

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4319 - L2 Version 3
Chandra X-Ray Center

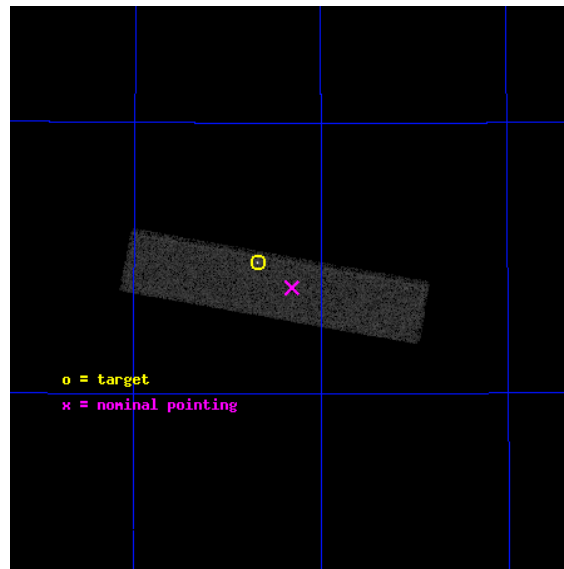
L2 Processing Date : Nov 2 2012

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1 Front

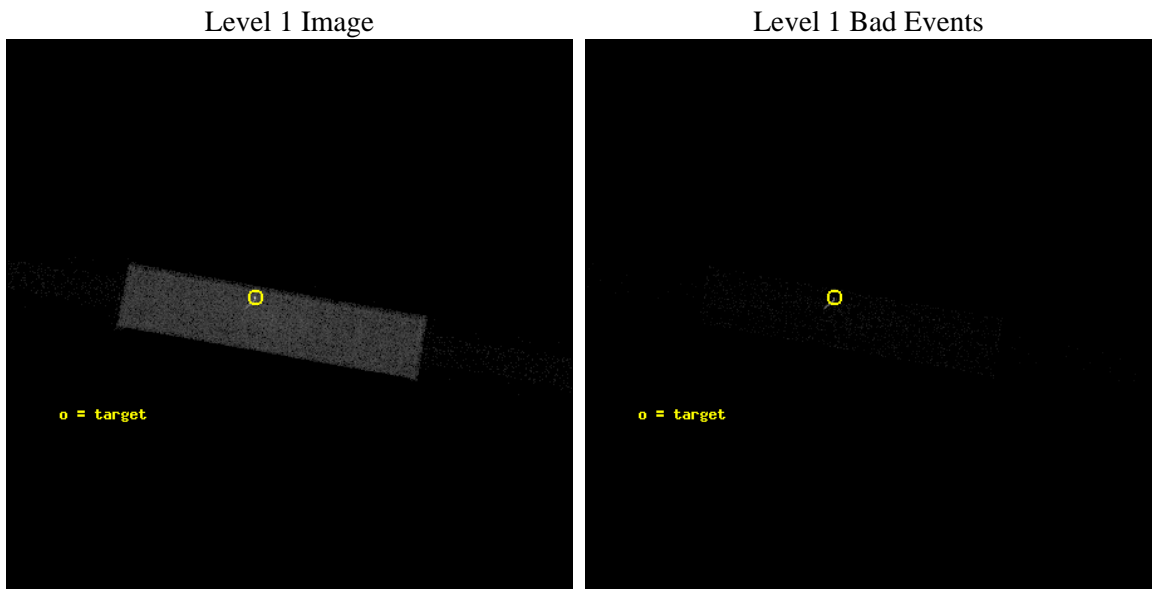
seq_num	290279	Sequence number
obs_id	4319	Observation id
title	AO4B CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07783360283	Nominal RA [deg]
dec_nom	45.696155944724	Nominal Dec [deg]
roll_nom	189.98498362084	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062989235	[s]
livetime	1136.3637855344	Ontime multiplied by DTCOR
l2events	40249	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062989235	[s]
caldbver	4.5.2	 	l1events	66453	Number of level 1 events
date	2012-11-02T16:32:38	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

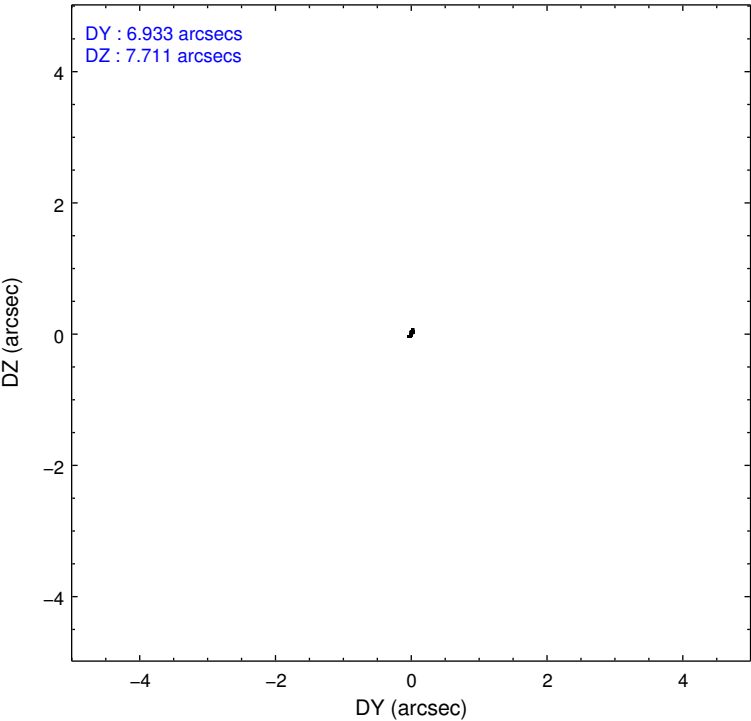
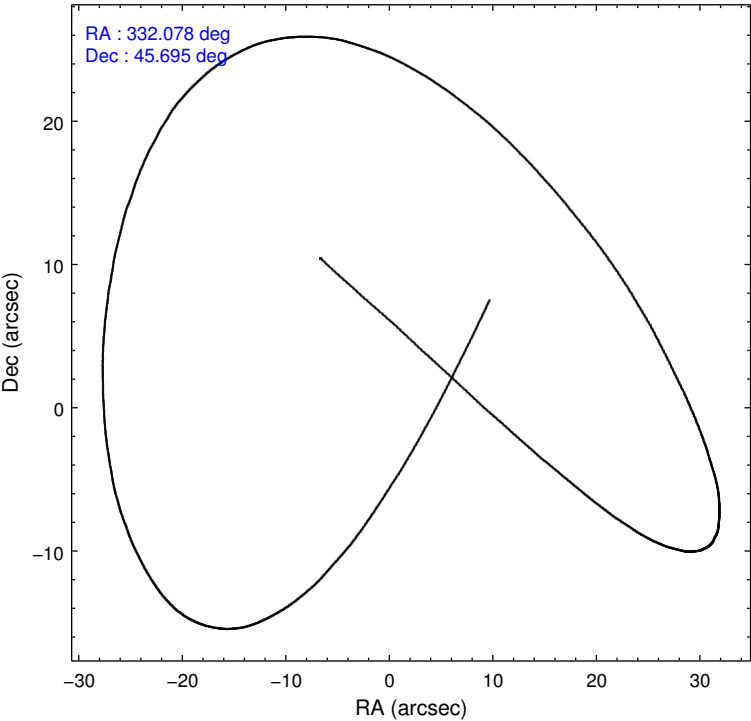
Level 1 Events

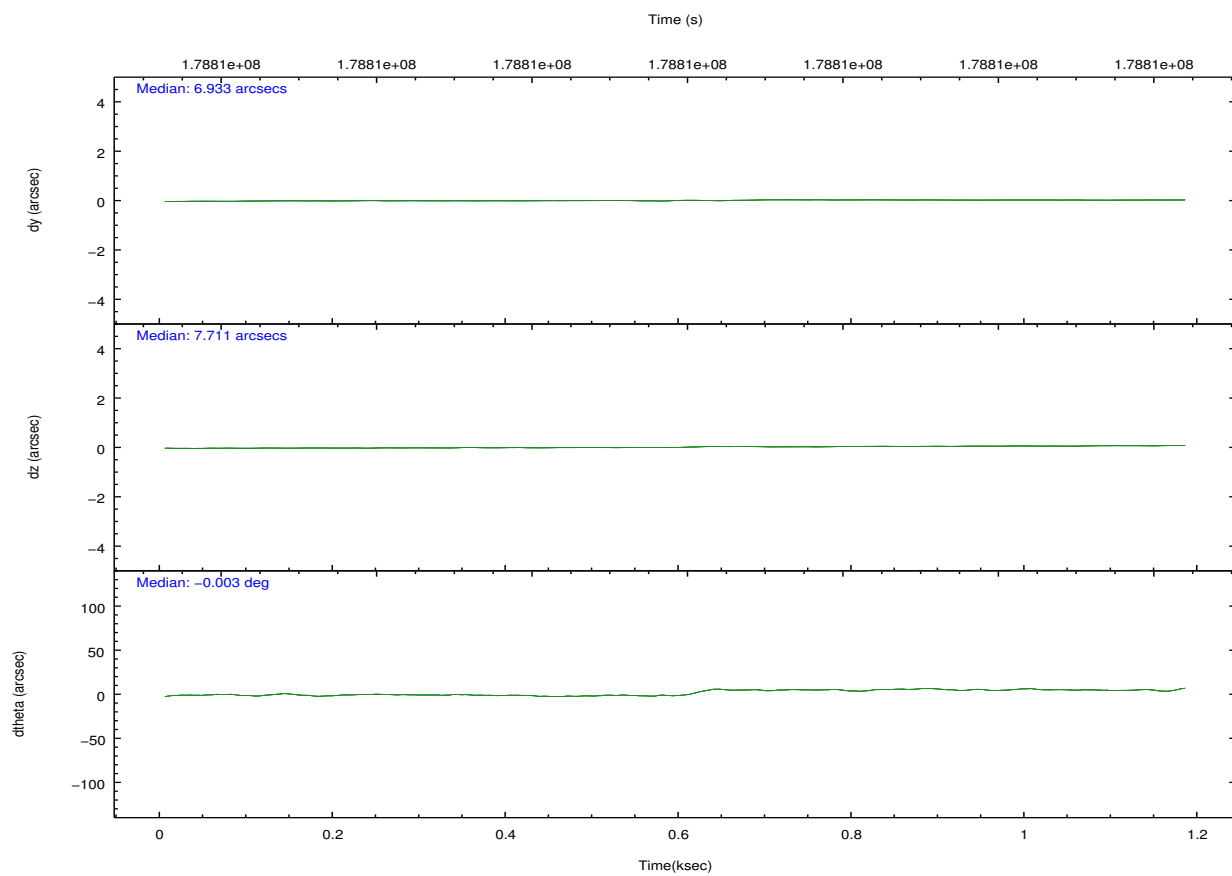
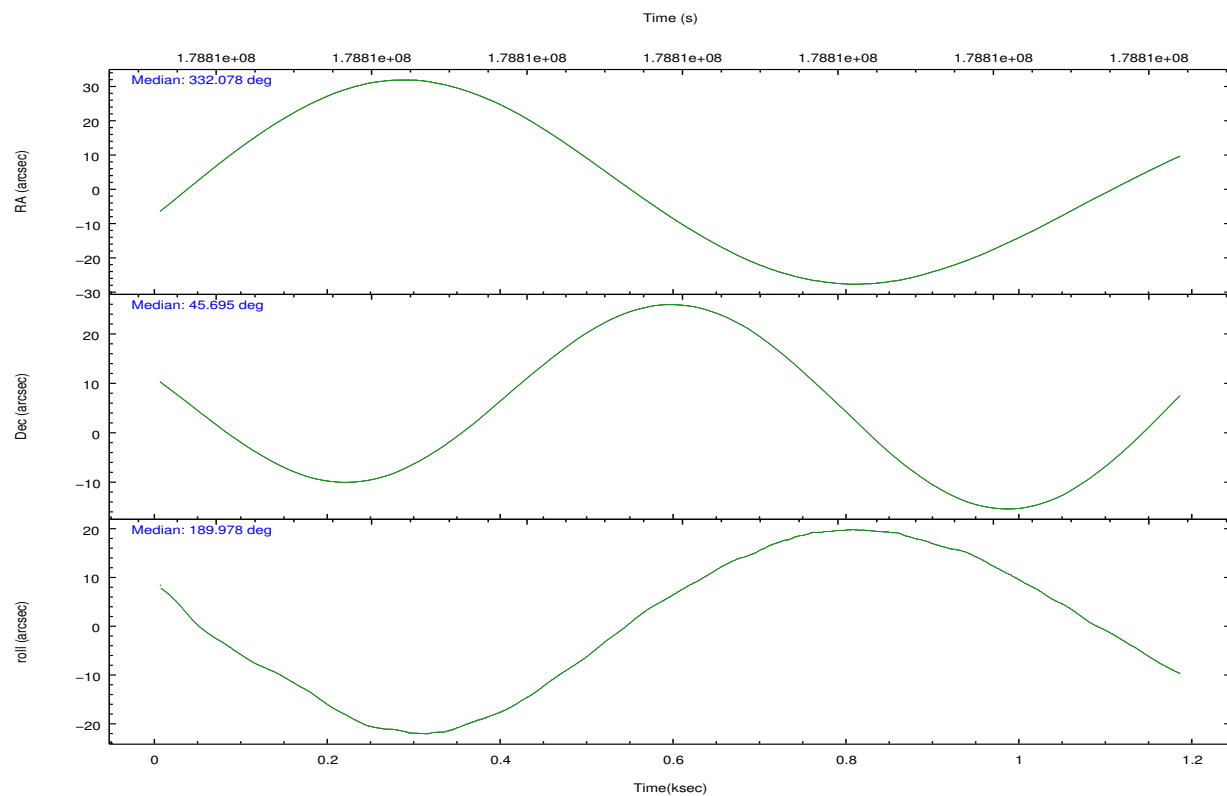
	segment 1	segment 2	segment 3
level 1 events	1029	64385	1039
rejected events	1029	14713	1039
rejected %	100%	22%	100%

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	332.107533	332.0778336028311			
[deg] Pointing Dec	45.716792	45.6961559447244			
[deg] Pointing Roll	189.896343	189.9849836208394			
[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)	178809978.184000	178809602.34504			
Observation start date	2003-09-01T13:25:14	2003-09-01T13:20:02			
[s] Observation end time (MET)	178810978.184000	178811112.17011			
Observation end date	2003-09-01T13:41:54	2003-09-01T13:45:12			

2.3 Aspect



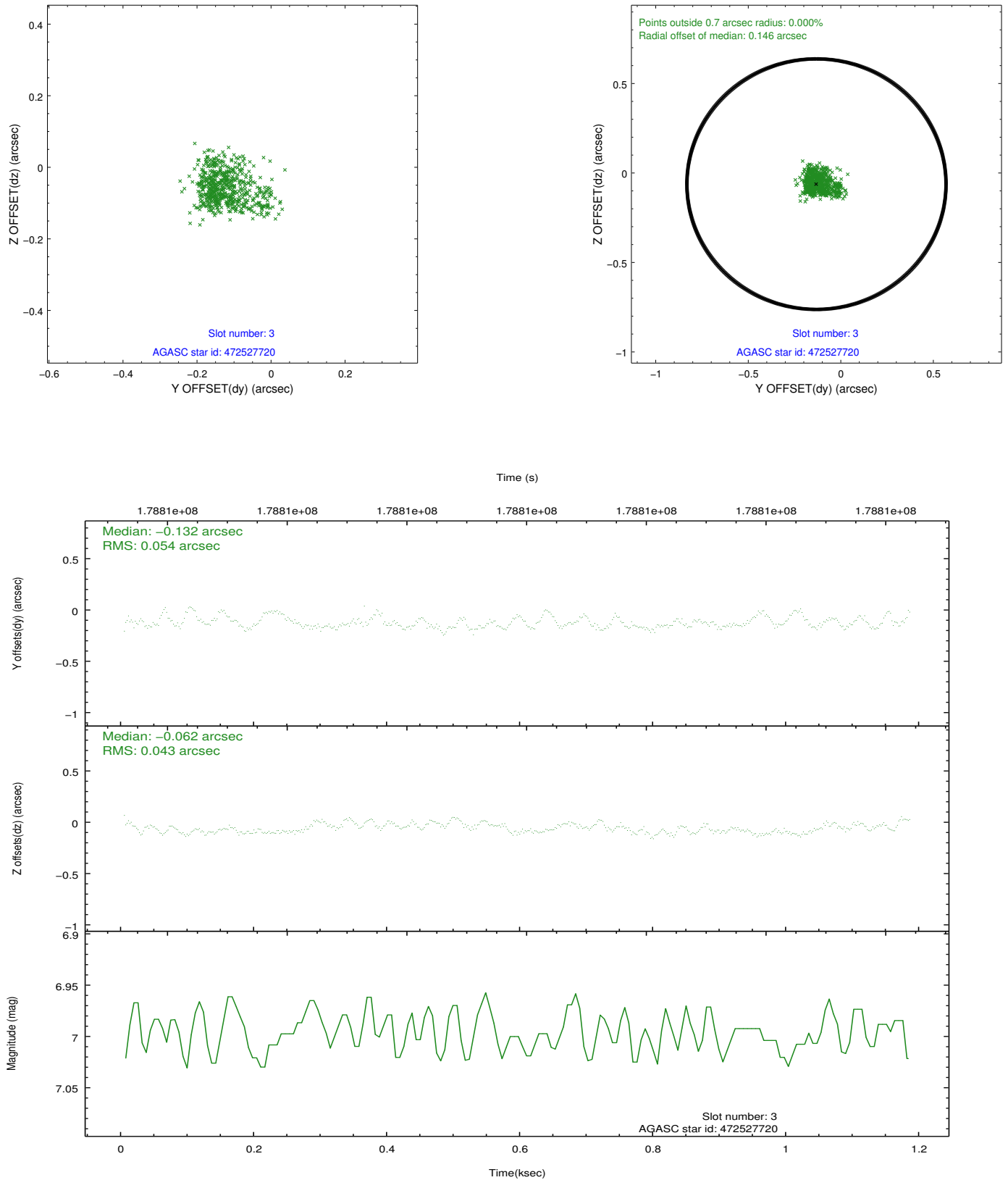


Slot Statistics

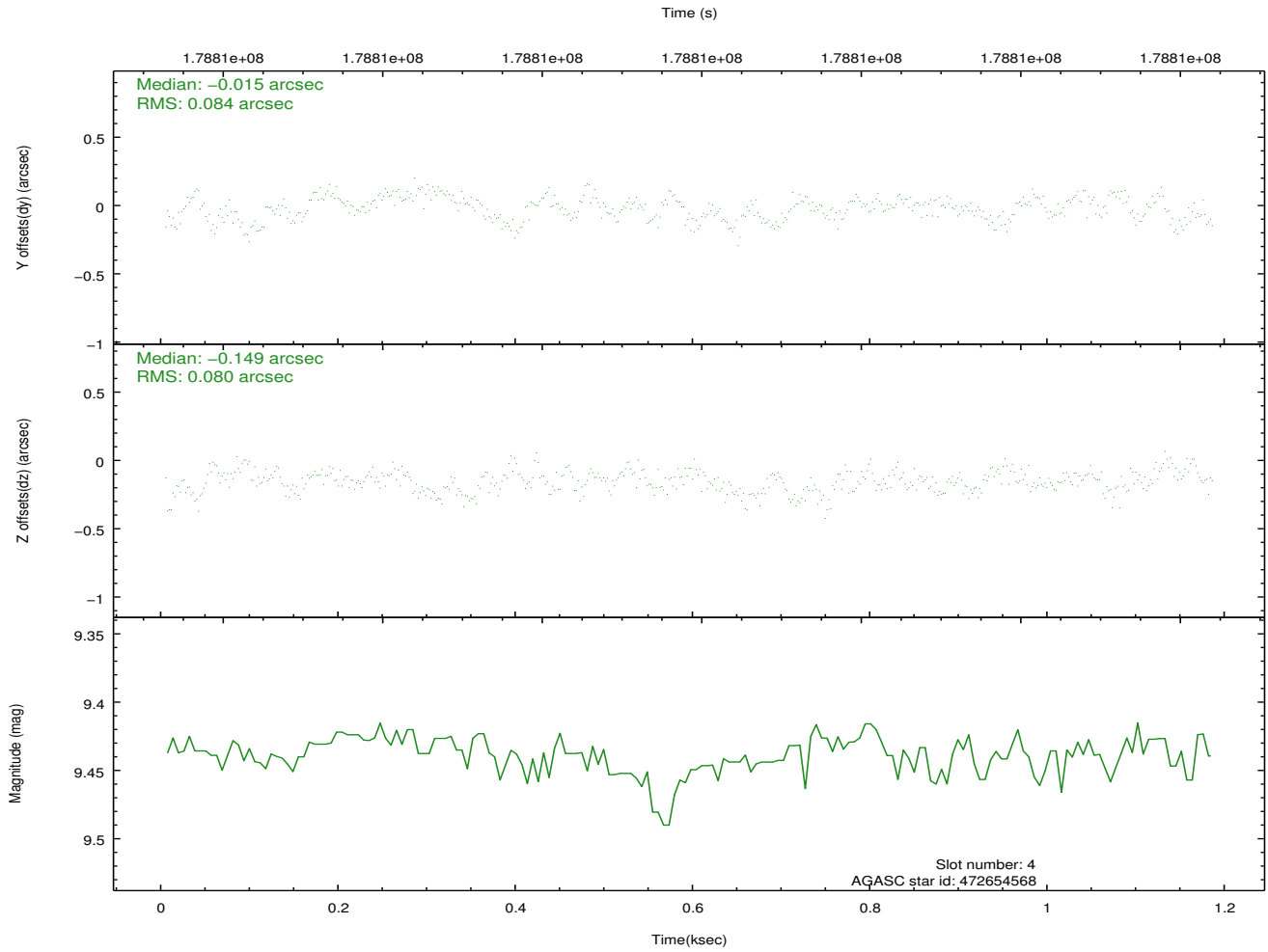
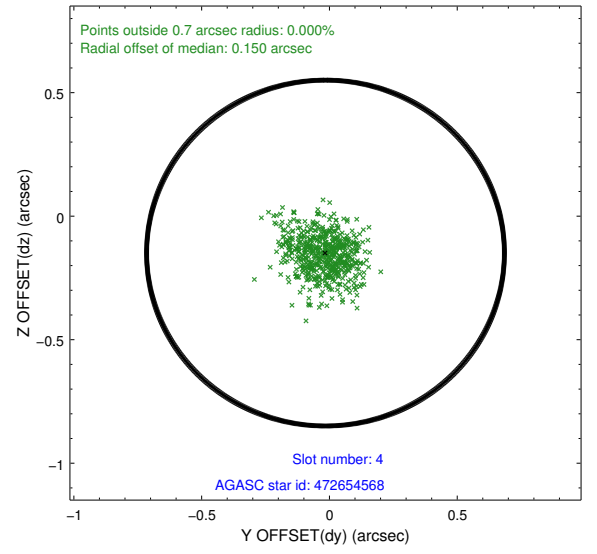
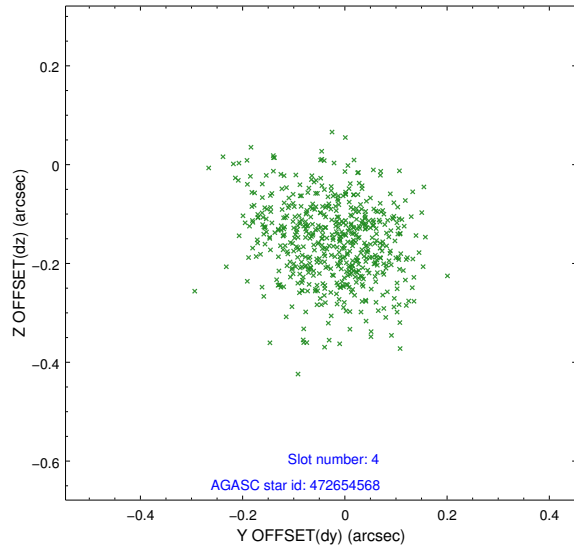
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.03	288	0.135	-0.110	0.058	0.067	0.000000	0.000000	1238.59	-448.92
1	FID	HRC-S-3	7.04	289	0.084	-0.098	0.018	0.025	0.000000	0.000000	-1159.57	571.71
2	FID	HRC-S-4	6.99	288	0.188	-0.087	0.060	0.070	0.000000	0.000000	1233.21	577.77
3	GUIDE	472527720	7.00	577	-0.132	-0.062	0.072	0.127	331.460205	45.112509	1992.95	1849.92
4	GUIDE	472654568	9.44	577	-0.015	-0.149	0.122	0.205	332.194449	45.063576	189.93	2353.33
5	GUIDE	472655152	9.43	576	0.090	0.068	0.106	0.172	332.504239	45.862991	-1069.76	-350.10
6	GUIDE	472659832	9.46	577	0.061	0.085	0.092	0.154	332.780399	46.098139	-1893.17	-1075.69
7	GUIDE	472533912	9.16	575	-0.010	0.051	0.113	0.186	331.791136	46.368695	368.01	-2454.51

2.4 Star Slots

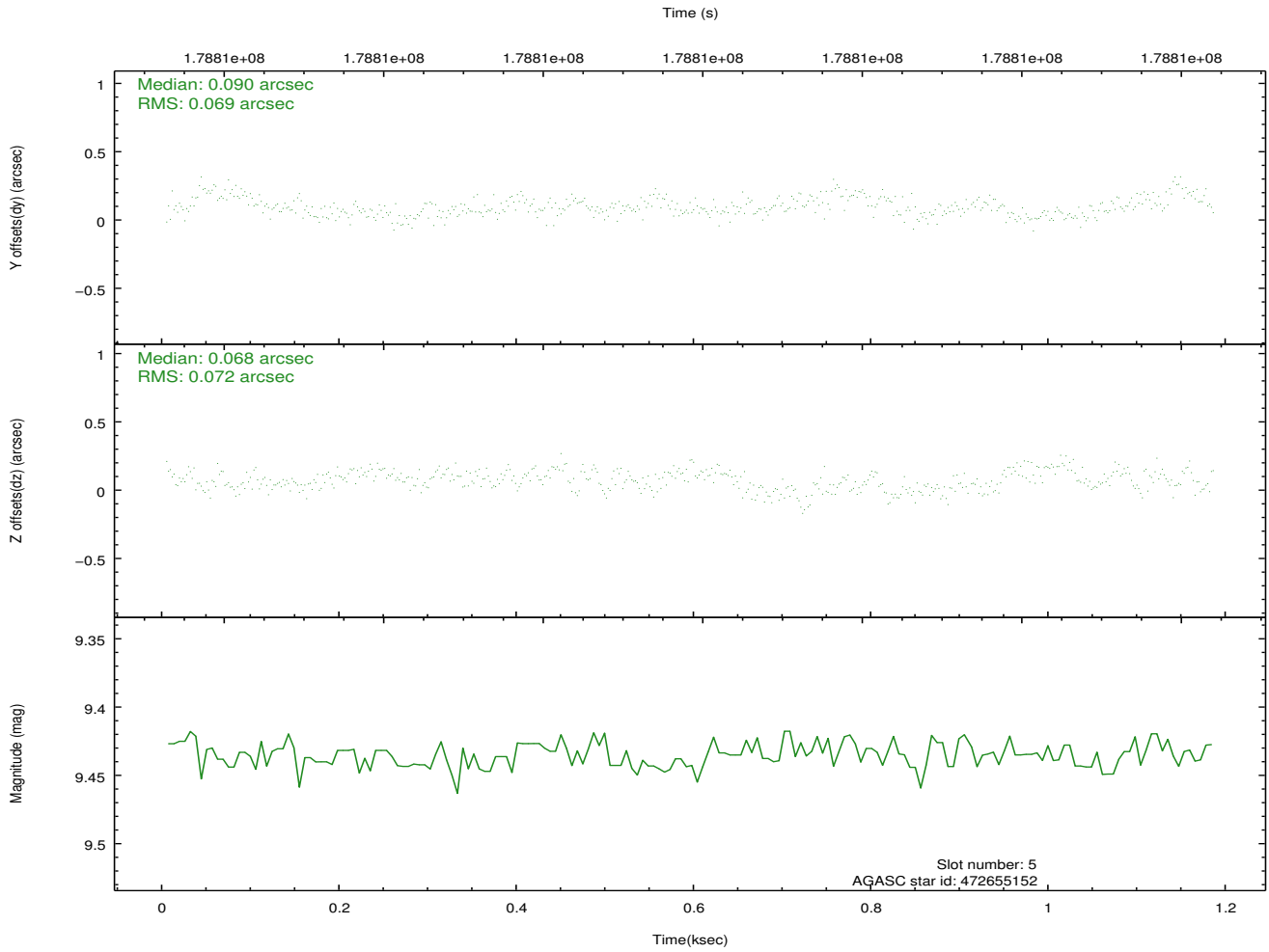
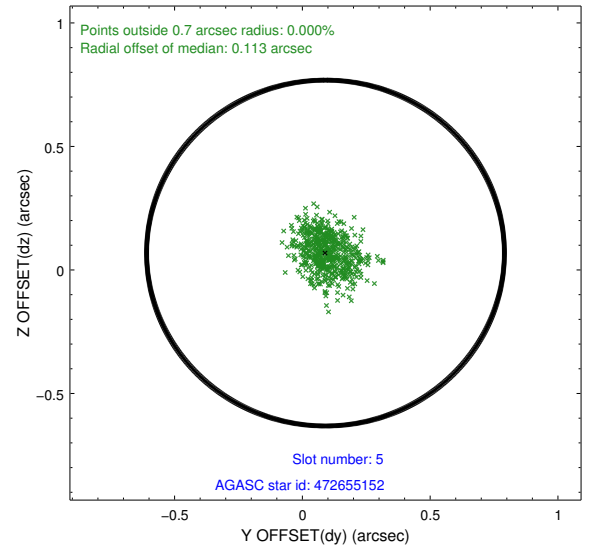
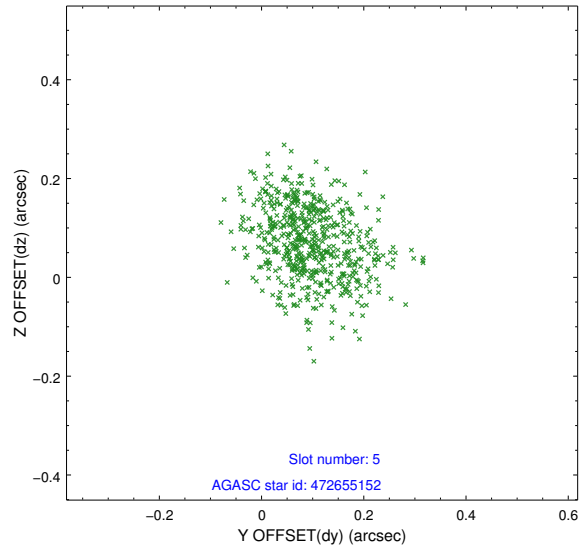
2.4.1 Slot 3



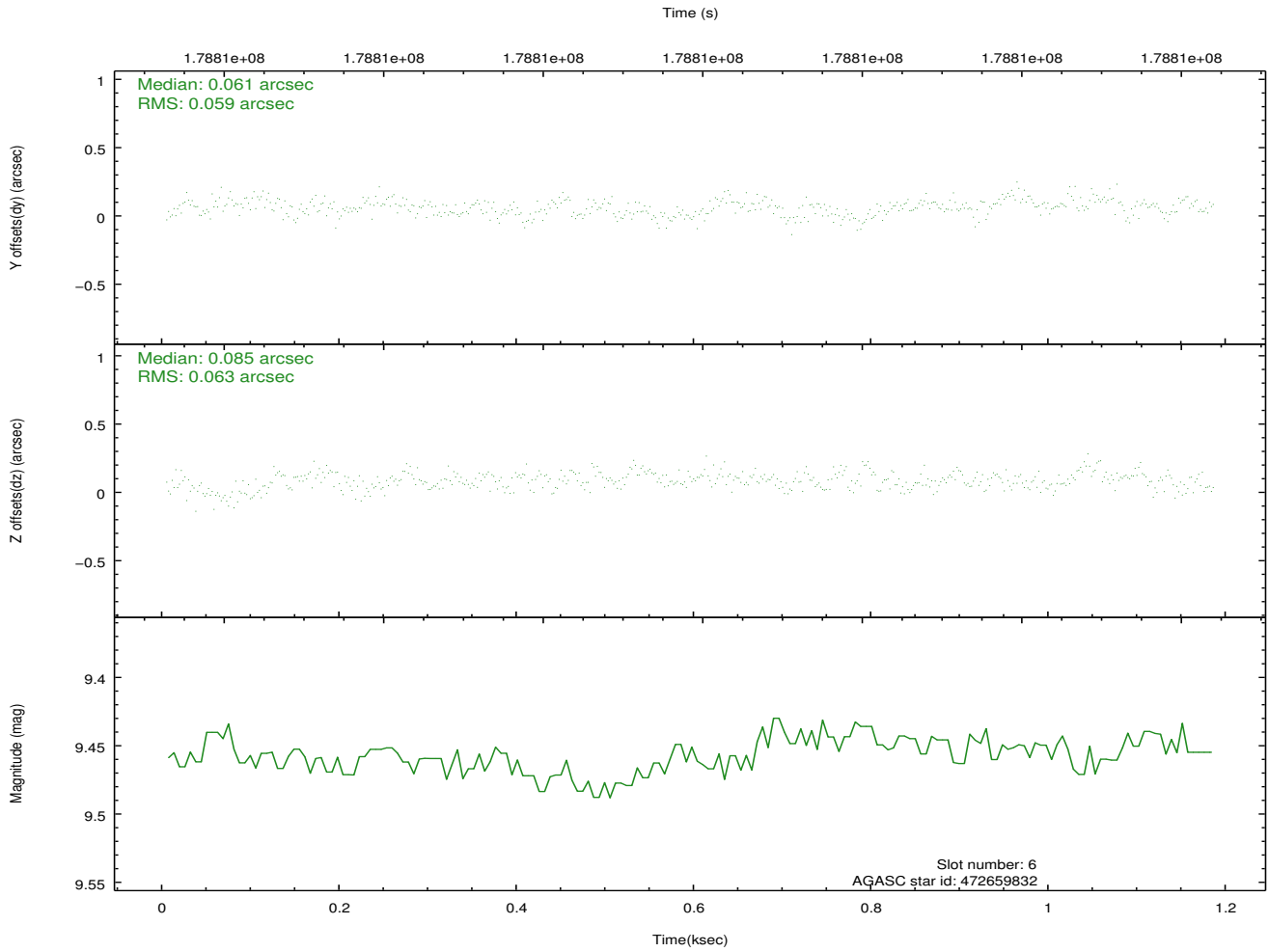
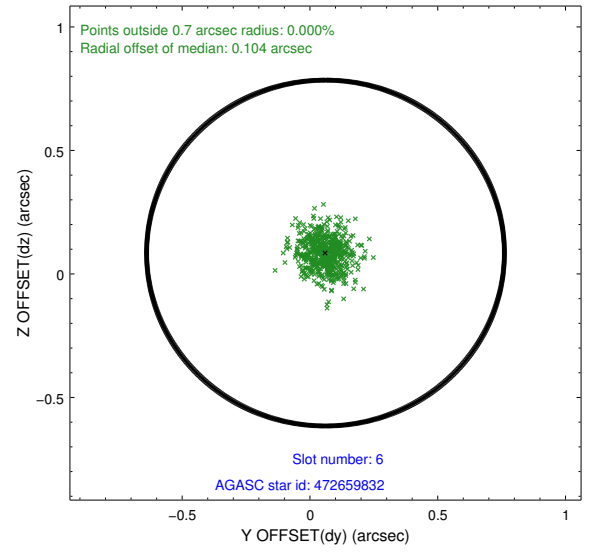
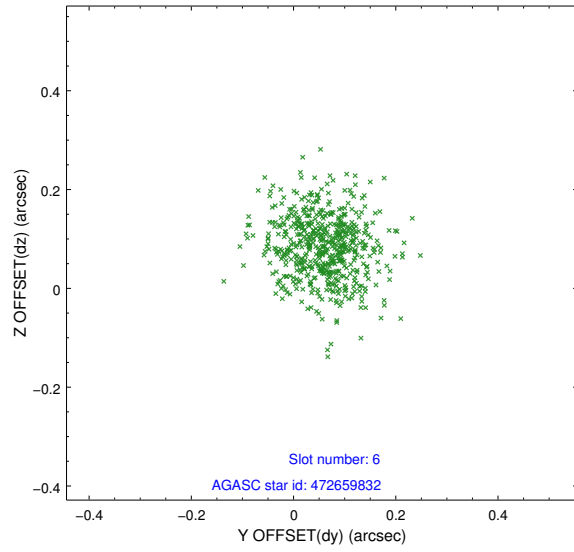
2.4.2 Slot 4



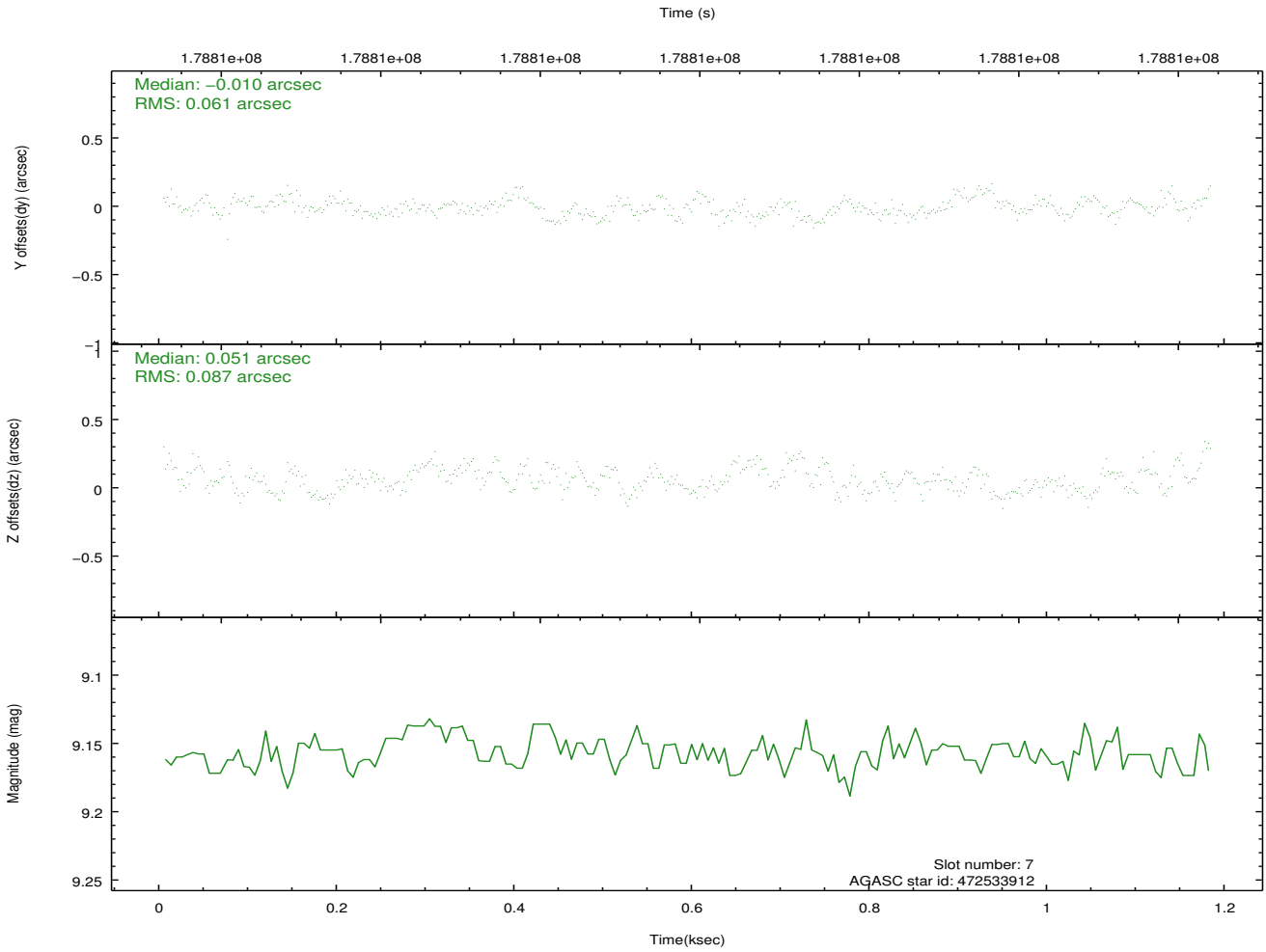
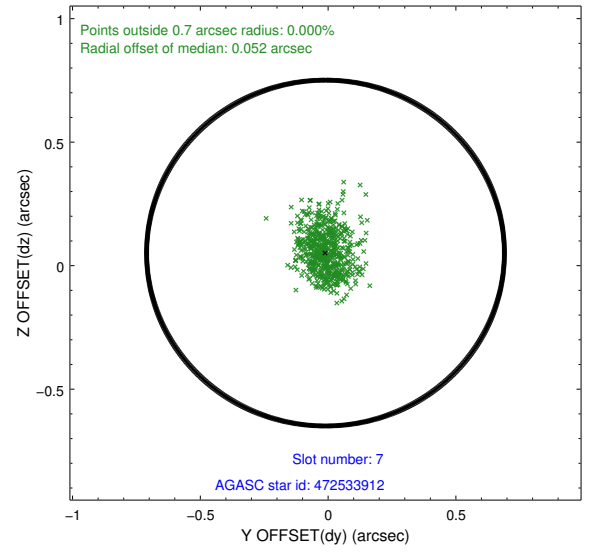
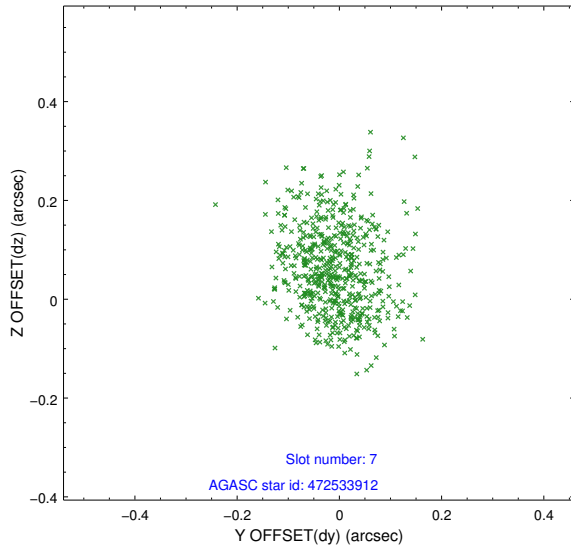
2.4.3 Slot 5



2.4.4 Slot 6

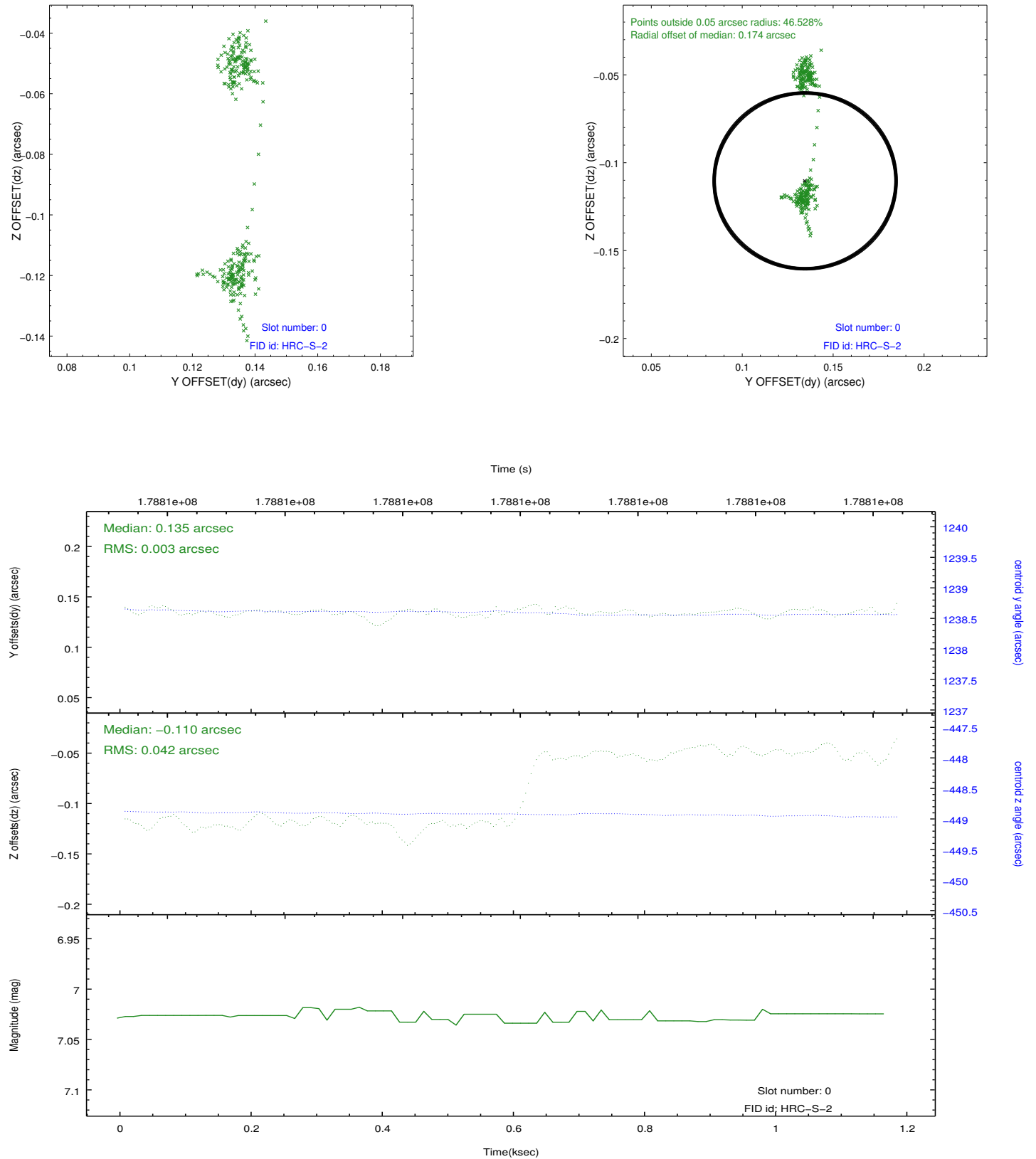


2.4.5 Slot 7

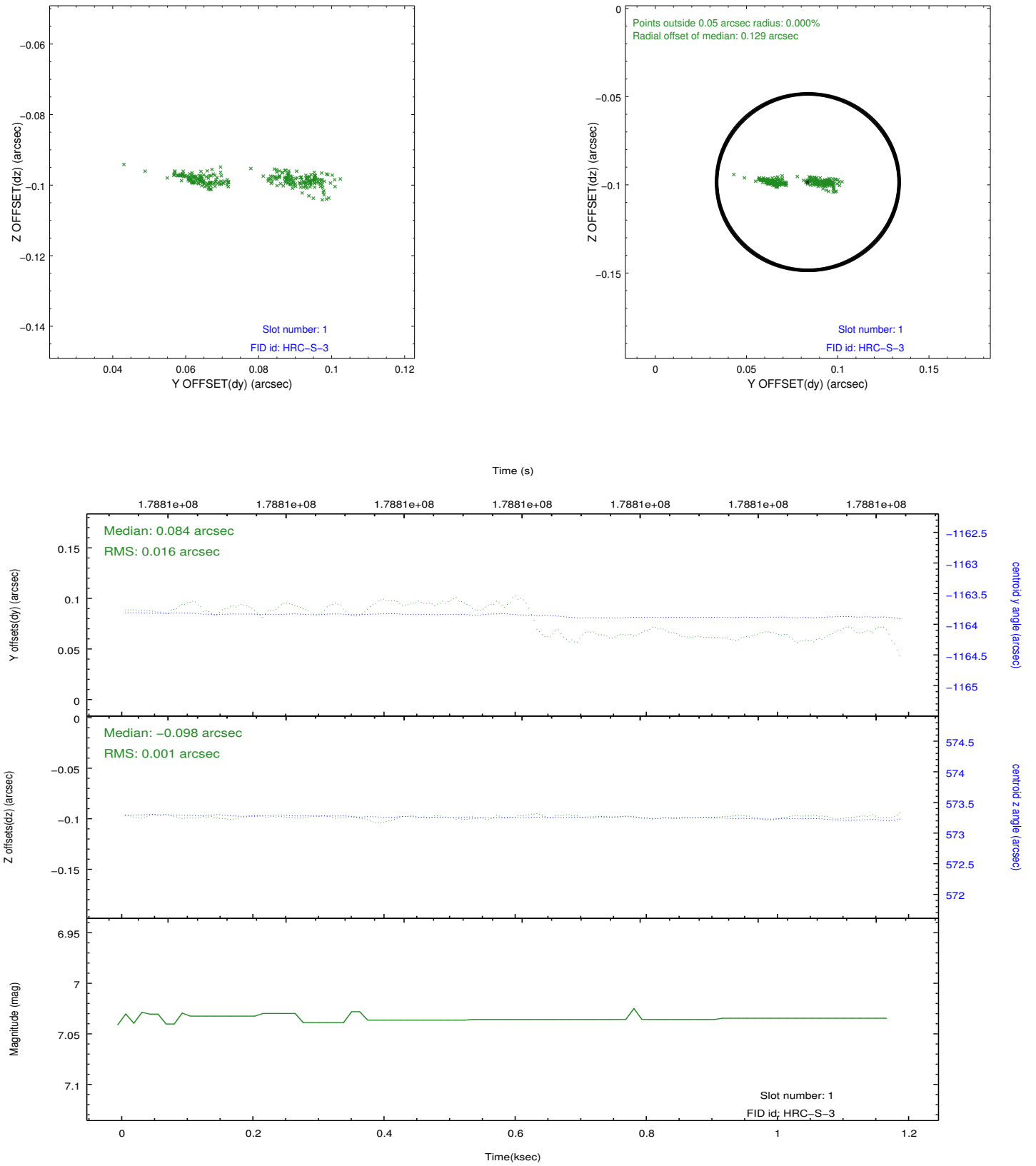


2.5 FID Slots

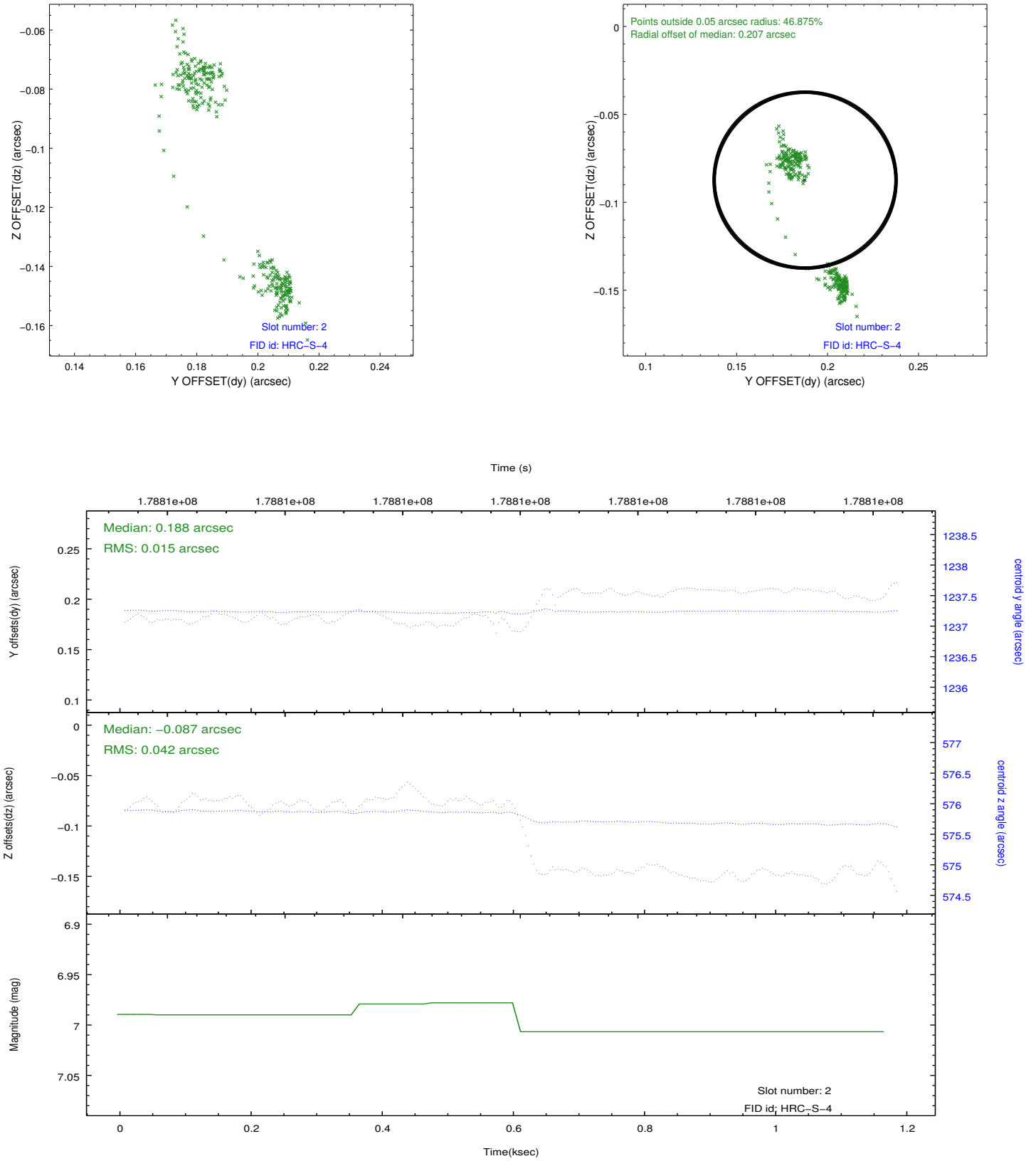
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.142

A.2 Comments

Monitor constraint met.