

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2868 - L2 Version 3
Chandra X-Ray Center

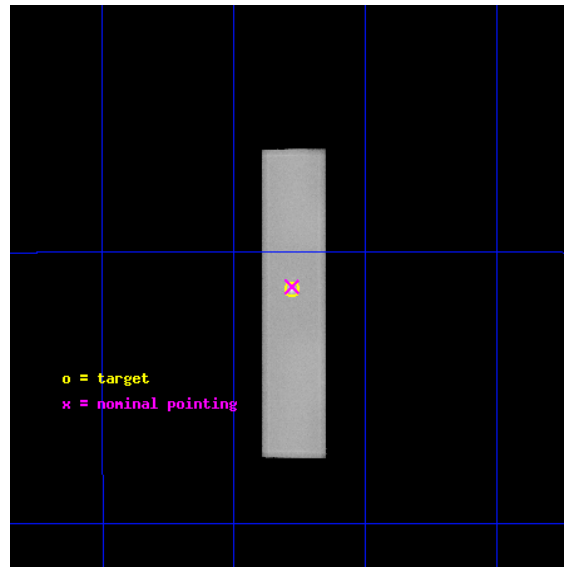
L2 Processing Date : Oct 4 2012

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1 Front

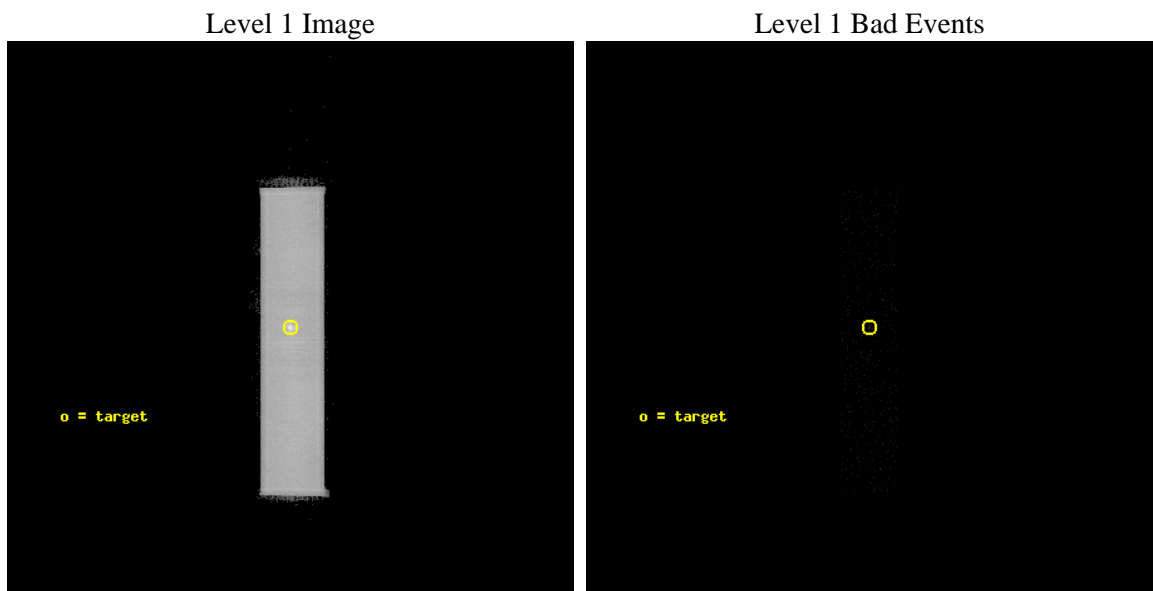
seq_num	590257	Sequence number
obs_id	2868	Observation id
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [HRC-S, Offsets=0,0,0]	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.38972602364	Nominal RA [deg]
dec_nom	-10.563782790902	Nominal Dec [deg]
roll_nom	89.838965050914	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19043.732021138	[s]
livetime	18914.11896173	Ontime multiplied by DTCOR
l2events	841992	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	8.4.5	Processing system revision	ontime	19043.732021138	[s]
caldsver	4.5.2	 	l1events	1017484	Number of level 1 events
date	2012-10-04T11:26:59	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

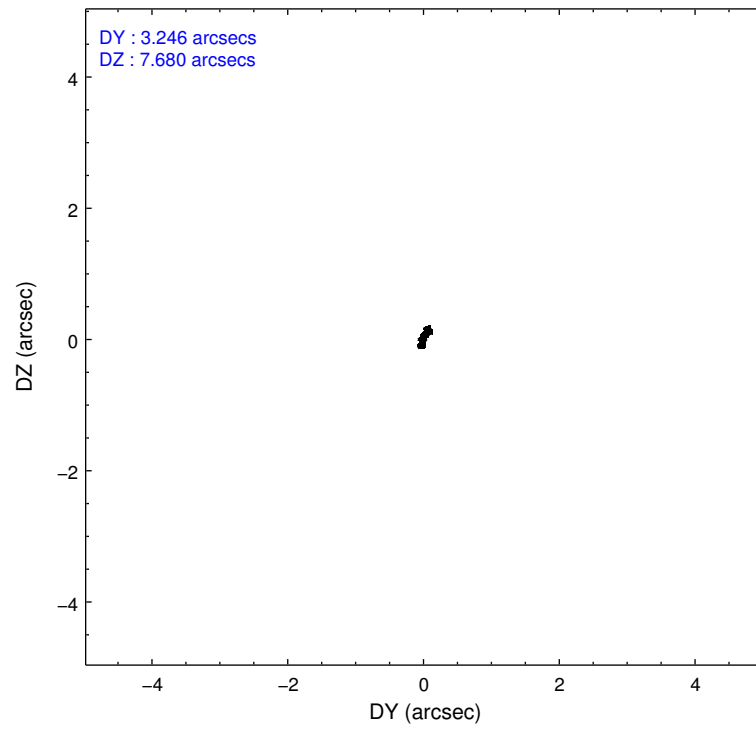
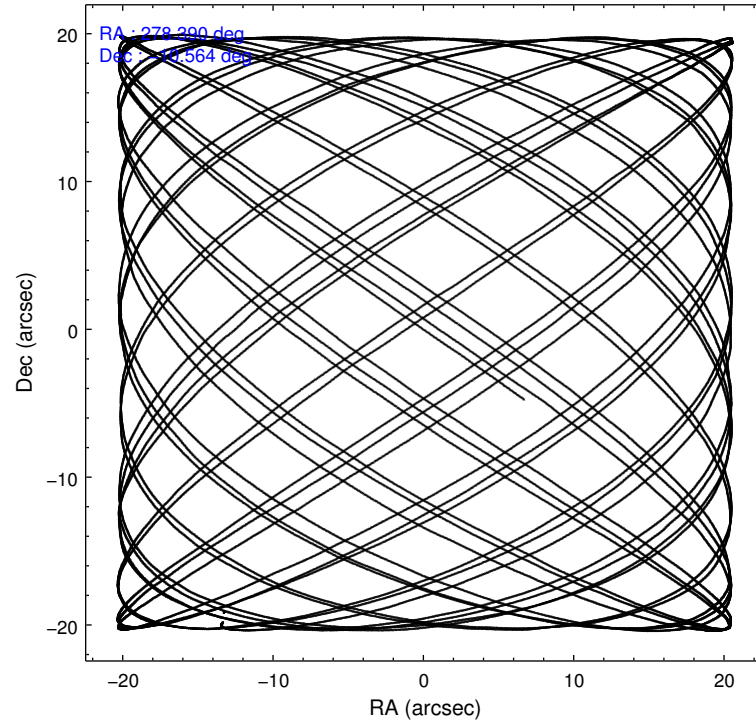
Level 1 Events

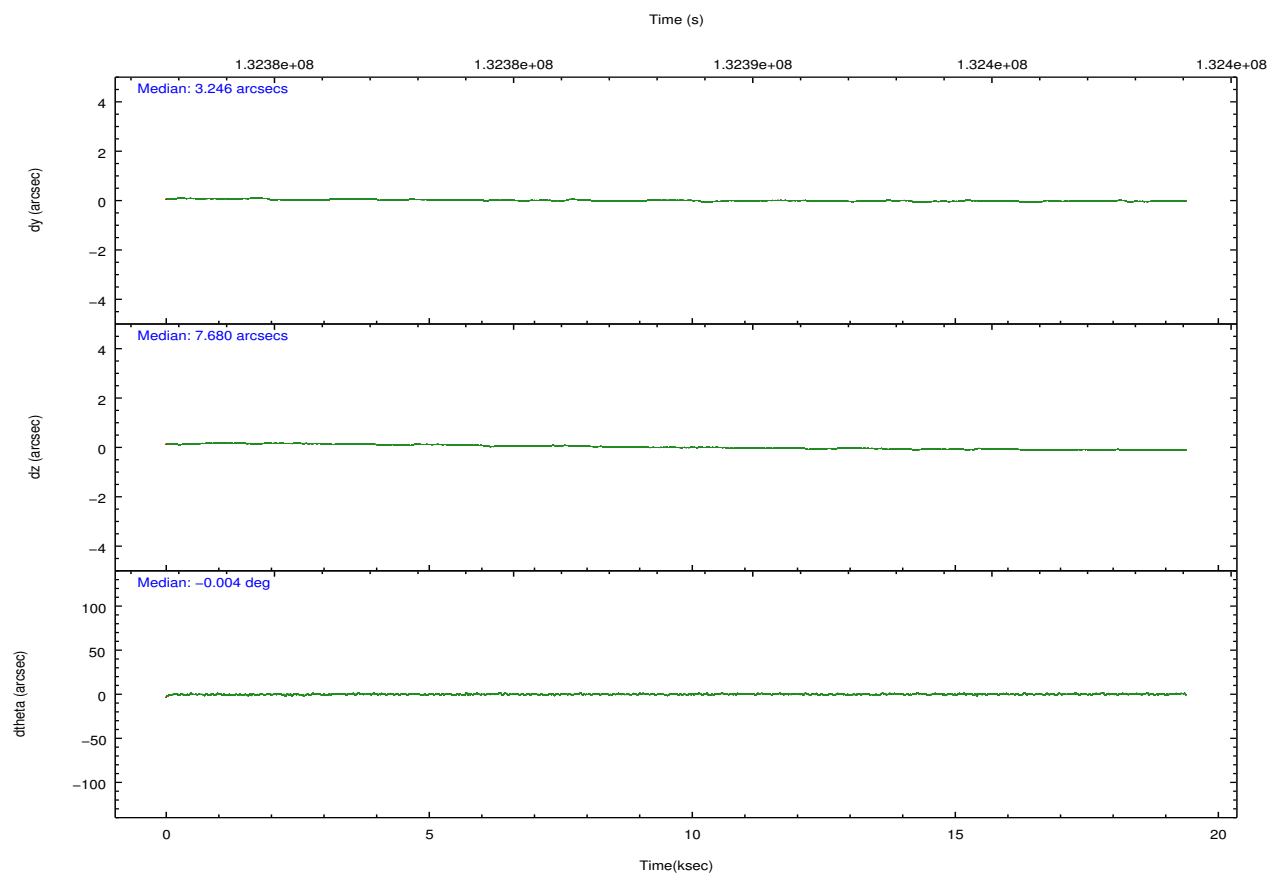
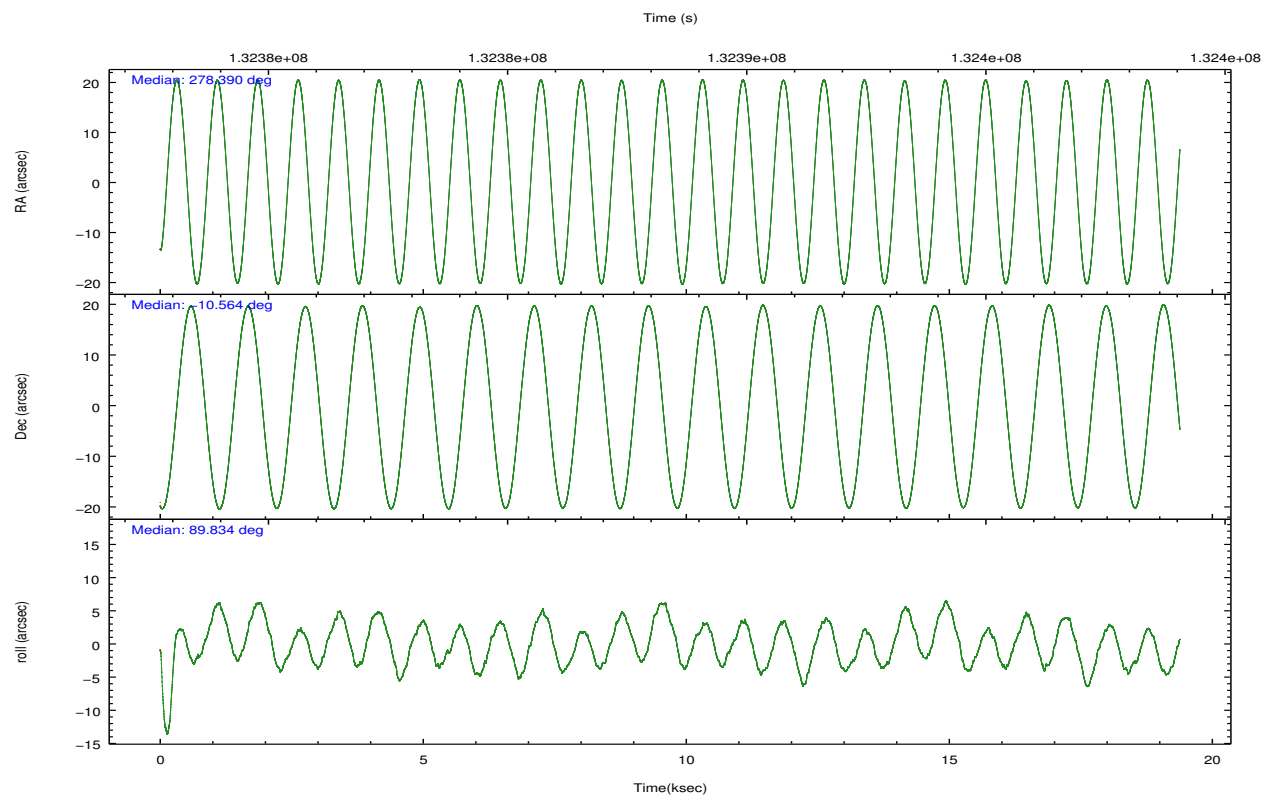
	segment 1	segment 2	segment 3
level 1 events	3	1017473	8
rejected events	3	5047	8
rejected %	100%	0%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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	278.405438	278.3897260236379			
[deg] Pointing Dec	-10.587920	-10.56378279090151			
[deg] Pointing Roll	89.774508	89.83896505091357			
[s] Window start time (MET)	131328064.184000	131328064.184000			
[s] Window stop time (MET)	133920064.184000	133920064.184000			
[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)	132378888.184000	132378518.49728			
Observation start date	2002-03-13T03:53:44	2002-03-13T03:48:38			
[s] Observation end time (MET)	132398088.184000	132398342.51058			
Observation end date	2002-03-13T09:13:44	2002-03-13T09:19:02			

2.3 Aspect



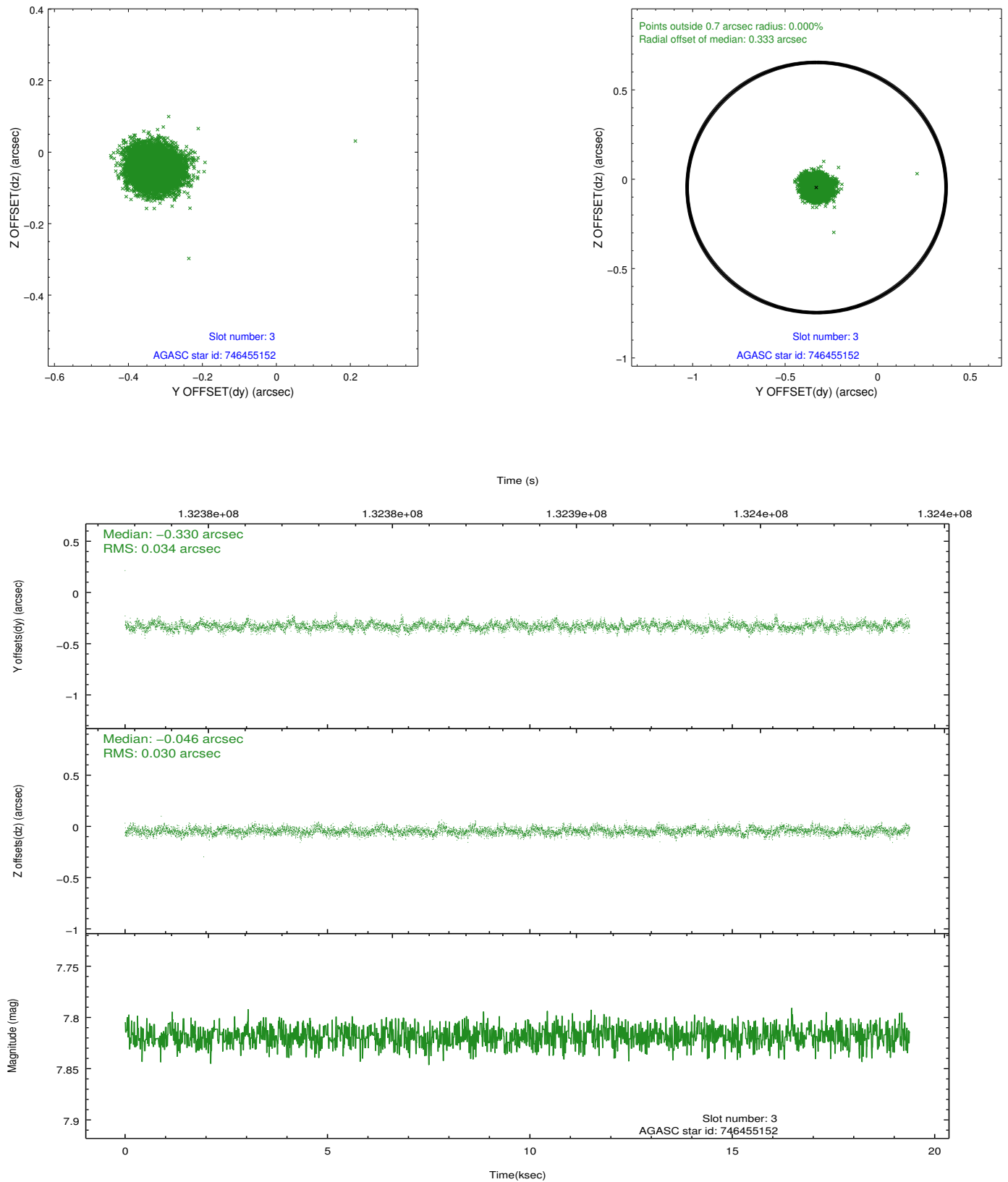


Slot Statistics

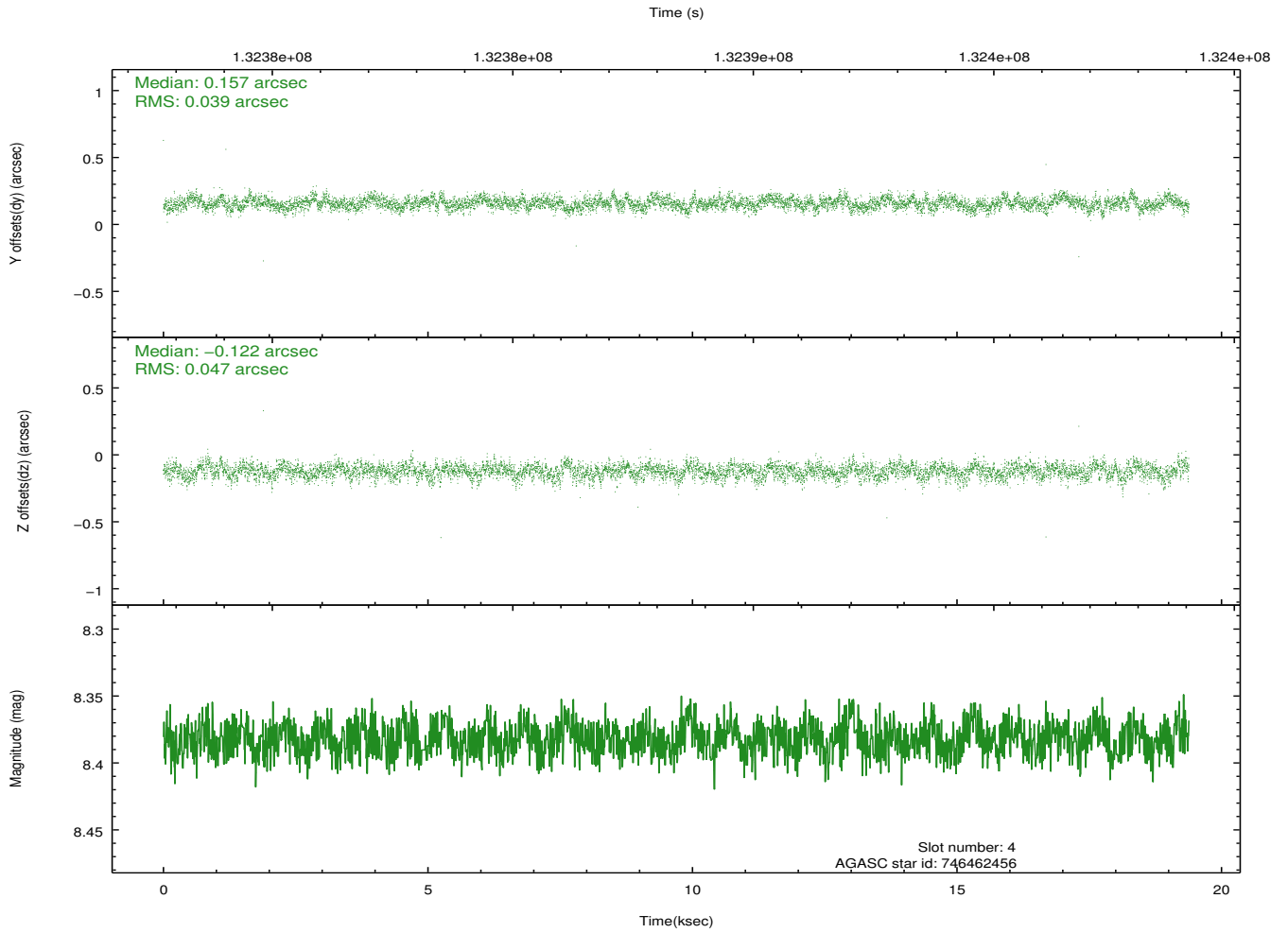
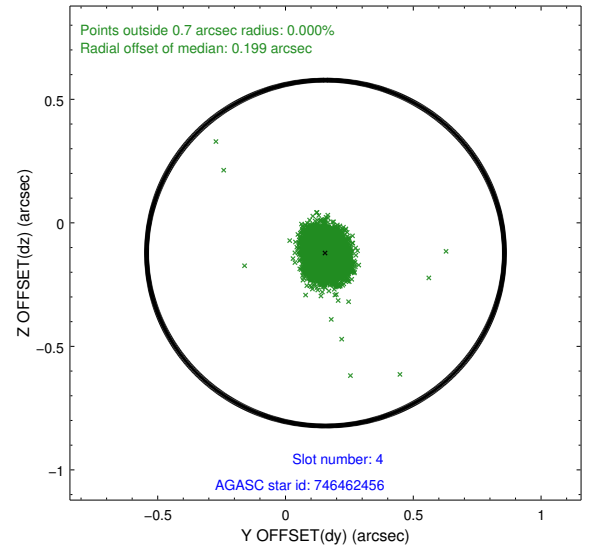
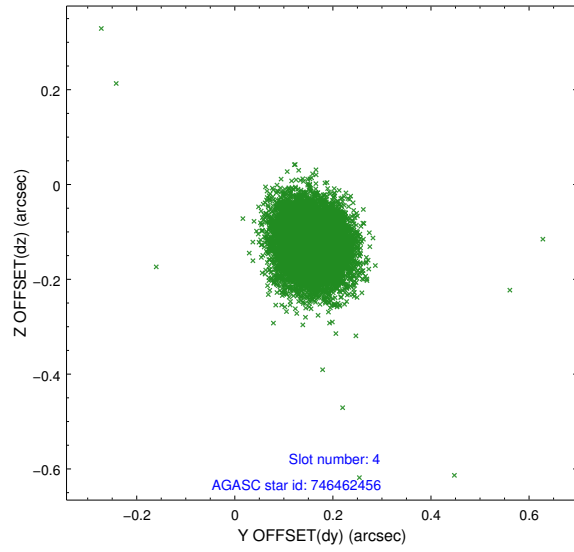
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	4727	0.154	-0.084	0.007	0.011	0.000000	0.000000	-1157.27	-456.24
1	FID	HRC-S-2	6.98	4729	0.077	-0.088	0.005	0.010	0.000000	0.000000	1242.09	-448.95
2	FID	HRC-S-3	7.01	4729	0.159	-0.130	0.007	0.011	0.000000	0.000000	-1159.74	573.15
3	GUIDE	746455152	7.82	9454	-0.330	-0.046	0.048	0.078	278.447893	-9.976732	2200.94	-142.07
4	GUIDE	746462456	8.38	9453	0.157	-0.122	0.063	0.103	278.652171	-10.530173	211.57	-873.00
5	GUIDE	746462392	8.54	9455	0.175	0.121	0.084	0.129	279.038421	-10.890715	-1083.19	-2242.72
6	GUIDE	746455112	8.94	9453	0.149	-0.010	0.080	0.130	278.266531	-10.703234	-416.70	488.95
7	GUIDE	746460272	8.92	9448	-0.150	0.056	0.076	0.123	278.847488	-10.152127	1574.31	-1560.44

2.4 Star Slots

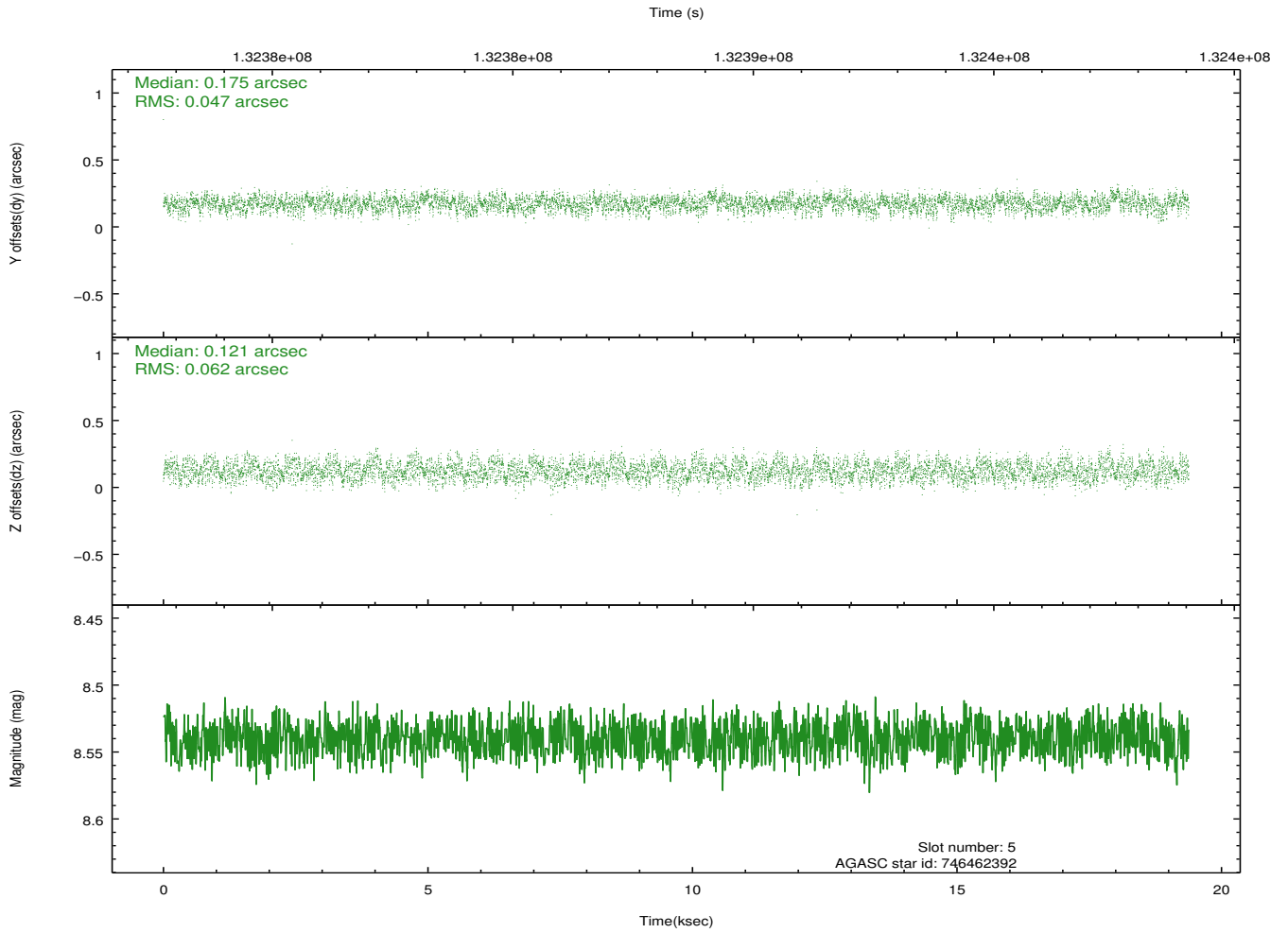
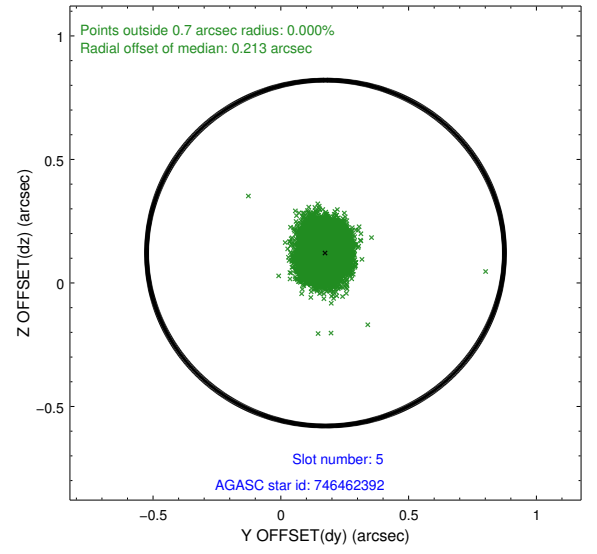
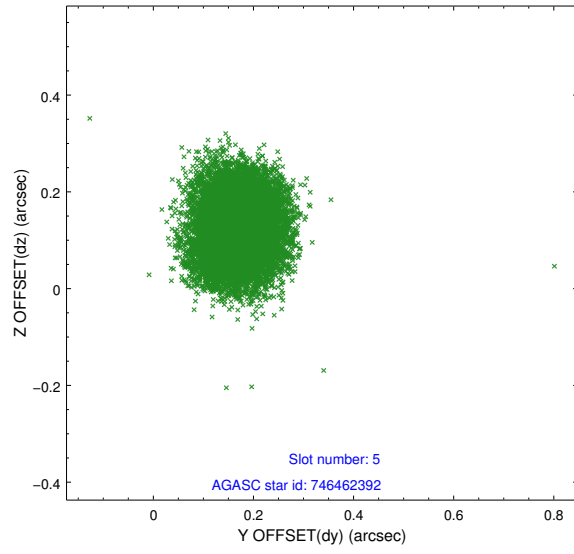
2.4.1 Slot 3



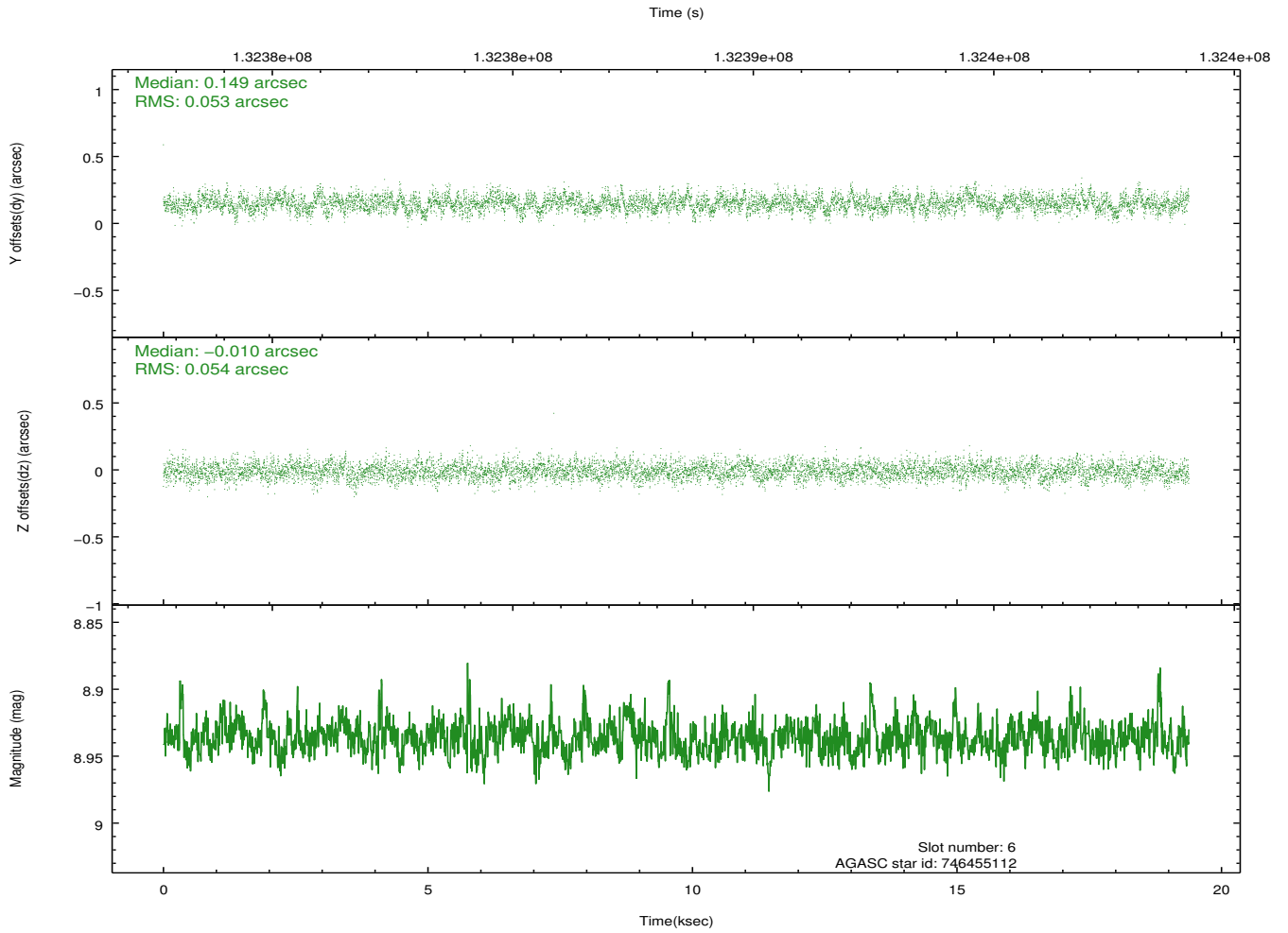
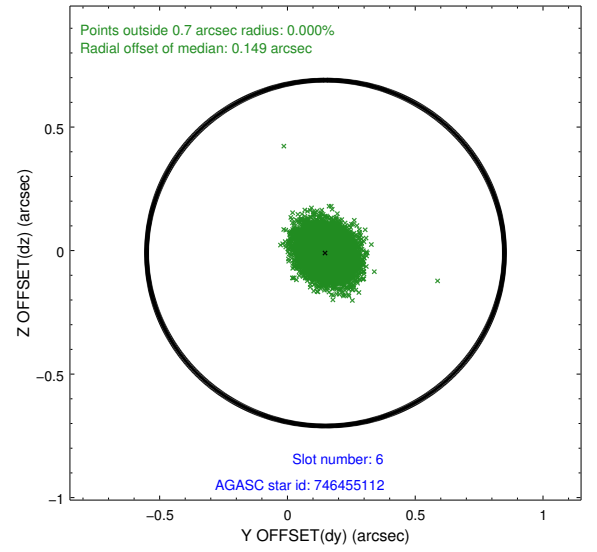
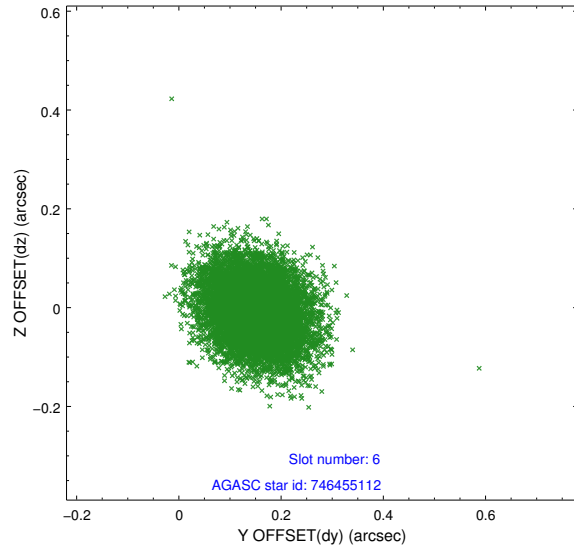
2.4.2 Slot 4



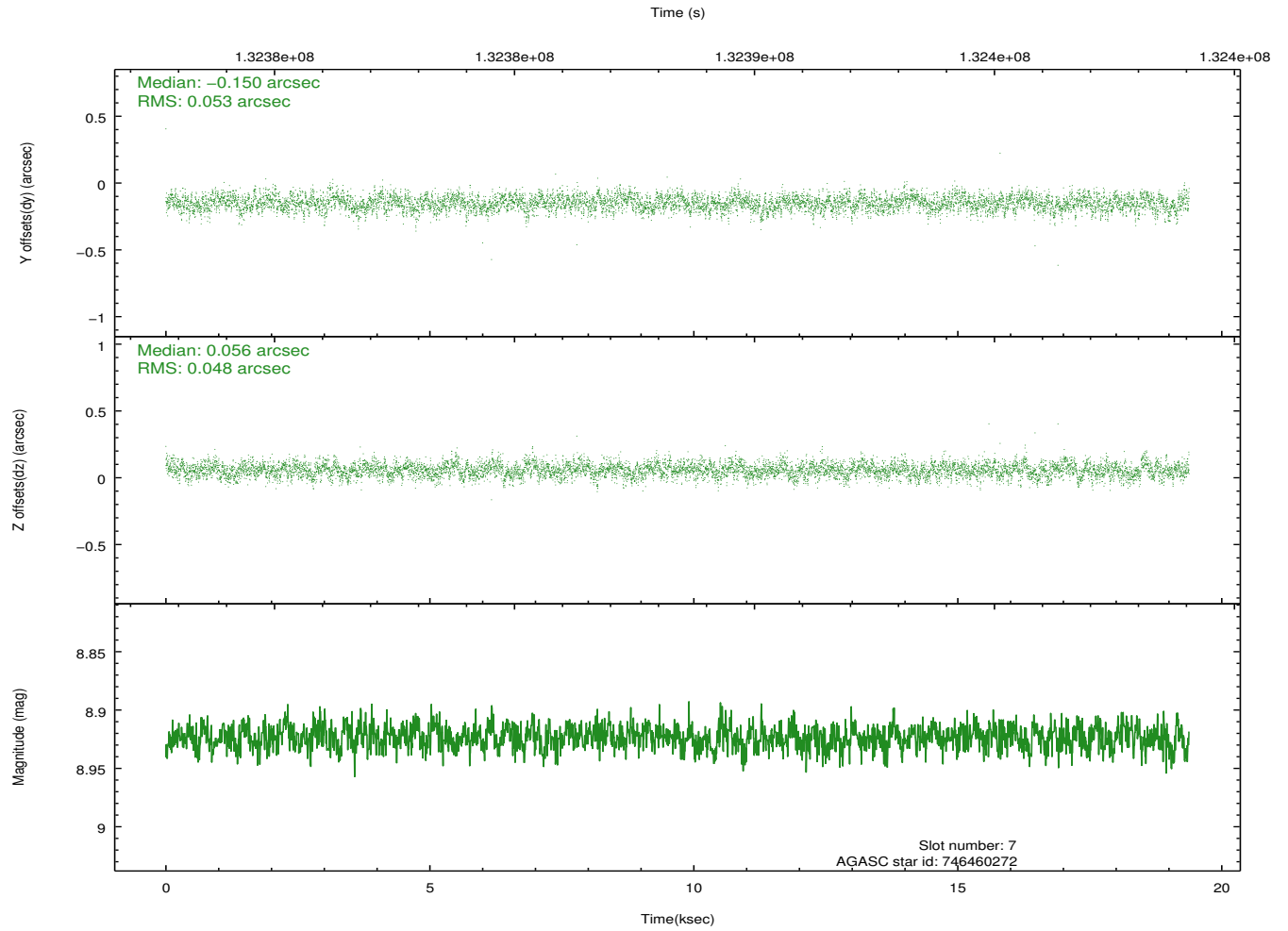
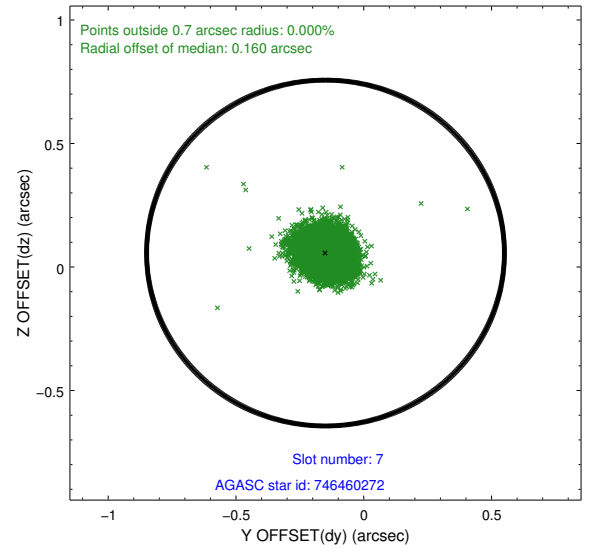
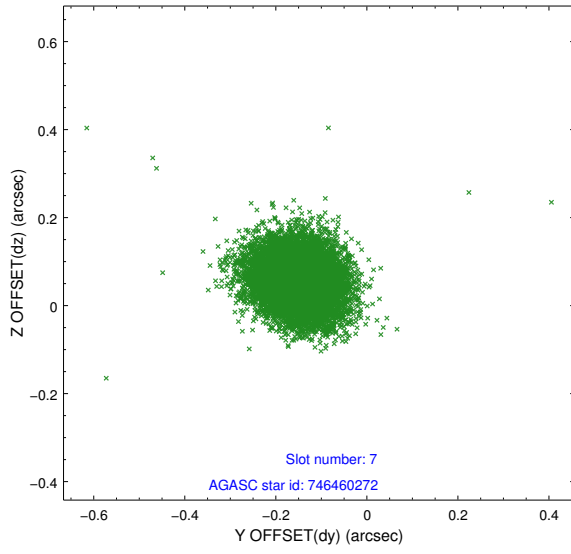
2.4.3 Slot 5



2.4.4 Slot 6

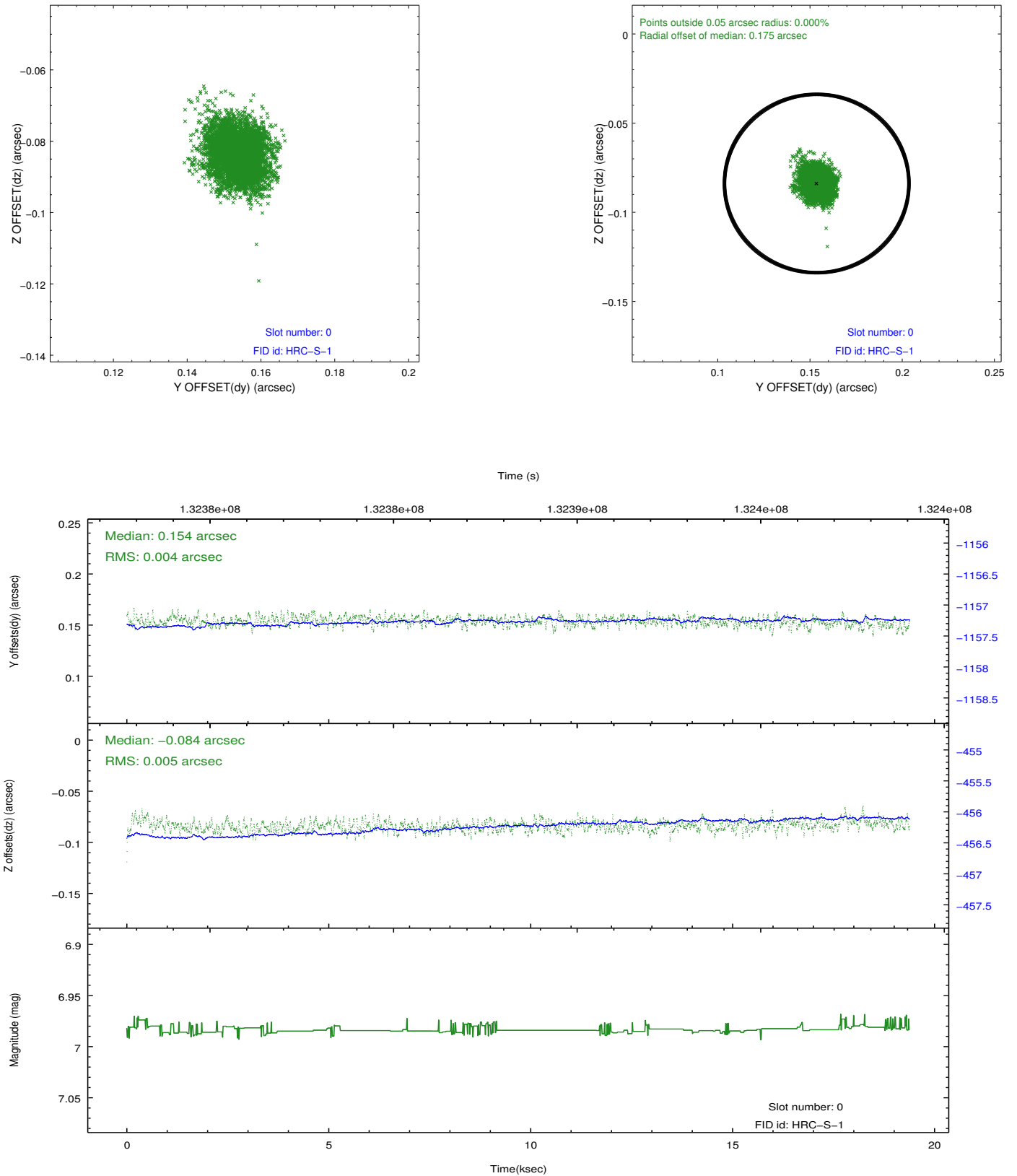


2.4.5 Slot 7

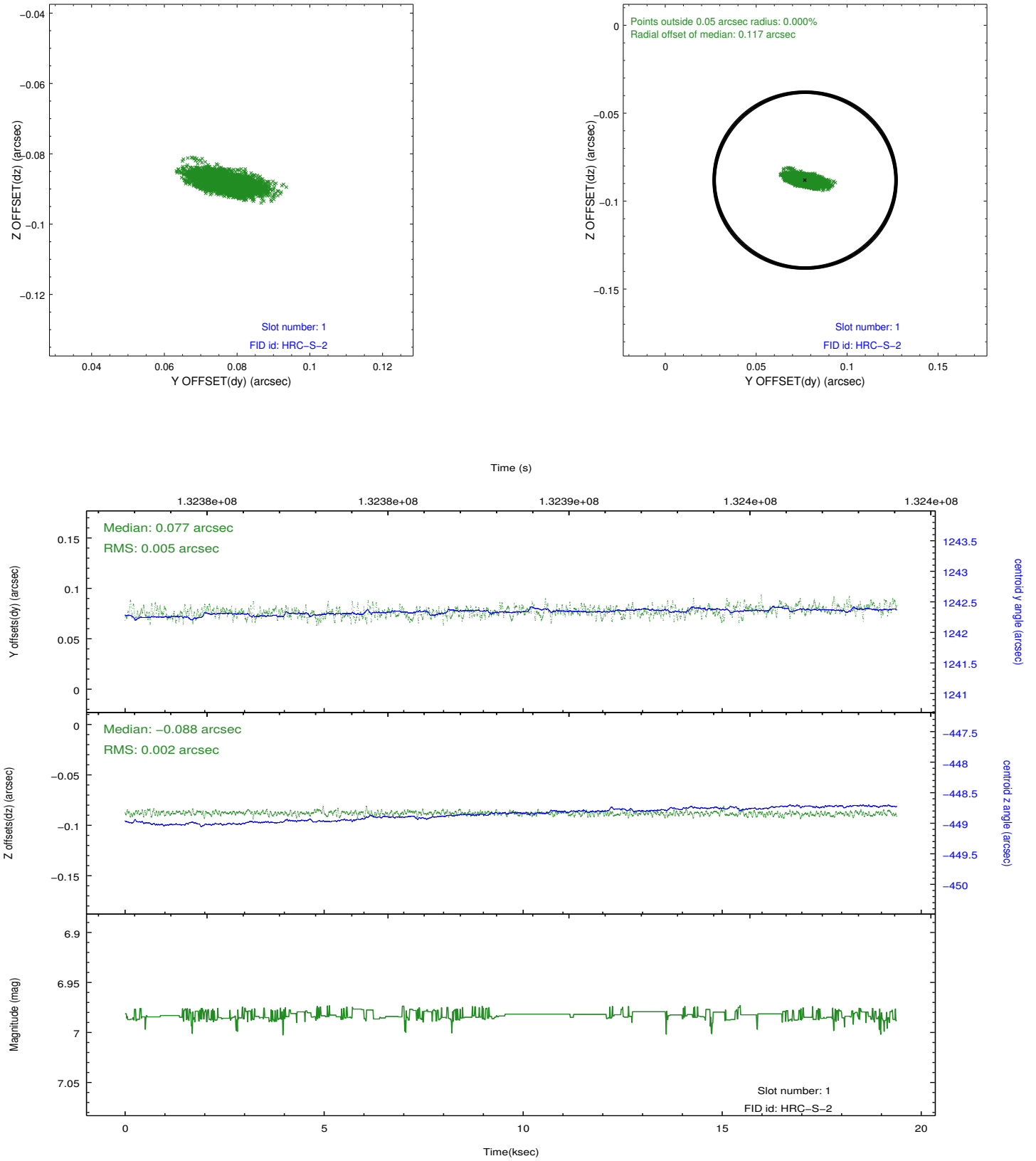


2.5 FID Slots

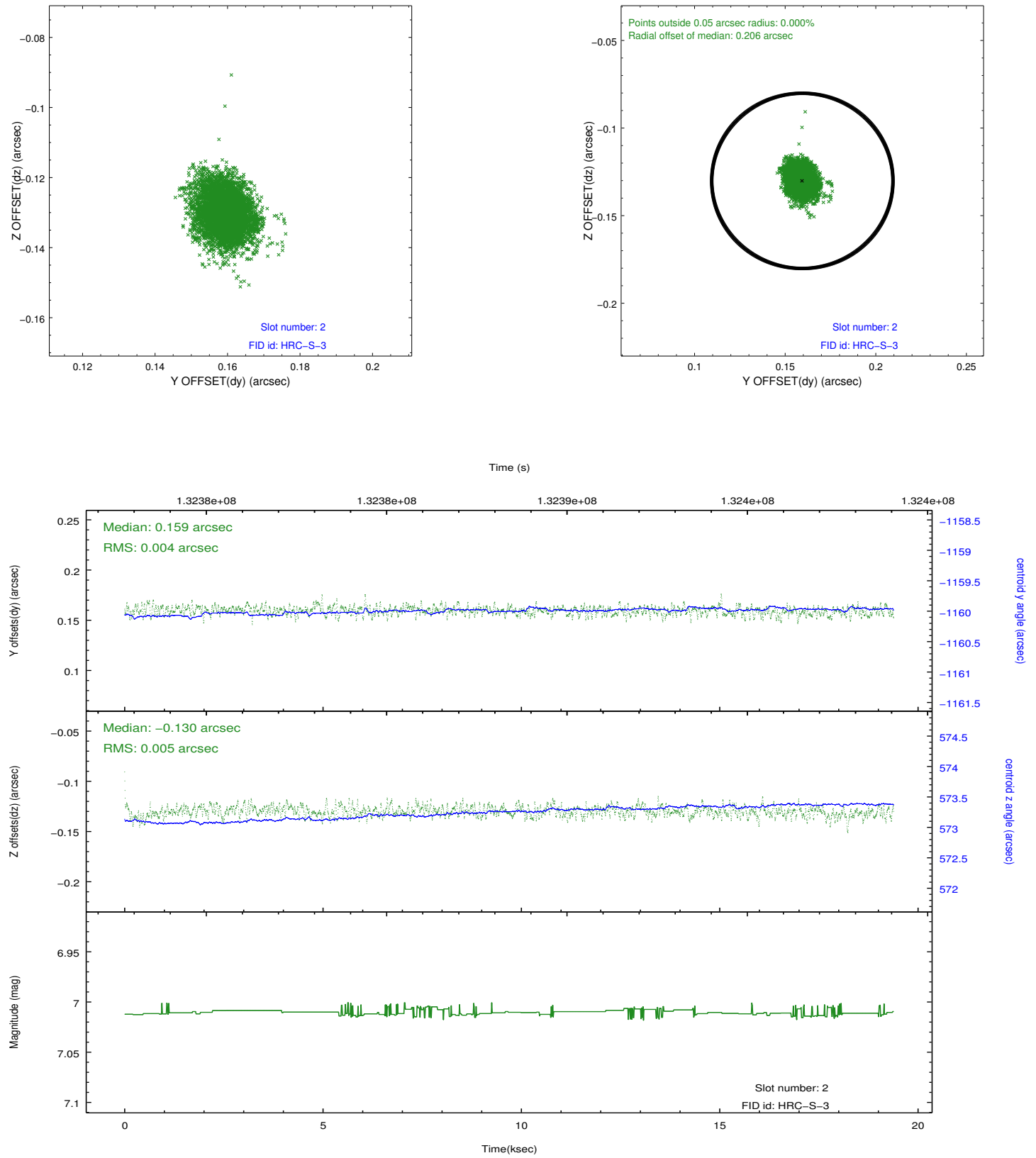
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.043

A.2 Comments

Window preference met.