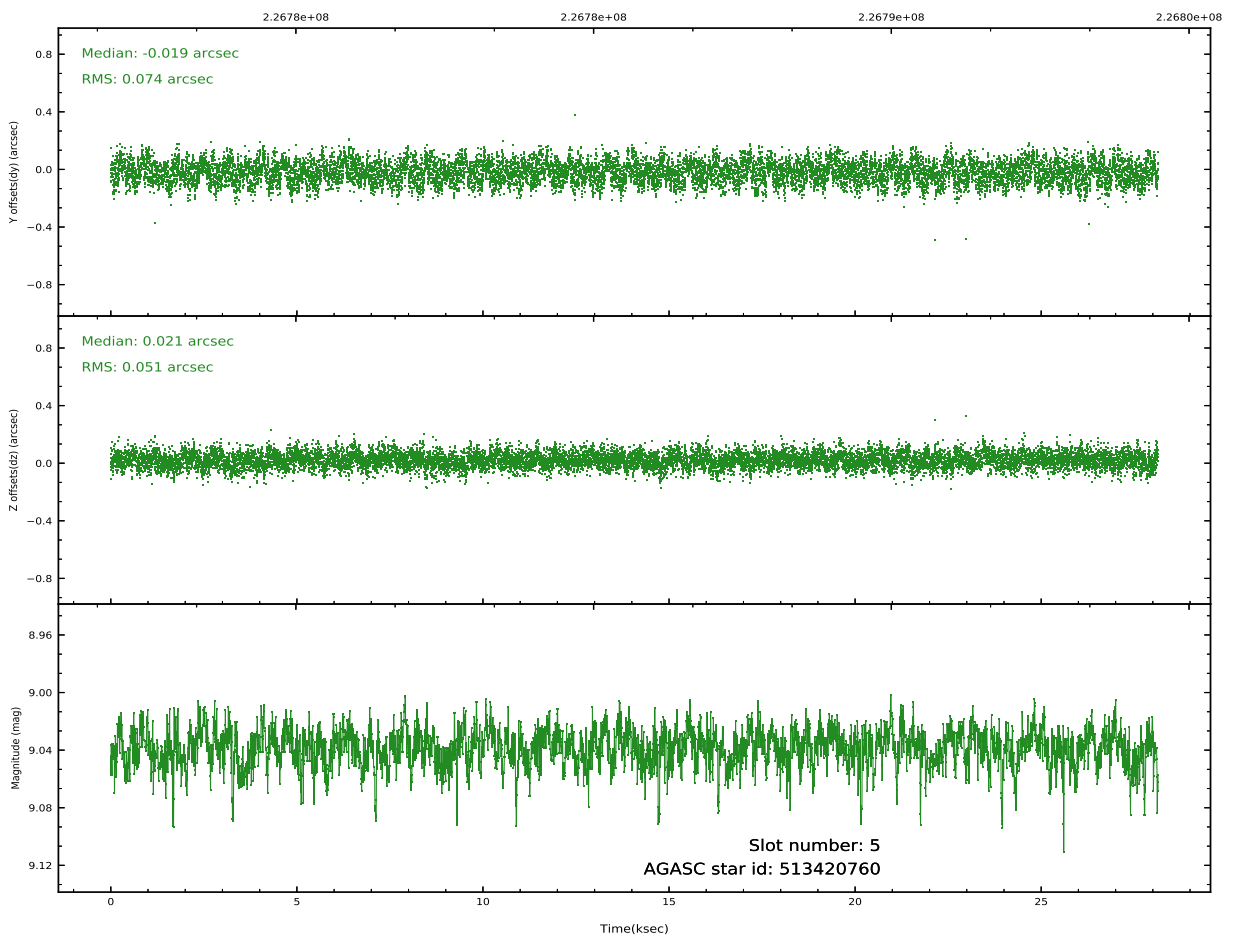
Time (s)



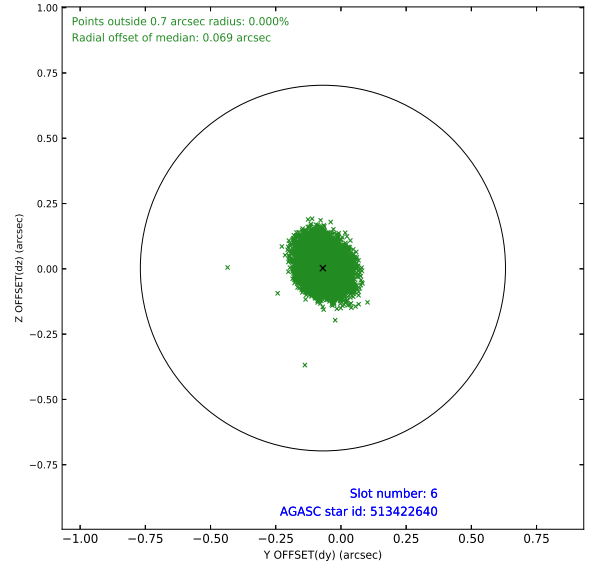
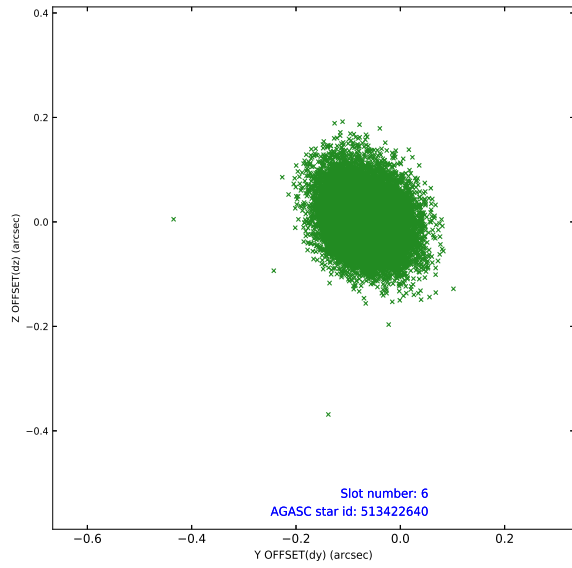
2.4.3 Slot 5



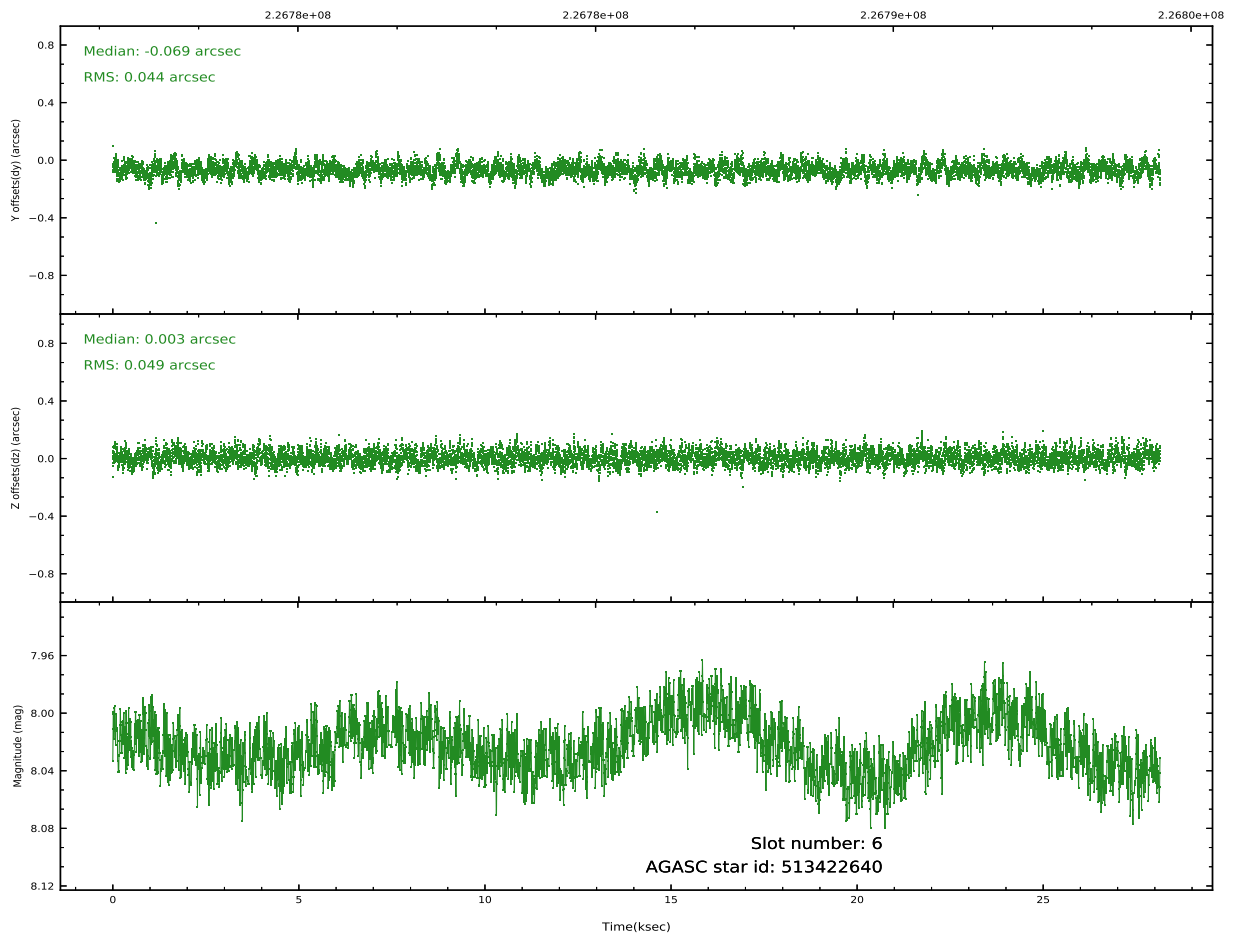
Time (s)



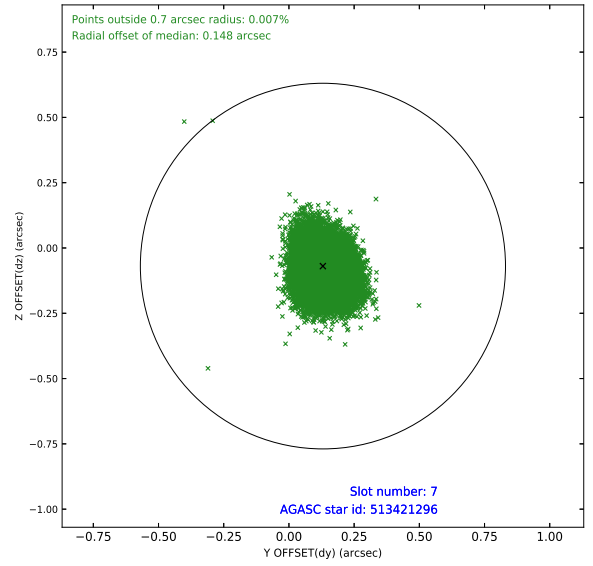
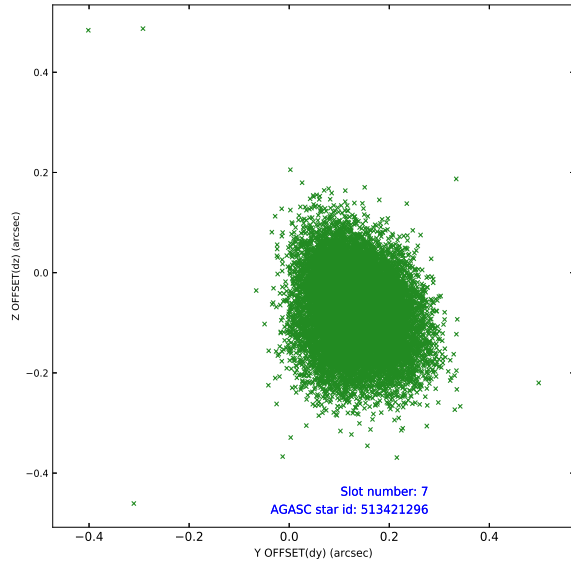
2.4.4 Slot 6



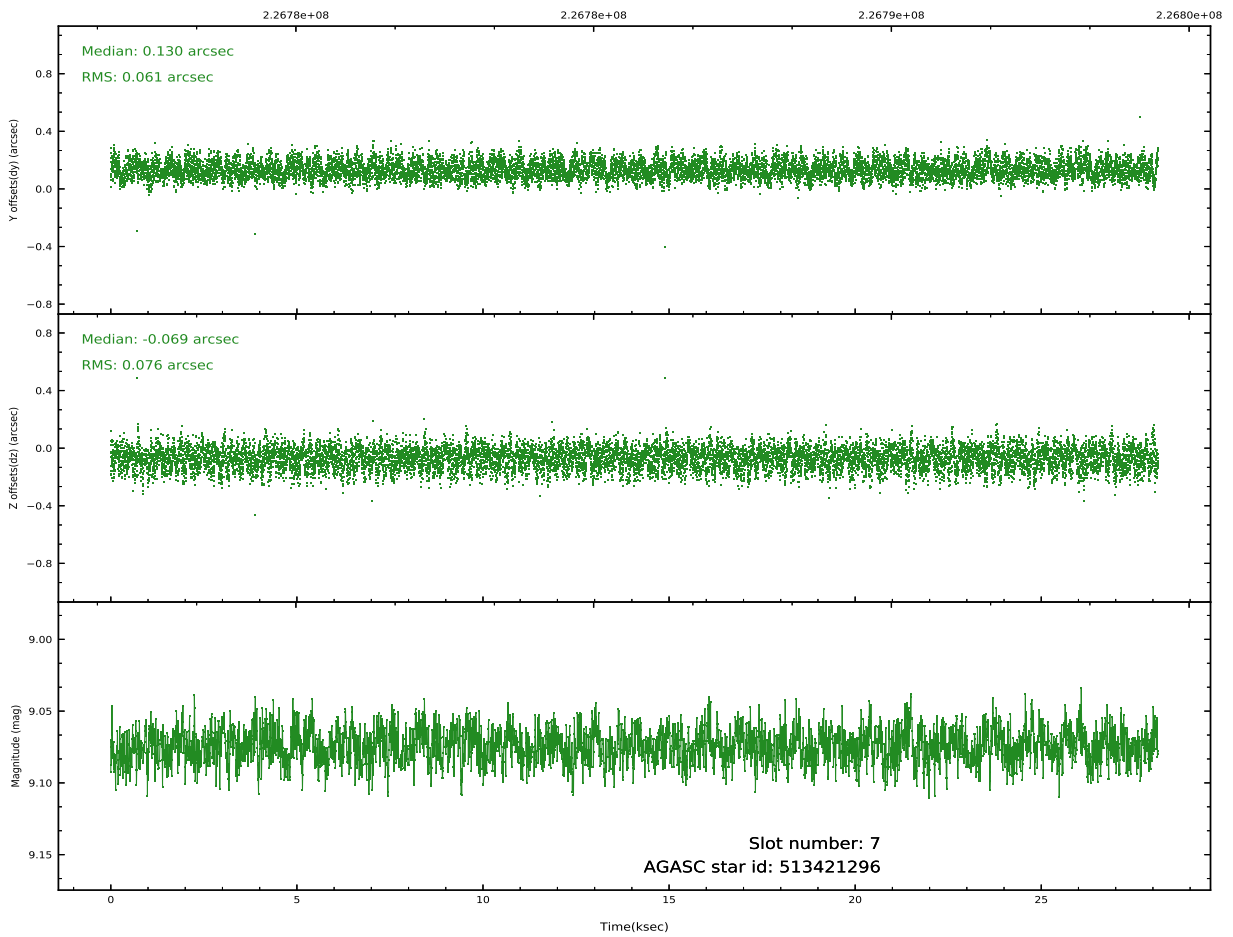
Time (s)



2.4.5 Slot 7

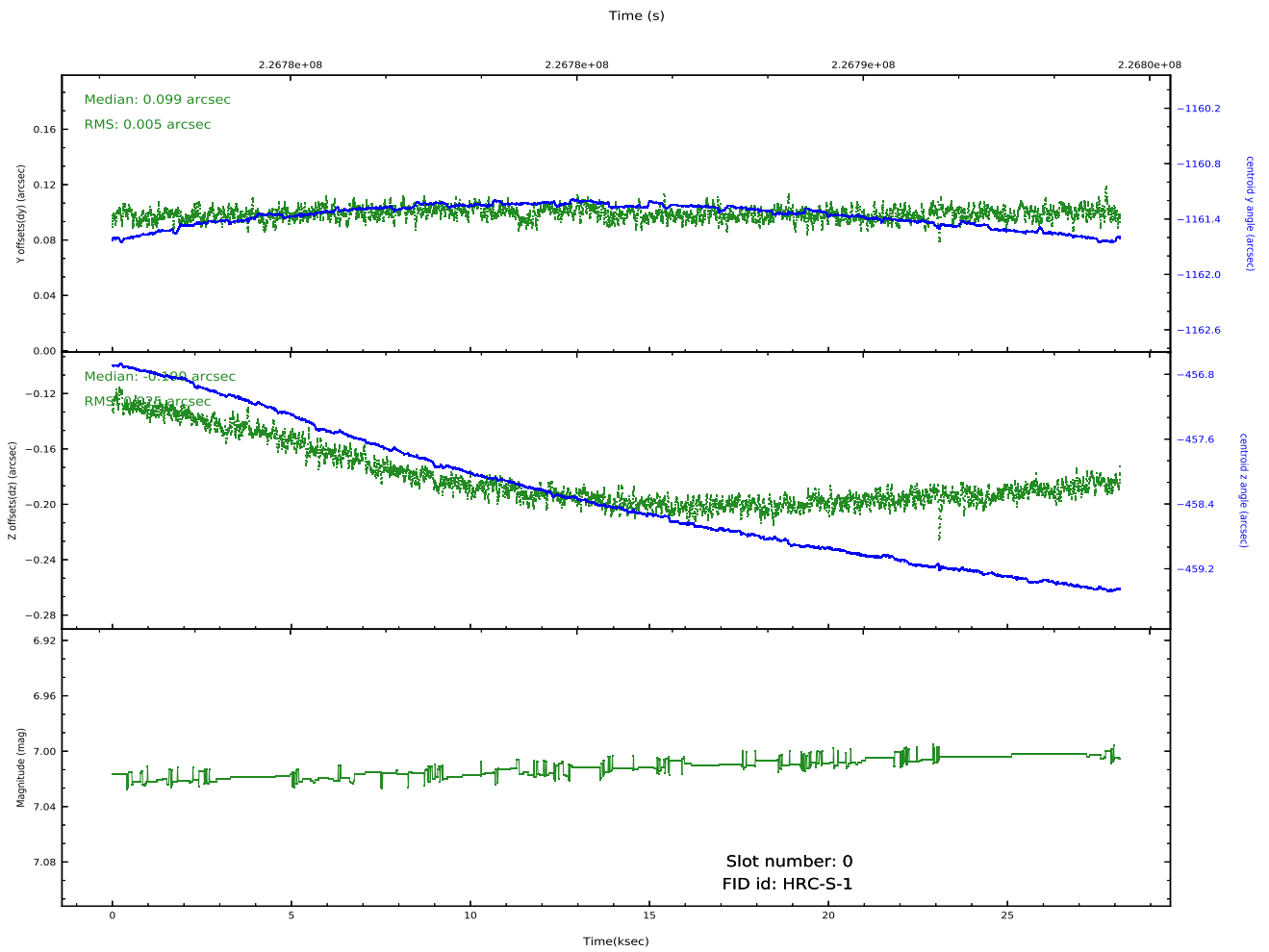
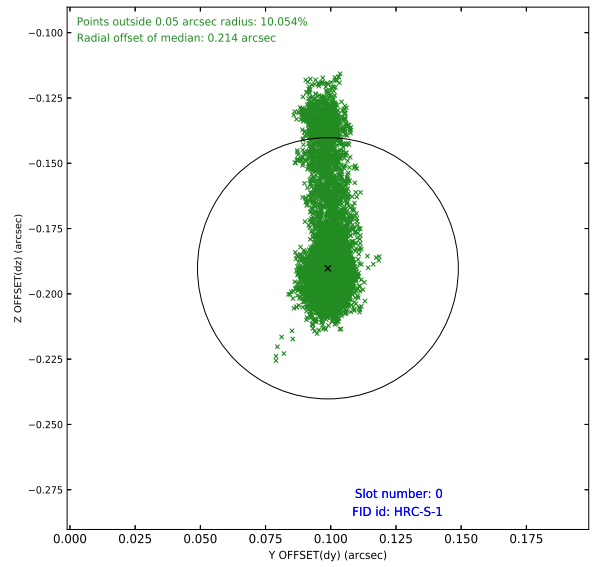
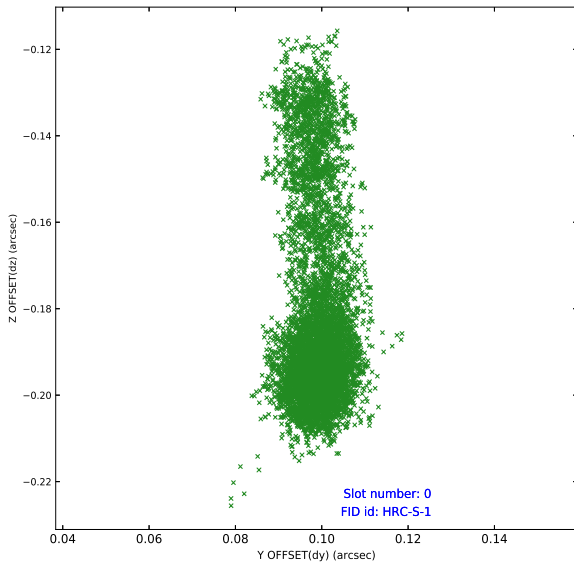


Time (s)

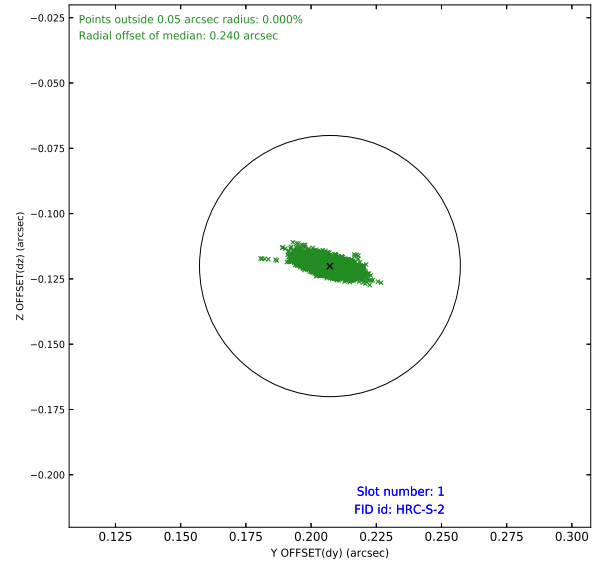
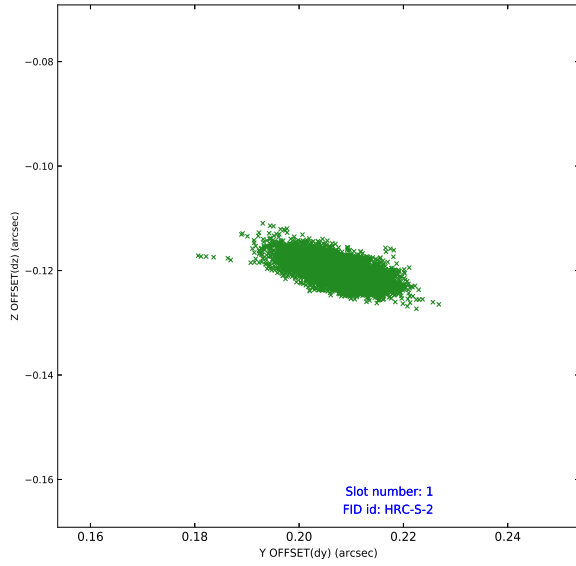


2.5 FID Slots

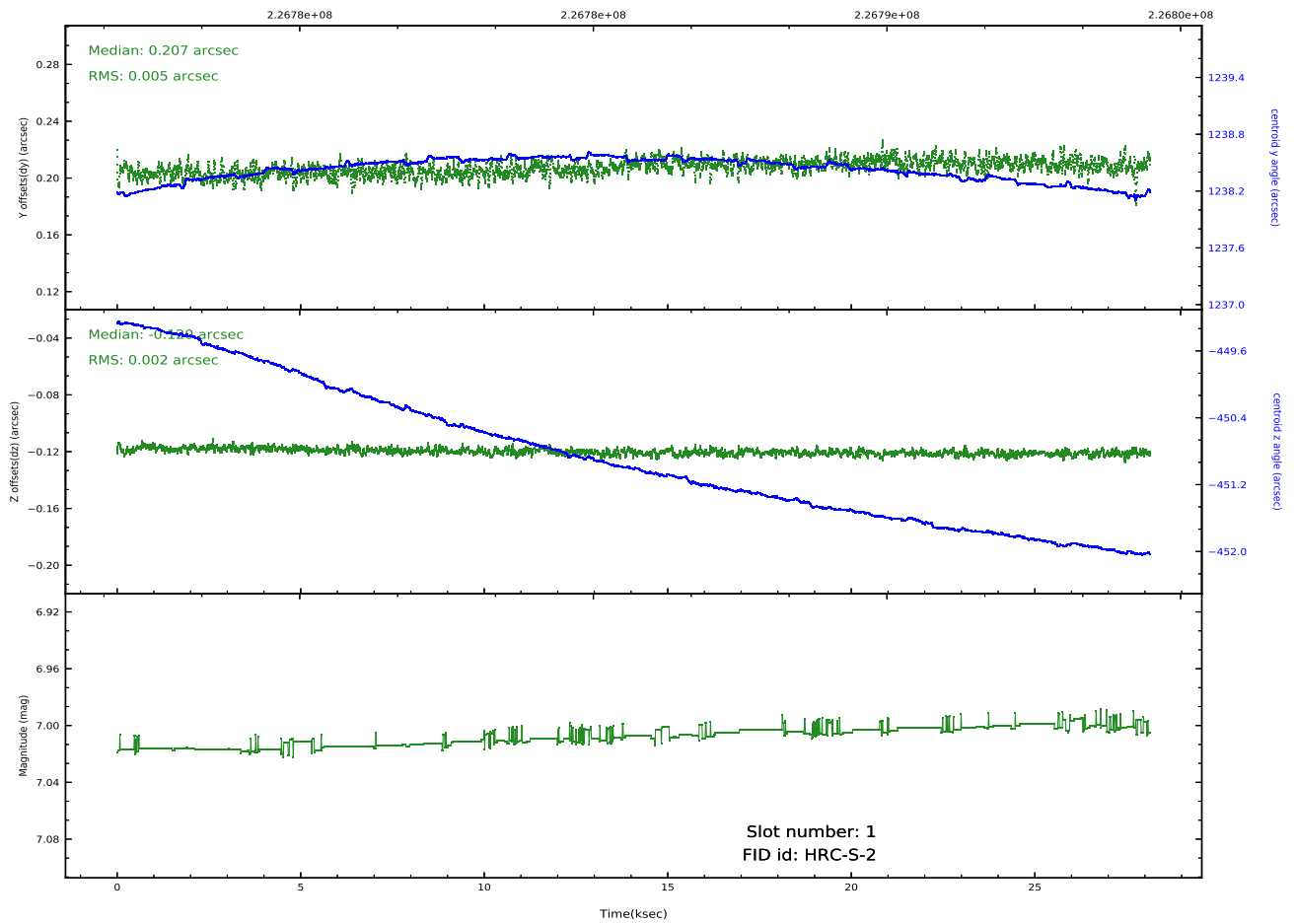
2.5.1 Slot 0



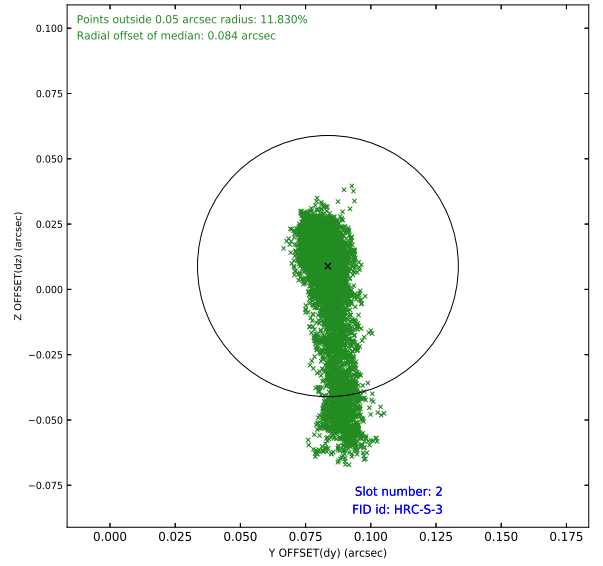
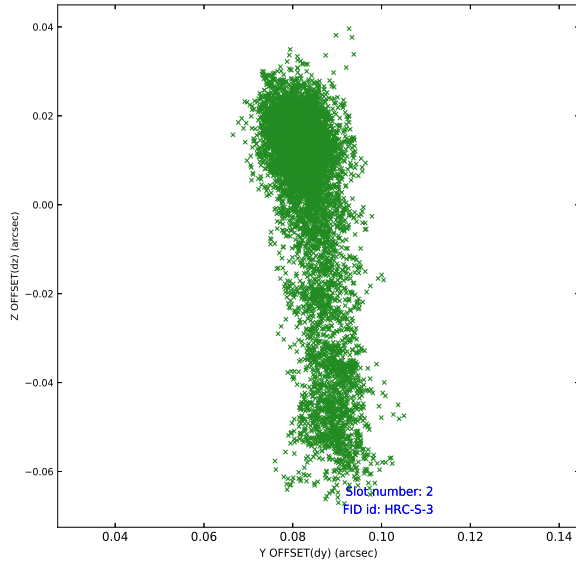
2.5.2 Slot 1



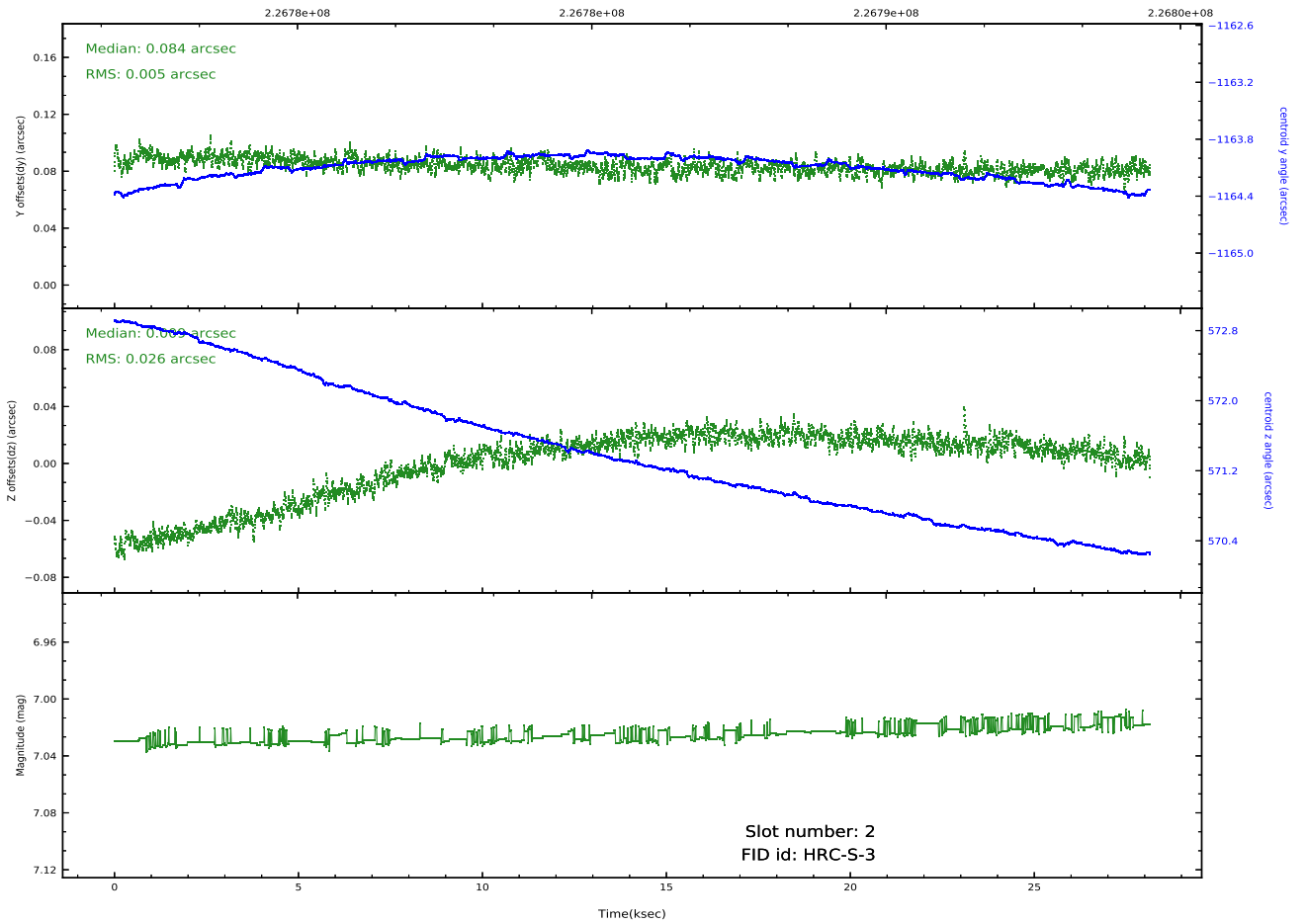
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.13958

A.2 Comments