

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17354 - L2 Version 1
Chandra X-Ray Center

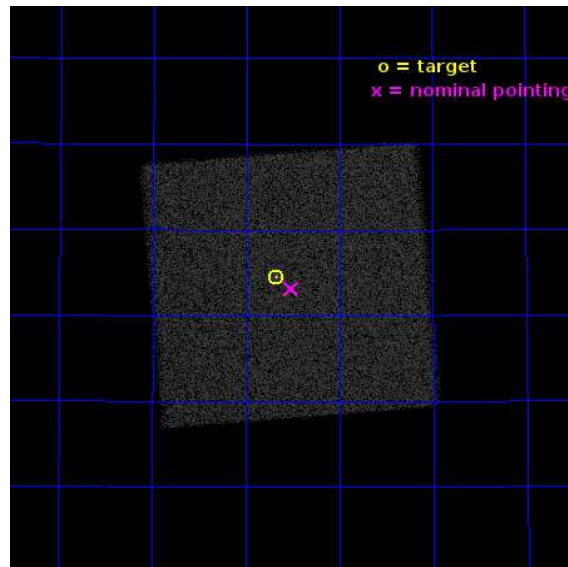
L2 Processing Date : Sep 27 2015

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1 Front

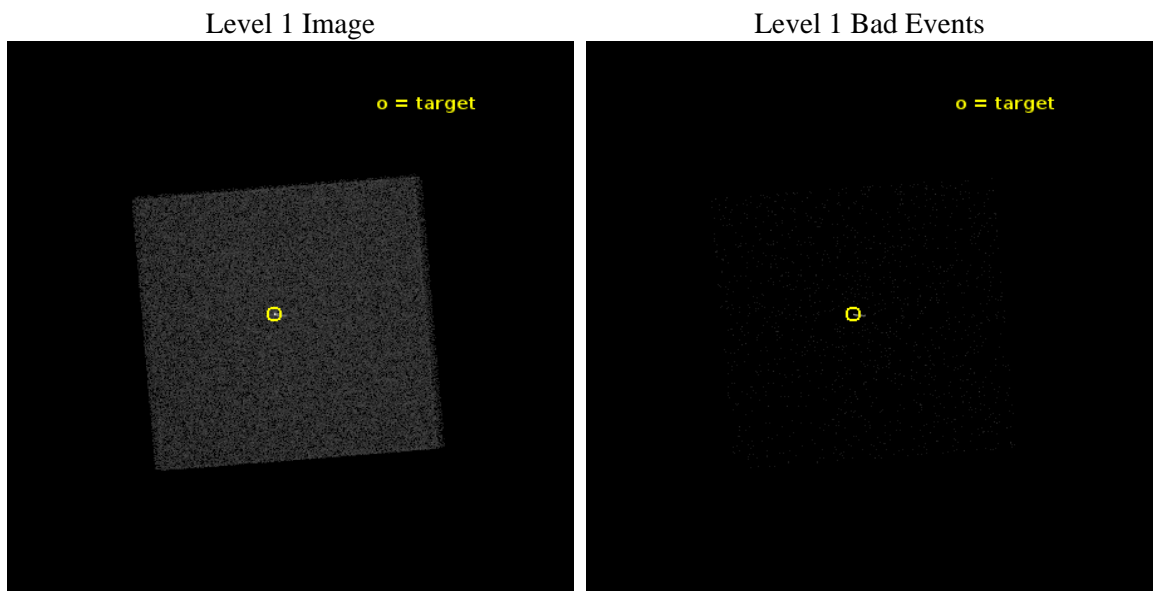
seq_num	291227	Sequence number
obs_id	17354	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12882388501	Nominal RA [deg]
dec_nom	45.71898992205	Nominal Dec [deg]
roll_nom	220.26205672926	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813173532	[s]
livetime	1179.5669098374	Ontime multiplied by DTCOR
l2events	88909	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	10.4.1	Processing system revision	ontime	1190.2813173532	[s]
caldbver	4.6.8	 	l1events	148121	Number of level 1 events
date	2015-09-27T03:43:09	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

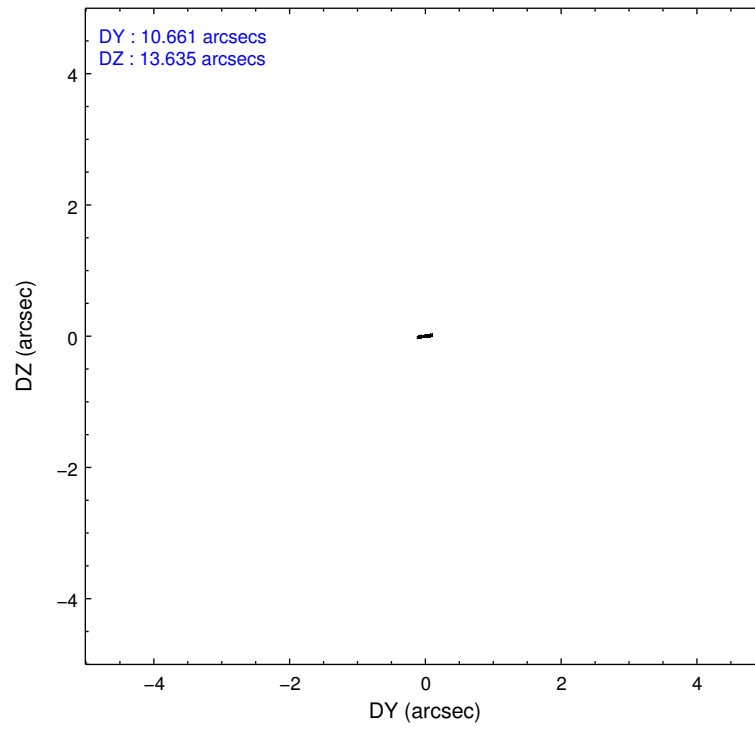
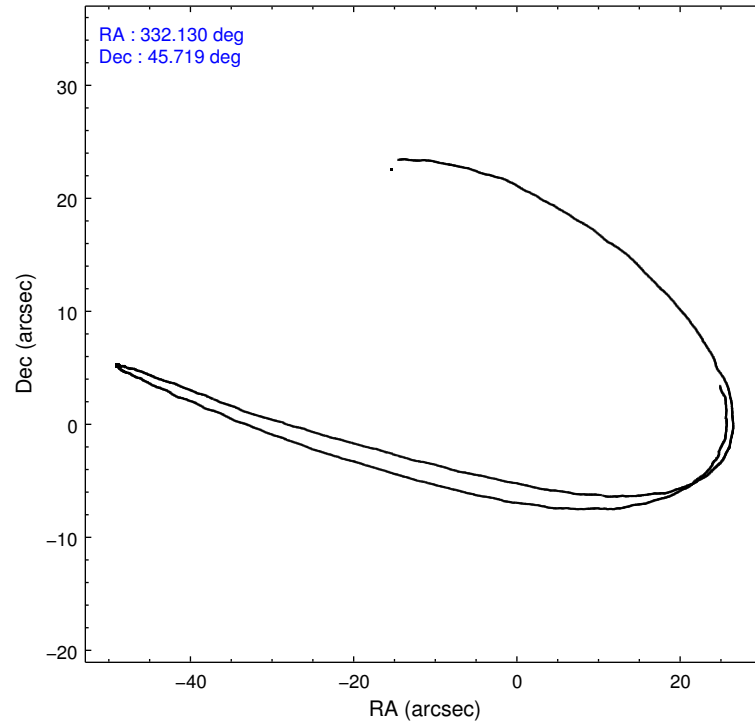
	segment 0
level 1 events	148121
rejected events	31133
rejected %	21%

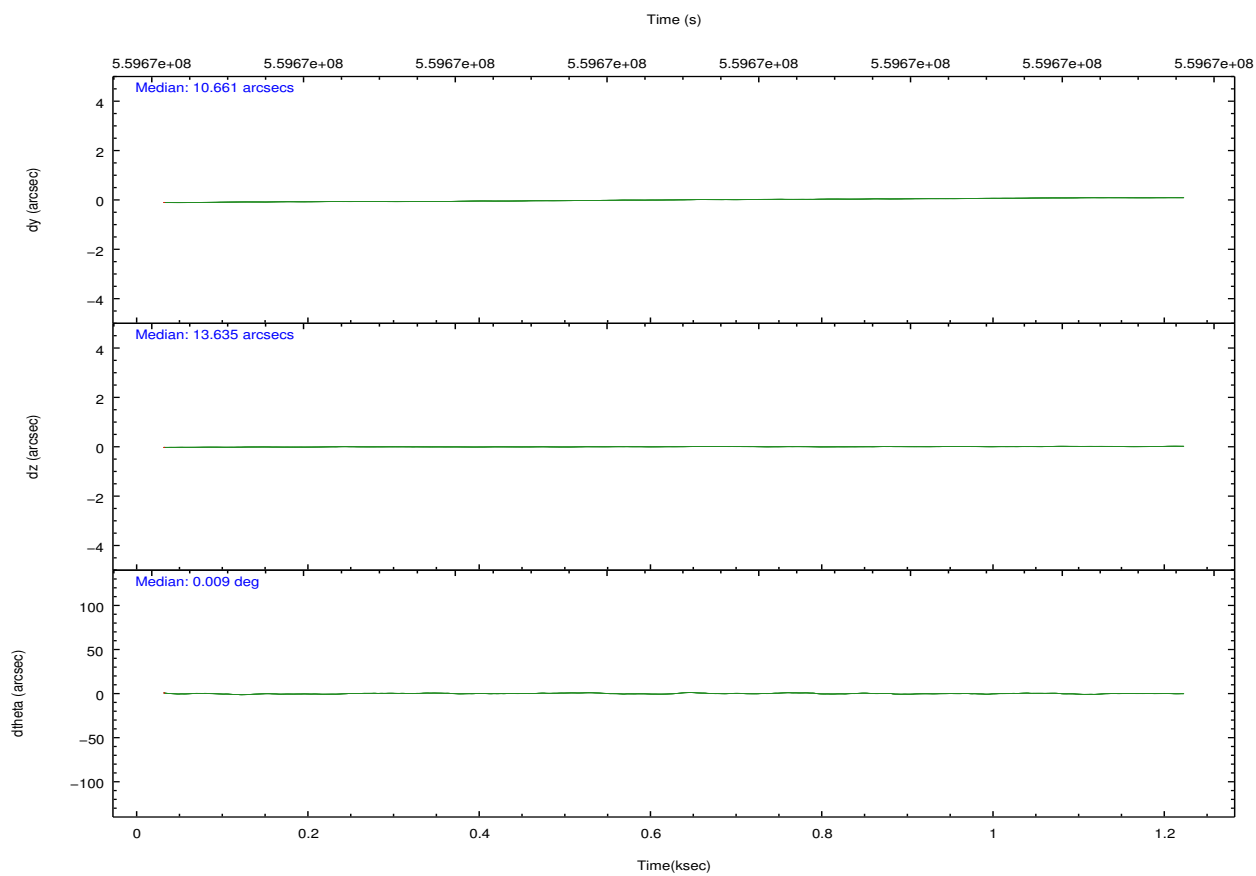
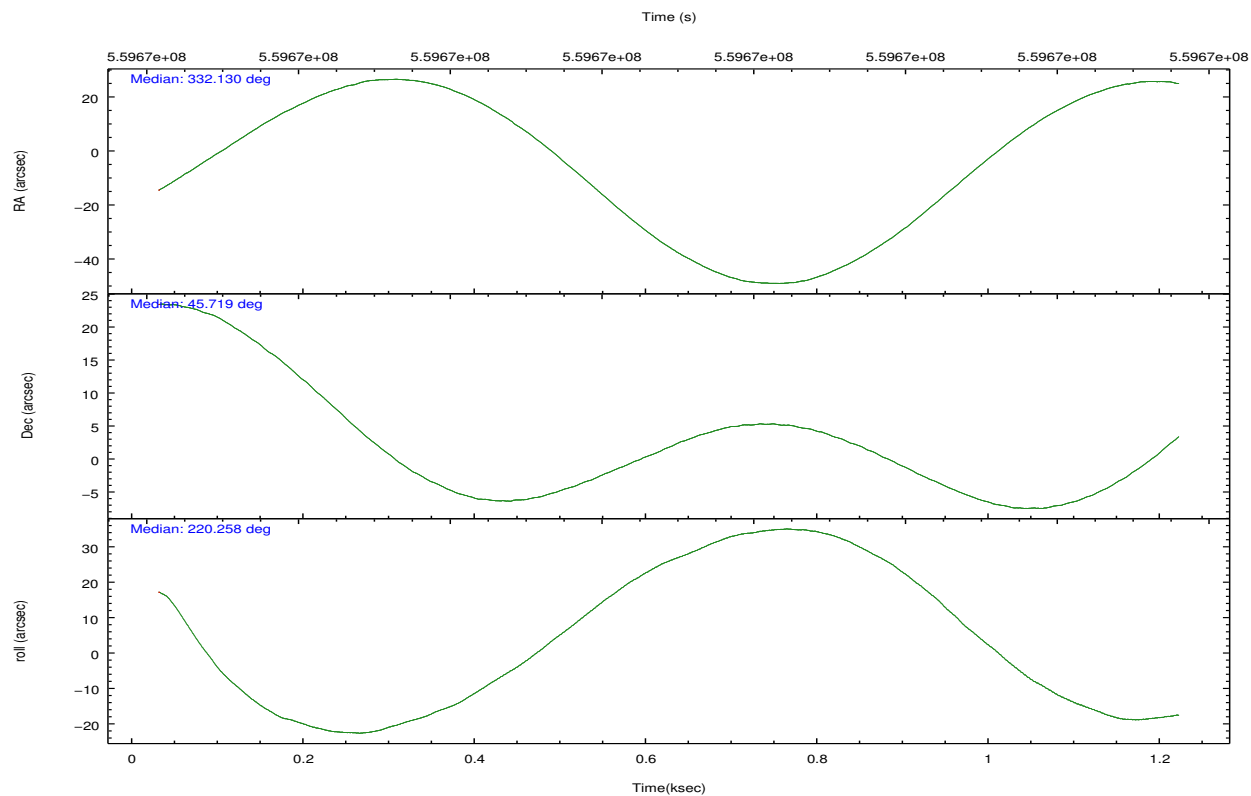
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.140179	332.1288238850106
[deg] Pointing Dec	45.745177	45.71898992205016
[deg] Pointing Roll	220.349284	220.2620567292632
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	559673502.184000	559673126.71869
Observation start date	2015-09-26T16:50:34	2015-09-26T16:45:26
[s] Observation end time (MET)	559674502.184000	559674636.54377
Observation end date	2015-09-26T17:07:14	2015-09-26T17:10:36

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

2.3 Aspect



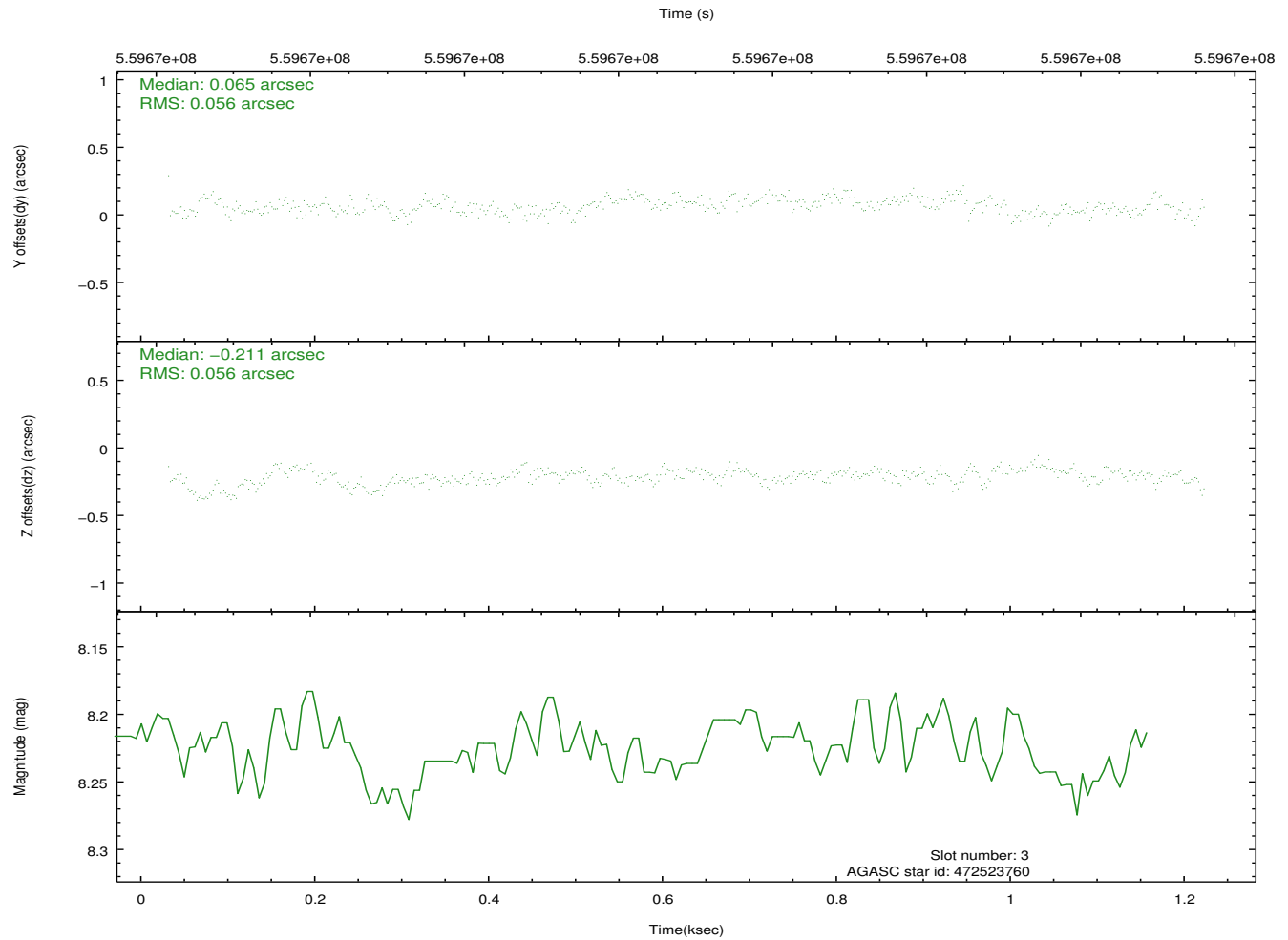
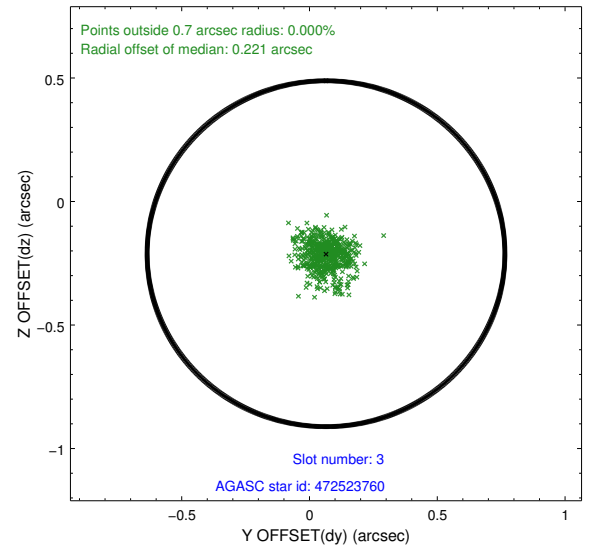
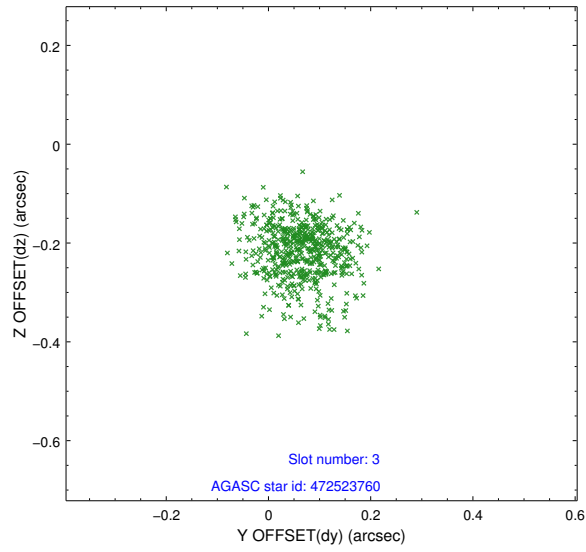


Slot Statistics

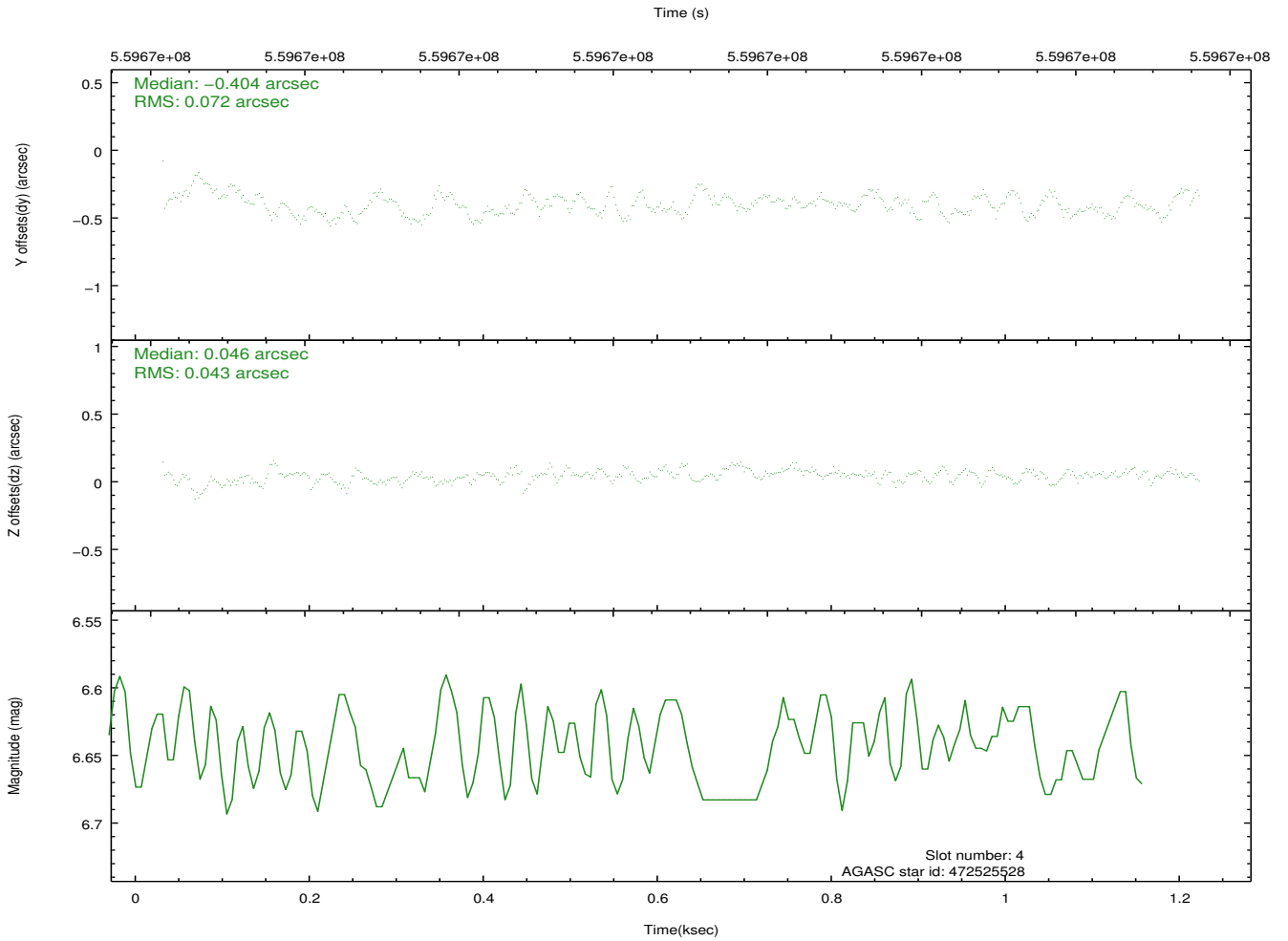
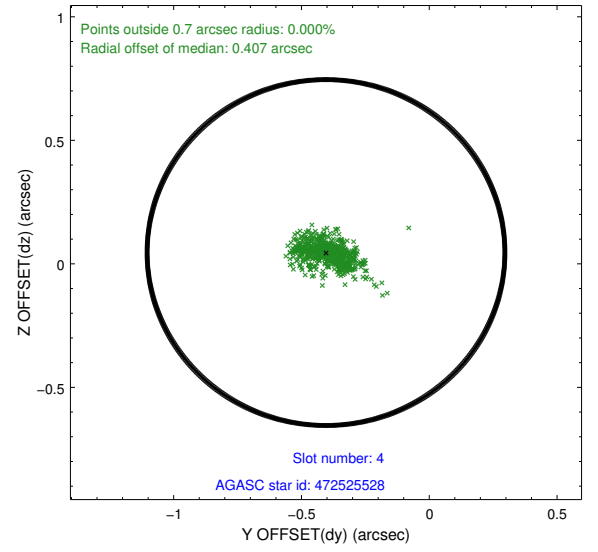
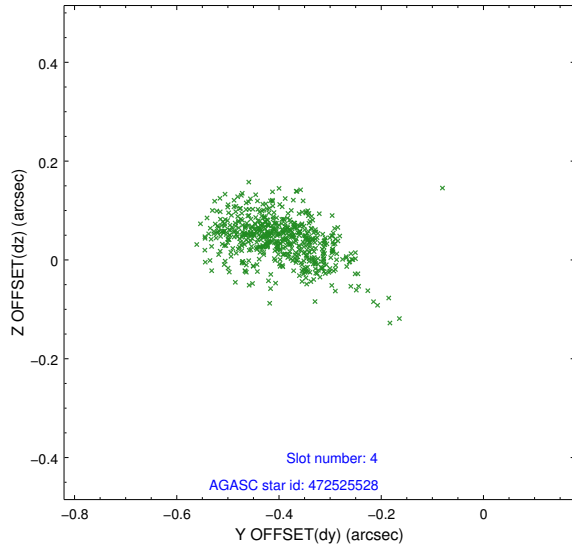
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	291	-0.119	0.002	0.006	0.011	0.000000	0.000000	-766.46	-1301.67
1	FID		HRC-I-2	7.02	291	0.306	-0.159	0.005	0.010	0.000000	0.000000	843.96	-1307.88
2	FID		HRC-I-3	7.09	291	-0.068	0.068	0.006	0.011	0.000000	0.000000	-1191.99	998.47
3	GUIDE	used	472523760	8.22	582	0.065	-0.211	0.083	0.142	331.645363	45.403260	1749.50	123.04
4	GUIDE	used	472525528	6.64	582	-0.404	0.046	0.091	0.142	331.551102	45.248694	2295.74	389.52
5	GUIDE	used	472533912	9.12	581	0.217	0.126	0.161	0.274	331.791136	46.368695	-787.88	-2274.91
6	GUIDE	used	472655152	9.39	581	-0.068	-0.161	0.152	0.264	332.504239	45.862991	-971.32	260.03
7	GUIDE	used	472665256	9.00	580	0.188	0.205	0.091	0.156	332.808125	46.195041	-2321.41	-163.53

2.4 Star Slots

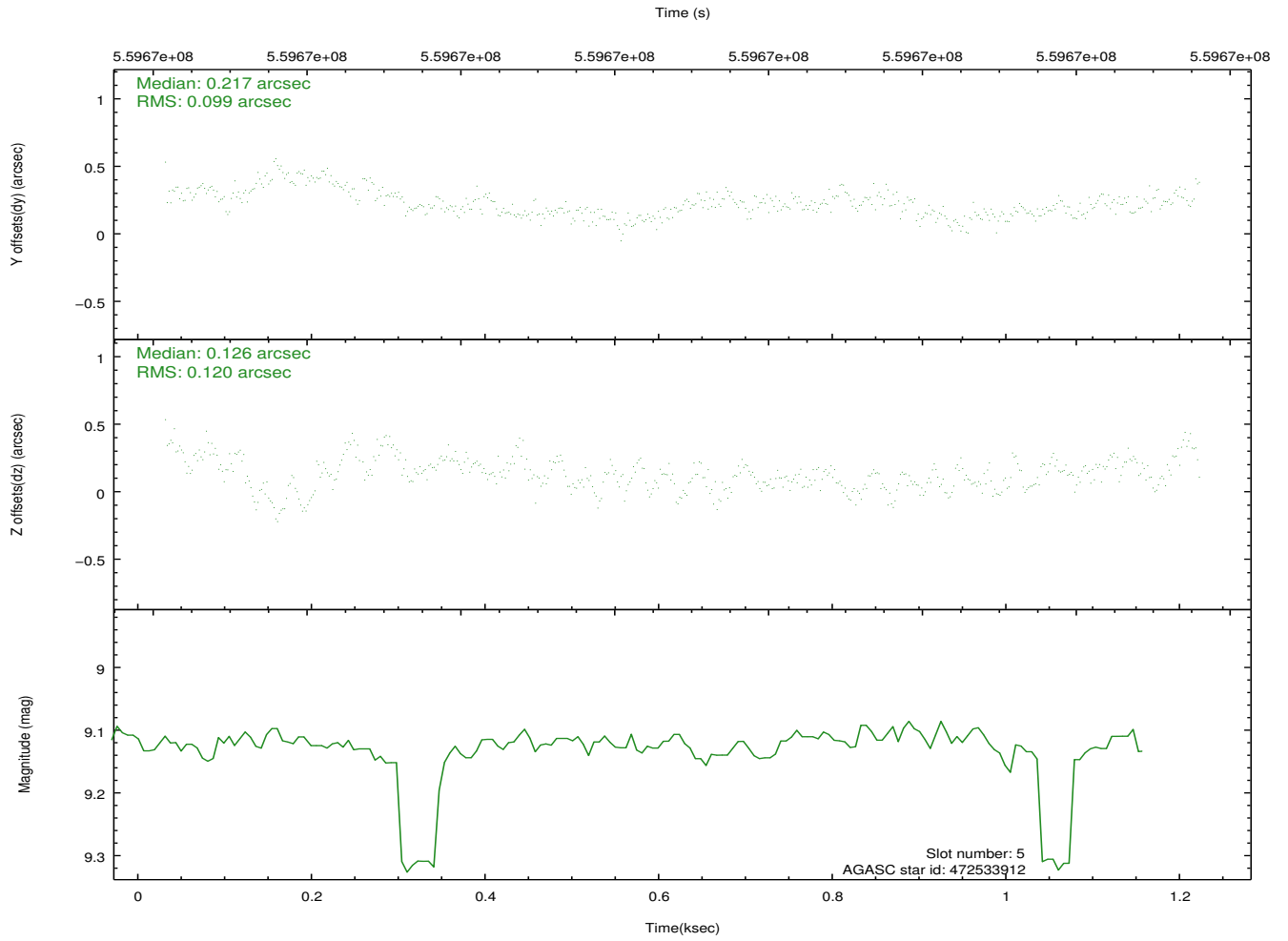
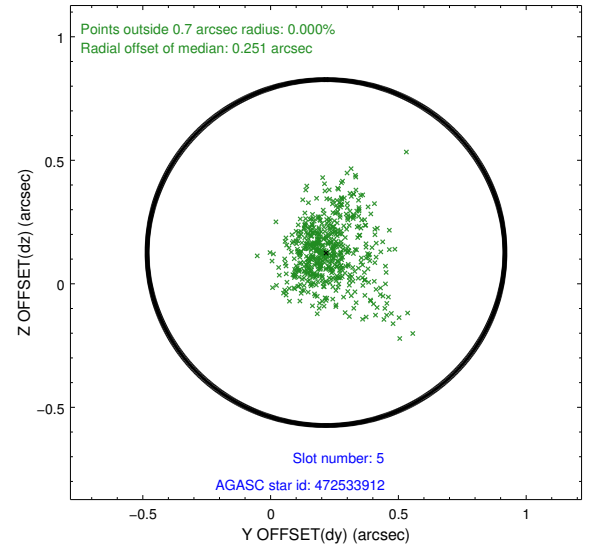
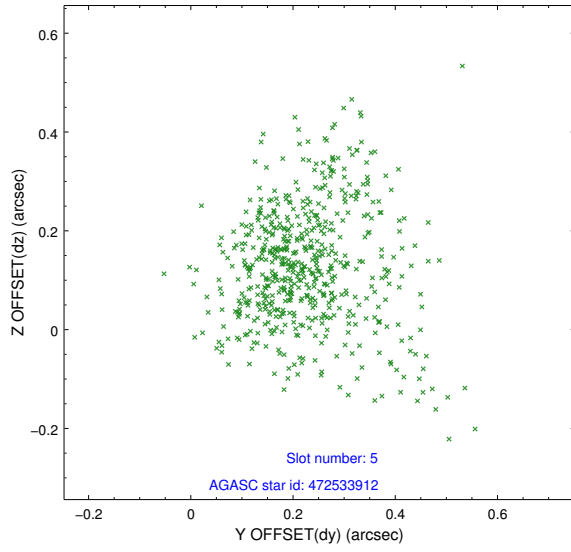
2.4.1 Slot 3



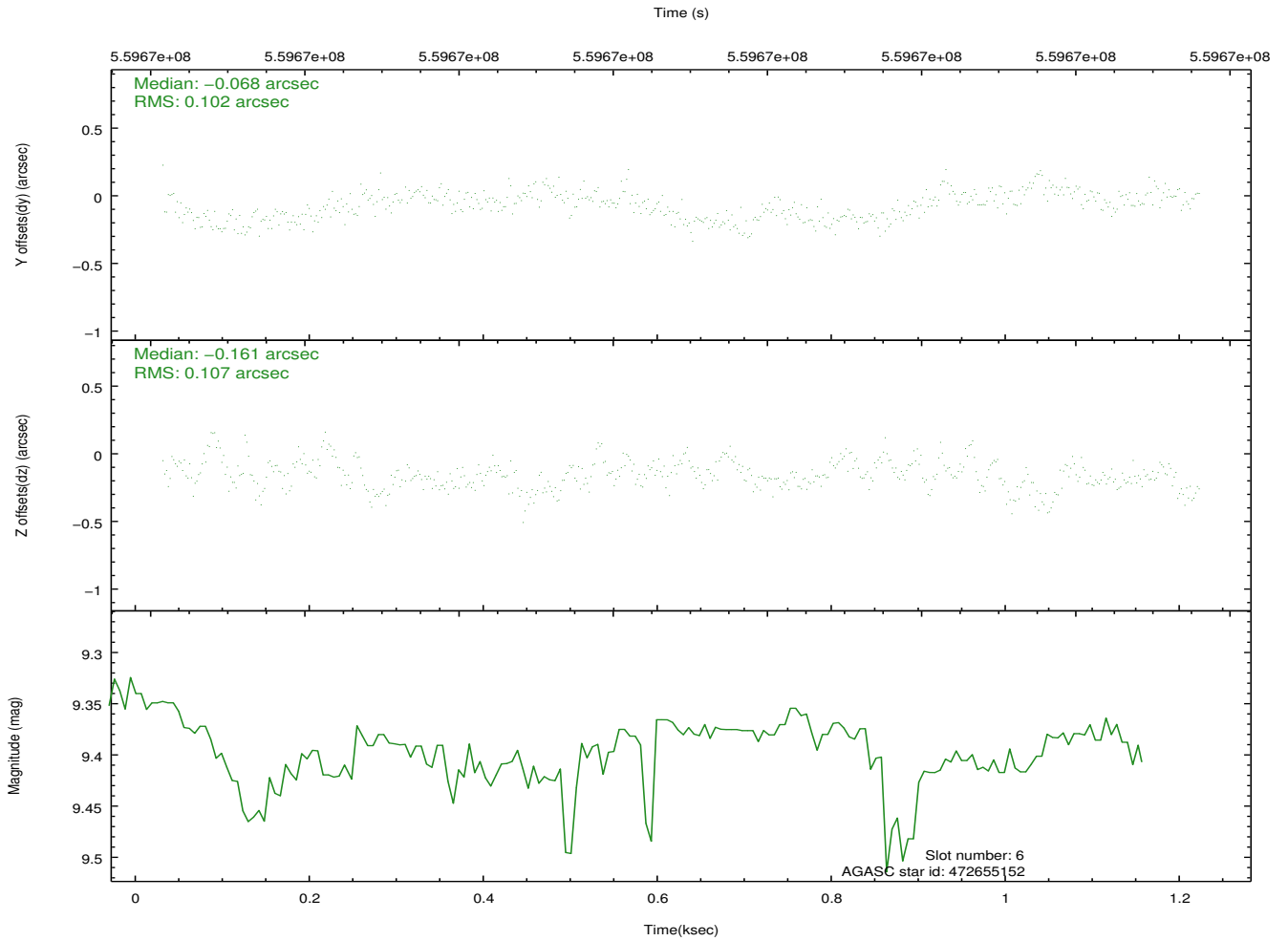
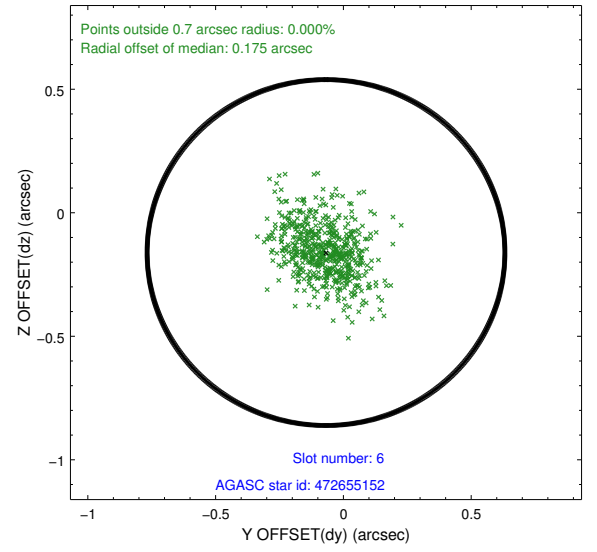
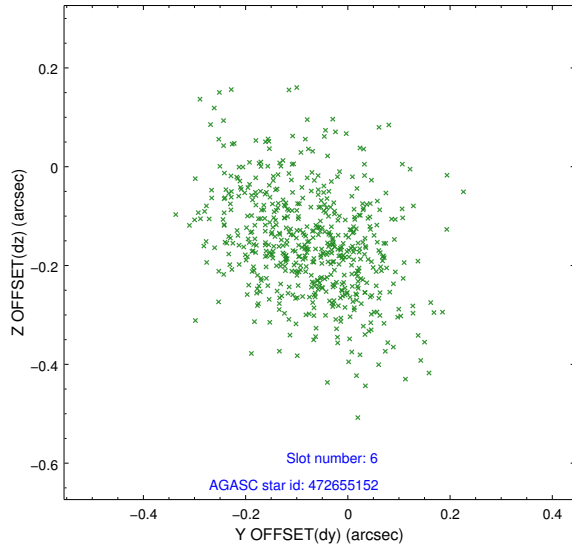
2.4.2 Slot 4



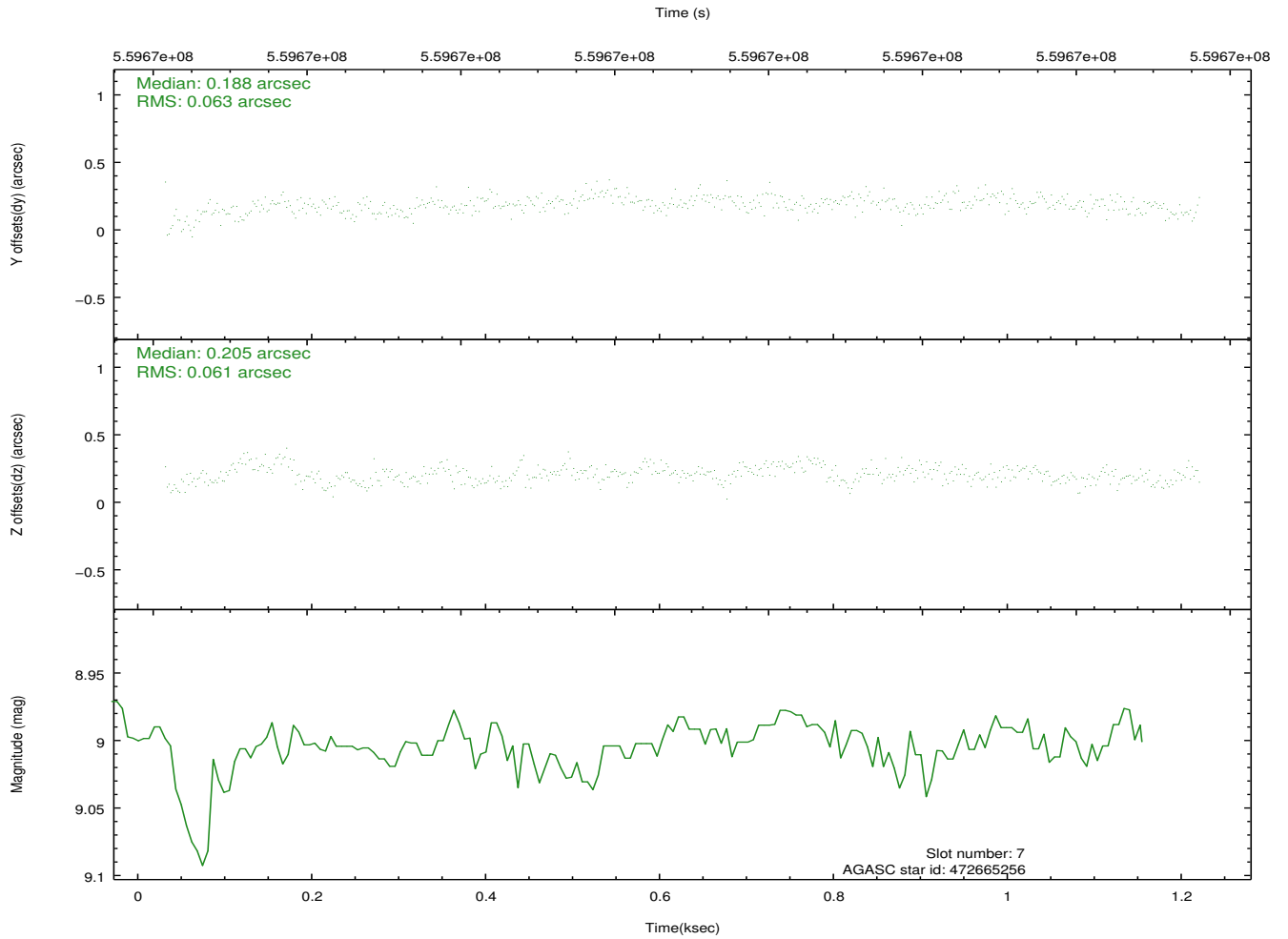
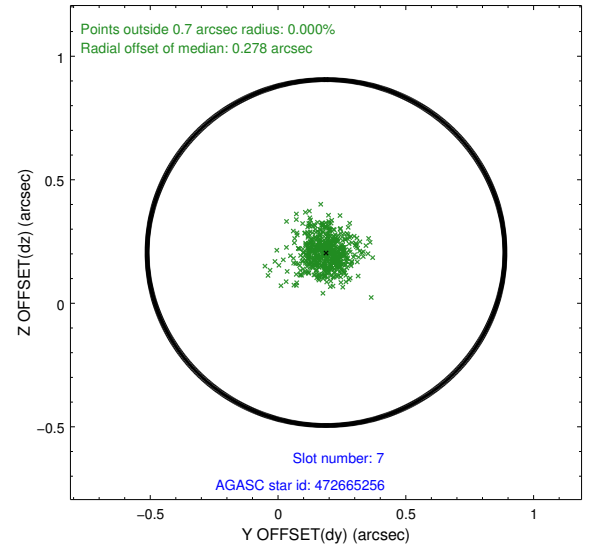
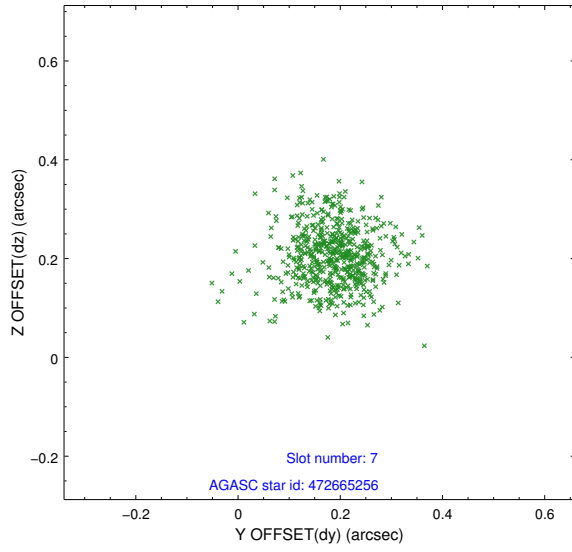
2.4.3 Slot 5



2.4.4 Slot 6

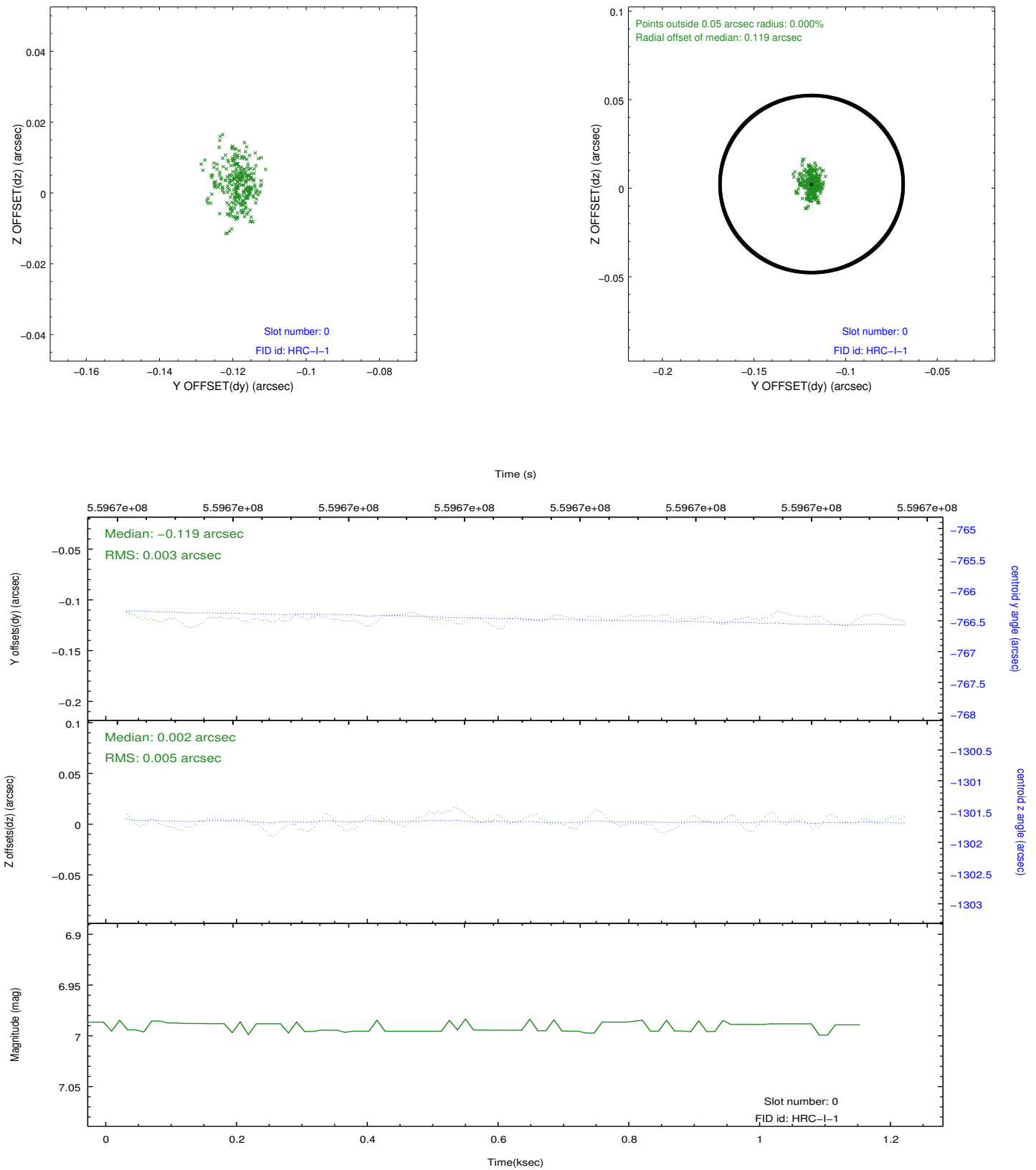


2.4.5 Slot 7

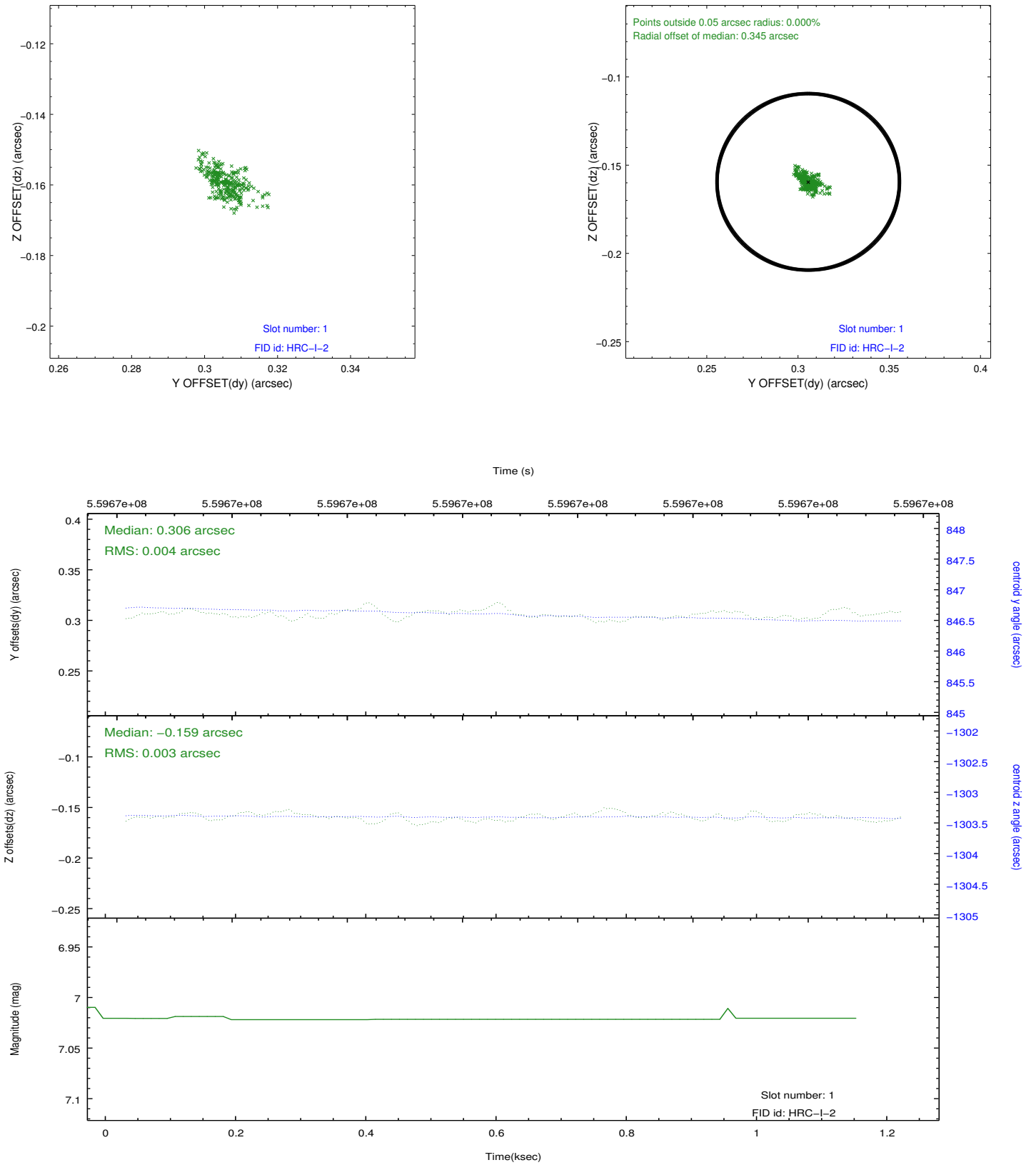


2.5 FID Slots

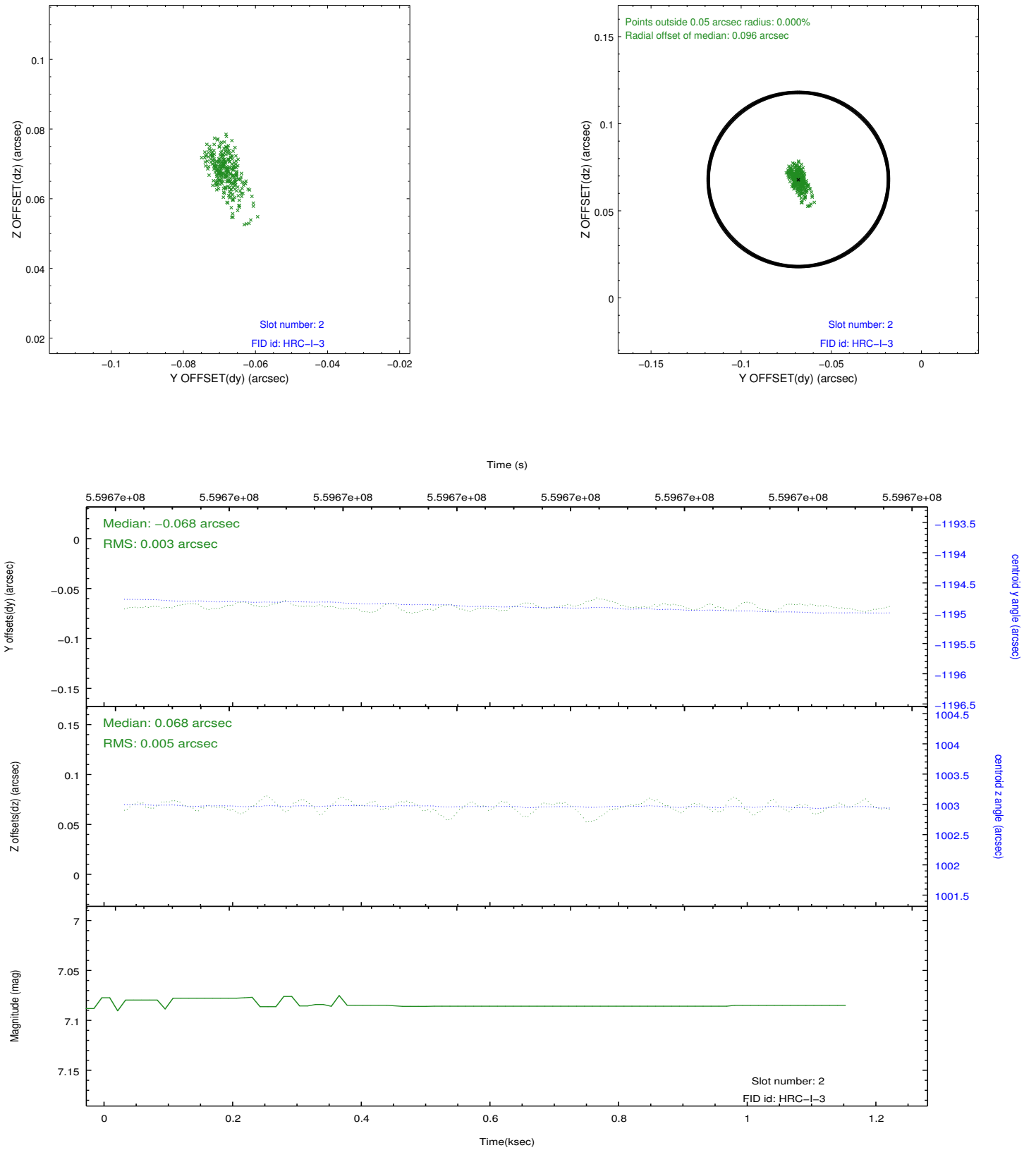
2.5.1 Slot 0



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)	2015.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813173532

A.2 Comments