

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6451 - L2 Version 3
Chandra X-Ray Center

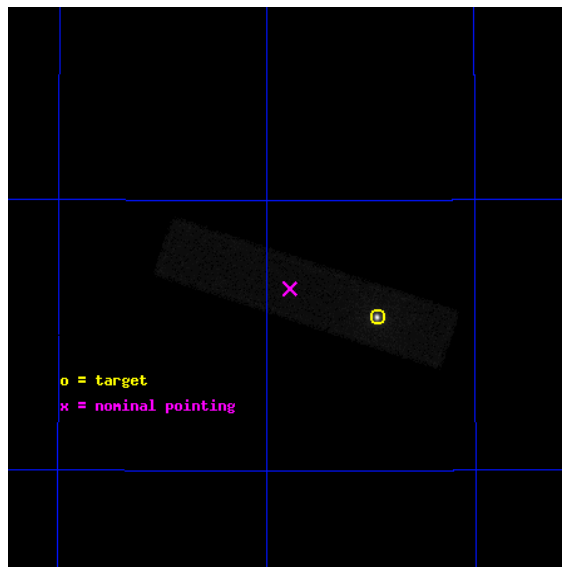
L2 Processing Date : Aug 10 2012

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1 Front

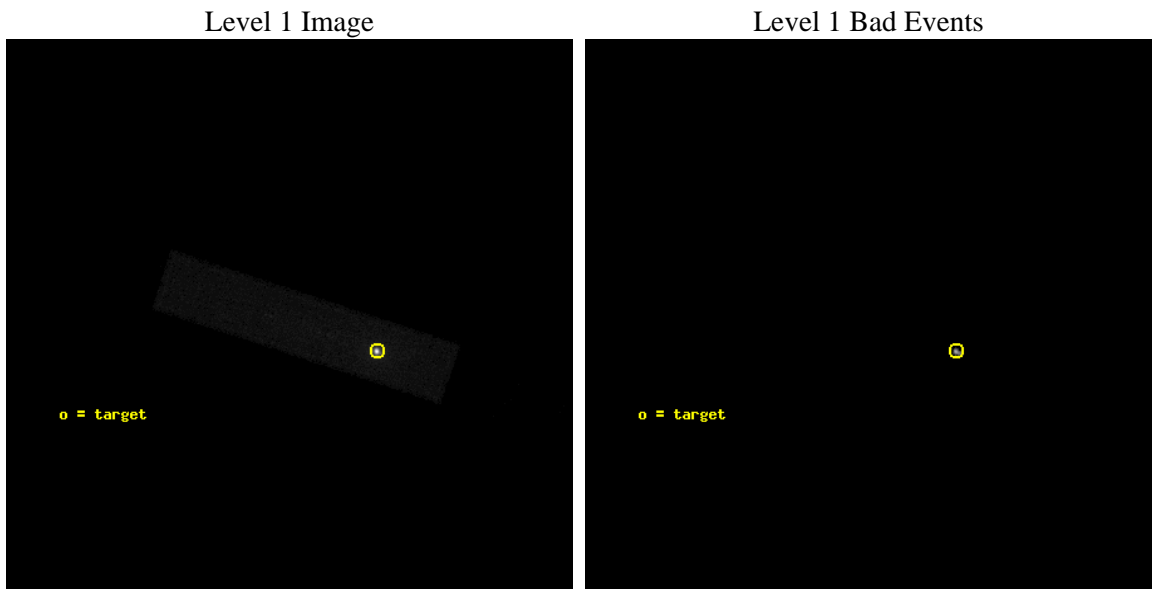
seq_num	290544	Sequence number
obs_id	6451	Observation id
title	AO7 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.44421206103	Nominal RA [deg]
dec_nom	38.836409913387	Nominal Dec [deg]
roll_nom	18.017802669006	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2159.931350112	[s]
livetime	1758.4137528227	Ontime multiplied by DTCOR
l2events	377992	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2159.931350112	[s]
caldsver	4.5.1.1	 	l1events	451877	Number of level 1 events
date	2012-08-10T23:18:33	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

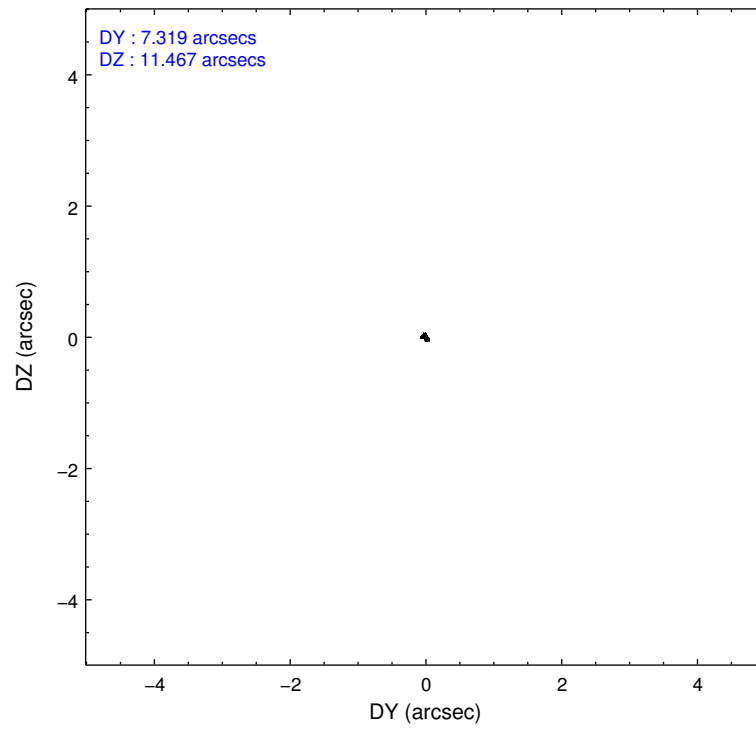
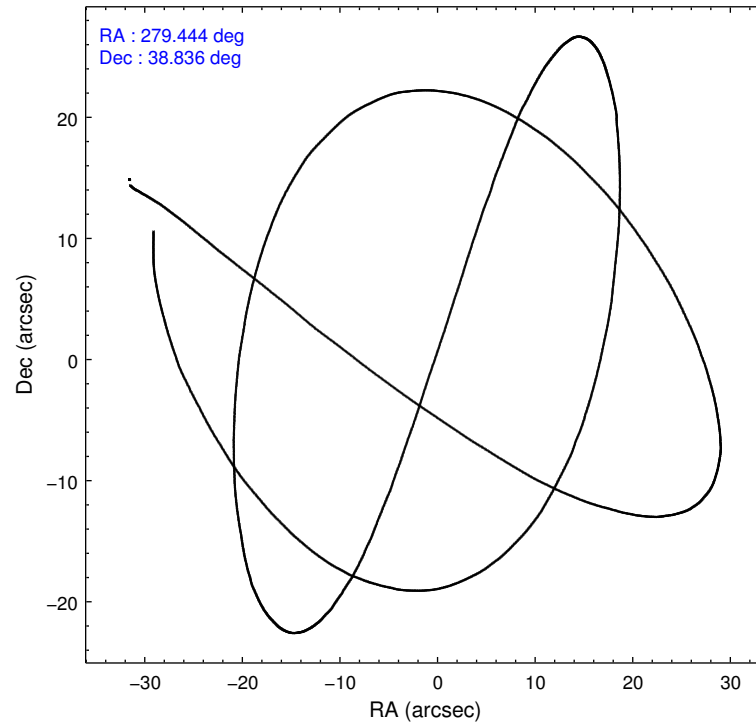
Level 1 Events

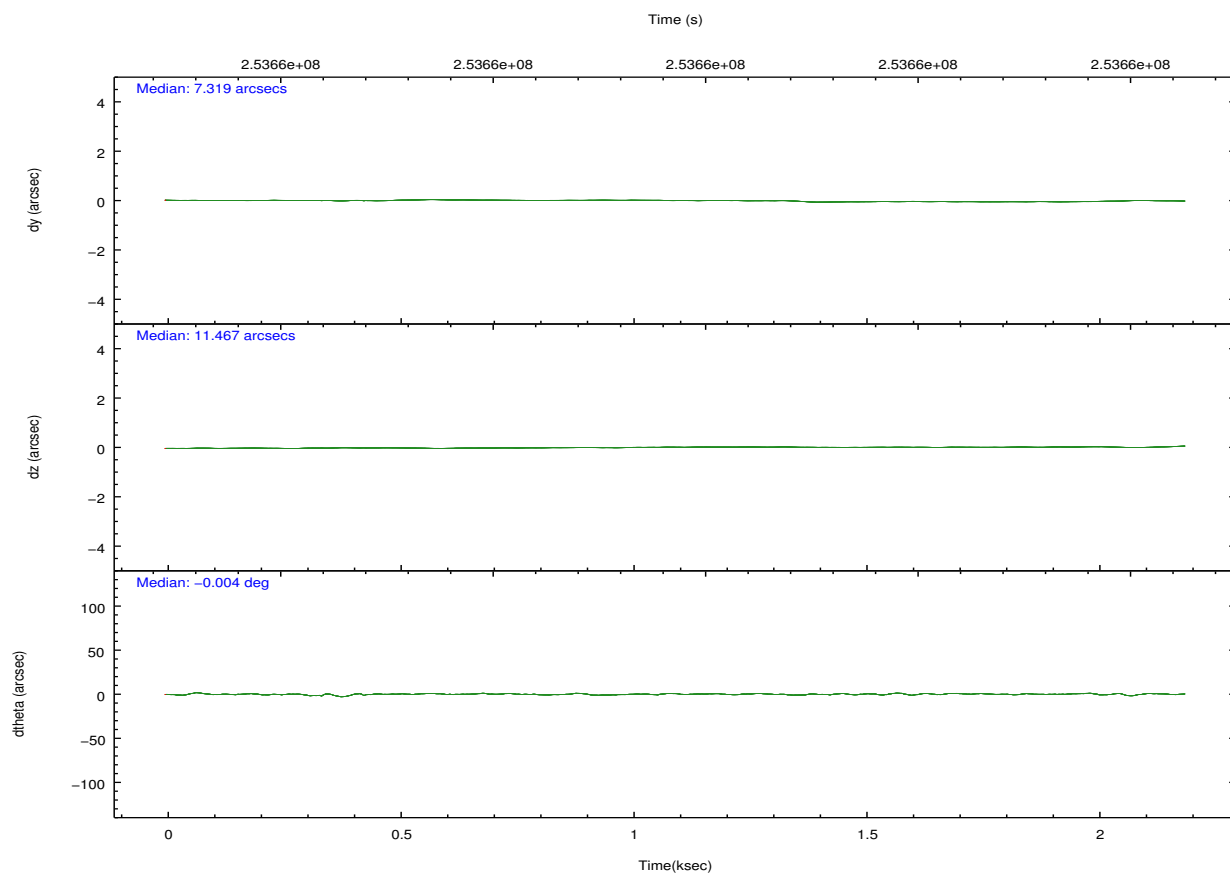
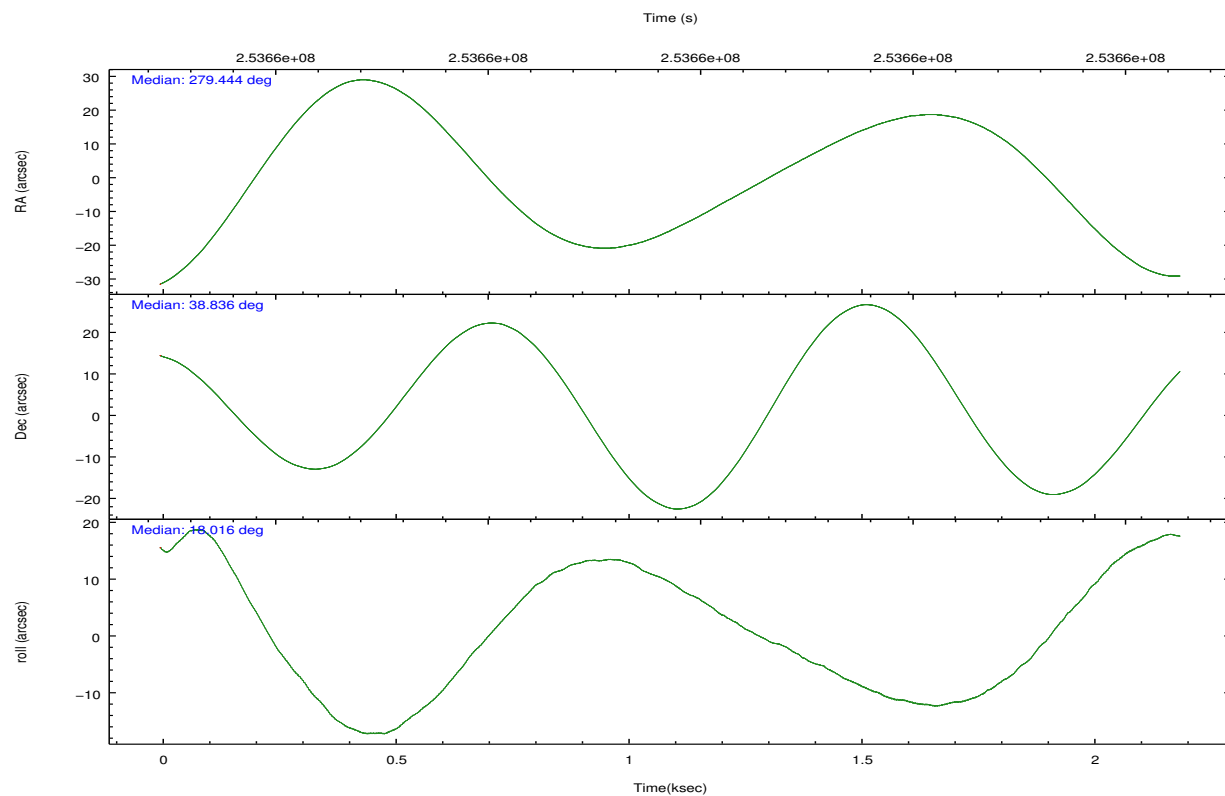
	segment 1	segment 2	segment 3
level 1 events	5274	445521	1082
rejected events	5274	47259	1082
rejected %	100%	10%	100%

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	279.420991	279.4442120610325			
[deg] Pointing Dec	38.814467	38.83640991338684			
[deg] Pointing Roll	17.965047	18.01780266900643			
[s] Window start time (MET)	247190464.184000	247190464.184000			
[s] Window stop time (MET)	255052865.184000	255052865.184000			
[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)	253662024.184000	253661647.2466			
Observation start date	2006-01-14T21:39:19	2006-01-14T21:34:07			
[s] Observation end time (MET)	253664024.184000	253664157.47171			
Observation end date	2006-01-14T22:12:39	2006-01-14T22:15:57			

2.3 Aspect



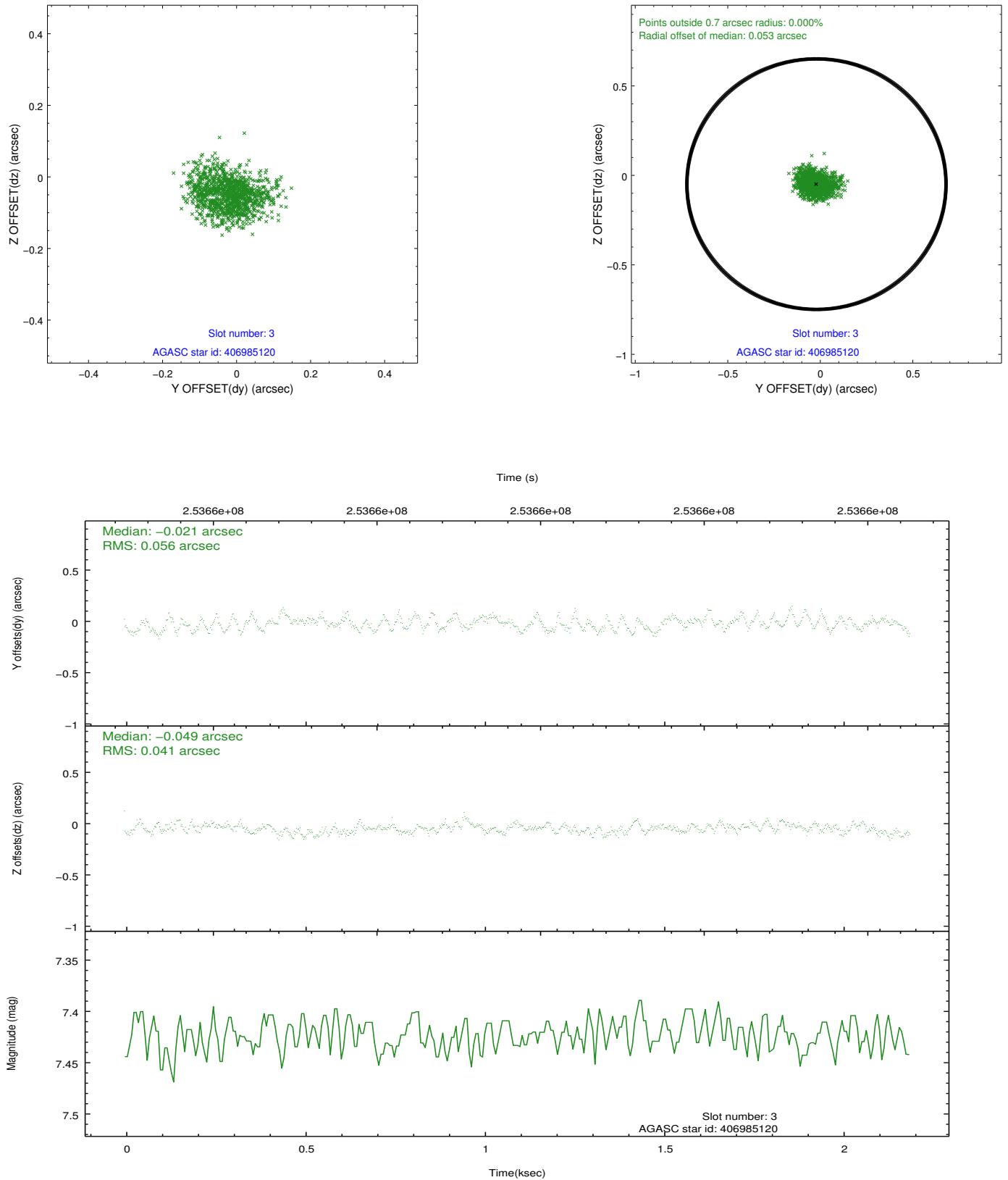


Slot Statistics

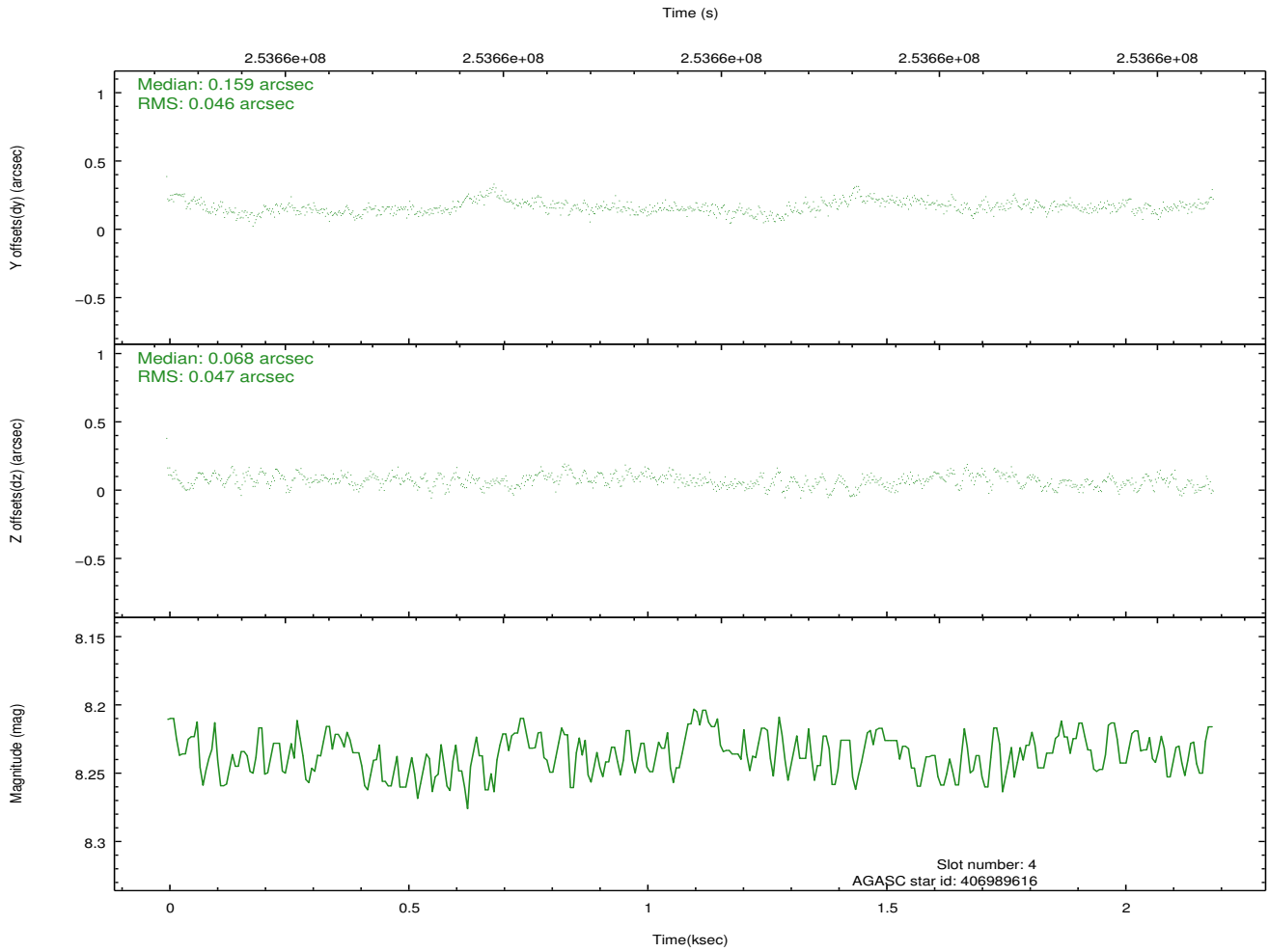
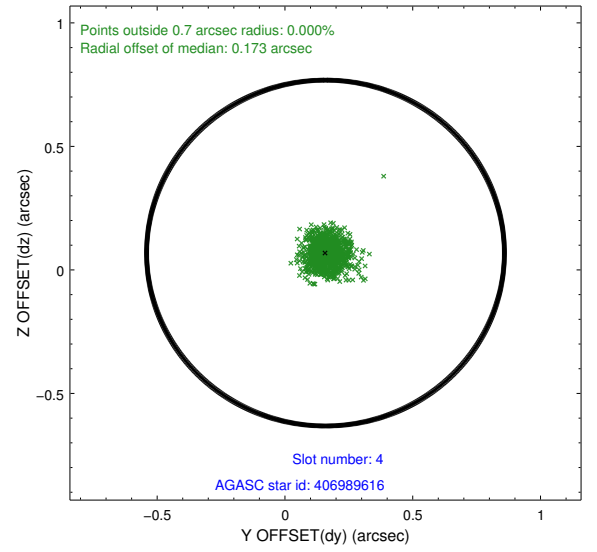
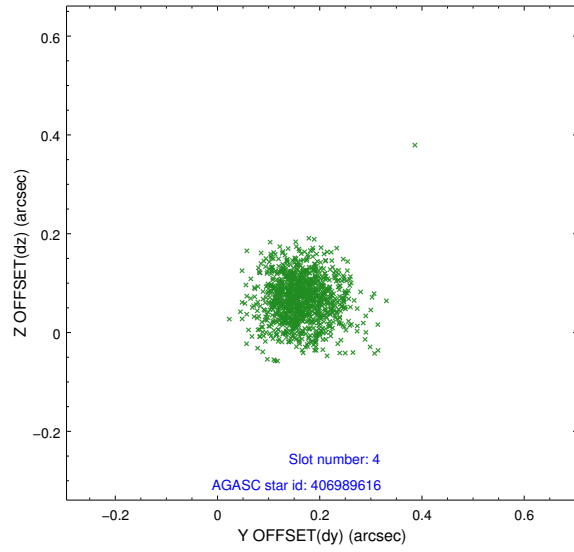
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	535	0.110	-0.136	0.007	0.014	0.000000	0.000000	-1161.46	-460.16
1	FID	HRC-S-2	7.01	535	0.186	-0.116	0.005	0.010	0.000000	0.000000	1236.10	-453.64
2	FID	HRC-S-3	7.02	535	0.093	-0.050	0.007	0.012	0.000000	0.000000	-1161.89	568.60
3	GUIDE	406985120	7.42	1069	-0.021	-0.049	0.076	0.117	278.839732	38.894839	-1458.17	783.34
4	GUIDE	406989616	8.24	1069	0.159	0.068	0.068	0.111	279.202881	38.520843	-911.11	-813.62
5	GUIDE	406993992	7.62	1069	-0.019	0.080	0.065	0.107	279.053714	38.034587	-1856.38	-2347.54
6	GUIDE	407521232	8.64	1068	0.063	-0.037	0.082	0.128	279.628883	39.431715	1234.03	1934.86
7	GUIDE	407513096	8.14	1068	-0.184	-0.055	0.060	0.096	279.928965	39.436841	2036.99	1702.27

2.4 Star Slots

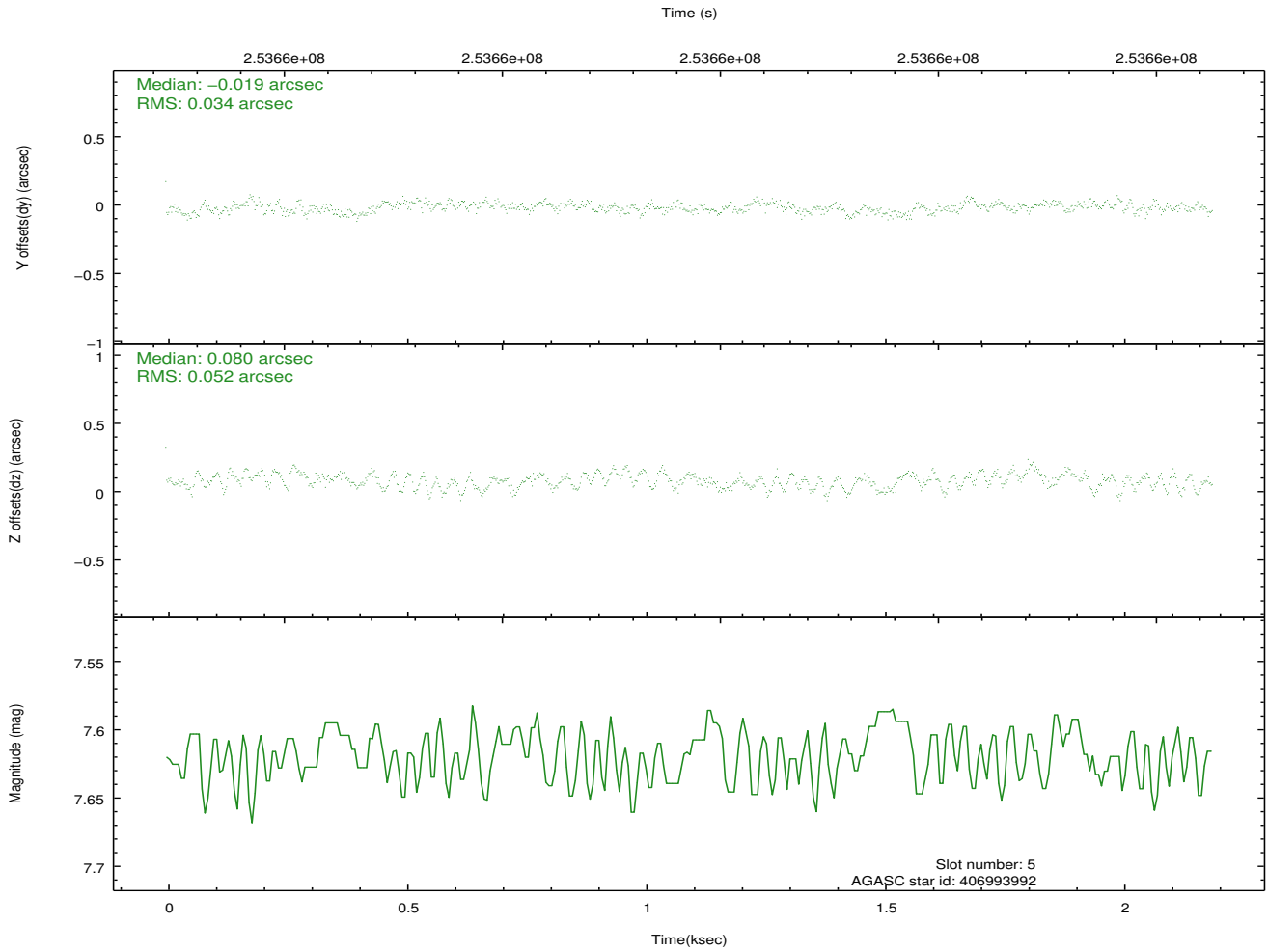
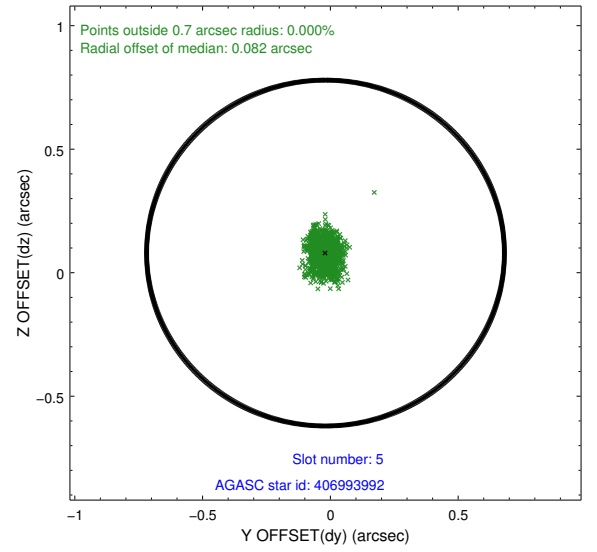
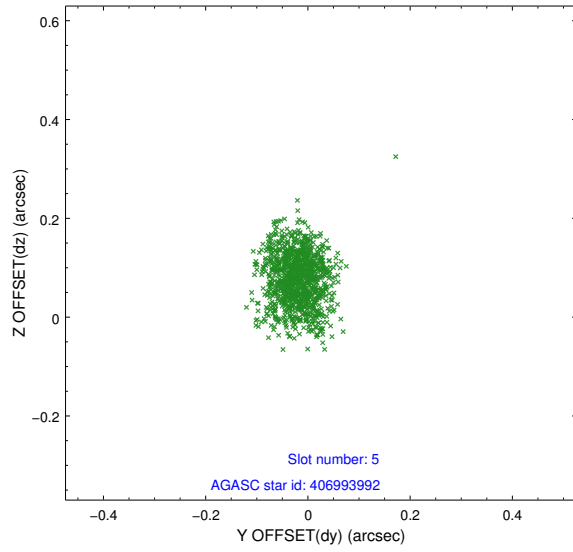
2.4.1 Slot 3



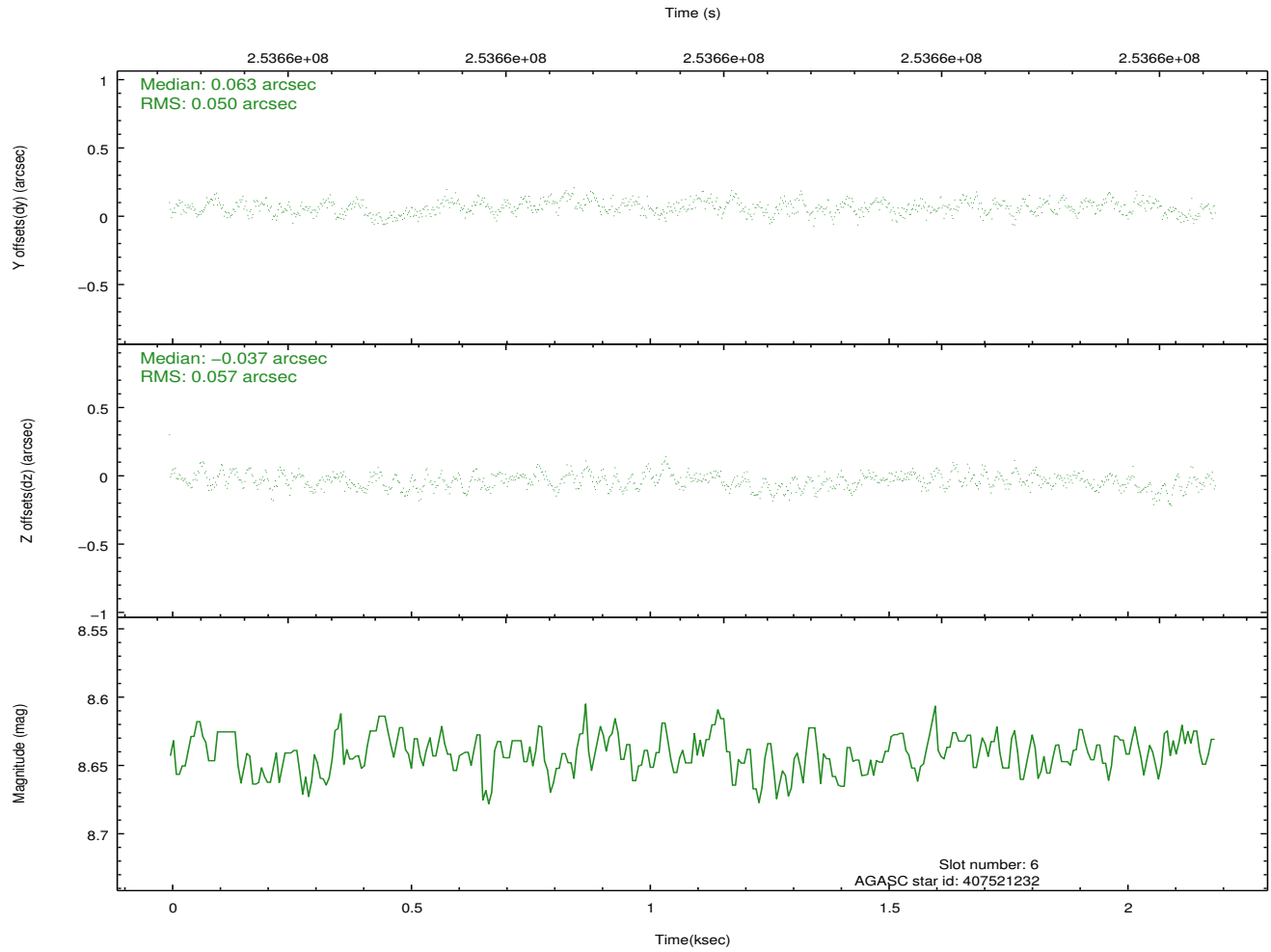
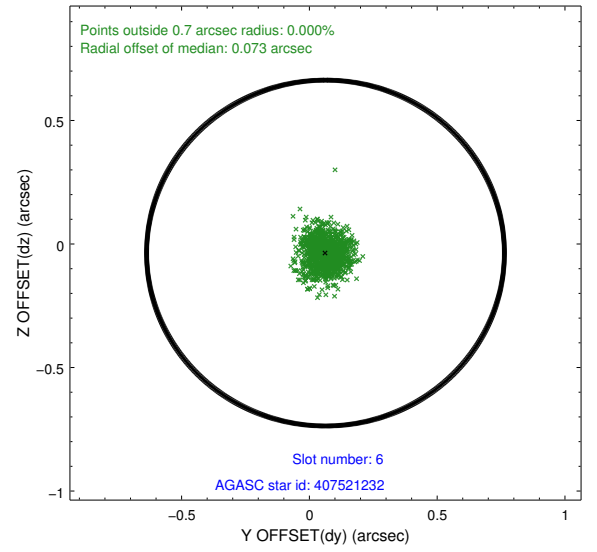
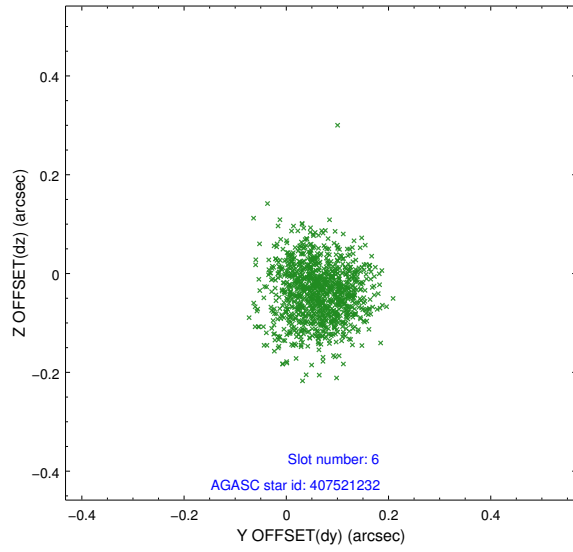
2.4.2 Slot 4



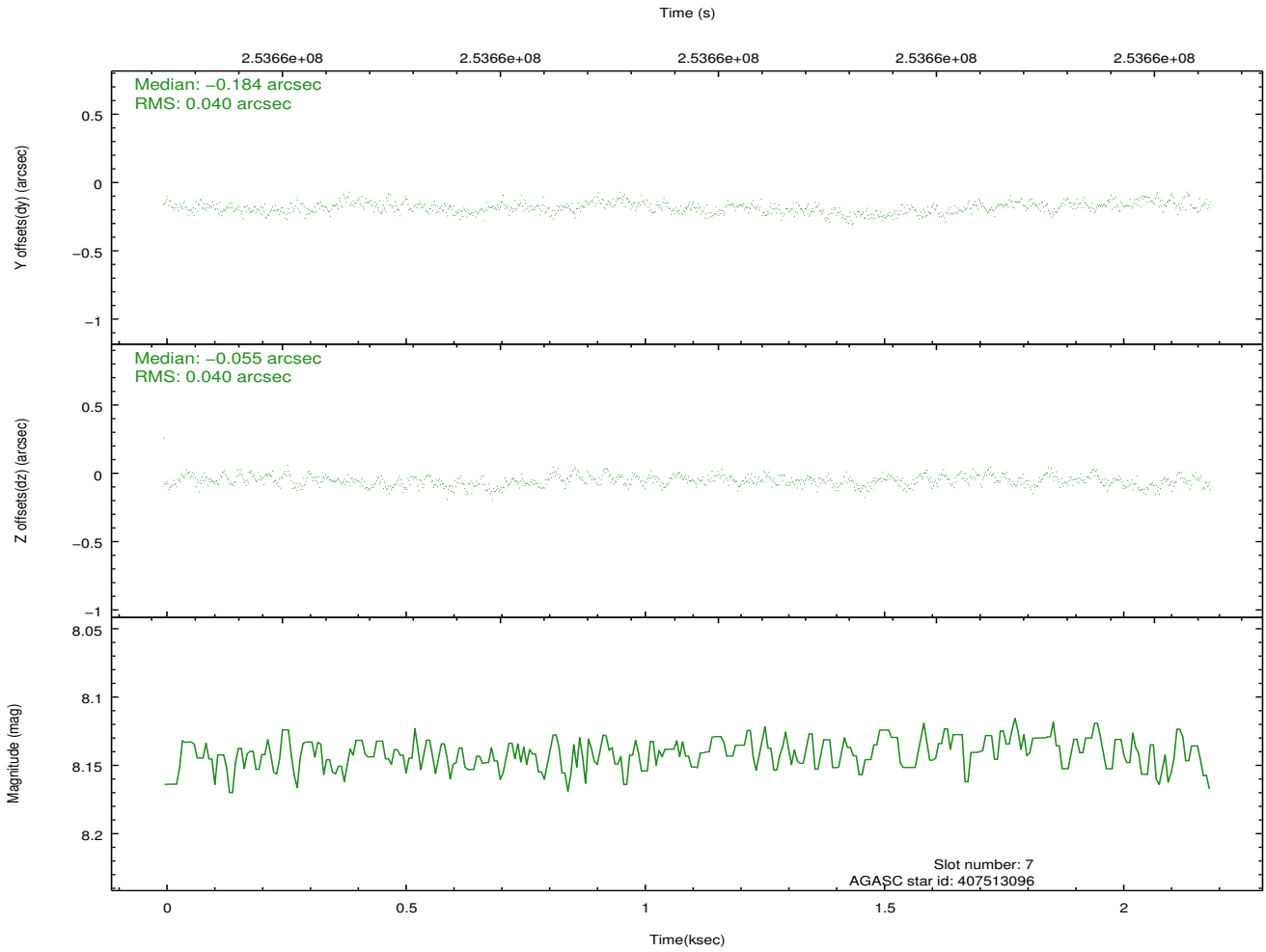
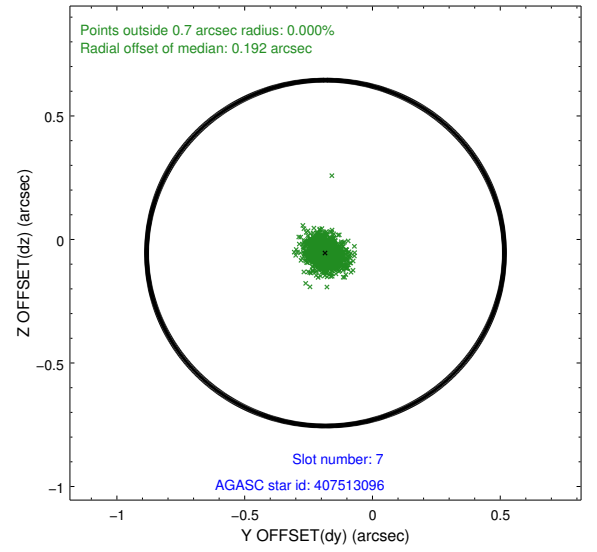
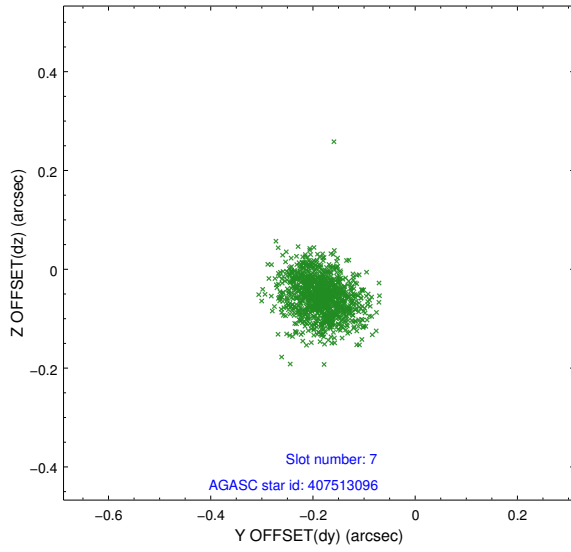
2.4.3 Slot 5



2.4.4 Slot 6

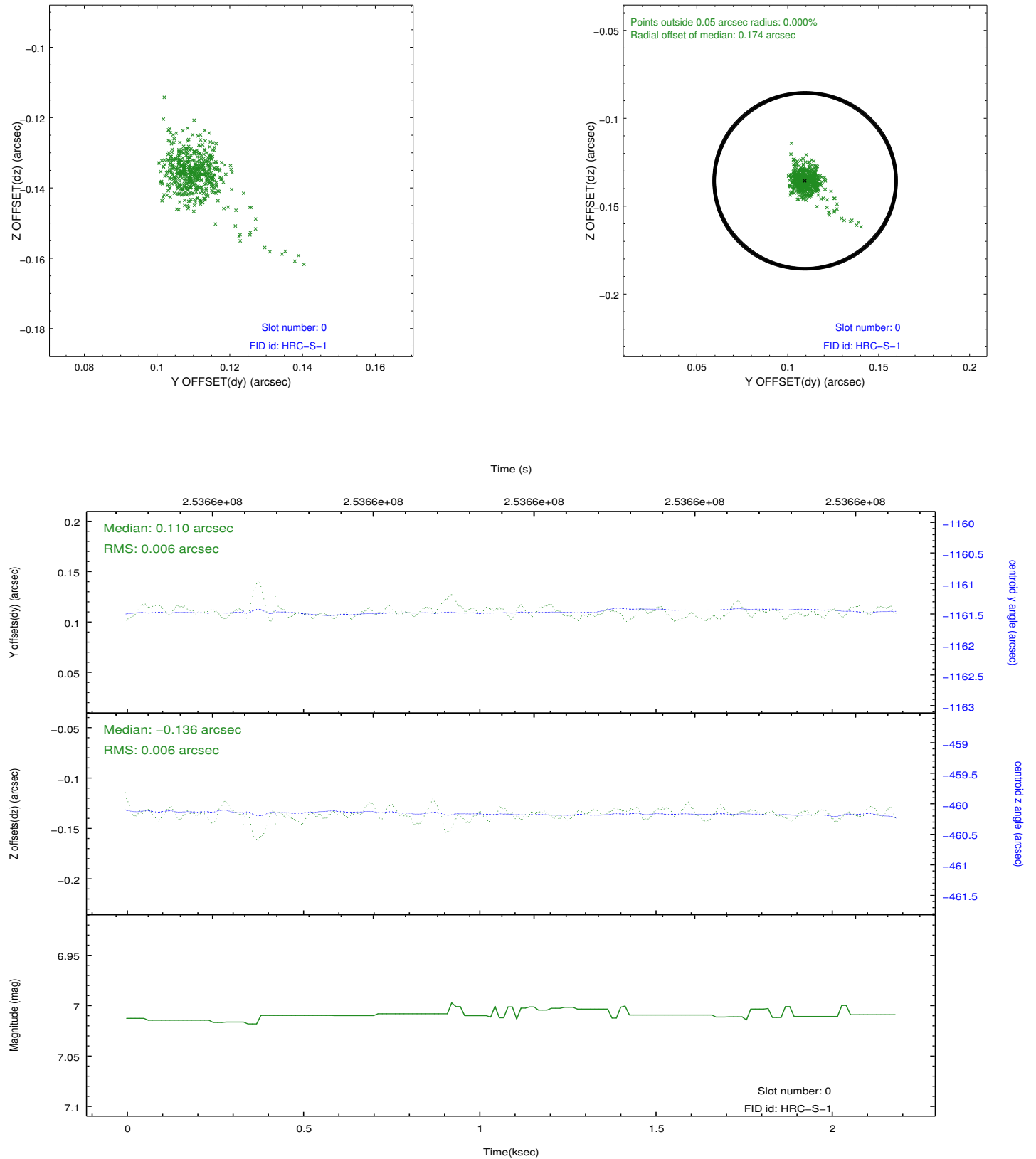


2.4.5 Slot 7

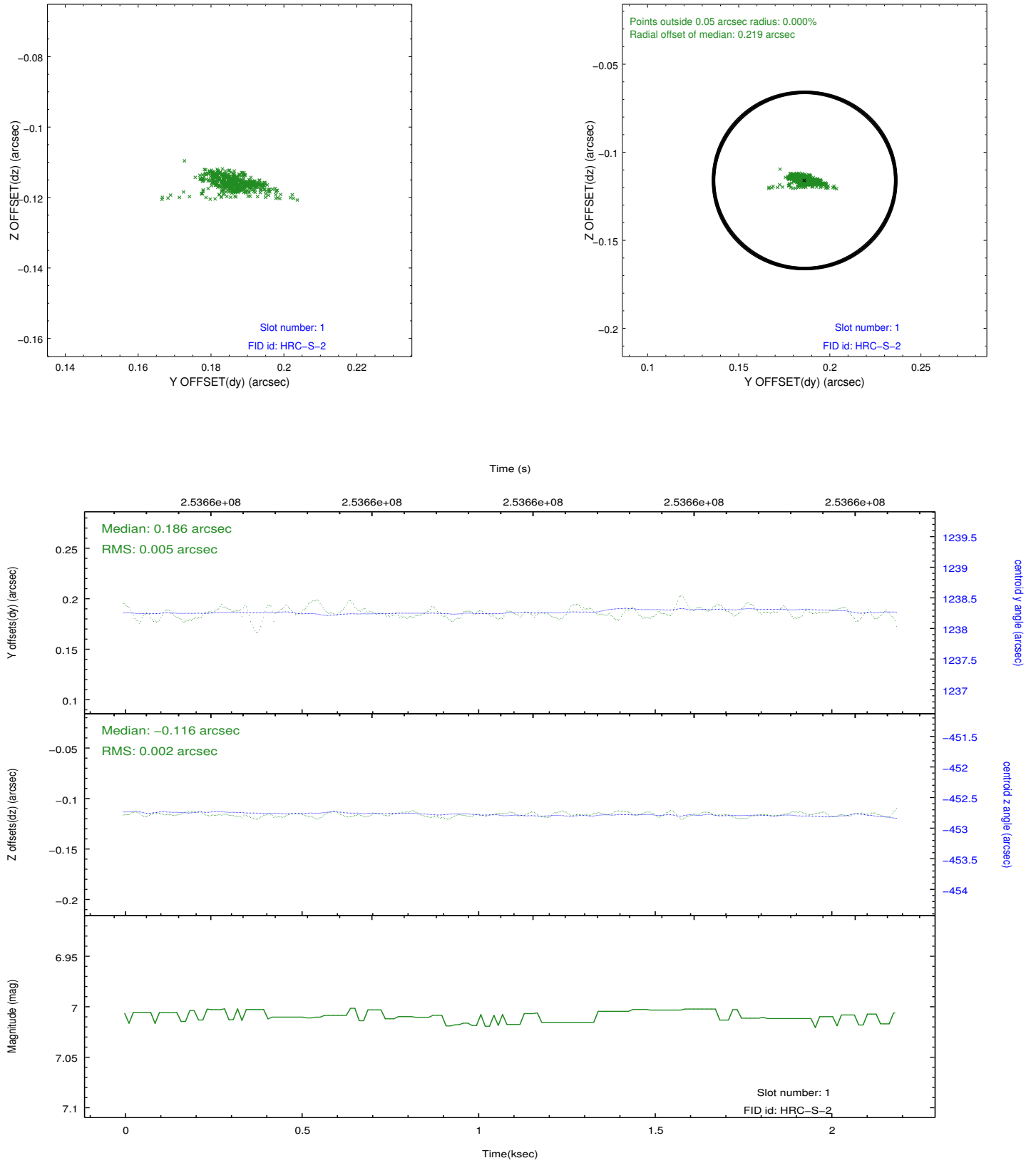


2.5 FID Slots

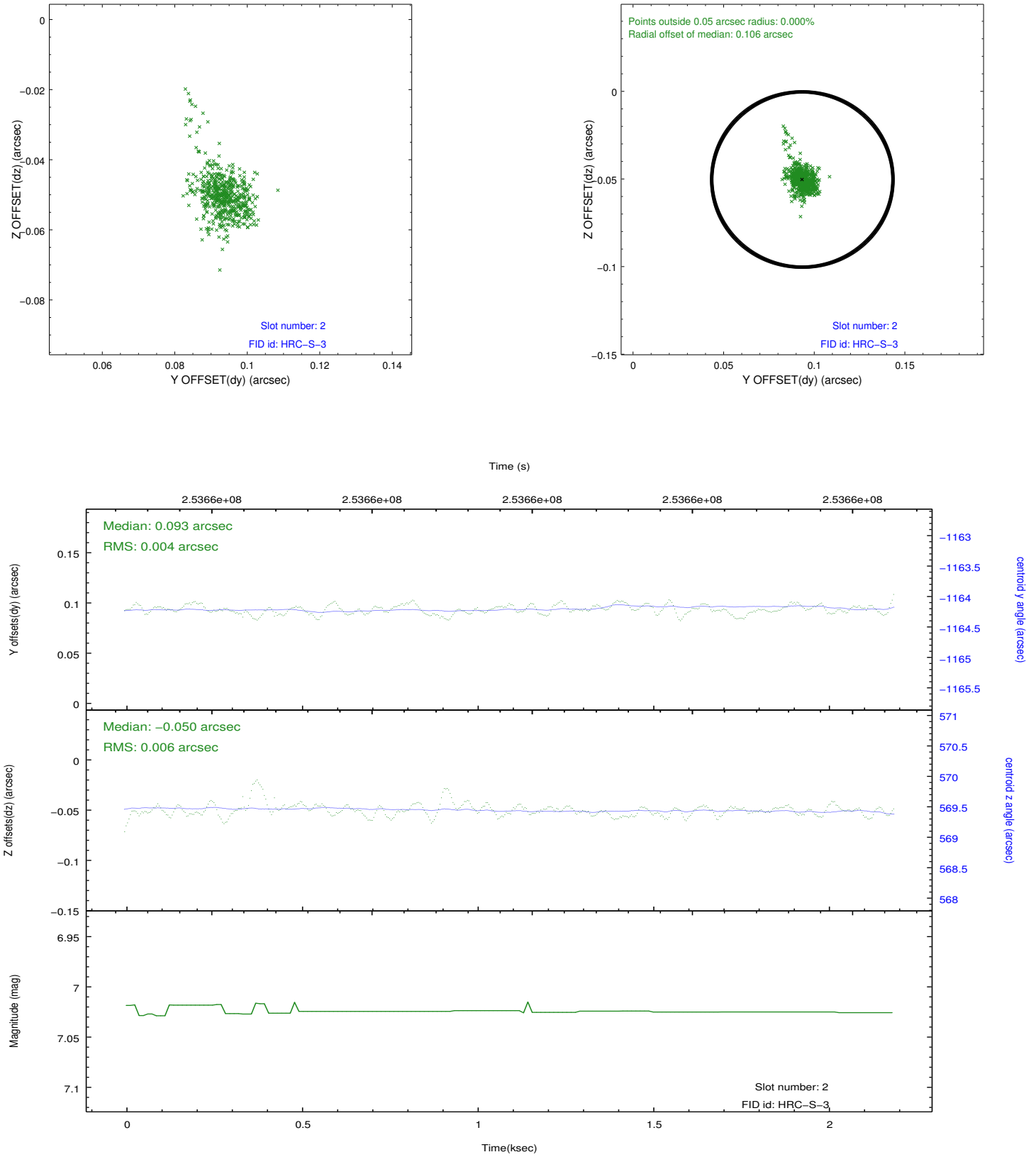
2.5.1 Slot 0



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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15993135

A.2 Comments

Window constraint met.