

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18393 - L2 Version 1
Chandra X-Ray Center

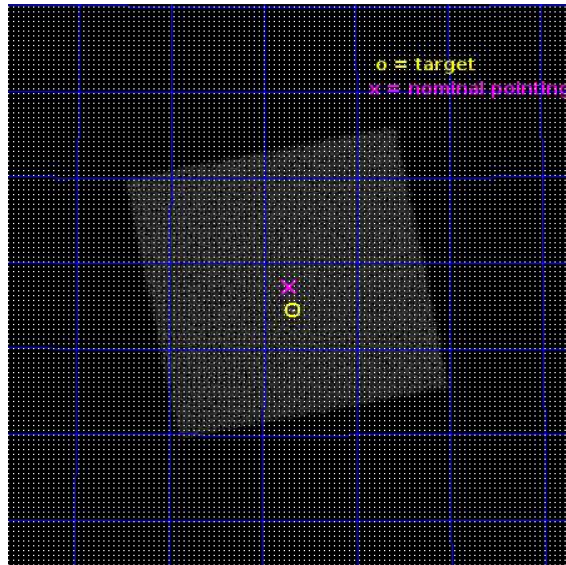
L2 Processing Date : Sep 20 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

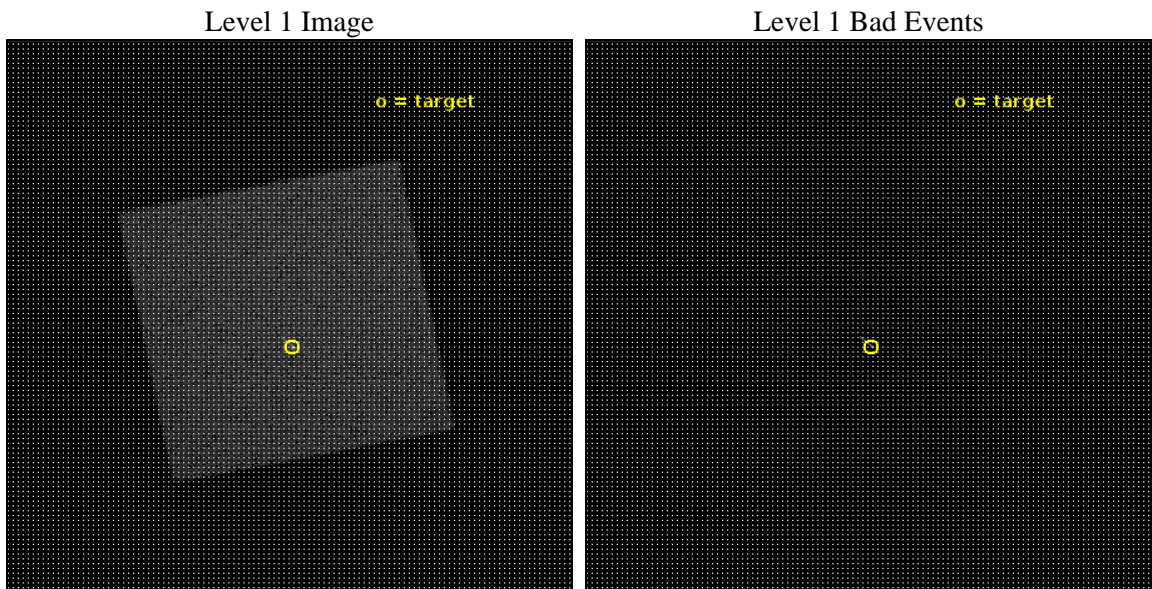
seq_num	291288	Sequence number
obs_id	18393	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17963889342	Nominal RA [deg]
dec_nom	45.788465452405	Nominal Dec [deg]
roll_nom	213.74026015654	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1181.8250681162	[s]
livetime	1168.0476623973	Ontime multiplied by DTCOR
l2events	117637	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	1181.8250681162	[s]
caldbver	4.7.2	 	l1events	196066	Number of level 1 events
date	2016-09-21T02:06:34	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

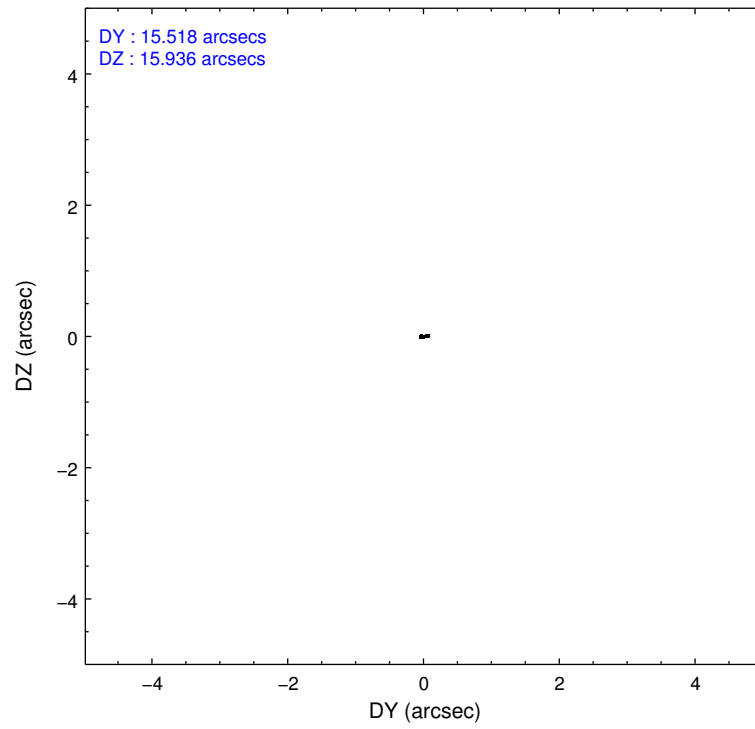
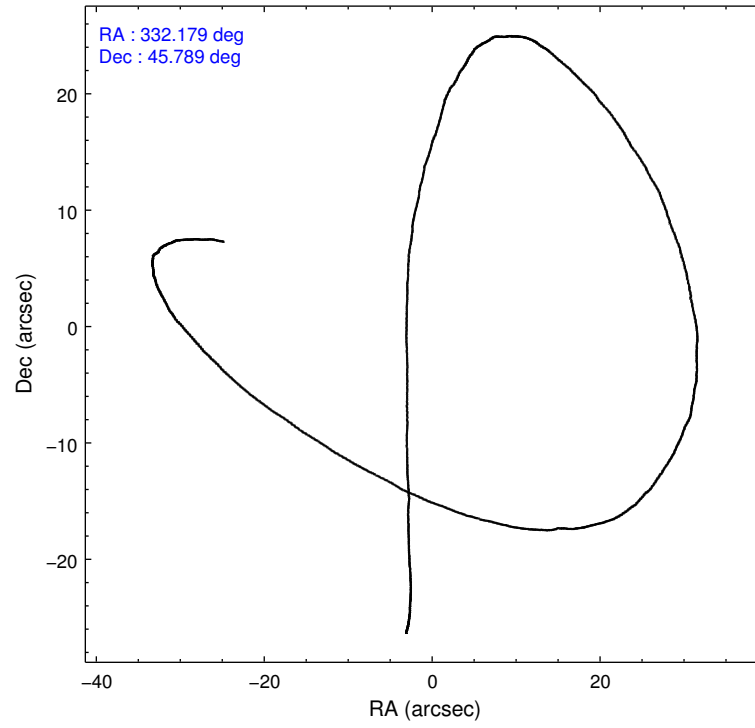
Level 1 Events

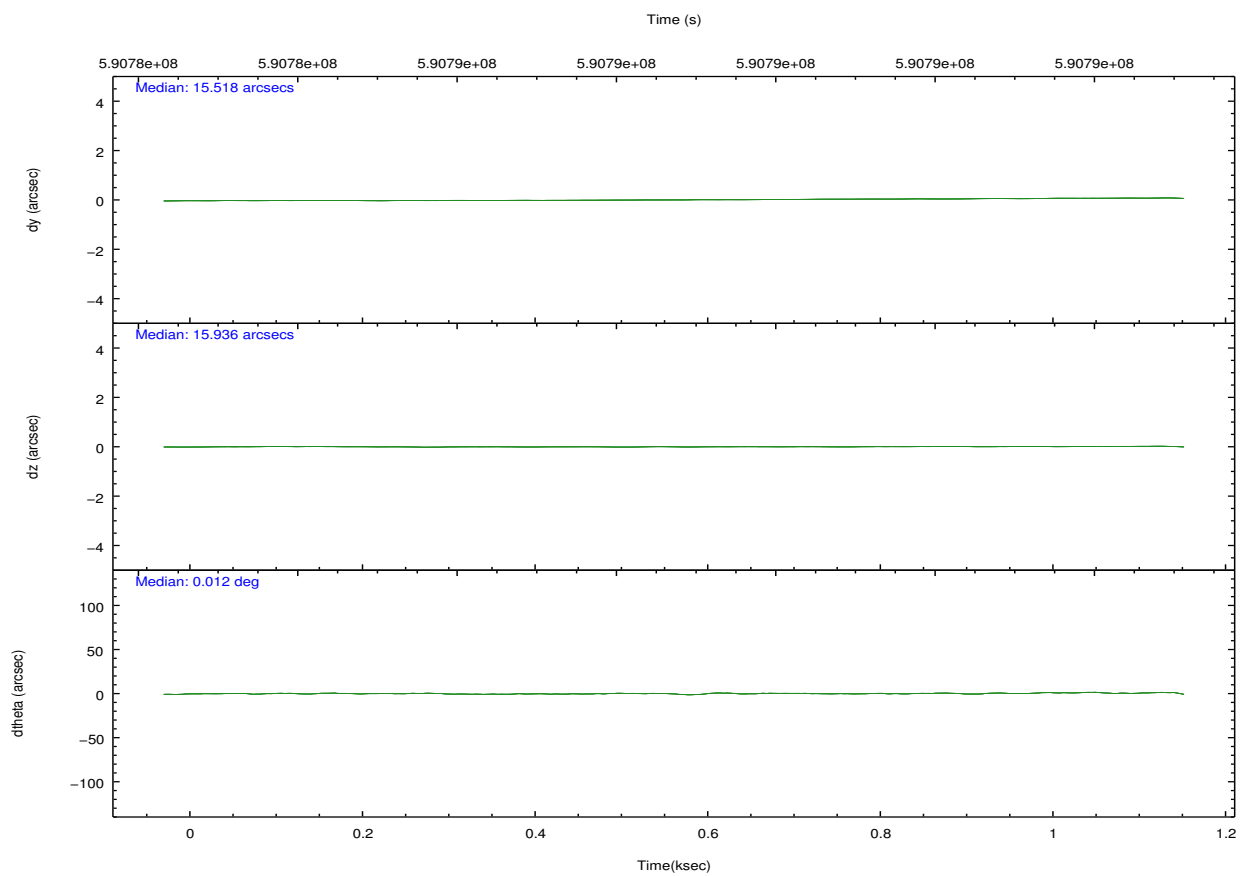
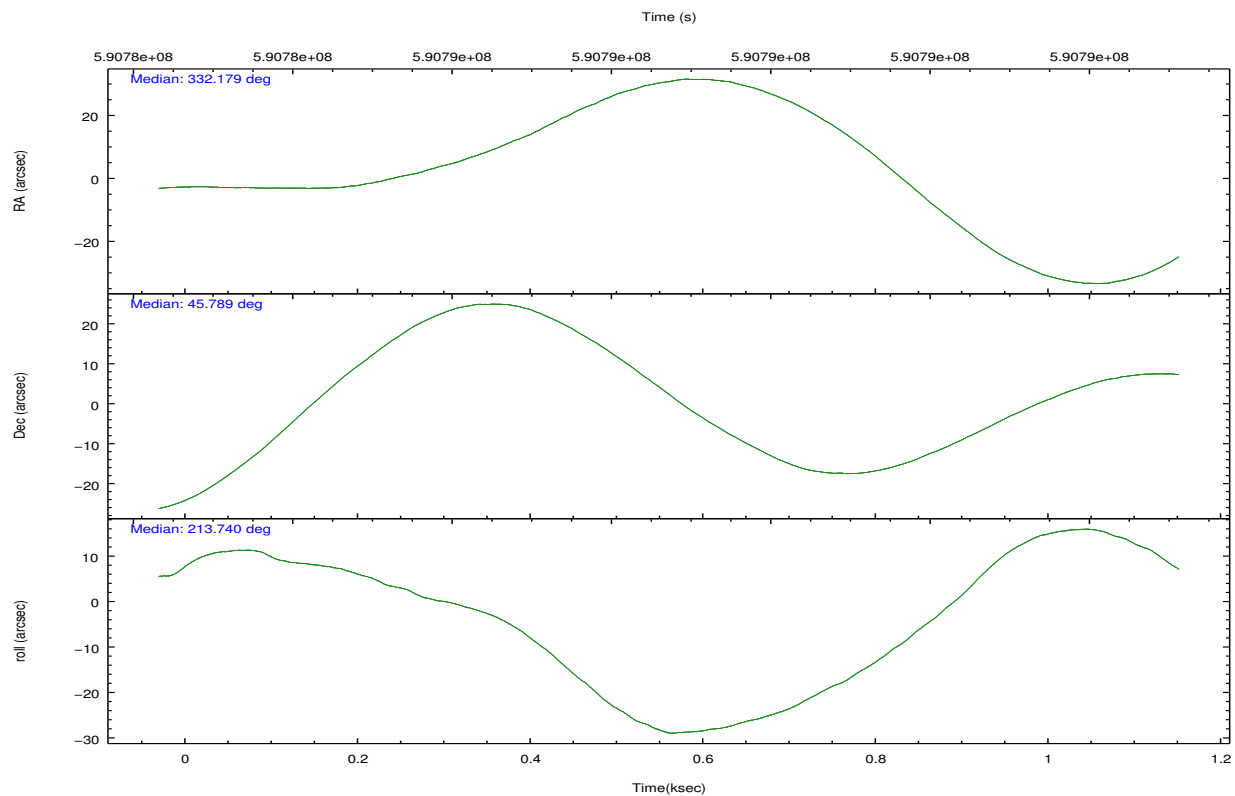
	segment 0
level 1 events	196066
rejected events	41943
rejected %	21%

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	332.196934	332.179638893415			
[deg] Pointing Dec	45.813120	45.78846545240483			
[deg] Pointing Roll	213.823200	213.7402601565441			
[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)	590785047.184000	590784671.55371			
Observation start date	2016-09-20T18:56:19	2016-09-20T18:51:11			
[s] Observation end time (MET)	590786047.184000	590786181.3788			
Observation end date	2016-09-20T19:12:59	2016-09-20T19:16:21			

2.3 Aspect



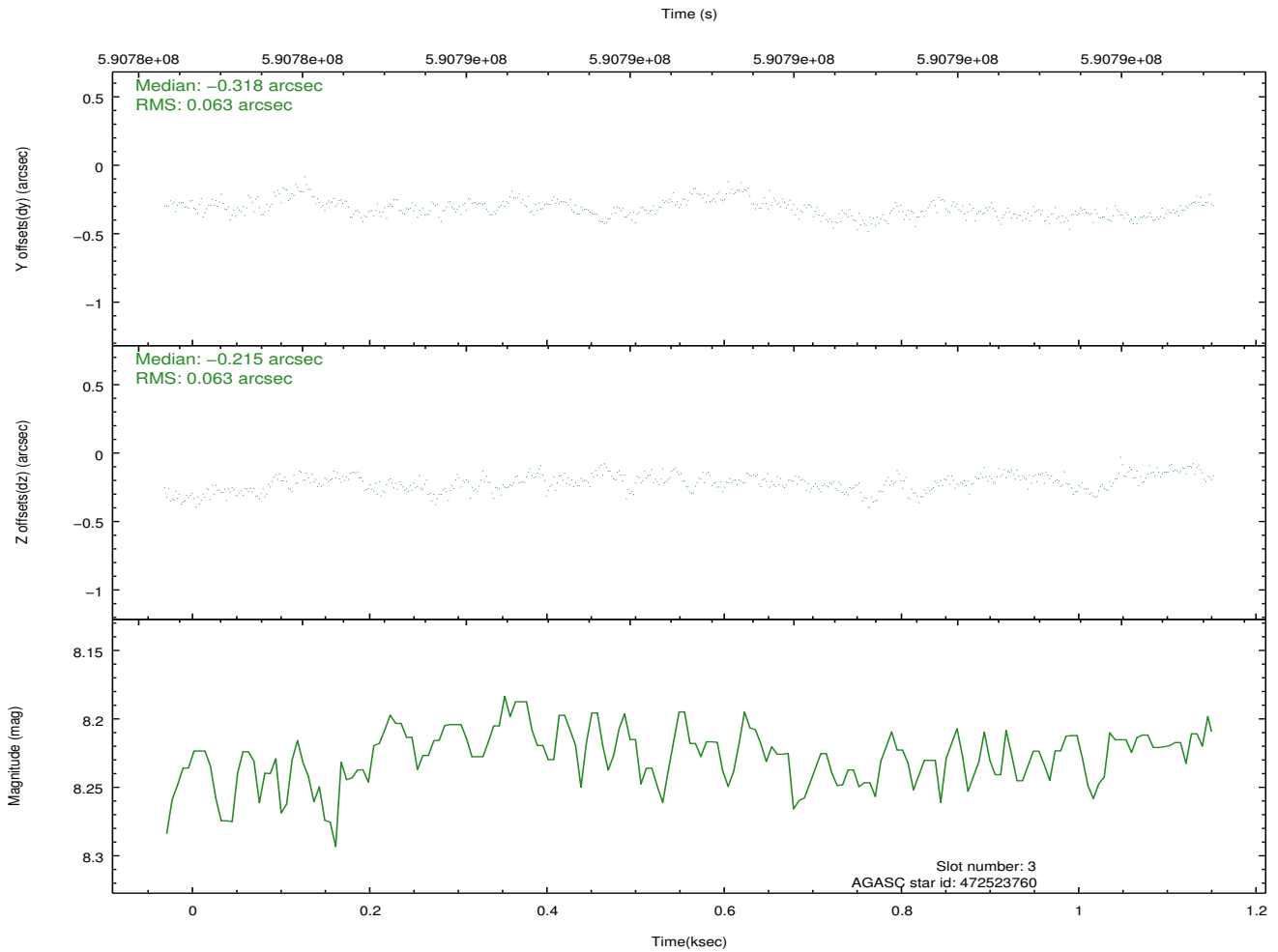
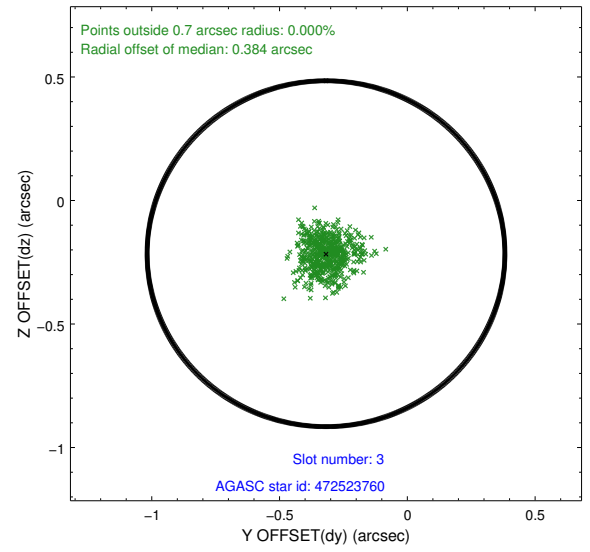
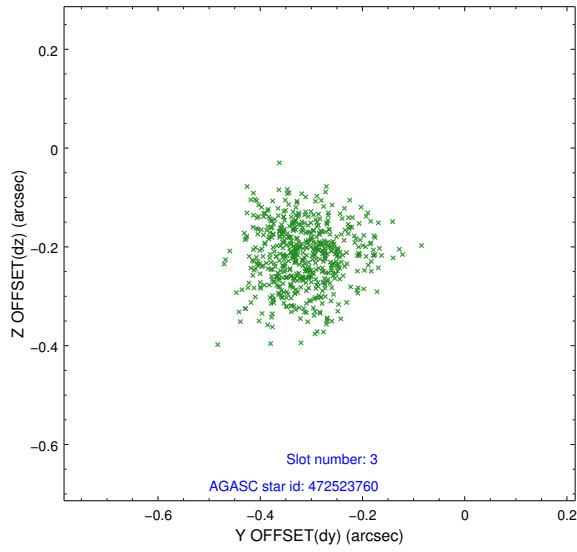


Slot Statistics

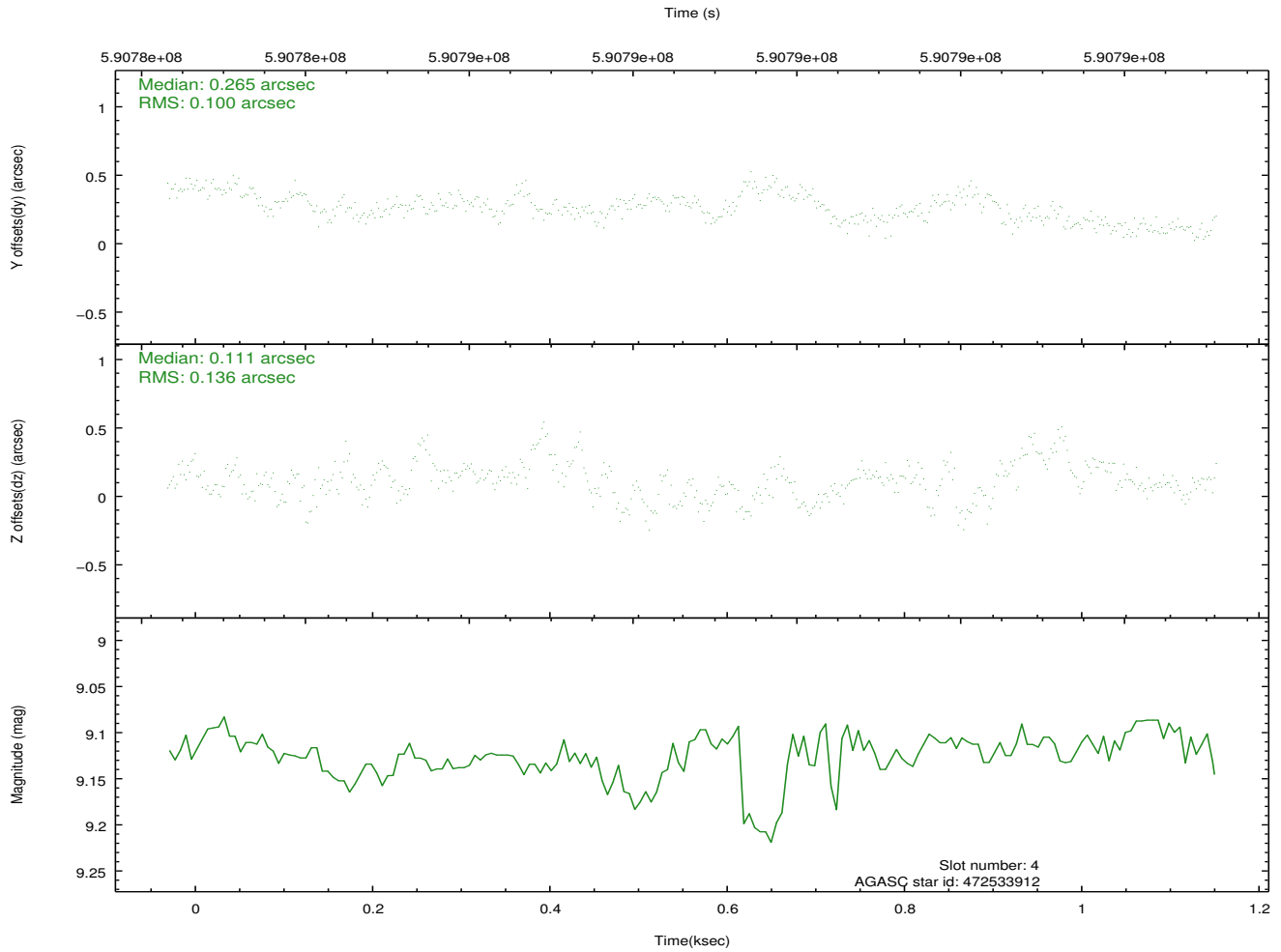
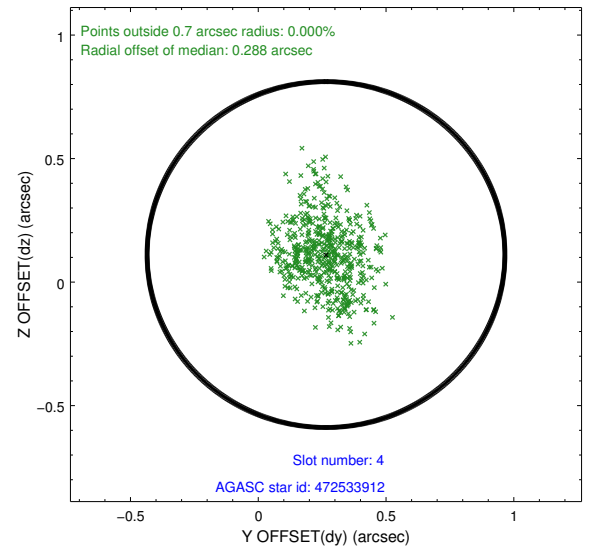
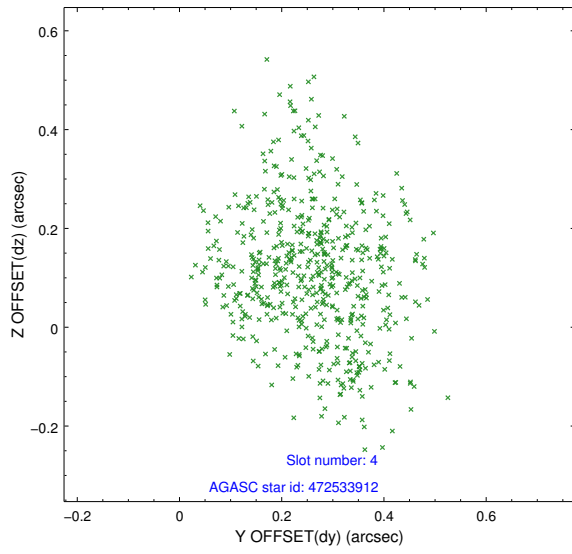
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	289	-0.122	-0.147	0.006	0.009	0.000000	0.000000	-771.55	-1304.14
1	FID		HRC-I-3	7.13	289	-0.173	-0.081	0.007	0.010	0.000000	0.000000	-1202.62	996.00
2	FID		HRC-I-4	7.05	289	0.409	0.138	0.006	0.009	0.000000	0.000000	1267.75	1001.63
3	GUIDE	used	472523760	8.23	578	-0.318	-0.215	0.095	0.151	331.645363	45.403260	1975.77	447.31
4	GUIDE	used	472533912	9.12	577	0.265	0.111	0.185	0.294	331.791136	46.368695	-274.58	-2222.22
5	GUIDE	used	472655152	9.38	575	-0.208	-0.266	0.177	0.288	332.504239	45.862991	-742.48	276.21
6	GUIDE	used	472665256	9.00	578	0.041	0.147	0.136	0.217	332.808125	46.195041	-2036.05	-296.96
7	GUIDE	used	472663080	9.36	577	0.202	0.216	0.189	0.292	332.652741	46.473840	-2268.89	-1348.35

2.4 Star Slots

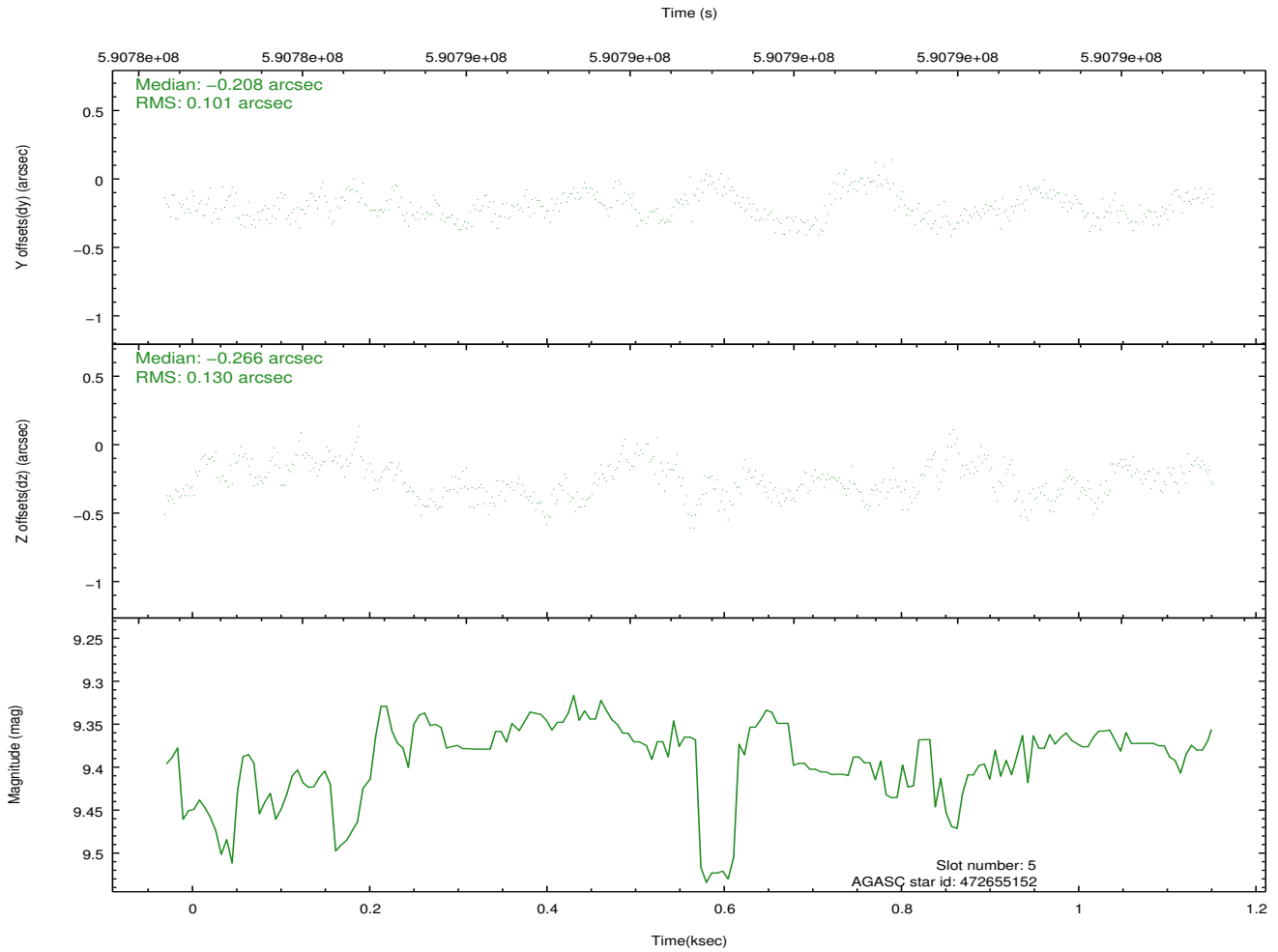
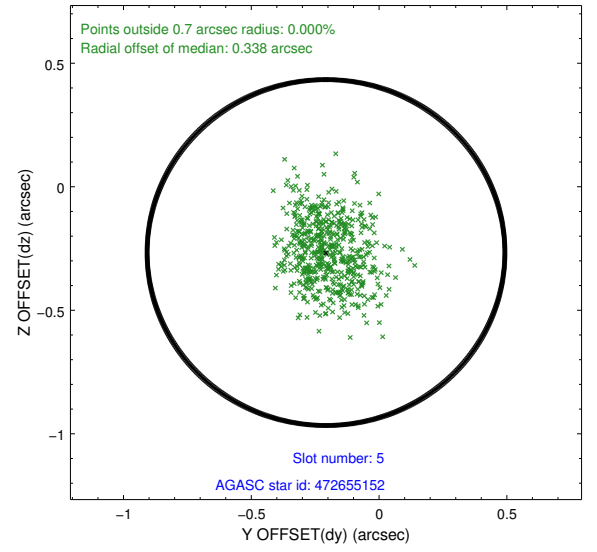
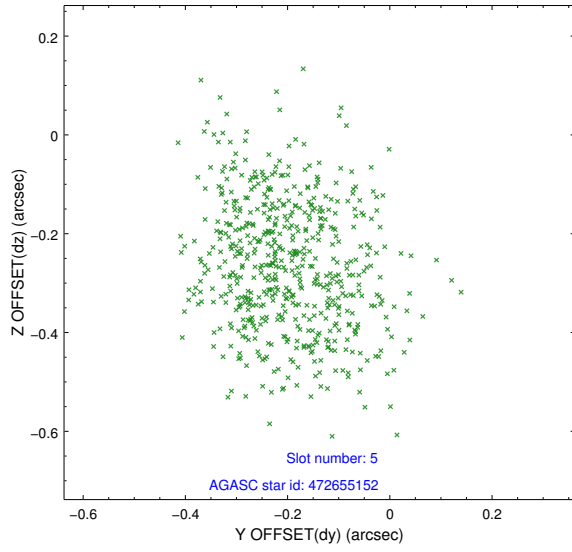
2.4.1 Slot 3



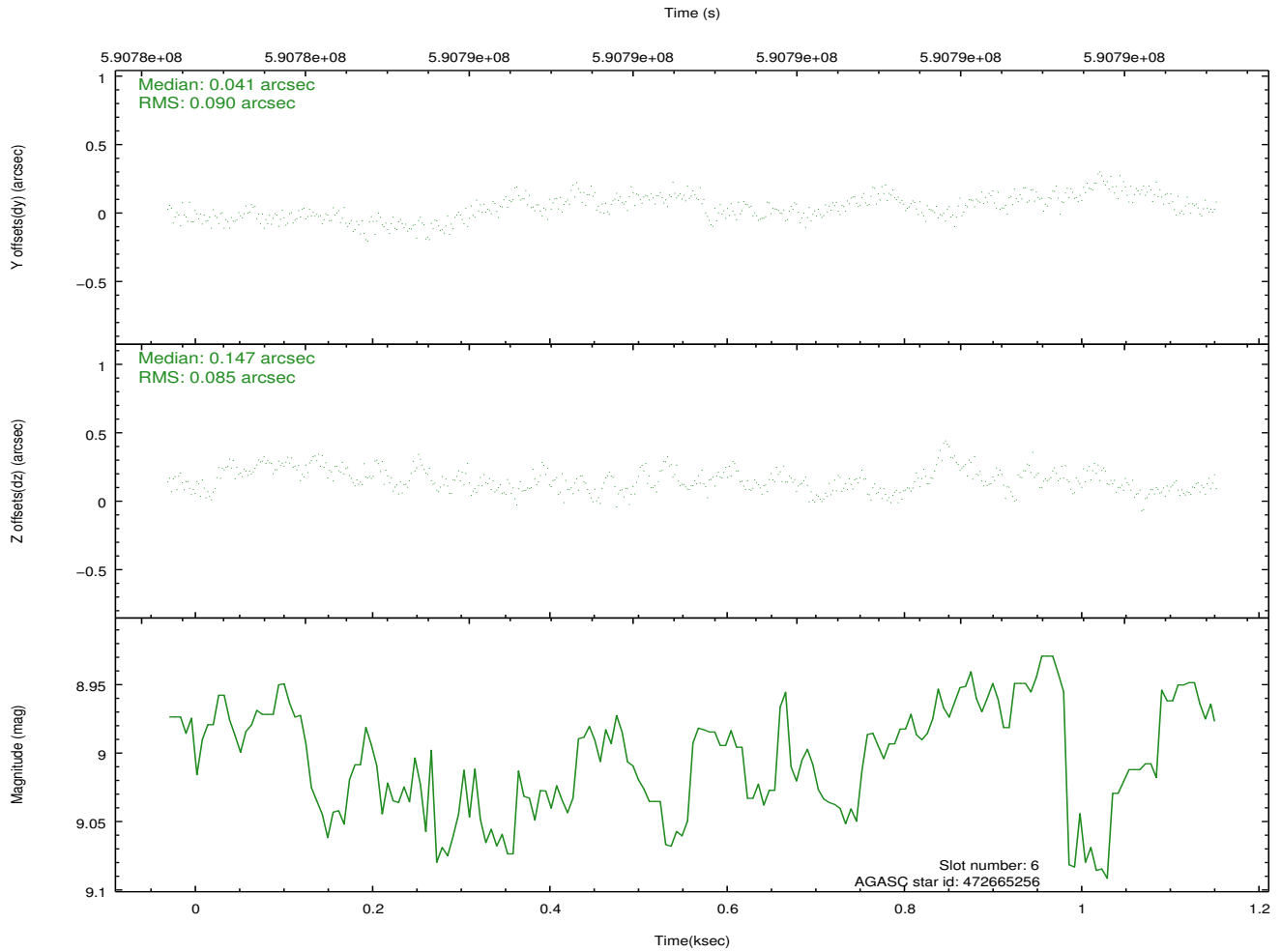
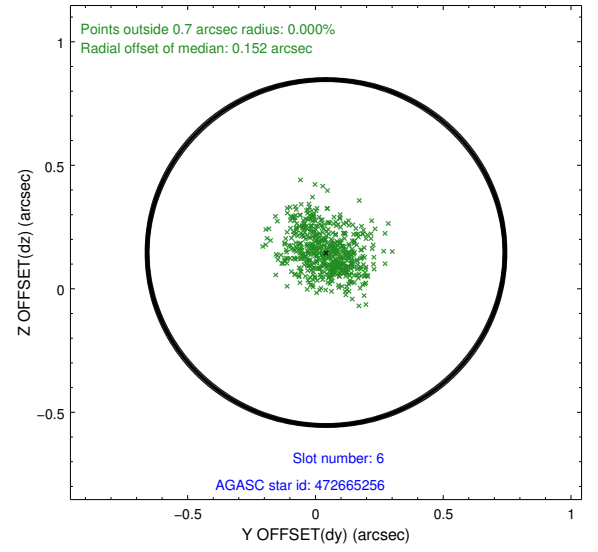
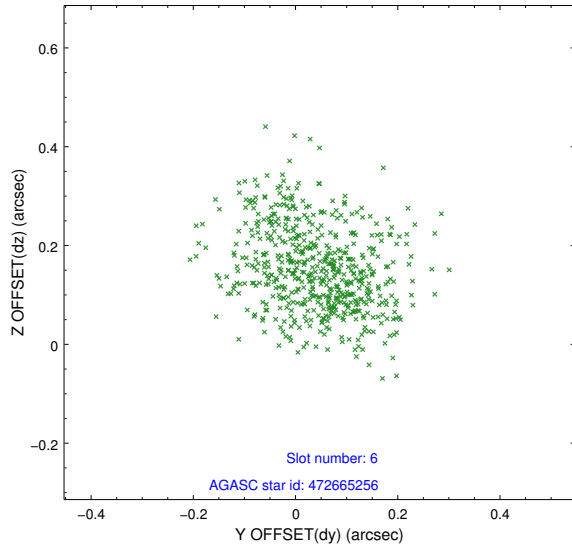
2.4.2 Slot 4



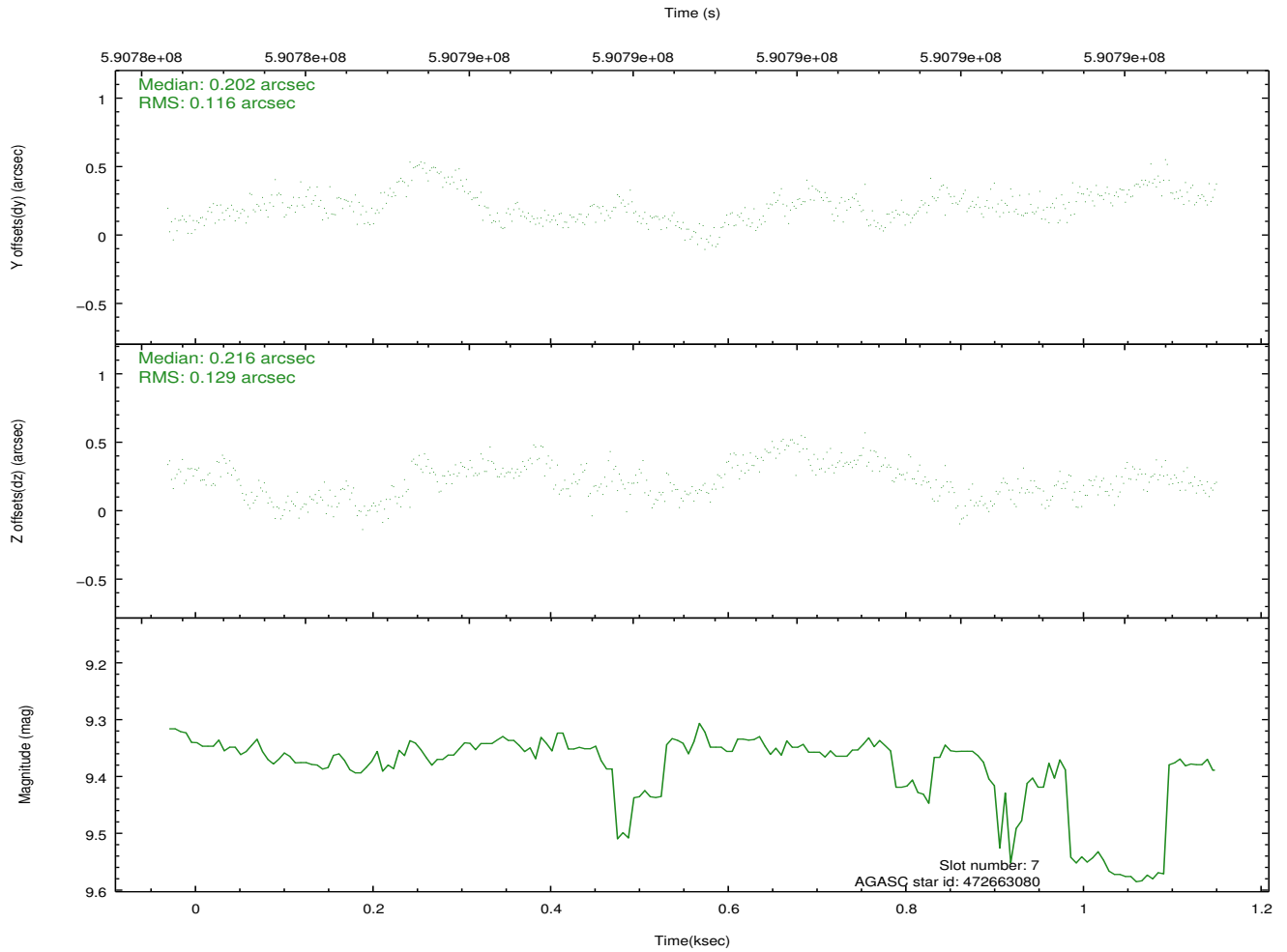
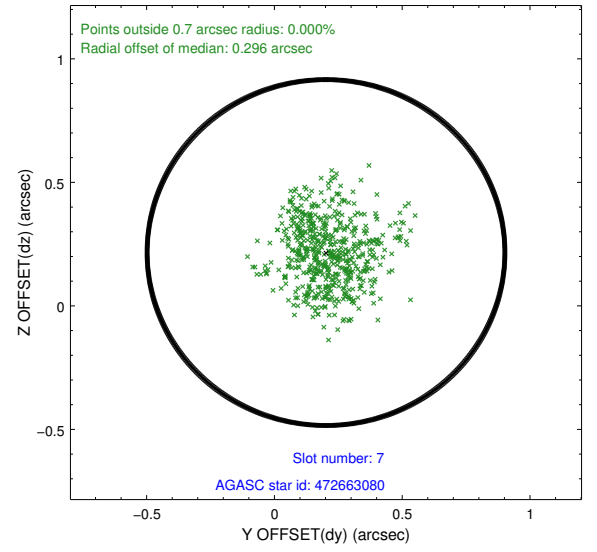
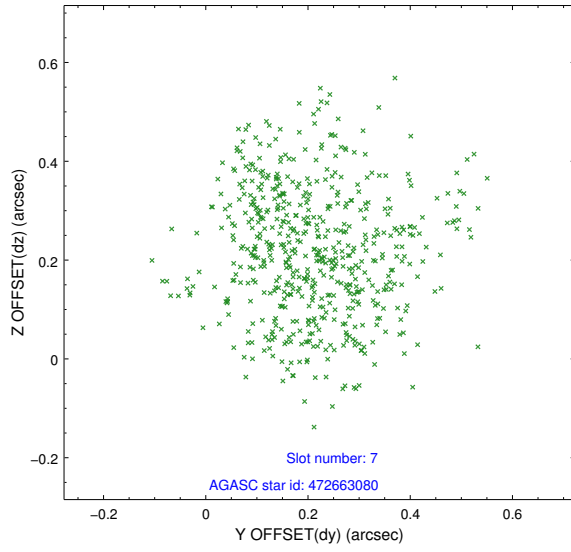
2.4.3 Slot 5



2.4.4 Slot 6

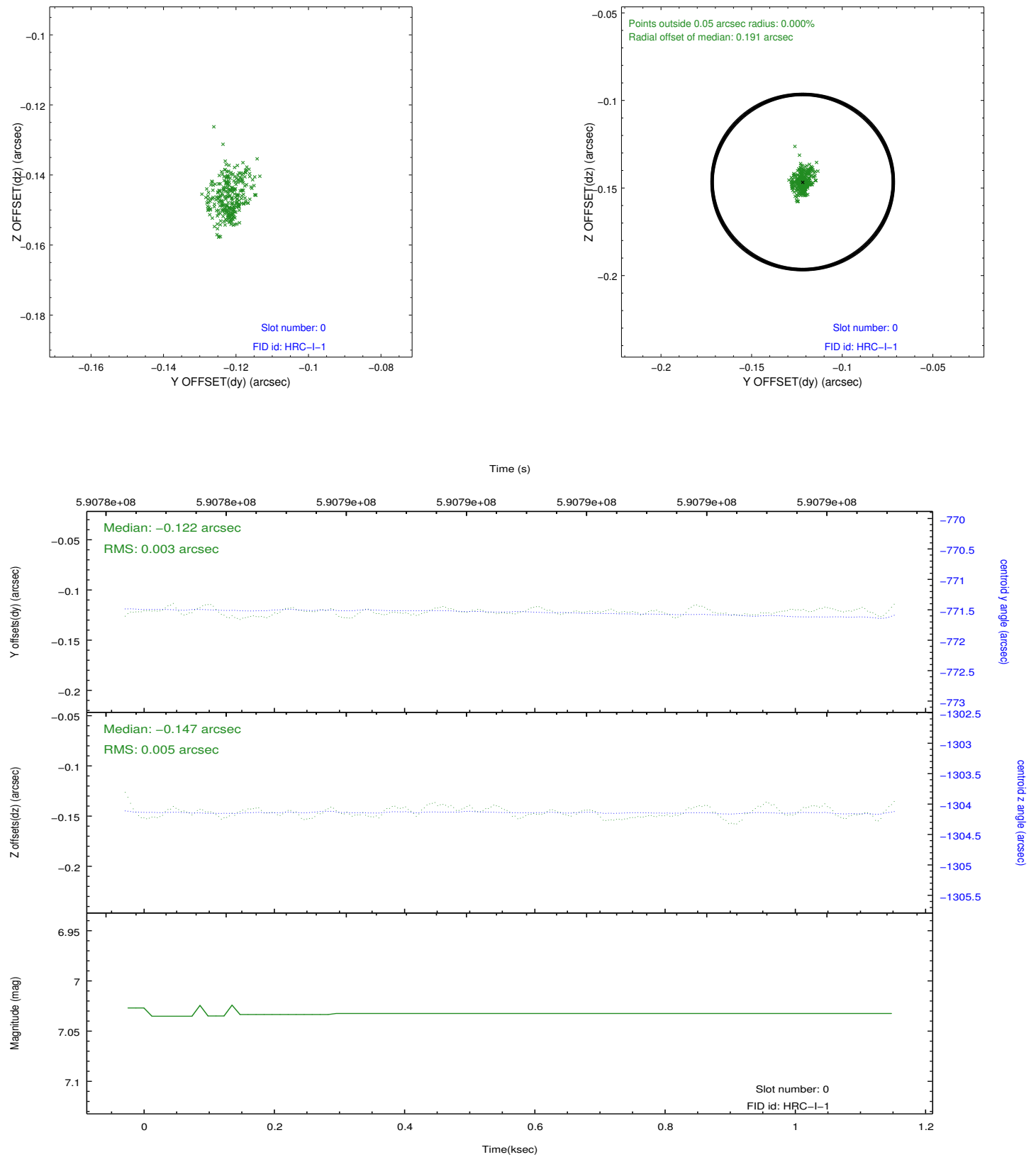


2.4.5 Slot 7

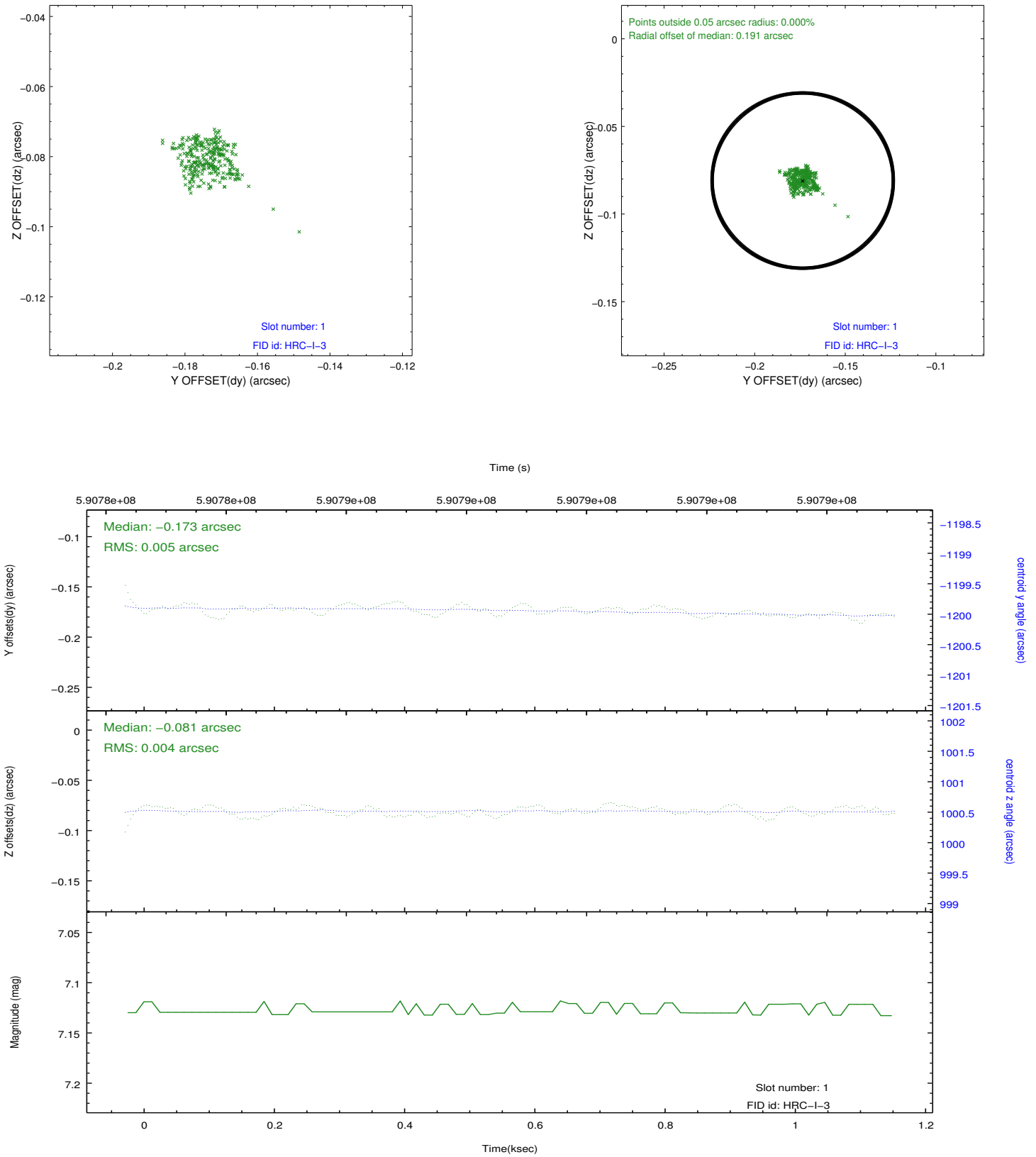


2.5 FID Slots

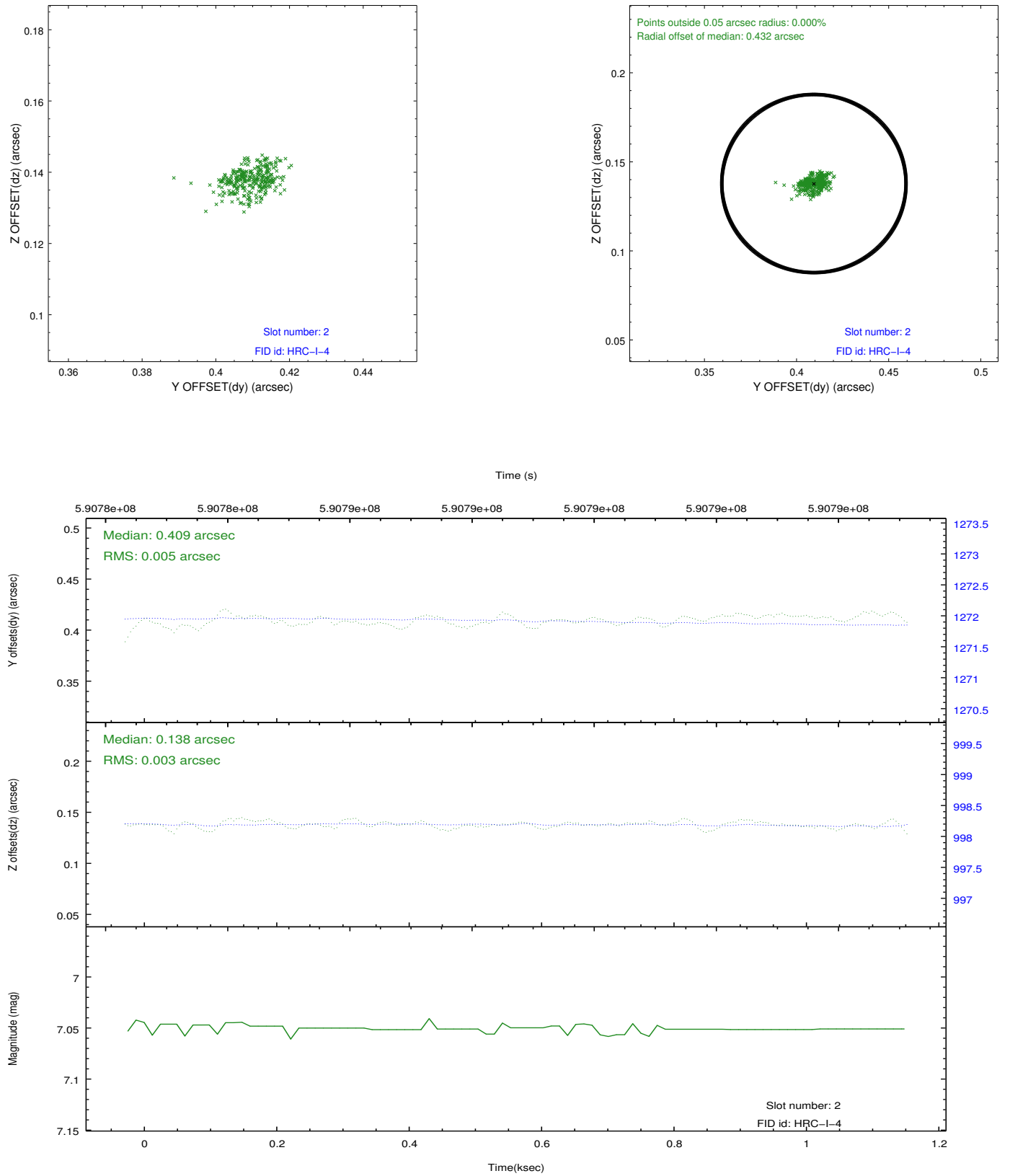
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1818250681162

A.2 Comments