

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17348 - L2 Version 1
Chandra X-Ray Center

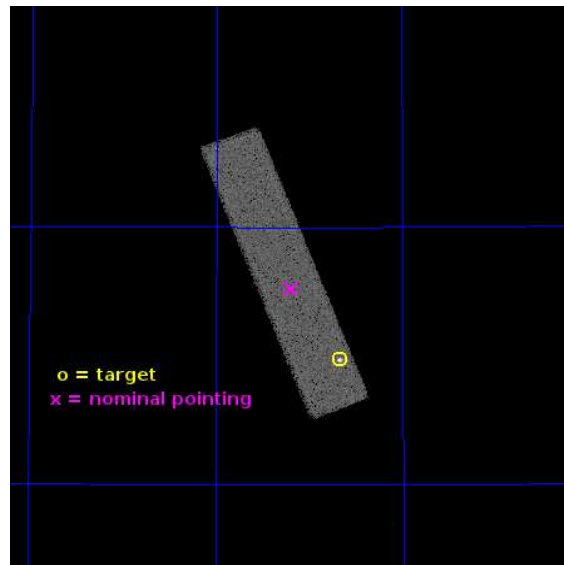
L2 Processing Date : Oct 20 2015

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1 Front

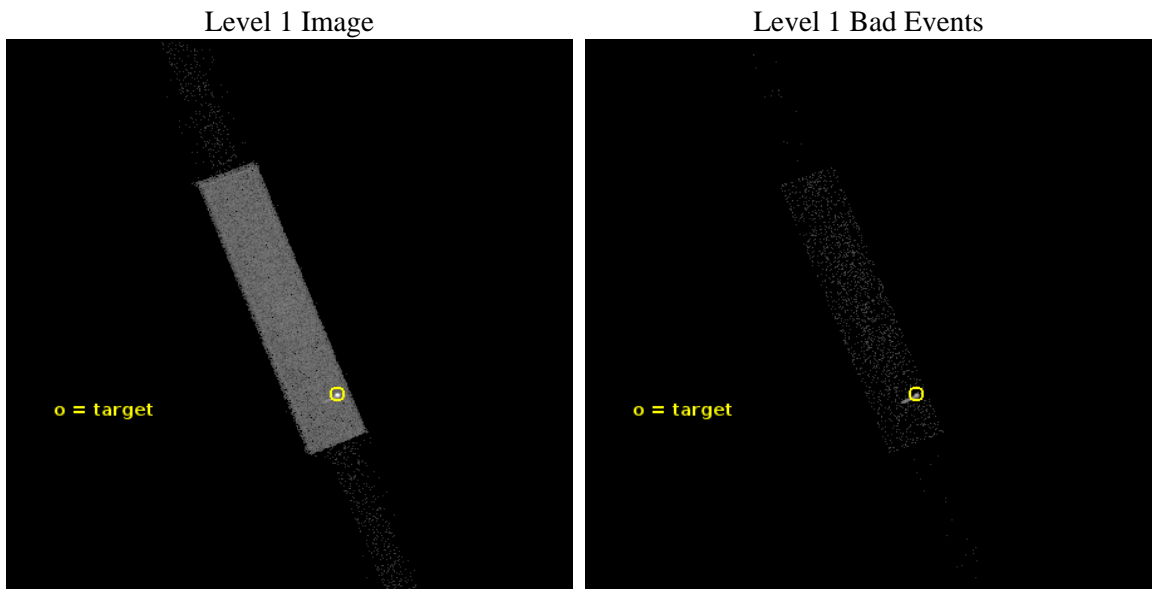
seq_num	291221	Sequence number
obs_id	17348	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2981749096	Nominal RA [deg]
dec_nom	45.880541699636	Nominal Dec [deg]
roll_nom	248.45434102343	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313155413	[s]
livetime	1148.405238918	Ontime multiplied by DTCOR
l2events	53110	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	1155.4313155413	[s]
caldbver	4.6.10a	 	l1events	83155	Number of level 1 events
date	2015-10-20T22:46:32	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

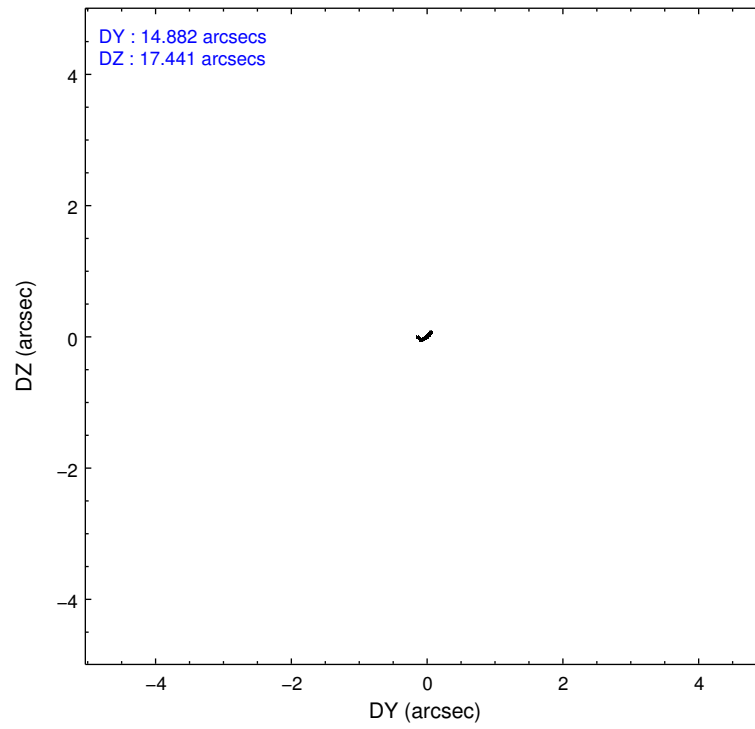
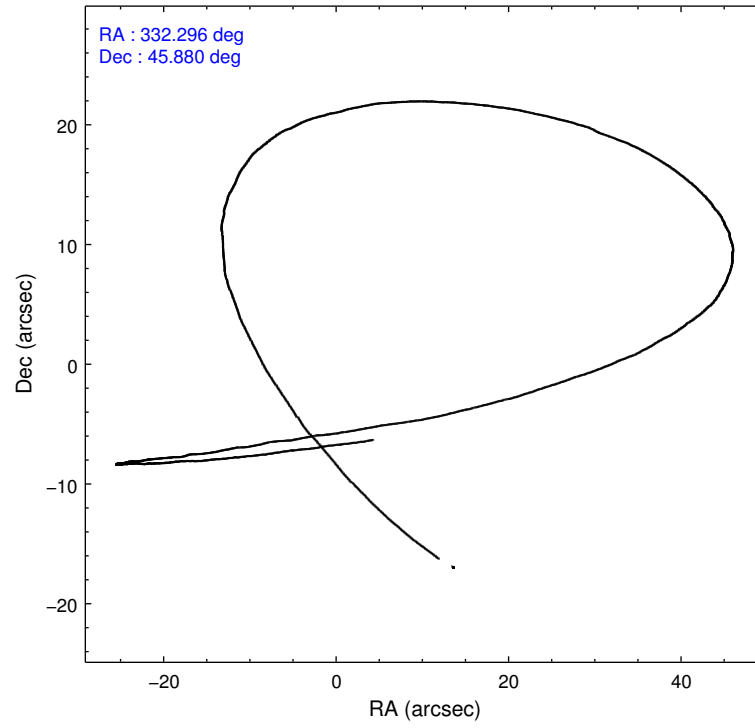
	segment 1	segment 2	segment 3
level 1 events	700	81730	725
rejected events	700	19134	724
rejected %	100%	23%	99%

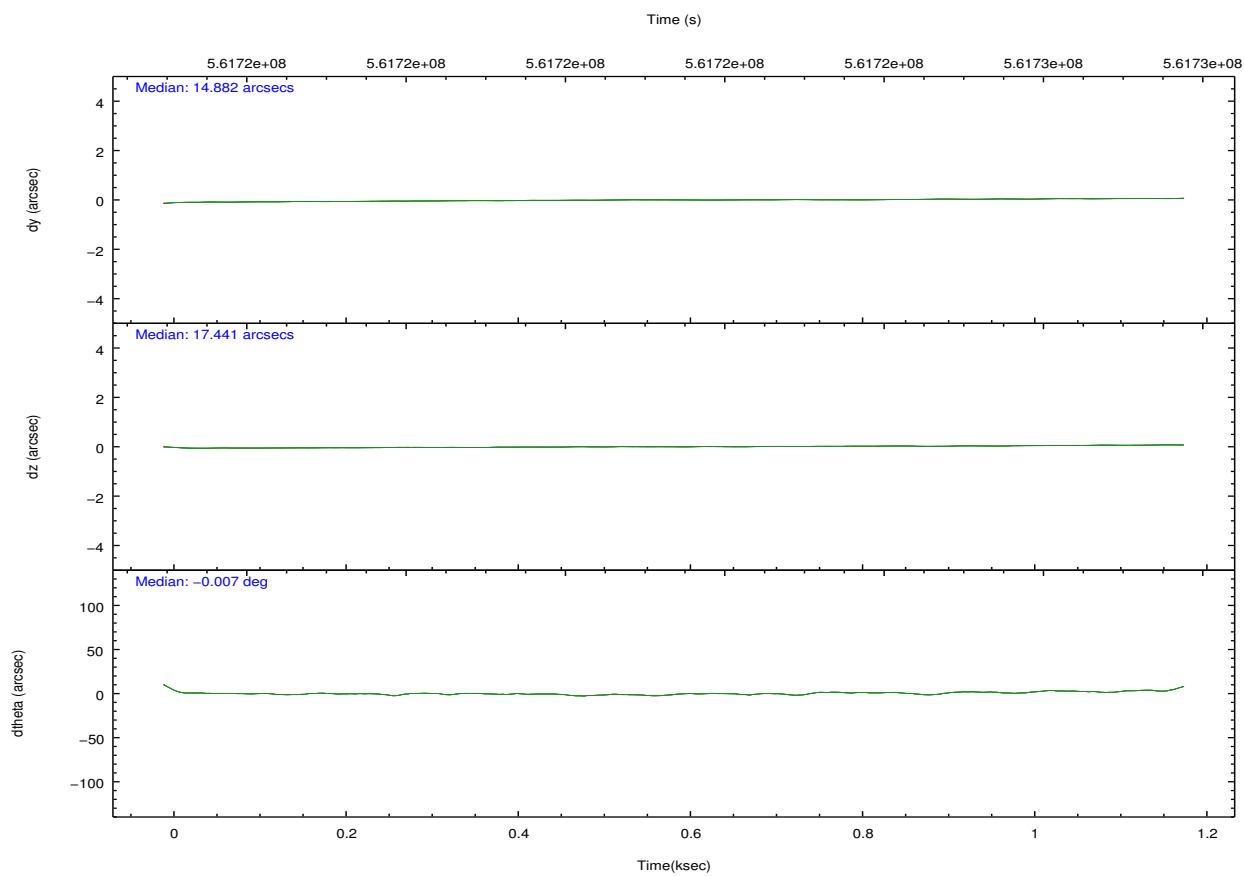
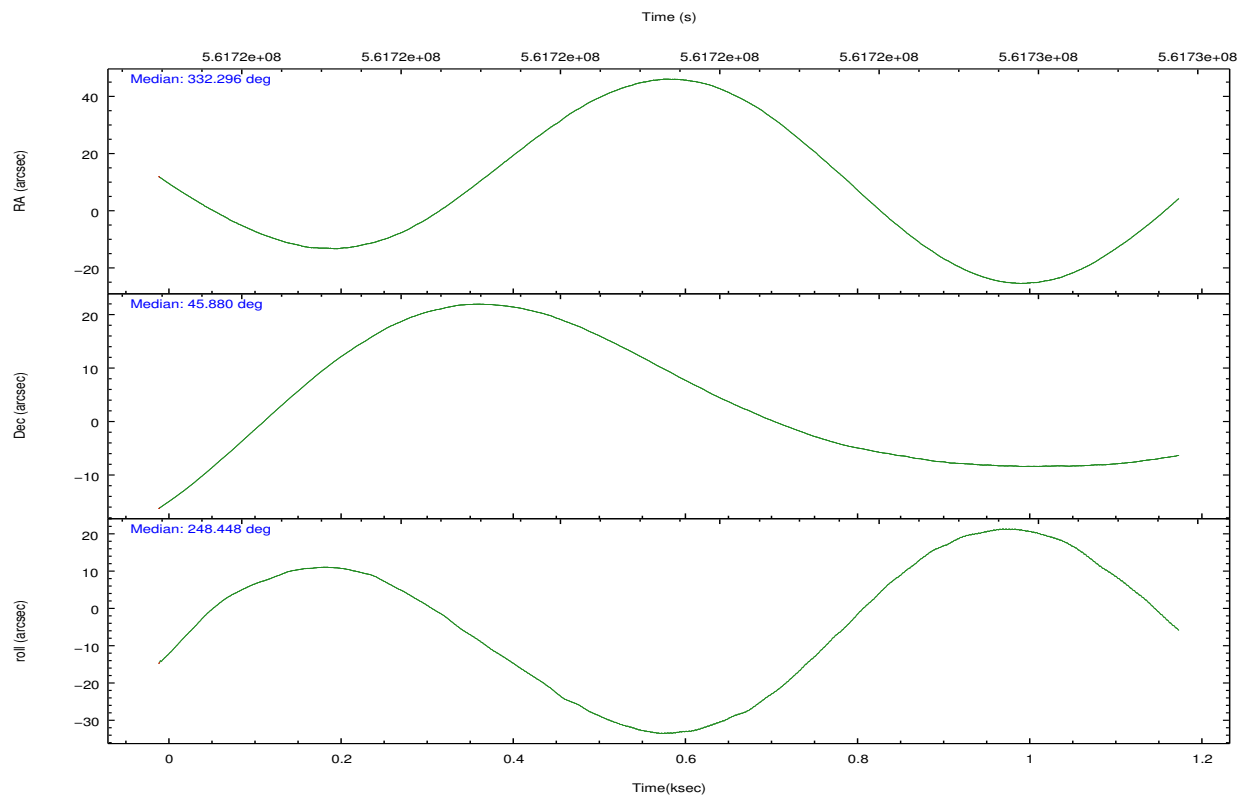
2.2 Compared Parameters

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	332.291683	332.2981749096049
[deg] Pointing Dec	45.908790	45.88054169963592
[deg] Pointing Roll	248.391651	248.4543410234343
[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)	561724333.184000	561723957.08469
Observation start date	2015-10-20T10:31:05	2015-10-20T10:25:57
[s] Observation end time (MET)	561725333.184000	561725466.90977
Observation end date	2015-10-20T10:47:45	2015-10-20T10:51:06

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

2.3 Aspect



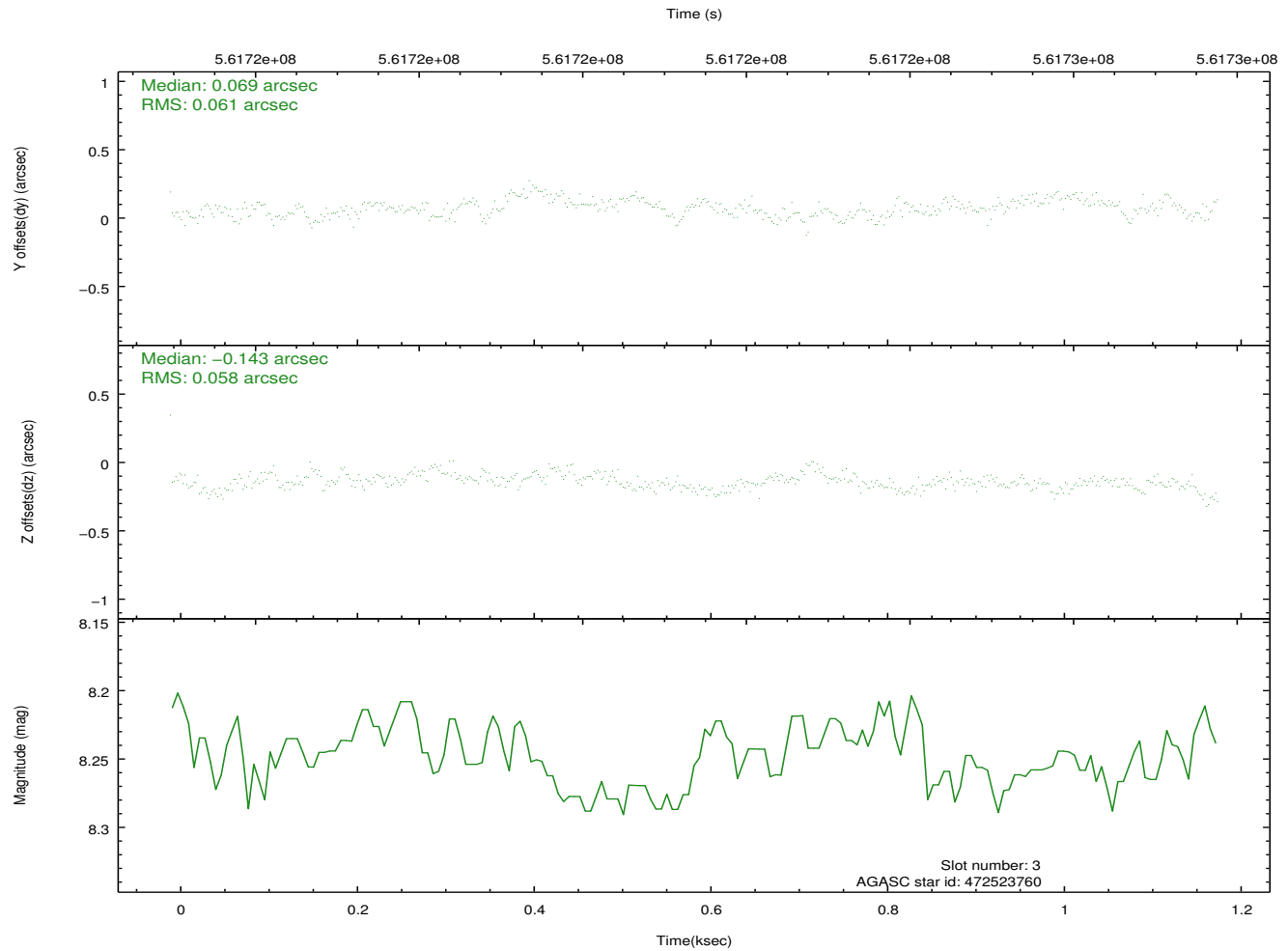
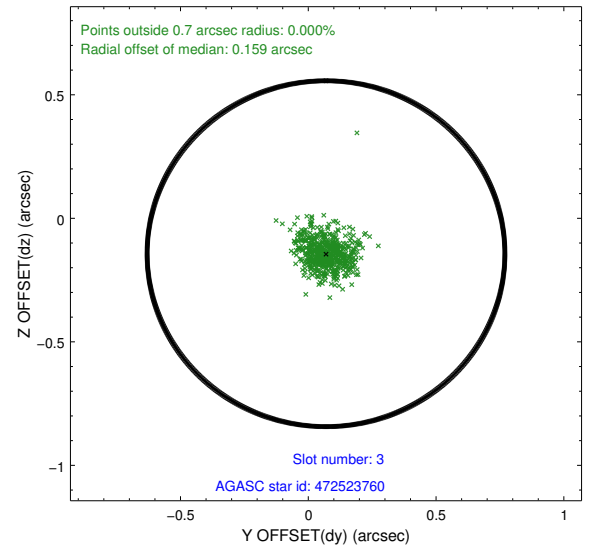
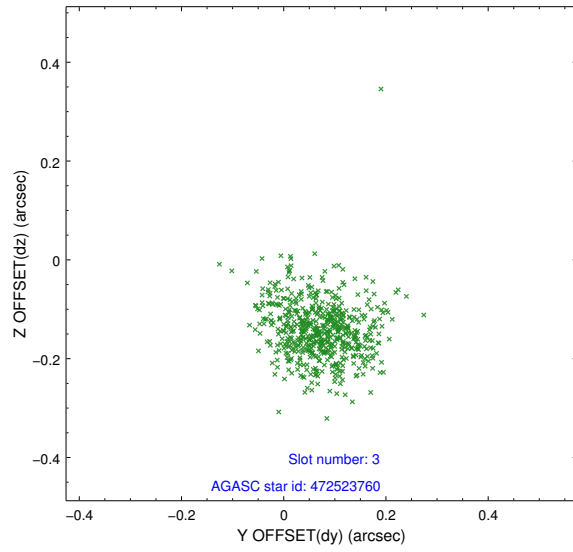


Slot Statistics

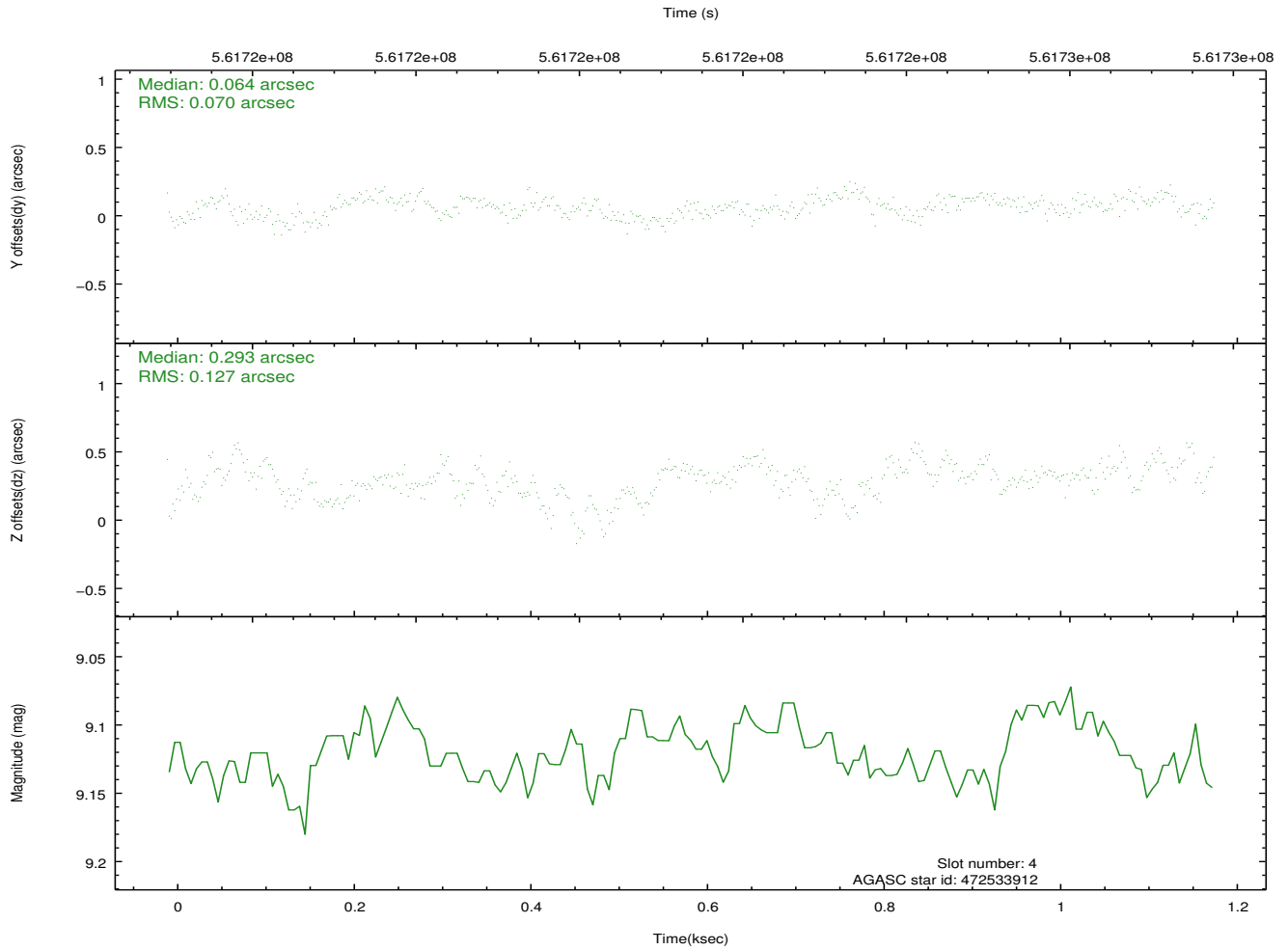
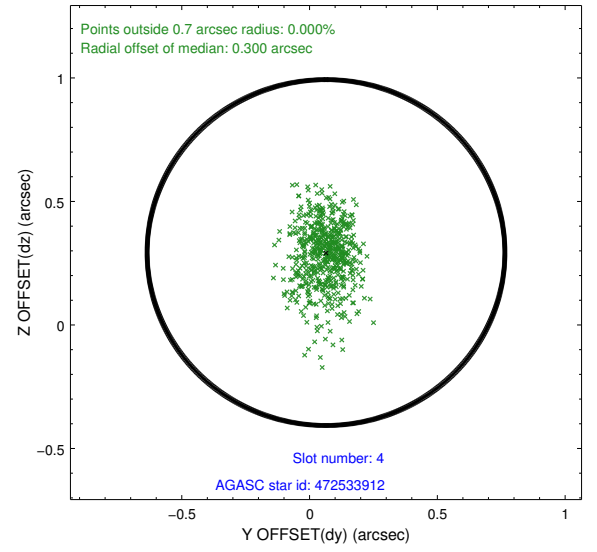
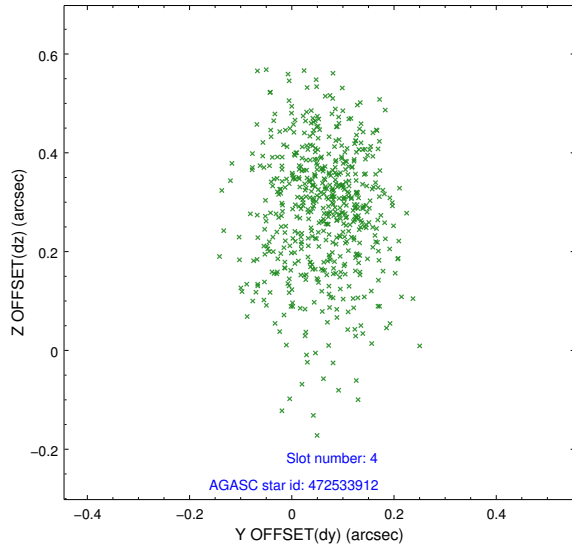
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.04	290	-0.120	-0.167	0.006	0.011	0.000000	0.000000	-1169.42	-466.45
1	FID		HRC-S-2	7.01	290	0.239	-0.174	0.013	0.029	0.000000	0.000000	1226.57	-460.54
2	FID		HRC-S-4	6.96	290	0.284	0.036	0.012	0.026	0.000000	0.000000	1233.39	564.40
3	GUIDE	used	472523760	8.25	579	0.069	-0.143	0.087	0.139	331.645363	45.403260	2286.95	-846.95
4	GUIDE	used	472533912	9.12	579	0.064	0.293	0.147	0.266	331.791136	46.368695	-1081.70	-1764.41
5	GUIDE	used	472655152	9.40	578	0.070	-0.121	0.175	0.263	332.504239	45.862991	-46.22	556.97
6	GUIDE	used	472660976	8.60	579	-0.211	0.014	0.082	0.142	333.433329	46.196713	-2032.20	2260.53
7	GUIDE	used	472665256	9.00	578	0.004	-0.035	0.114	0.177	332.808125	46.195041	-1440.38	823.26

2.4 Star Slots

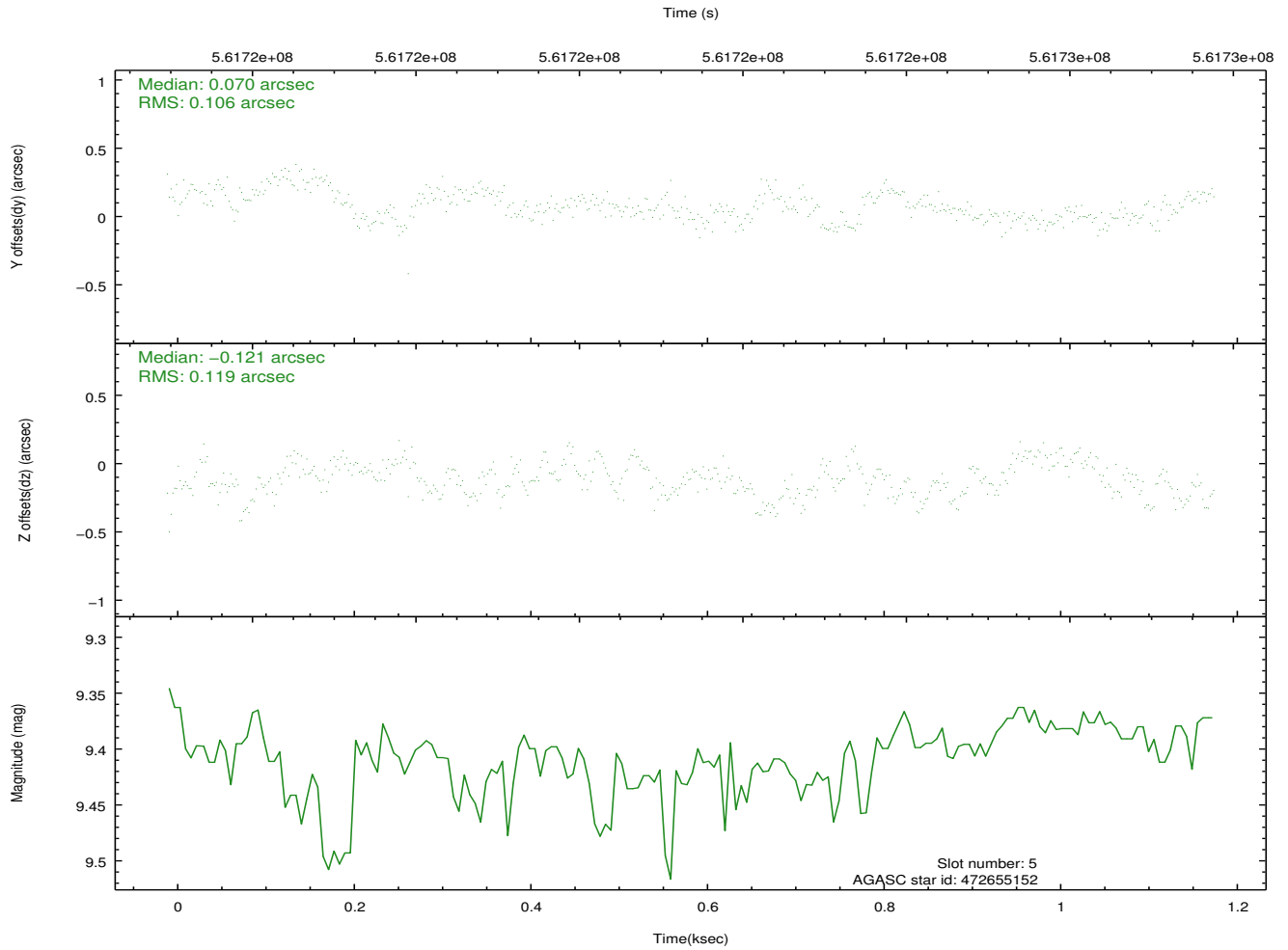
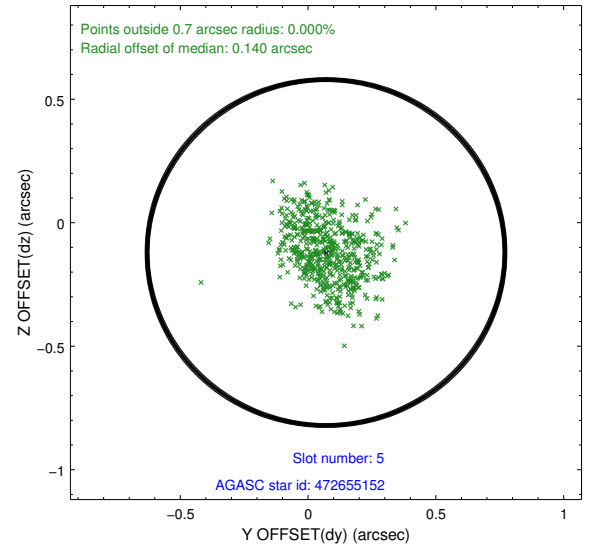
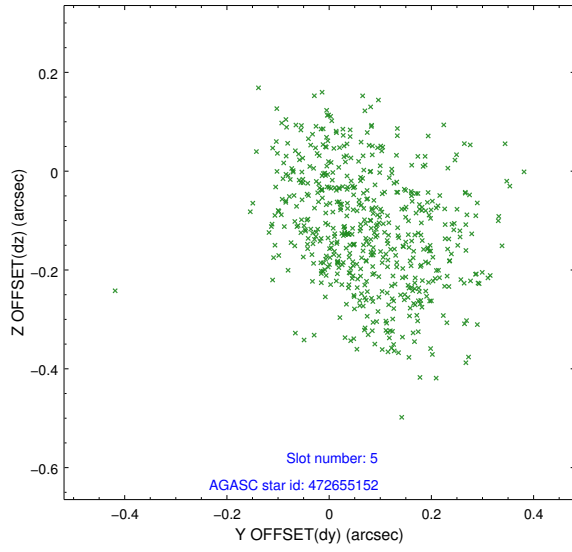
2.4.1 Slot 3



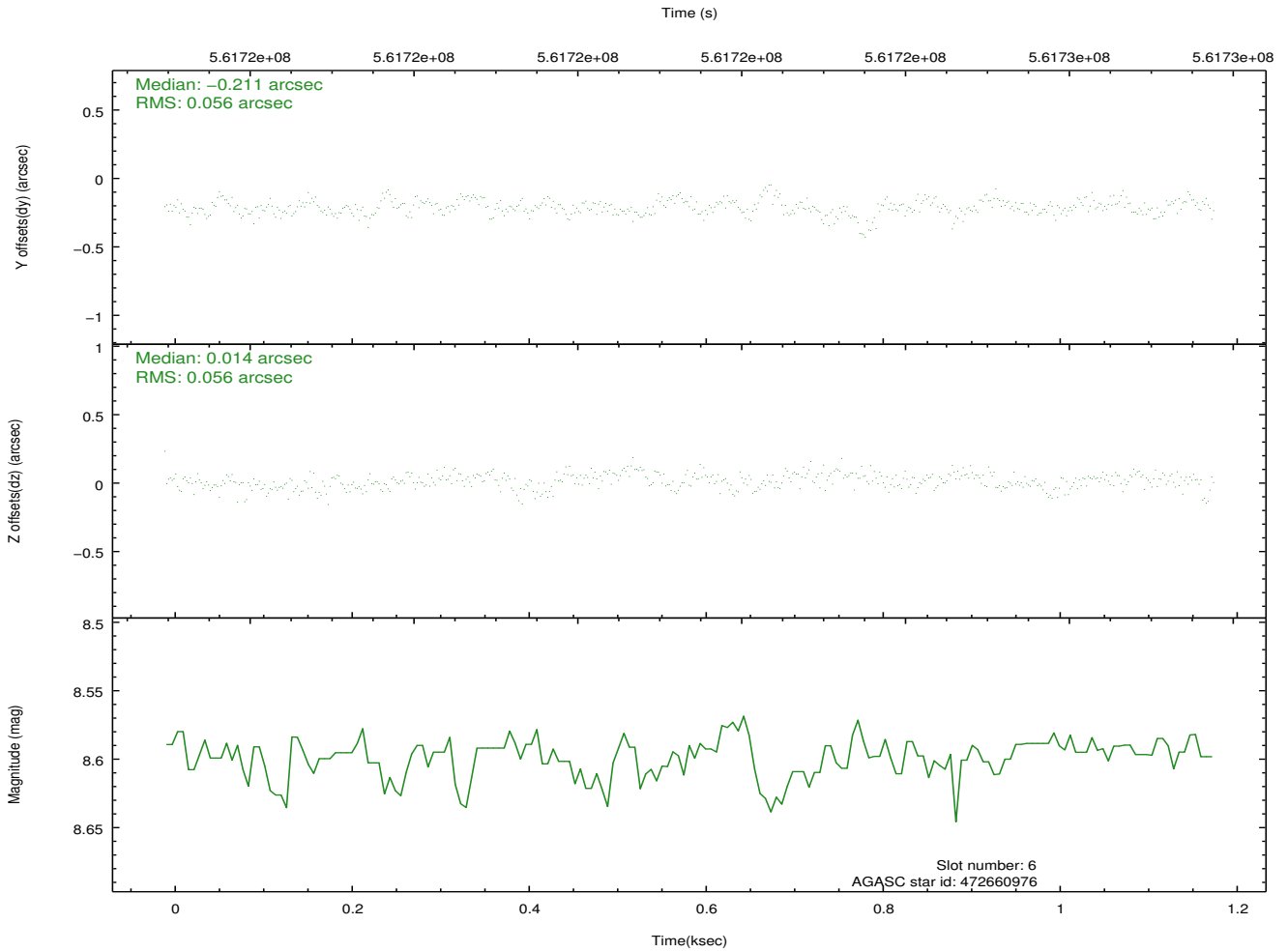
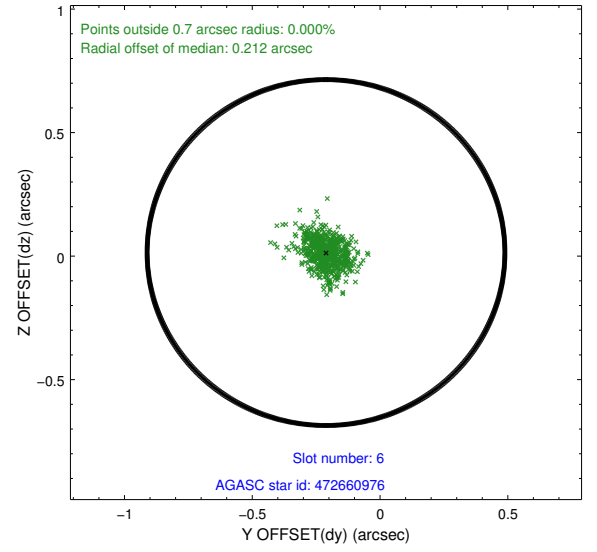
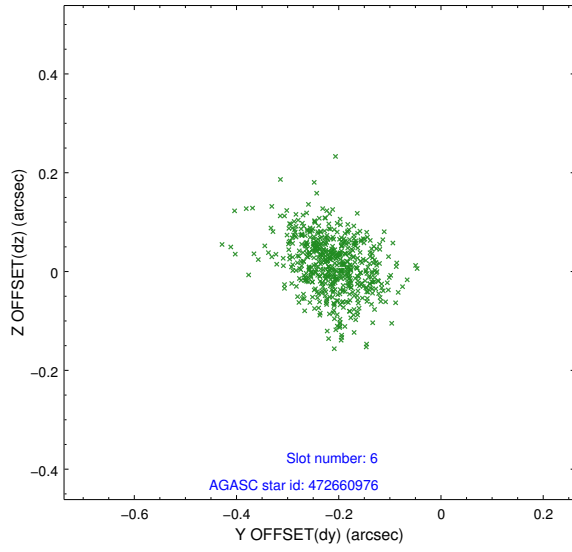
2.4.2 Slot 4



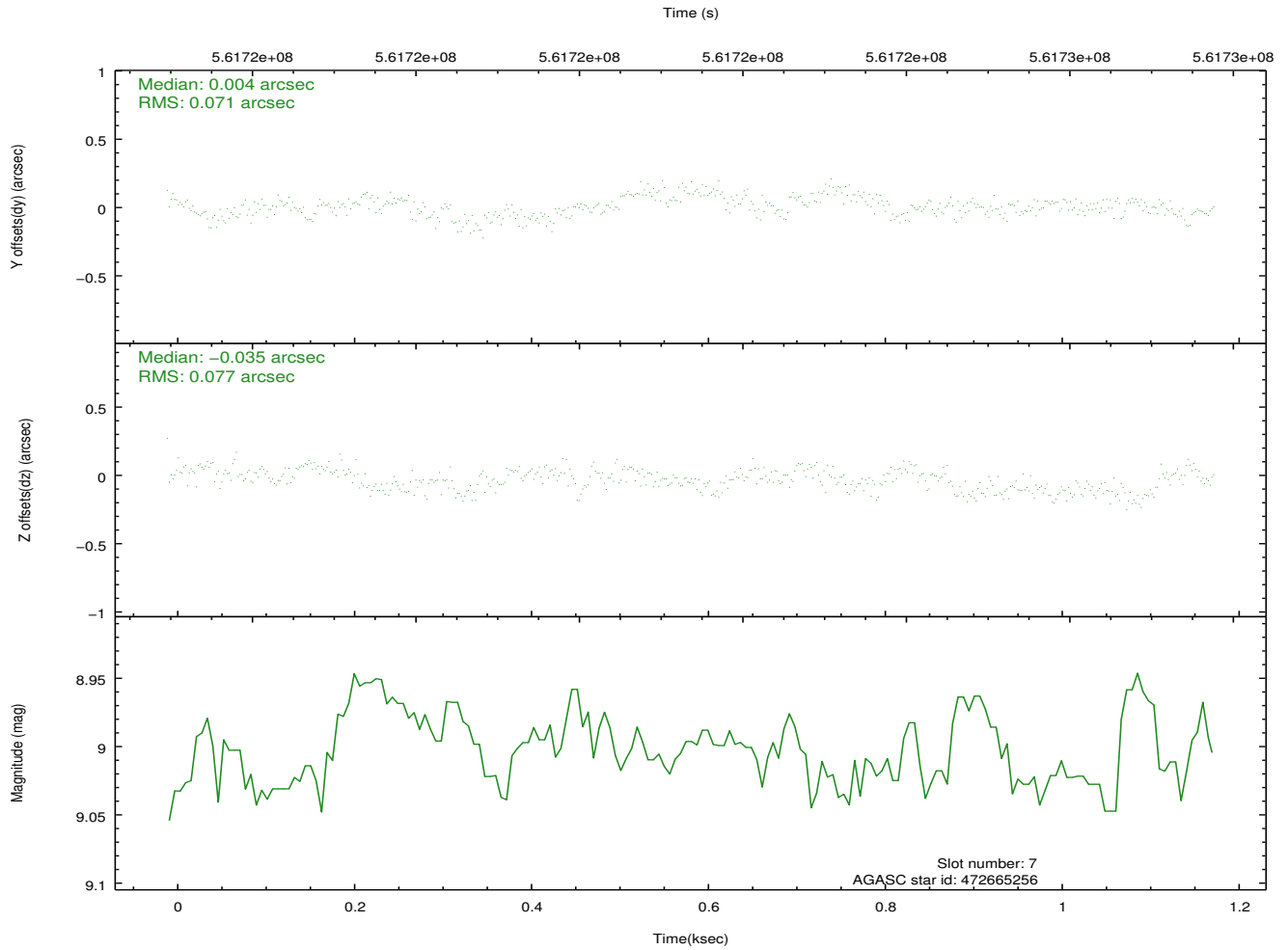
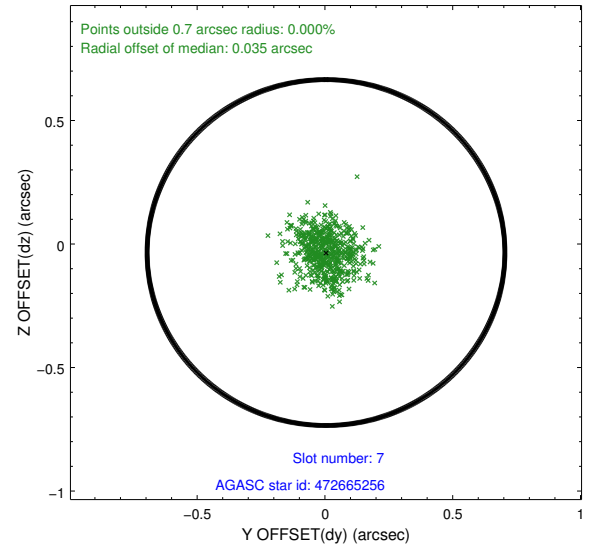
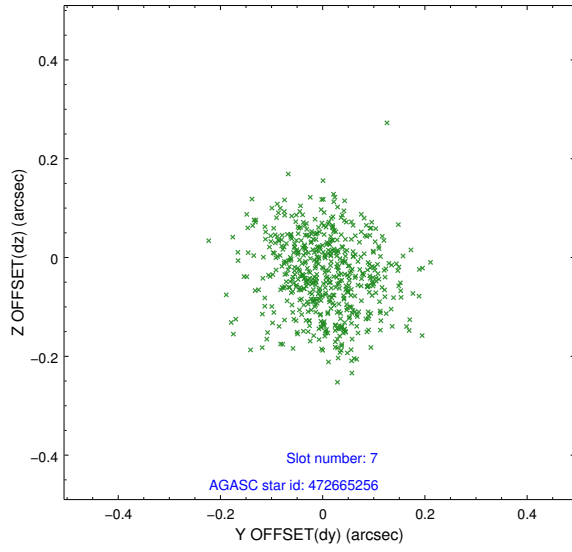
2.4.3 Slot 5



2.4.4 Slot 6

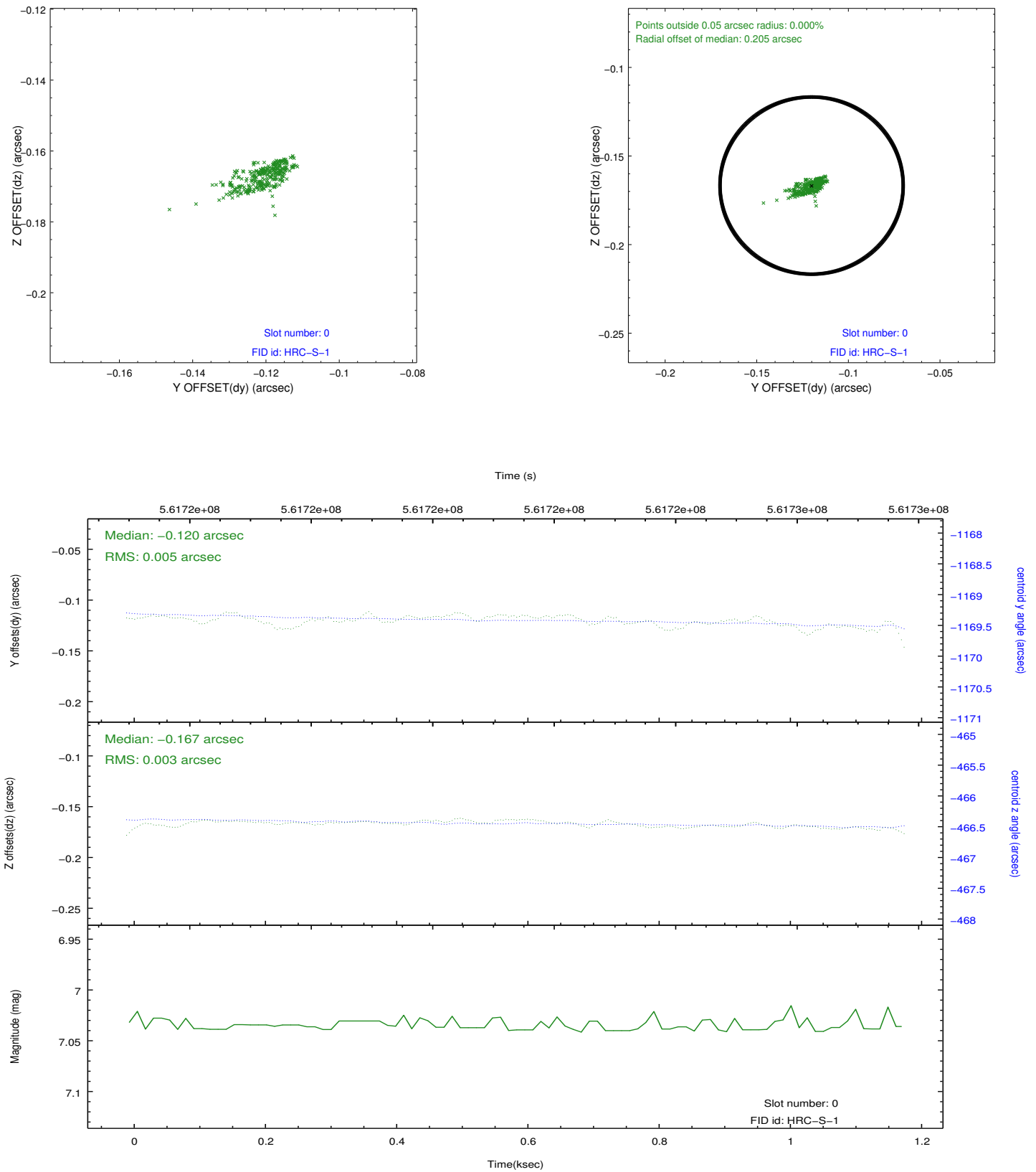


2.4.5 Slot 7

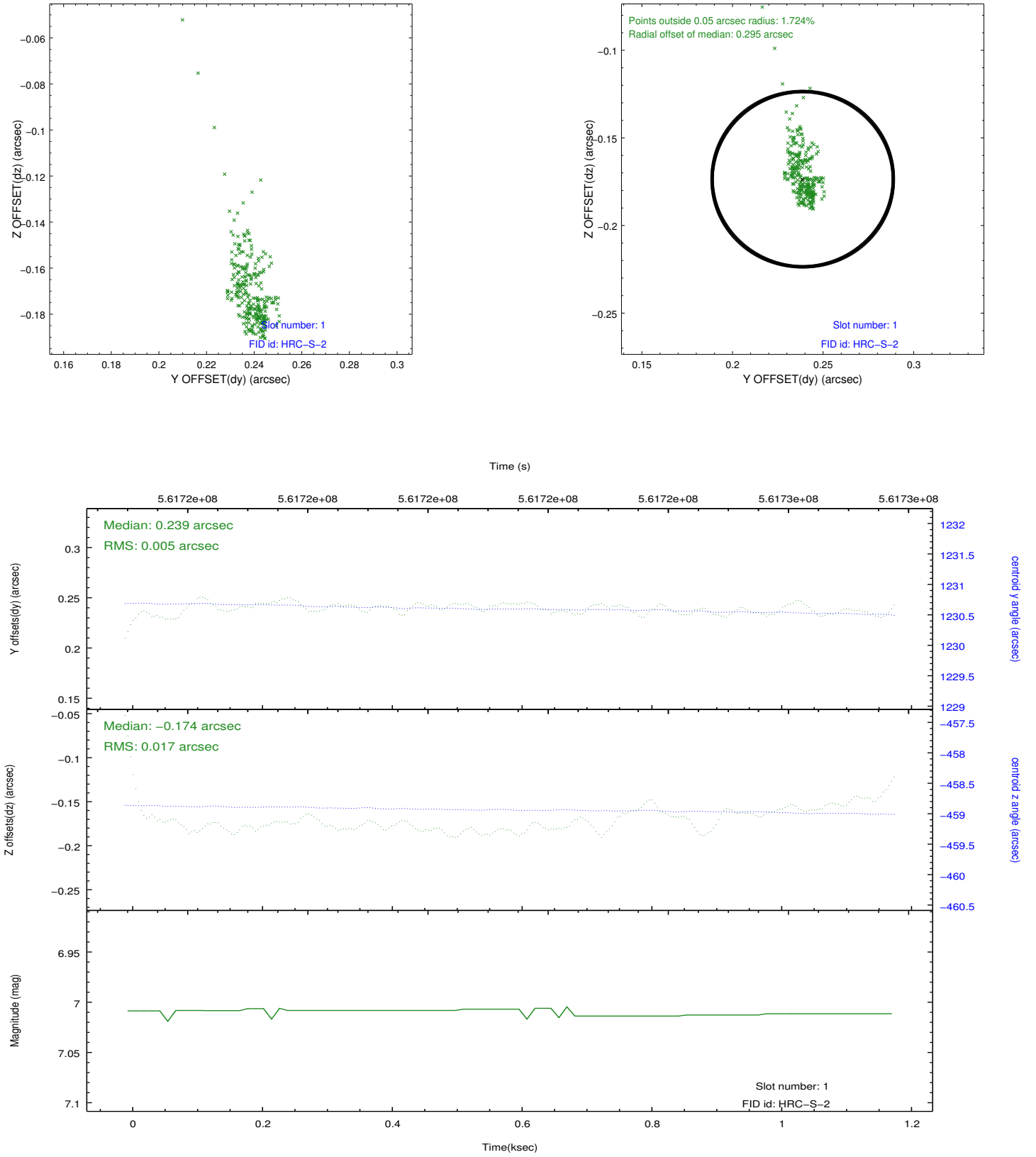


2.5 FID Slots

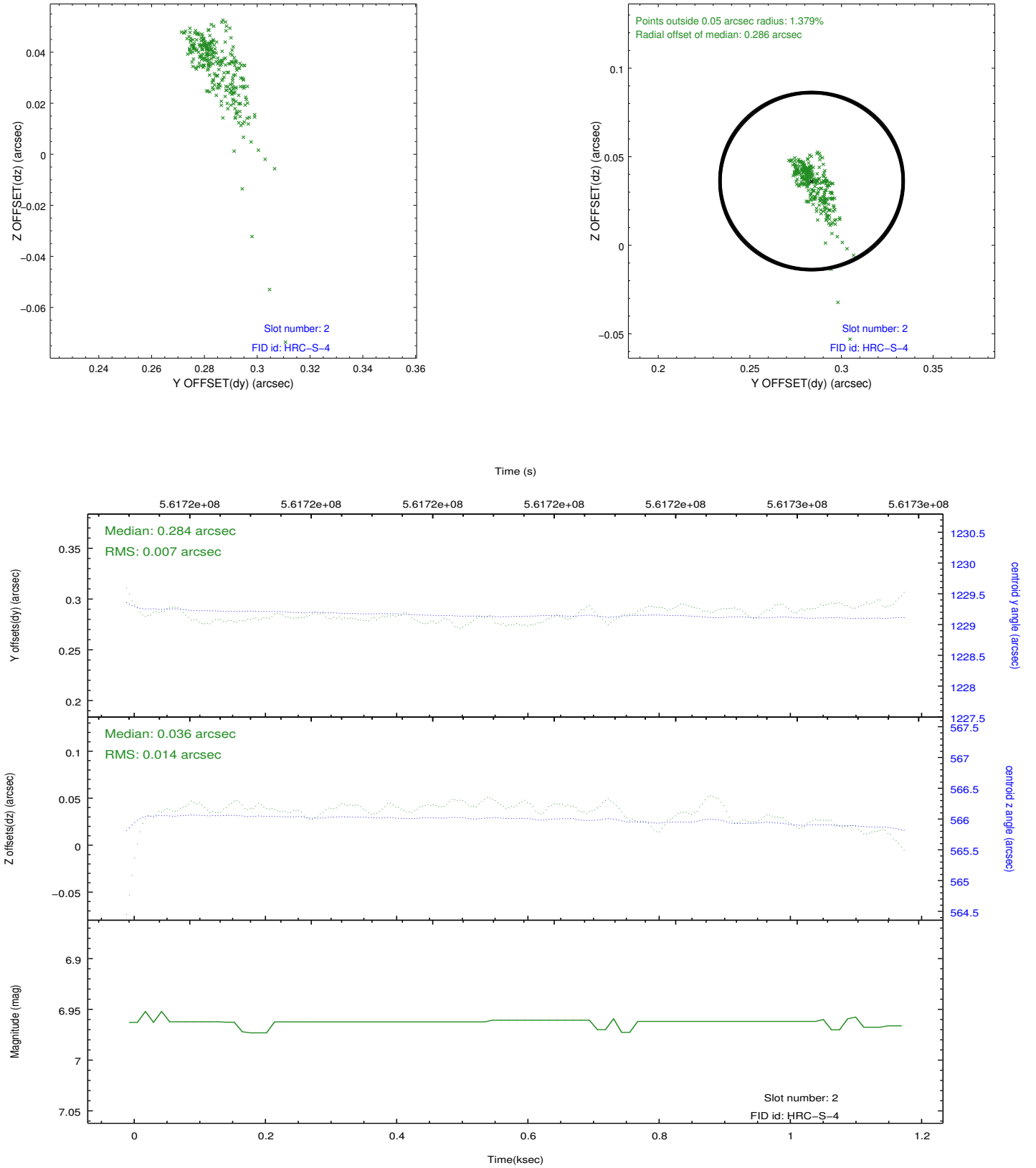
2.5.1 Slot 0



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)	2015.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313155413

A.2 Comments