

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21794 - L2 Version 1
Chandra X-Ray Center

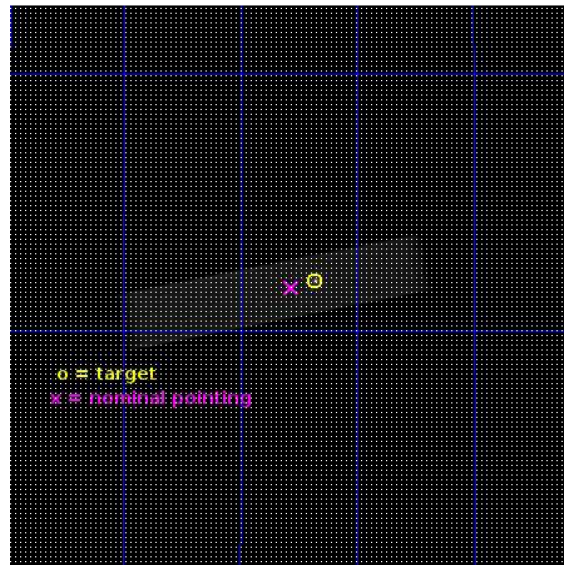
L2 Processing Date : Apr 4 2019

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1 Front

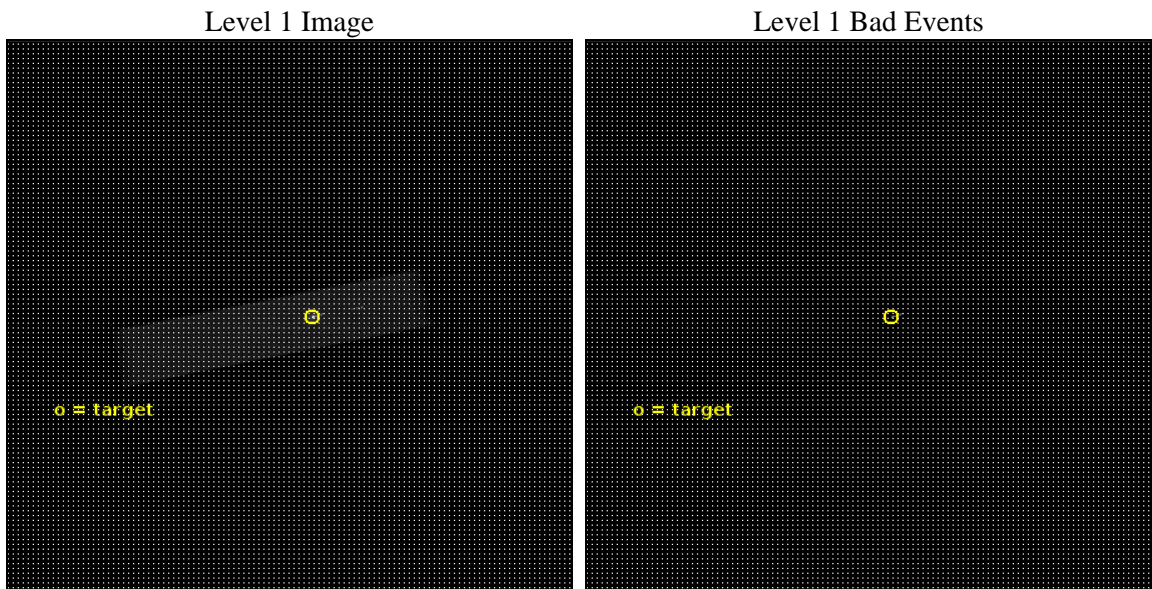
seq_num	291480	Sequence number
obs_id	21794	Observation id
title	AO-20 HRC-S Gain Calibration Observations of HZ43	Proposal title
observer	CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.090076	Observer's specified target RA [deg]
dec_targ	29.098119	Observer's specified target Dec [deg]
ra_nom	199.14064124415	Nominal RA [deg]
dec_nom	29.084275835477	Nominal Dec [deg]
roll_nom	168.12329700746	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2926.6314252615	[s]
livetime	2889.8580718996	Ontime multiplied by DTCOR
l2events	363689	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	2730.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	2926.6314252615	[s]
caldbver	4.8.2	 	l1events	439926	Number of level 1 events
date	2019-04-04T11:34:48	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

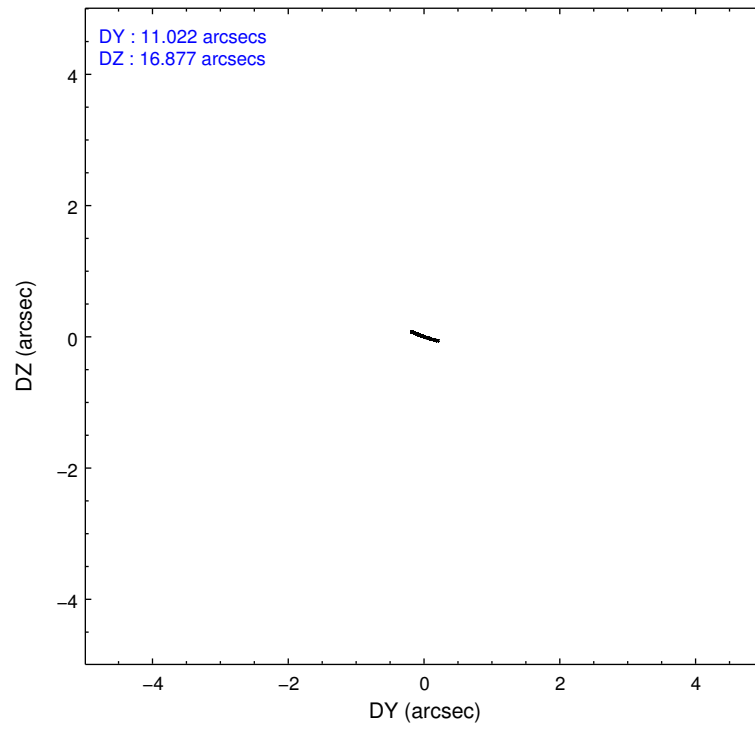
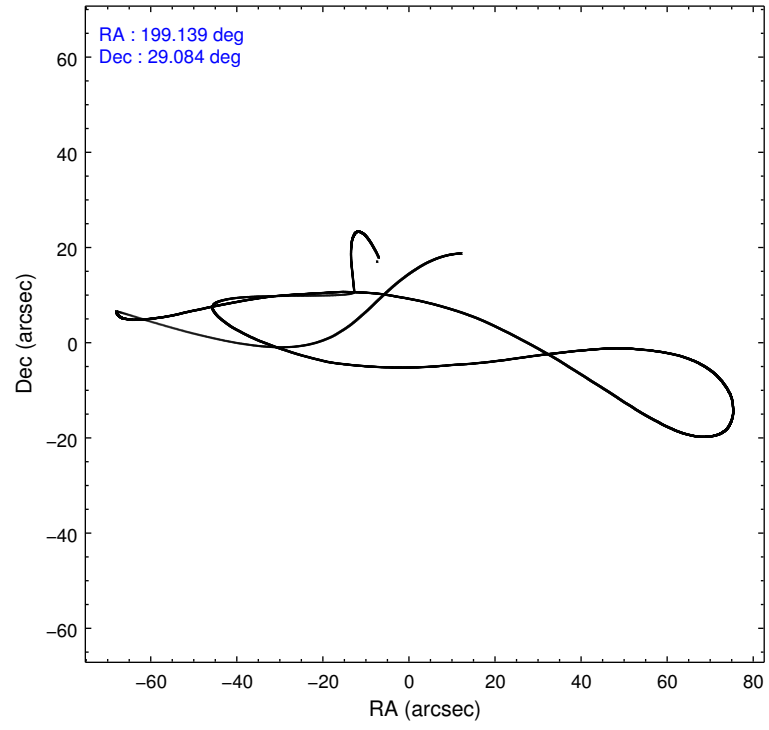
Level 1 Events

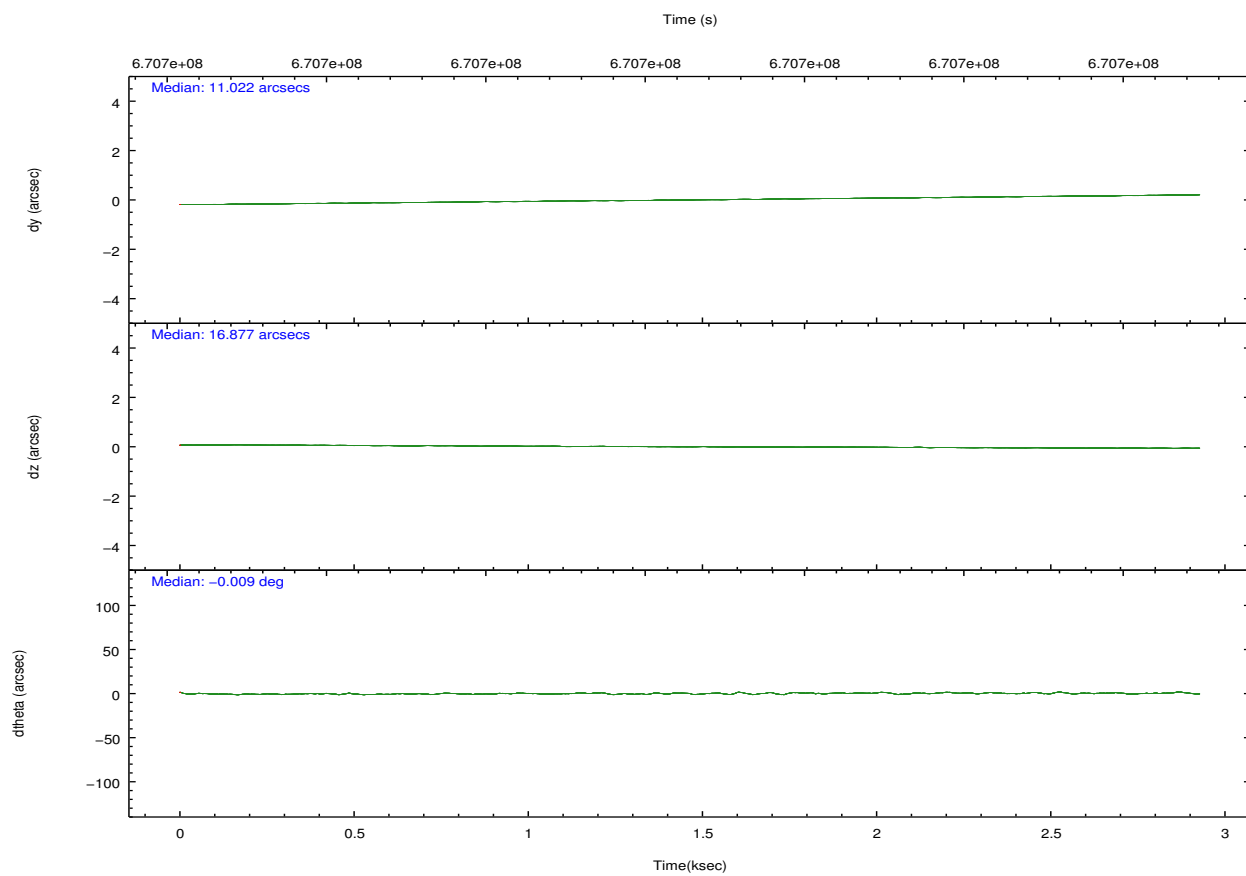
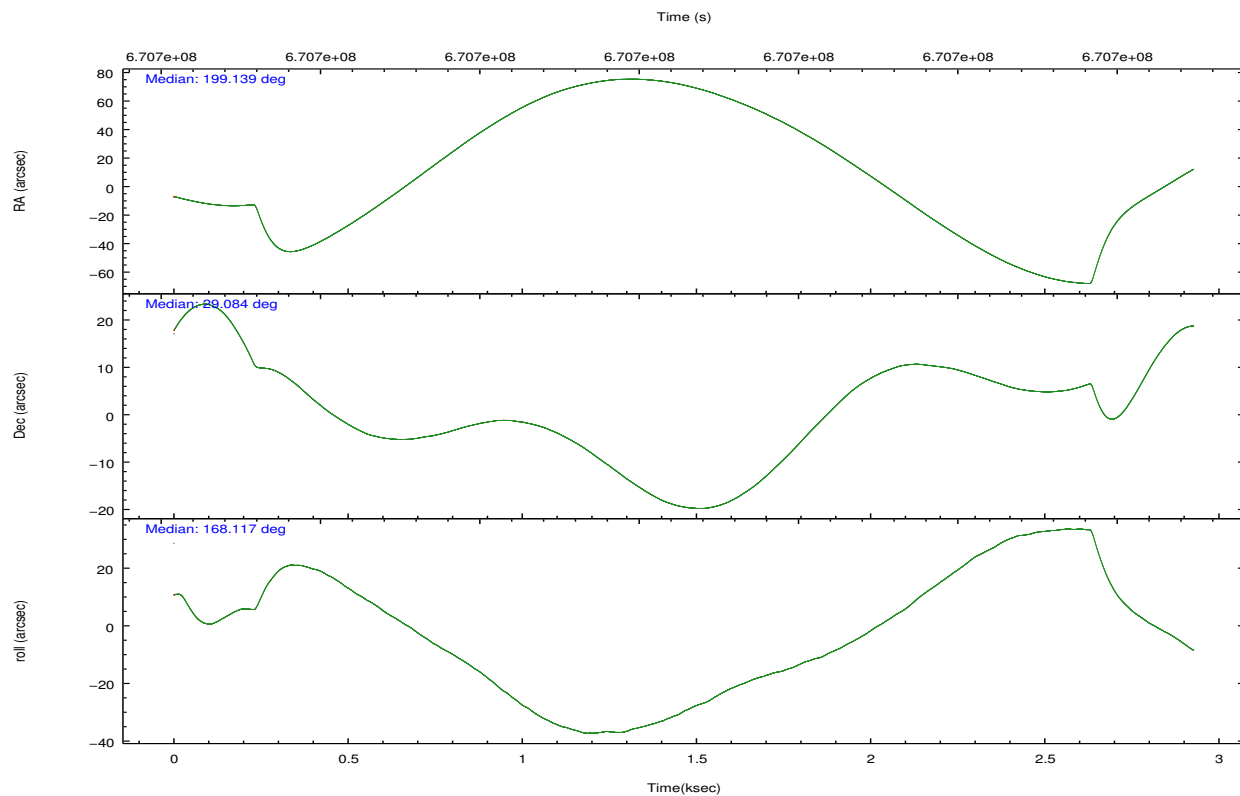
	segment 1	segment 2	segment 3
level 1 events	988	438053	885
rejected events	988	40913	885
rejected %	100%	9%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	199.170782	199.1406412441524			
[deg] Pointing Dec	29.094421	29.08427583547684			
[deg] Pointing Roll	168.041217	168.1232970074633			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	670695372.184000	670694996.5281301			
Observation start date	2019-04-03T16:15:03	2019-04-03T16:09:56			
[s] Observation end time (MET)	670698102.184000	670698236.5533299			
Observation end date	2019-04-03T17:00:33	2019-04-03T17:03:56			

2.3 Aspect



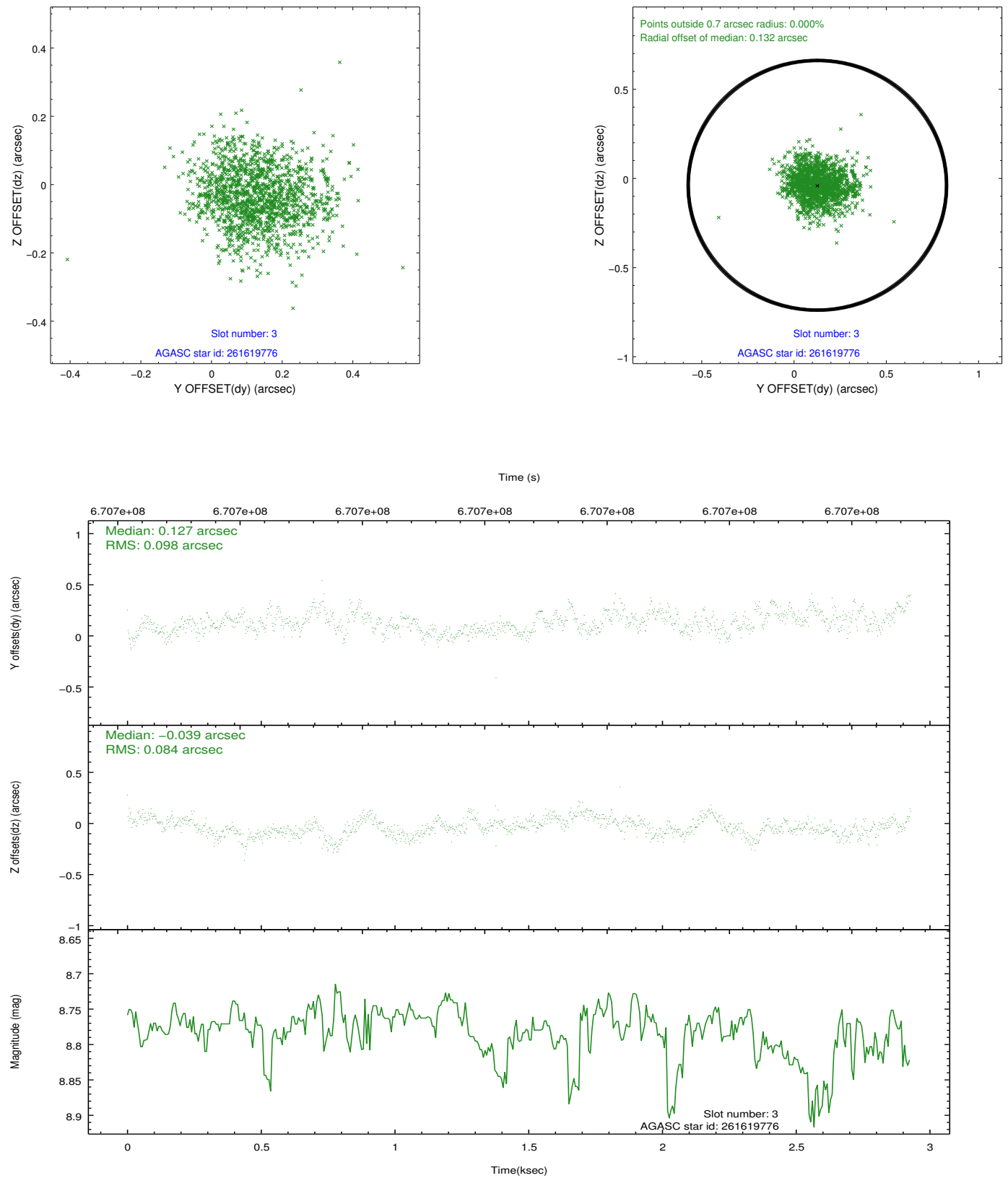


Slot Statistics

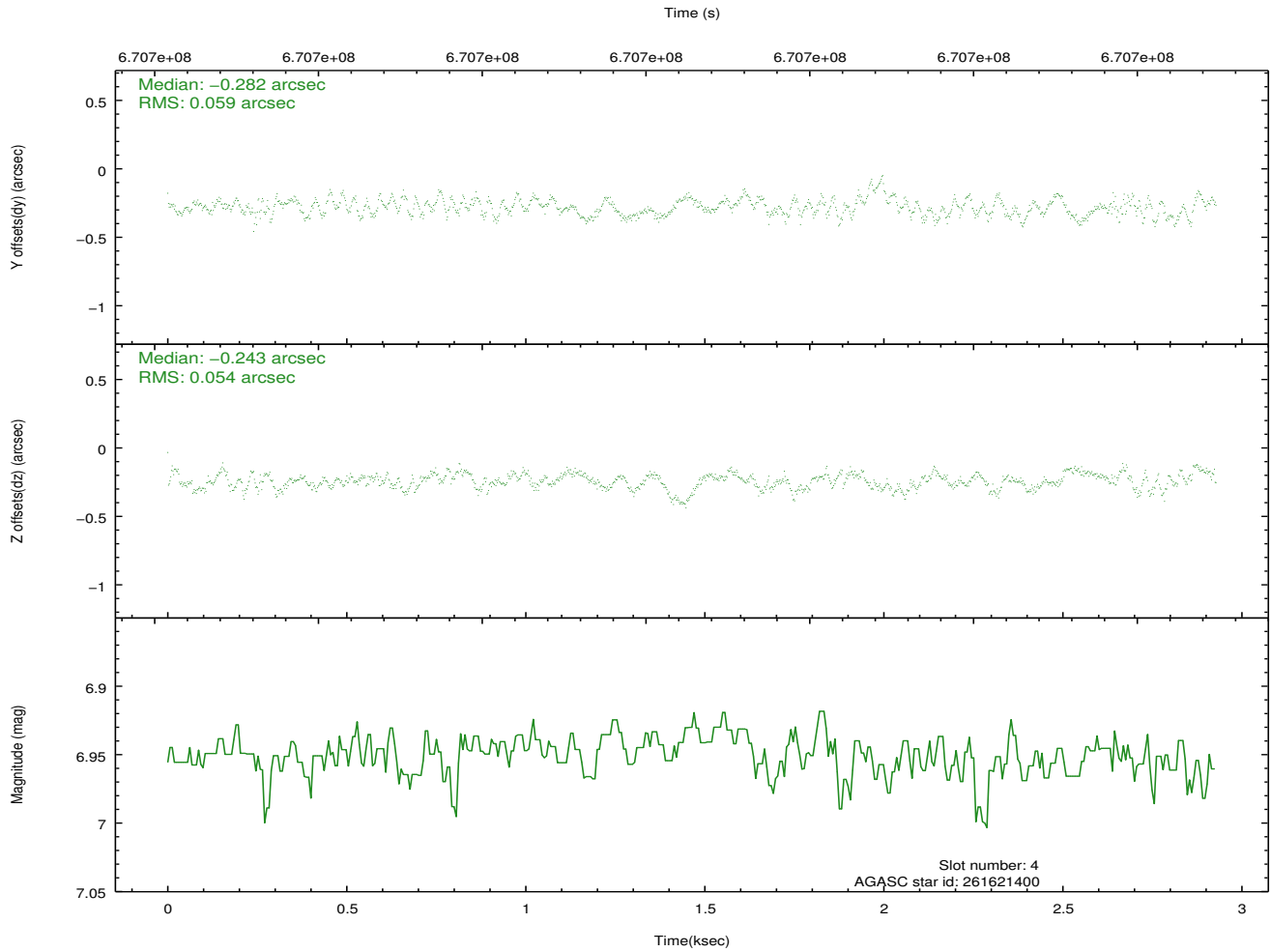
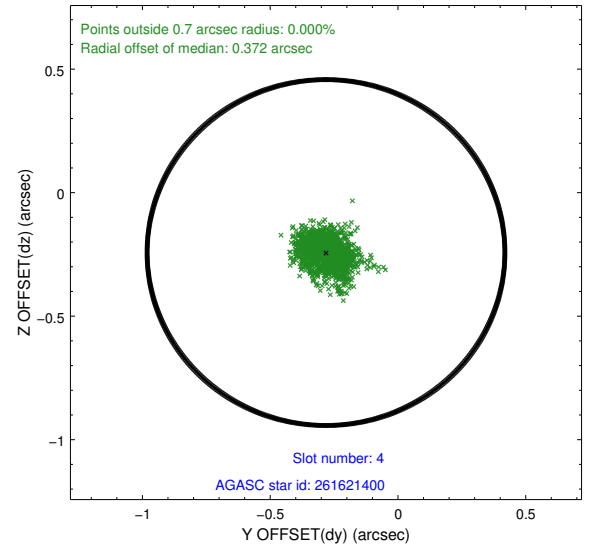
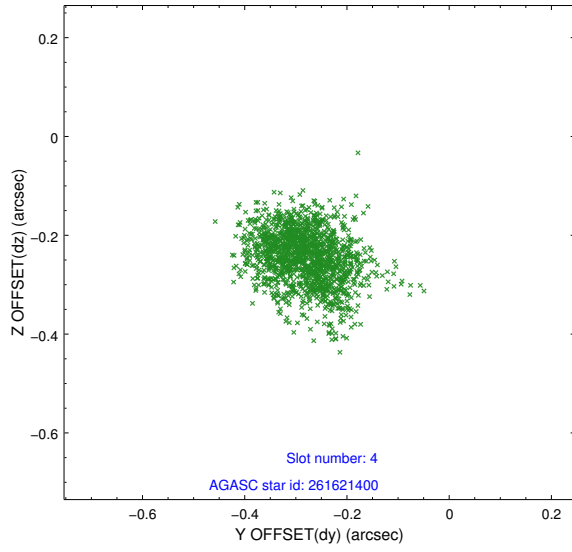
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.09	715	1.000	-0.097	-0.162	0.007	0.012	0.000000	0.000000	-1165.42	-465
1	FID		HRC-S-2	7.07	715	1.000	0.477	-0.151	0.010	0.015	0.000000	0.000000	1233.18	-458
2	FID		HRC-S-3	7.07	715	1.000	0.009	0.011	0.008	0.015	0.000000	0.000000	-1166.42	563
3	GUIDE	used	261619776	8.78	1428	1.000	0.127	-0.039	0.137	0.216	198.654383	29.401174	1815.50	-746
4	GUIDE	used	261621400	6.95	1429	1.000	-0.282	-0.243	0.085	0.138	198.901600	28.741982	572.44	1416
5	GUIDE	used	261623040	9.08	1422	1.000	0.111	0.004	0.180	0.296	198.792686	29.757643	1654.33	-2090
6	GUIDE	used	261624456	7.28	1429	1.000	-0.068	0.273	0.104	0.188	199.758056	28.567828	-2203.28	1463
7	GUIDE	used	261629720	8.09	1428	1.000	0.106	0.010	0.108	0.191	199.236176	29.044452	-237.31	135

2.4 Star Slots

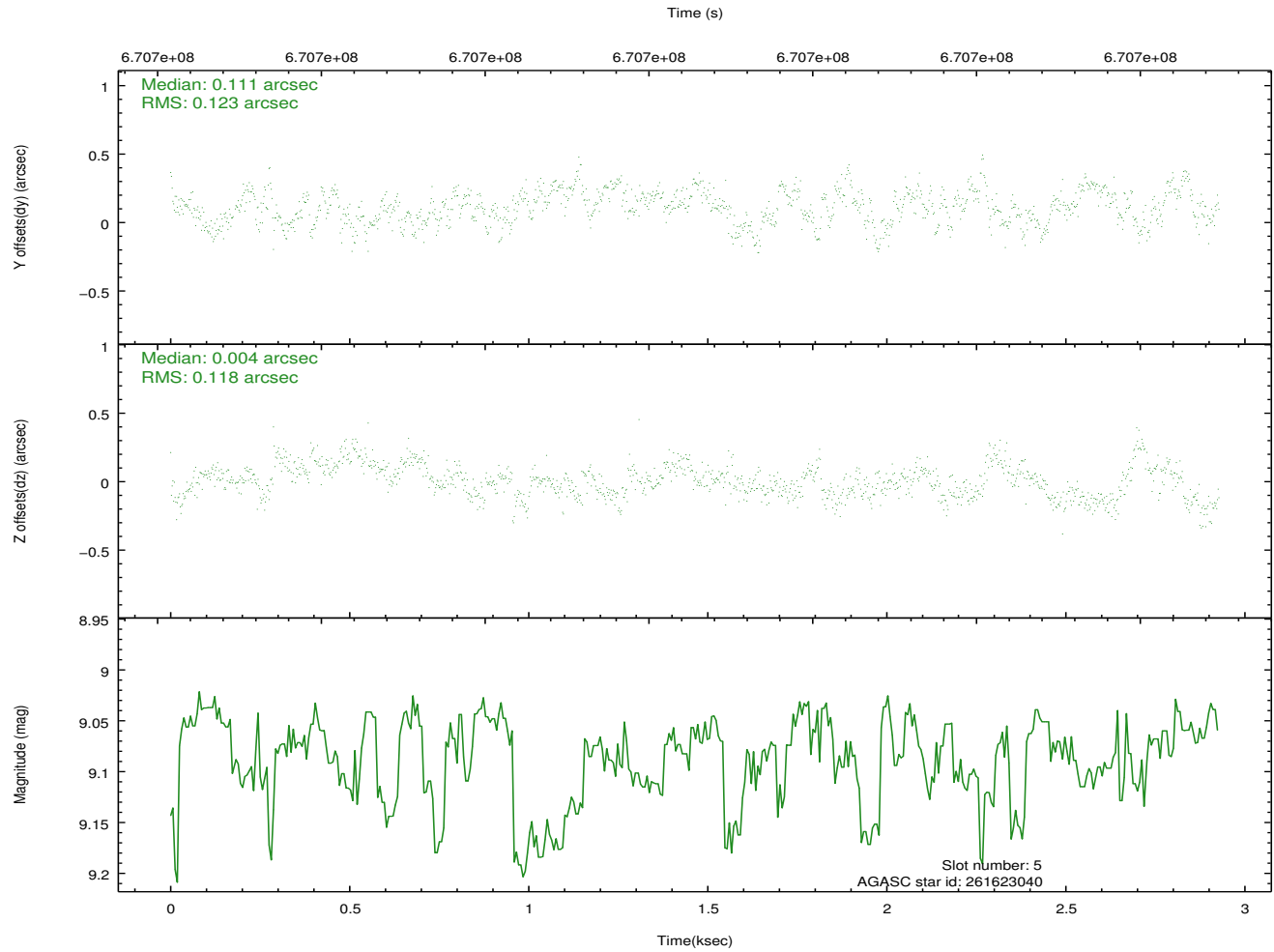
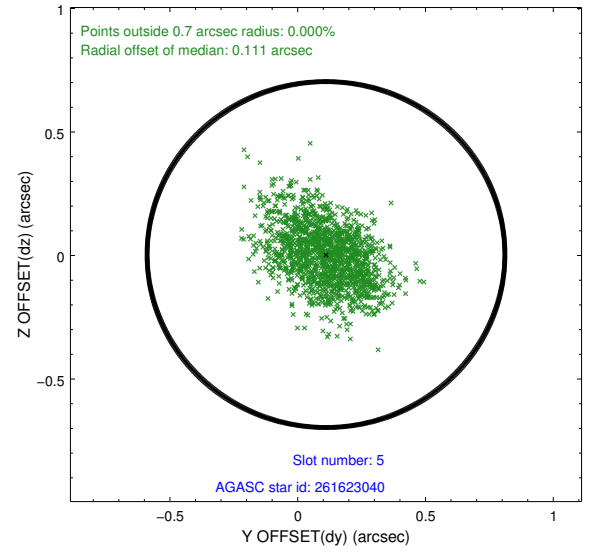
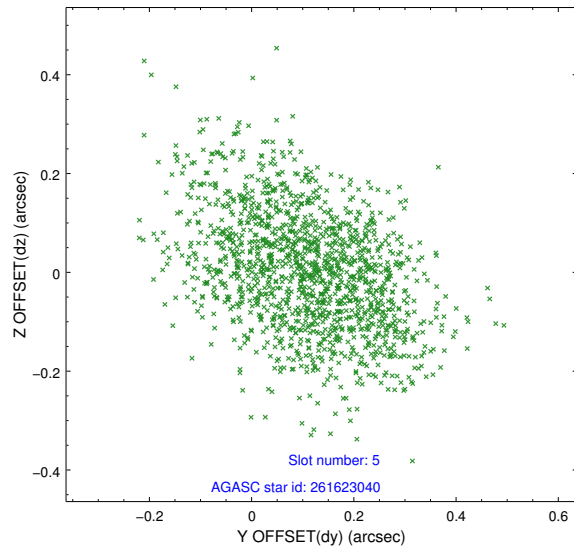
2.4.1 Slot 3



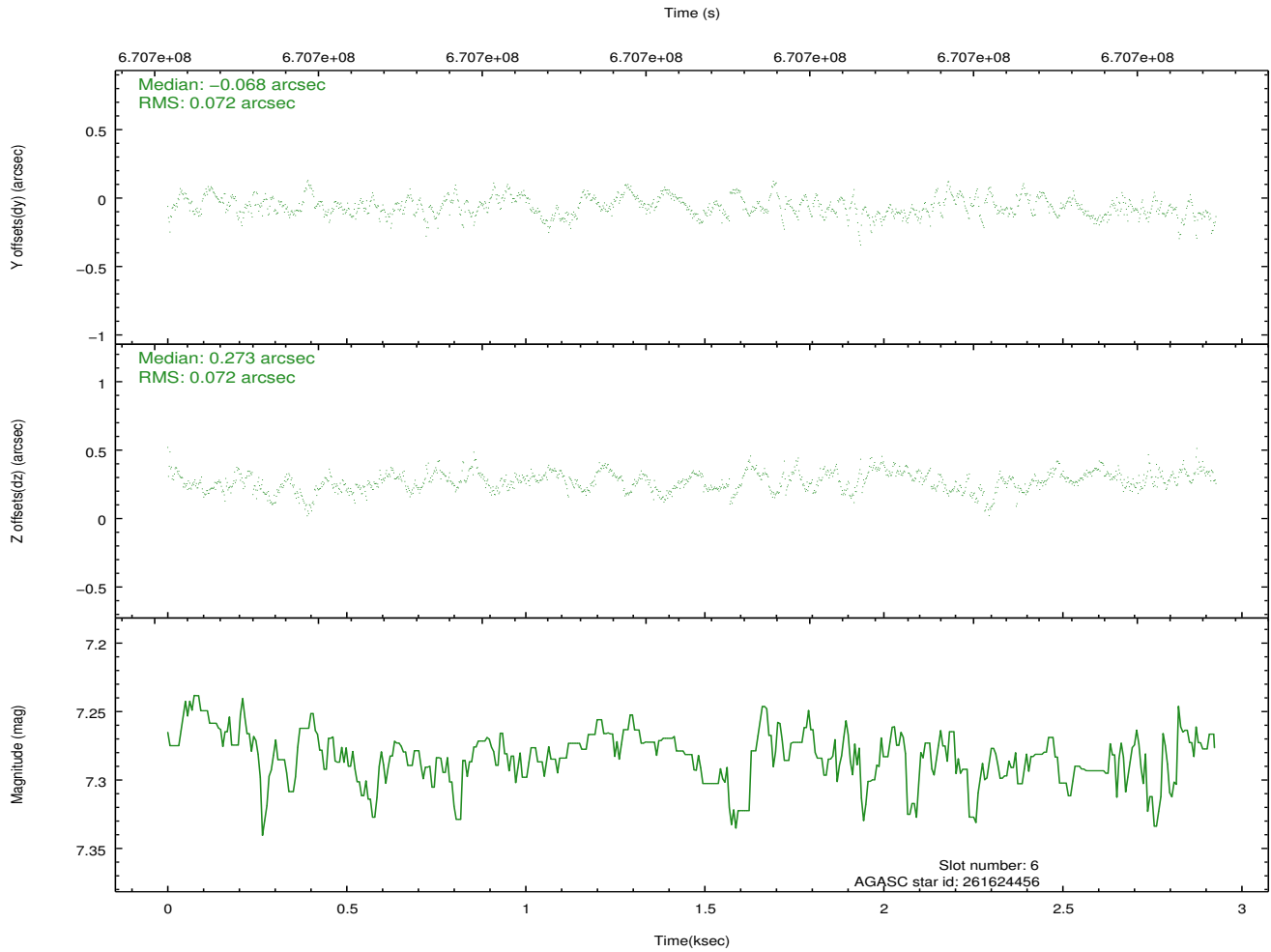
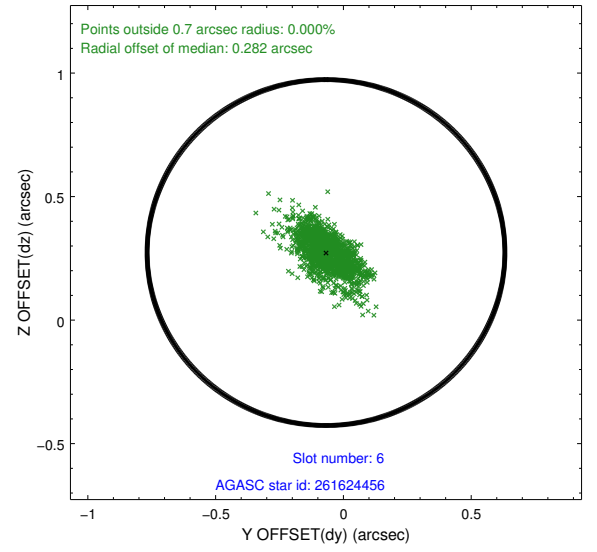
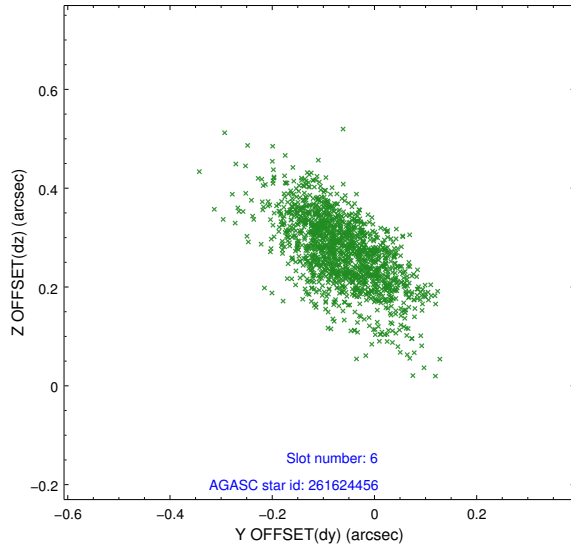
2.4.2 Slot 4



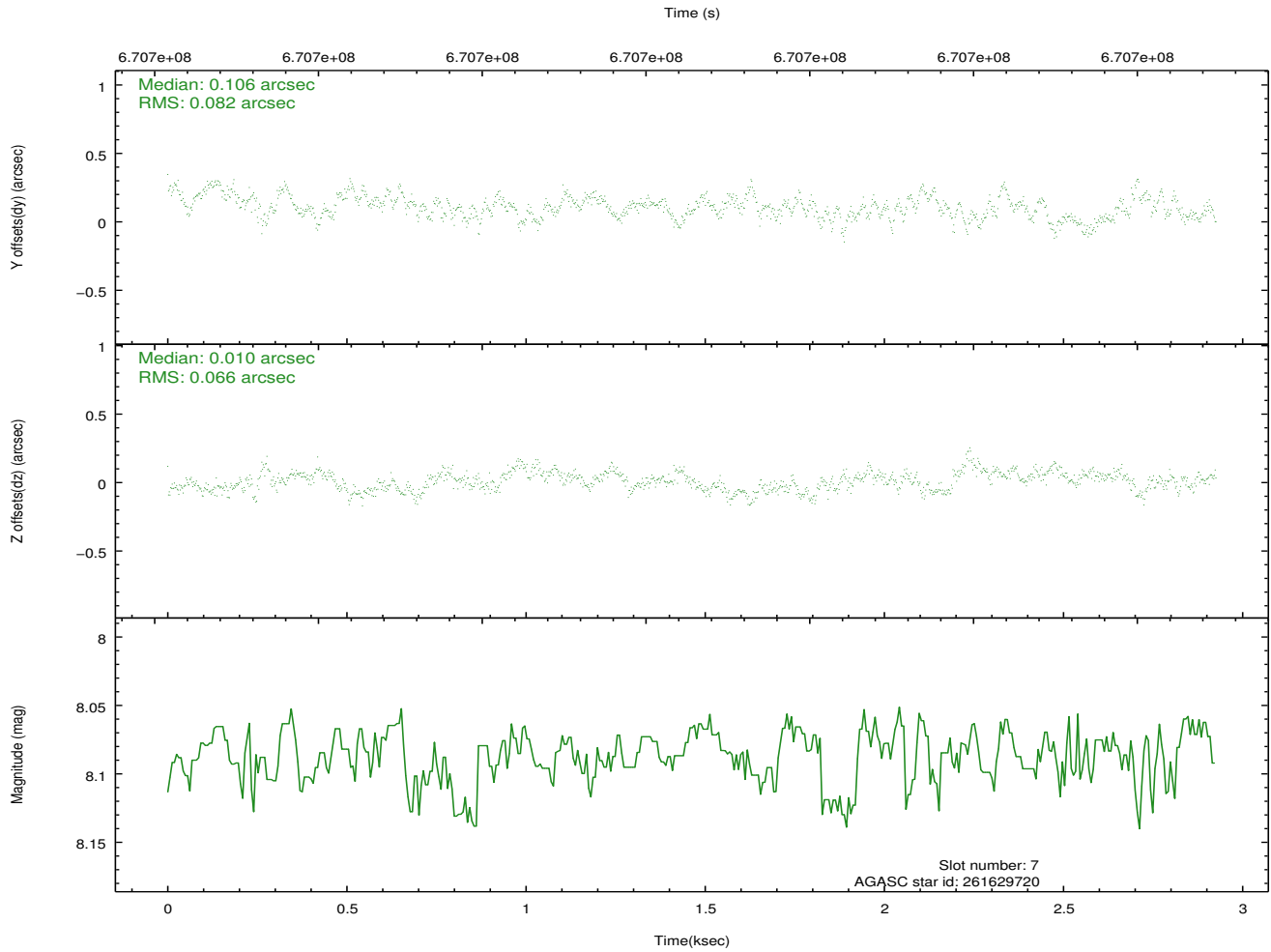
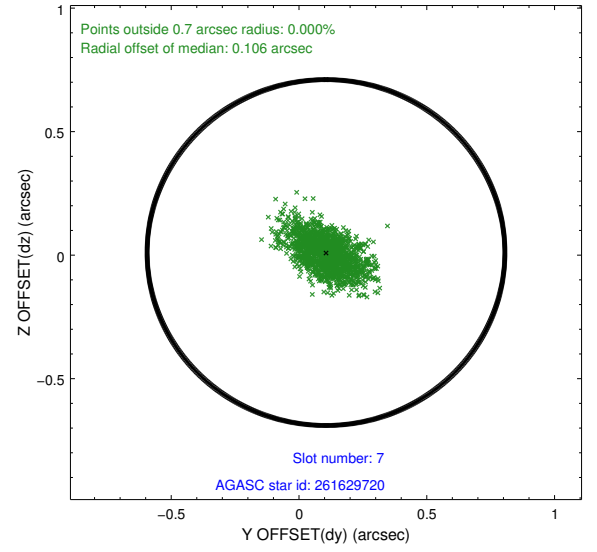
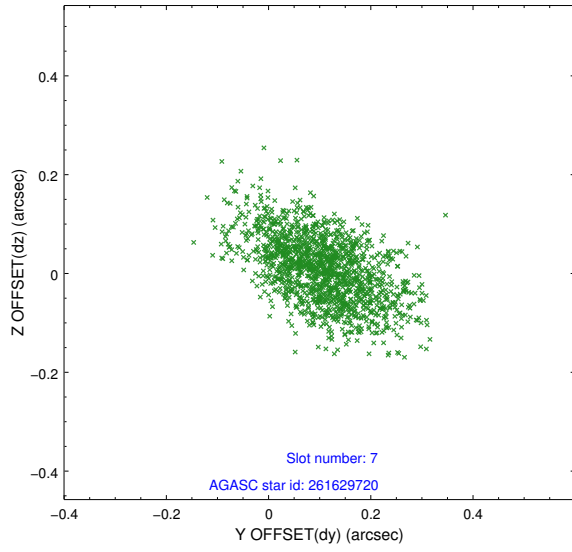
2.4.3 Slot 5



2.4.4 Slot 6

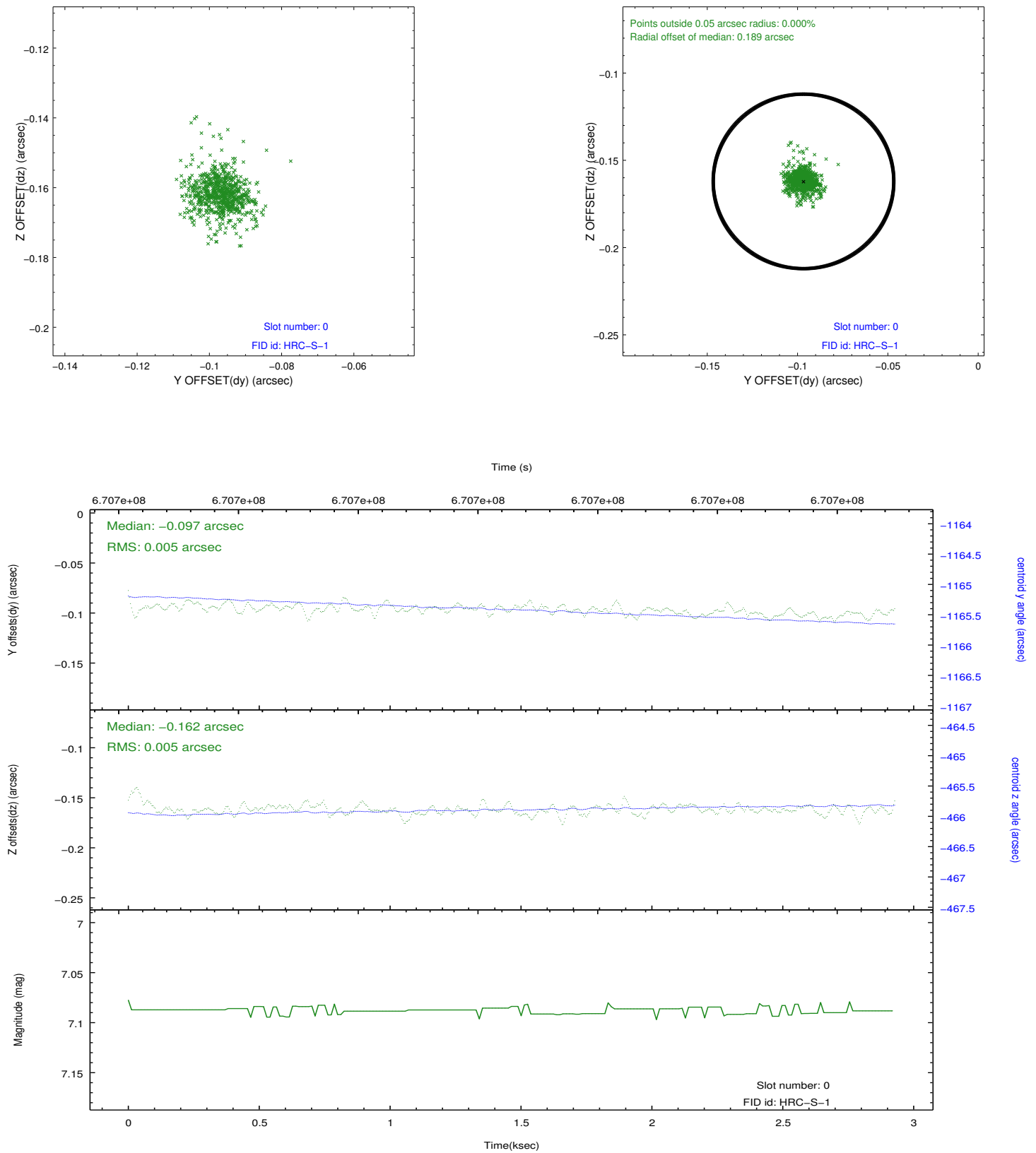


2.4.5 Slot 7

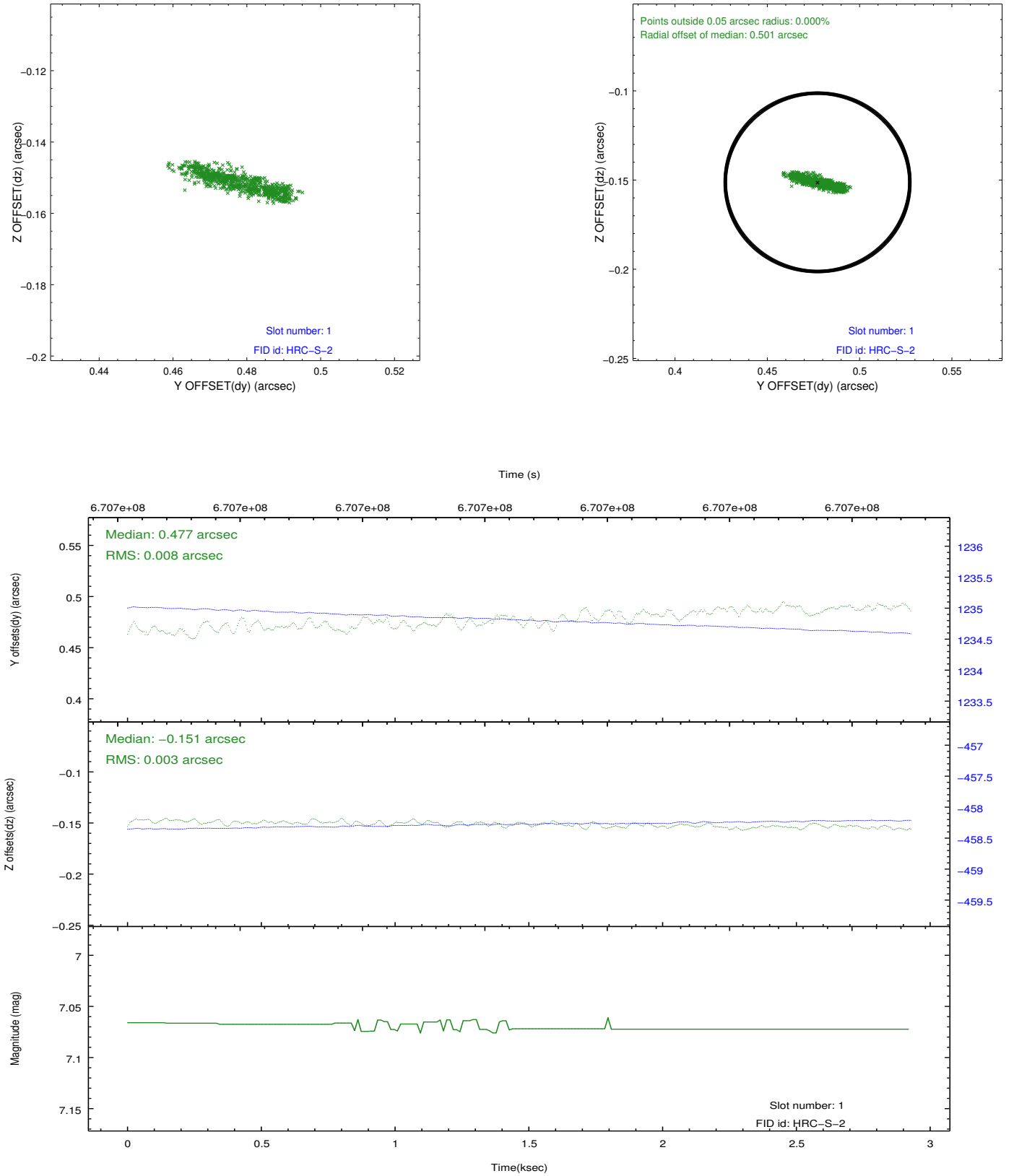


2.5 FID Slots

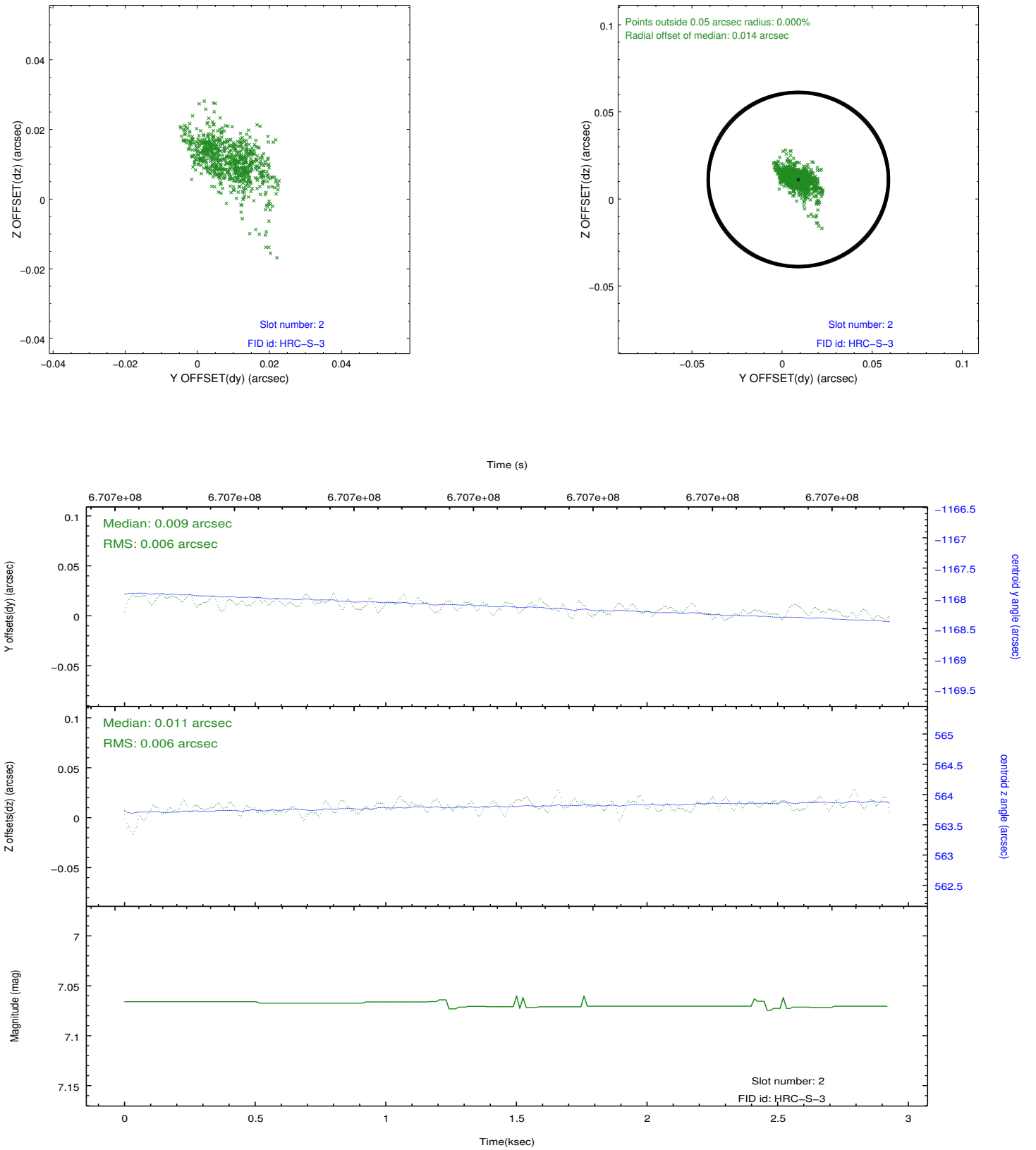
2.5.1 Slot 0



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)	2019.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9266314252615

A.2 Comments