

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16405 - L2 Version 1
Chandra X-Ray Center

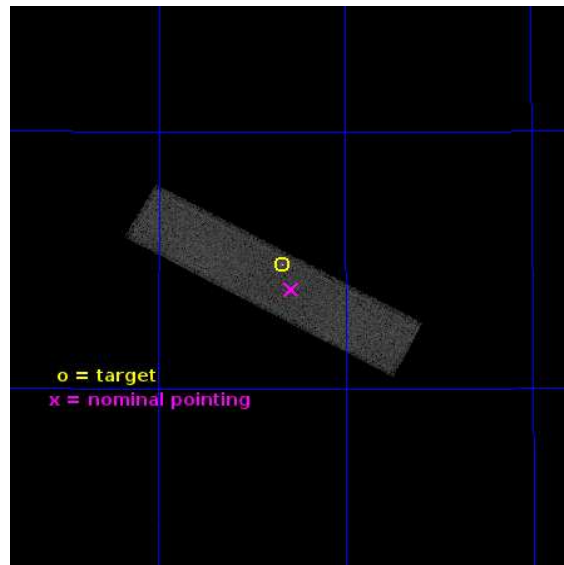
L2 Processing Date : Sep 17 2014

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1 Front

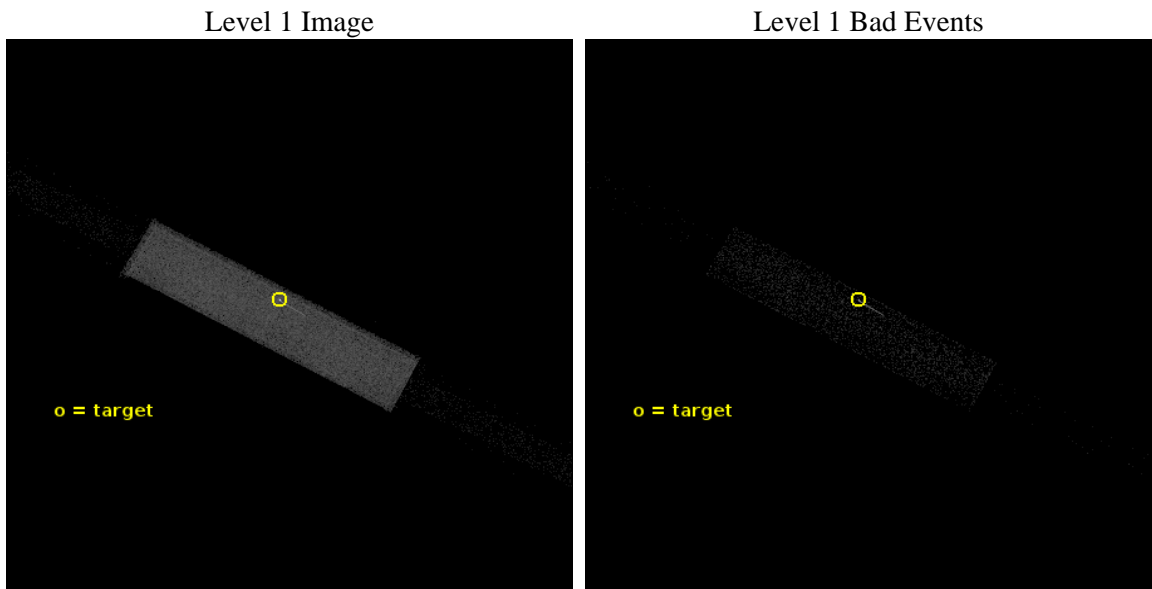
seq_num	291177	Sequence number
obs_id	16405	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14402219565	Nominal RA [deg]
dec_nom	45.694314030758	Nominal Dec [deg]
roll_nom	208.26275184922	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1147.2313135862	[s]
livetime	1138.9516352213	Ontime multiplied by DTCOR
l2events	63842	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	10.2.4	Processing system revision	ontime	1147.2313135862	[s]
caldbver	4.6.3	 	l1events	99669	Number of level 1 events
date	2014-09-17T03:48:35	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

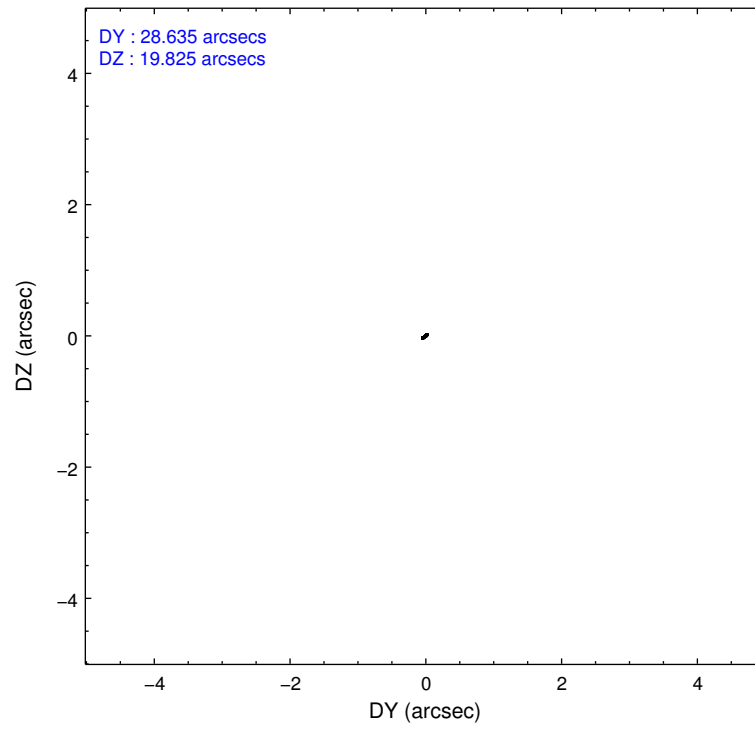
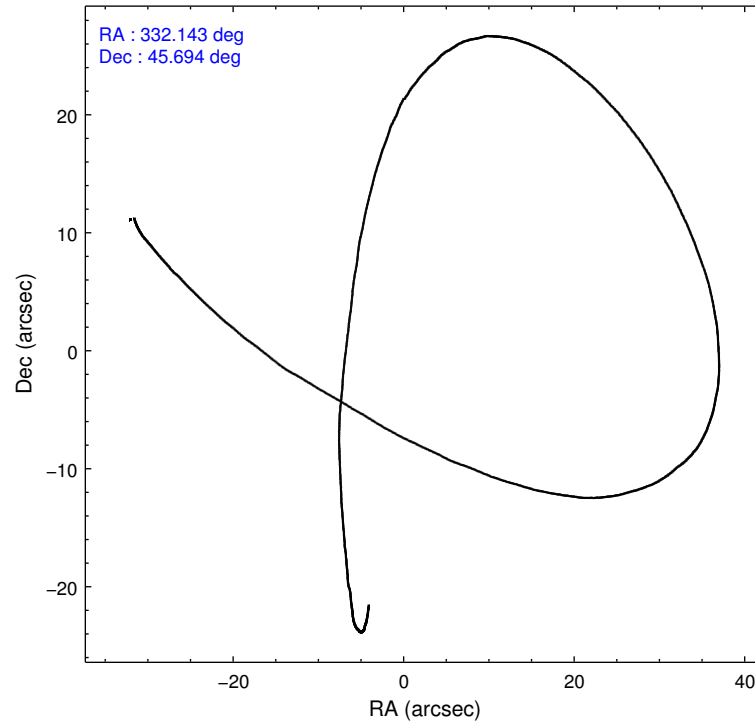
	segment 1	segment 2	segment 3
level 1 events	916	97834	919
rejected events	916	24565	919
rejected %	100%	25%	100%

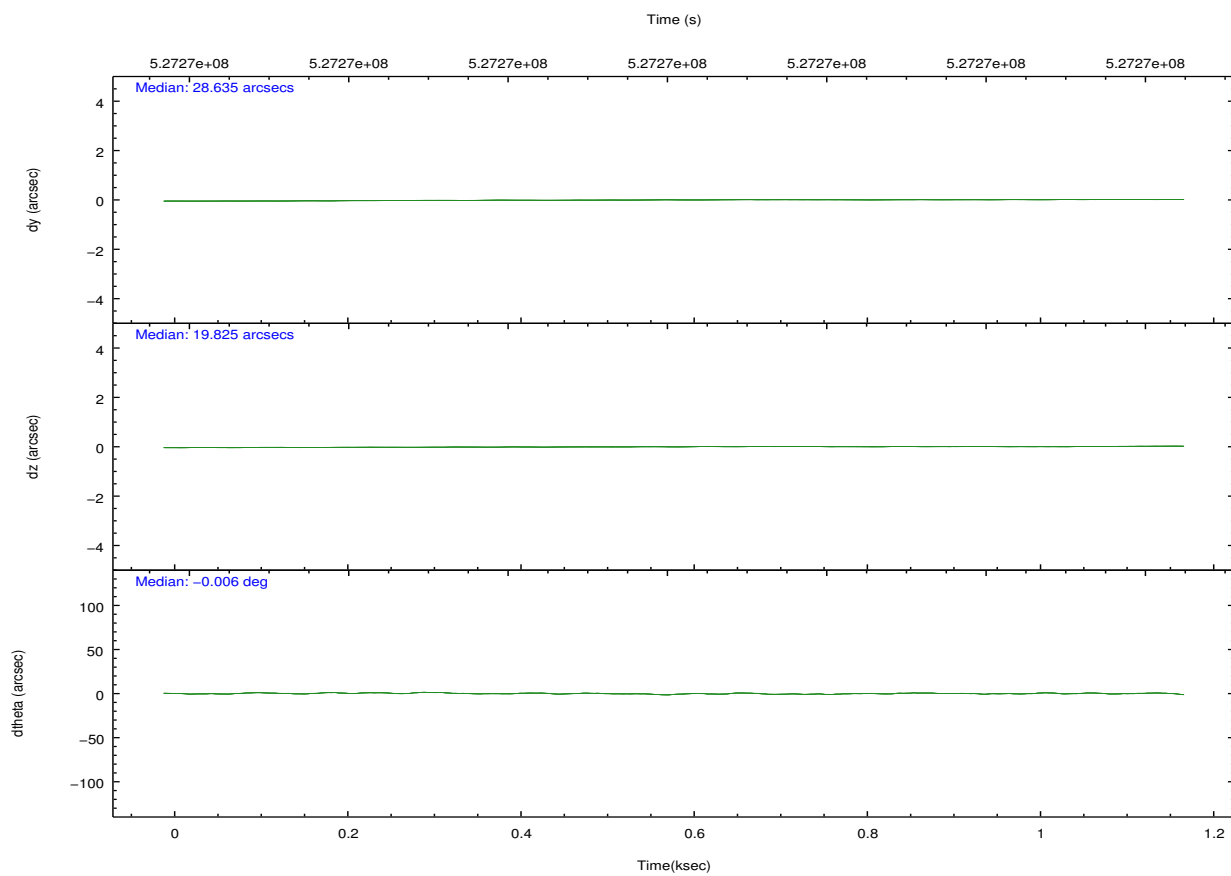
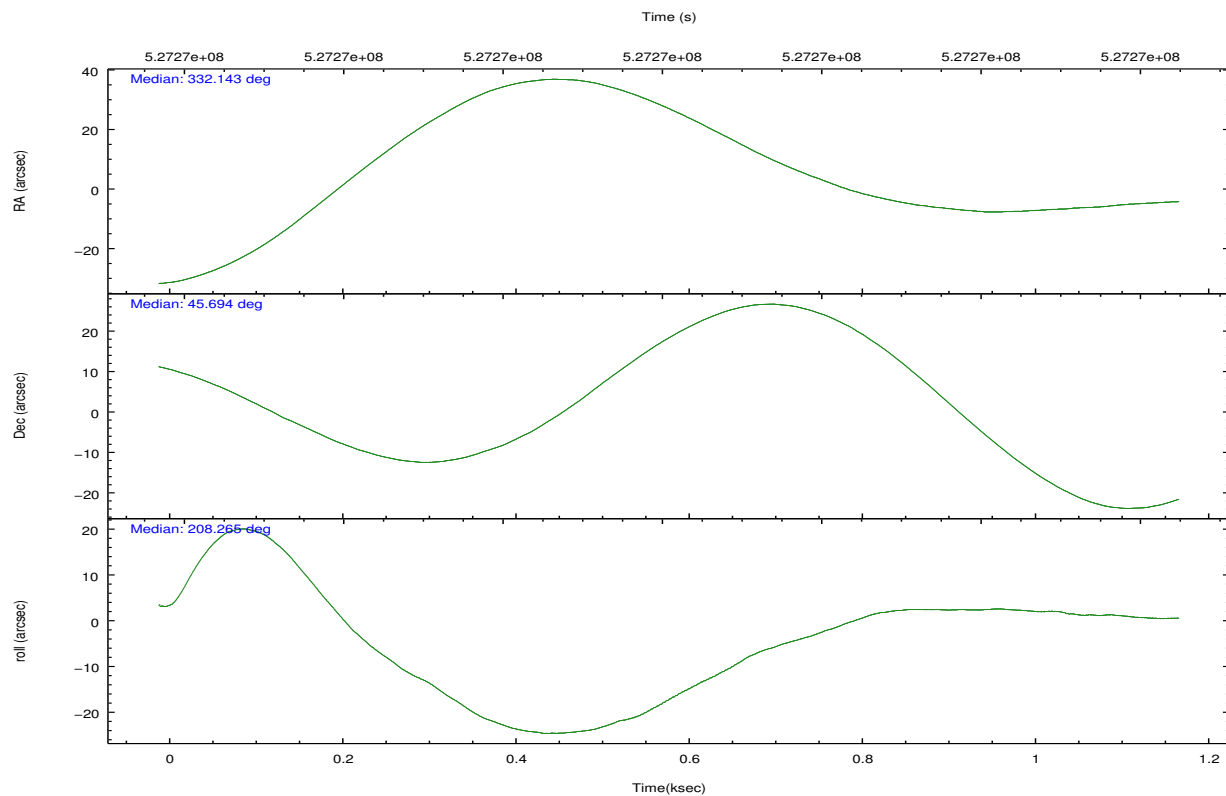
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.164264	332.1440221956539
[deg] Pointing Dec	45.720124	45.69431403075823
[deg] Pointing Roll	208.180962	208.2627518492247
[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)	527268998.184000	527268621.39069
Observation start date	2014-09-16T15:35:31	2014-09-16T15:30:21
[s] Observation end time (MET)	527269998.184000	527270131.72827
Observation end date	2014-09-16T15:52:11	2014-09-16T15:55:31

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



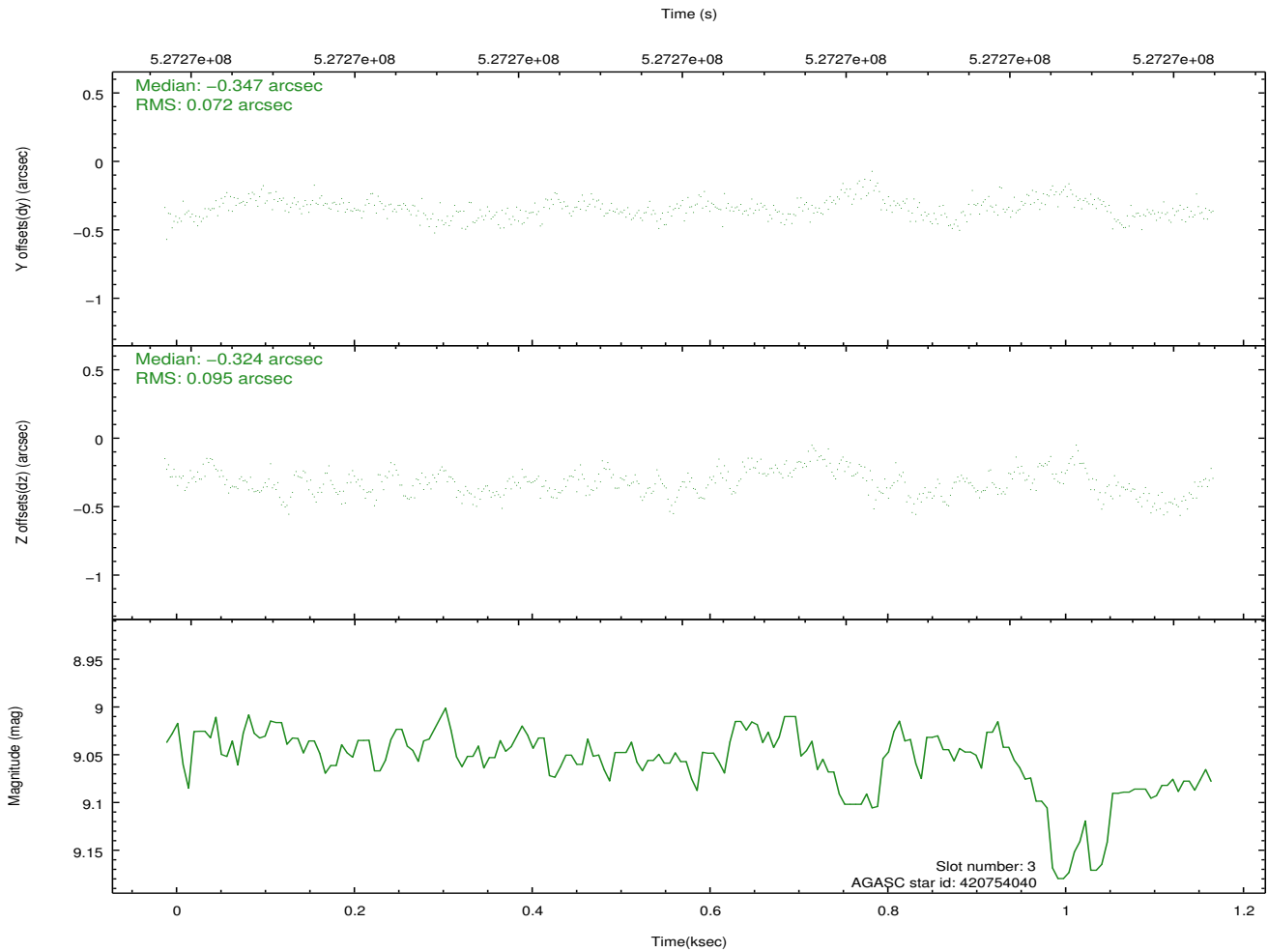
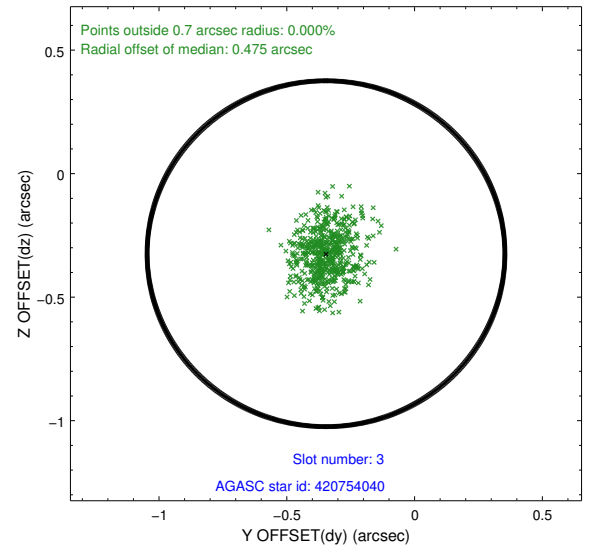
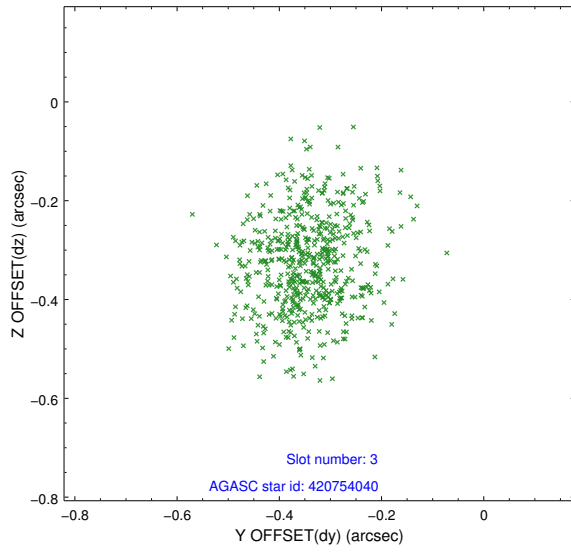


Slot Statistics

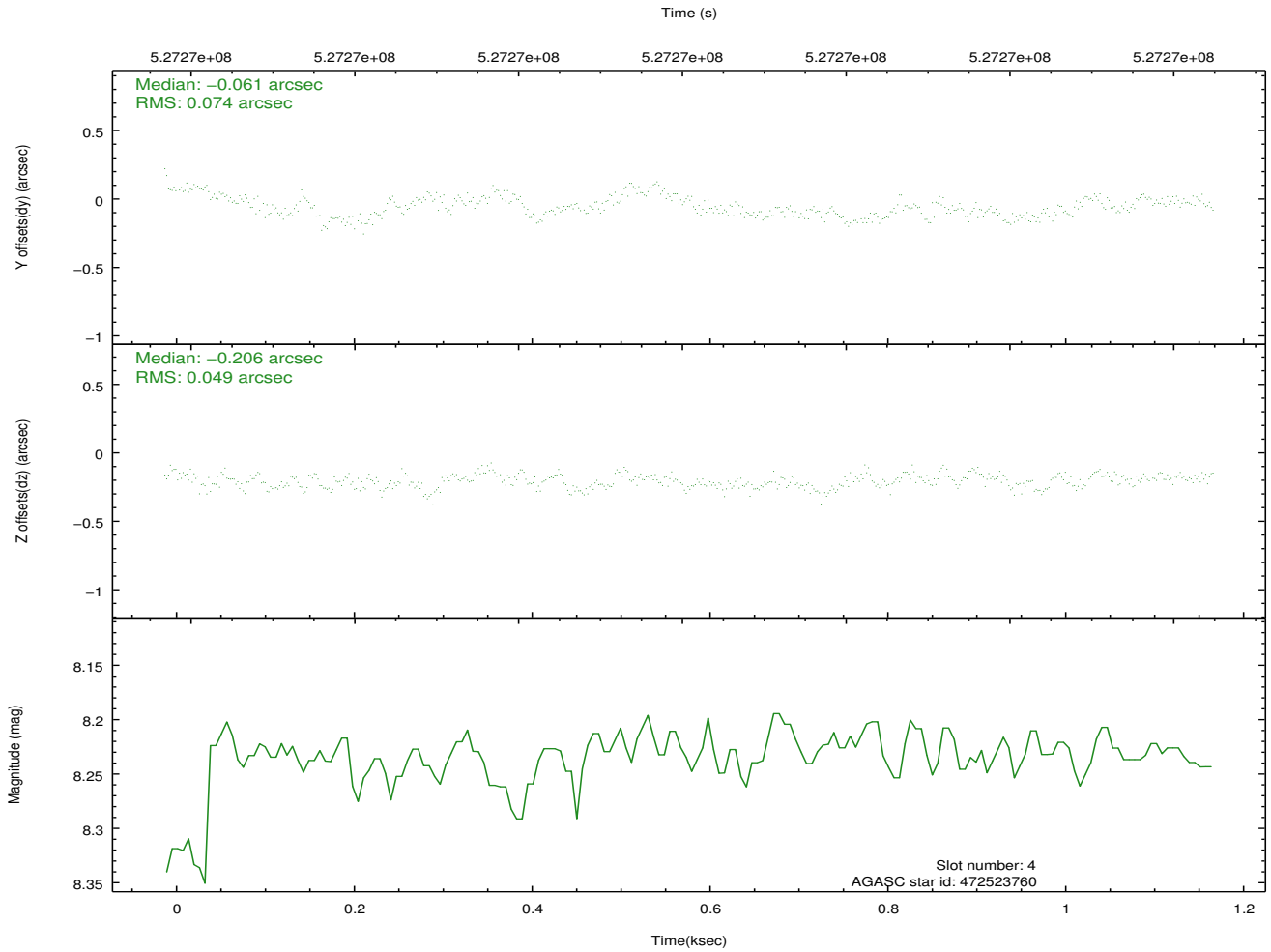
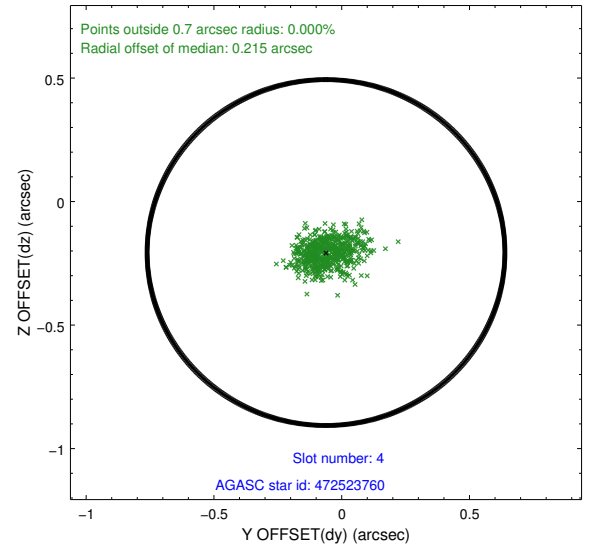
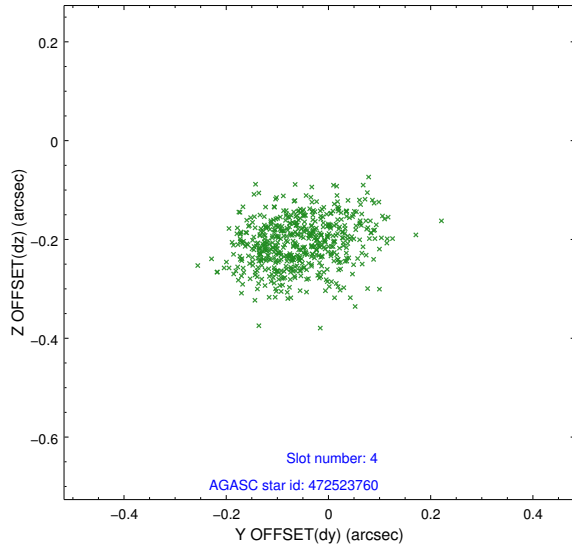
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	288	0.001	-0.211	0.006	0.010	0.000000	0.000000	-1183.44	-468.97
1	FID	HRC-S-2	7.03	288	0.343	-0.136	0.004	0.008	0.000000	0.000000	1212.45	-463.04
2	FID	HRC-S-3	7.07	288	0.045	0.045	0.006	0.011	0.000000	0.000000	-1181.96	559.20
3	GUIDE	420754040	9.05	576	-0.347	-0.324	0.129	0.216	331.917939	44.882543	1974.35	2358.95
4	GUIDE	472523760	8.23	576	-0.061	-0.206	0.094	0.154	331.645363	45.403260	1695.26	384.89
5	GUIDE	472525528	6.64	576	-0.626	-0.090	0.094	0.149	331.551102	45.248694	2169.77	756.04
6	GUIDE	472665256	8.98	576	0.509	0.275	0.103	0.171	332.808125	46.195041	-2221.59	-754.75
7	GUIDE	472663080	9.39	574	0.523	0.354	0.145	0.230	332.652741	46.473840	-2355.19	-1825.35

2.4 Star Slots

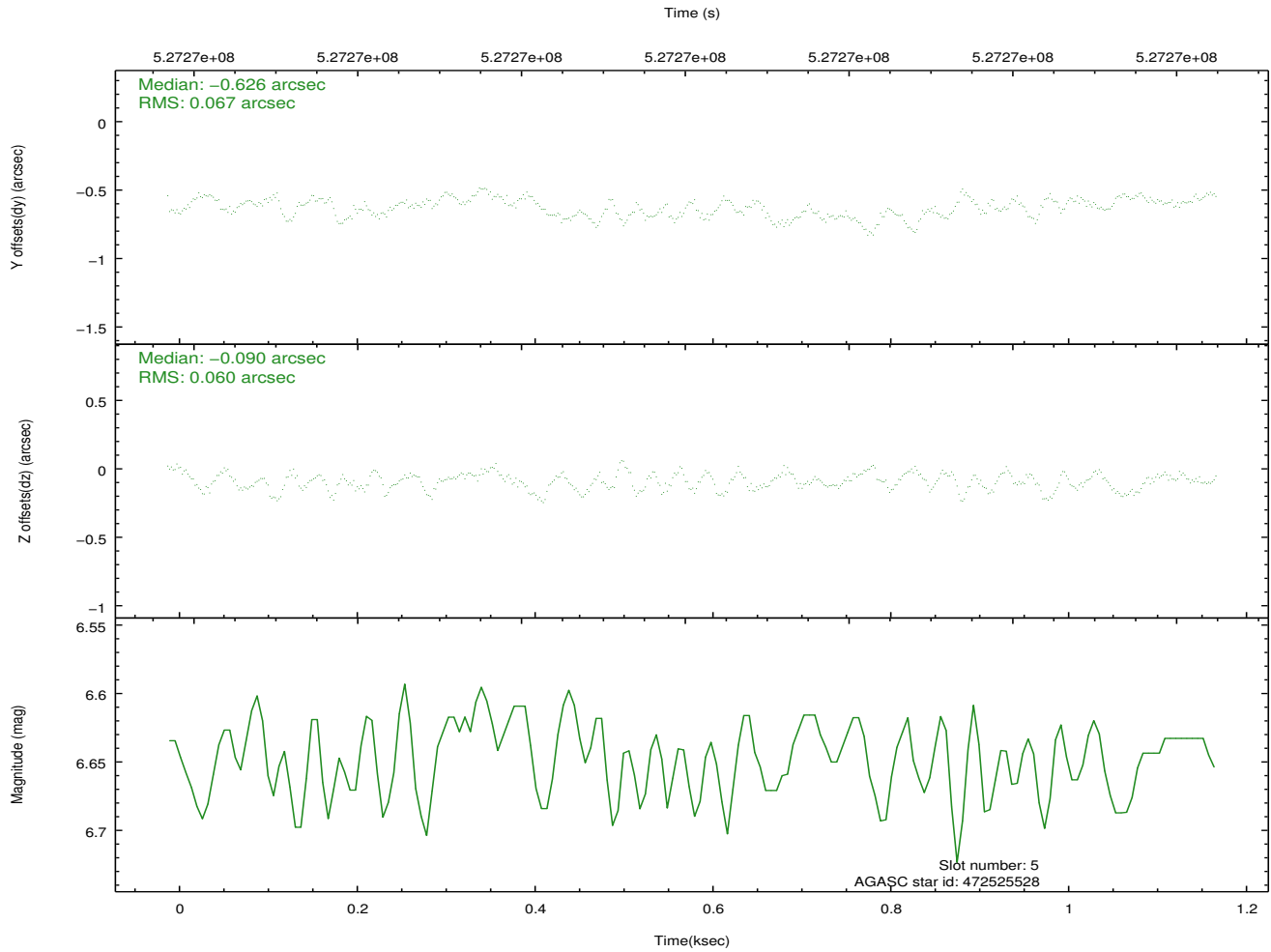
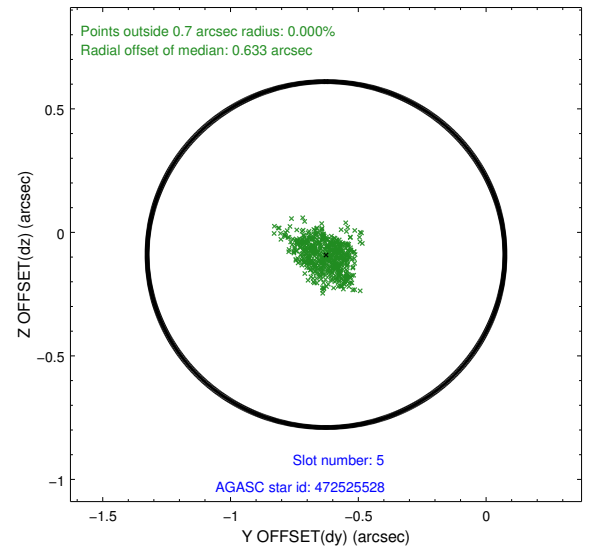
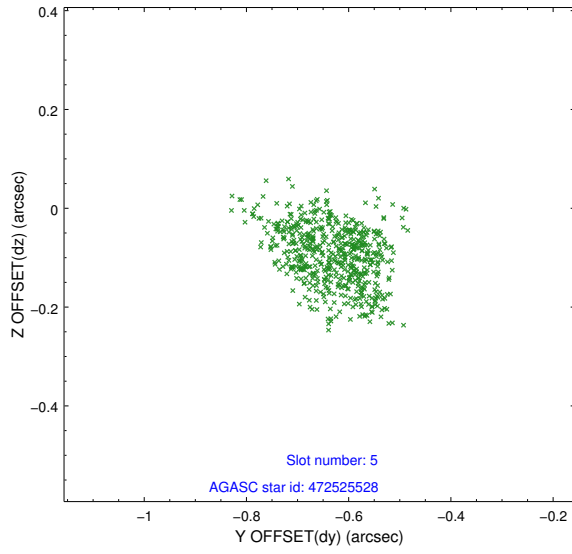
2.4.1 Slot 3



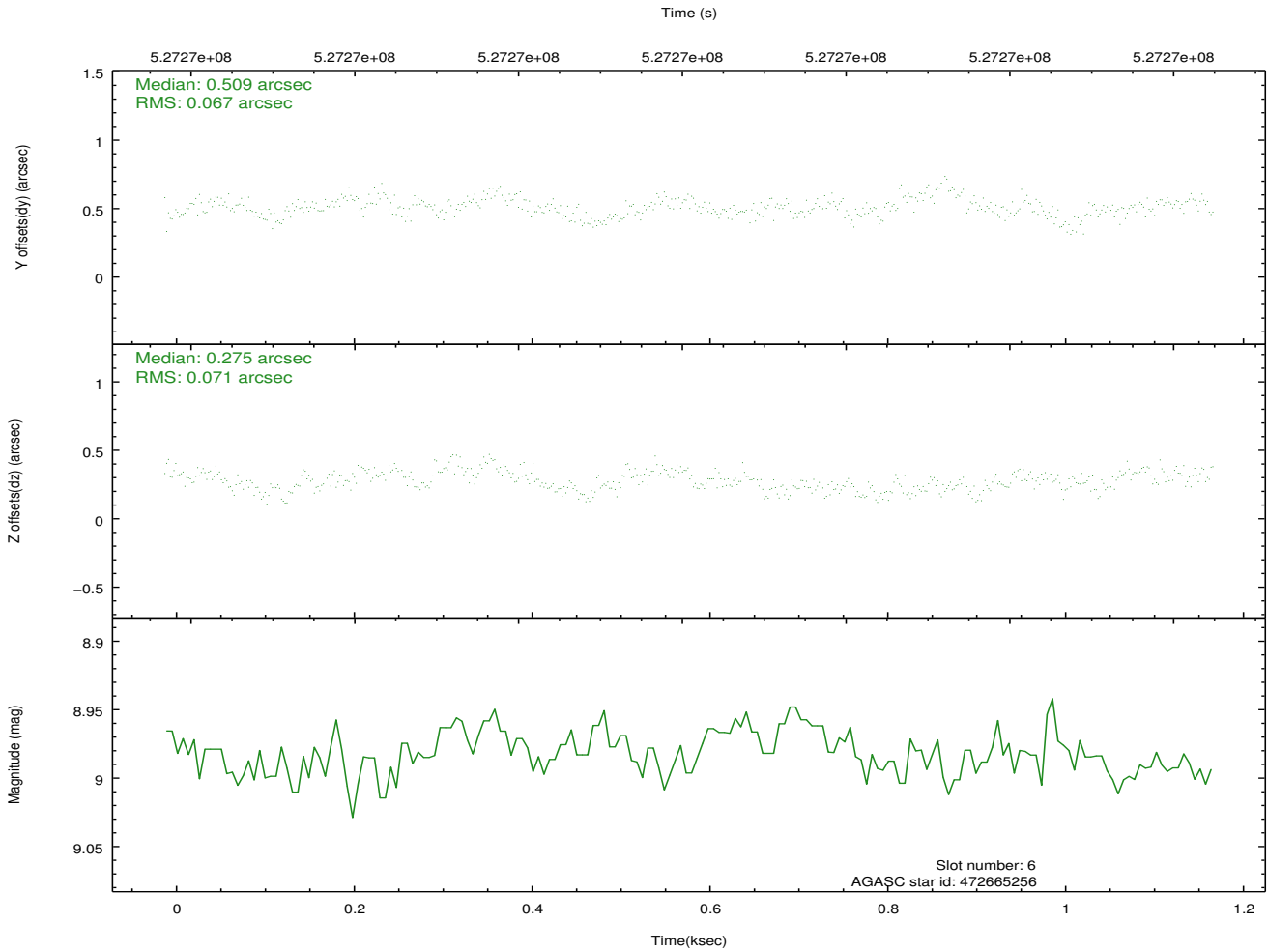
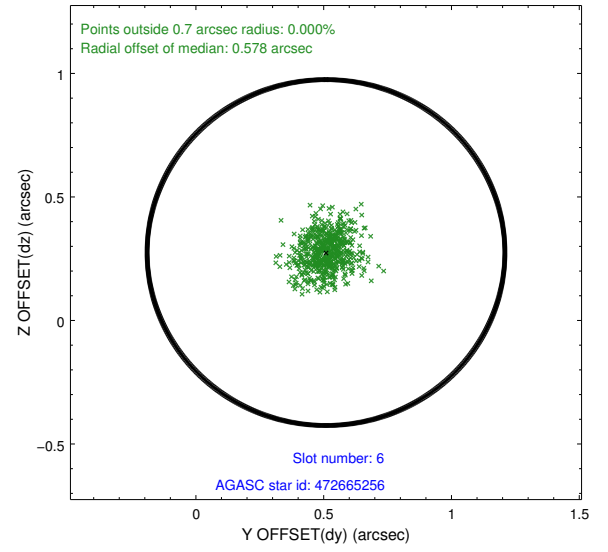
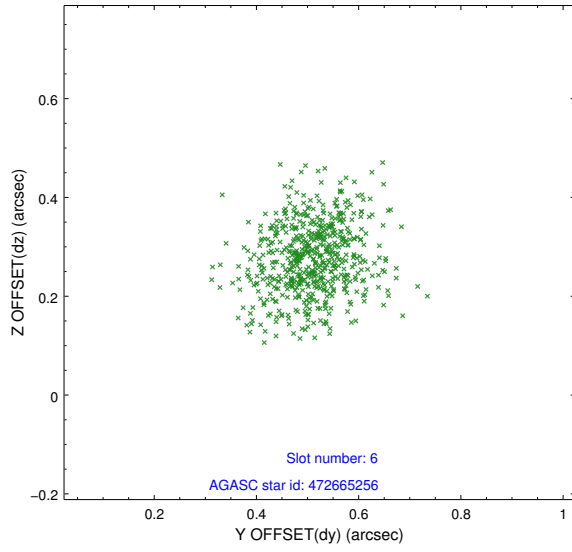
2.4.2 Slot 4



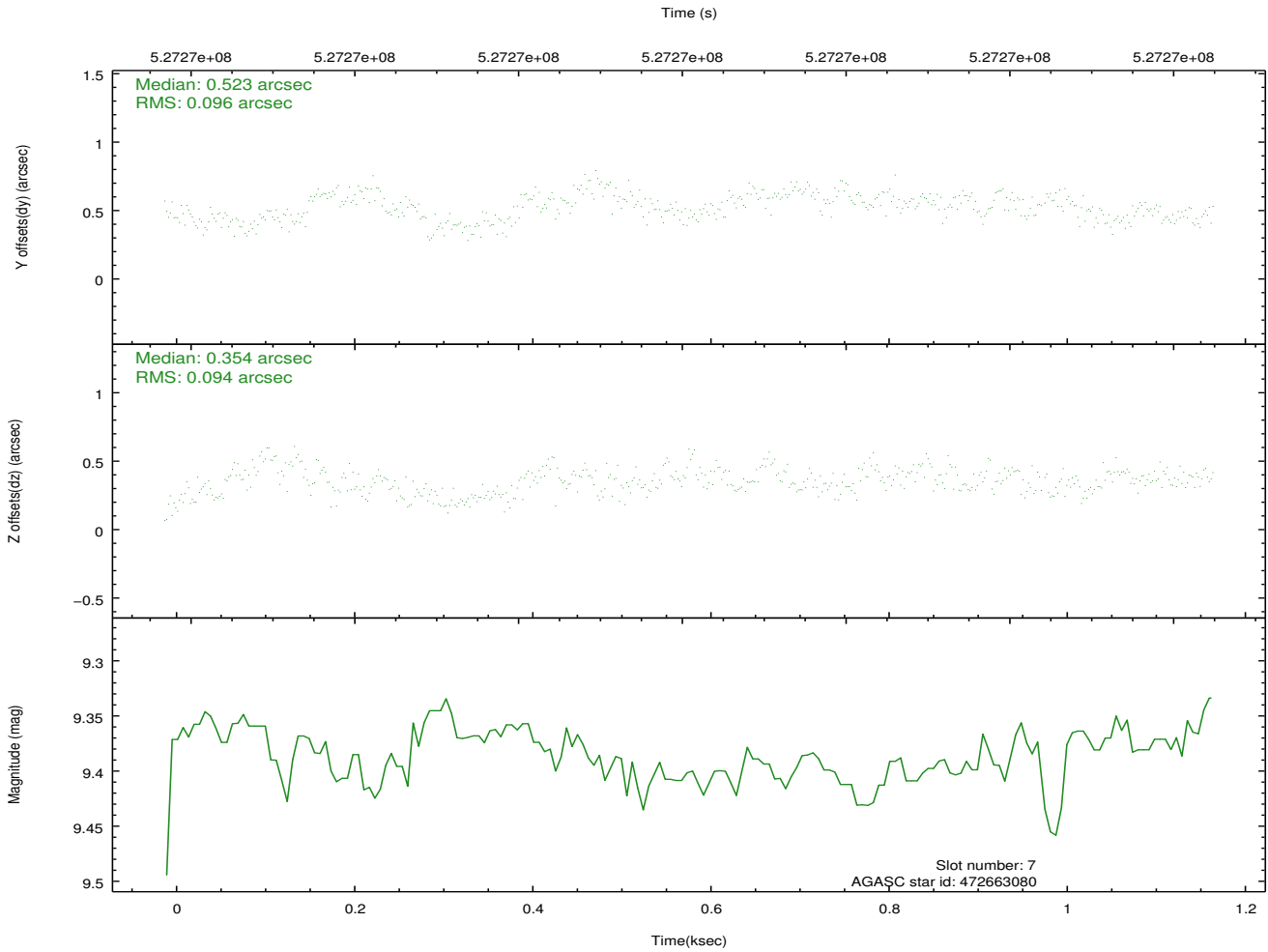
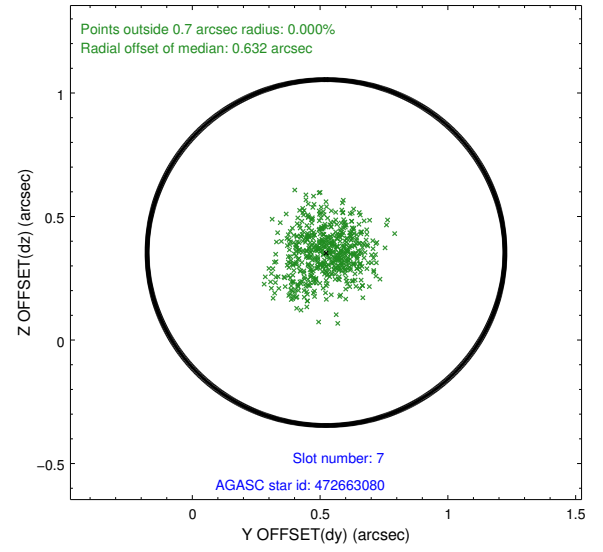
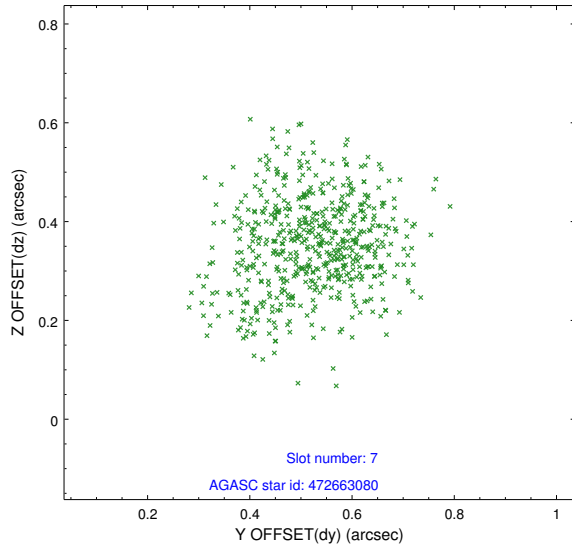
2.4.3 Slot 5



2.4.4 Slot 6

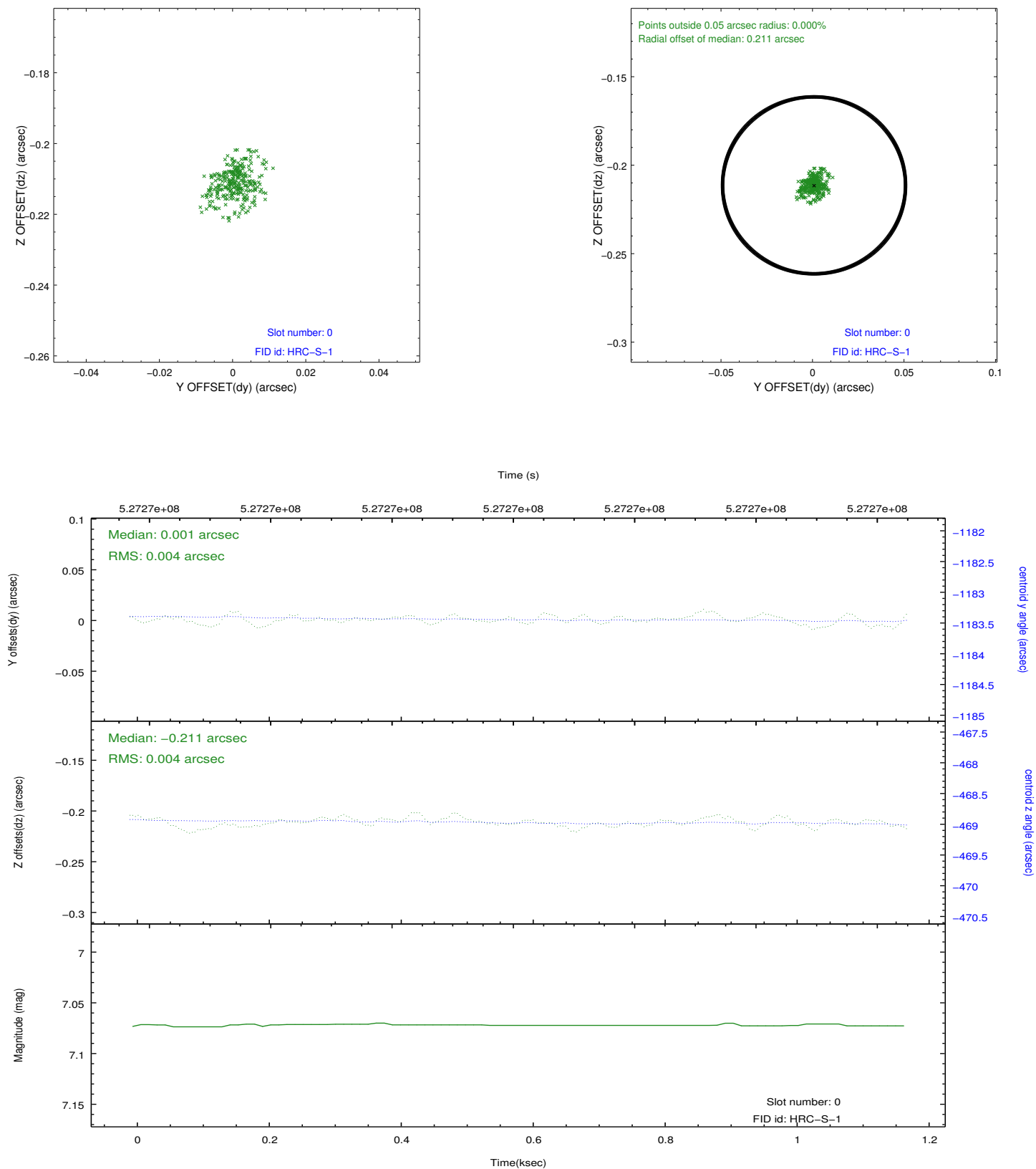


2.4.5 Slot 7

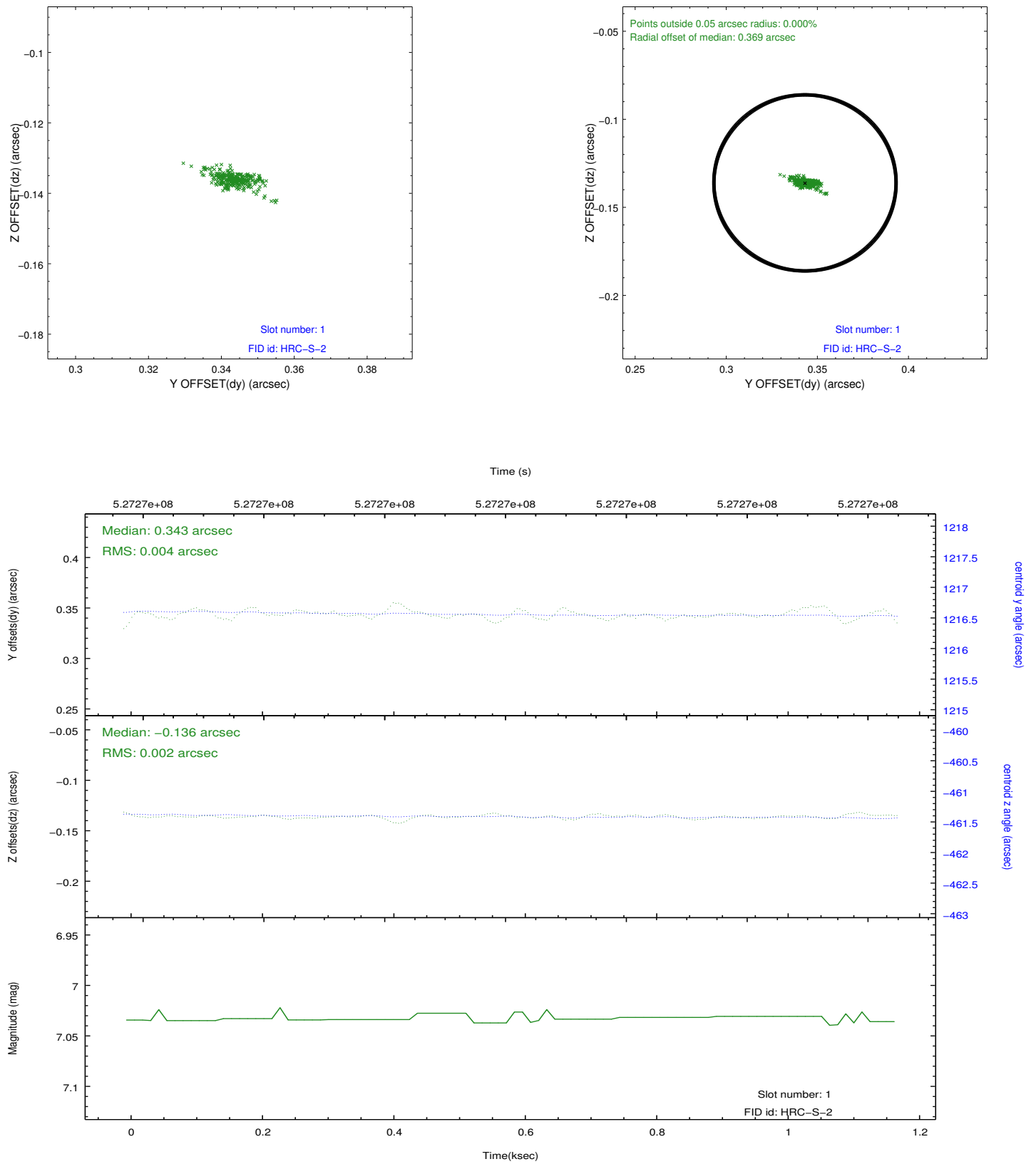


2.5 FID Slots

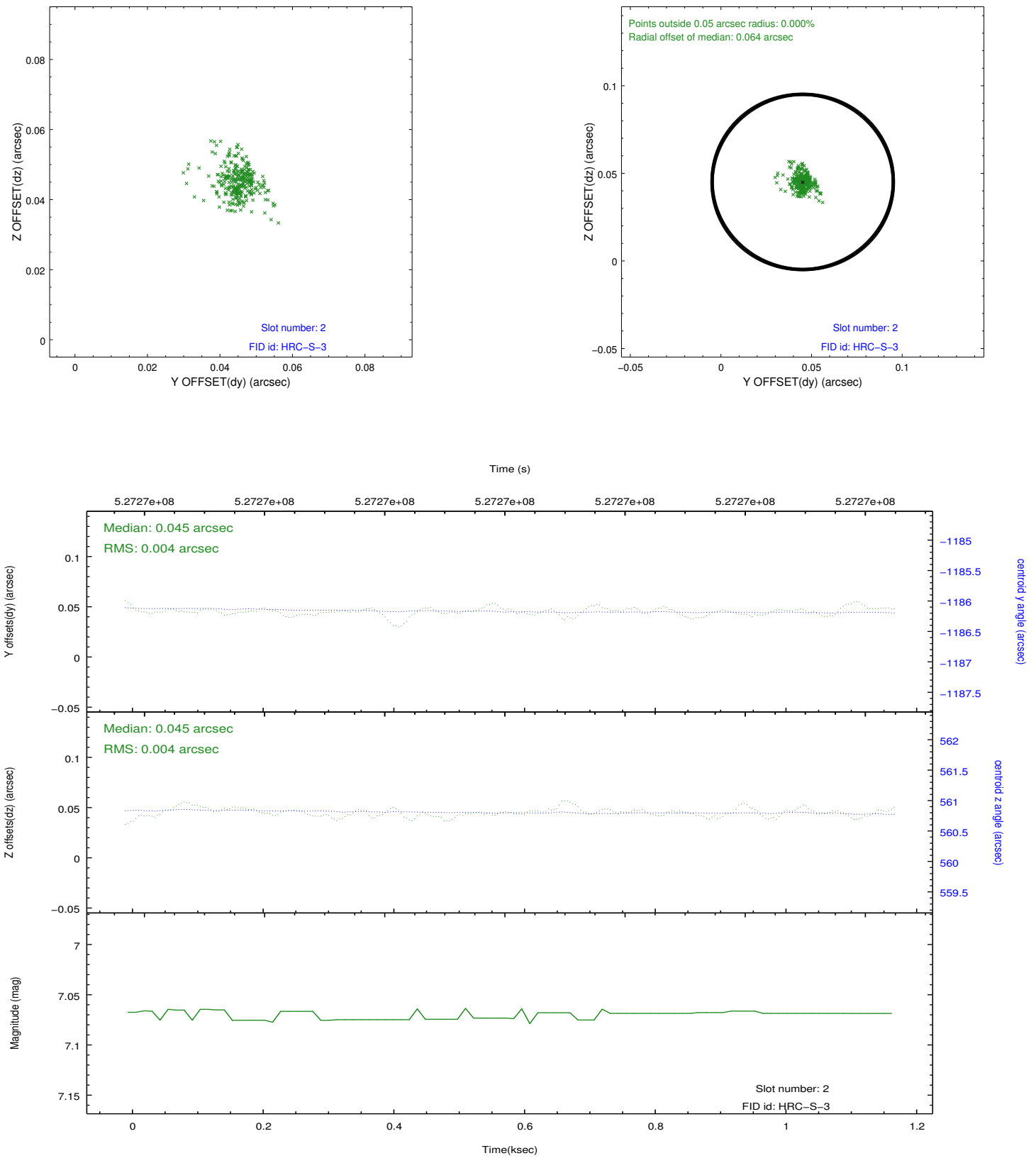
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1472313135862

A.2 Comments