

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4342 - L2 Version 3
Chandra X-Ray Center

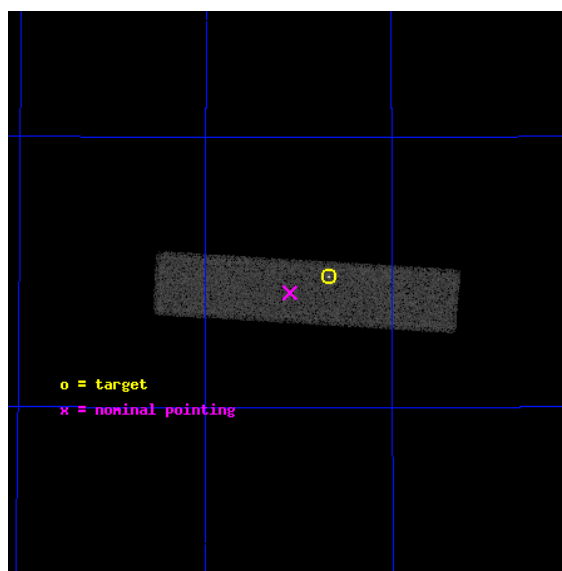
L2 Processing Date : Oct 23 2012

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

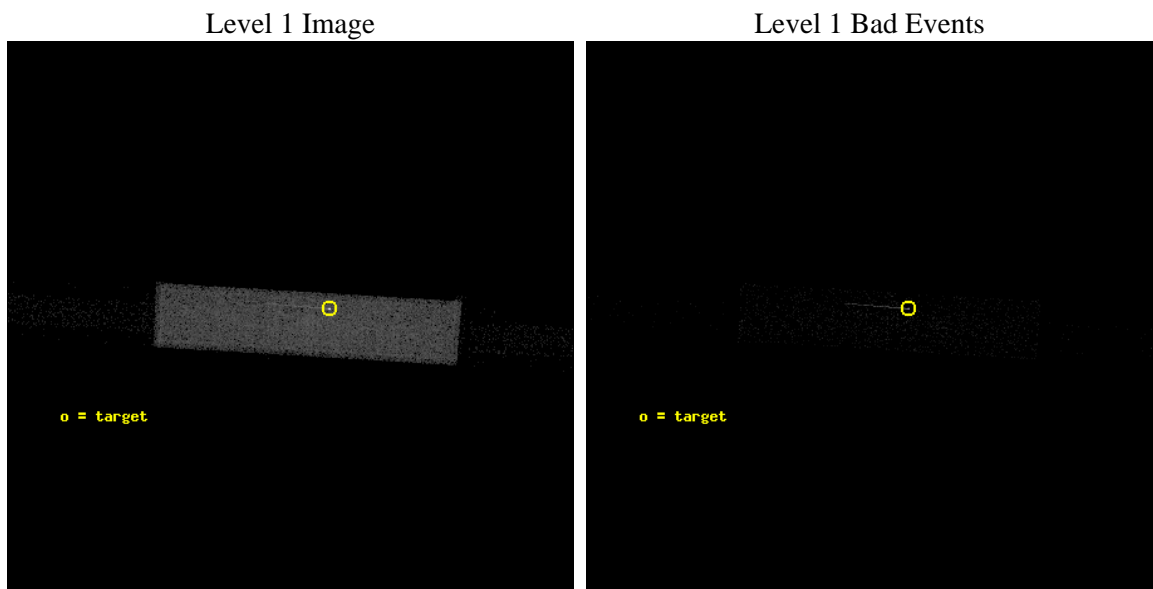
seq_num	290302	Sequence number
obs_id	4342	Observation id
title	AO4A CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-S GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.27414562424	Nominal RA [deg]
dec_nom	45.712916961431	Nominal Dec [deg]
roll_nom	3.3880489825094	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1141.0812979937	[s]
livetime	1135.0878698405	Ontime multiplied by DTCOR
l2events	41513	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	1141.0812979937	[s]
caldsver	4.5.2	 	l1events	68588	Number of level 1 events
date	2012-10-23T09:06:34	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

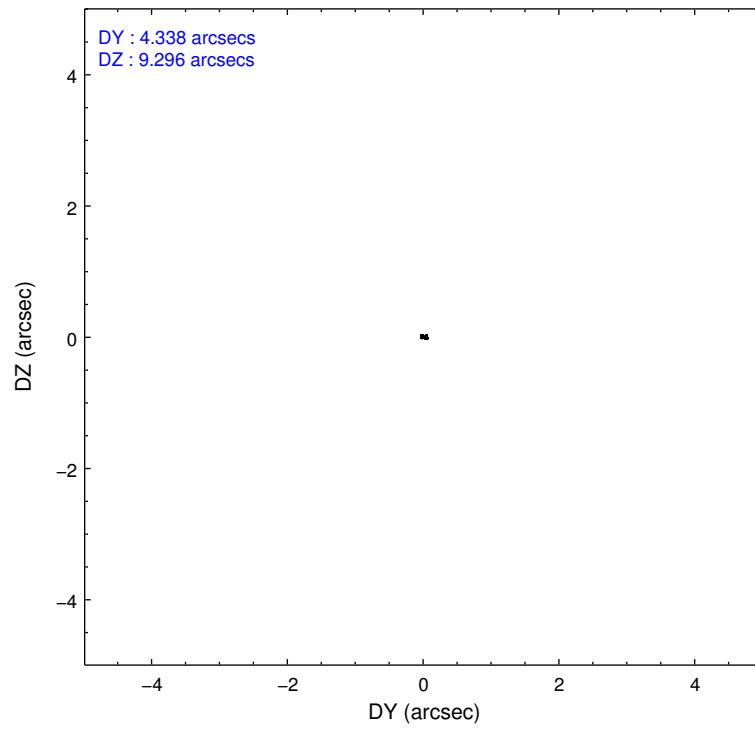
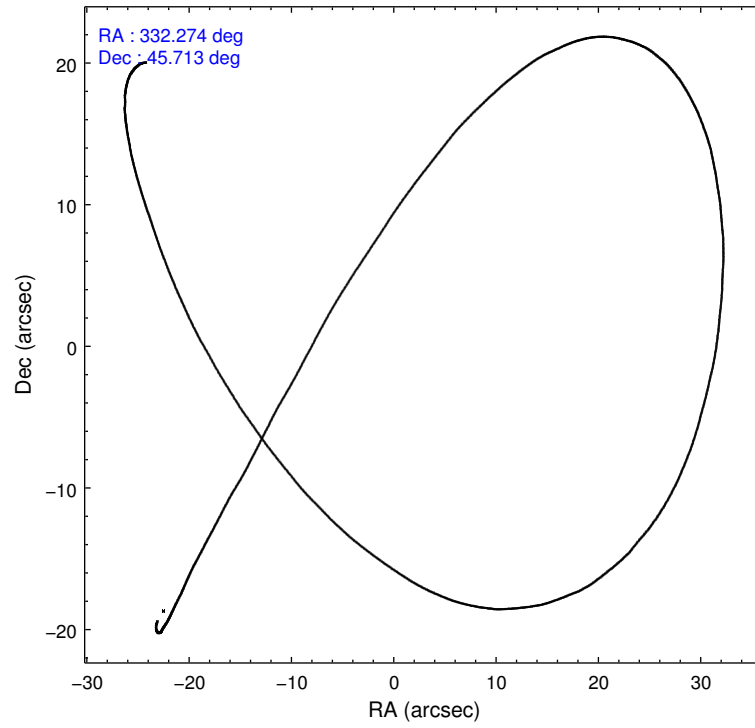
Level 1 Events

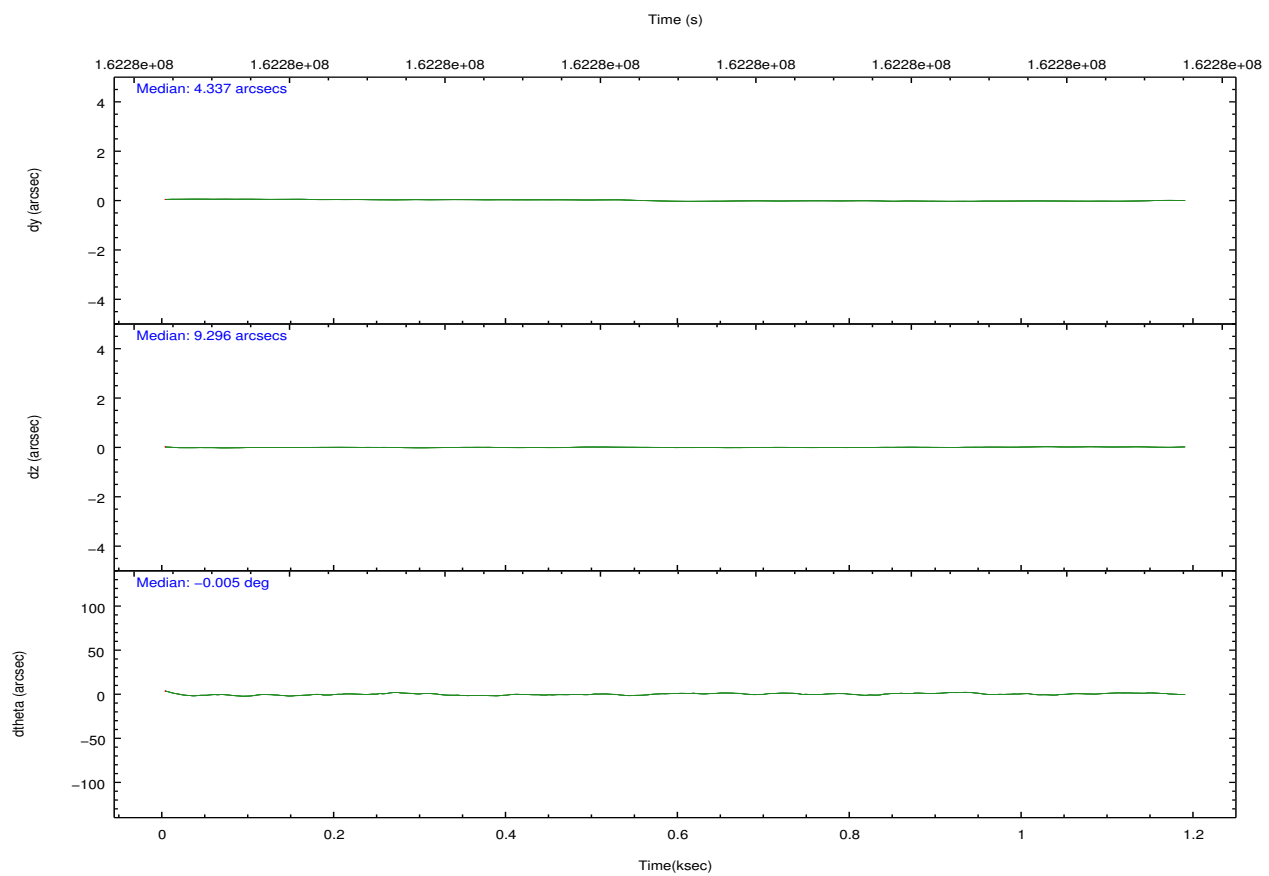
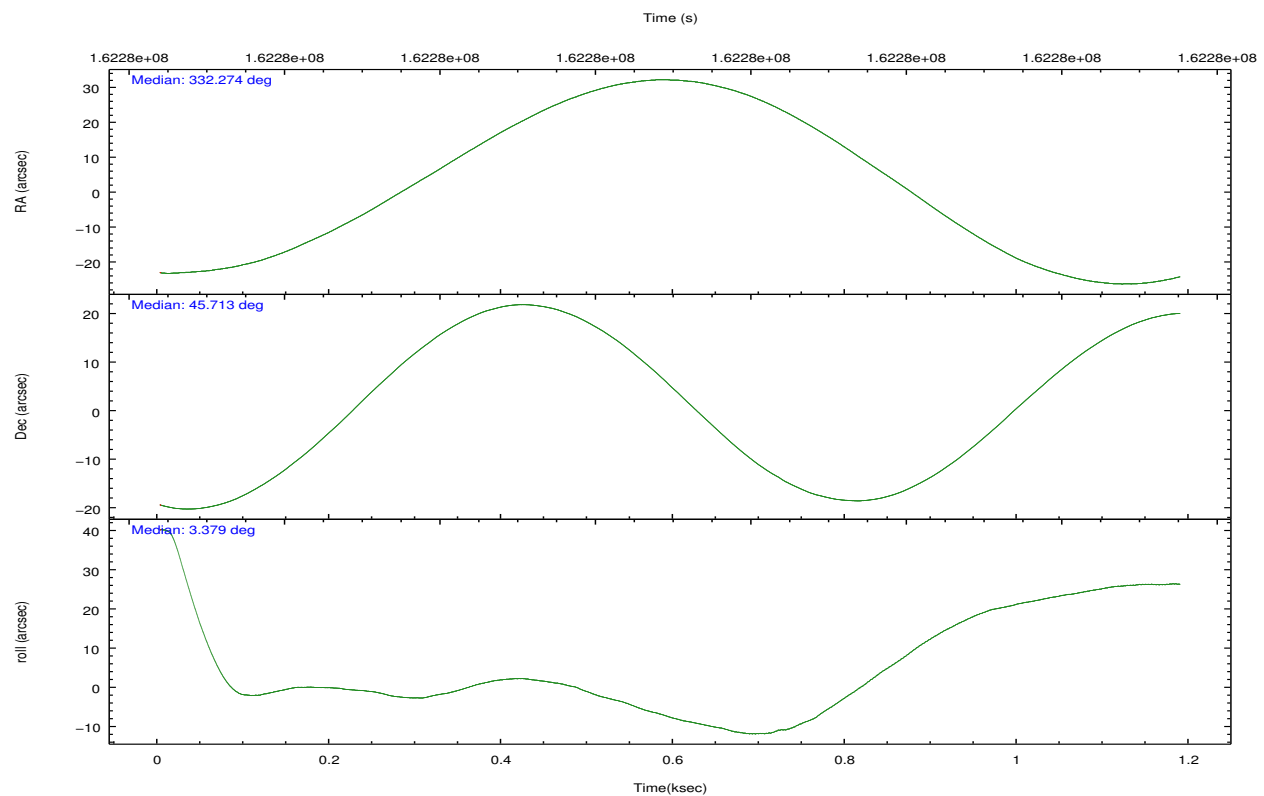
	segment 1	segment 2	segment 3
level 1 events	1162	66309	1117
rejected events	1162	15296	1117
rejected %	100%	23%	100%

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	332.241812	332.2741456242388			
[deg] Pointing Dec	45.696167	45.71291696143138			
[deg] Pointing Roll	3.343523	3.388048982509389			
[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)	162276895.184000	162276519.74384			
Observation start date	2003-02-22T04:53:51	2003-02-22T04:48:39			
[s] Observation end time (MET)	162277895.184000	162278029.5689			
Observation end date	2003-02-22T05:10:31	2003-02-22T05:13:49			

2.3 Aspect



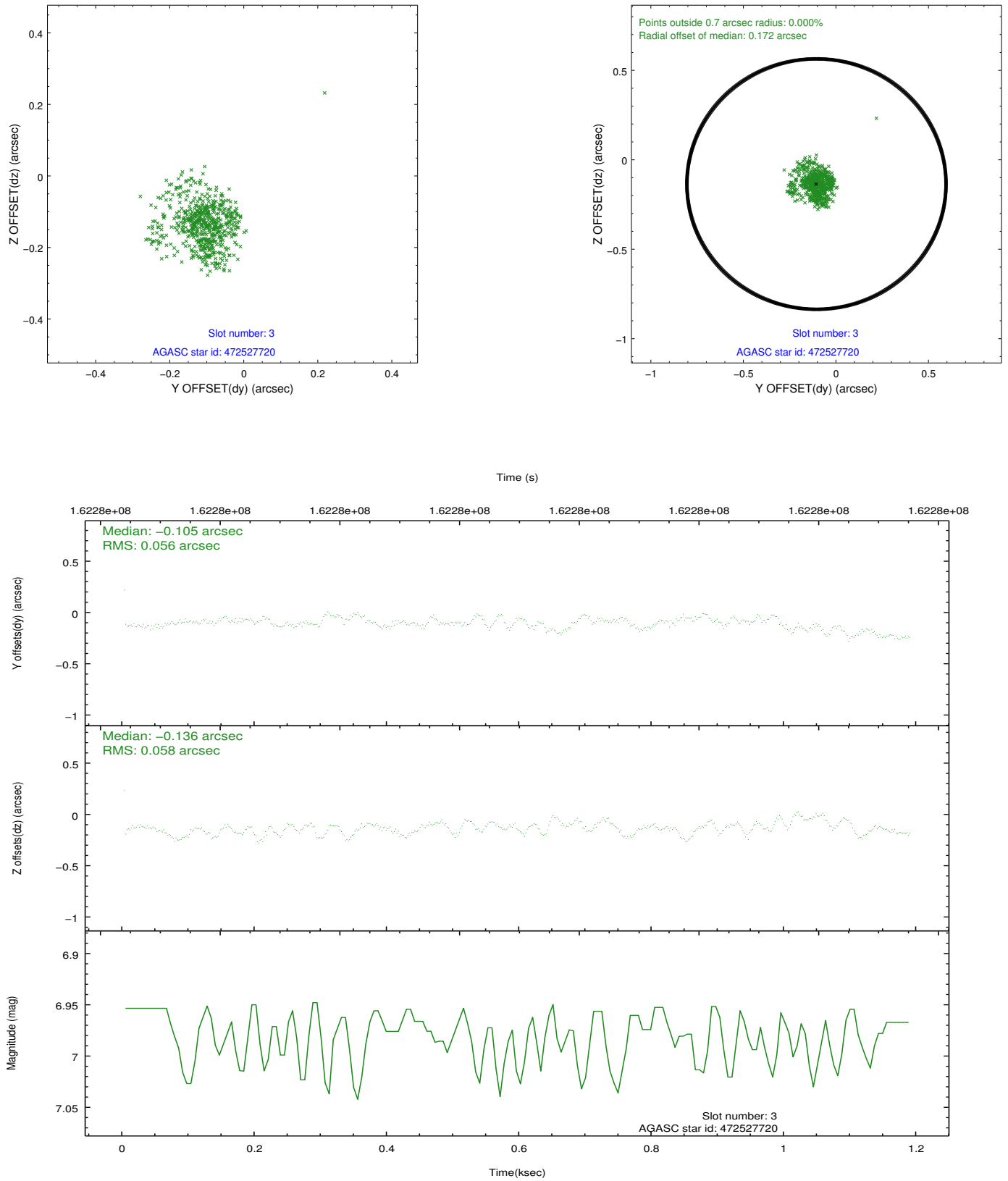


Slot Statistics

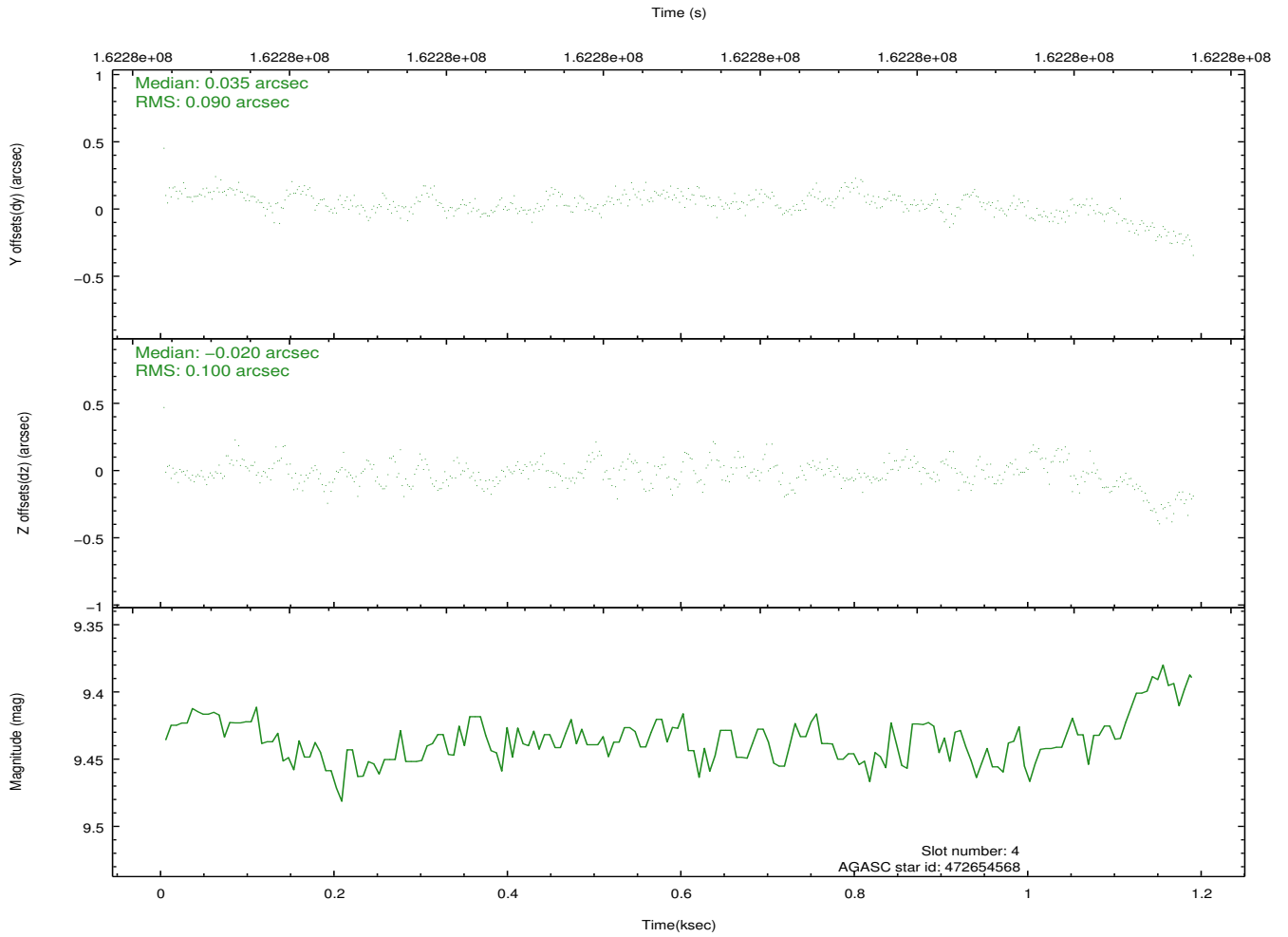
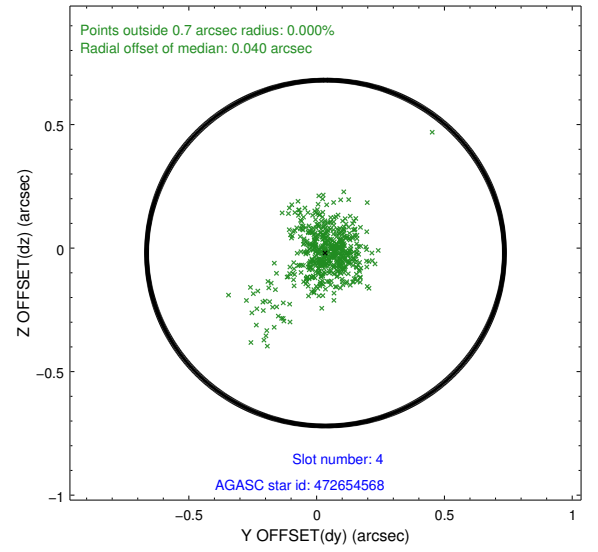
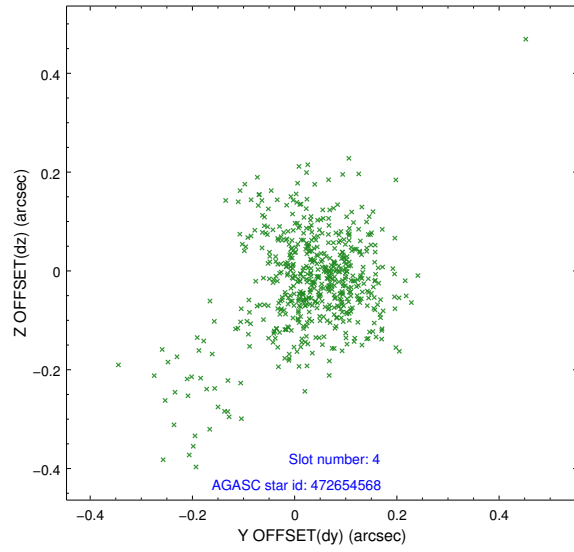
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	290	0.180	-0.108	0.005	0.008	0.000000	0.000000	-1158.36	-457.93
1	FID	HRC-S-2	6.99	290	0.074	-0.099	0.011	0.020	0.000000	0.000000	1237.22	-452.08
2	FID	HRC-S-4	6.98	290	0.149	-0.097	0.011	0.018	0.000000	0.000000	1244.11	572.67
3	GUIDE	472527720	6.98	580	-0.105	-0.136	0.084	0.141	331.460205	45.112509	-2102.39	-1971.91
4	GUIDE	472654568	9.44	580	0.035	-0.020	0.124	0.261	332.194449	45.063576	-254.48	-2269.17
5	GUIDE	472655152	9.43	580	0.097	-0.030	0.112	0.201	332.504239	45.862991	693.37	559.04
6	GUIDE	472659832	9.46	579	0.003	0.007	0.111	0.177	332.780399	46.098139	1429.83	1372.63
7	GUIDE	472652872	10.11	576	-0.056	0.167	0.204	0.558	332.255928	45.019274	-101.68	-2431.62

2.4 Star Slots

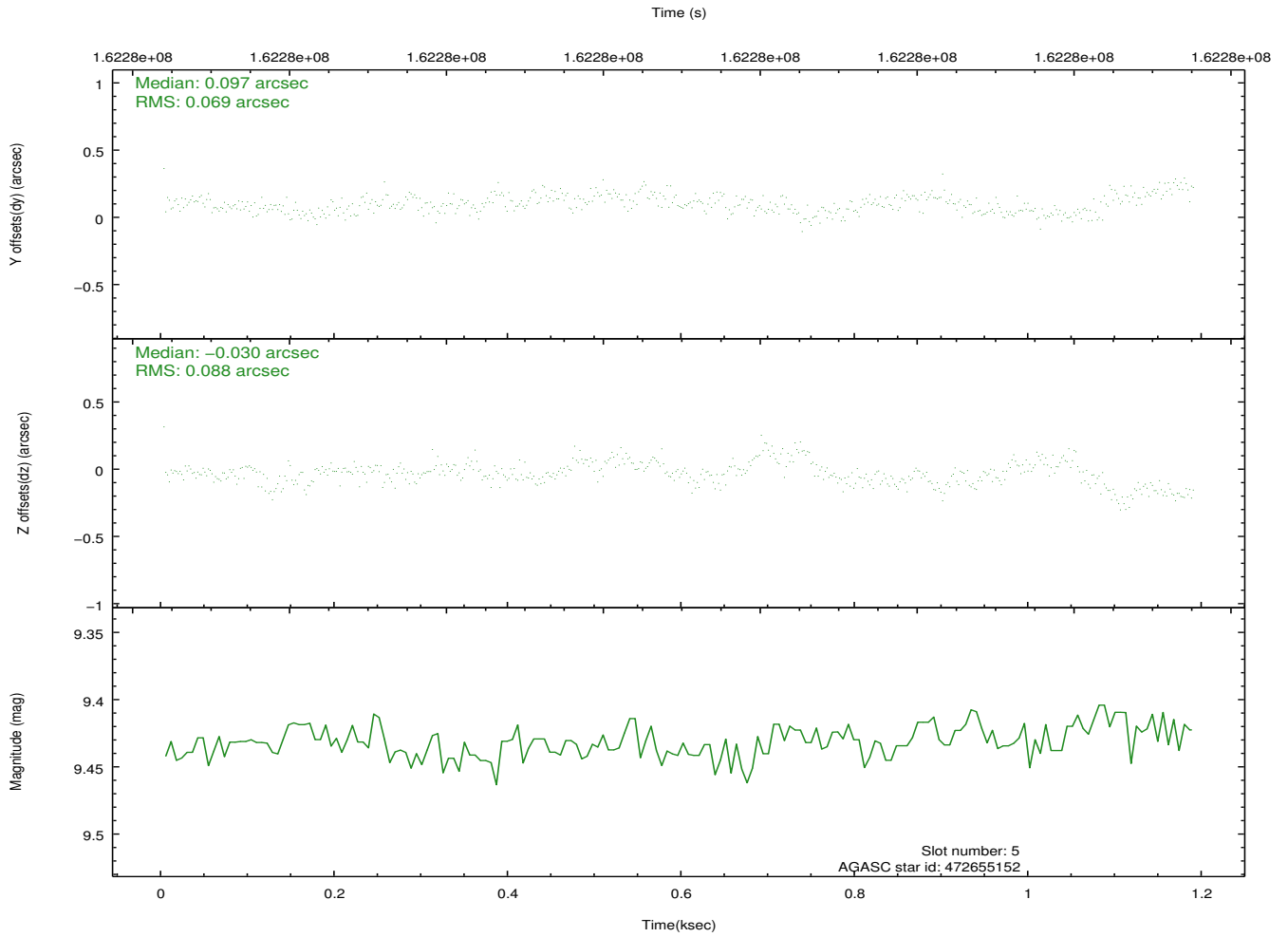
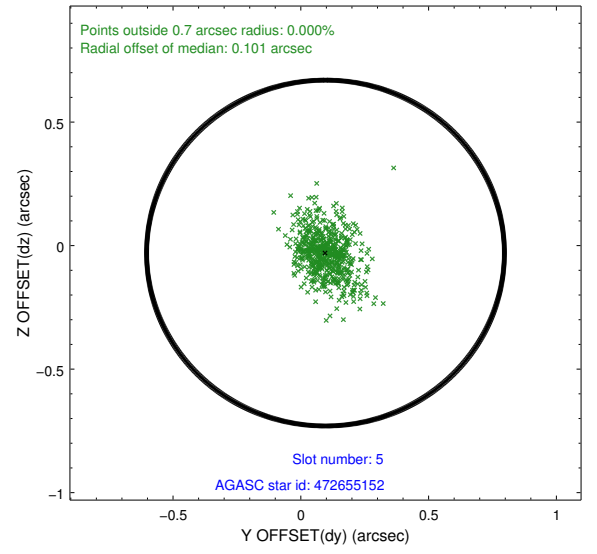
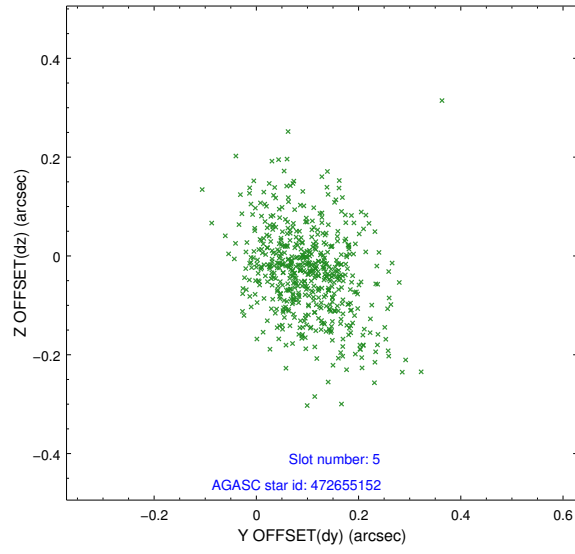
2.4.1 Slot 3



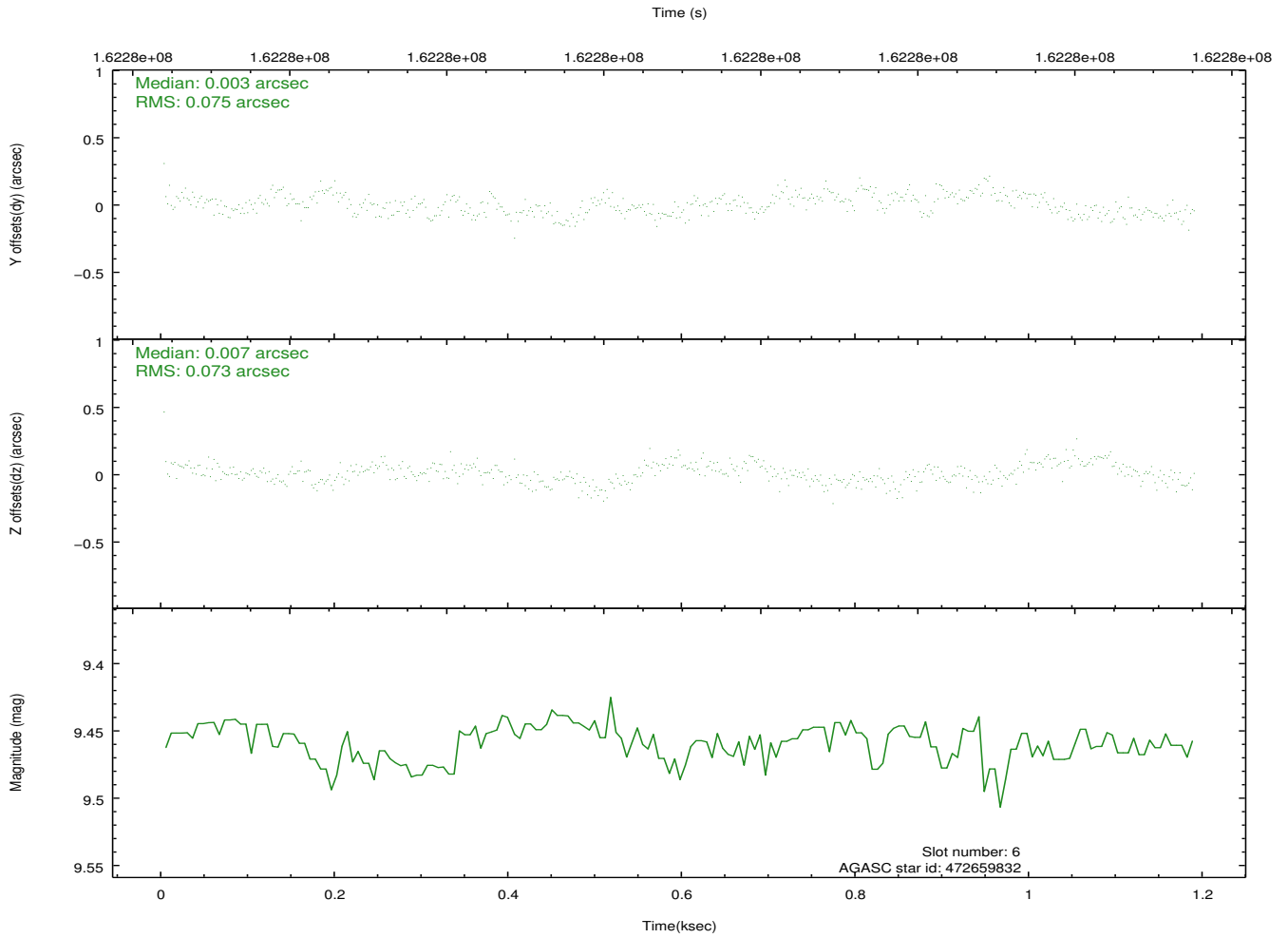
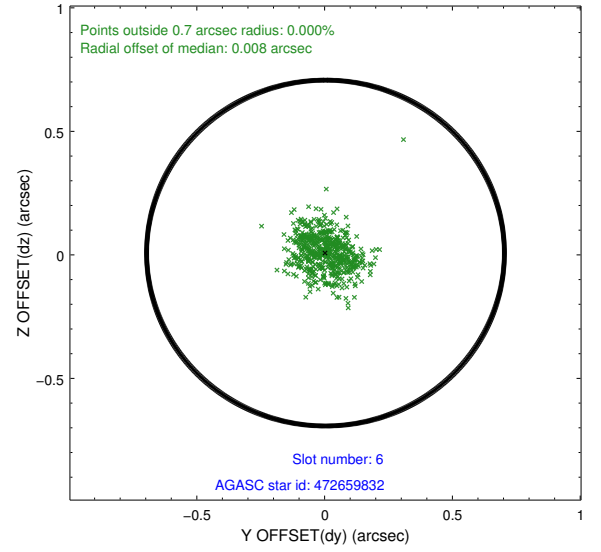
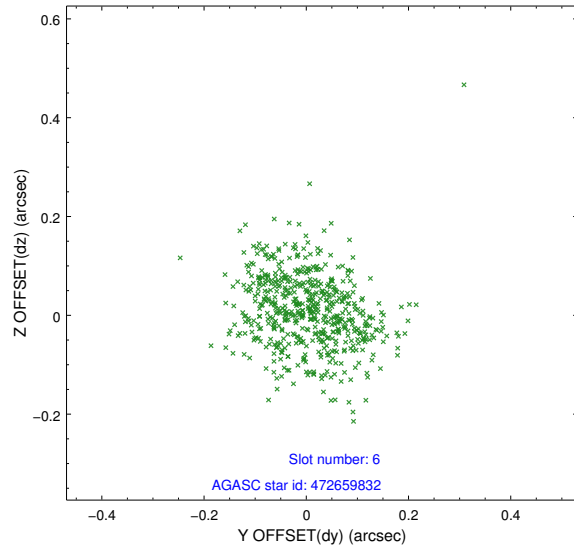
2.4.2 Slot 4



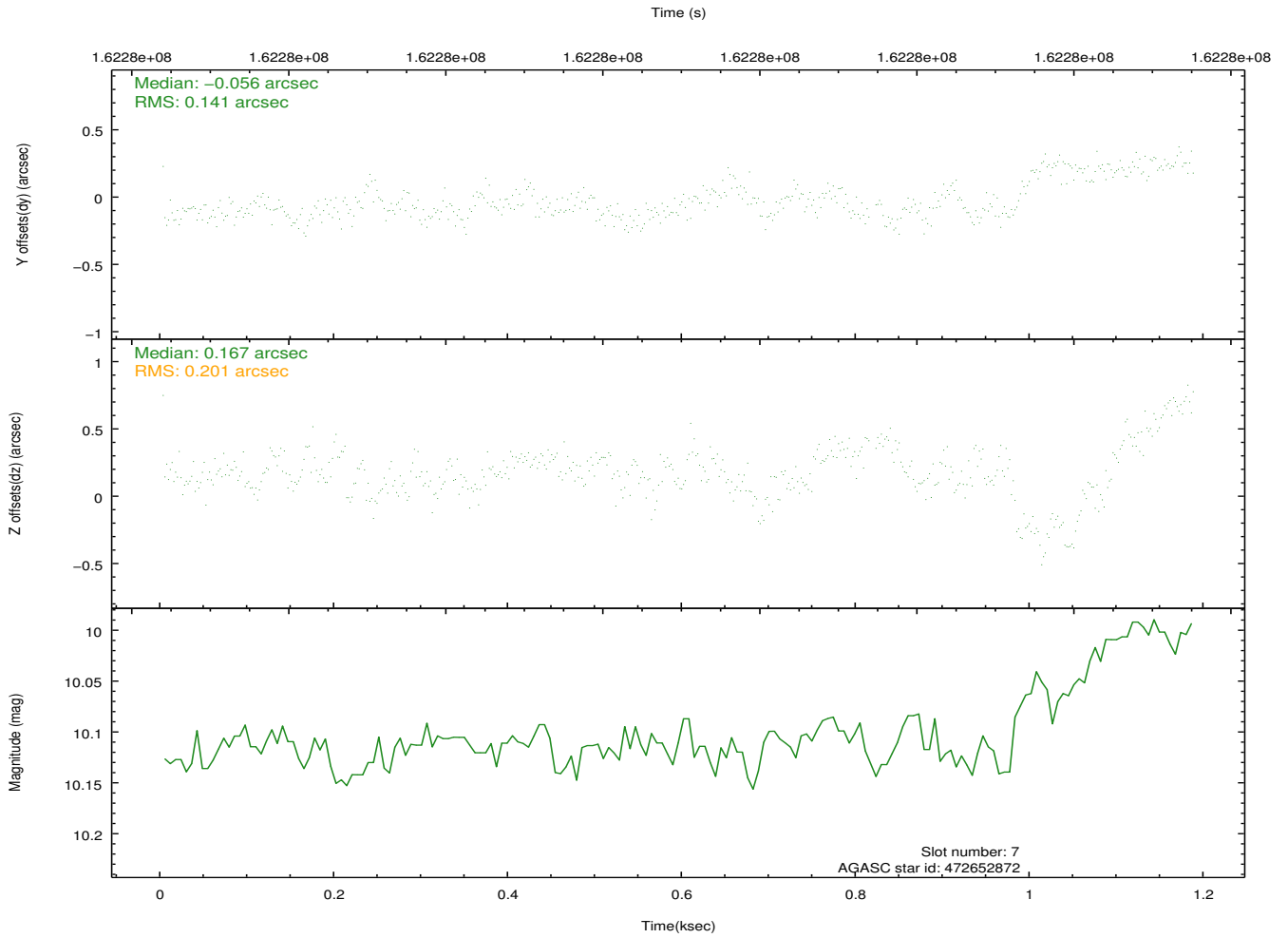
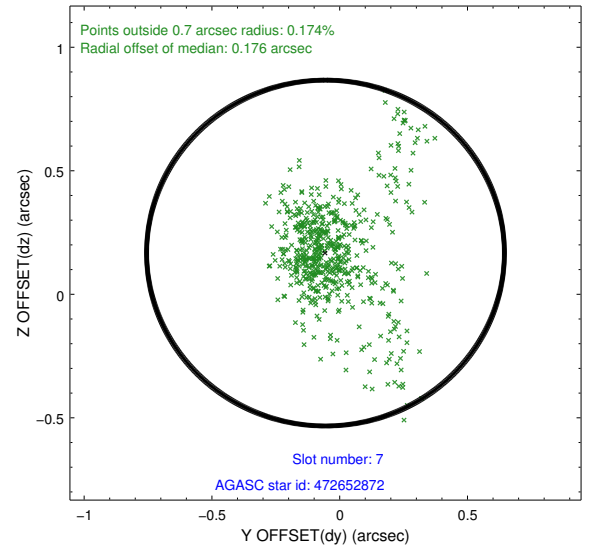
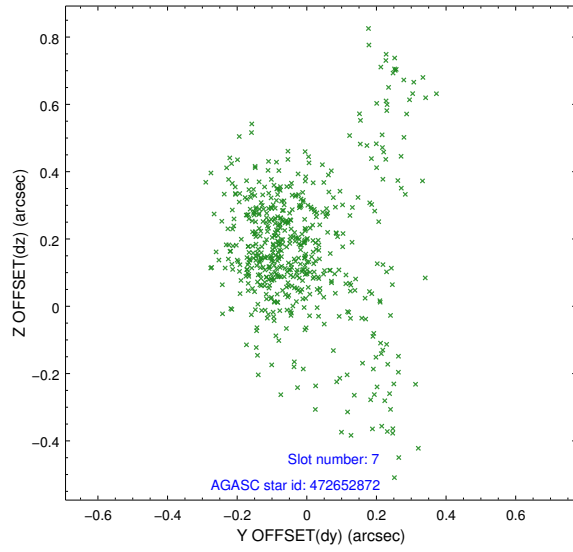
2.4.3 Slot 5



2.4.4 Slot 6

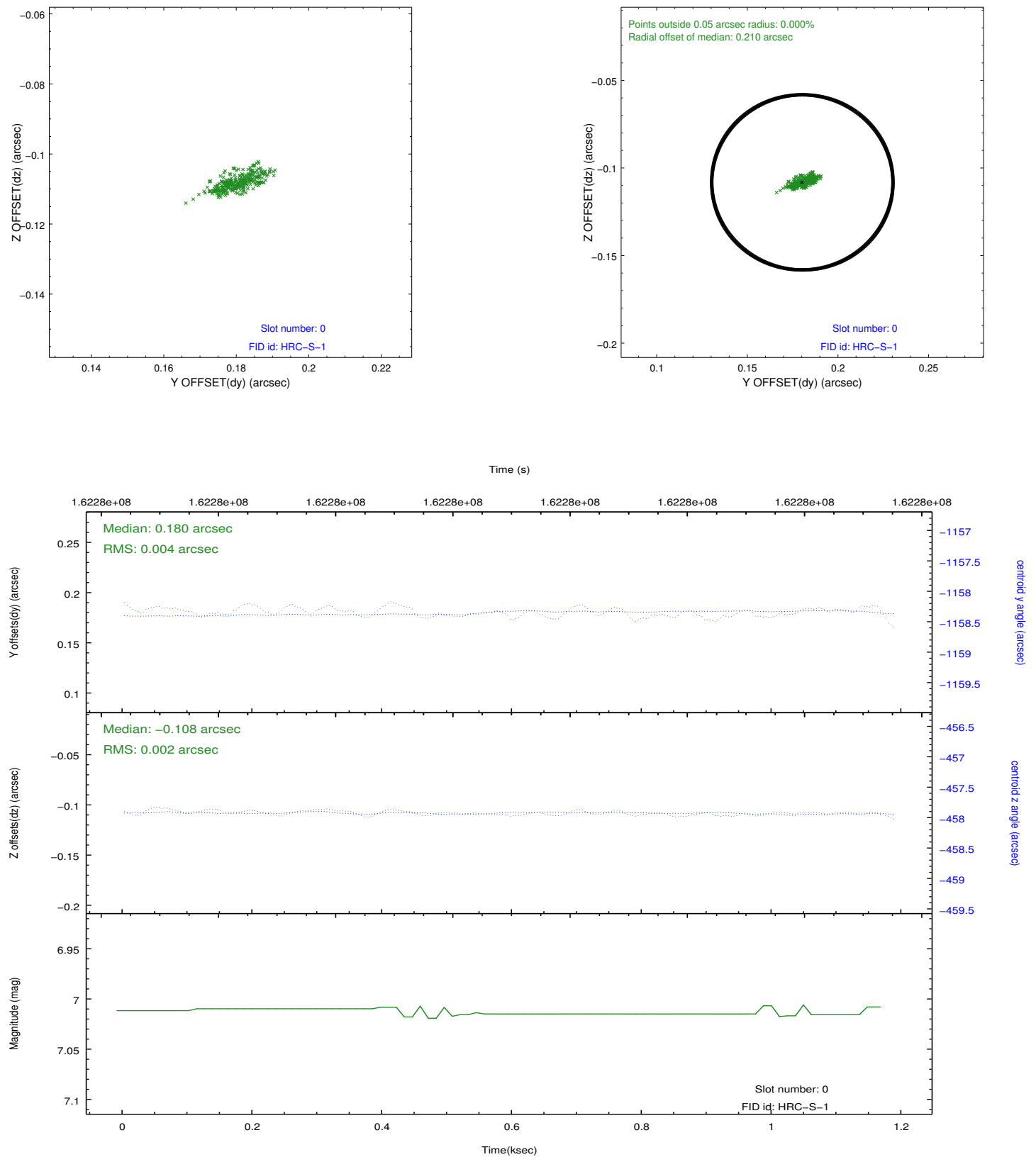


2.4.5 Slot 7

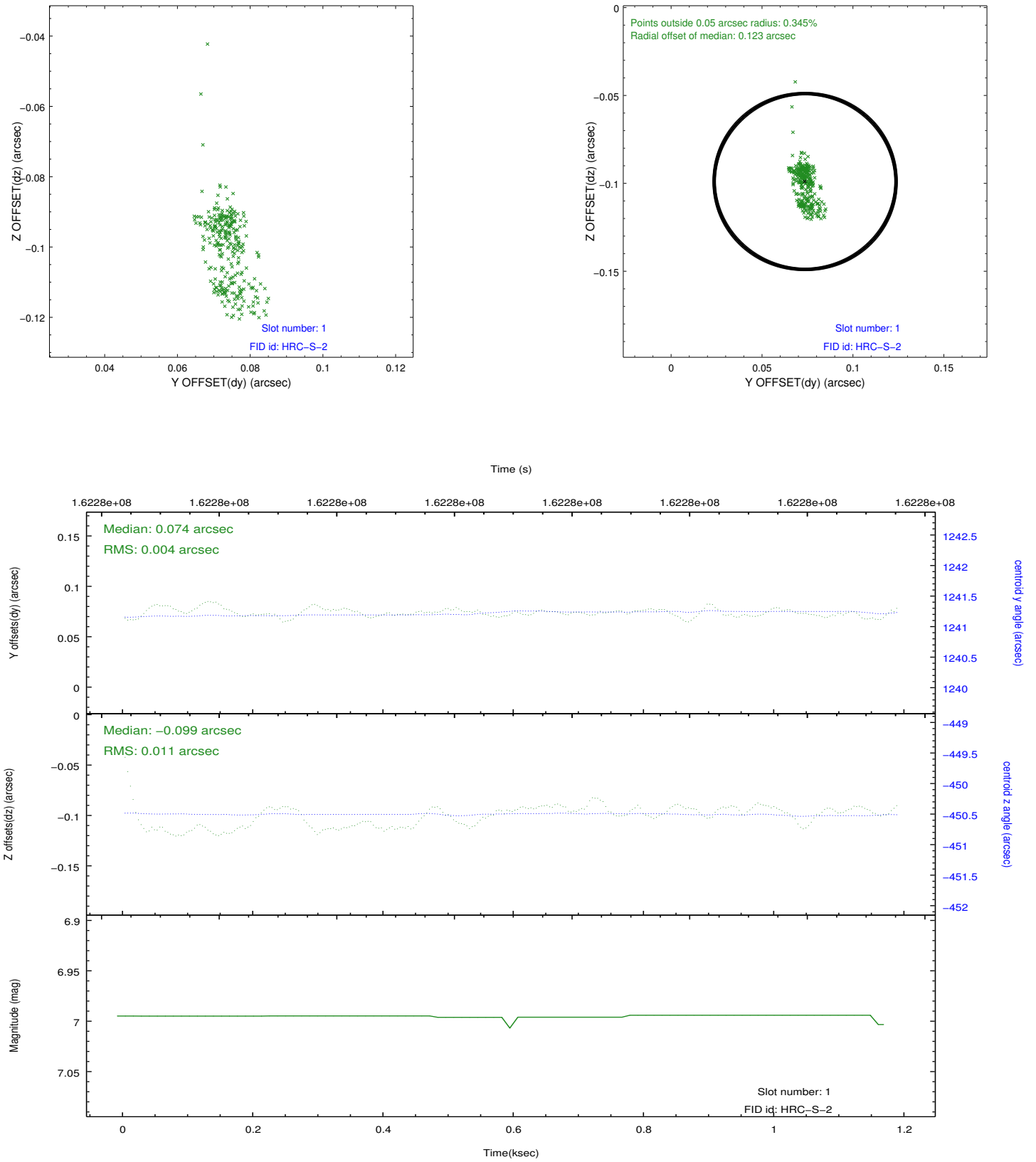


2.5 FID Slots

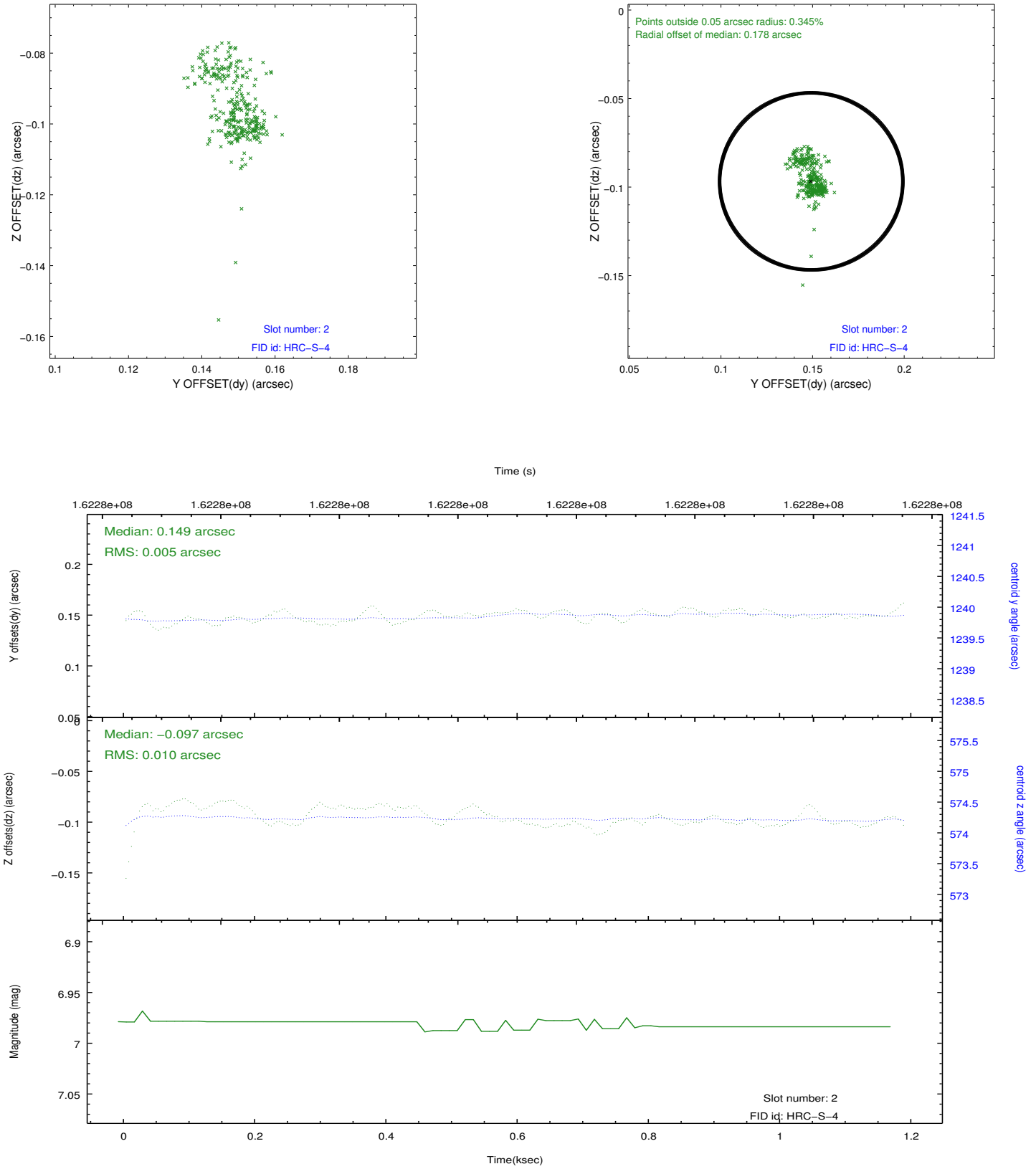
2.5.1 Slot 0



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	1.141

A.2 Comments