

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5168 - L2 Version 4
Chandra X-Ray Center

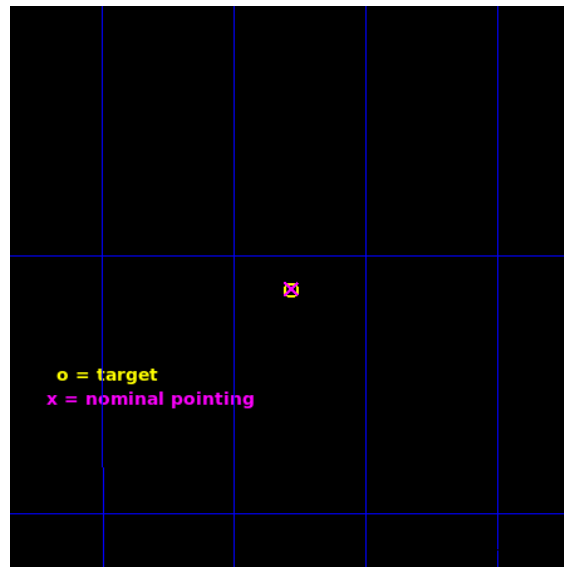
L2 Processing Date : Sep 24 2020

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1 Front

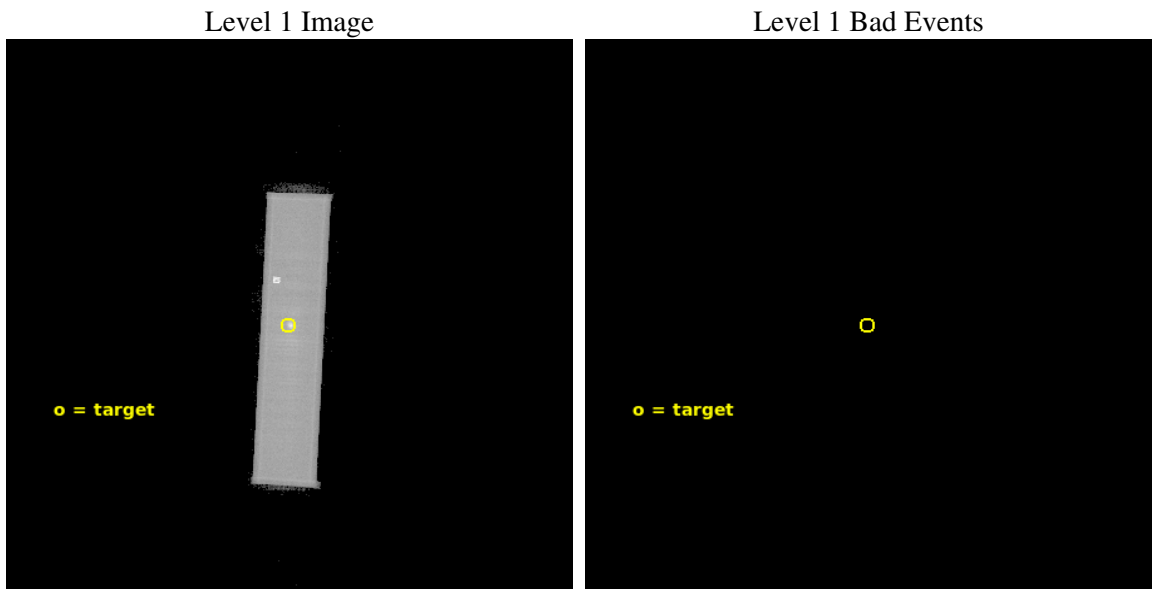
seq_num	590366	Sequence number
obs_id	5168	Observation id
title	AO5A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	SNR G21.5-0.9	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.38951786957	Nominal RA [deg]
dec_nom	-10.563968055246	Nominal Dec [deg]
roll_nom	92.7656520274	Nominal Roll [deg]
revision	4	Processing version of data
ontime	0.0	[s]
lifetime	0.0	Ontime multiplied by DTCOR
l2events	0	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	19200.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	0.0	[s]
caldbver	4.9.2	 	l1events	887938	Number of level 1 events
date	2020-09-24T11:58:24	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

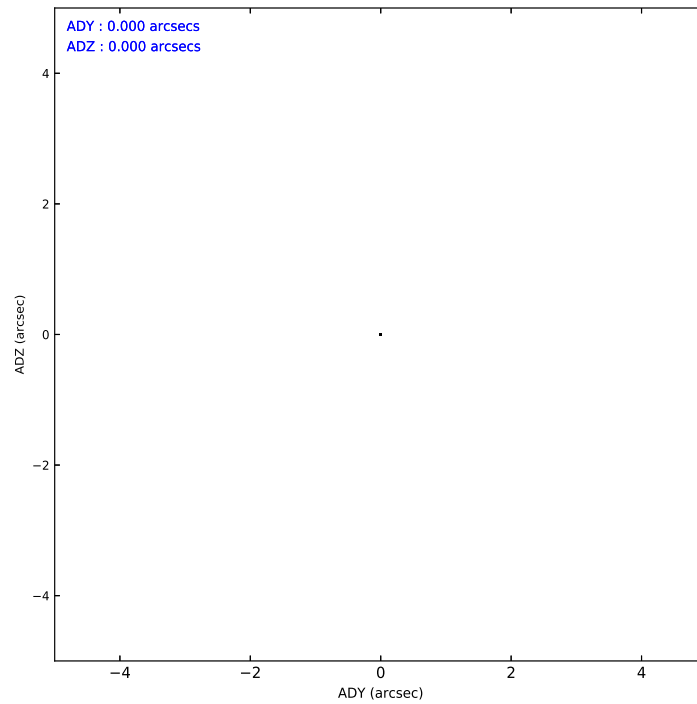
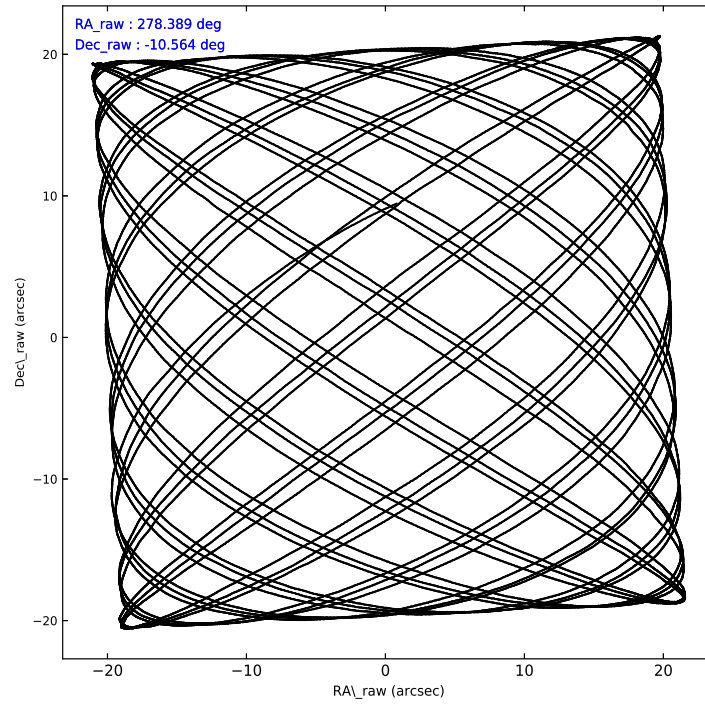
Level 1 Events

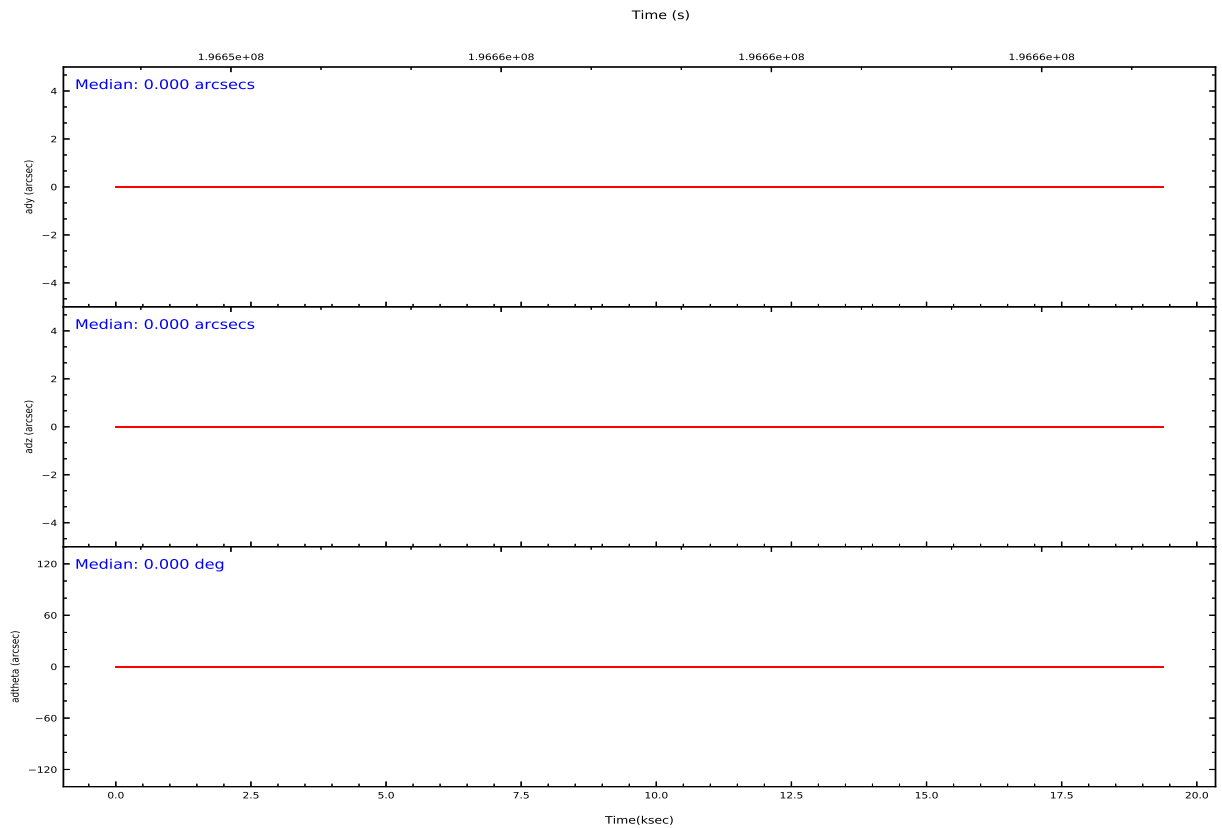
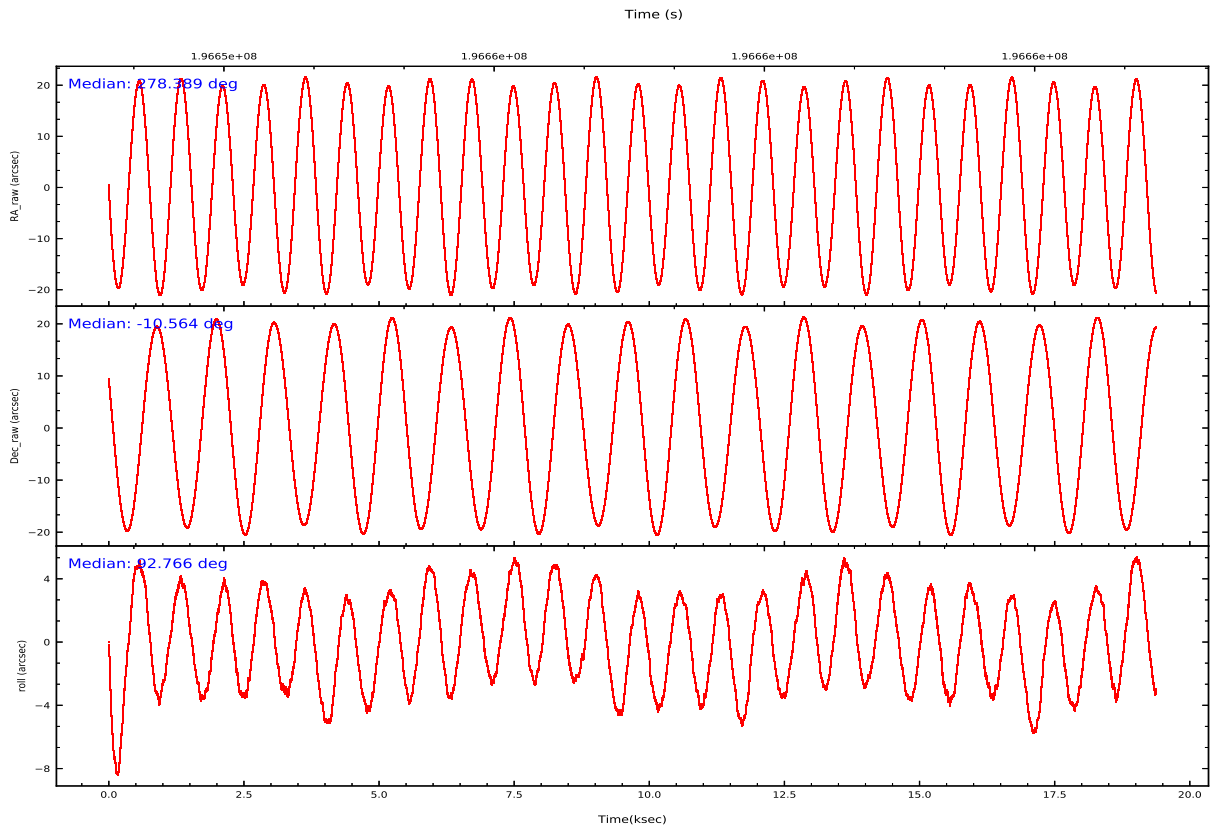
	segment 1	segment 2	segment 3
level 1 events	4	887925	9
rejected events	0	0	0
rejected %	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	278.406431	278.38951786957			
[deg] Pointing Dec	-10.587100	-10.563968055246			
[deg] Pointing Roll	92.703092	92.76565202739999			
[s] Window start time (MET)	194486464.184000	194486464.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[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)	196648049.184000	196647678.11916			
Observation start date	2004-03-26T00:26:25	2004-03-26T00:21:18			
[s] Observation end time (MET)	196667249.184000	196668038.72006			
Observation end date	2004-03-26T05:46:25	2004-03-26T06:00:38			

2.3 Aspect





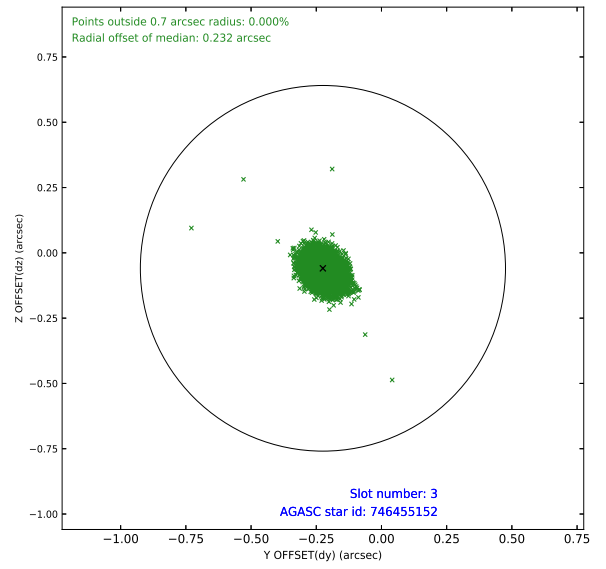
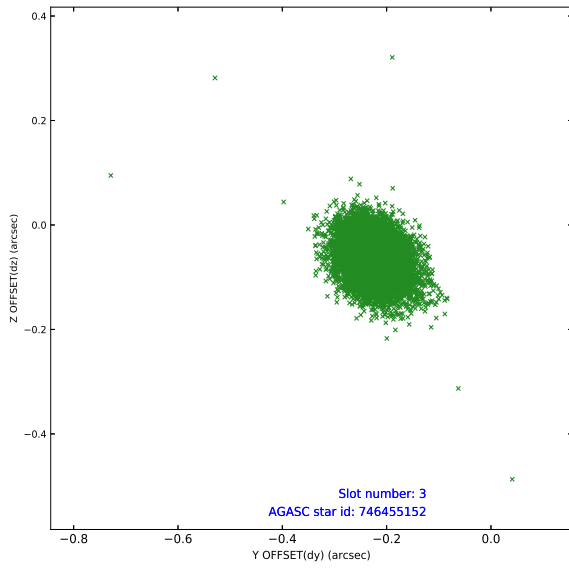
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	UNUSED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
1	UNUSED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
2	UNUSED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
3	GUIDE	used	746455152	7.83	9453	1.000	-0.224	-0.059	0.052	0.090	278.447893	-9.976732	2188.36	-250
4	GUIDE	used	746460272	8.94	9447	1.000	-0.108	0.013	0.070	0.113	278.847488	-10.152127	1490.25	-1634
5	GUIDE	used	746461728	9.76	9443	1.000	0.033	0.064	0.123	0.202	278.986921	-10.530755	104.75	-2061
6	GUIDE	used	746462392	8.53	9452	1.000	0.133	0.125	0.081	0.132	279.038421	-10.890715	-1199.45	-2180
7	GUIDE	used	746462456	8.38	9451	1.000	0.166	-0.134	0.069	0.109	278.652171	-10.530173	163.52	-878

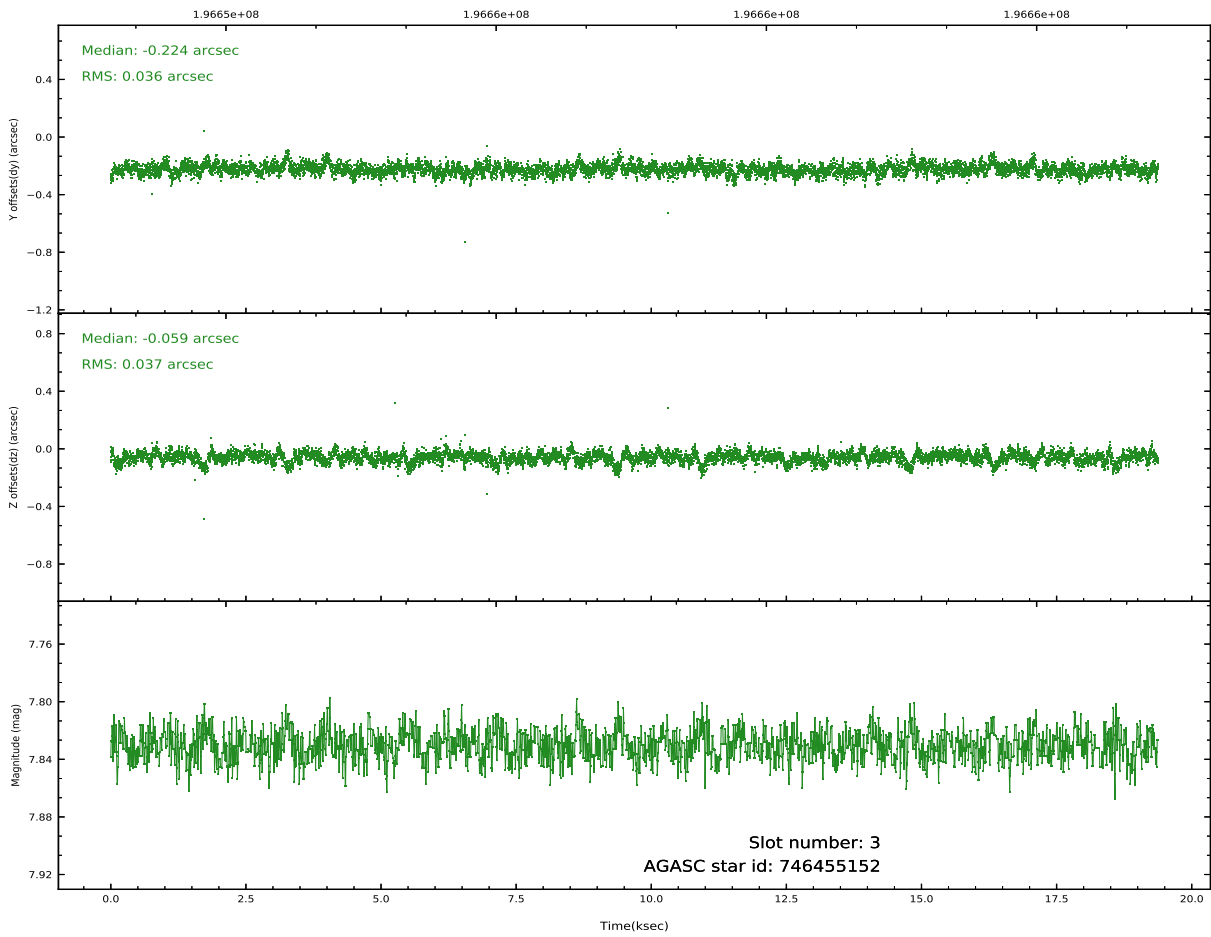
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2.4 Star Slots

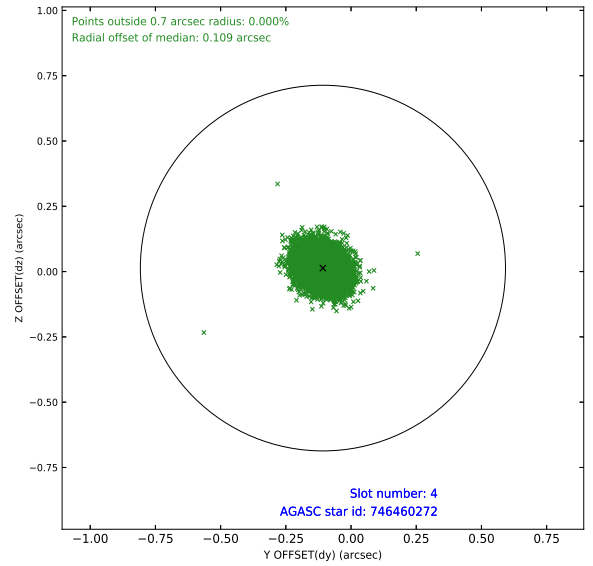
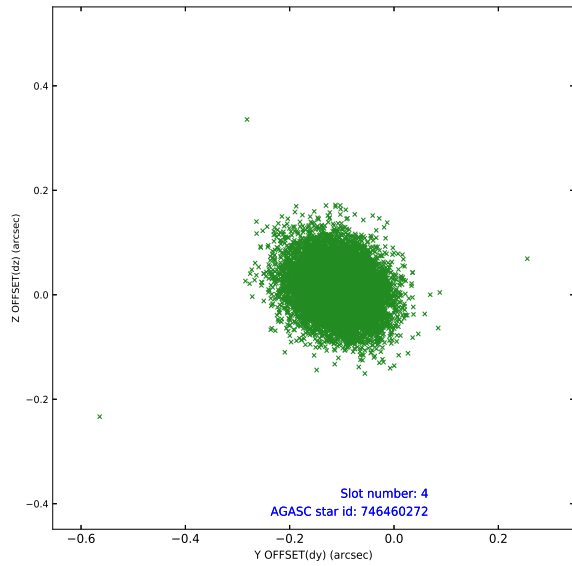
2.4.1 Slot 3



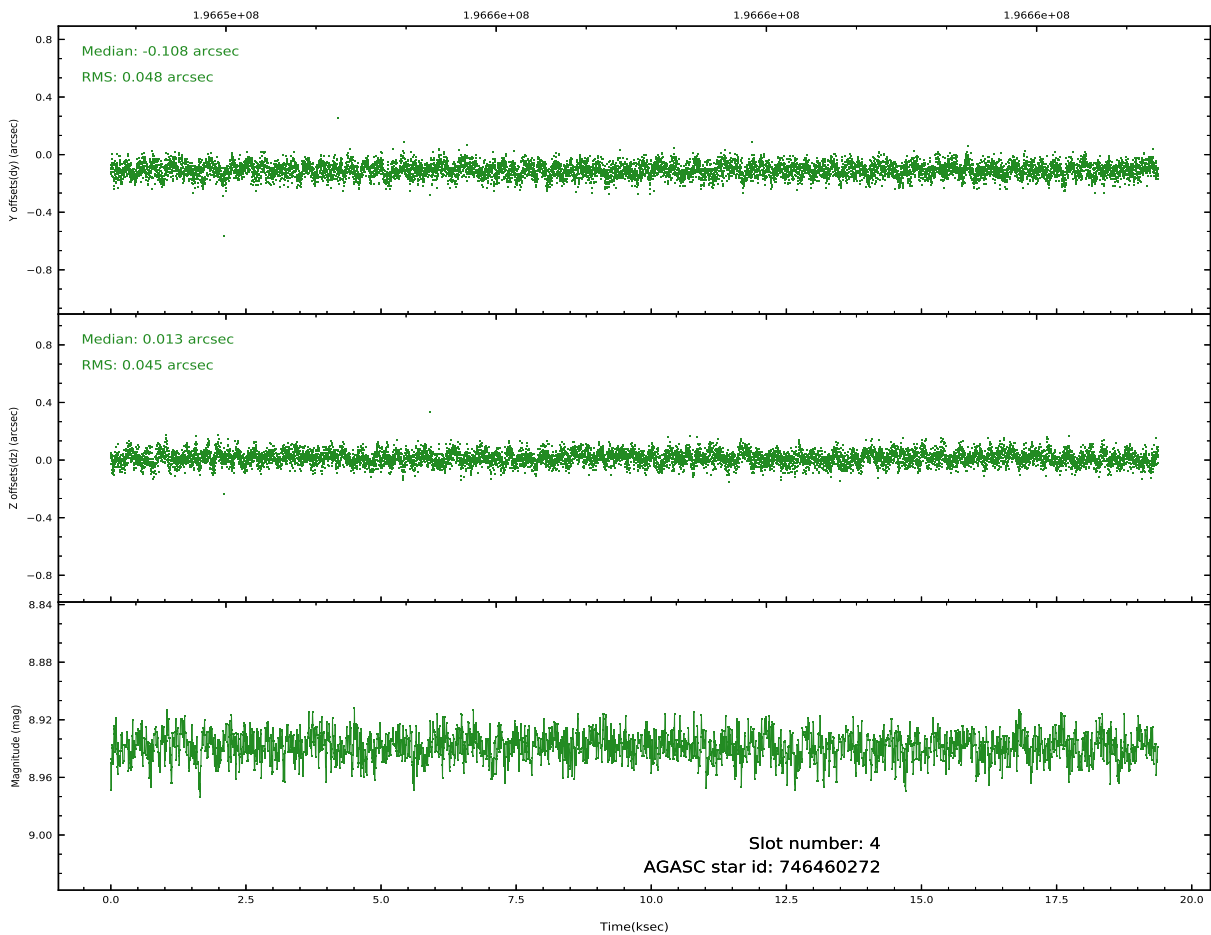
Time (s)



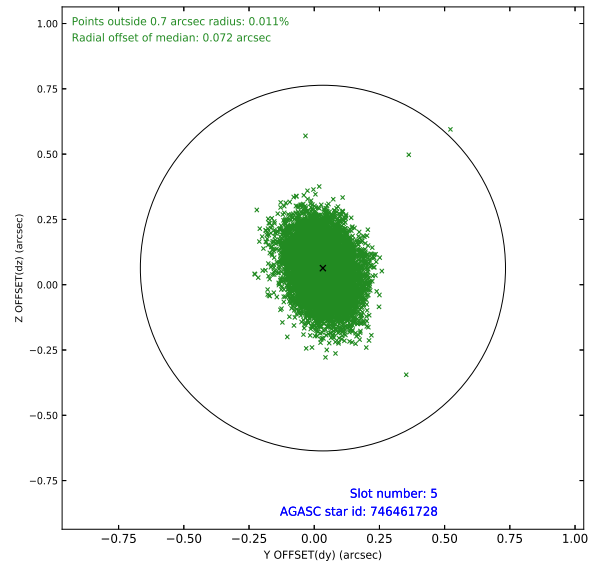
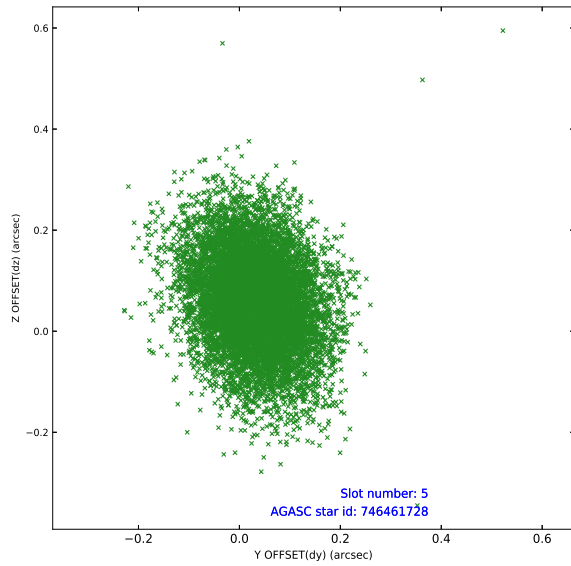
2.4.2 Slot 4



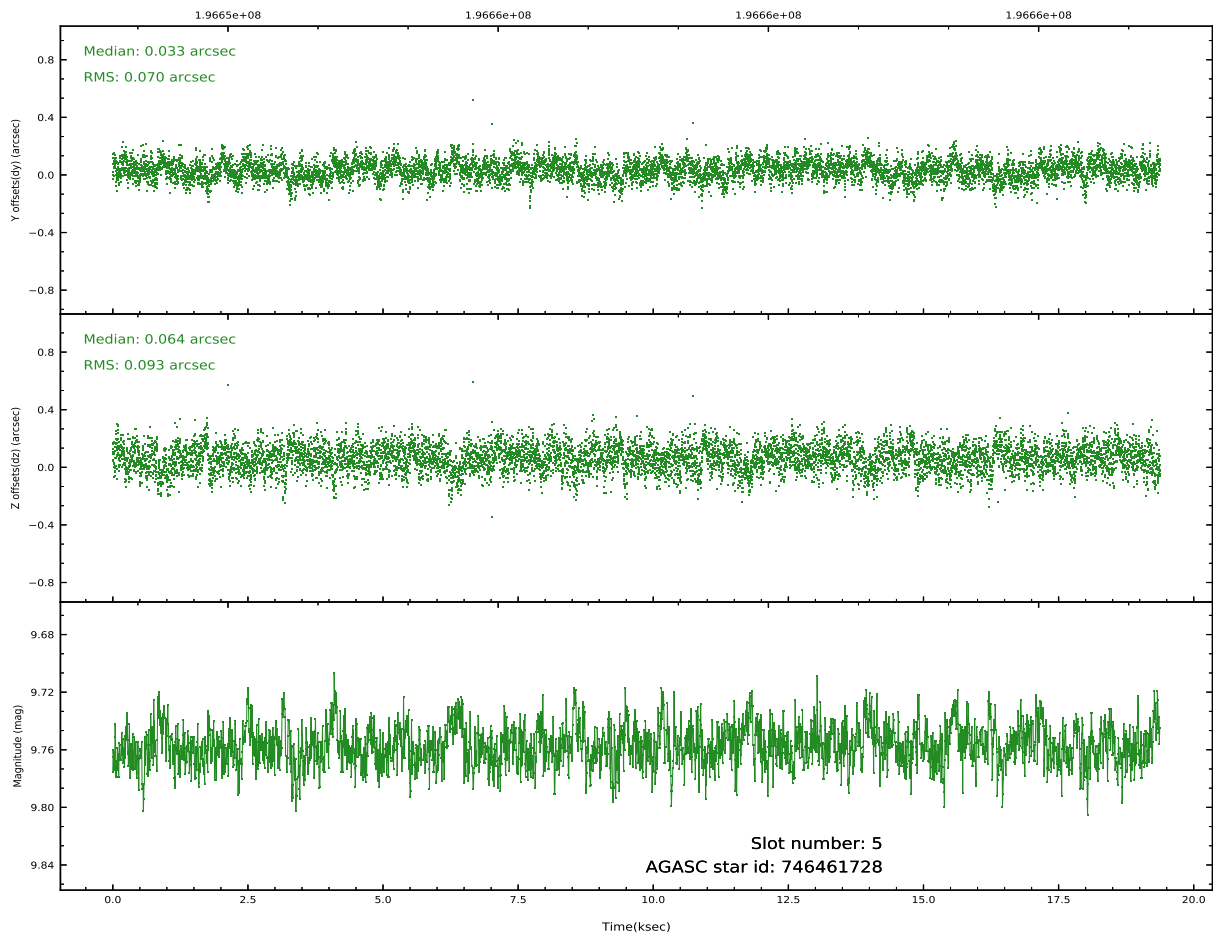
Time (s)



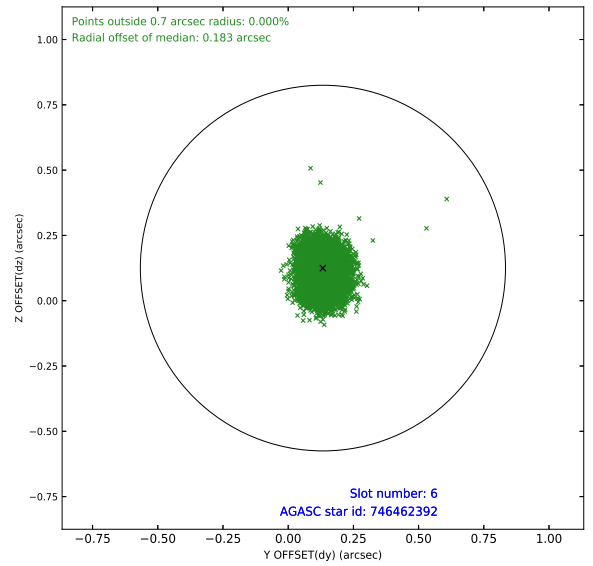
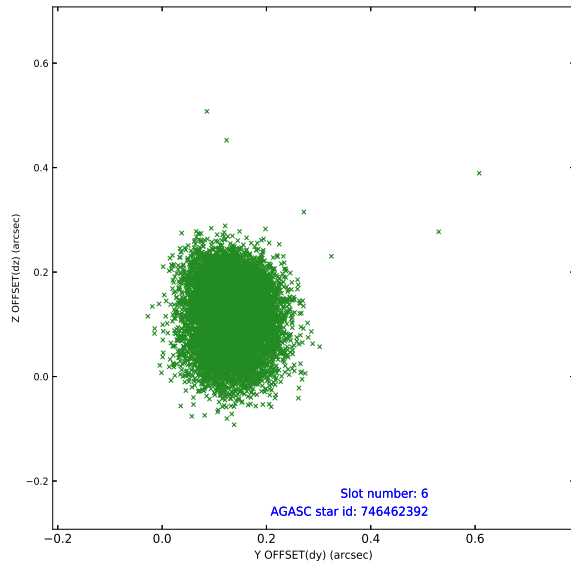
2.4.3 Slot 5



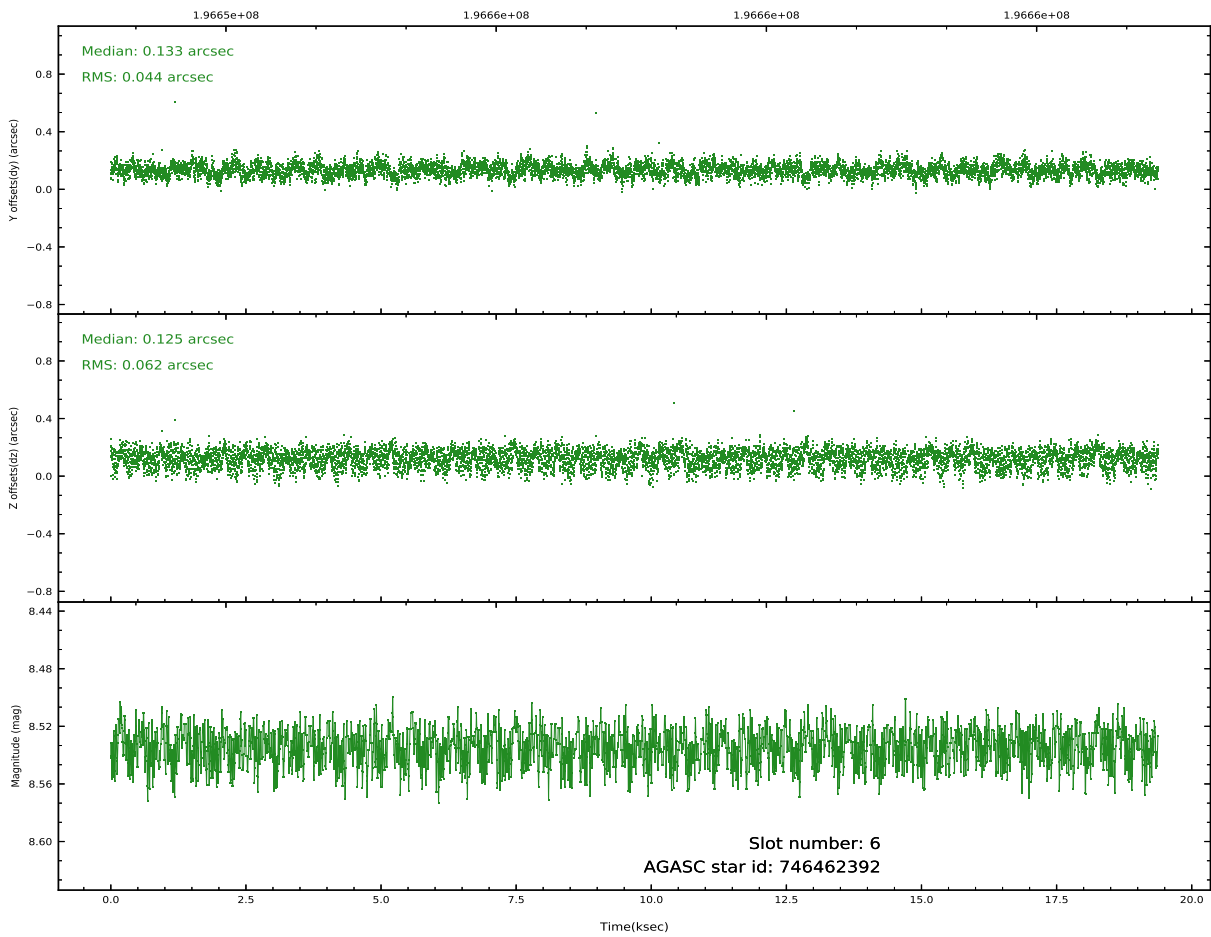
Time (s)



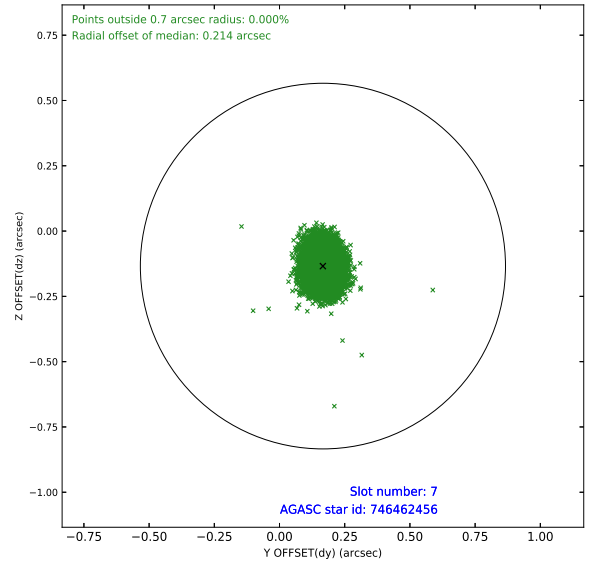
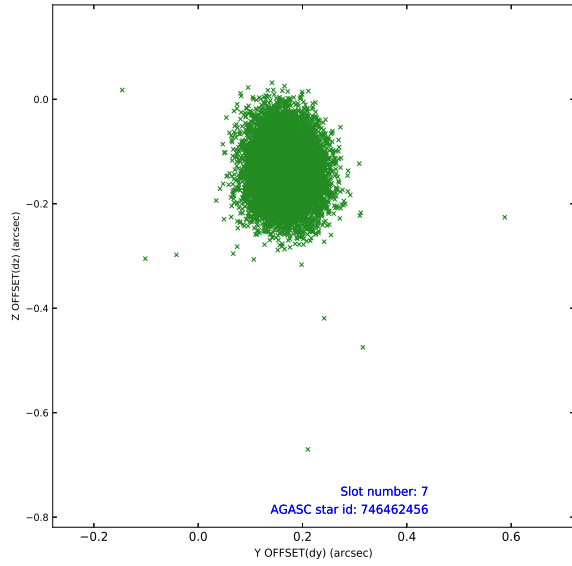
2.4.4 Slot 6



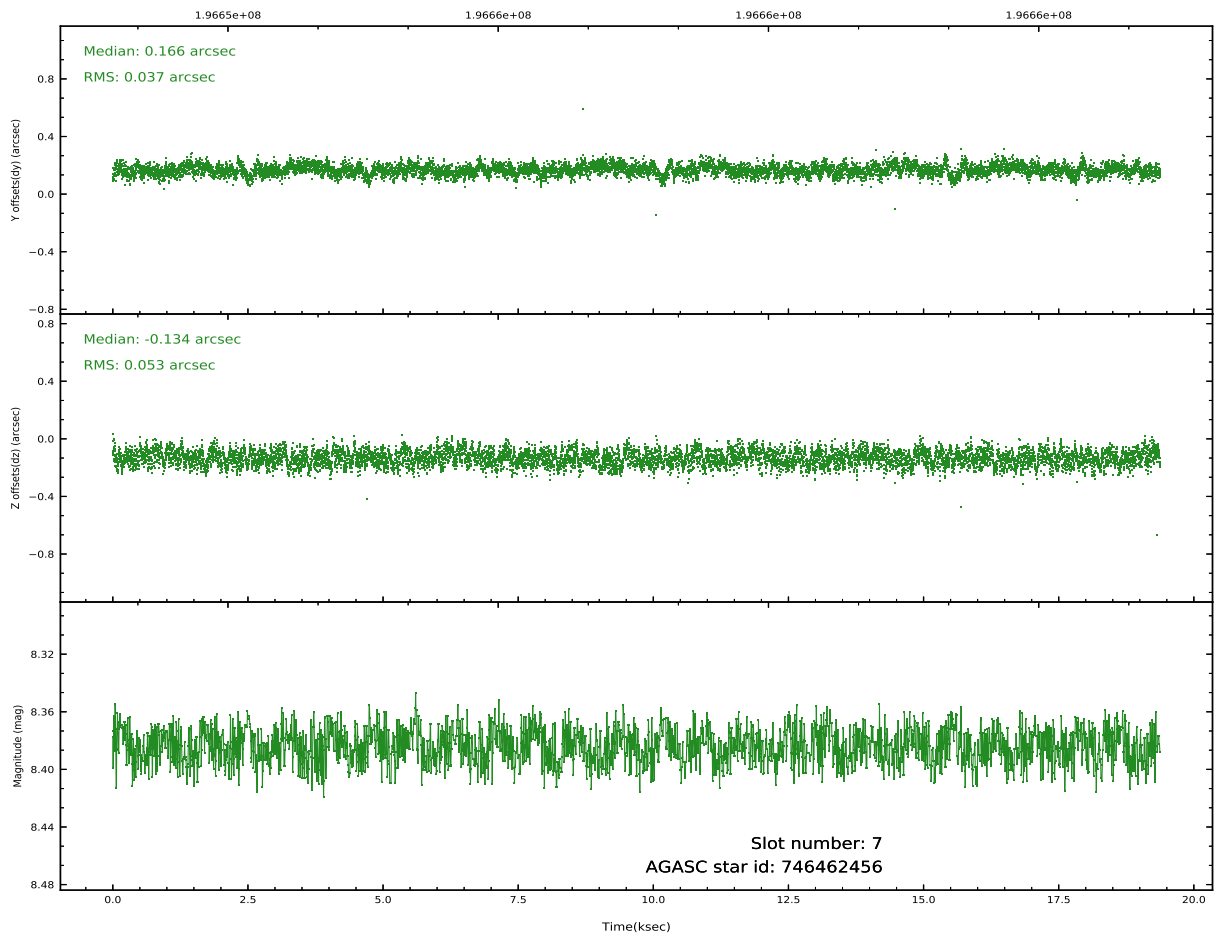
Time (s)



2.4.5 Slot 7



Time (s)



2.5 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.377626

A.2 Comments

Window constraint met.

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Due to a commanding error, the wrong fid lights were used, and thus fid lights have status of 'BAD'. This, in turn, produces L2 evt files with 0 events and no GTIs. The charge time is taken from the L1 ontime instead.