

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2625 - L2 Version 3
Chandra X-Ray Center

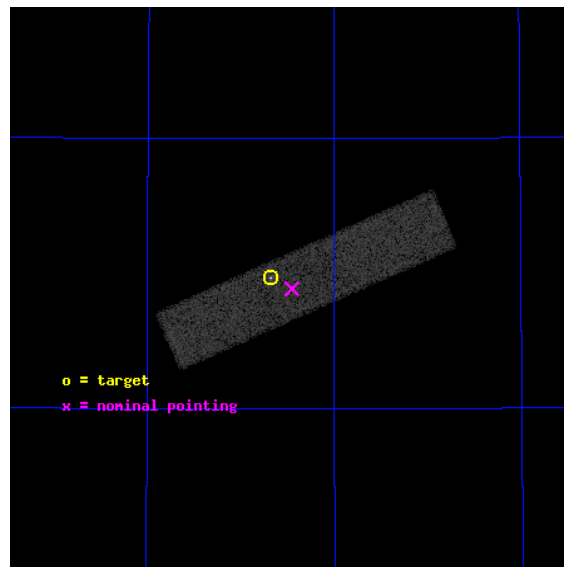
L2 Processing Date : Oct 1 2012

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

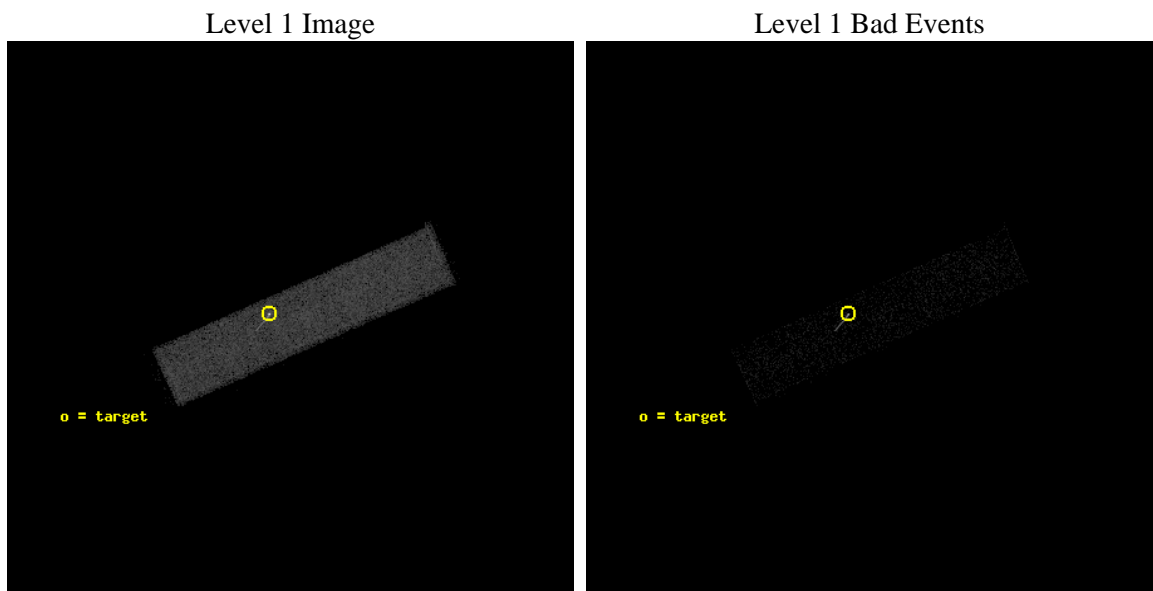
seq_num	290181	Sequence number
obs_id	2625	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11314803791	Nominal RA [deg]
dec_nom	45.722288506454	Nominal Dec [deg]
roll_nom	336.21500400018	Nominal Roll [deg]
revision	3	Processing version of data
ontime	971.95628917217	[s]
livetime	966.22692475205	Ontime multiplied by DTCOR
l2events	39808	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	971.95628917217	[s]
caldsver	4.5.2	 	l1events	59103	Number of level 1 events
date	2012-10-01T02:59:45	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

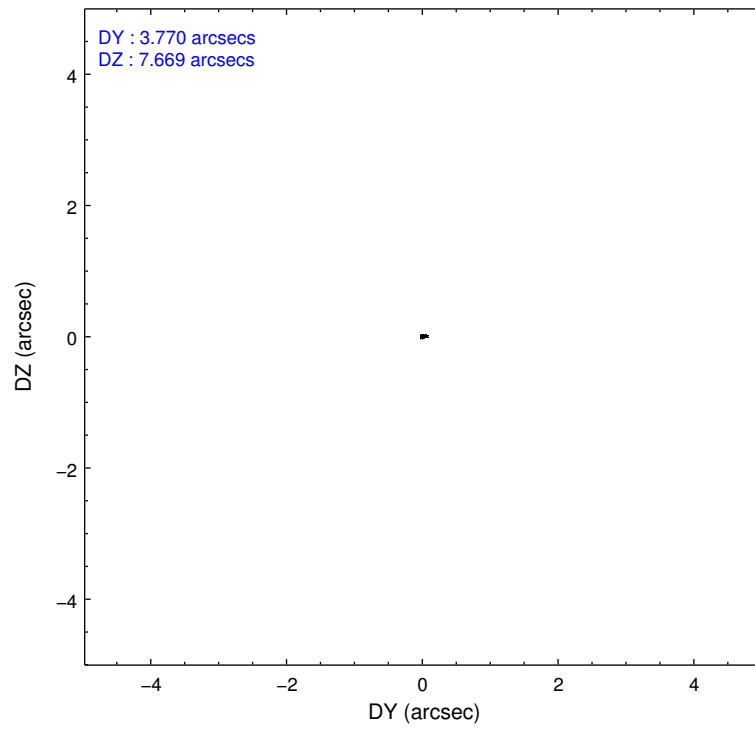
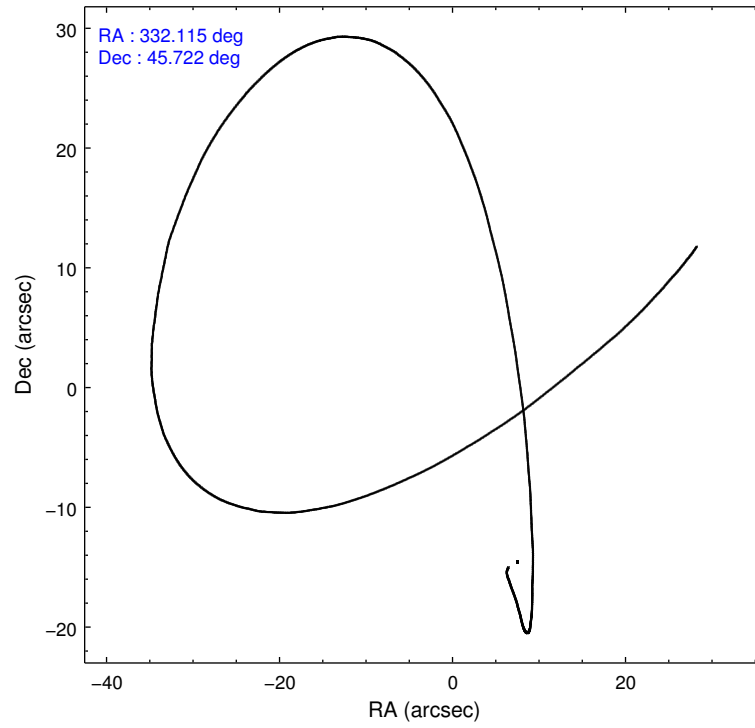
Level 1 Events

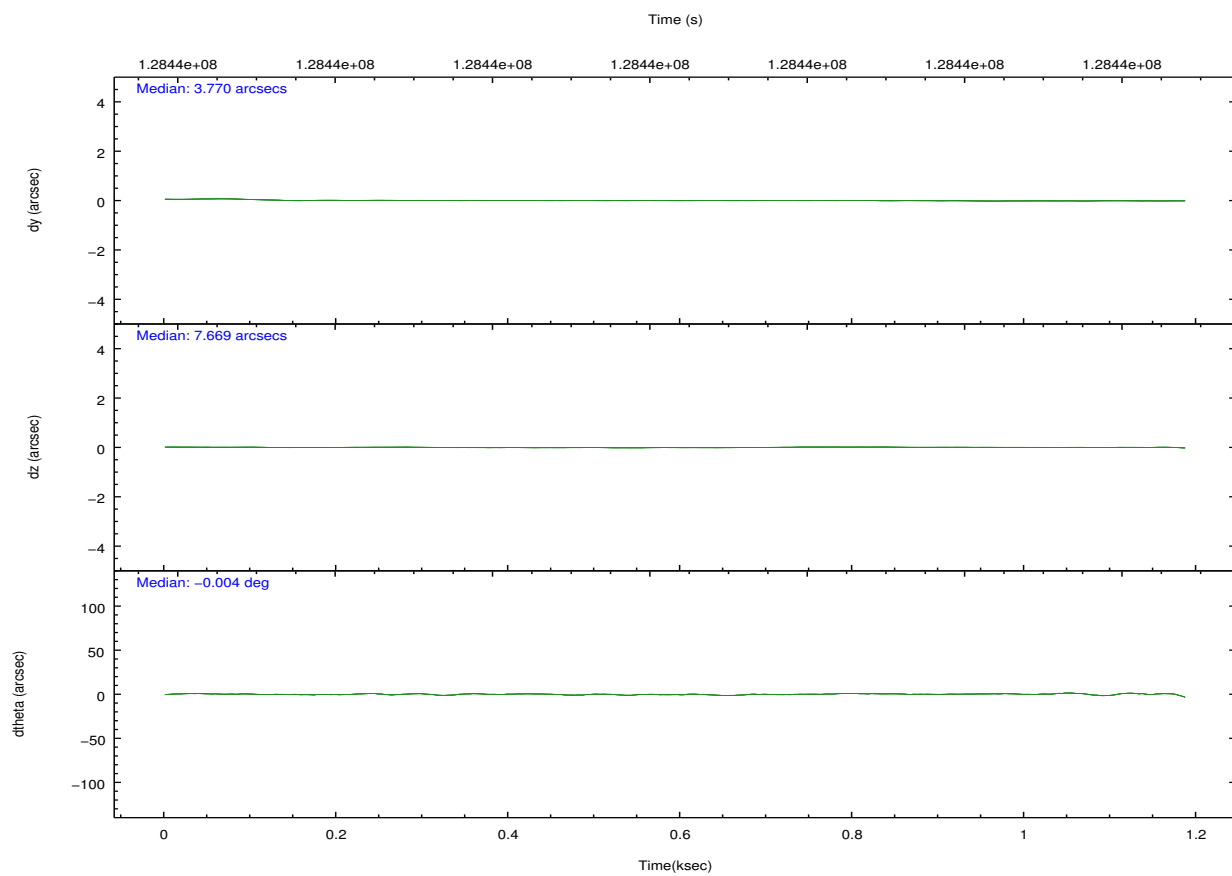
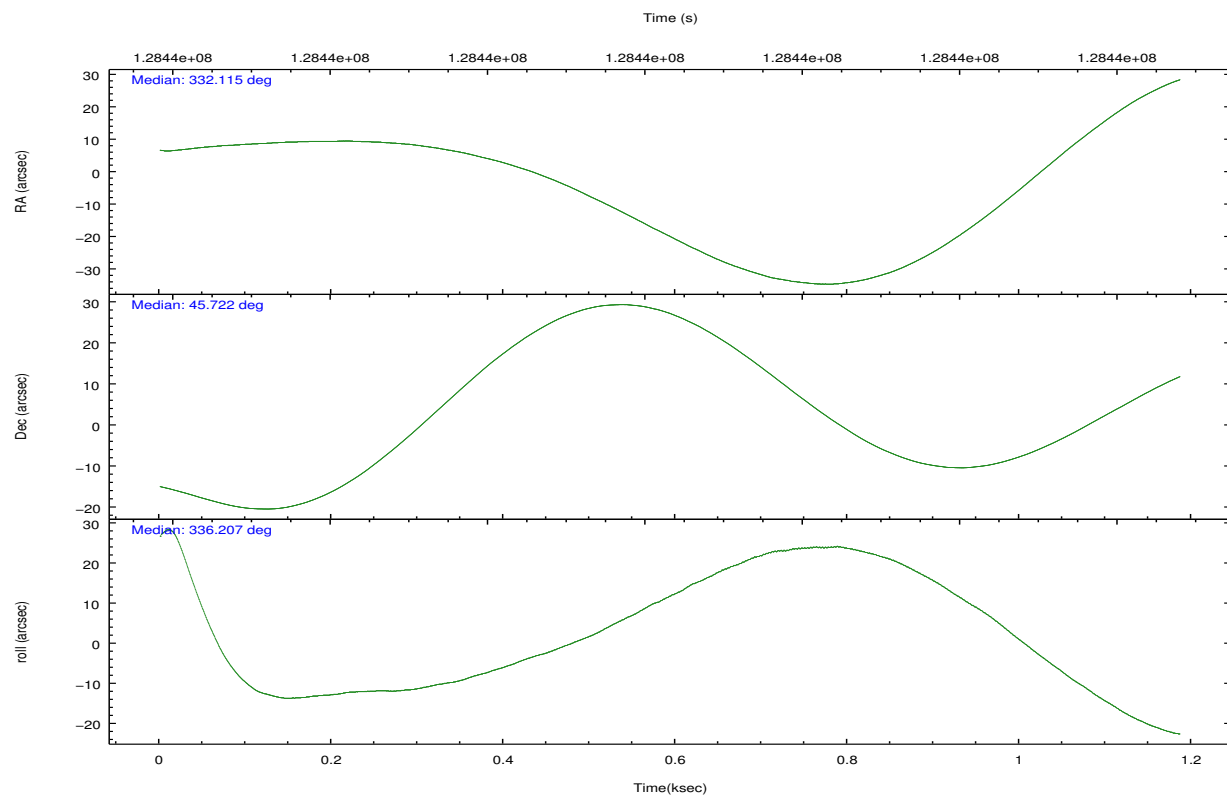
	segment 1	segment 2	segment 3
level 1 events	0	59103	0
rejected events	0	10986	0
rejected %	0%	18%	0%

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	332.072600	332.1131480379138			
[deg] Pointing Dec	45.718803	45.72228850645415			
[deg] Pointing Roll	336.176277	336.2150040001786			
[s] Window start time (MET)	126230464.184000	126230464.184000			
[s] Window stop time (MET)	131241664.184000	131241664.184000			
[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)	128442027.184000	128441389.30078			
Observation start date	2002-01-26T14:19:23	2002-01-26T14:09:49			
[s] Observation end time (MET)	128443027.184000	128443161.52586			
Observation end date	2002-01-26T14:36:03	2002-01-26T14:39:21			

2.3 Aspect



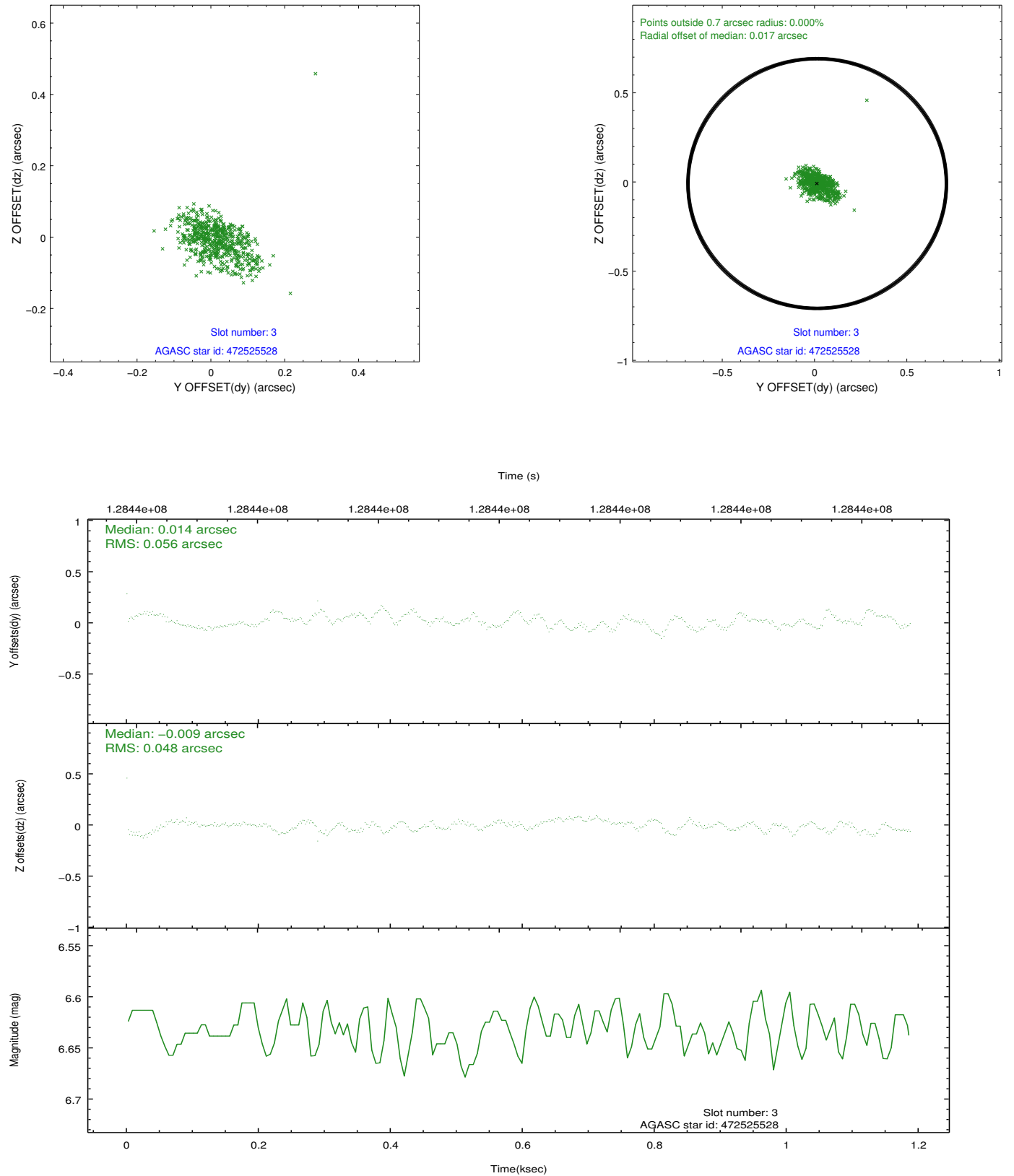


Slot Statistics

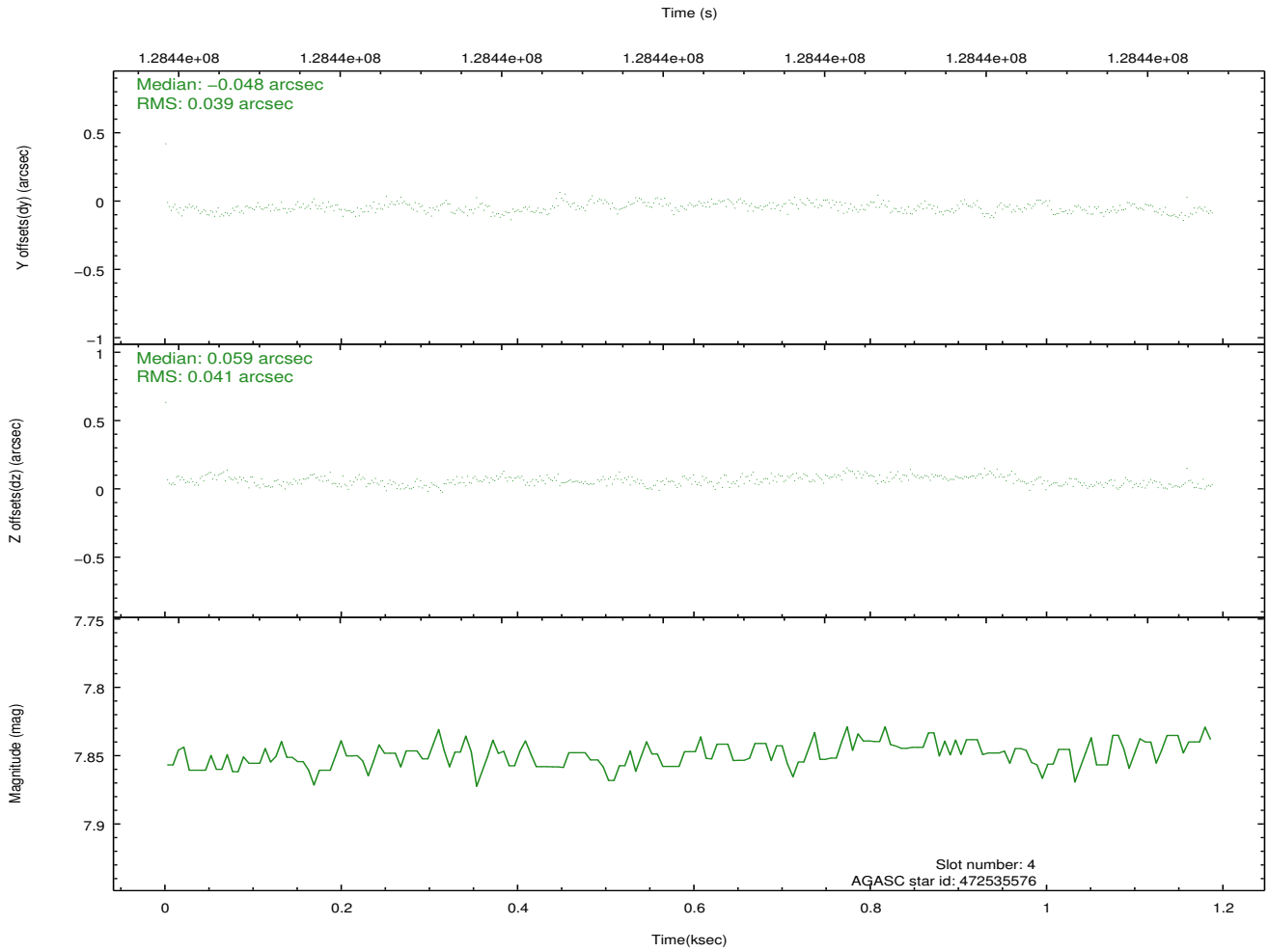
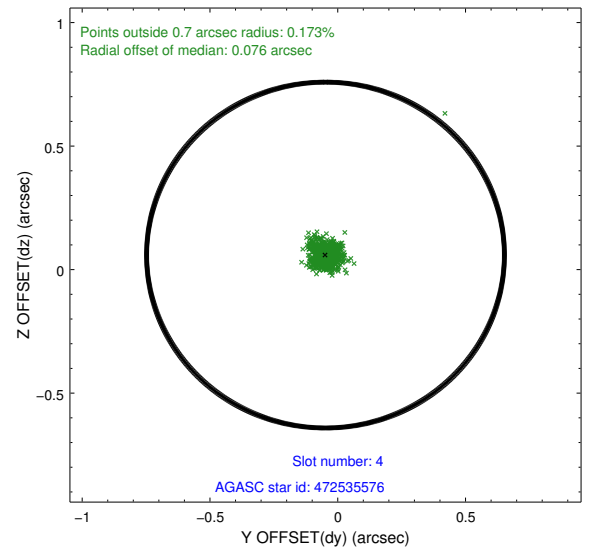
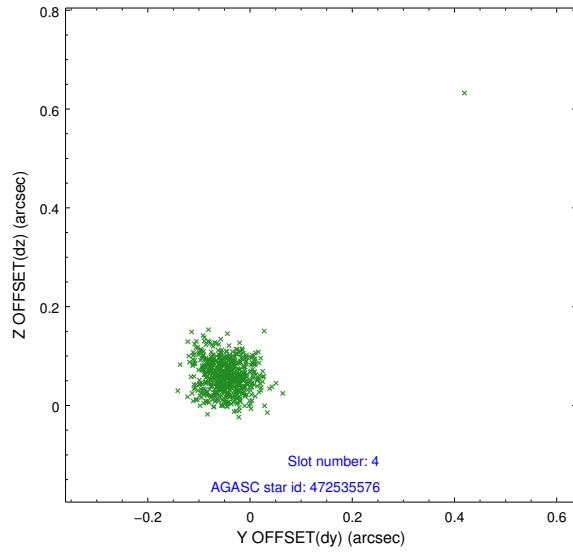
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	290	0.154	-0.086	0.007	0.010	0.000000	0.000000	-1157.81	-456.22
1	FID	HRC-S-2	6.99	290	0.075	-0.087	0.004	0.010	0.000000	0.000000	1237.80	-450.40
2	FID	HRC-S-3	7.01	290	0.161	-0.128	0.006	0.011	0.000000	0.000000	-1156.27	571.72
3	GUIDE	472525528	6.63	580	0.014	-0.009	0.074	0.126	331.551102	45.248694	-529.89	-2075.20
4	GUIDE	472535576	7.85	579	-0.048	0.059	0.052	0.080	331.438373	46.291802	-2283.00	1254.84
5	GUIDE	472523760	8.23	580	-0.014	-0.115	0.061	0.101	331.645363	45.403260	-536.86	-1467.74
6	GUIDE	472665256	9.01	580	-0.063	-0.015	0.091	0.145	332.808125	46.195041	976.72	2317.05
7	GUIDE	472659832	9.47	579	0.108	0.070	0.101	0.164	332.780399	46.098139	1060.35	1977.36

2.4 Star Slots

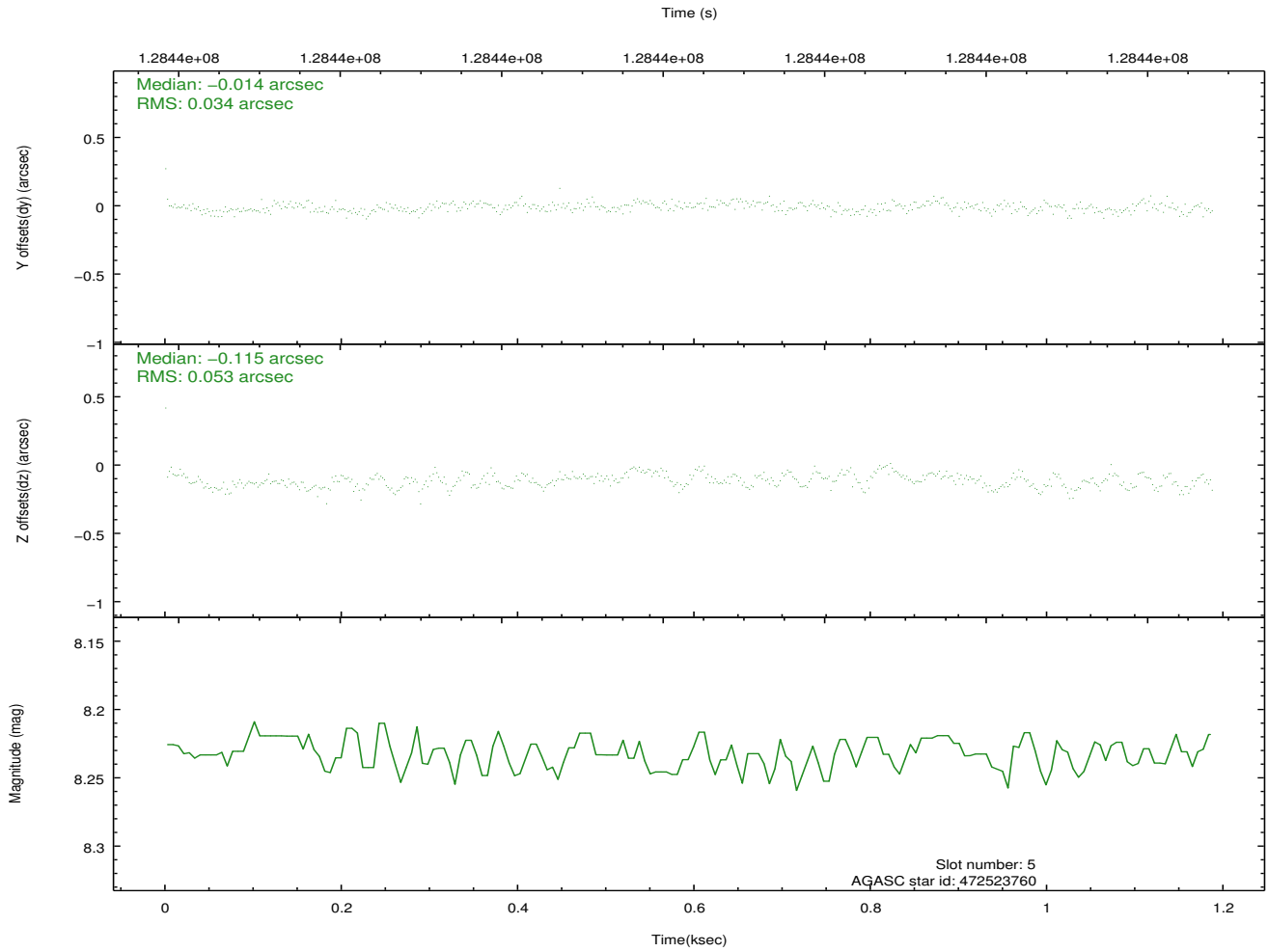
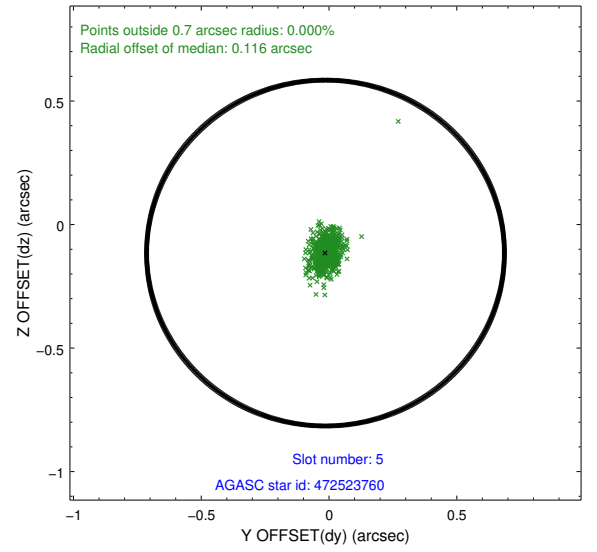
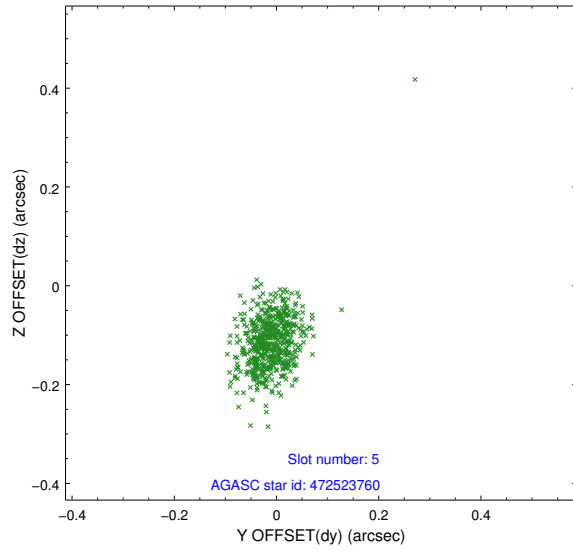
2.4.1 Slot 3



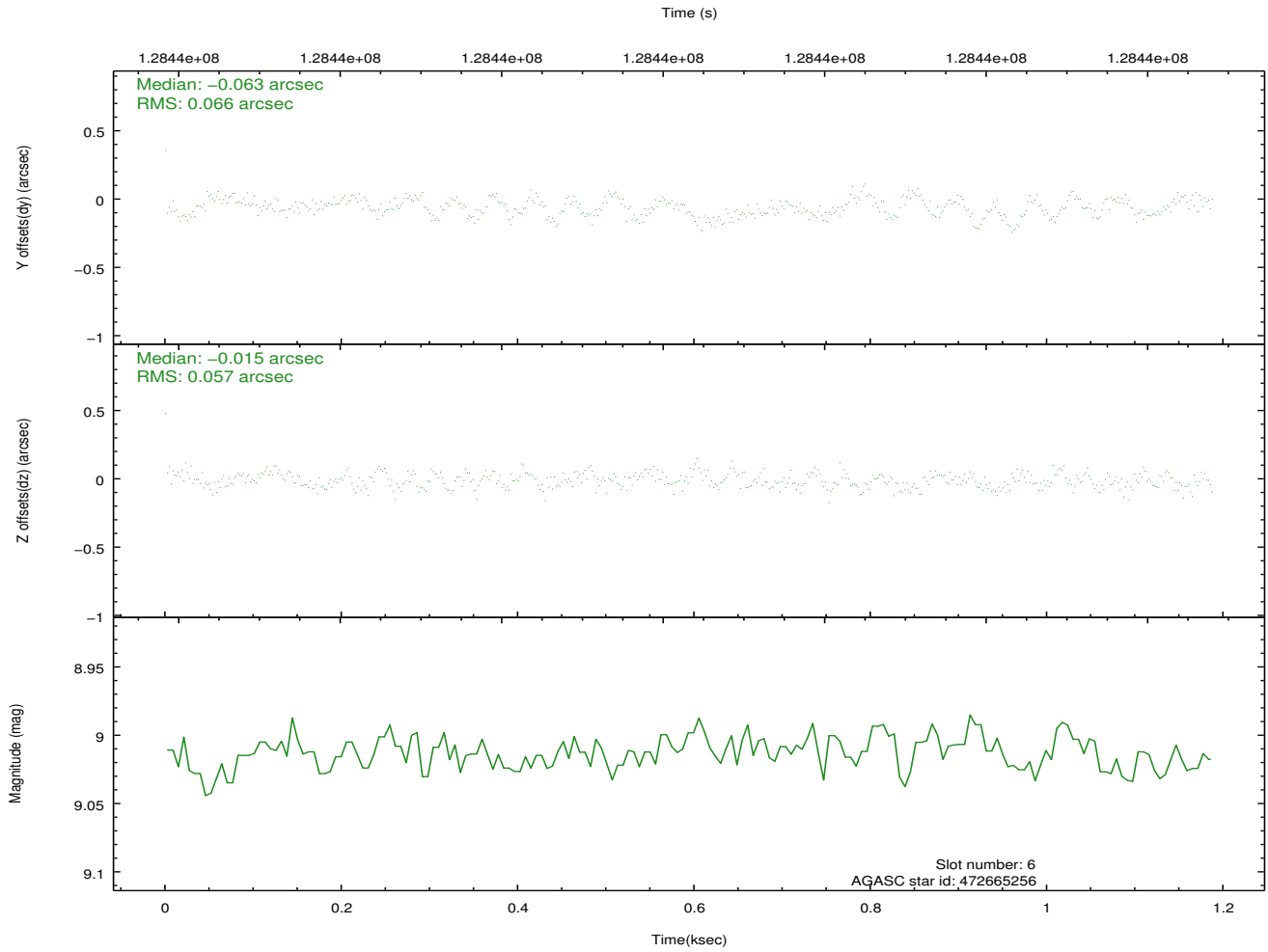
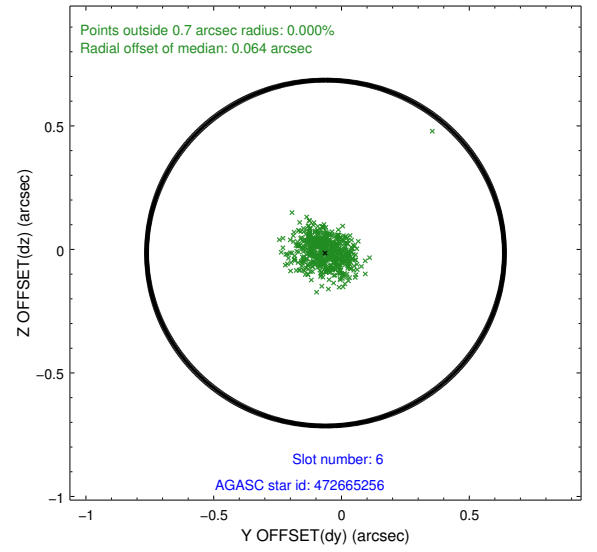
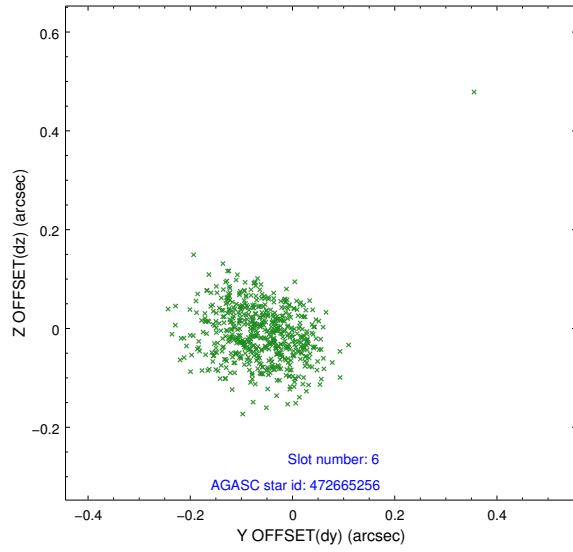
2.4.2 Slot 4



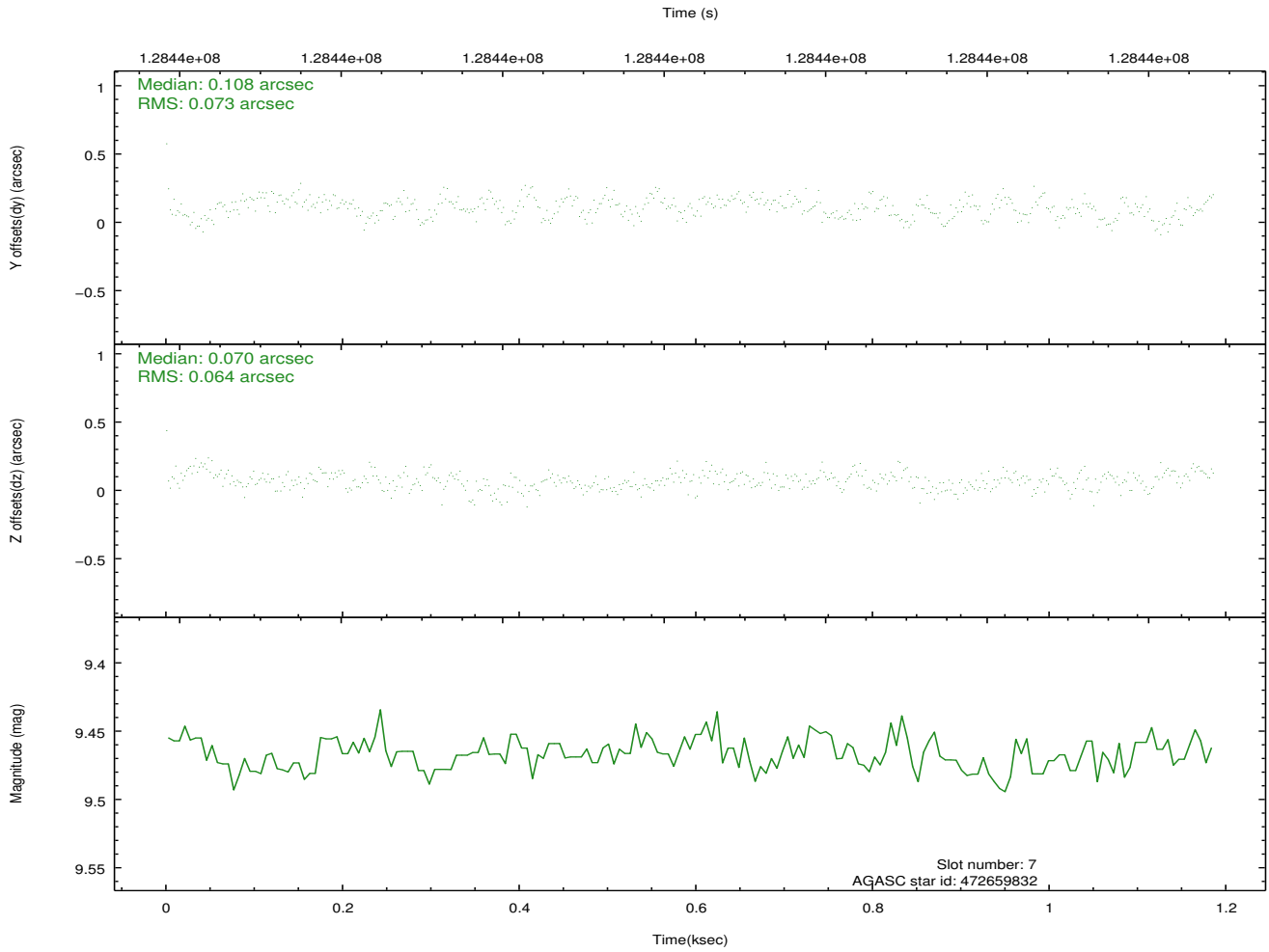
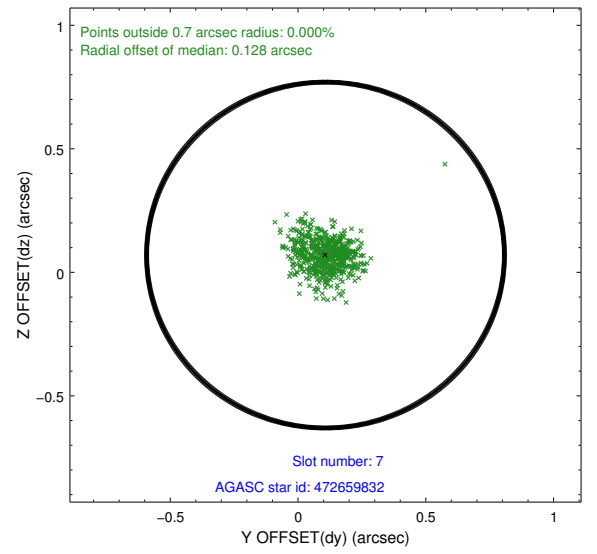
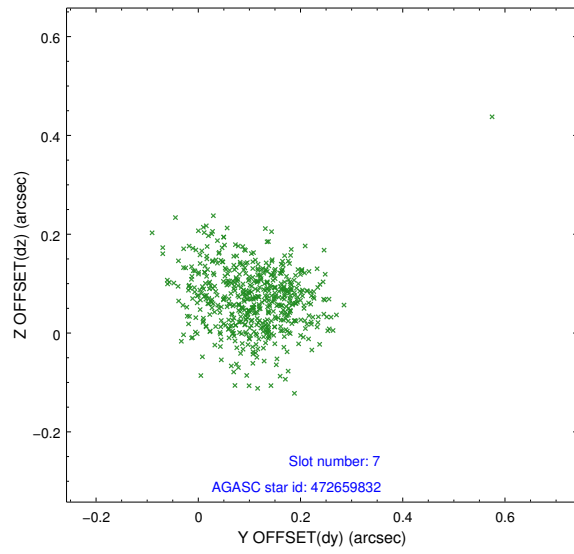
2.4.3 Slot 5



2.4.4 Slot 6

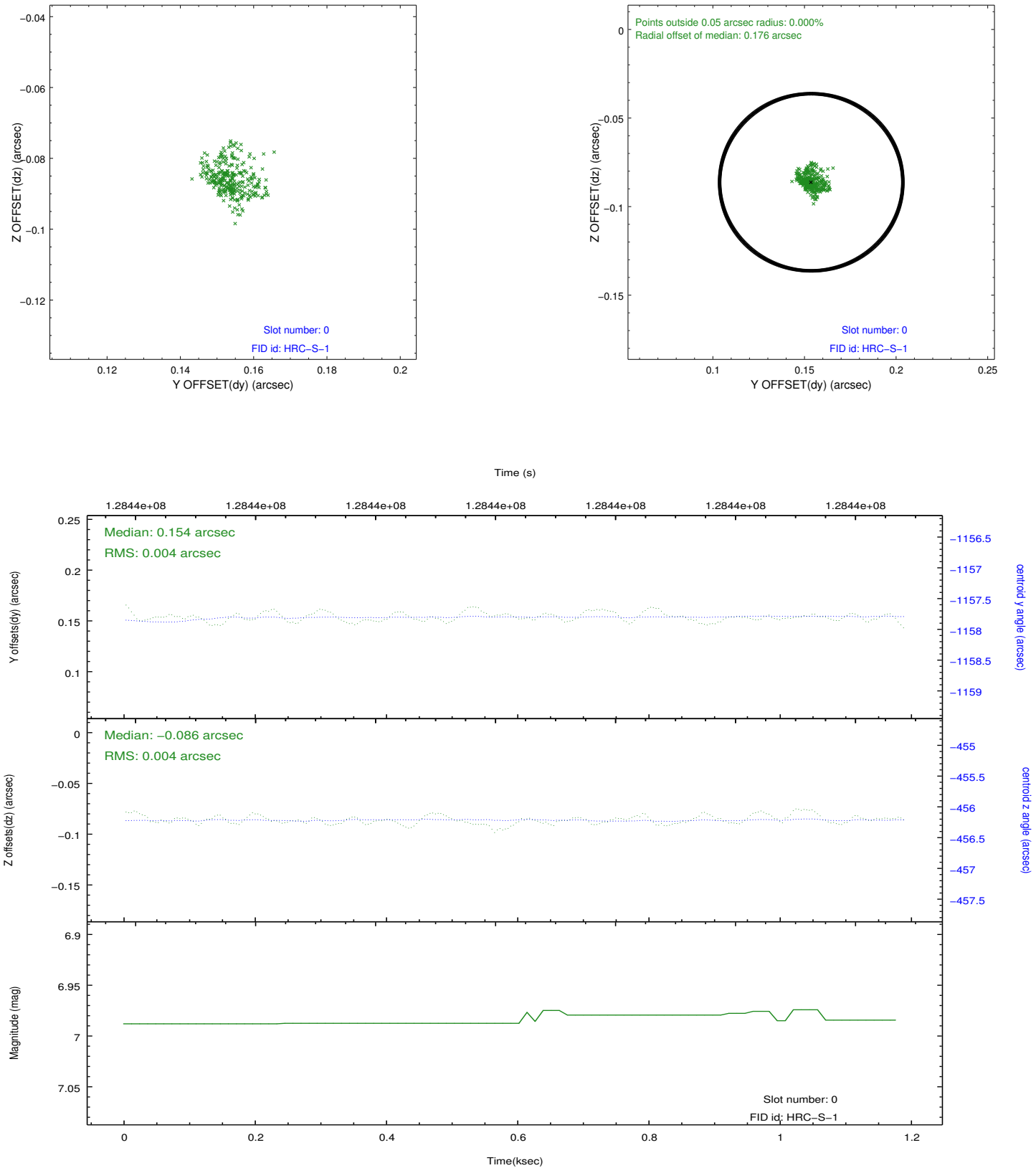


2.4.5 Slot 7

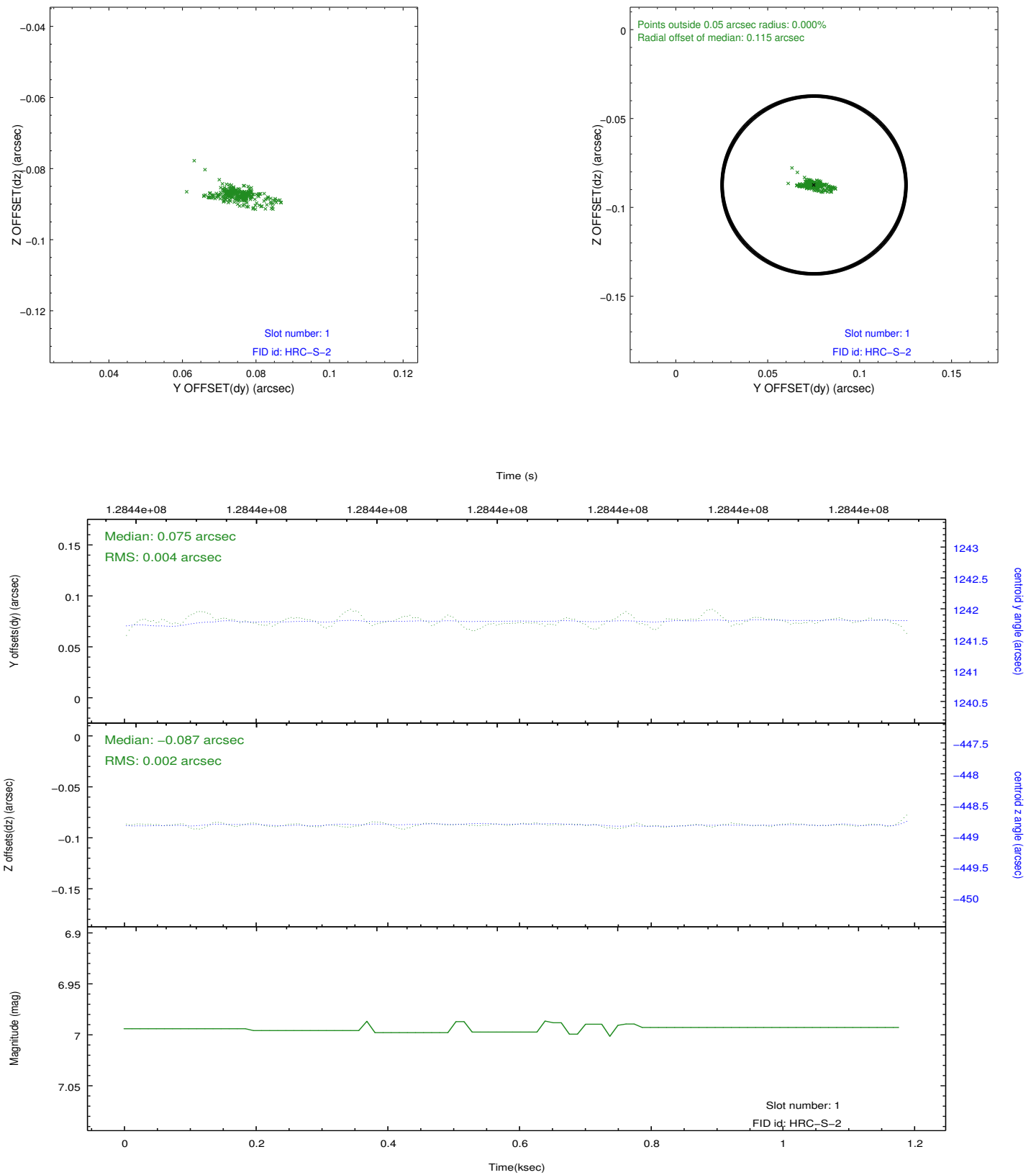


2.5 FID Slots

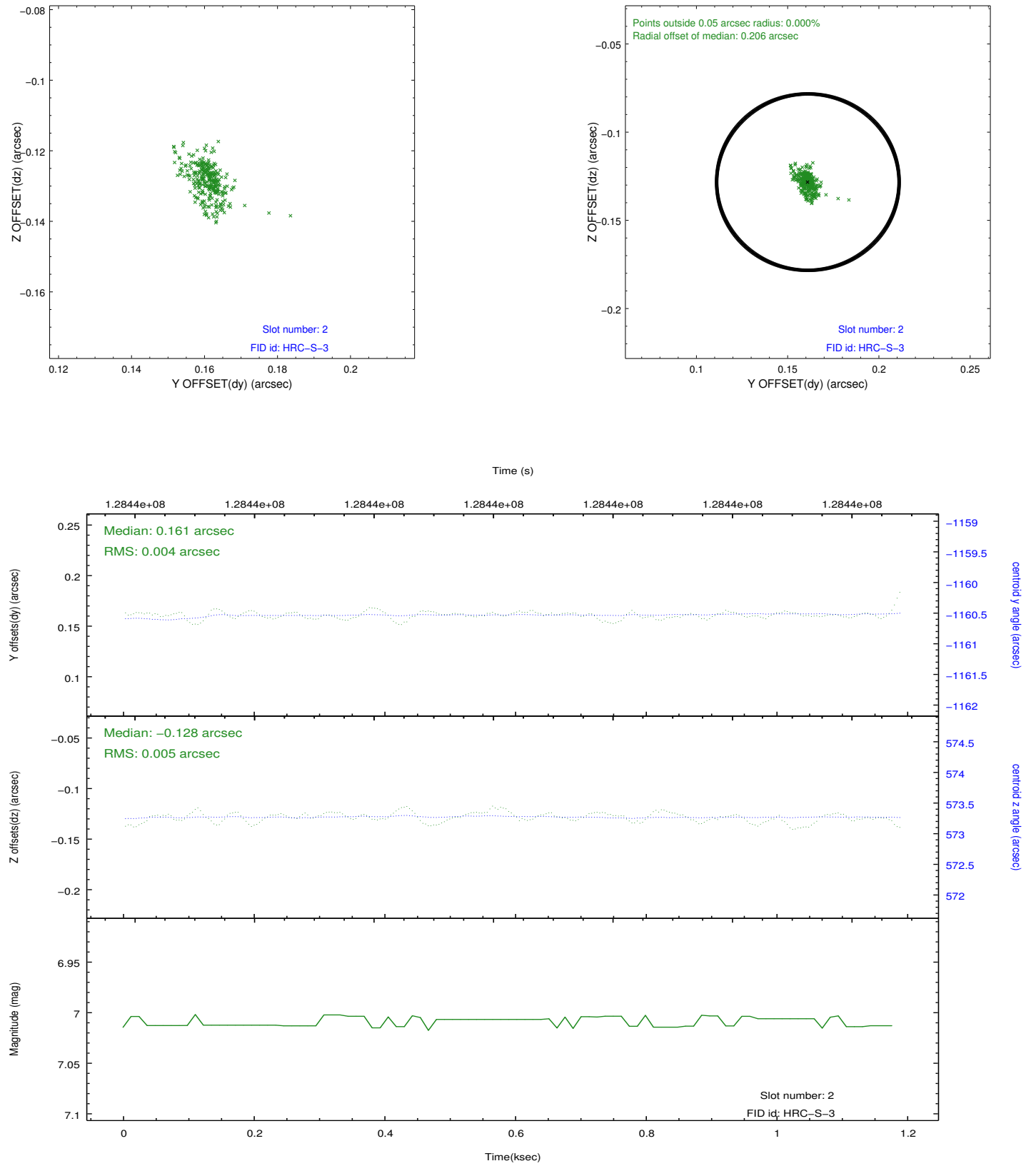
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.971

A.2 Comments

Window constraint satisfied.