

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16378 - L2 Version 1
Chandra X-Ray Center

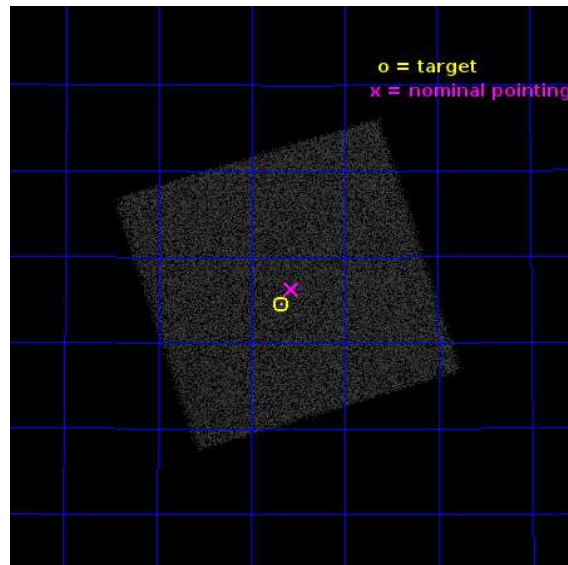
L2 Processing Date : Sep 16 2014

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1 Front

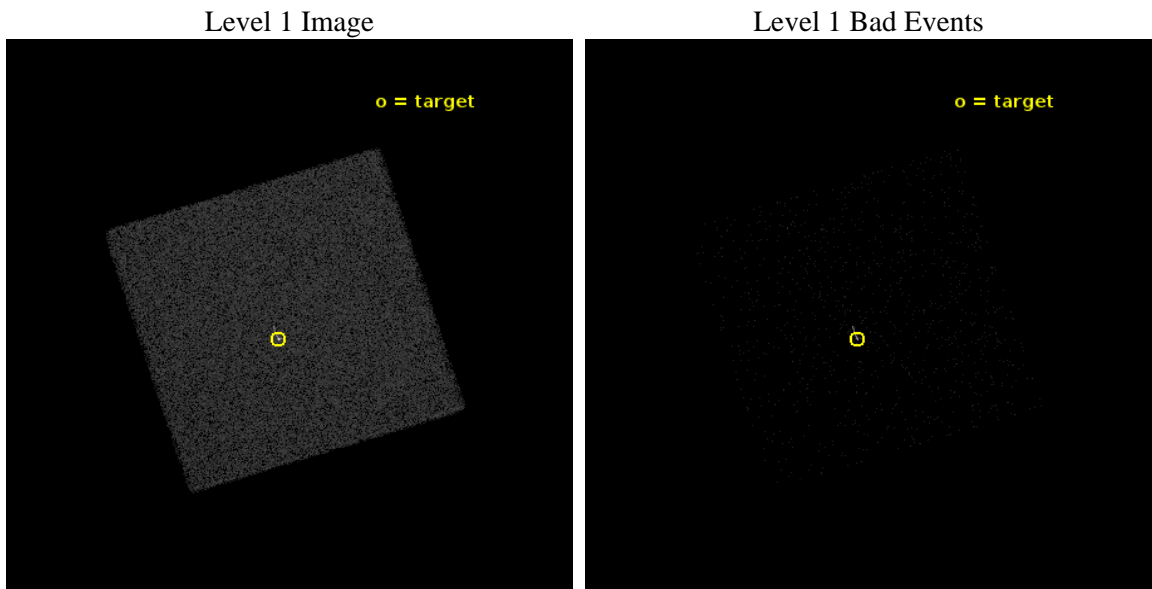
seq_num	291150	Sequence number
obs_id	16378	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14242193066	Nominal RA [deg]
dec_nom	45.770757275199	Nominal Dec [deg]
roll_nom	207.46169429061	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313156486	[s]
livetime	1174.7867345861	Ontime multiplied by DTCOR
l2events	75673	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	10.2.4	Processing system revision	ontime	1184.1313156486	[s]
caldsver	4.6.3	 	l1events	127546	Number of level 1 events
date	2014-09-16T19:56:07	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

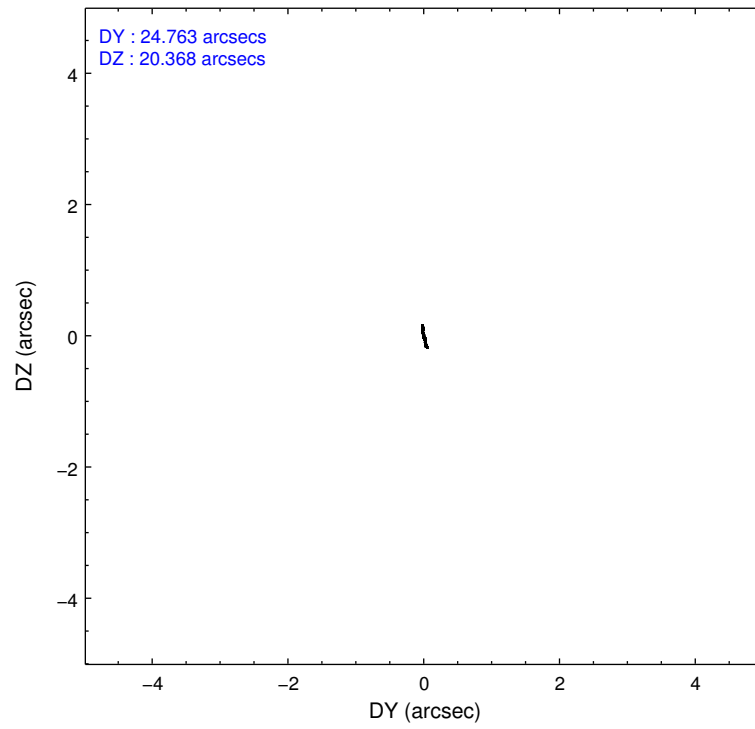
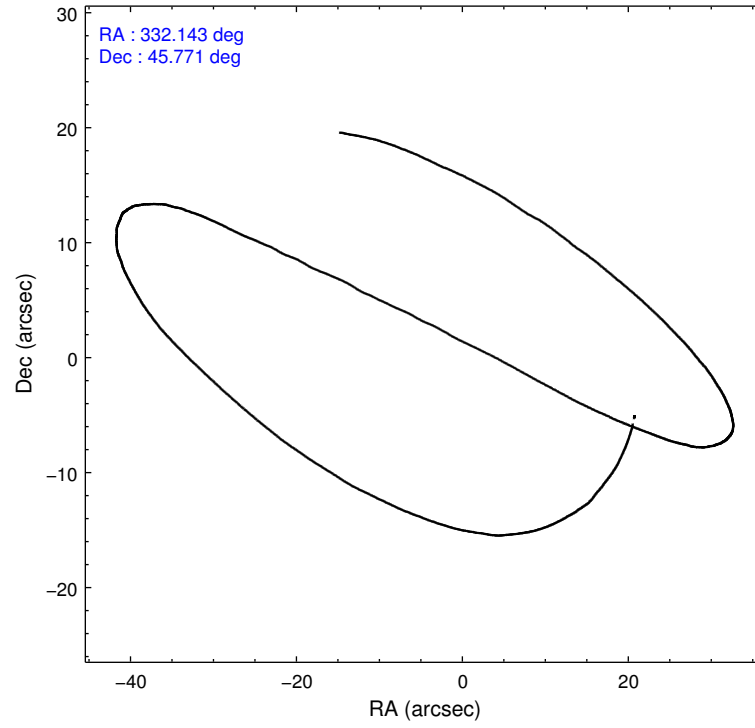
Level 1 Events

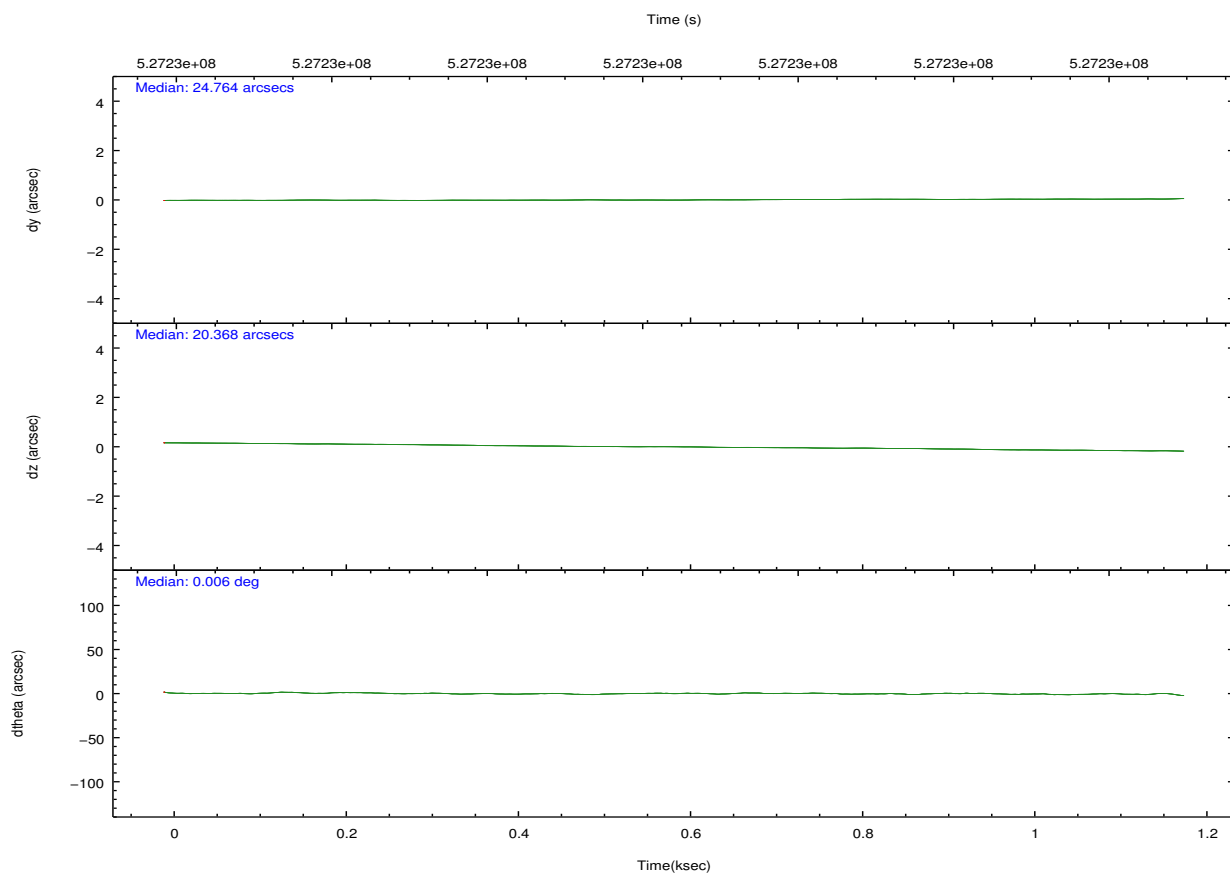
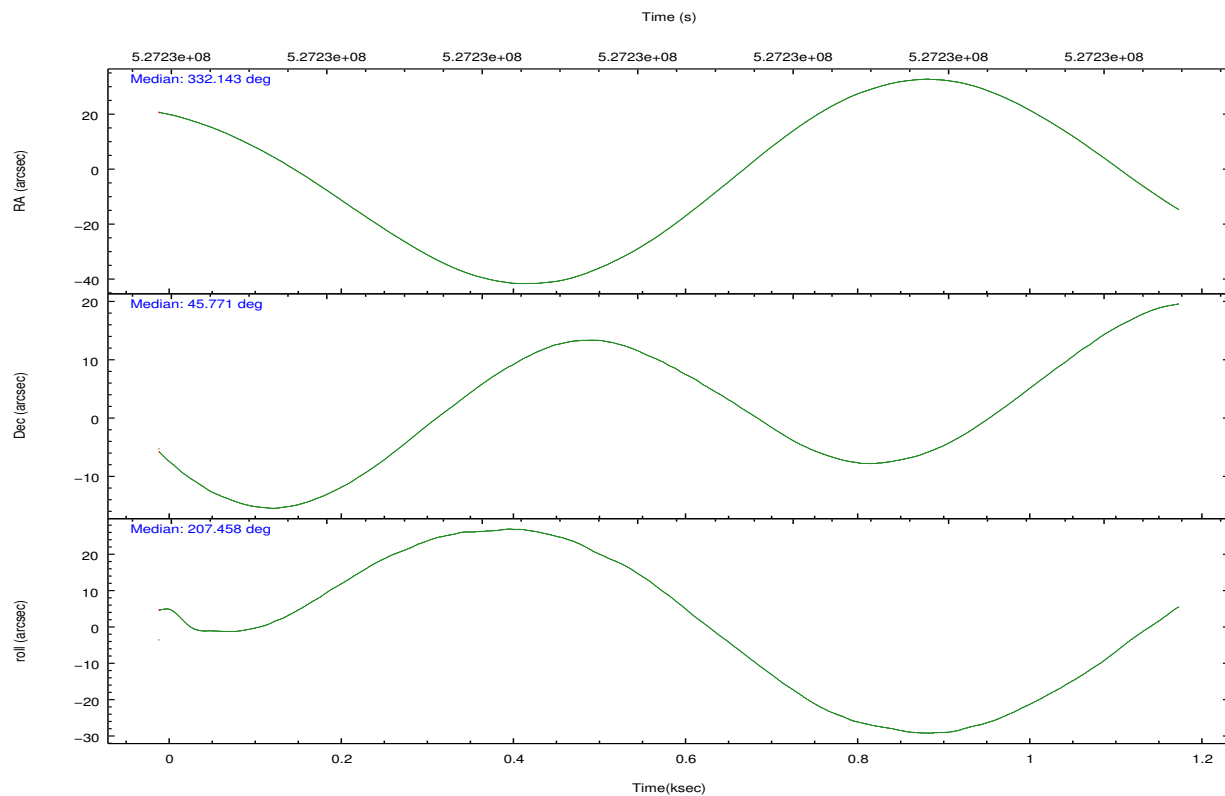
	segment 0
level 1 events	127546
rejected events	27441
rejected %	21%

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	332.162093	332.1424219306625			
[deg] Pointing Dec	45.794694	45.770757275199			
[deg] Pointing Roll	207.542911	207.4616942906112			
[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)	527226221.184000	527225845.57581			
Observation start date	2014-09-16T03:42:34	2014-09-16T03:37:25			
[s] Observation end time (MET)	527227221.184000	527227355.40089			
Observation end date	2014-09-16T03:59:14	2014-09-16T04:02:35			

2.3 Aspect



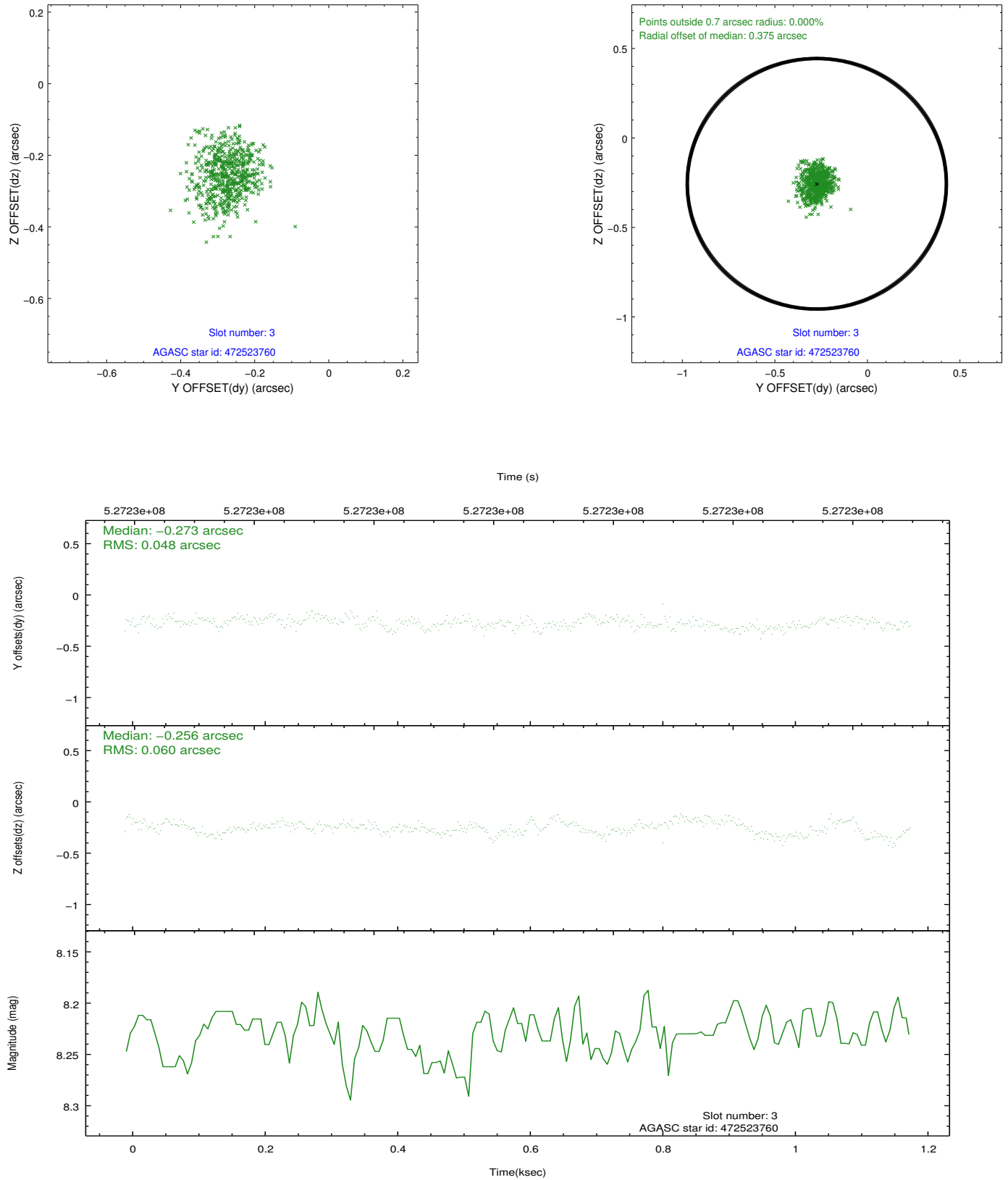


Slot Statistics

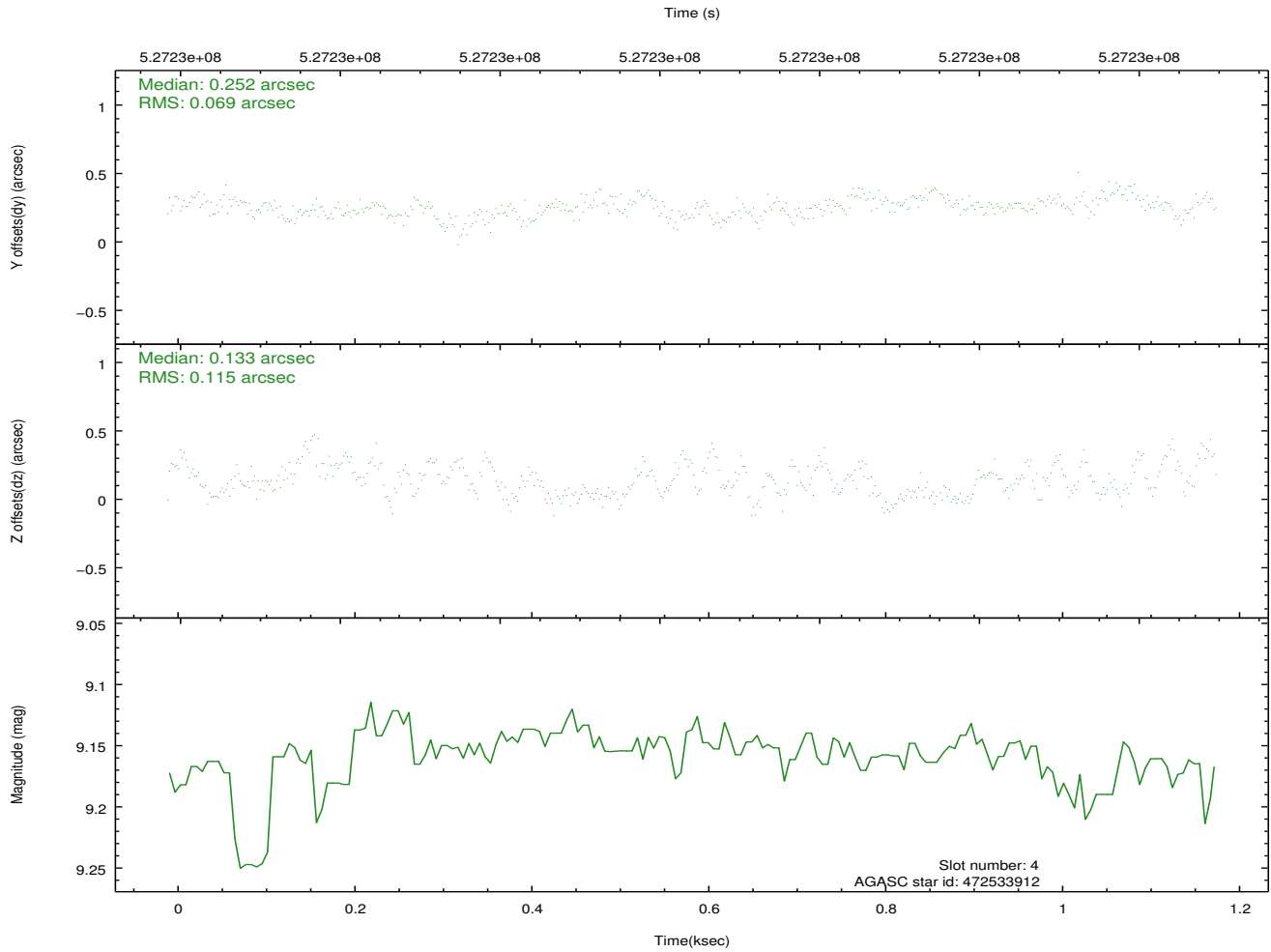
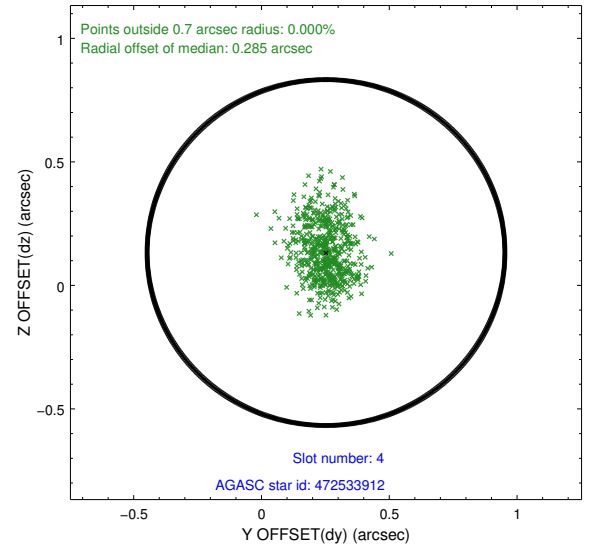
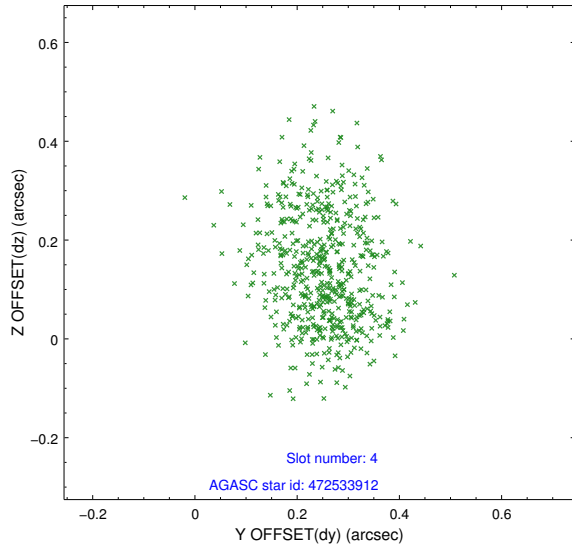
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	290	-0.141	0.005	0.008	0.013	0.000000	0.000000	-780.92	-1308.63
1	FID	HRC-I-2	7.06	290	0.253	-0.076	0.007	0.013	0.000000	0.000000	829.41	-1314.73
2	FID	HRC-I-3	7.11	289	0.006	-0.018	0.006	0.012	0.000000	0.000000	-1206.49	991.34
3	GUIDE	472523760	8.23	578	-0.273	-0.256	0.083	0.129	331.645363	45.403260	1808.45	639.40
4	GUIDE	472533912	9.16	578	0.252	0.133	0.141	0.234	331.791136	46.368695	-135.09	-2261.20
5	GUIDE	472655152	9.40	578	-0.029	-0.276	0.182	0.280	332.504239	45.862991	-874.50	170.72
6	GUIDE	472665256	8.99	579	0.231	0.162	0.095	0.167	332.808125	46.195041	-2097.24	-541.21
7	GUIDE	472535576	7.86	578	-0.187	0.213	0.083	0.162	331.438373	46.291802	762.21	-2429.45

2.4 Star Slots

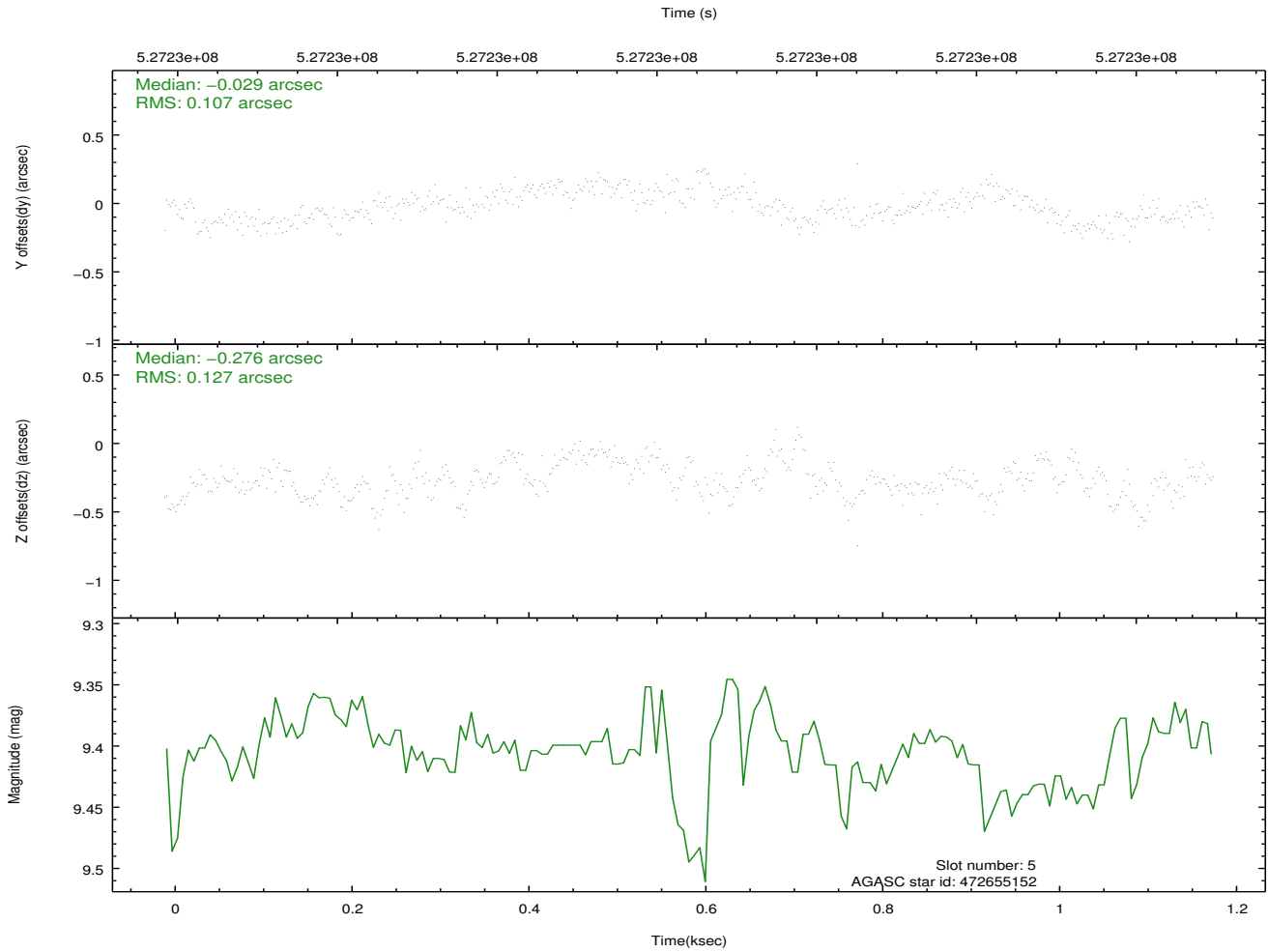
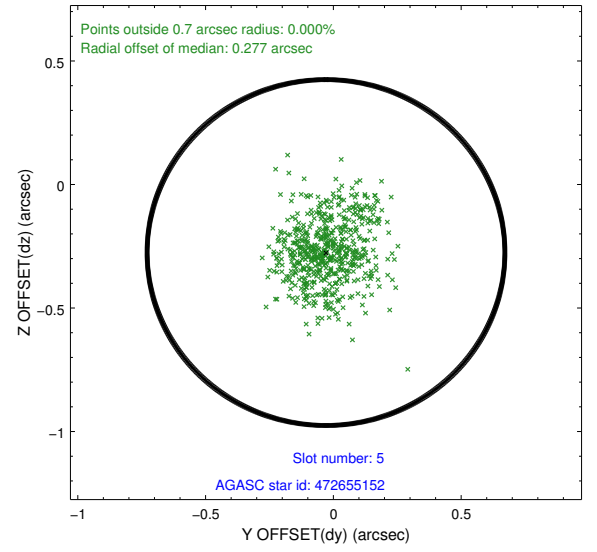
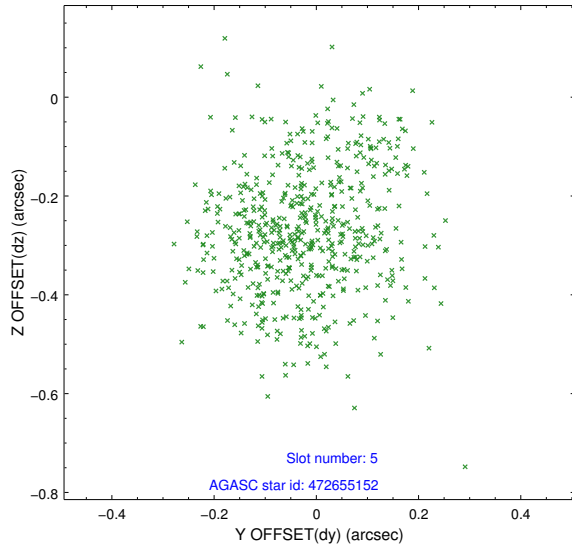
2.4.1 Slot 3



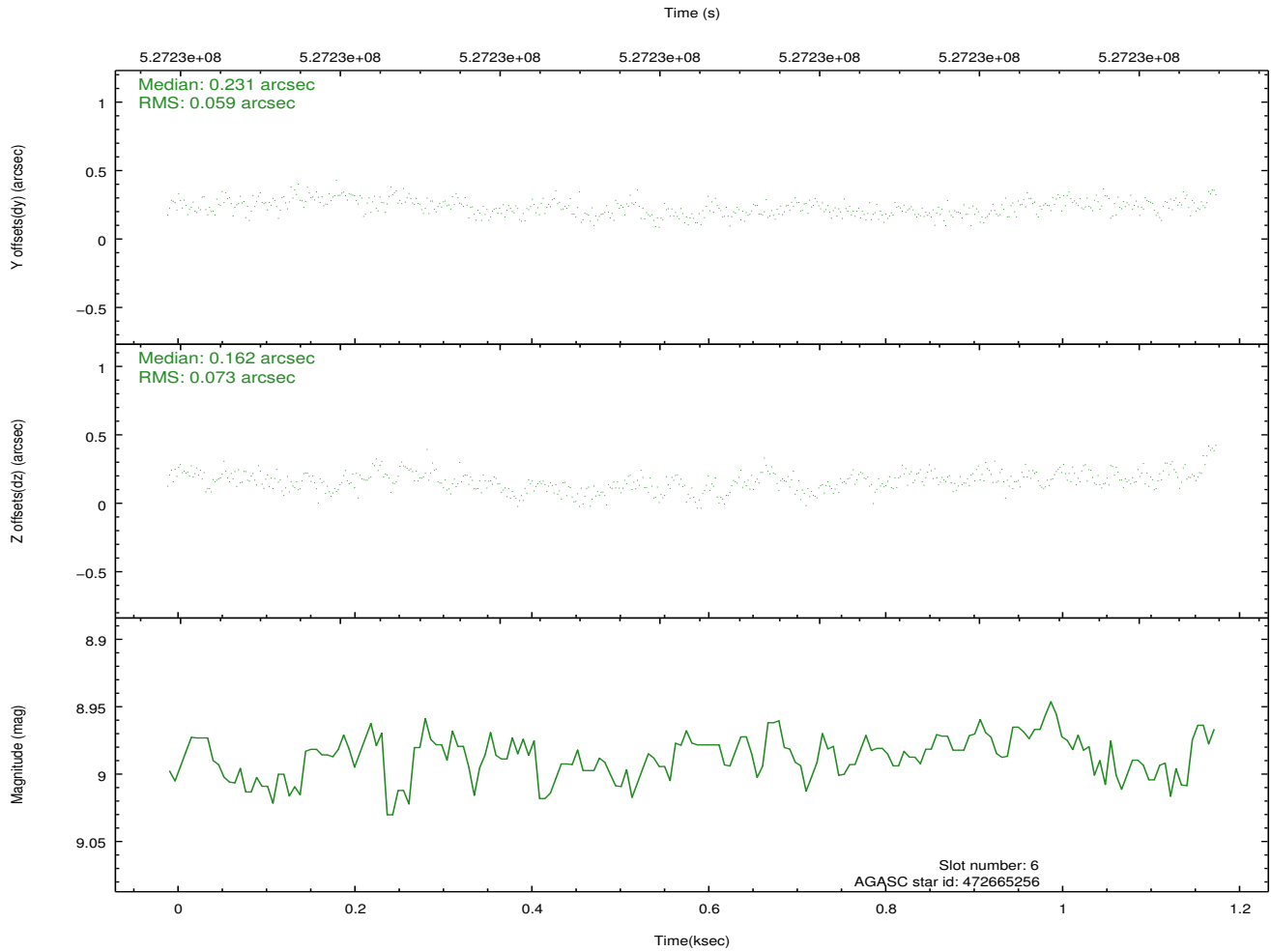
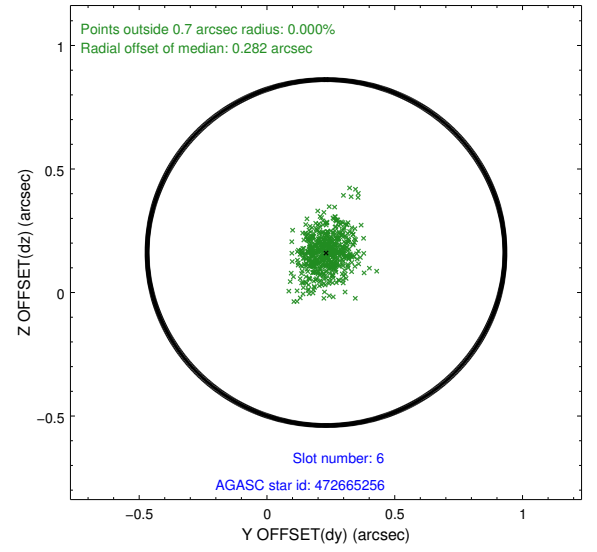
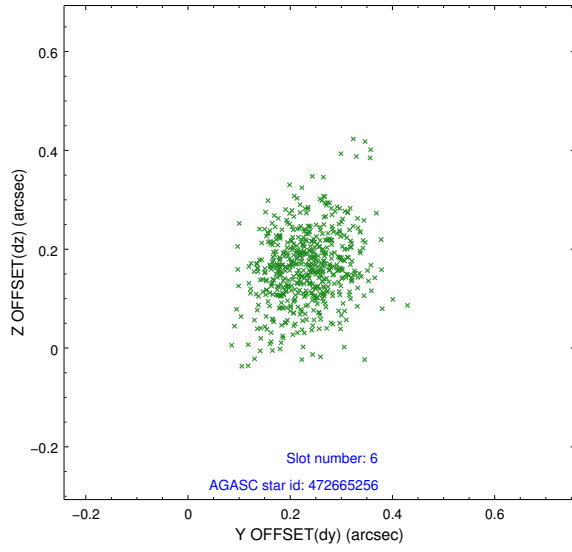
2.4.2 Slot 4



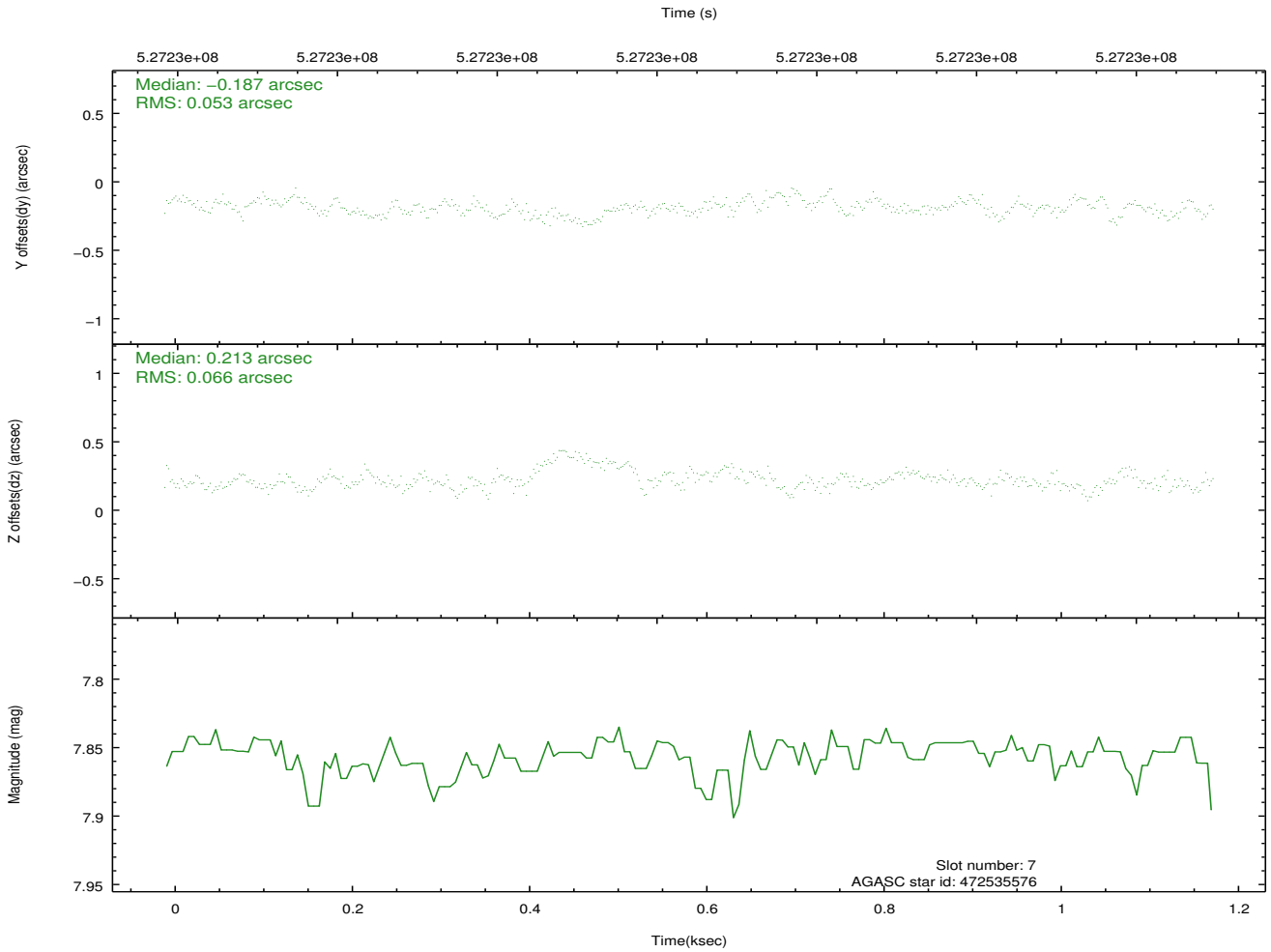
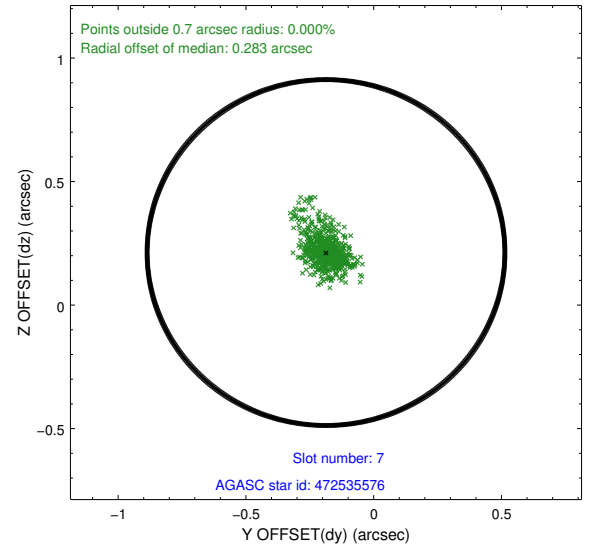
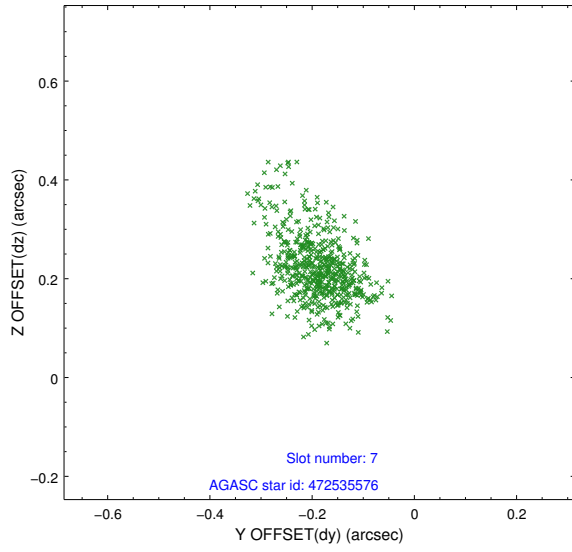
2.4.3 Slot 5



2.4.4 Slot 6

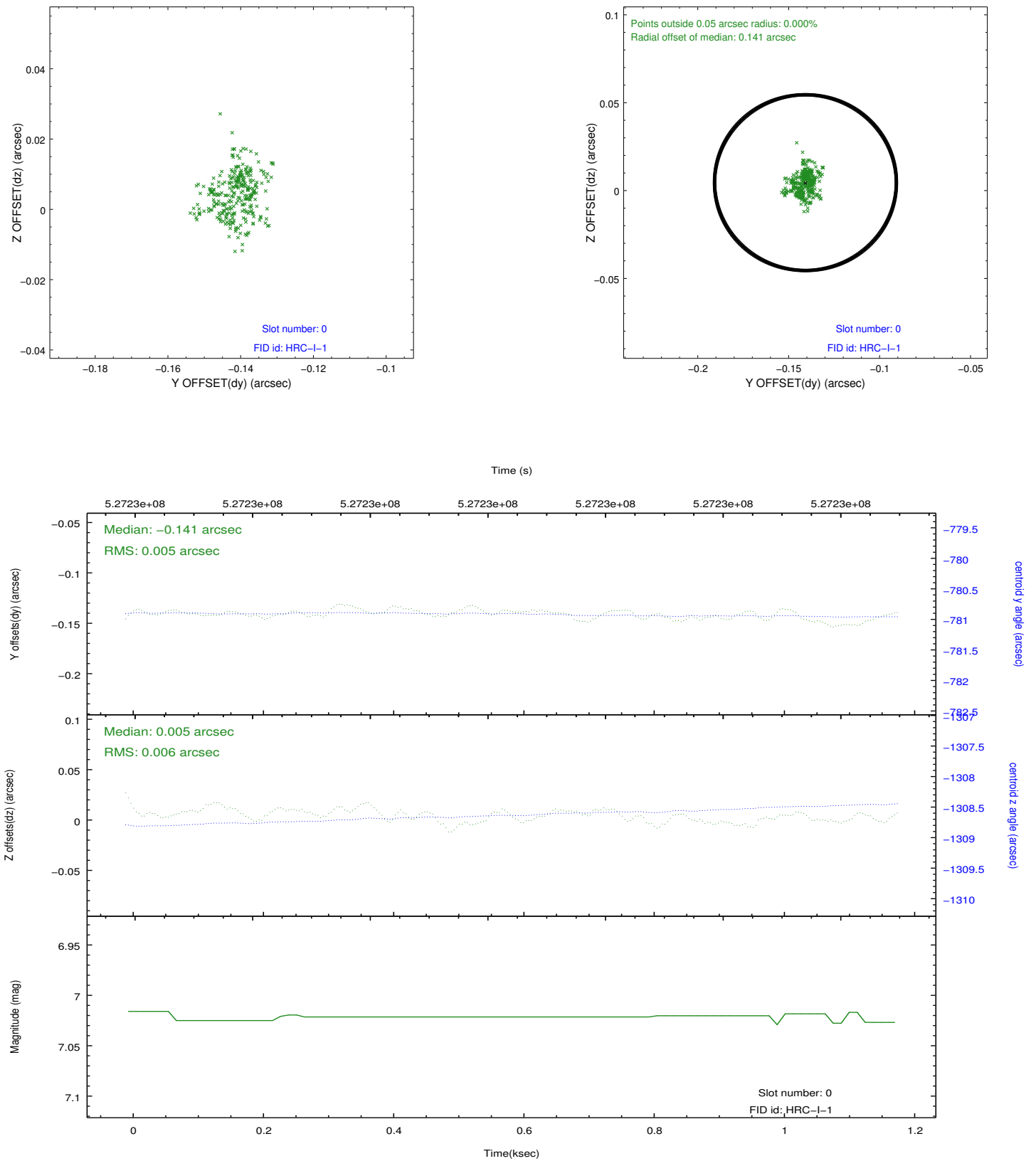


2.4.5 Slot 7

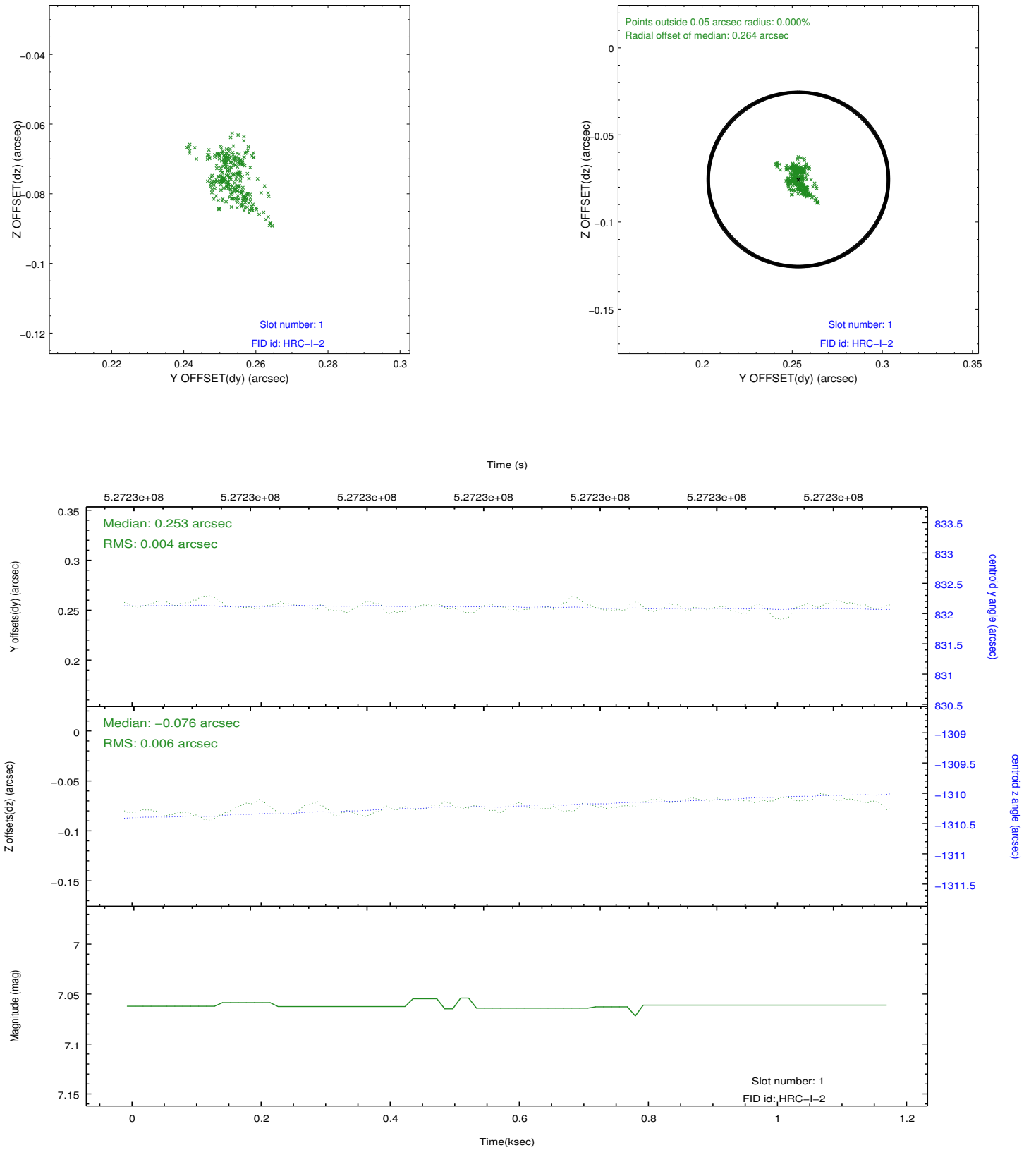


2.5 FID Slots

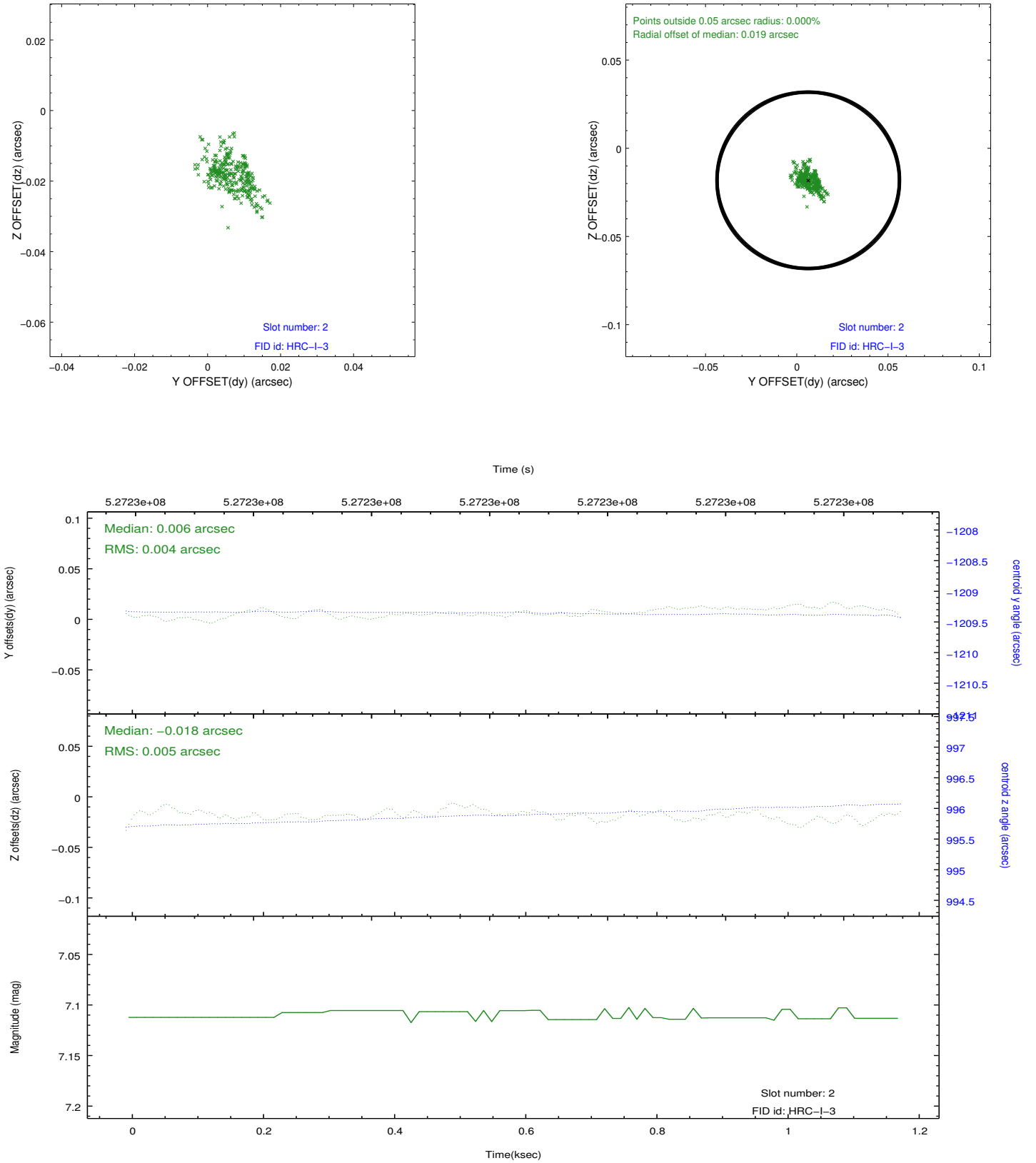
2.5.1 Slot 0



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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313156486

A.2 Comments