

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16401 - L2 Version 1
Chandra X-Ray Center

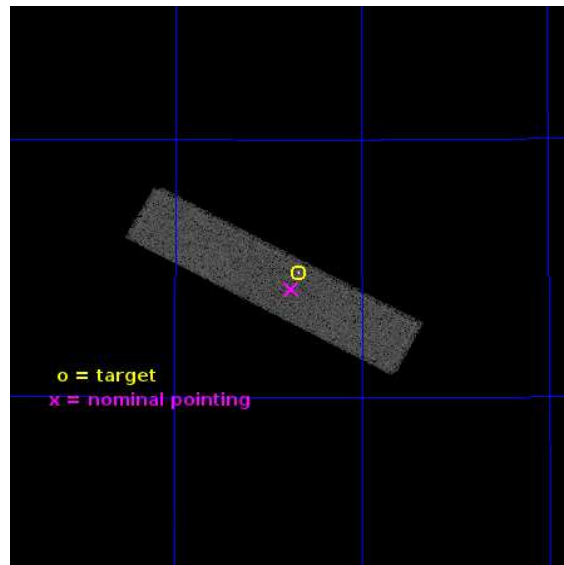
L2 Processing Date : Sep 16 2014

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1 Front

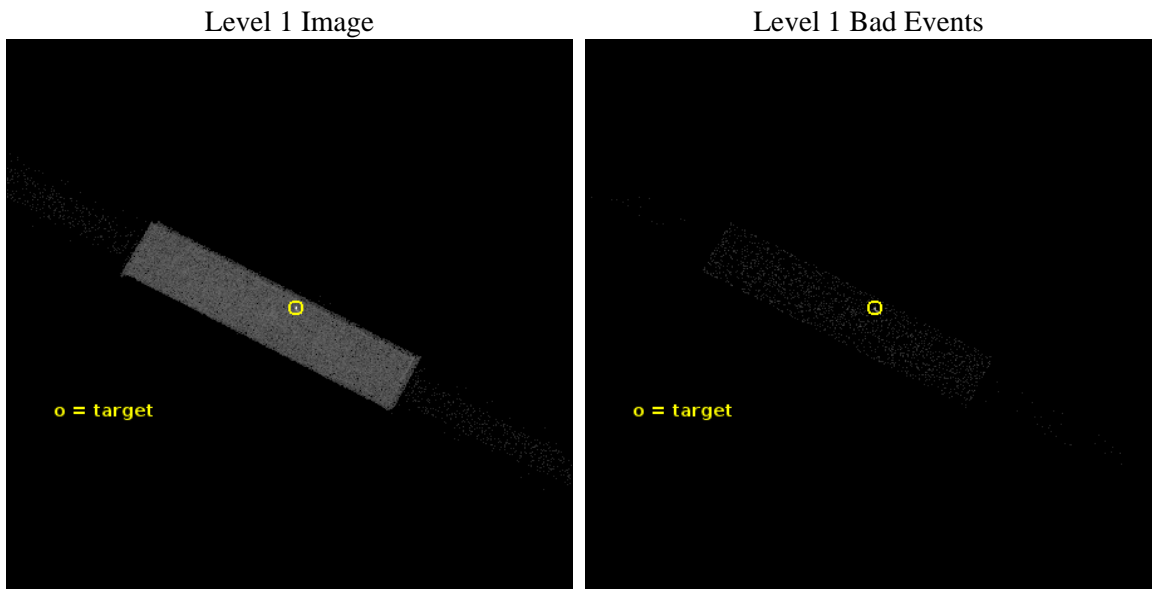
seq_num	291173	Sequence number
obs_id	16401	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18752942523	Nominal RA [deg]
dec_nom	45.709779772366	Nominal Dec [deg]
roll_nom	208.11955327026	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1149.0250638723	[s]
livetime	1141.7838658241	Ontime multiplied by DTCOR
l2events	53525	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	1149.0250638723	[s]
caldsver	4.6.3	 	l1events	82628	Number of level 1 events
date	2014-09-17T03:25:21	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

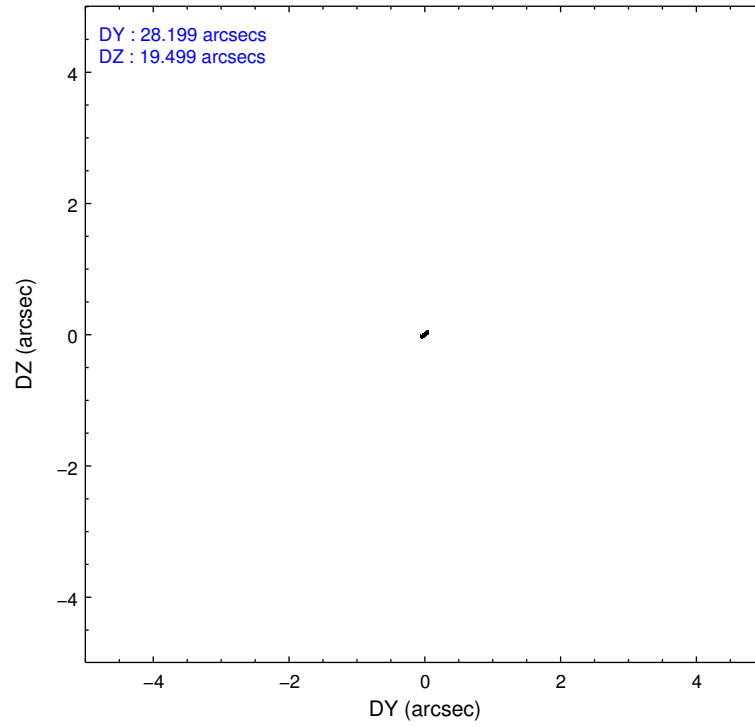
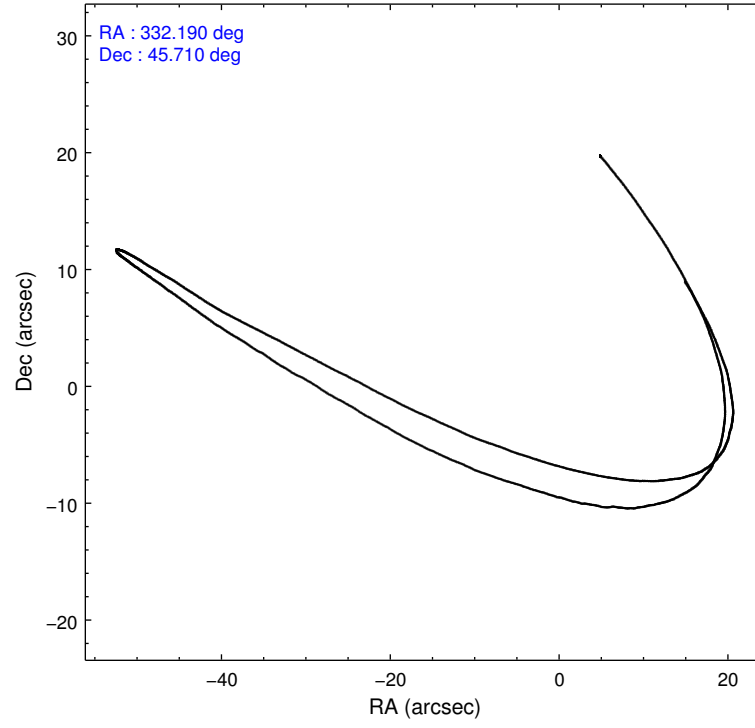
	segment 1	segment 2	segment 3
level 1 events	708	81172	748
rejected events	708	18287	748
rejected %	100%	22%	100%

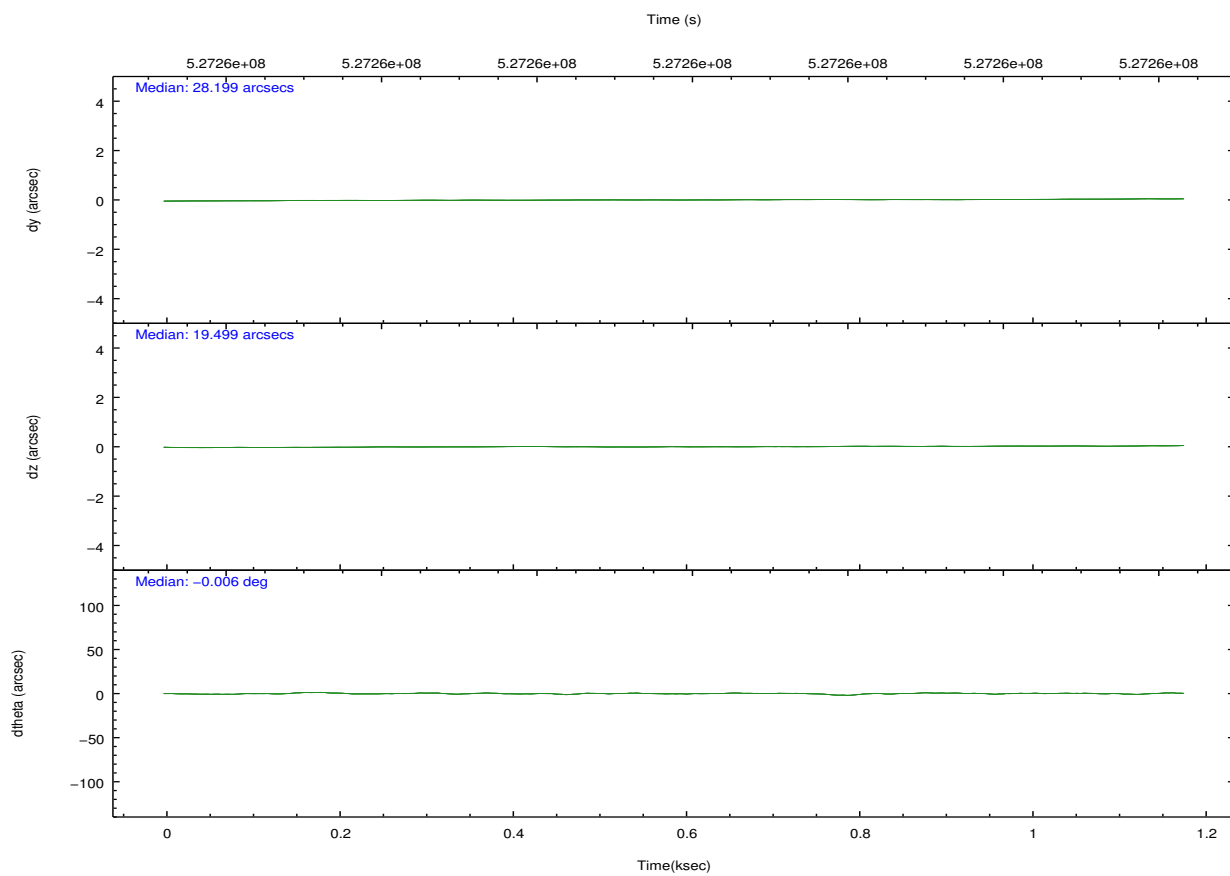
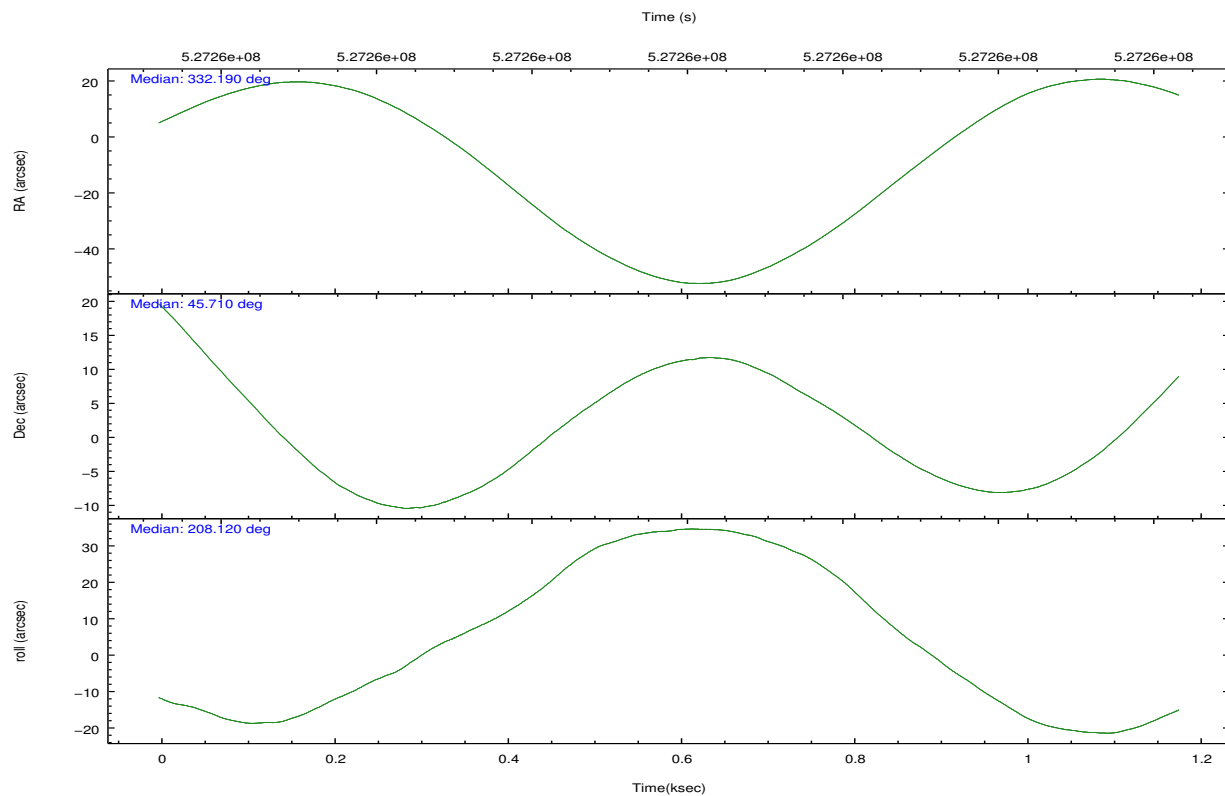
2.2 Compared Parameters

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	332.206355	332.1875294252263
[deg] Pointing Dec	45.735809	45.70977977236576
[deg] Pointing Roll	208.038764	208.1195532702612
[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)	527262958.184000	527262581.57785
Observation start date	2014-09-16T13:54:51	2014-09-16T13:49:41
[s] Observation end time (MET)	527263958.184000	527264091.91544
Observation end date	2014-09-16T14:11:31	2014-09-16T14:14:51

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

2.3 Aspect



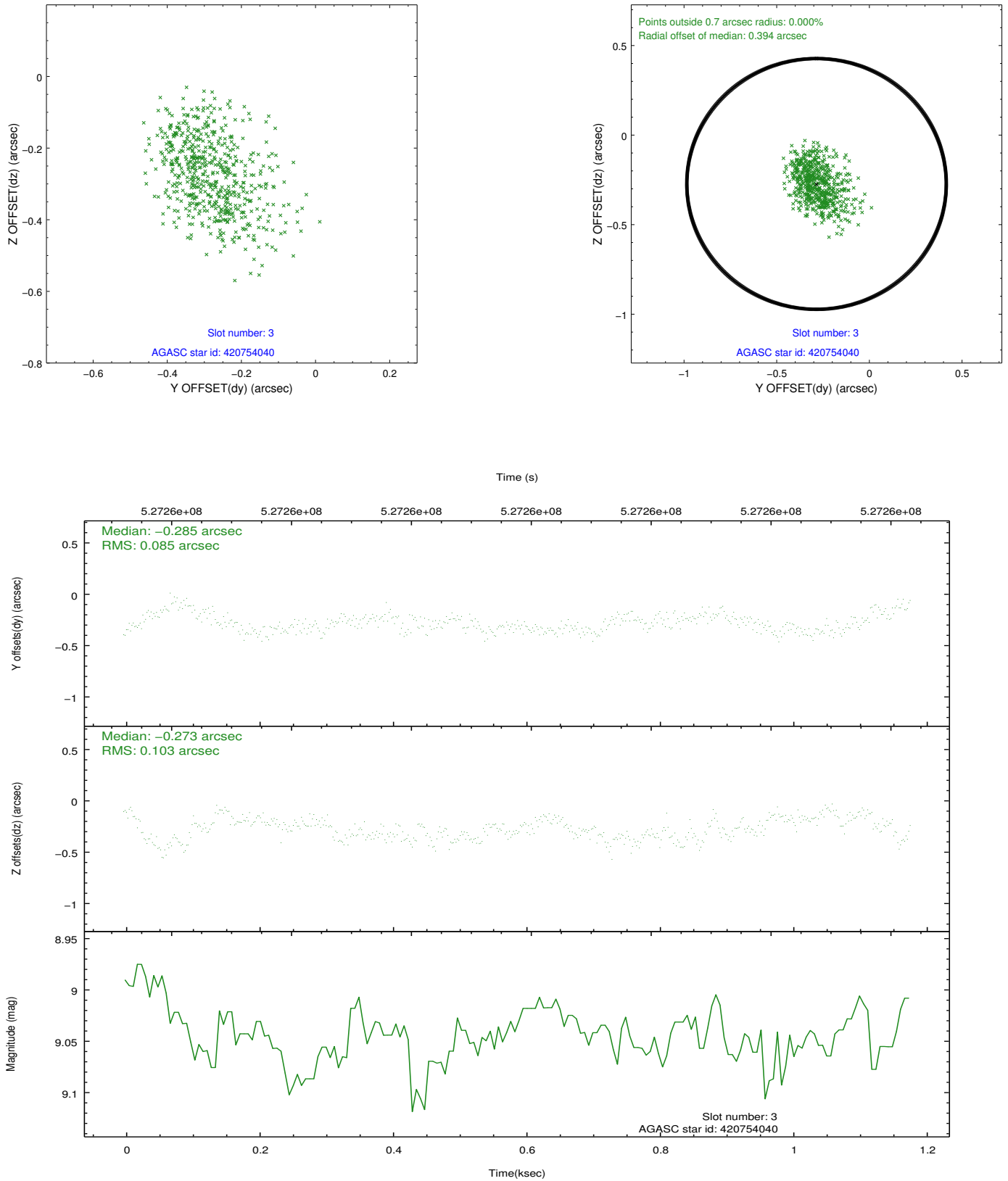


Slot Statistics

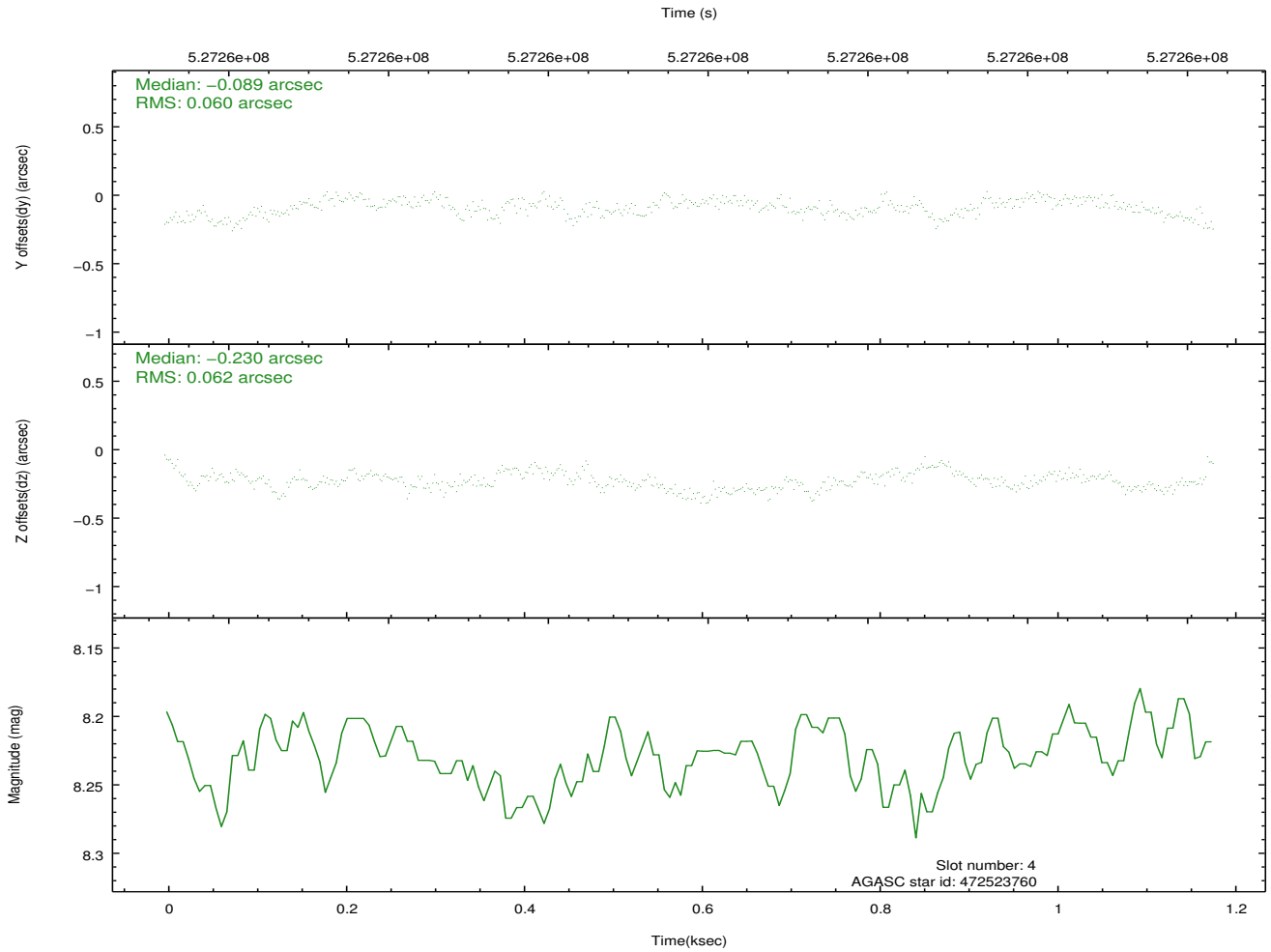
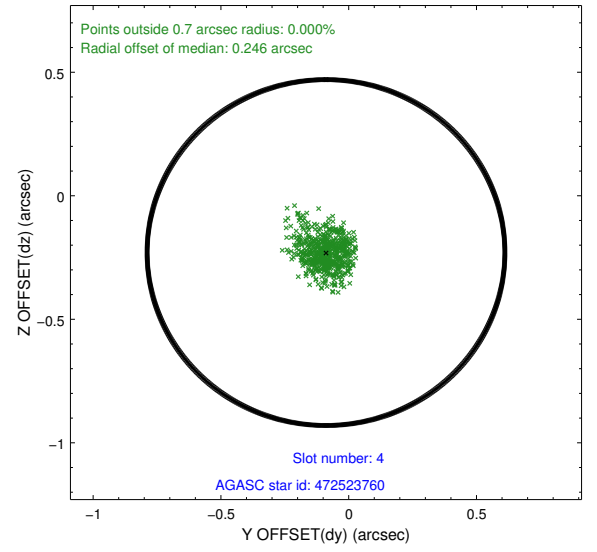
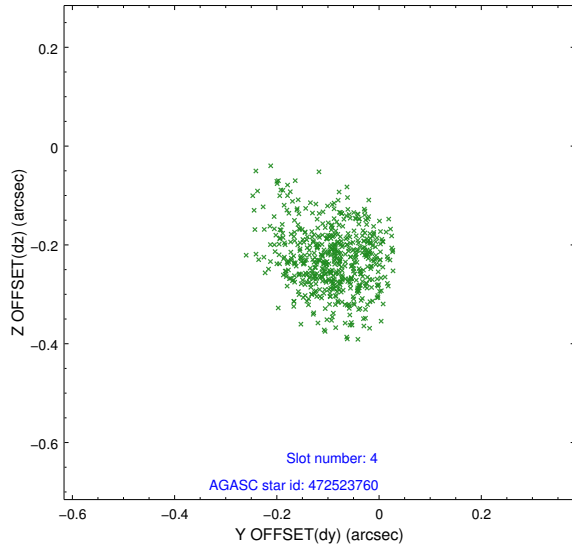
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	288	0.010	-0.208	0.008	0.014	0.000000	0.000000	-1182.99	-468.64
1	FID	HRC-S-2	7.03	288	0.340	-0.138	0.006	0.010	0.000000	0.000000	1212.89	-462.71
2	FID	HRC-S-3	7.07	288	0.040	0.045	0.010	0.015	0.000000	0.000000	-1181.52	559.52
3	GUIDE	420754040	9.04	576	-0.285	-0.273	0.142	0.227	331.917939	44.882543	2092.64	2360.39
4	GUIDE	472523760	8.23	576	-0.089	-0.230	0.094	0.147	331.645363	45.403260	1817.51	385.70
5	GUIDE	472525528	6.65	576	-0.640	-0.089	0.084	0.137	331.551102	45.248694	2291.33	757.81
6	GUIDE	472665256	8.99	576	0.508	0.207	0.101	0.160	332.808125	46.195041	-2097.07	-761.62
7	GUIDE	472663080	9.39	575	0.502	0.376	0.138	0.234	332.652741	46.473840	-2228.68	-1832.42

2.4 Star Slots

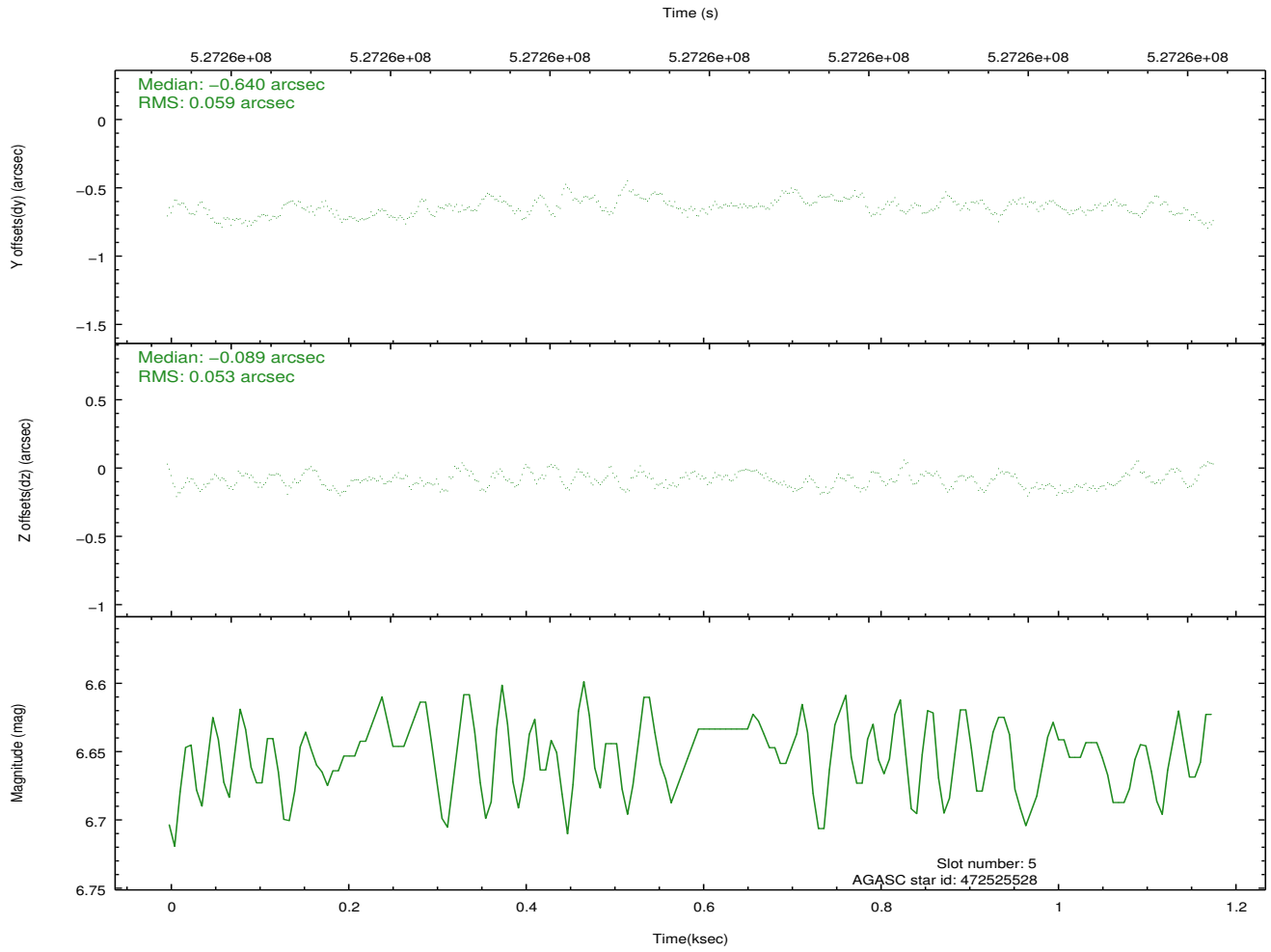
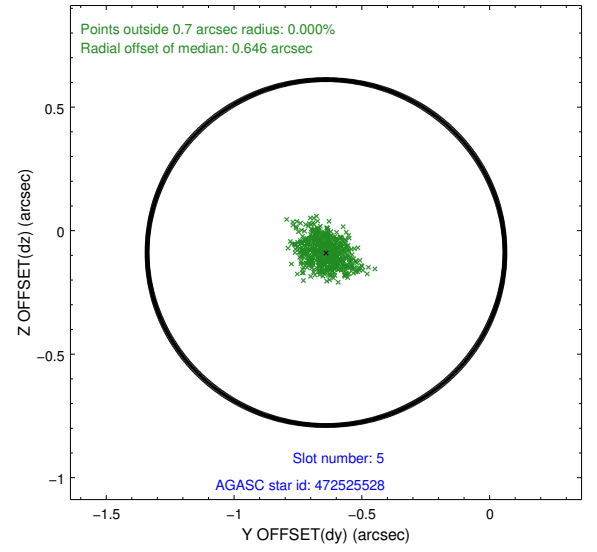
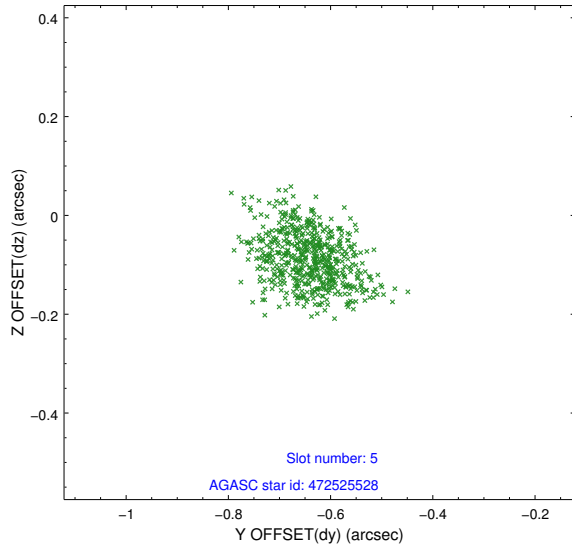
2.4.1 Slot 3



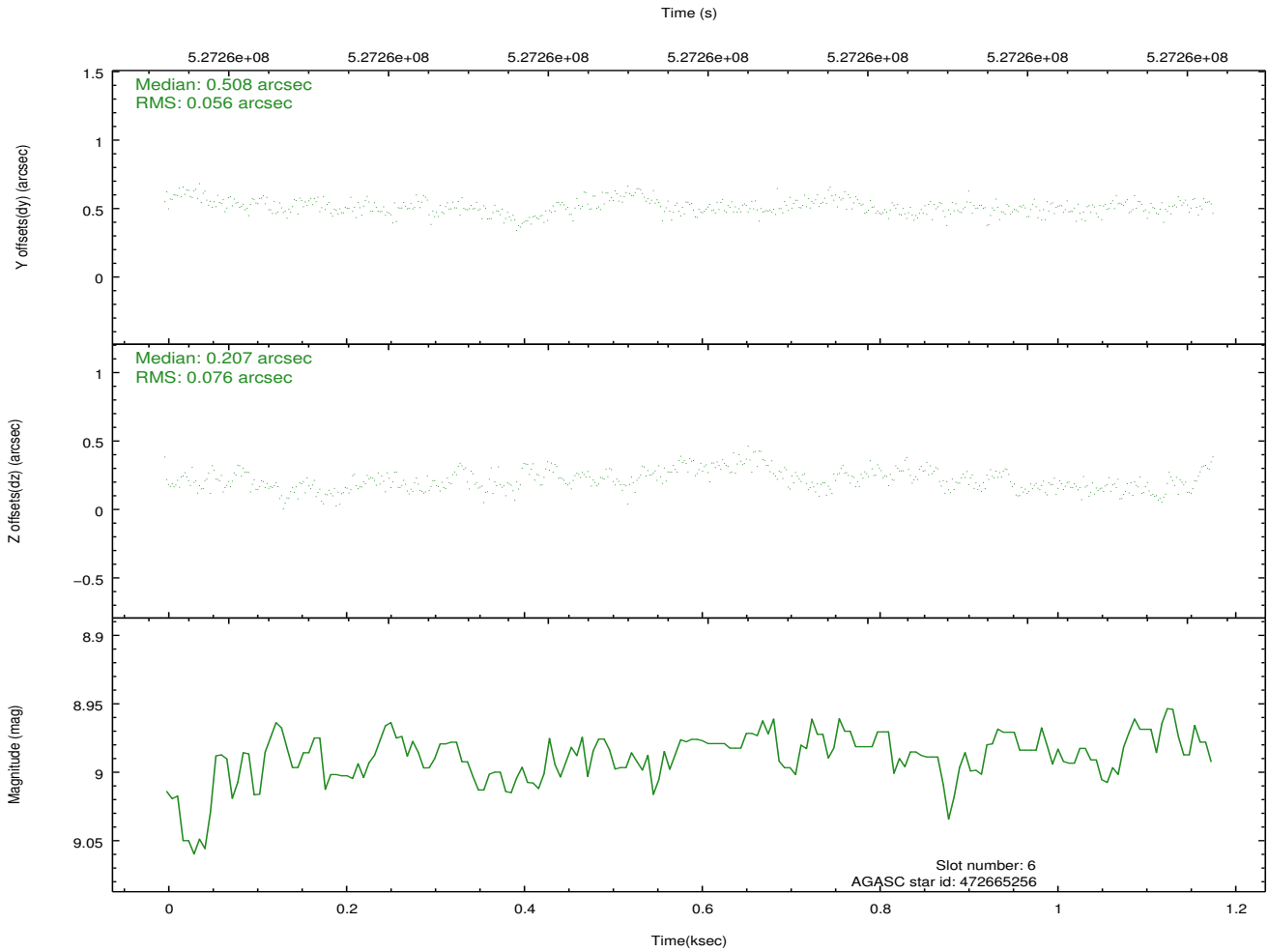
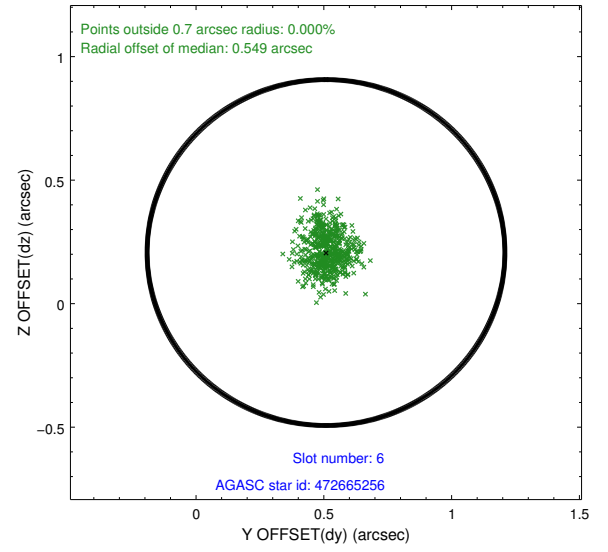
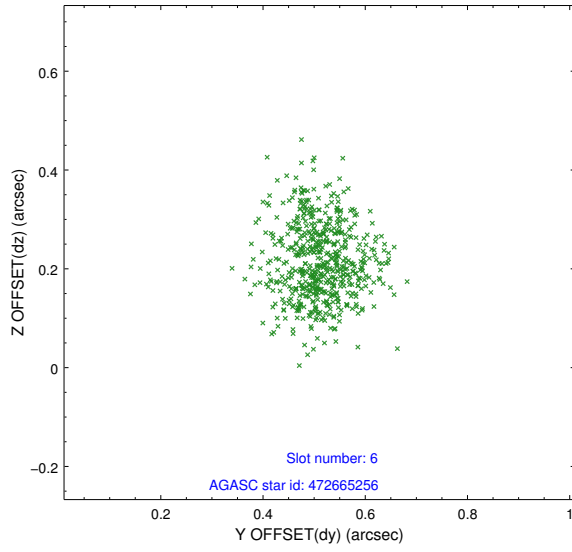
2.4.2 Slot 4



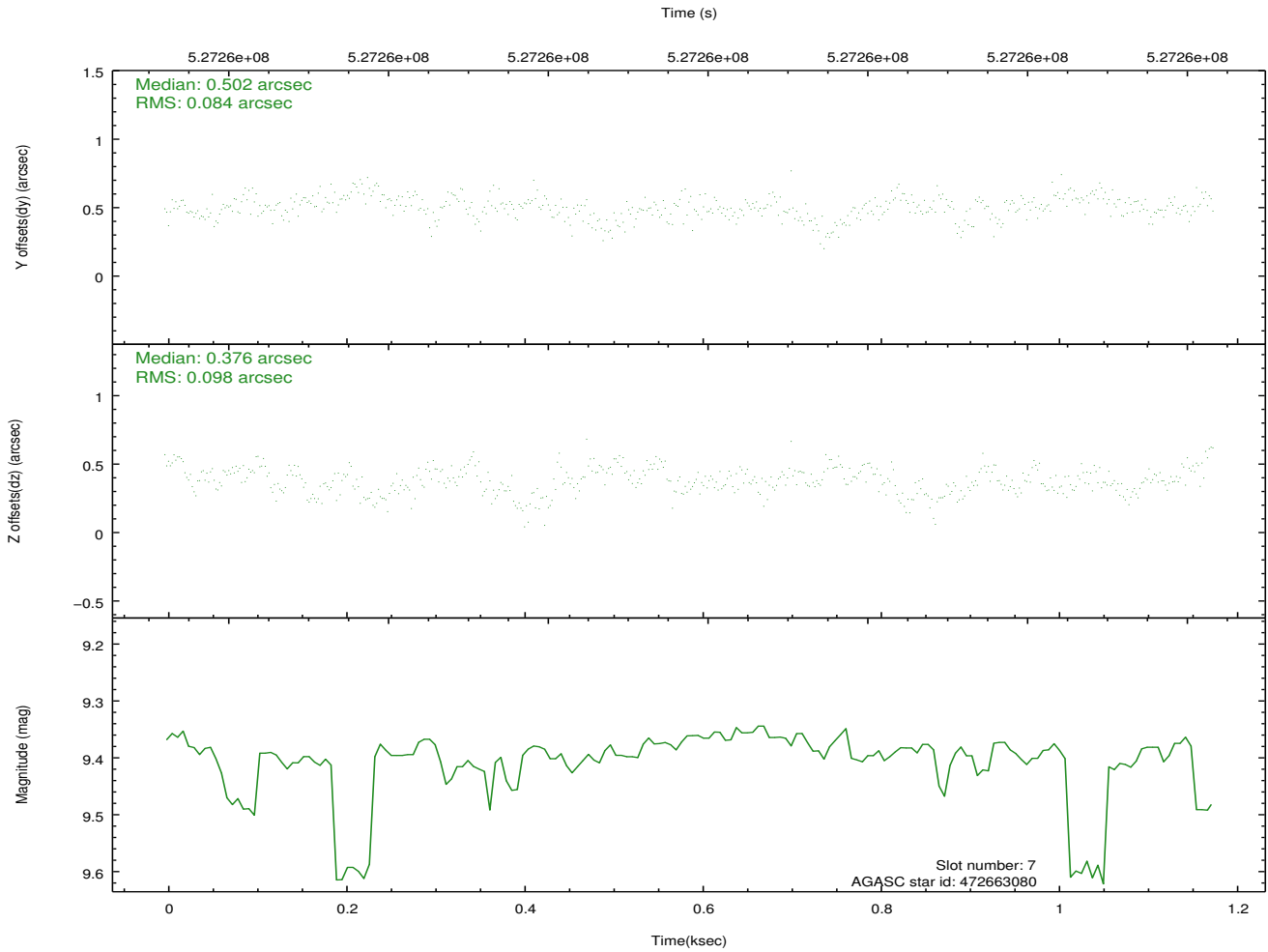
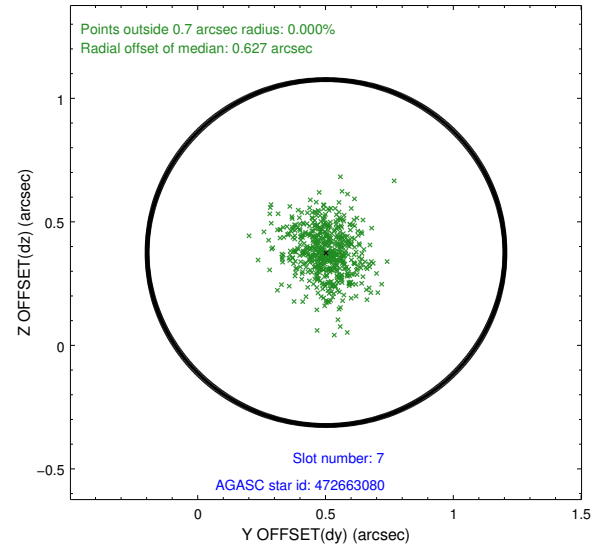
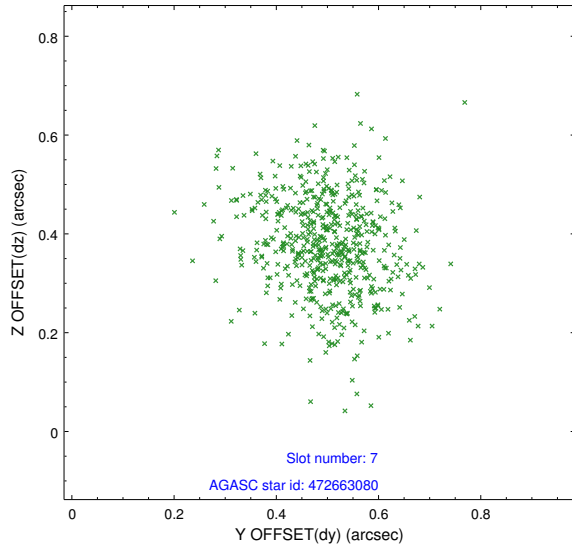
2.4.3 Slot 5



2.4.4 Slot 6

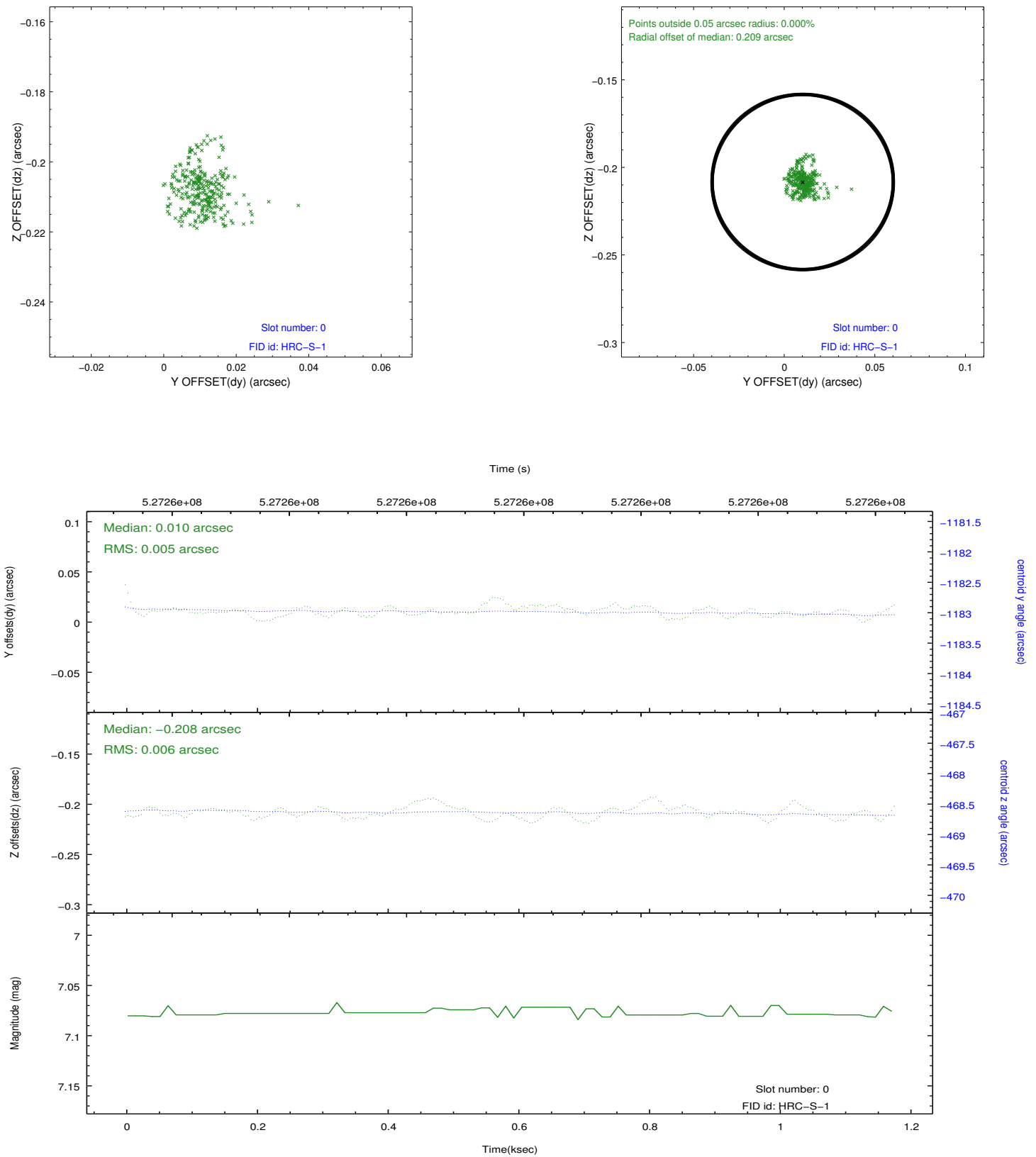


2.4.5 Slot 7

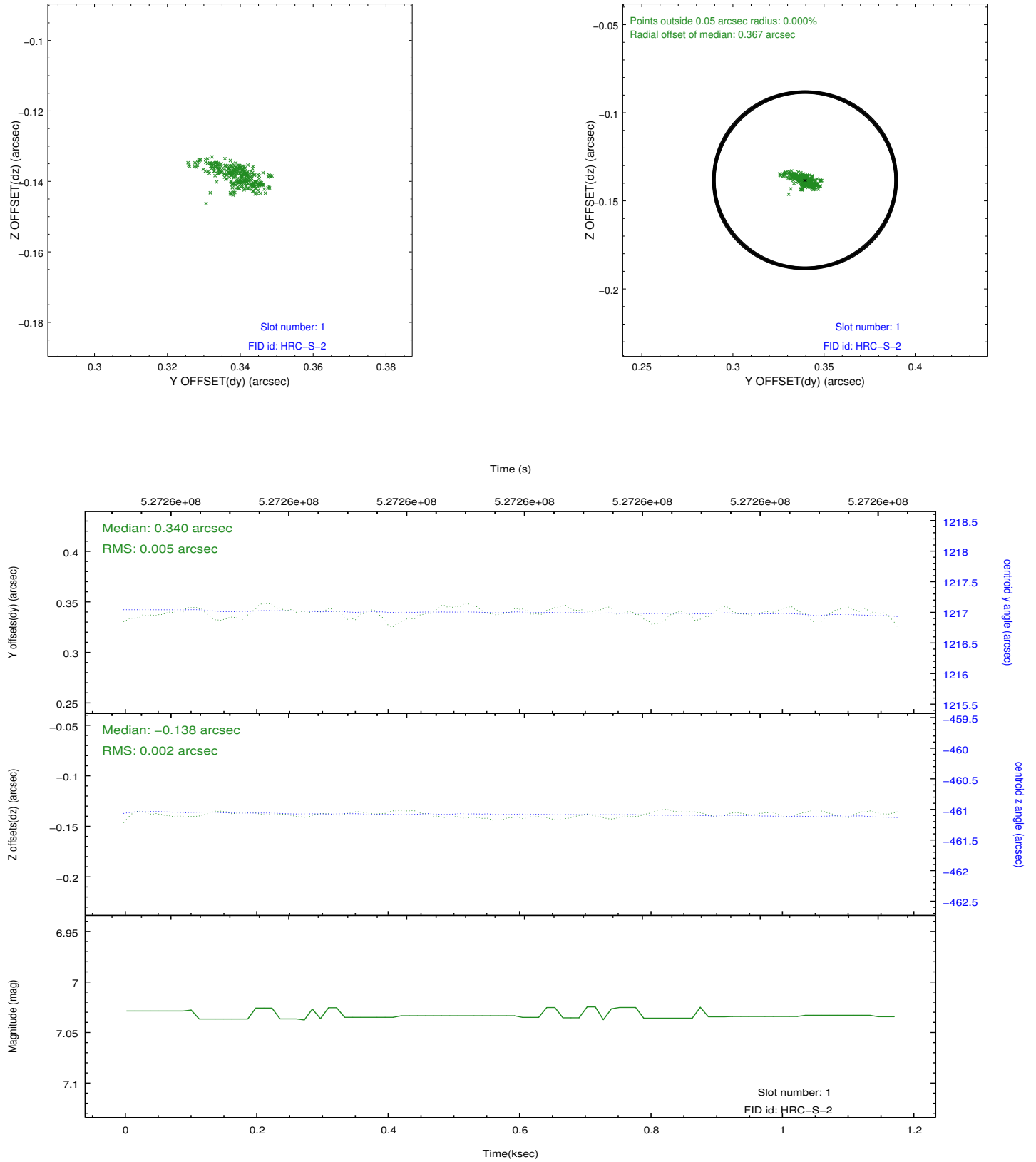


2.5 FID Slots

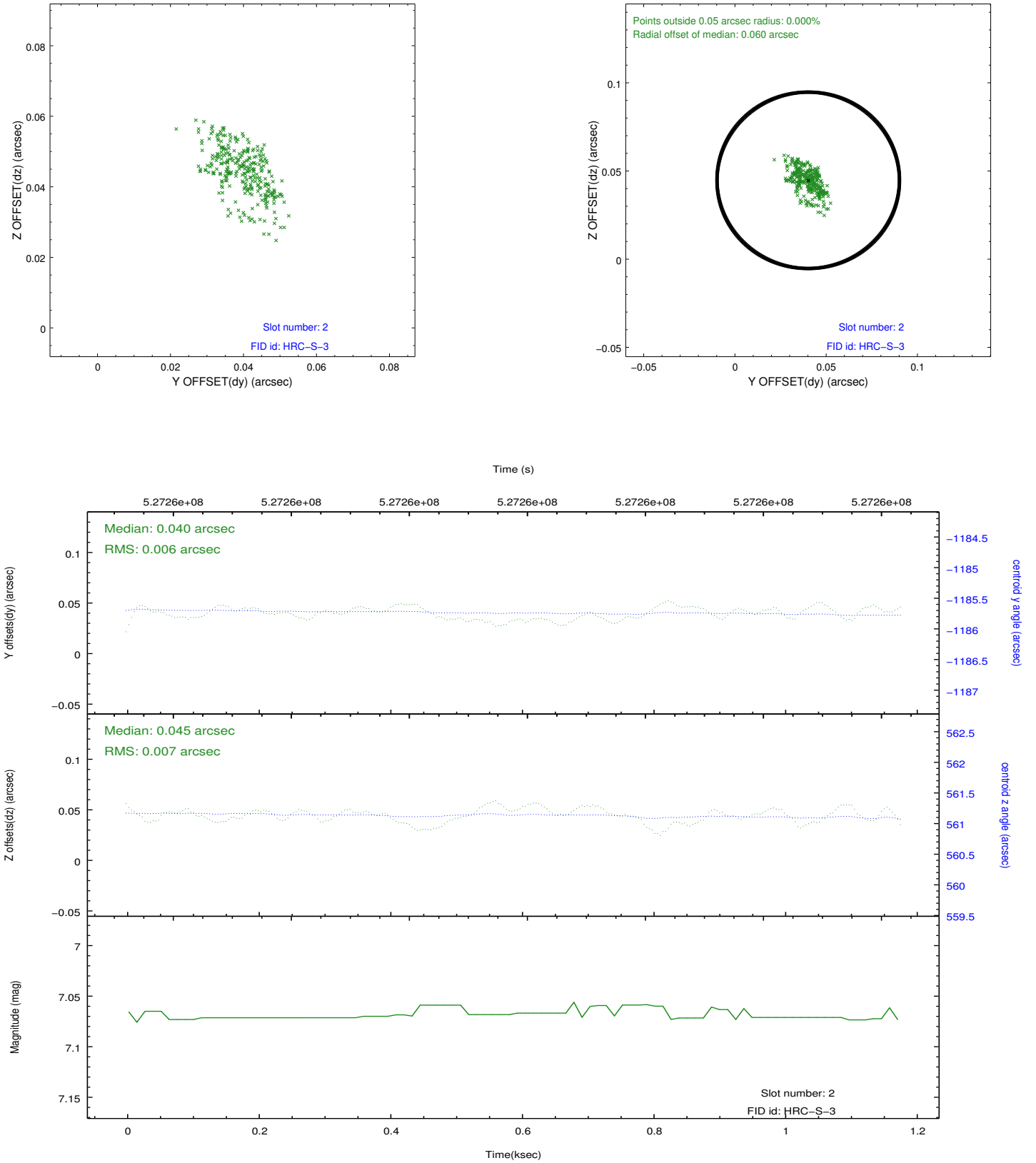
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1490250638723

A.2 Comments