

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18368 - L2 Version 1
Chandra X-Ray Center

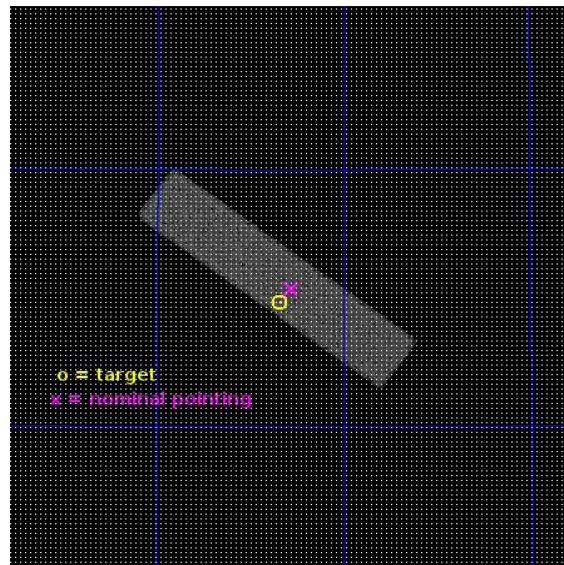
L2 Processing Date : Sep 22 2016

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1 Front

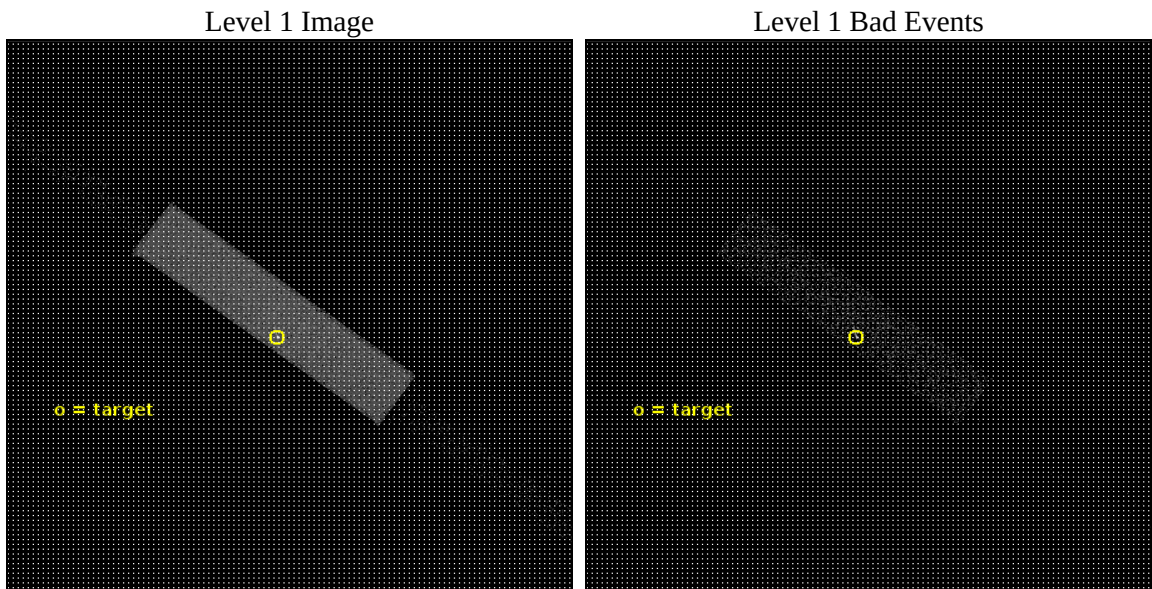
seq_num	291263	Sequence number
obs_id	18368	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13962721758	Nominal RA [deg]
dec_nom	45.768188004972	Nominal Dec [deg]
roll_nom	216.25155911133	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1083.1688126326	[s]
livetime	1074.8936801736	Ontime multiplied by DTCOR
l2events	63089	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	10.5.1.1	Processing system revision	ontime	1083.1688126326	[s]
caldbver	4.7.2	 	l1events	101849	Number of level 1 events
date	2016-09-23T01:51:44	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

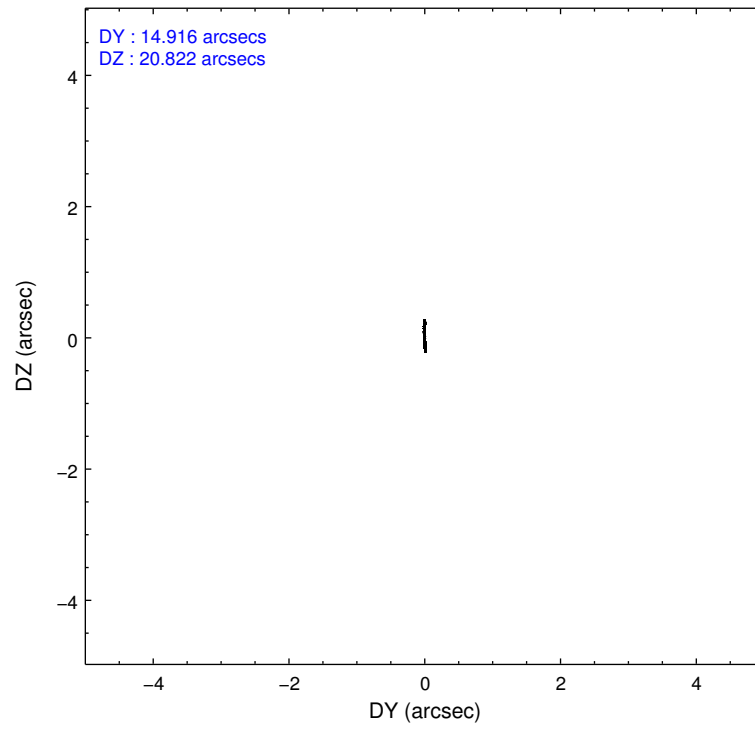
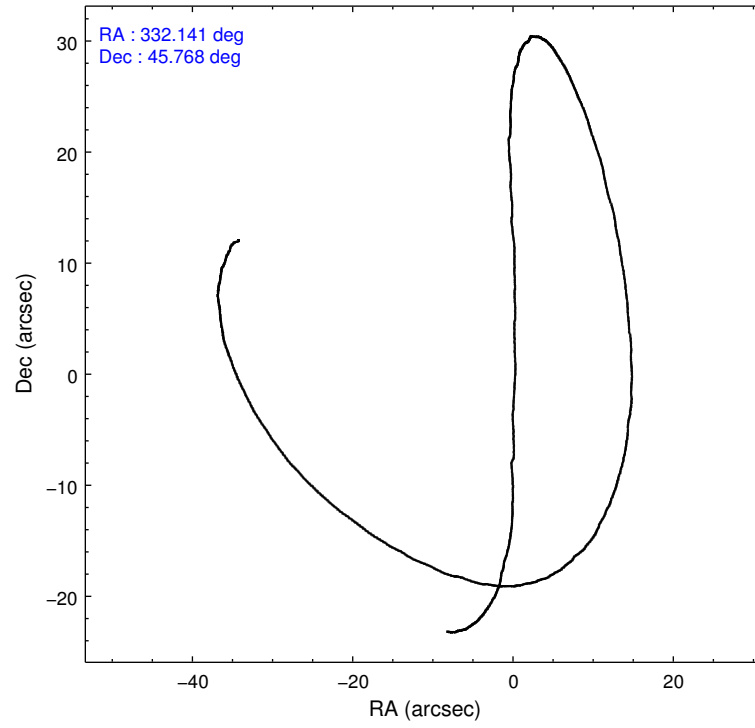
	segment 1	segment 2	segment 3
level 1 events	850	100202	797
rejected events	850	27280	797
rejected %	100%	27%	100%

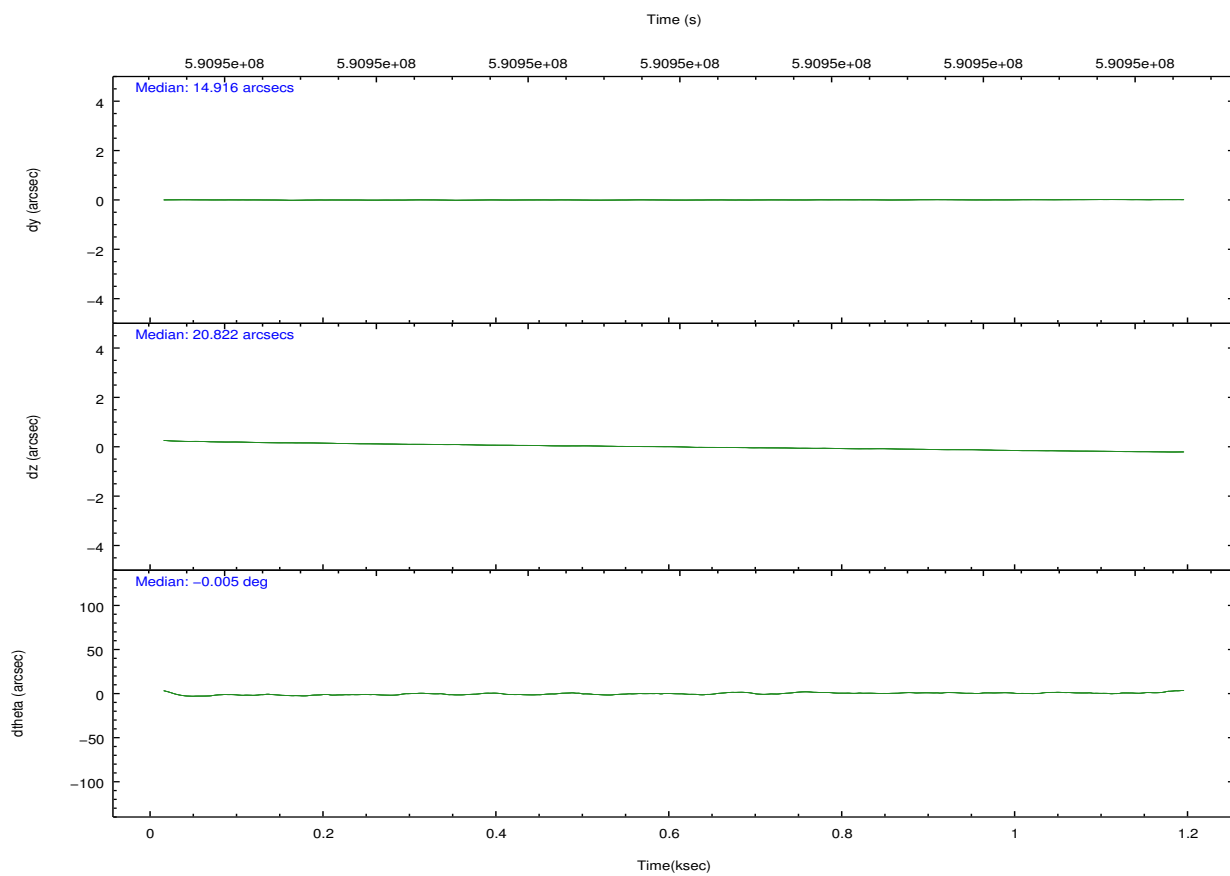
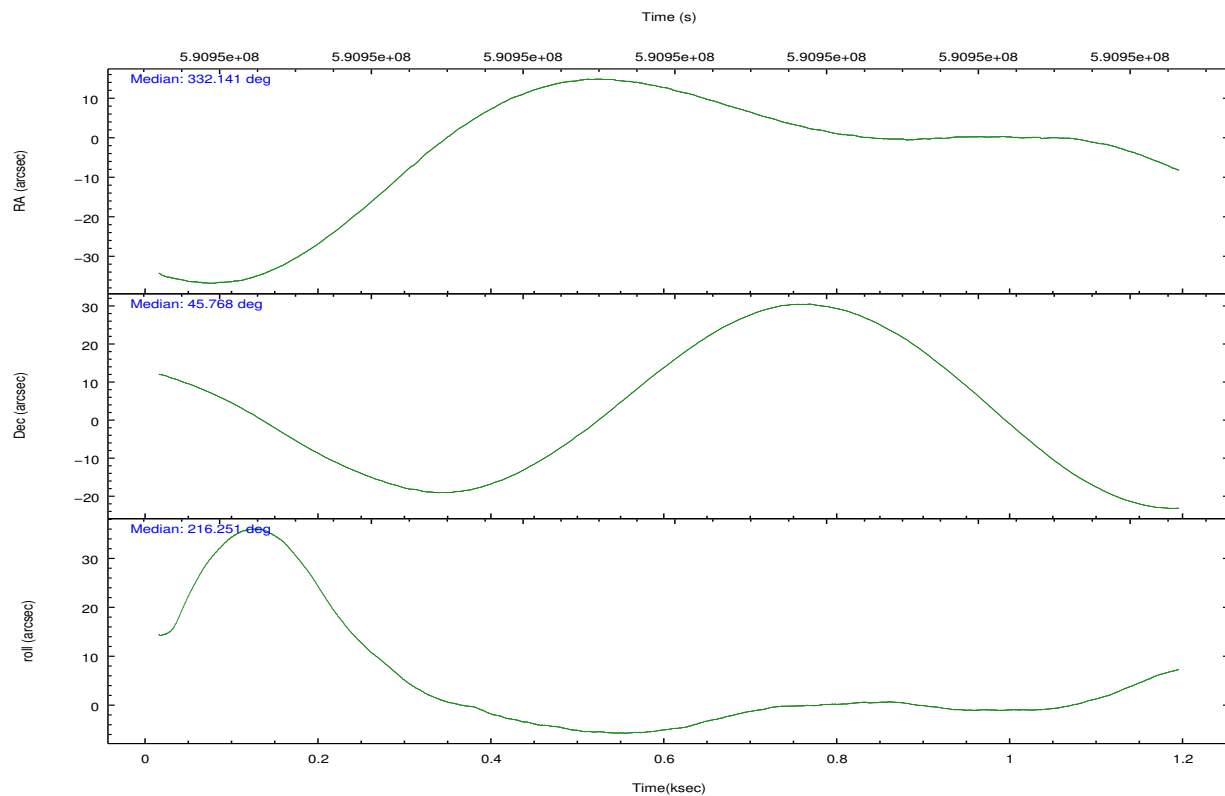
2.2 Compared Parameters

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	332.154680	332.1396272175779
[deg] Pointing Dec	45.795510	45.76818800497171
[deg] Pointing Roll	216.173576	216.2515591113321
[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)	590946180.184000	590945804.63798
Observation start date	2016-09-22T15:41:52	2016-09-22T15:36:44
[s] Observation end time (MET)	590947180.184000	590947314.46306
Observation end date	2016-09-22T15:58:32	2016-09-22T16:01:54

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

2.3 Aspect



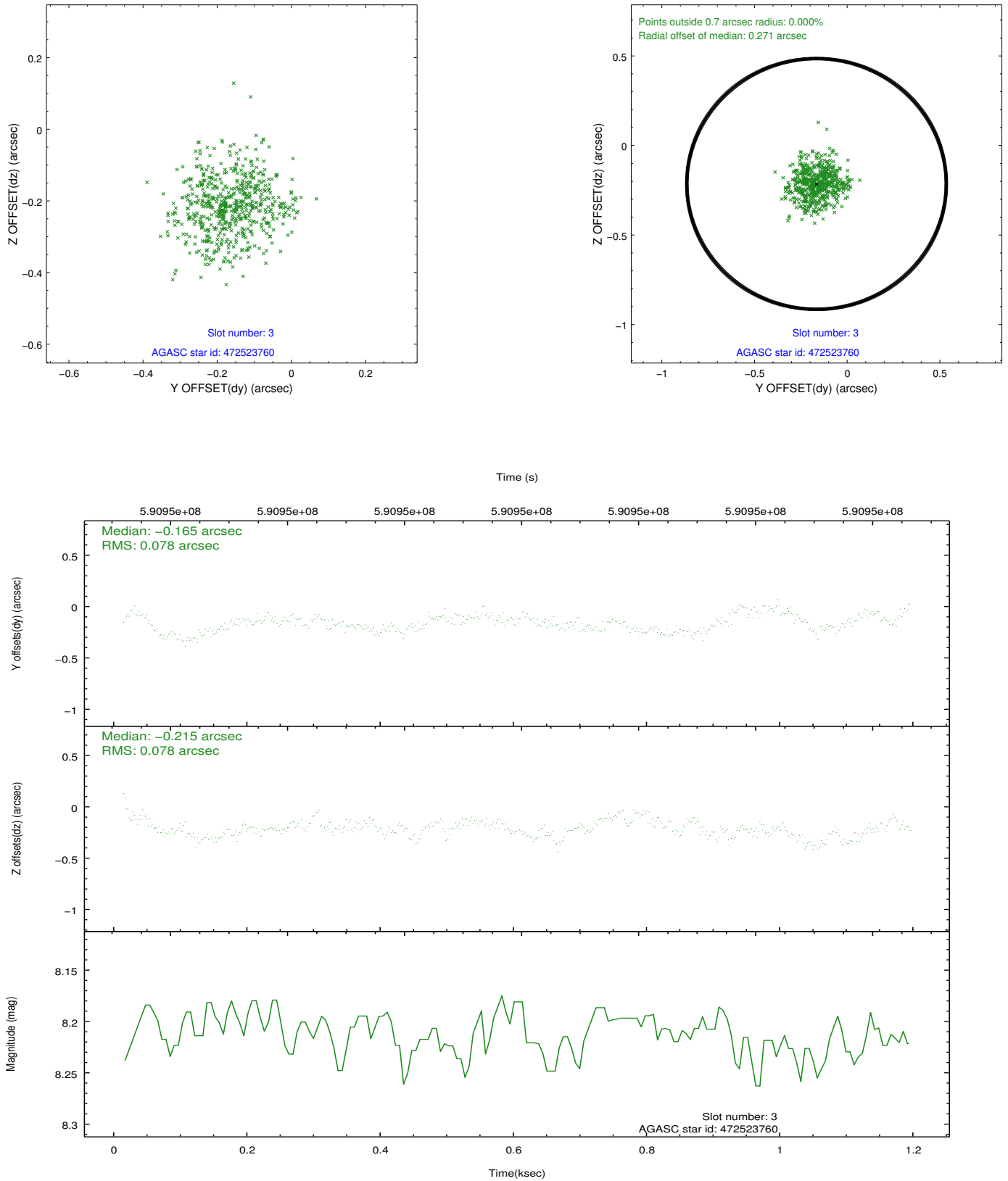


Slot Statistics

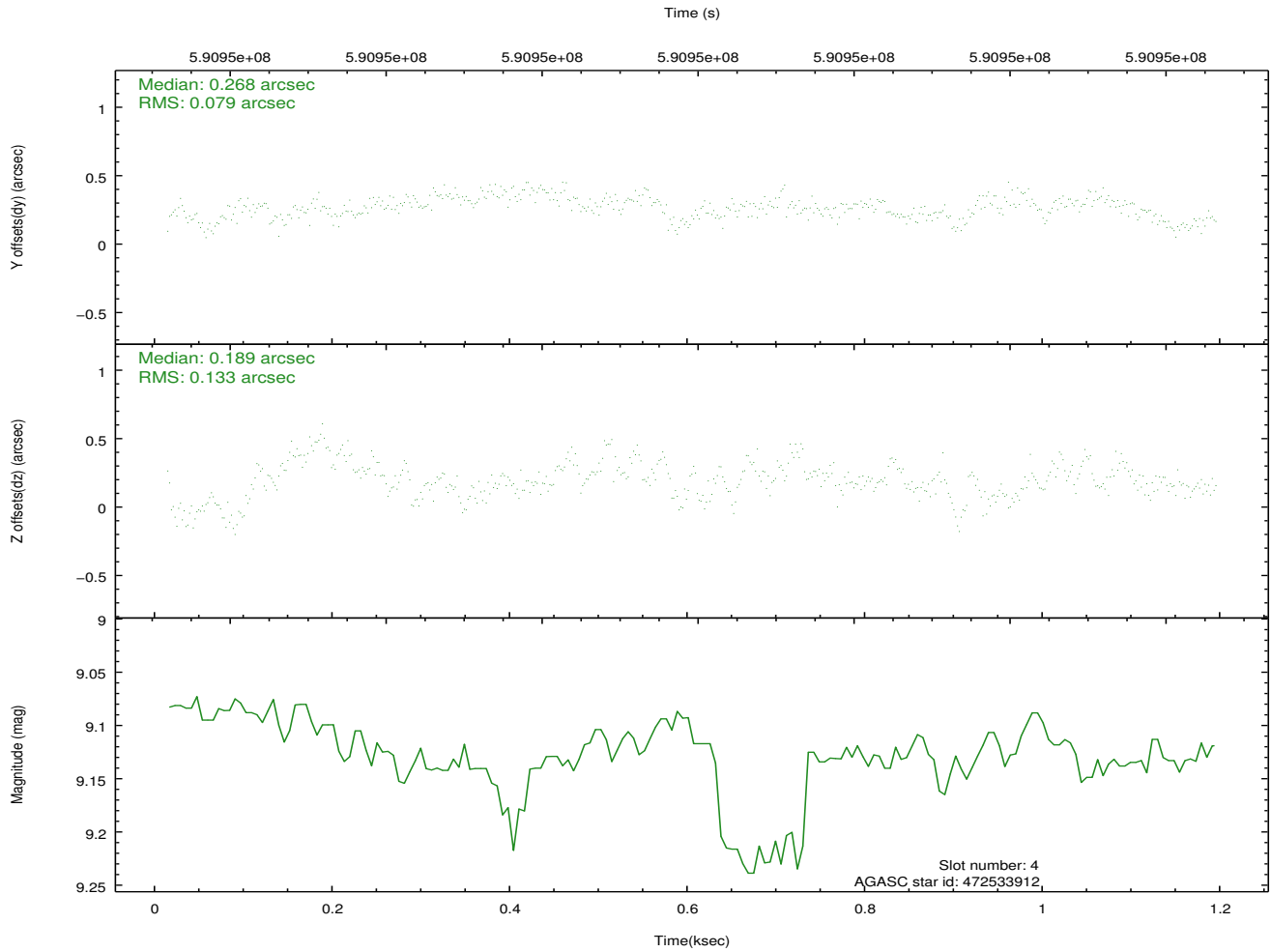
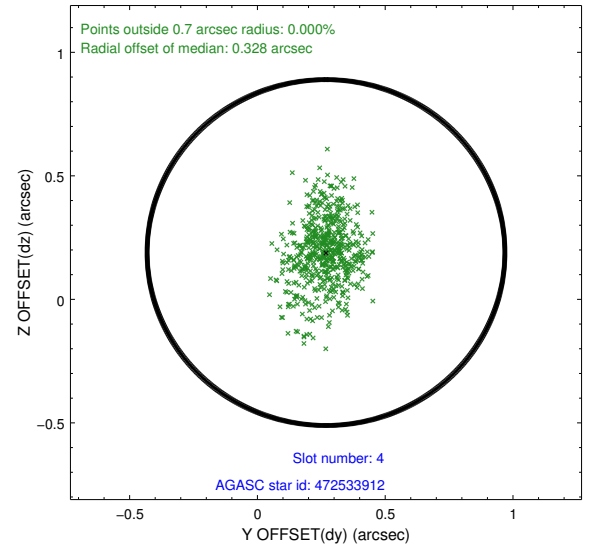
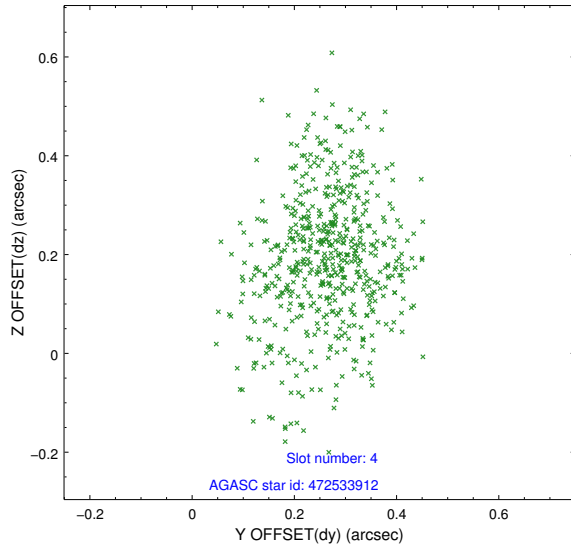
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-2	7.07	288	0.214	-0.237	0.009	0.018	0.000000	0.000000	1230.52	-462.52
1	FID		HRC-S-3	7.08	288	-0.056	-0.065	0.005	0.010	0.000000	0.000000	-1167.88	558.15
2	FID		HRC-S-4	7.05	288	0.248	0.006	0.007	0.016	0.000000	0.000000	1225.05	564.38
3	GUIDE	used	472523760	8.21	577	-0.165	-0.215	0.118	0.182	331.645363	45.403260	1869.41	375.98
4	GUIDE	used	472533912	9.13	577	0.268	0.189	0.158	0.279	331.791136	46.368695	-487.56	-2200.07
5	GUIDE	used	472655152	9.39	577	-0.015	-0.113	0.207	0.363	332.504239	45.862991	-853.63	315.34
6	GUIDE	used	472665256	8.98	577	0.164	0.281	0.134	0.205	332.808125	46.195041	-2169.52	-205.02
7	GUIDE	used	420754040	9.03	576	-0.300	-0.125	0.136	0.403	331.917939	44.882543	2420.21	2295.68

2.4 Star Slots

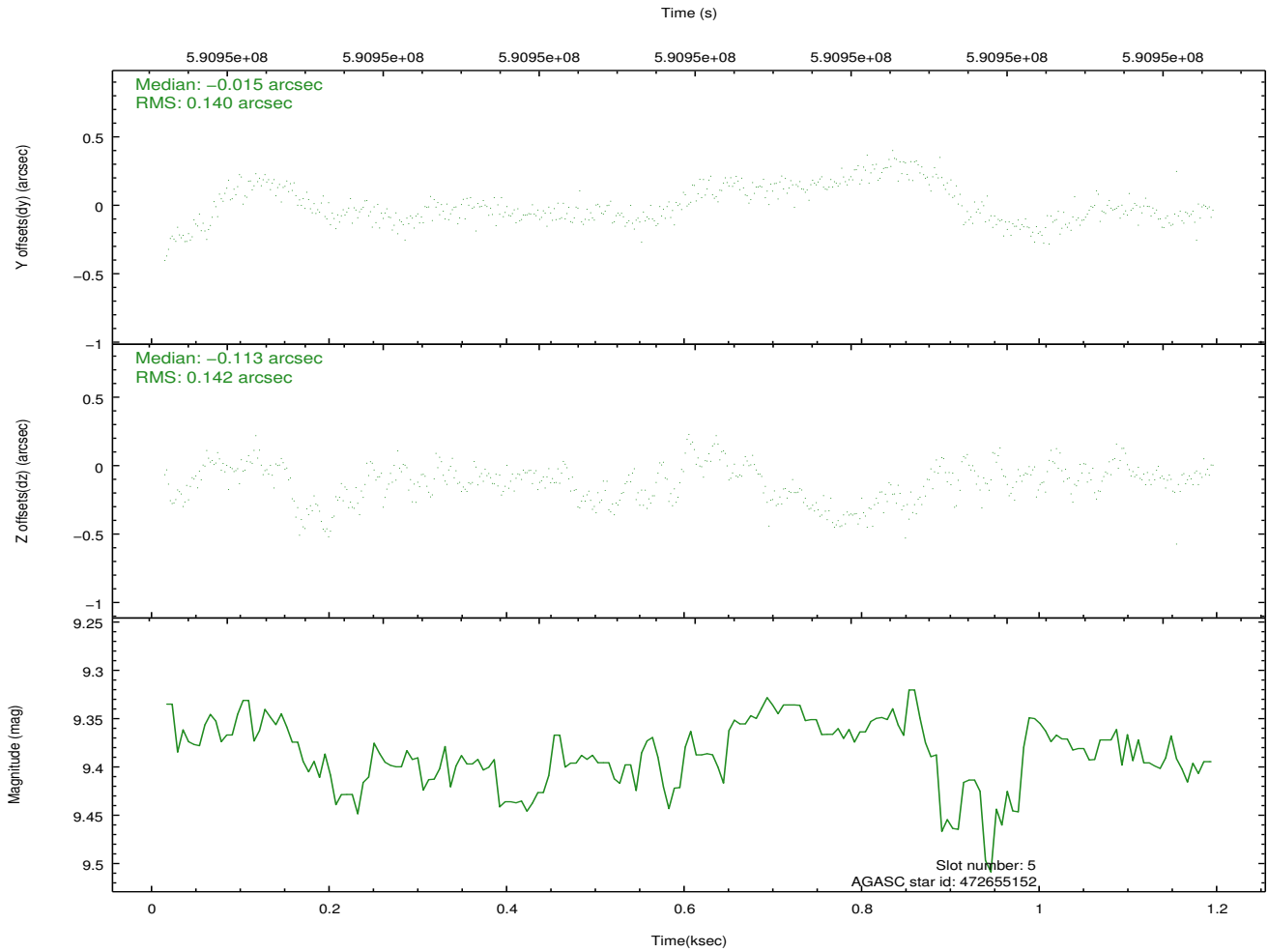
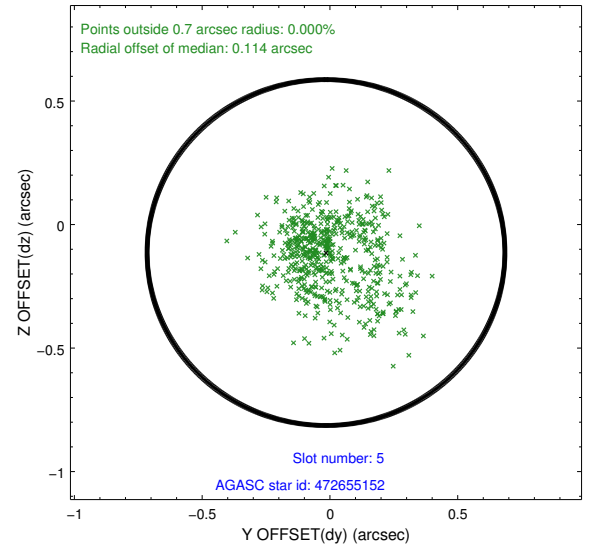
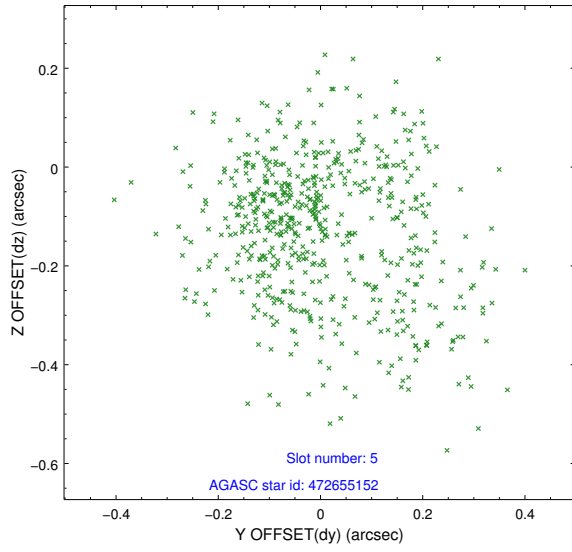
2.4.1 Slot 3



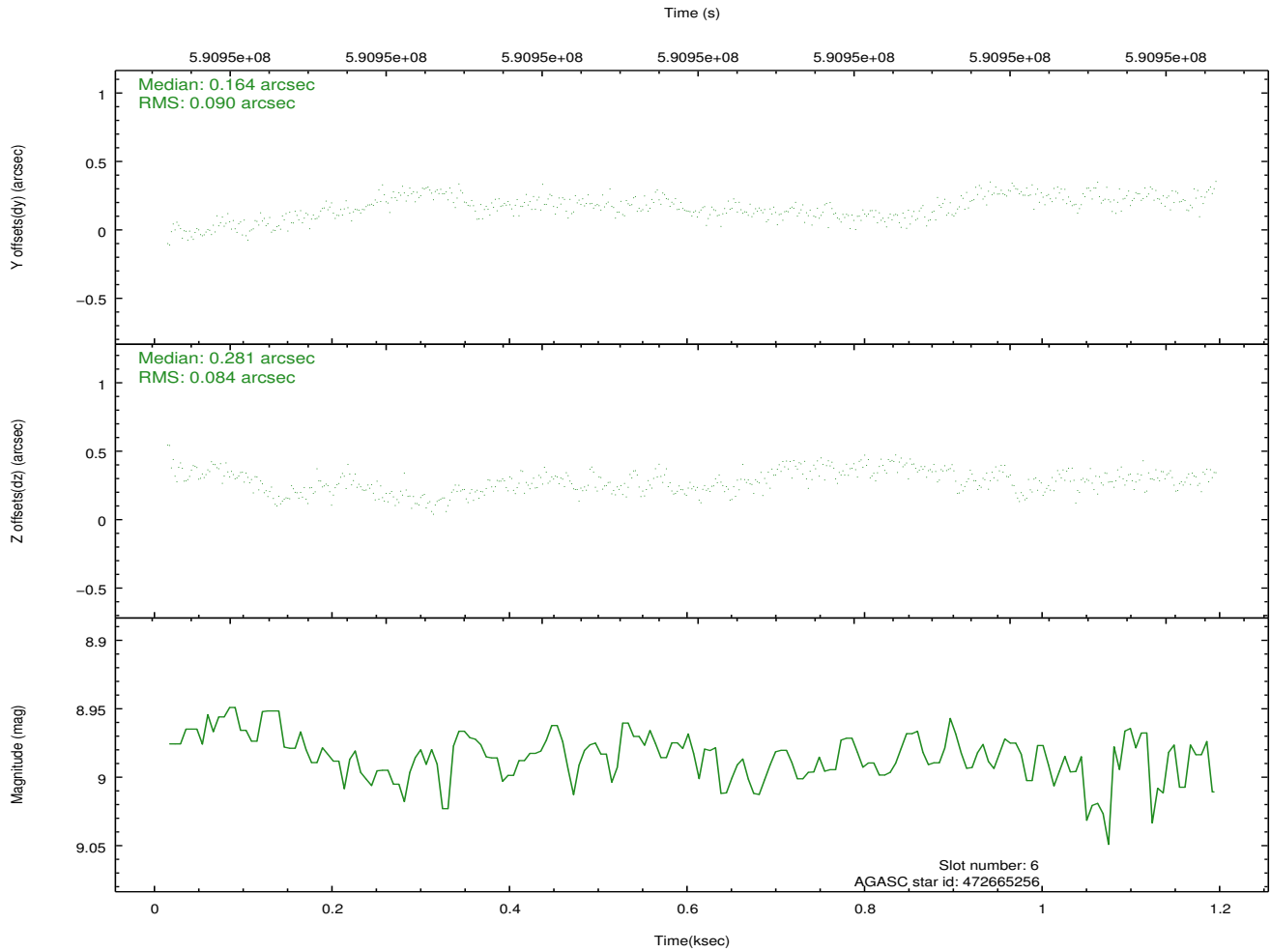
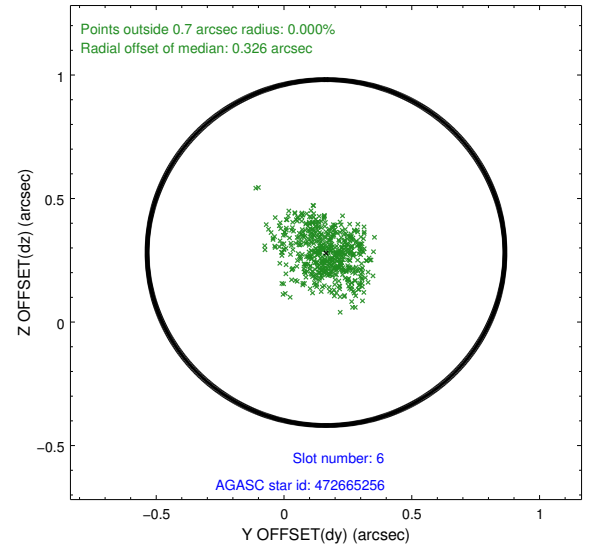
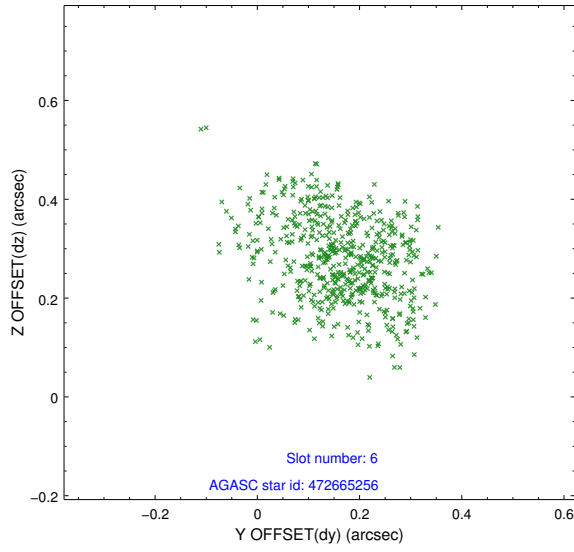
2.4.2 Slot 4



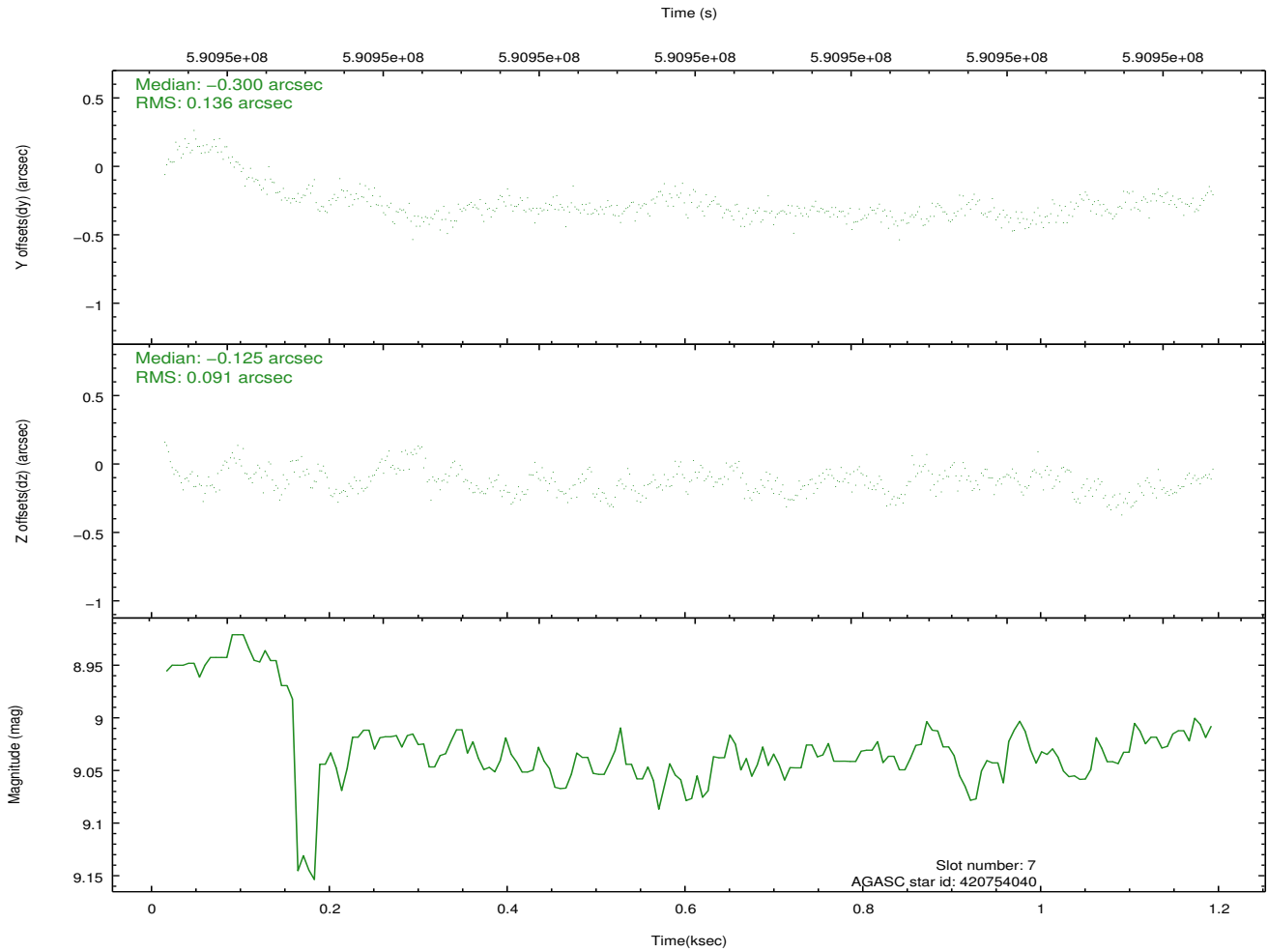
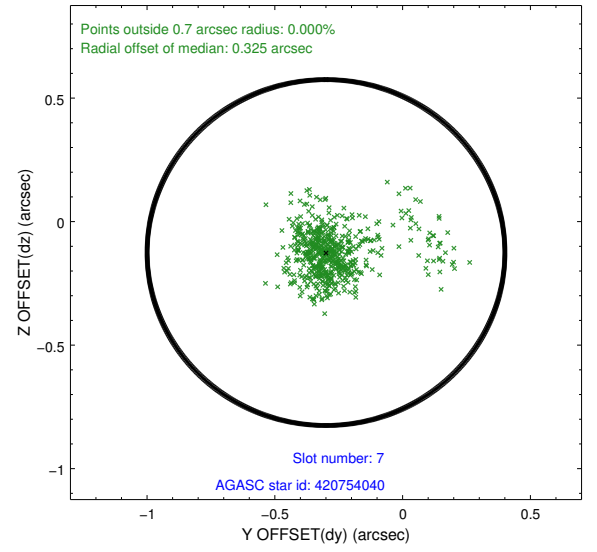
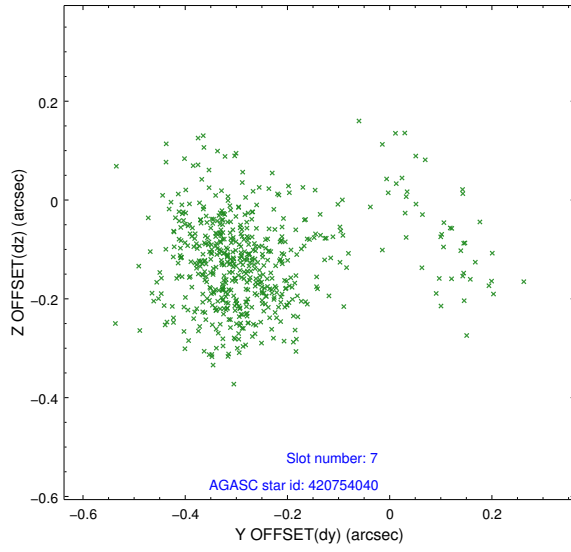
2.4.3 Slot 5



2.4.4 Slot 6

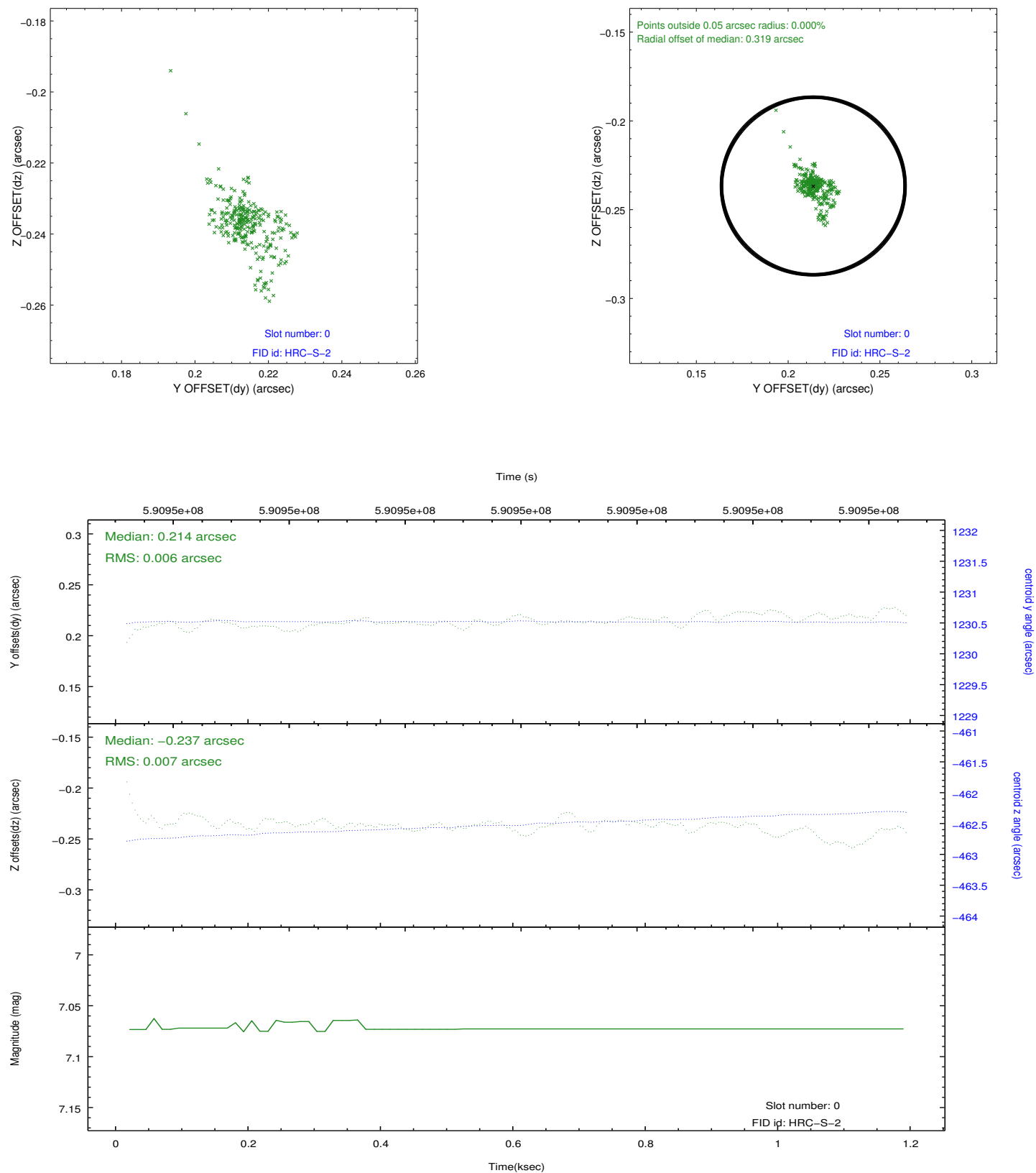


2.4.5 Slot 7

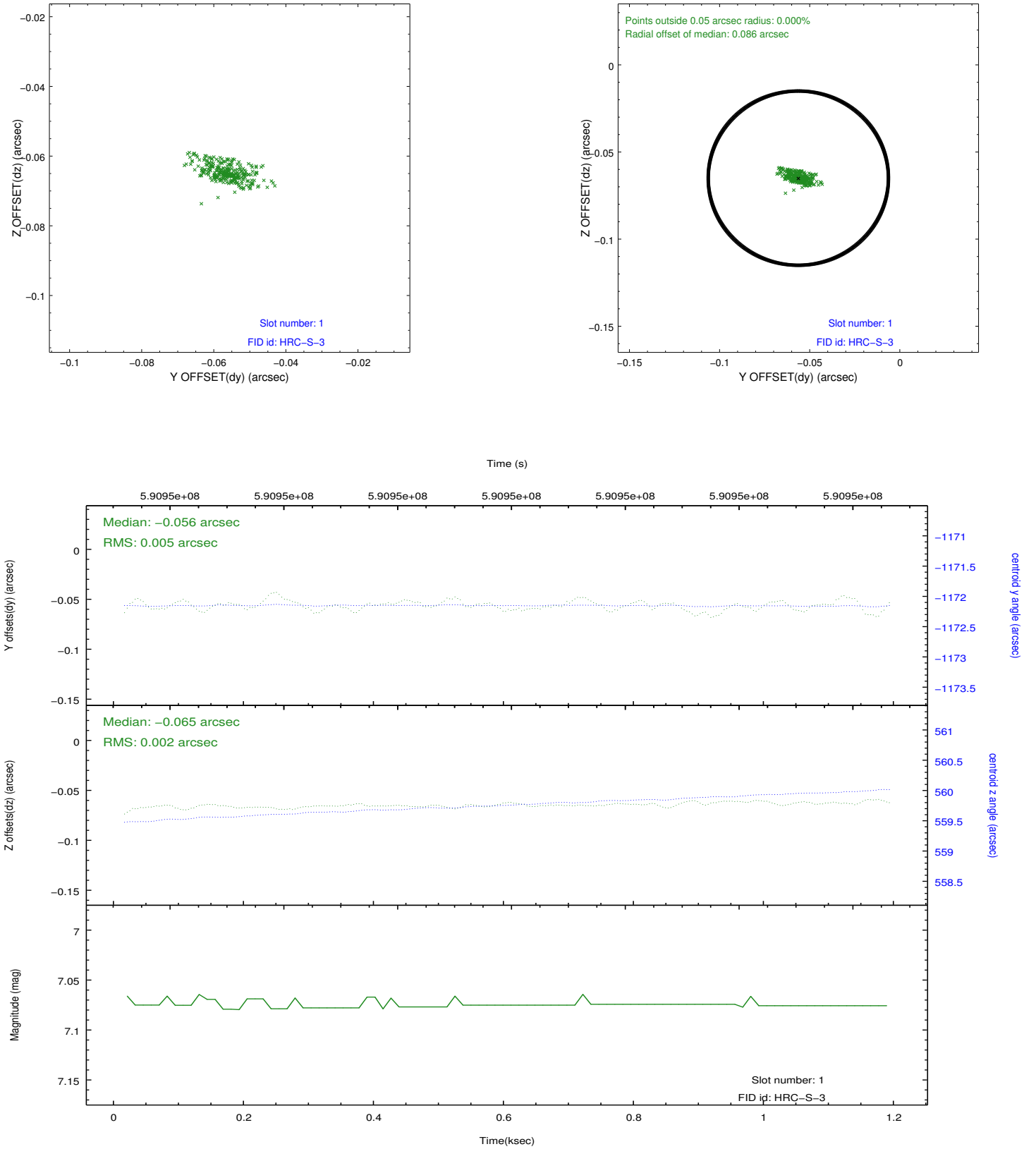


2.5 FID Slots

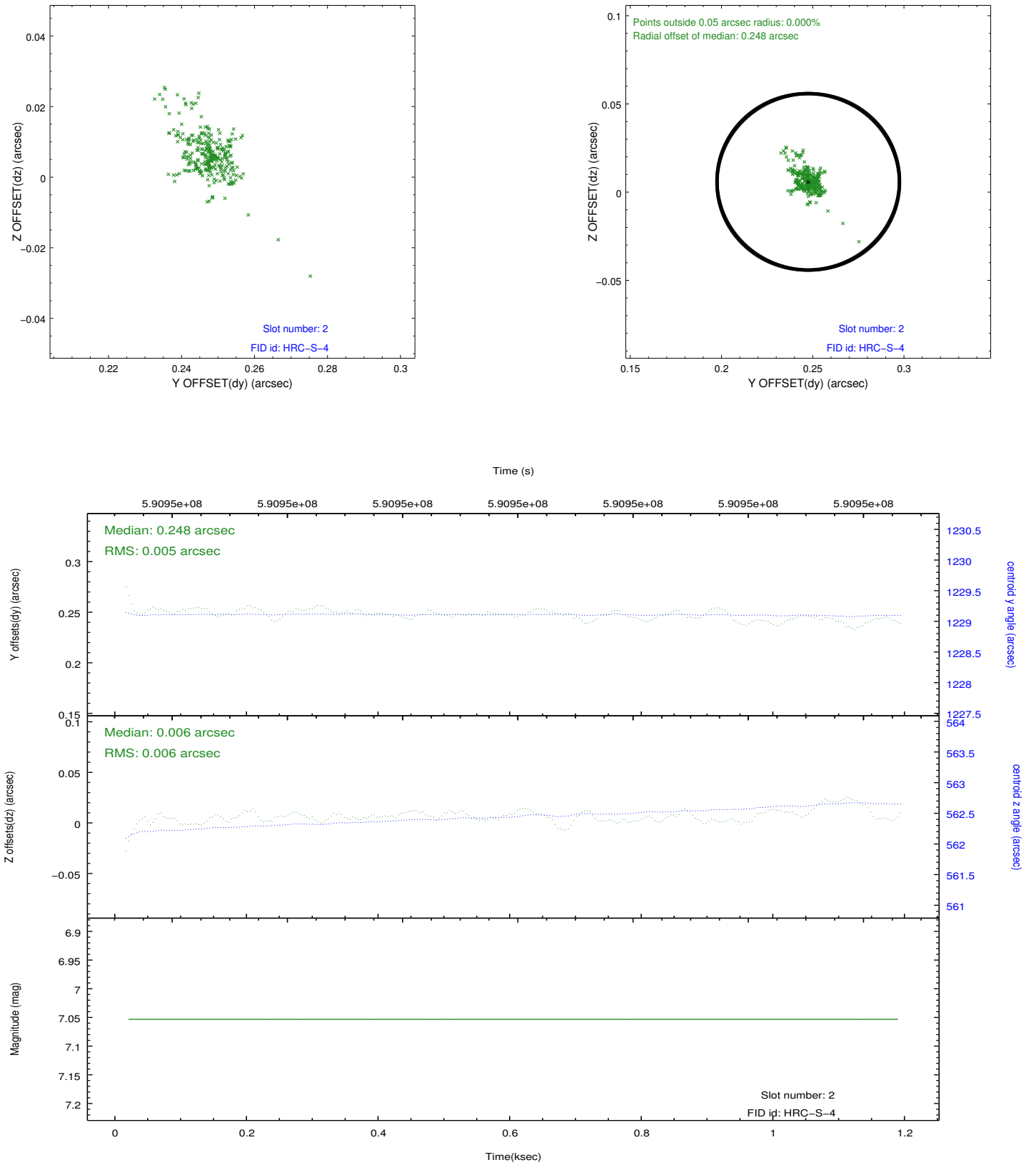
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0831688126326

A.2 Comments