

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5970 - L2 Version 4
Chandra X-Ray Center

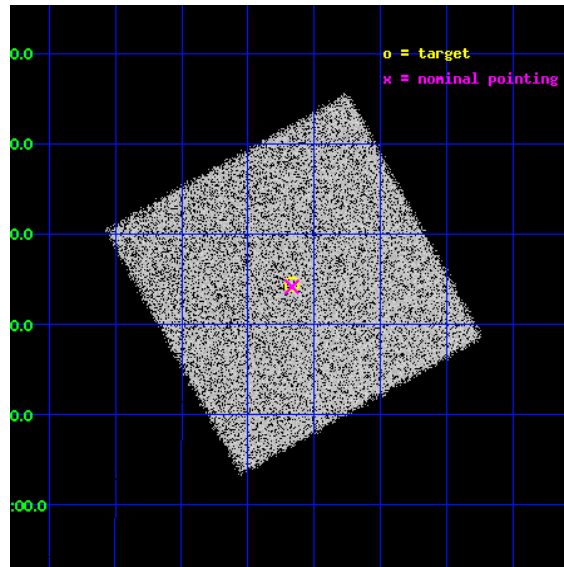
L2 Processing Date : Dec 16 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

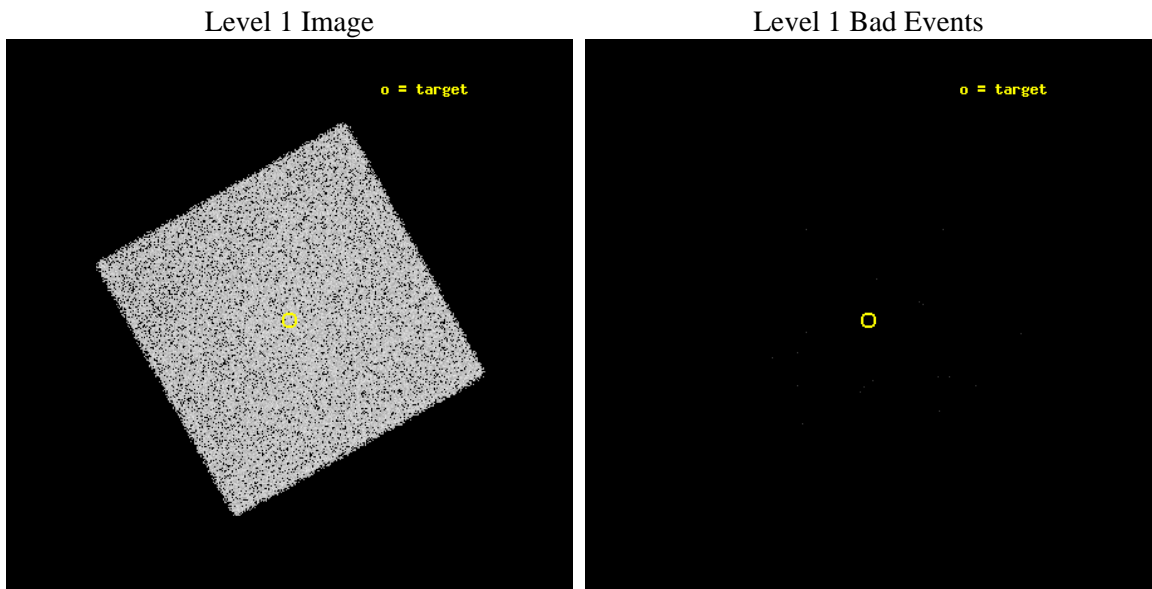
seq_num	290462	Sequence number
obs_id	5970	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.792195529858	Nominal RA [deg]
dec_nom	7.402938505895	Nominal Dec [deg]
roll_nom	285.7605899709	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2143.531346947	[s]
livetime	2129.4081536745	Ontime multiplied by DTCOR
l2events	75396	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2143.531346947	[s]
caldbver	4.5.5	 	l1events	162155	Number of level 1 events
date	2012-12-17T01:37:58	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

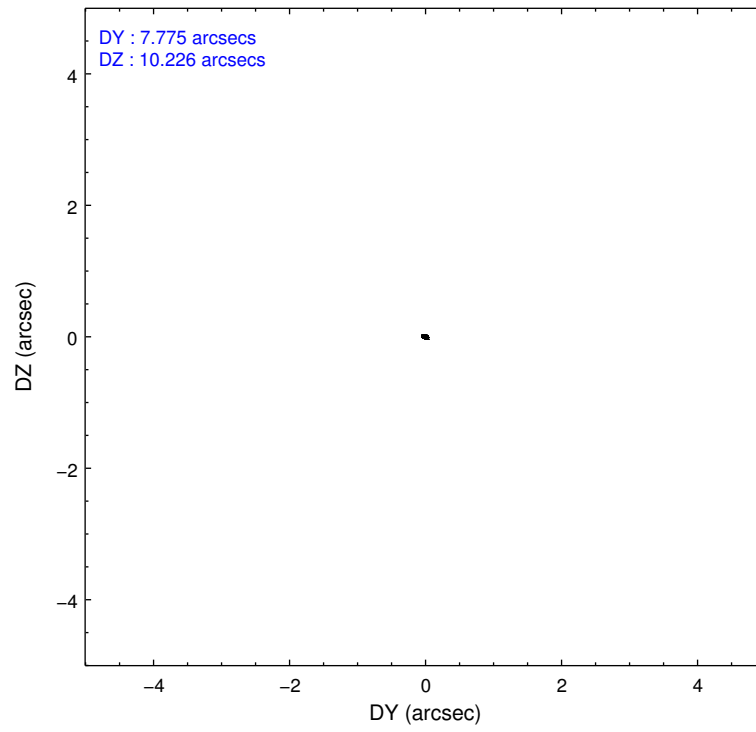
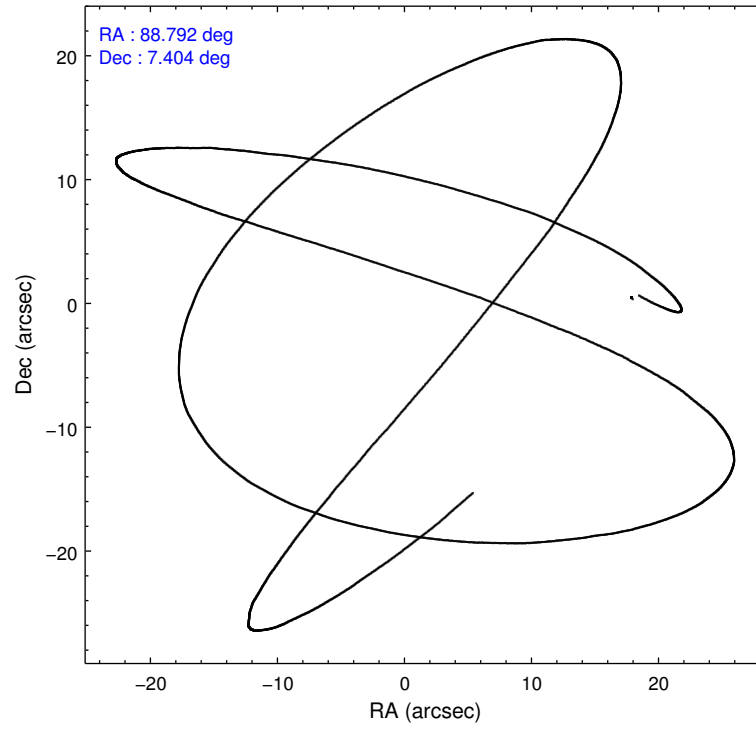
Level 1 Events

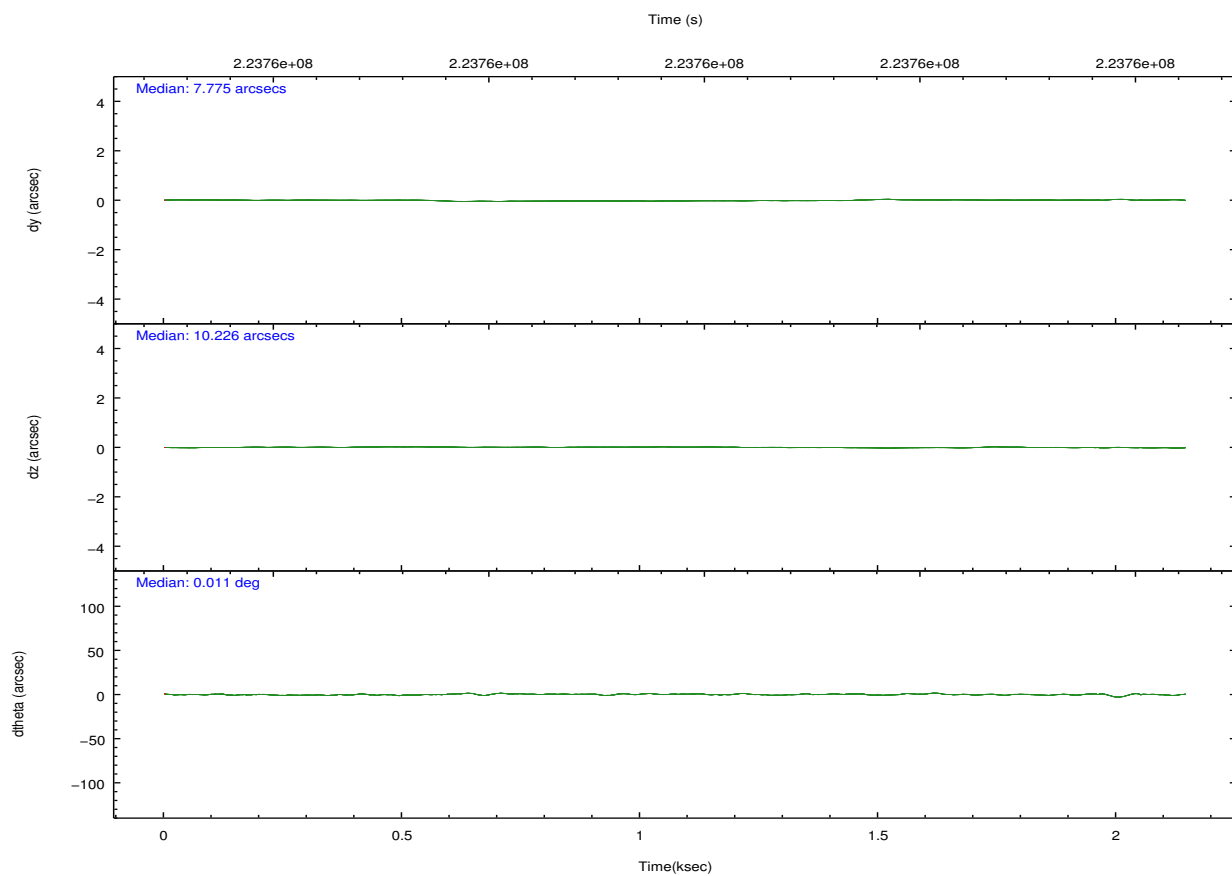
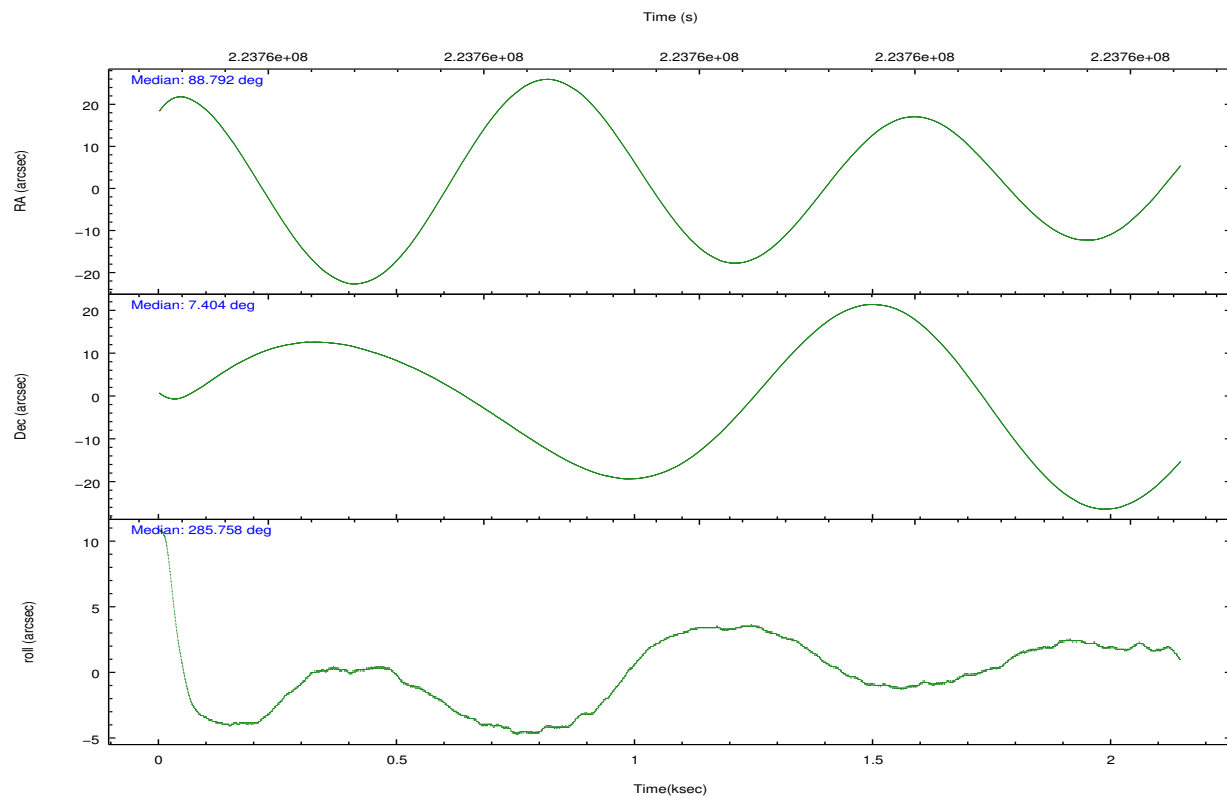
	segment 0
level 1 events	162155
rejected events	49801
rejected %	30%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	88.772392	88.79219552985772			
[deg] Pointing Dec	7.421371	7.402938505895007			
[deg] Pointing Roll	285.858535	285.7605899708957			
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	228614464.184000	228614464.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	223757507.184000	223756444.21478			
Observation start date	2005-02-02T18:50:43	2005-02-02T18:34:04			
[s] Observation end time (MET)	223759507.184000	223759641.18992			
Observation end date	2005-02-02T19:24:03	2005-02-02T19:27:21			

2.3 Aspect



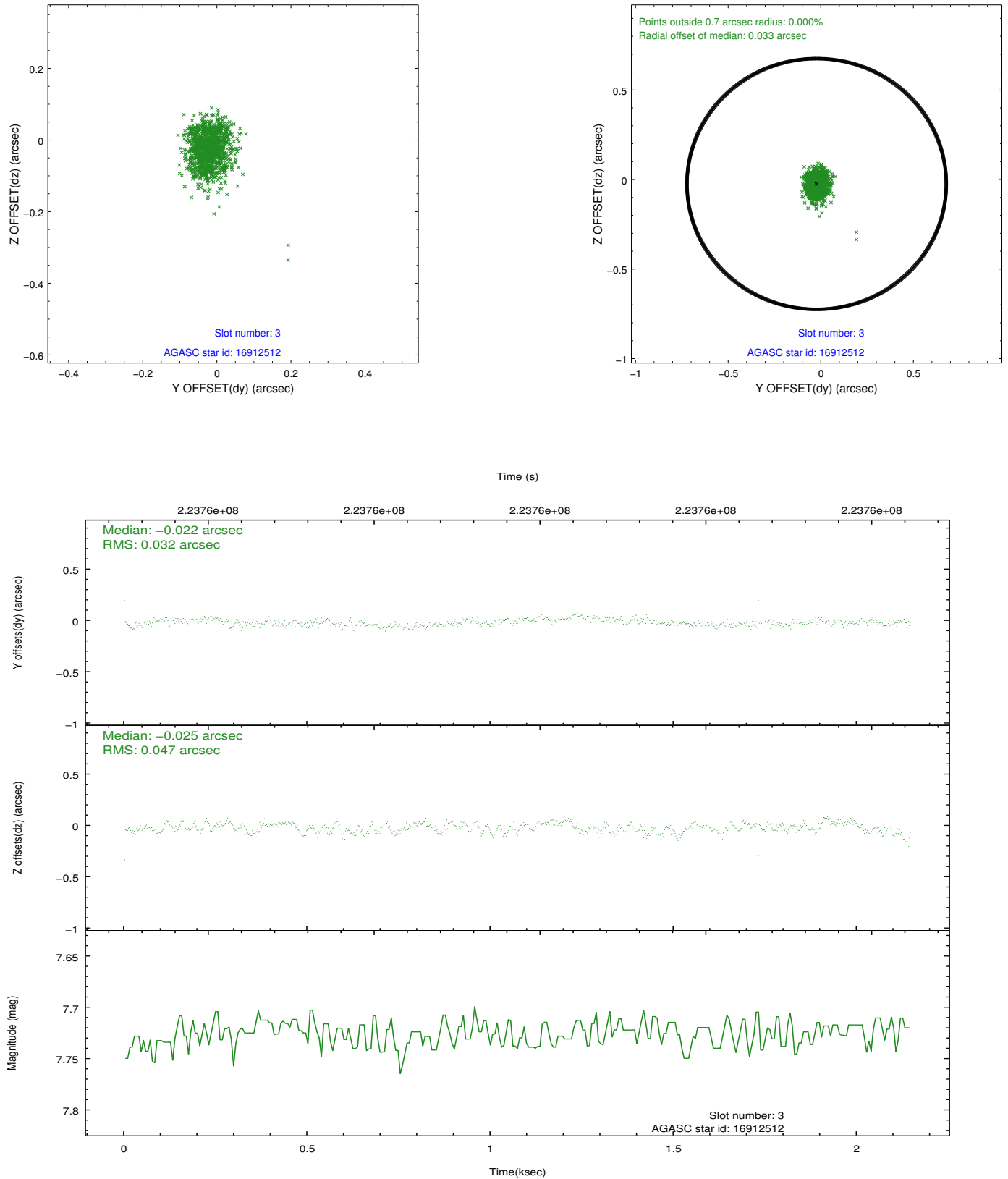


Slot Statistics

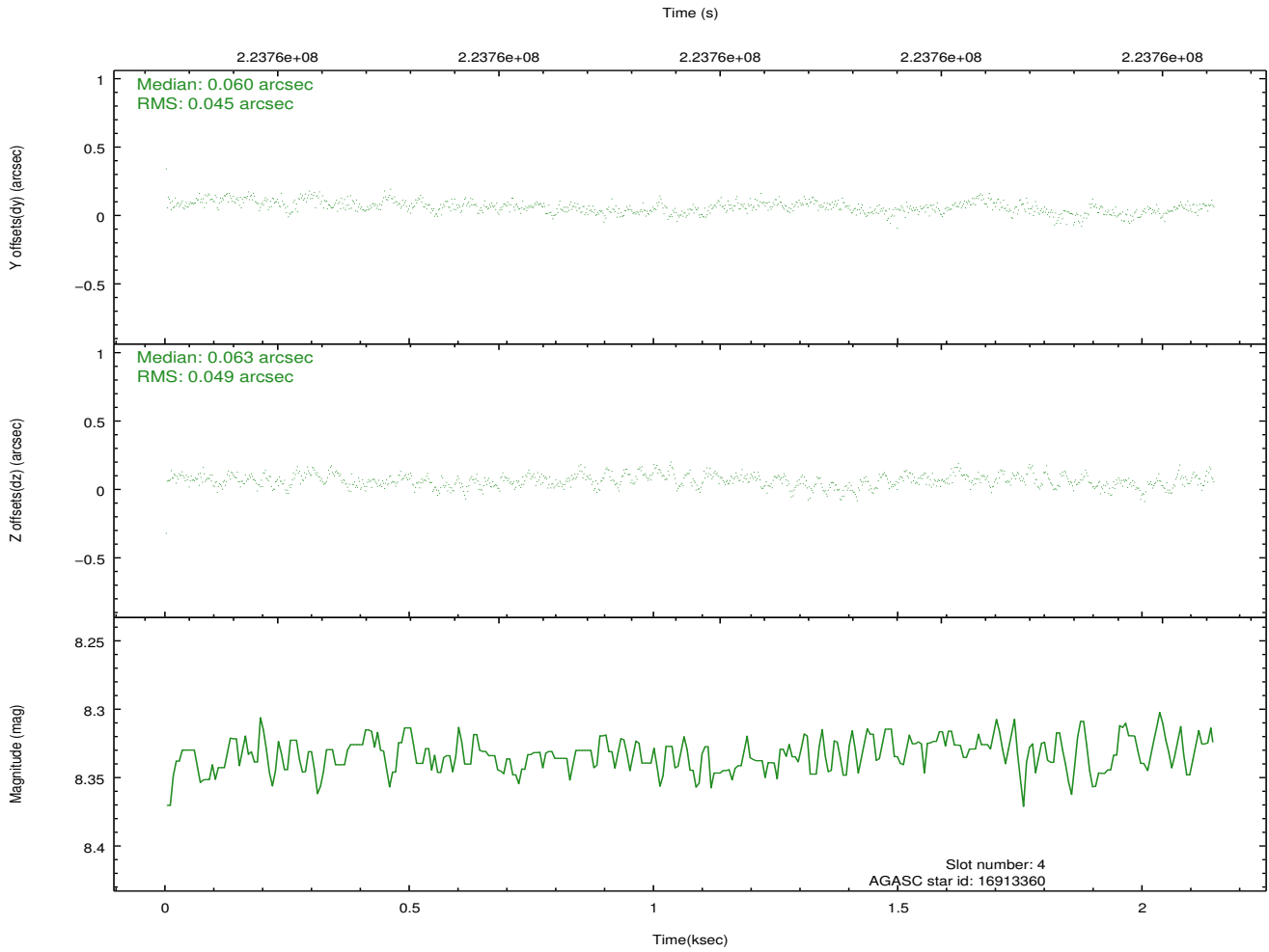
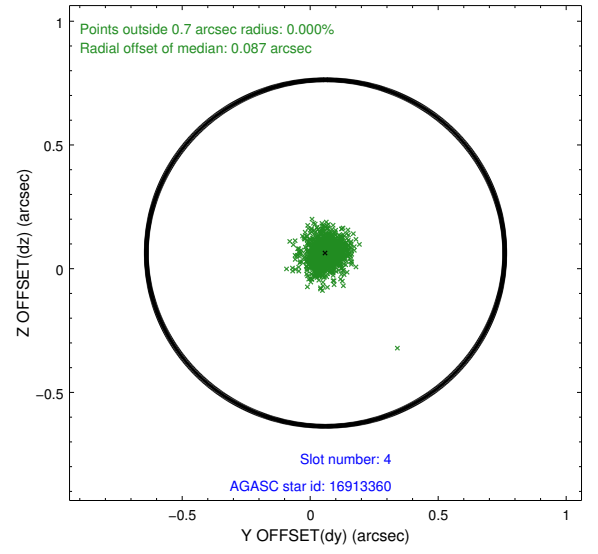
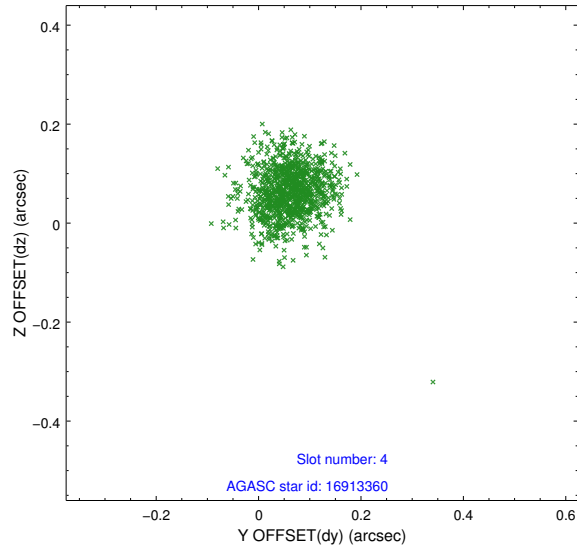
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	524	-0.045	-0.049	0.006	0.010	0.000000	0.000000	-763.47	-1298.18
1	FID	HRC-I-2	7.03	524	0.107	-0.042	0.007	0.011	0.000000	0.000000	847.86	-1302.28
2	FID	HRC-I-4	7.02	524	0.054	-0.001	0.006	0.011	0.000000	0.000000	1281.13	1001.47
3	GUIDE	16912512	7.73	1047	-0.022	-0.025	0.060	0.093	88.651510	7.129862	892.08	-701.23
4	GUIDE	16913360	8.33	1046	0.060	0.063	0.069	0.114	89.178373	7.247125	1000.49	1223.76
5	GUIDE	16918912	8.66	1047	0.166	0.177	0.069	0.117	89.257075	6.922287	2202.48	1177.90
6	GUIDE	93856056	7.98	1047	-0.024	-0.097	0.063	0.099	88.147460	7.547925	-1046.45	-2018.60
7	GUIDE	93727304	8.27	1046	-0.180	-0.112	0.070	0.117	88.040179	7.731431	-1790.10	-2208.28

2.4 Star Slots

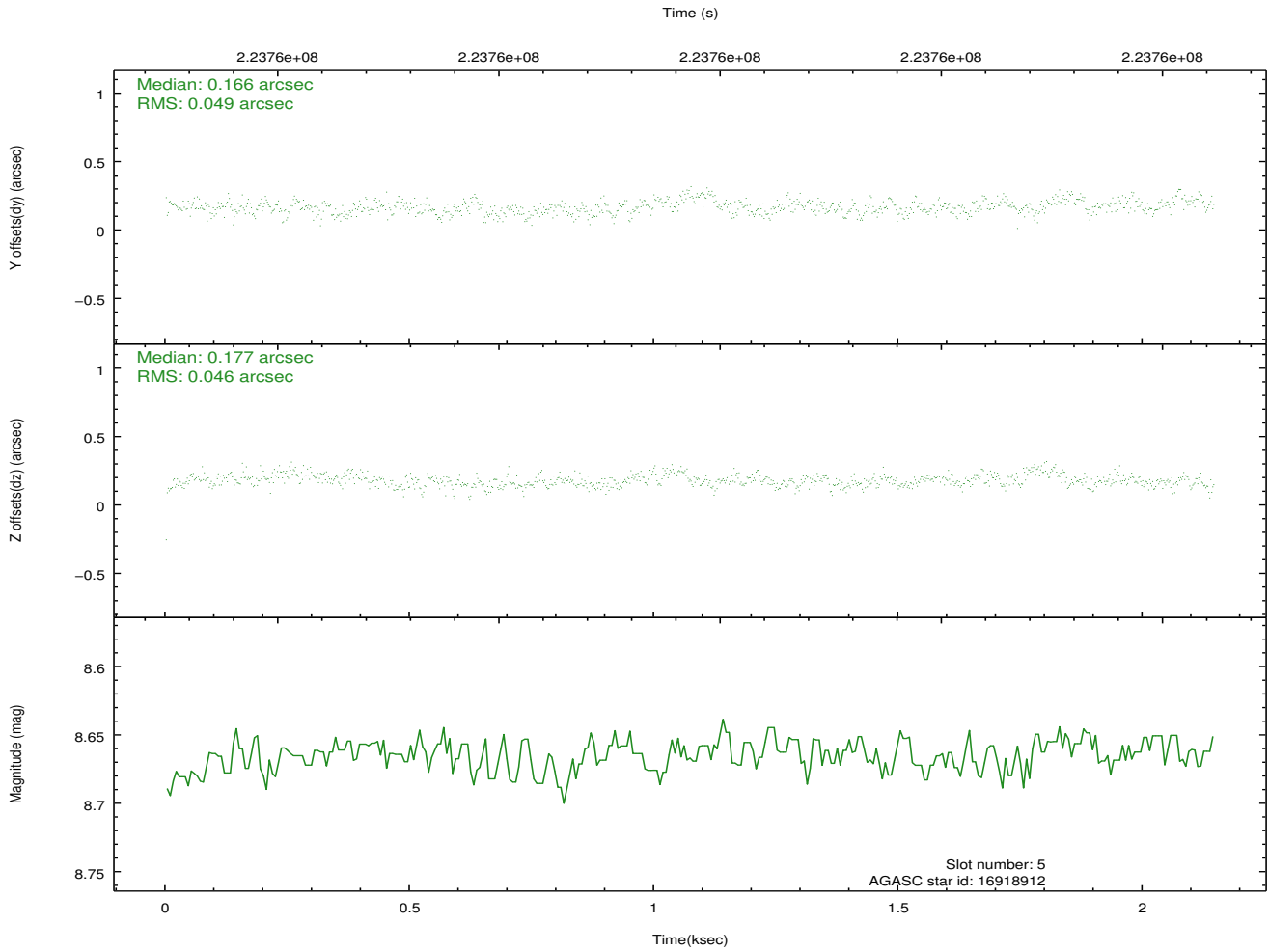
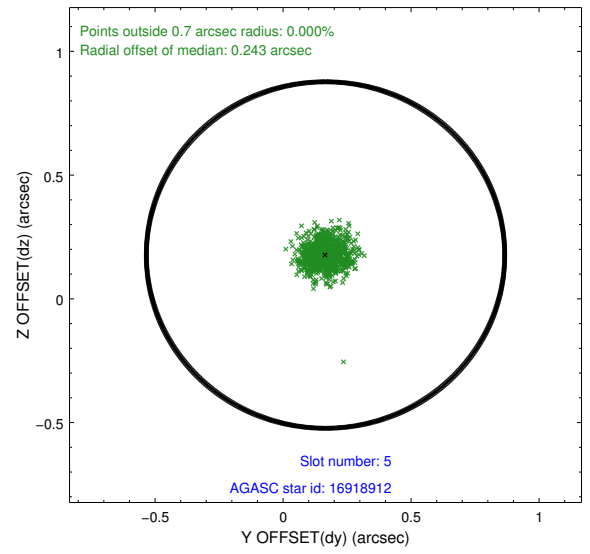
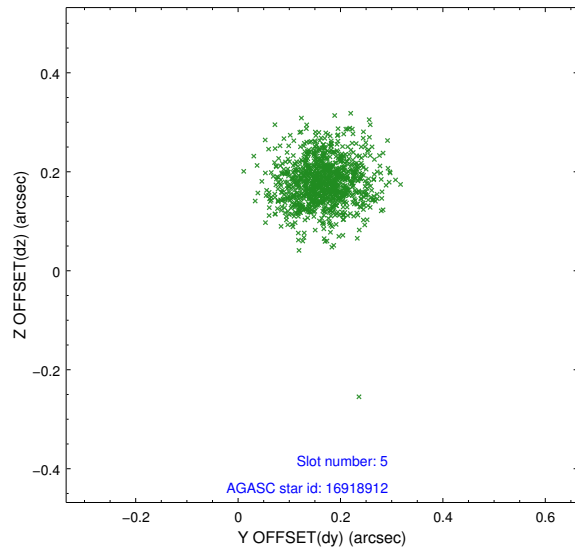
2.4.1 Slot 3



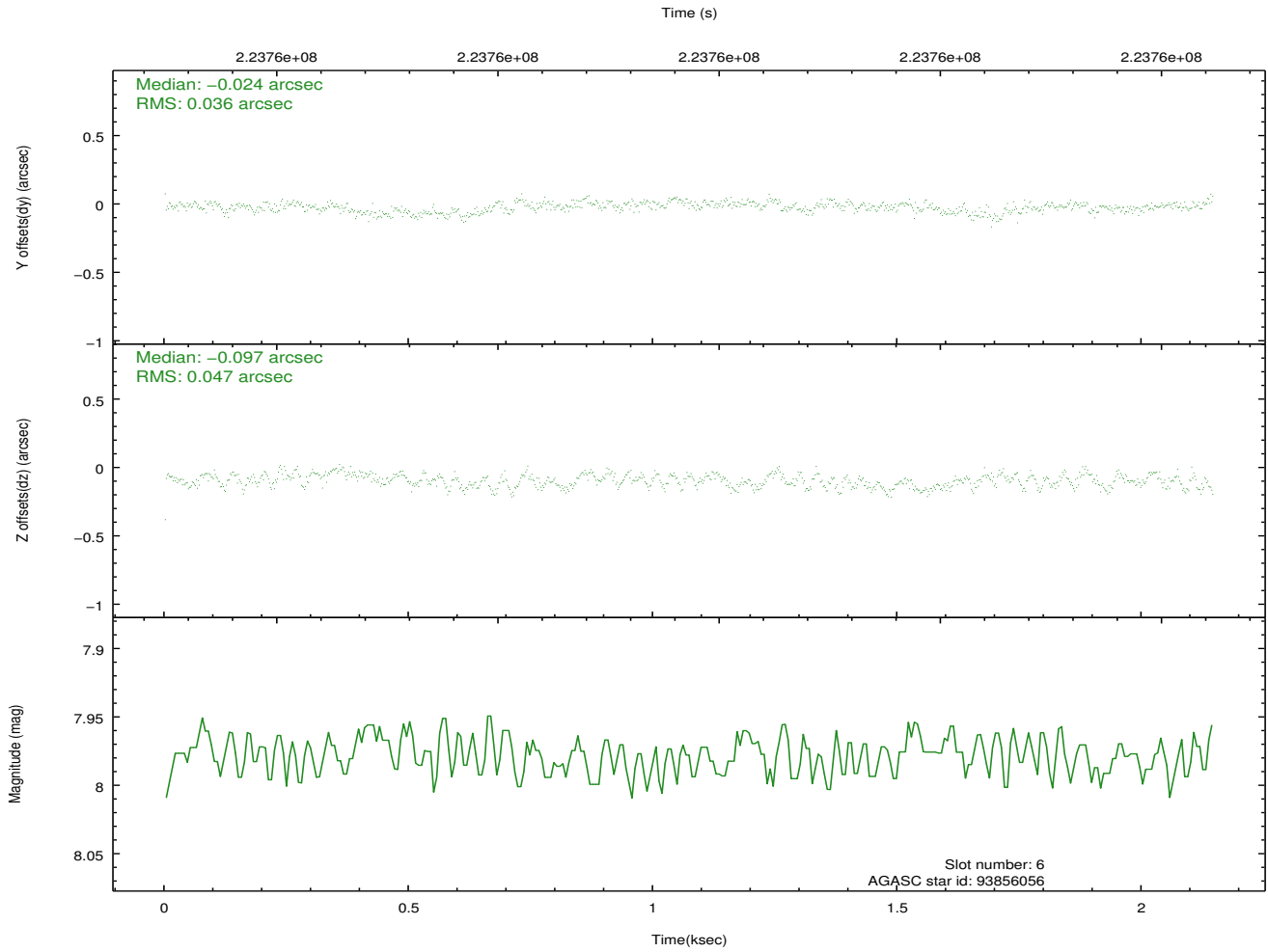
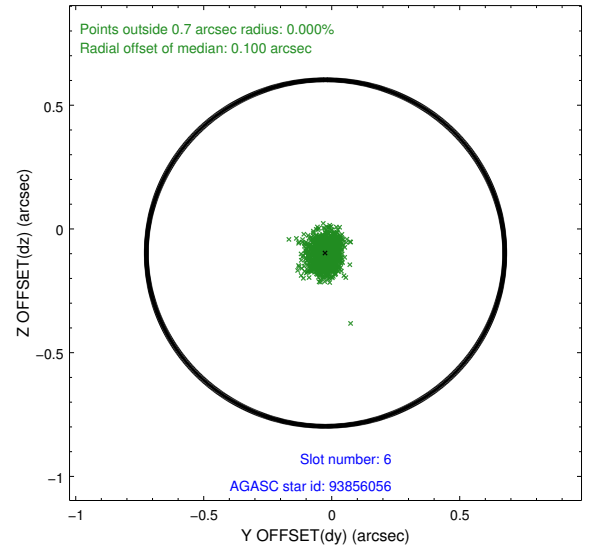
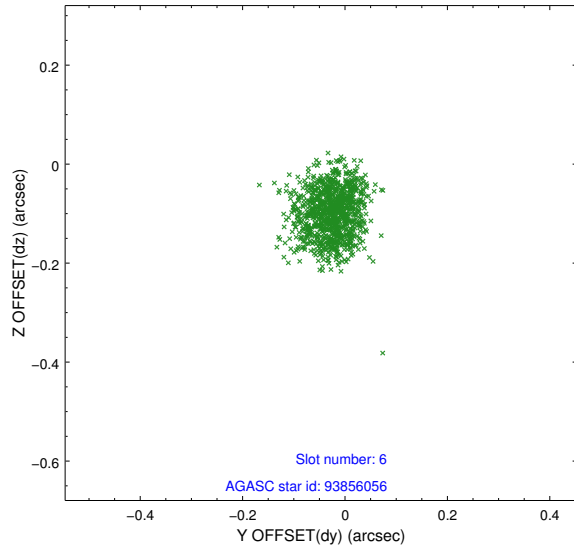
2.4.2 Slot 4



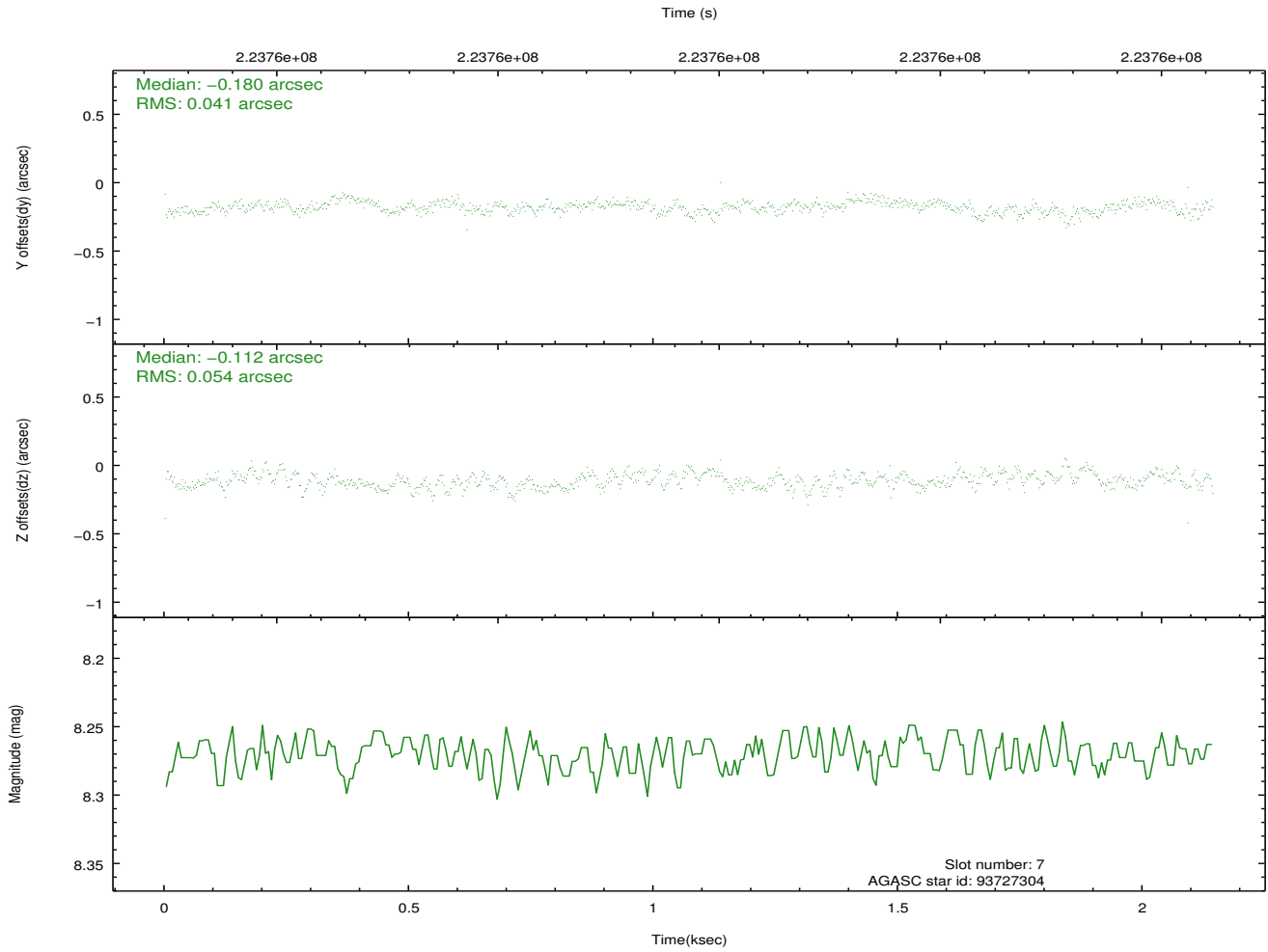
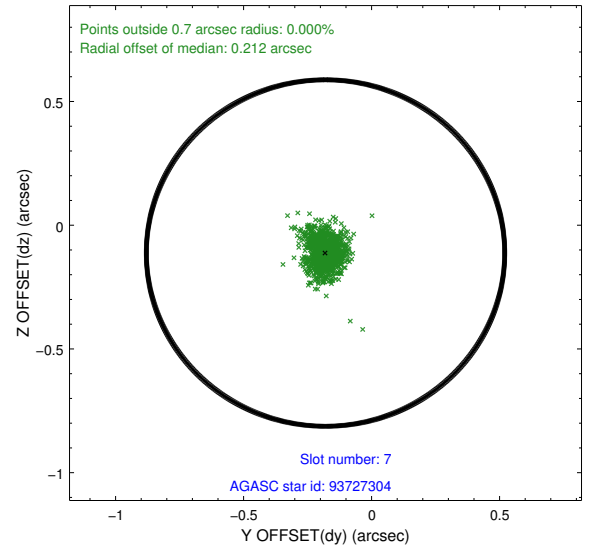
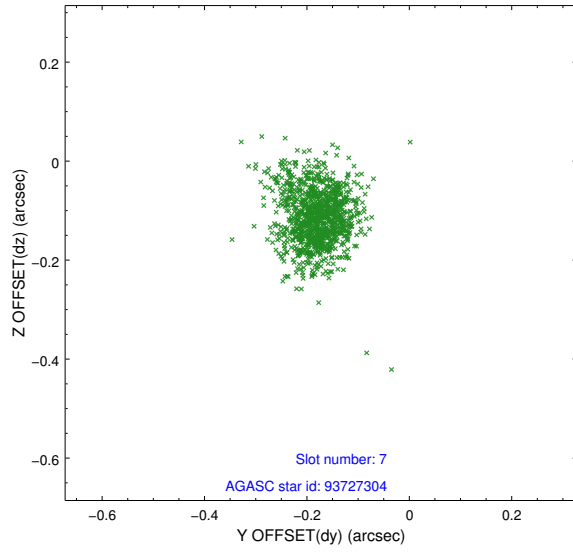
2.4.3 Slot 5



2.4.4 Slot 6

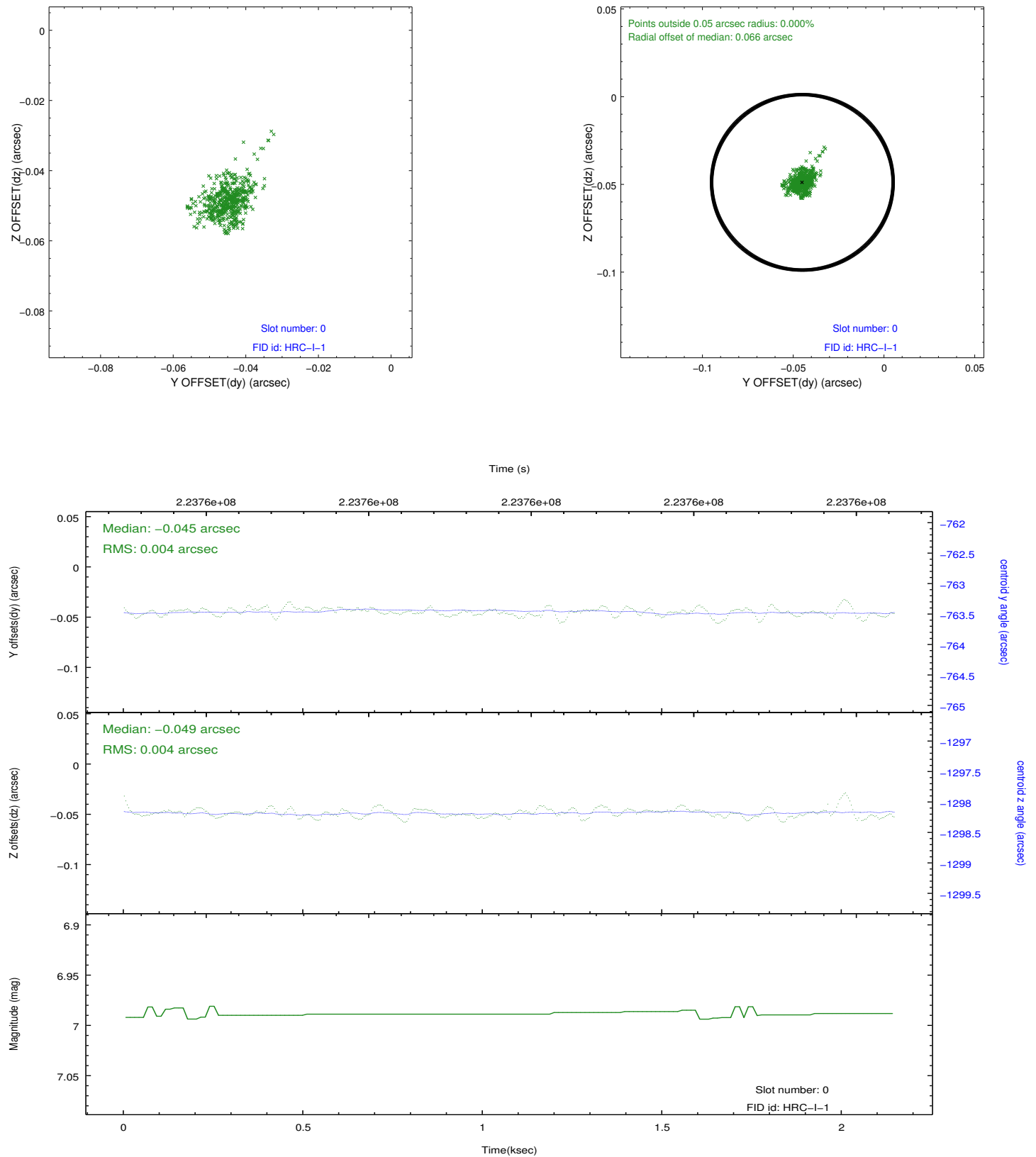


2.4.5 Slot 7

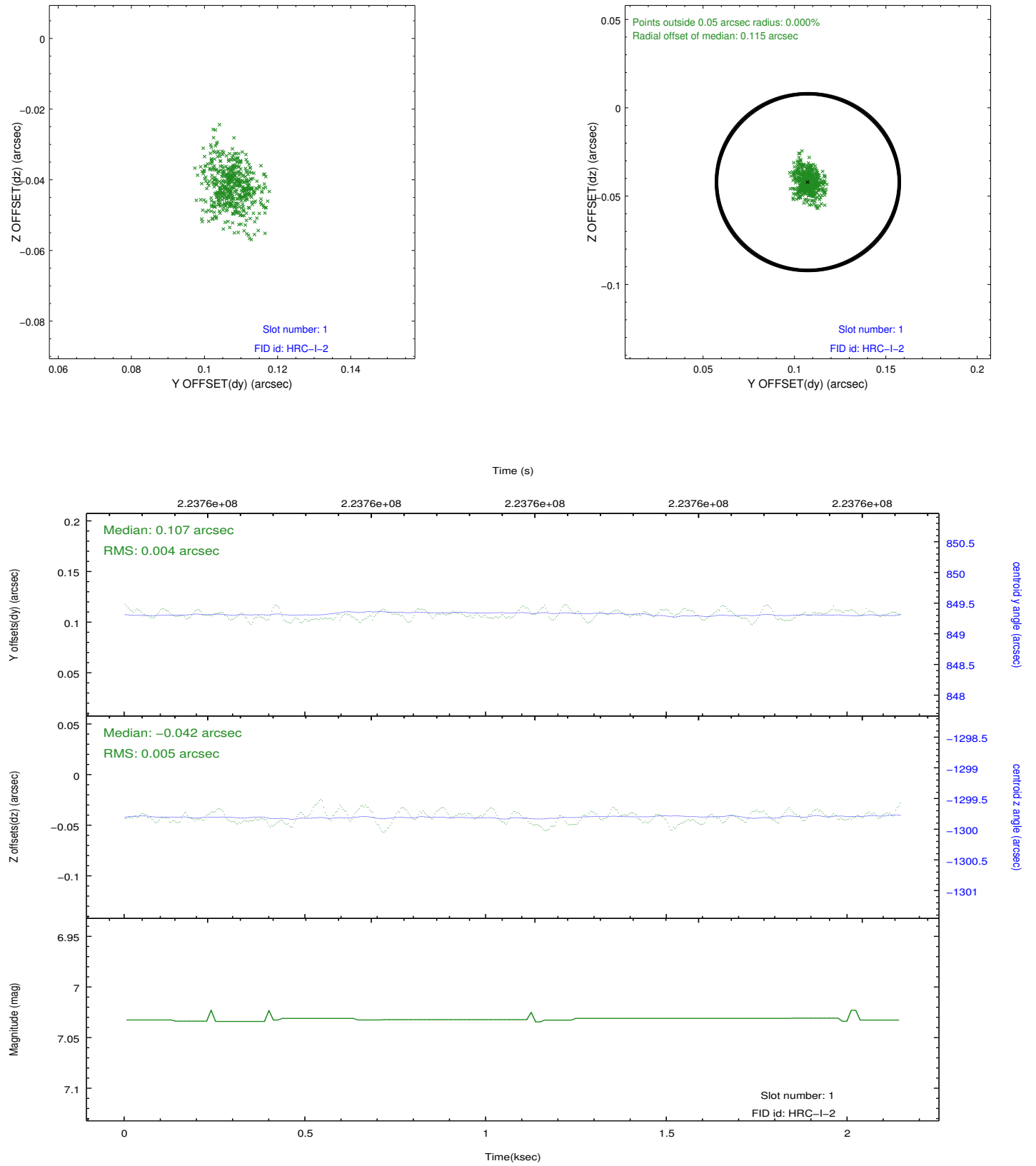


2.5 FID Slots

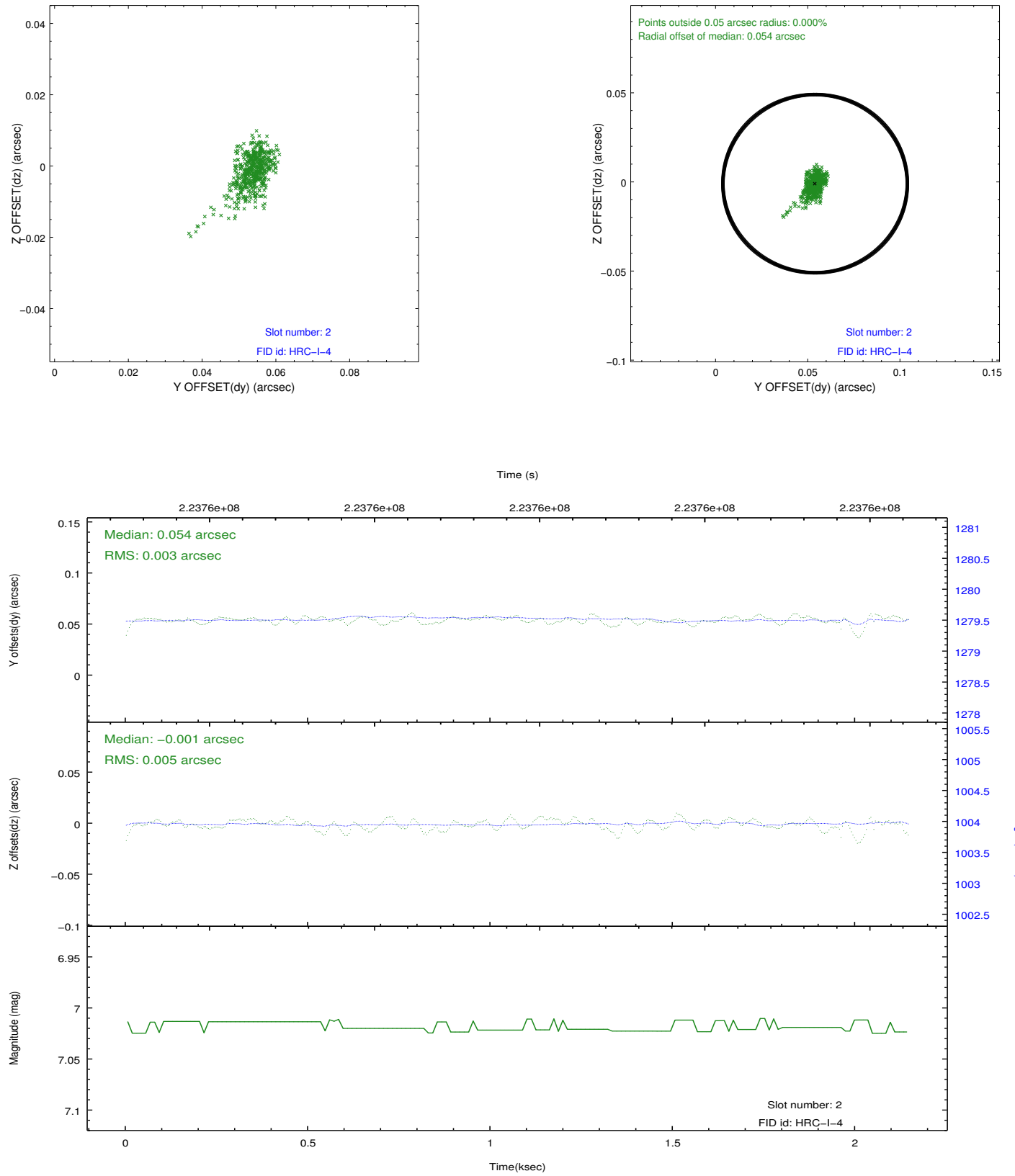
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.143531

A.2 Comments

Window constraint met.