

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 998 - L2 Version 5
Chandra X-Ray Center

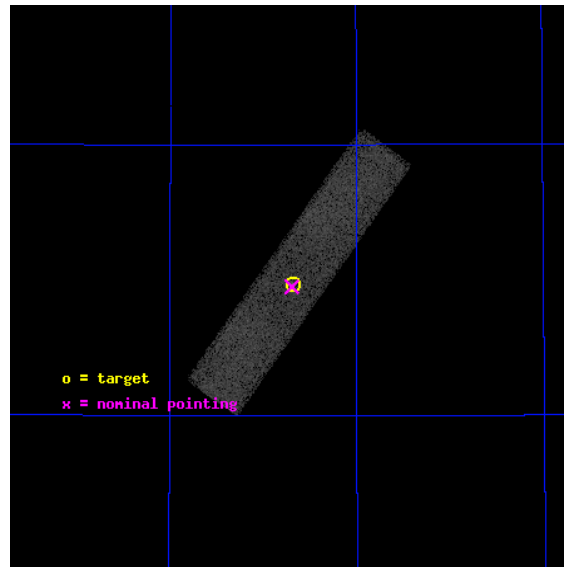
L2 Processing Date : Sep 4 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

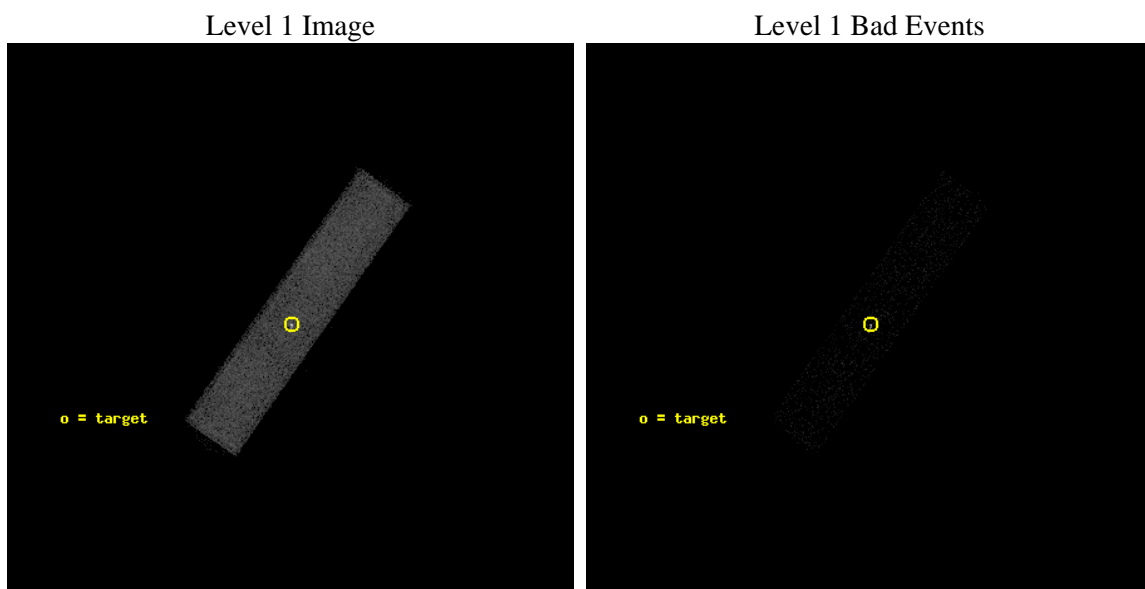
seq_num	290079	Sequence number
obs_id	998	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17300060977	Nominal RA [deg]
dec_nom	45.738305078912	Nominal Dec [deg]
roll_nom	305.08602679109	Nominal Roll [deg]
revision	5	Processing version of data
ontime	820.25628139079	[s]
livetime	814.42316208811	Ontime multiplied by DTCOR
l2events	40337	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	820.25628139079	[s]
caldbver	4.5.1.1	 	l1events	55753	Number of level 1 events
date	2012-09-05T01:19:04	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

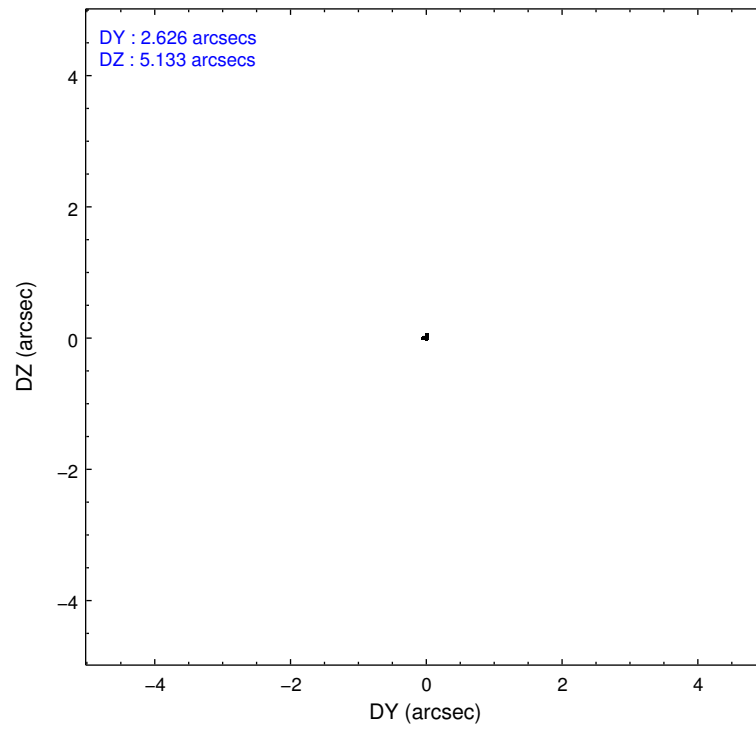
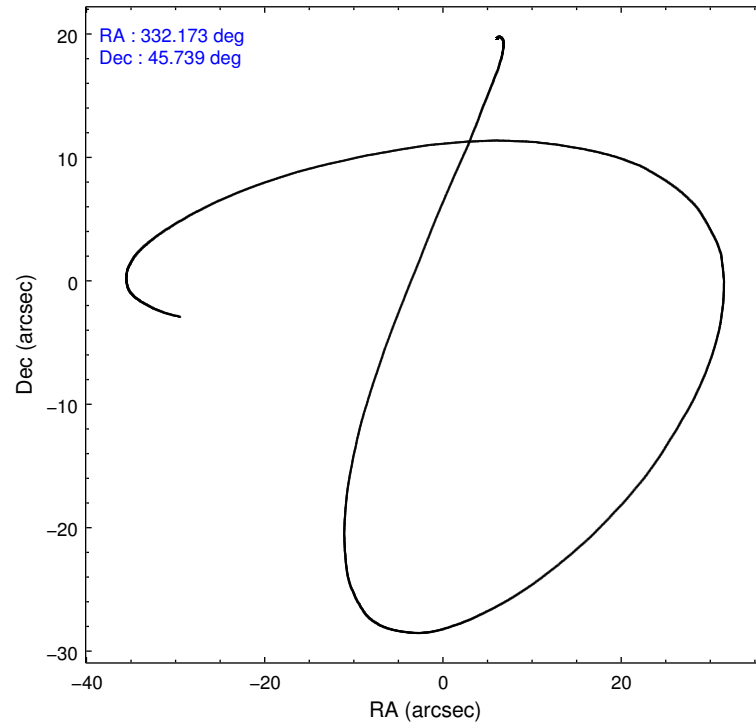
Level 1 Events

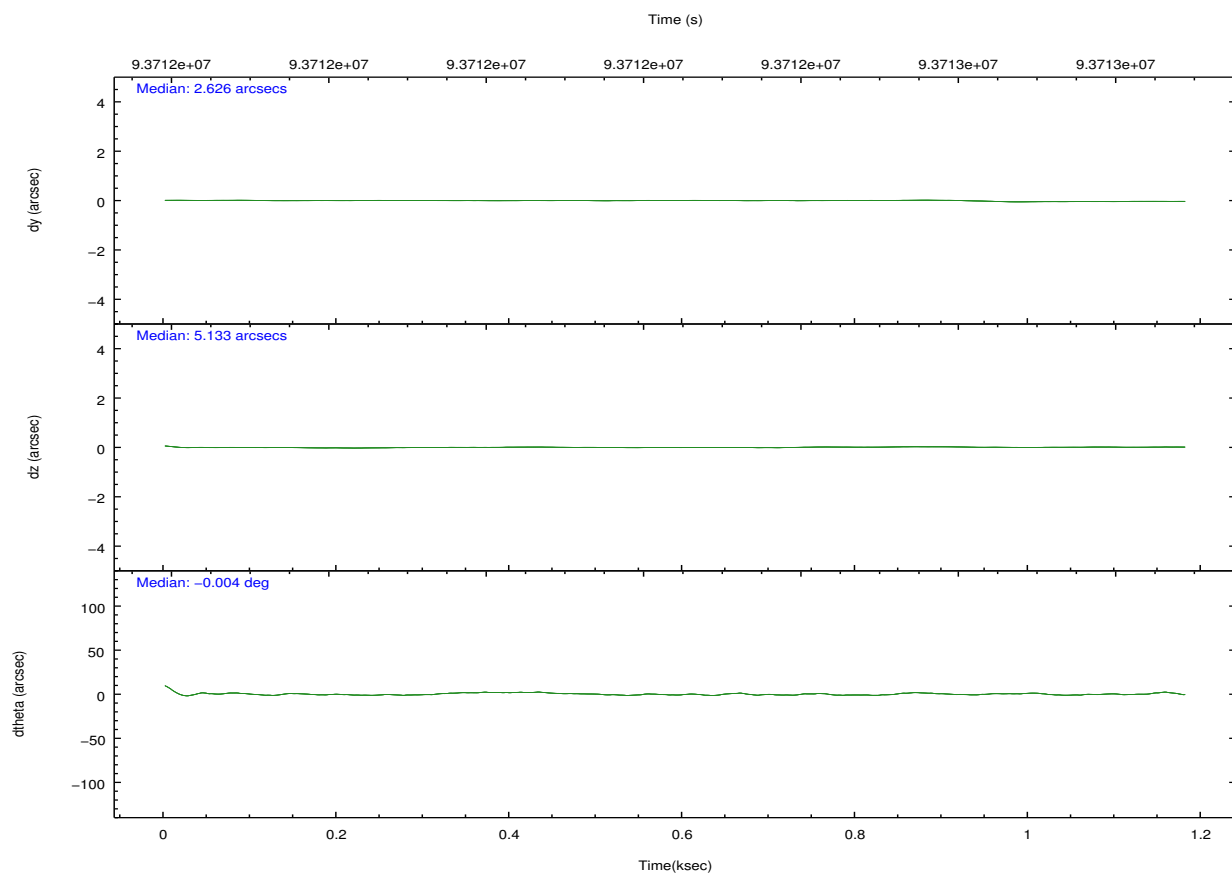
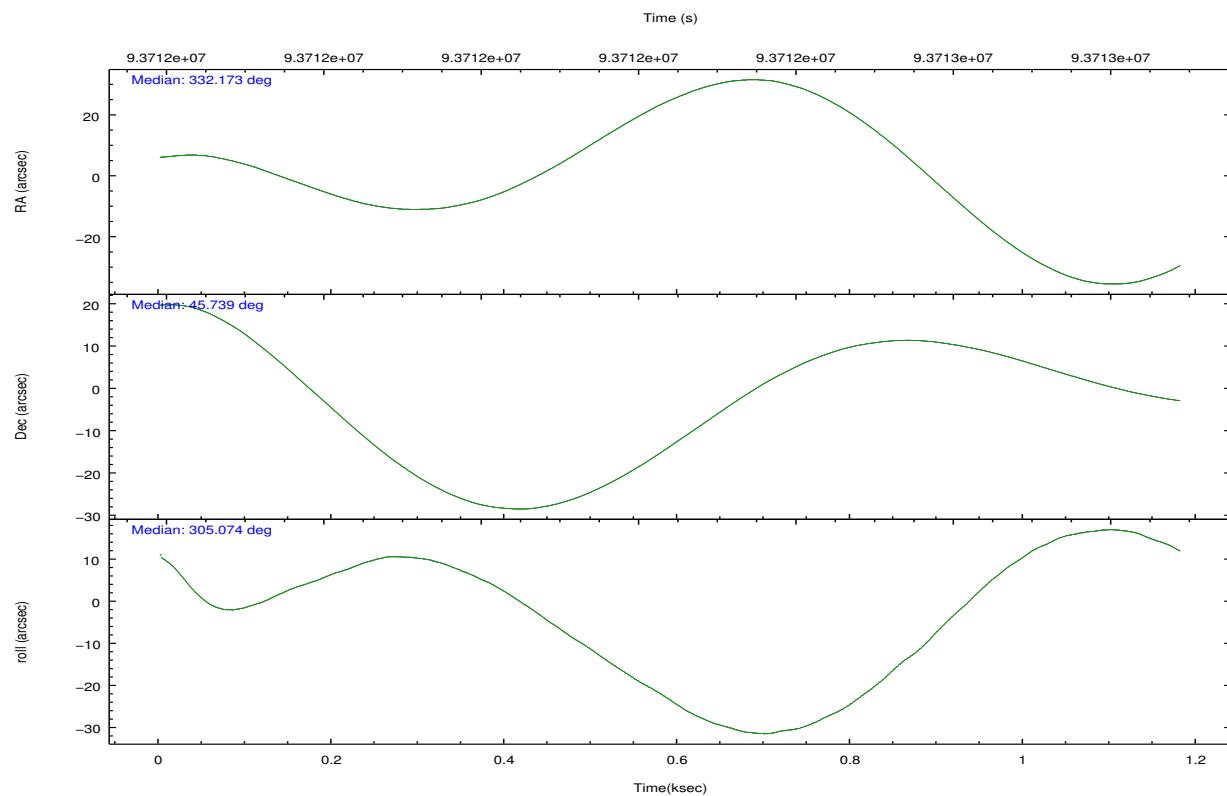
	segment 1	segment 2	segment 3
level 1 events	0	55753	0
rejected events	0	8437	0
rejected %	0%	15%	0%

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	332.135708	332.1730006097694			
[deg] Pointing Dec	45.749142	45.73830507891227			
[deg] Pointing Roll	305.045233	305.0860267910942			
[s] Window start time (MET)	89424064.184000	89424064.184000			
[s] Window stop time (MET)	94608064.184000	94608064.184000			
[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)	93711832.184000	93711161.751132			
Observation start date	2000-12-20T15:02:48	2000-12-20T14:52:41			
[s] Observation end time (MET)	93712832.184000	93712965.75120001			
Observation end date	2000-12-20T15:19:28	2000-12-20T15:22:45			

2.3 Aspect



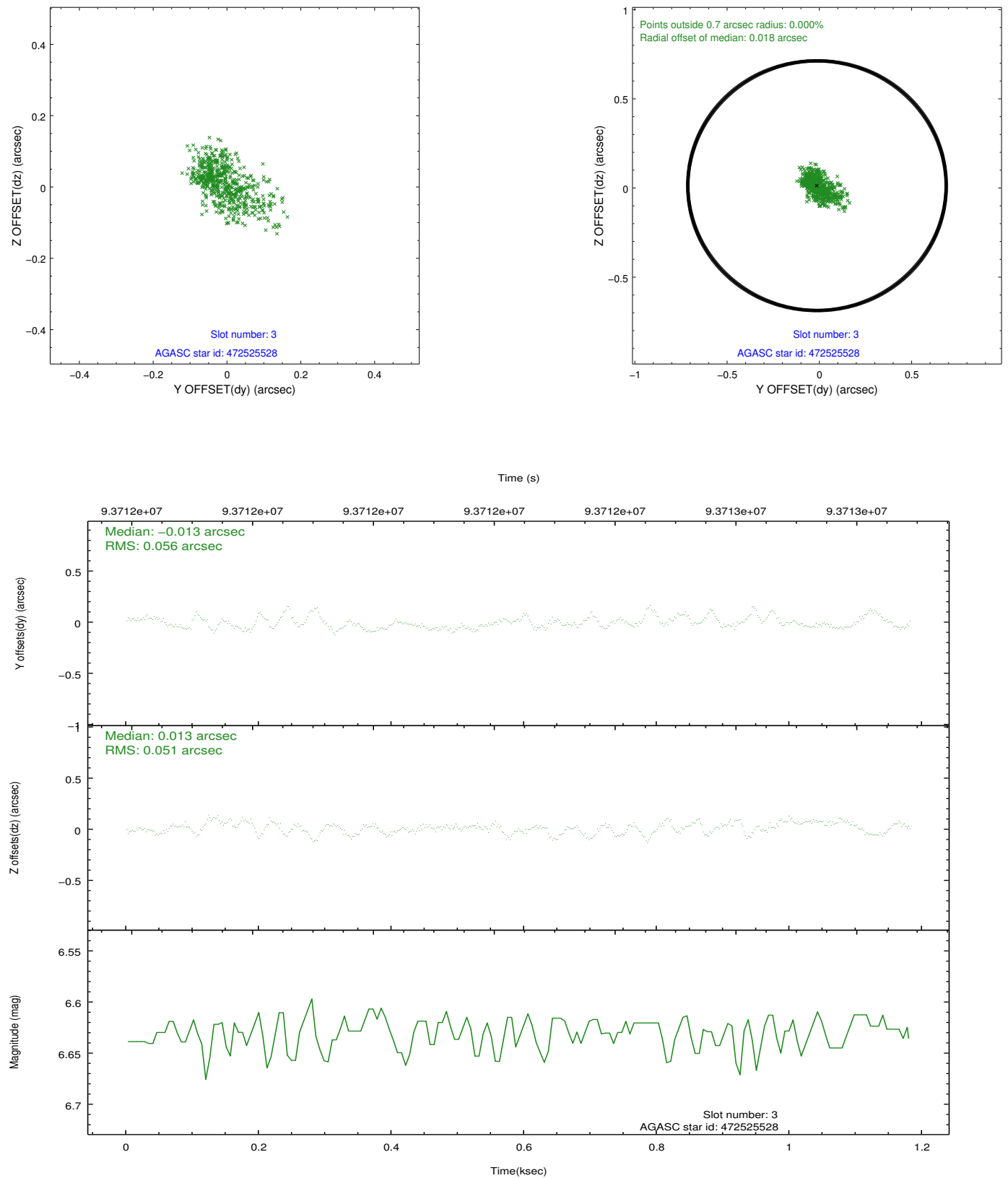


Slot Statistics

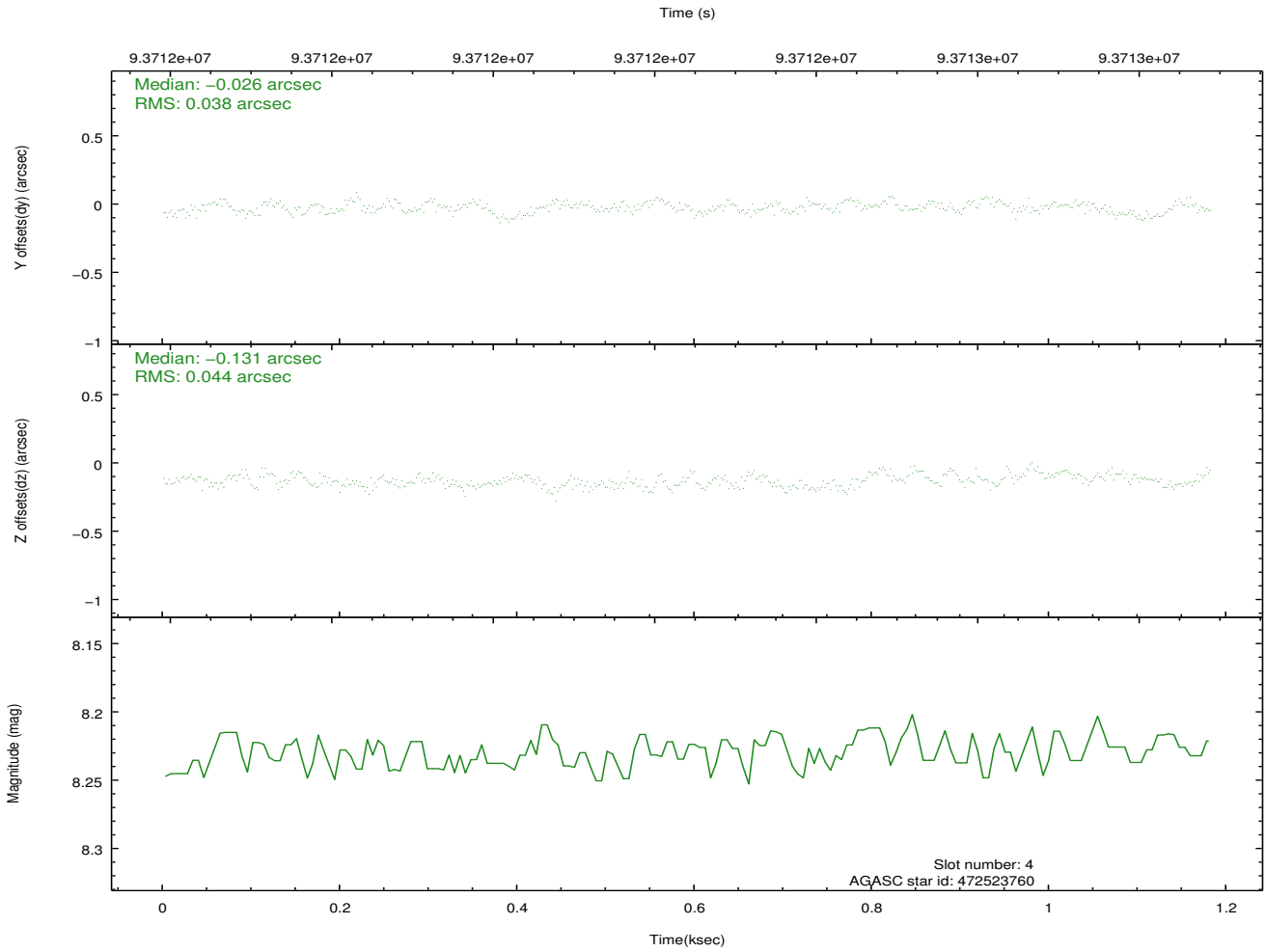
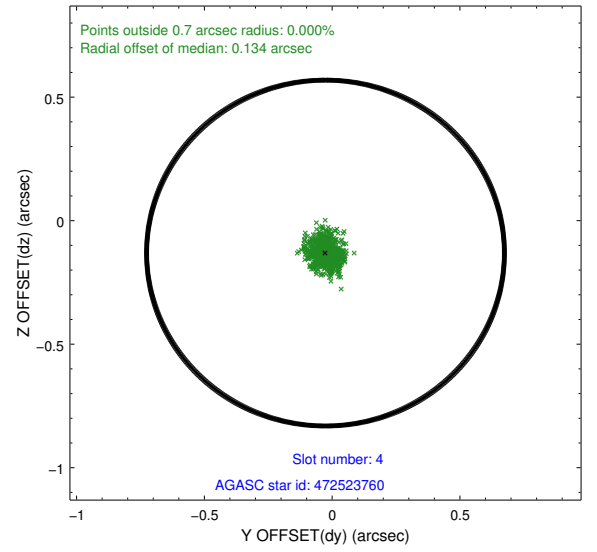
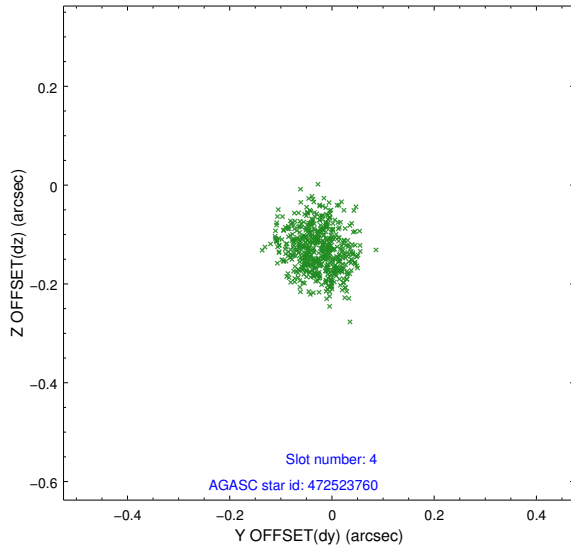
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	288	0.119	-0.157	0.008	0.013	0.000000	0.000000	-1156.67	-453.67
1	FID	HRC-S-3	7.00	288	0.145	-0.044	0.008	0.015	0.000000	0.000000	-1163.39	574.39
2	FID	HRC-S-4	6.93	288	0.124	-0.095	0.005	0.010	0.000000	0.000000	1237.55	580.50
3	GUIDE	472525528	6.63	577	-0.013	0.013	0.077	0.139	331.551102	45.248694	620.98	-2244.00
4	GUIDE	472523760	8.23	577	-0.026	-0.131	0.063	0.096	331.645363	45.403260	306.80	-1731.13
5	GUIDE	472665256	9.01	577	-0.097	-0.083	0.088	0.168	332.808125	46.195041	-357.15	2294.85
6	GUIDE	472659832	9.47	577	0.045	0.098	0.101	0.166	332.780399	46.098139	-110.08	2047.16
7	GUIDE	472655152	9.43	576	0.084	0.118	0.097	0.150	332.504239	45.862991	193.64	997.00

2.4 Star Slots

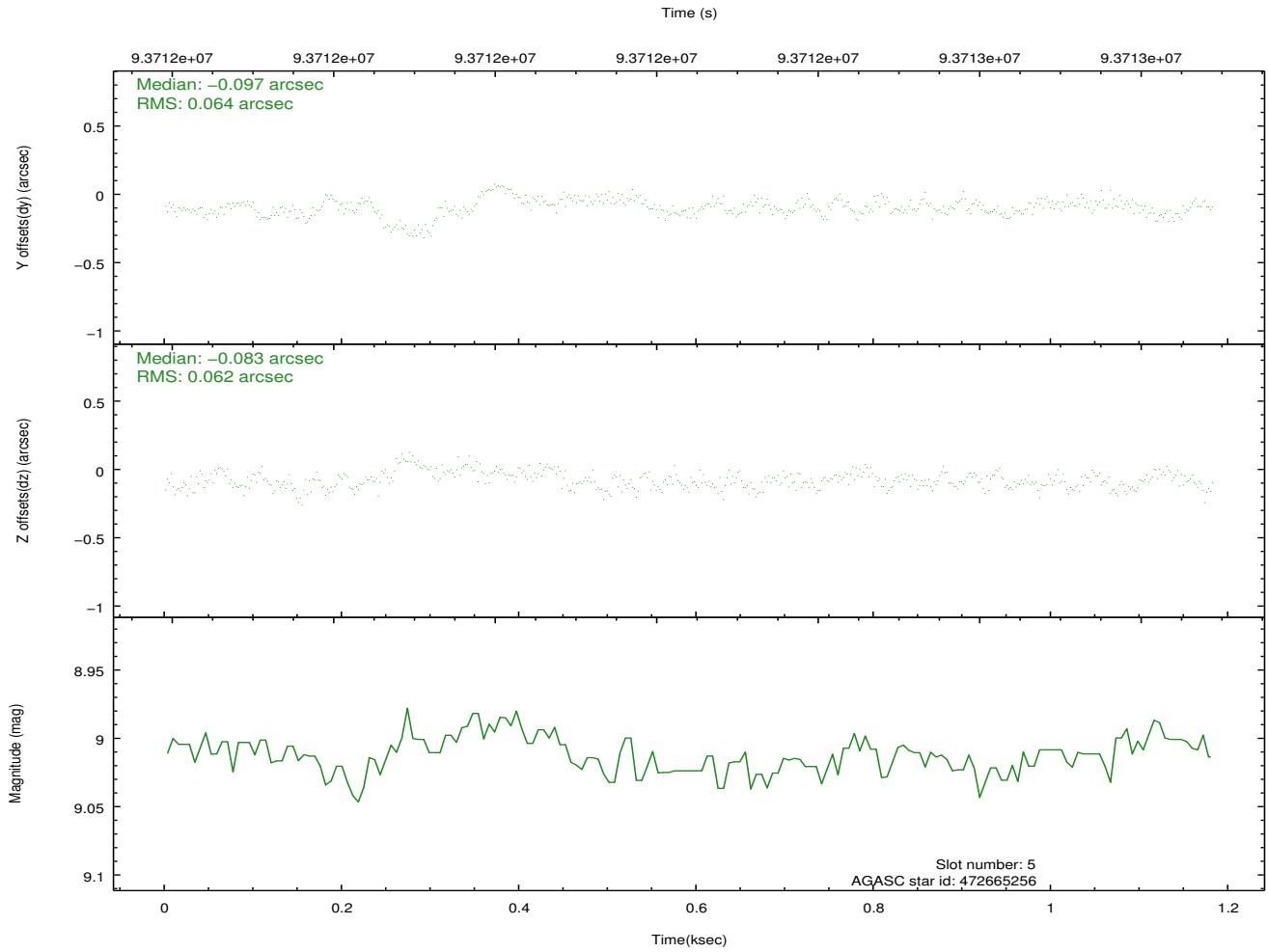
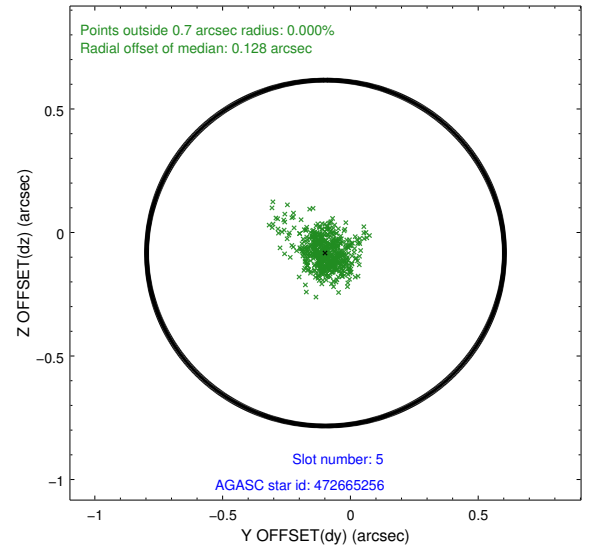
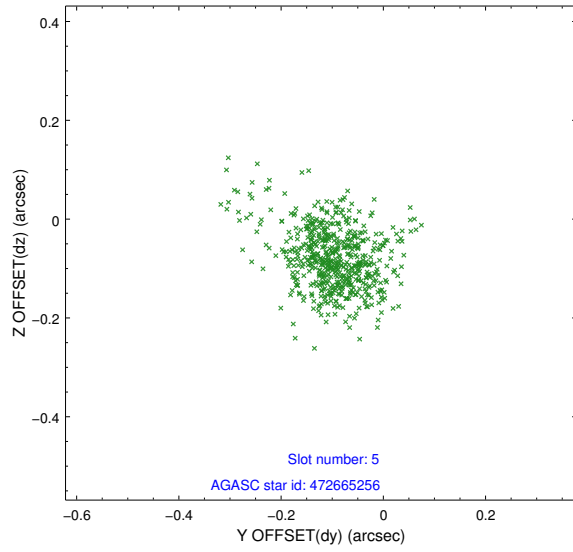
2.4.1 Slot 3



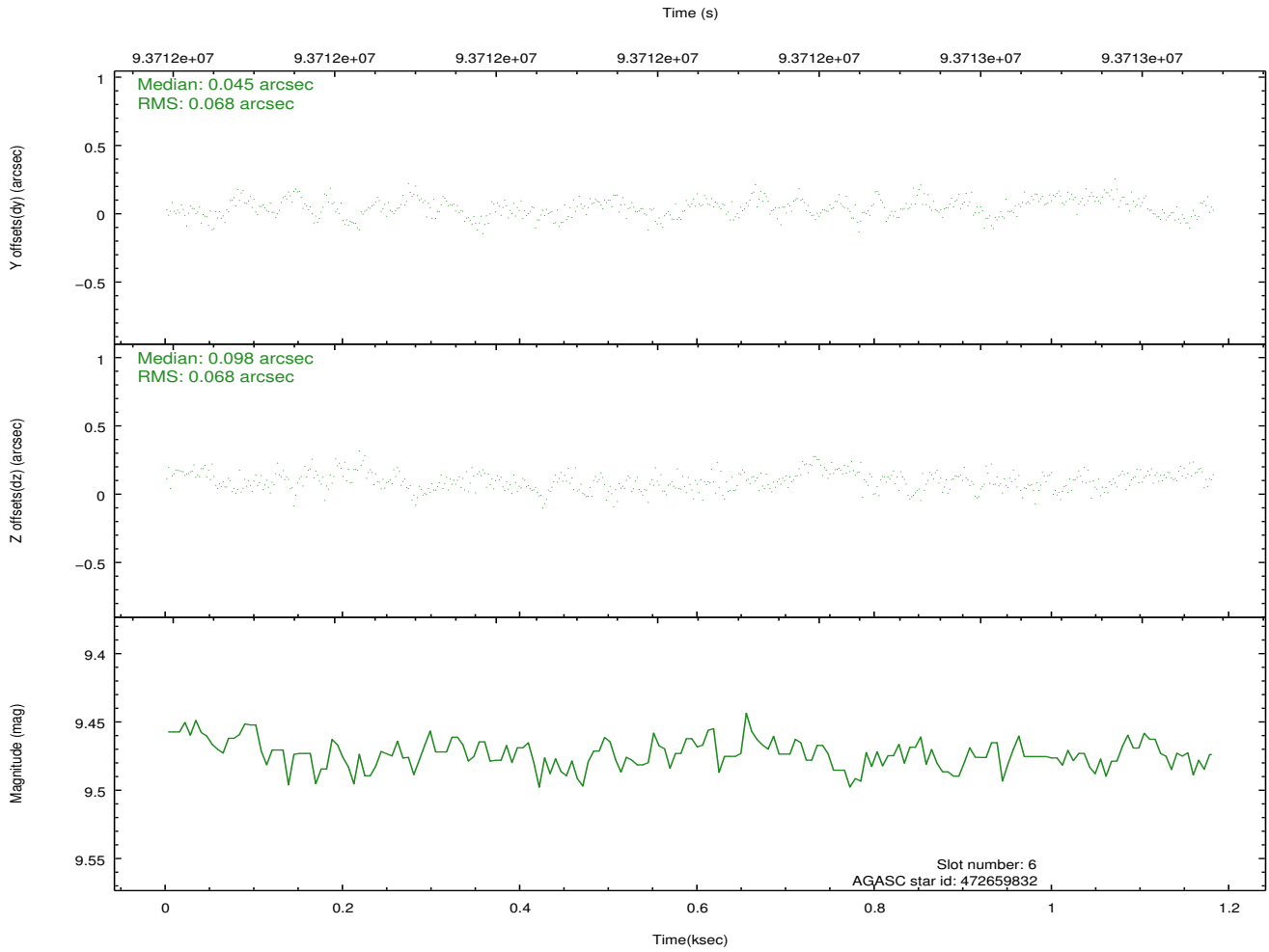
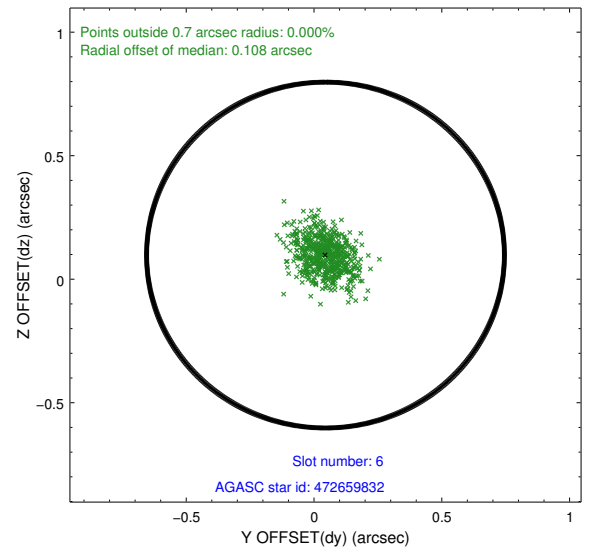
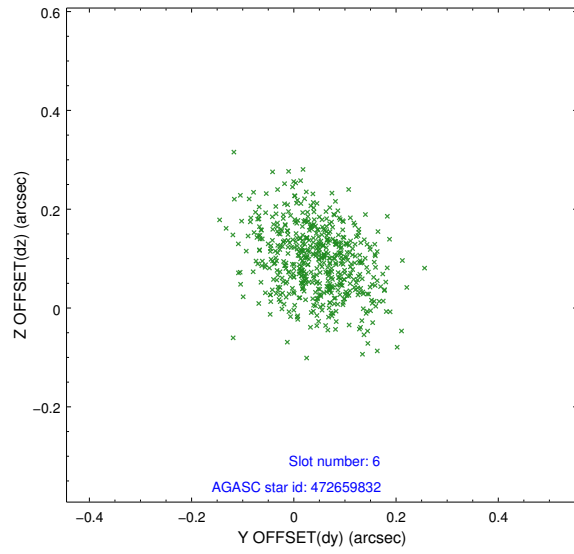
2.4.2 Slot 4



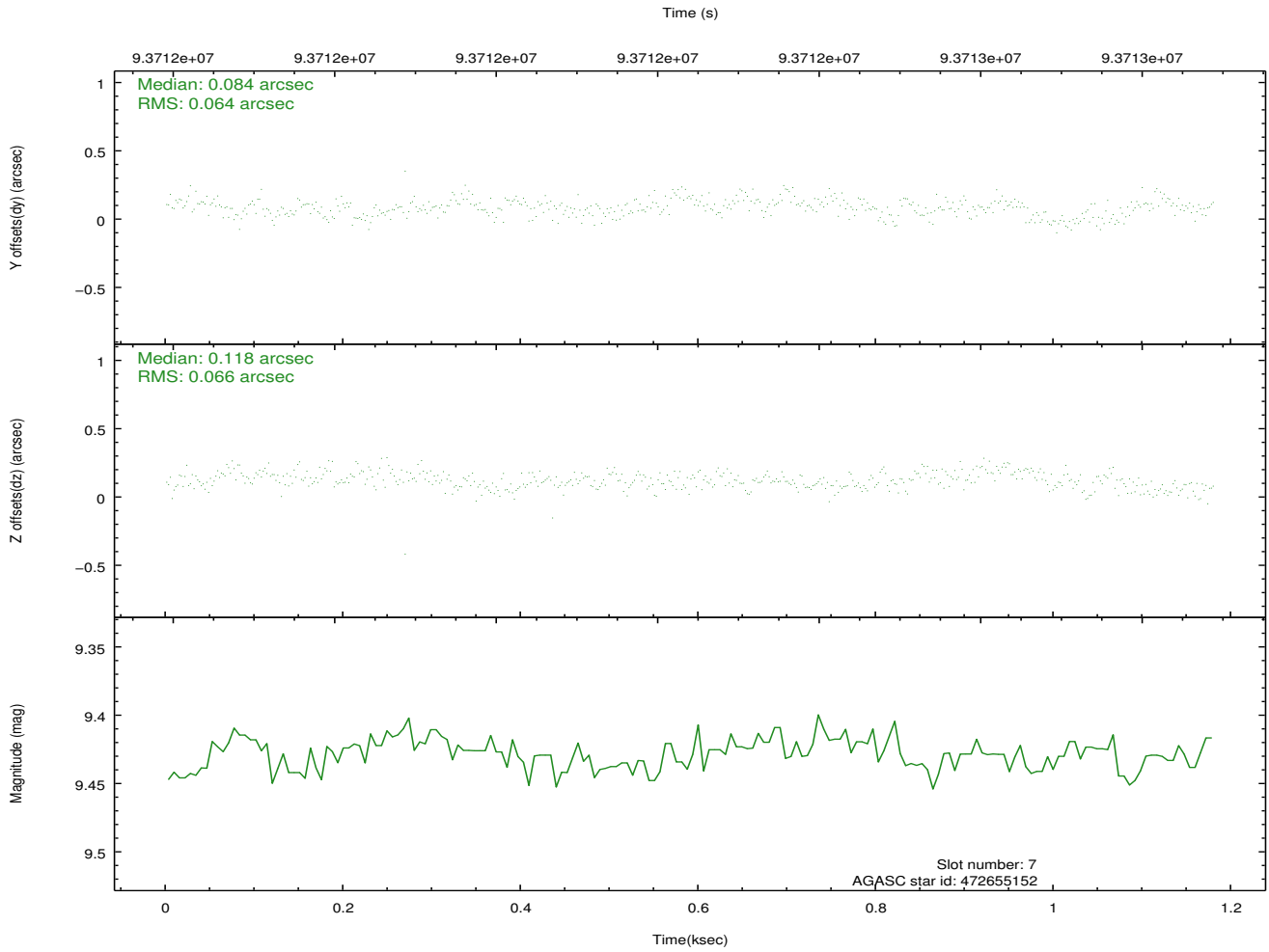
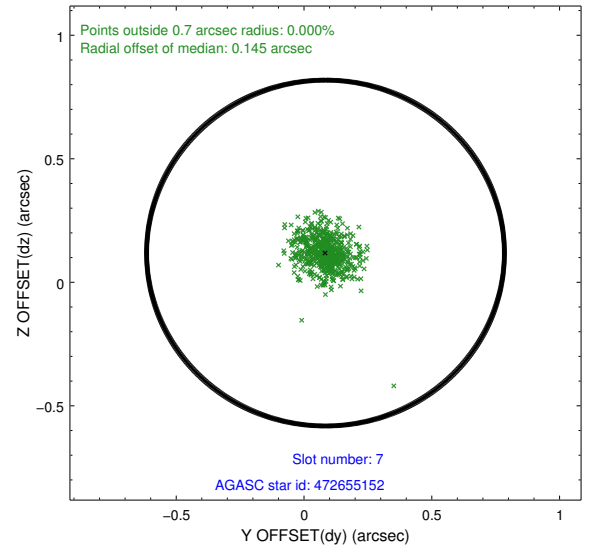
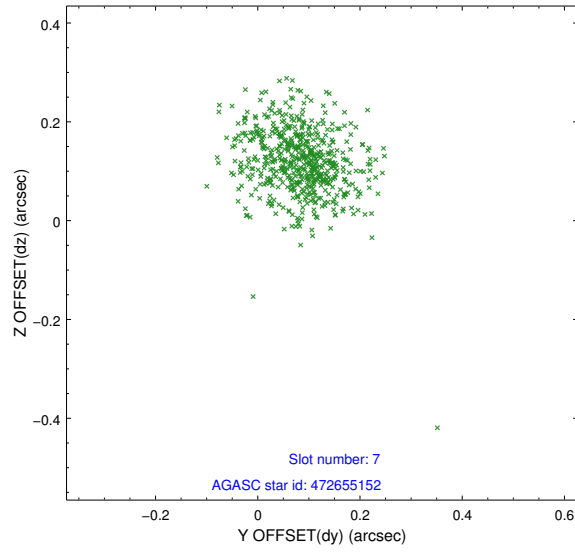
2.4.3 Slot 5



2.4.4 Slot 6

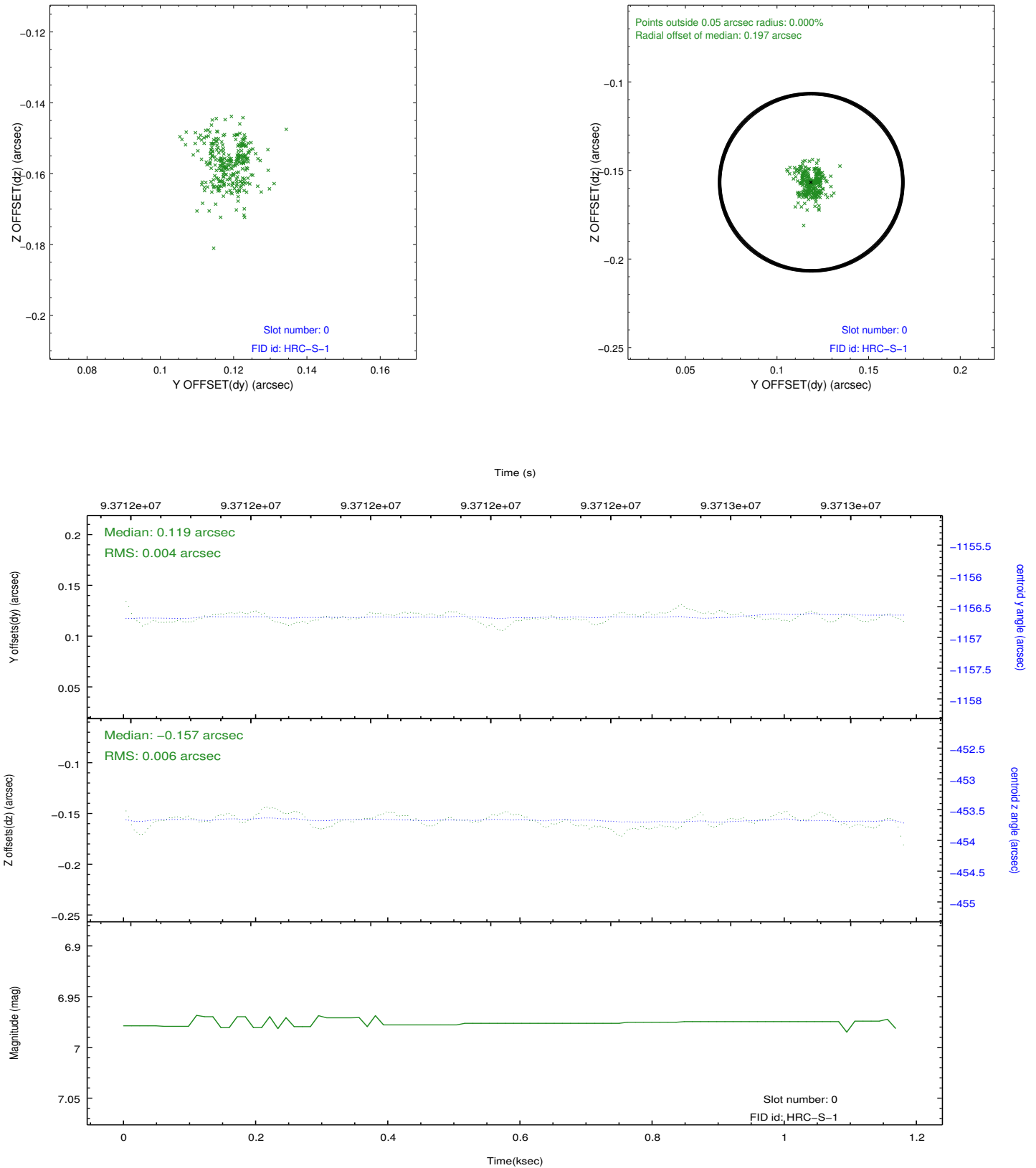


2.4.5 Slot 7

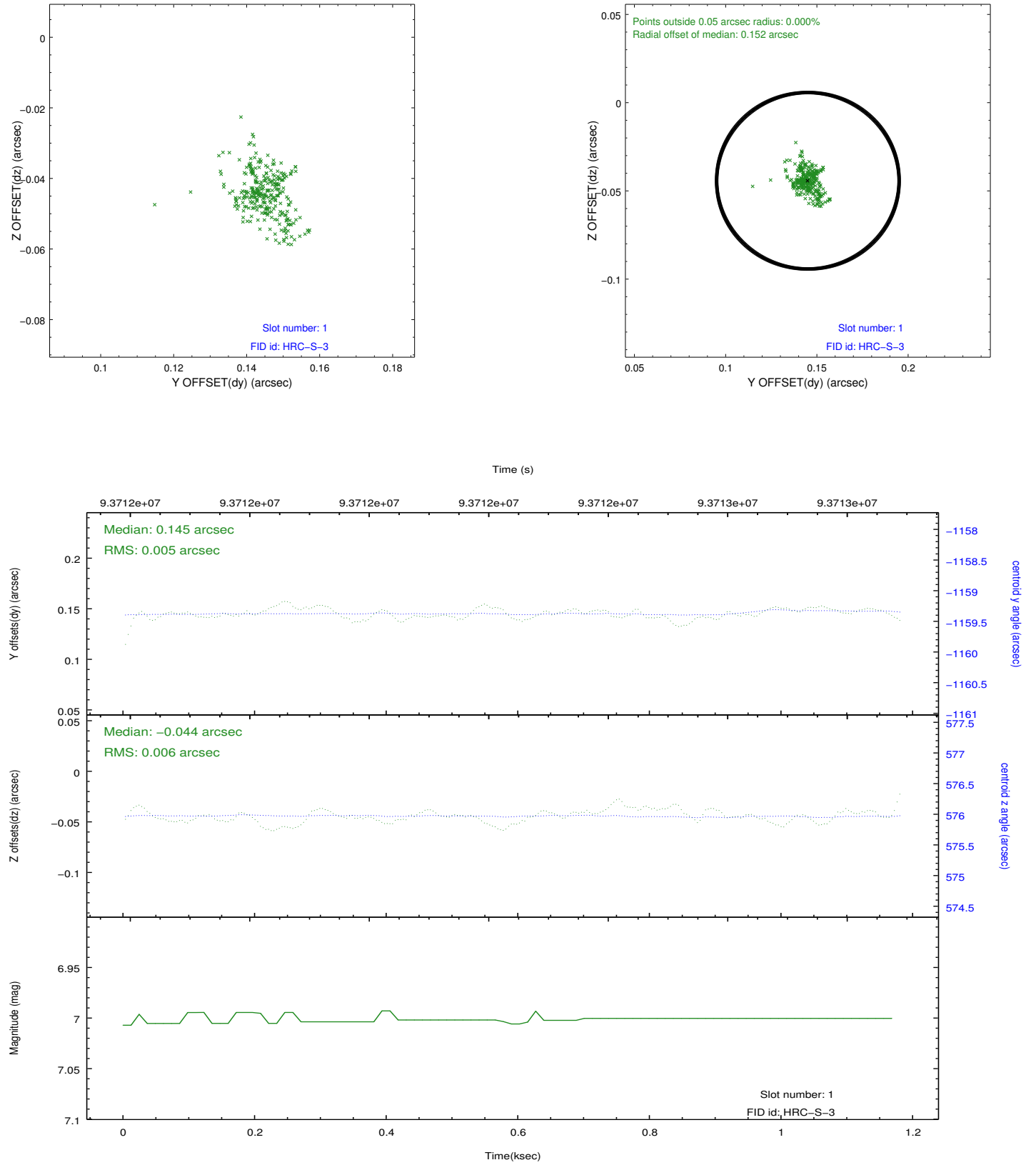


2.5 FID Slots

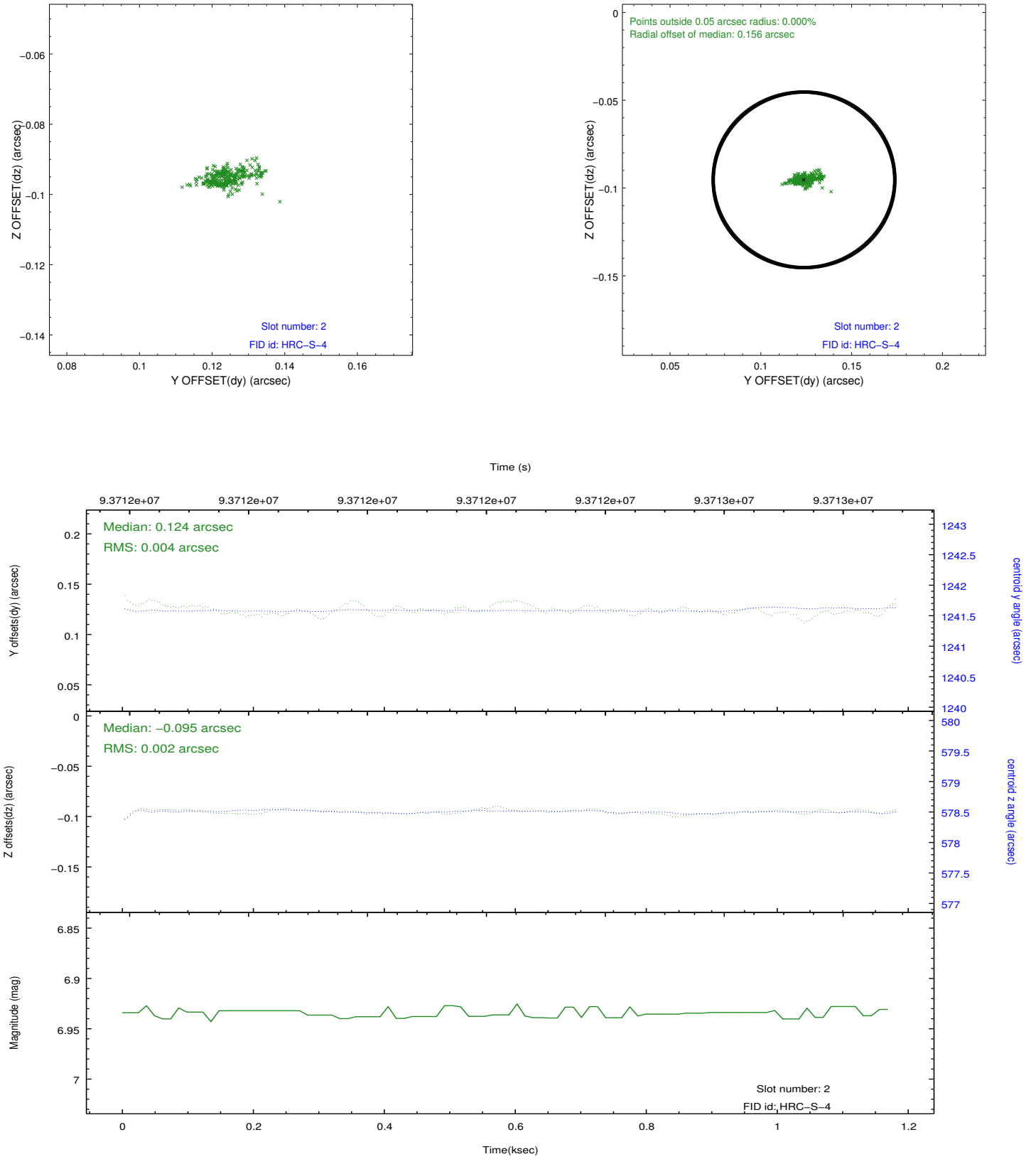
2.5.1 Slot 0



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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.82

A.2 Comments

Window constraint met.