

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5081 - L2 Version 3
Chandra X-Ray Center

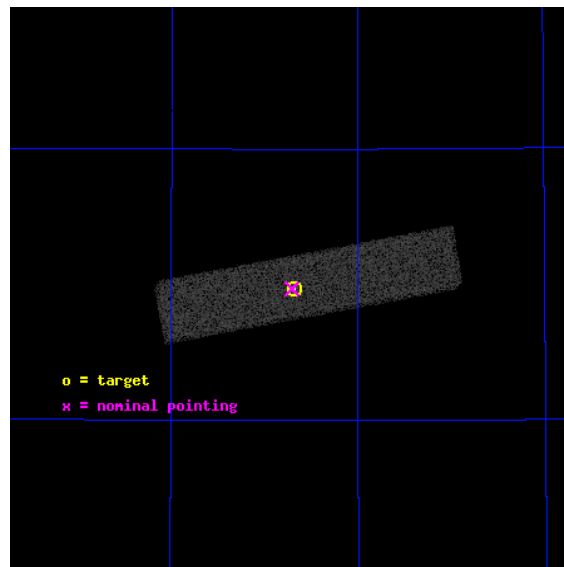
L2 Processing Date : Nov 11 2012

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

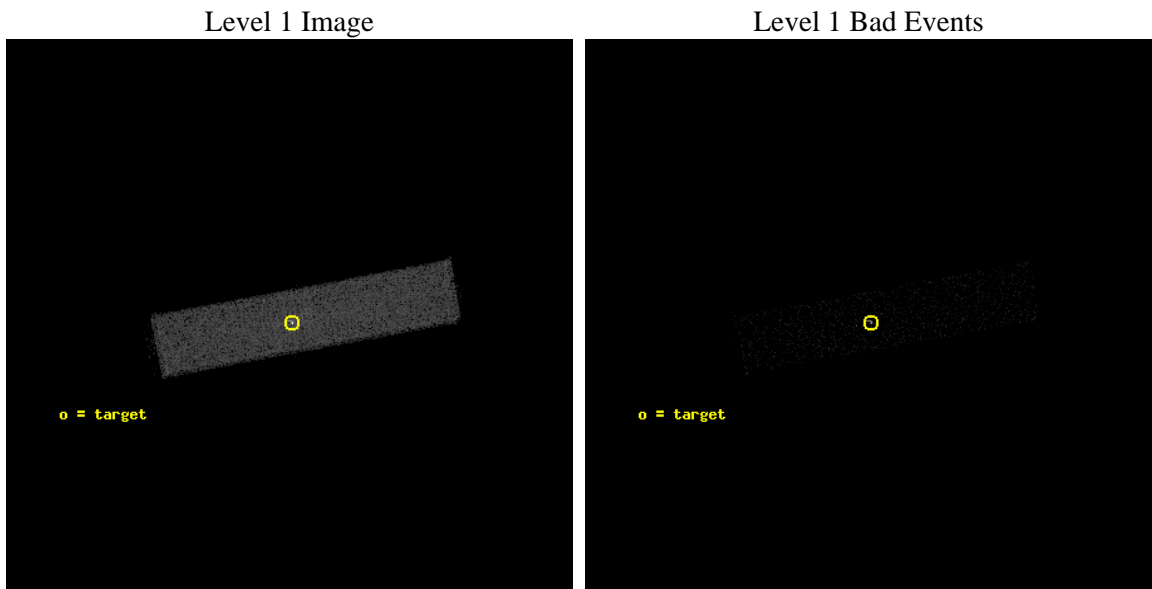
seq_num	290354	Sequence number
obs_id	5081	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1770559501	Nominal RA [deg]
dec_nom	45.742390942222	Nominal Dec [deg]
roll_nom	349.38710550225	Nominal Roll [deg]
revision	3	Processing version of data
ontime	858.18128752708	[s]
livetime	853.67386941592	Ontime multiplied by DTCOR
l2events	31561	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	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	858.18128752708	[s]
caldsver	4.5.2	 	l1events	46827	Number of level 1 events
date	2012-11-11T14:34:18	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

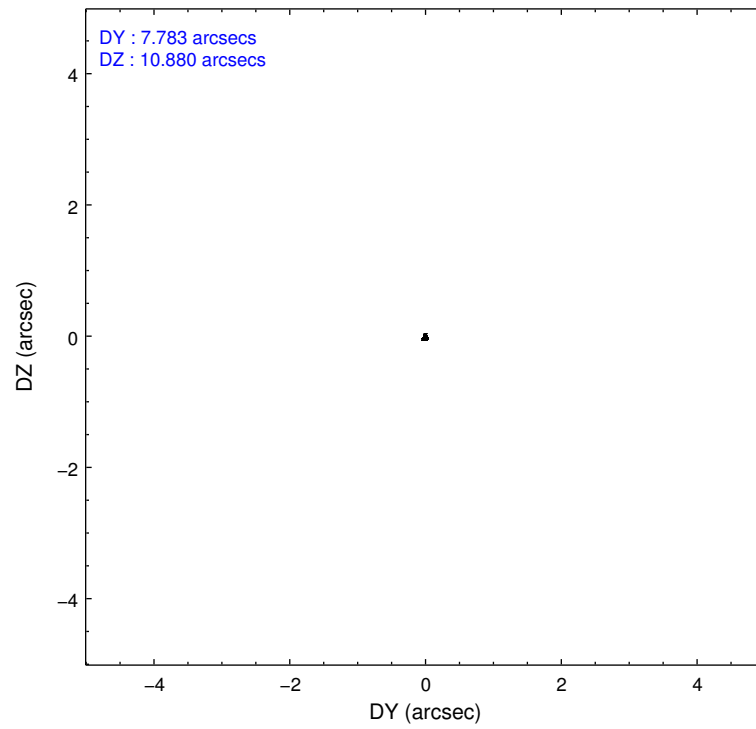
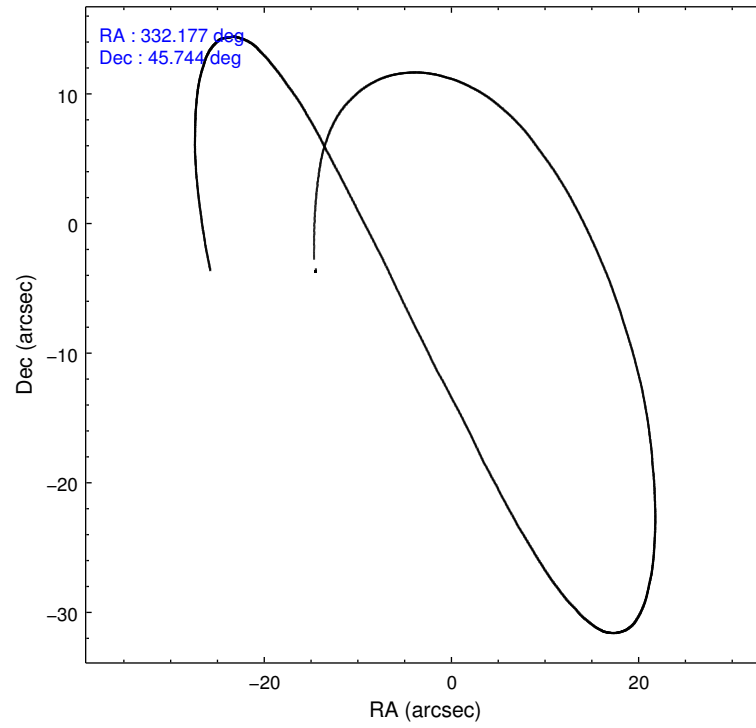
Level 1 Events

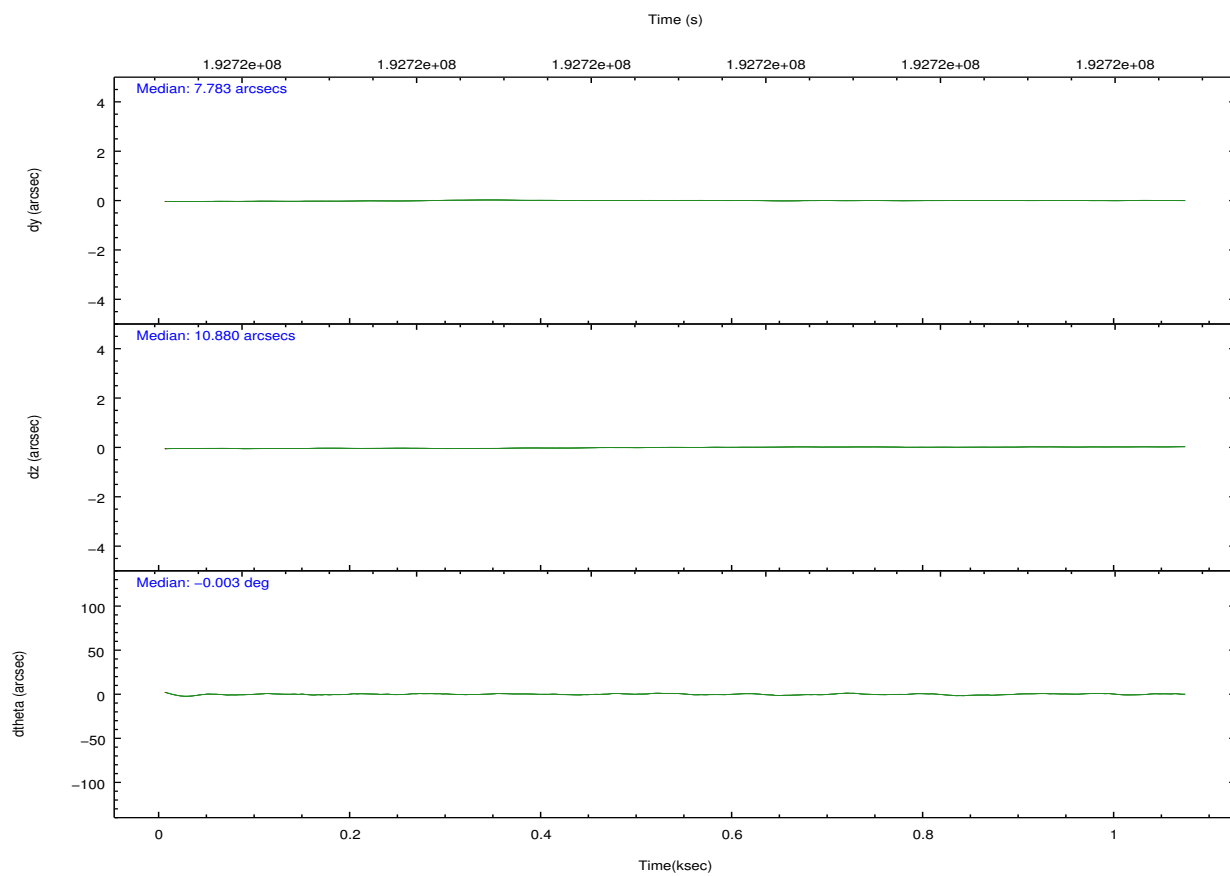
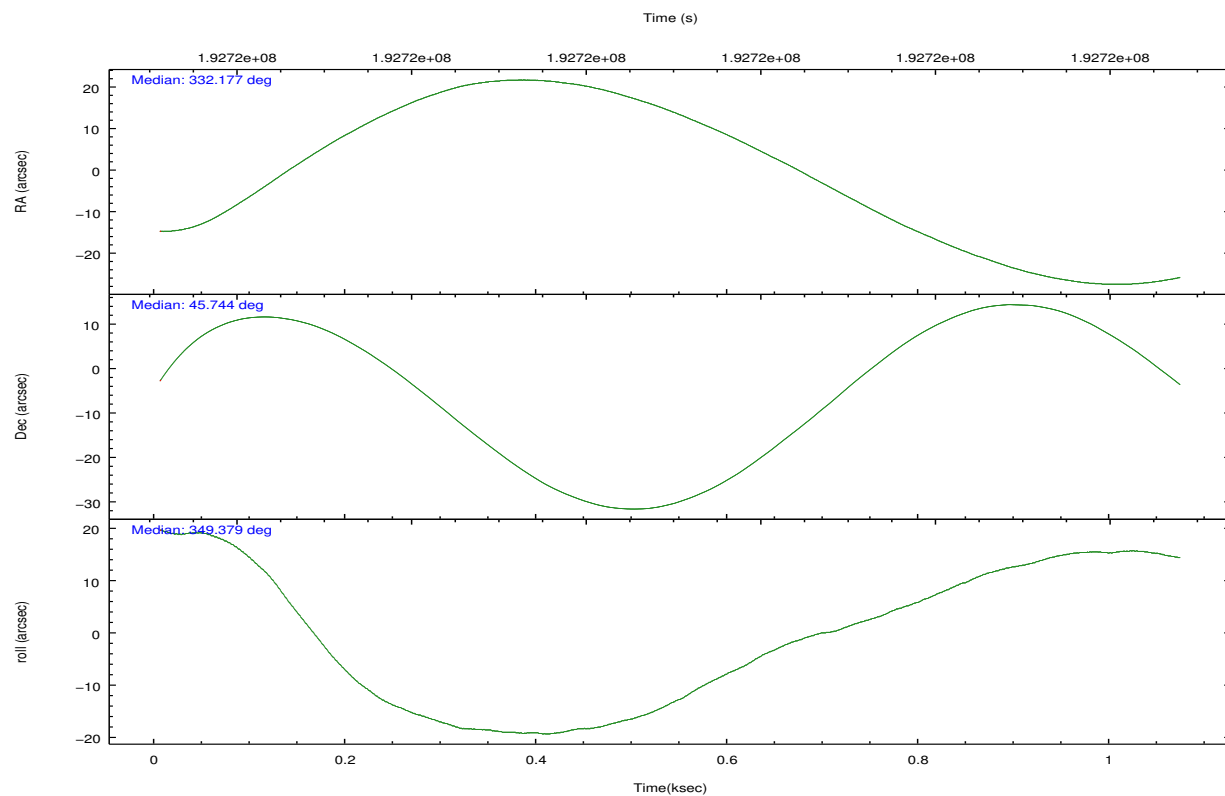
	segment 1	segment 2	segment 3
level 1 events	0	46827	0
rejected events	0	7856	0
rejected %	0%	16%	0%

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	332.138629	332.177055950097			
[deg] Pointing Dec	45.730489	45.74239094222212			
[deg] Pointing Roll	349.347301	349.3871055022529			
[s] Window start time (MET)	191980864.184000	191980864.184000			
[s] Window stop time (MET)	194313664.184000	194313664.184000			
[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)	192719889.184000	192718762.23447			
Observation start date	2004-02-09T13:17:05	2004-02-09T12:59:22			
[s] Observation end time (MET)	192720835.184000	192720968.54706			
Observation end date	2004-02-09T13:32:51	2004-02-09T13:36:08			

2.3 Aspect



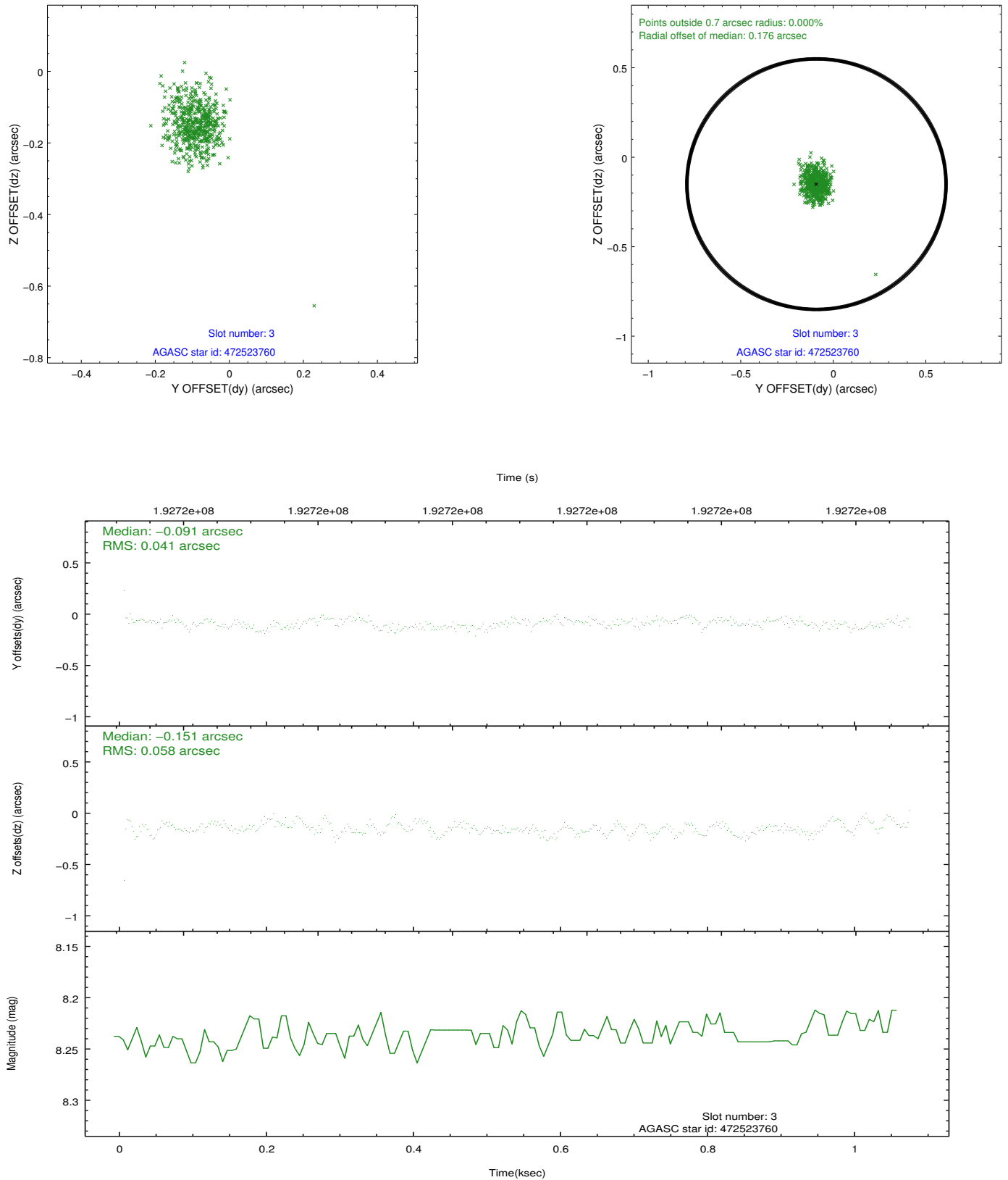


Slot Statistics

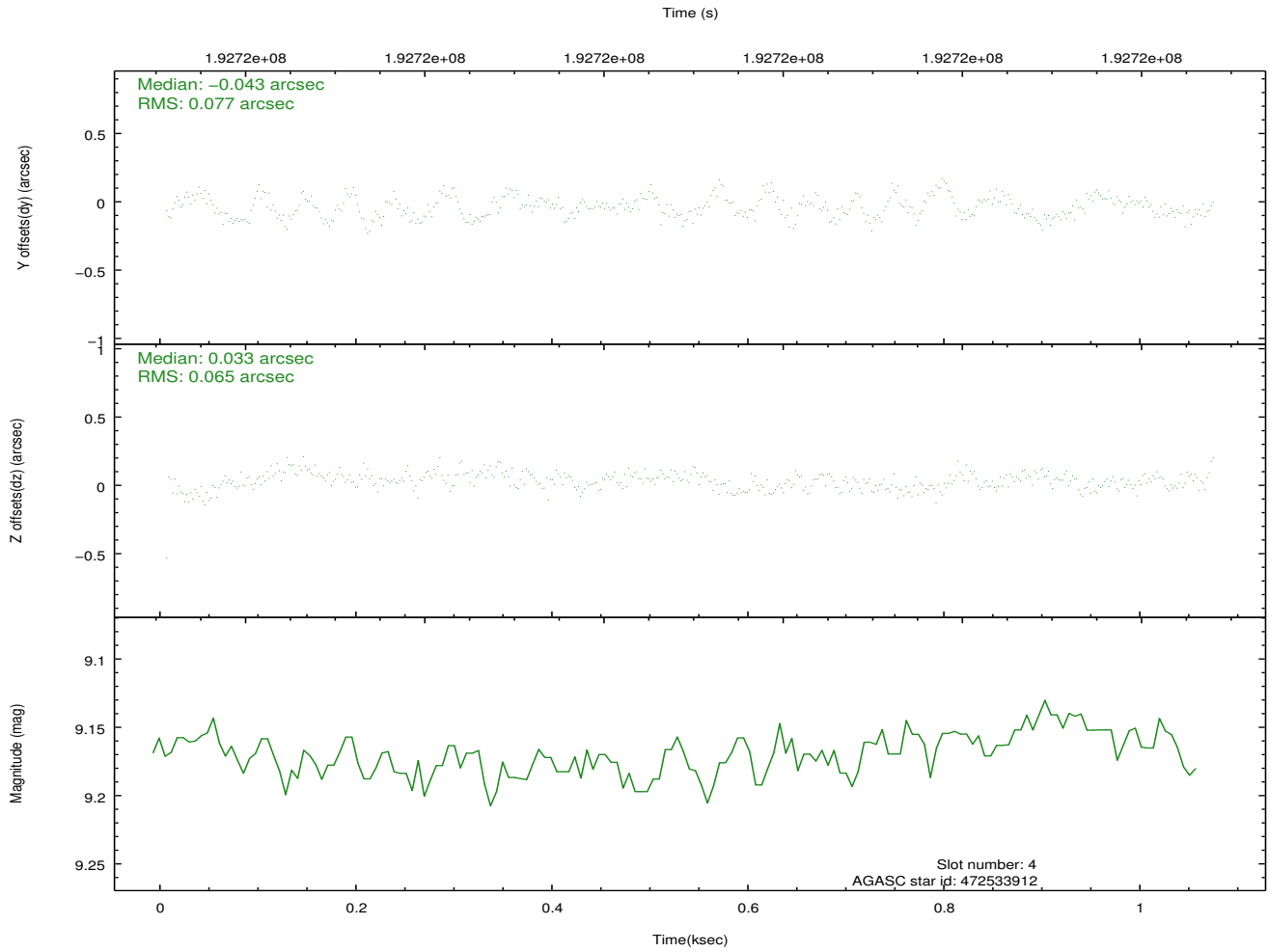
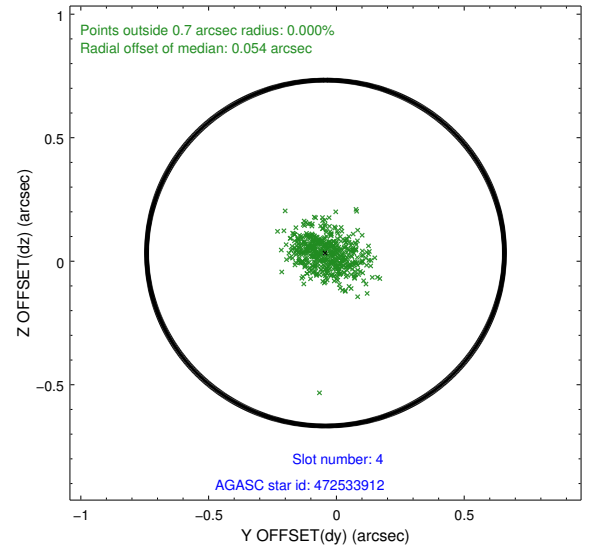
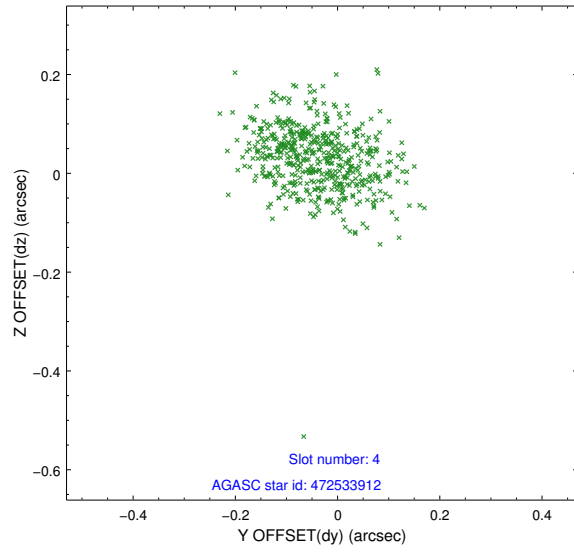
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	261	0.137	-0.179	0.008	0.013	0.000000	0.000000	-1161.94	-459.59
1	FID	HRC-S-2	7.04	261	0.155	-0.114	0.005	0.010	0.000000	0.000000	1233.31	-453.94
2	FID	HRC-S-3	7.05	261	0.097	-0.009	0.009	0.014	0.000000	0.000000	-1159.97	568.37
3	GUIDE	472523760	8.24	522	-0.091	-0.151	0.072	0.117	331.645363	45.403260	-1008.39	-1388.64
4	GUIDE	472533912	9.17	522	-0.043	0.033	0.104	0.168	331.791136	46.368695	-1275.93	2093.56
5	GUIDE	472654568	9.44	522	-0.040	-0.019	0.099	0.164	332.194449	45.063576	580.98	-2333.02
6	GUIDE	472655152	9.43	522	0.133	0.012	0.107	0.203	332.504239	45.862991	813.18	632.03
7	GUIDE	472659832	9.46	521	0.036	0.131	0.103	0.163	332.780399	46.098139	1329.74	1600.89

2.4 Star Slots

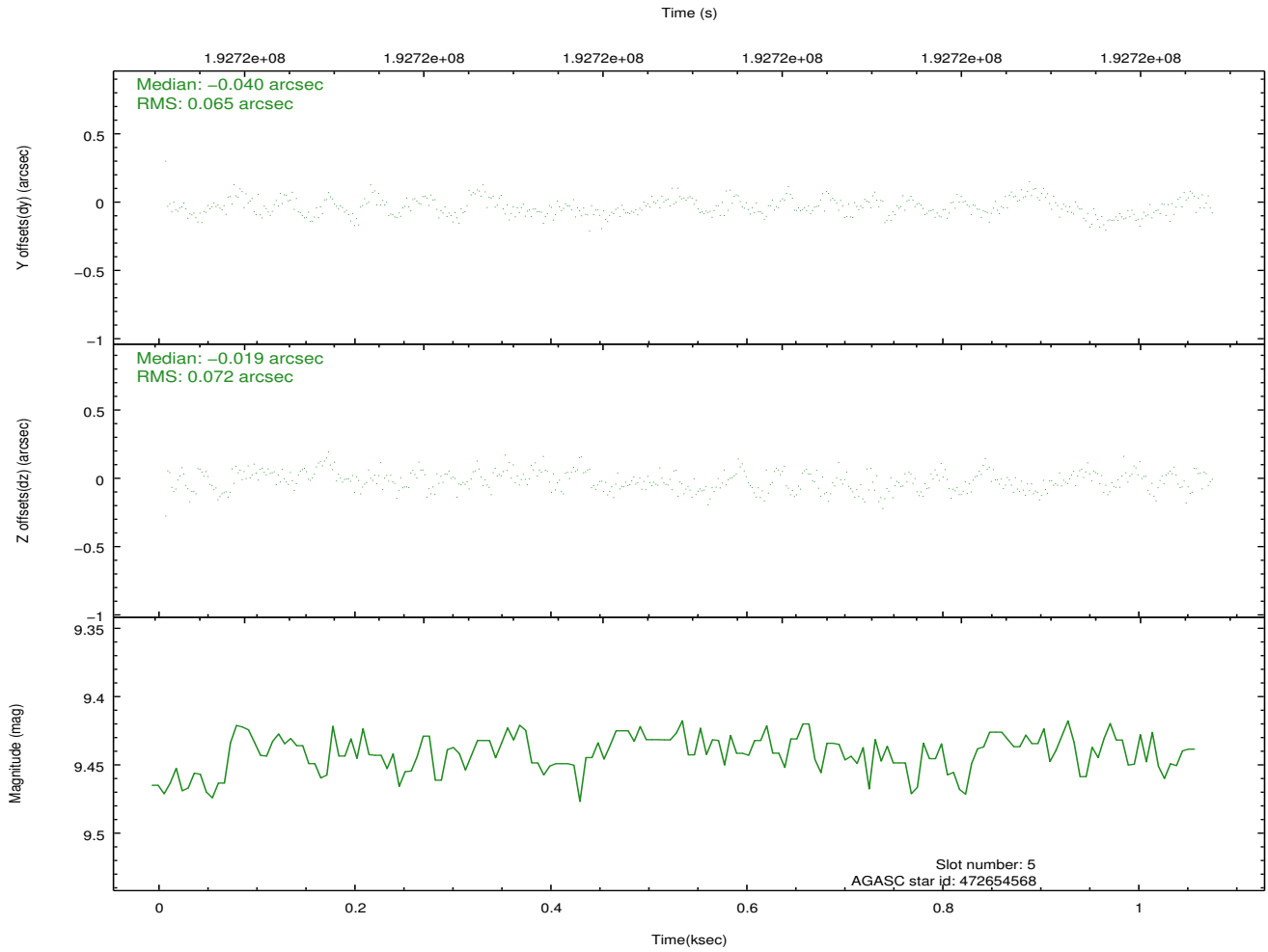
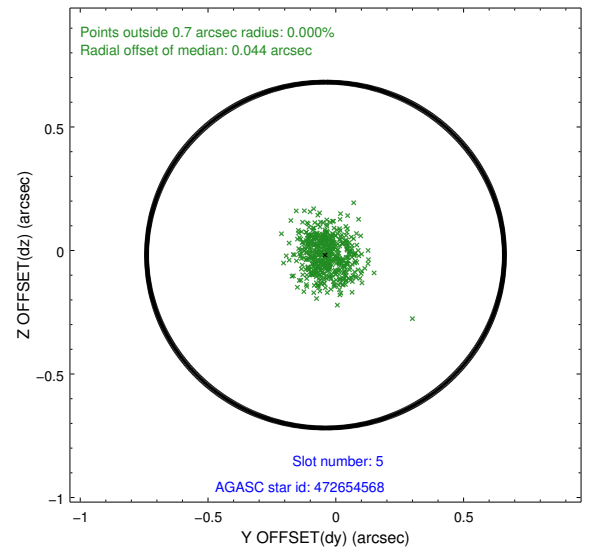
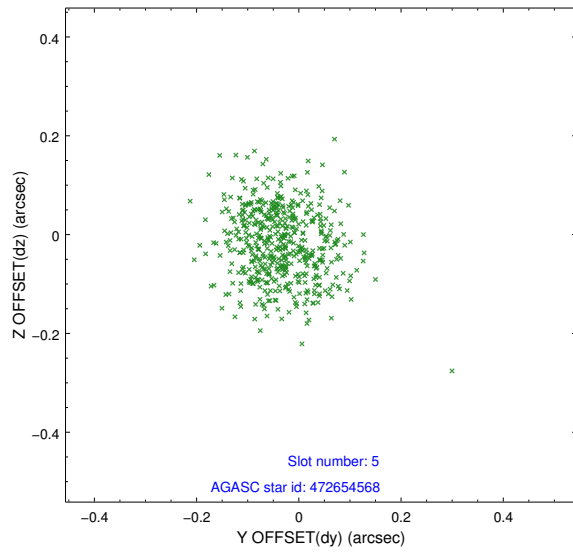
2.4.1 Slot 3



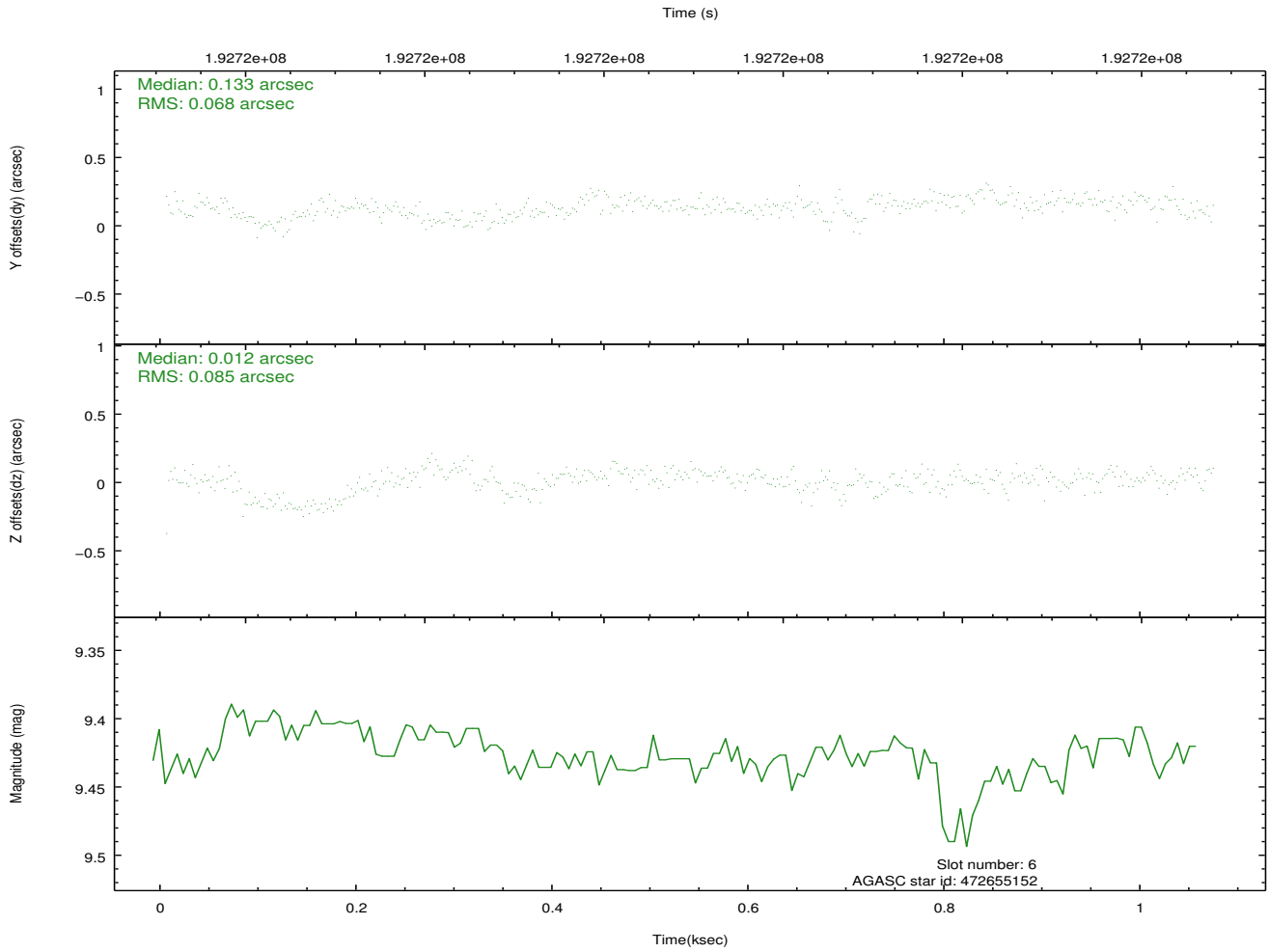
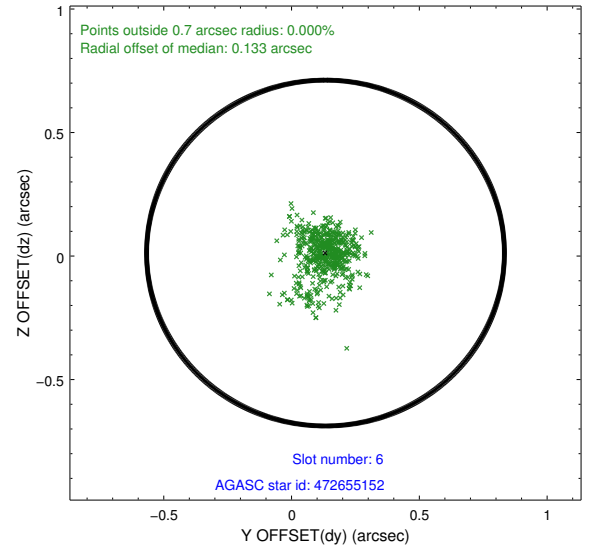
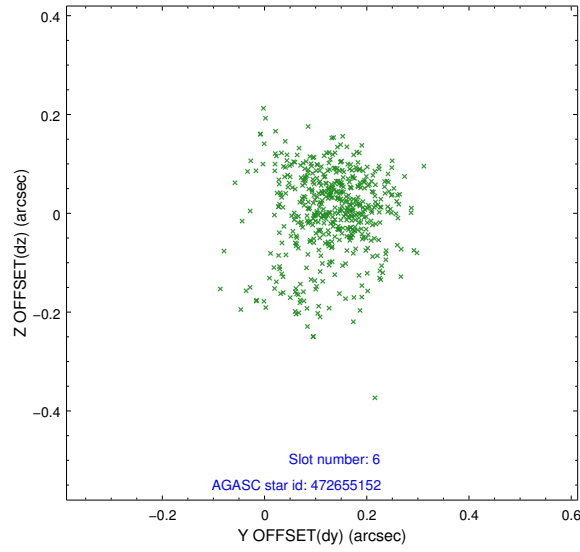
2.4.2 Slot 4



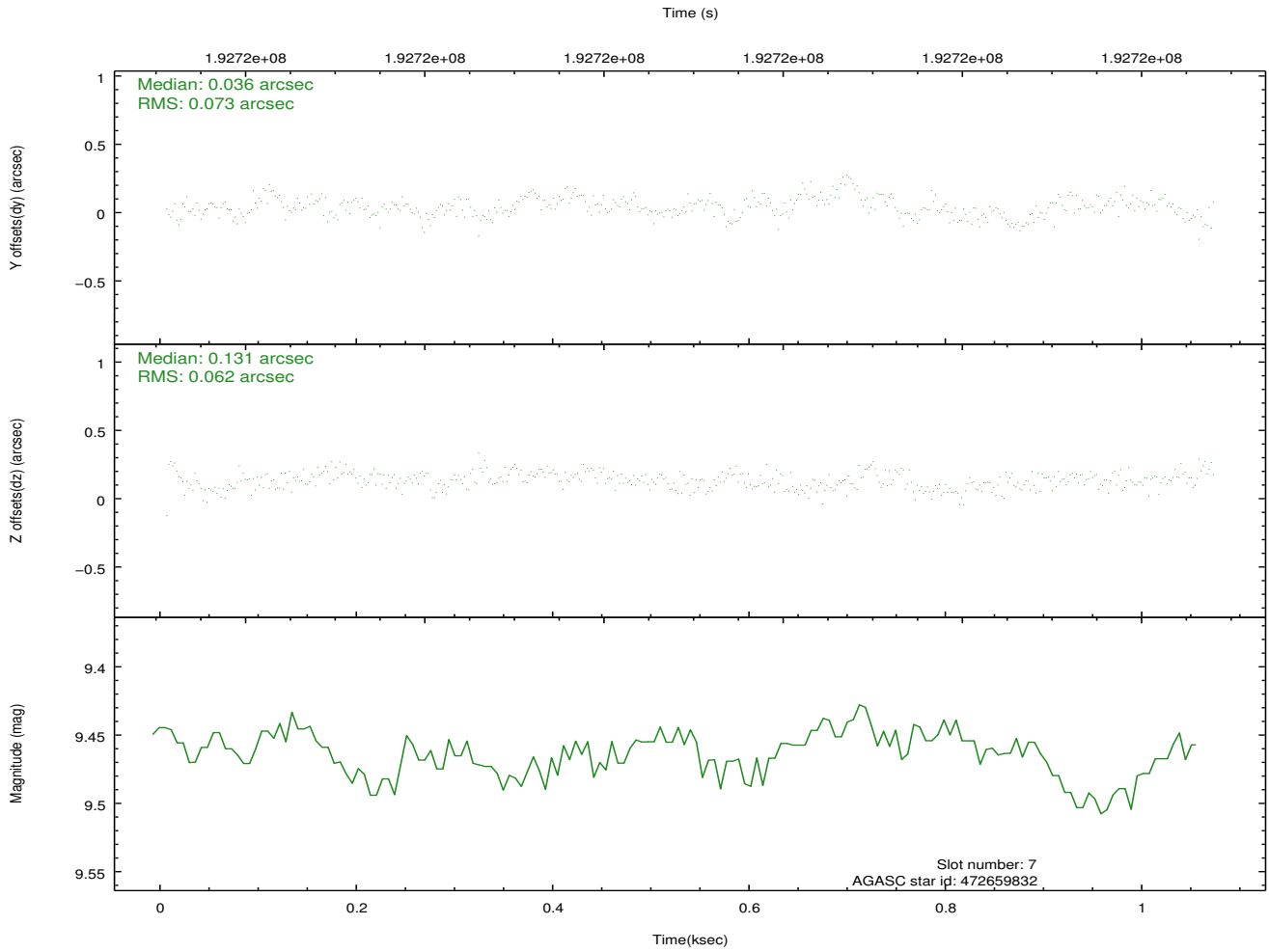
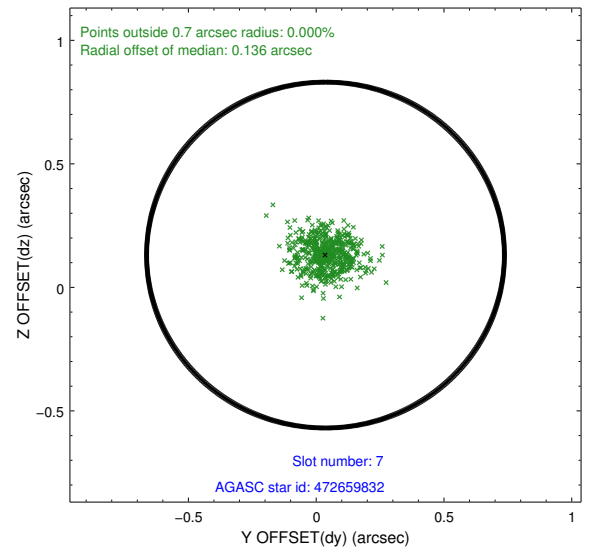
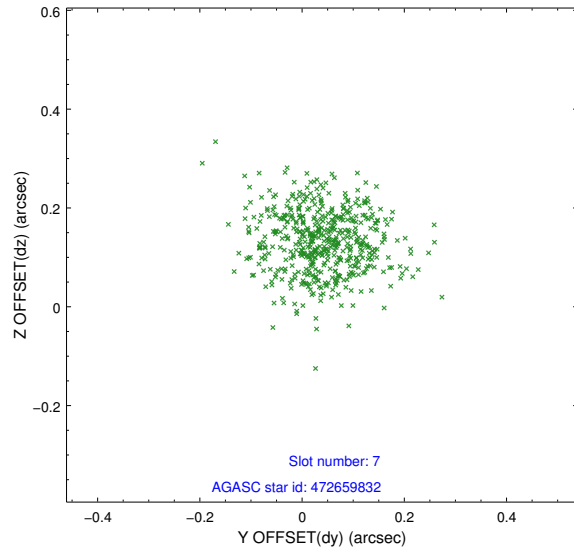
2.4.3 Slot 5



2.4.4 Slot 6

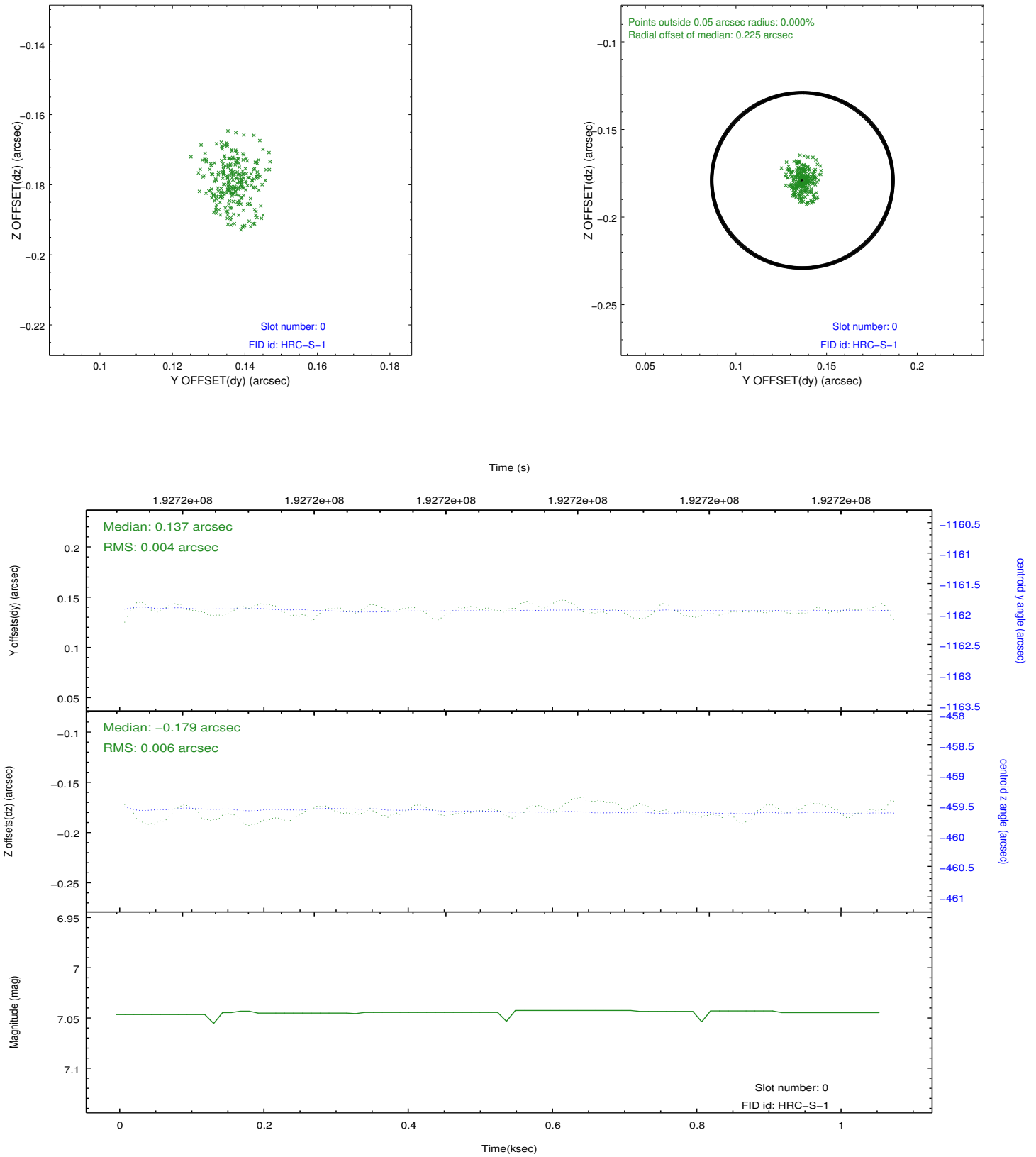


2.4.5 Slot 7

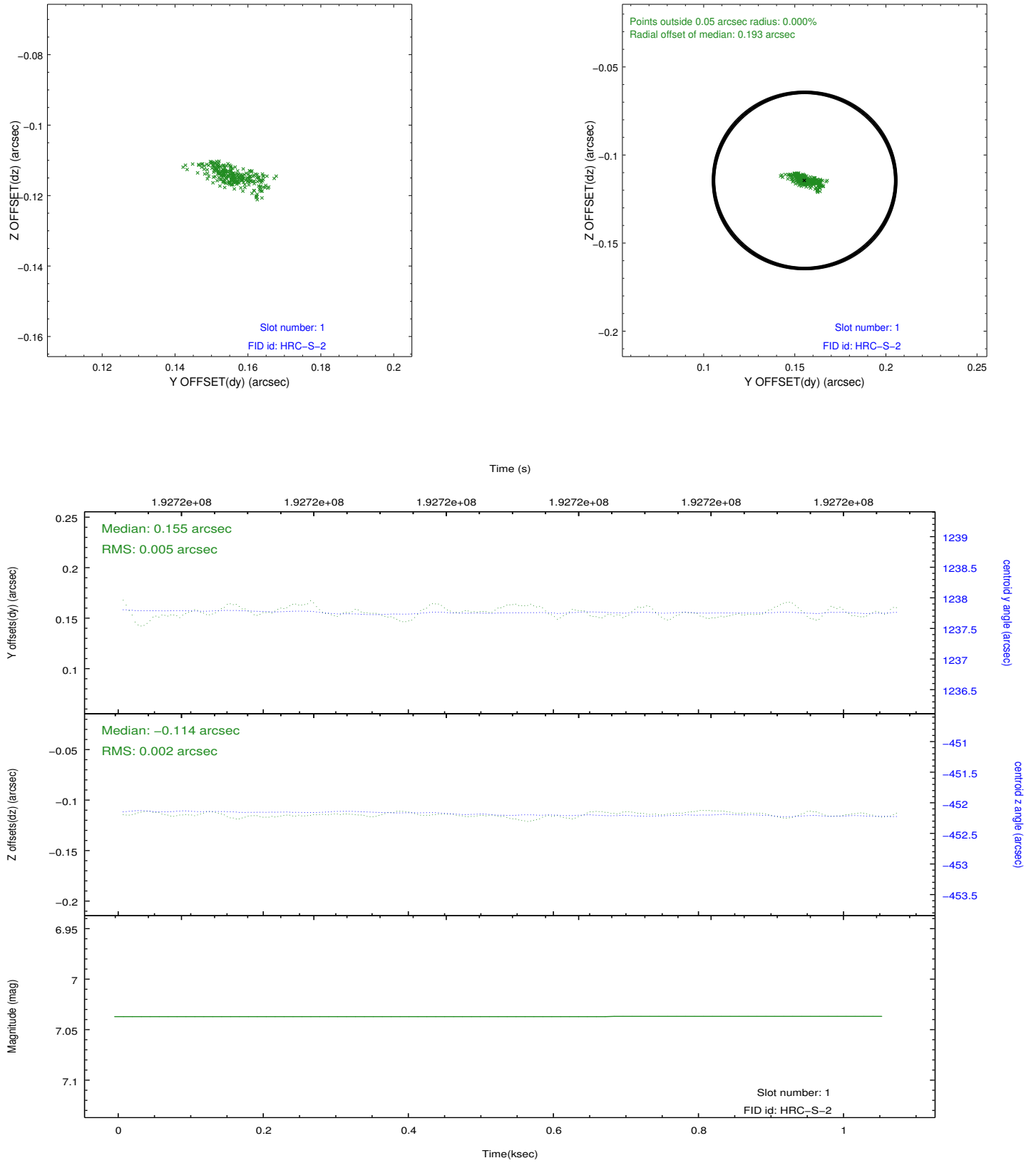


2.5 FID Slots

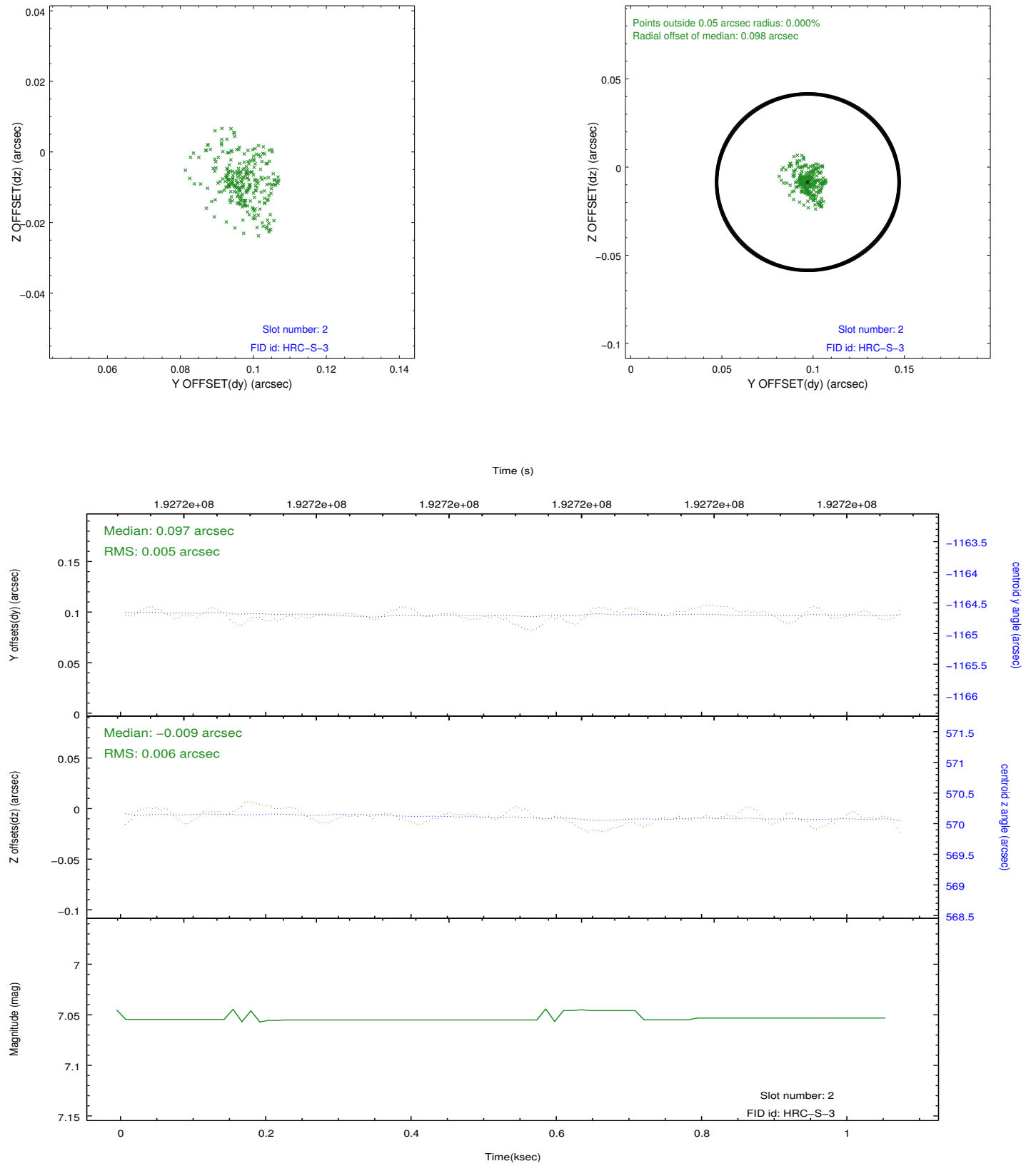
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.858

A.2 Comments

Window constraint met.