

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18385 - L2 Version 1
Chandra X-Ray Center

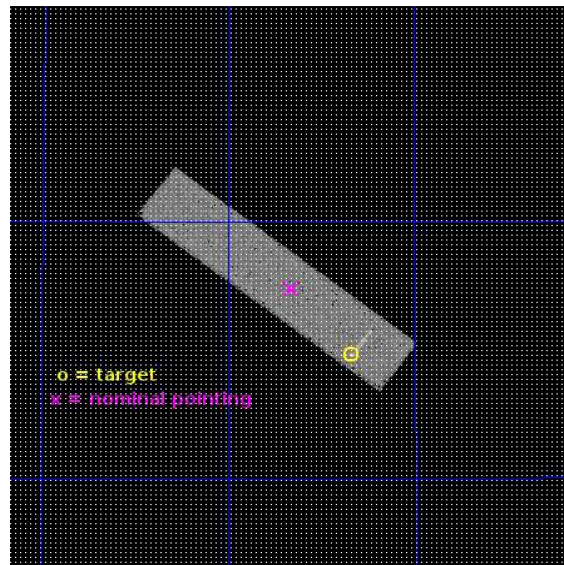
L2 Processing Date : Sep 23 2016

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1 Front

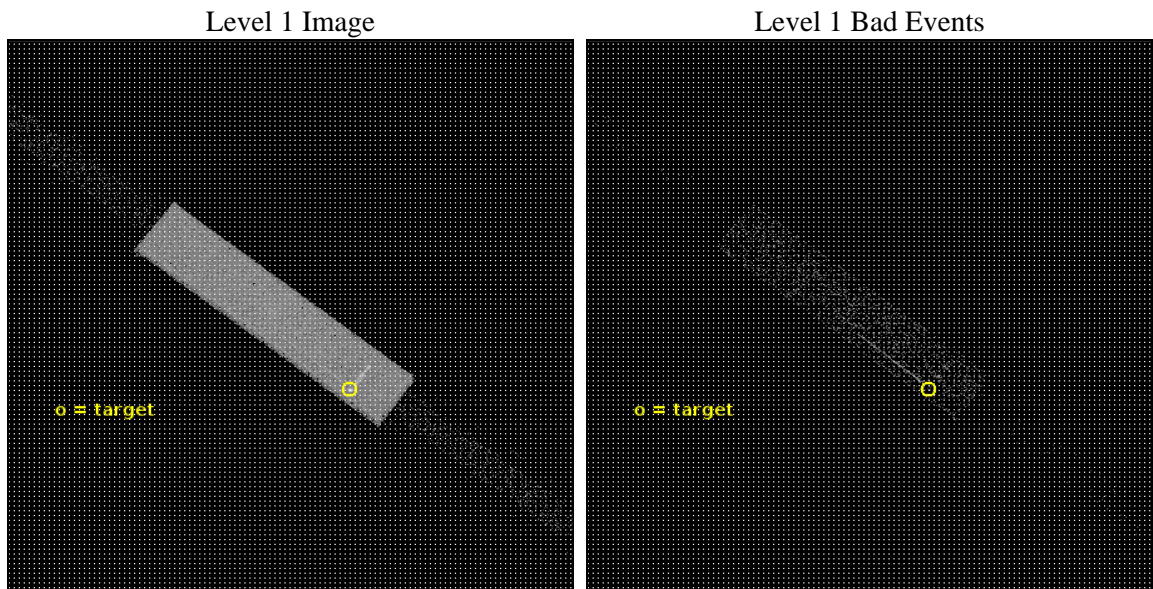
seq_num	291280	Sequence number
obs_id	18385	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.33096050575	Nominal RA [deg]
dec_nom	45.87054352671	Nominal Dec [deg]
roll_nom	216.98322421773	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.08131814	[s]
livetime	1173.629004057	Ontime multiplied by DTCOR
l2events	64129	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	1182.08131814	[s]
caldbver	4.7.2	 	l1events	97436	Number of level 1 events
date	2016-09-23T18:38:01	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

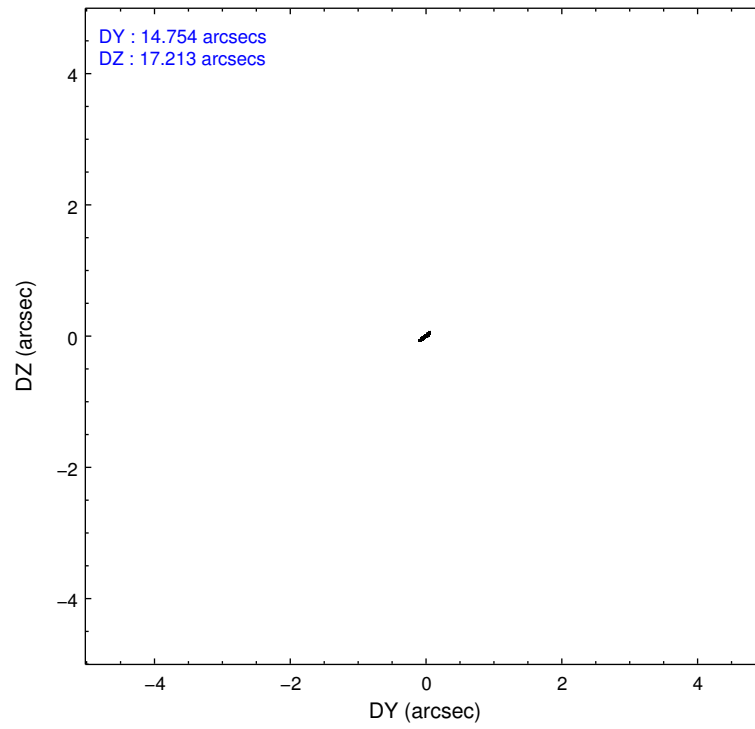
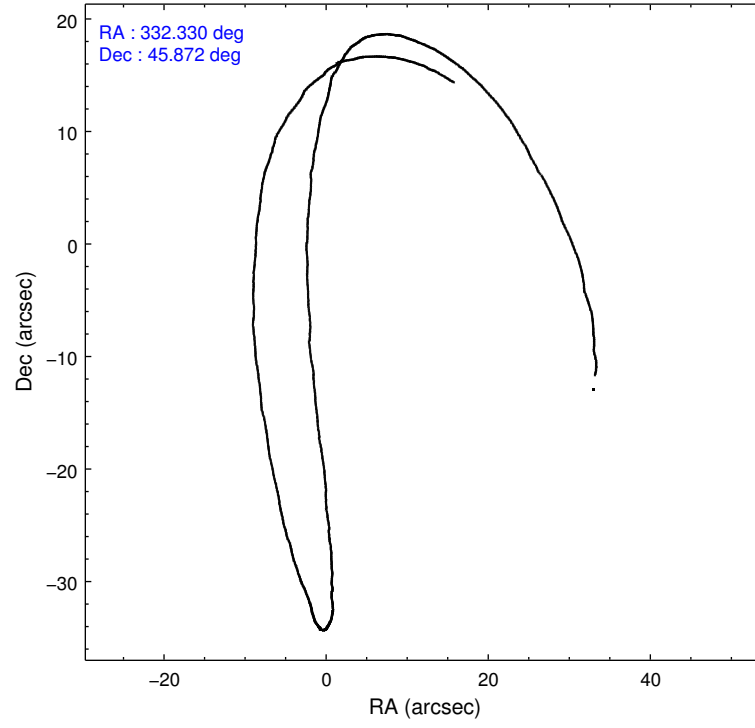
	segment 1	segment 2	segment 3
level 1 events	894	95706	836
rejected events	894	21077	836
rejected %	100%	22%	100%

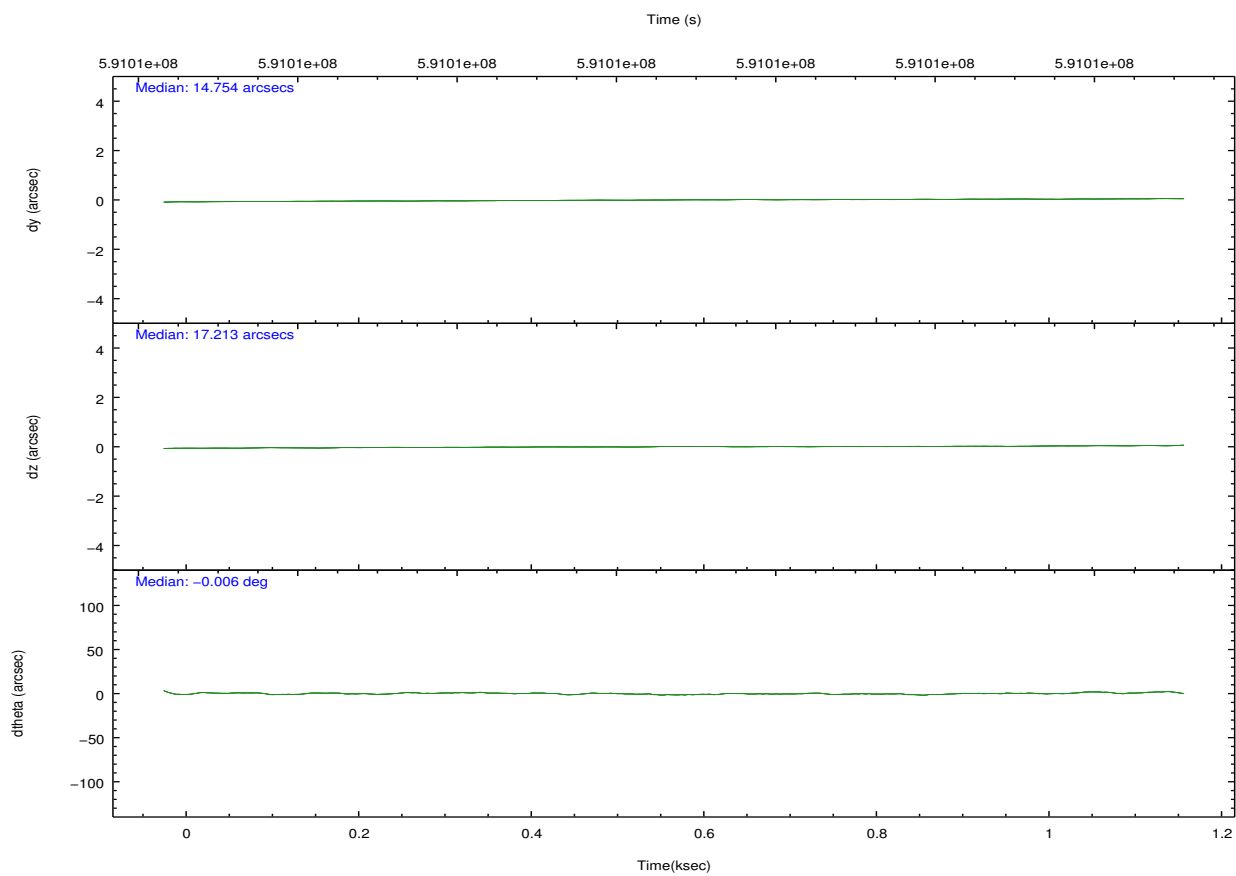
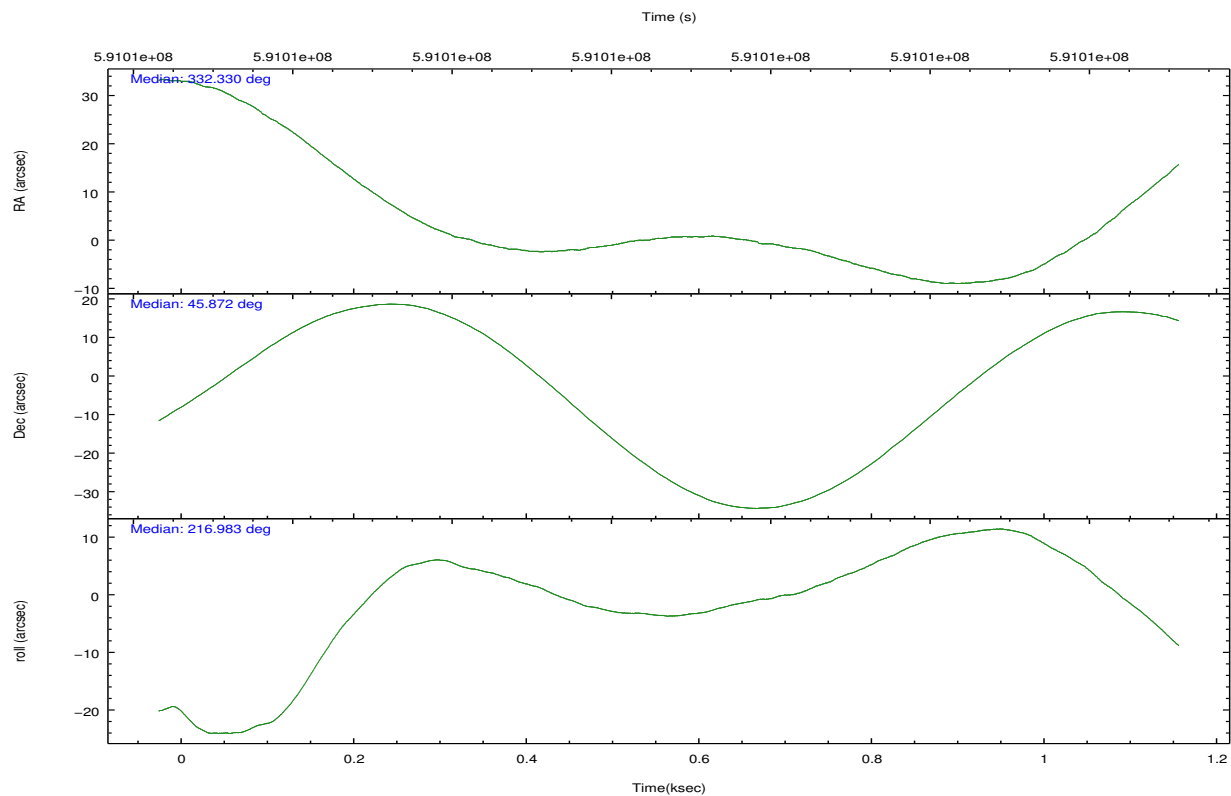
2.2 Compared Parameters

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	332.345577	332.3309605057473
[deg] Pointing Dec	45.896831	45.87054352670997
[deg] Pointing Roll	216.905362	216.9832242177317
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	591013852.184000	591013476.16687
Observation start date	2016-09-23T10:29:44	2016-09-23T10:24:36
[s] Observation end time (MET)	591014852.184000	591014985.99195
Observation end date	2016-09-23T10:46:24	2016-09-23T10:49:45

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

2.3 Aspect



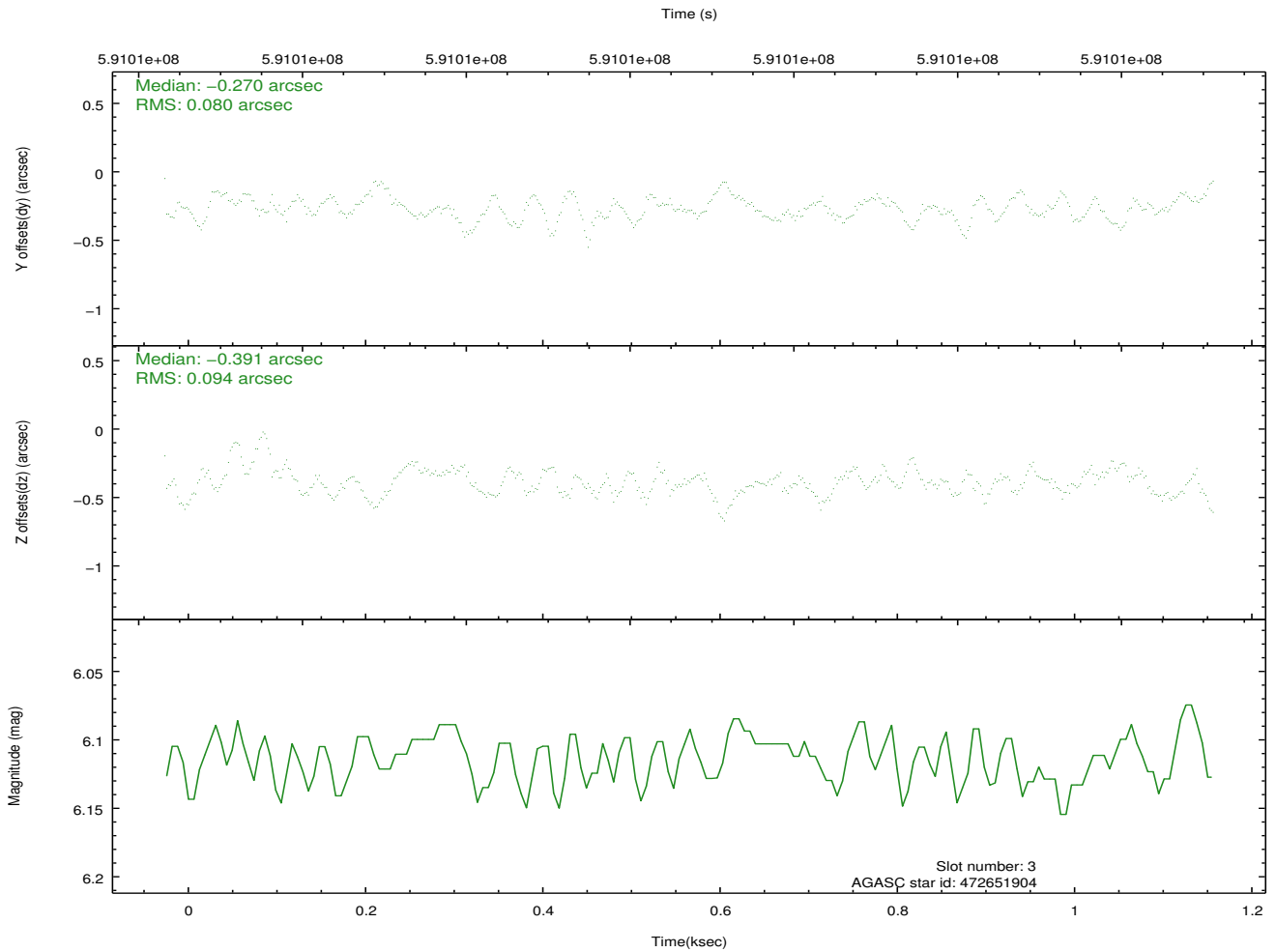
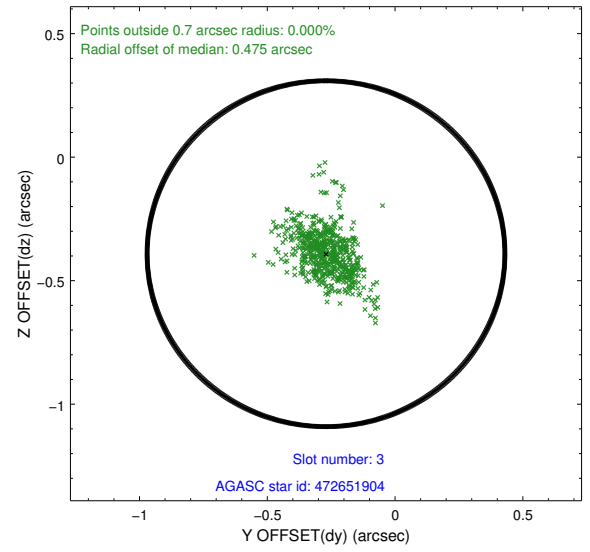
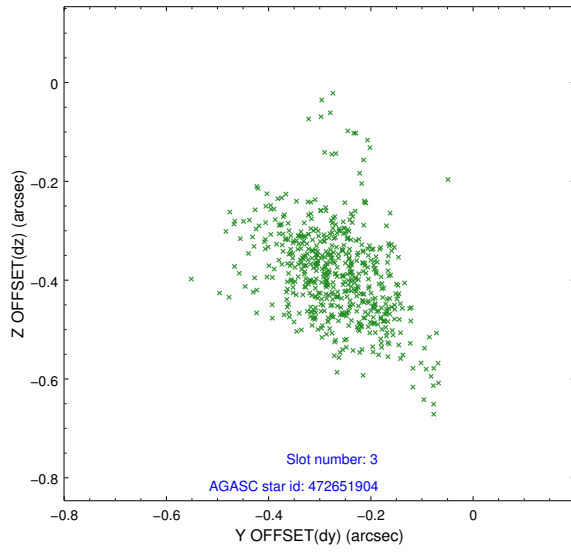


Slot Statistics

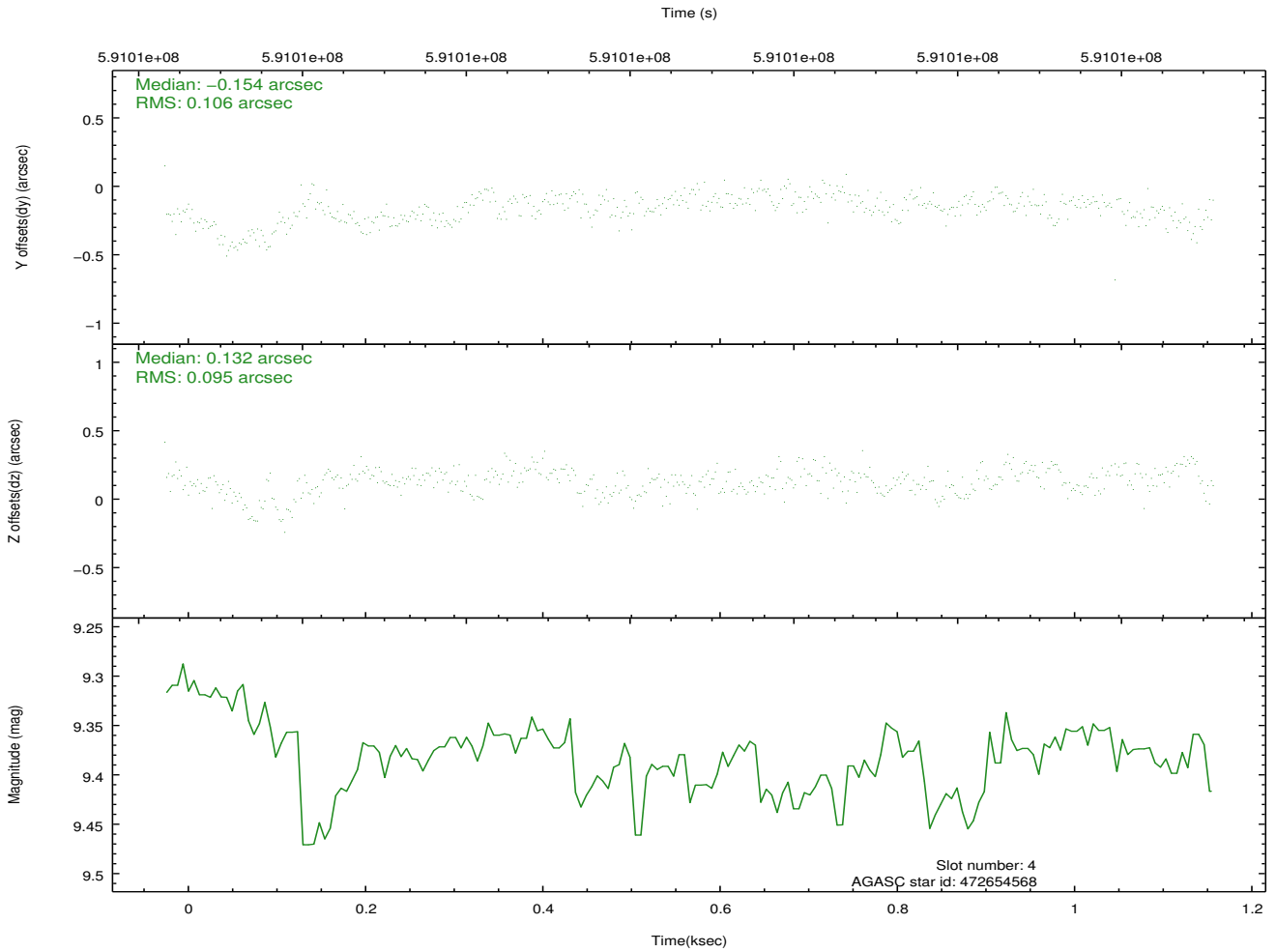
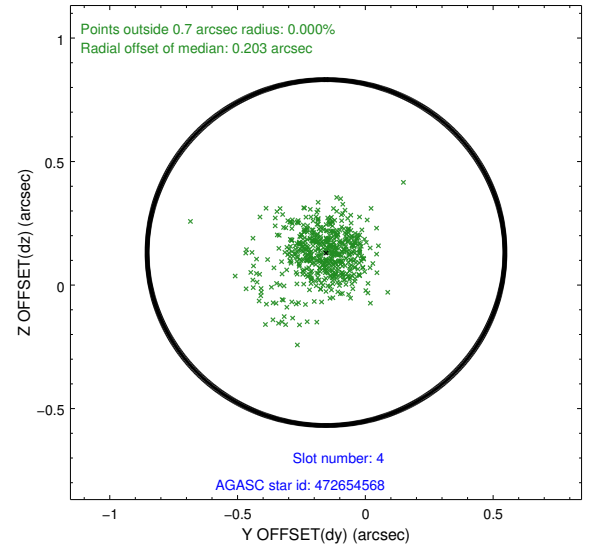
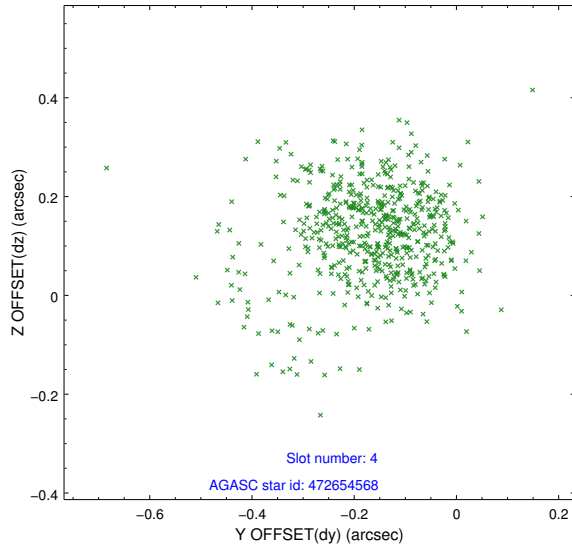
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.09	289	-0.165	-0.184	0.004	0.009	0.000000	0.000000	-1169.34	-466.16
1	FID		HRC-S-2	7.05	289	0.245	-0.153	0.010	0.017	0.000000	0.000000	1226.68	-460.25
2	FID		HRC-S-4	7.03	289	0.323	0.032	0.009	0.017	0.000000	0.000000	1233.57	564.67
3	GUIDE	used	472651904	6.11	578	-0.270	-0.391	0.122	0.241	332.170077	45.742257	687.75	181.17
4	GUIDE	used	472654568	9.38	577	-0.154	0.132	0.135	0.290	332.194449	45.063576	2110.83	2171.03
5	GUIDE	used	472655152	9.40	578	0.053	-0.171	0.165	0.278	332.504239	45.862991	-240.05	342.65
6	GUIDE	used	472663080	9.38	578	0.255	0.212	0.137	0.228	332.652741	46.473840	-1856.00	-1201.21
7	GUIDE	used	472665256	8.99	576	0.104	0.246	0.157	0.430	332.808125	46.195041	-1570.12	-167.90

2.4 Star Slots

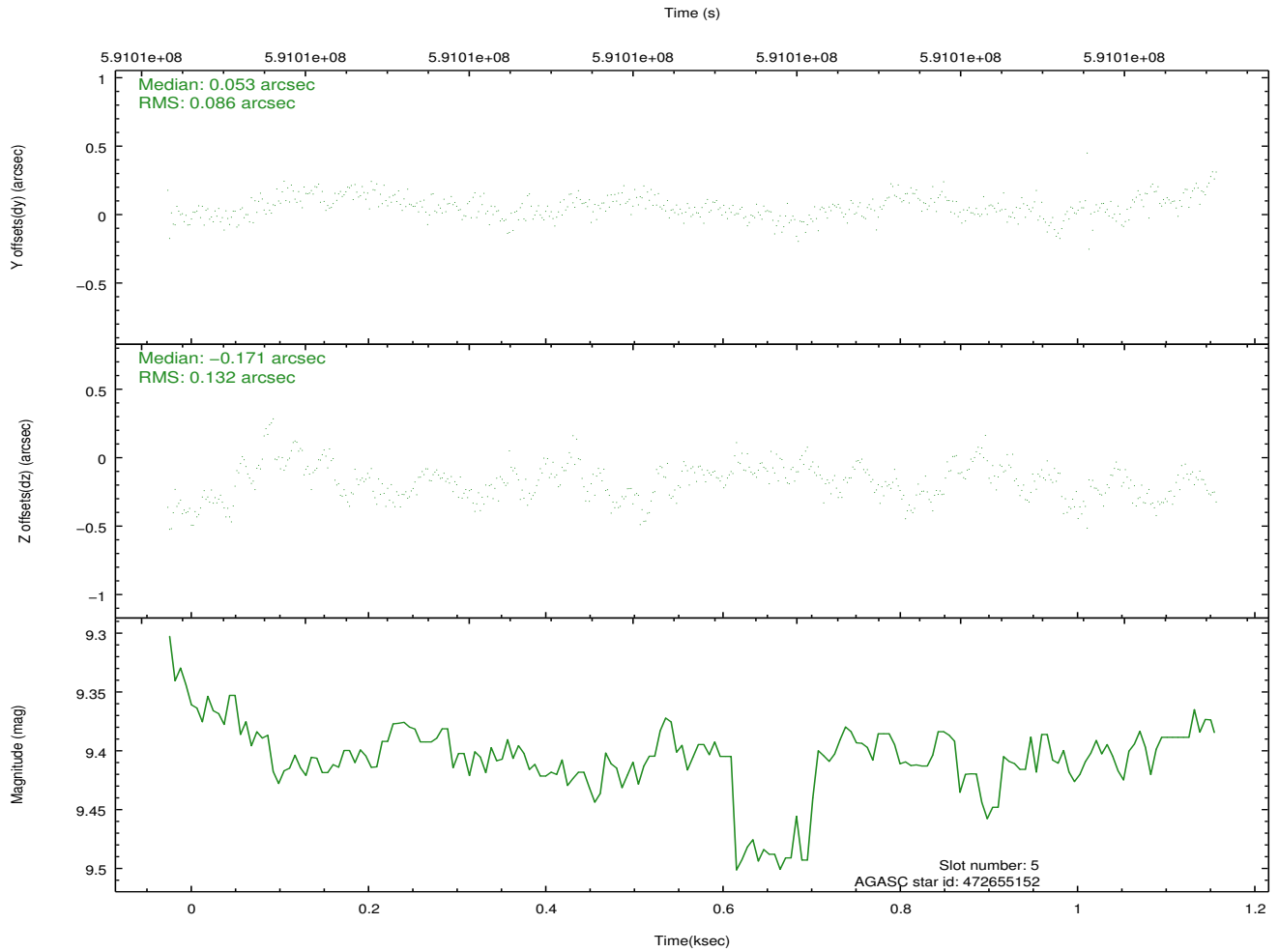
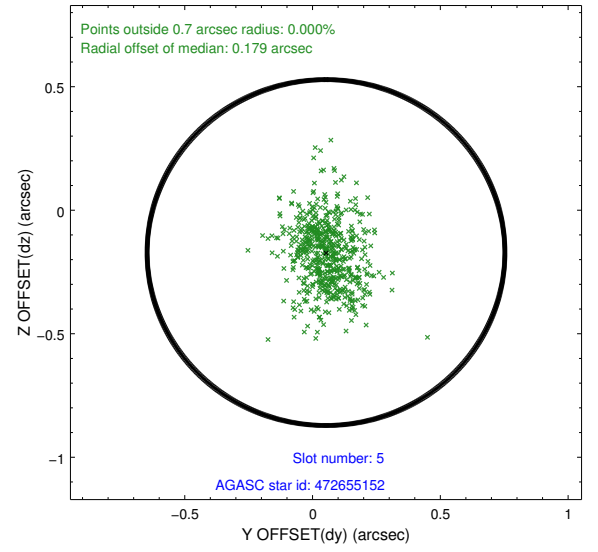
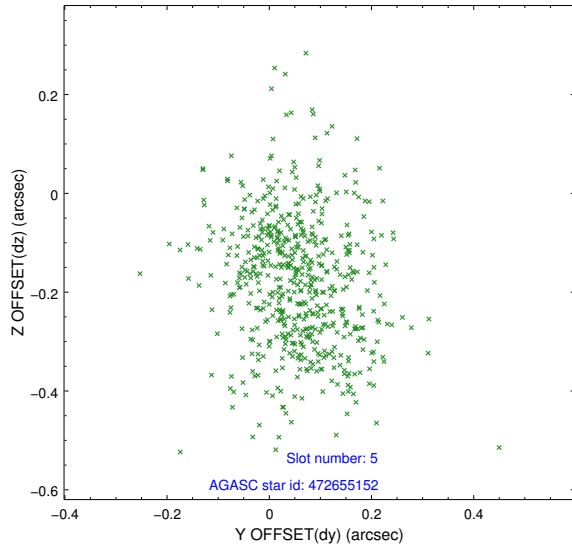
2.4.1 Slot 3



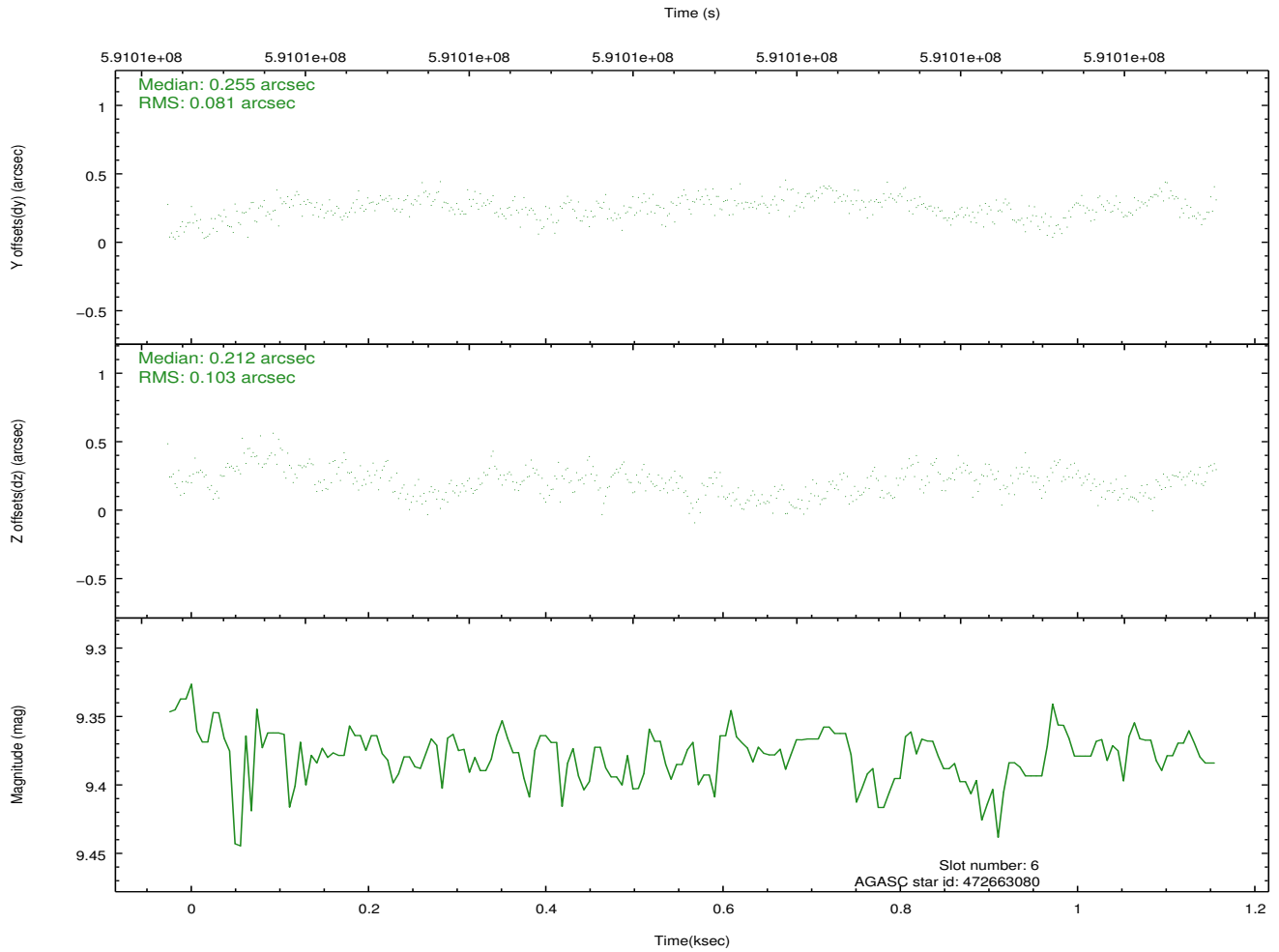
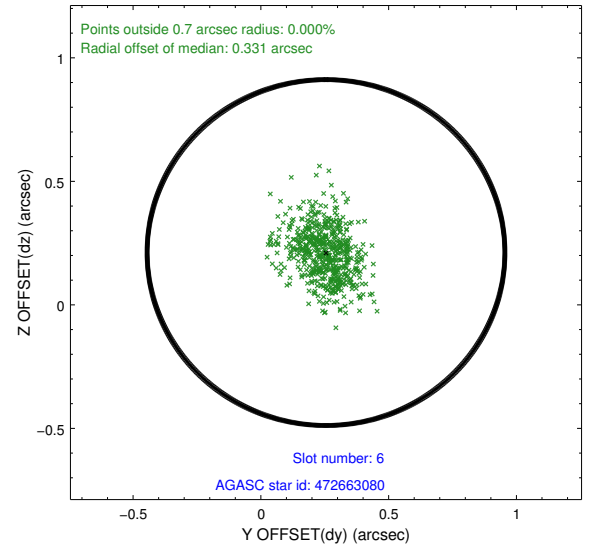
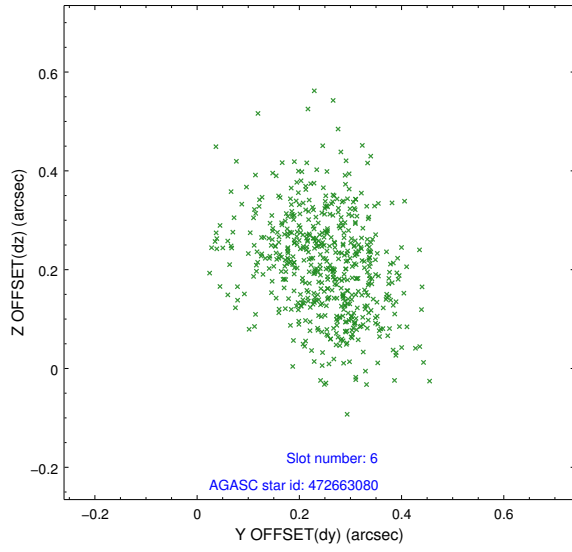
2.4.2 Slot 4



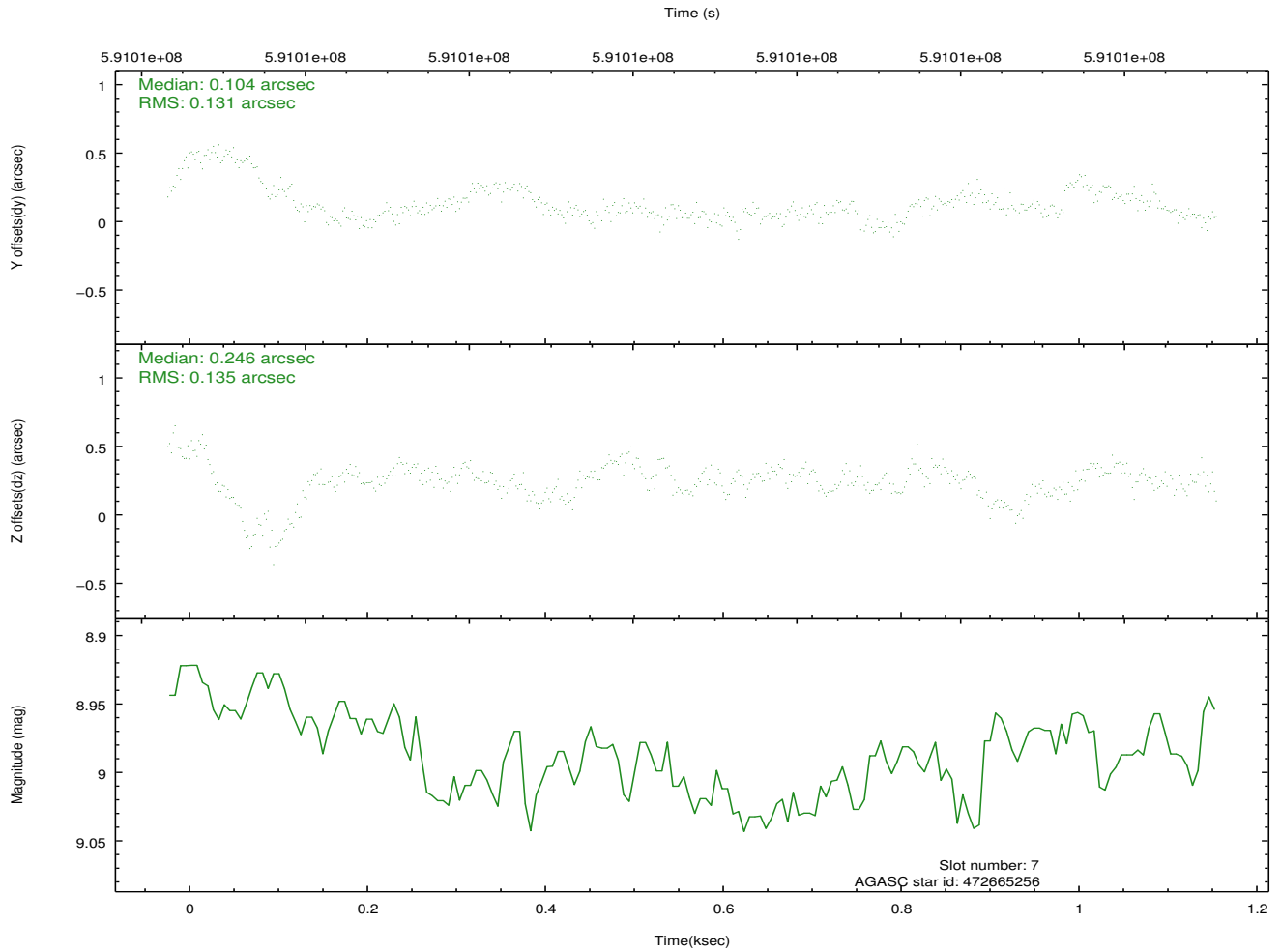
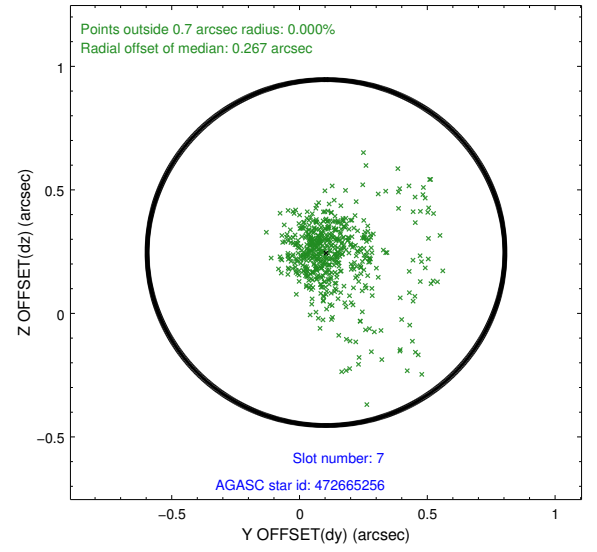
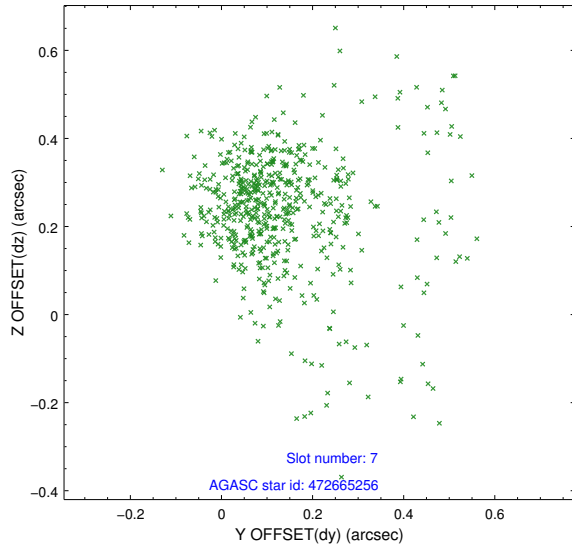
2.4.3 Slot 5



2.4.4 Slot 6

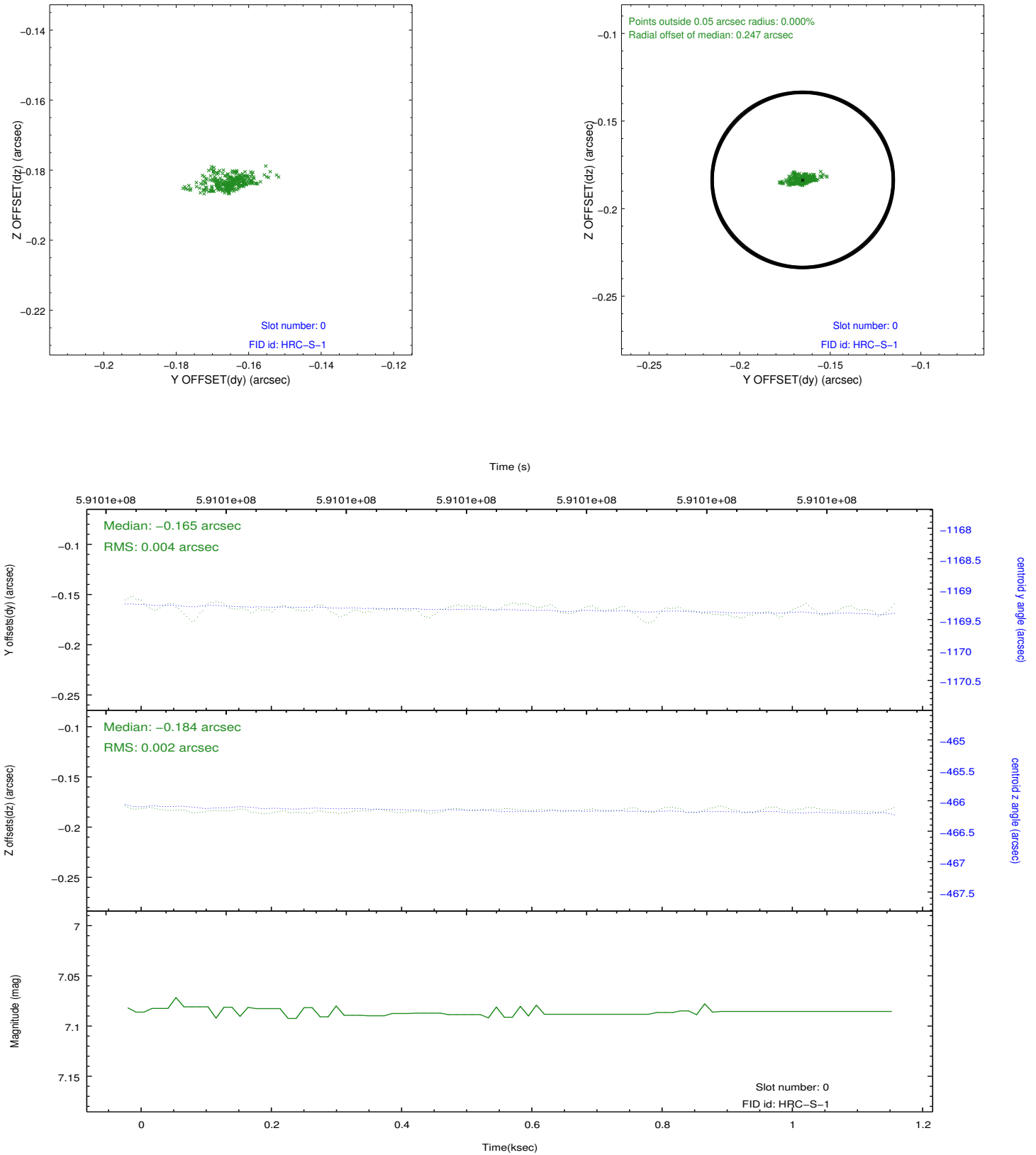


2.4.5 Slot 7

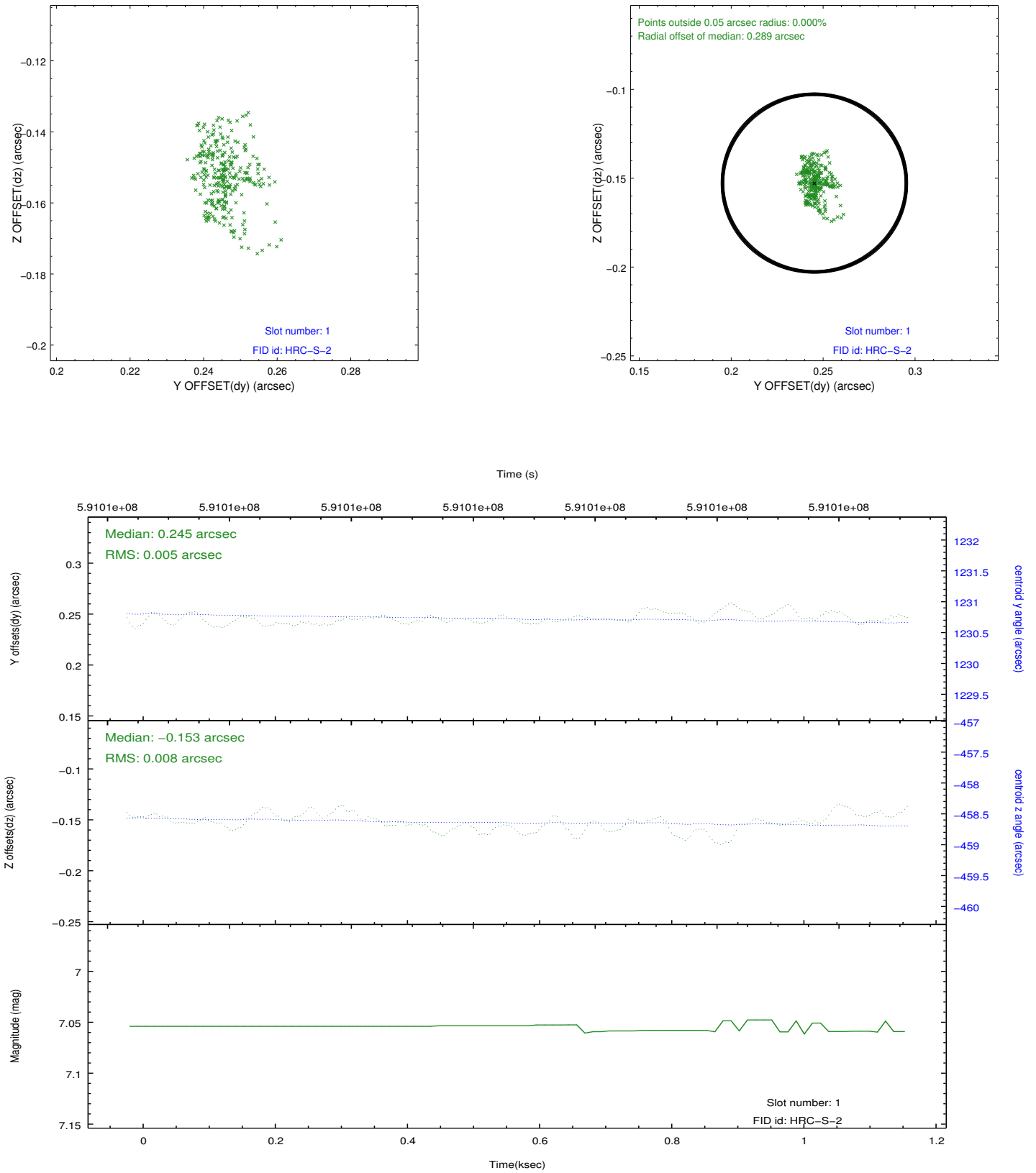


2.5 FID Slots

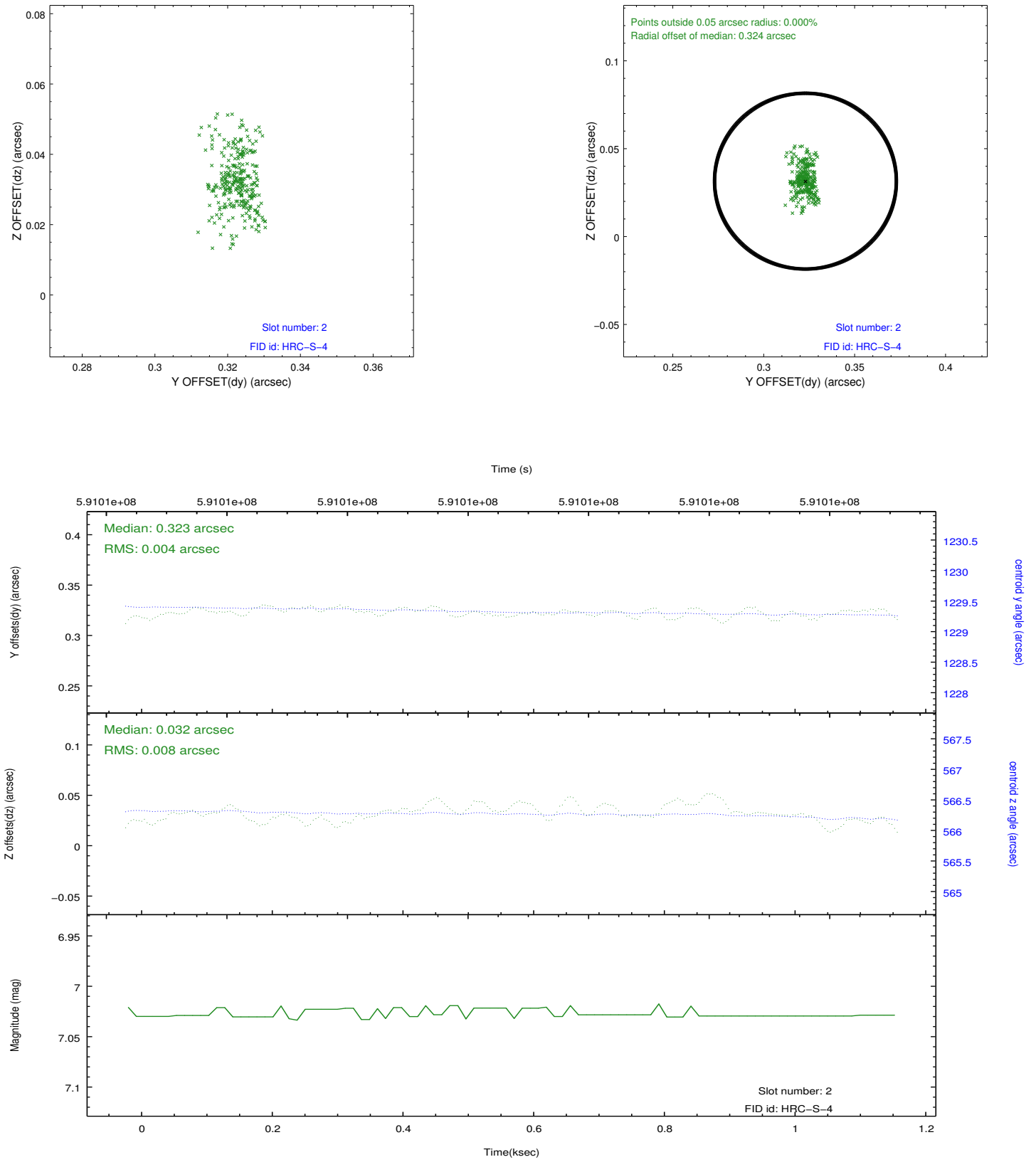
2.5.1 Slot 0



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	1.18208131814

A.2 Comments