

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9681 - L2 Version 3
Chandra X-Ray Center

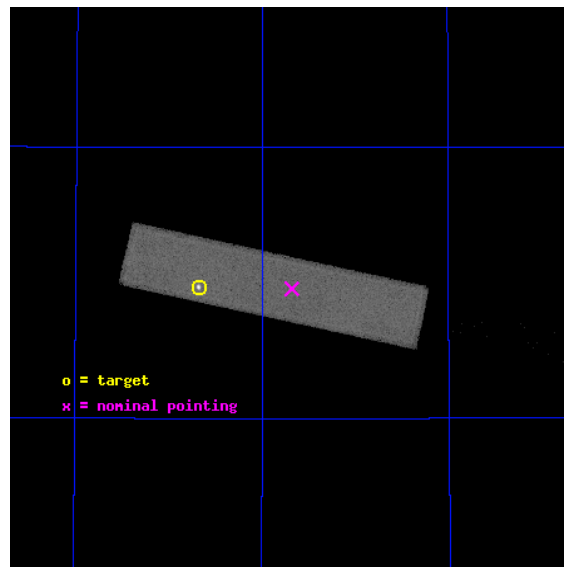
L2 Processing Date : Aug 12 2012

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1 Front

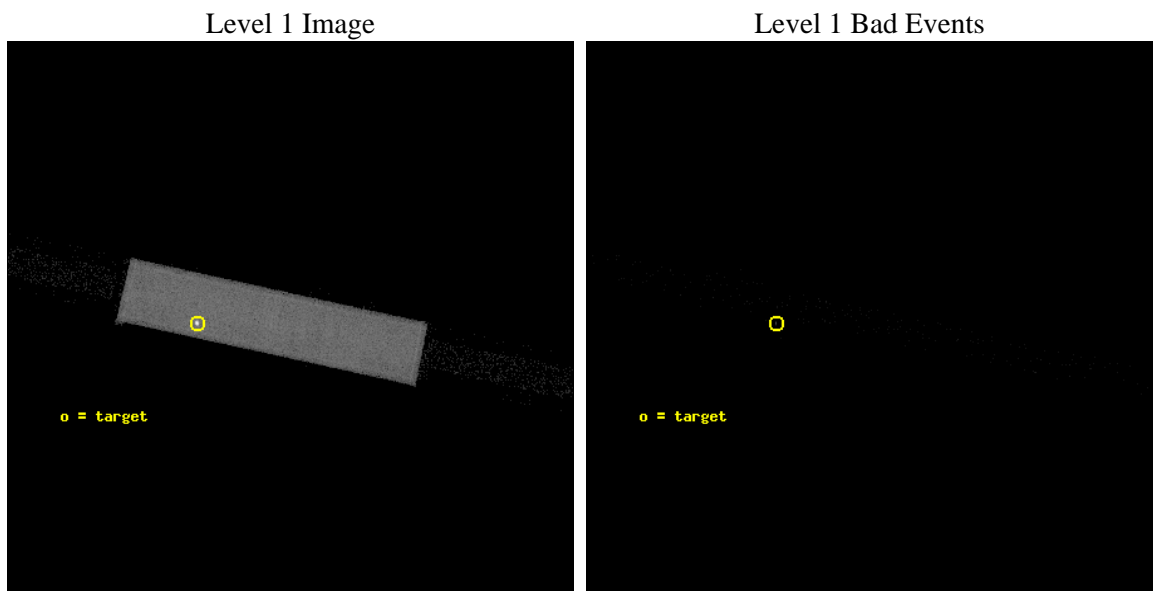
seq_num	290804	Sequence number
obs_id	9681	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.92000431353	Nominal RA [deg]
dec_nom	45.739462733827	Nominal Dec [deg]
roll_nom	192.13229805124	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1740.7063355446	[s]
livetime	1718.4480346177	Ontime multiplied by DTCOR
l2events	134345	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	1180.796000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1740.7063355446	[s]
caldsver	4.5.1.1	 	l1events	177386	Number of level 1 events
date	2012-08-12T18:37:50	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

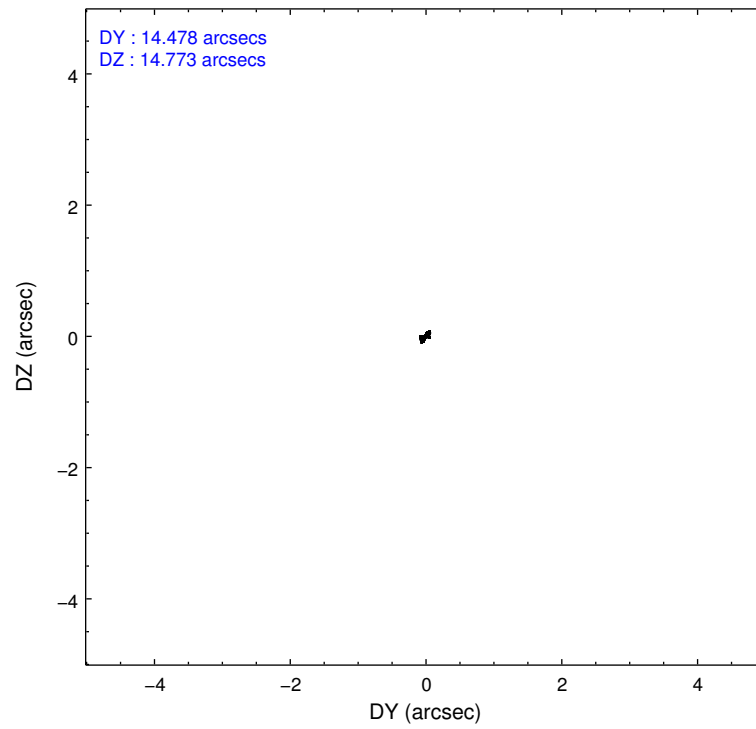
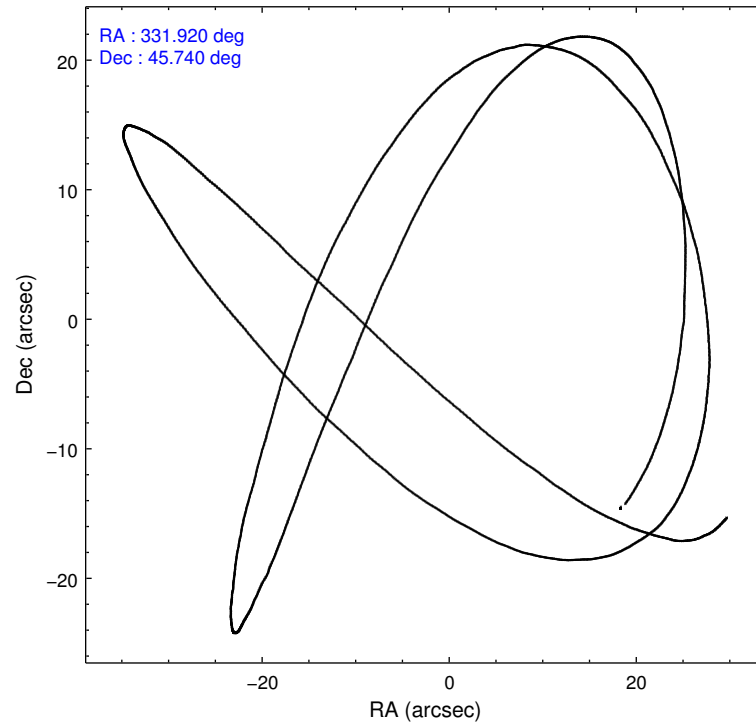
Level 1 Events

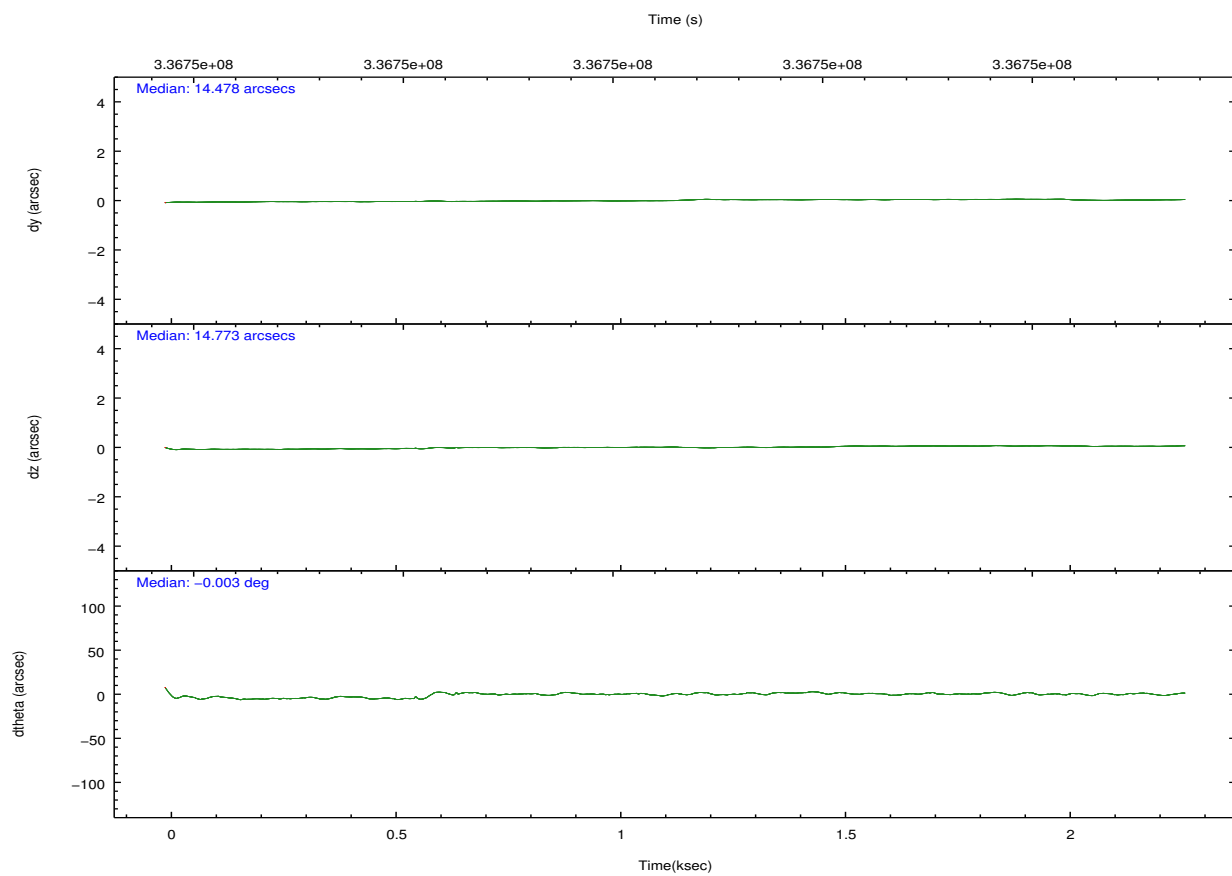
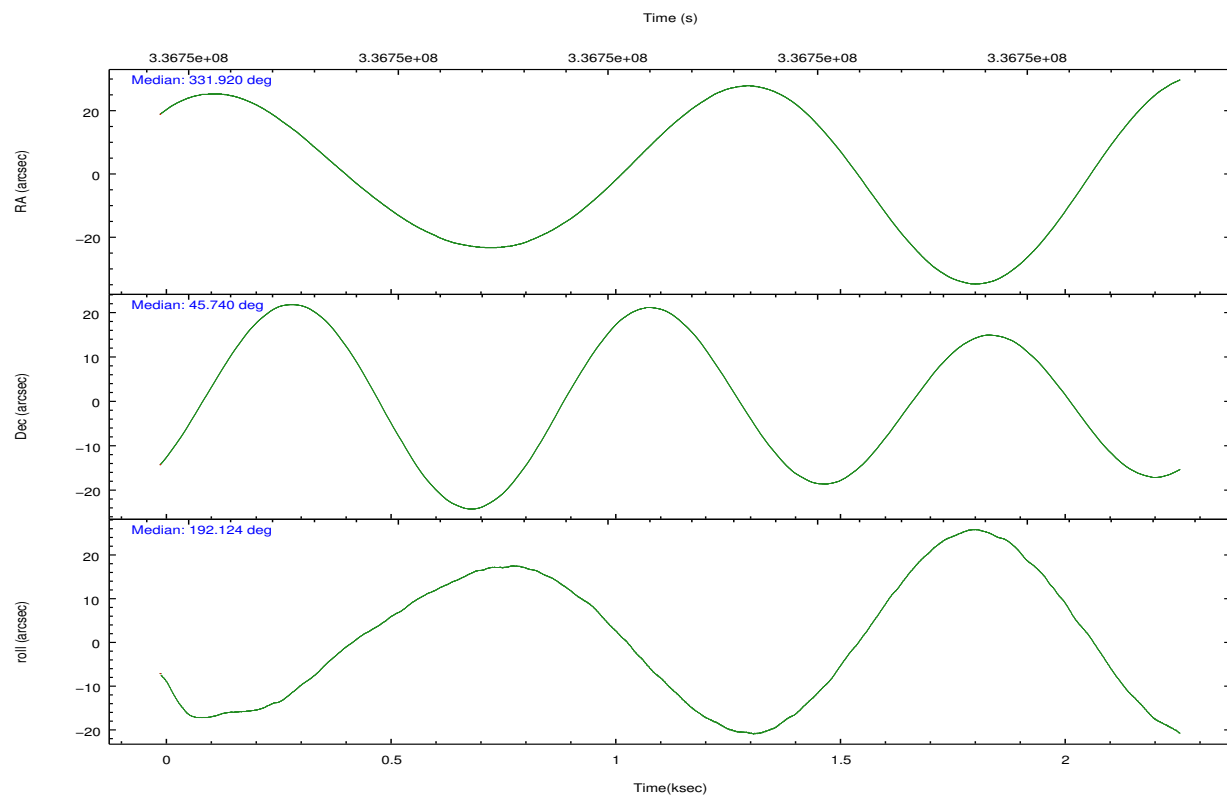
	segment 1	segment 2	segment 3
level 1 events	1092	175207	1087
rejected events	1092	18749	1066
rejected %	100%	10%	98%

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	331.948878	331.9200043135311			
[deg] Pointing Dec	45.759699	45.73946273382696			
[deg] Pointing Roll	192.044265	192.1322980512415			
[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)	336746703.184000	336746326.9969			
Observation start date	2008-09-02T12:43:58	2008-09-02T12:38:46			
[s] Observation end time (MET)	336747883.184000	336749487.07206			
Observation end date	2008-09-02T13:03:38	2008-09-02T13:31:27			

2.3 Aspect



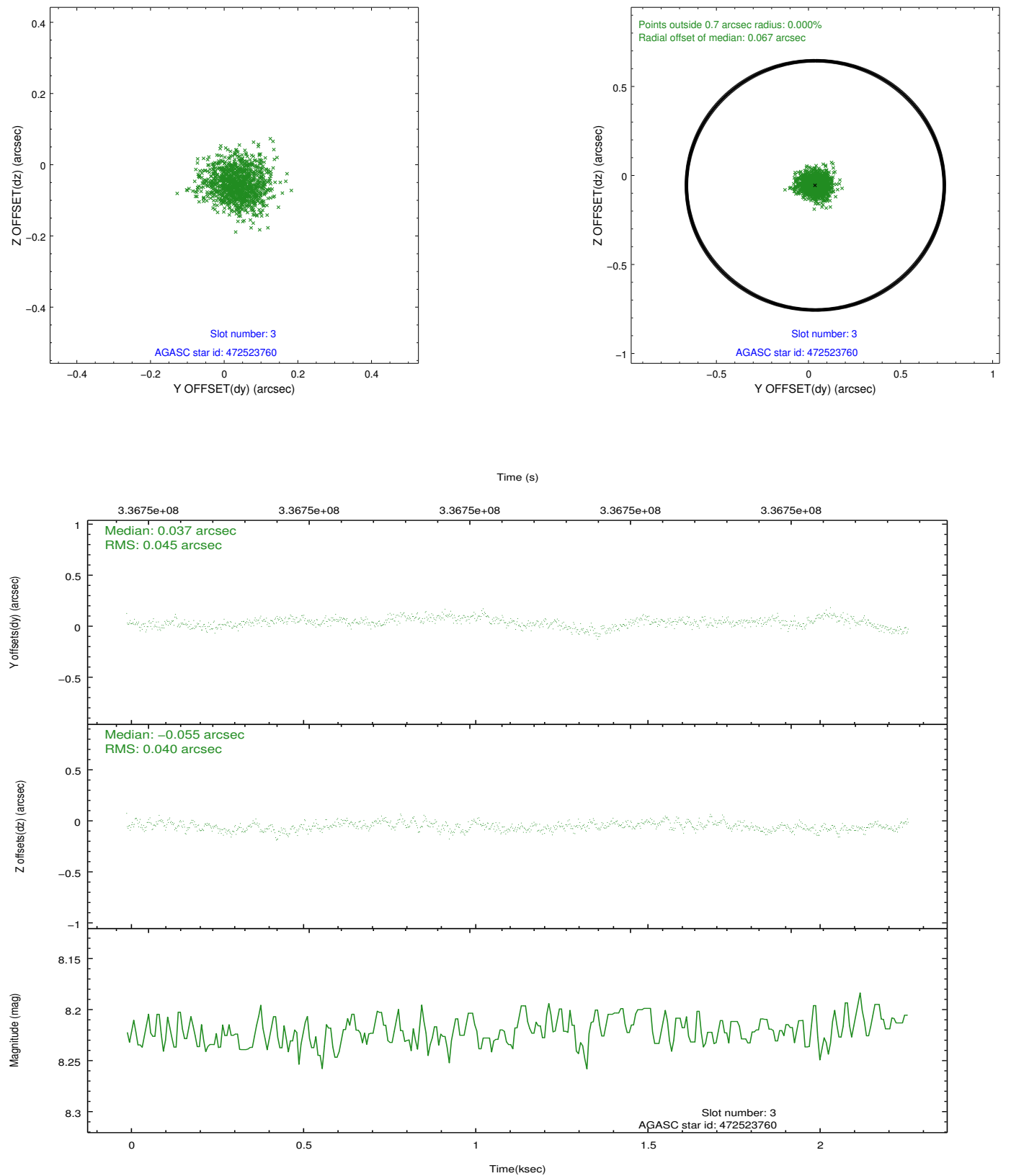


Slot Statistics

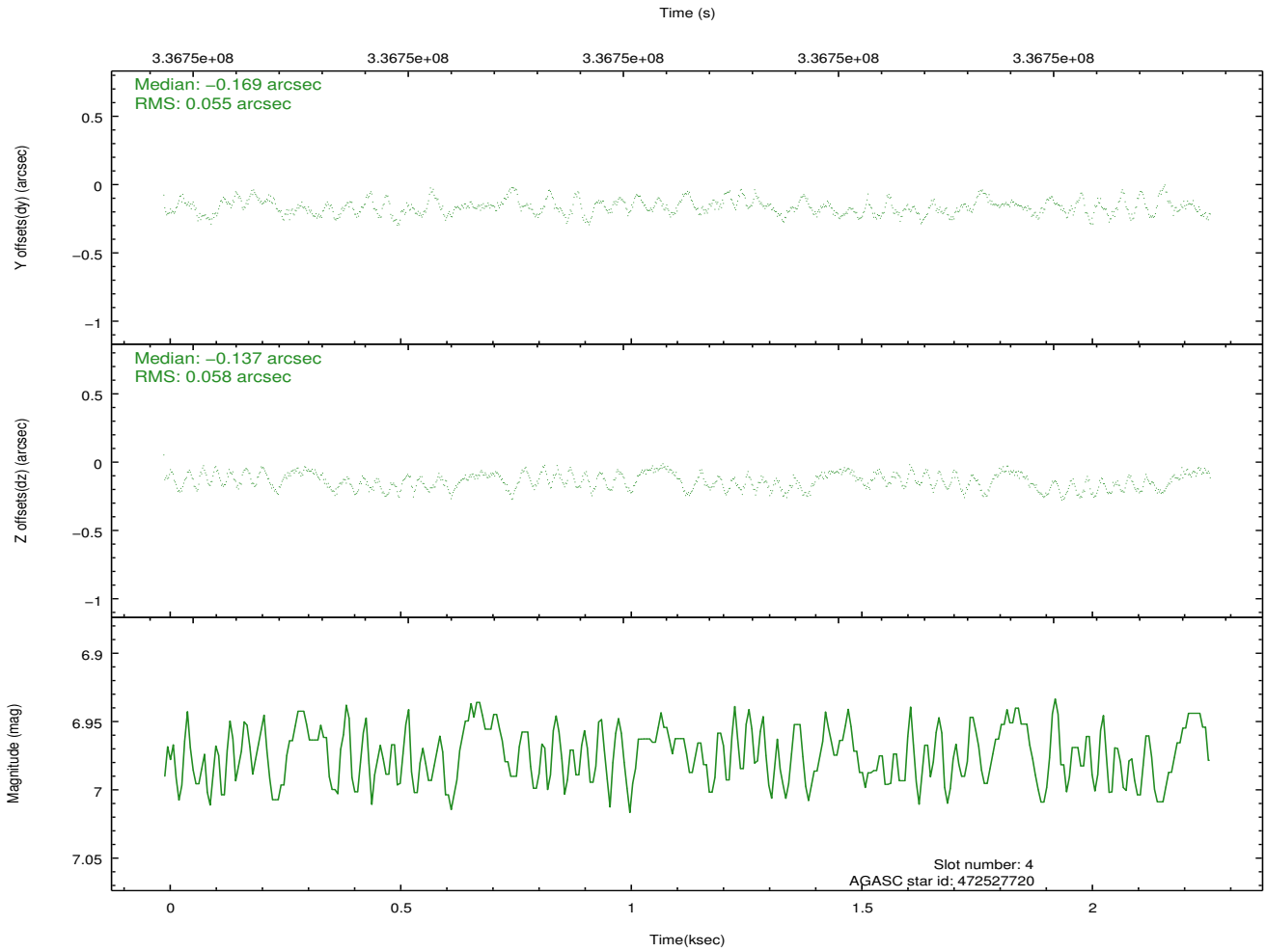
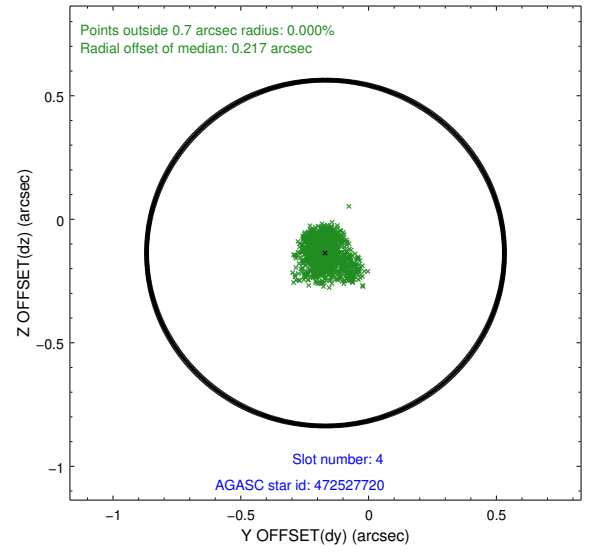
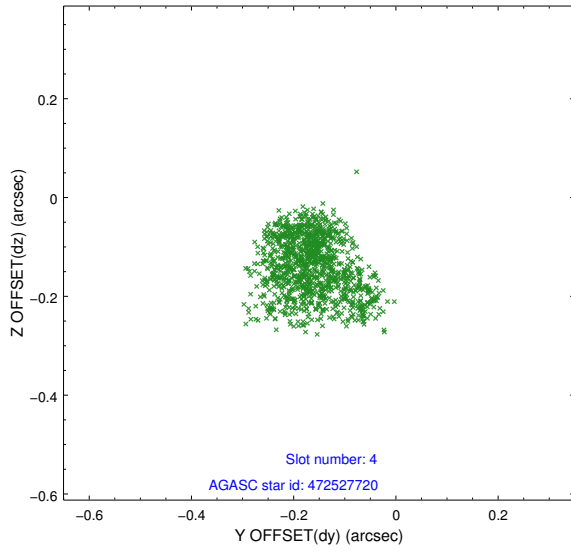
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	554	0.064	-0.230	0.007	0.014	0.000000	0.000000	-1168.88	-463.68
1	FID	HRC-S-3	7.01	554	0.098	0.005	0.010	0.019	0.000000	0.000000	-1173.67	565.24
2	FID	HRC-S-4	6.97	554	0.224	-0.072	0.006	0.012	0.000000	0.000000	1227.41	569.57
3	GUIDE	472523760	8.22	1108	0.037	-0.055	0.065	0.105	331.645363	45.403260	1018.62	1093.88
4	GUIDE	472527720	6.97	1108	-0.169	-0.137	0.087	0.136	331.460205	45.112509	1701.01	2017.29
5	GUIDE	472533912	9.16	1108	0.165	0.004	0.126	0.198	331.791136	46.368695	-71.42	-2224.13
6	GUIDE	472535576	7.86	1108	-0.125	0.072	0.055	0.092	331.438373	46.291802	842.44	-2143.87
7	GUIDE	472655152	9.44	1107	0.088	0.117	0.101	0.166	332.504239	45.862991	-1438.51	-79.47

2.4 Star Slots

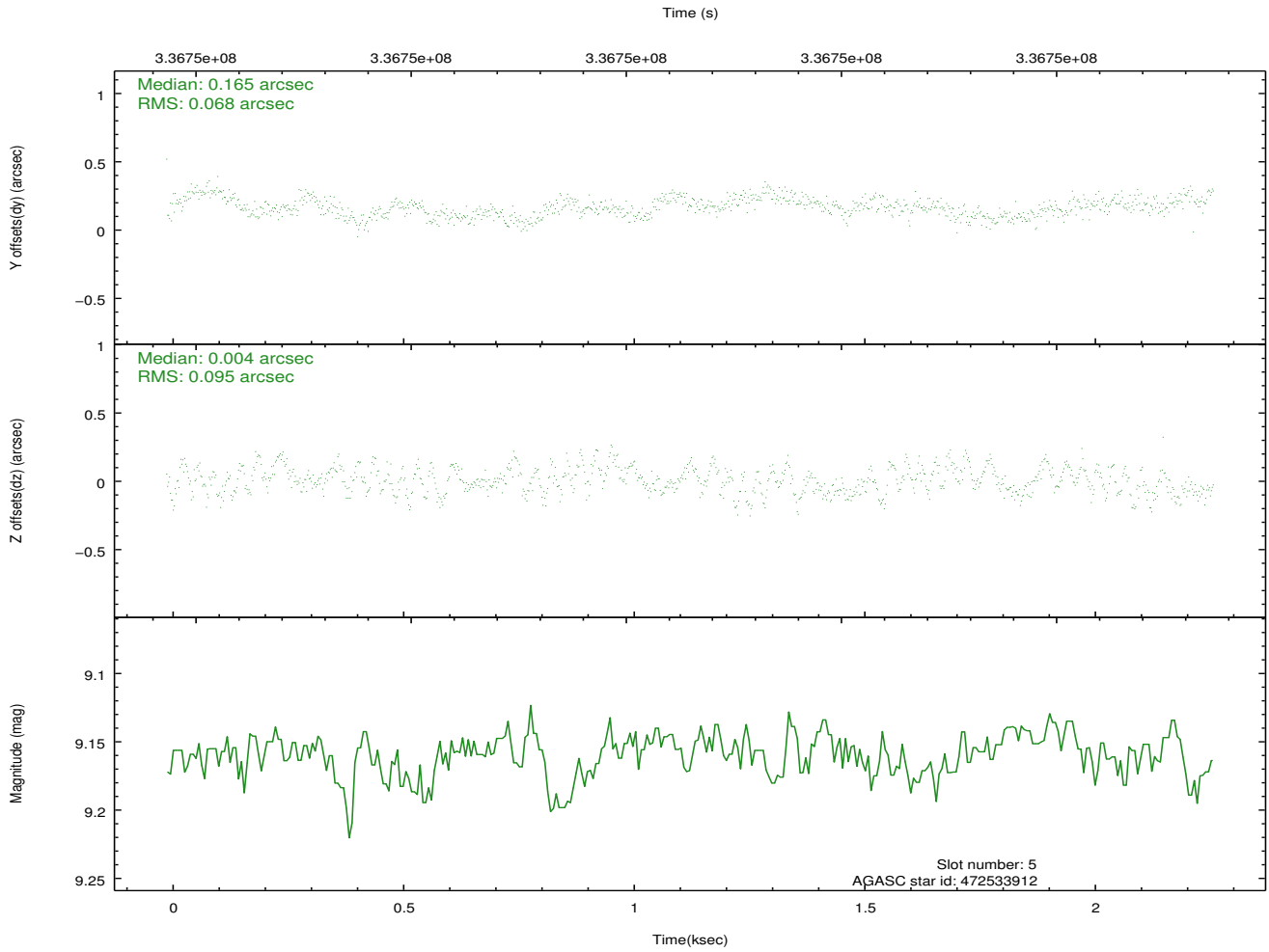
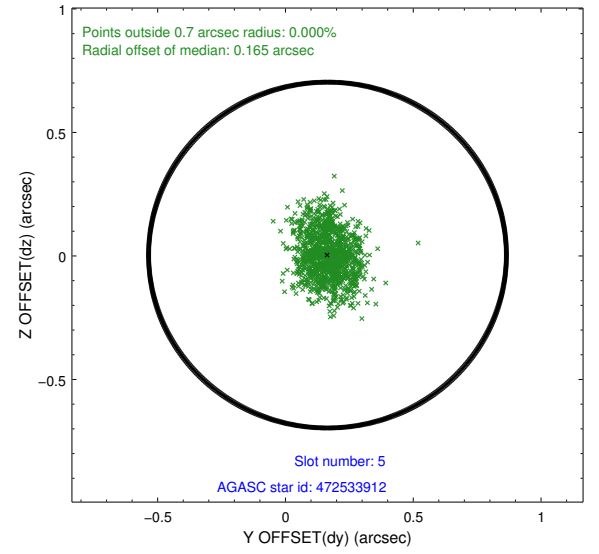
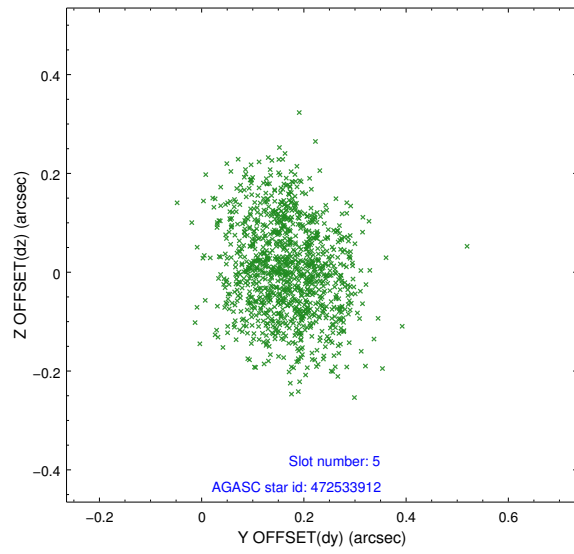
2.4.1 Slot 3



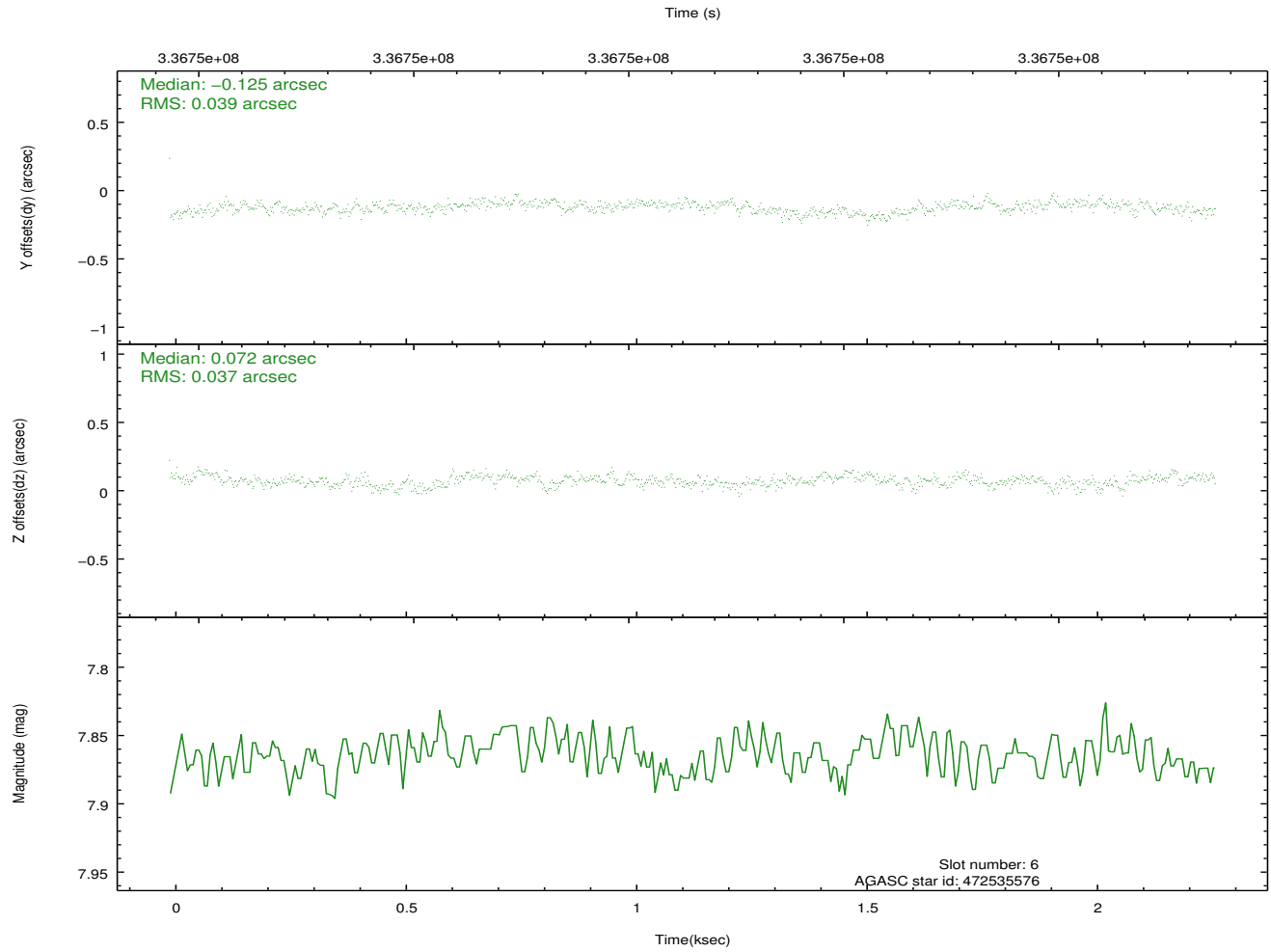
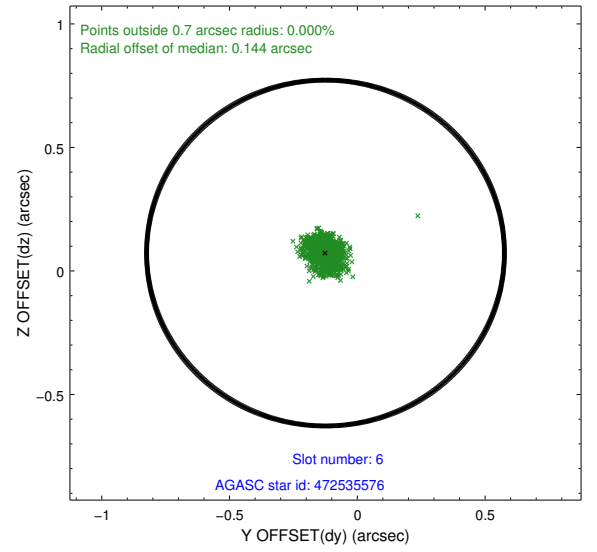
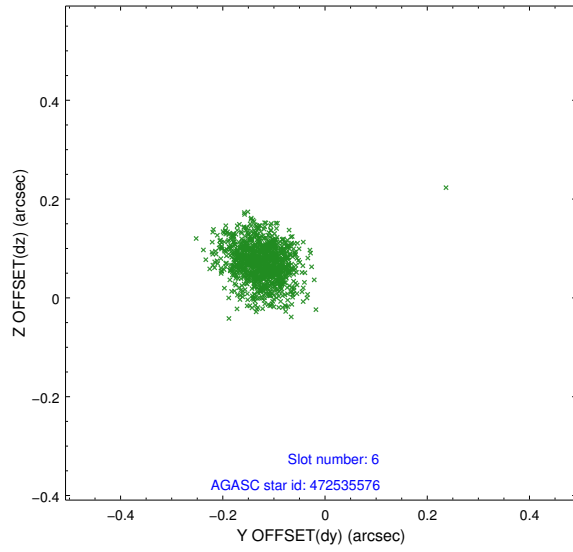
2.4.2 Slot 4



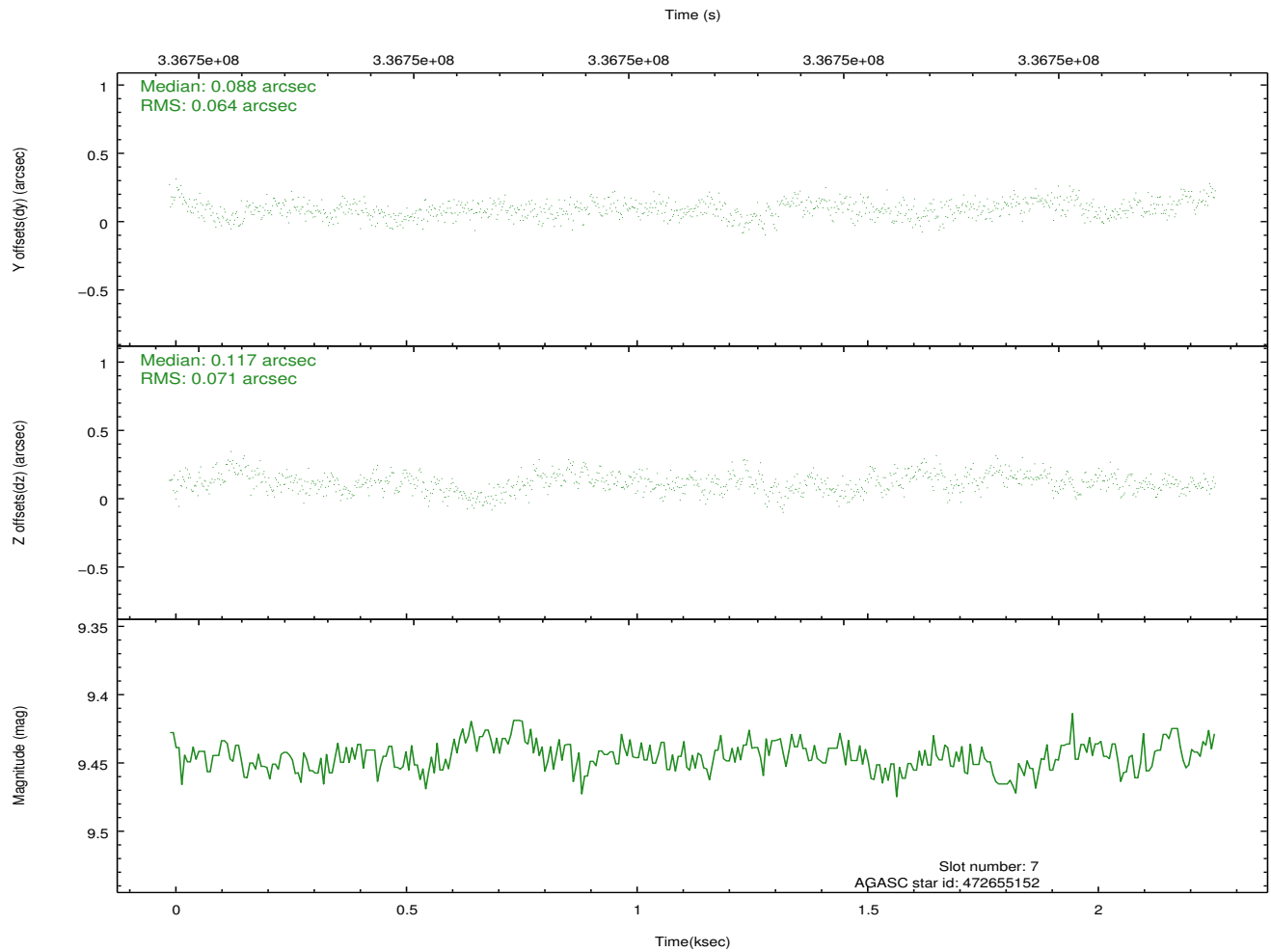
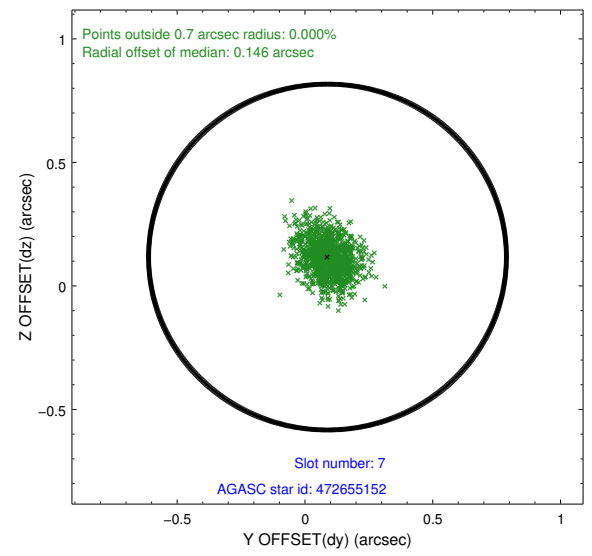
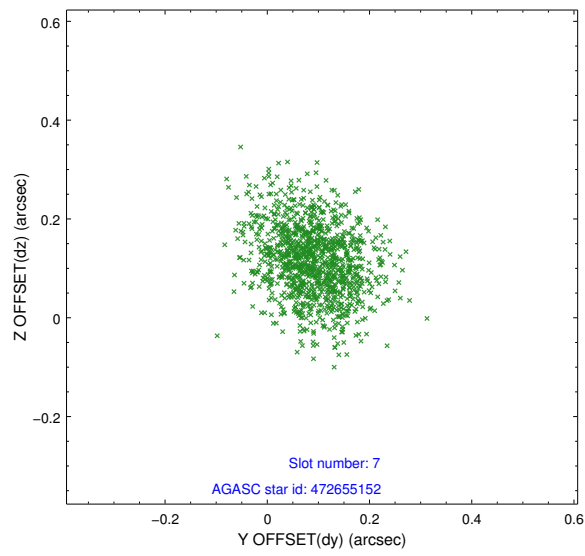
2.4.3 Slot 5



2.4.4 Slot 6

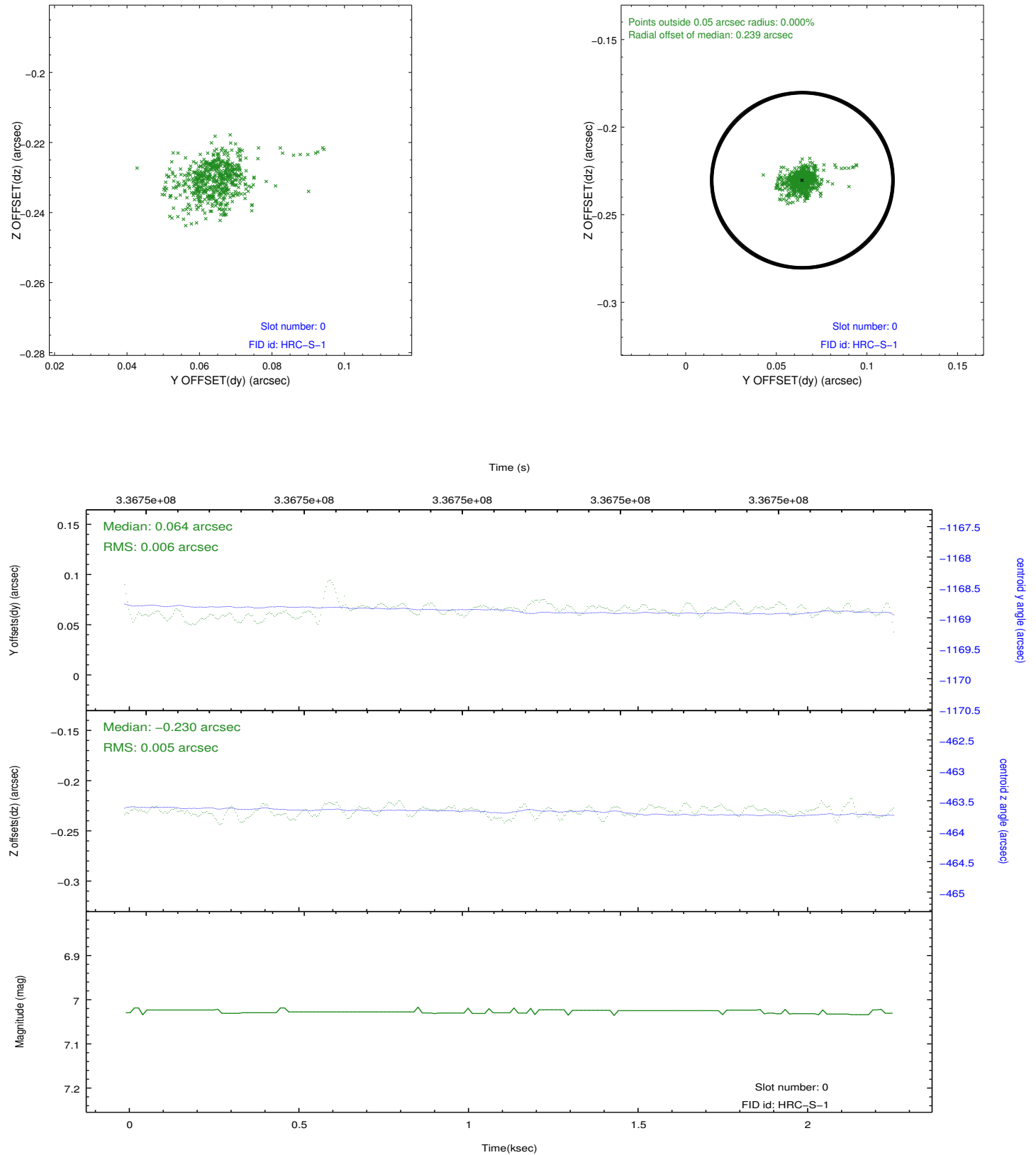


2.4.5 Slot 7

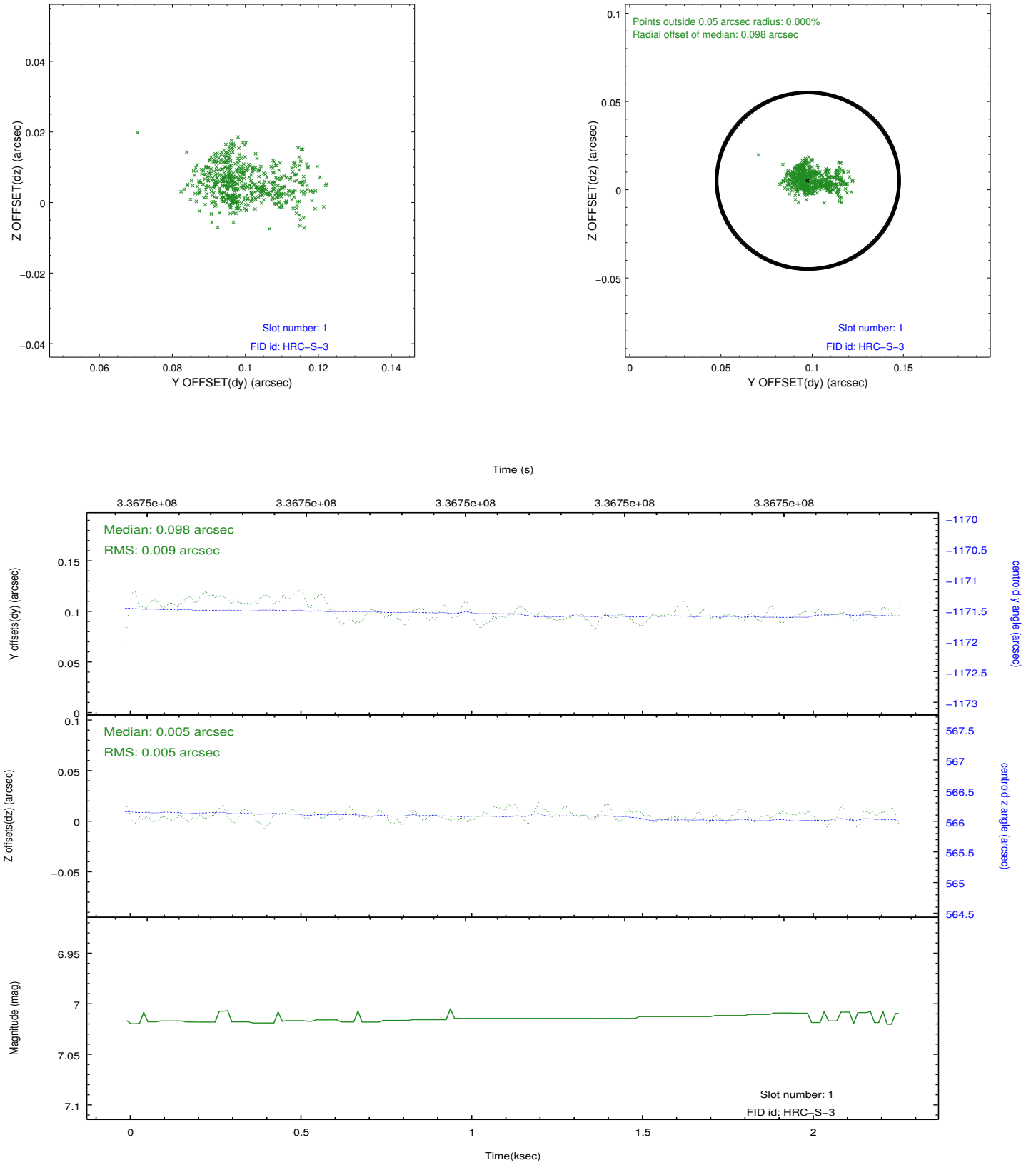


2.5 FID Slots

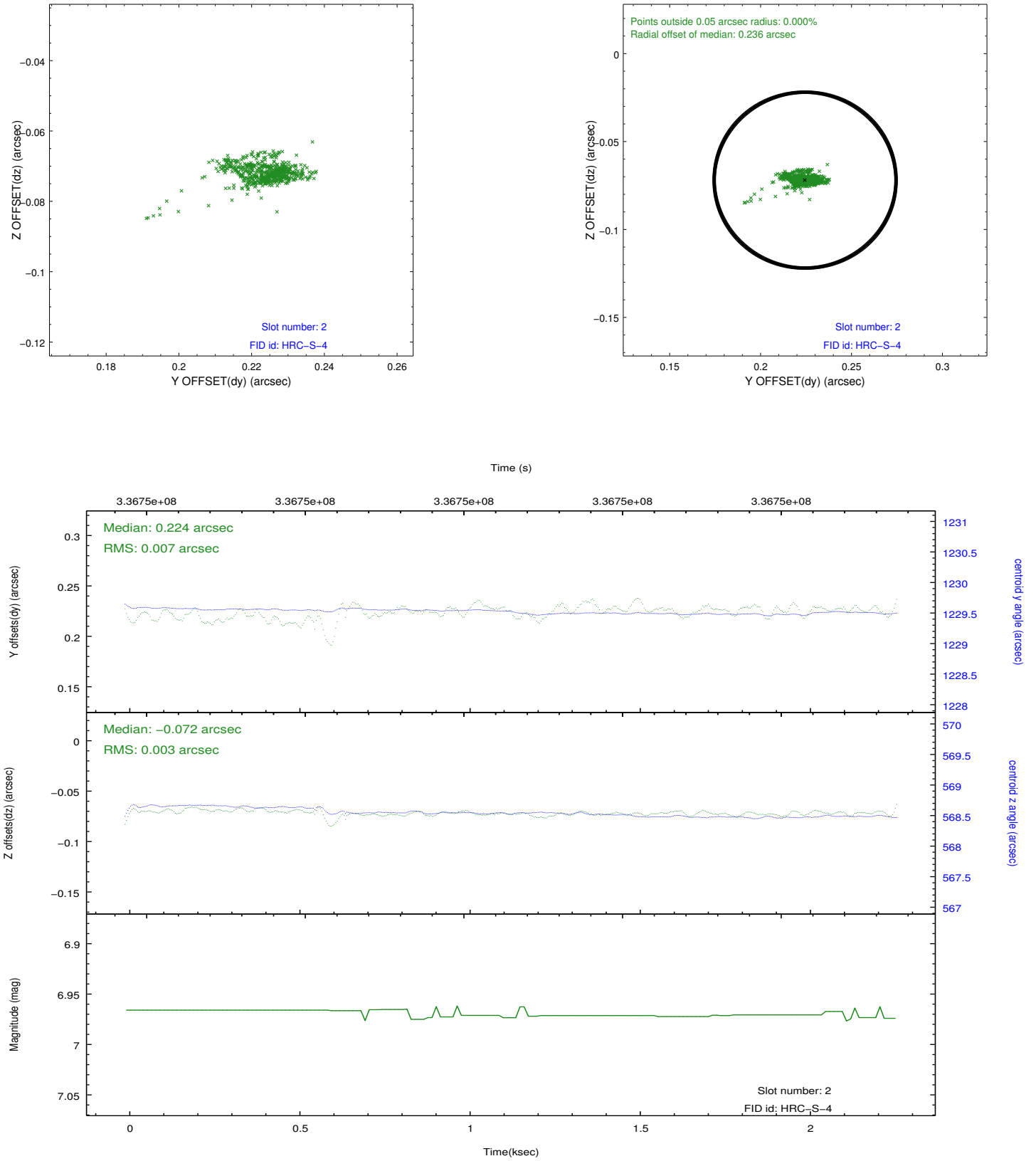
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.74070633

A.2 Comments