

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5087 - L2 Version 3
Chandra X-Ray Center

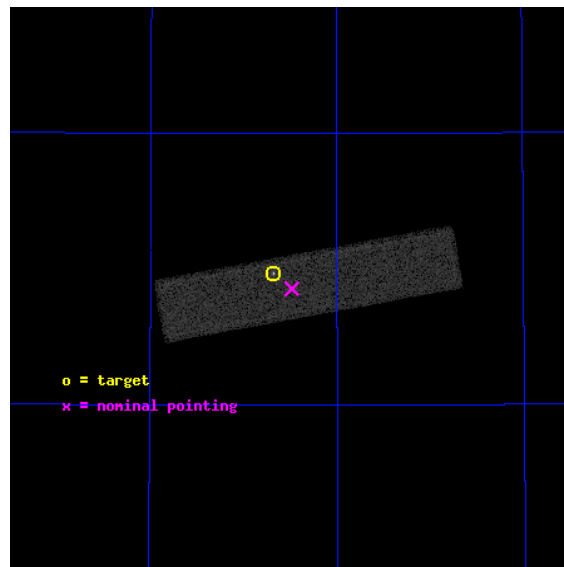
L2 Processing Date : Nov 11 2012

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1 Front

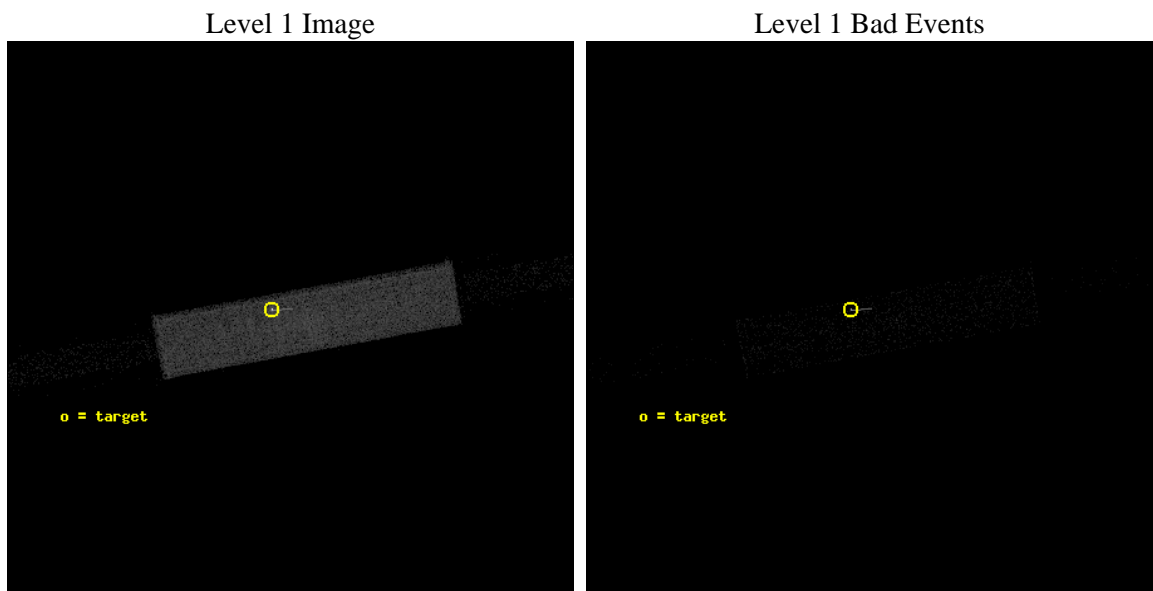
seq_num	290360	Sequence number
obs_id	5087	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12043881908	Nominal RA [deg]
dec_nom	45.713967845088	Nominal Dec [deg]
roll_nom	349.5704756731	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1087.7812975645	[s]
livetime	1082.0783015326	Ontime multiplied by DTCOR
l2events	40191	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	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1087.7812975645	[s]
caldbver	4.5.2	 	l1events	67062	Number of level 1 events
date	2012-11-11T14:50:08	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

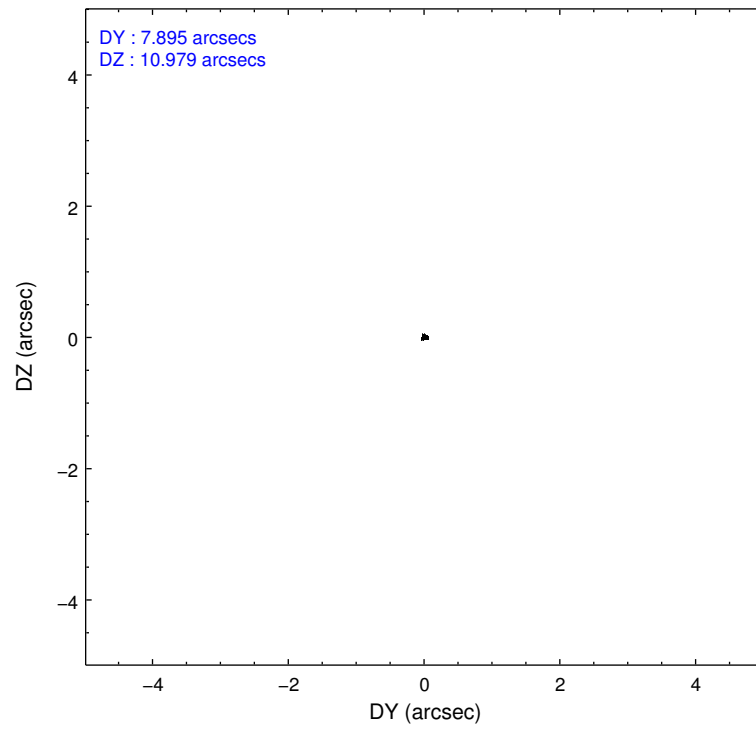
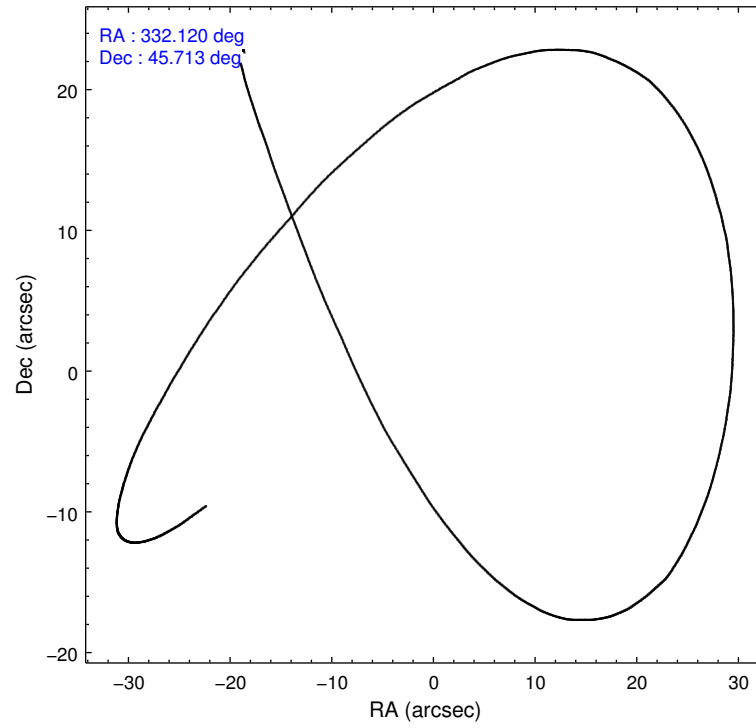
Level 1 Events

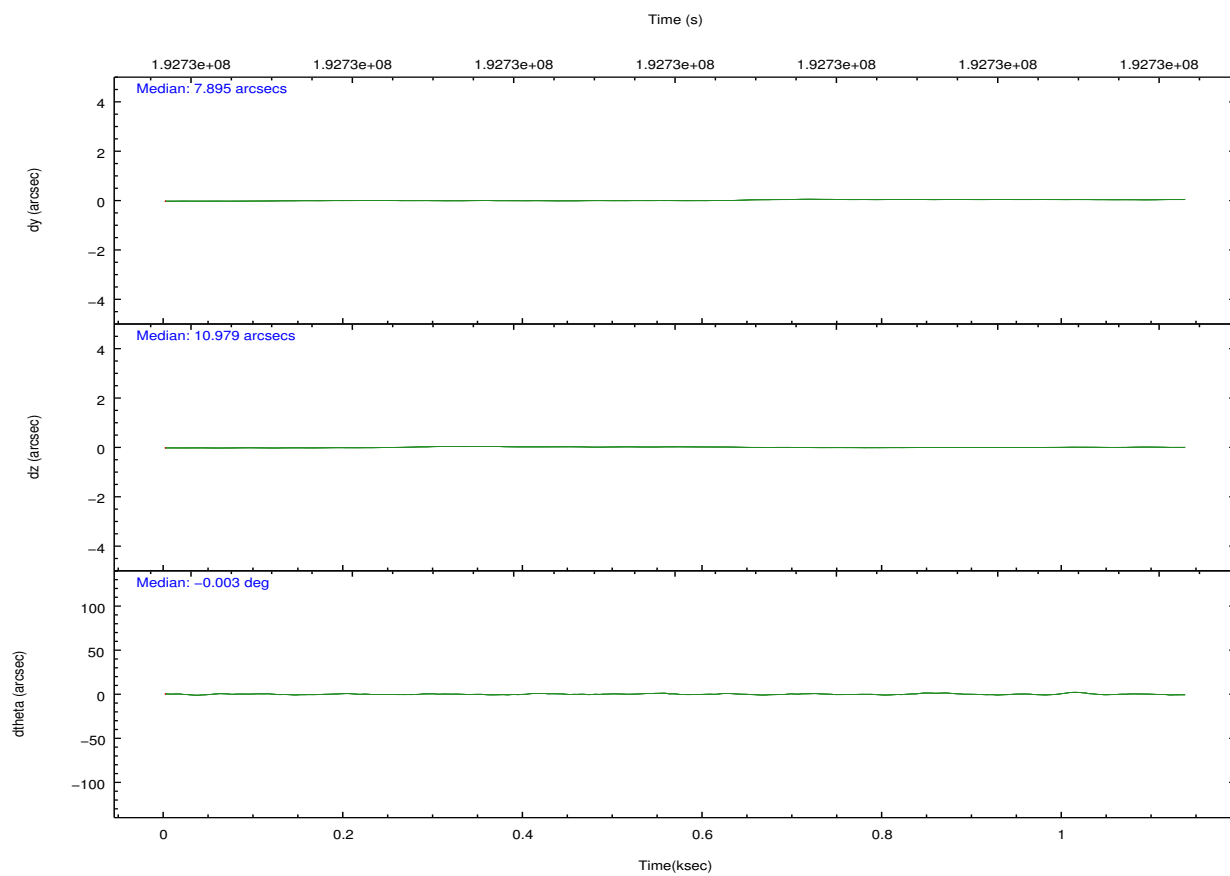
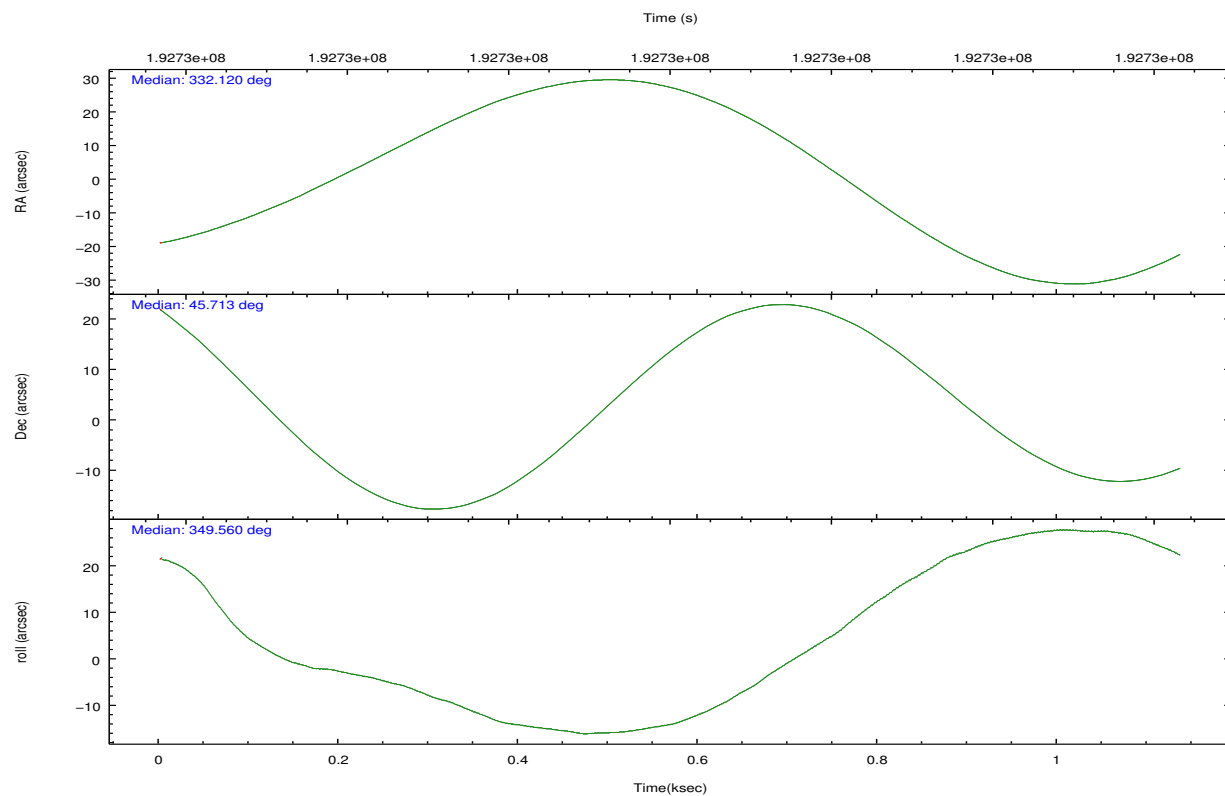
	segment 1	segment 2	segment 3
level 1 events	1048	64957	1057
rejected events	1048	15349	1057
rejected %	100%	23%	100%

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	332.083035	332.1204388190812			
[deg] Pointing Dec	45.703726	45.71396784508767			
[deg] Pointing Roll	349.529950	349.5704756730994			
[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)	192728625.184000	192728249.12238			
Observation start date	2004-02-09T15:42:41	2004-02-09T15:37:29			
[s] Observation end time (MET)	192729571.184000	192729704.62245			
Observation end date	2004-02-09T15:58:27	2004-02-09T16:01:44			

2.3 Aspect



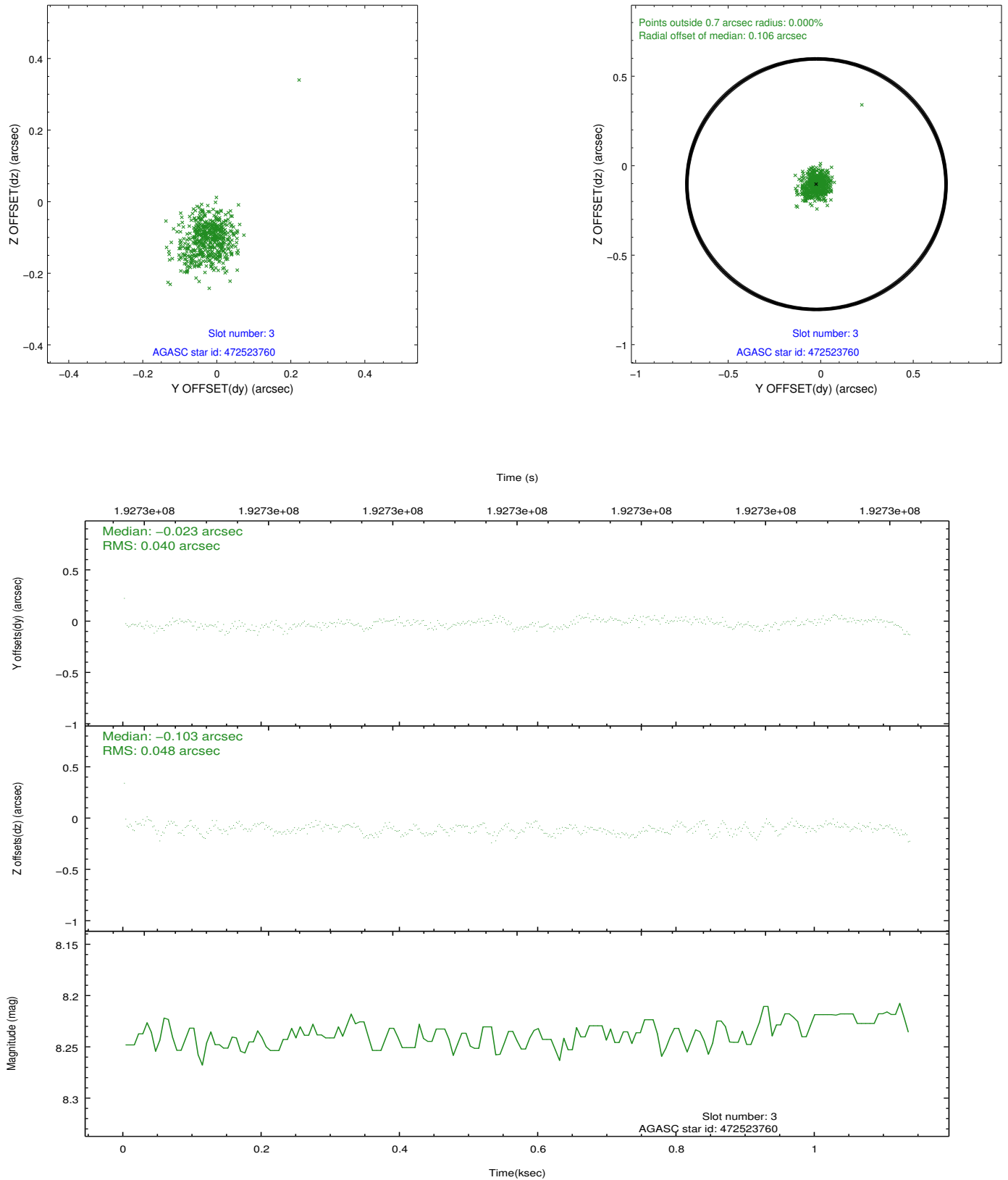


Slot Statistics

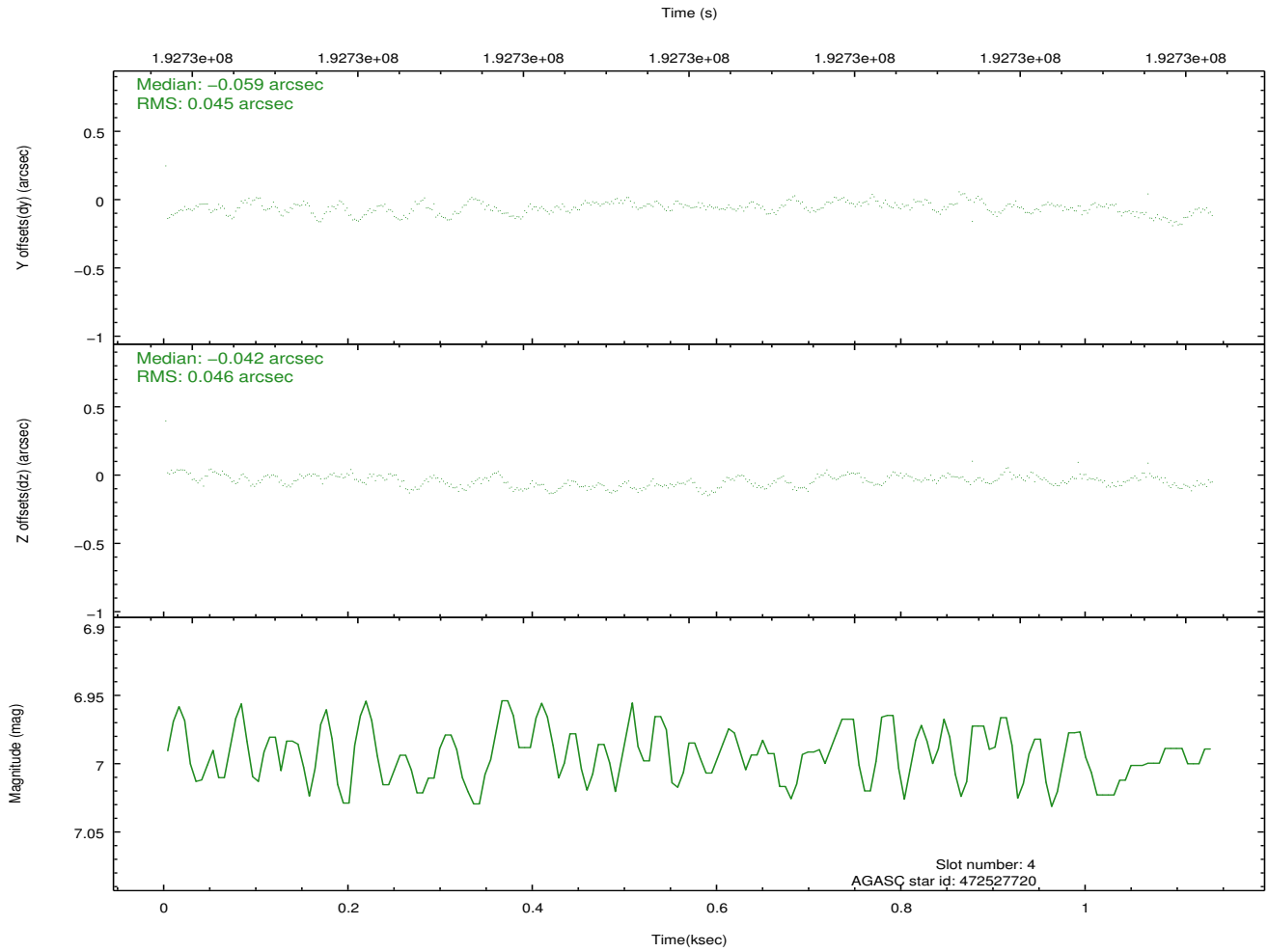
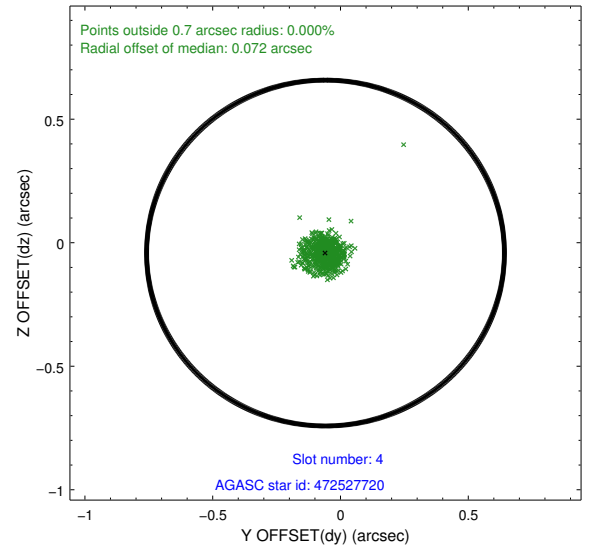
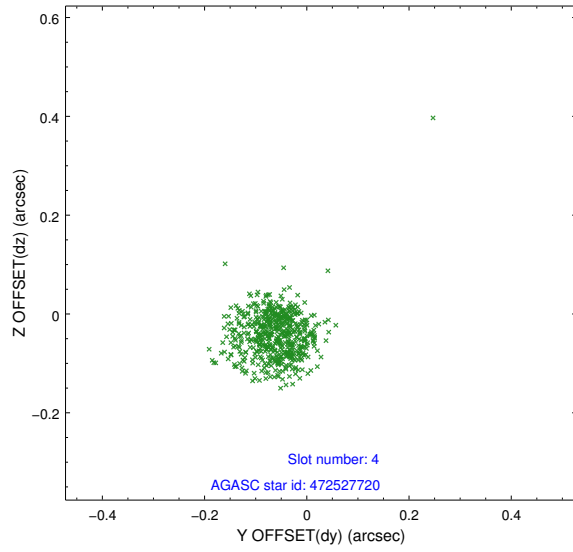
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	278	0.147	-0.167	0.008	0.012	0.000000	0.000000	-1162.06	-459.69
1	FID	HRC-S-2	7.03	278	0.133	-0.109	0.005	0.010	0.000000	0.000000	1233.42	-453.95
2	FID	HRC-S-3	7.04	278	0.110	-0.026	0.006	0.011	0.000000	0.000000	-1160.37	568.35
3	GUIDE	472523760	8.24	555	-0.023	-0.103	0.063	0.098	331.645363	45.403260	-890.72	-1259.18
4	GUIDE	472527720	6.99	555	-0.059	-0.042	0.063	0.100	331.460205	45.112509	-1170.71	-2374.15
5	GUIDE	472533912	9.17	555	-0.004	0.025	0.126	0.194	331.791136	46.368695	-1149.88	2221.99
6	GUIDE	472654568	9.43	554	-0.011	0.044	0.114	0.208	332.194449	45.063576	696.59	-2207.50
7	GUIDE	472655152	9.43	554	0.106	0.105	0.092	0.149	332.504239	45.862991	935.87	757.50

2.4 Star Slots

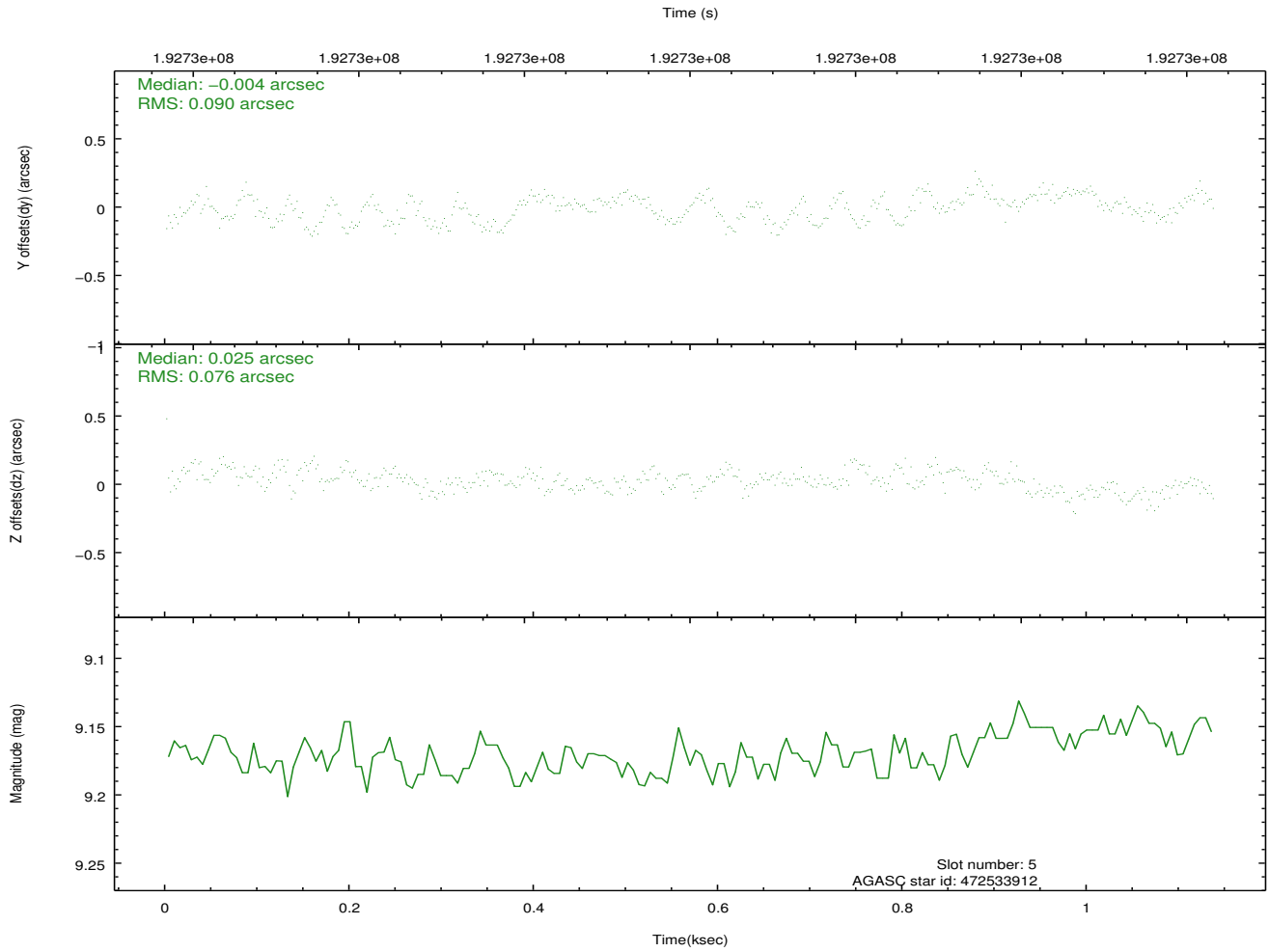
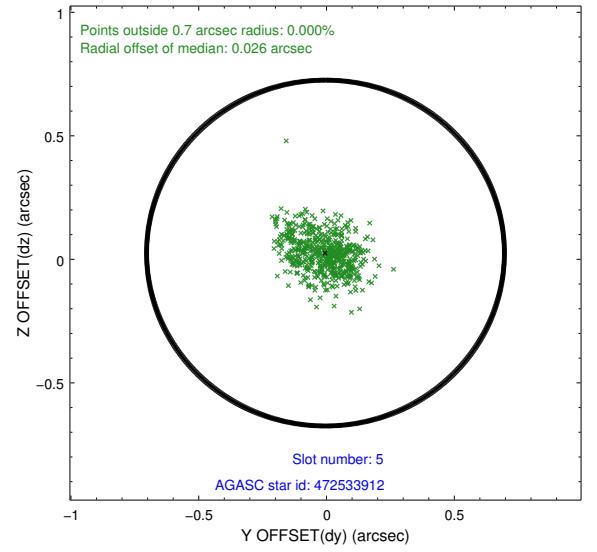
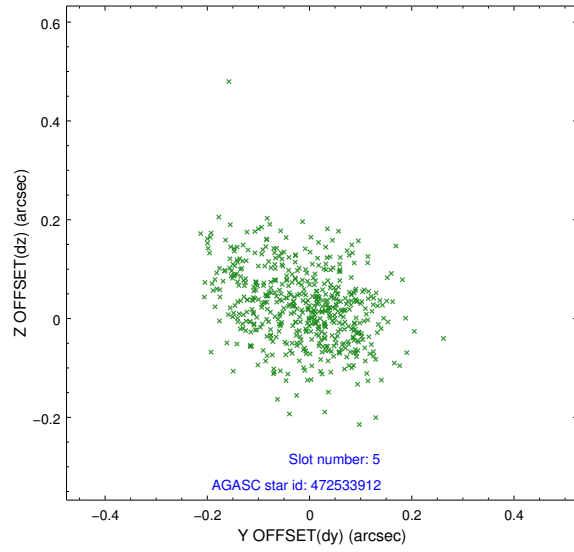
2.4.1 Slot 3



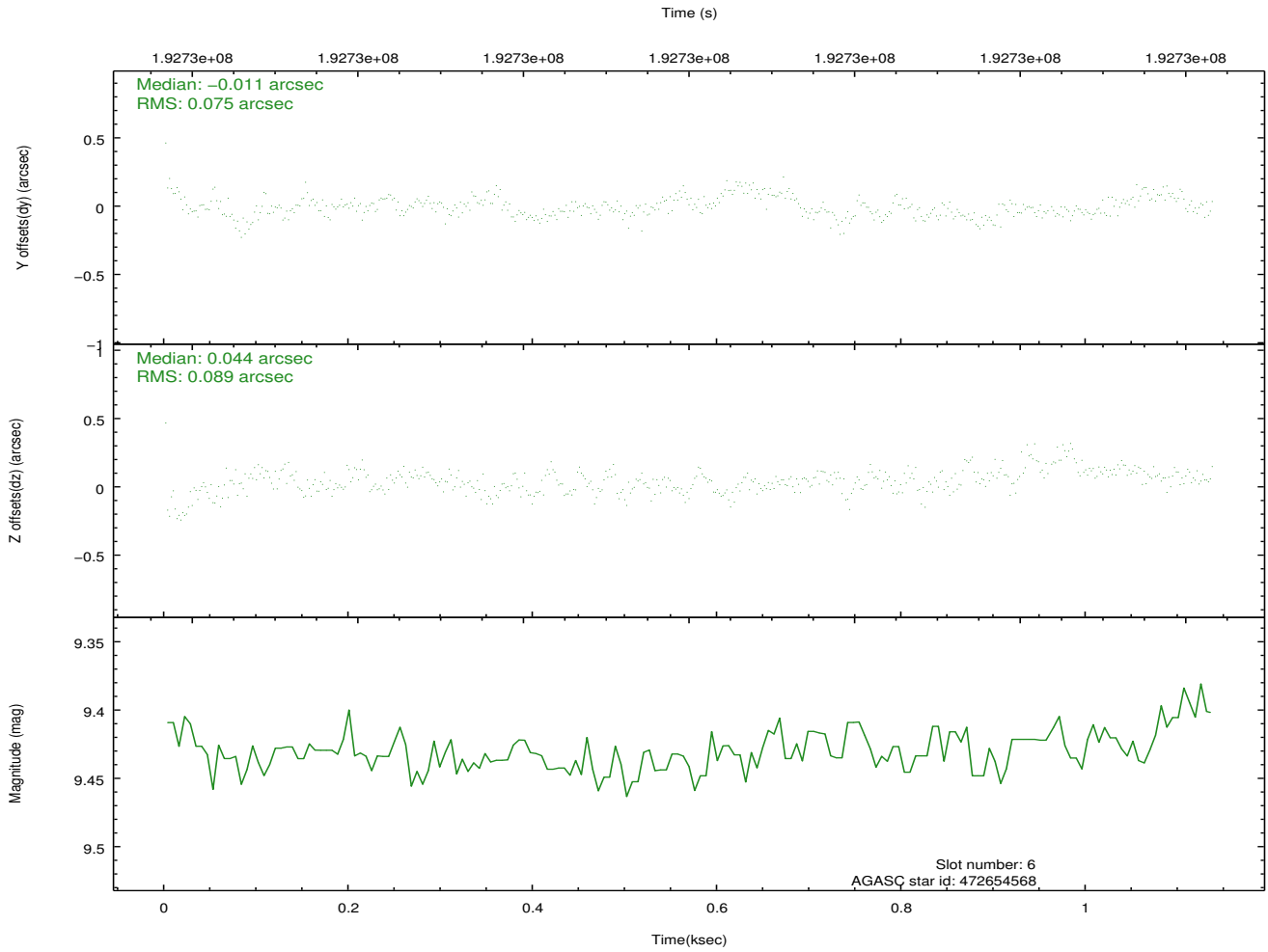
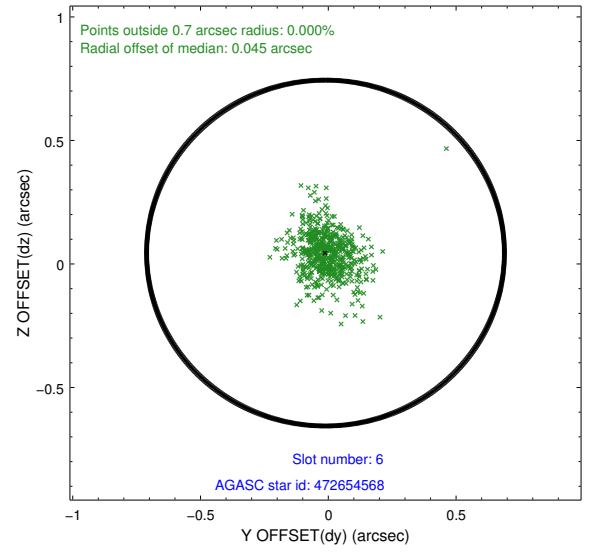
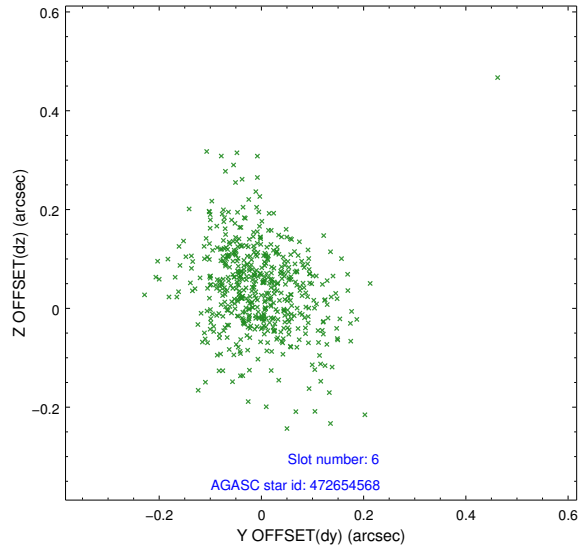
2.4.2 Slot 4



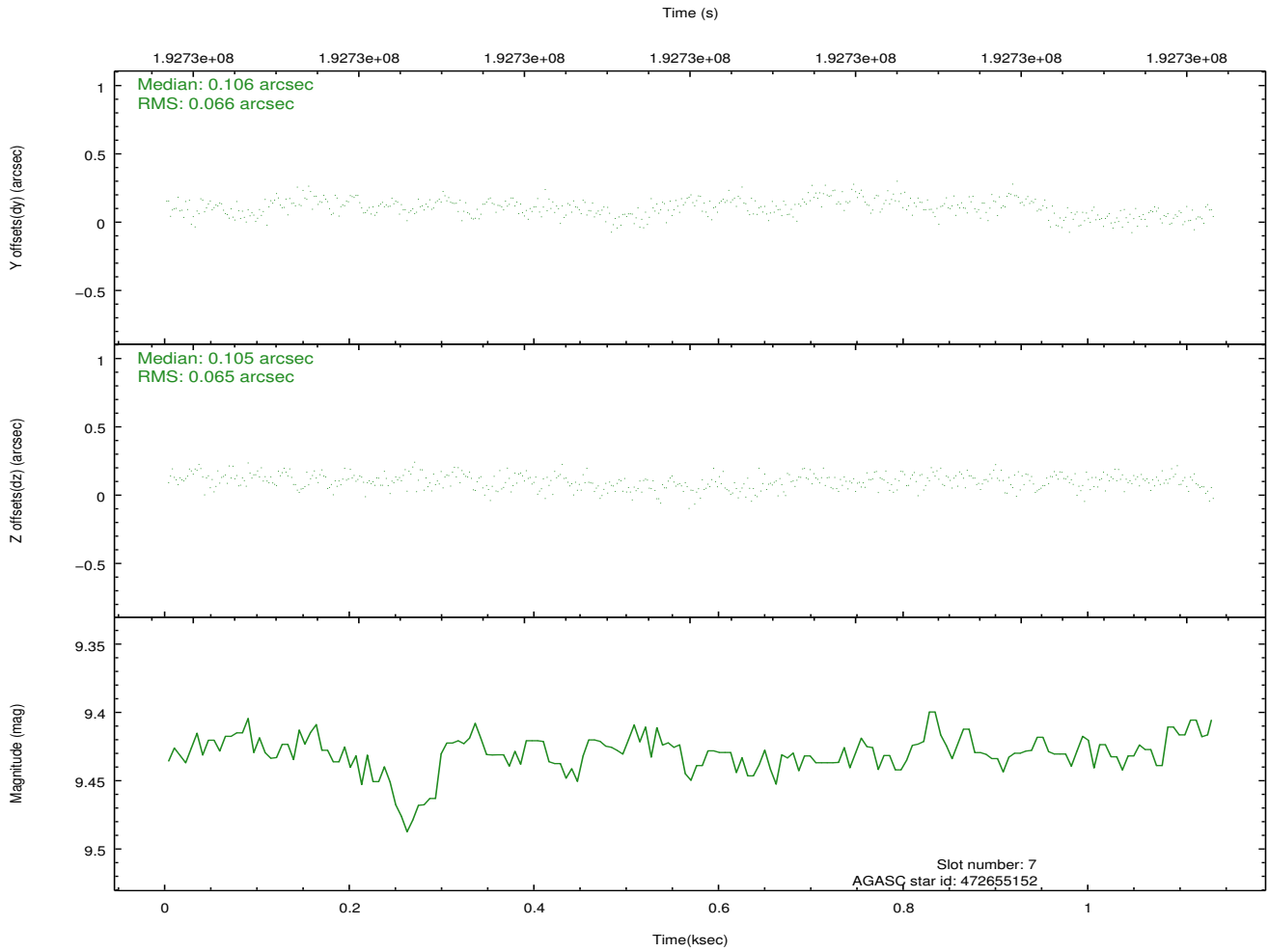
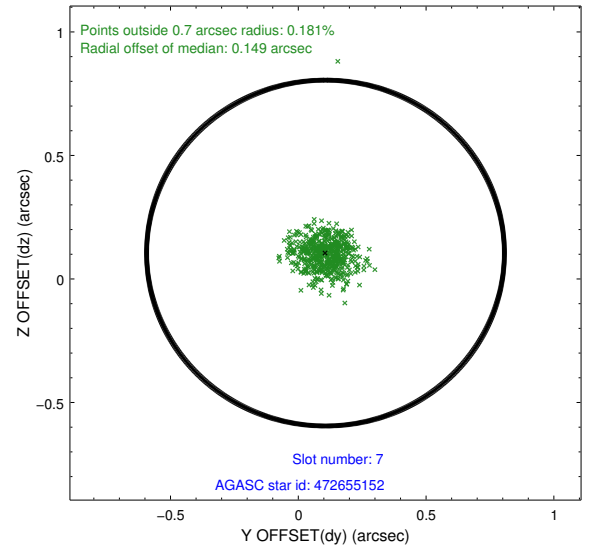
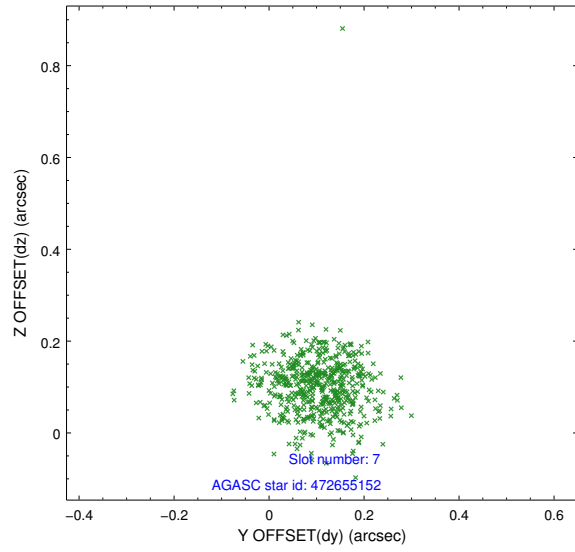
2.4.3 Slot 5



2.4.4 Slot 6

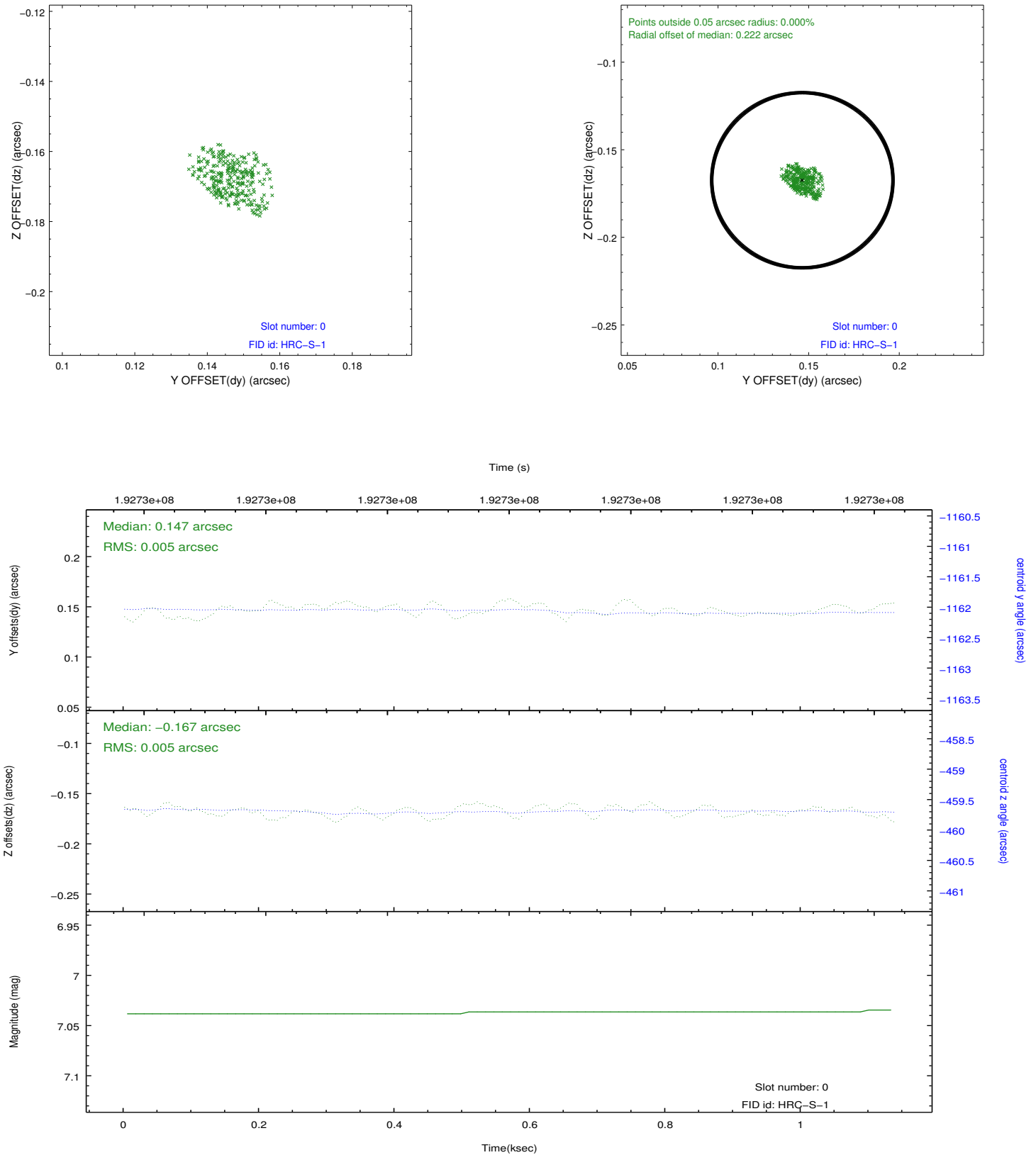


2.4.5 Slot 7

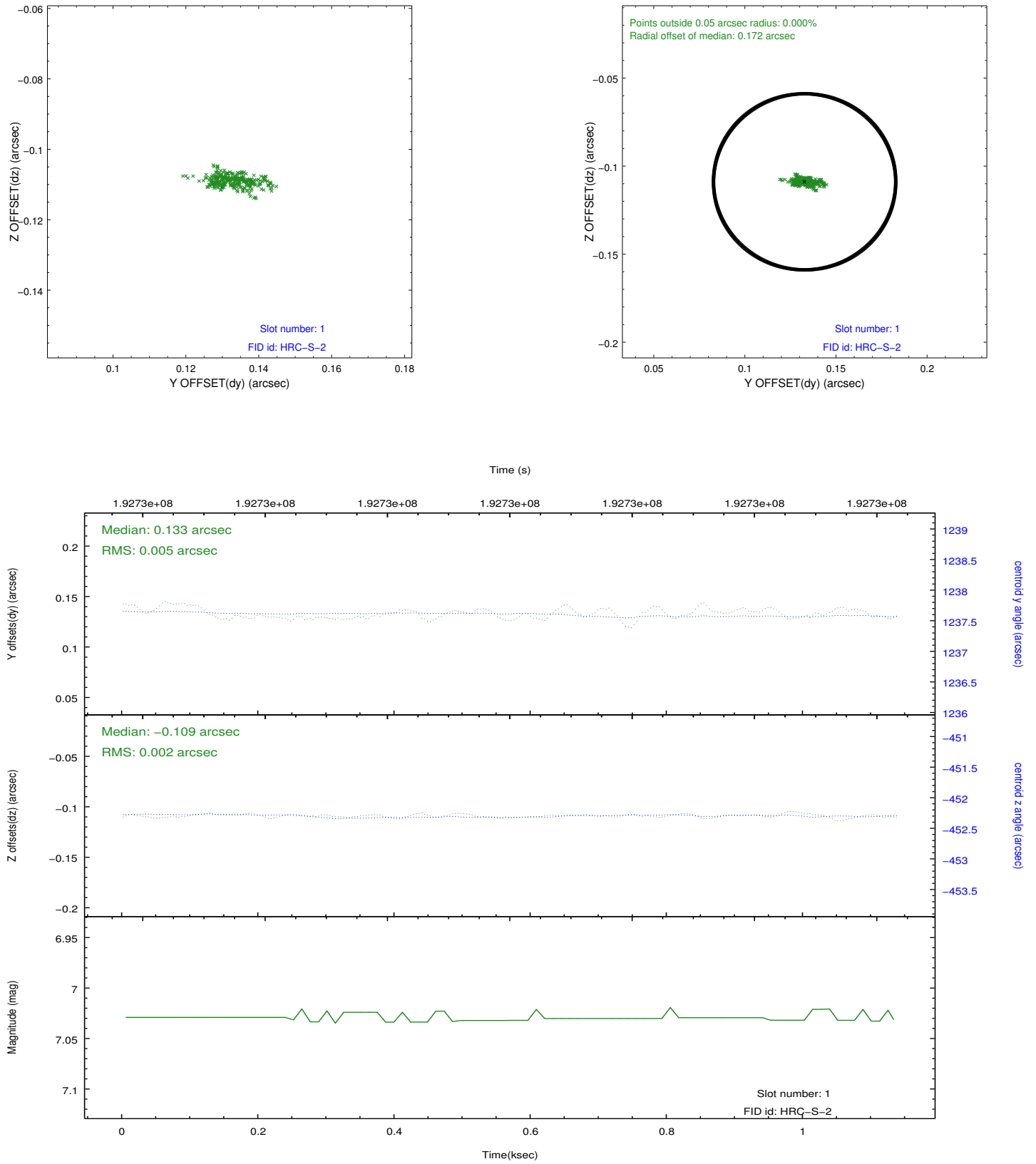


2.5 FID Slots

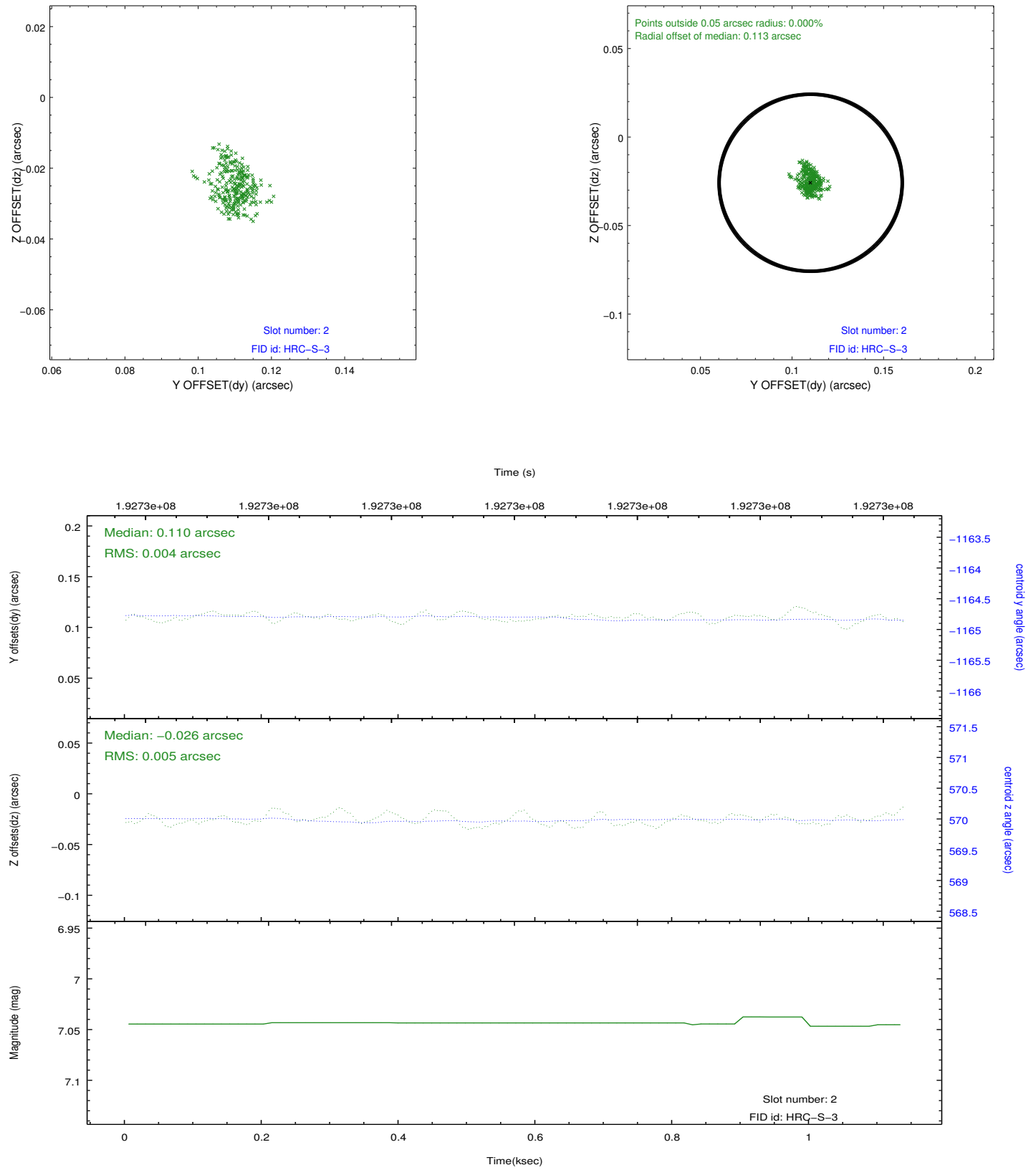
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.087

A.2 Comments