

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9664 - L2 Version 3
Chandra X-Ray Center

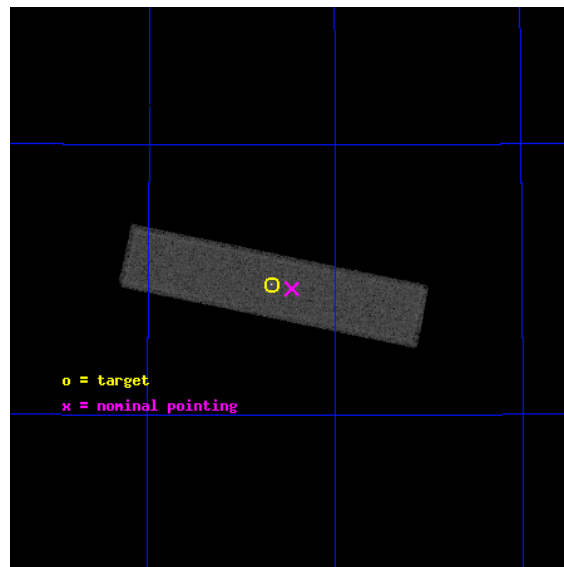
L2 Processing Date : Aug 12 2012

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

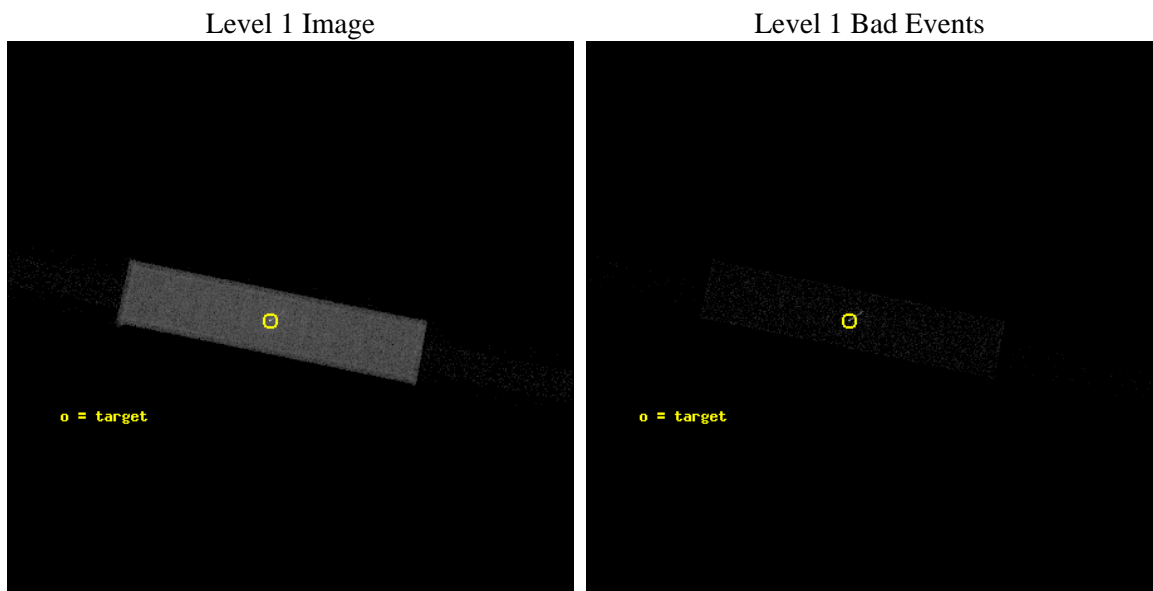
seq_num	290787	Sequence number
obs_id	9664	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11530451693	Nominal RA [deg]
dec_nom	45.734118303565	Nominal Dec [deg]
roll_nom	191.51495889527	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1329.4250653386	[s]
livetime	1317.6393675727	Ontime multiplied by DTCOR
l2events	84209	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	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1329.4250653386	[s]
caldsver	4.5.1.1	 	l1events	129285	Number of level 1 events
date	2012-08-12T16:40:21	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

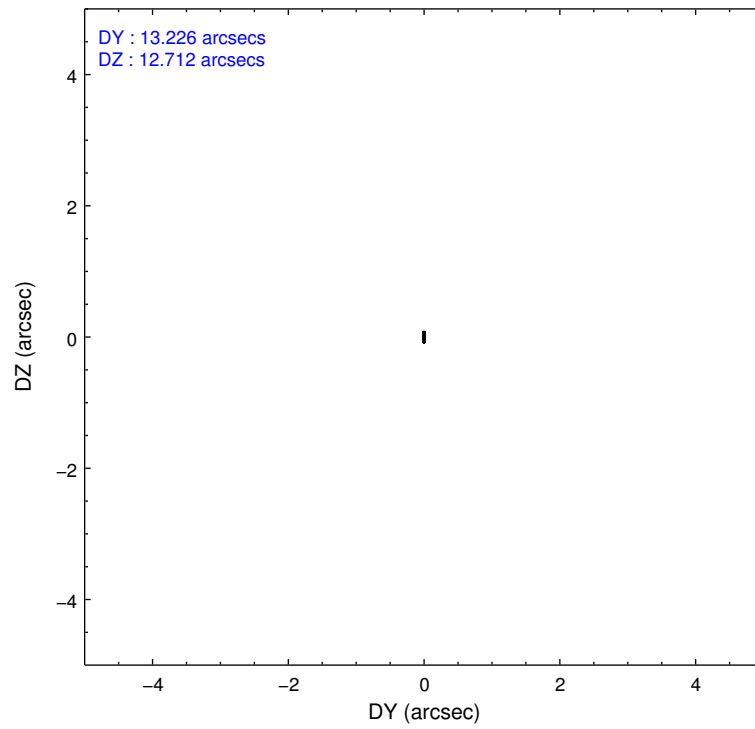
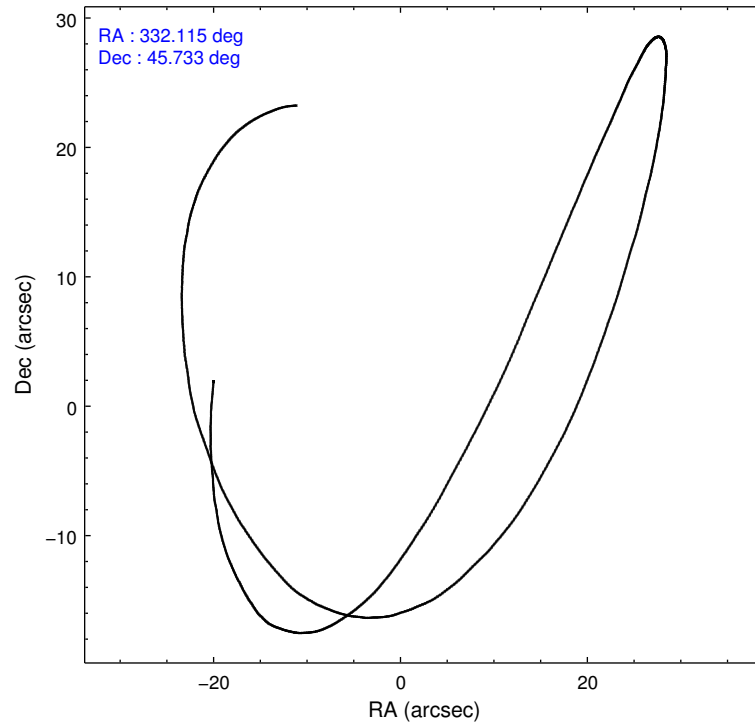
	segment 1	segment 2	segment 3
level 1 events	988	127283	1014
rejected events	988	26302	1014
rejected %	100%	20%	100%

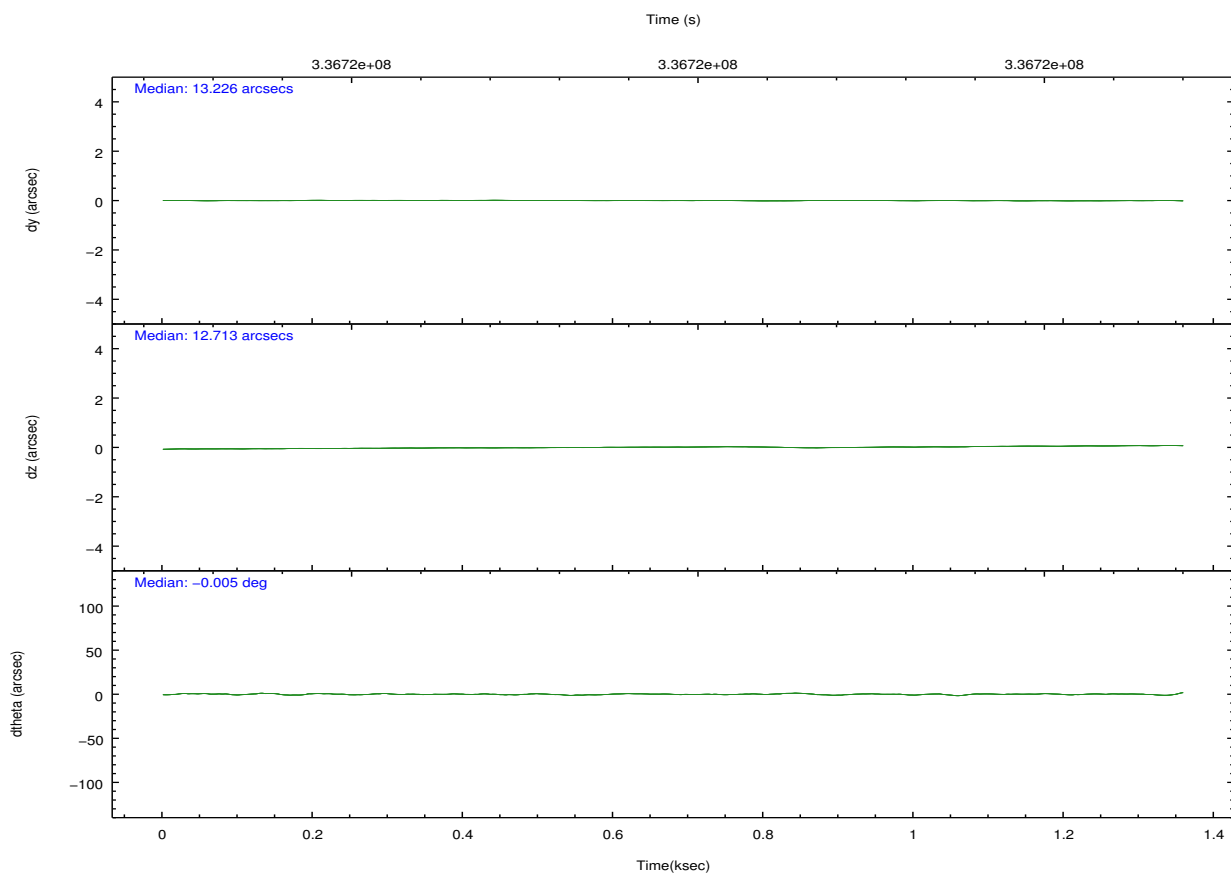
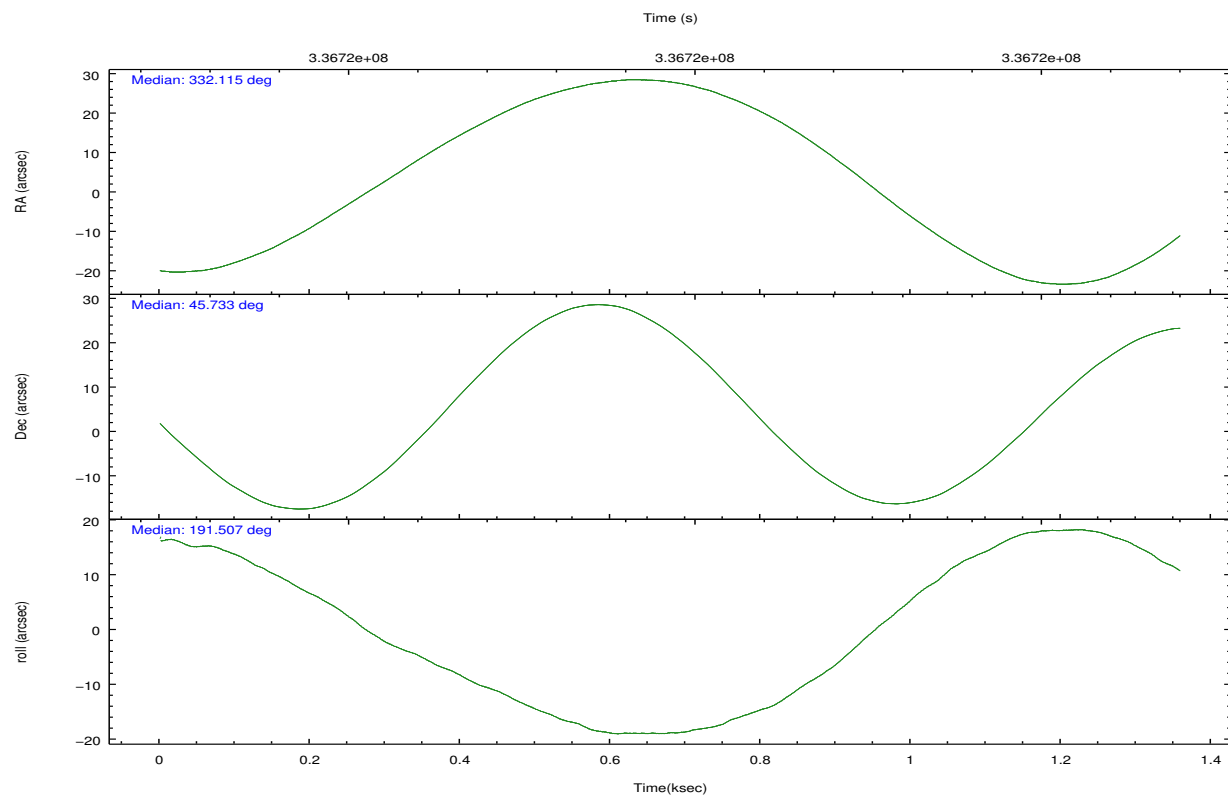
2.2 Compared Parameters

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	332.145887	332.1153045169293
[deg] Pointing Dec	45.754894	45.73411830356537
[deg] Pointing Roll	191.425713	191.5149588952693
[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)	336717973.184000	336717596.75799
Observation start date	2008-09-02T04:45:08	2008-09-02T04:39:56
[s] Observation end time (MET)	336719153.184000	336719286.47057
Observation end date	2008-09-02T05:04:48	2008-09-02T05:08:06

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

2.3 Aspect



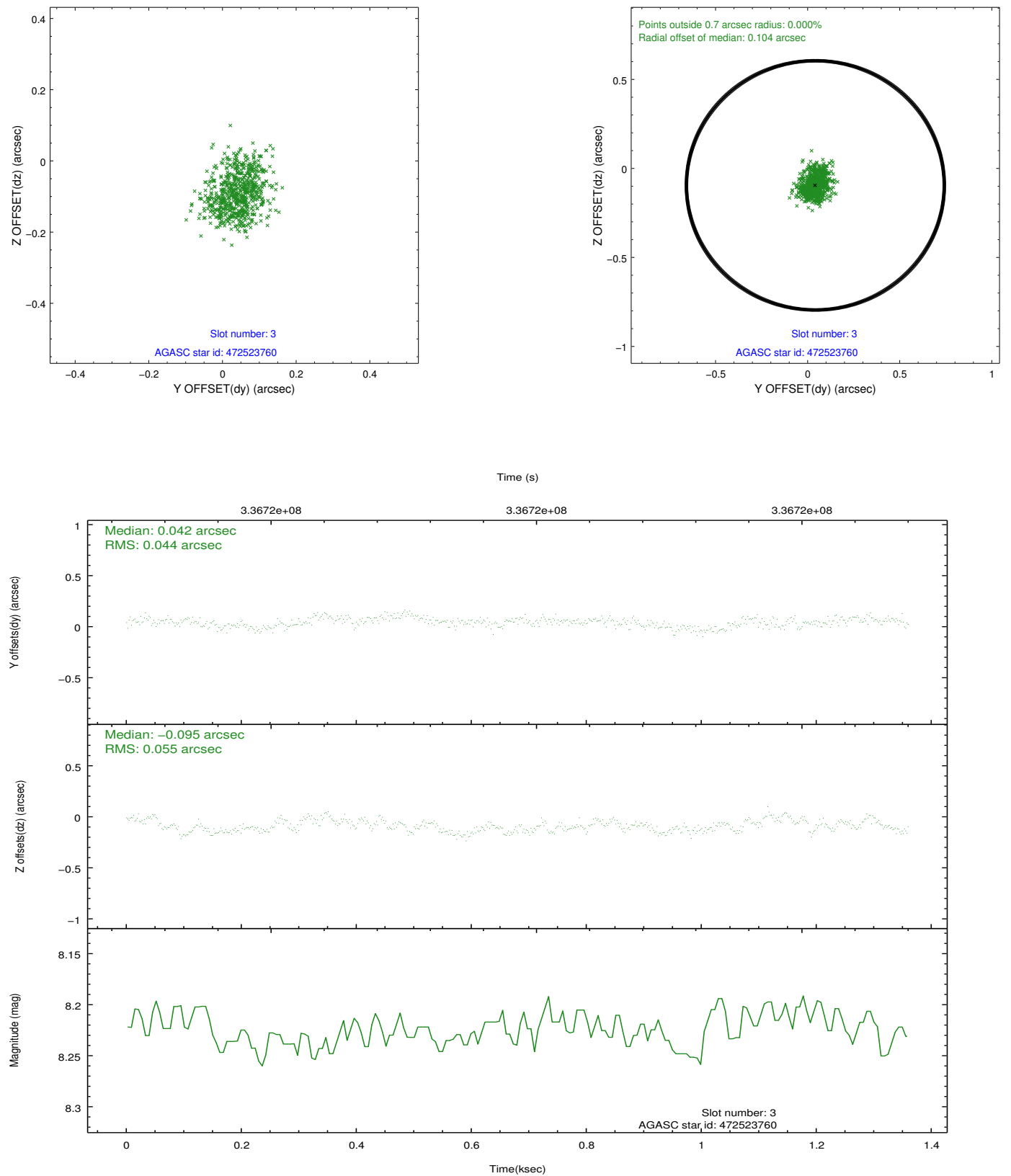


Slot Statistics

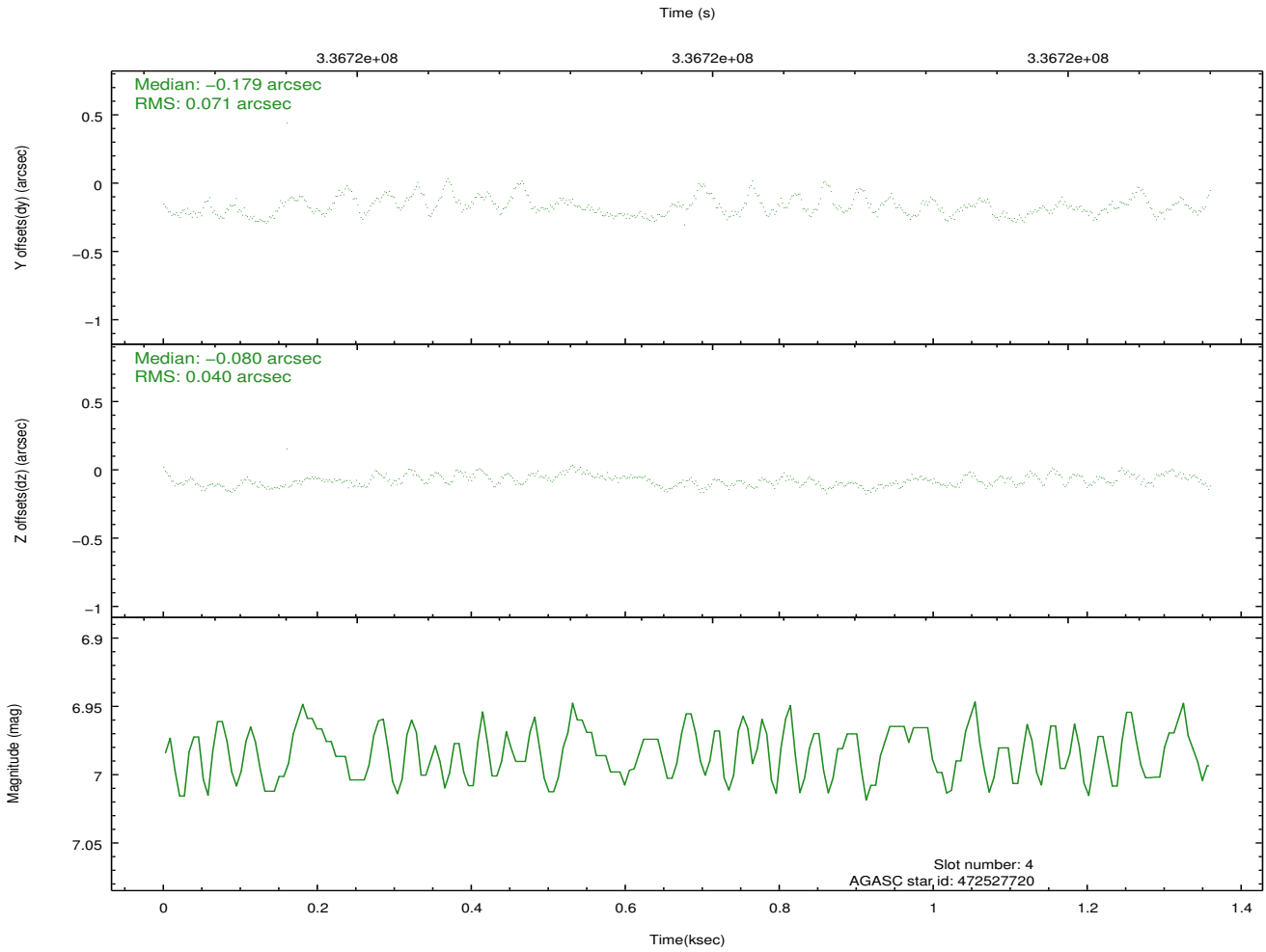
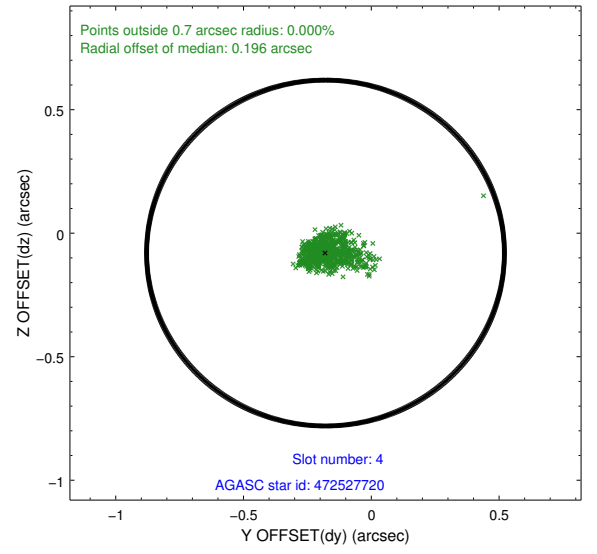
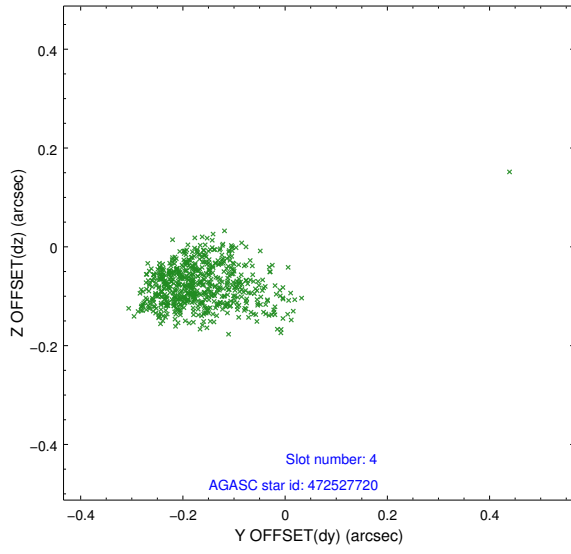
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	332	0.086	-0.127	0.007	0.011	0.000000	0.000000	-1167.56	-461.48
1	FID	HRC-S-2	7.00	332	0.215	-0.118	0.004	0.007	0.000000	0.000000	1228.71	-455.46
2	FID	HRC-S-3	7.01	332	0.088	-0.057	0.006	0.011	0.000000	0.000000	-1166.60	566.73
3	GUIDE	472523760	8.23	664	0.042	-0.095	0.077	0.118	331.645363	45.403260	1486.96	984.66
4	GUIDE	472527720	6.98	664	-0.179	-0.080	0.079	0.147	331.460205	45.112509	2162.95	1914.33
5	GUIDE	472533912	9.14	664	-0.018	0.054	0.113	0.188	331.791136	46.368695	426.14	-2341.21
6	GUIDE	472535576	7.87	664	-0.106	0.069	0.063	0.099	331.438373	46.291802	1338.46	-2255.97
7	GUIDE	472665256	8.99	662	0.261	0.056	0.090	0.139	332.808125	46.195041	-1933.46	-1238.40

2.4 Star Slots

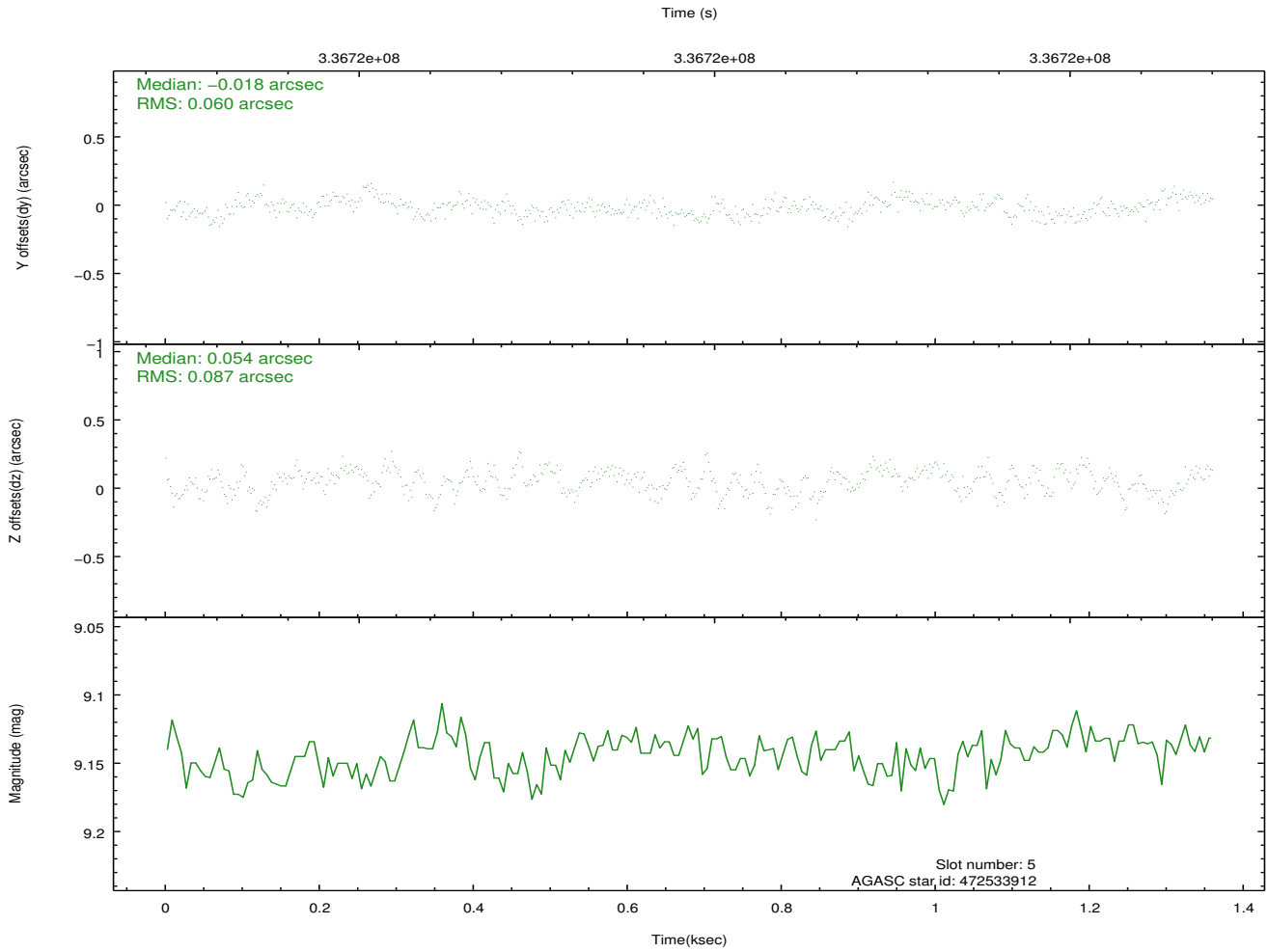
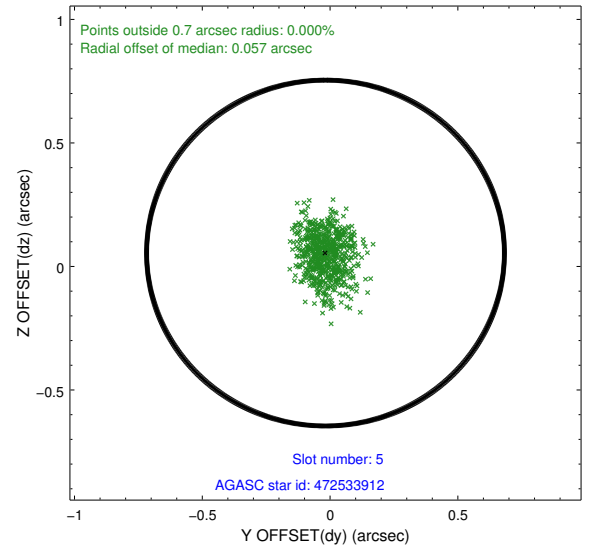
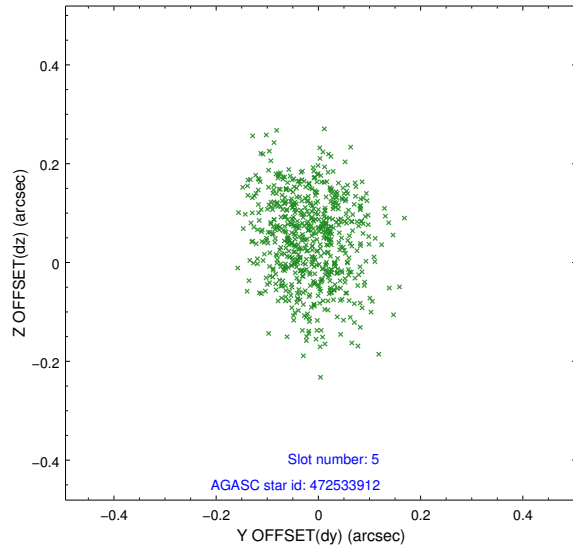
2.4.1 Slot 3



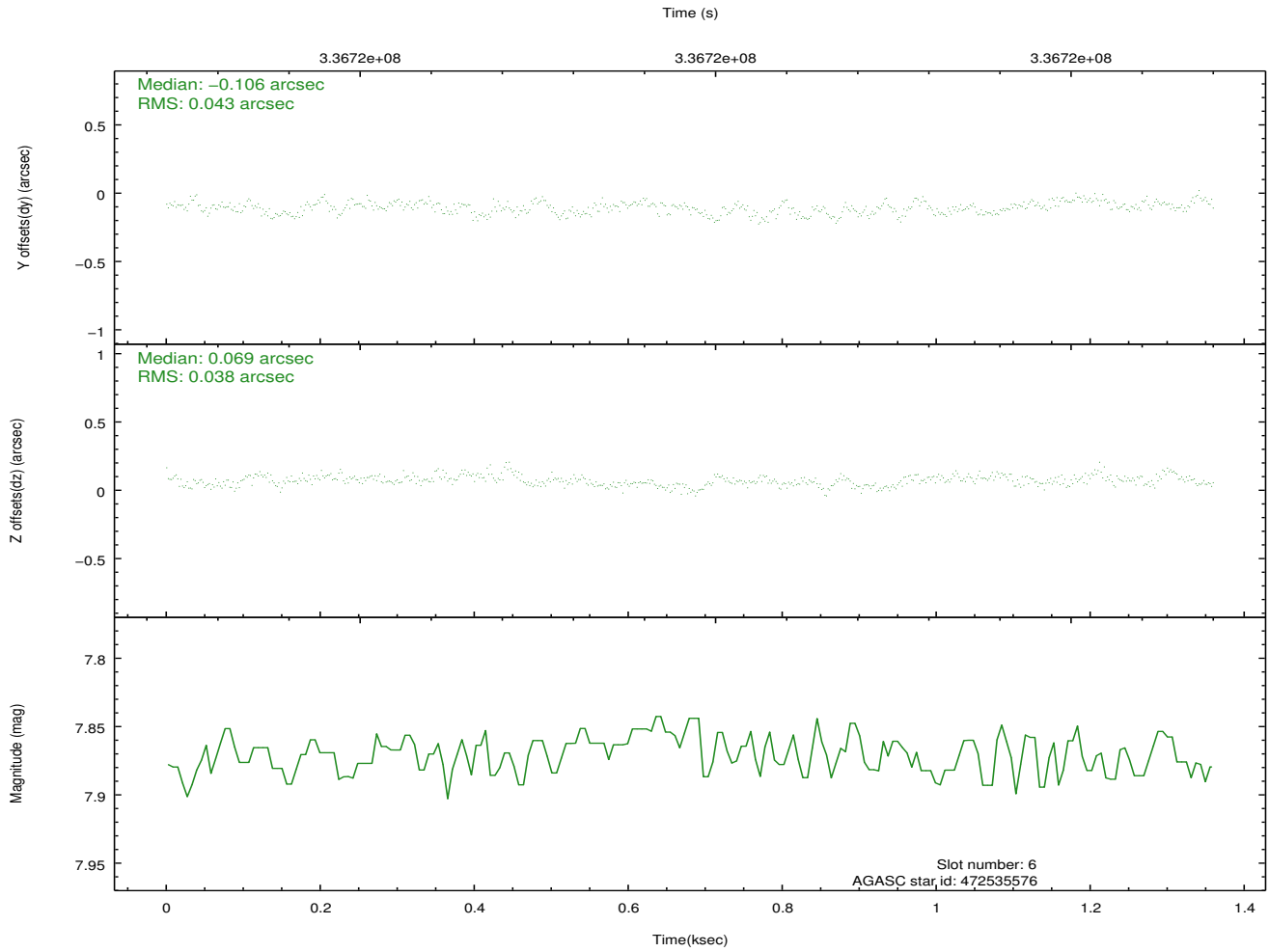
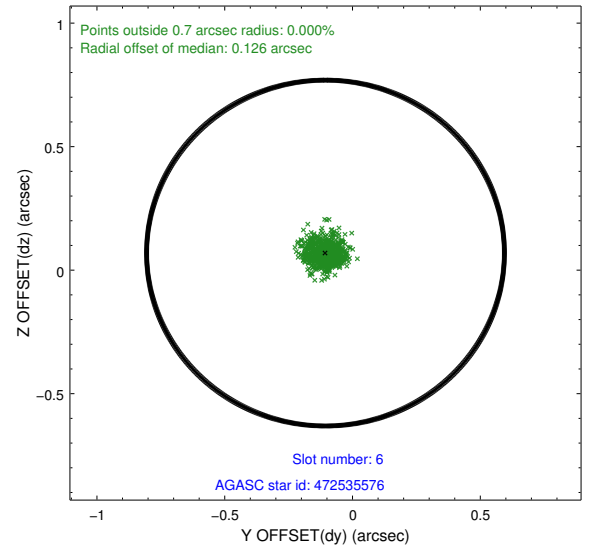
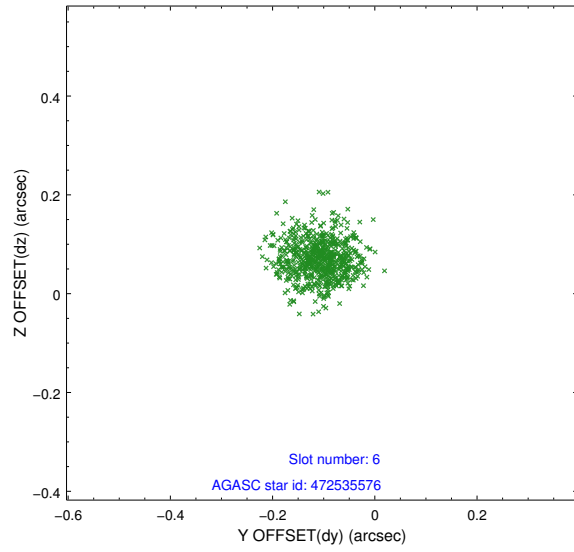
2.4.2 Slot 4



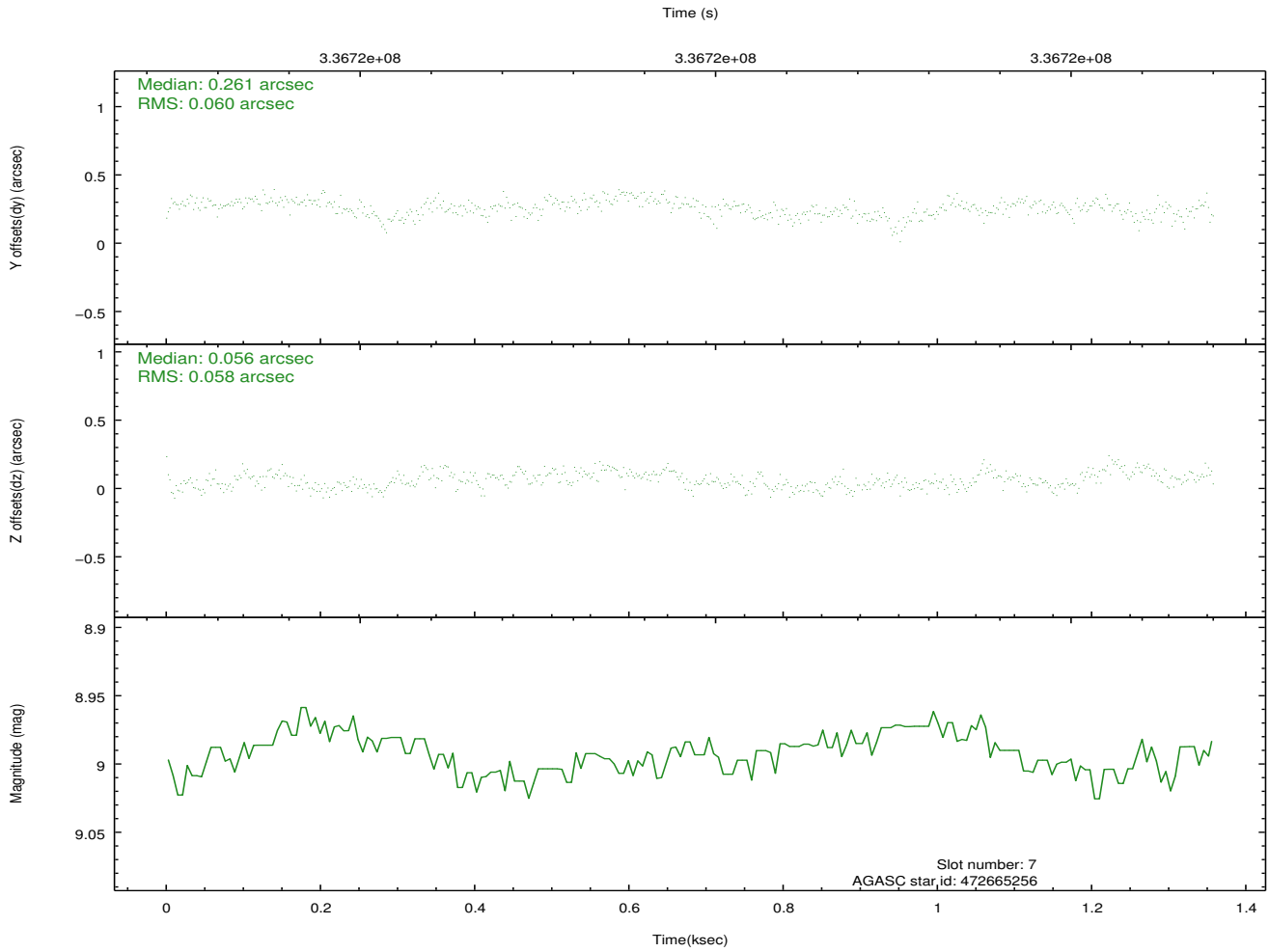
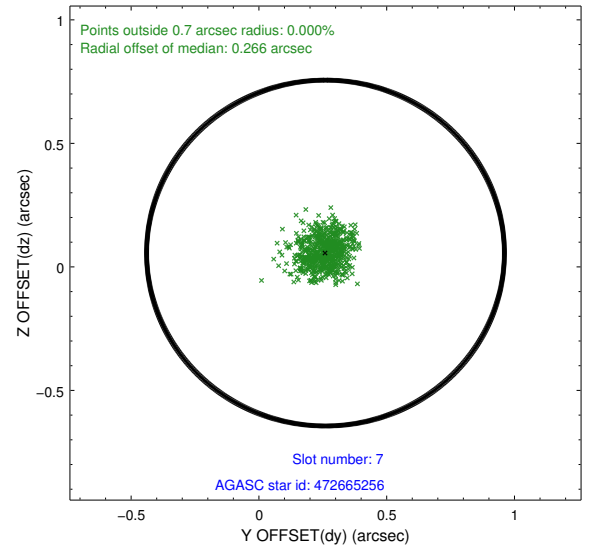
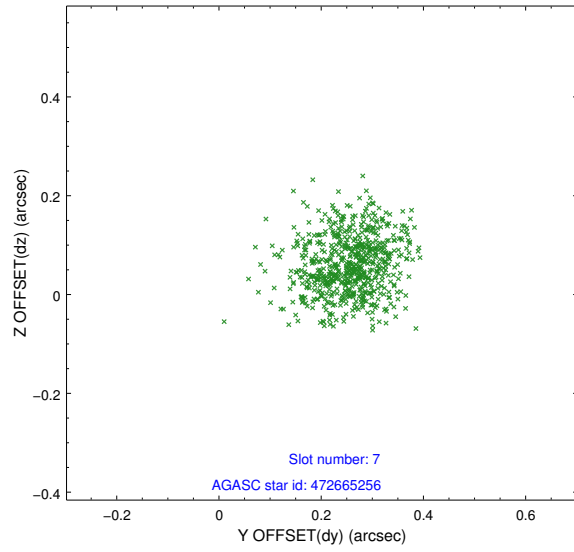
2.4.3 Slot 5



2.4.4 Slot 6

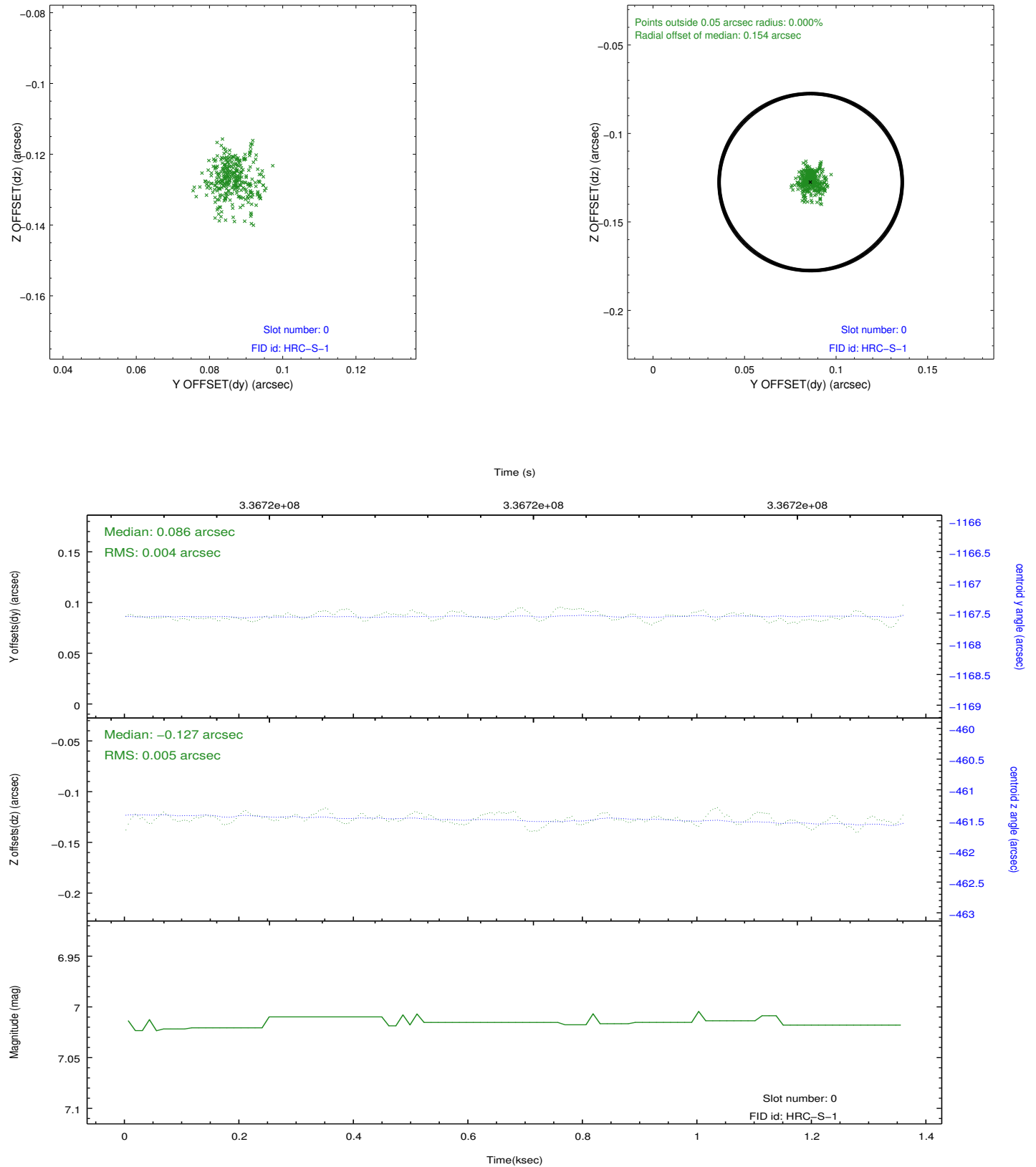


2.4.5 Slot 7

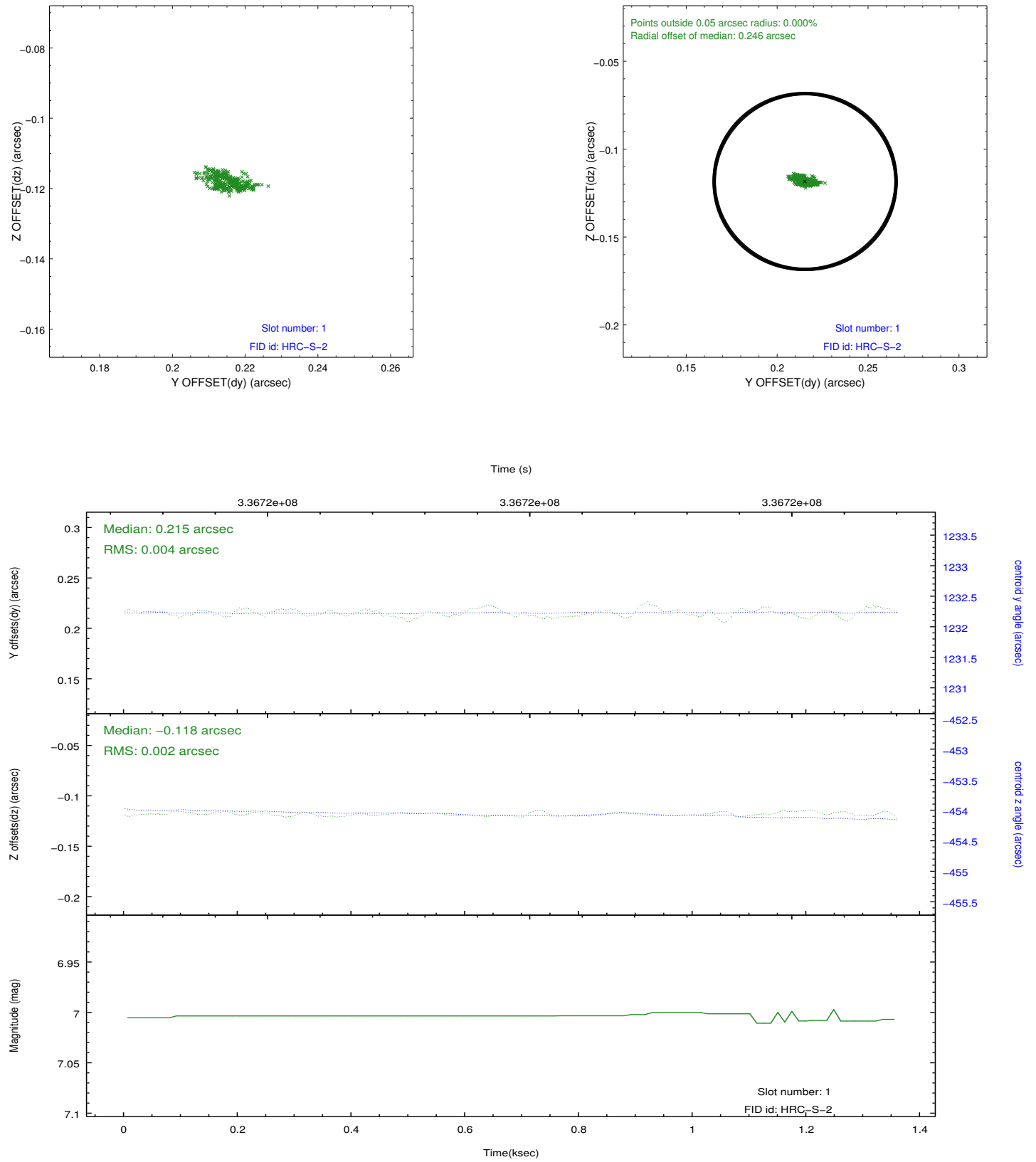


2.5 FID Slots

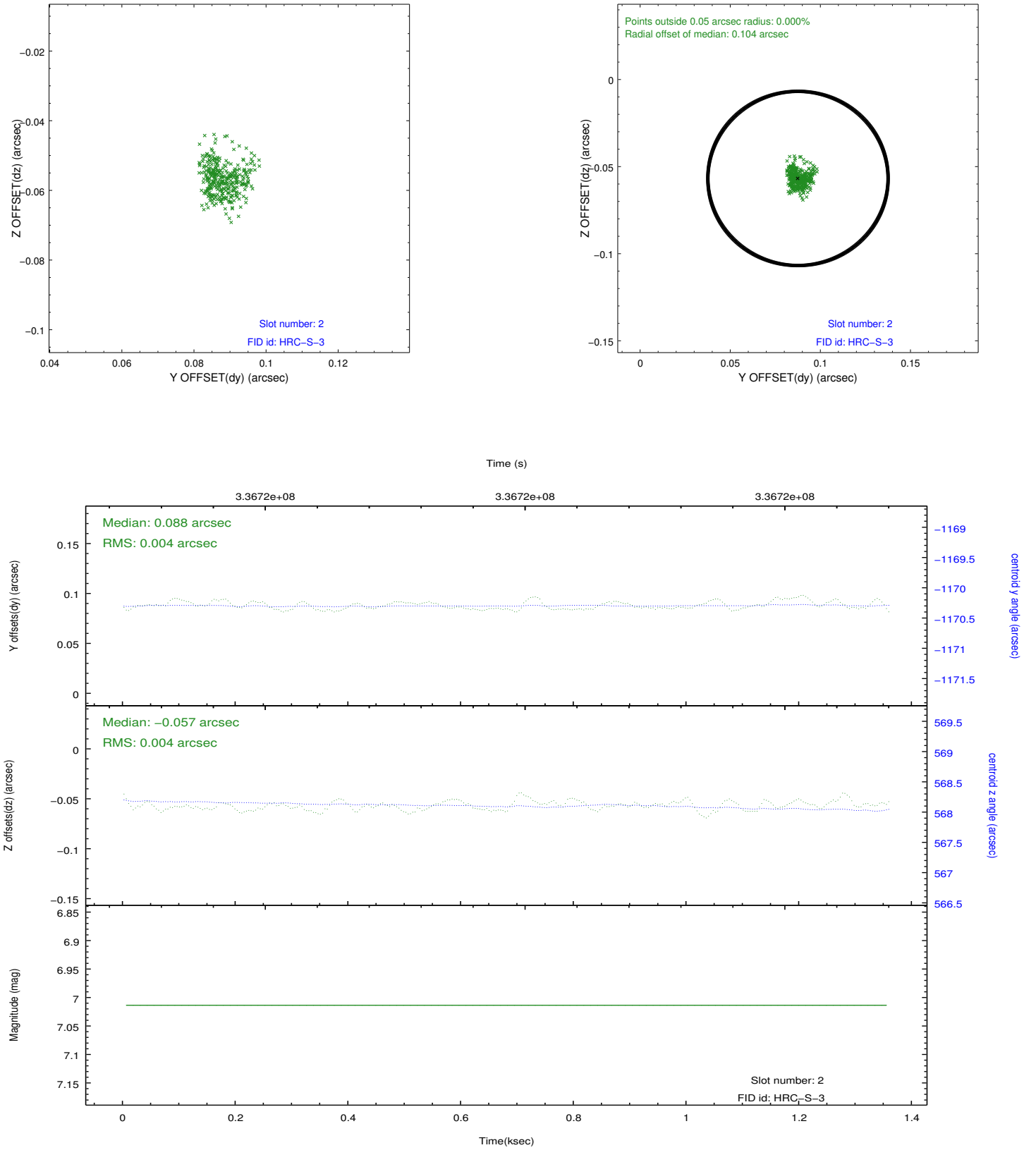
2.5.1 Slot 0



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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.32942506

A.2 Comments