

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18405 - L2 Version 1
Chandra X-Ray Center

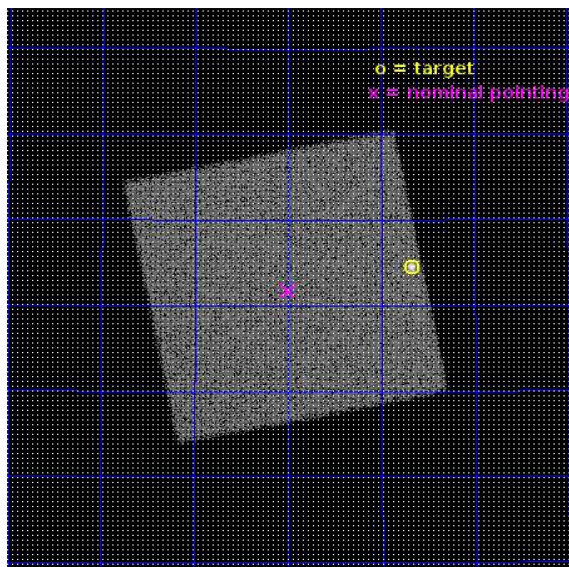
L2 Processing Date : Sep 21 2016

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1 Front

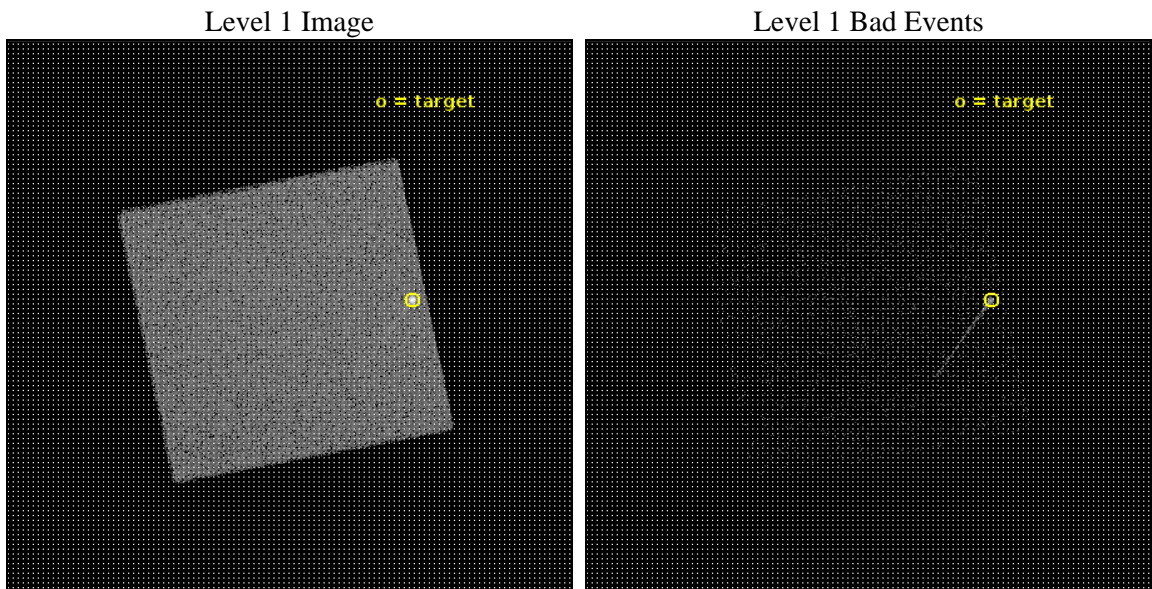
seq_num	291300	Sequence number
obs_id	18405	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.49943007389	Nominal RA [deg]
dec_nom	45.695992645574	Nominal Dec [deg]
roll_nom	213.66946064082	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1179.7750679255	[s]
livetime	1166.3751395231	Ontime multiplied by DTCOR
l2events	112239	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	1179.7750679255	[s]
caldbver	4.7.2	 	l1events	189449	Number of level 1 events
date	2016-09-21T12:48:46	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

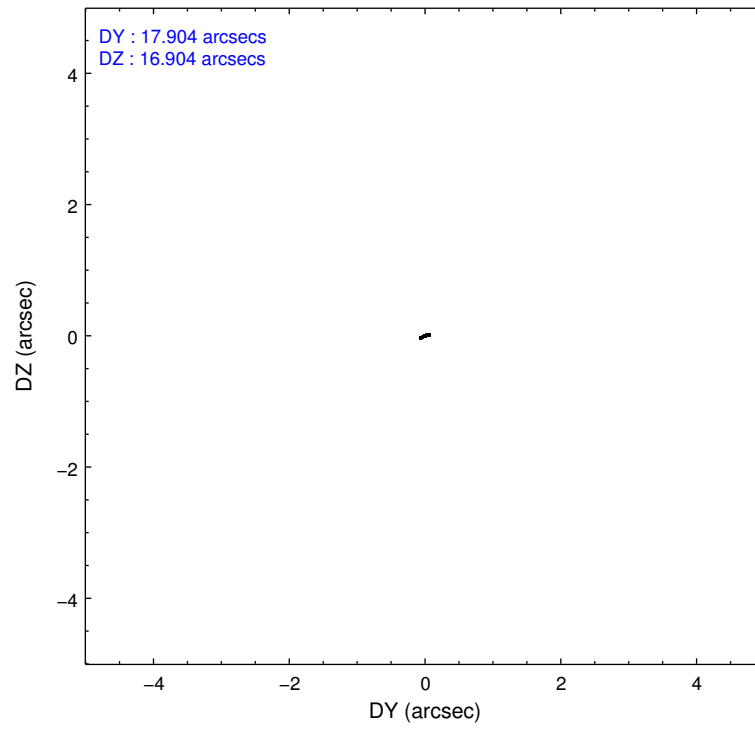
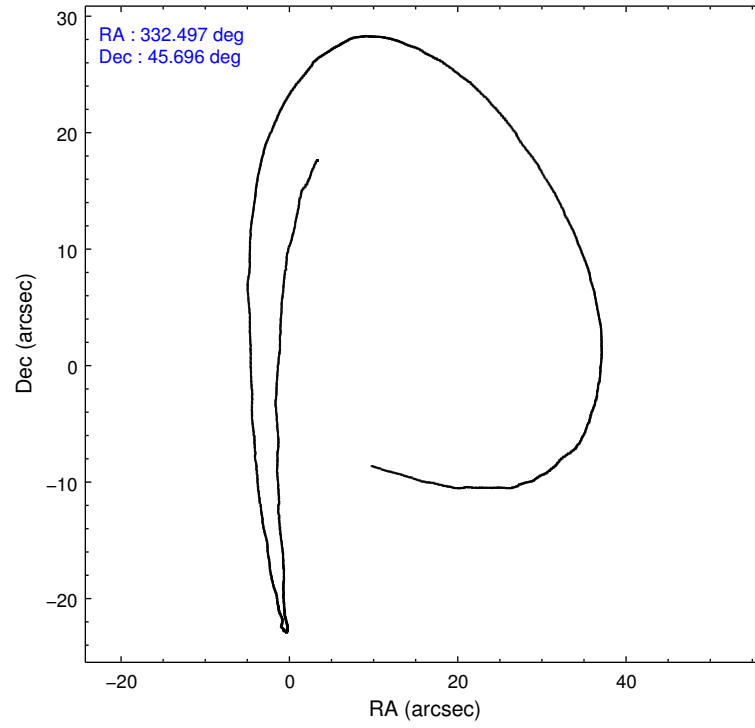
	segment 0
level 1 events	189449
rejected events	41247
rejected %	21%

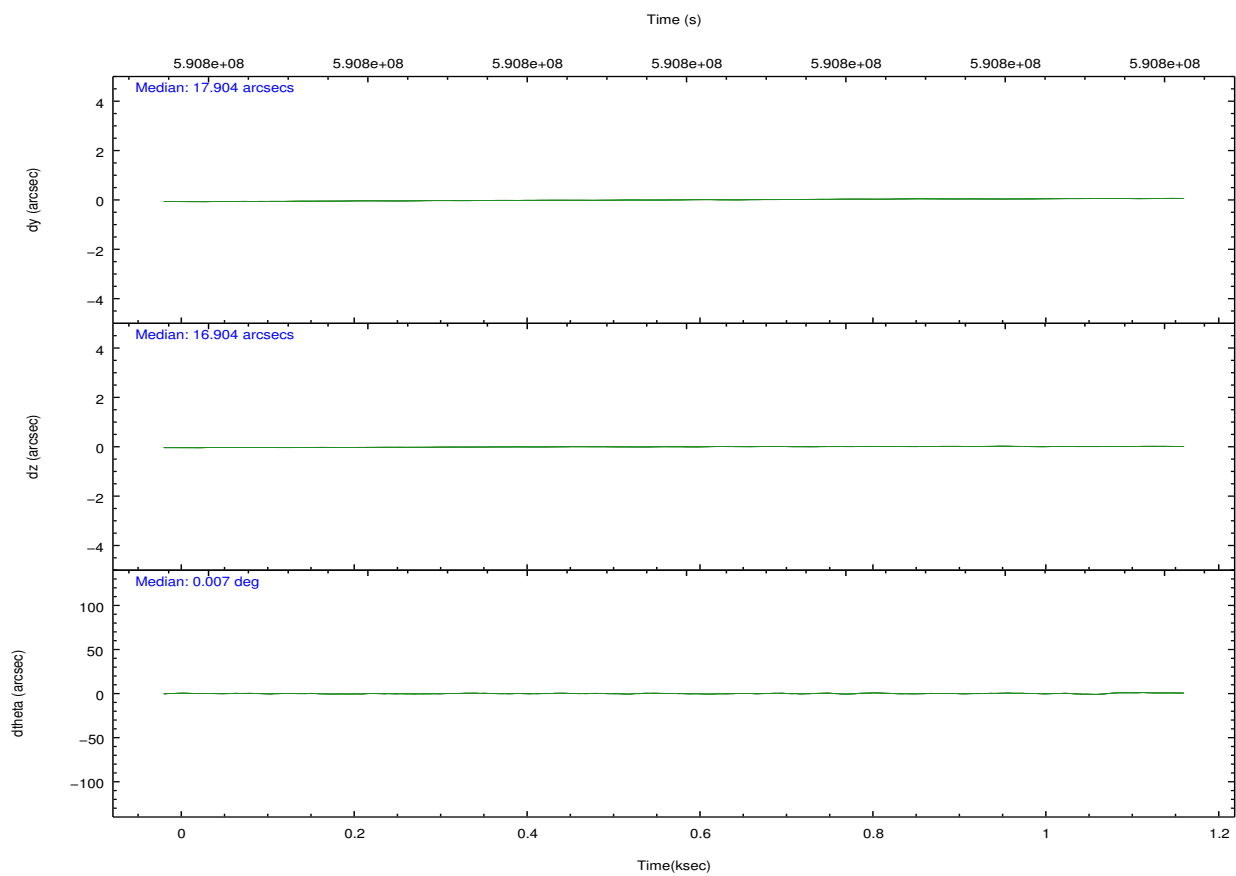
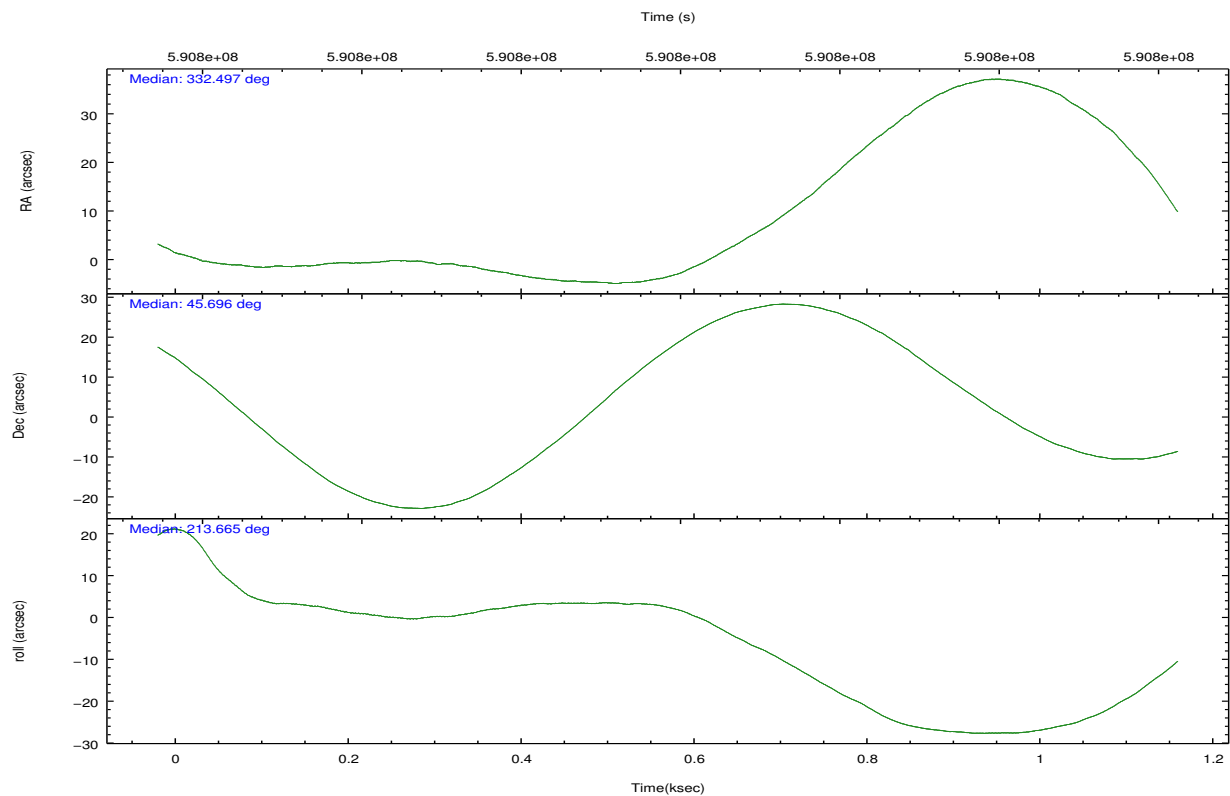
2.2 Compared Parameters

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	332.515220	332.4994300738932
[deg] Pointing Dec	45.721503	45.69599264557387
[deg] Pointing Roll	213.753434	213.6694606408244
[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)	590803167.184000	590802791.50475
Observation start date	2016-09-20T23:58:19	2016-09-20T23:53:11
[s] Observation end time (MET)	590804167.184000	590804301.3298399
Observation end date	2016-09-21T00:14:59	2016-09-21T00:18:21

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

2.3 Aspect



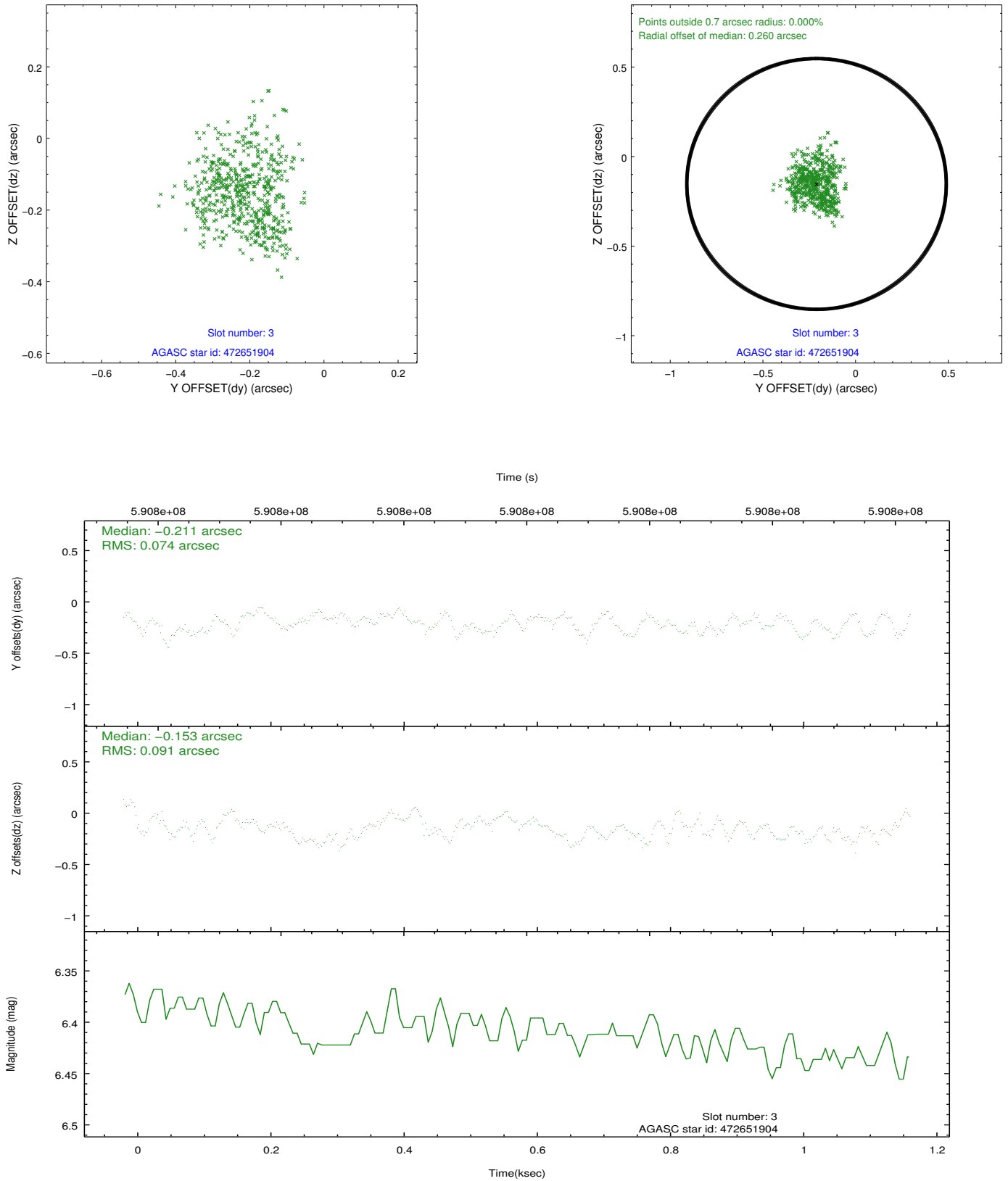


Slot Statistics

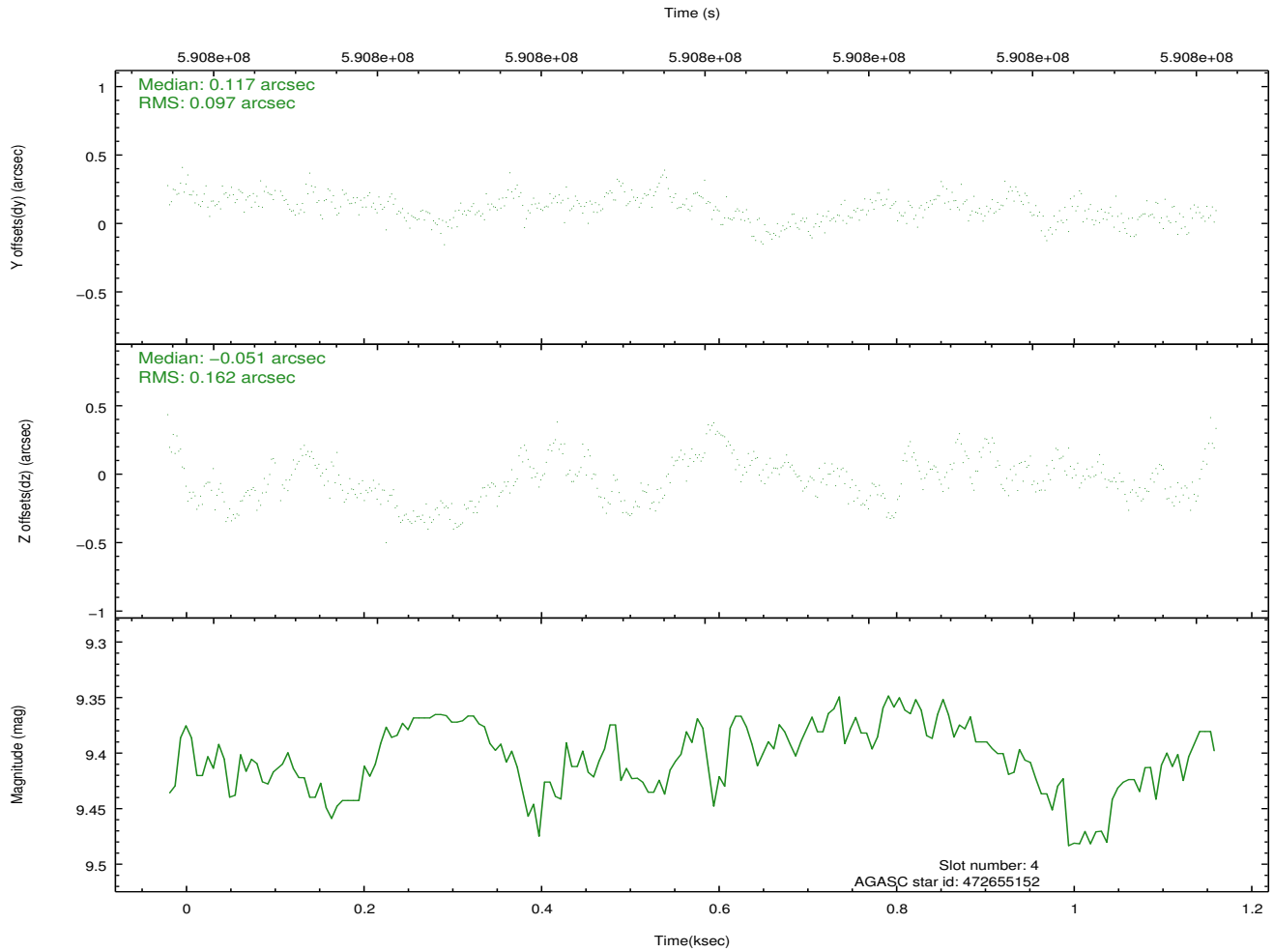
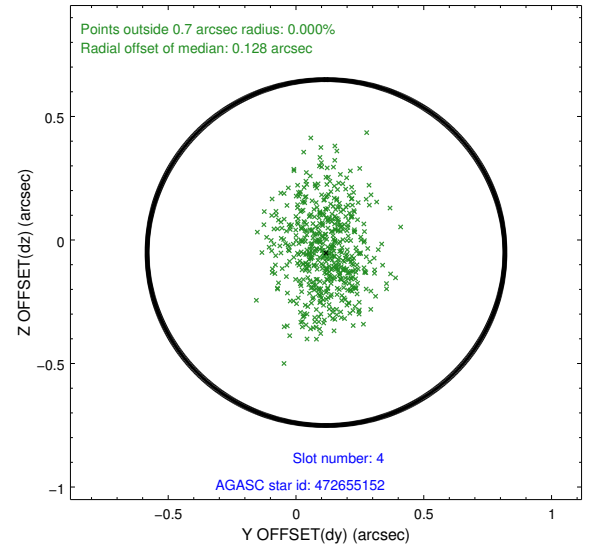
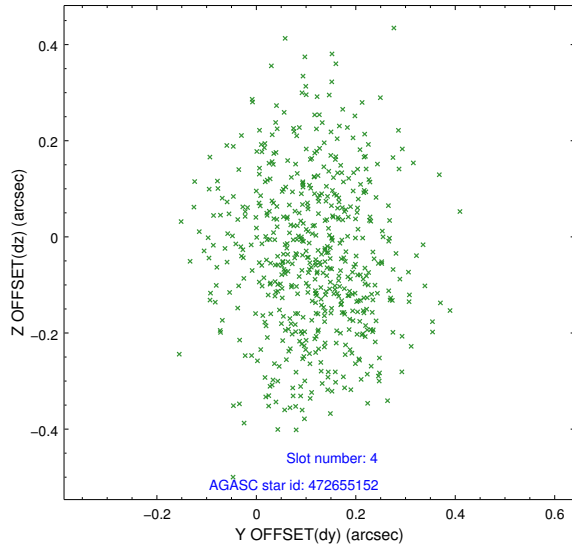
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	288	-0.181	-0.002	0.006	0.009	0.000000	0.000000	-773.93	-1305.06
1	FID		HRC-I-2	7.06	288	0.391	-0.185	0.005	0.008	0.000000	0.000000	836.59	-1311.30
2	FID		HRC-I-3	7.12	288	-0.091	0.097	0.006	0.010	0.000000	0.000000	-1199.48	995.04
3	GUIDE	used	472651904	6.41	577	-0.211	-0.153	0.127	0.195	332.170077	45.742257	678.99	-549.77
4	GUIDE	used	472655152	9.40	575	0.117	-0.051	0.204	0.320	332.504239	45.862991	-258.28	-442.67
5	GUIDE	used	472663080	9.36	577	0.189	0.234	0.194	0.312	332.652741	46.473840	-1788.15	-2066.49
6	GUIDE	used	472665256	8.99	577	0.191	0.092	0.143	0.225	332.808125	46.195041	-1557.15	-1019.66
7	GUIDE	used	472654568	9.36	576	-0.256	-0.124	0.194	0.307	332.194449	45.063576	1990.66	1510.05

2.4 Star Slots

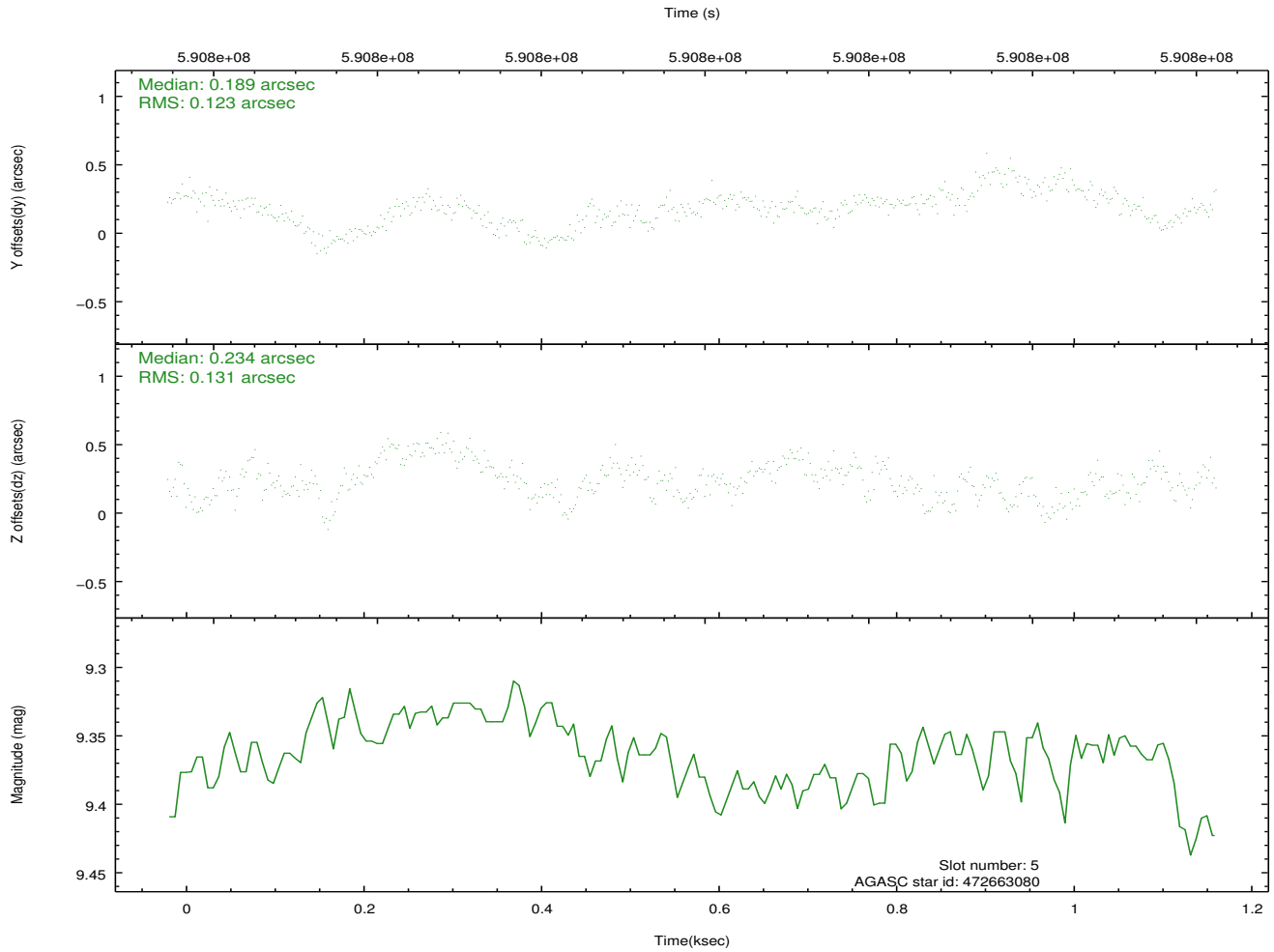
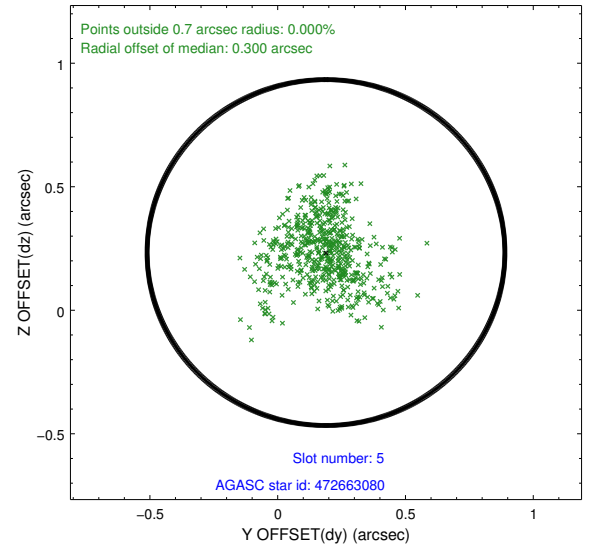
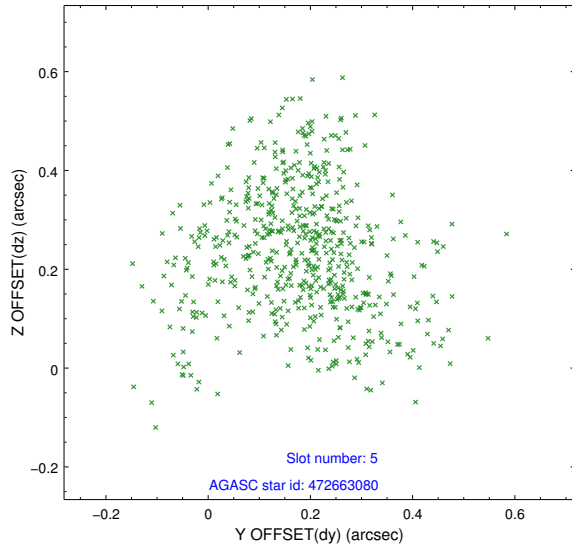
2.4.1 Slot 3



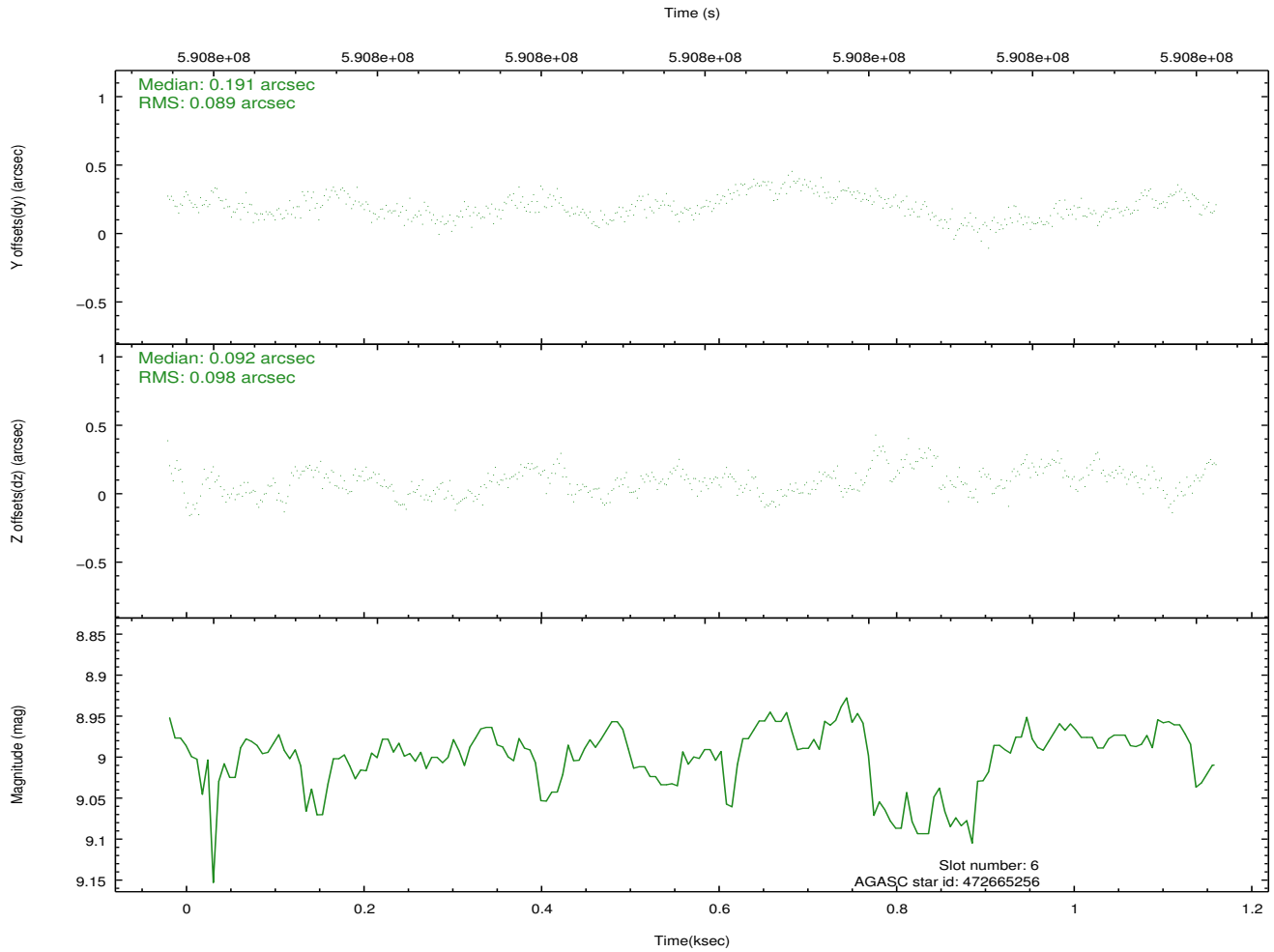
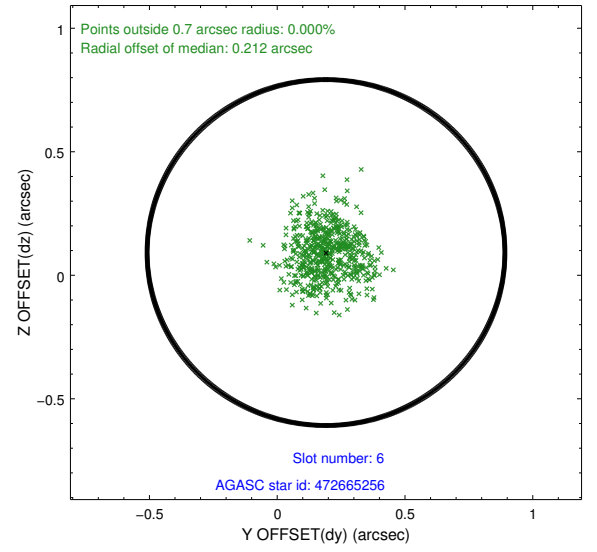
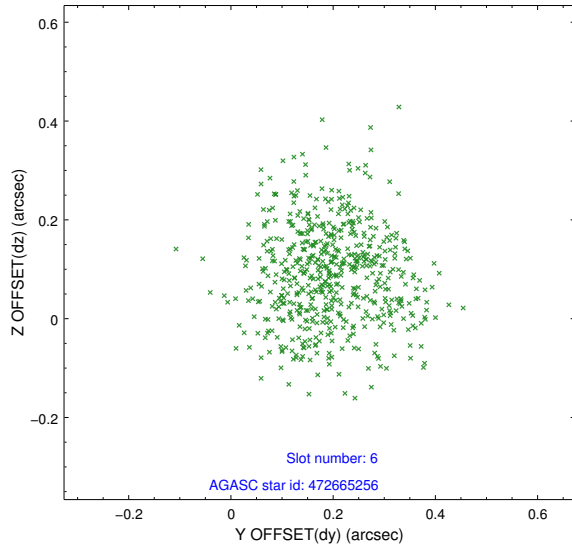
2.4.2 Slot 4



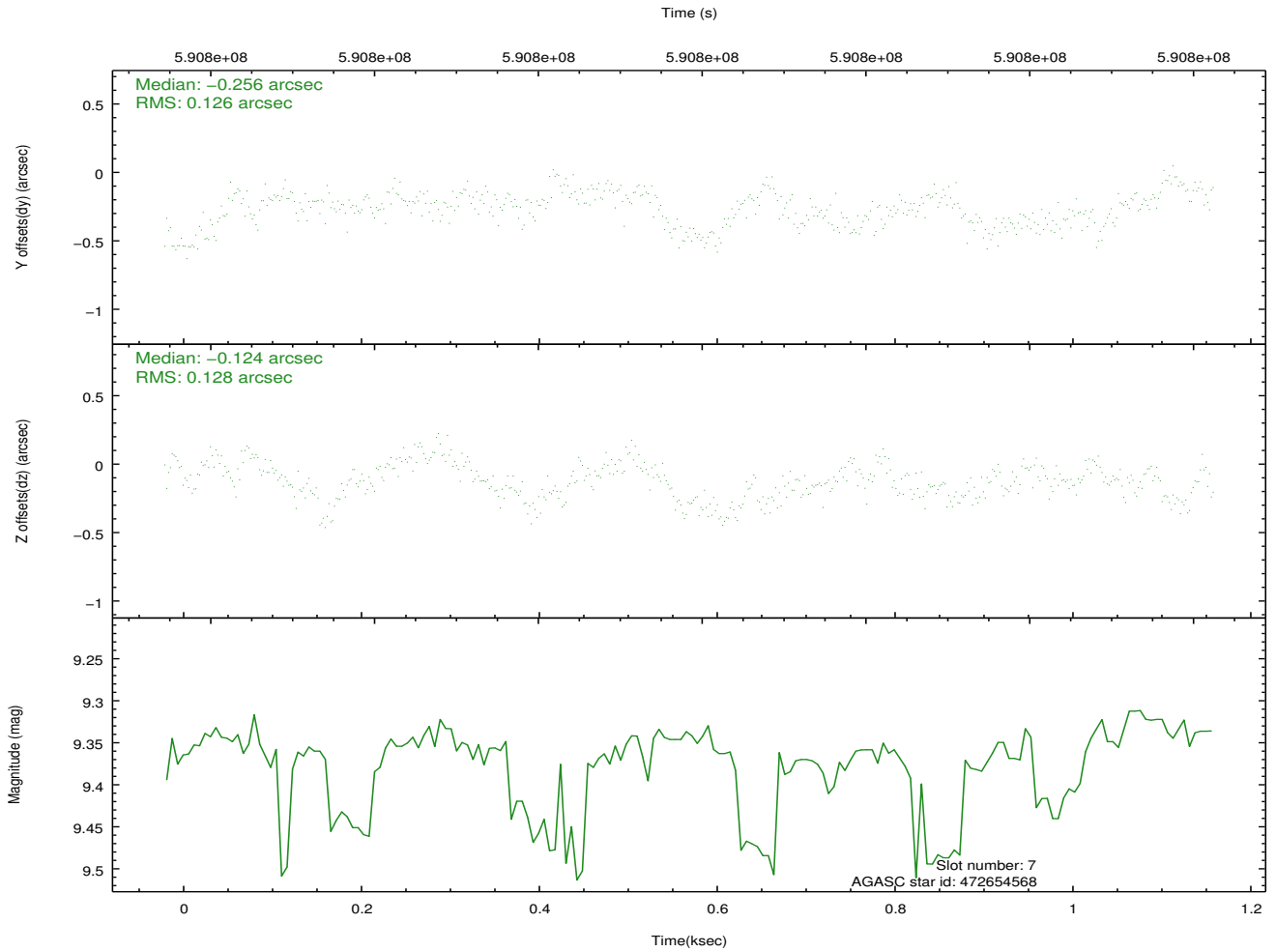
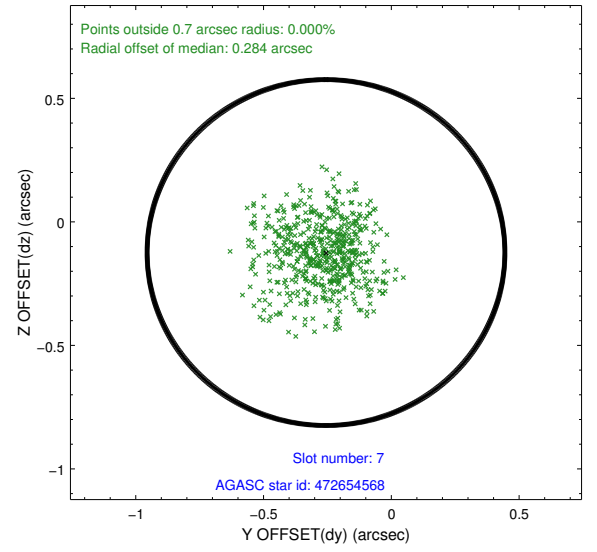
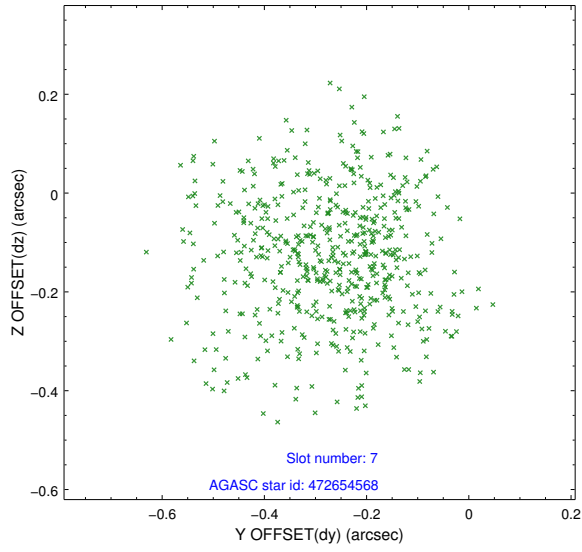
2.4.3 Slot 5



2.4.4 Slot 6

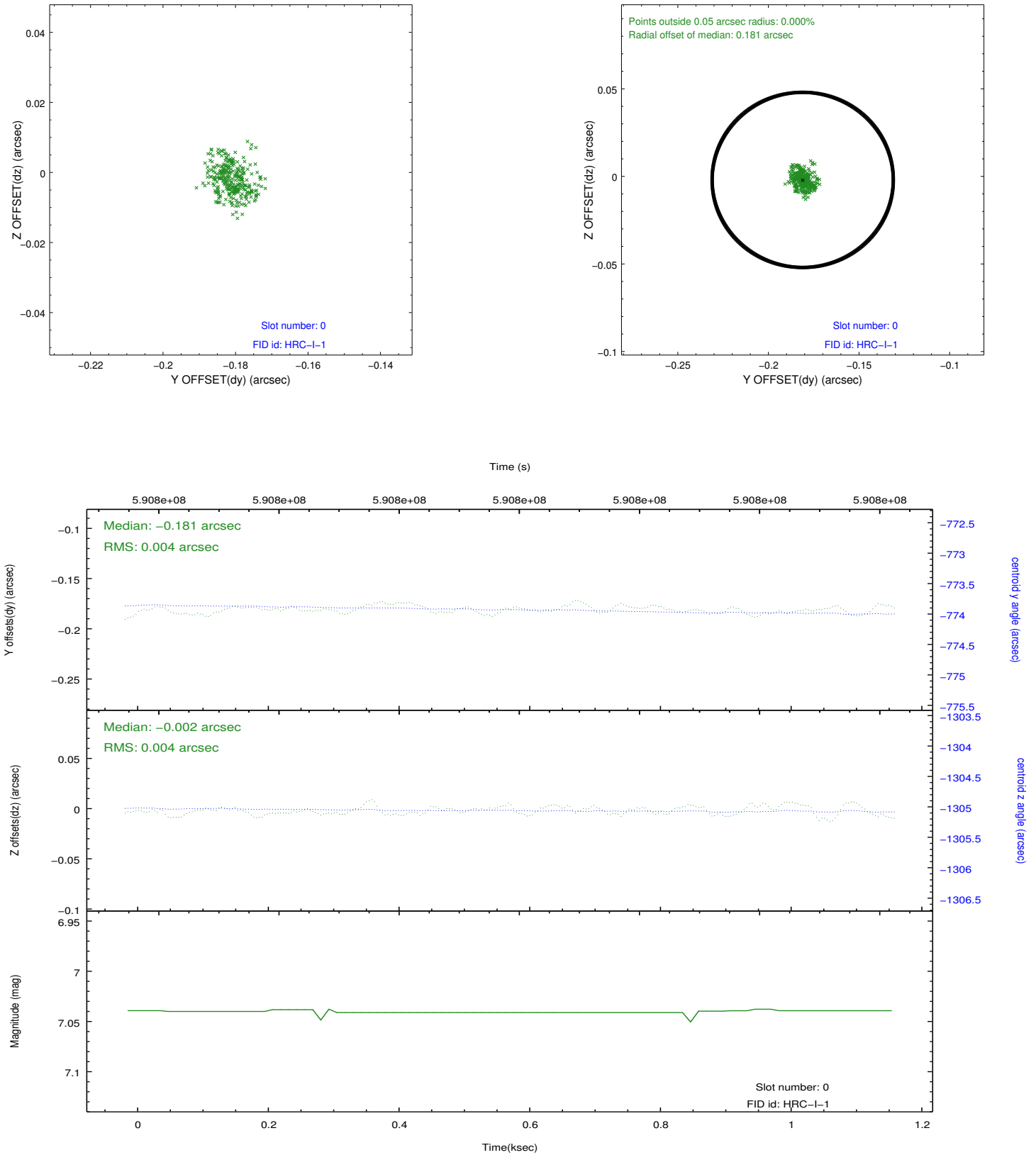


2.4.5 Slot 7

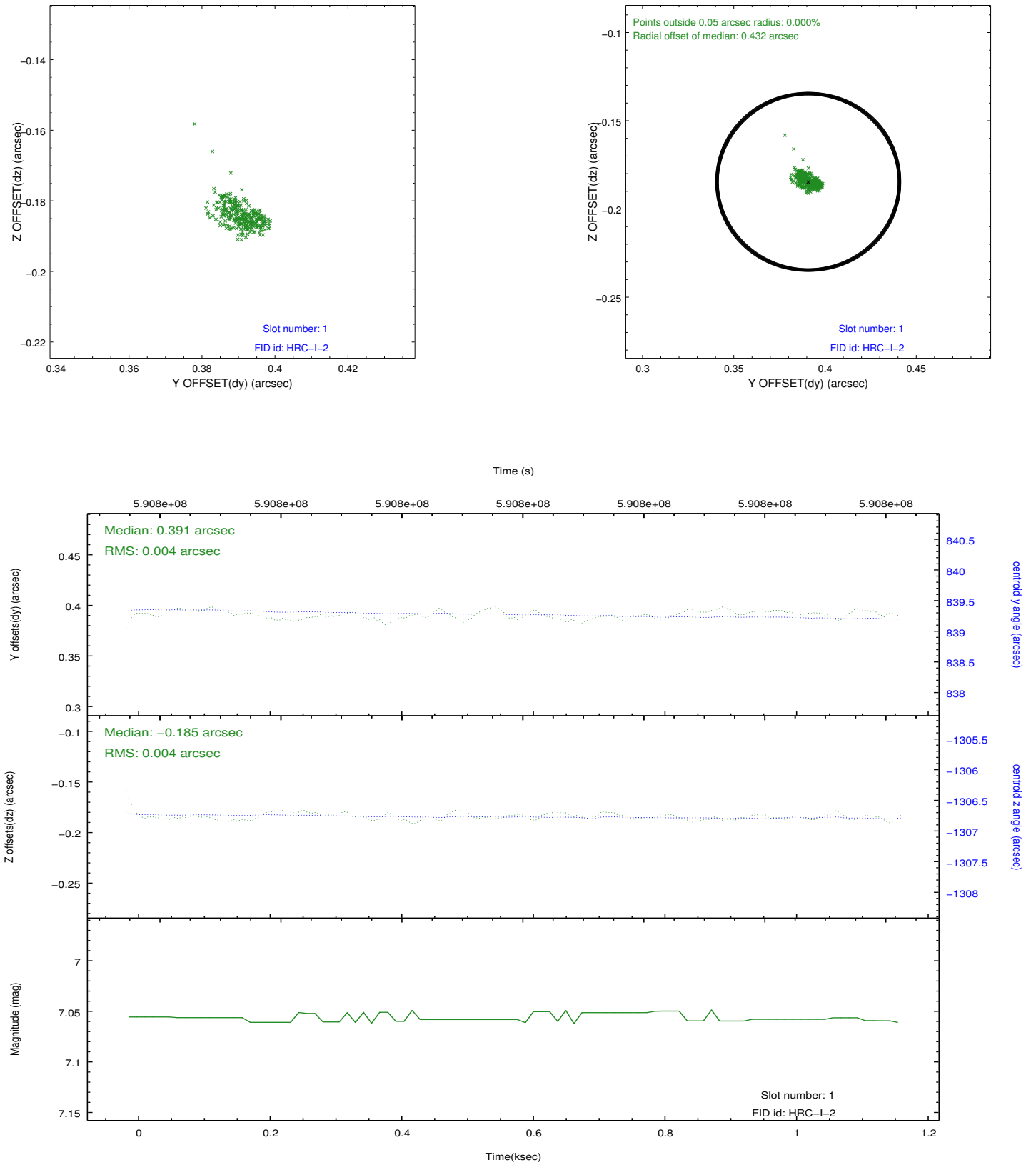


2.5 FID Slots

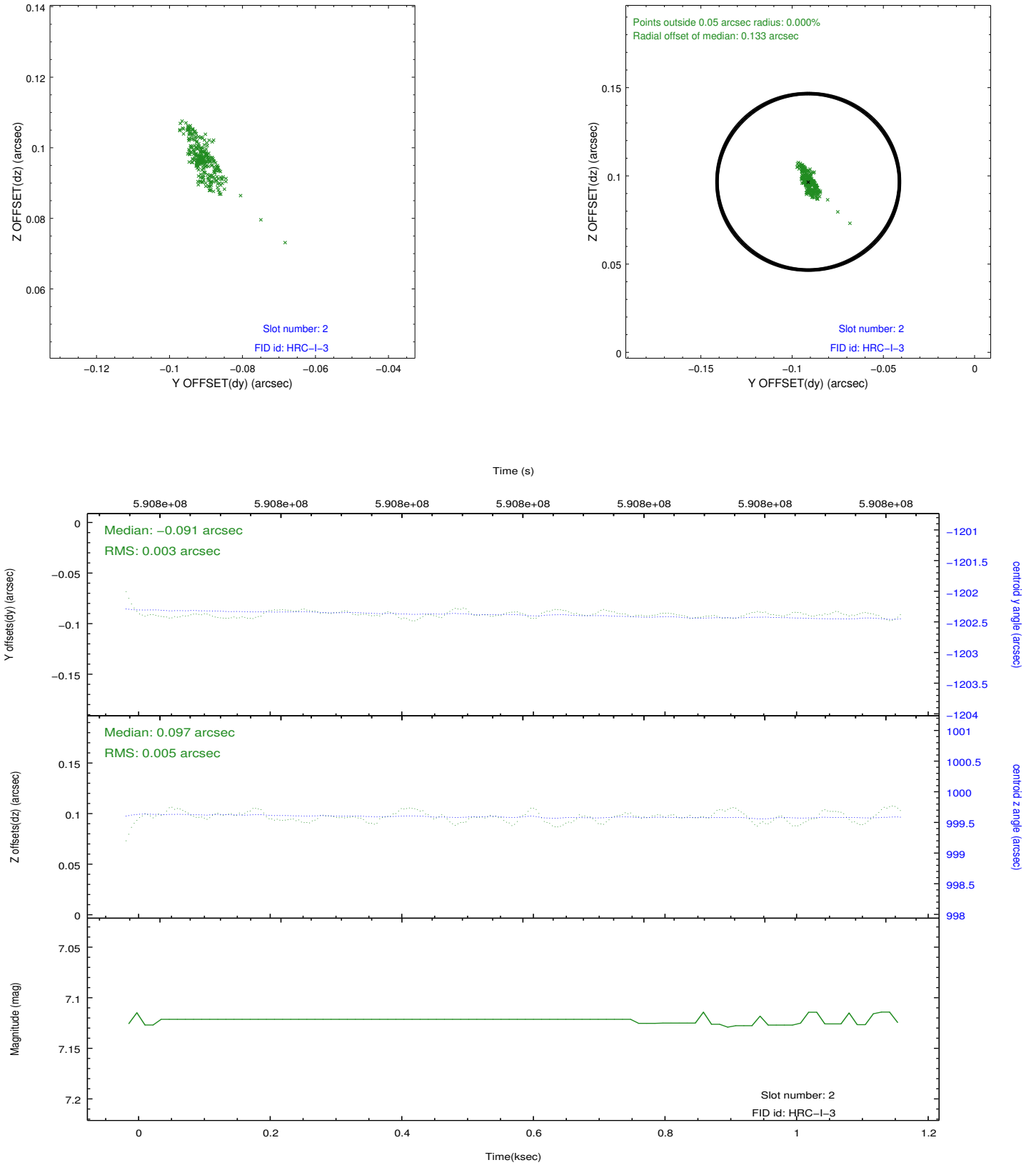
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1797750679255

A.2 Comments