

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4293 - L2 Version 4
Chandra X-Ray Center

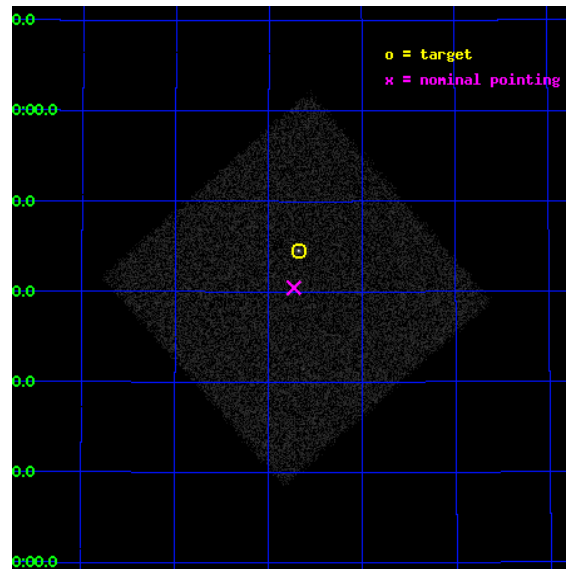
L2 Processing Date : Oct 23 2012

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

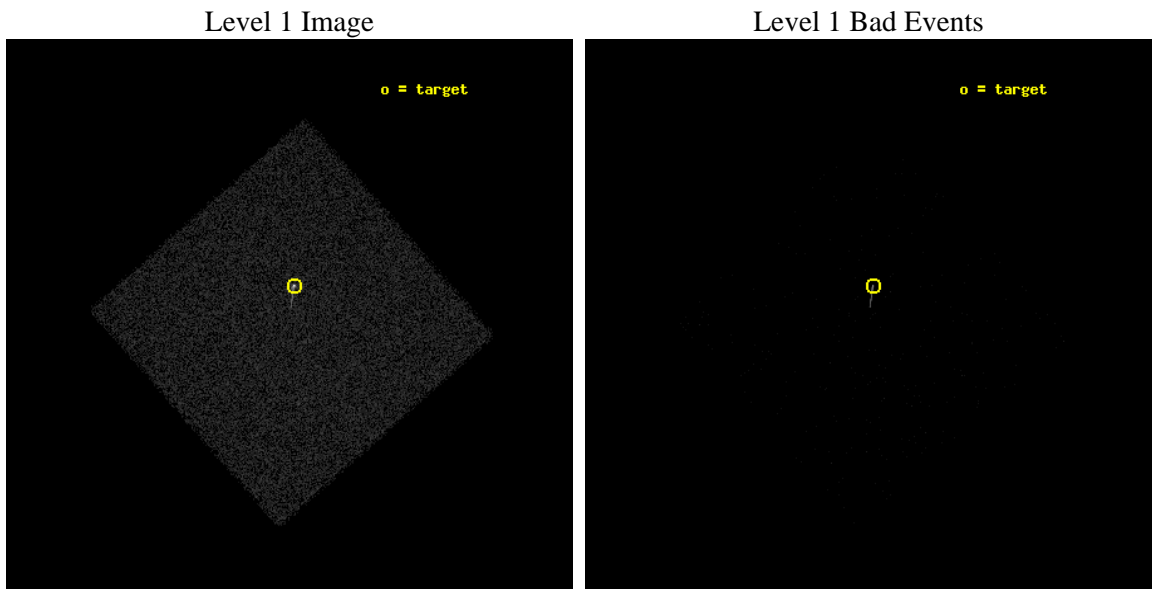
seq_num	290253	Sequence number
obs_id	4293	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18255456598	Nominal RA [deg]
dec_nom	45.674003544987	Nominal Dec [deg]
roll_nom	3.6291683550224	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1190.2813000679	[s]
livetime	1182.8415998589	Ontime multiplied by DTCOR
l2events	47167	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	1190.2813000679	[s]
caldbver	4.5.2	 	l1events	86109	Number of level 1 events
date	2012-10-23T09:26:56	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

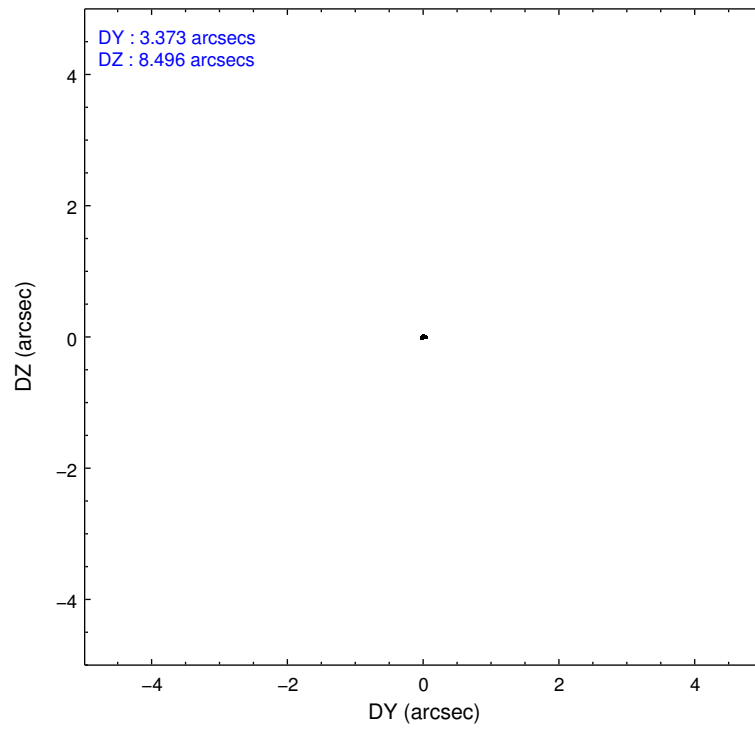
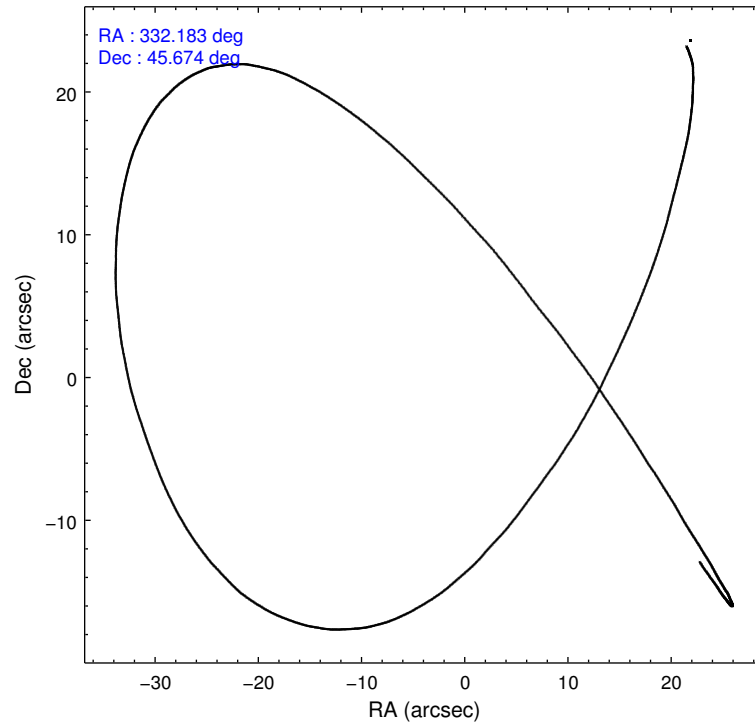
Level 1 Events

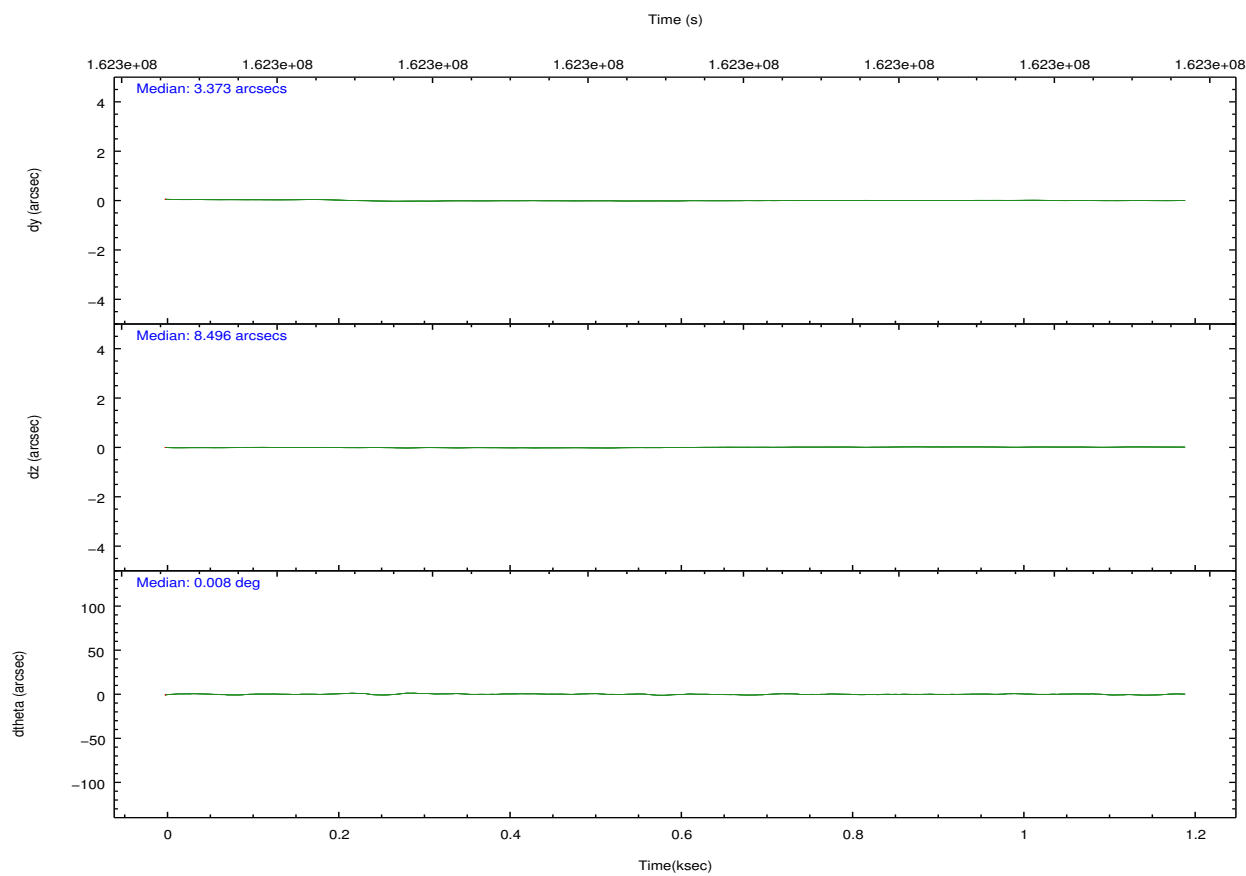
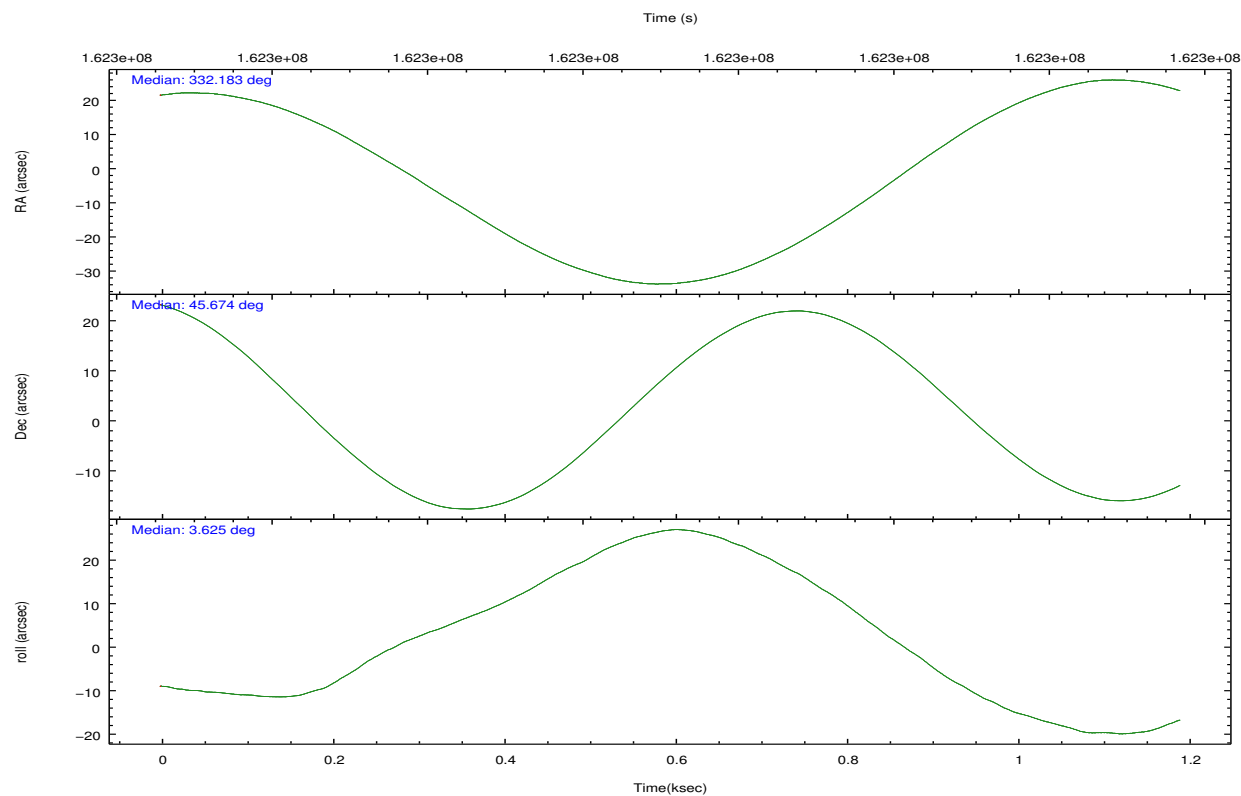
	segment 0
level 1 events	86109
rejected events	20113
rejected %	23%

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	332.150071	332.1825545659826			
[deg] Pointing Dec	45.658890	45.67400354498723			
[deg] Pointing Roll	3.747872	3.629168355022356			
[s] Window start time (MET)	161697664.184000	161697664.184000			
[s] Window stop time (MET)	165412864.184000	165412864.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	162298108.184000	162297732.11973			
Observation start date	2003-02-22T10:47:24	2003-02-22T10:42:12			
[s] Observation end time (MET)	162299108.184000	162299241.94479			
Observation end date	2003-02-22T11:04:04	2003-02-22T11:07:21			

2.3 Aspect



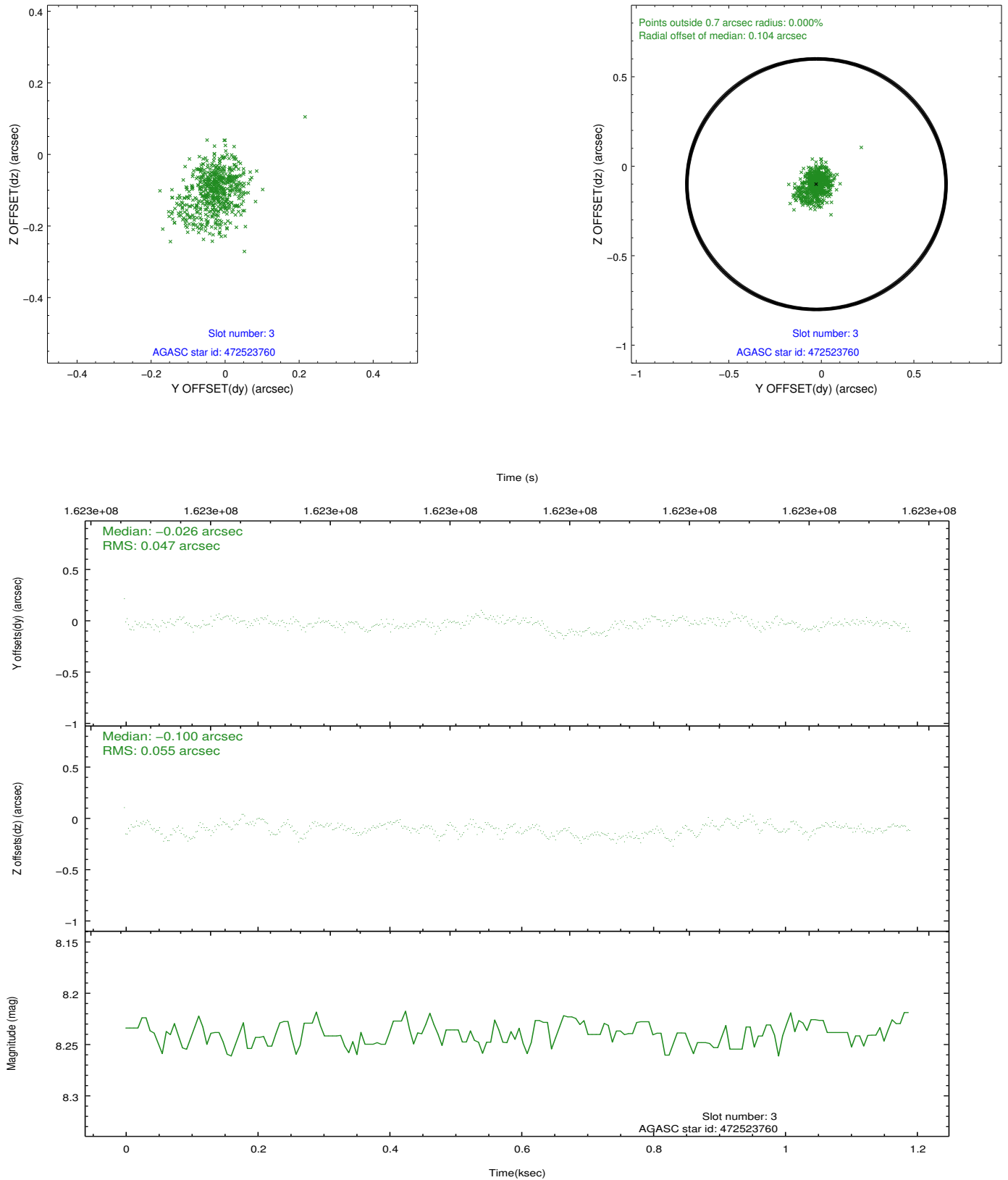


Slot Statistics

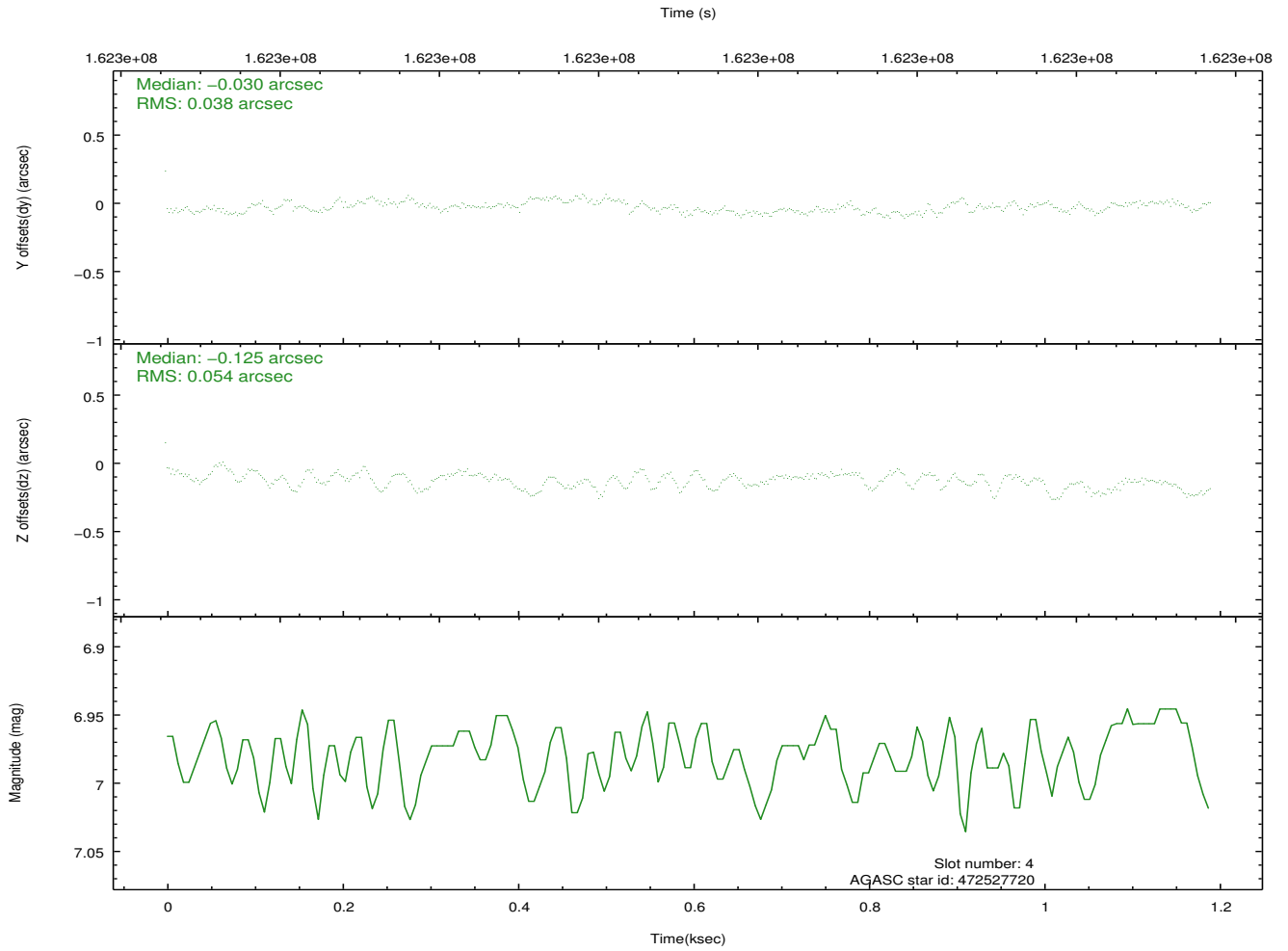
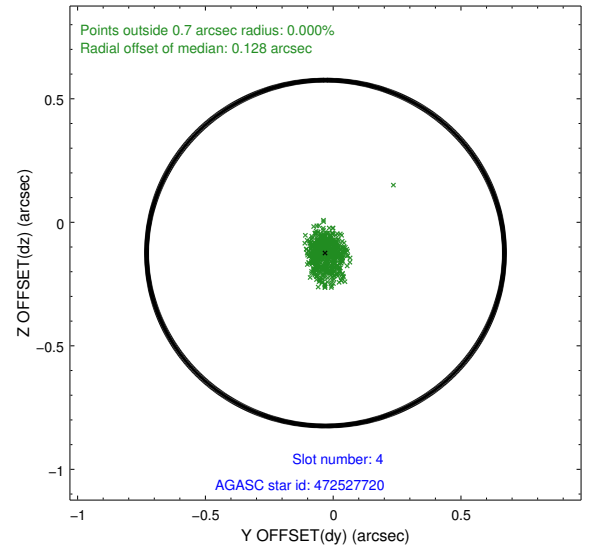
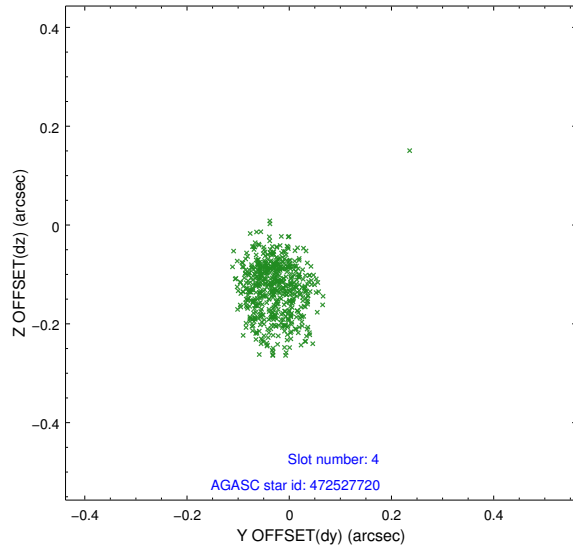
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	291	0.082	-0.034	0.006	0.009	0.000000	0.000000	853.86	-1298.03
1	FID	HRC-I-3	7.06	291	-0.012	0.011	0.005	0.009	0.000000	0.000000	-1184.43	1003.68
2	FID	HRC-I-4	7.01	291	0.049	-0.064	0.006	0.010	0.000000	0.000000	1279.91	1009.12
3	GUIDE	472523760	8.24	582	-0.026	-0.100	0.076	0.124	331.645363	45.403260	-1334.35	-829.38
4	GUIDE	472527720	6.98	582	-0.030	-0.125	0.068	0.114	331.460205	45.112509	-1880.73	-1840.67
5	GUIDE	472655152	9.43	582	0.136	0.028	0.093	0.147	332.504239	45.862991	929.56	675.76
6	GUIDE	472659832	9.46	582	0.046	0.044	0.102	0.163	332.780399	46.098139	1674.01	1484.34
7	GUIDE	472652872	10.11	581	-0.118	0.167	0.145	0.247	332.255928	45.019274	119.72	-2310.69

2.4 Star Slots

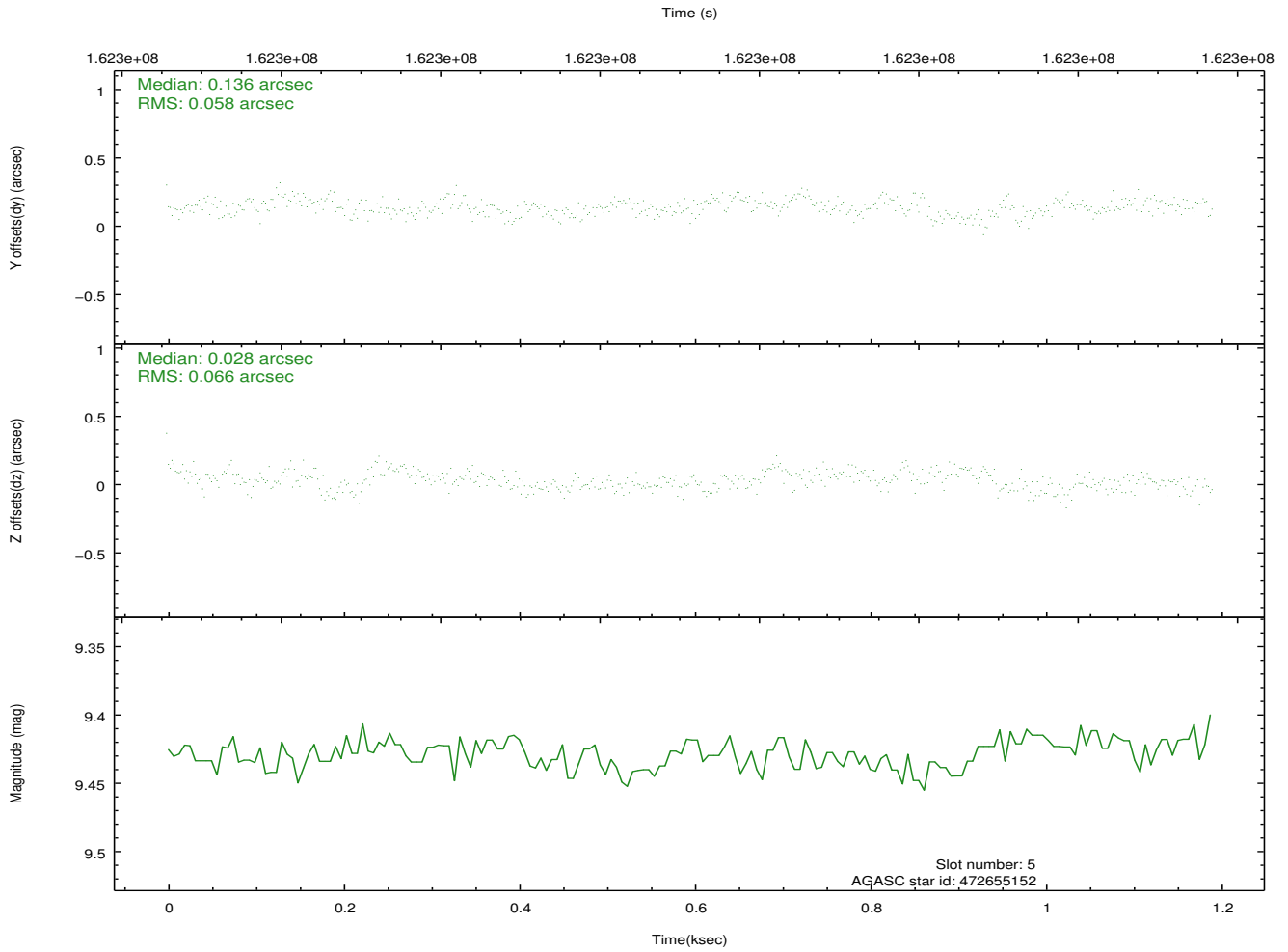
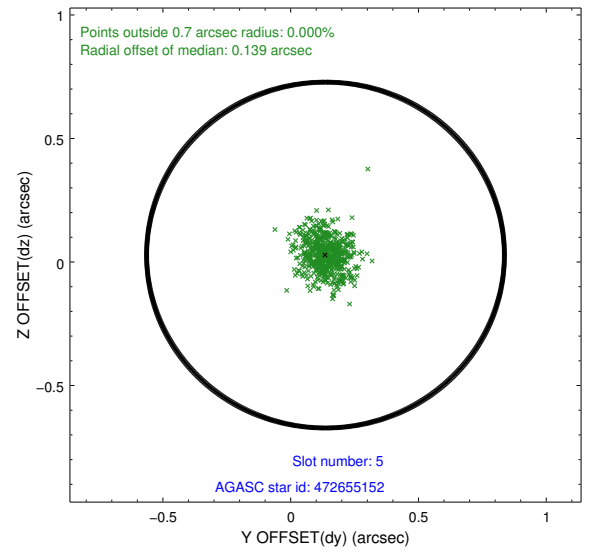
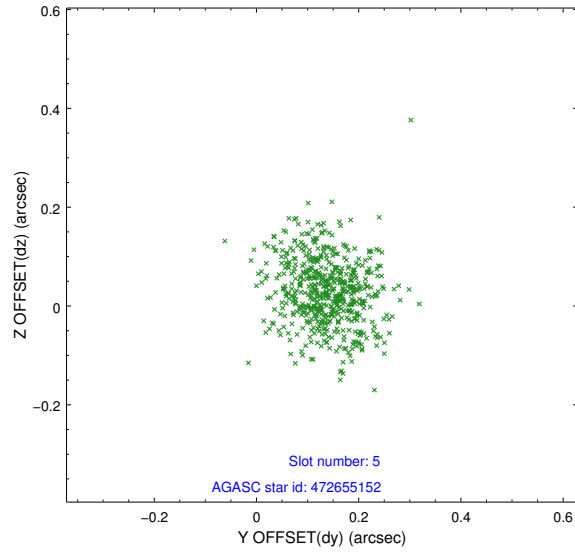
2.4.1 Slot 3



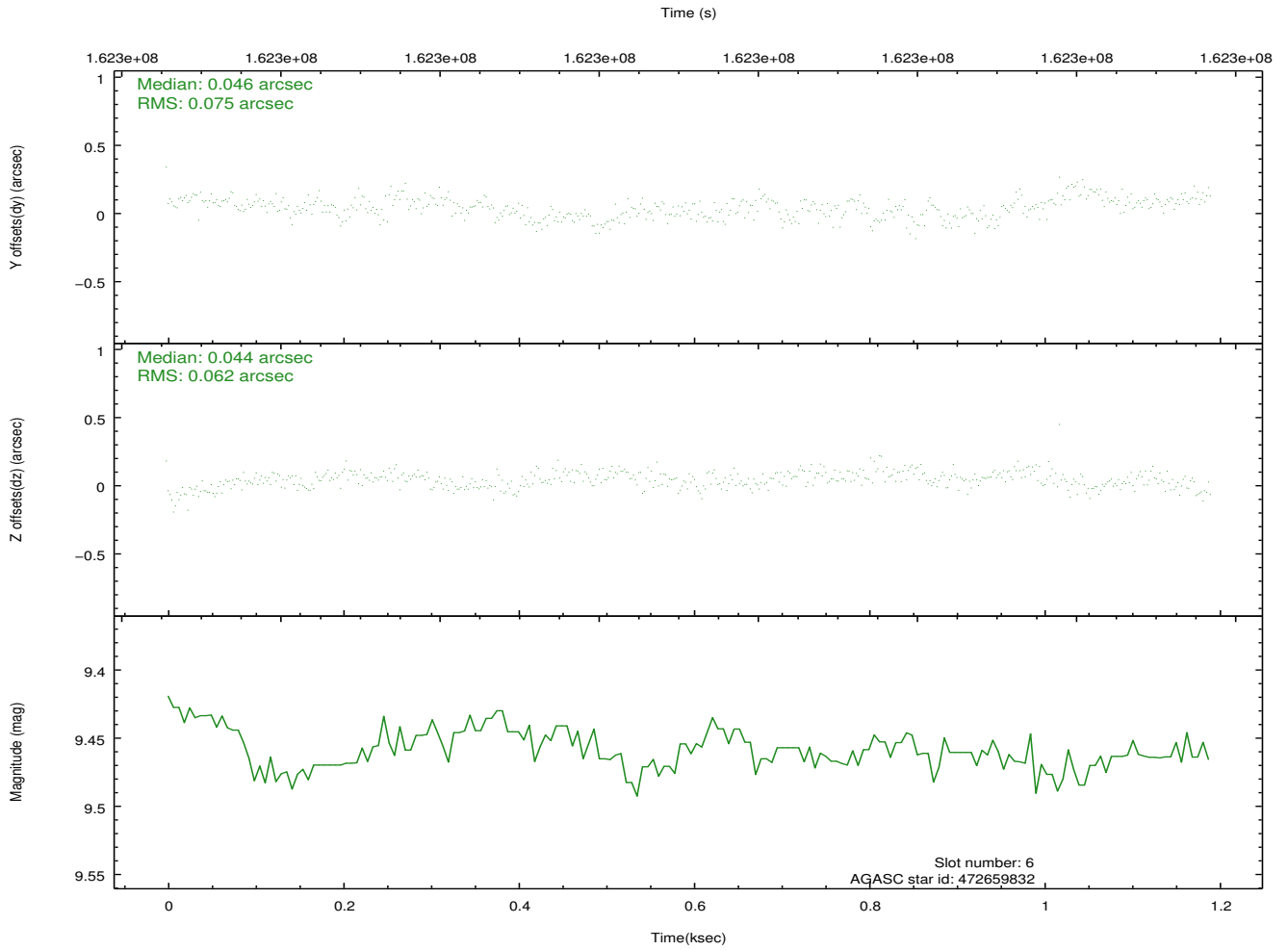
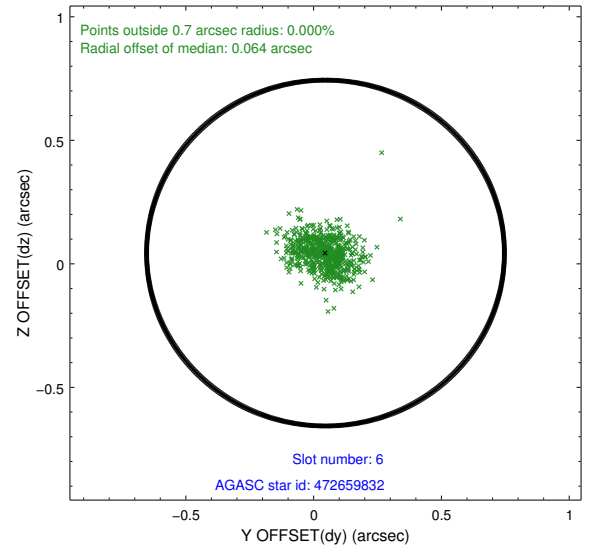
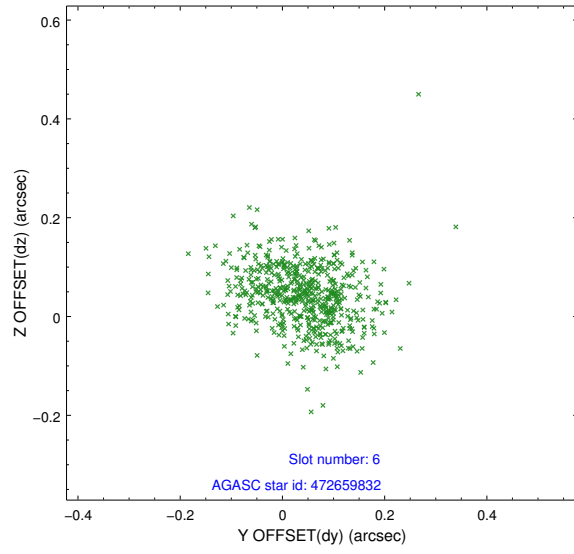
2.4.2 Slot 4



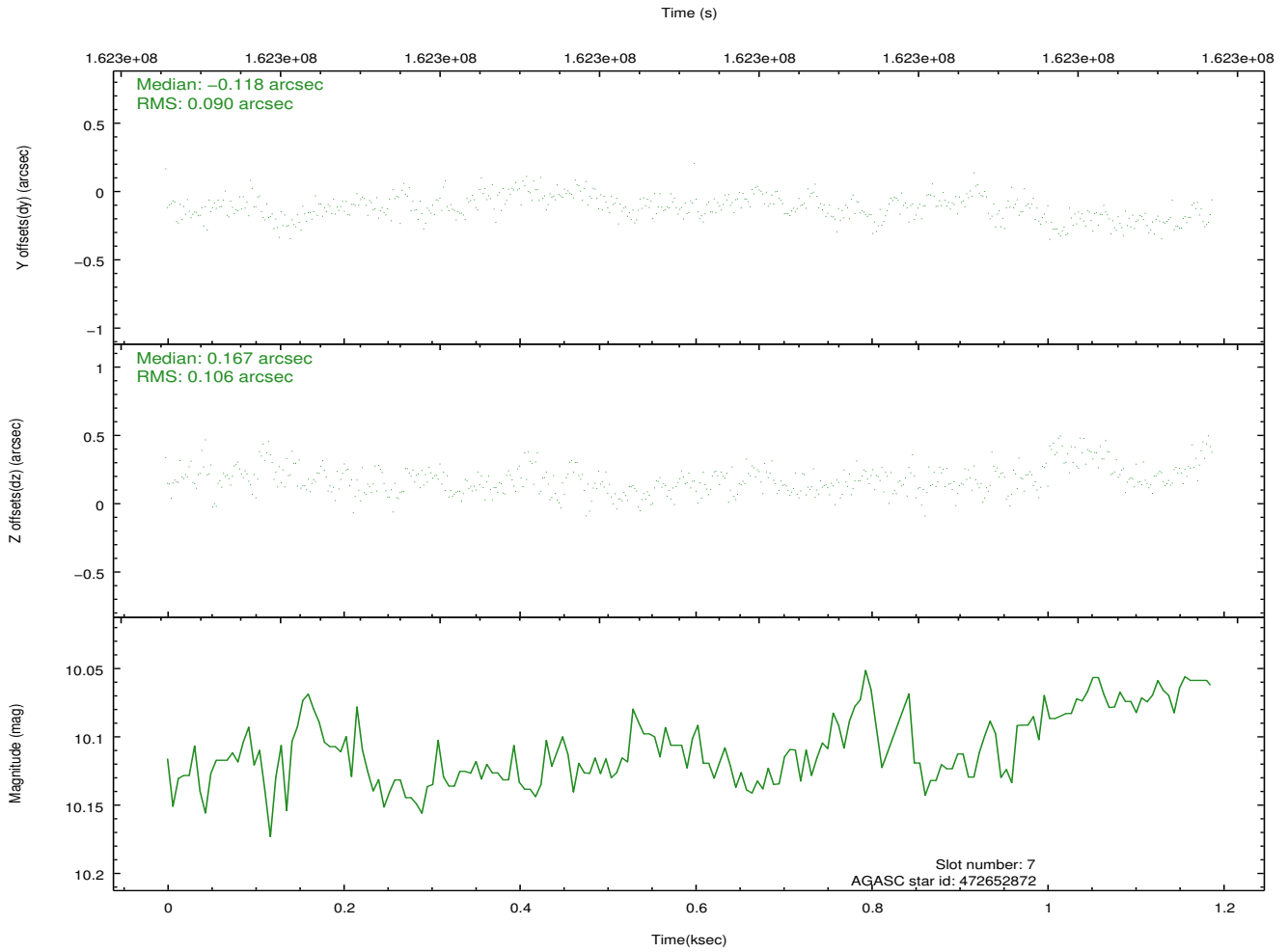
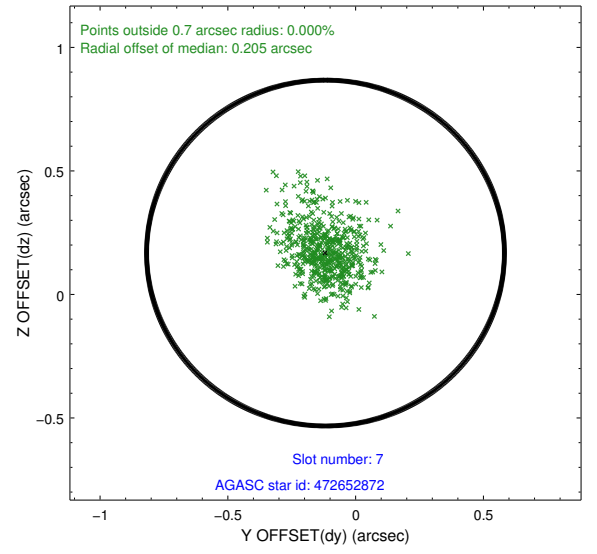
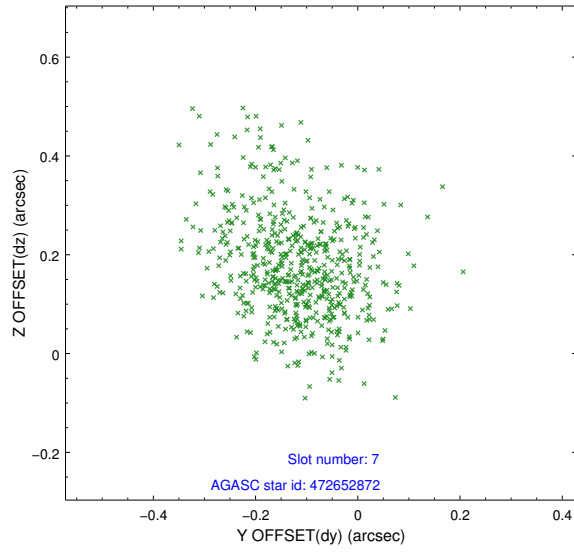
2.4.3 Slot 5



2.4.4 Slot 6

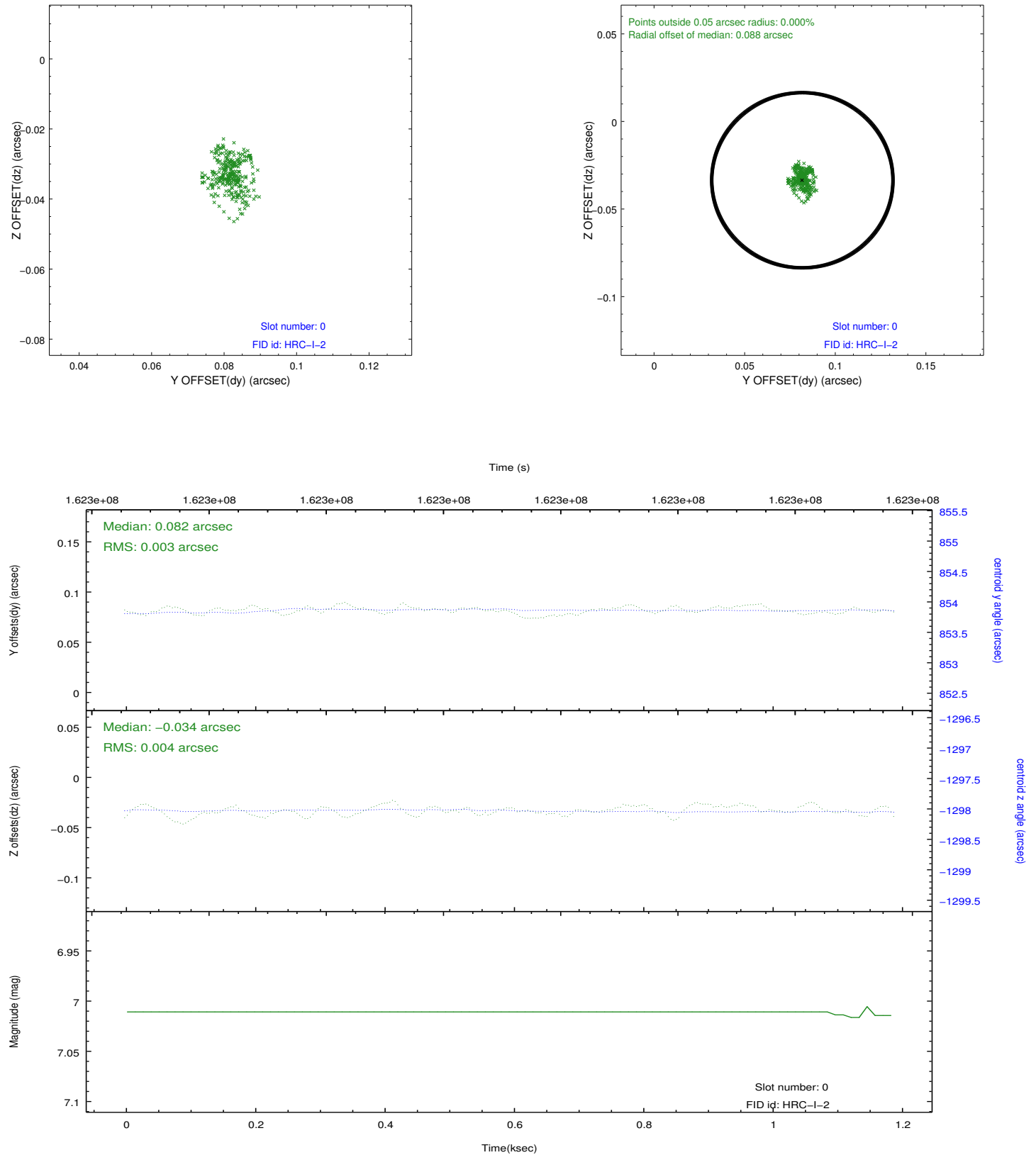


2.4.5 Slot 7

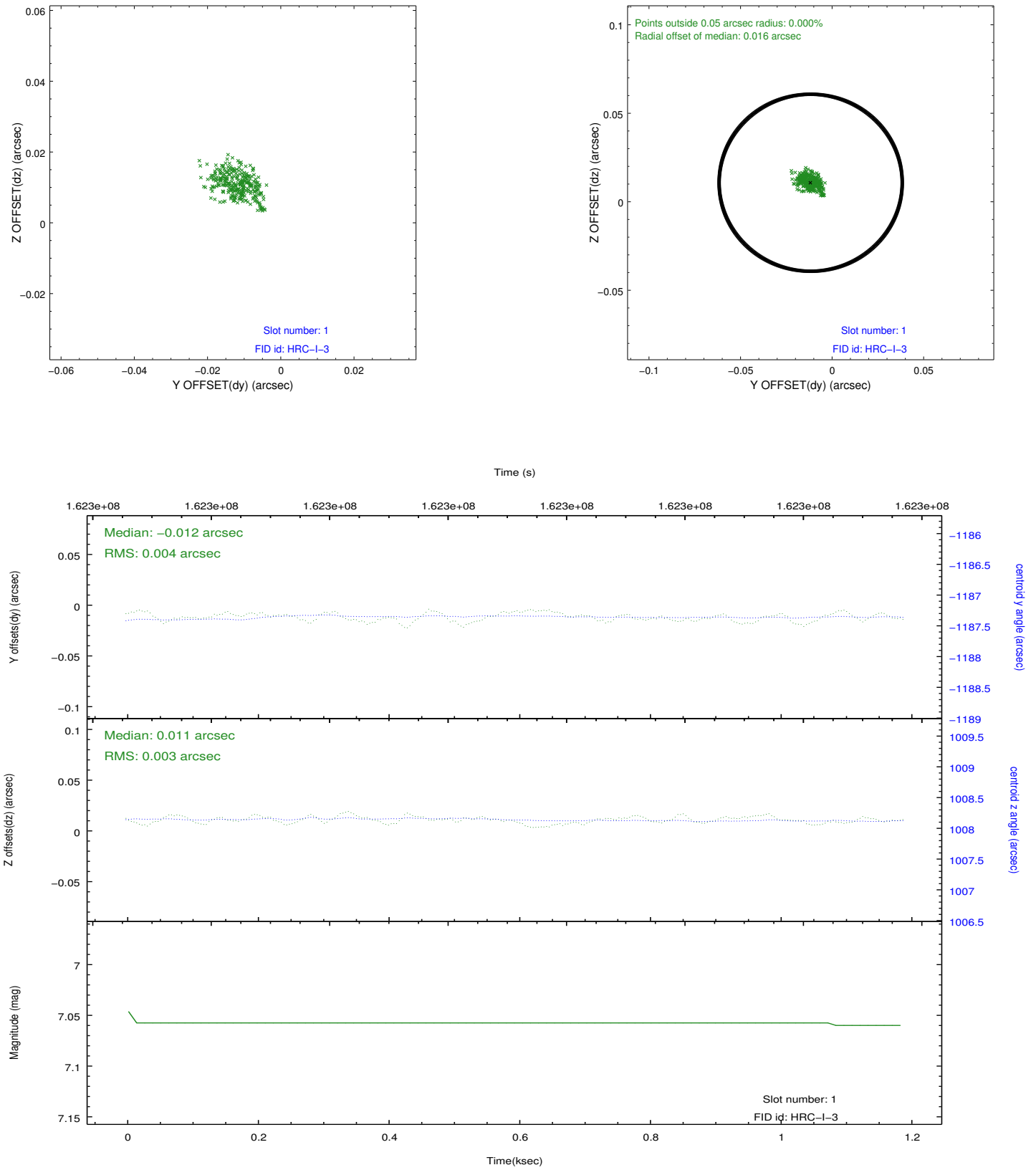


2.5 FID Slots

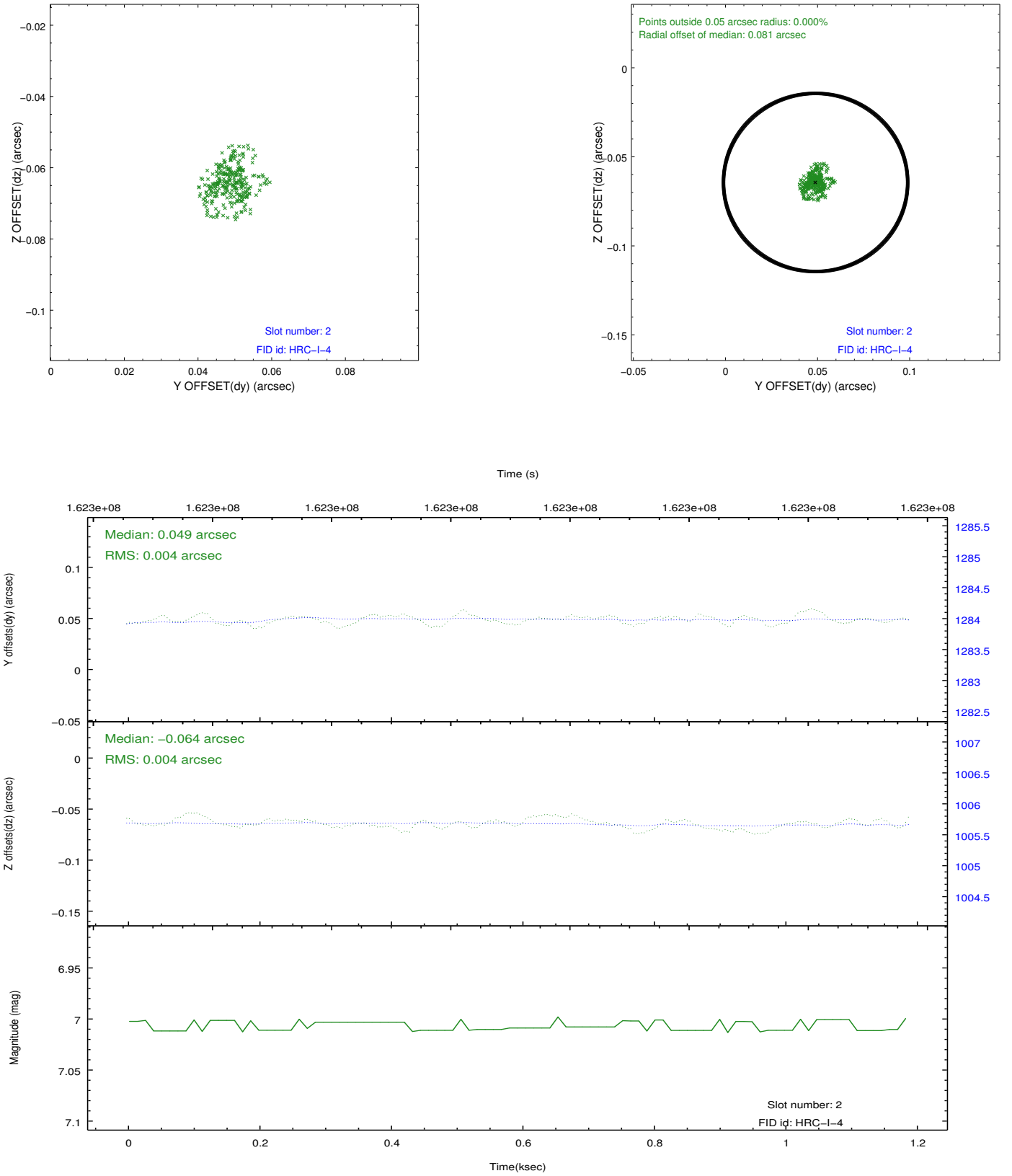
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

A.2 Comments

Window constraint met.