

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6519 - L2 Version 4
Chandra X-Ray Center

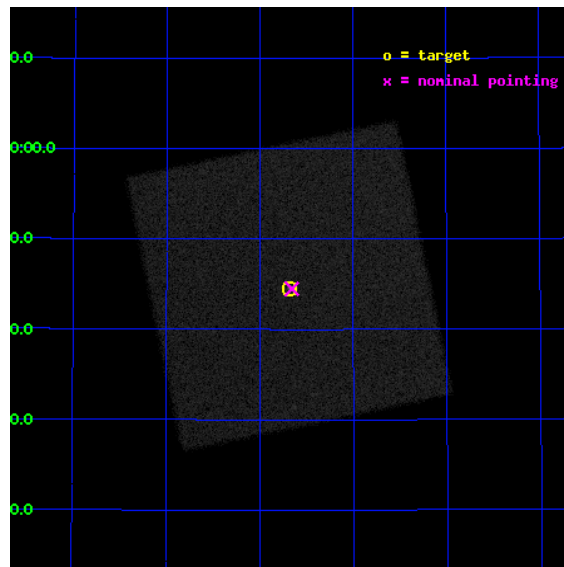
L2 Processing Date : Aug 11 2012

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1 Front

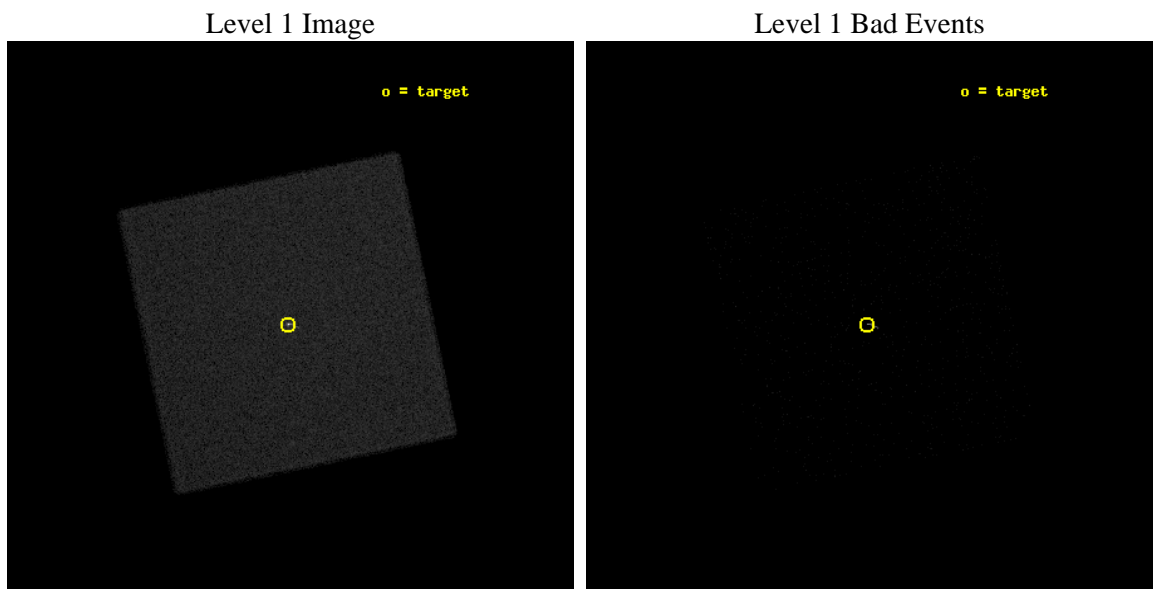
seq_num	290612	Sequence number
obs_id	6519	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16425279028	Nominal RA [deg]
dec_nom	45.741669082222	Nominal Dec [deg]
roll_nom	213.24211525263	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3172.6313990951	[s]
livetime	3143.1423349908	Ontime multiplied by DTCOR
l2events	172828	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3172.6313990951	[s]
caldbver	4.5.1.1	 	l1events	325858	Number of level 1 events
date	2012-08-11T11:40:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

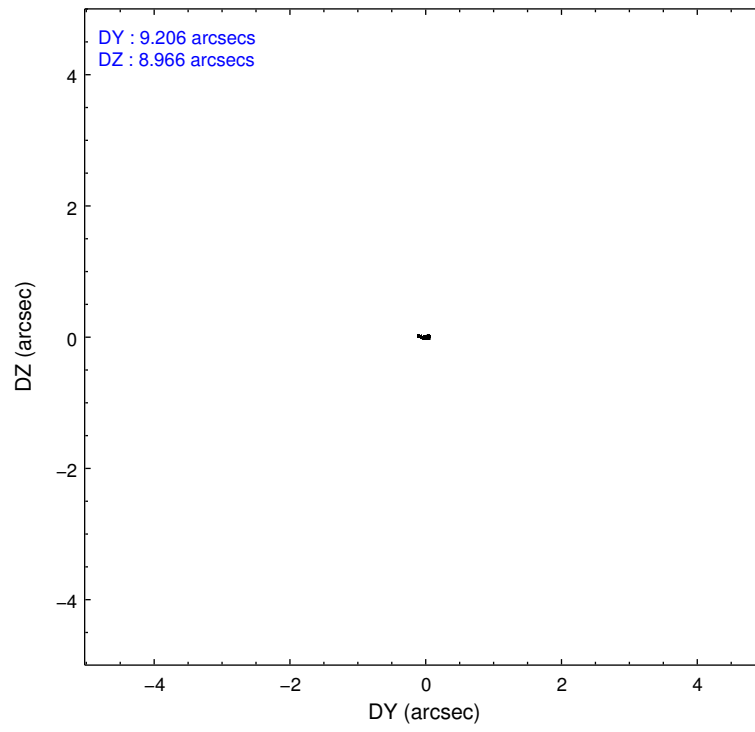
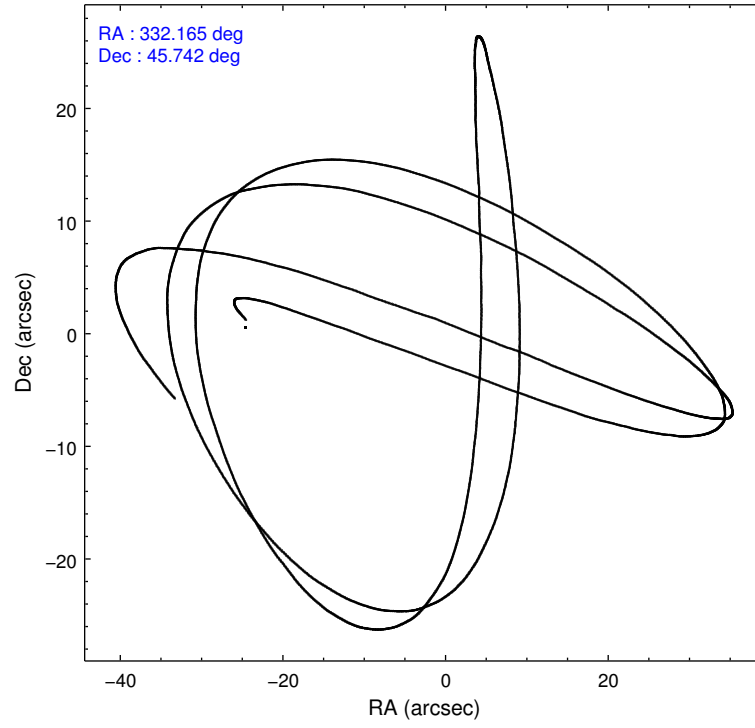
Level 1 Events

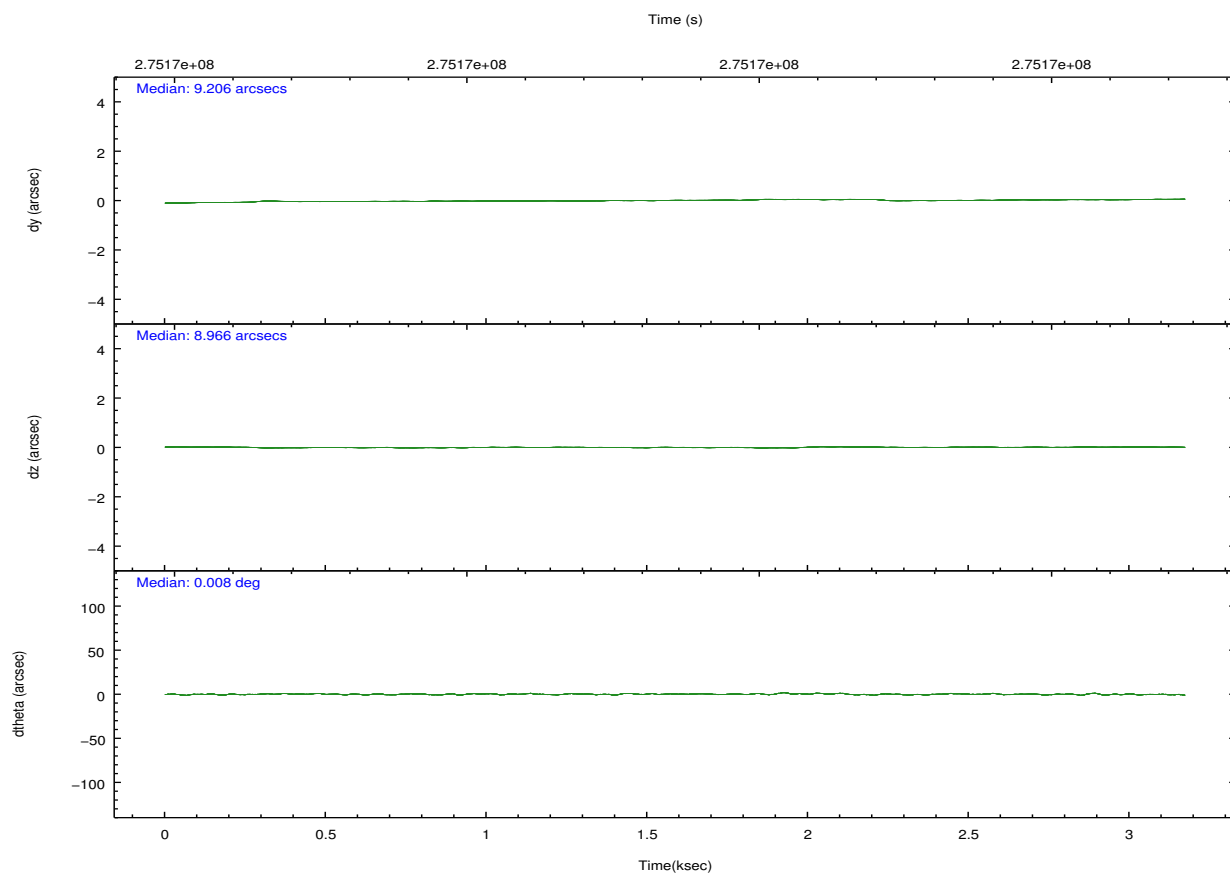
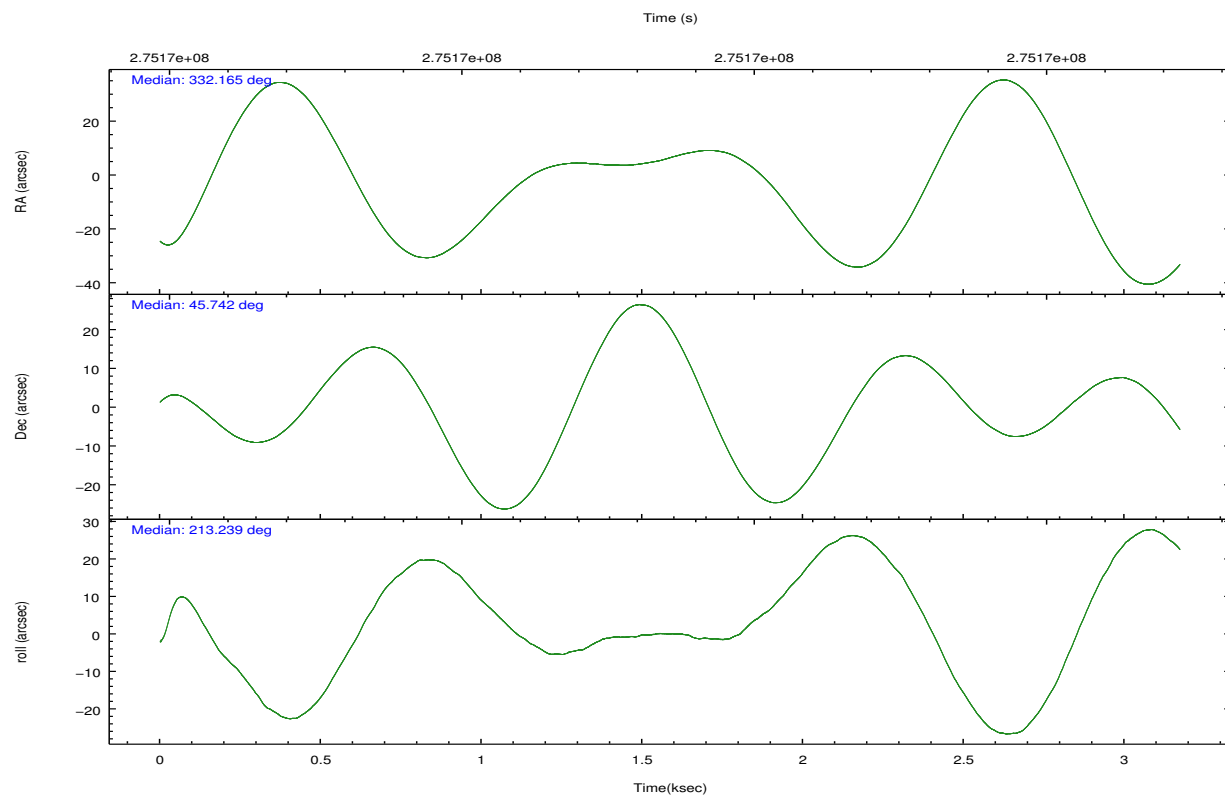
	segment 0
level 1 events	325858
rejected events	75831
rejected %	23%

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	332.180803	332.164252790276			
[deg] Pointing Dec	45.766019	45.74166908222236			
[deg] Pointing Roll	213.325806	213.2421152526303			
[s] Window start time (MET)	273456065.184000	273456065.184000			
[s] Window stop time (MET)	278640065.184000	278640065.184000			
[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)	275168302.184000	275167257.30072			
Observation start date	2006-09-20T19:37:17	2006-09-20T19:20:57			
[s] Observation end time (MET)	275171302.184000	275171436.22592			
Observation end date	2006-09-20T20:27:17	2006-09-20T20:30:36			

2.3 Aspect



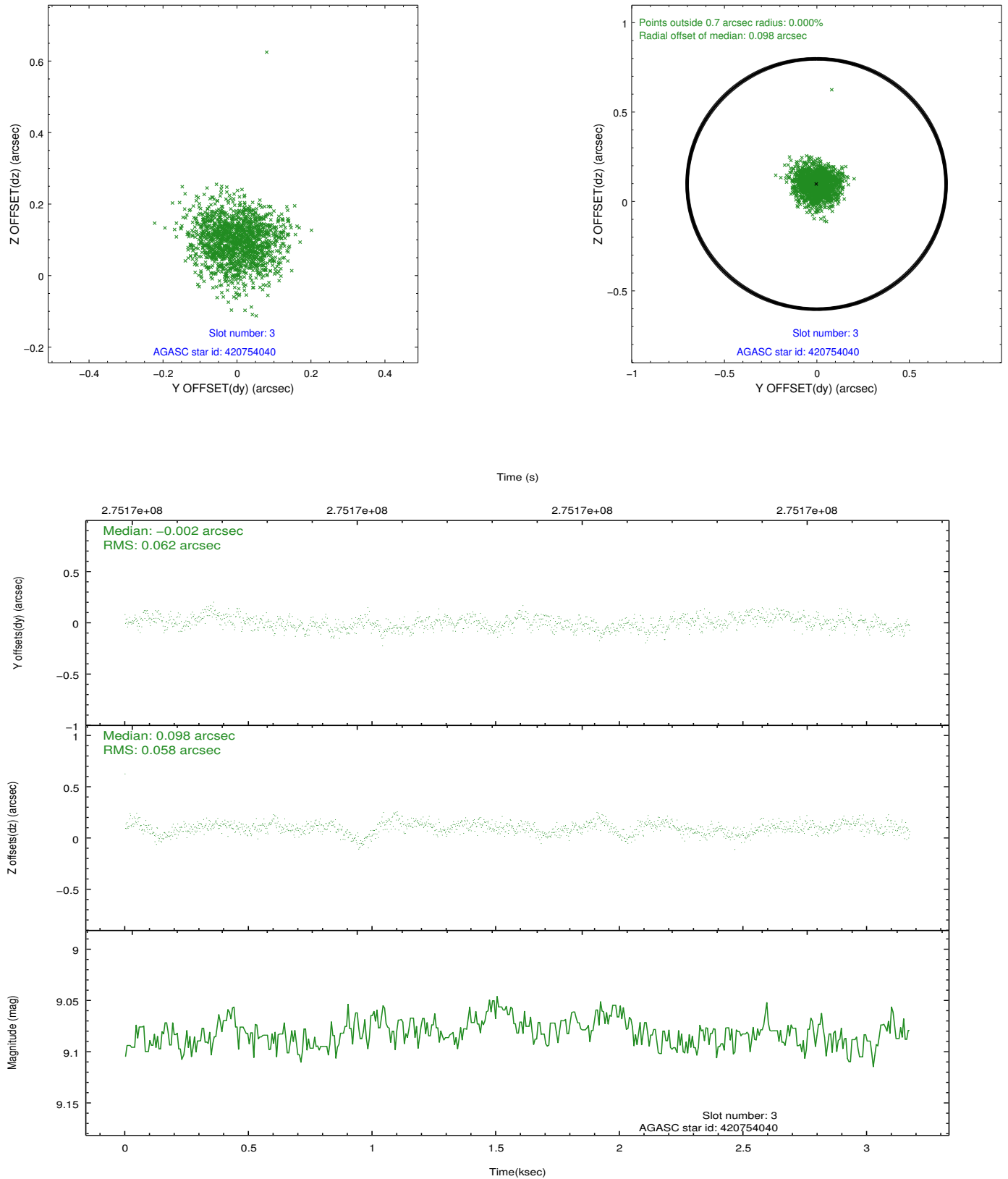


Slot Statistics

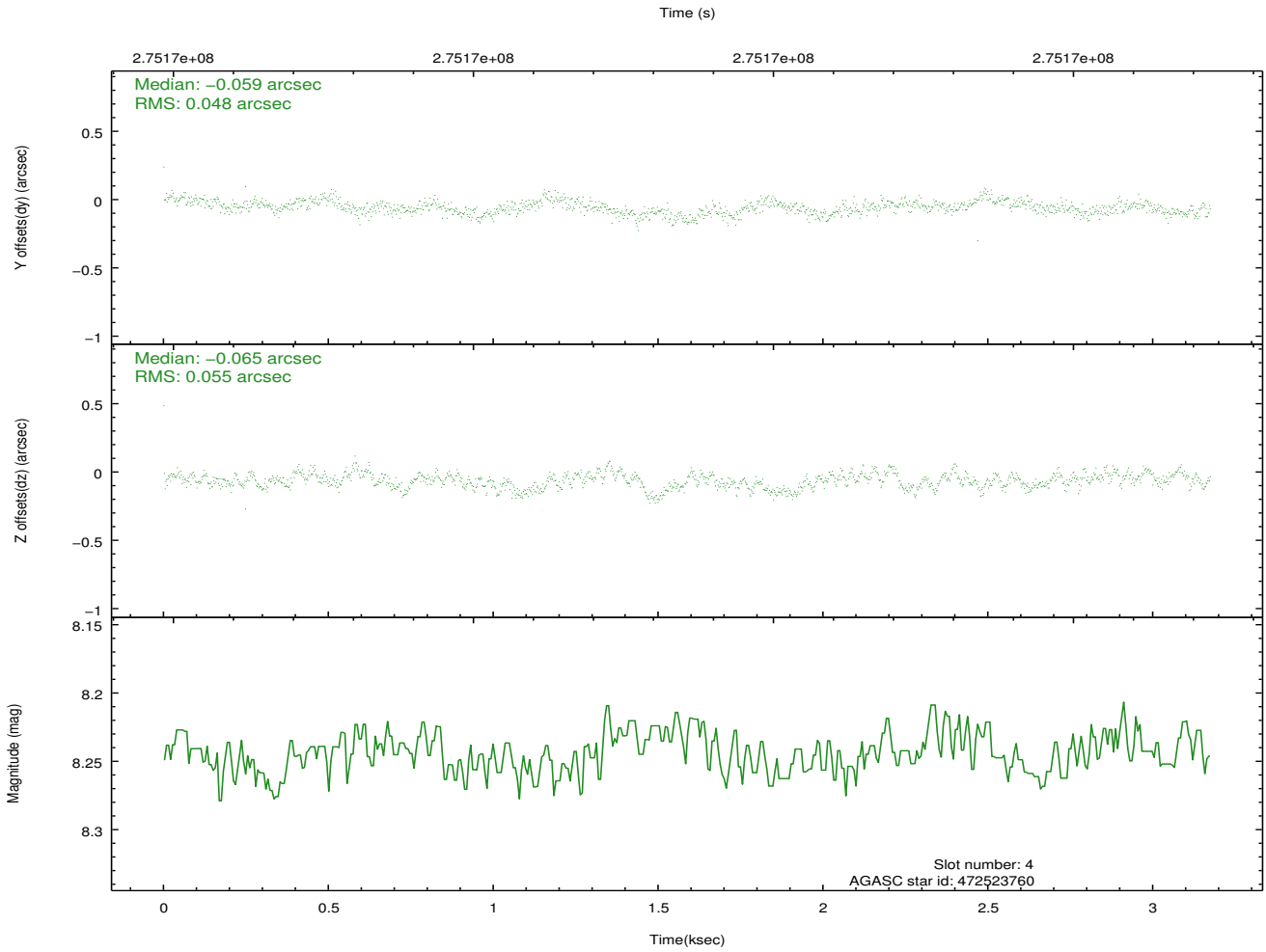
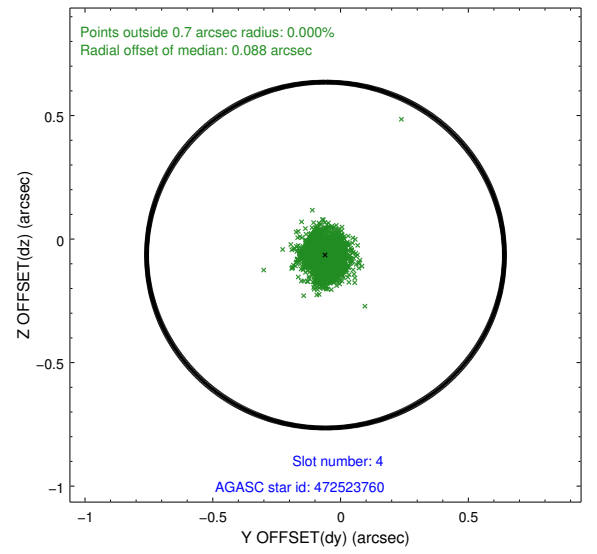
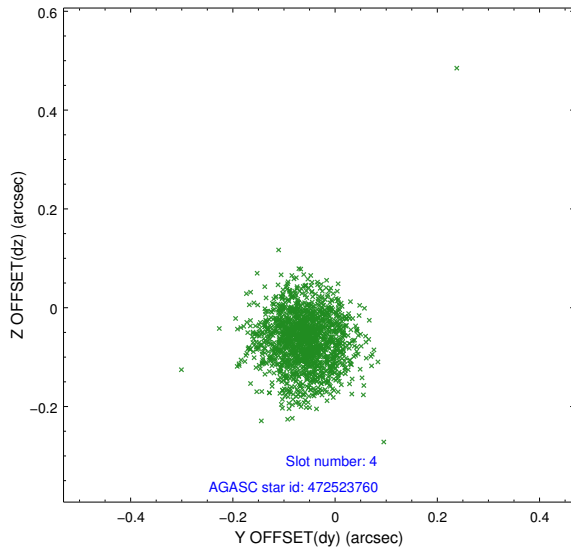
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	774	-0.014	0.057	0.008	0.013	0.000000	0.000000	-764.86	-1296.82
1	FID	HRC-I-2	7.01	774	0.145	-0.107	0.006	0.010	0.000000	0.000000	846.94	-1300.22
2	FID	HRC-I-3	7.06	774	-0.011	-0.040	0.006	0.011	0.000000	0.000000	-1192.25	1005.97
3	GUIDE	420754040	9.08	1547	-0.002	0.098	0.090	0.144	331.917939	44.882543	2307.10	2289.10
4	GUIDE	472523760	8.24	1549	-0.059	-0.065	0.077	0.122	331.645363	45.403260	1848.16	345.76
5	GUIDE	472533912	9.16	1544	-0.038	0.043	0.120	0.192	331.791136	46.368695	-382.47	-2346.03
6	GUIDE	472655152	9.42	1536	-0.002	-0.163	0.115	0.196	332.504239	45.862991	-869.61	151.27
7	GUIDE	472665256	9.02	1545	0.102	0.094	0.074	0.122	332.808125	46.195041	-2157.73	-436.28

2.4 Star Slots

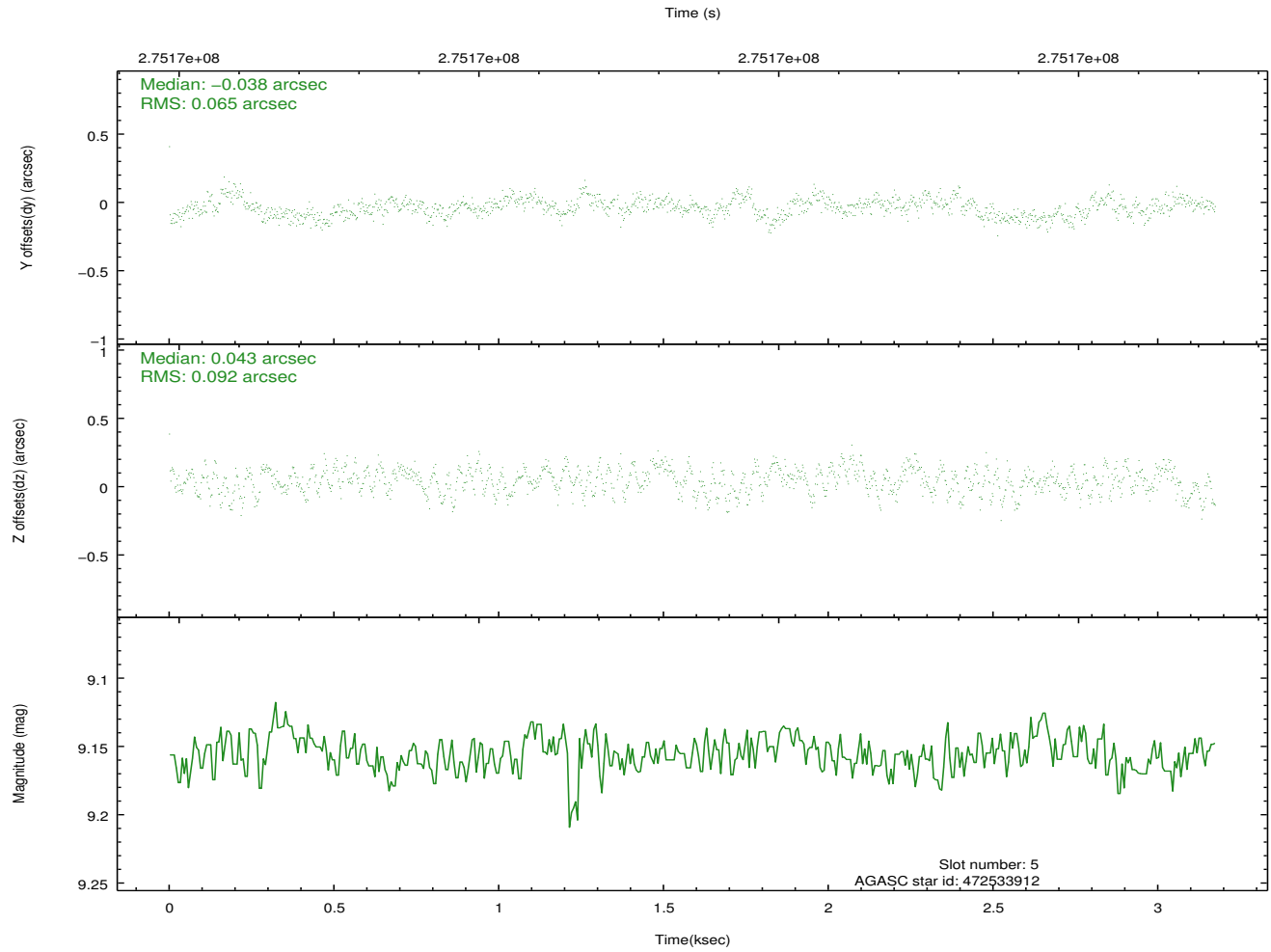
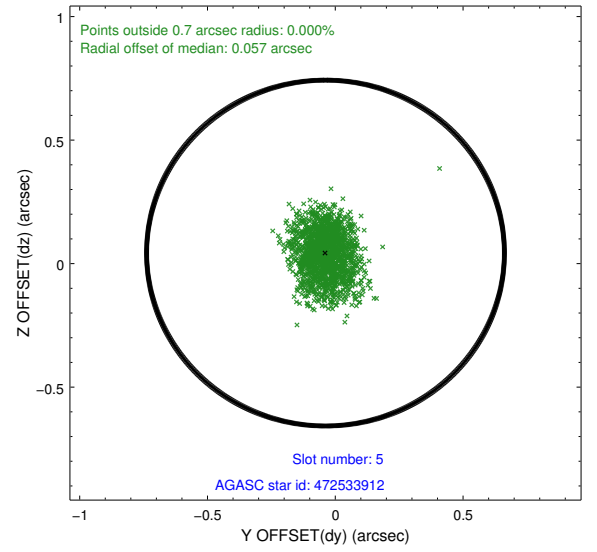
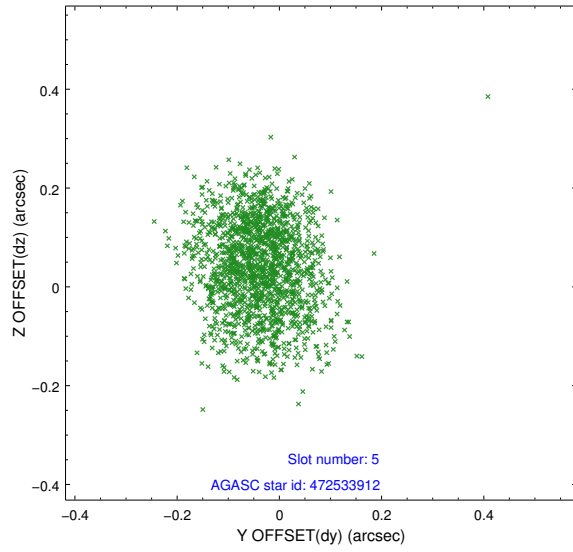
2.4.1 Slot 3



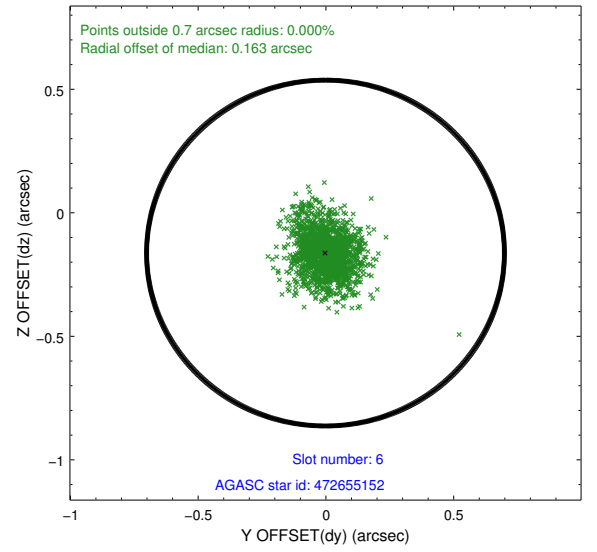
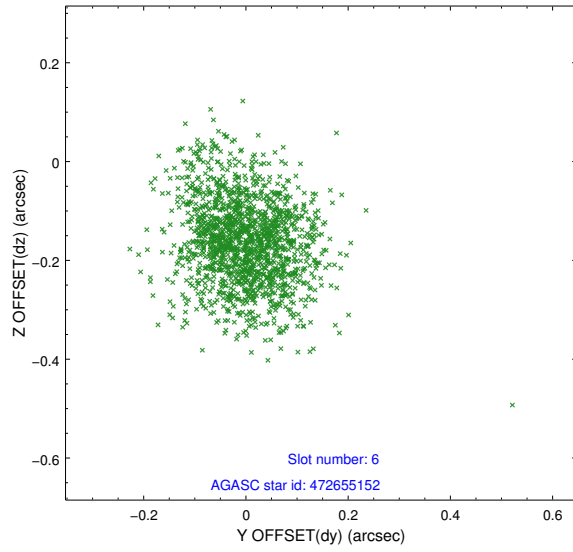
2.4.2 Slot 4



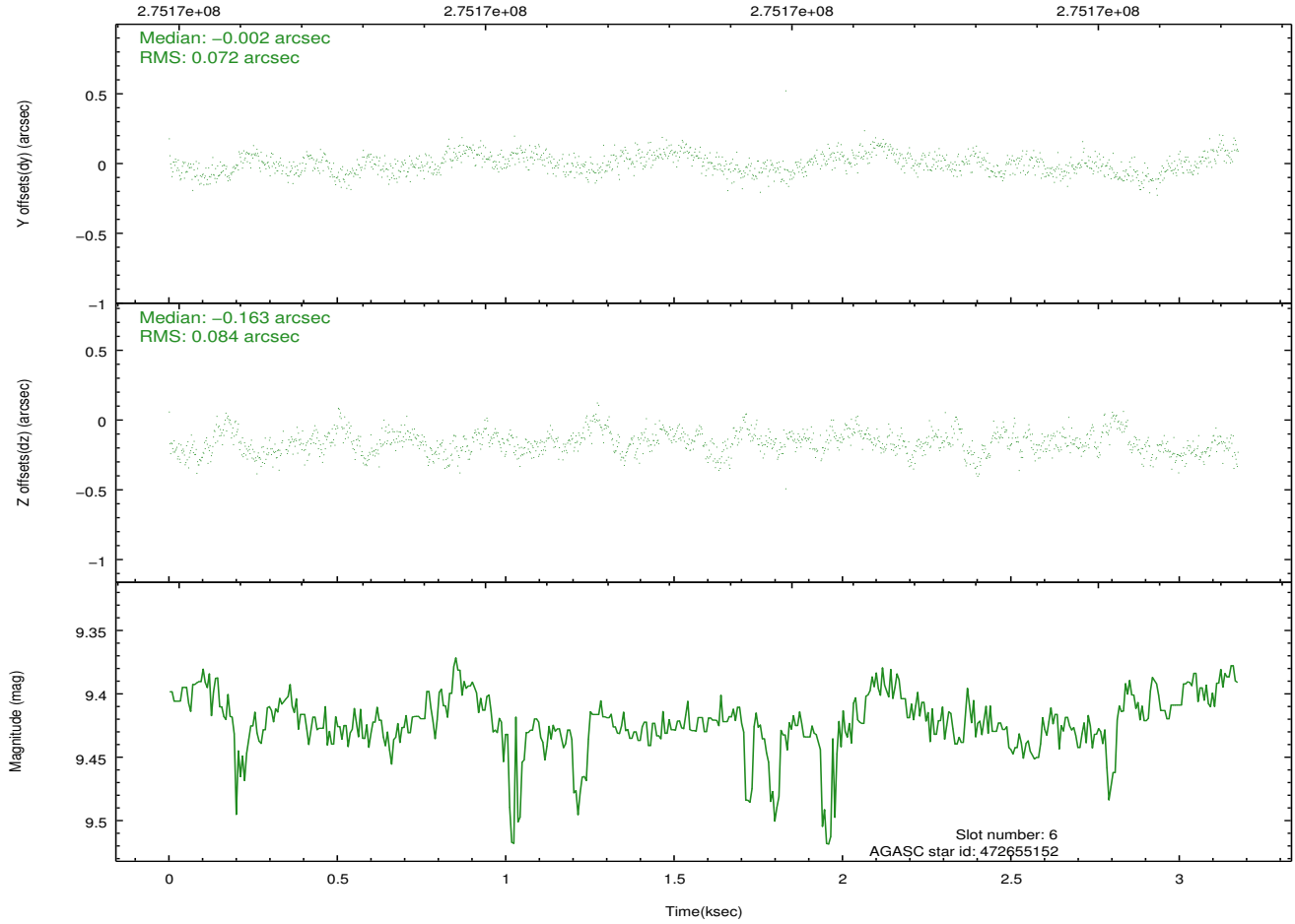
2.4.3 Slot 5



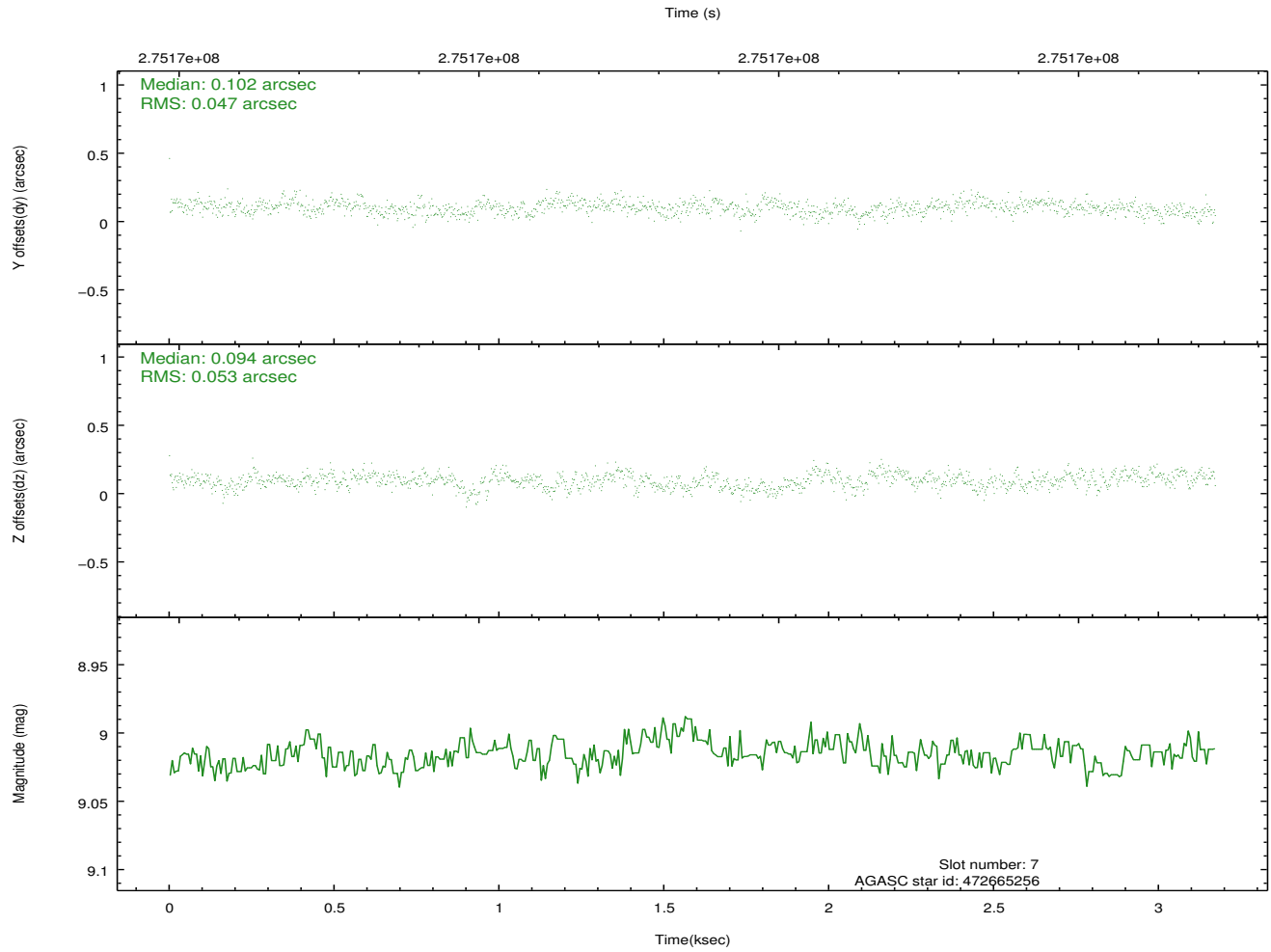
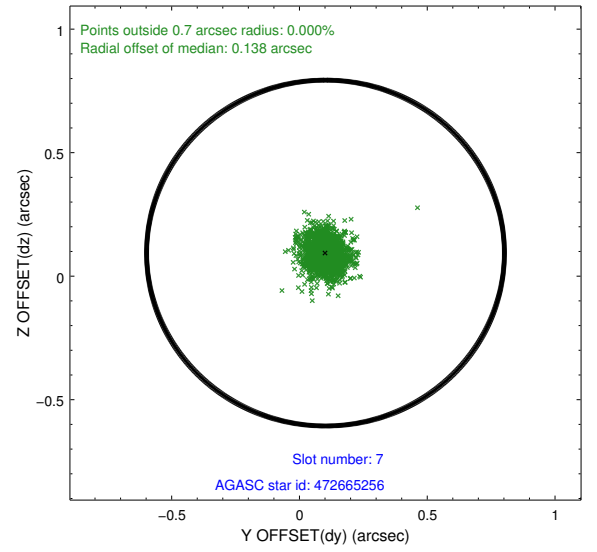
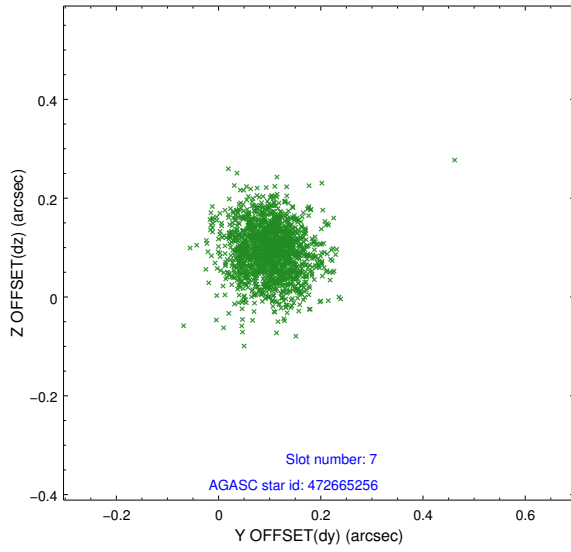
2.4.4 Slot 6



Time (s)

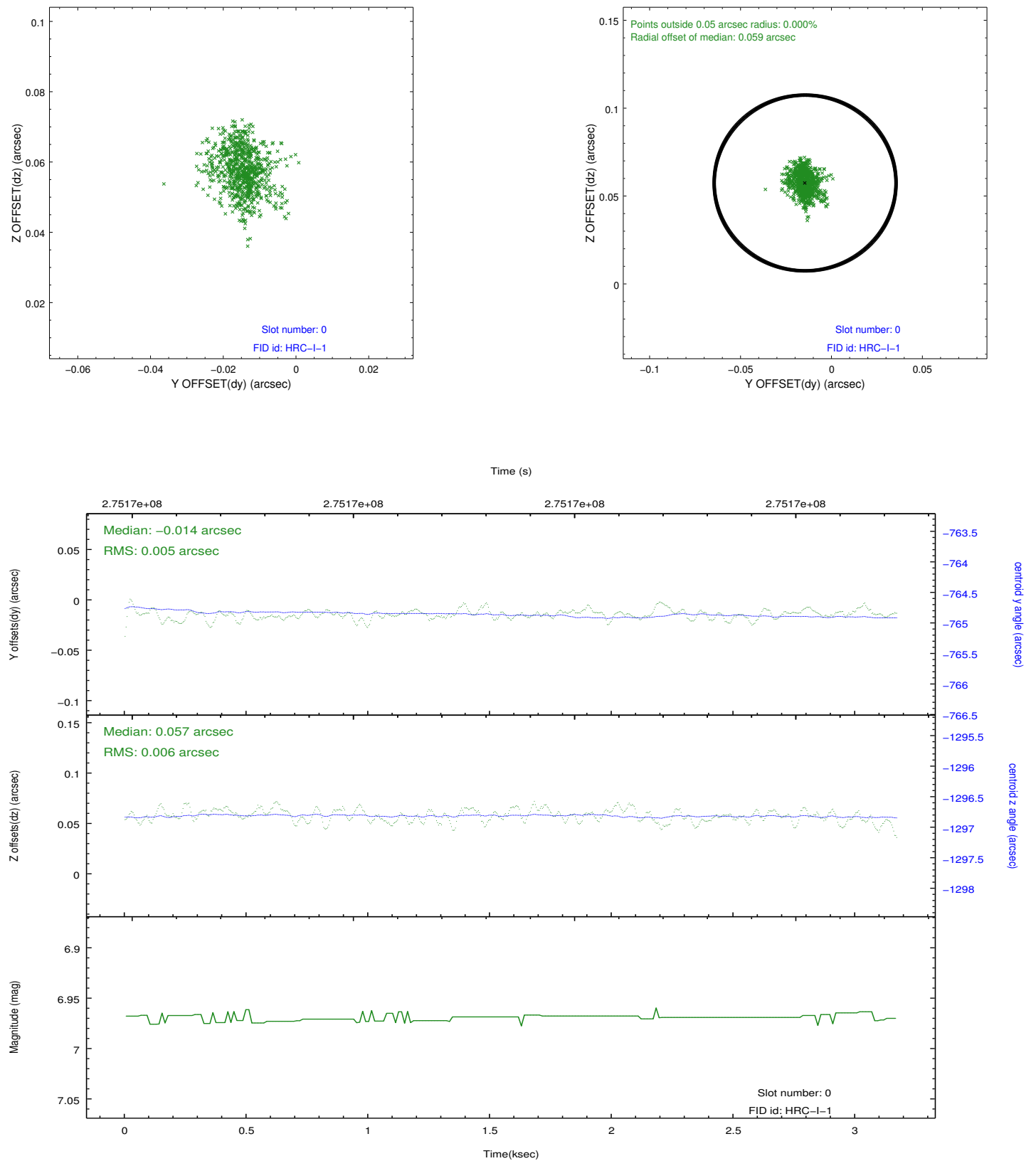


2.4.5 Slot 7

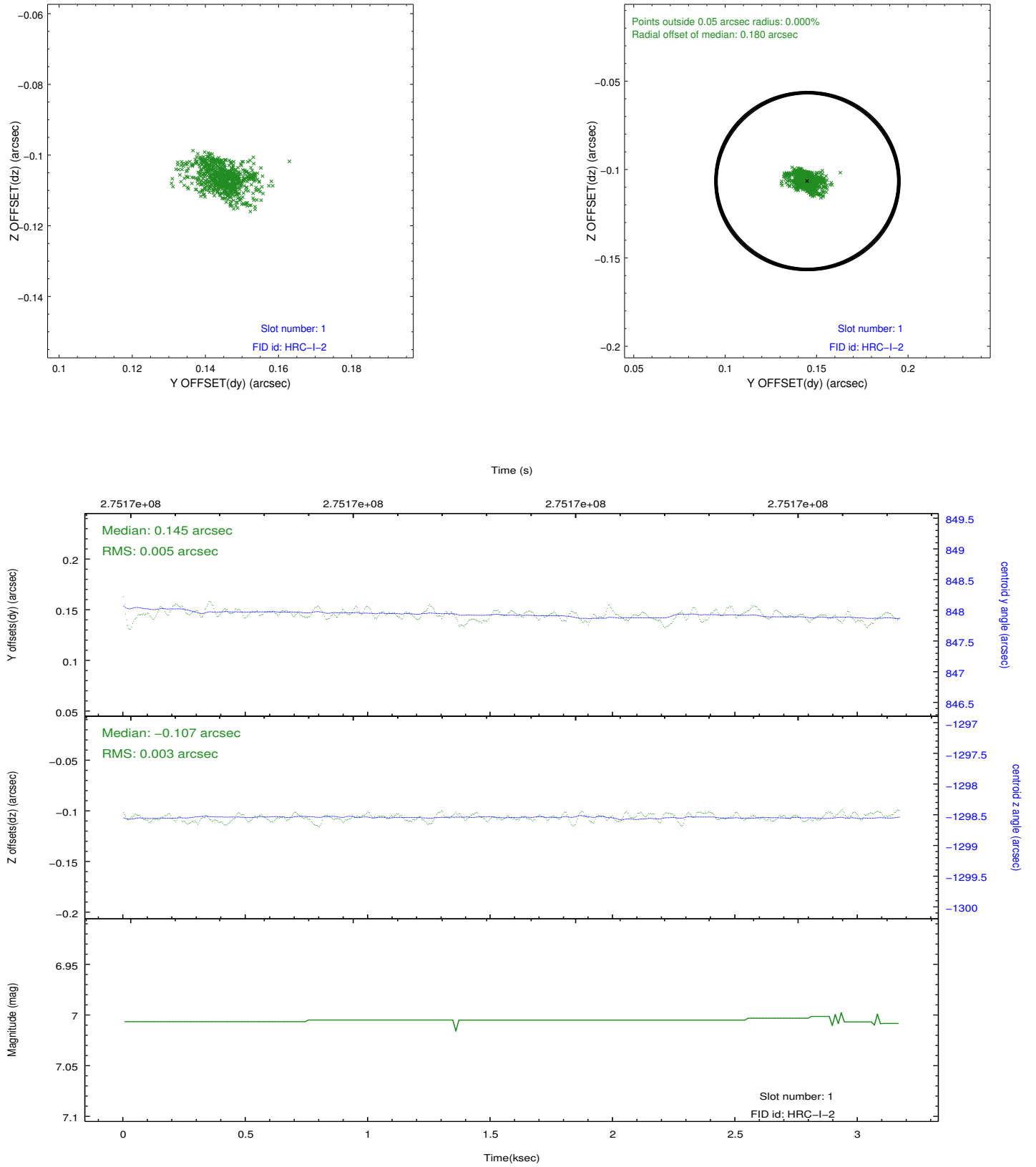


2.5 FID Slots

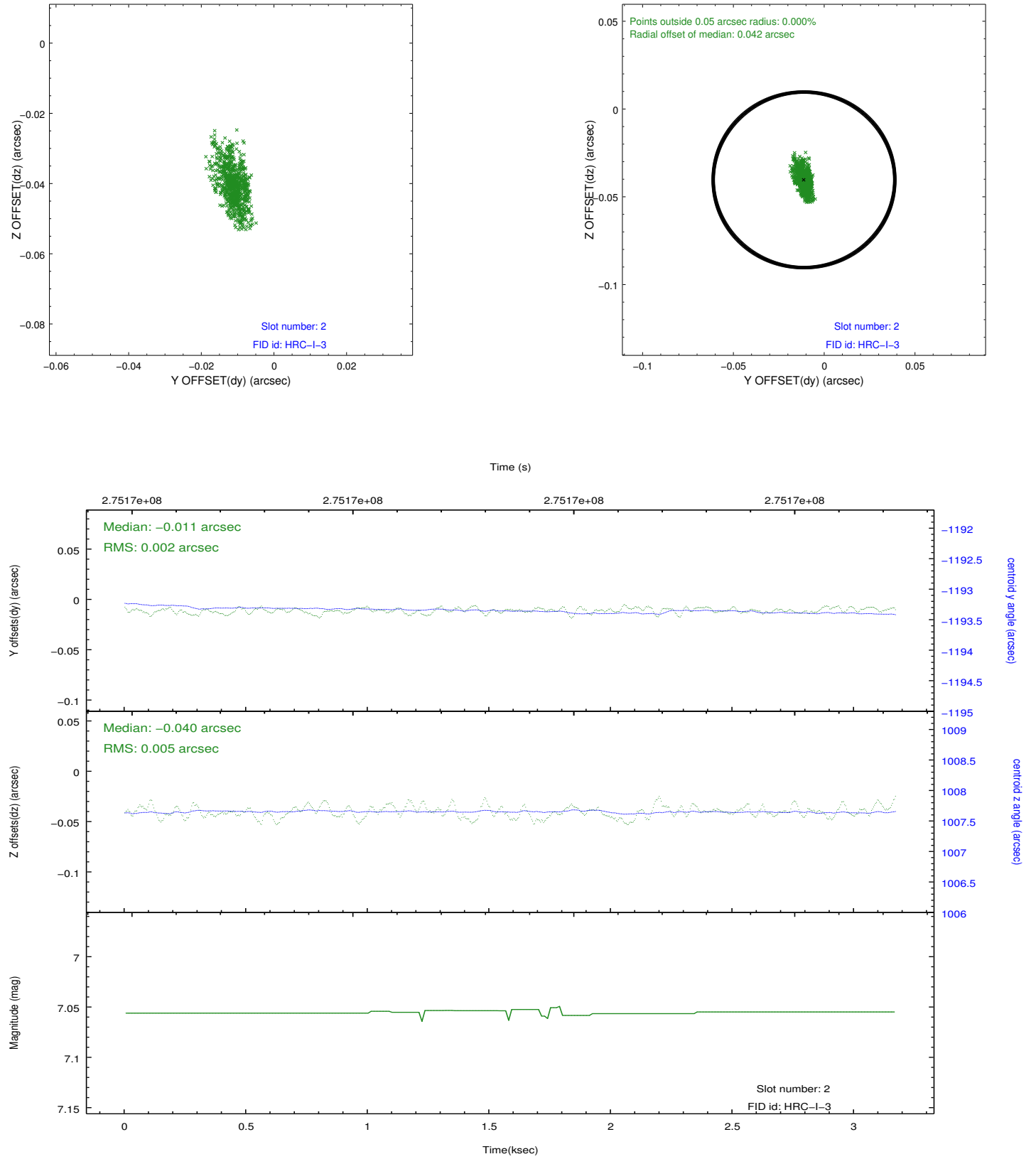
2.5.1 Slot 0



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)	2012.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.17263139

A.2 Comments

Window constraint met.