

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10627 - L2 Version 3
Chandra X-Ray Center

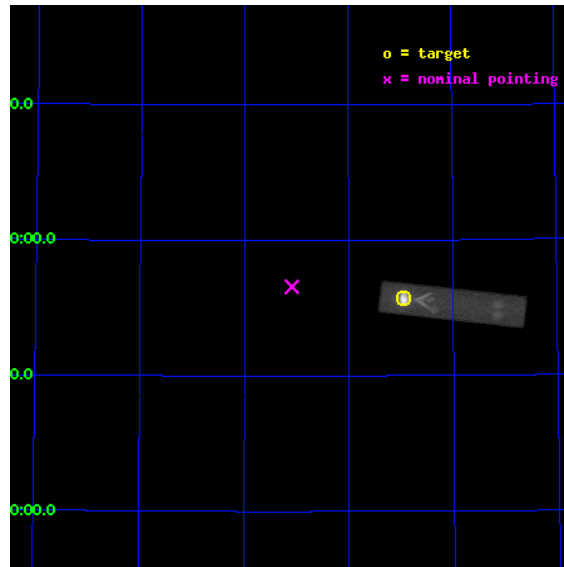
L2 Processing Date : Aug 12 2012

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

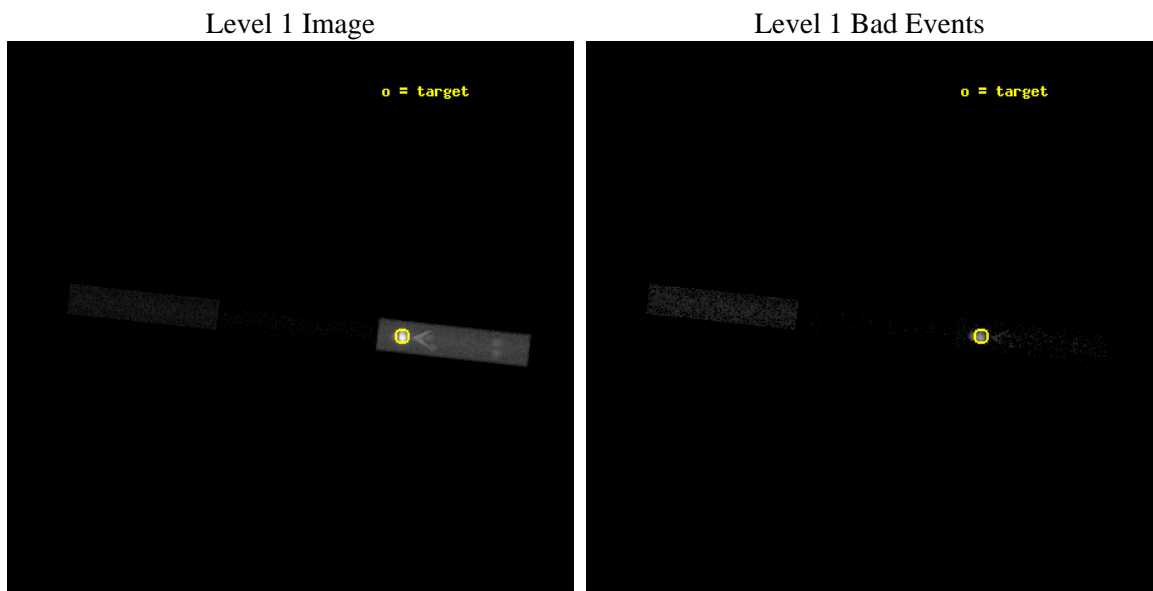
seq_num	290863	Sequence number
obs_id	10627	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.77272139426	Nominal RA [deg]
dec_nom	38.829440919502	Nominal Dec [deg]
roll_nom	6.1588607099151	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2186.5813580155	[s]
liveltime	788.31255316214	Ontime multiplied by DTCOR
l2events	387756	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	8.4.5	Processing system revision	ontime	2186.5813580155	[s]
caldsver	4.5.1.1	 	l1events	455750	Number of level 1 events
date	2012-08-13T00:59:24	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

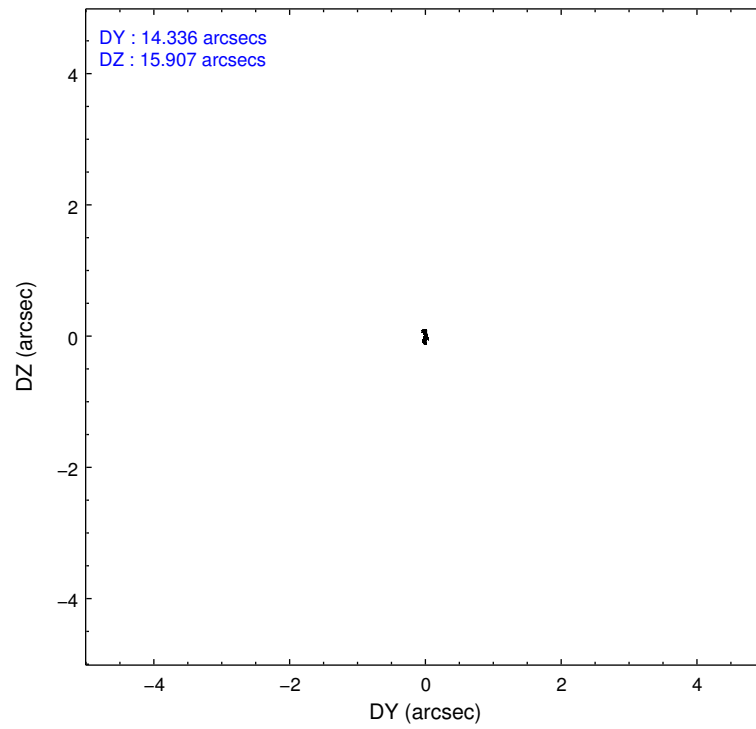
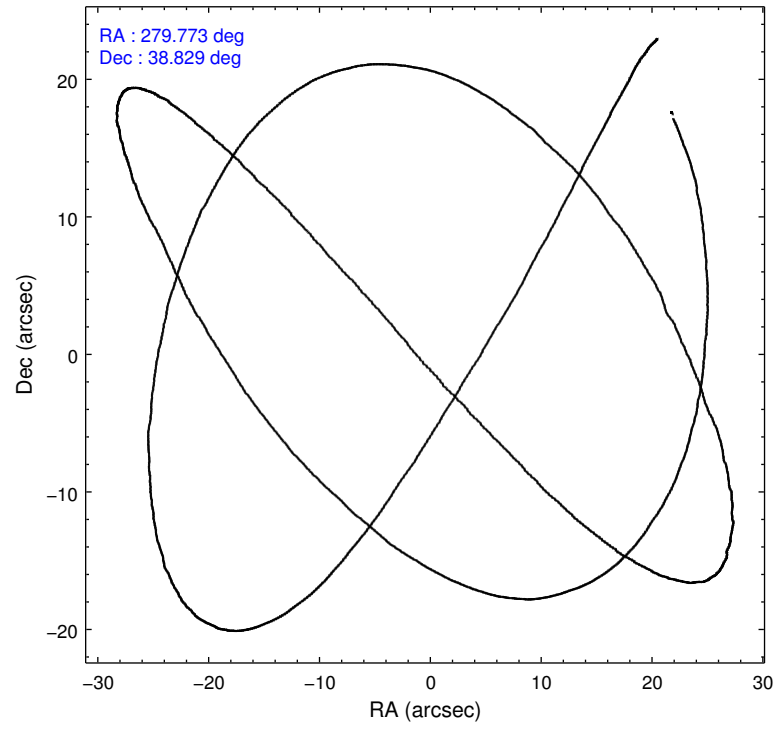
	segment 1	segment 2	segment 3
level 1 events	447543	420	7787
rejected events	44392	389	7704
rejected %	9%	92%	98%

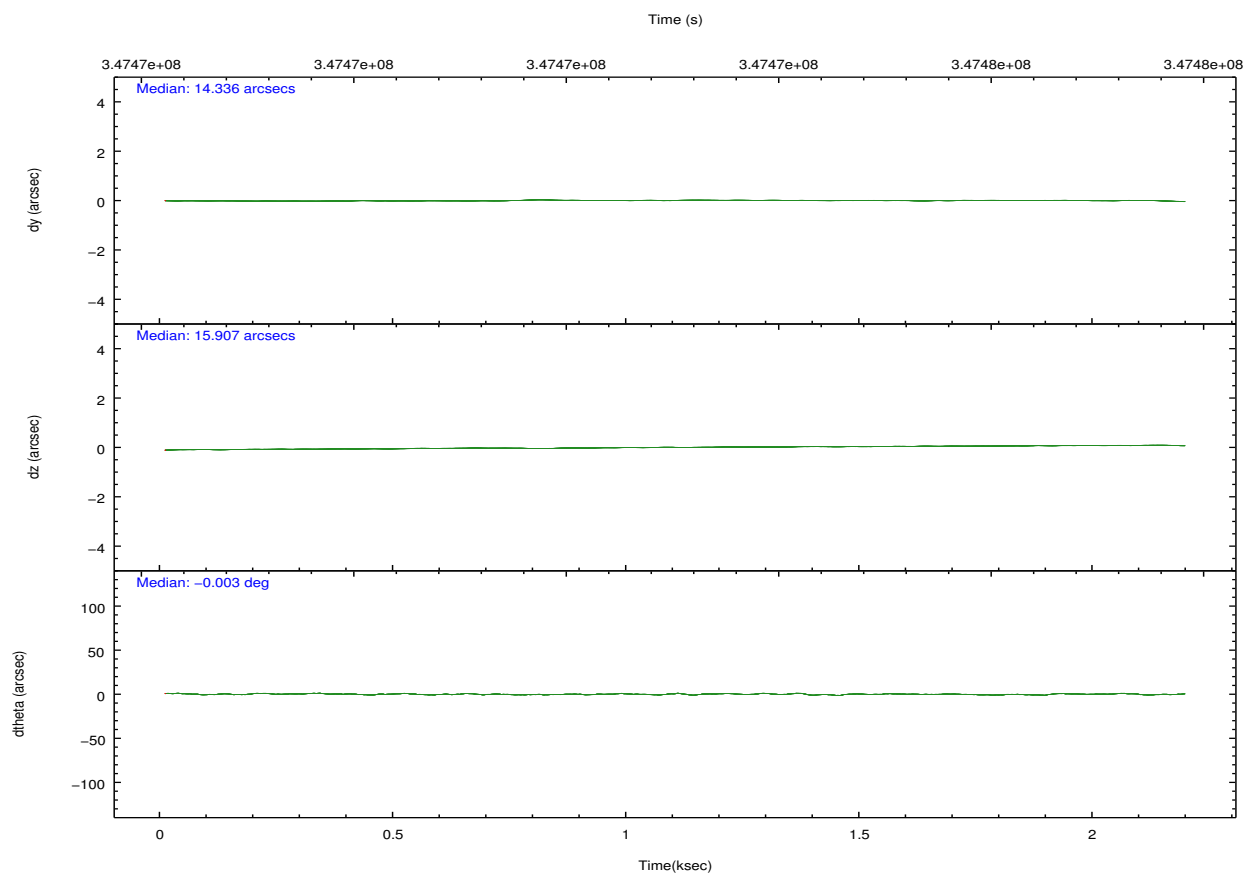
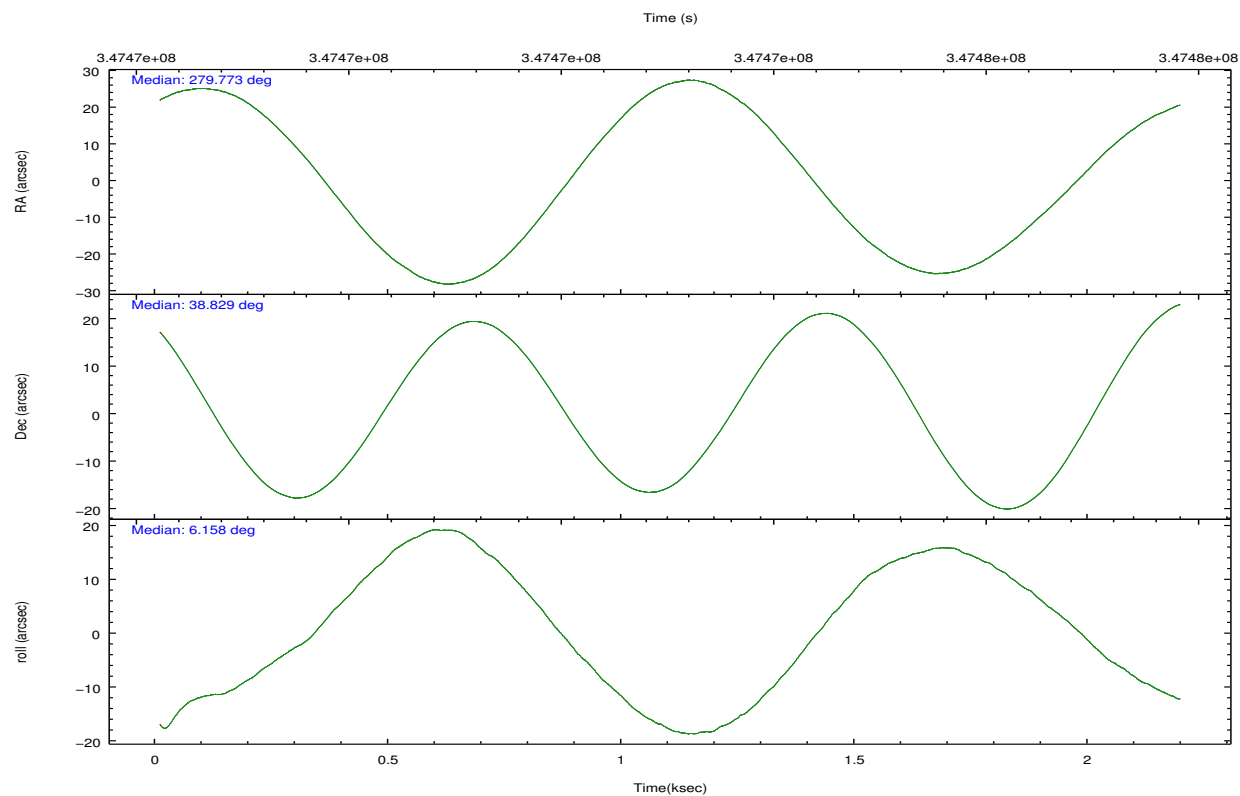
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.743971	279.7727213942571
[deg] Pointing Dec	38.811592	38.82944091950238
[deg] Pointing Roll	6.109635	6.158860709915085
[s] Window start time (MET)	344476865.184000	344476865.184000
[s] Window stop time (MET)	352166466.184000	352166466.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	347473353.184000	347472976.10089
Observation start date	2009-01-04T16:21:27	2009-01-04T16:16:16
[s] Observation end time (MET)	347475353.184000	347475488.88852
Observation end date	2009-01-04T16:54:47	2009-01-04T16:58:08

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



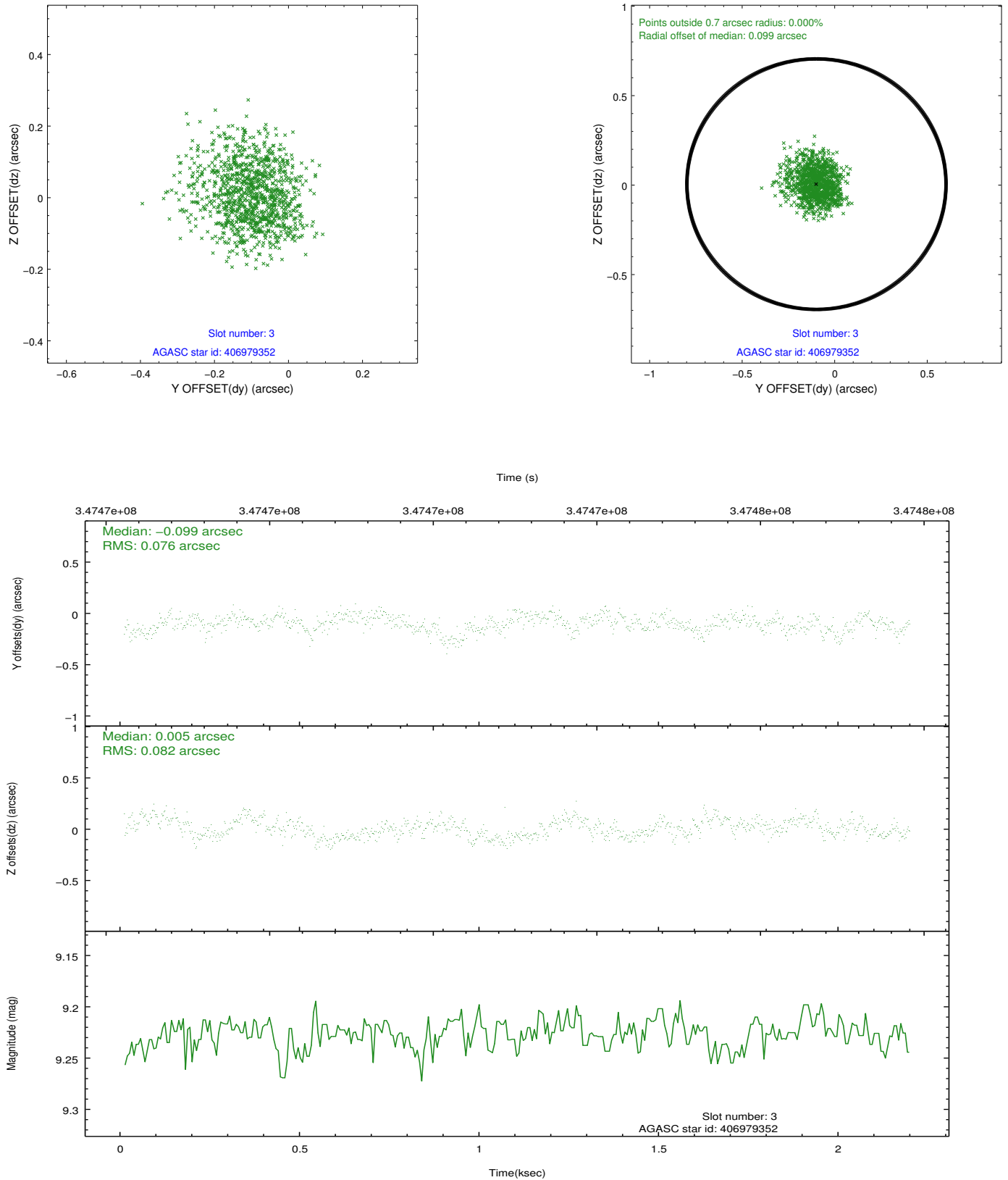


Slot Statistics

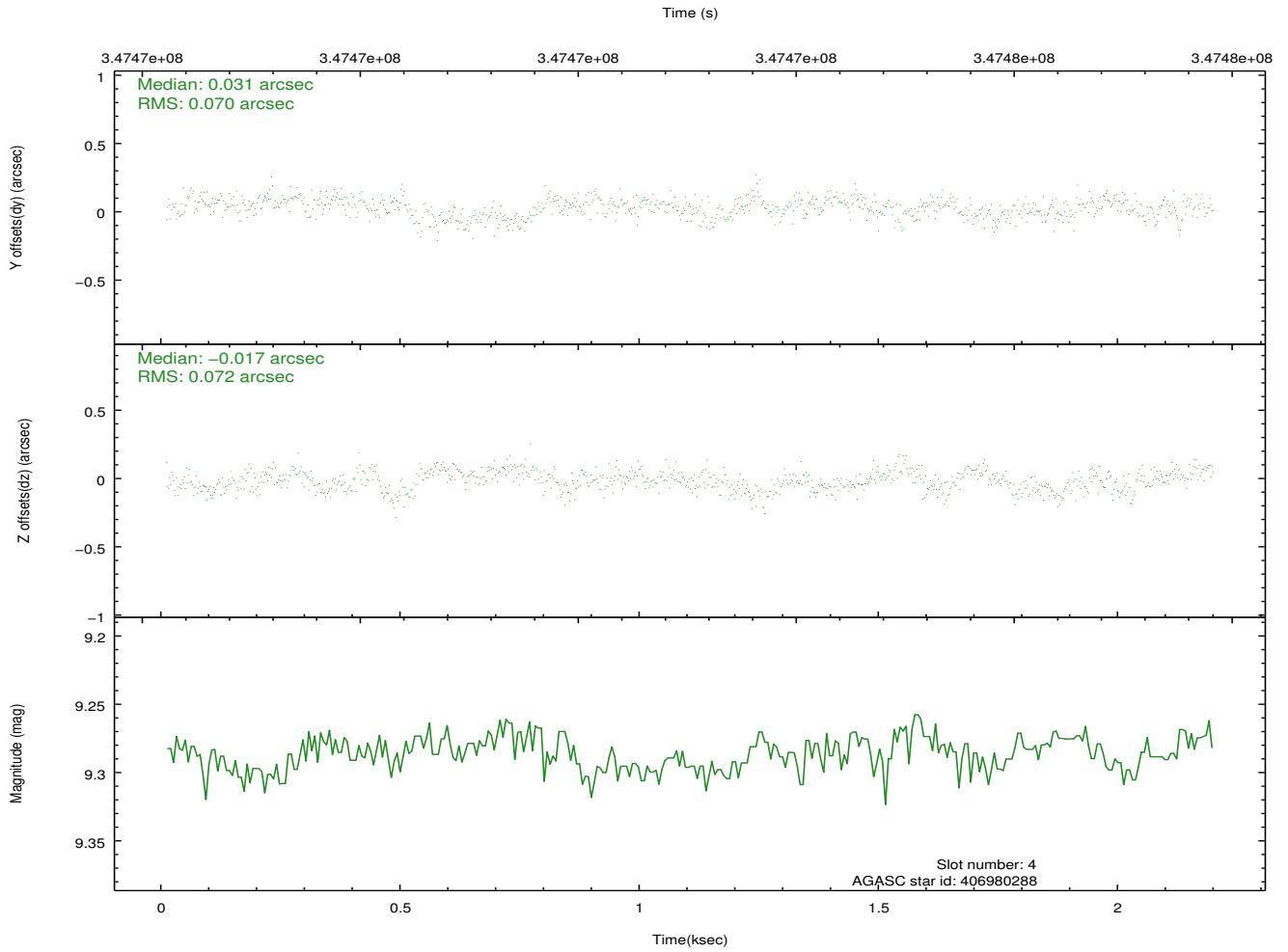
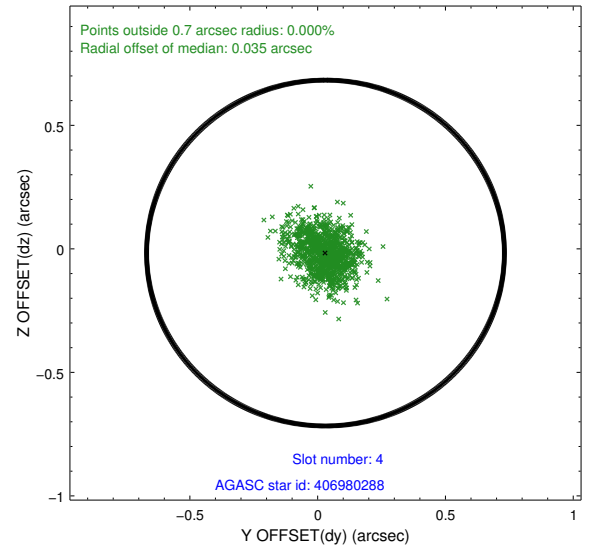
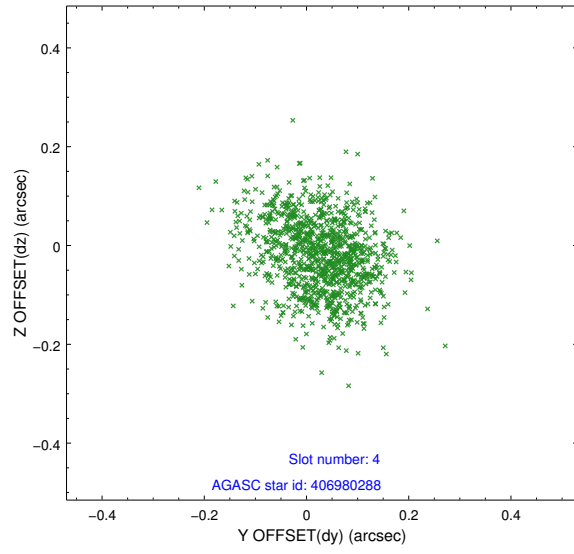
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	534	0.073	-0.189	0.008	0.013	0.000000	0.000000	-1168.71	-464.80
1	FID	HRC-S-2	7.00	534	0.208	-0.109	0.005	0.009	0.000000	0.000000	1228.89	-458.25
2	FID	HRC-S-3	7.01	534	0.109	-0.003	0.007	0.012	0.000000	0.000000	-1169.09	564.05
3	GUIDE	406979352	9.23	1067	-0.099	0.005	0.120	0.191	279.968297	39.230258	782.16	1432.38
4	GUIDE	406980288	9.29	1068	0.031	-0.017	0.107	0.176	278.903147	39.061646	-2237.94	1160.29
5	GUIDE	406983600	8.91	1067	-0.017	0.014	0.090	0.148	279.940957	39.020708	626.29	691.72
6	GUIDE	406989616	8.23	1068	0.069	0.125	0.075	0.114	279.202881	38.520843	-1625.95	-872.39
7	GUIDE	407521232	8.65	1066	0.021	-0.129	0.103	0.159	279.628883	39.431715	-82.45	2254.06

2.4 Star Slots

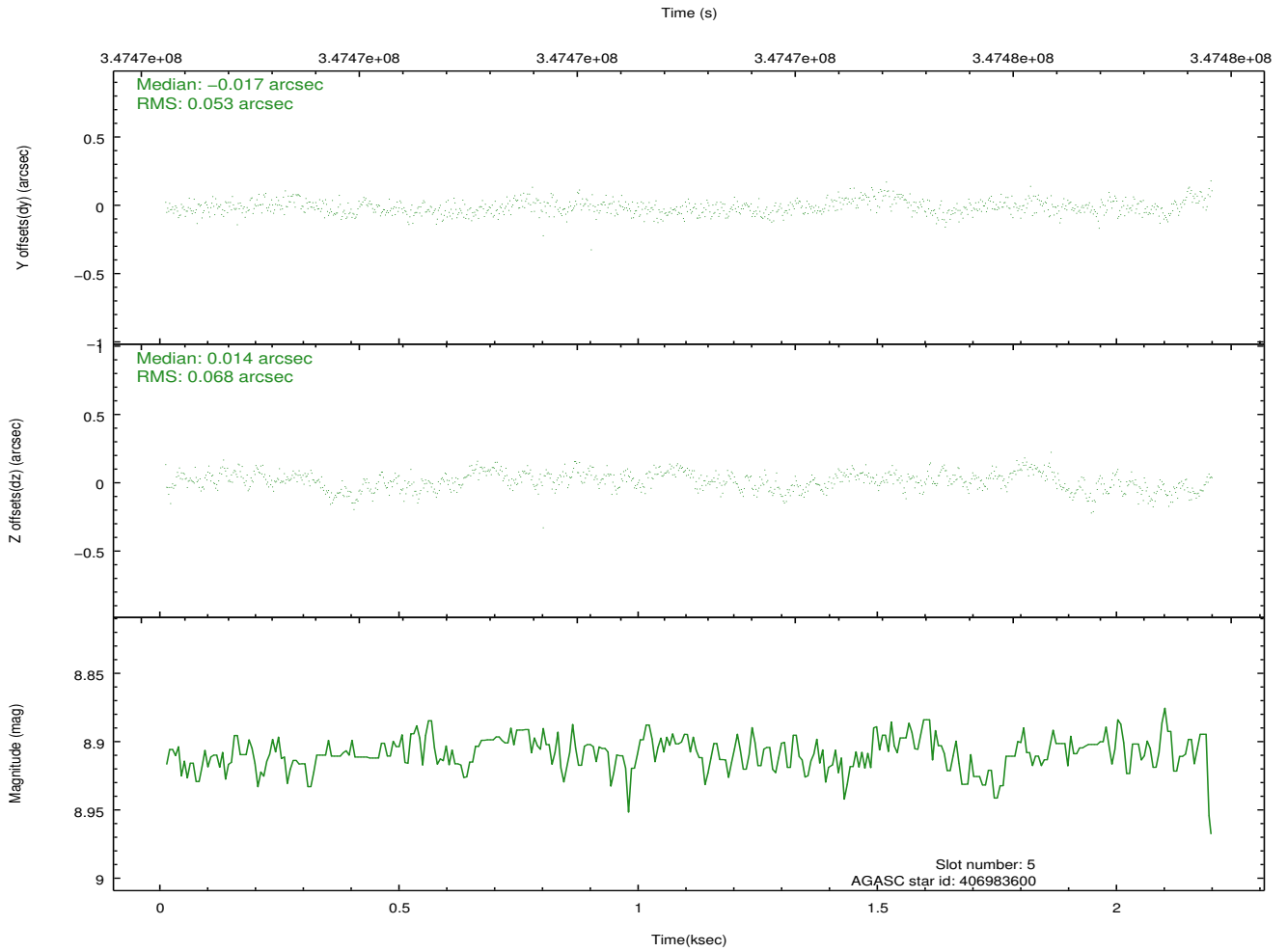
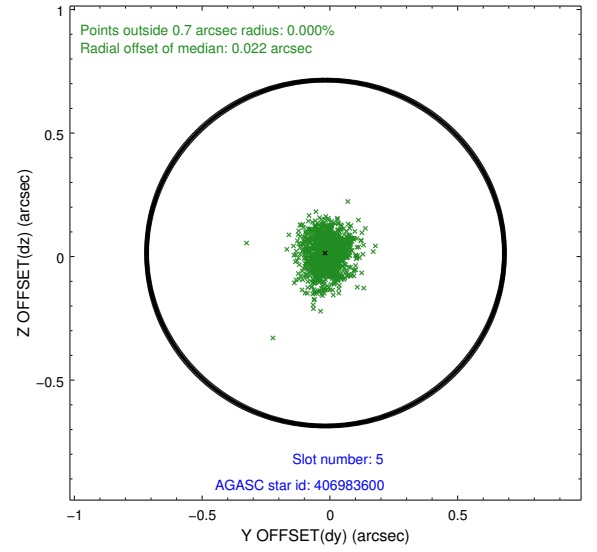
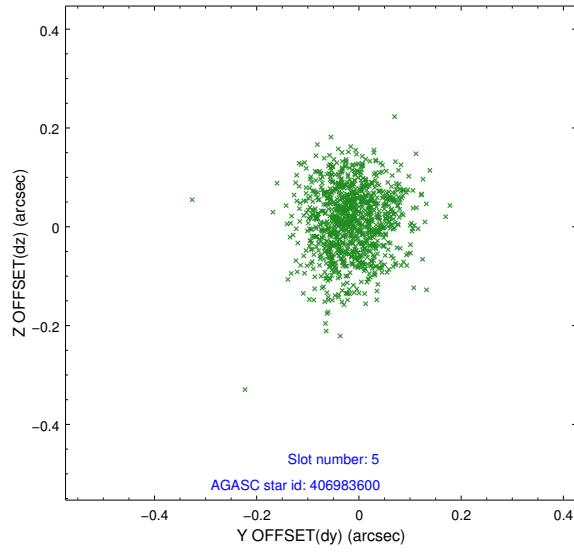
2.4.1 Slot 3



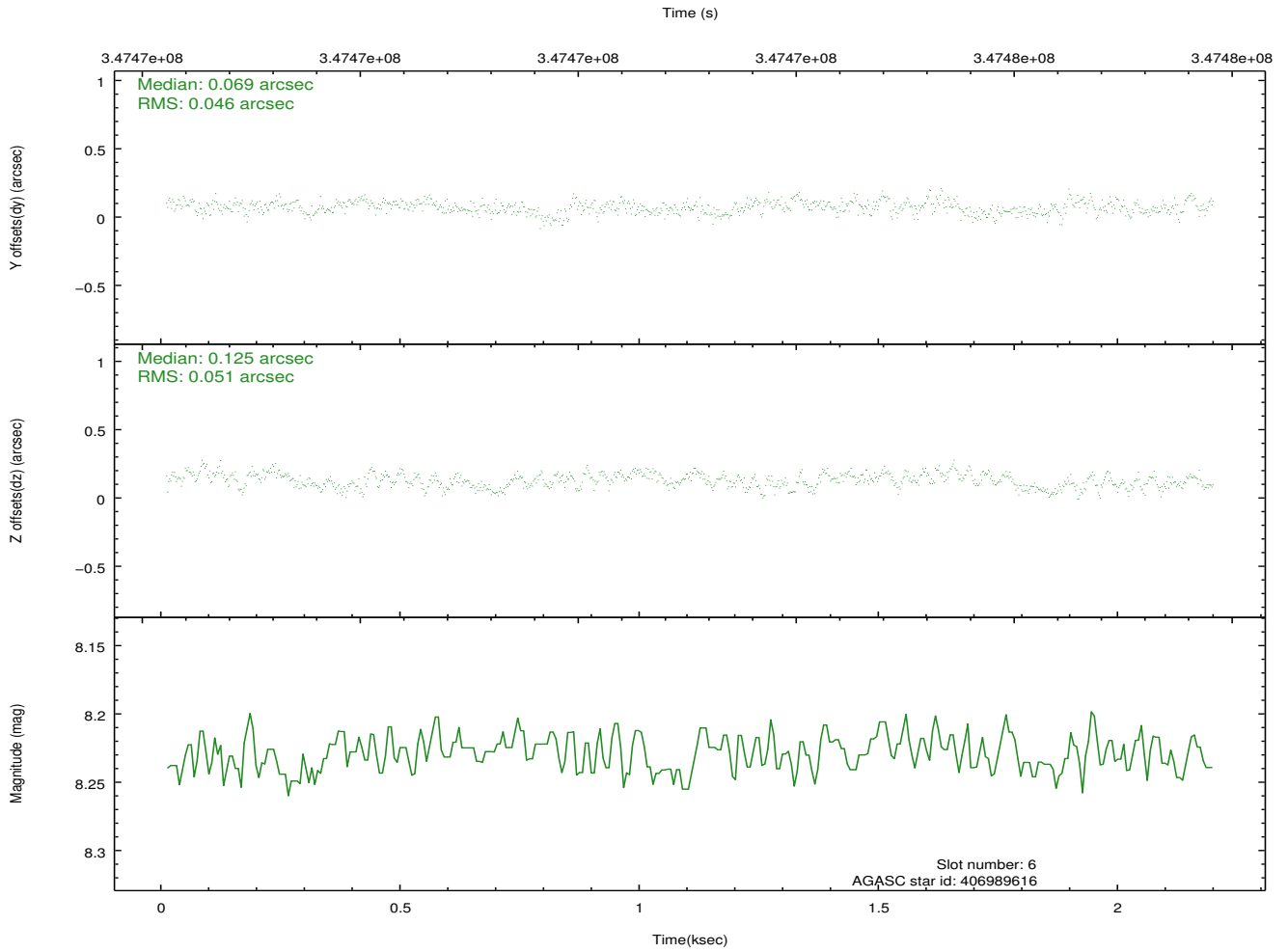
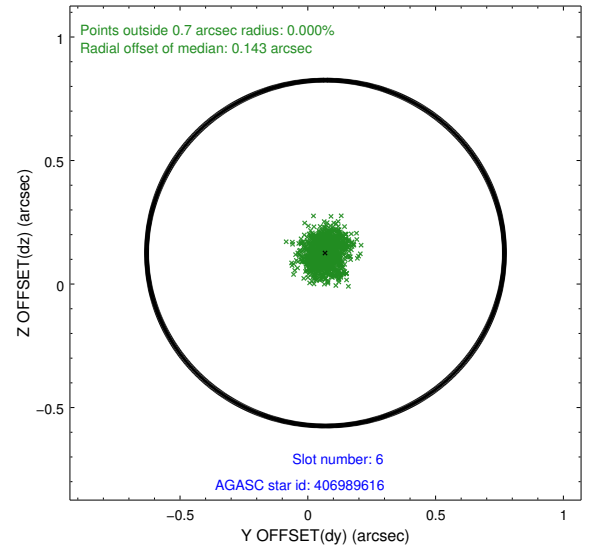
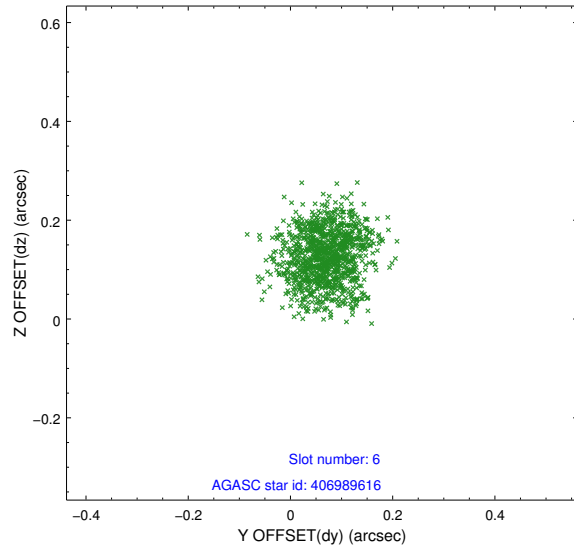
2.4.2 Slot 4



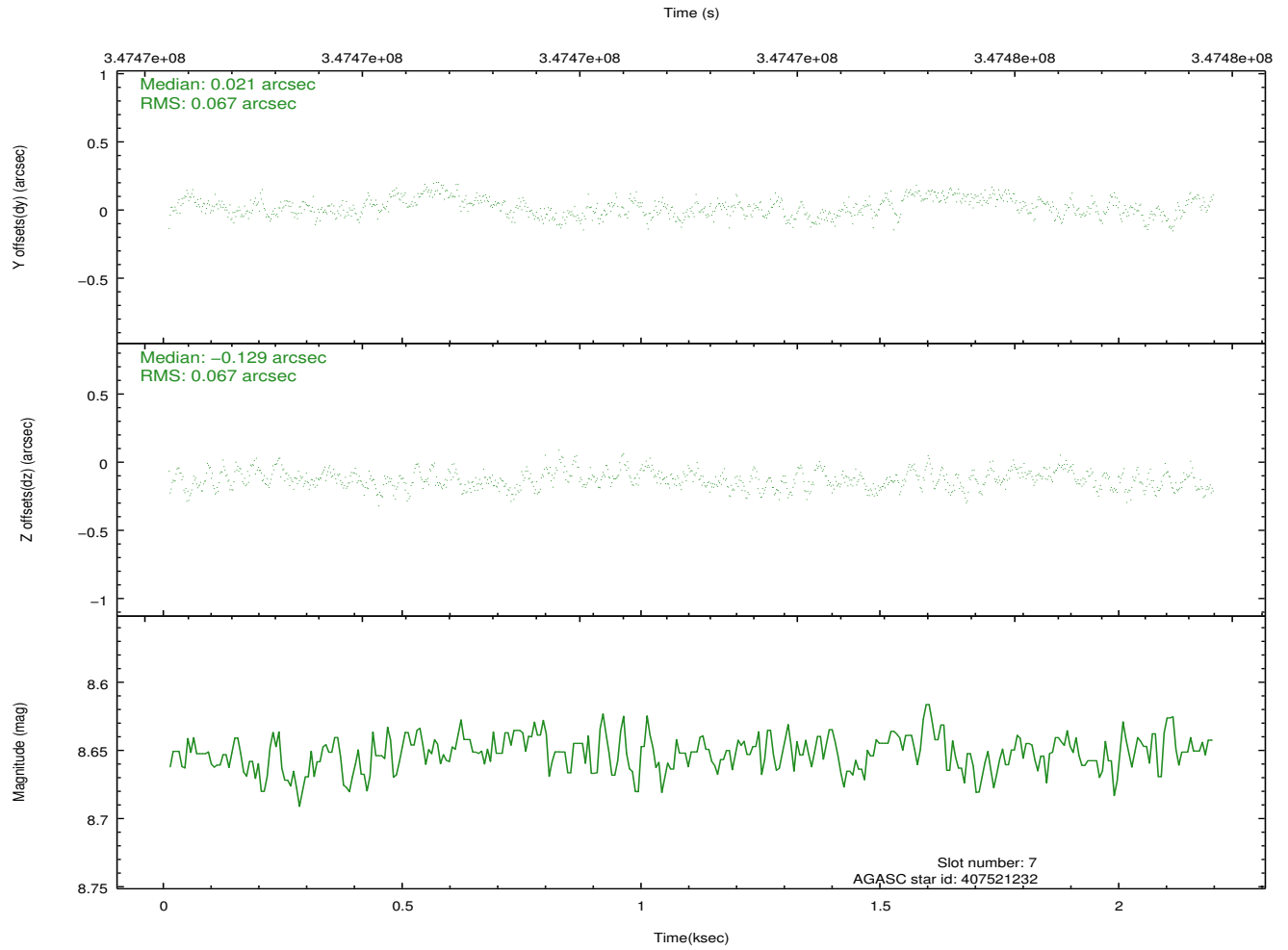
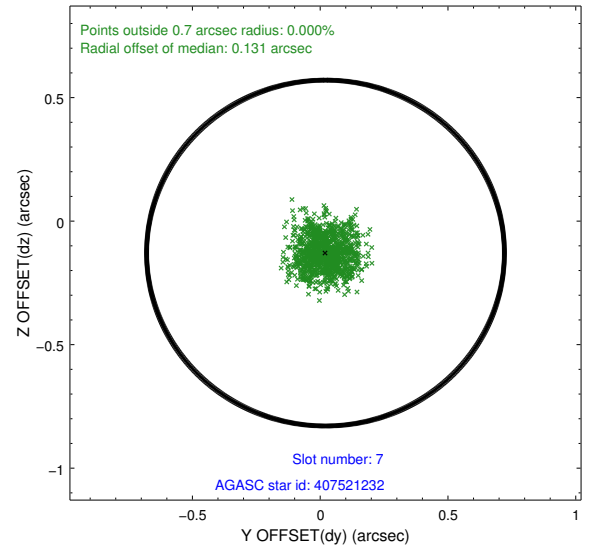
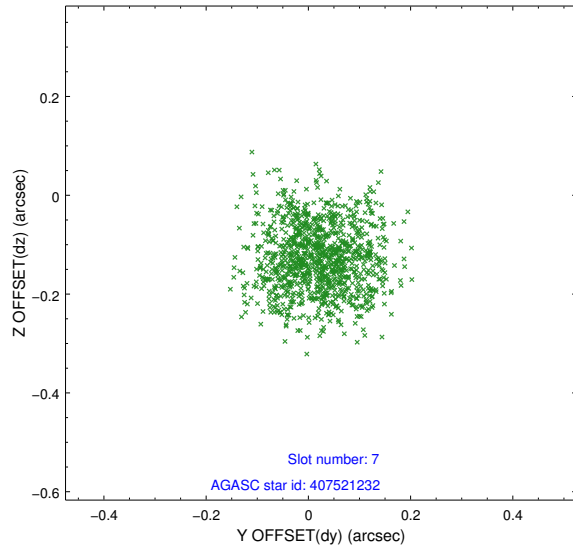
2.4.3 Slot 5



2.4.4 Slot 6

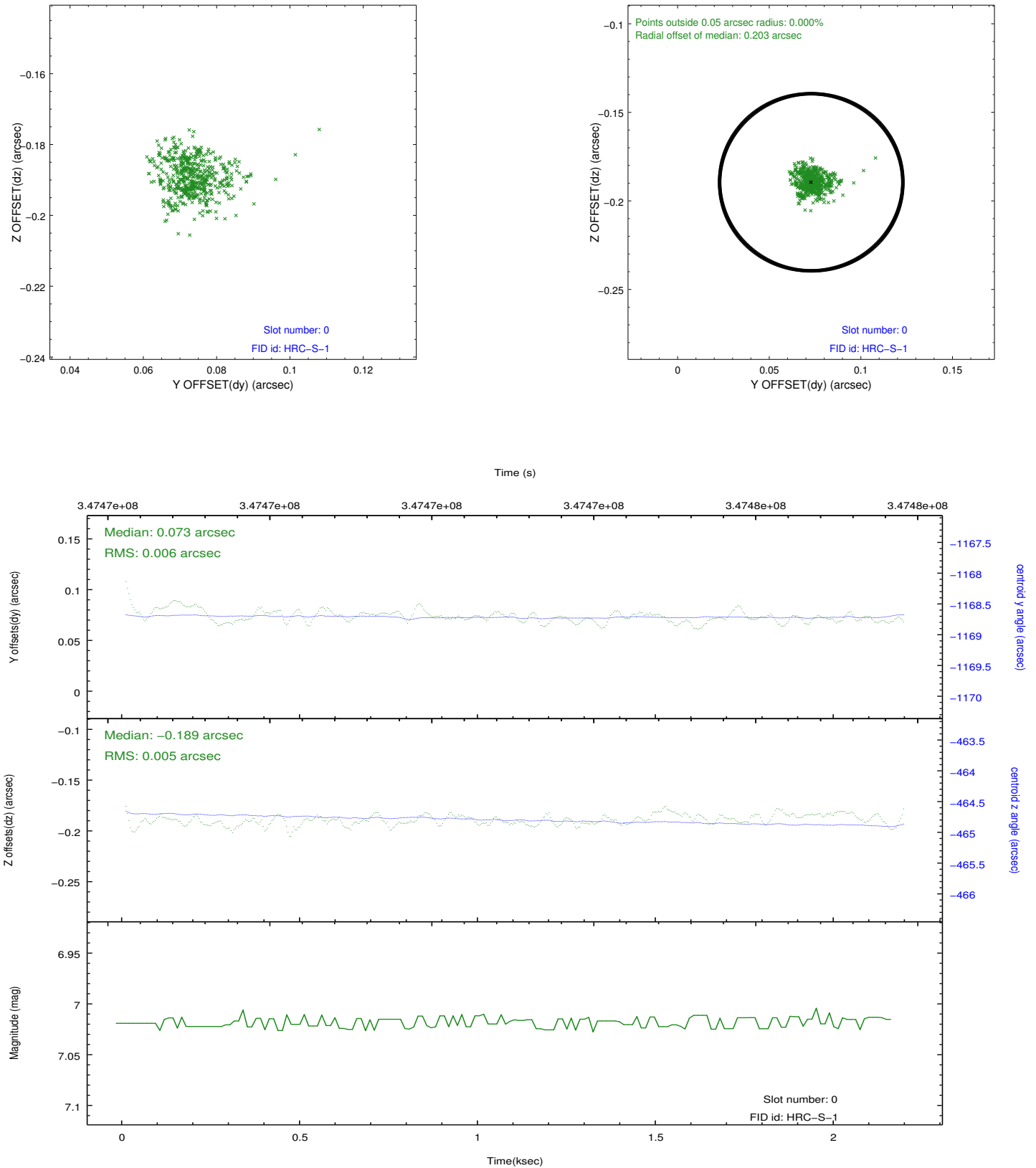


2.4.5 Slot 7

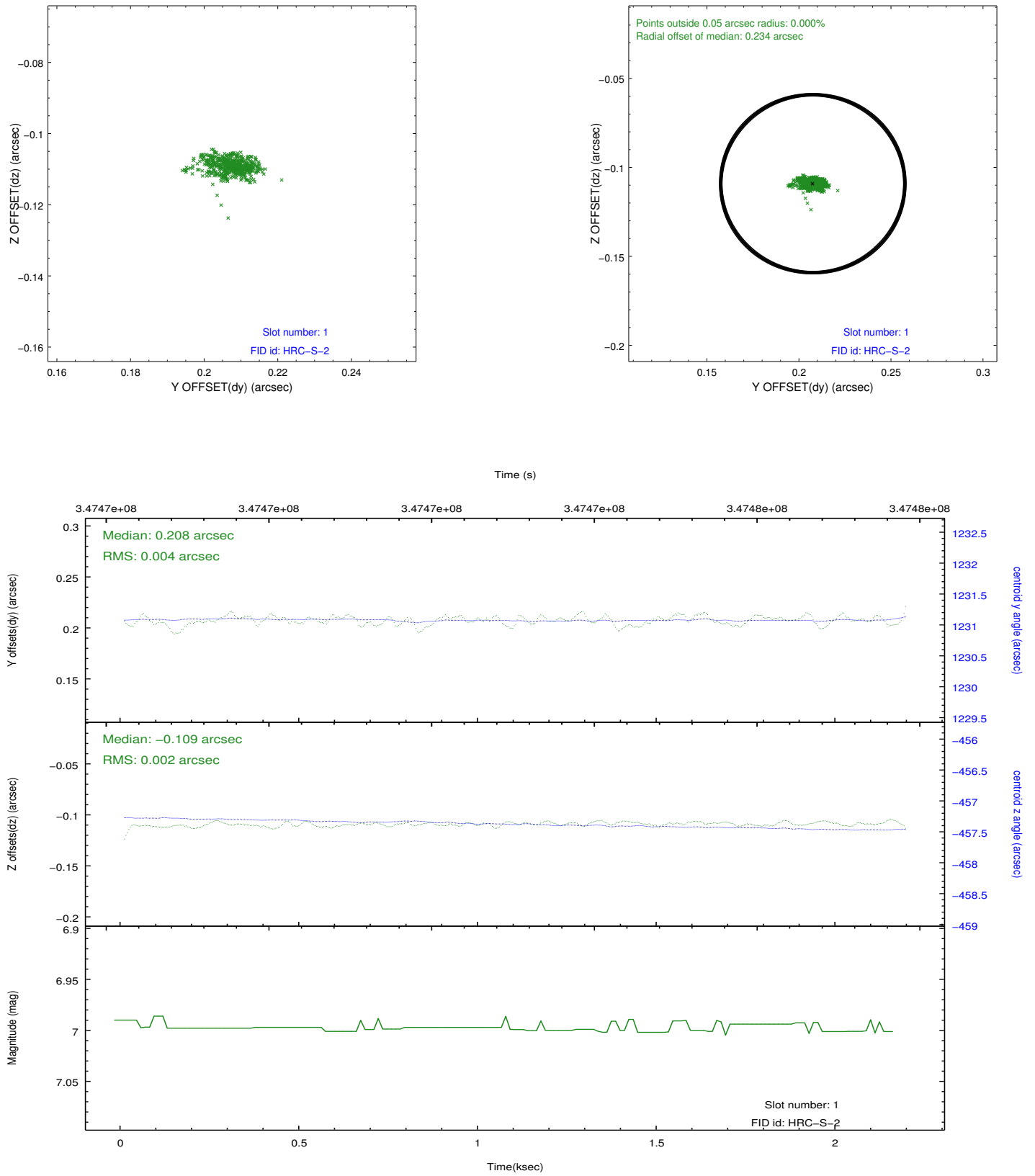


2.5 FID Slots

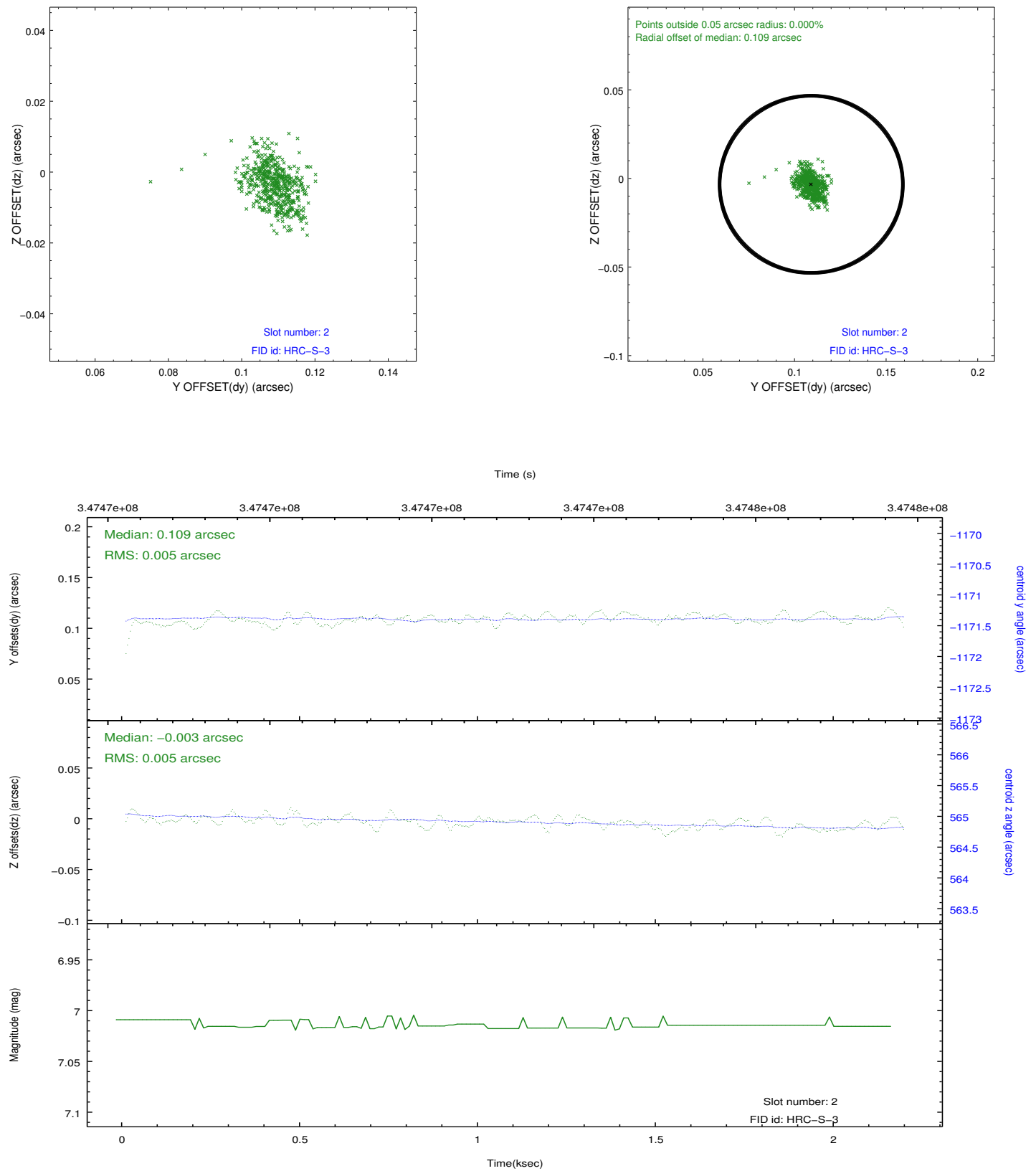
2.5.1 Slot 0



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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18658135

A.2 Comments

Window constraint met. Target is far off-axis.