

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4290 - L2 Version 4
Chandra X-Ray Center

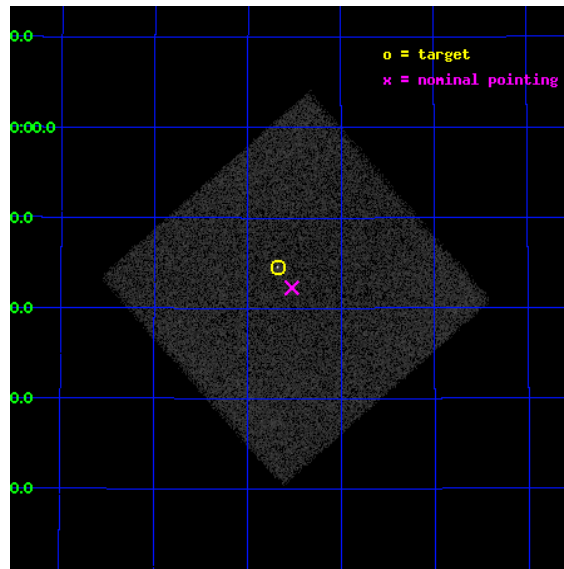
L2 Processing Date : Oct 23 2012

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1 Front

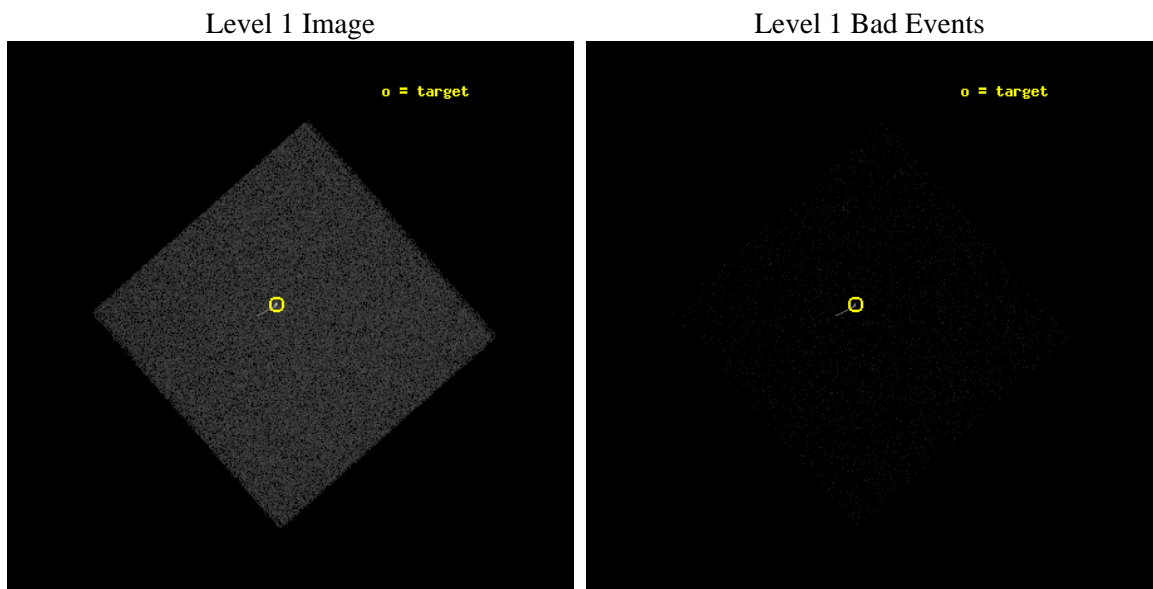
seq_num	290250	Sequence number
obs_id	4290	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13155725783	Nominal RA [deg]
dec_nom	45.704523712235	Nominal Dec [deg]
roll_nom	3.6245034198362	Nominal Roll [deg]
revision	4	Processing version of data
ontime	894.05628761649	[s]
livetime	871.16046994053	Ontime multiplied by DTCOR
l2events	79975	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	894.05628761649	[s]
caldbver	4.5.2	 	l1events	149058	Number of level 1 events
date	2012-10-23T09:26:40	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

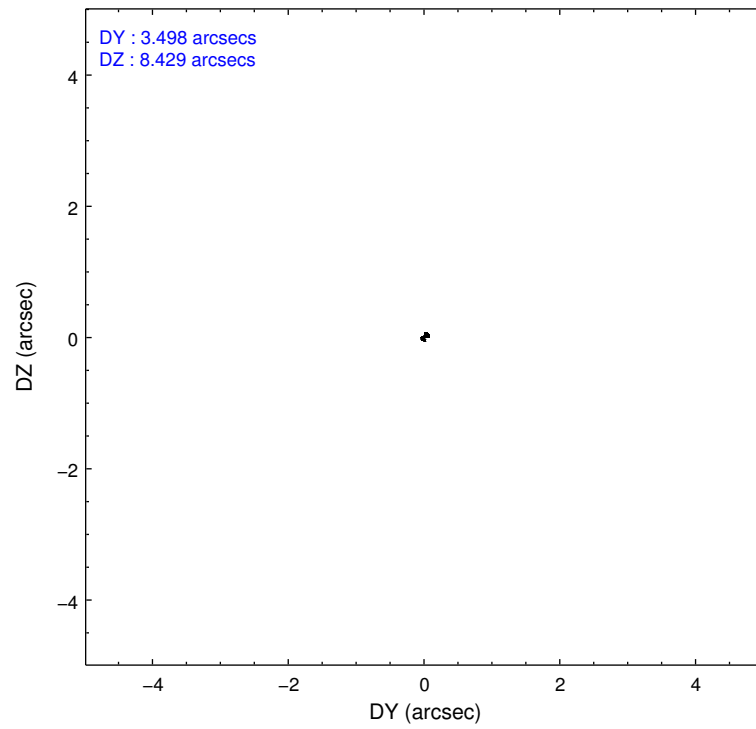
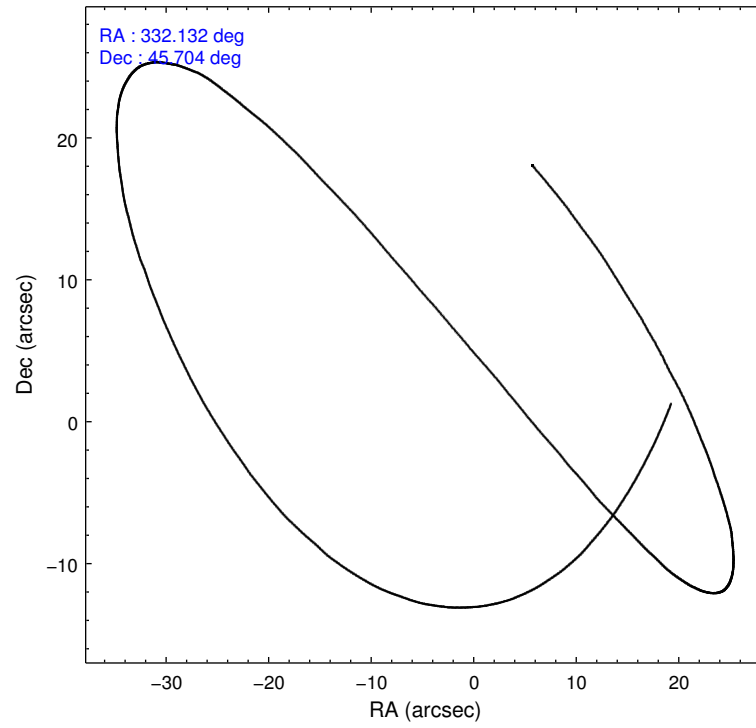
Level 1 Events

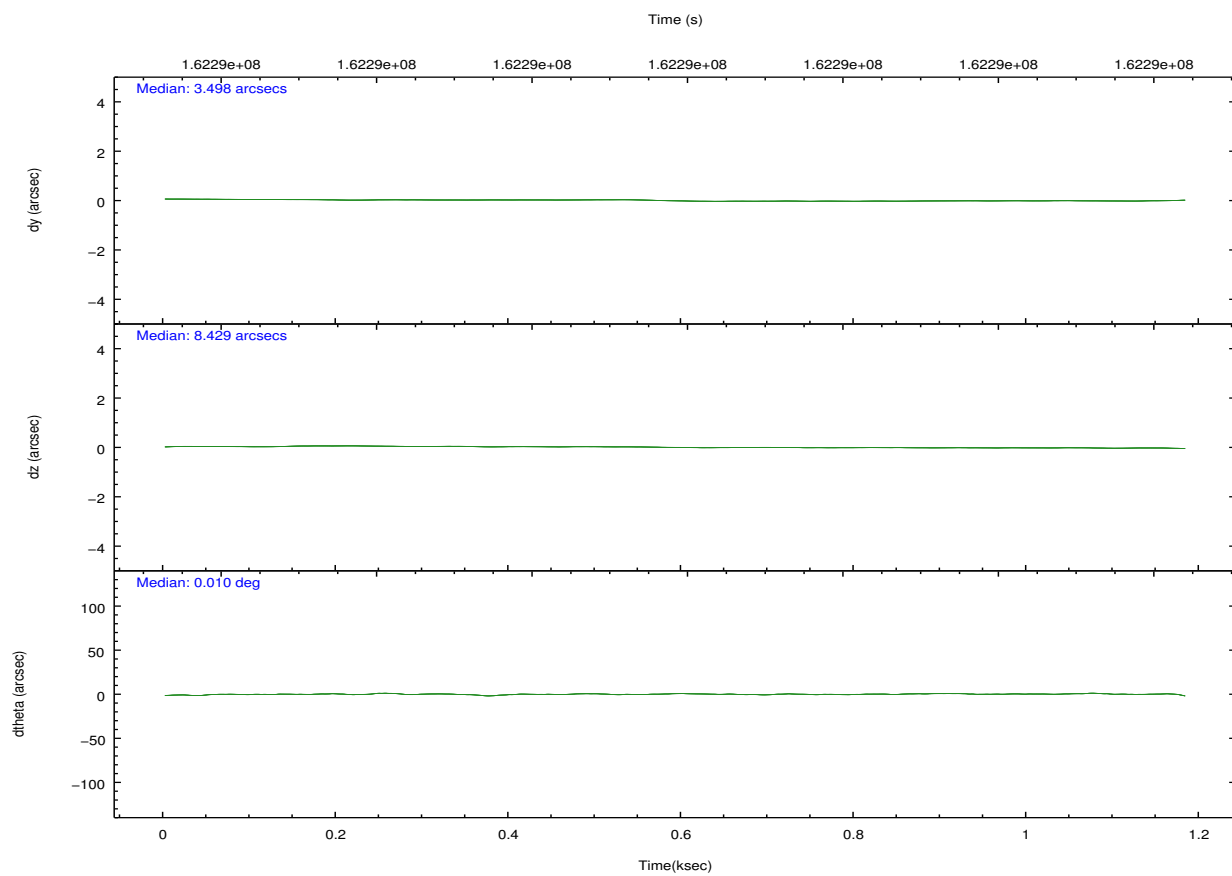
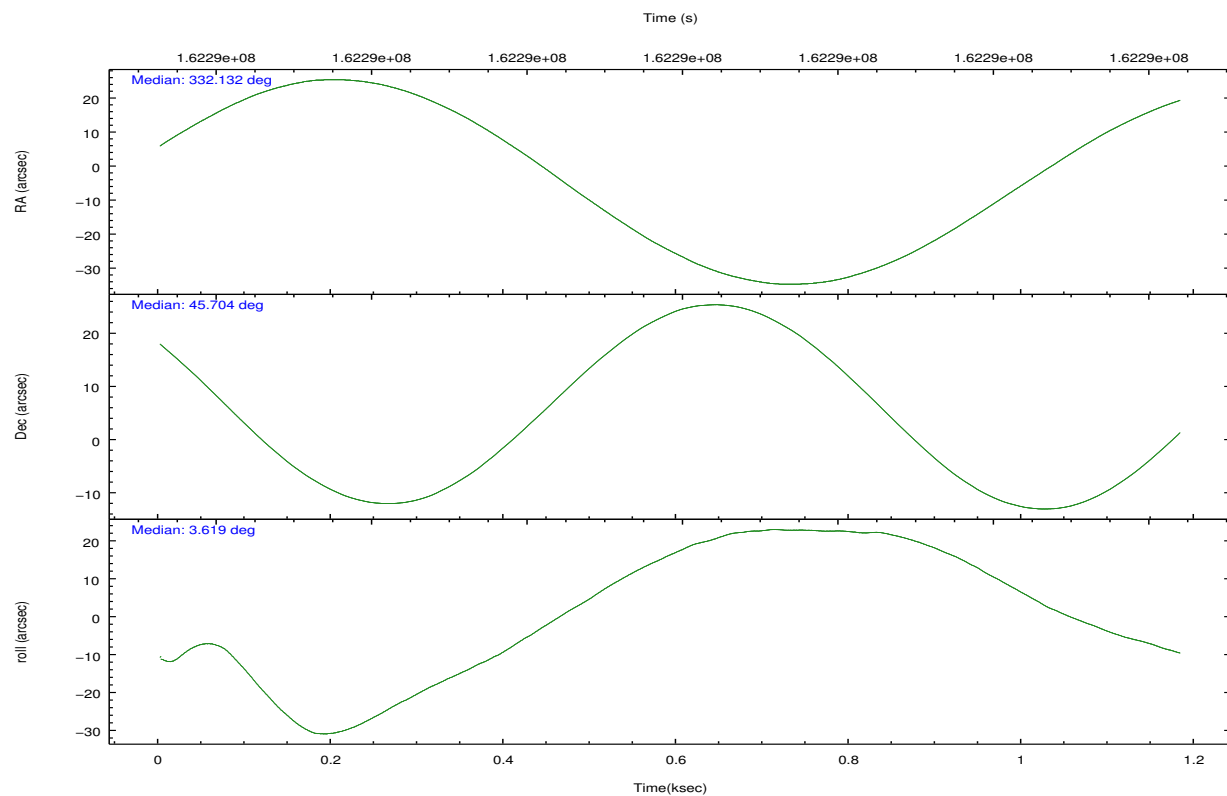
	segment 0
level 1 events	149058
rejected events	36886
rejected %	24%

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	332.099286	332.1315572578328			
[deg] Pointing Dec	45.689997	45.70452371223511			
[deg] Pointing Roll	3.743176	3.624503419836199			
[s] Window start time (MET)	161654464.184000	161654464.184000			
[s] Window stop time (MET)	165369664.184000	165369664.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	162293578.184000	162293165.74454			
Observation start date	2003-02-22T09:31:54	2003-02-22T09:26:05			
[s] Observation end time (MET)	162294578.184000	162294711.4446			
Observation end date	2003-02-22T09:48:34	2003-02-22T09:51:51			

2.3 Aspect



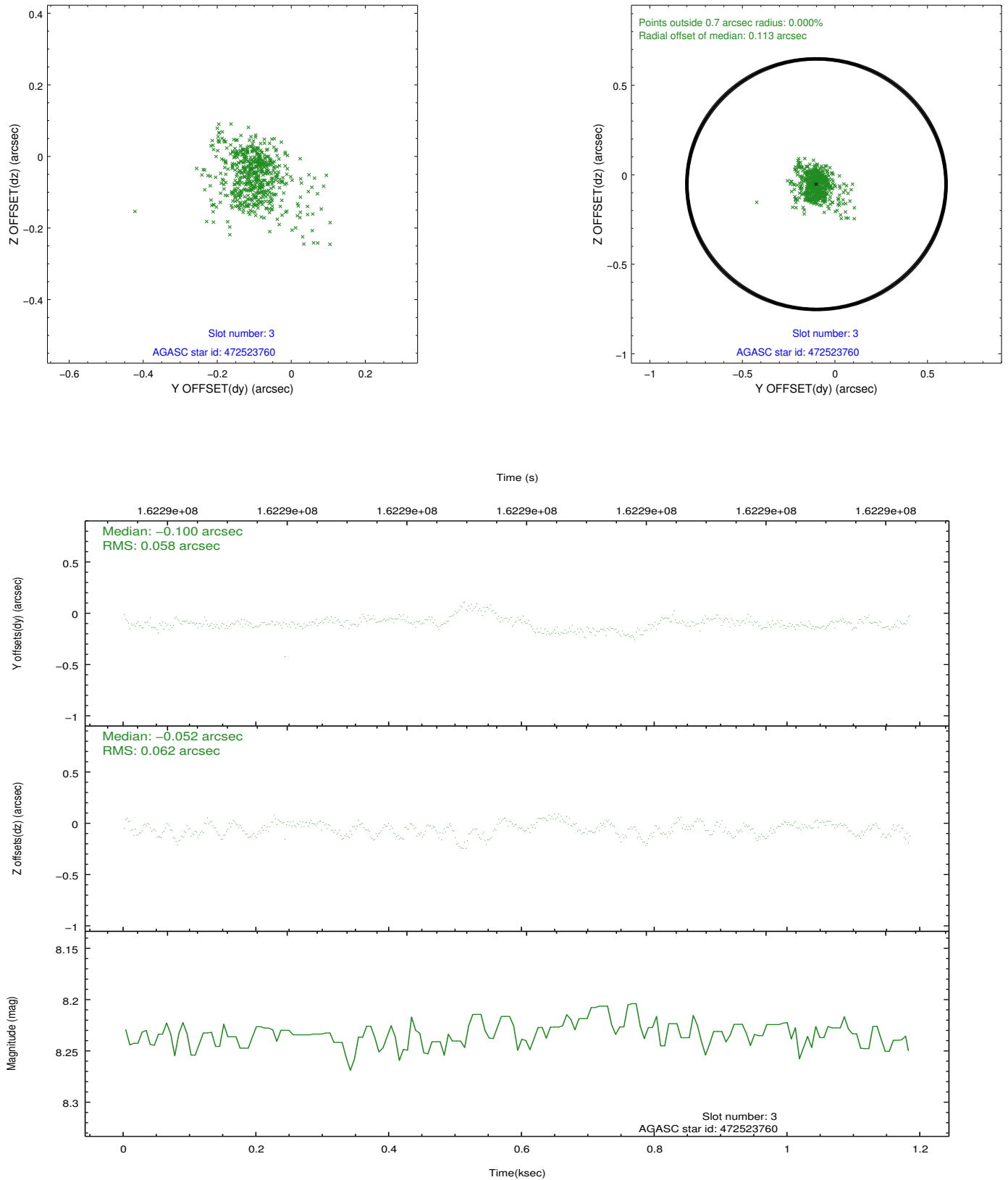


Slot Statistics

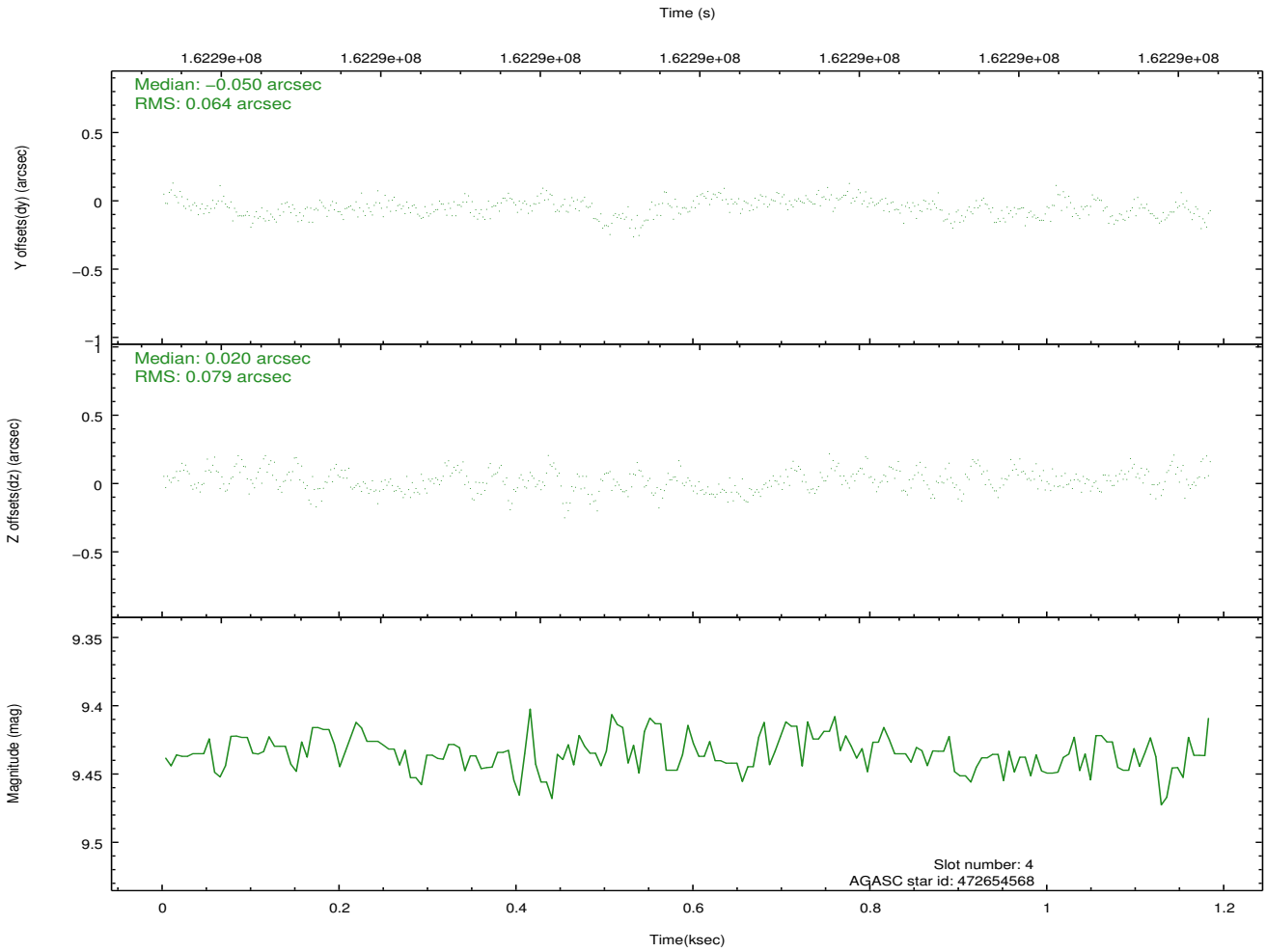
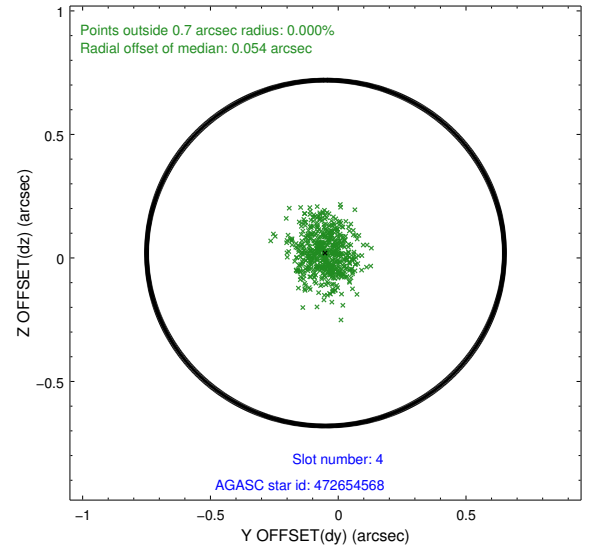
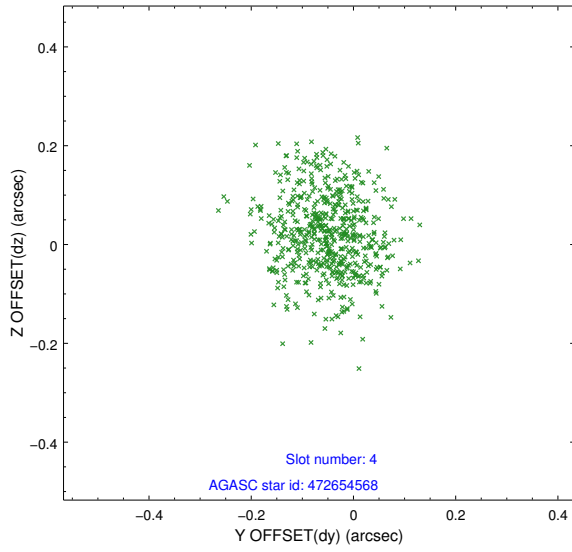
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.072	0.055	0.005	0.010	0.000000	0.000000	-758.95	-1296.30
1	FID	HRC-I-3	7.06	289	-0.012	-0.066	0.006	0.011	0.000000	0.000000	-1190.09	1003.67
2	FID	HRC-I-4	7.01	289	0.054	-0.078	0.005	0.009	0.000000	0.000000	1279.76	1009.16
3	GUIDE	472523760	8.23	578	-0.100	-0.052	0.082	0.159	331.645363	45.403260	-1212.84	-948.29
4	GUIDE	472654568	9.44	578	-0.050	0.020	0.109	0.171	332.194449	45.063576	91.61	-2263.74
5	GUIDE	472655152	9.44	578	0.160	0.033	0.090	0.148	332.504239	45.862991	1053.41	557.76
6	GUIDE	472659832	9.46	578	0.028	0.086	0.094	0.147	332.780399	46.098139	1794.05	1367.51
7	GUIDE	472527720	6.99	577	-0.033	-0.073	0.060	0.102	331.460205	45.112509	-1752.96	-1956.19

2.4 Star Slots

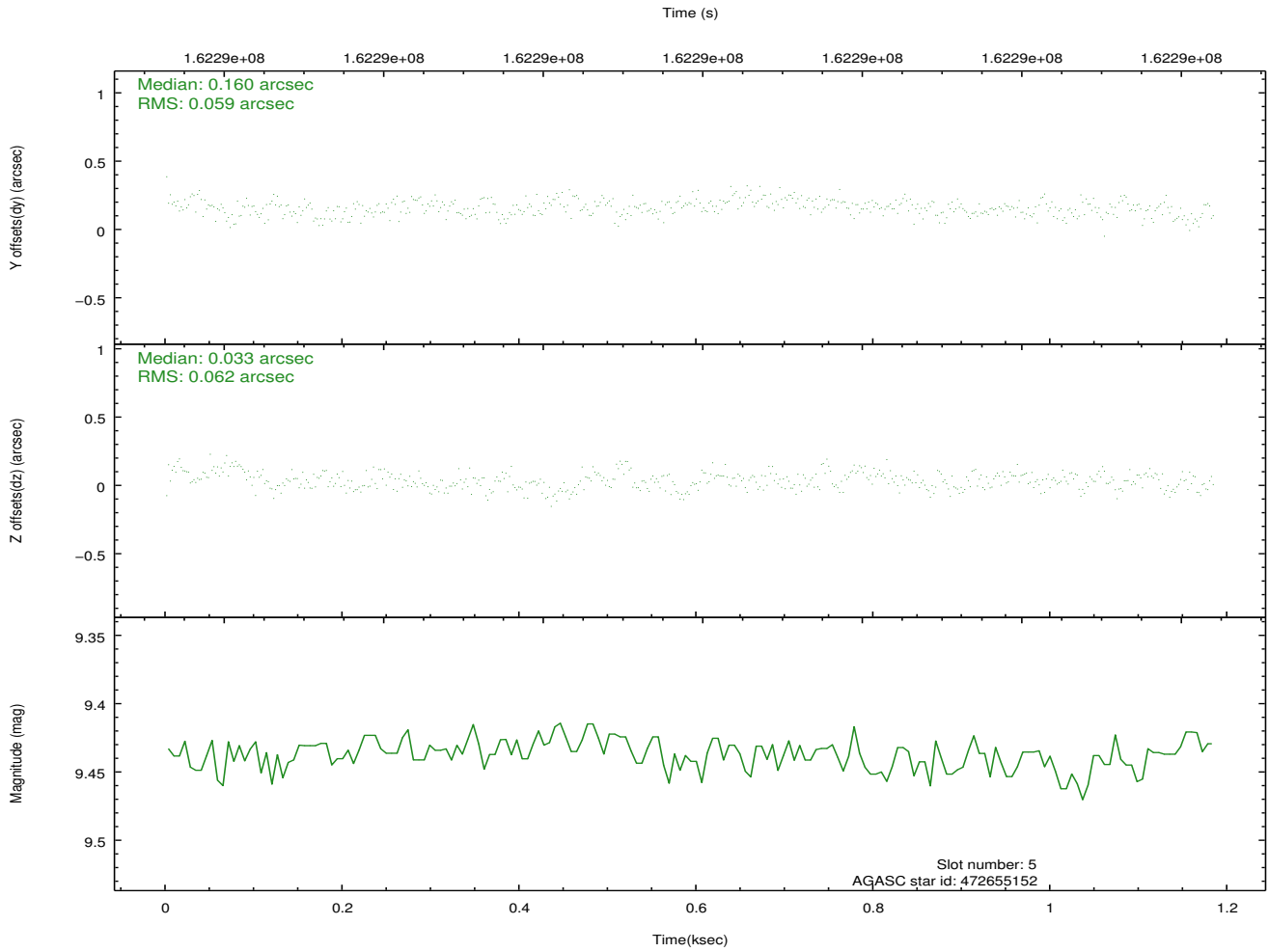
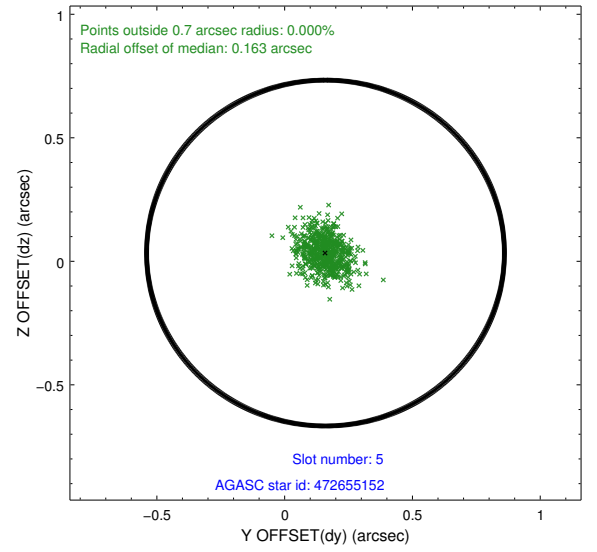
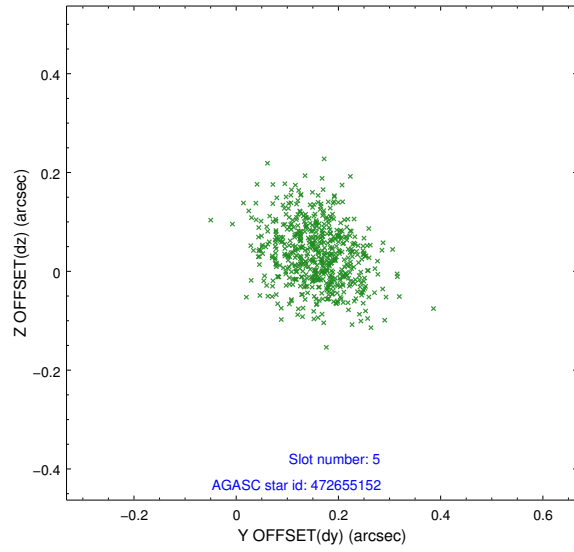
2.4.1 Slot 3



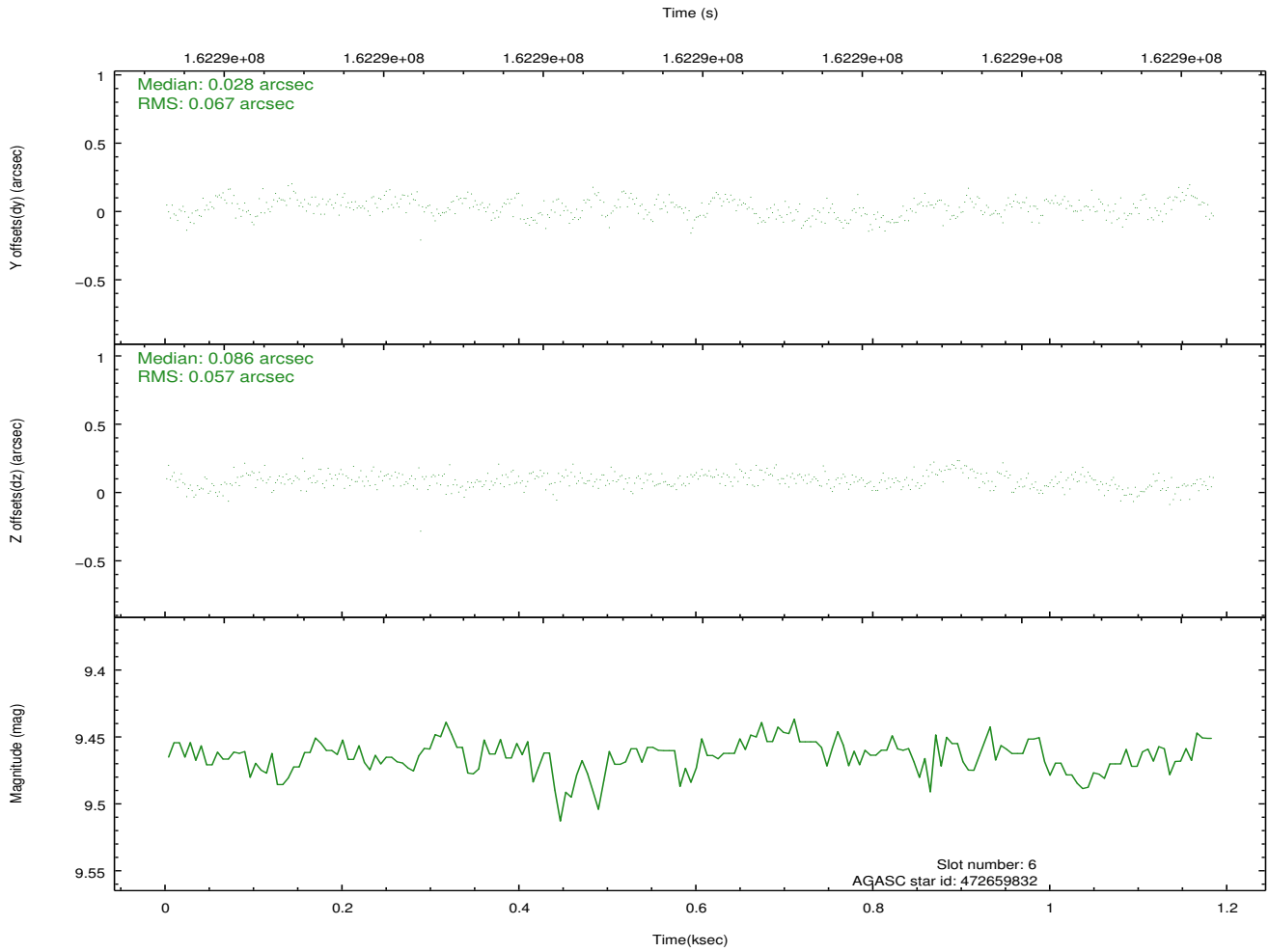
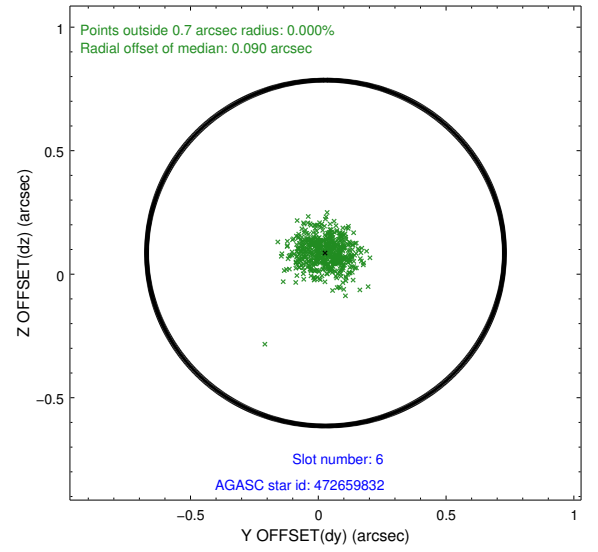
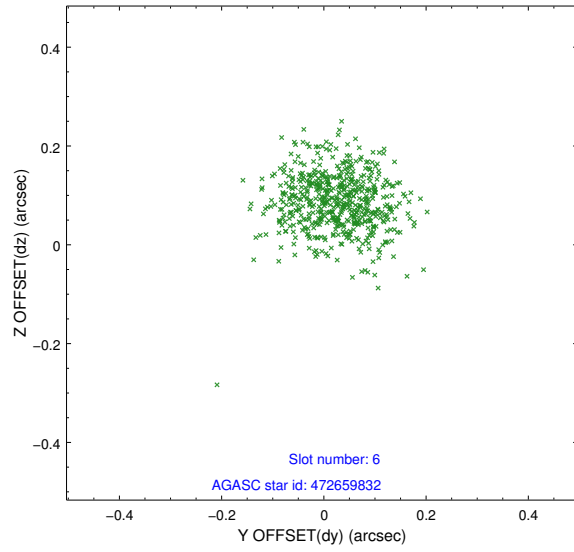
2.4.2 Slot 4



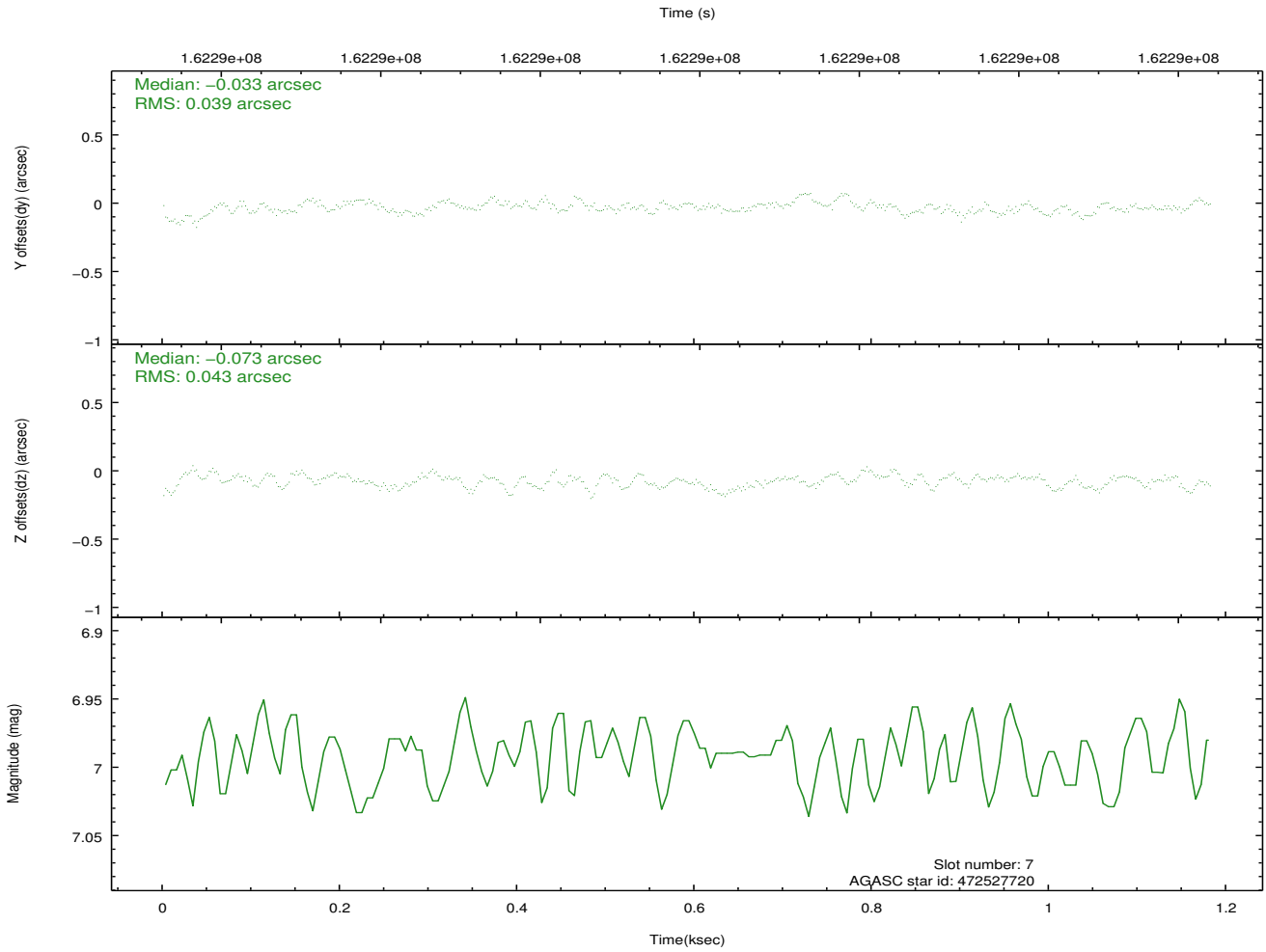
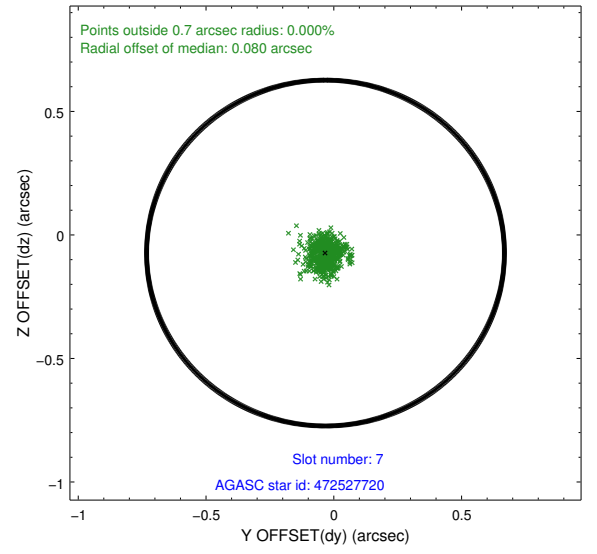
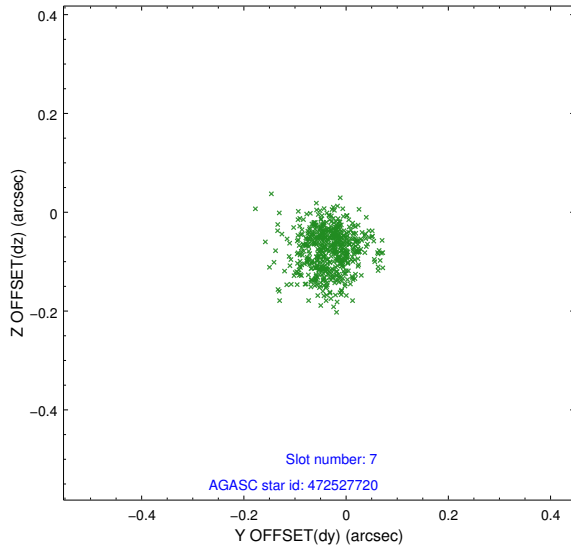
2.4.3 Slot 5



2.4.4 Slot 6

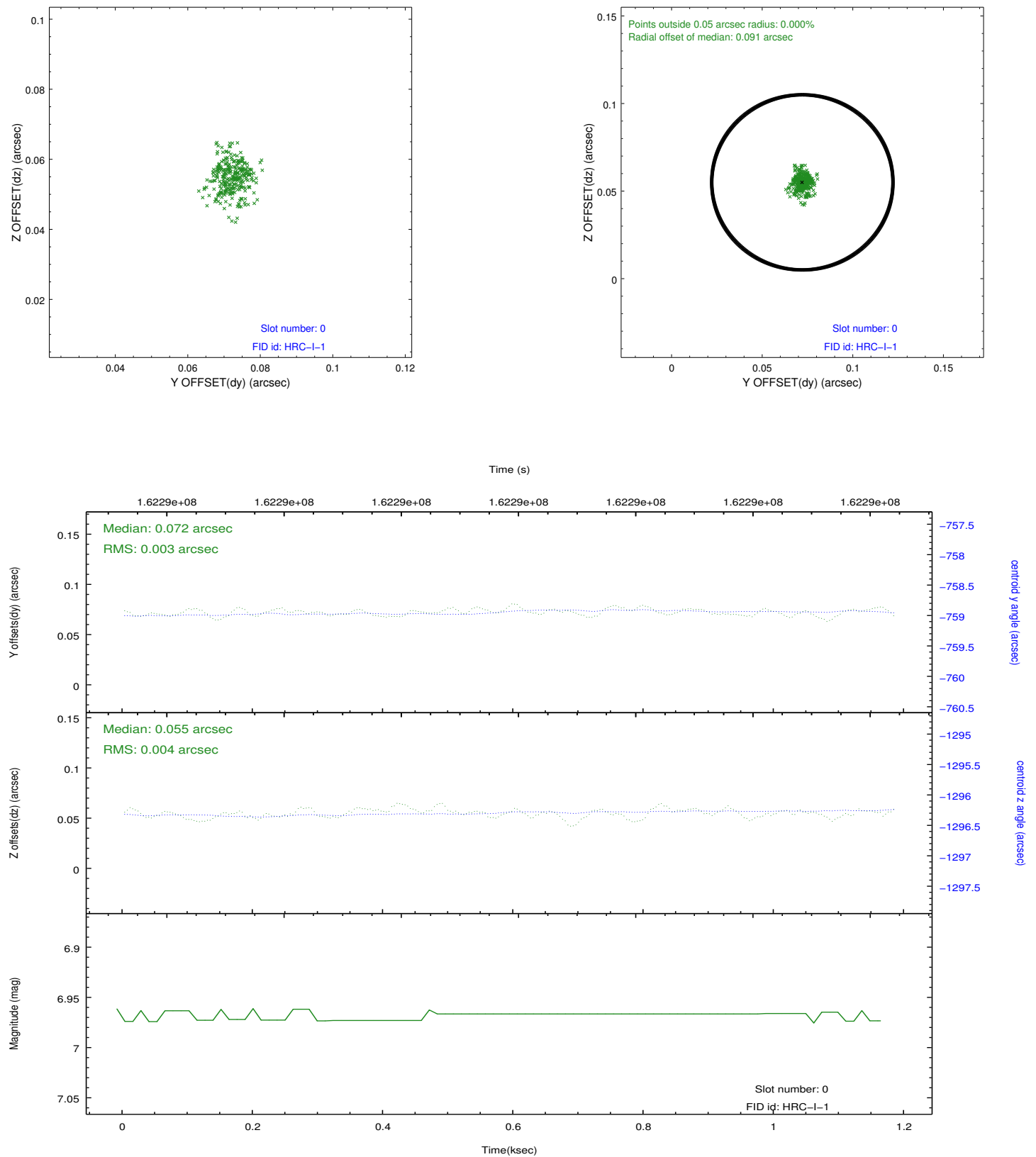


2.4.5 Slot 7

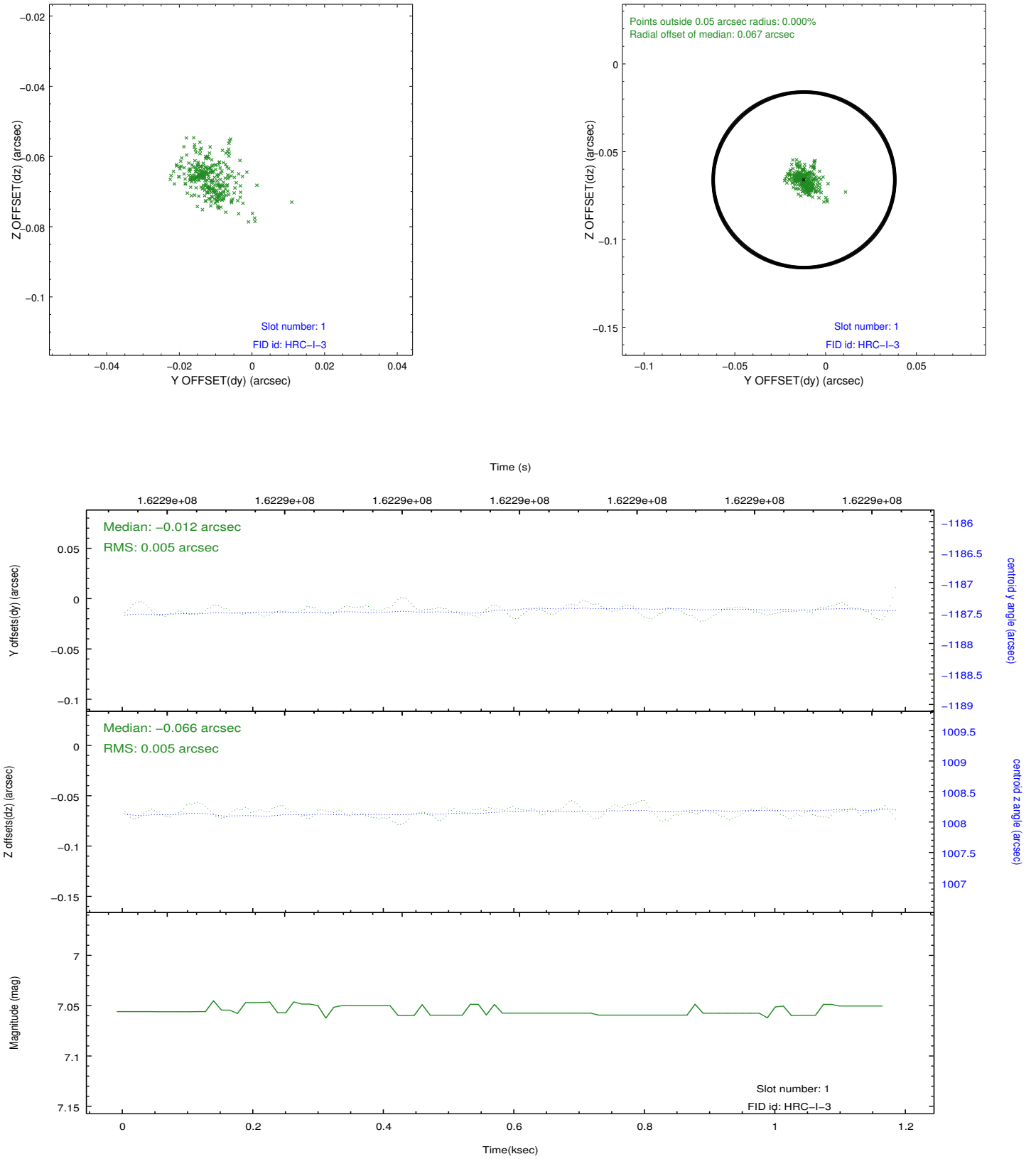


2.5 FID Slots

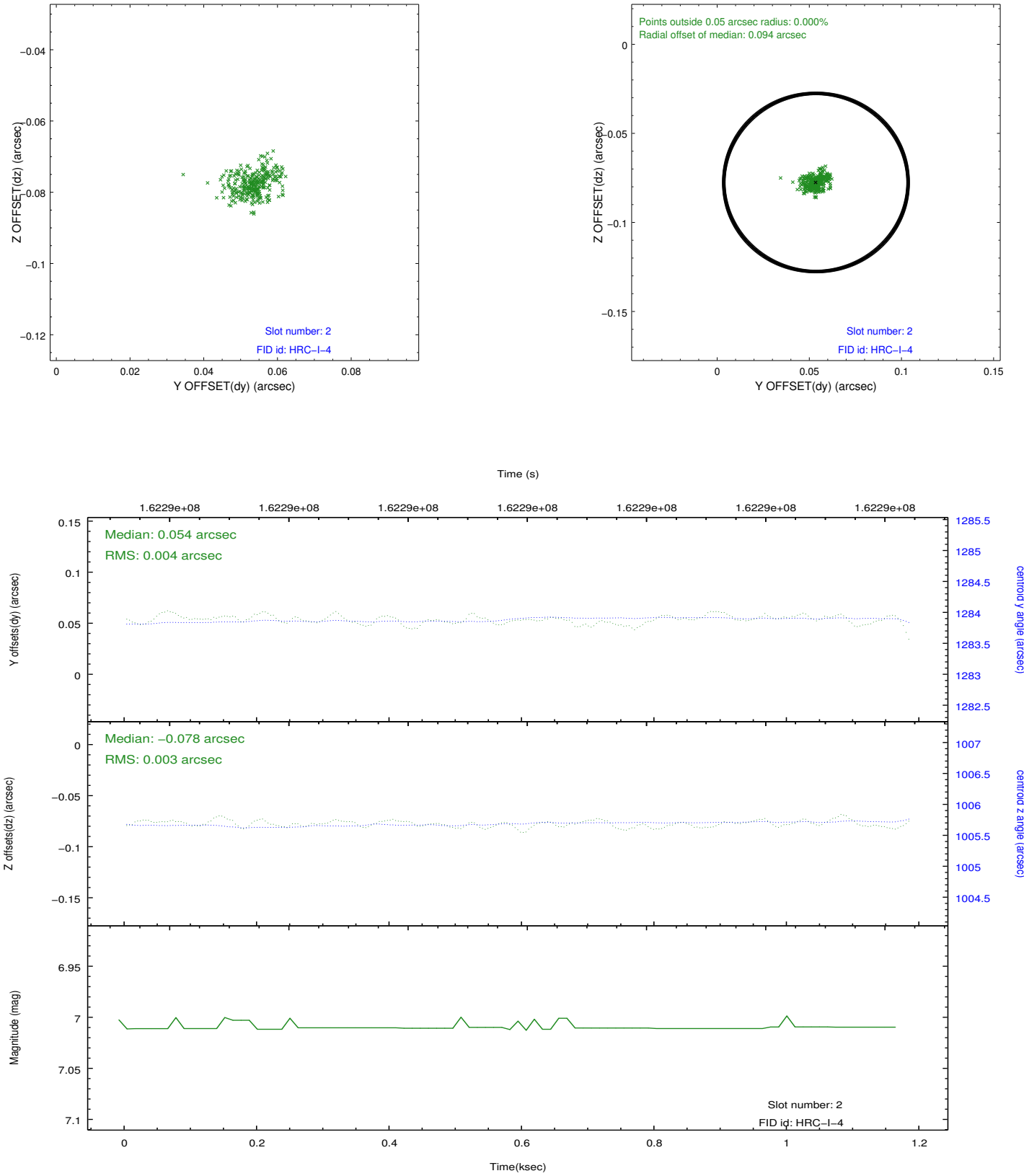
2.5.1 Slot 0



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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.894

A.2 Comments

Window constraint met.