

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2596 - L2 Version 3
Chandra X-Ray Center

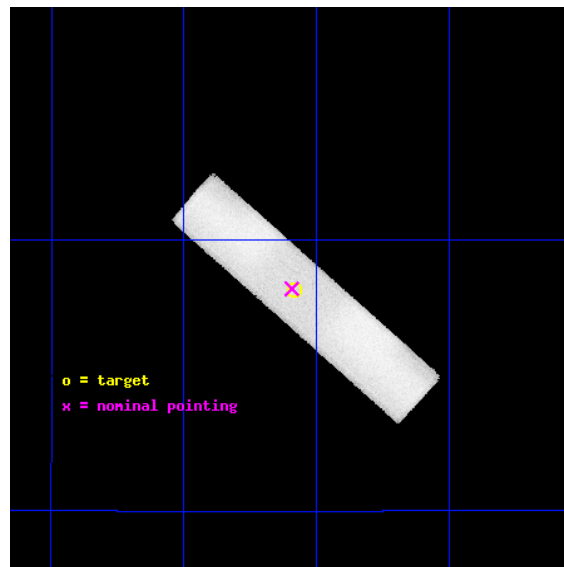
L2 Processing Date : Sep 28 2012

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1 Front

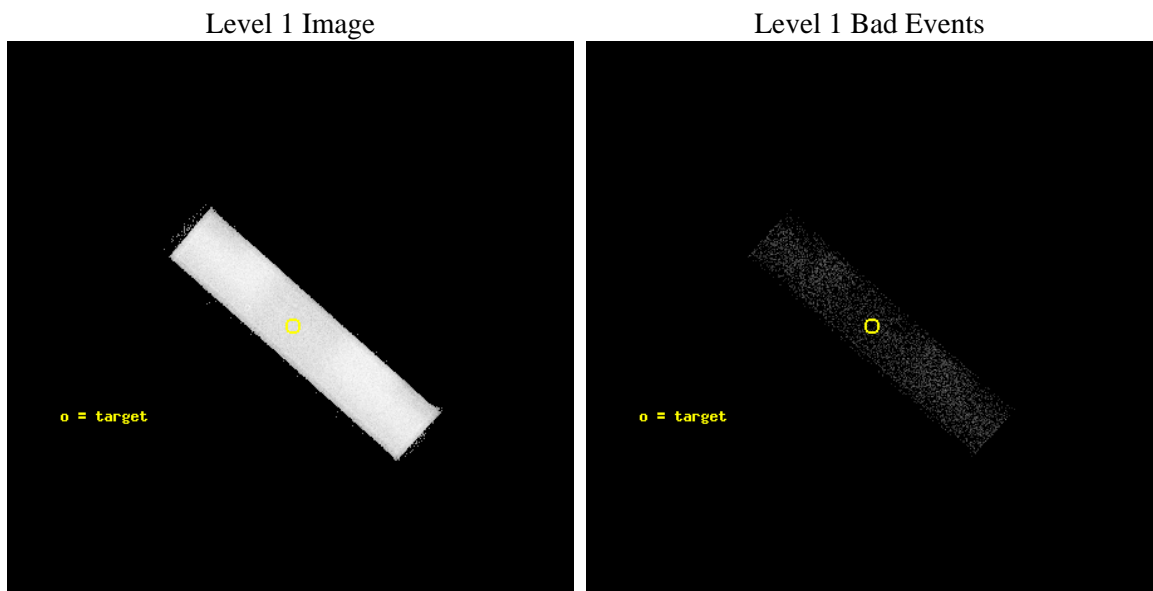
seq_num	290152	Sequence number
obs_id	2596	Observation id
title	AO3 CALIBRATION OBSERVATIONS OF BETELGEUSE	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	BETELGEUSE	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.796549069591	Nominal RA [deg]
dec_nom	7.4100784759373	Nominal Dec [deg]
roll_nom	41.377154313689	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1972.3563289493	[s]
livetime	1863.3184634454	Ontime multiplied by DTCOR
l2events	277494	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1972.3563289493	[s]
caldsver	4.5.2	 	l1events	311994	Number of level 1 events
date	2012-09-28T22:04:25	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

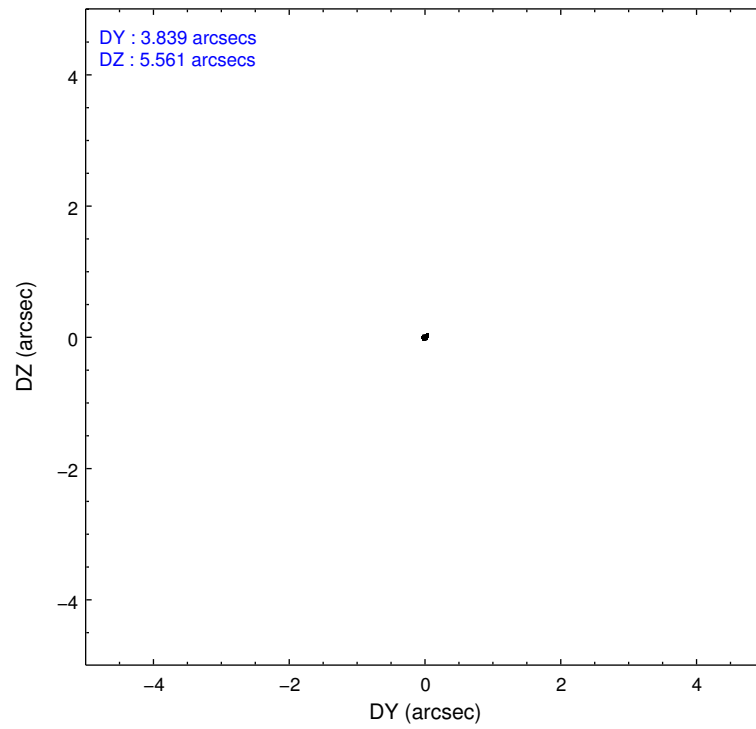
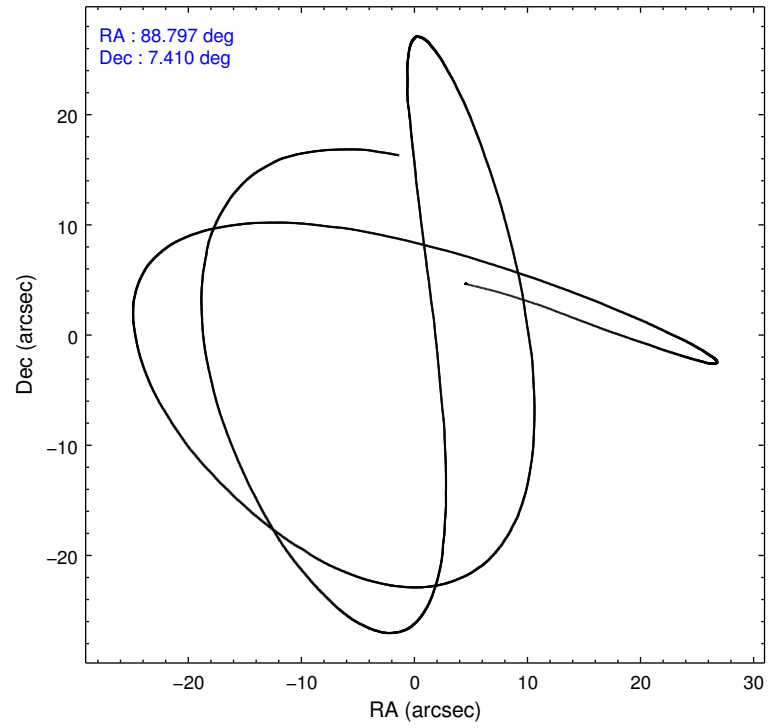
Level 1 Events

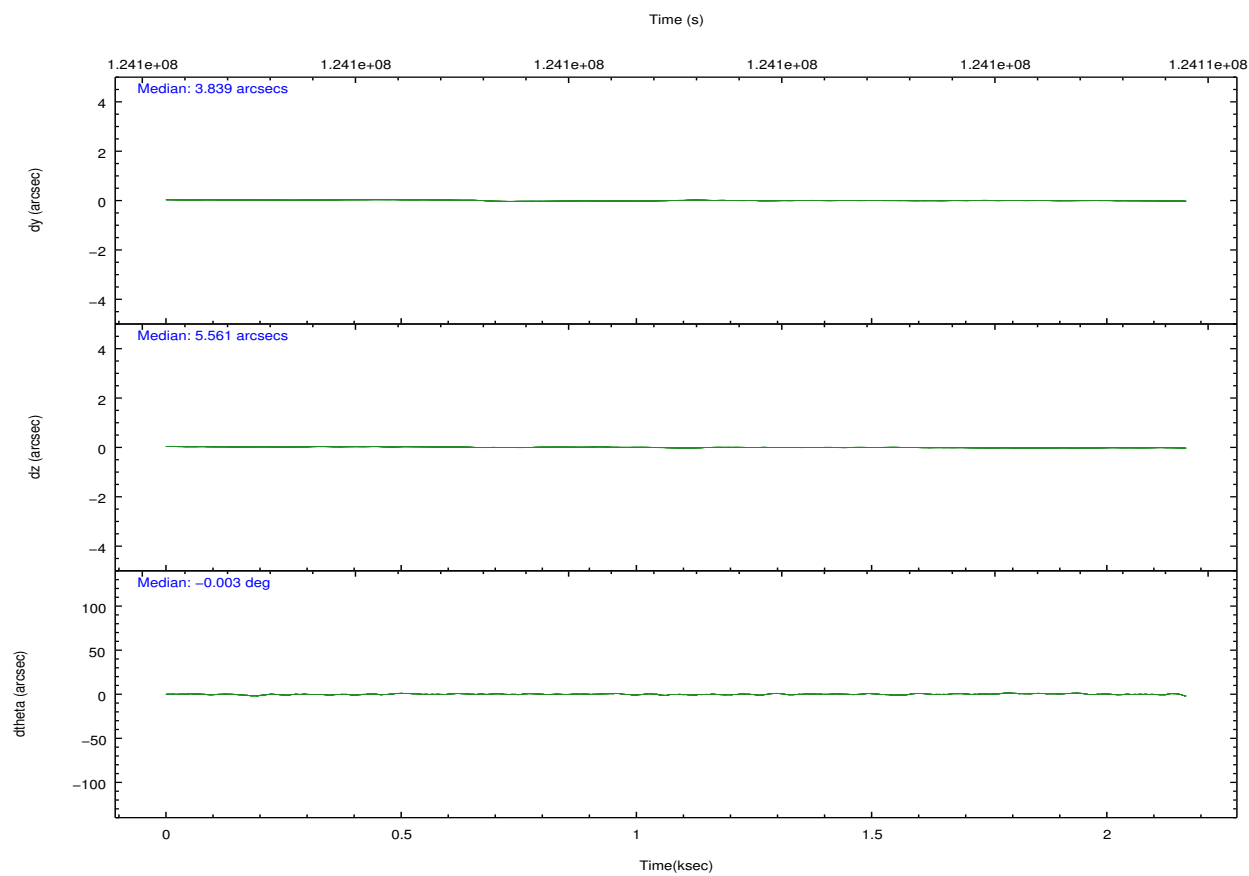
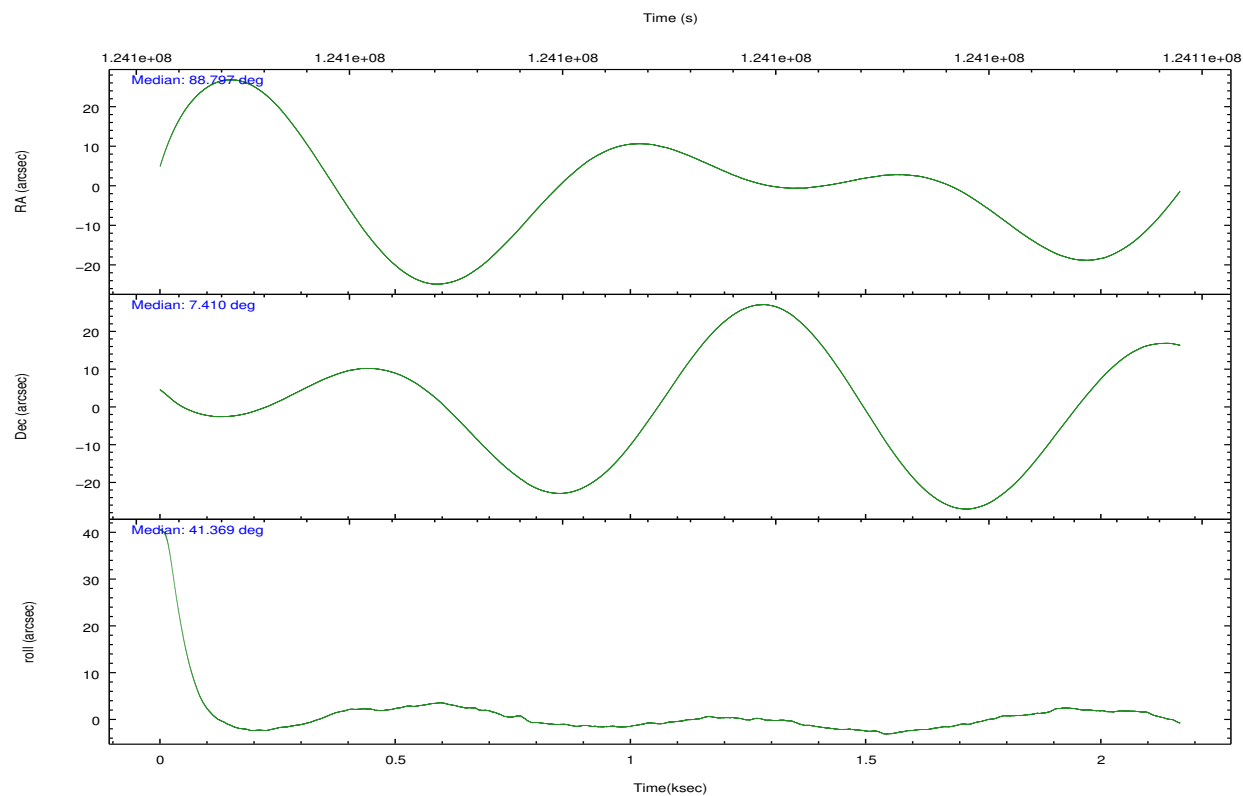
	segment 1	segment 2	segment 3
level 1 events	0	311994	0
rejected events	0	15516	0
rejected %	0%	4%	0%

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	88.788708	88.79654906959095			
[deg] Pointing Dec	7.382528	7.410078475937328			
[deg] Pointing Roll	41.310590	41.37715431368853			
[s] Window start time (MET)	123552064.184000	123552064.184000			
[s] Window stop time (MET)	126144064.184000	126144064.184000			
[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)	124103335.184000	124102459.57656			
Observation start date	2001-12-07T09:07:51	2001-12-07T08:54:19			
[s] Observation end time (MET)	124105335.184000	124105470.00168			
Observation end date	2001-12-07T09:41:11	2001-12-07T09:44:30			

2.3 Aspect



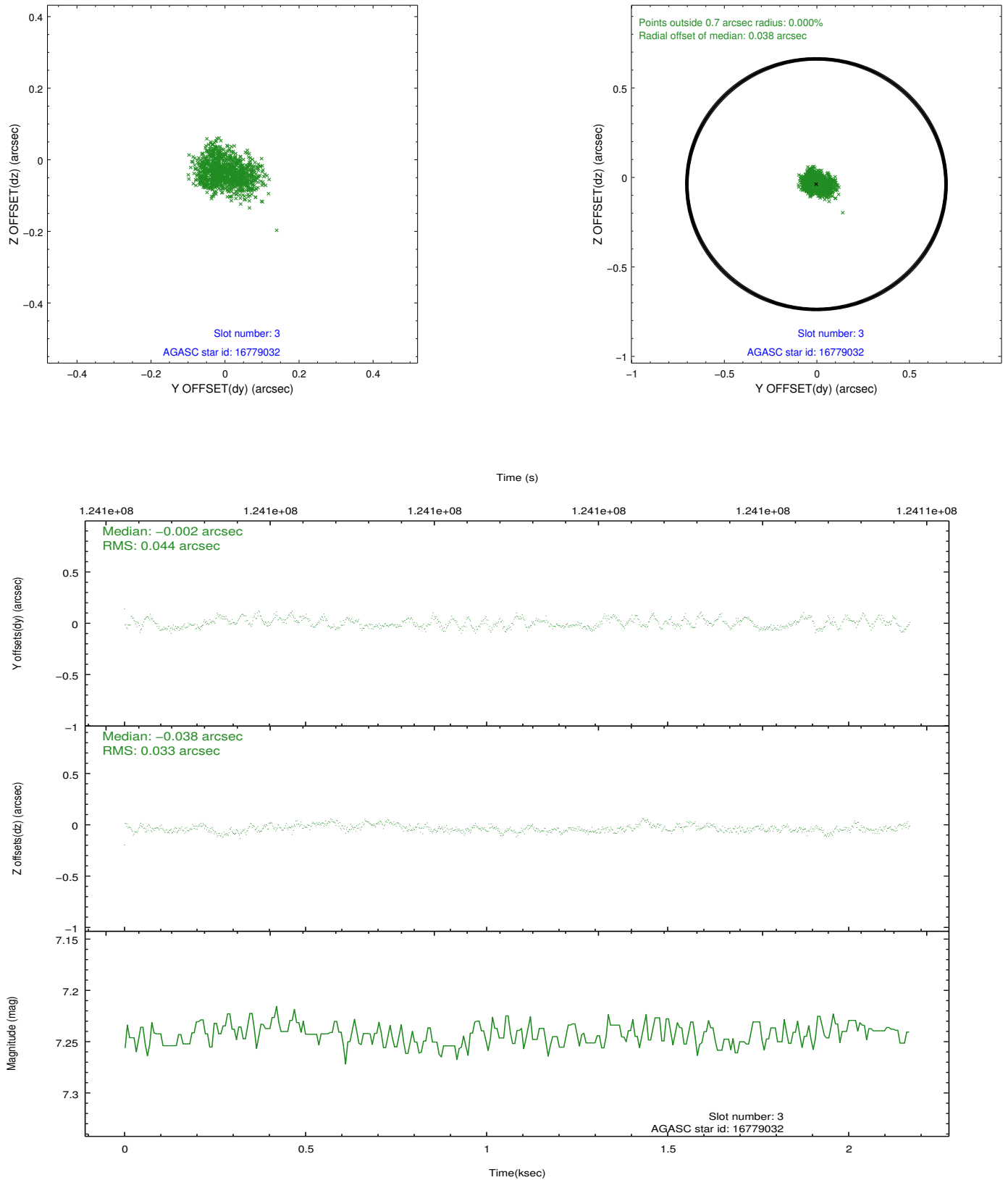


Slot Statistics

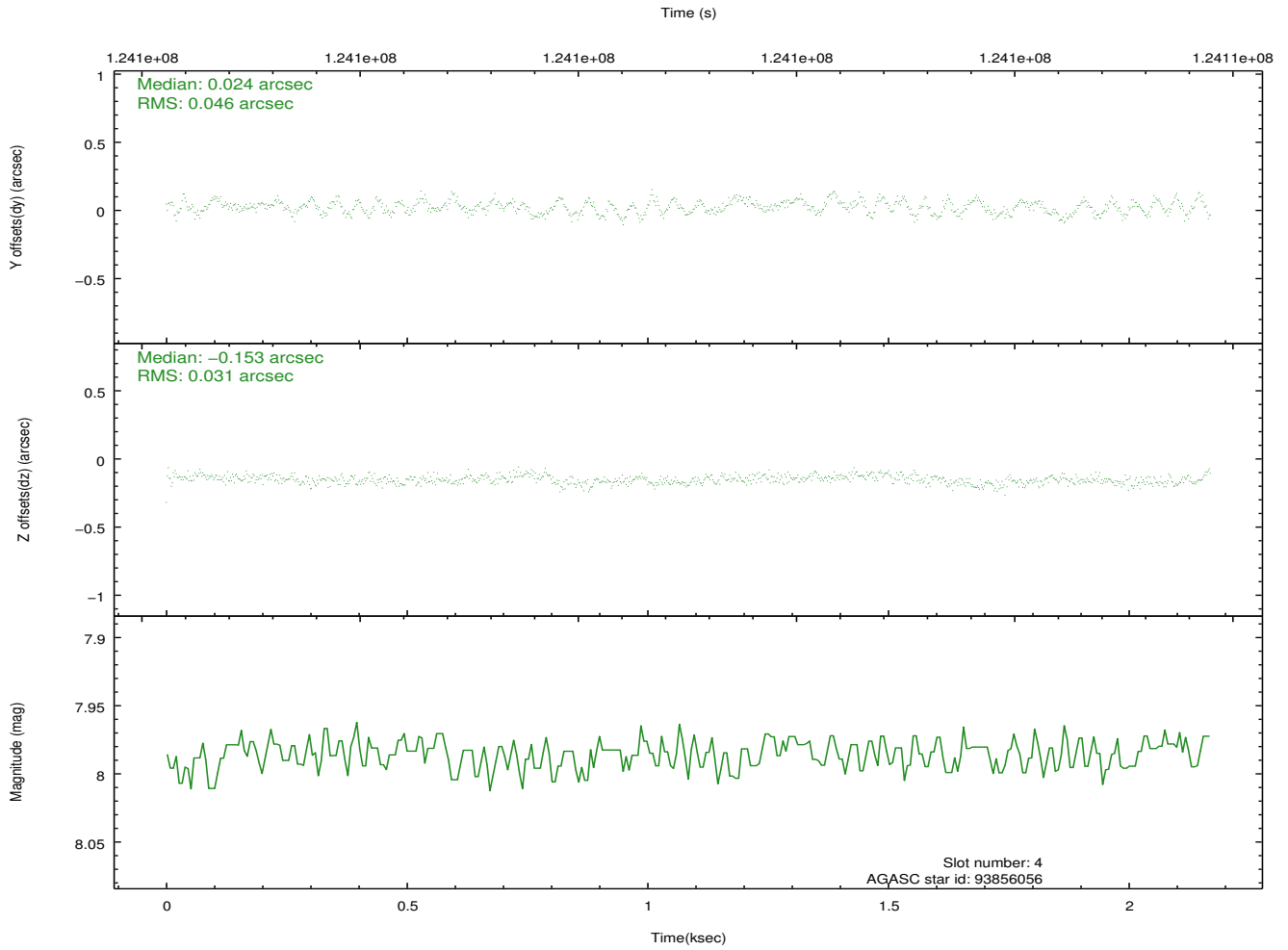
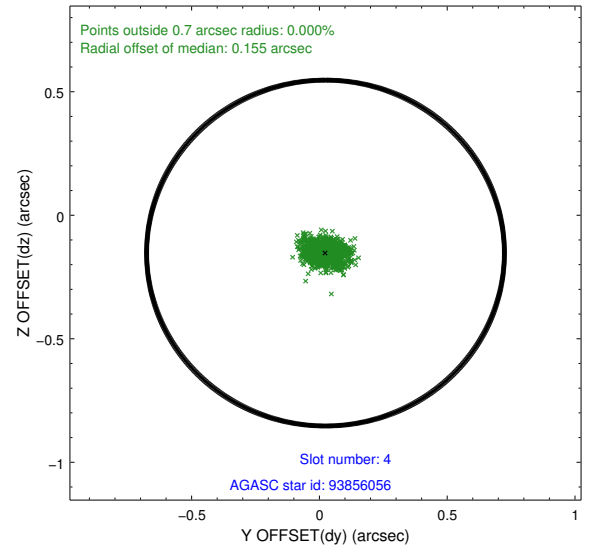
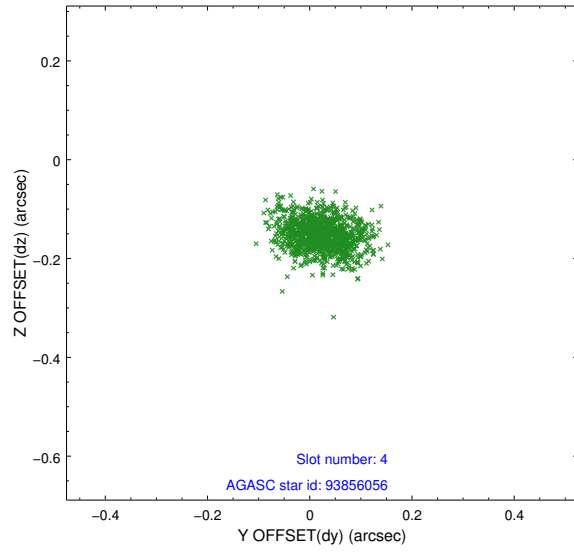
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	529	0.161	-0.161	0.006	0.012	0.000000	0.000000	-1157.89	-454.10
1	FID	HRC-S-2	6.99	529	0.081	-0.093	0.005	0.009	0.000000	0.000000	1239.52	-447.55
2	FID	HRC-S-3	7.01	529	0.147	-0.048	0.006	0.011	0.000000	0.000000	-1158.27	574.70
3	GUIDE	16779032	7.24	1059	-0.002	-0.038	0.060	0.092	88.070651	7.329382	-2050.00	1550.94
4	GUIDE	93856056	7.98	1059	0.024	-0.153	0.059	0.097	88.147460	7.547925	-1326.02	1961.31
5	GUIDE	16913360	8.34	1059	-0.057	0.065	0.060	0.097	89.178373	7.247125	723.80	-1281.39
6	GUIDE	16918912	8.66	1058	-0.045	0.158	0.087	0.135	89.257075	6.922287	166.09	-2348.97
7	GUIDE	93855168	9.06	1058	0.076	-0.036	0.074	0.118	89.021483	7.846508	1727.54	705.75

2.4 Star Slots

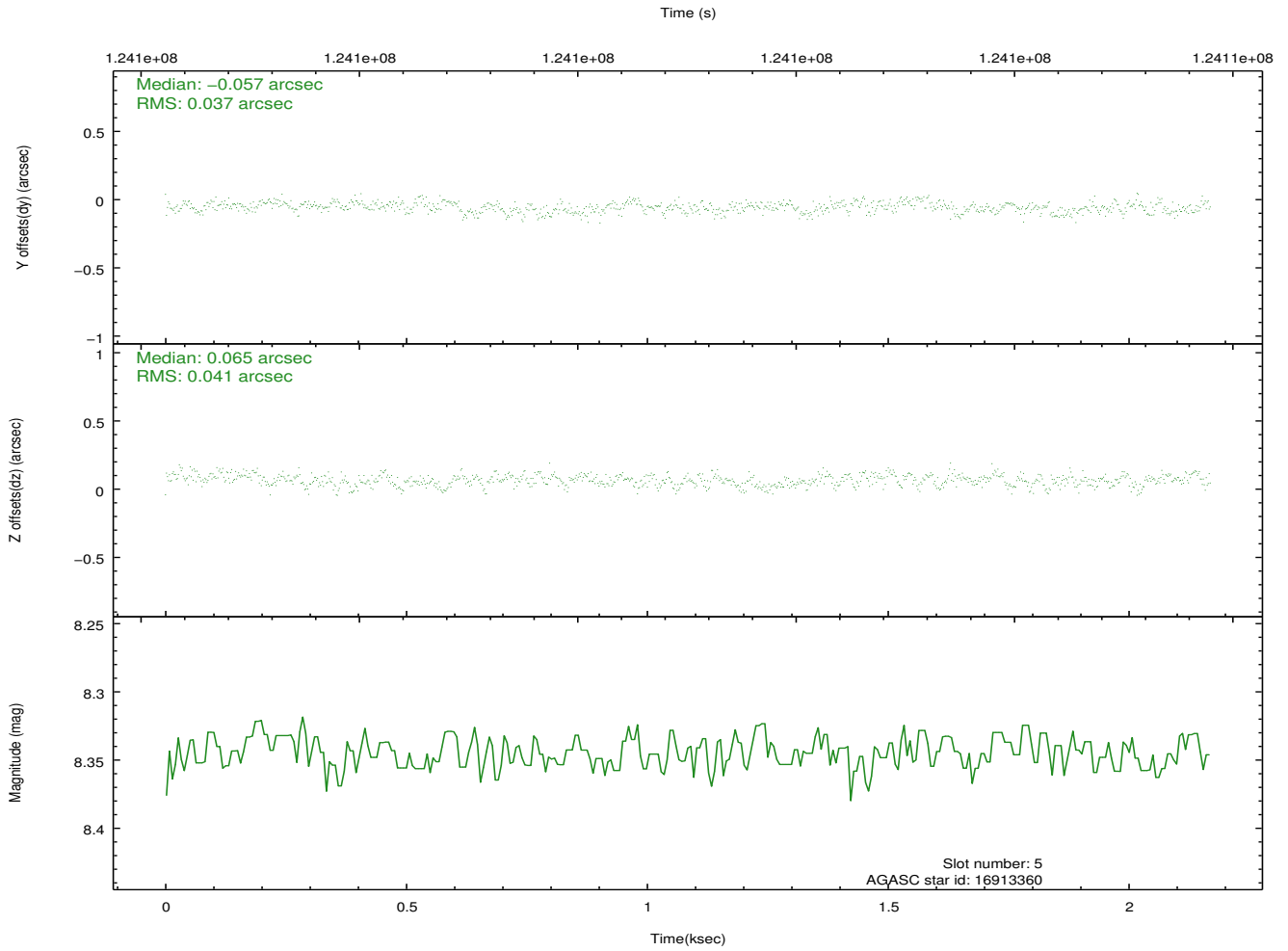
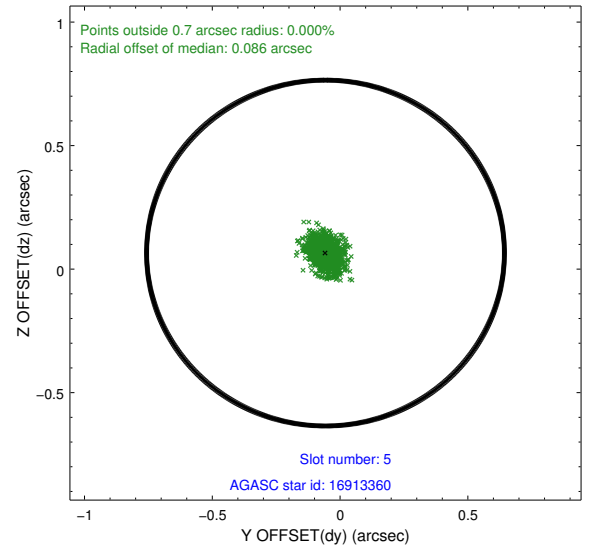
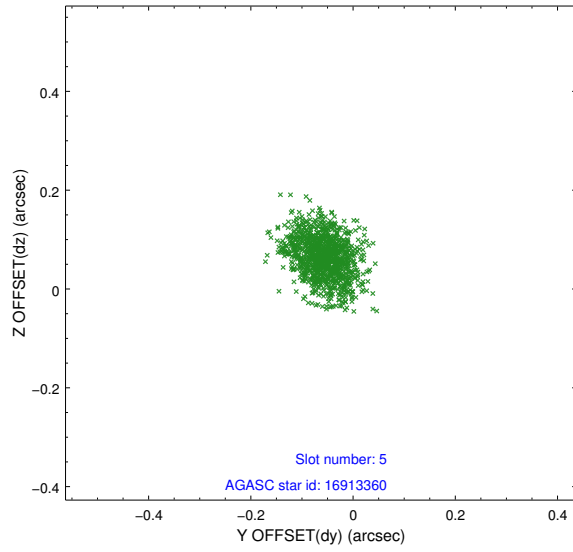
2.4.1 Slot 3



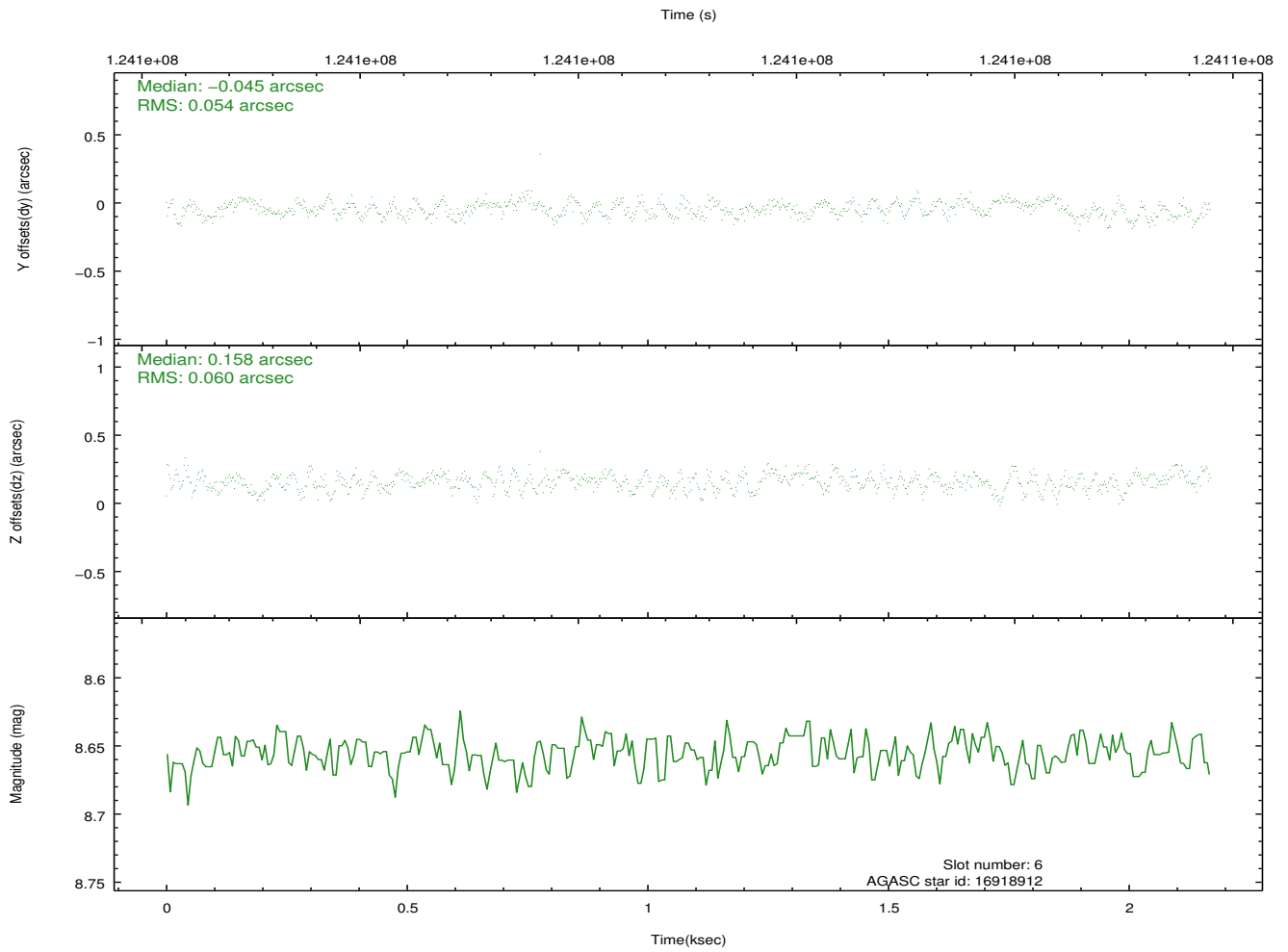
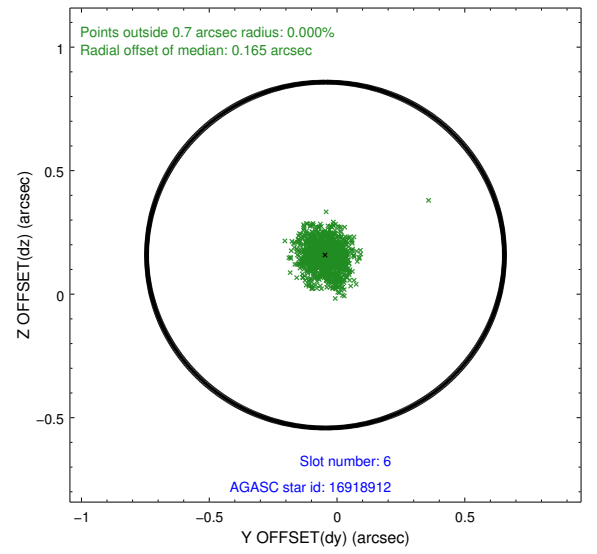
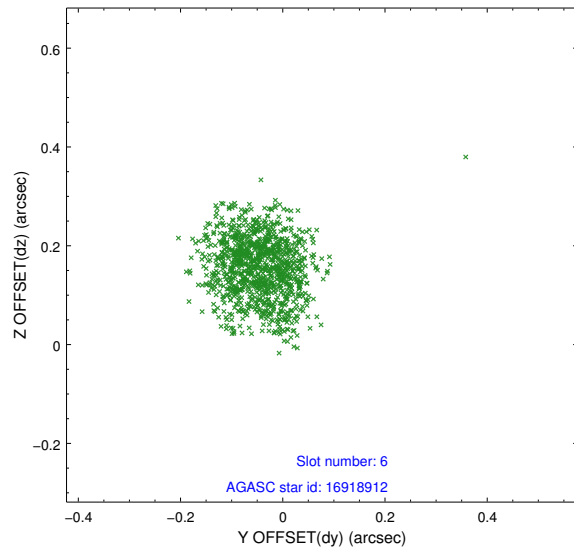
2.4.2 Slot 4



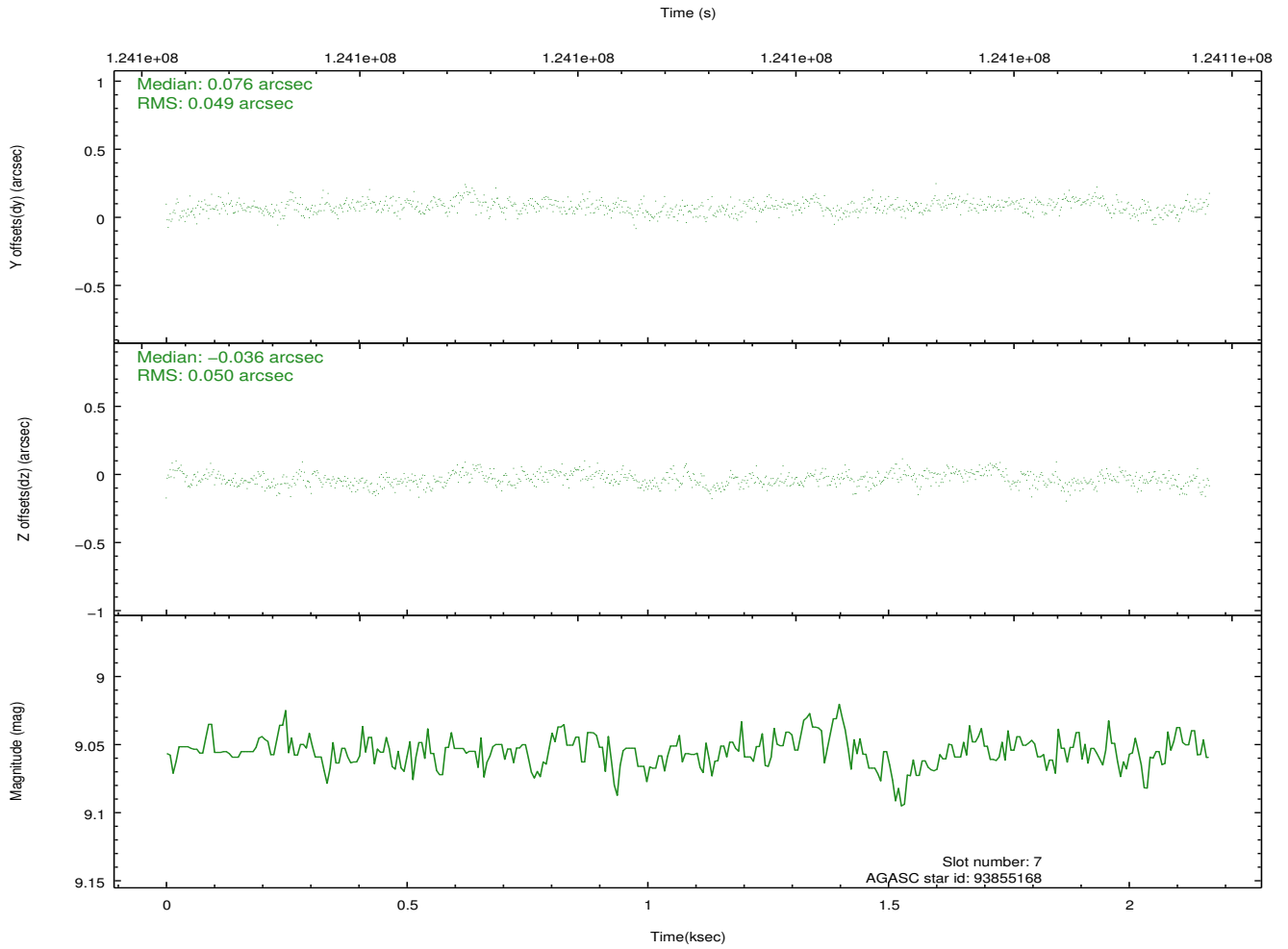
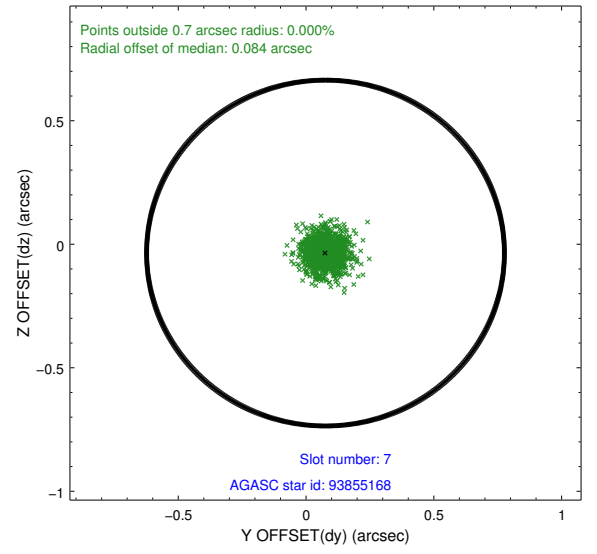
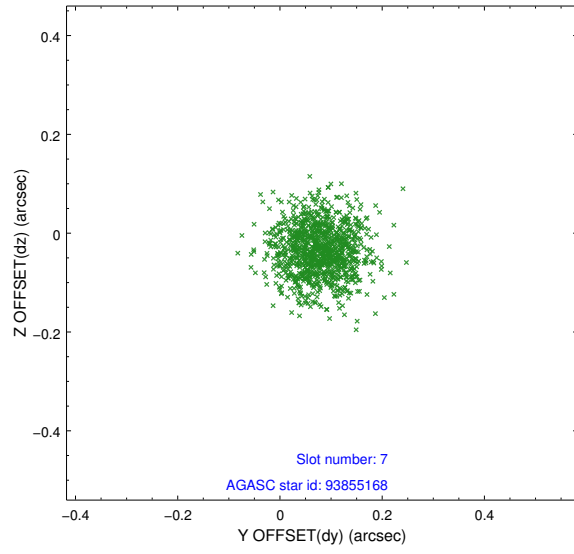
2.4.3 Slot 5



2.4.4 Slot 6

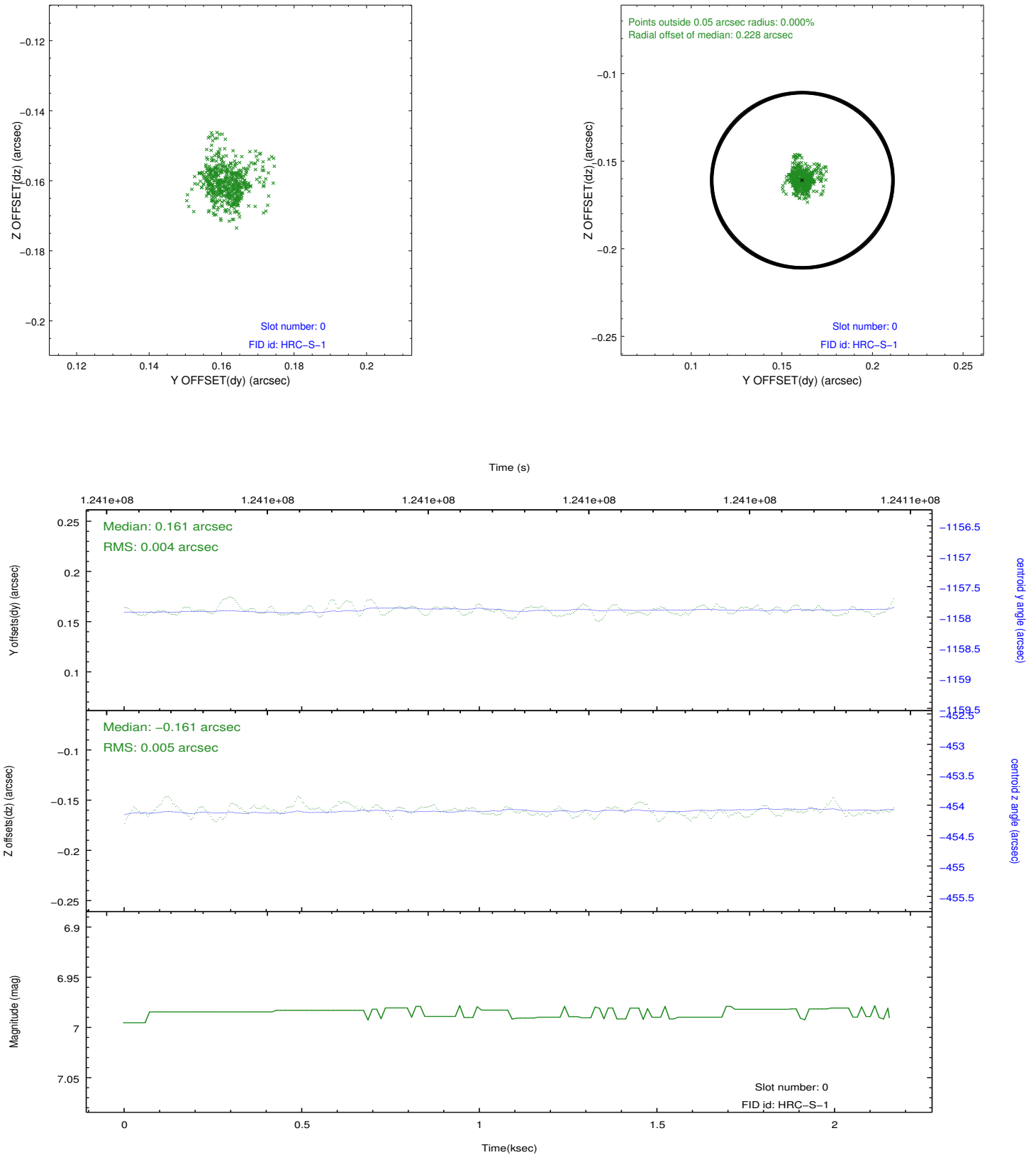


2.4.5 Slot 7

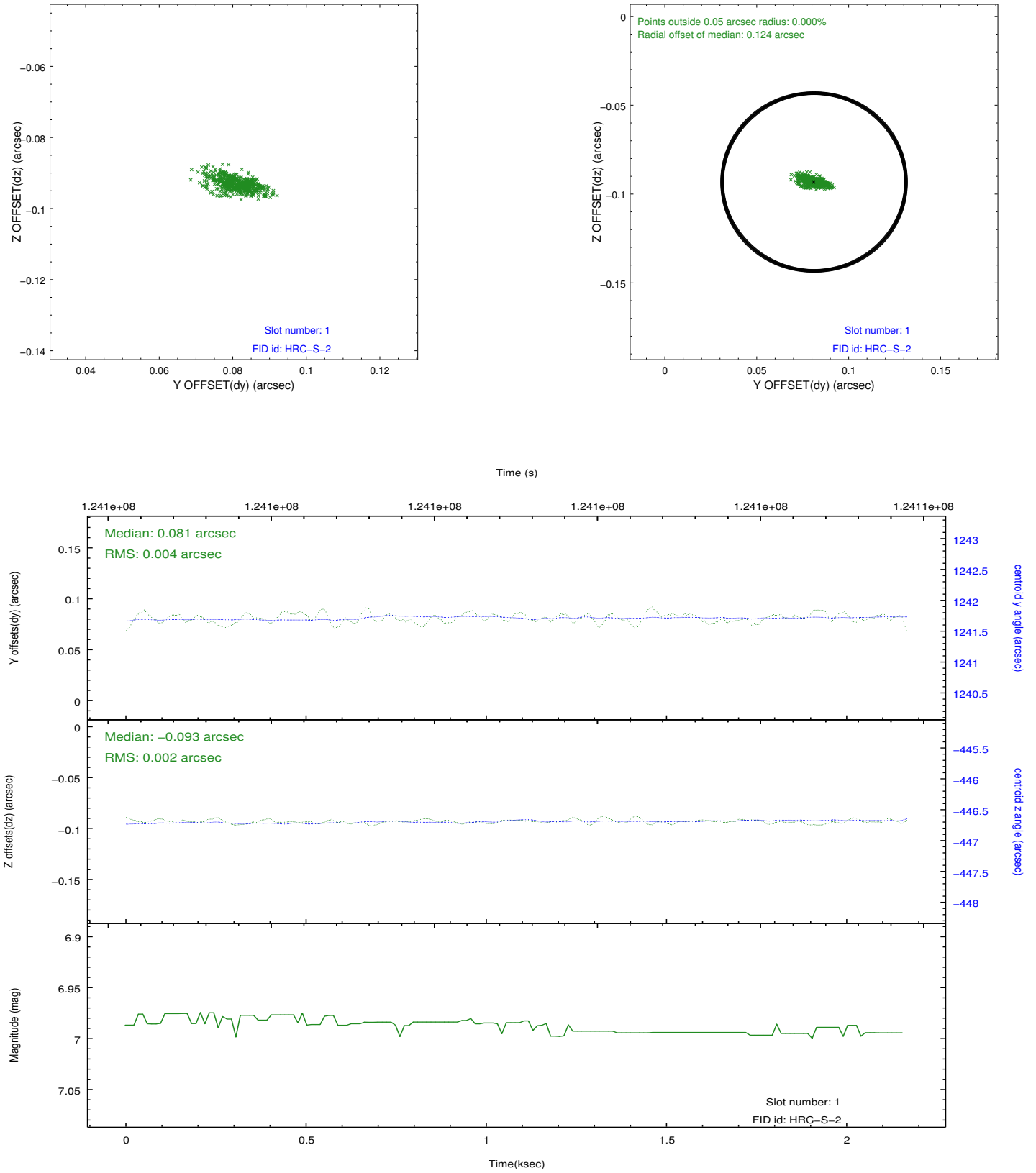


2.5 FID Slots

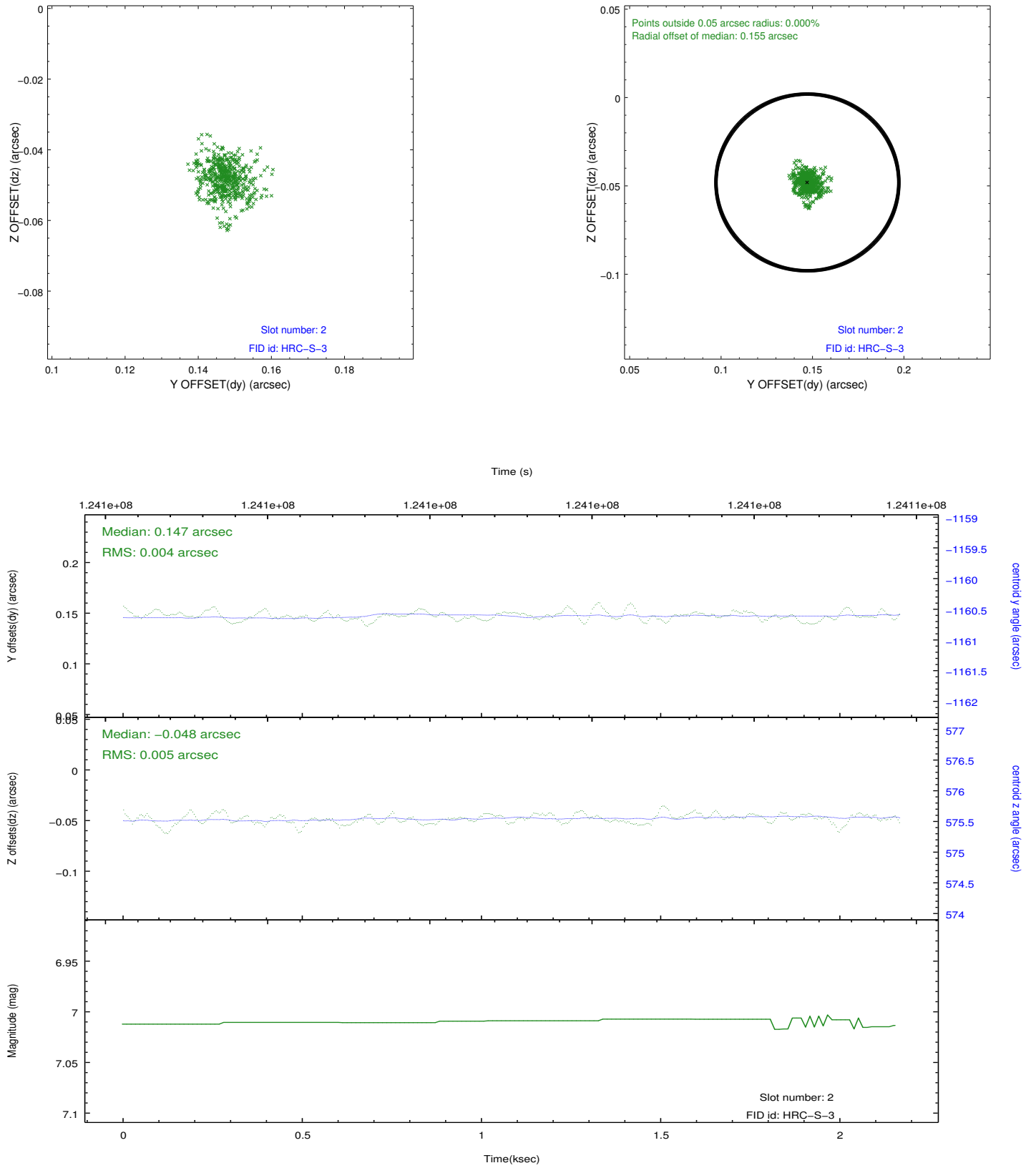
2.5.1 Slot 0



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)	2012.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.972

A.2 Comments

Window constraint met.