

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18387 - L2 Version 1
Chandra X-Ray Center

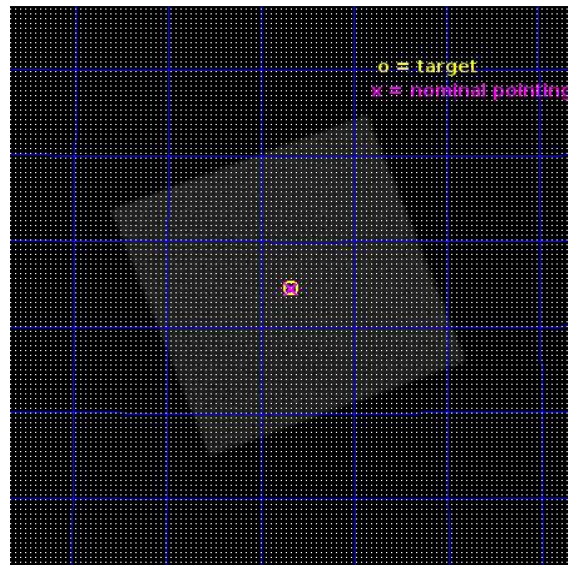
L2 Processing Date : Sep 20 2016

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1 Front

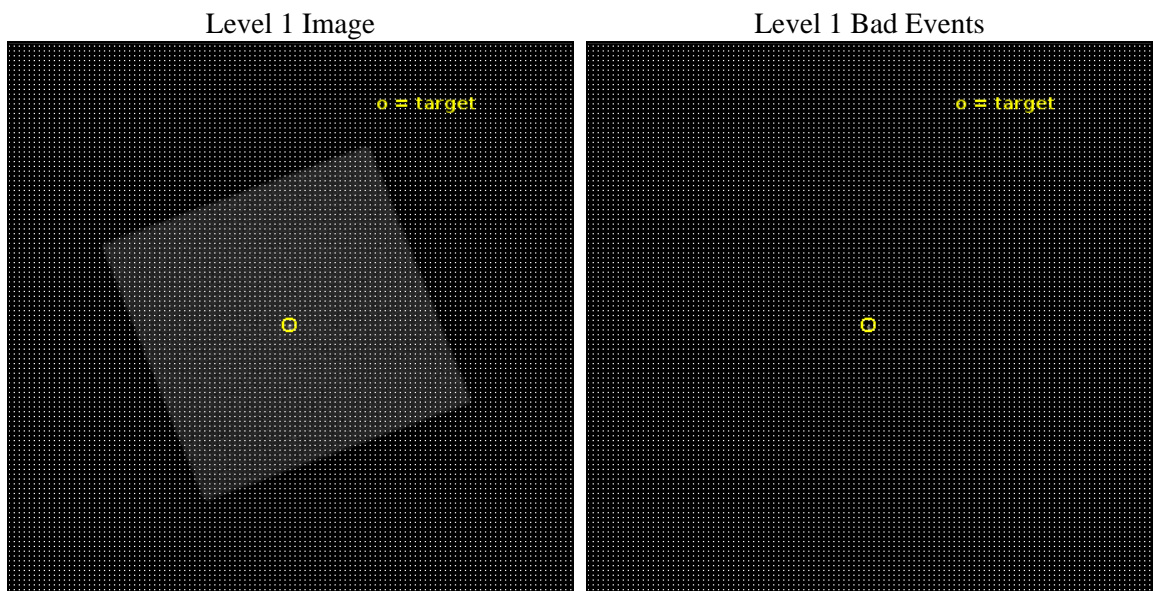
seq_num	291282	Sequence number
obs_id	18387	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16690009589	Nominal RA [deg]
dec_nom	45.741971637953	Nominal Dec [deg]
roll_nom	203.90683259546	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5171.3815475702	[s]
livetime	5111.4881714084	Ontime multiplied by DTCOR
l2events	508391	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	5171.3815475702	[s]
caldsver	4.7.2	 	l1events	862102	Number of level 1 events
date	2016-09-21T02:05:32	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

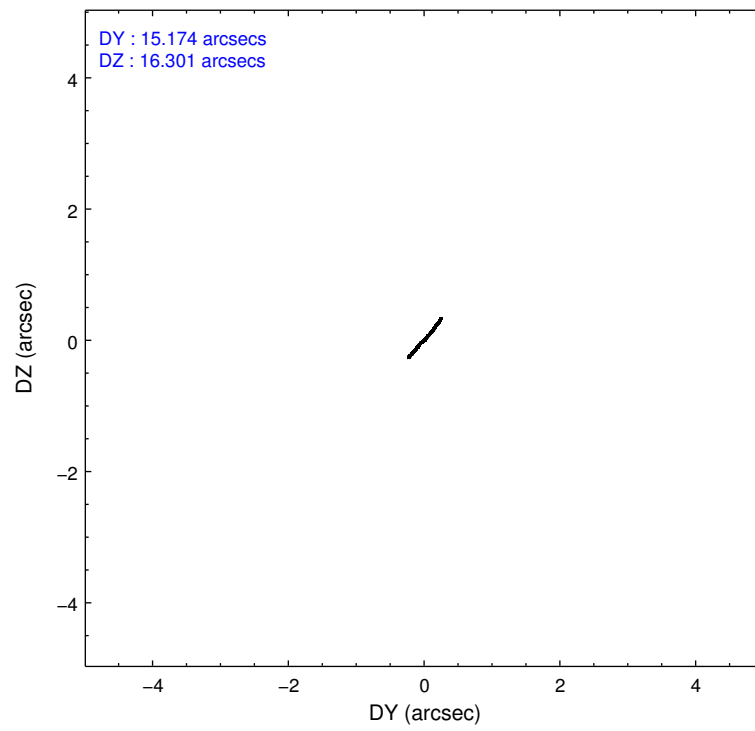
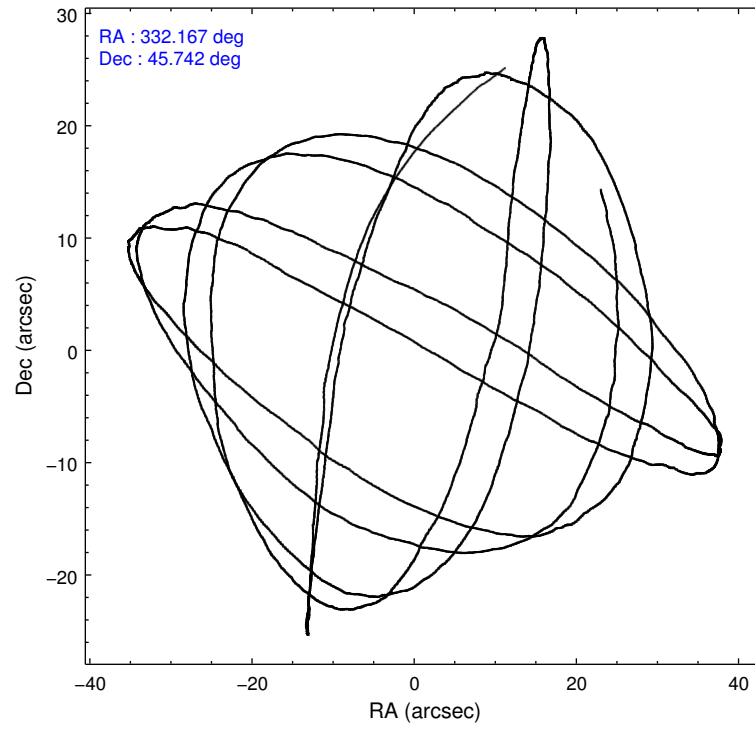
Level 1 Events

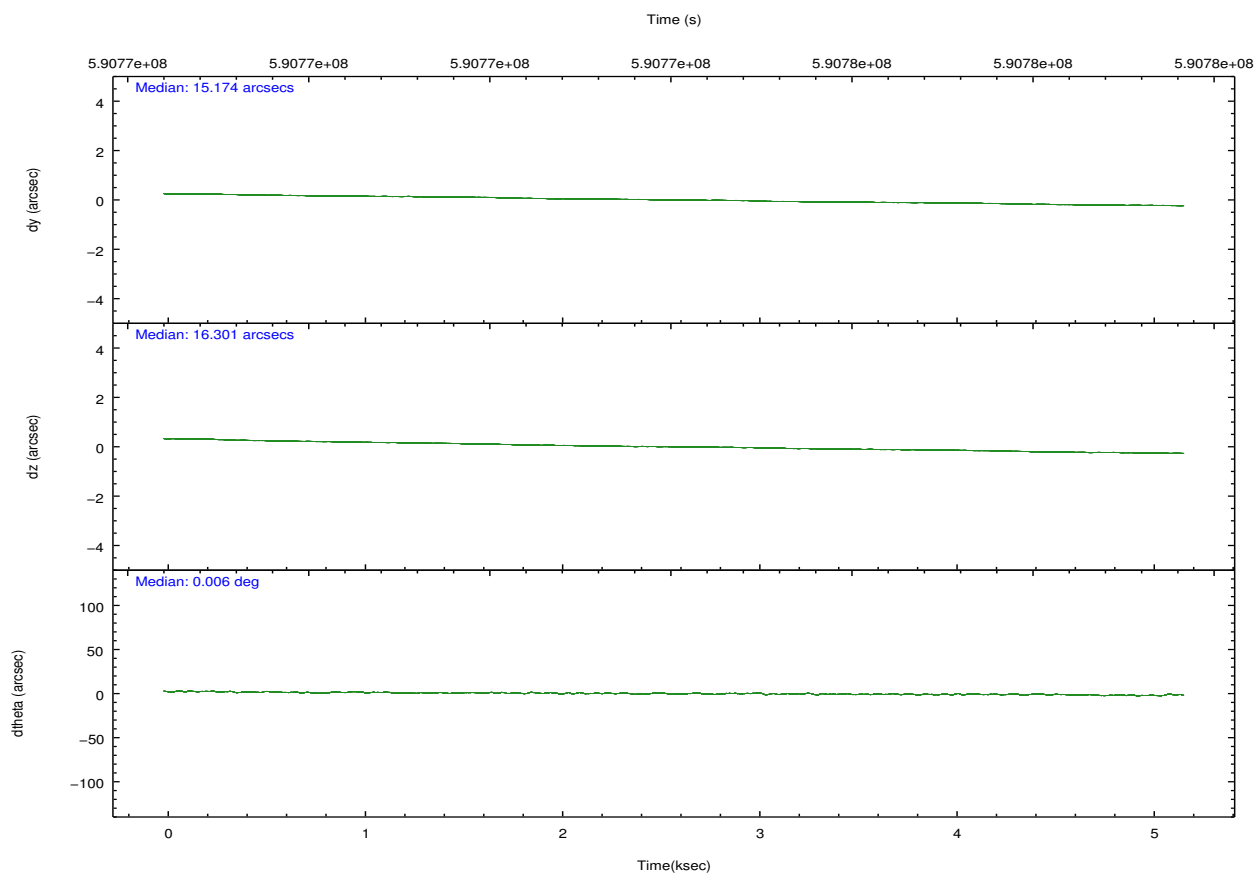
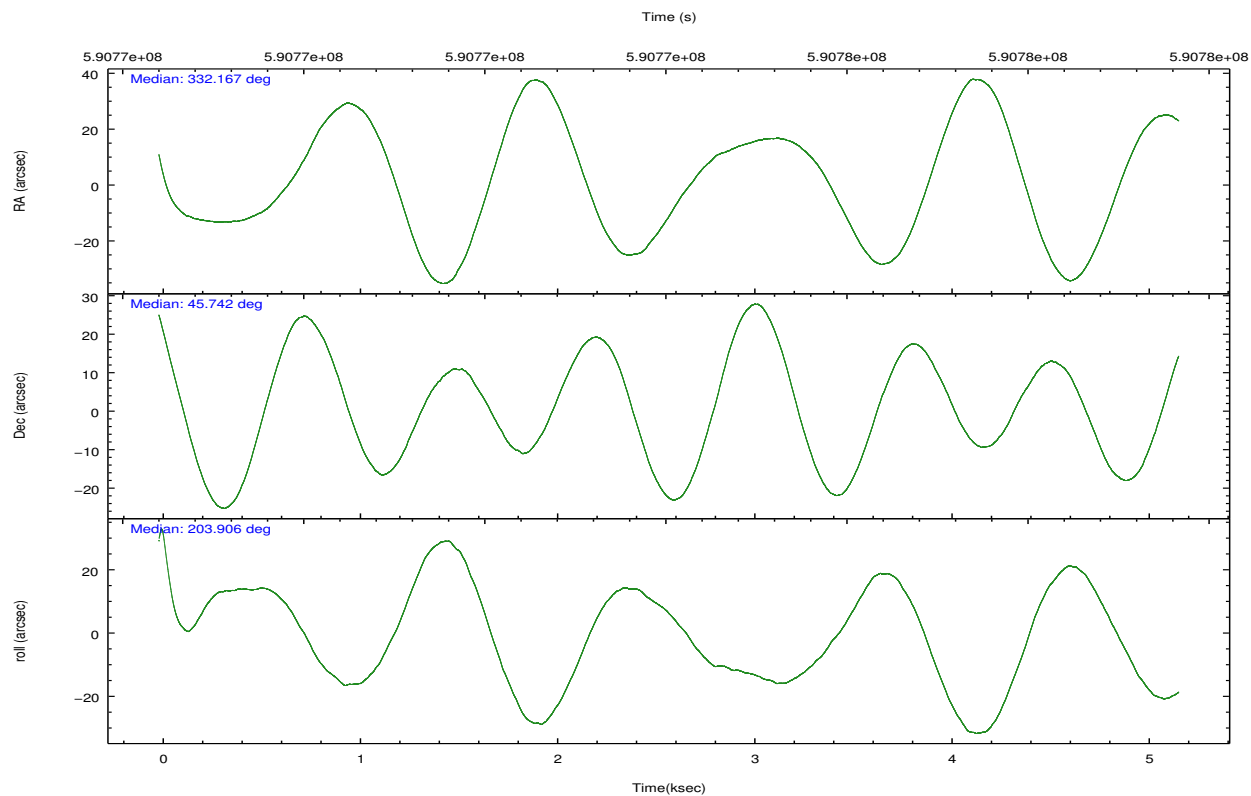
	segment 0
level 1 events	862102
rejected events	194619
rejected %	22%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.189397	332.1669000958869			
[deg] Pointing Dec	45.764644	45.74197163795262			
[deg] Pointing Roll	203.986107	203.9068325954628			
[s] Window start time (MET)	589593668.184000	589593668.184000			
[s] Window stop time (MET)	590803268.184000	590803268.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	590771606.184000	590770184.71538			
Observation start date	2016-09-20T15:12:18	2016-09-20T14:49:44			
[s] Observation end time (MET)	590776606.184000	590776930.75327			
Observation end date	2016-09-20T16:35:38	2016-09-20T16:42:10			

2.3 Aspect



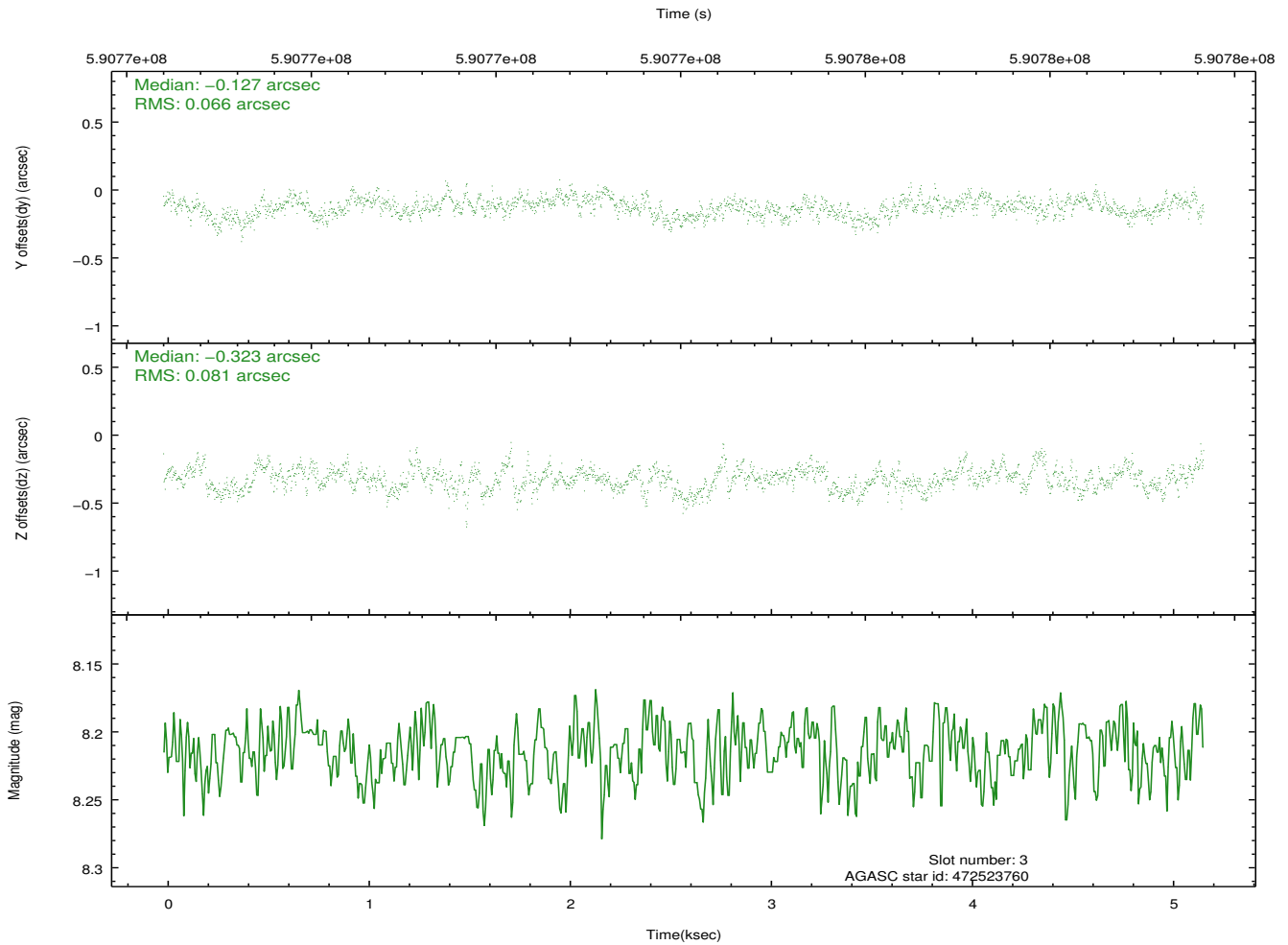
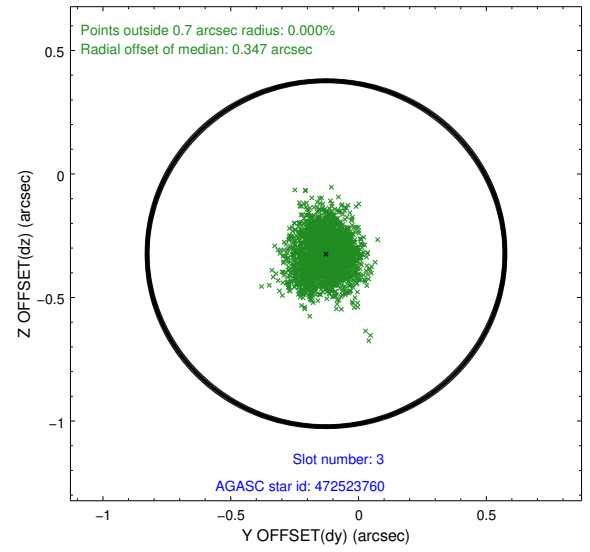
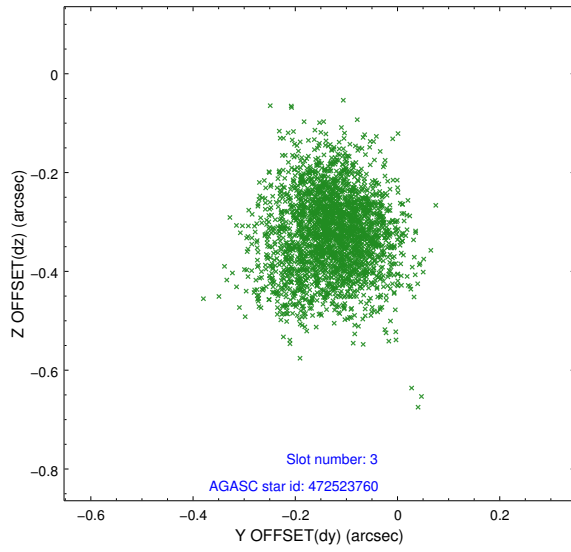


Slot Statistics

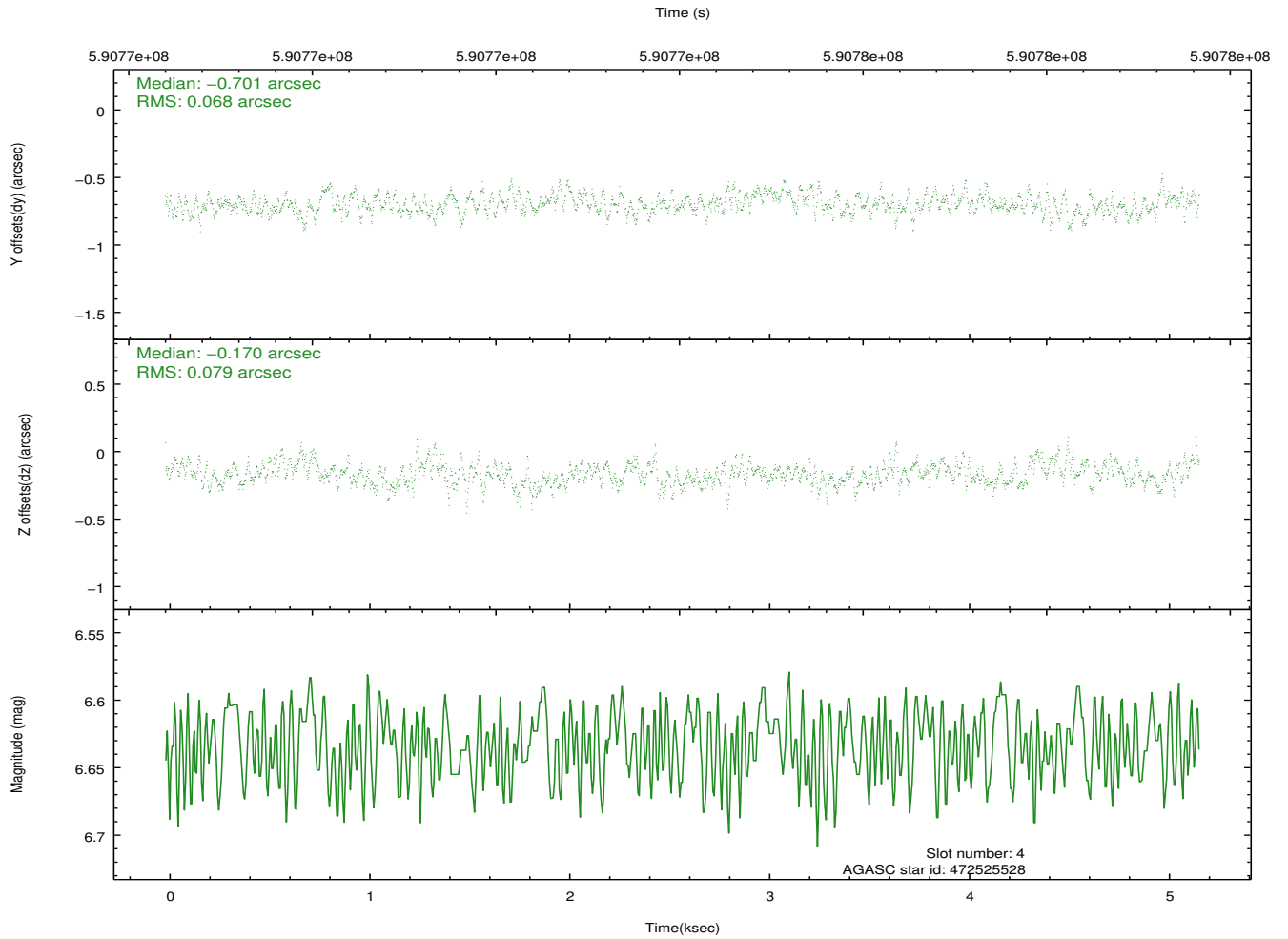
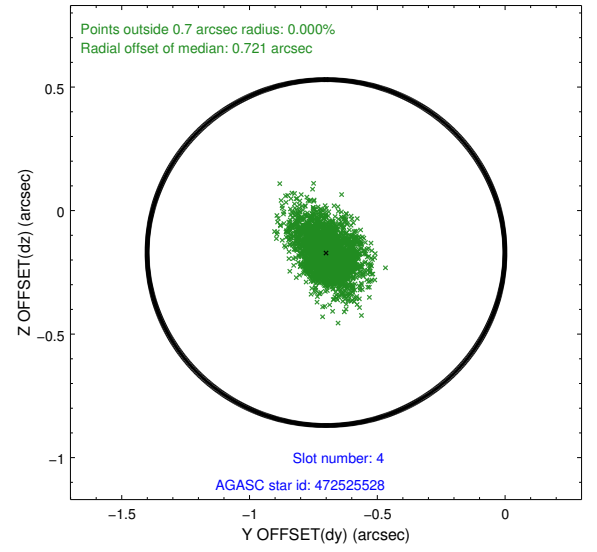
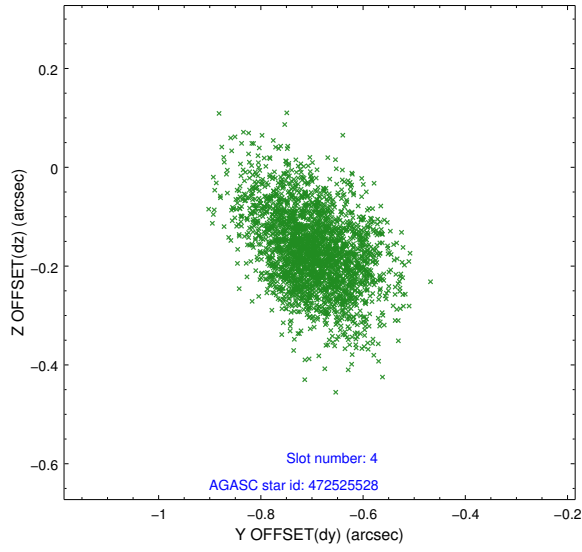
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.05	1262	0.118	-0.169	0.008	0.012	0.000000	0.000000	841.82	-1306.13
1	FID		HRC-I-3	7.12	1262	-0.279	0.068	0.007	0.011	0.000000	0.000000	-1199.11	999.13
2	FID		HRC-I-4	7.04	1262	0.280	0.014	0.006	0.009	0.000000	0.000000	1271.11	998.59
3	GUIDE	used	472523760	8.21	2524	-0.127	-0.323	0.110	0.180	331.645363	45.403260	1782.93	624.79
4	GUIDE	used	472525528	6.63	2523	-0.701	-0.170	0.108	0.185	331.551102	45.248694	2230.06	1033.33
5	GUIDE	used	472663080	9.37	2522	0.454	0.224	0.181	0.324	332.652741	46.473840	-2087.93	-1868.49
6	GUIDE	used	472665256	8.98	2521	0.357	0.126	0.122	0.203	332.808125	46.195041	-2041.88	-795.32
7	GUIDE	used	472659832	9.41	2523	0.023	0.146	0.194	0.302	332.780399	46.098139	-1839.44	-502.70

2.4 Star Slots

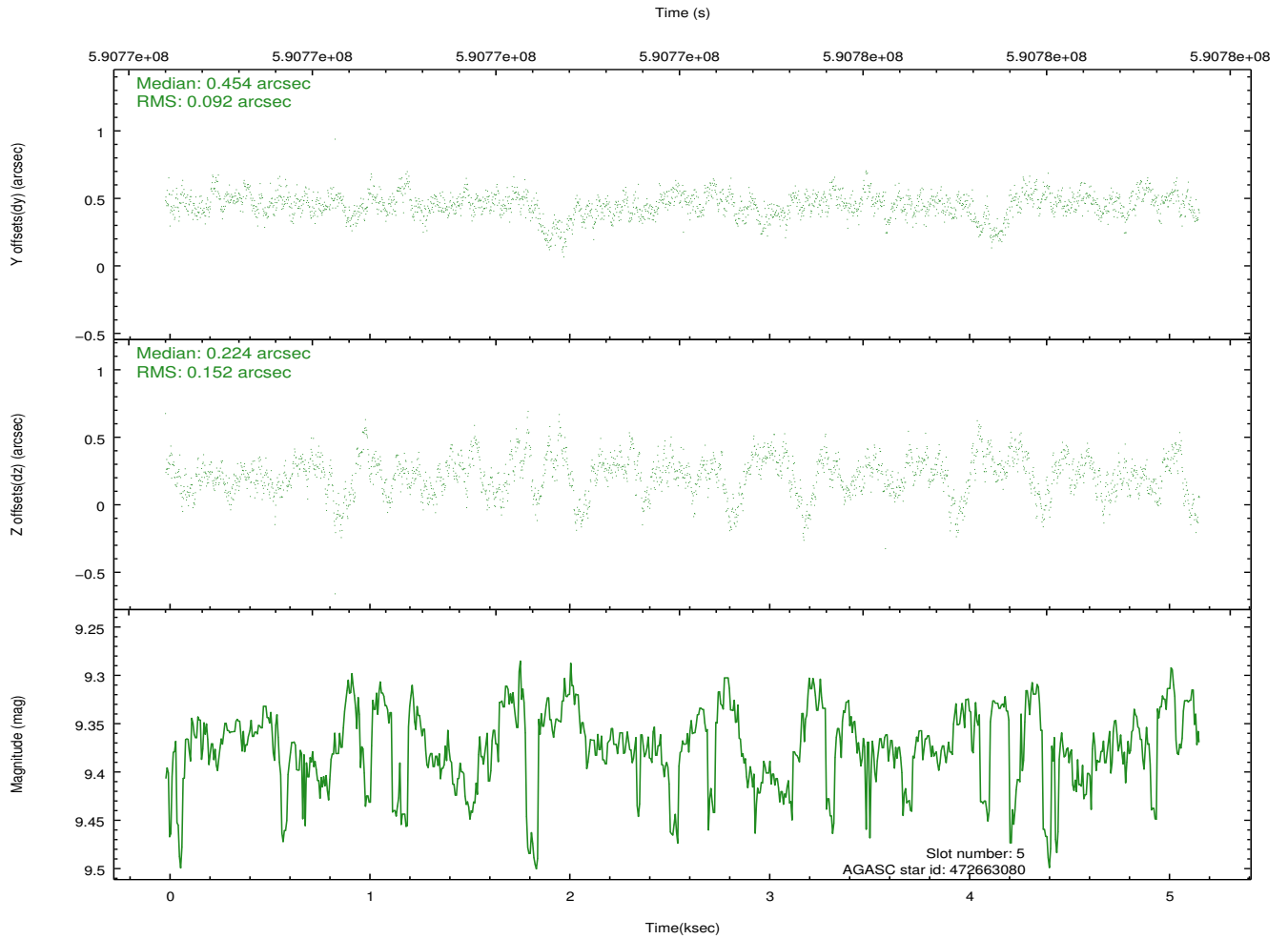
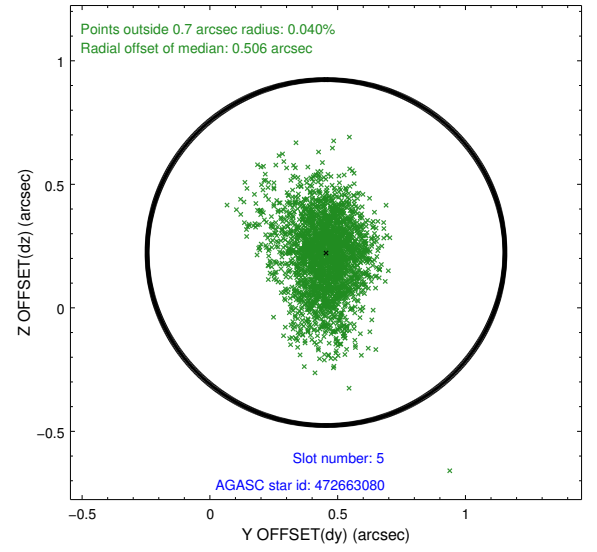
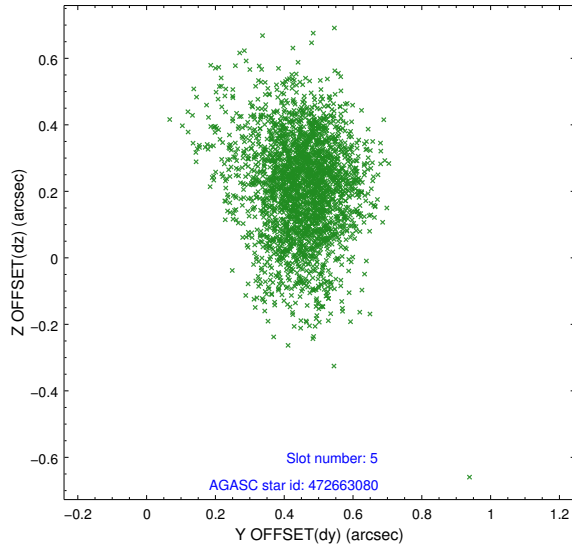
2.4.1 Slot 3



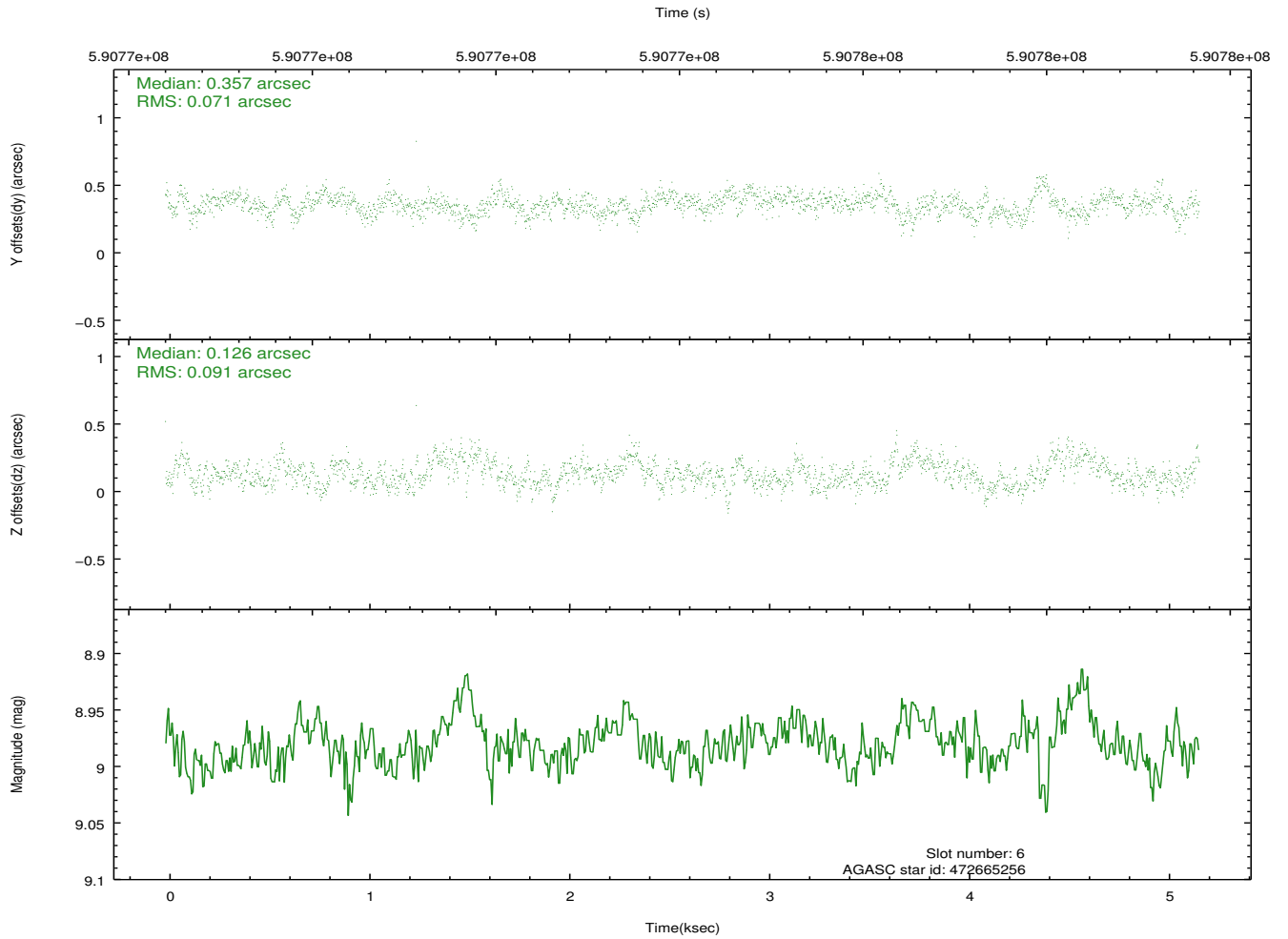
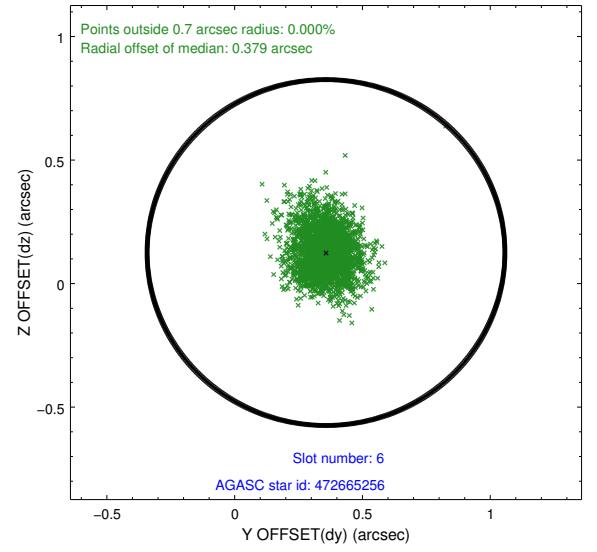
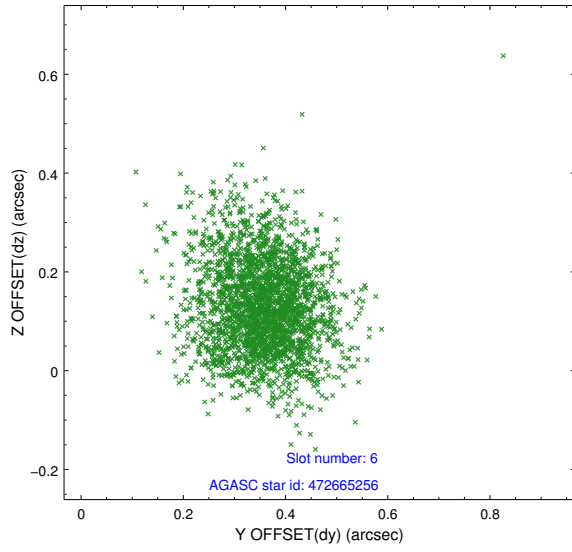
2.4.2 Slot 4



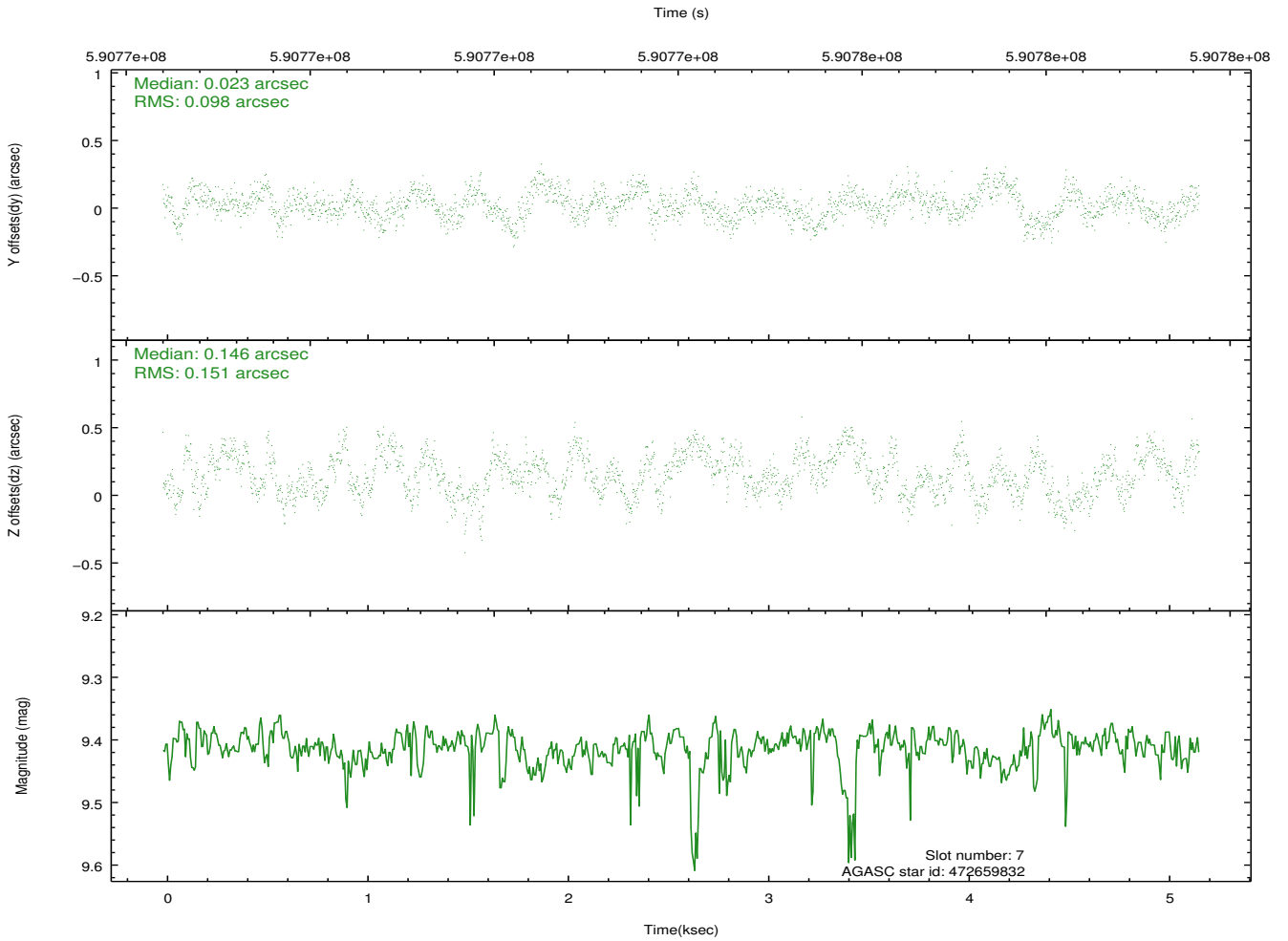
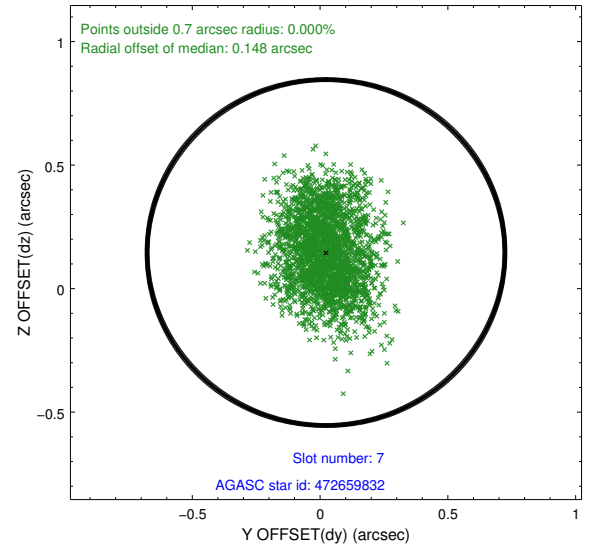
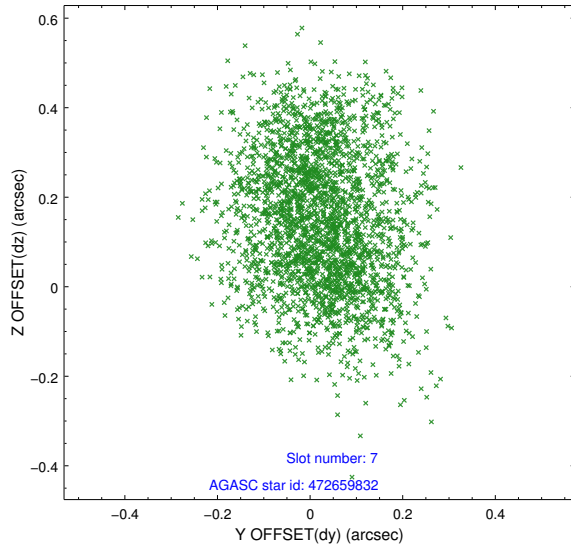
2.4.3 Slot 5



2.4.4 Slot 6

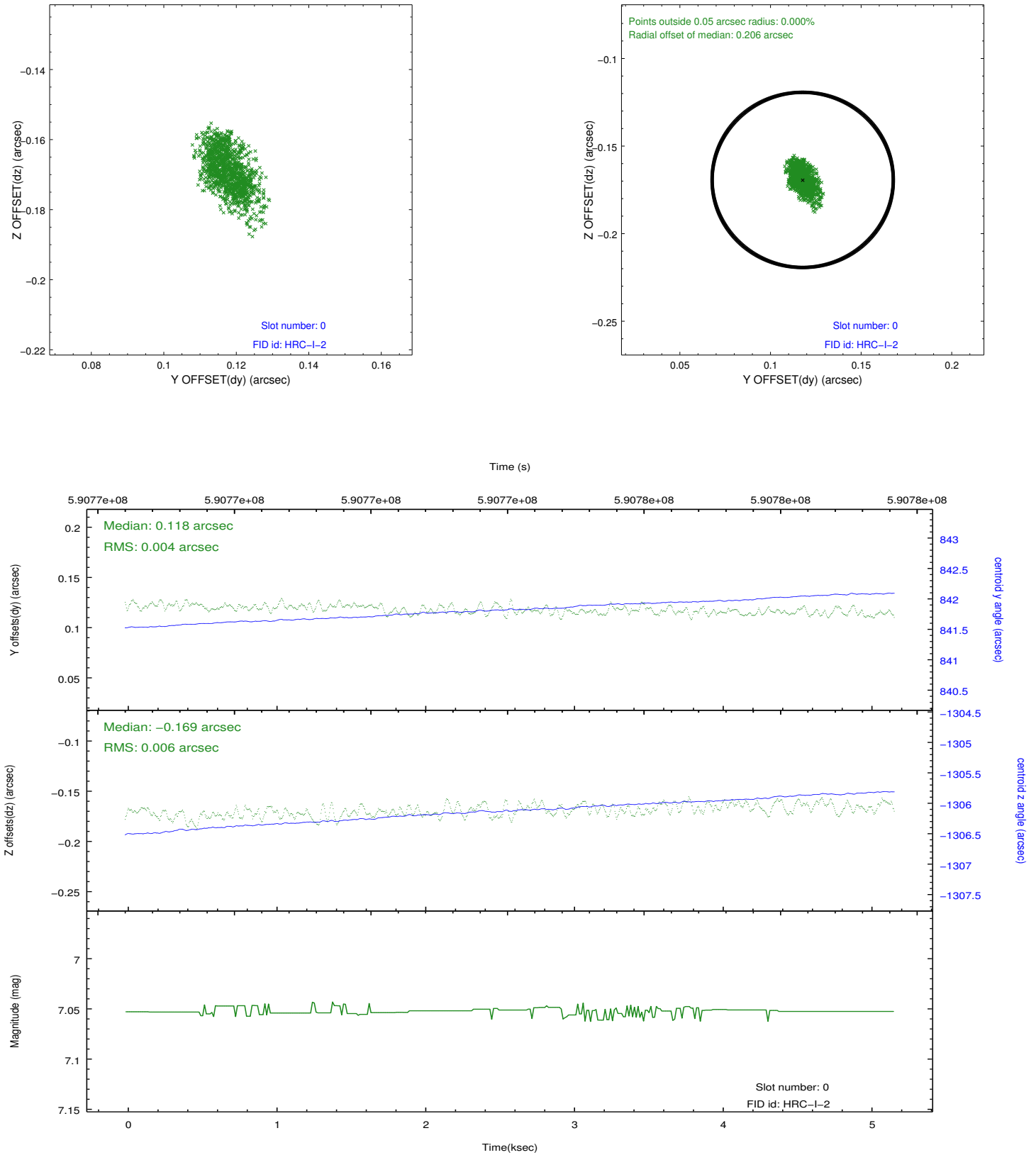


2.4.5 Slot 7

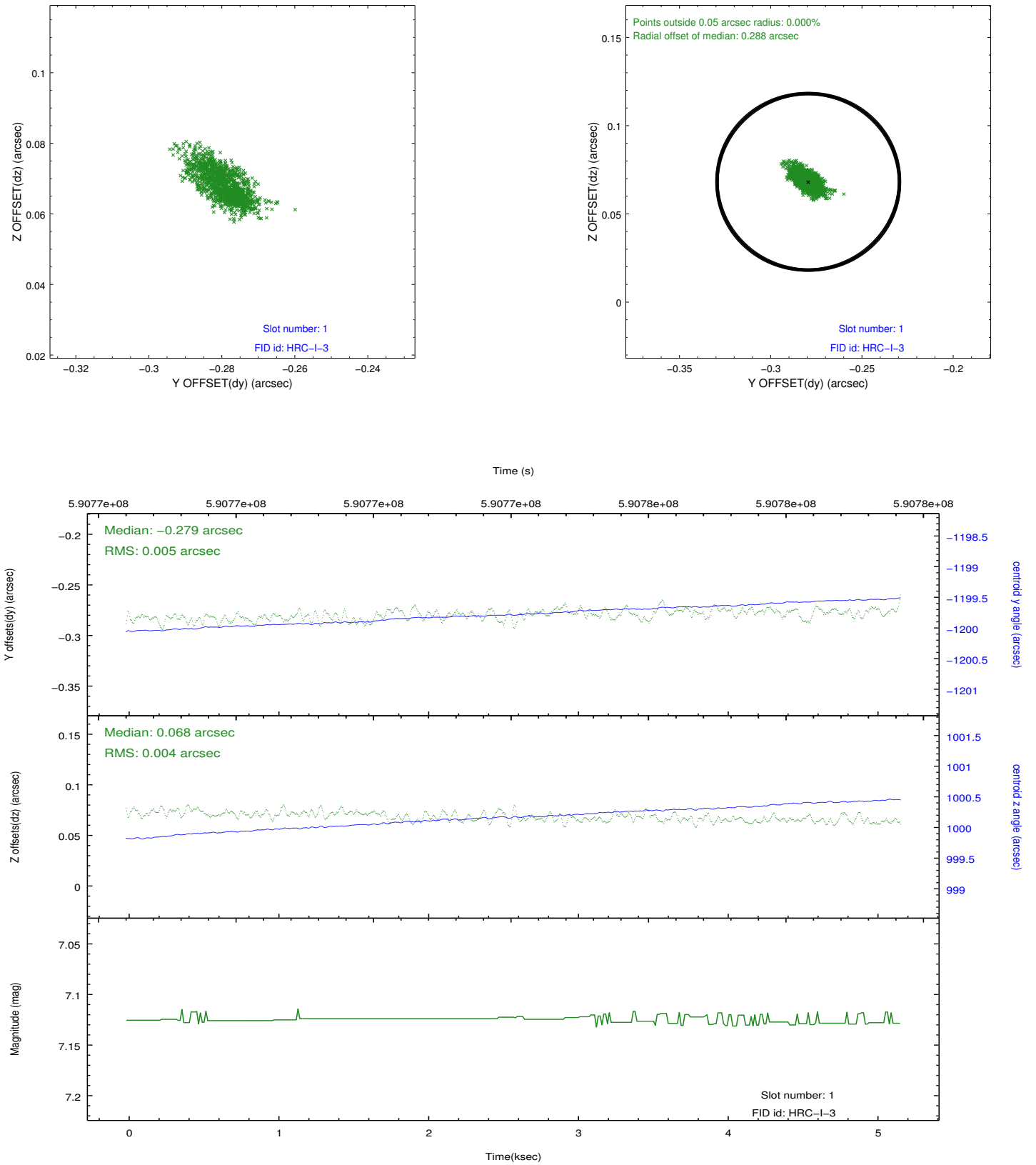


2.5 FID Slots

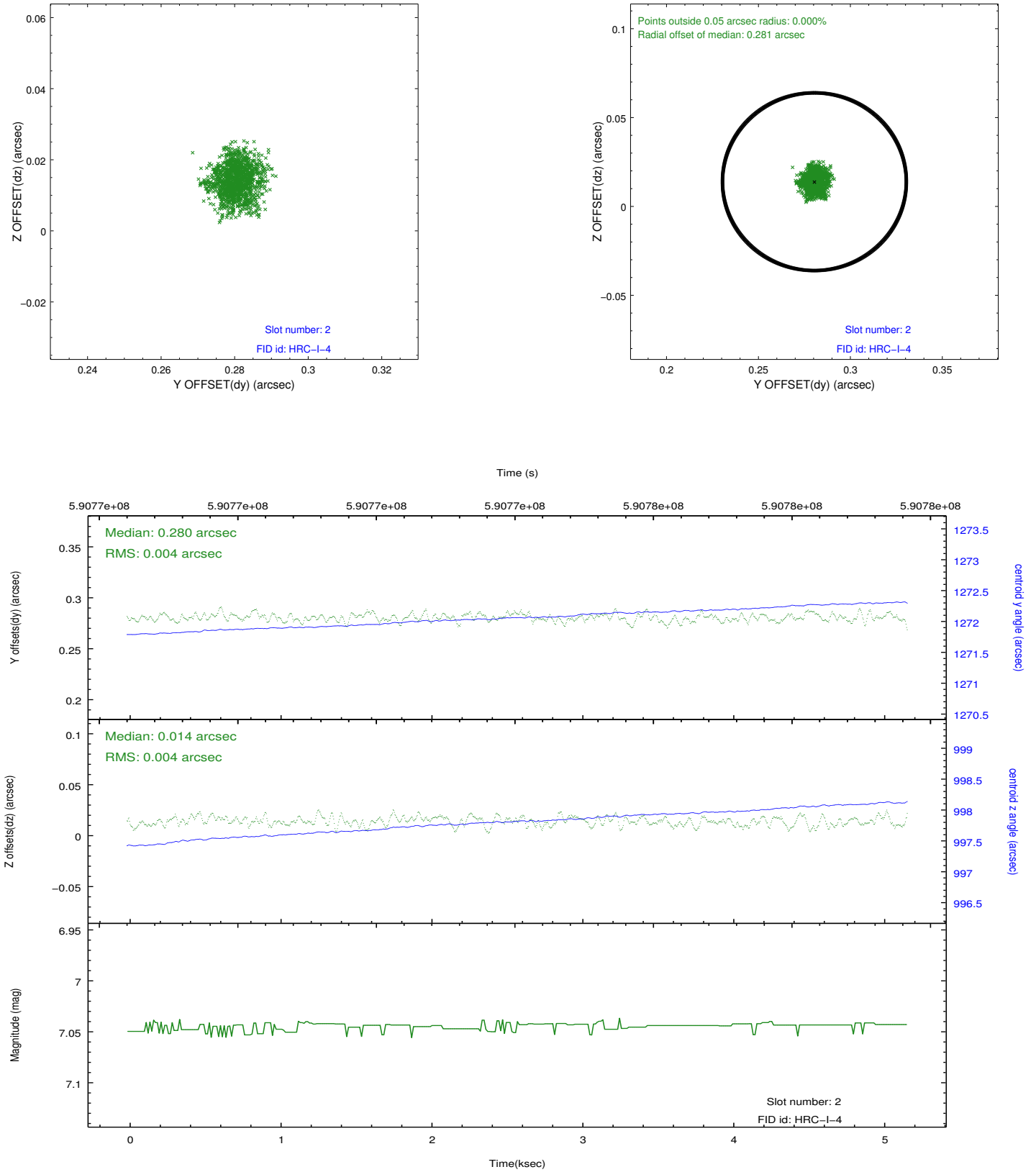
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1713815475702

A.2 Comments

Window constraint met.