

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17355 - L2 Version 1
Chandra X-Ray Center

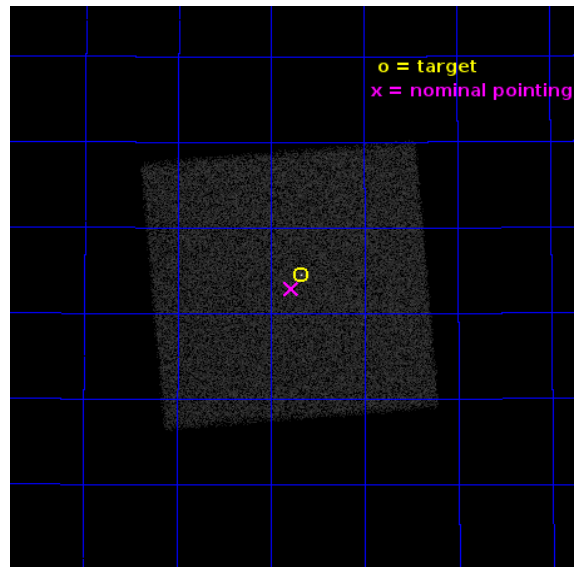
L2 Processing Date : Sep 27 2015

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1 Front

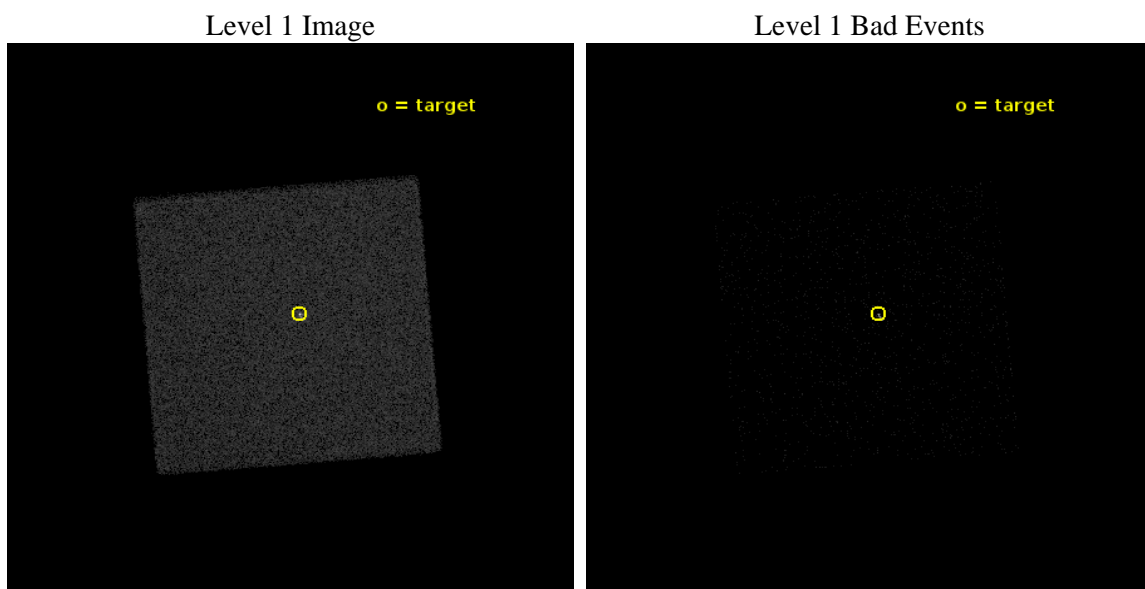
seq_num	291228	Sequence number
obs_id	17355	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19549414433	Nominal RA [deg]
dec_nom	45.71497512201	Nominal Dec [deg]
roll_nom	220.21029690254	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1175.6750664711	[s]
livetime	1165.0783046916	Ontime multiplied by DTCOR
l2events	87628	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	1175.6750664711	[s]
caldbver	4.6.8	 	l1events	148751	Number of level 1 events
date	2015-09-27T03:43:13	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

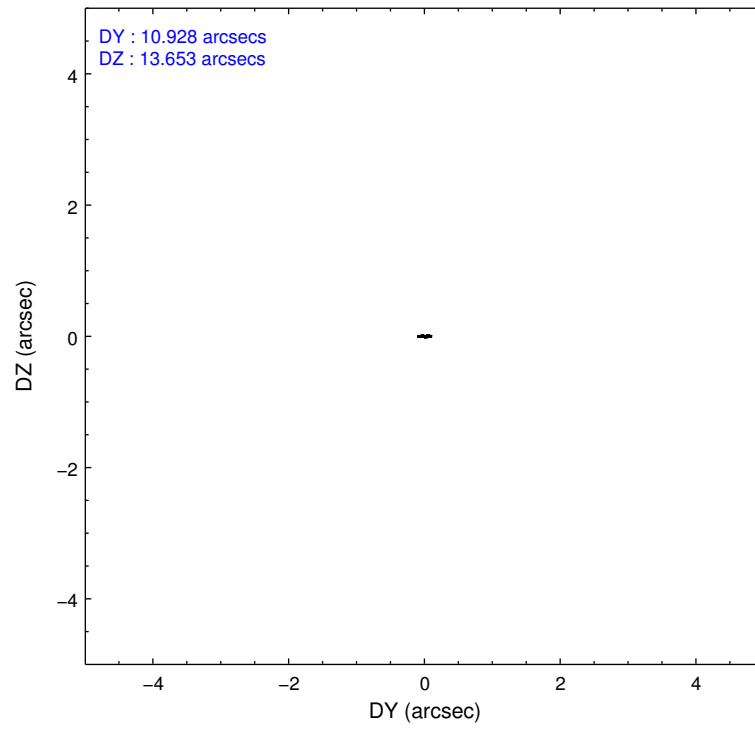
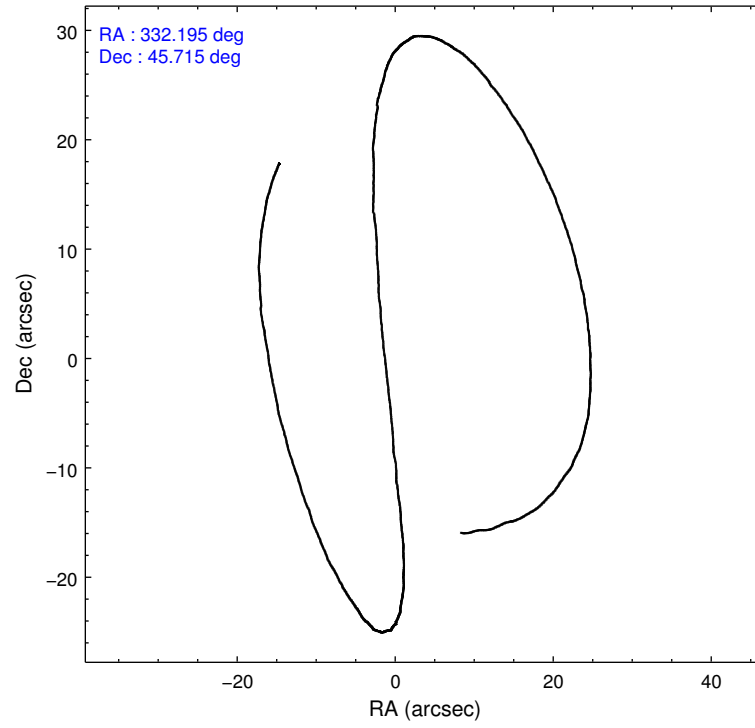
Level 1 Events

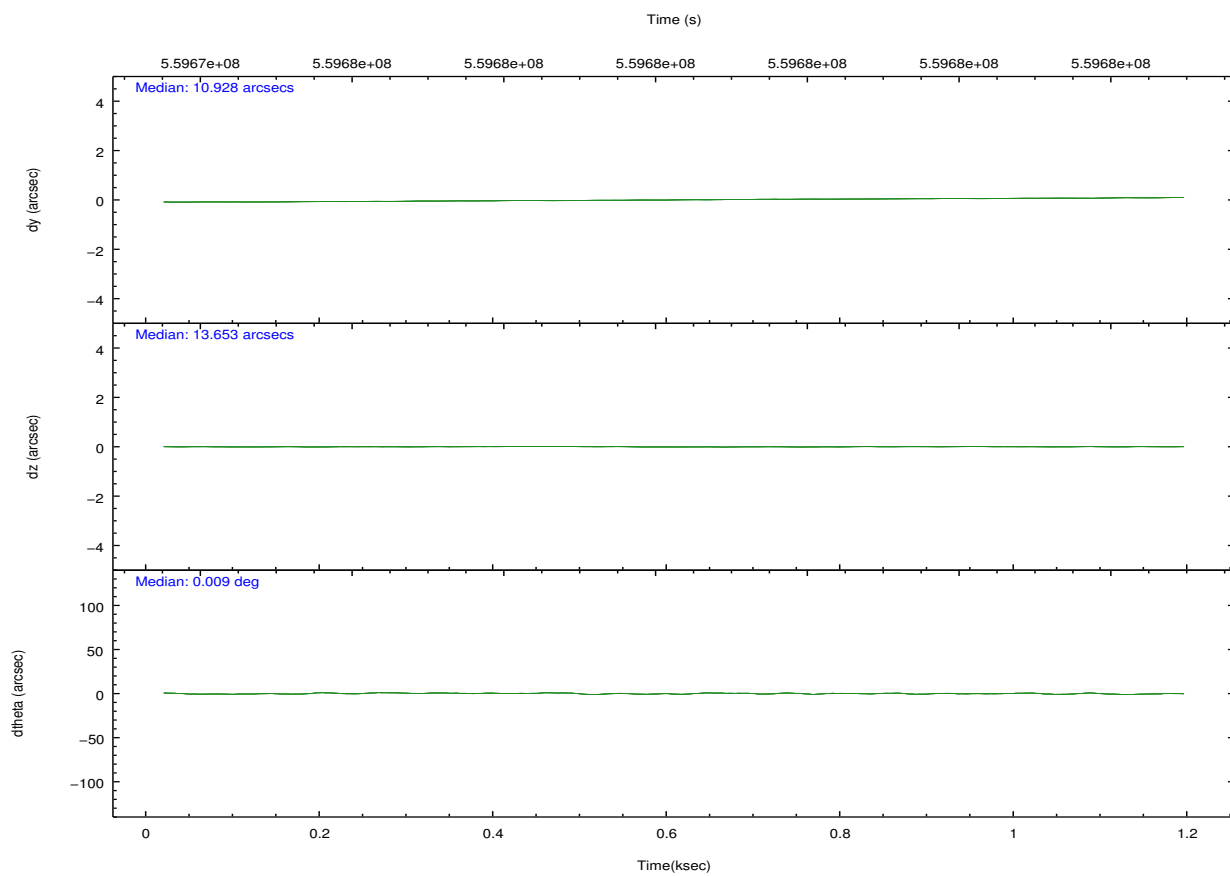
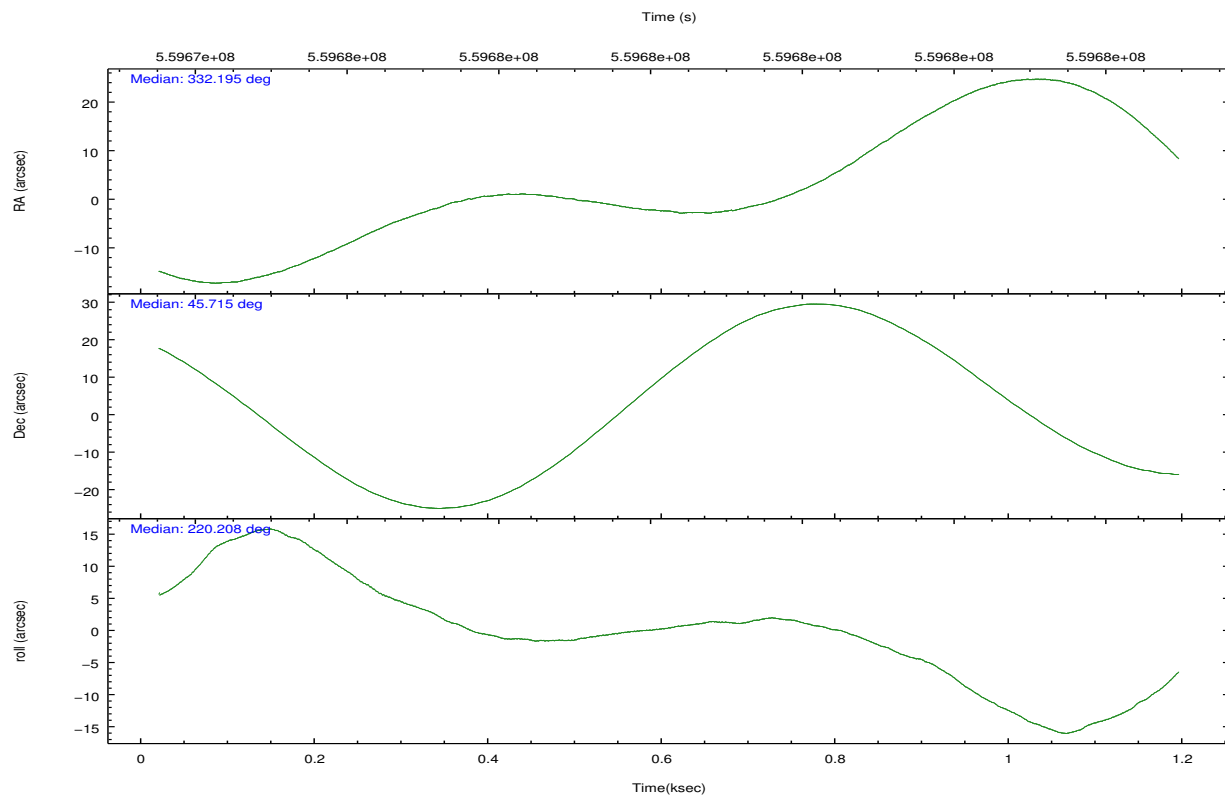
	segment 0
level 1 events	148751
rejected events	33053
rejected %	22%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.207510	332.1954941443324			
[deg] Pointing Dec	45.741339	45.71497512200978			
[deg] Pointing Roll	220.297161	220.2102969025357			
[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)	559675012.184000	559674636.54377			
Observation start date	2015-09-26T17:15:44	2015-09-26T17:10:36			
[s] Observation end time (MET)	559676012.184000	559676146.36886			
Observation end date	2015-09-26T17:32:24	2015-09-26T17:35:46			

2.3 Aspect



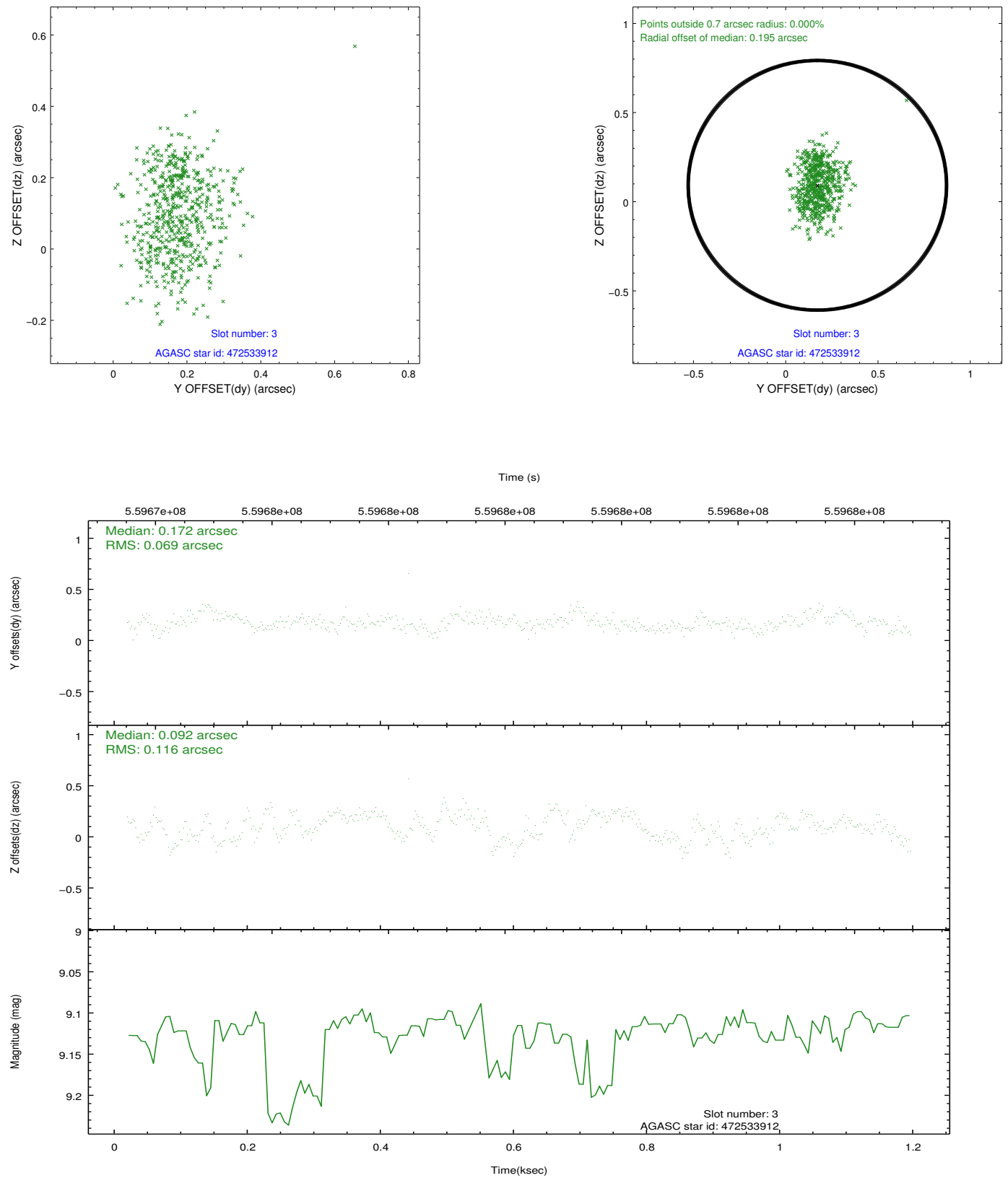


Slot Statistics

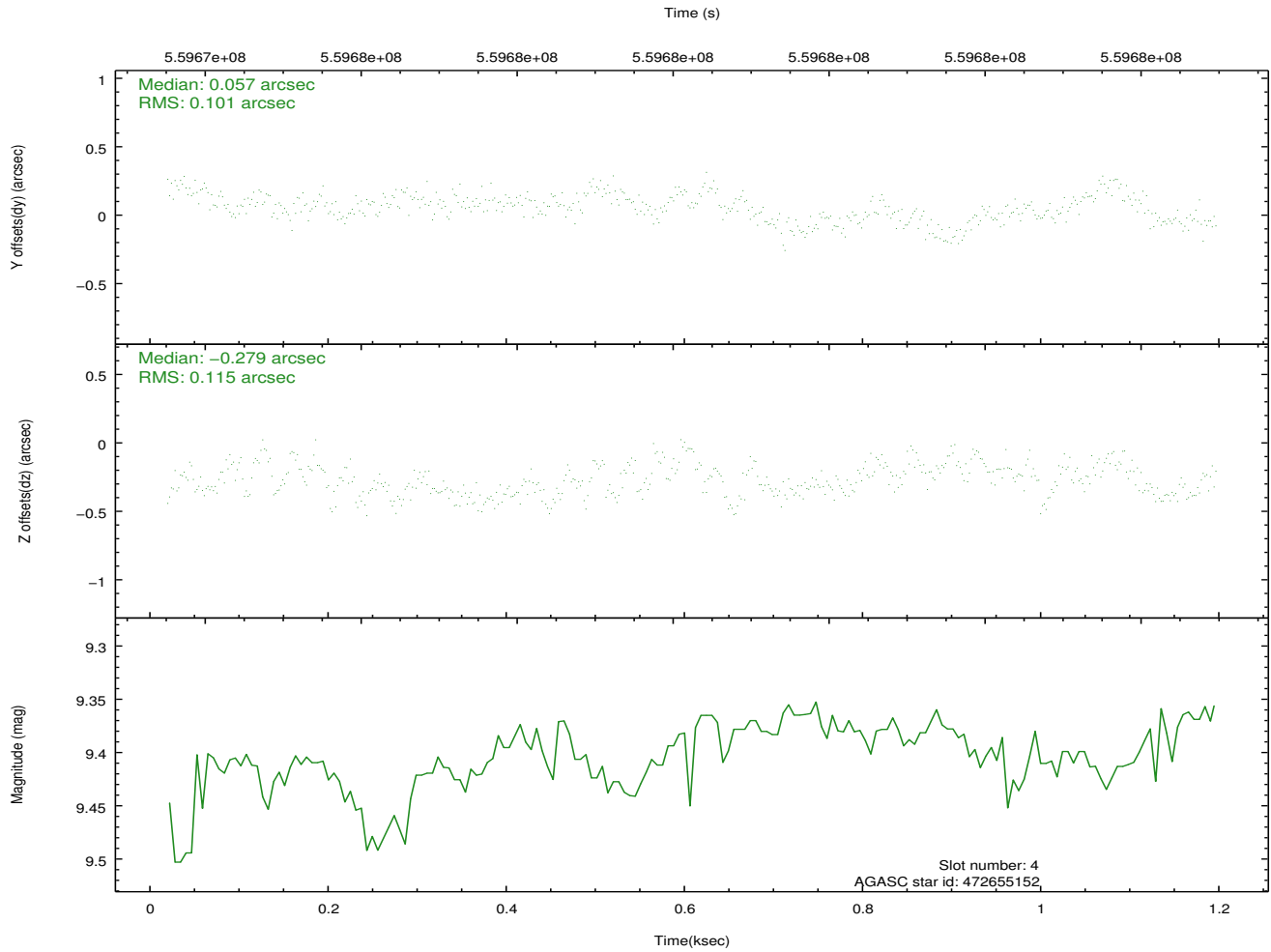
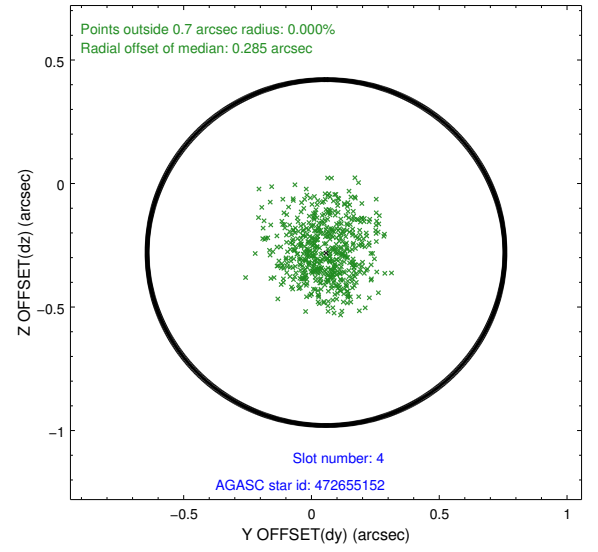
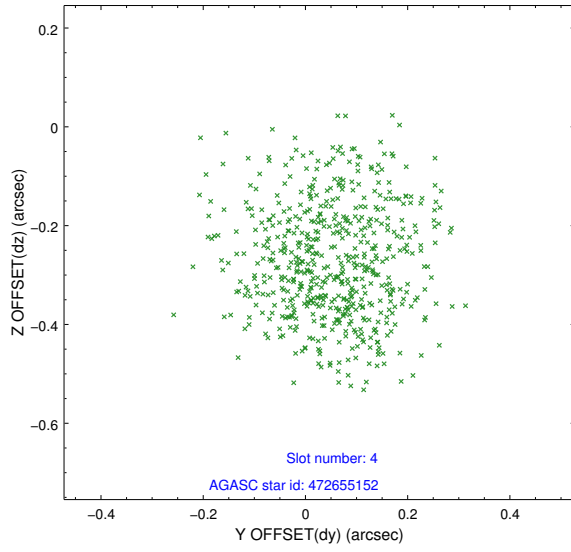
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	287	-0.118	-0.002	0.007	0.012	0.000000	0.000000	-766.74	-1301.69
1	FID		HRC-I-2	7.02	287	0.304	-0.158	0.006	0.010	0.000000	0.000000	843.64	-1307.96
2	FID		HRC-I-3	7.09	288	-0.067	0.071	0.006	0.013	0.000000	0.000000	-1192.24	998.41
3	GUIDE	used	472533912	9.12	575	0.172	0.092	0.146	0.223	331.791136	46.368695	-673.30	-2395.10
4	GUIDE	used	472655152	9.40	575	0.057	-0.279	0.167	0.252	332.504239	45.862991	-852.60	140.14
5	GUIDE	used	472665256	9.00	575	0.142	0.236	0.102	0.156	332.808125	46.195041	-2202.86	-283.28
6	GUIDE	used	472525528	6.65	575	-0.394	-0.080	0.093	0.149	331.551102	45.248694	2407.28	269.42
7	GUIDE	used	472654568	9.39	574	0.022	0.024	0.136	0.219	332.194449	45.063576	1607.57	1838.48

2.4 Star Slots

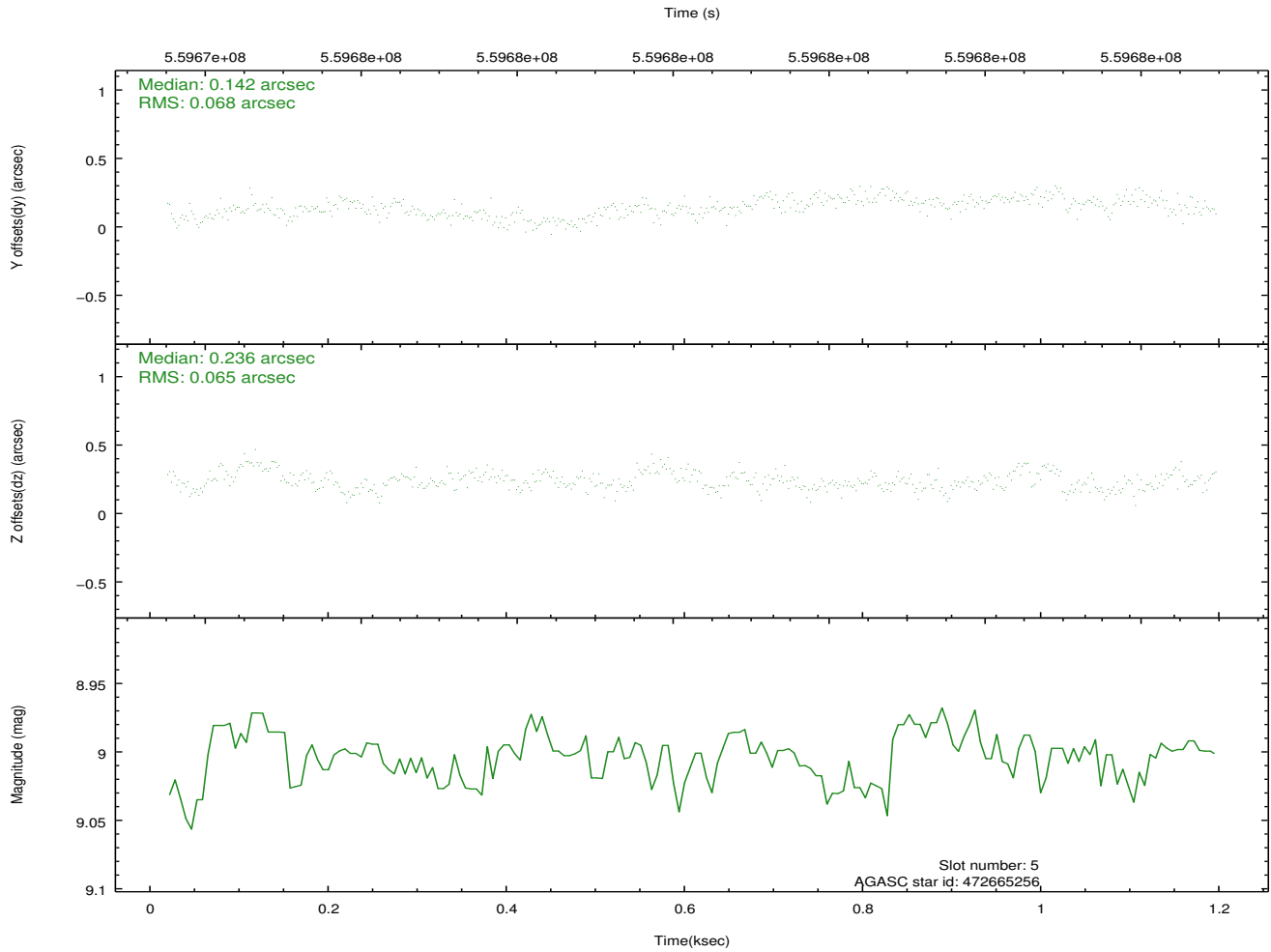
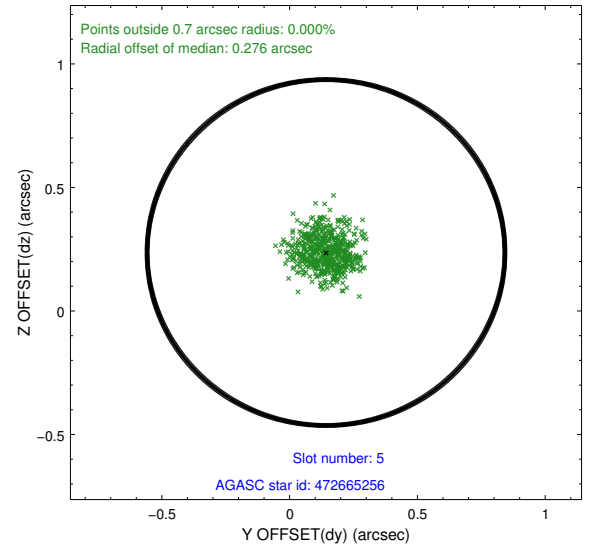
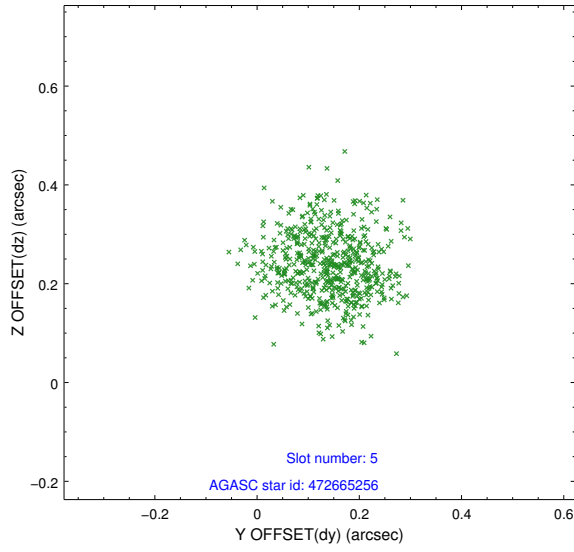
2.4.1 Slot 3



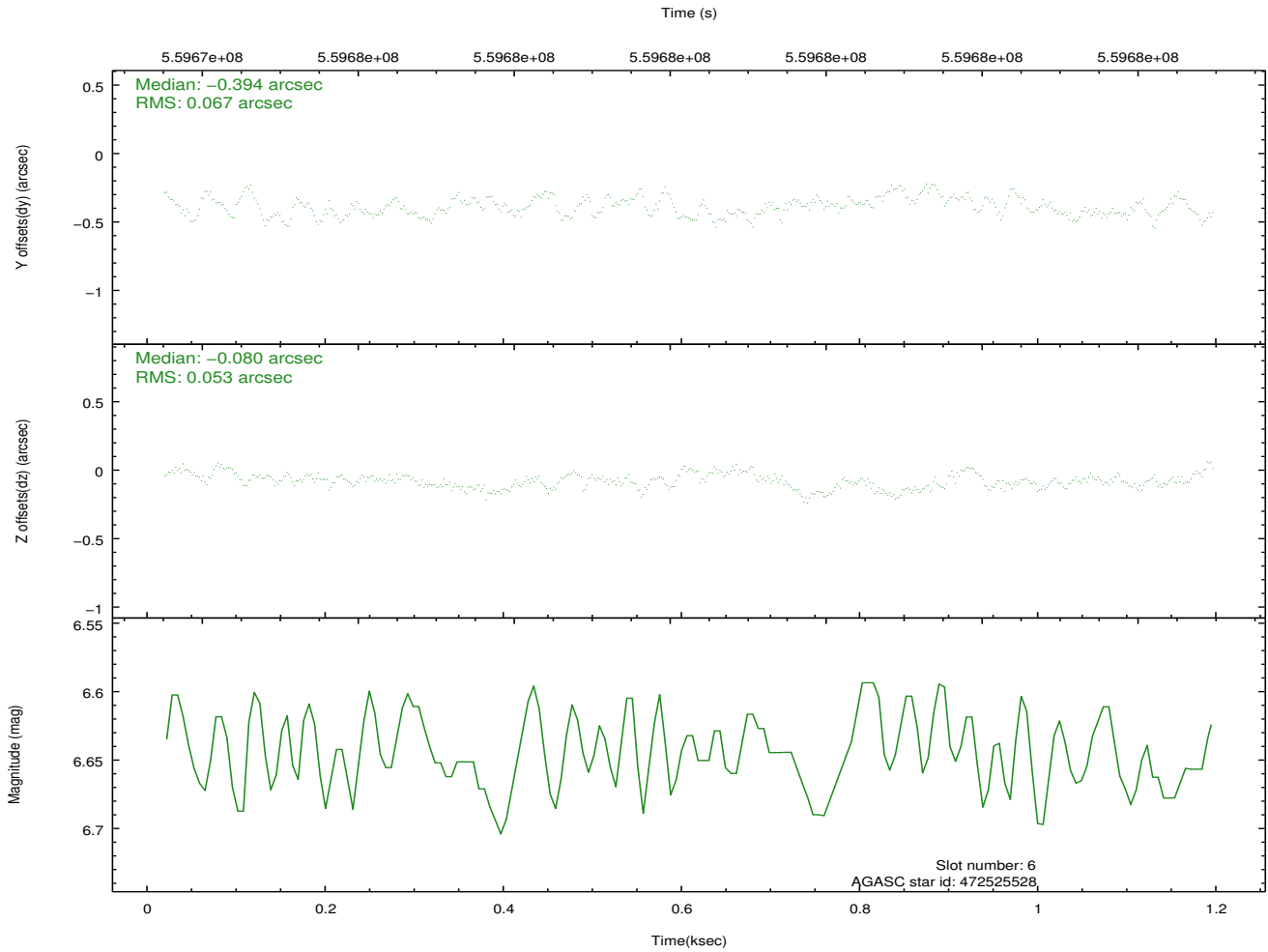
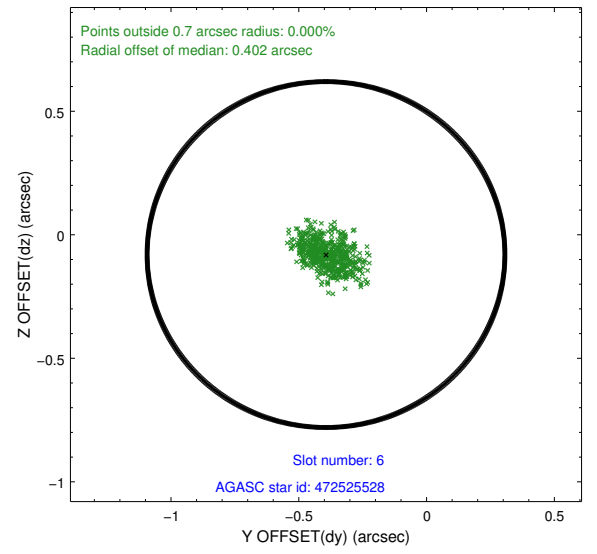
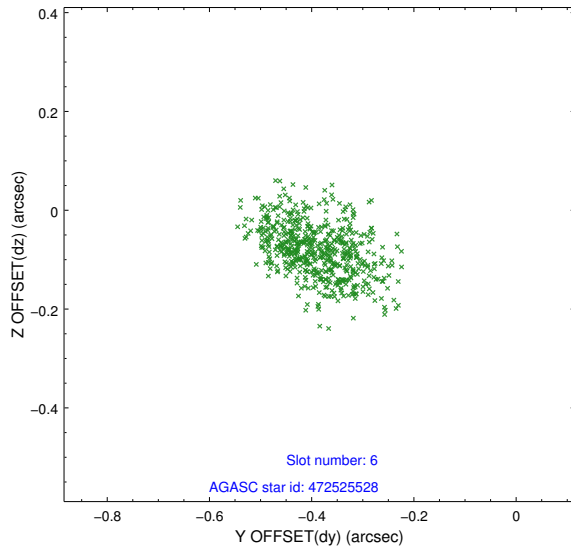
2.4.2 Slot 4



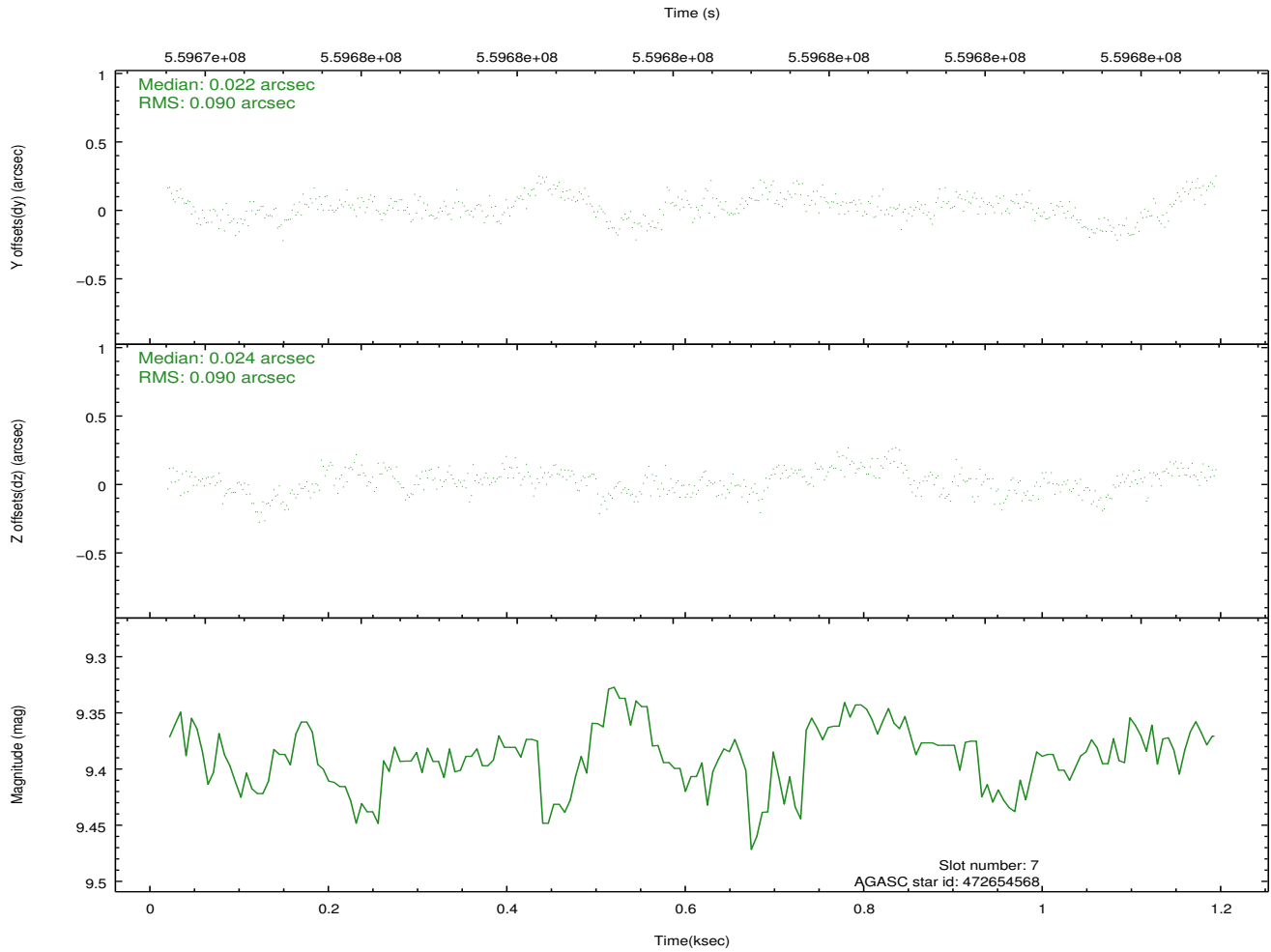
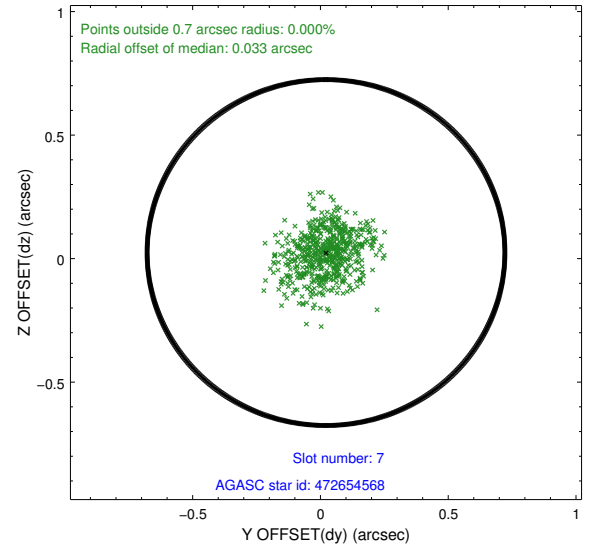
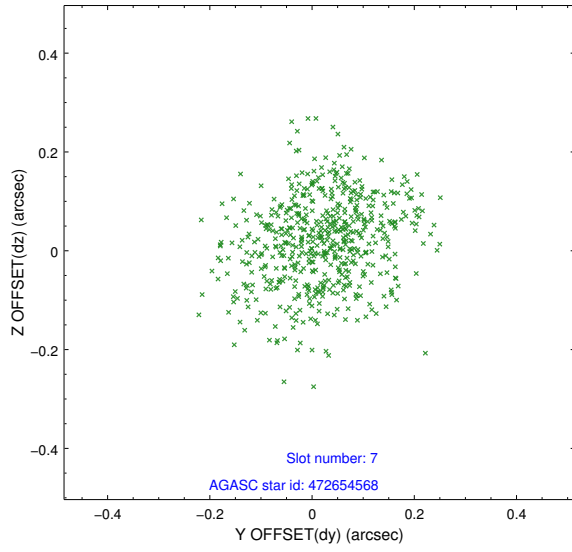
2.4.3 Slot 5



2.4.4 Slot 6

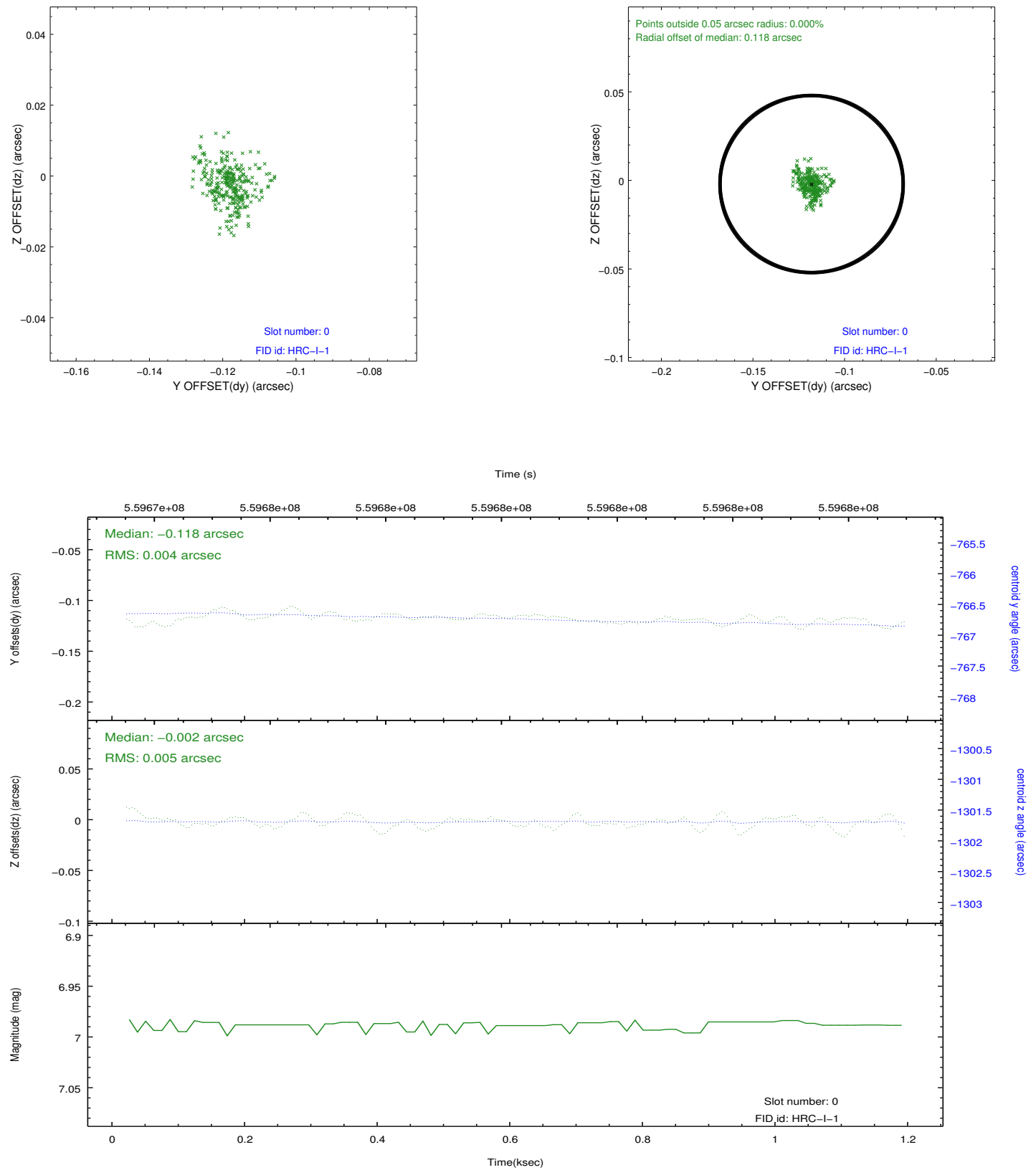


2.4.5 Slot 7

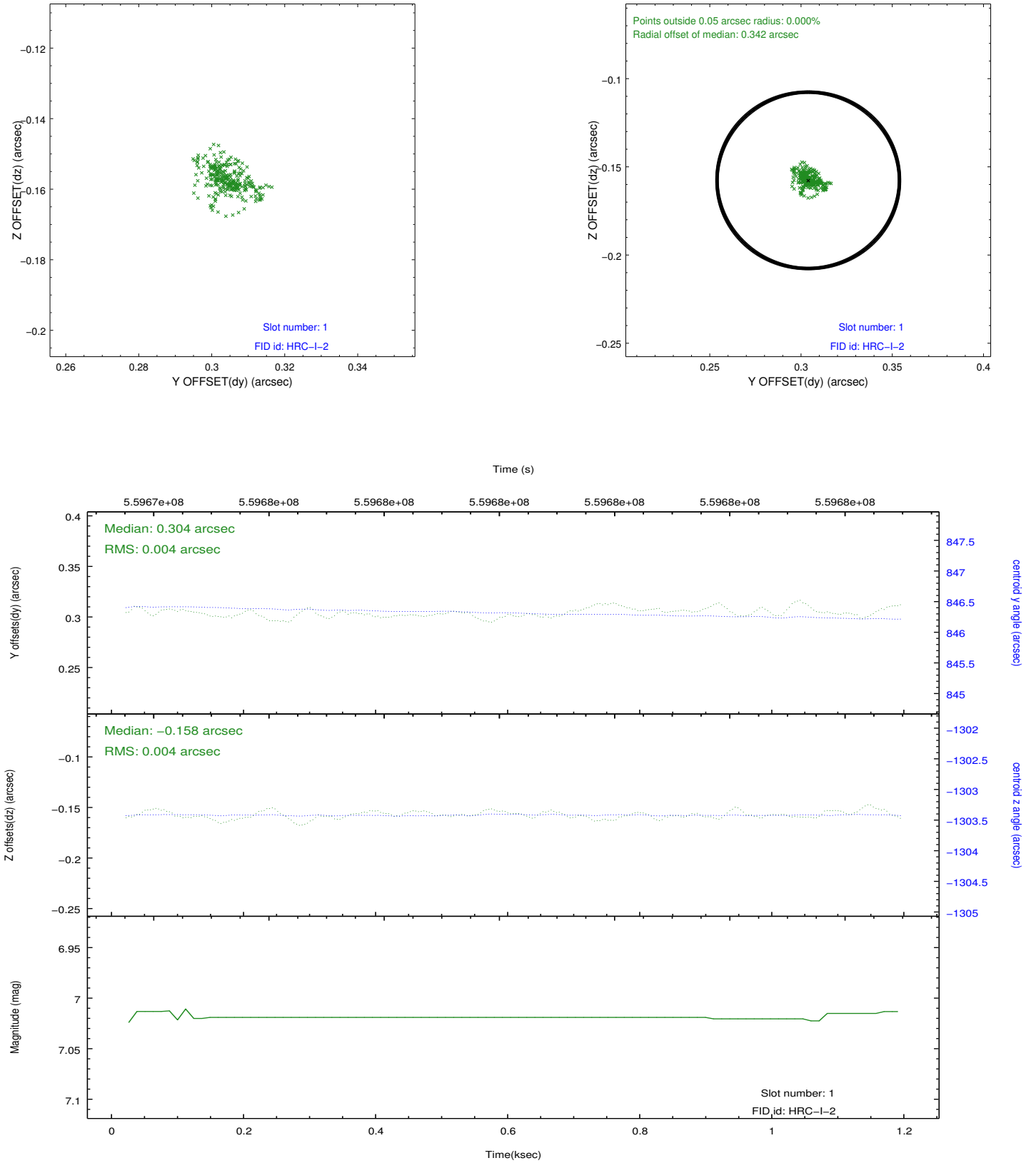


2.5 FID Slots

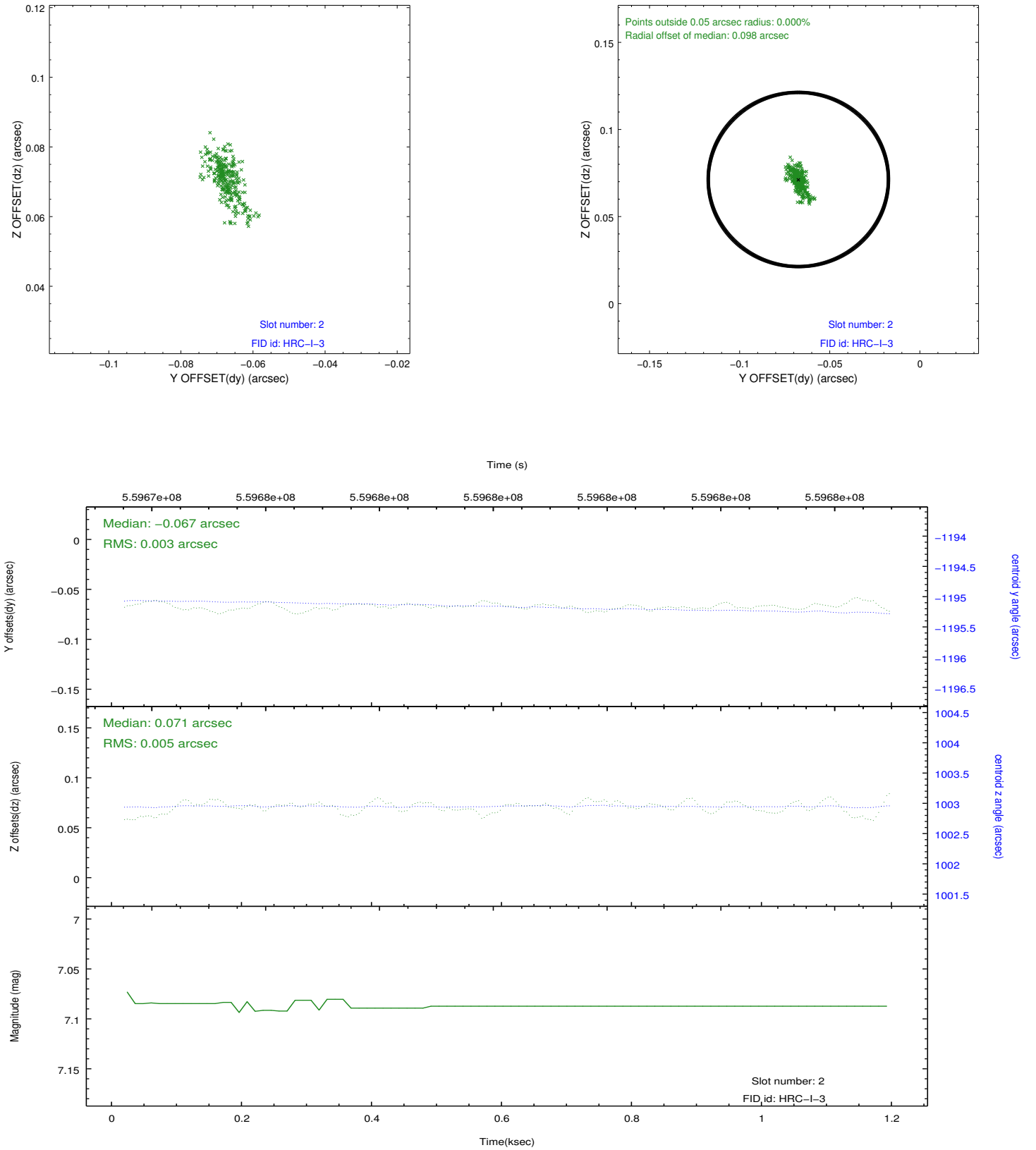
2.5.1 Slot 0



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	1.1756750664711

A.2 Comments