

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4338 - L2 Version 3
Chandra X-Ray Center

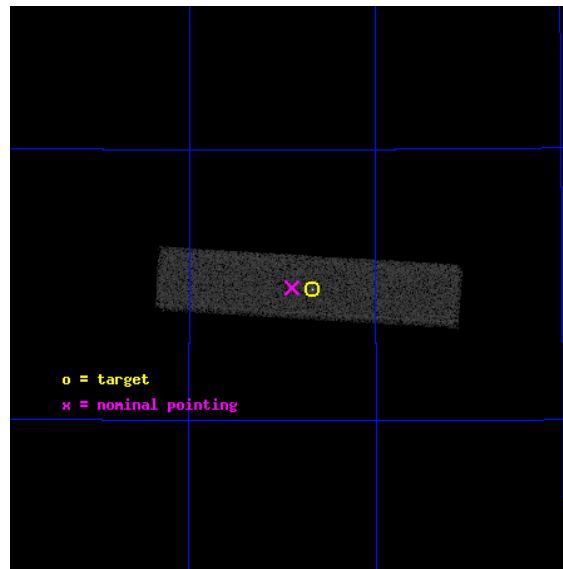
L2 Processing Date : Oct 23 2012

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1 Front

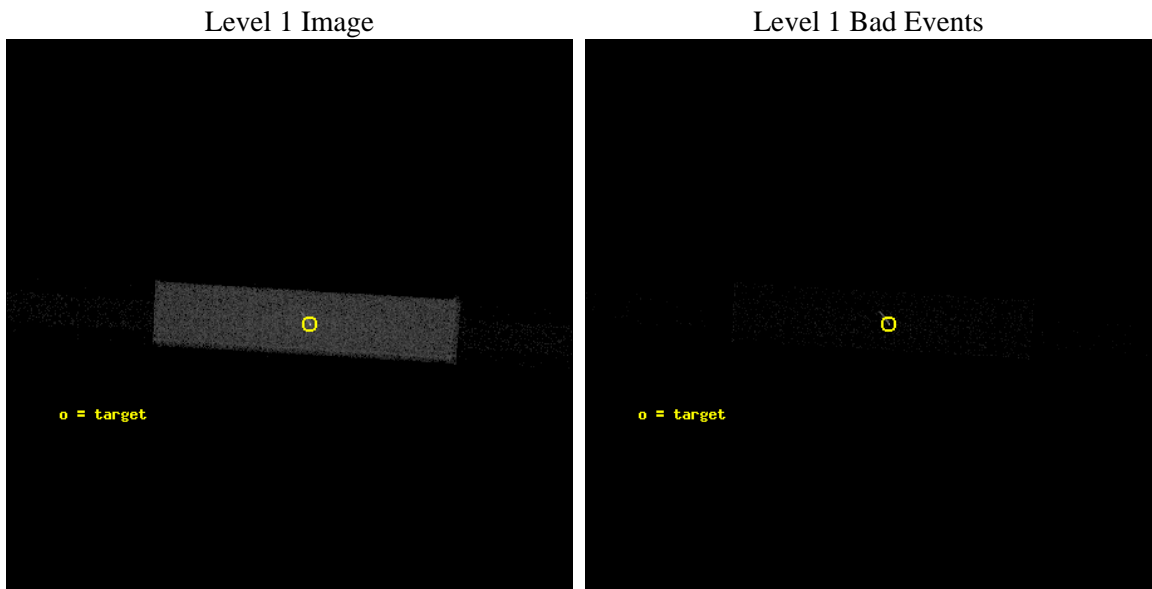
seq_num	290298	Sequence number
obs_id	4338	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22494955038	Nominal RA [deg]
dec_nom	45.745208989684	Nominal Dec [deg]
roll_nom	3.3608063823552	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.131298095	[s]
livetime	1137.4253825475	Ontime multiplied by DTCOR
l2events	39085	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	1143.131298095	[s]
caldbver	4.5.2	 	l1events	65348	Number of level 1 events
date	2012-10-23T09:06:22	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

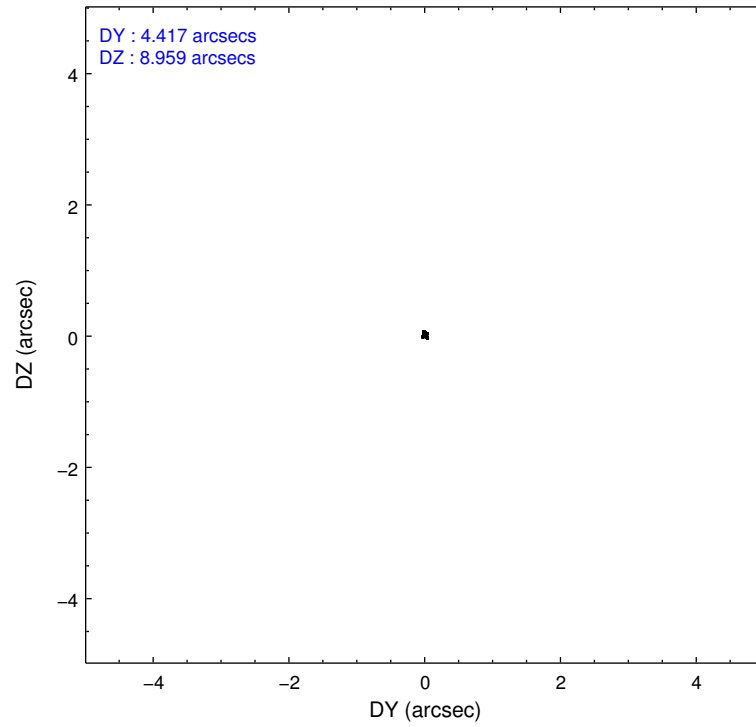
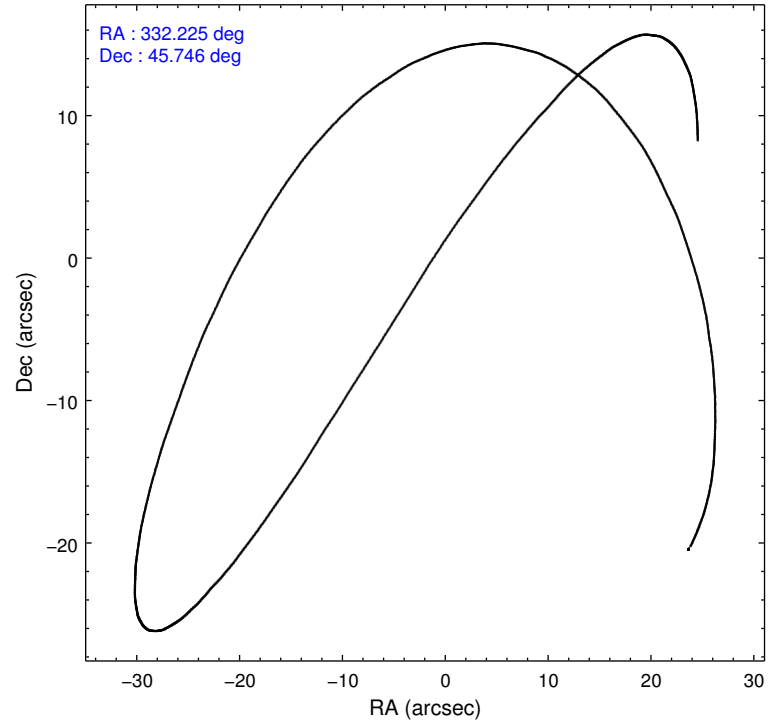
Level 1 Events

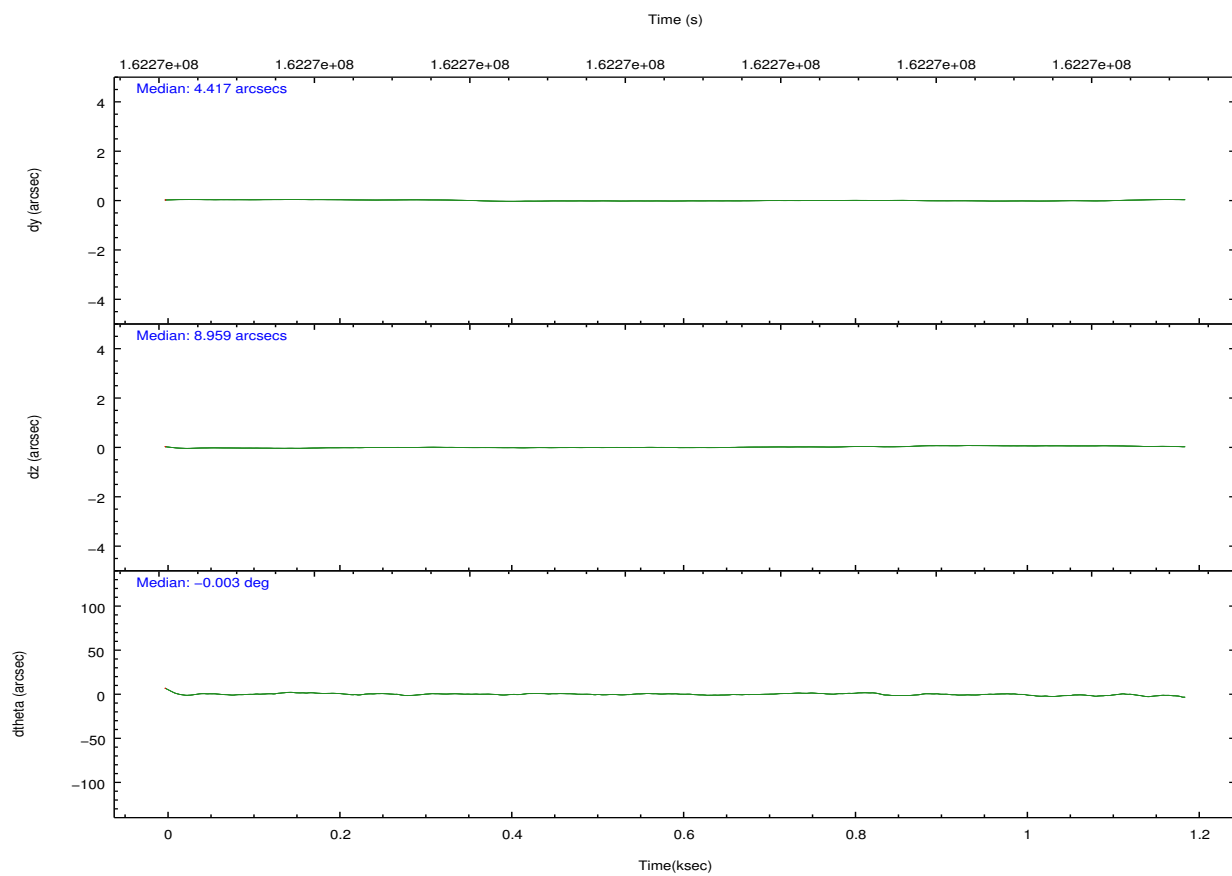
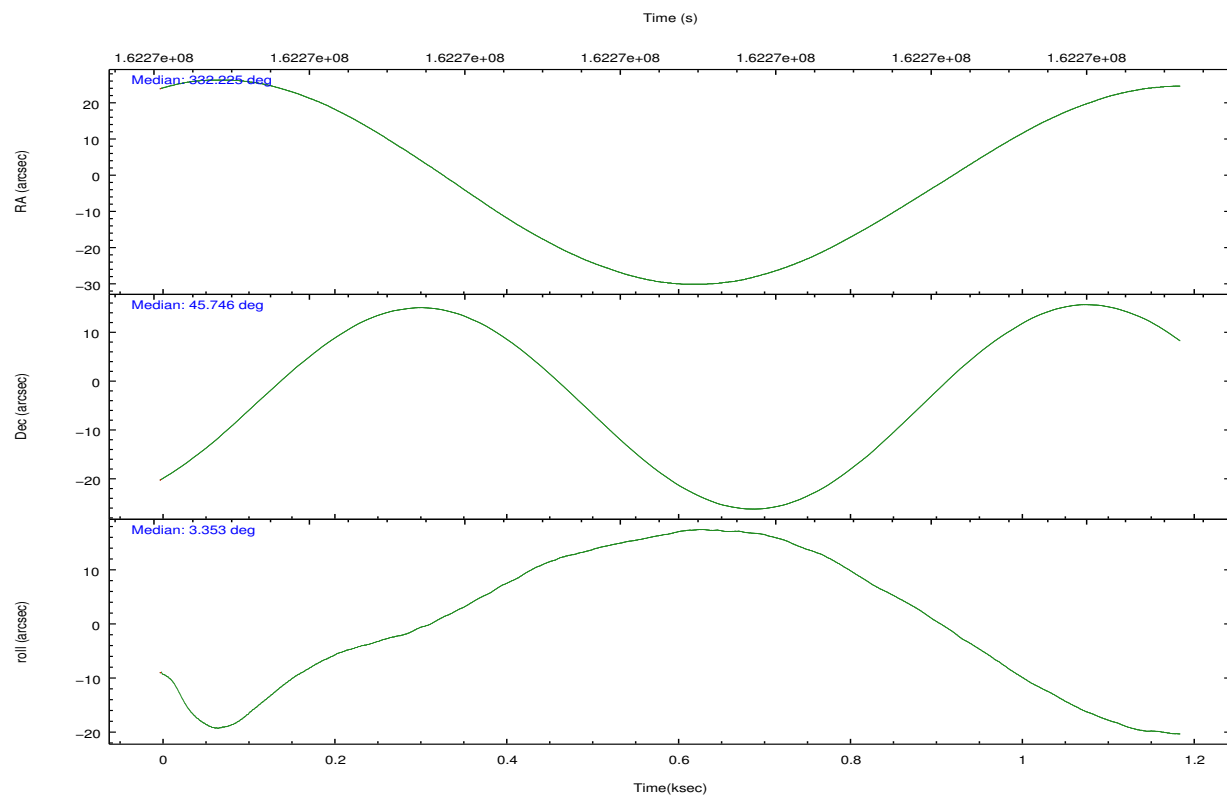
	segment 1	segment 2	segment 3
level 1 events	1071	63259	1018
rejected events	1071	14587	1018
rejected %	100%	23%	100%

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	332.191330	332.2249495503847			
[deg] Pointing Dec	45.727474	45.74520898968363			
[deg] Pointing Roll	3.317494	3.360806382355224			
[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)	162270855.184000	162270479.41858			
Observation start date	2003-02-22T03:13:11	2003-02-22T03:07:59			
[s] Observation end time (MET)	162271855.184000	162271989.24365			
Observation end date	2003-02-22T03:29:51	2003-02-22T03:33:09			

2.3 Aspect



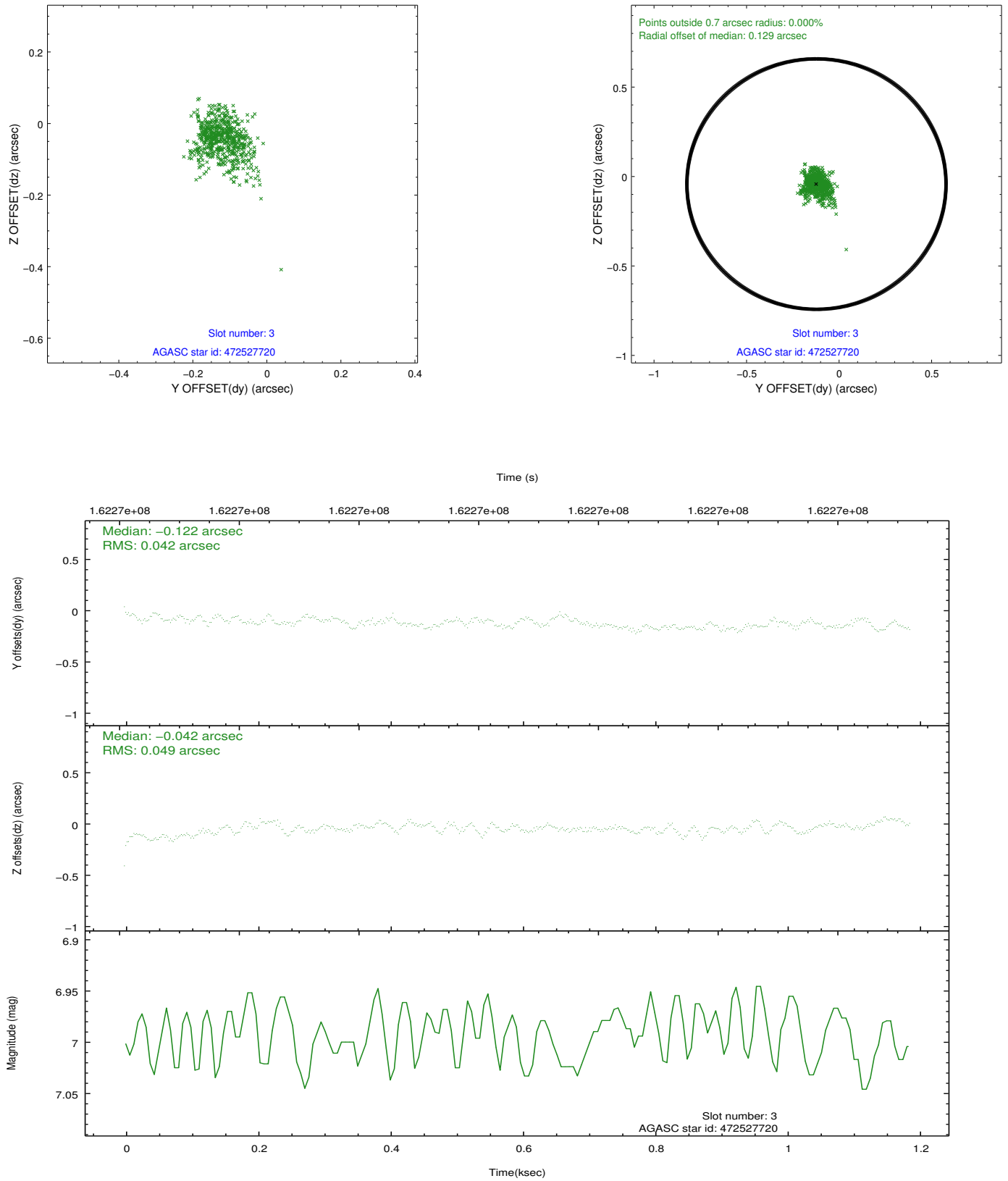


Slot Statistics

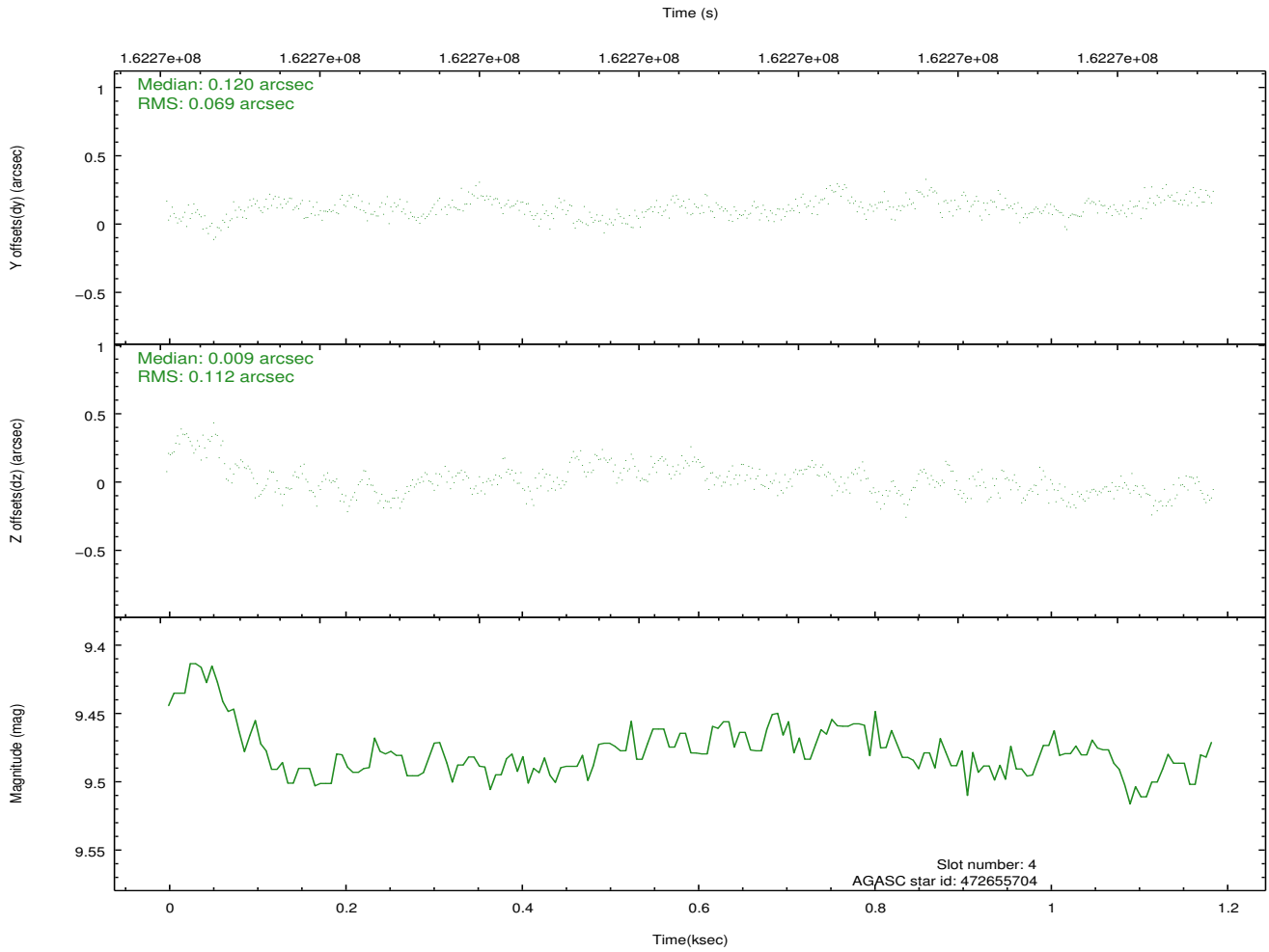
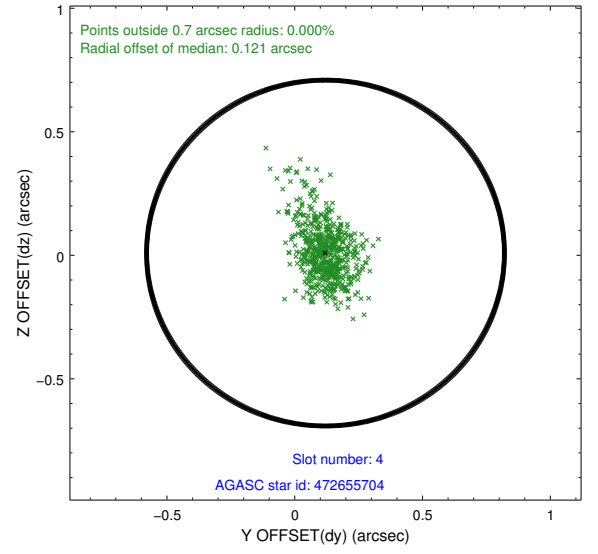
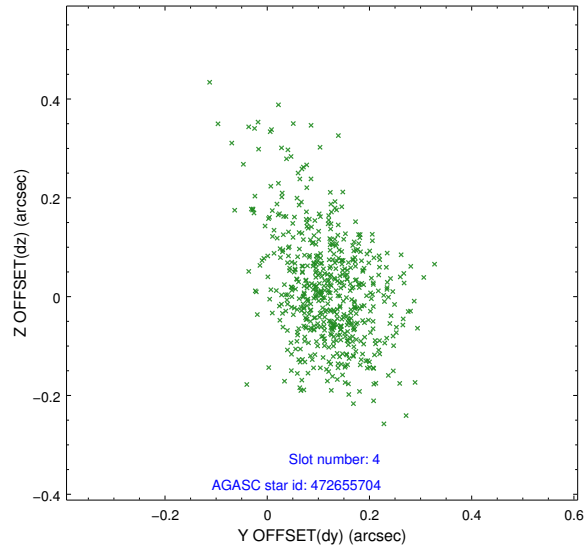
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	290	0.142	-0.157	0.008	0.016	0.000000	0.000000	-1158.49	-457.61
1	FID	HRC-S-3	7.03	290	0.149	-0.035	0.009	0.013	0.000000	0.000000	-1165.19	570.47
2	FID	HRC-S-4	6.99	290	0.097	-0.105	0.005	0.011	0.000000	0.000000	1235.71	576.49
3	GUIDE	472527720	6.99	580	-0.122	-0.042	0.064	0.109	331.460205	45.112509	-1983.40	-2097.31
4	GUIDE	472655704	9.48	579	0.120	0.009	0.131	0.243	332.167195	45.285228	-157.74	-1592.15
5	GUIDE	472659832	9.46	580	0.010	0.027	0.105	0.171	332.780399	46.098139	1543.65	1247.32
6	GUIDE	472533912	9.18	580	0.020	-0.076	0.127	0.207	331.791136	46.368695	-857.93	2363.84
7	GUIDE	472654568	9.44	579	-0.028	0.069	0.107	0.173	332.194449	45.063576	-133.03	-2385.02

2.4 Star Slots

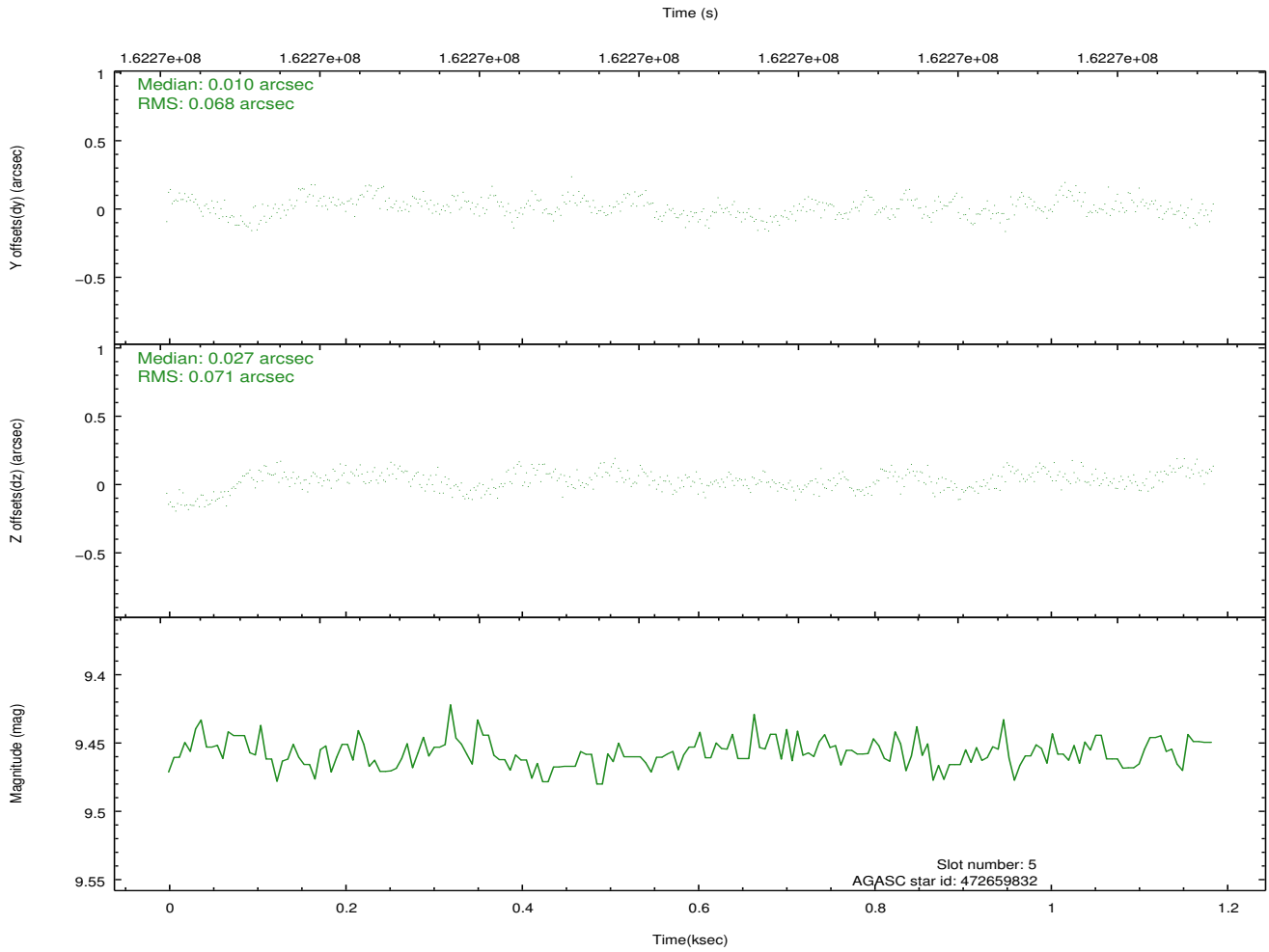
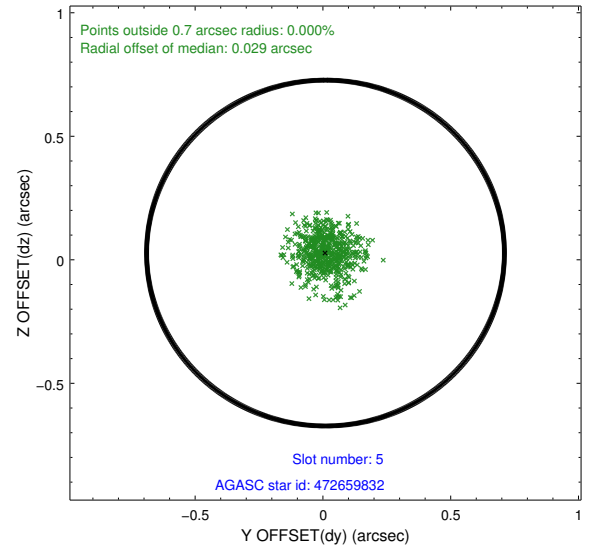
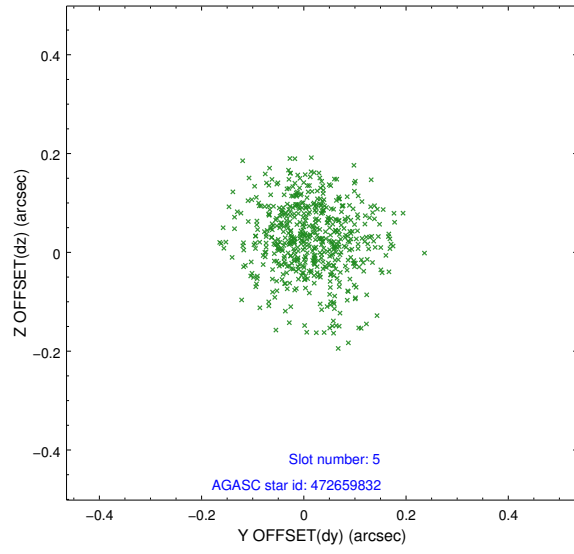
2.4.1 Slot 3



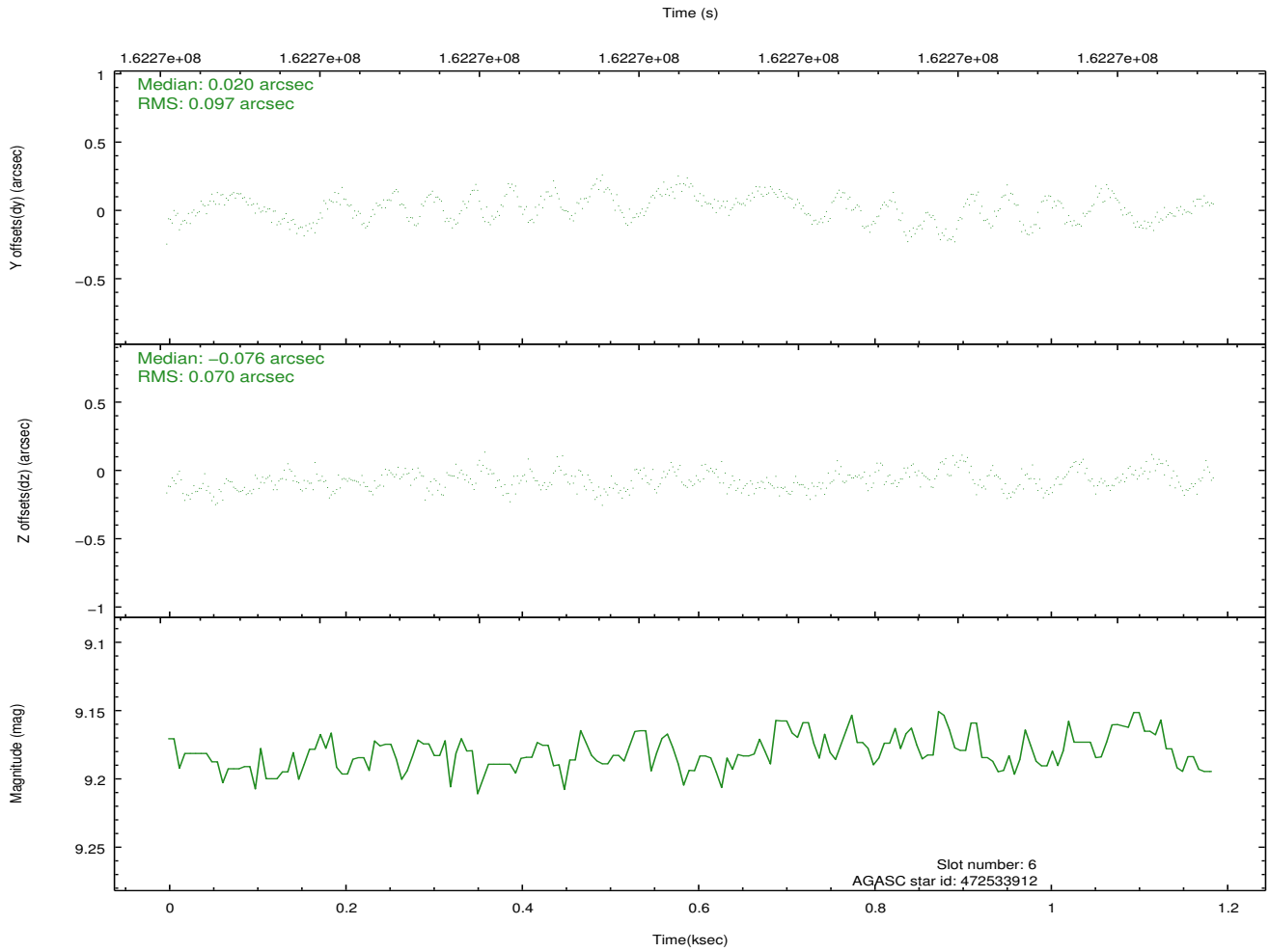
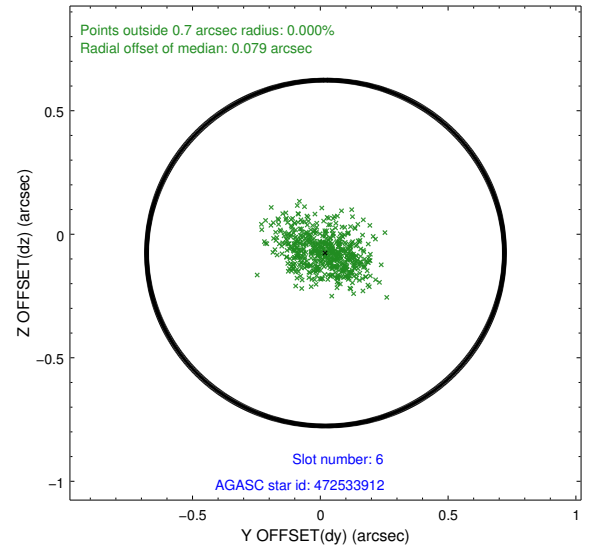
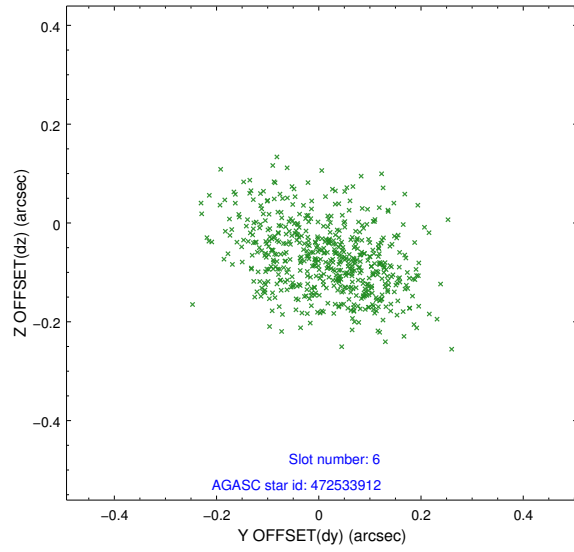
2.4.2 Slot 4



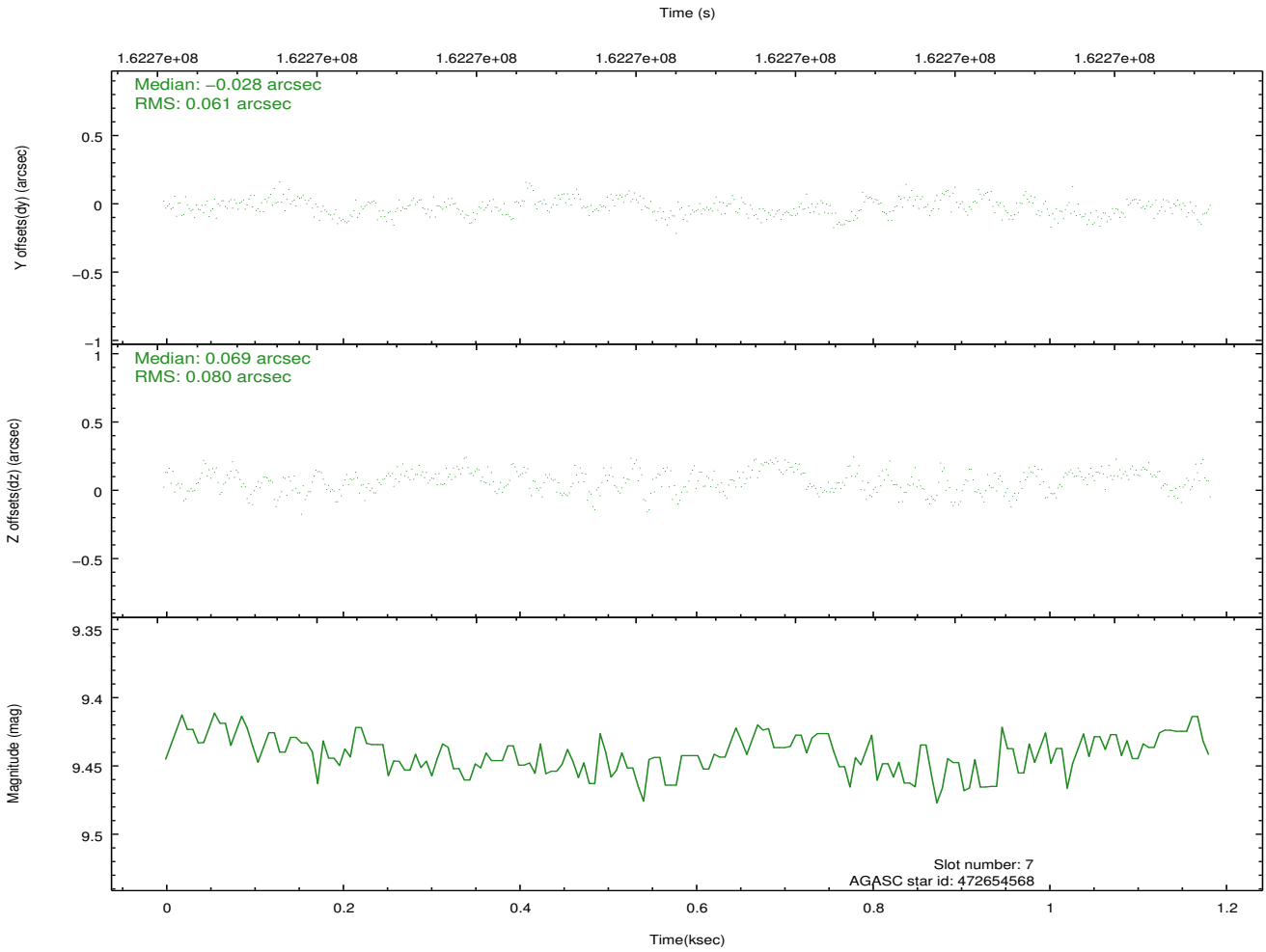
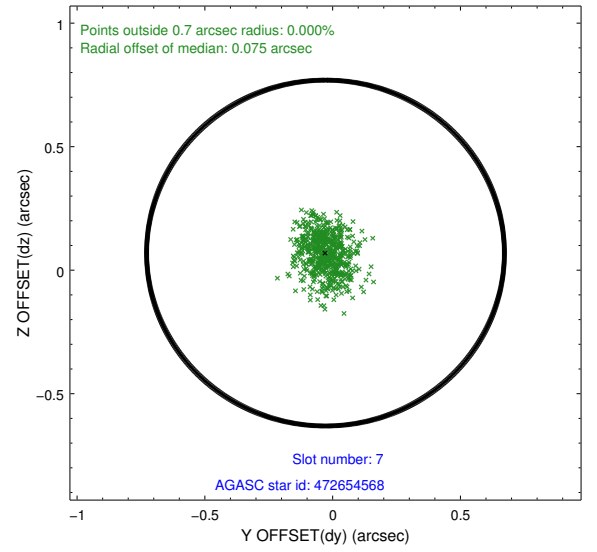
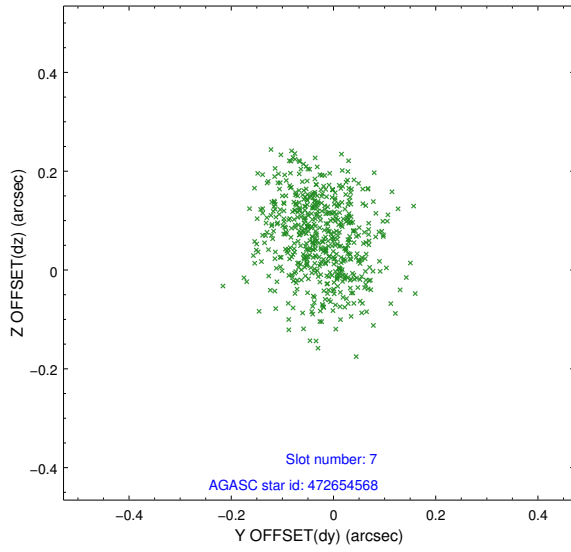
2.4.3 Slot 5



2.4.4 Slot 6

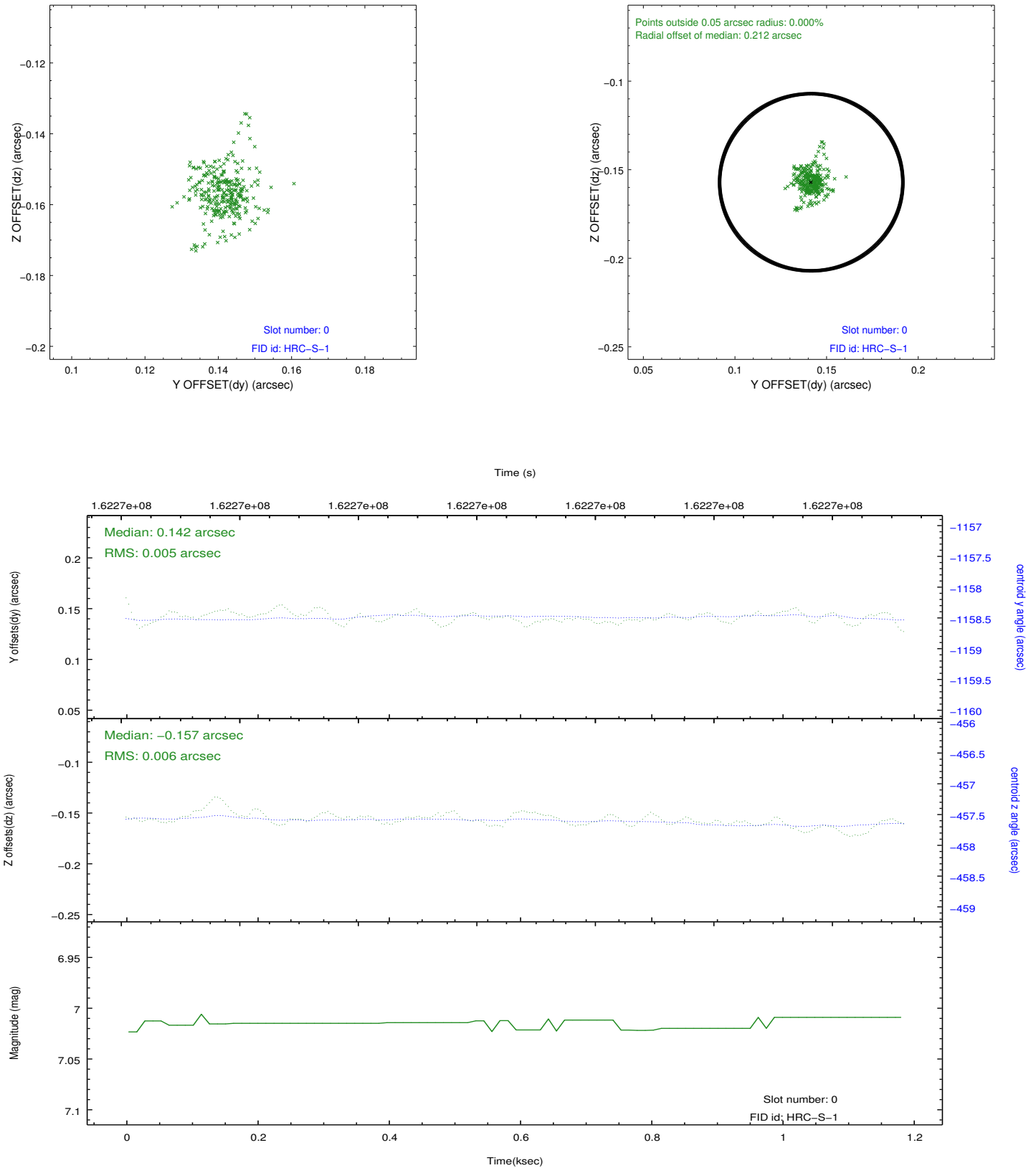


2.4.5 Slot 7

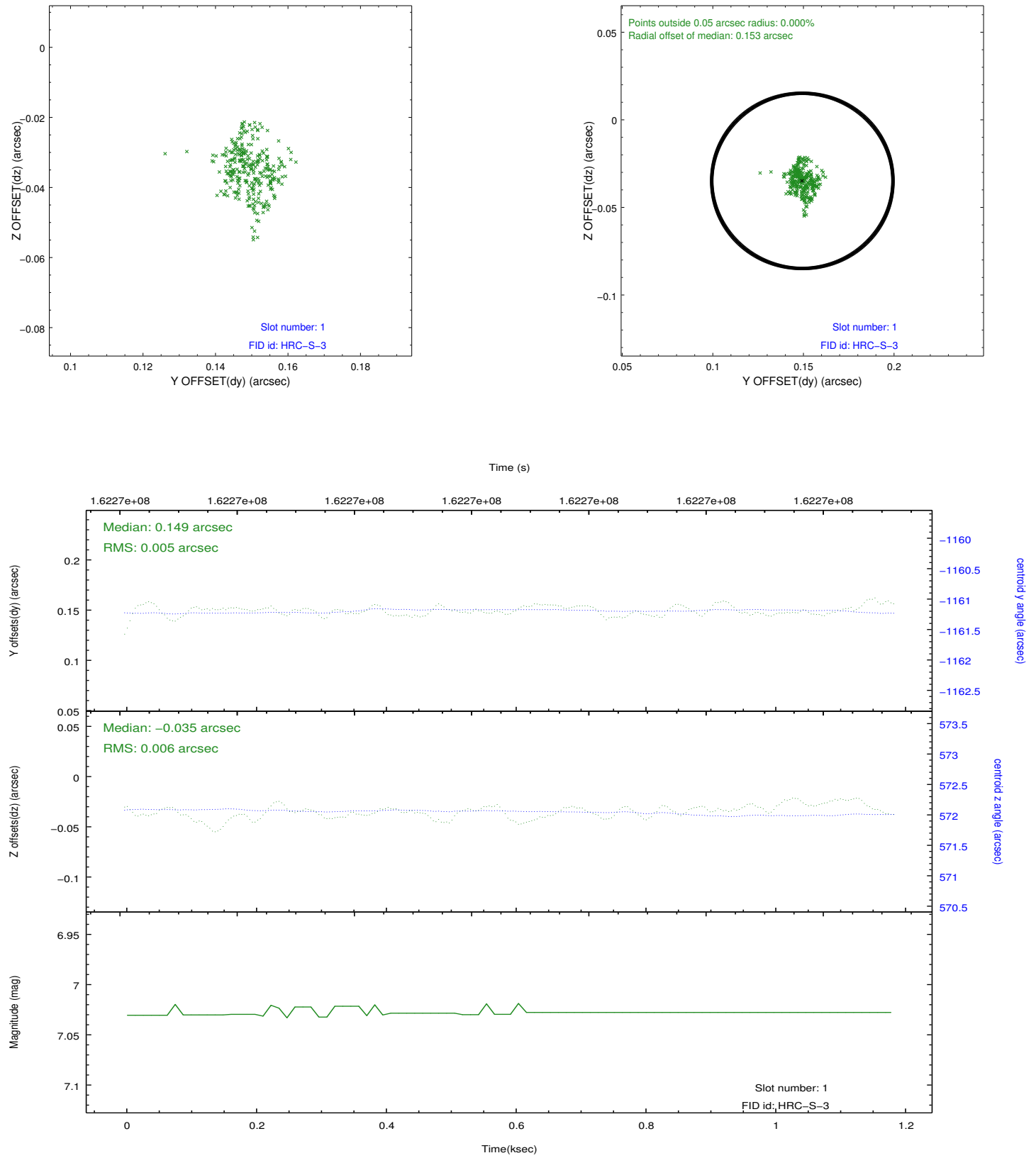


2.5 FID Slots

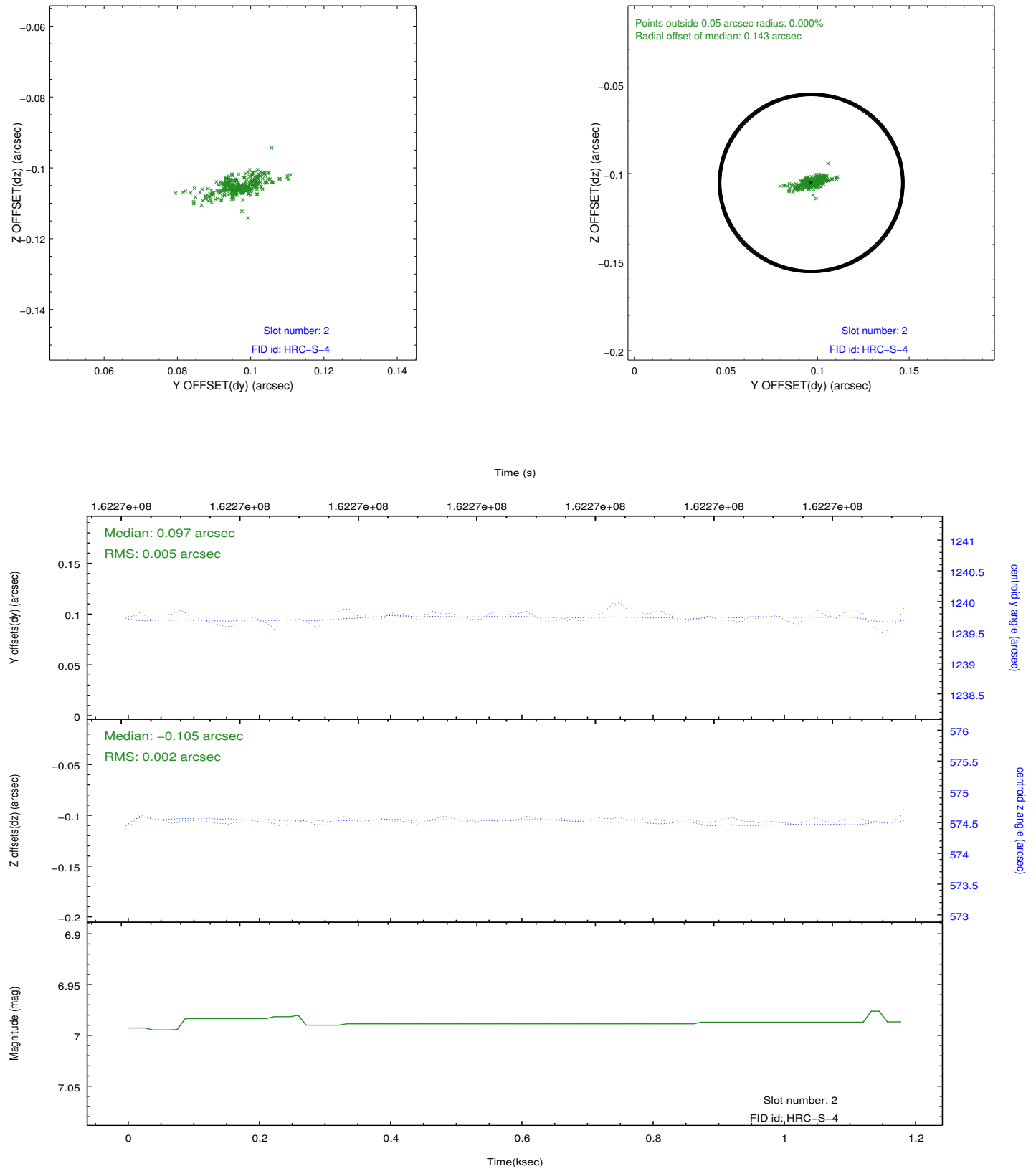
2.5.1 Slot 0



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	1.143

A.2 Comments