

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5345 - L2 Version 3
Chandra X-Ray Center

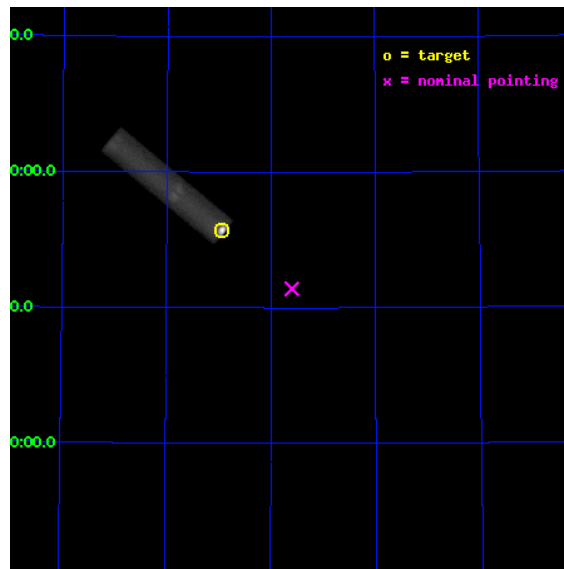
L2 Processing Date : Dec 6 2012

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1 Front

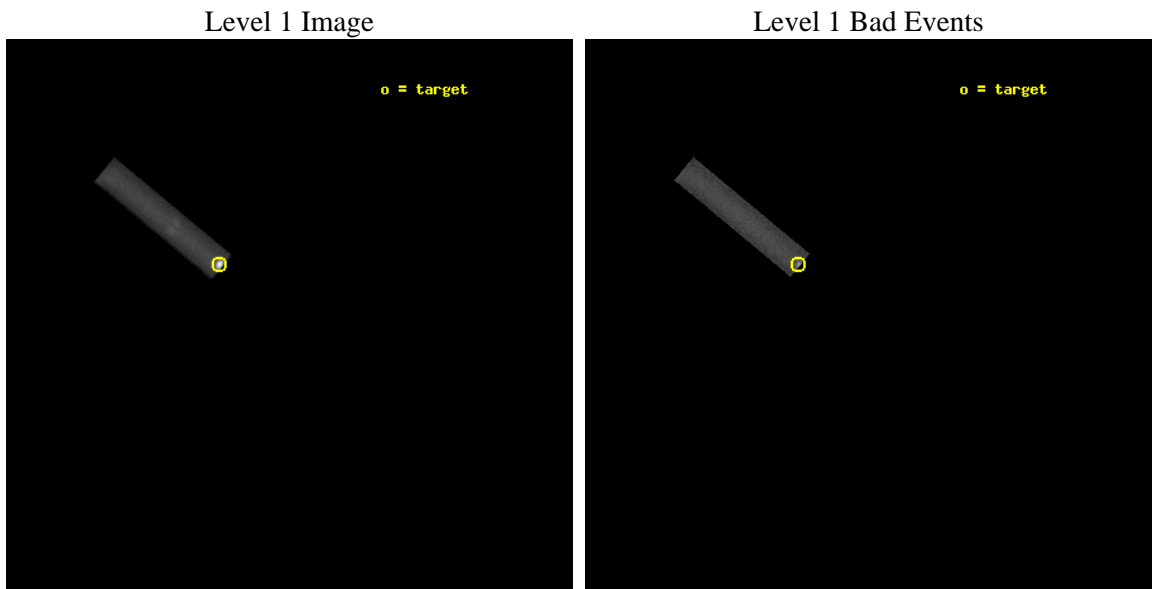
seq_num	290442	Sequence number
obs_id	5345	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.89930243543	Nominal RA [deg]
dec_nom	38.570345607696	Nominal Dec [deg]
roll_nom	219.361816184	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3287.4313961864	[s]
livetime	1094.738848811	Ontime multiplied by DTCOR
l2events	505898	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	3100.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	3287.4313961864	[s]
caldsver	4.5.4	 	l1events	698913	Number of level 1 events
date	2012-12-06T23:04:57	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

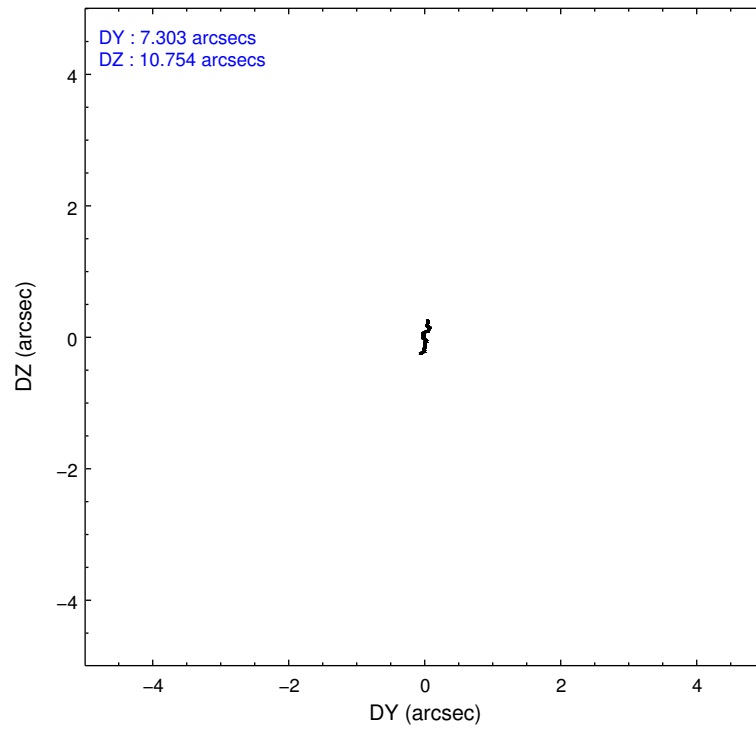
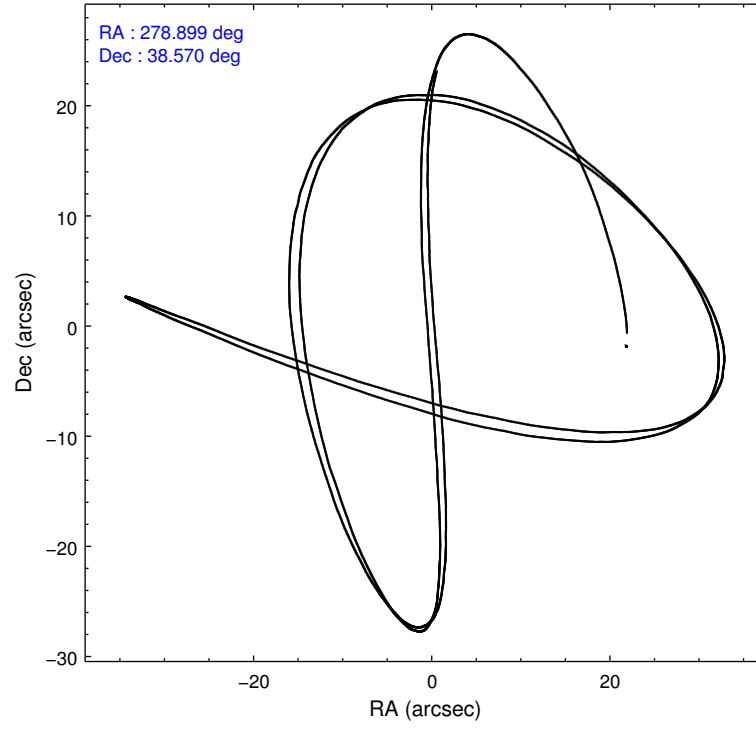
Level 1 Events

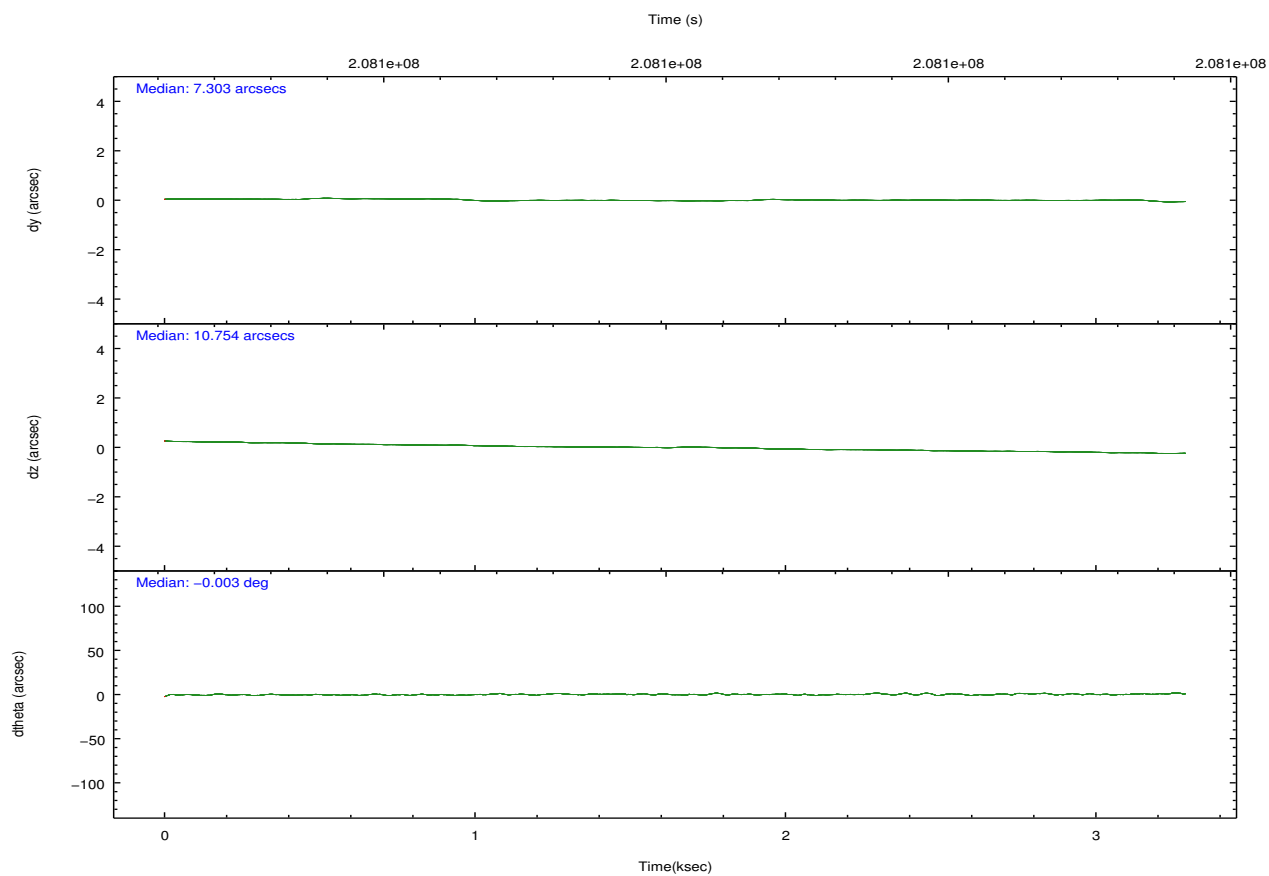
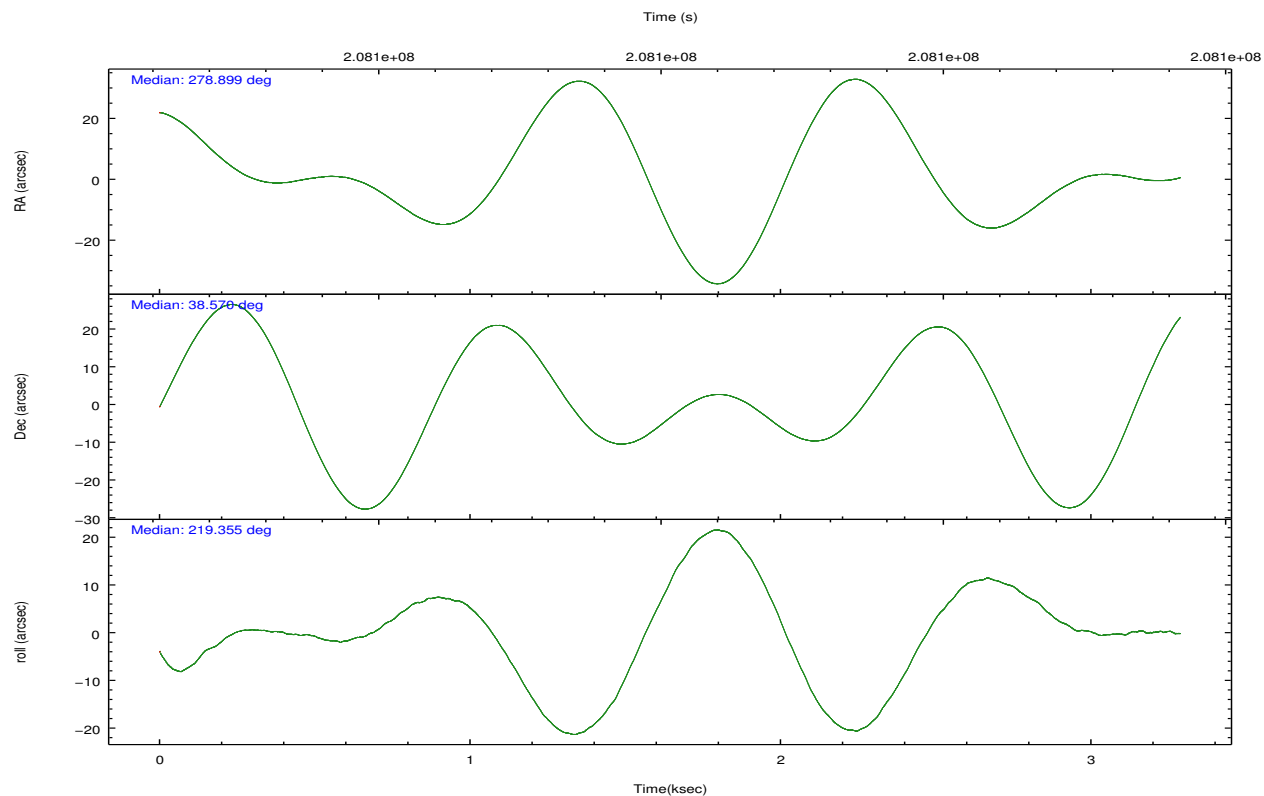
	segment 1	segment 2	segment 3
level 1 events	698857	56	0
rejected events	92691	18	0
rejected %	13%	32%	0%

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	278.910509	278.8993024354266			
[deg] Pointing Dec	38.597522	38.57034560769598			
[deg] Pointing Roll	219.287476	219.361816183999			
[s] Window start time (MET)	207705664.184000	207705664.184000			
[s] Window stop time (MET)	210384004.184000	210384004.184000			
[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)	208100573.184000	208100197.35041			
Observation start date	2004-08-05T13:41:49	2004-08-05T13:36:37			
[s] Observation end time (MET)	208103673.184000	208104413.17559			
Observation end date	2004-08-05T14:33:29	2004-08-05T14:46:53			

2.3 Aspect



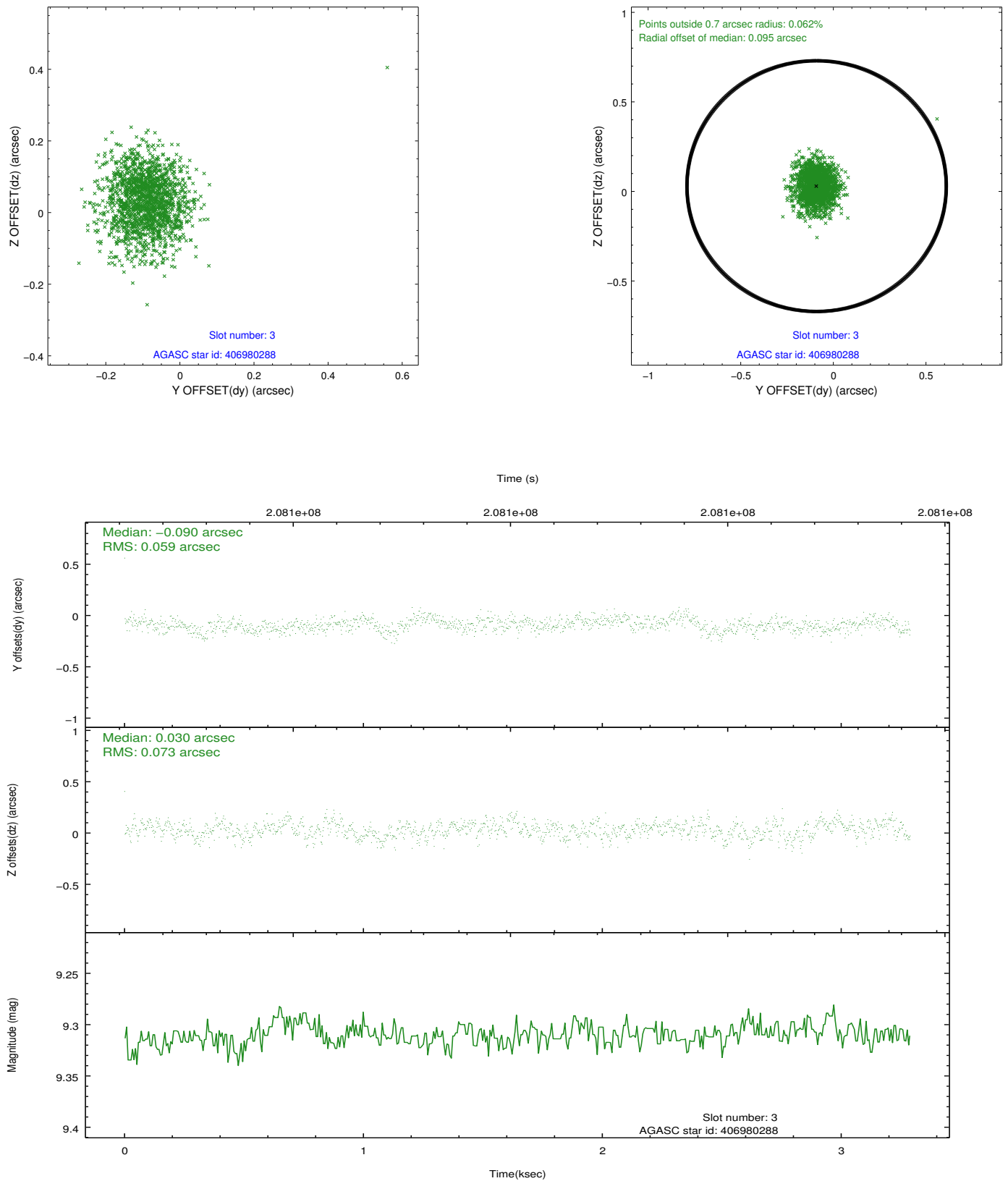


Slot Statistics

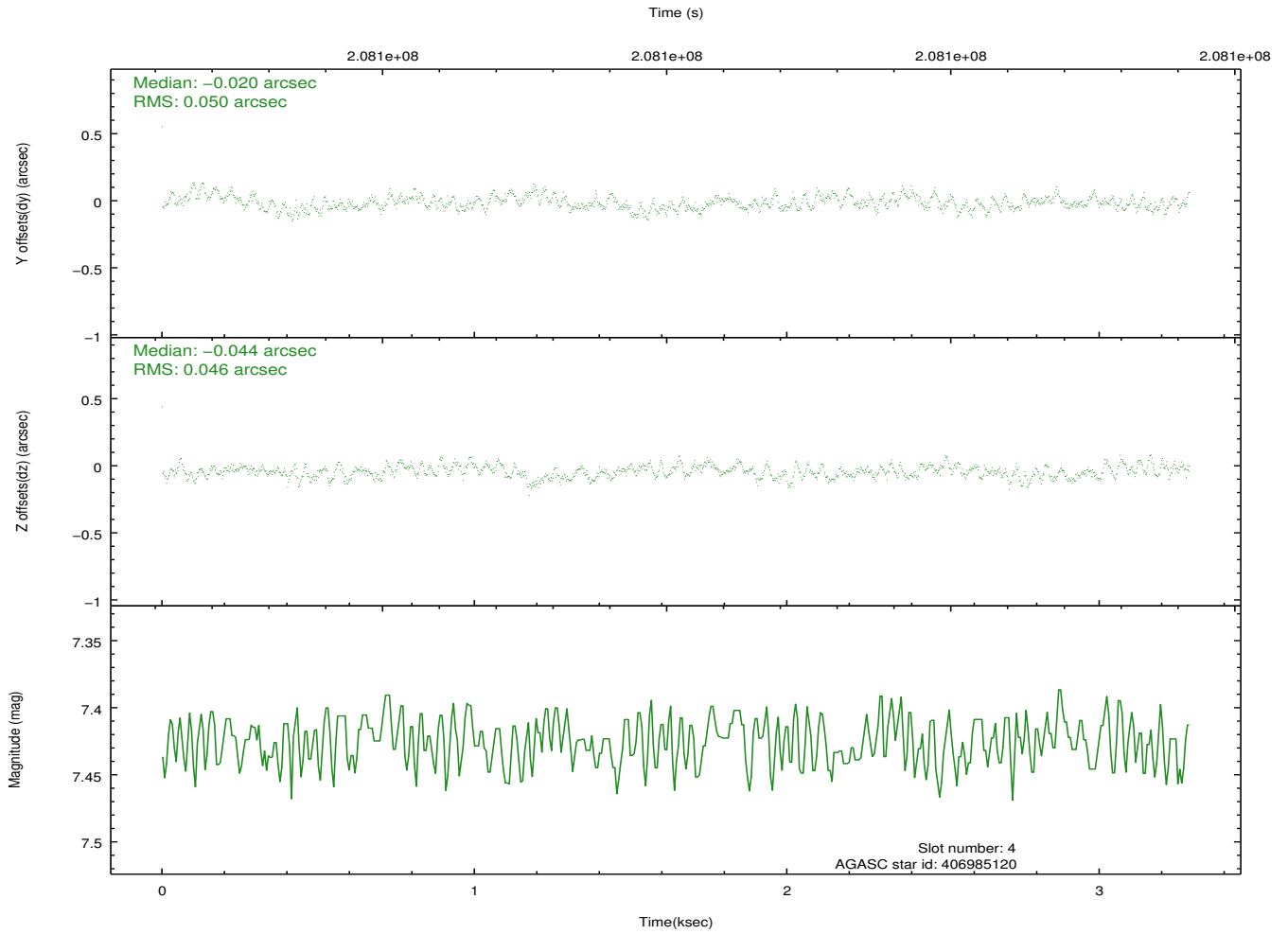
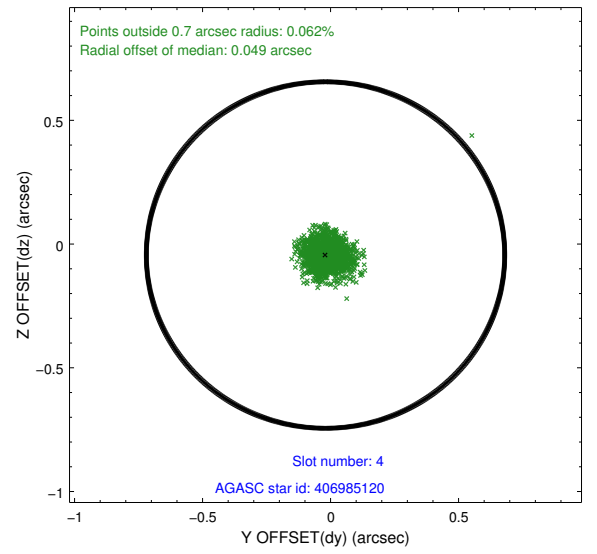
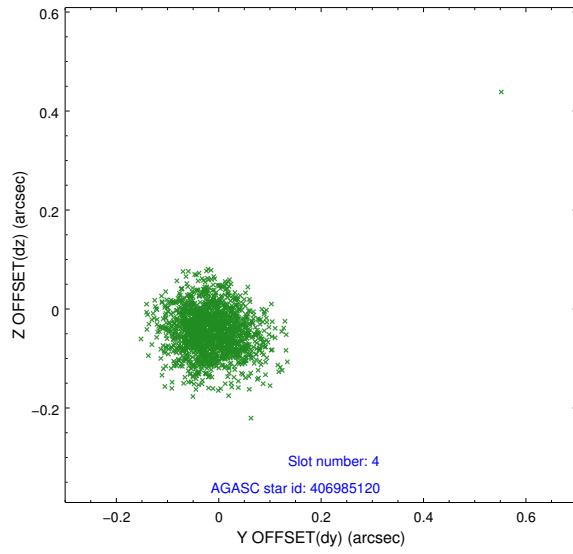
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	803	0.121	-0.172	0.010	0.016	0.000000	0.000000	-1161.47	-459.46
1	FID	HRC-S-2	7.00	803	0.175	-0.116	0.005	0.009	0.000000	0.000000	1236.81	-452.62
2	FID	HRC-S-3	7.02	803	0.094	-0.014	0.010	0.016	0.000000	0.000000	-1162.68	569.66
3	GUIDE	406980288	9.31	1604	-0.090	0.030	0.099	0.162	278.903147	39.061646	-1042.84	-1306.37
4	GUIDE	406985120	7.42	1604	-0.020	-0.044	0.070	0.115	278.839732	38.894839	-524.41	-954.62
5	GUIDE	406987384	8.95	1604	0.030	-0.073	0.079	0.129	278.815518	38.115336	1307.35	1172.91
6	GUIDE	406990192	8.99	1601	0.138	0.066	0.073	0.125	278.510952	38.533654	1016.35	-535.18
7	GUIDE	406993992	7.62	1603	-0.059	0.029	0.071	0.116	279.053714	38.034587	969.50	1825.77

2.4 Star Slots

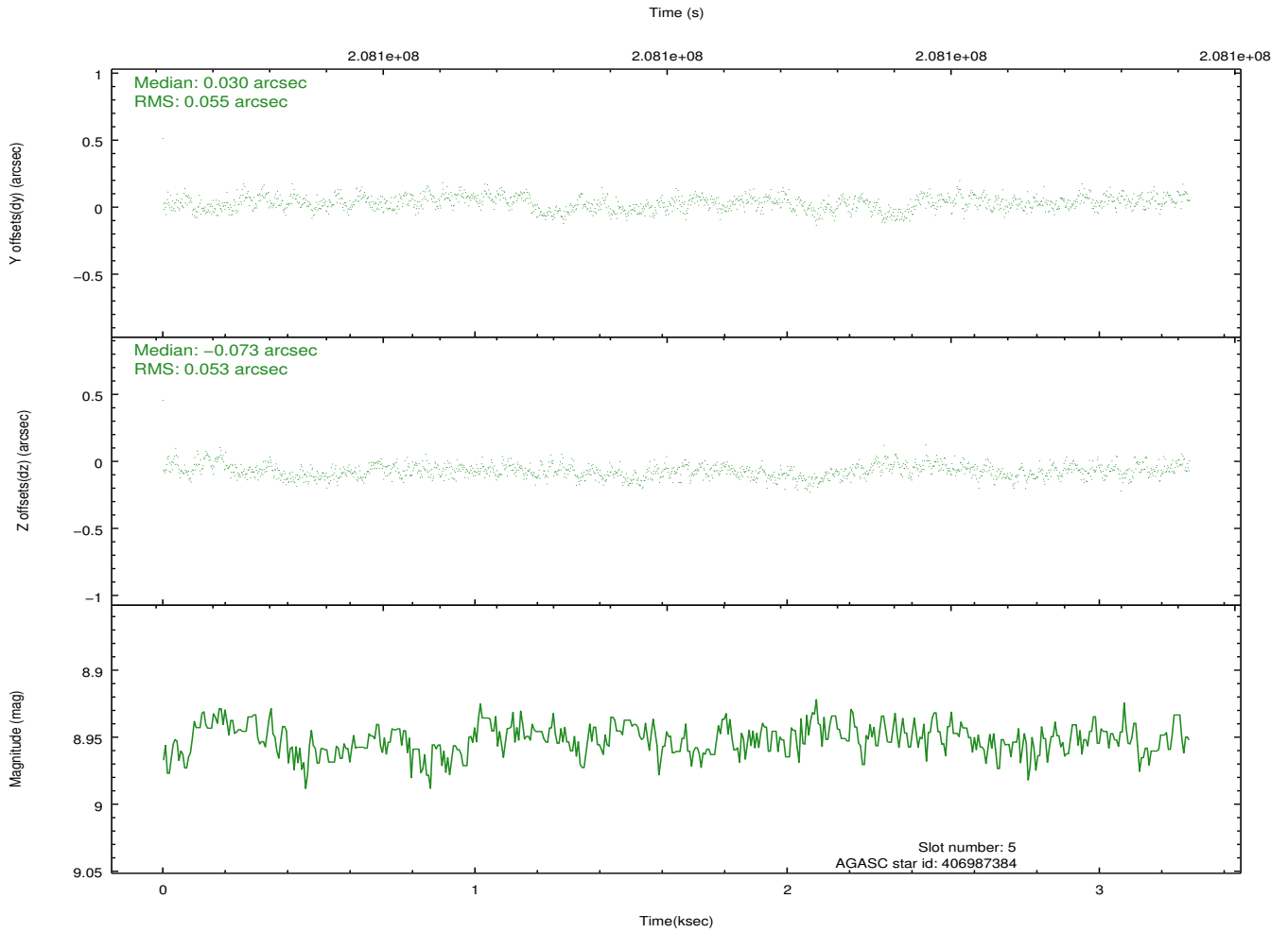
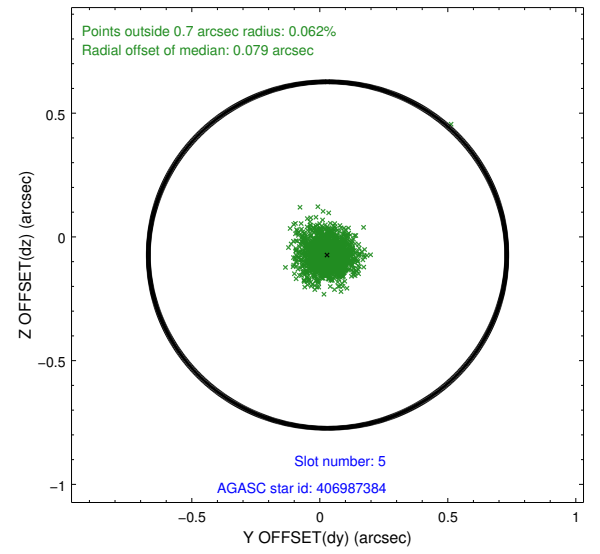
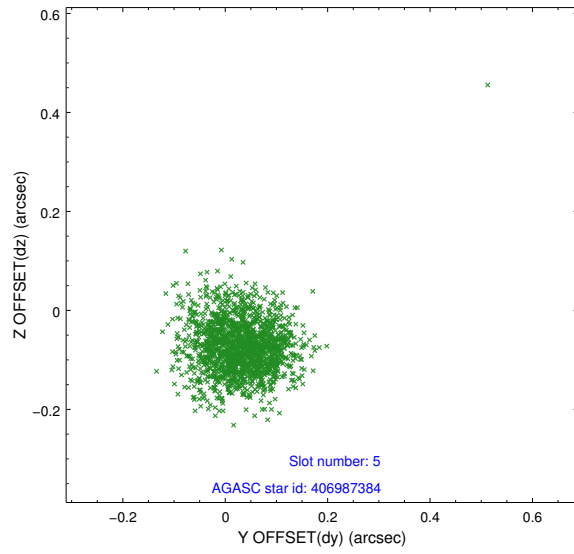
2.4.1 Slot 3



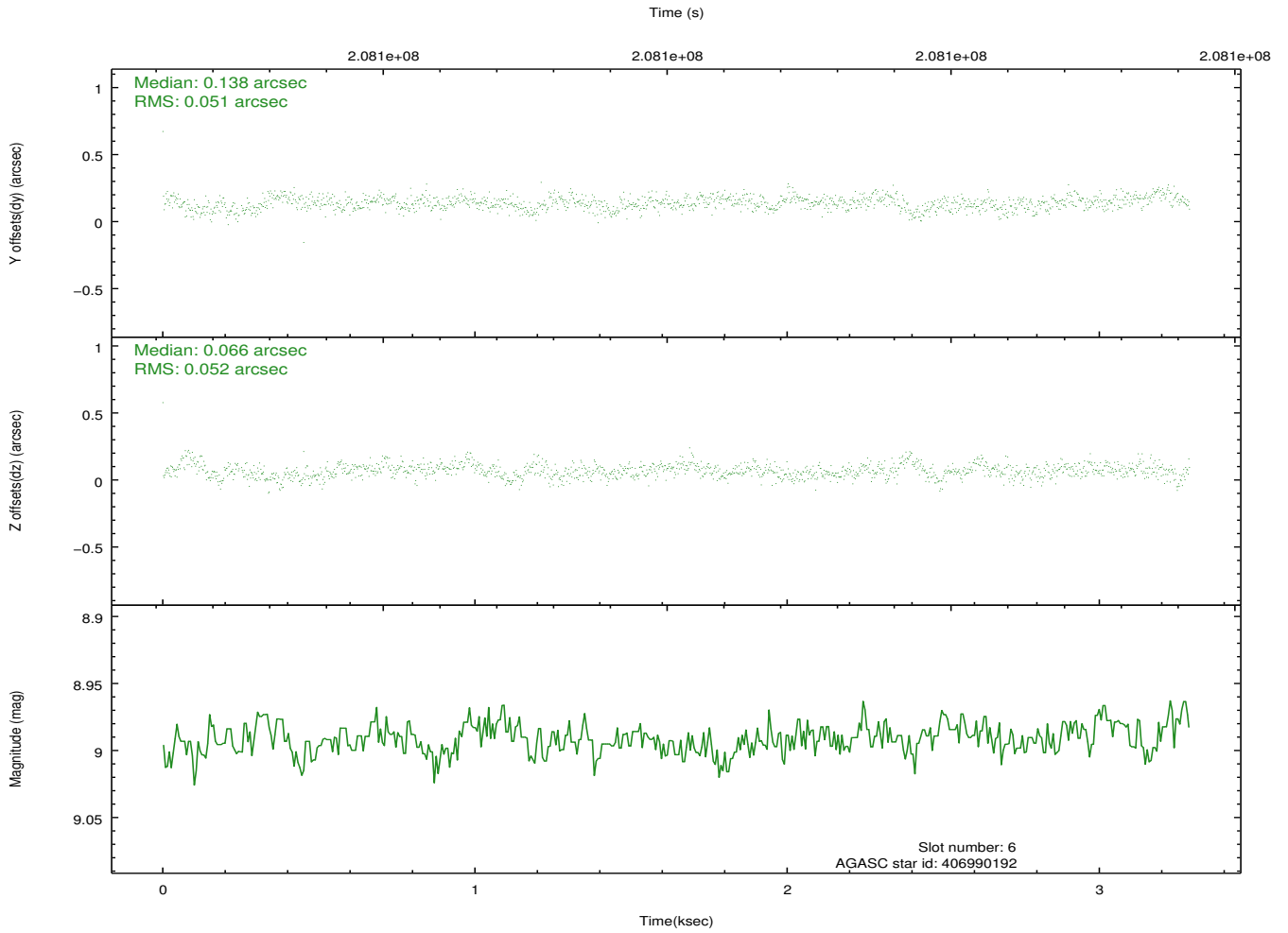
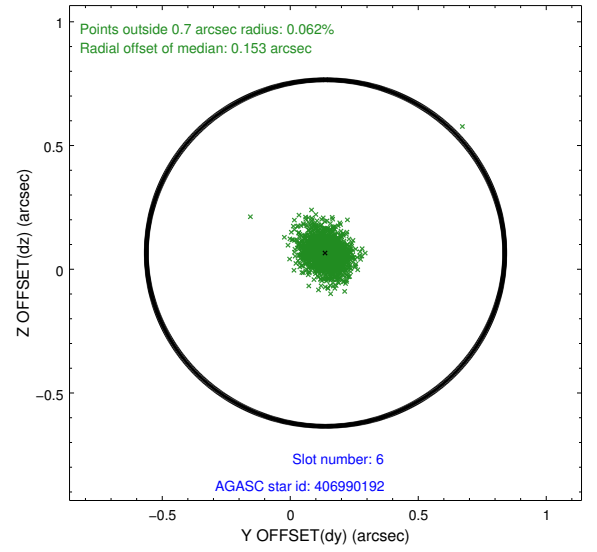
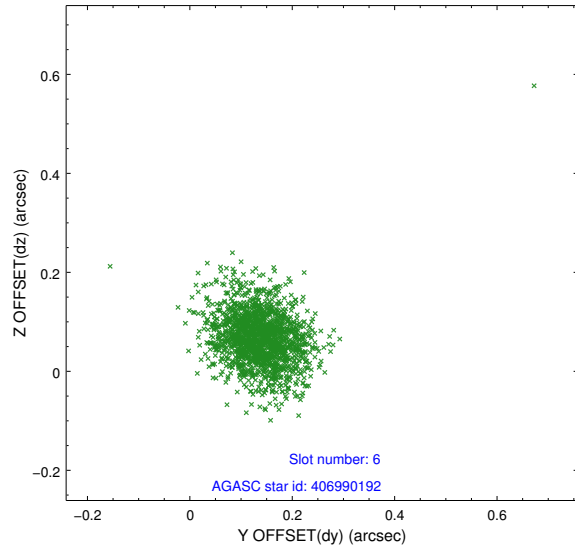
2.4.2 Slot 4



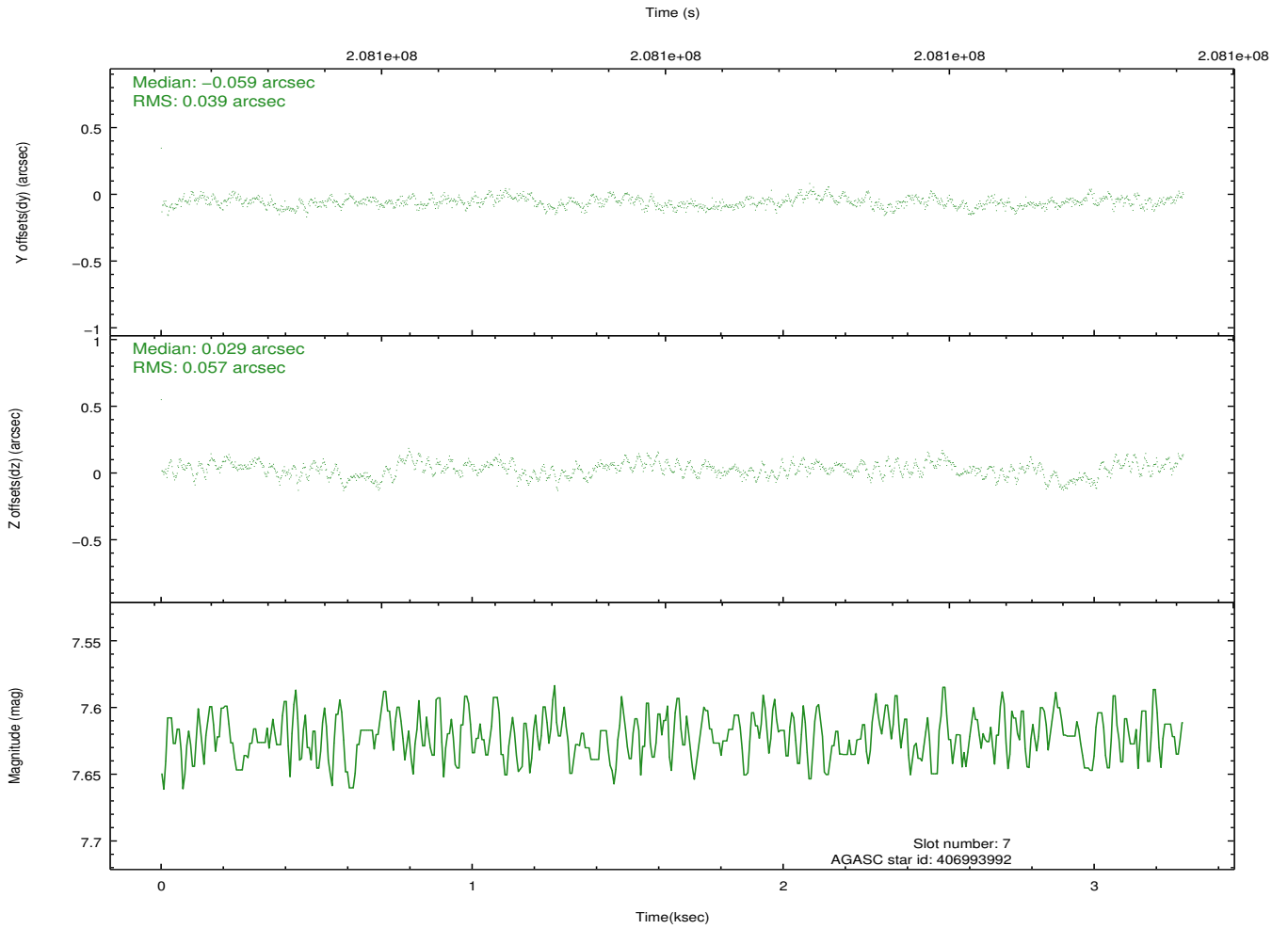
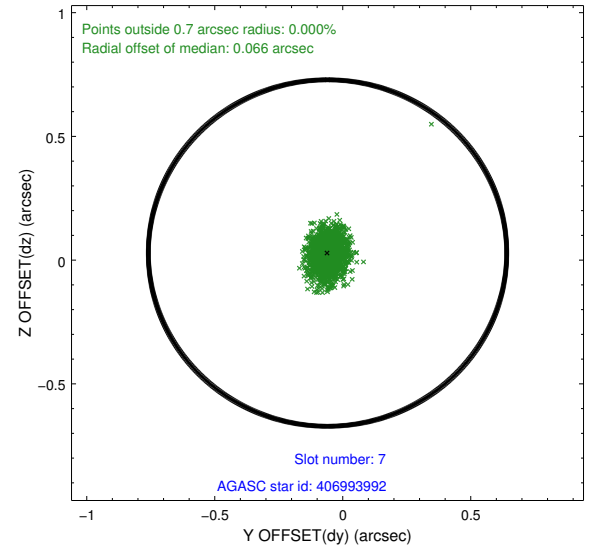
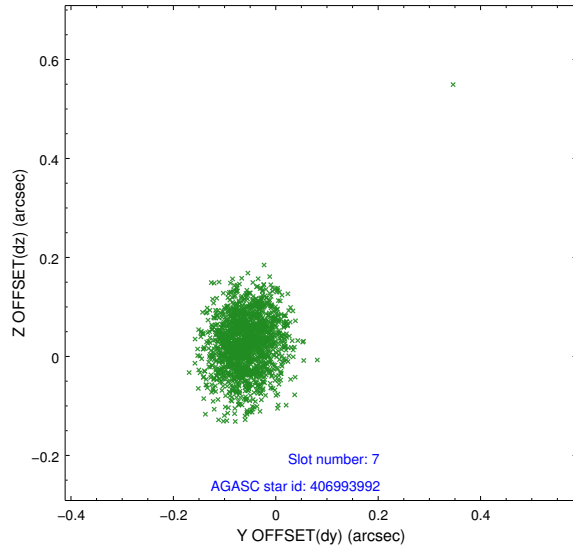
2.4.3 Slot 5



2.4.4 Slot 6

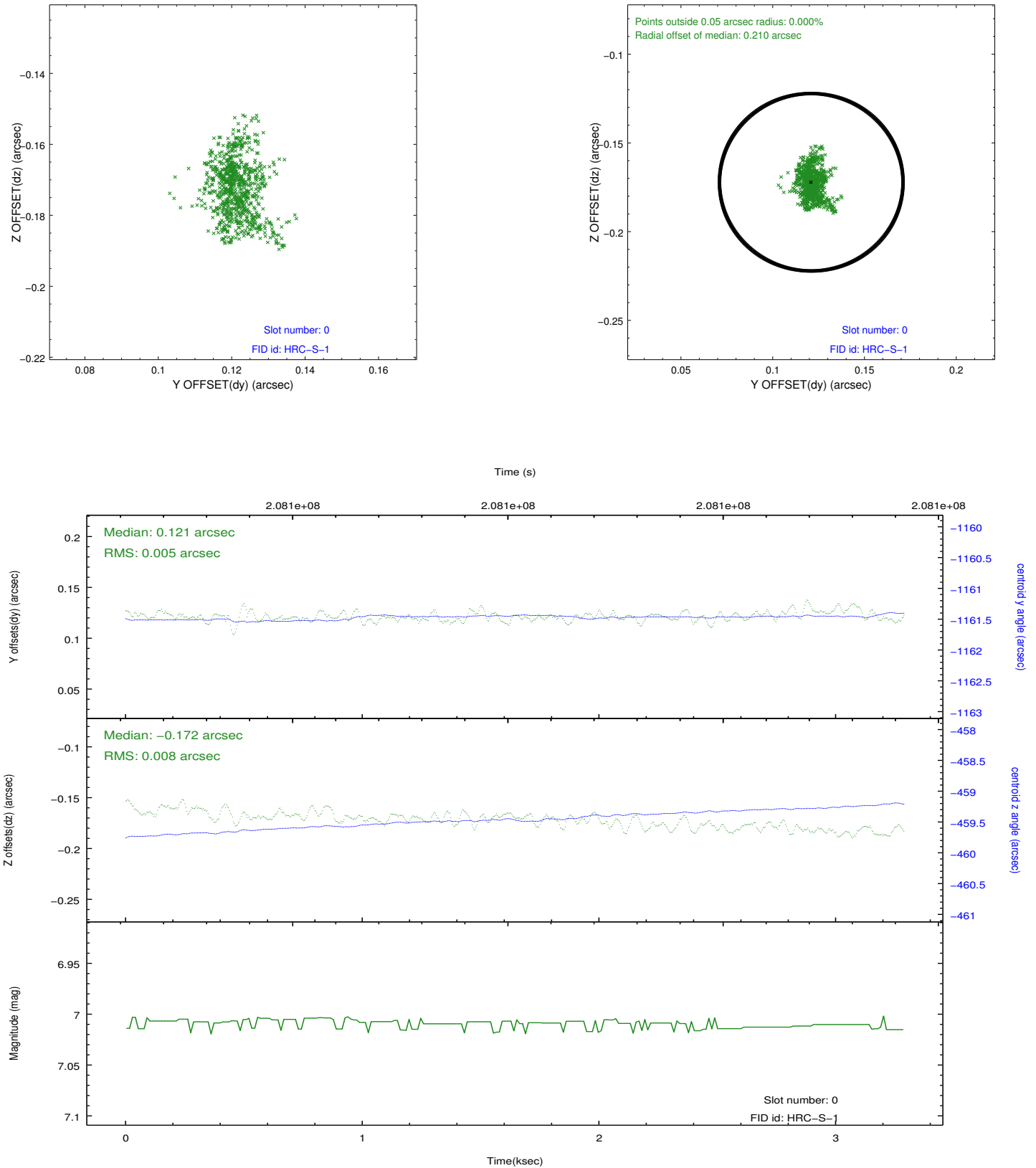


2.4.5 Slot 7

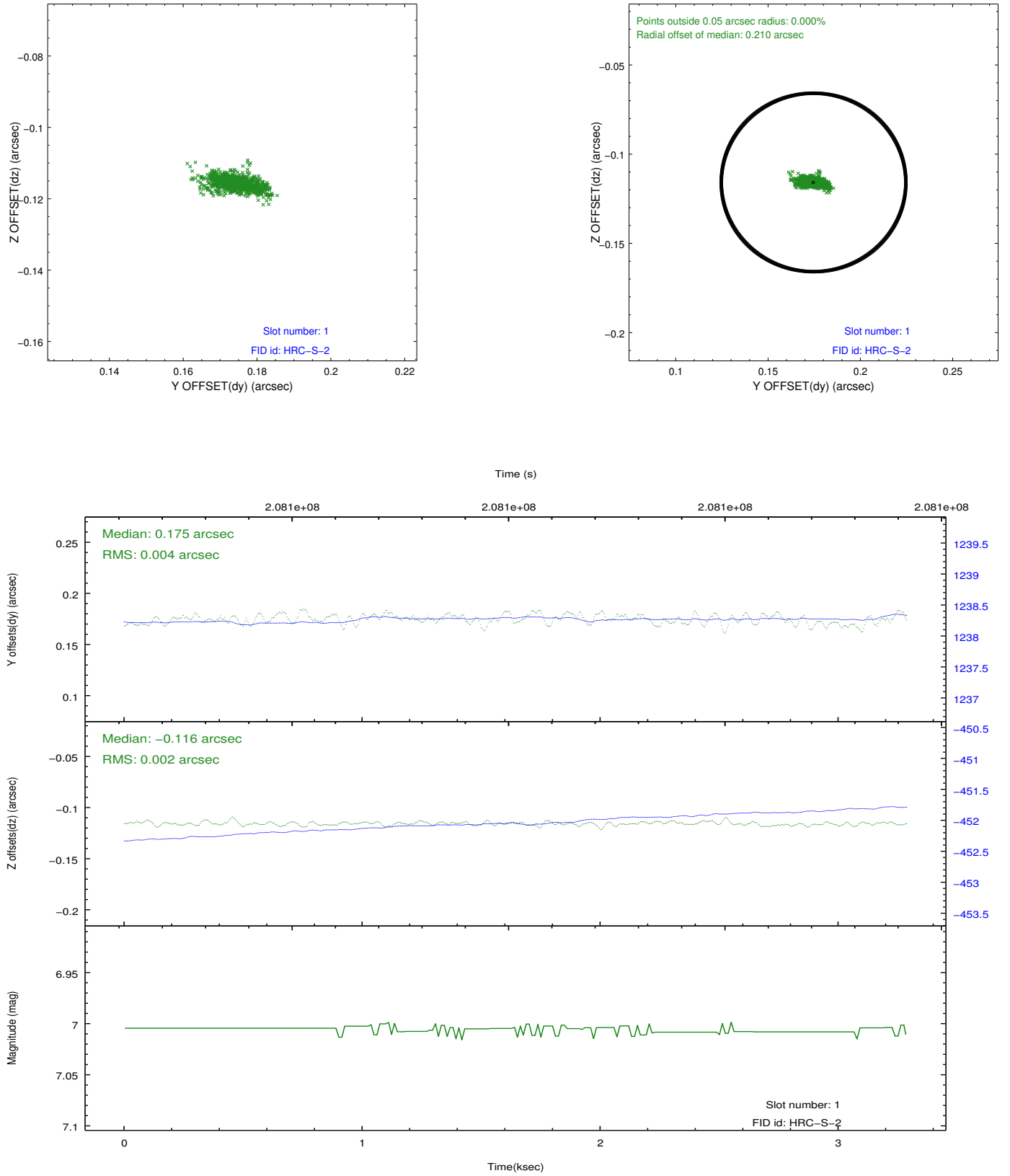


2.5 FID Slots

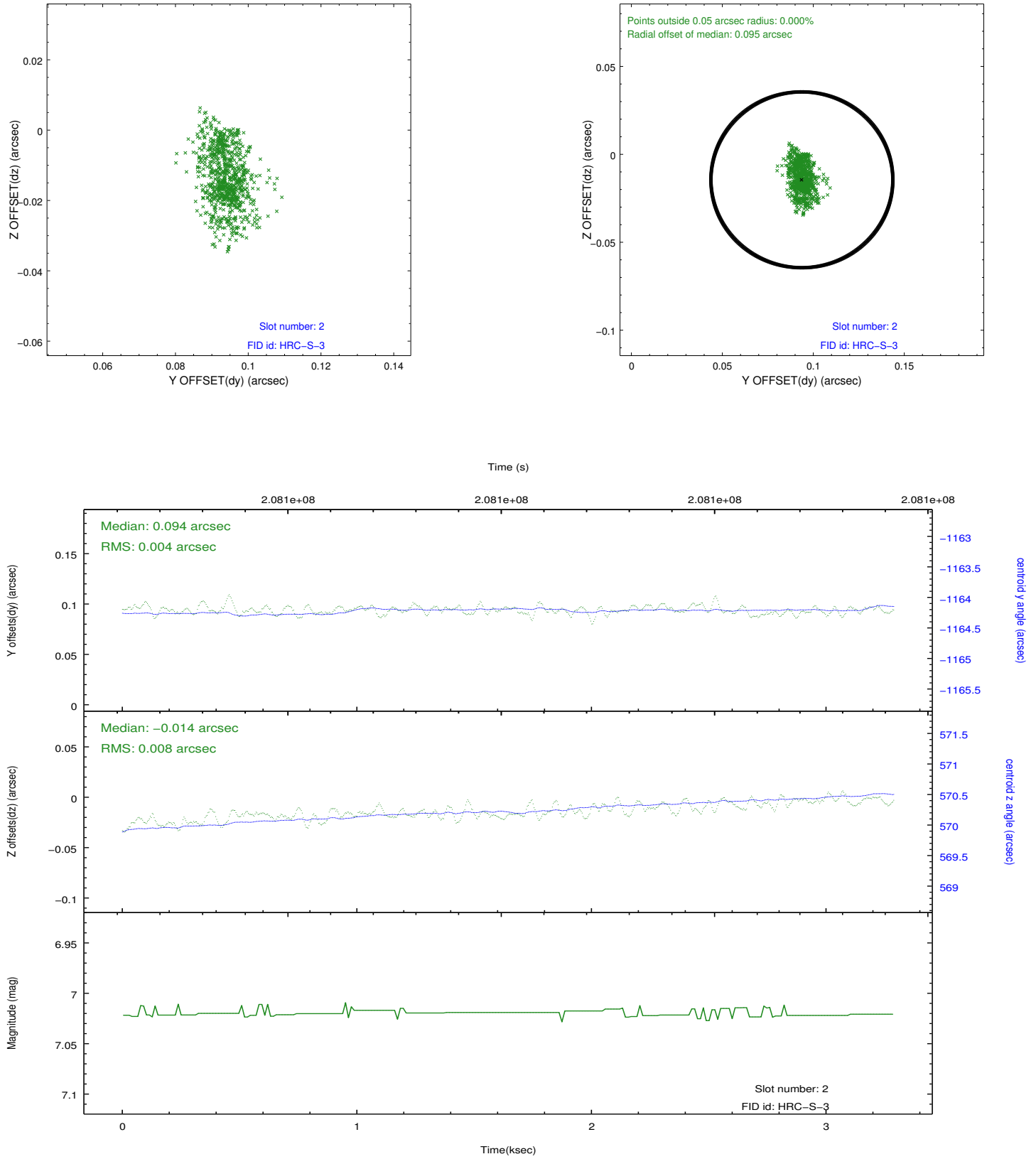
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.287

A.2 Comments

Window constraint met.