

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5113 - L2 Version 3
Chandra X-Ray Center

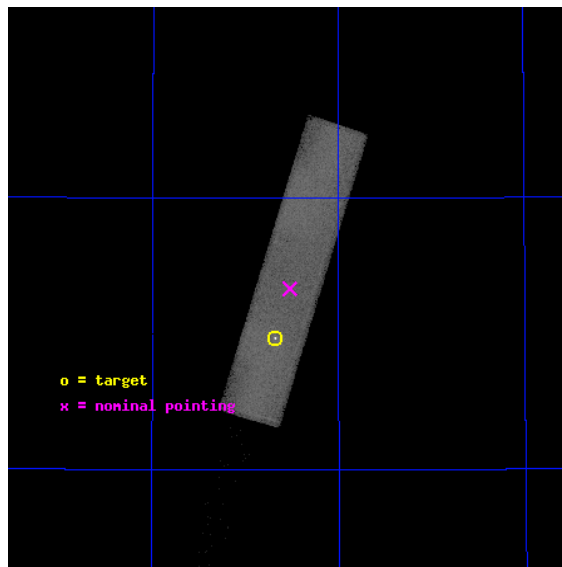
L2 Processing Date : Dec 11 2012

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1 Front

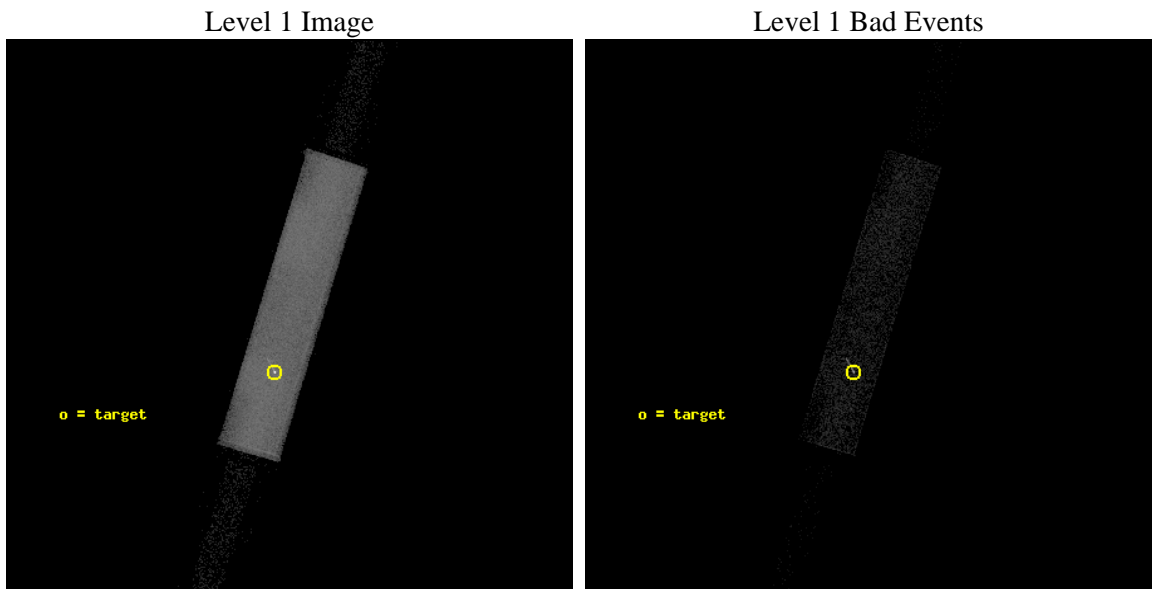
seq_num	290386	Sequence number
obs_id	5113	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13087109827	Nominal RA [deg]
dec_nom	45.833604869026	Nominal Dec [deg]
roll_nom	287.00986898813	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1050.6250472367	[s]
livetime	1012.1746036998	Ontime multiplied by DTCOR
l2events	138946	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1050.6250472367	[s]
caldsver	4.5.4	 	l1events	199417	Number of level 1 events
date	2012-12-12T00:11:29	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

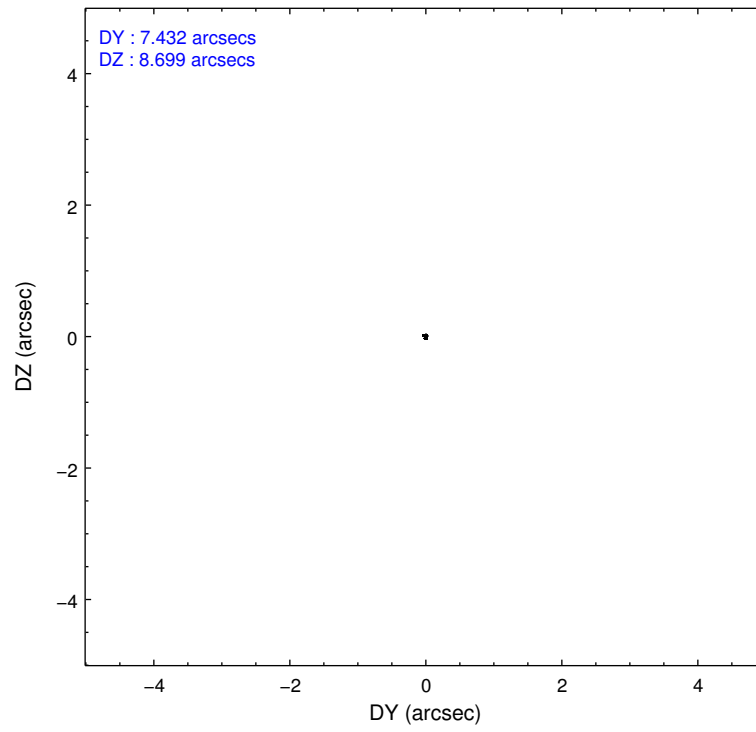
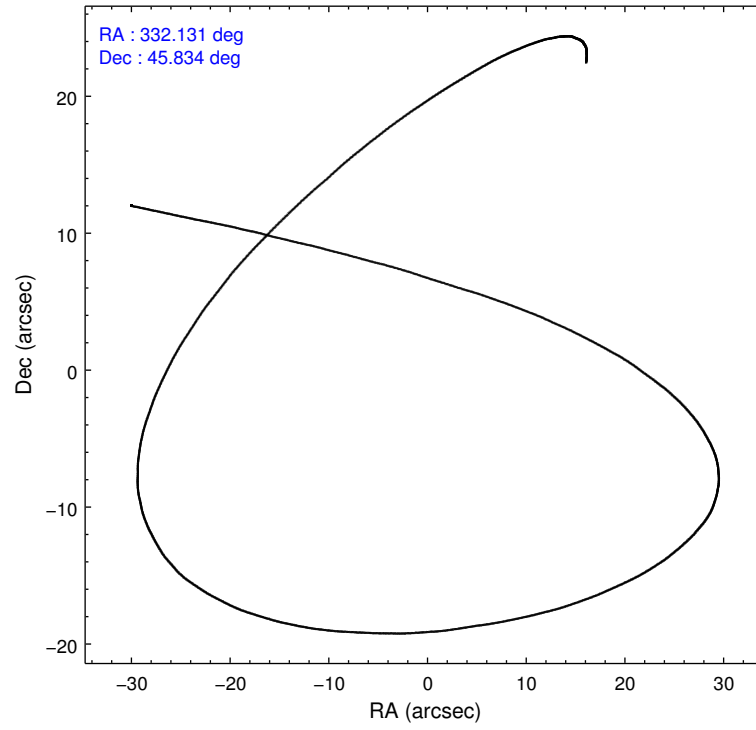
Level 1 Events

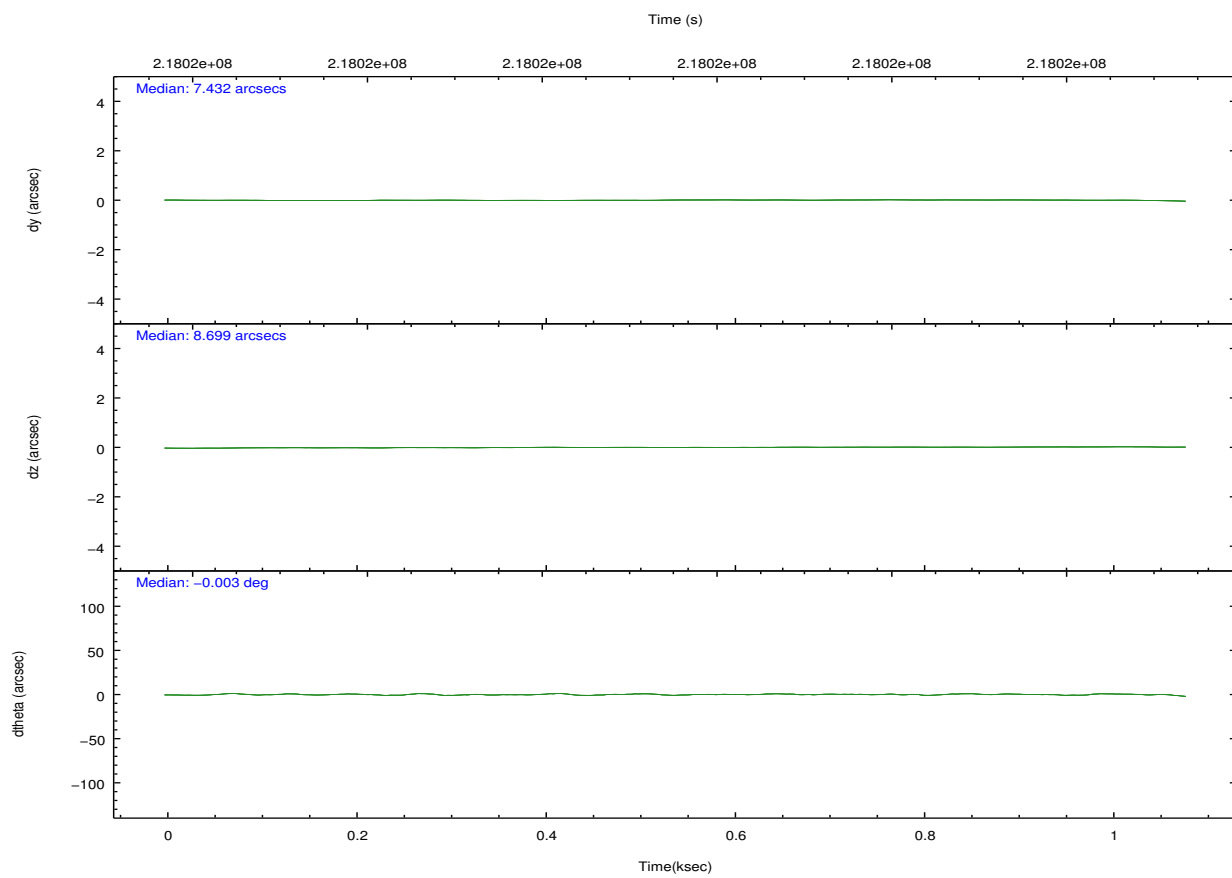
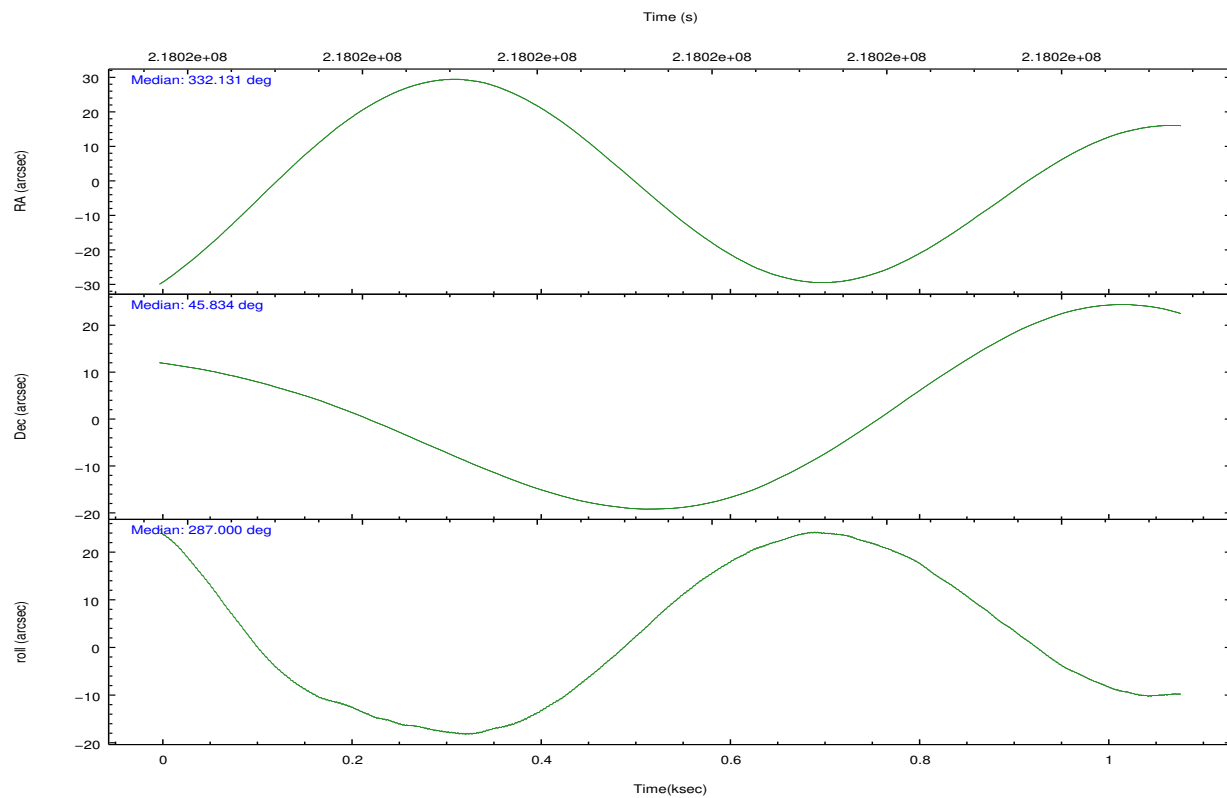
	segment 1	segment 2	segment 3
level 1 events	1647	196275	1495
rejected events	1647	45598	1436
rejected %	100%	23%	96%

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	332.098631	332.1308710982738			
[deg] Pointing Dec	45.851891	45.83360486902632			
[deg] Pointing Roll	286.965668	287.0098689881349			
[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)	218024193.184000	218023816.78143			
Observation start date	2004-11-28T10:15:29	2004-11-28T10:10:16			
[s] Observation end time (MET)	218025093.184000	218025226.66899			
Observation end date	2004-11-28T10:30:29	2004-11-28T10:33:46			

2.3 Aspect



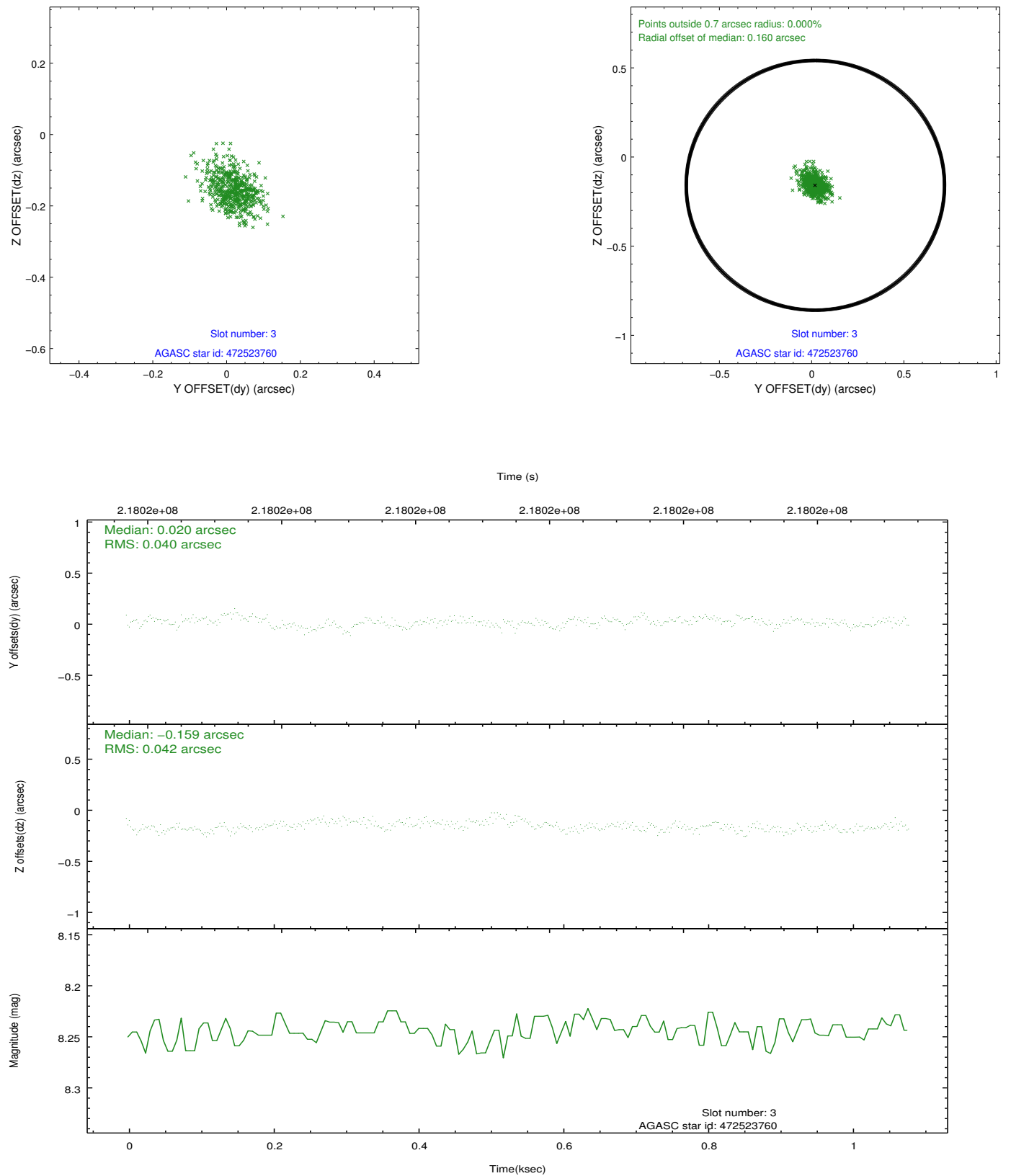


Slot Statistics

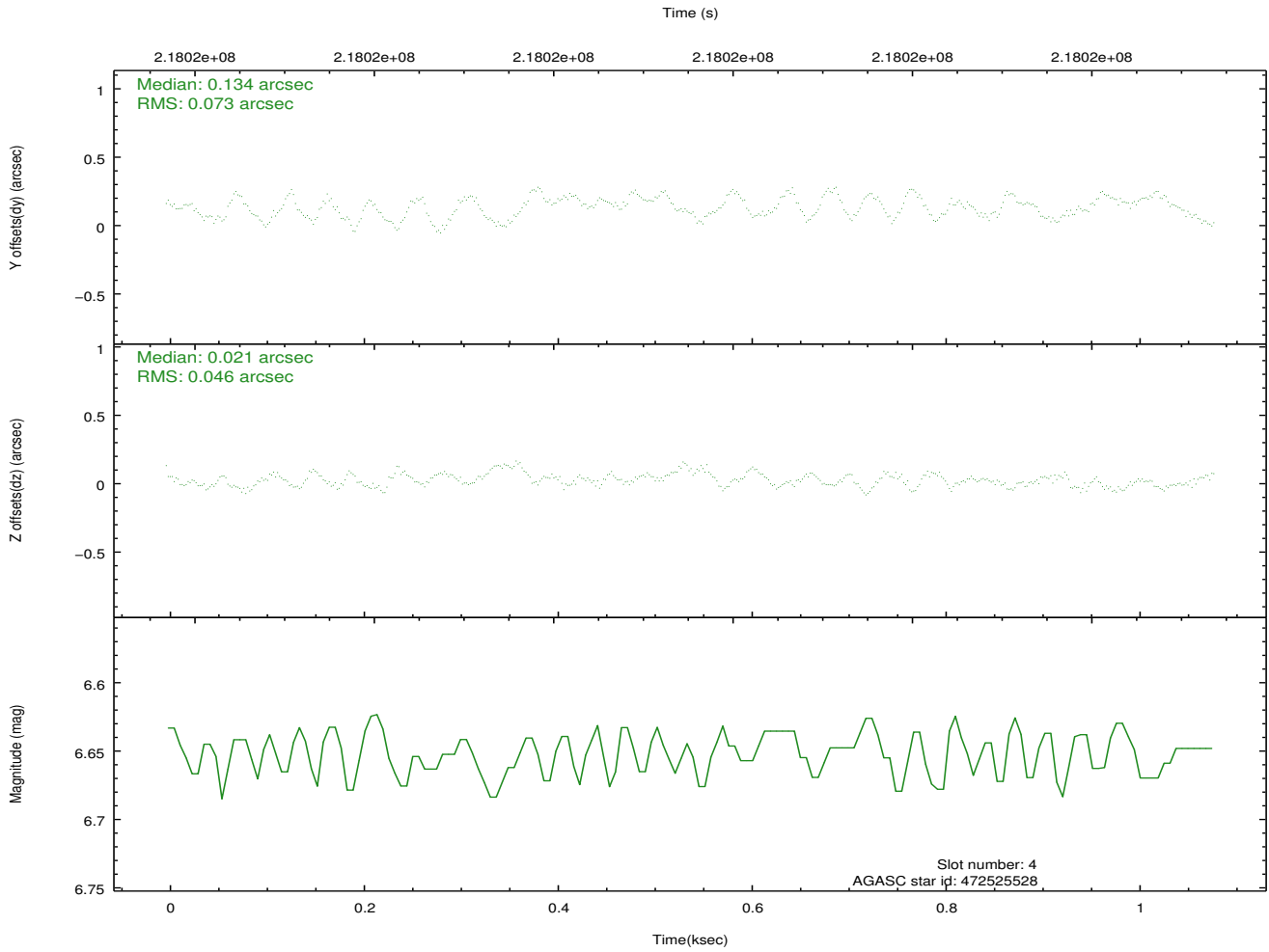
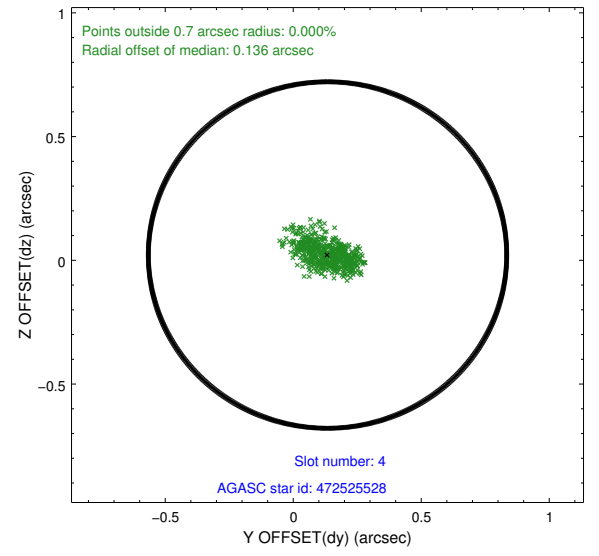
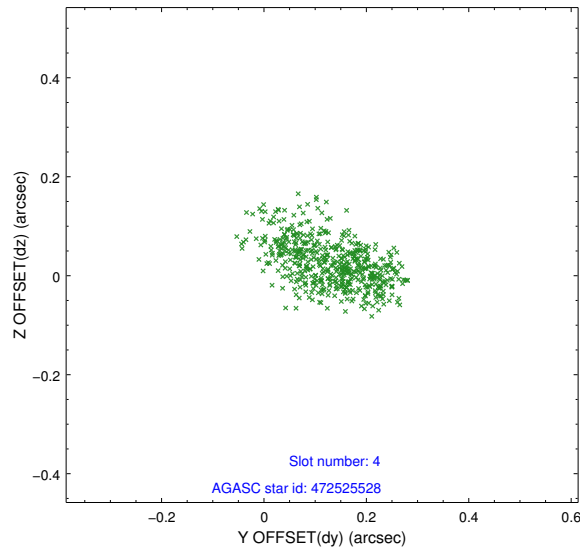
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	264	0.139	-0.148	0.007	0.013	0.000000	0.000000	-1161.59	-457.34
1	FID	HRC-S-2	7.04	264	0.160	-0.117	0.005	0.008	0.000000	0.000000	1233.72	-451.67
2	FID	HRC-S-3	7.05	264	0.091	-0.037	0.007	0.012	0.000000	0.000000	-1159.68	570.59
3	GUIDE	472523760	8.24	527	0.020	-0.159	0.059	0.102	331.645363	45.403260	1207.93	-1568.11
4	GUIDE	472525528	6.65	528	0.134	0.021	0.095	0.146	331.551102	45.248694	1670.57	-1964.26
5	GUIDE	472655152	9.43	528	-0.006	0.004	0.099	0.157	332.504239	45.862991	259.34	979.41
6	GUIDE	472659832	9.46	527	-0.025	0.020	0.116	0.197	332.780399	46.098139	-357.82	1888.49
7	GUIDE	472533912	9.16	526	-0.112	0.090	0.092	0.156	331.791136	46.368695	-2004.41	-185.81

2.4 Star Slots

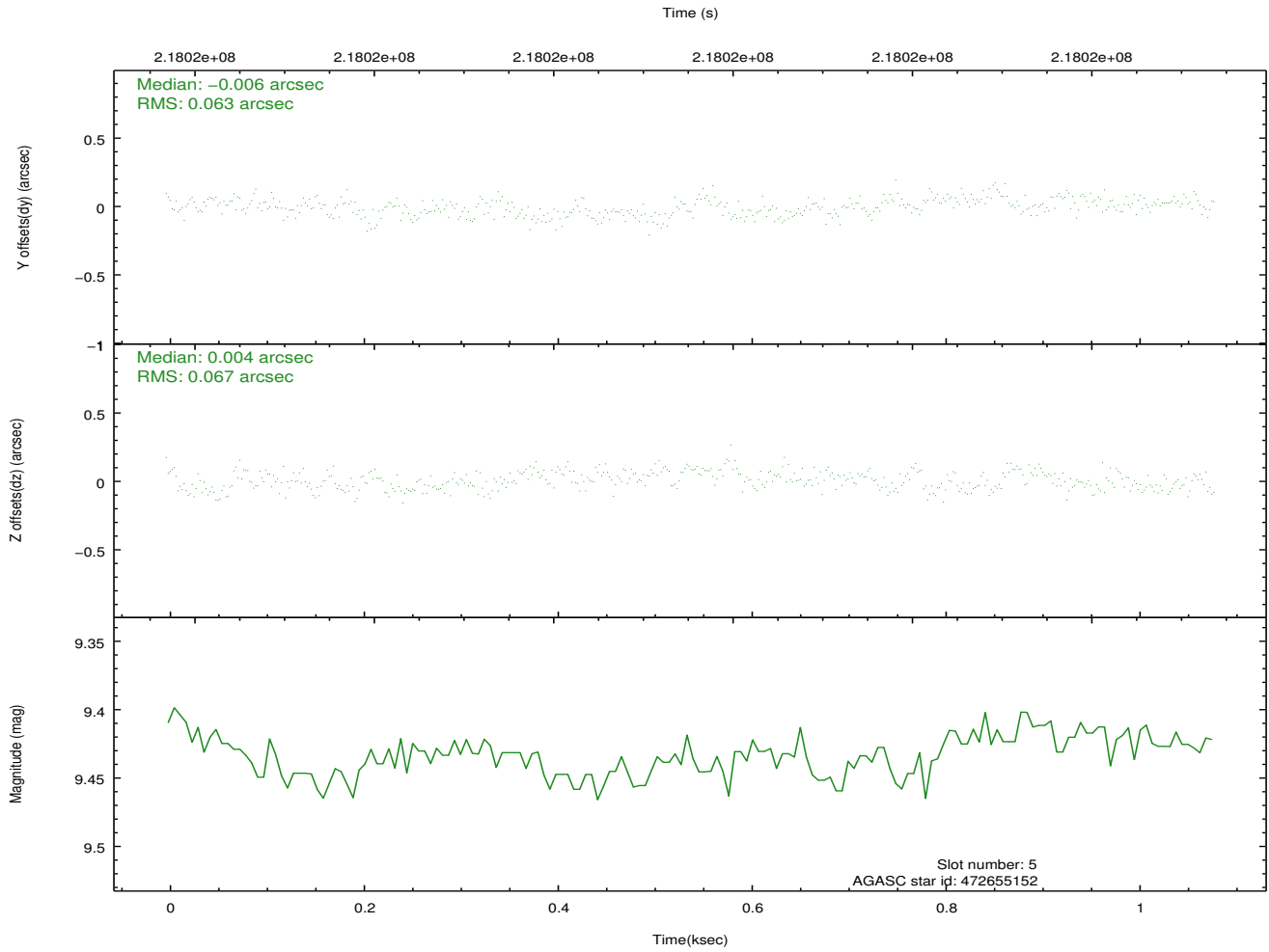
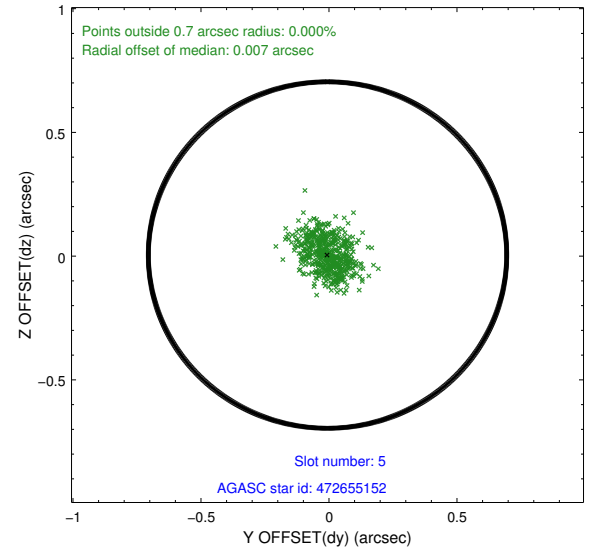
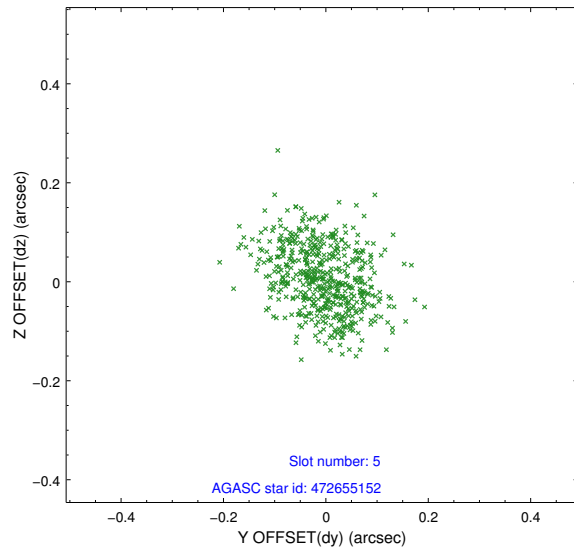
2.4.1 Slot 3



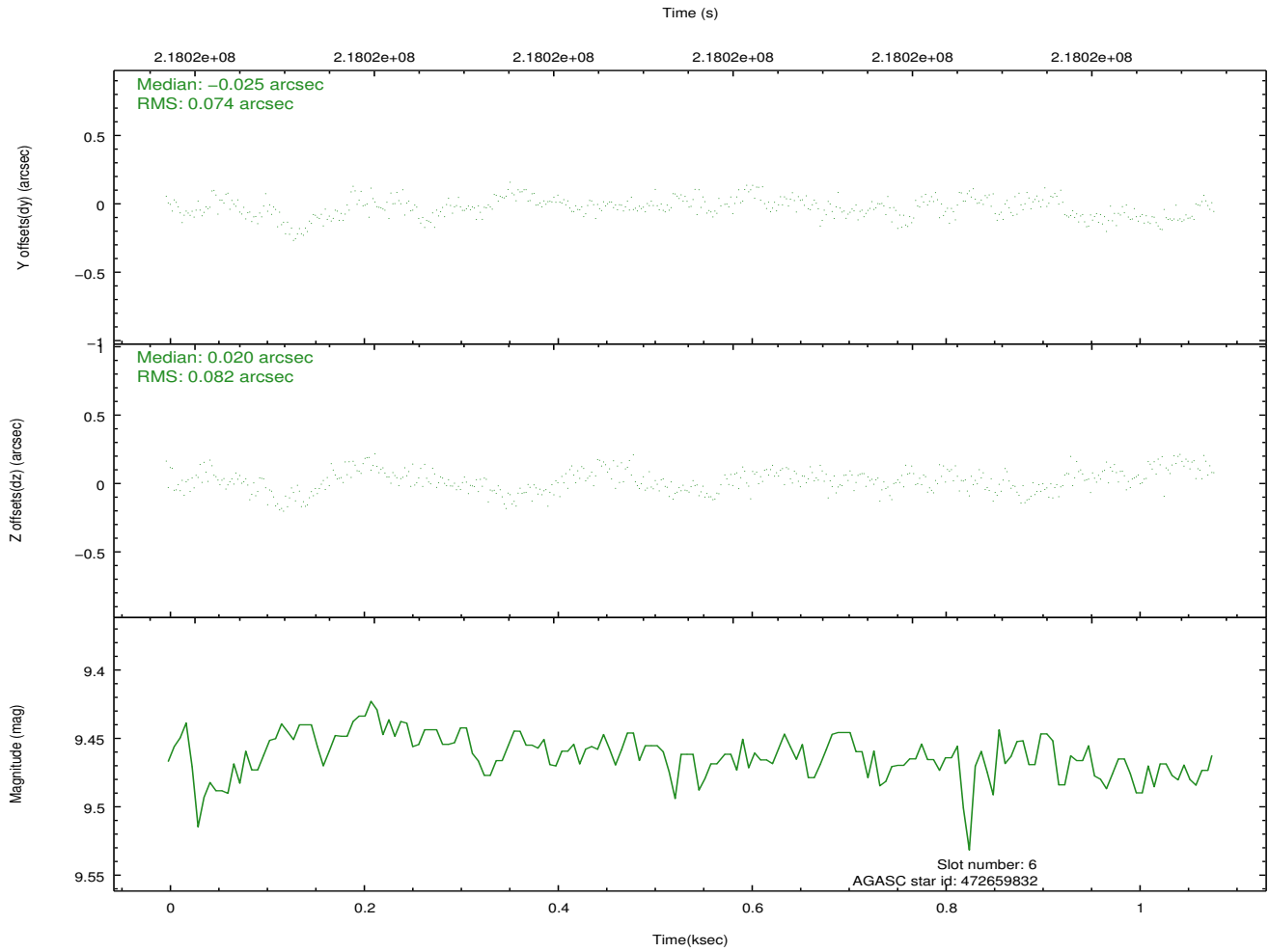
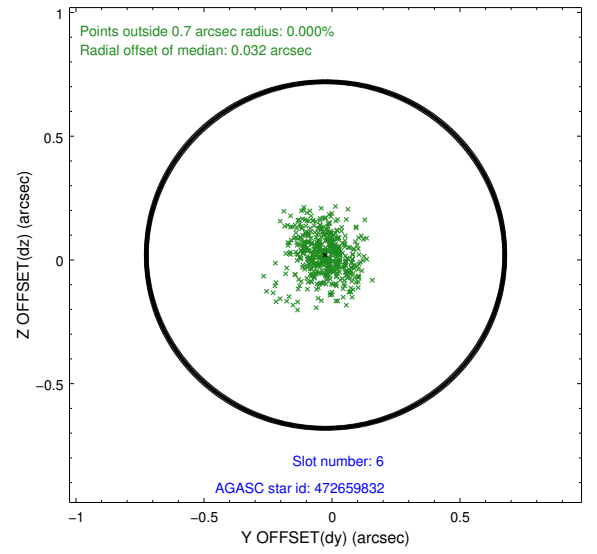
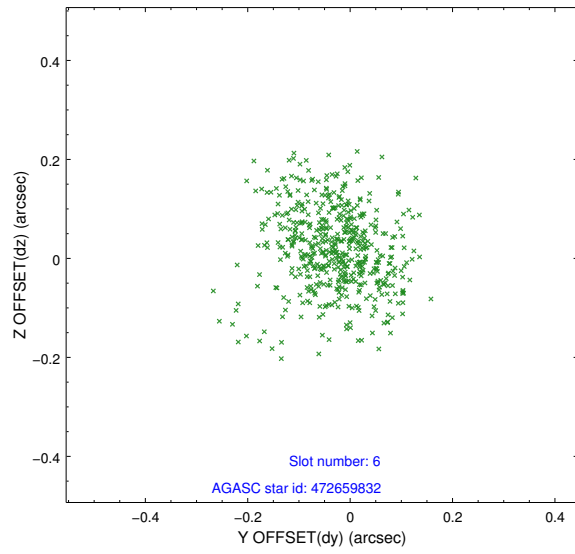
2.4.2 Slot 4



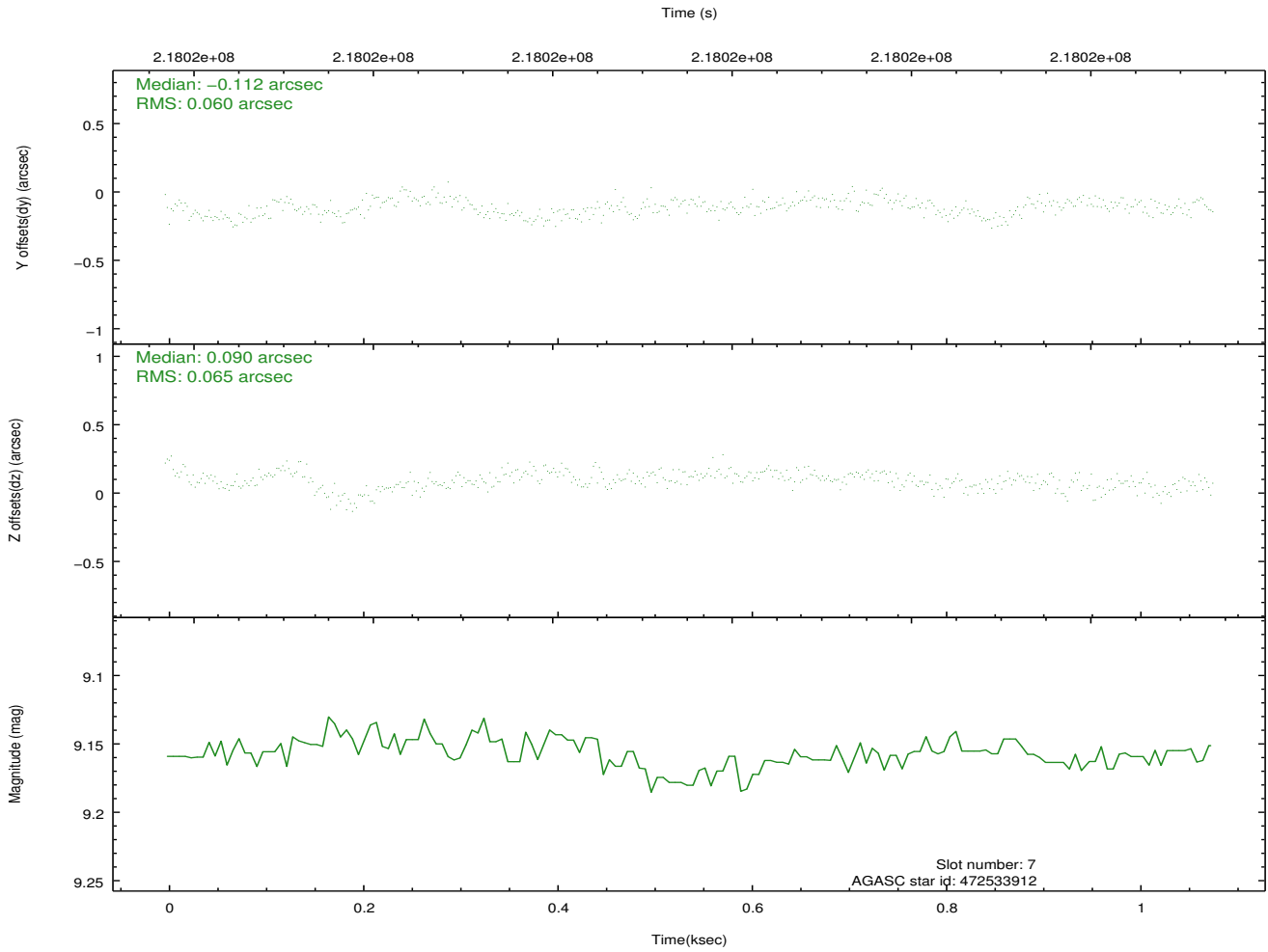
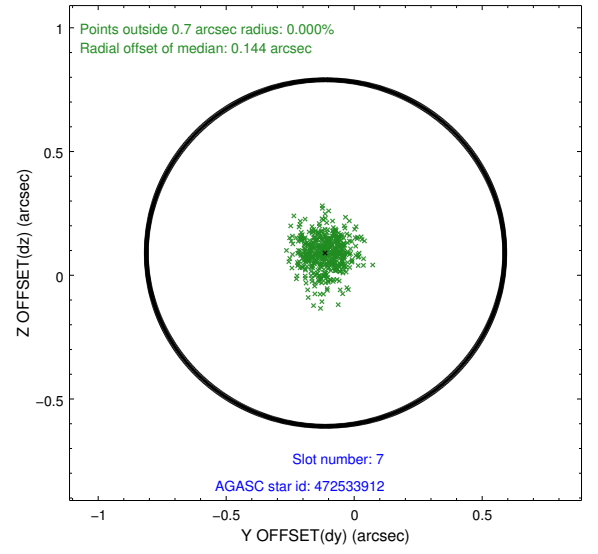
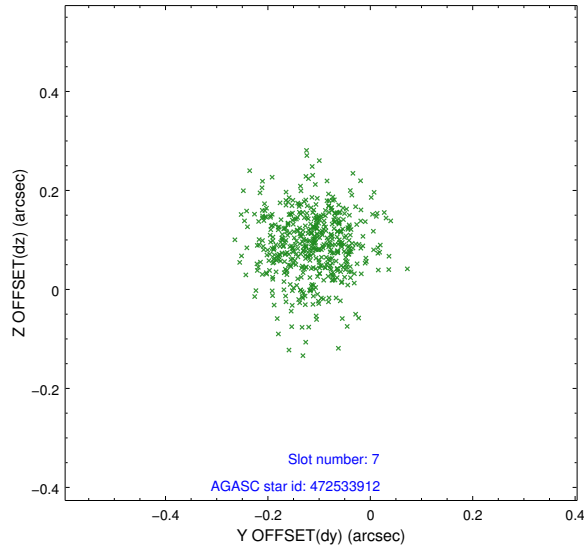
2.4.3 Slot 5



2.4.4 Slot 6

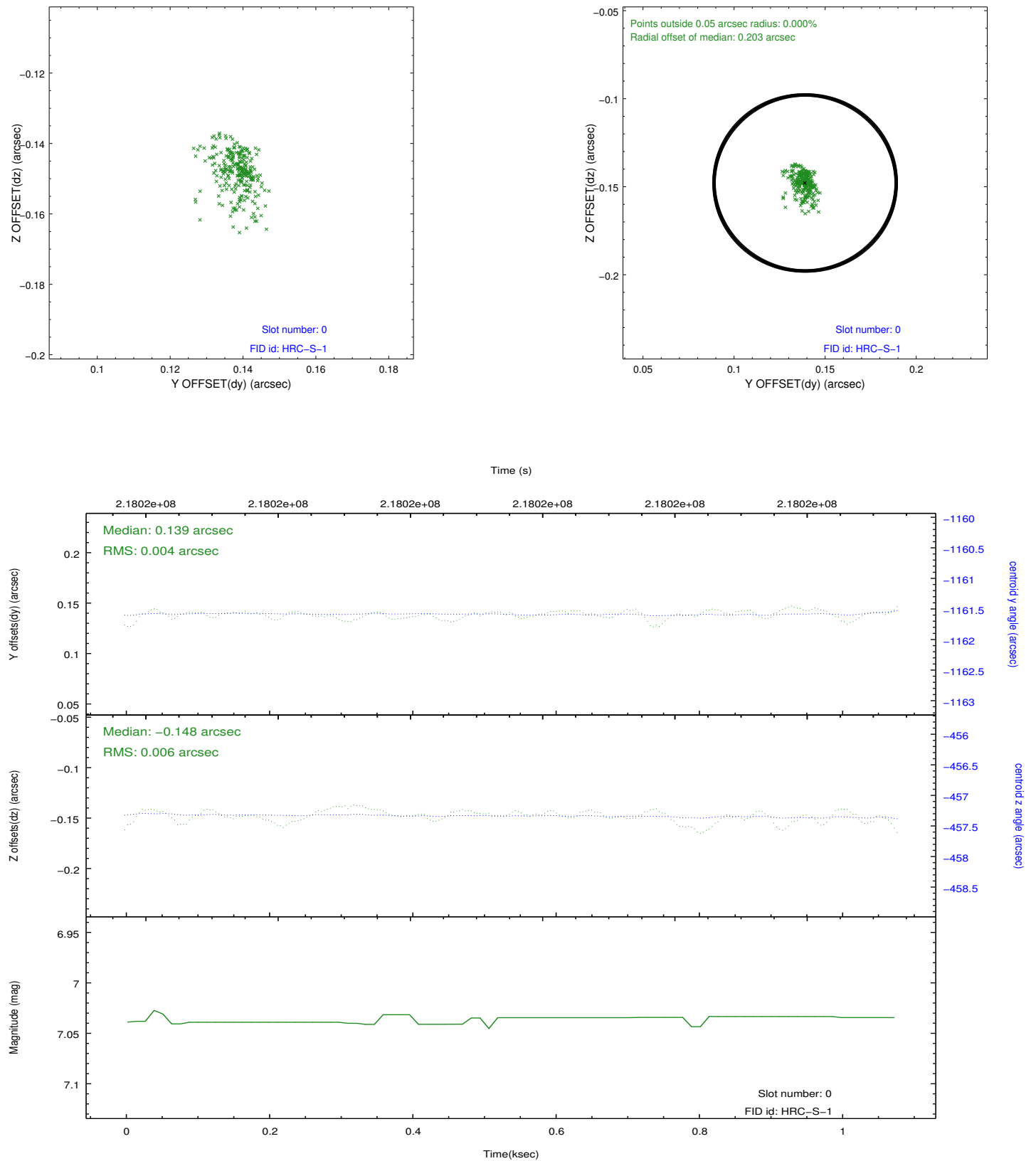


2.4.5 Slot 7

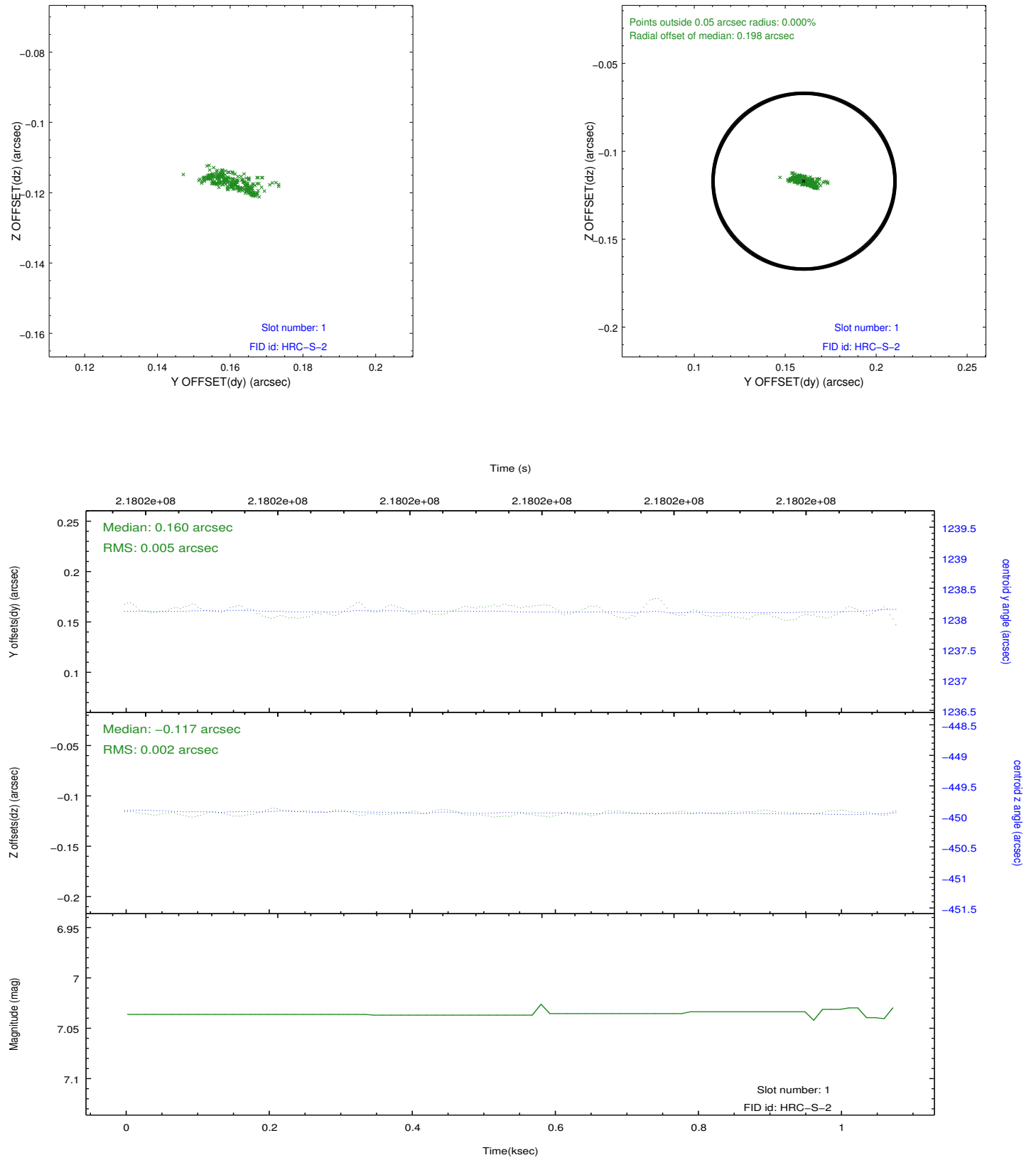


2.5 FID Slots

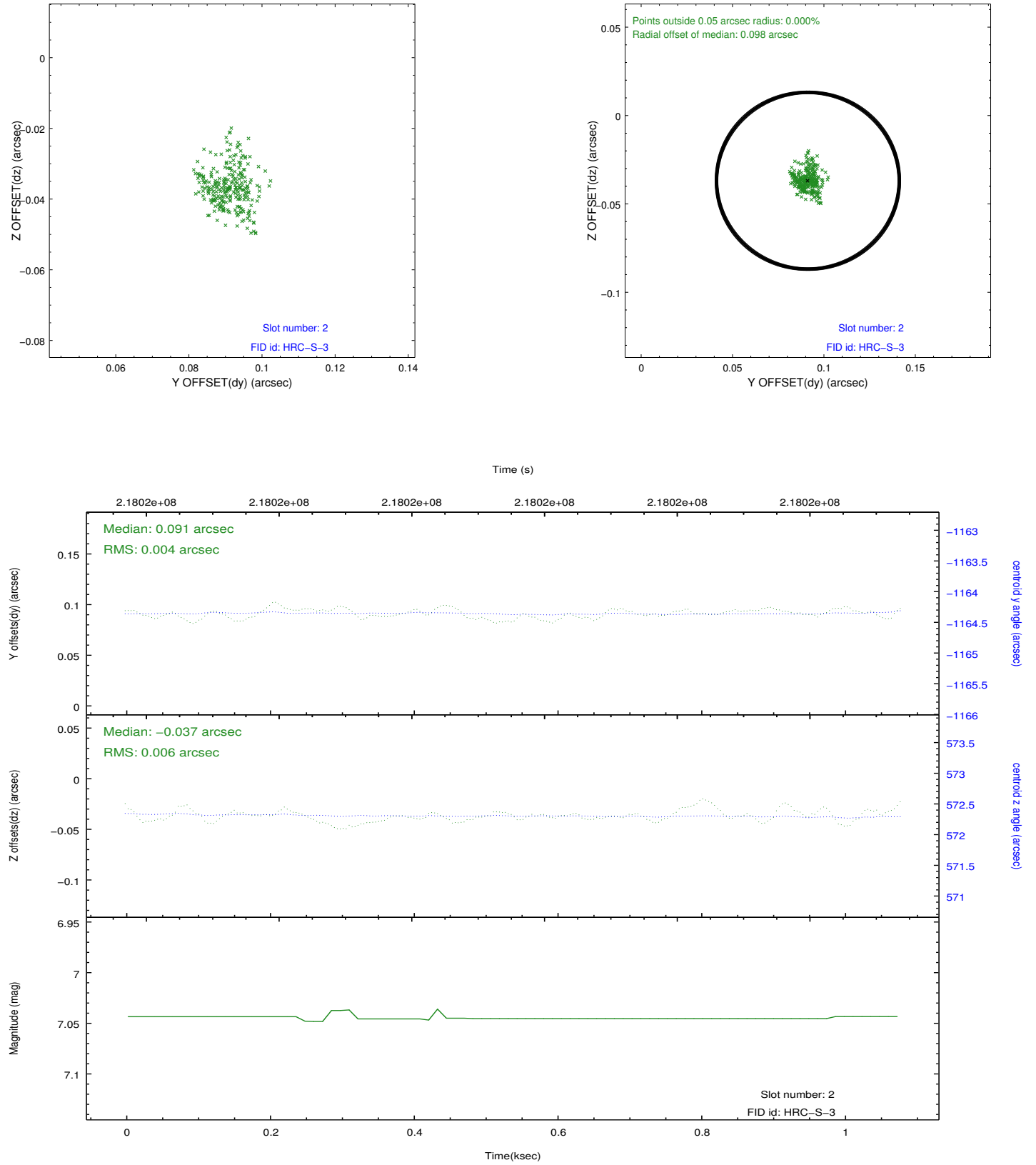
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.050881

A.2 Comments