

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11924 - L2 Version 2
Chandra X-Ray Center

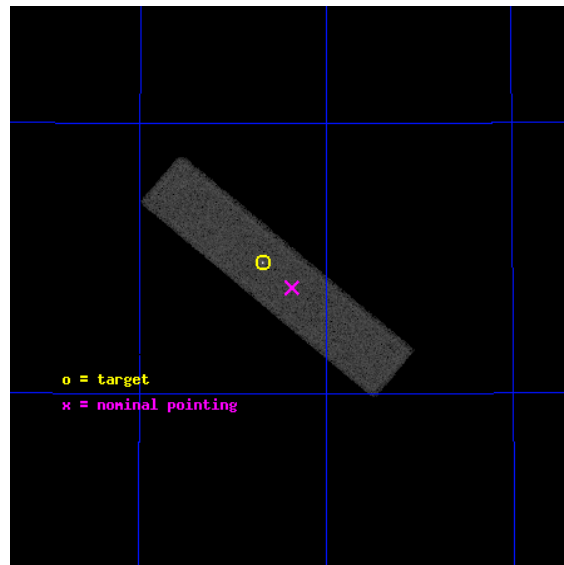
L2 Processing Date : Jul 3 2012

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

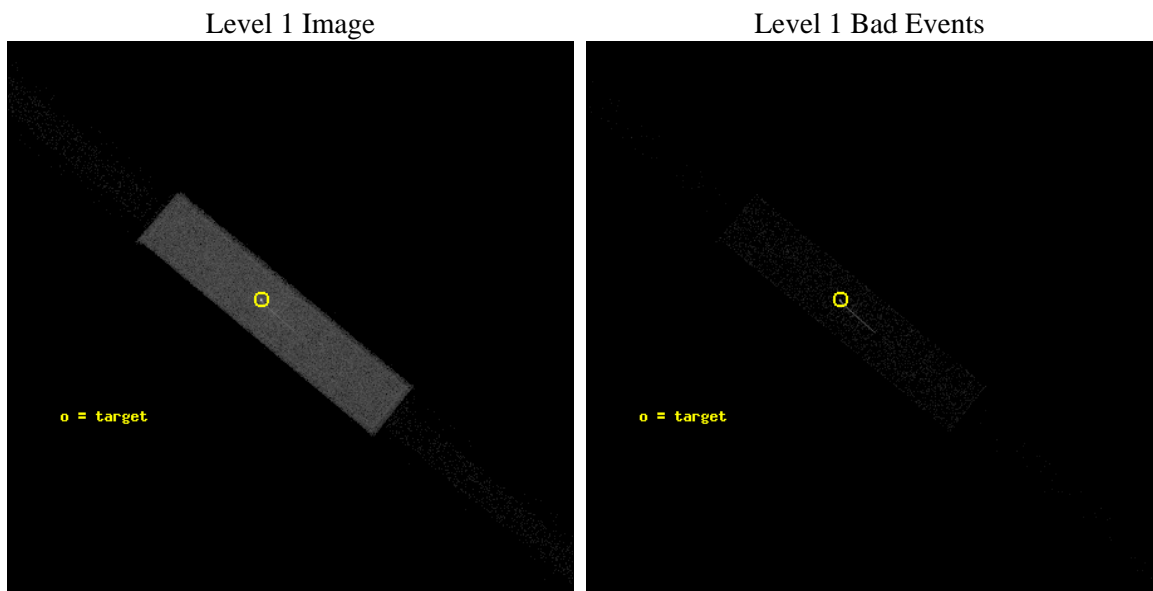
seq_num	290913	Sequence number
obs_id	11924	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09212965906	Nominal RA [deg]
dec_nom	45.69626697946	Nominal Dec [deg]
roll_nom	219.5461376753	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1153.3813092113	[s]
livetime	1143.2942675048	Ontime multiplied by DTCOR
l2events	75726	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	8.4.5	Processing system revision	ontime	1153.3813092113	[s]
caldsver	4.5.0	 	l1events	116901	Number of level 1 events
date	2012-07-03T23:47:53	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

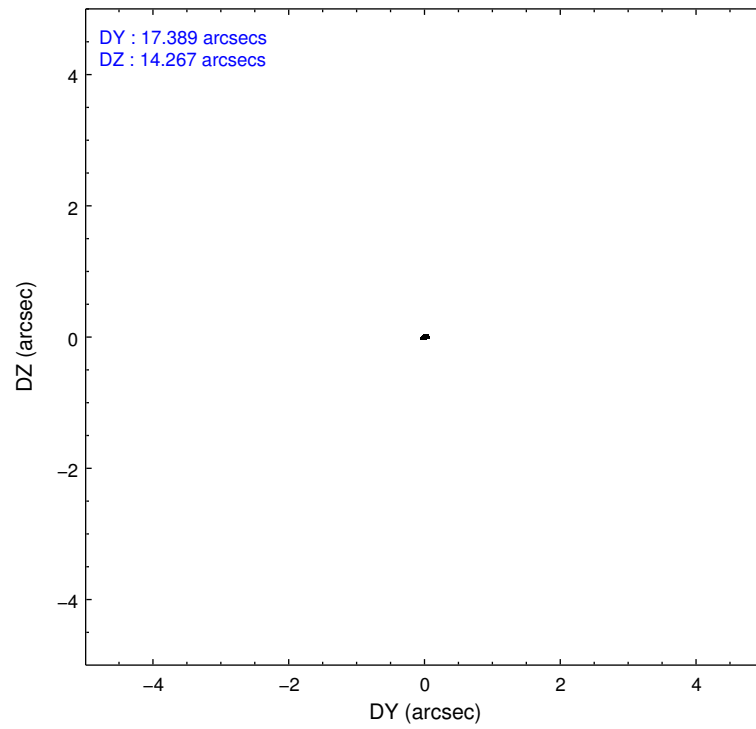
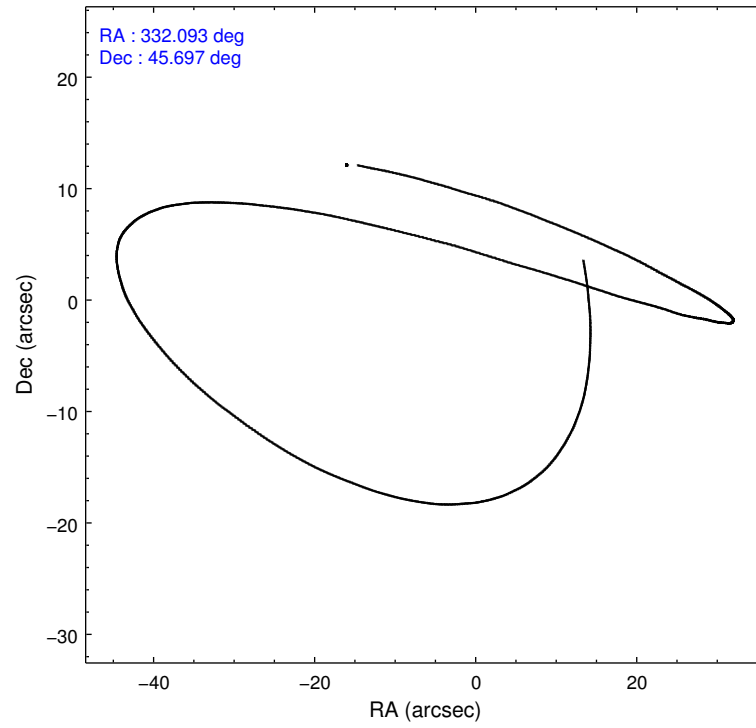
	segment 1	segment 2	segment 3
level 1 events	977	114976	948
rejected events	977	26562	948
rejected %	100%	23%	100%

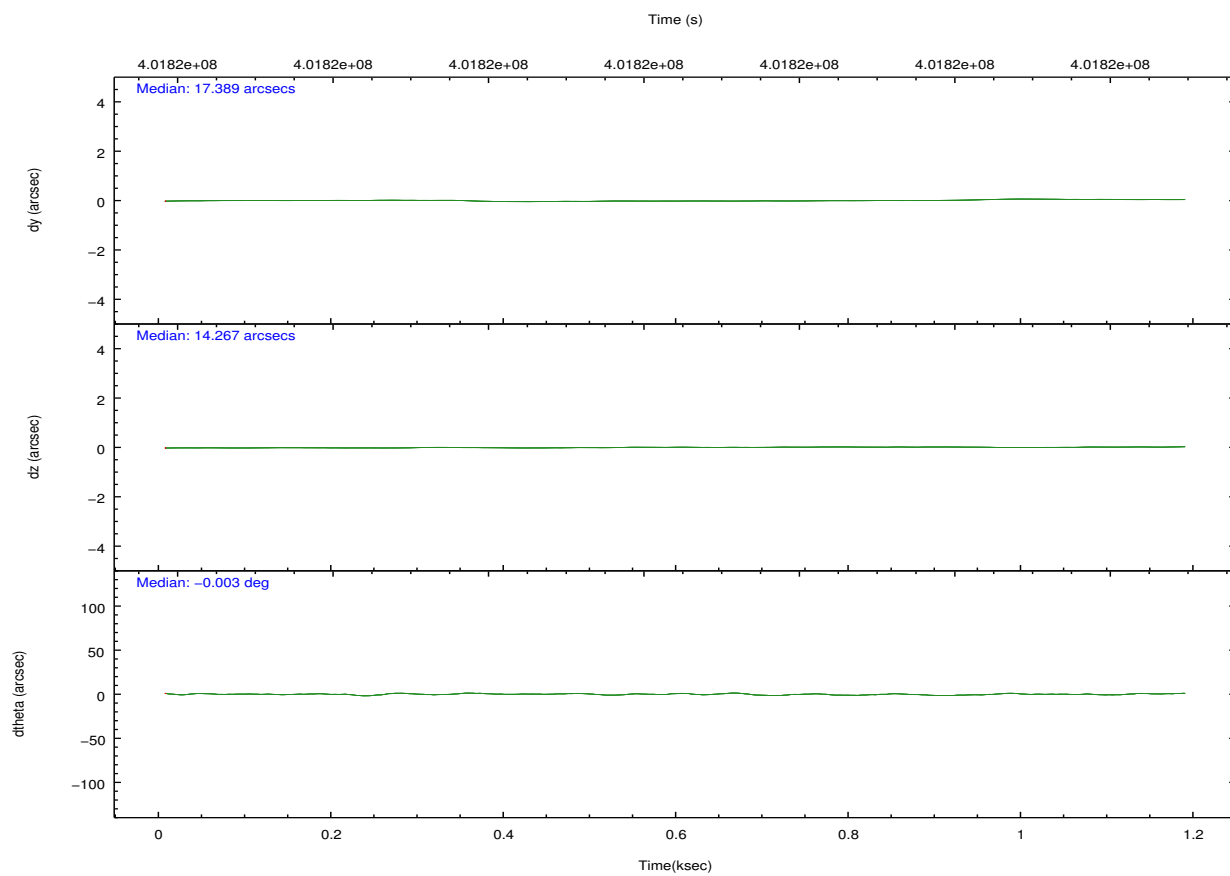
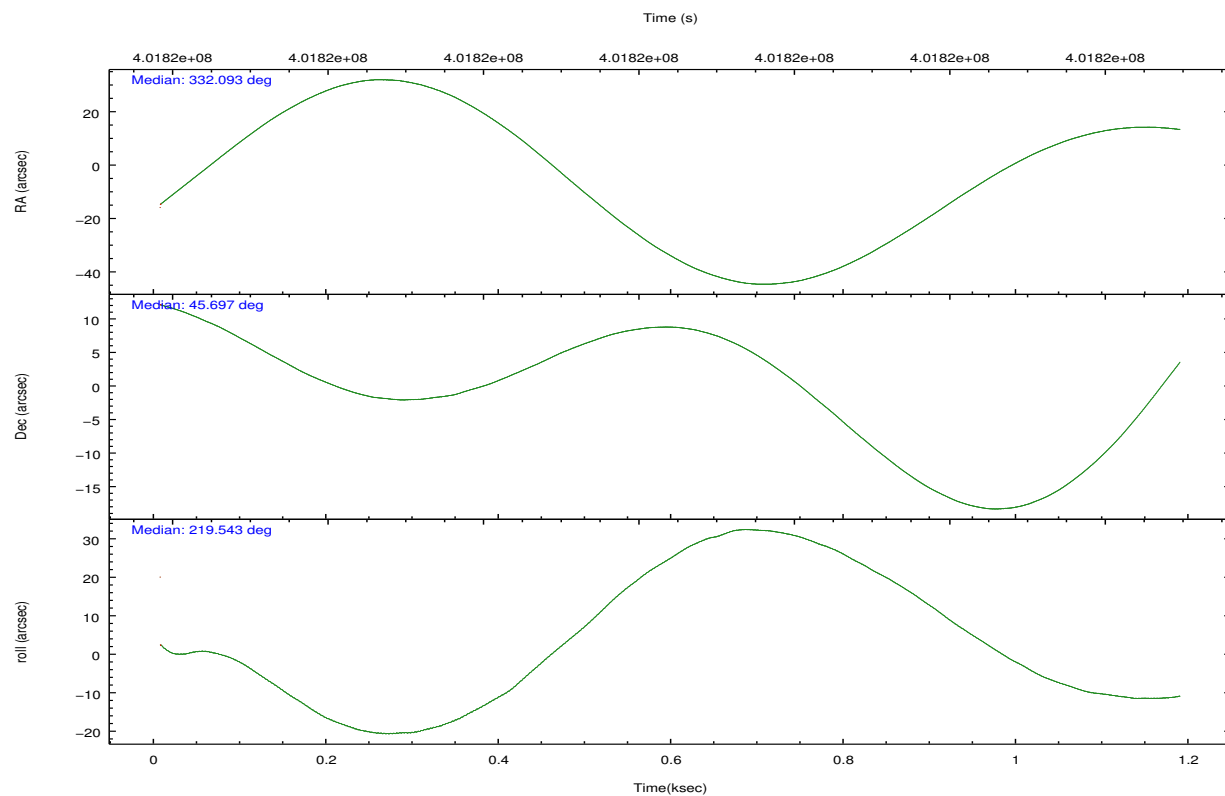
2.2 Compared Parameters

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	332.103369	332.0921296590597
[deg] Pointing Dec	45.724326	45.69626697945993
[deg] Pointing Roll	219.470861	219.5461376753007
[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)	401818239.184000	401817863.32696
Observation start date	2010-09-25T16:09:33	2010-09-25T16:04:23
[s] Observation end time (MET)	401819239.184000	401819373.66454
Observation end date	2010-09-25T16:26:13	2010-09-25T16:29:33

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

2.3 Aspect



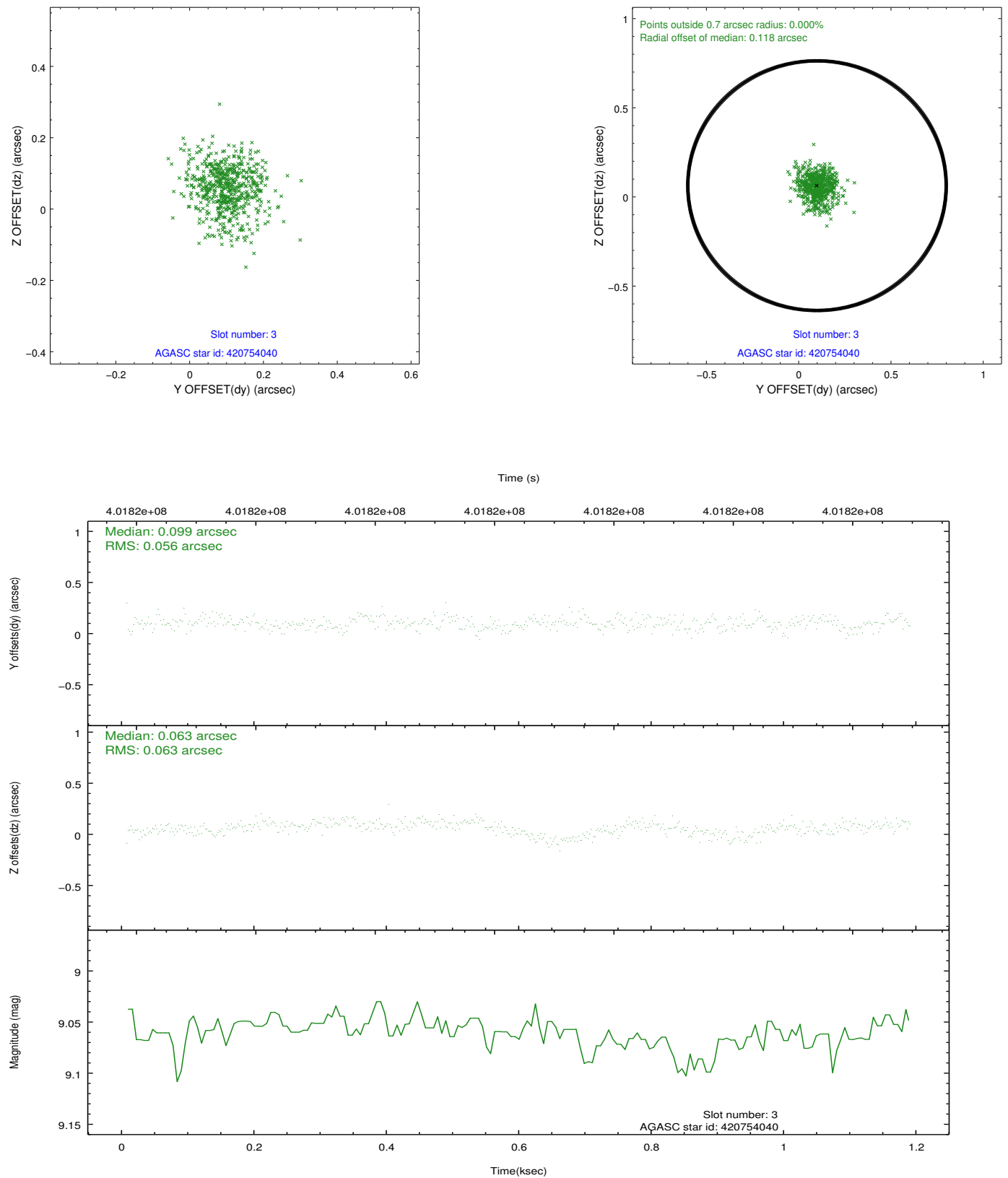


Slot Statistics

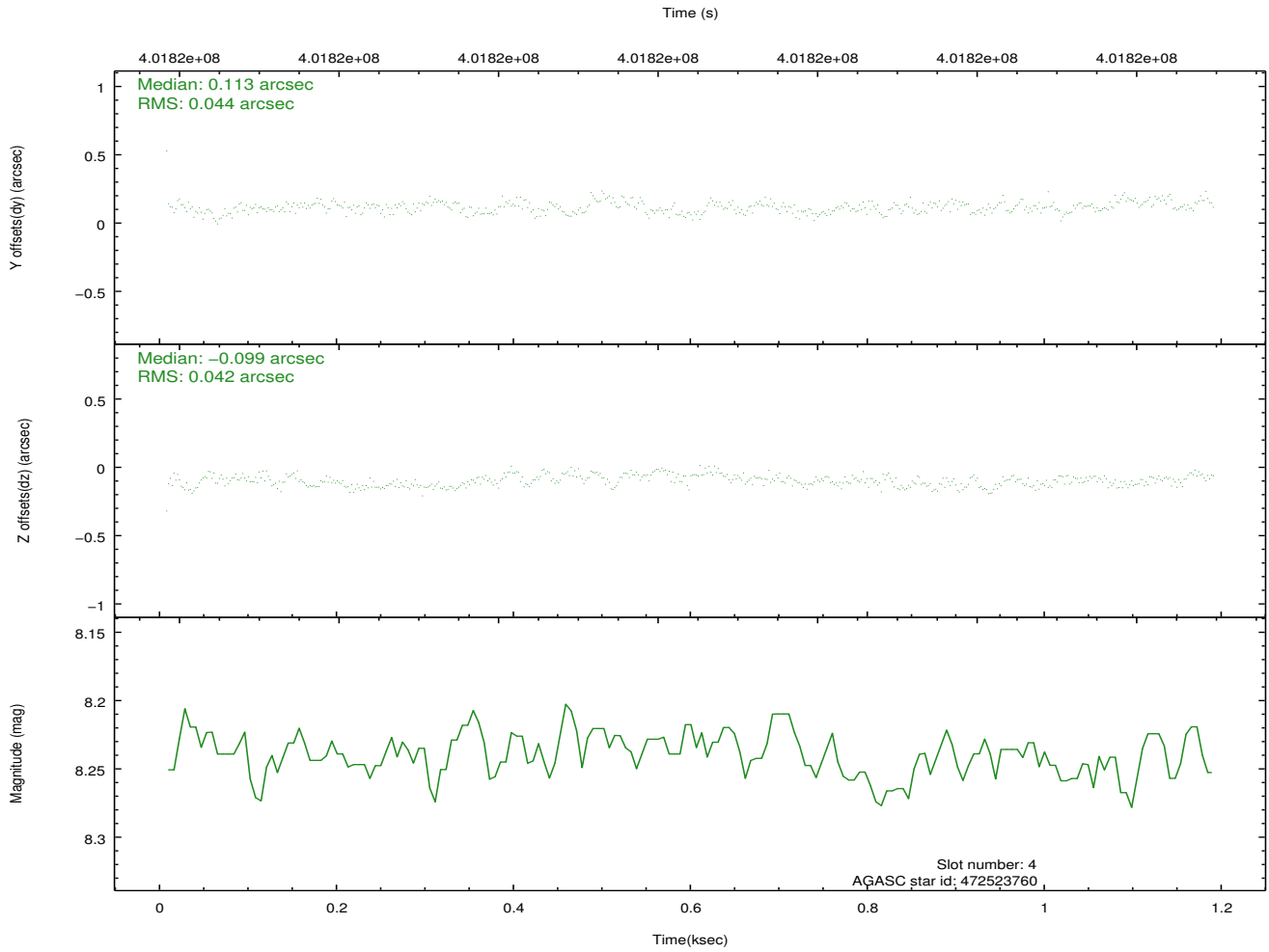
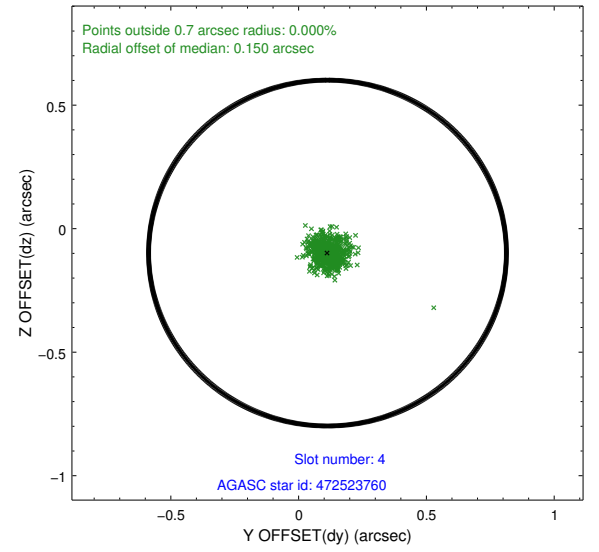
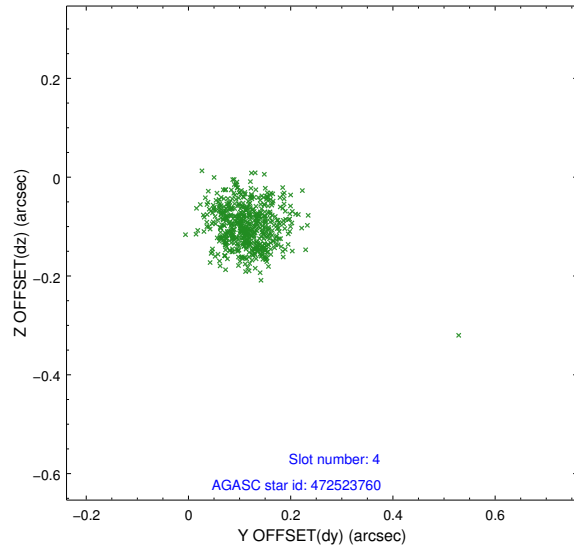
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	289	0.046	-0.201	0.006	0.010	0.000000	0.000000	-1171.89	-463.14
1	FID	HRC-S-2	6.97	289	0.273	-0.126	0.006	0.011	0.000000	0.000000	1223.94	-457.31
2	FID	HRC-S-3	7.01	289	0.070	0.024	0.006	0.011	0.000000	0.000000	-1170.35	565.02
3	GUIDE	420754040	9.06	578	0.099	0.063	0.088	0.150	331.917939	44.882543	2291.09	2035.26
4	GUIDE	472523760	8.24	578	0.113	-0.099	0.062	0.097	331.645363	45.403260	1631.51	153.60
5	GUIDE	472525528	6.64	578	-0.248	0.046	0.081	0.141	331.551102	45.248694	2169.50	425.03
6	GUIDE	472533912	9.15	576	0.081	0.241	0.124	0.216	331.791136	46.368695	-871.94	-2287.69
7	GUIDE	472651904	6.21	577	-0.045	-0.250	0.079	0.139	332.170077	45.742257	-170.92	48.02

2.4 Star Slots

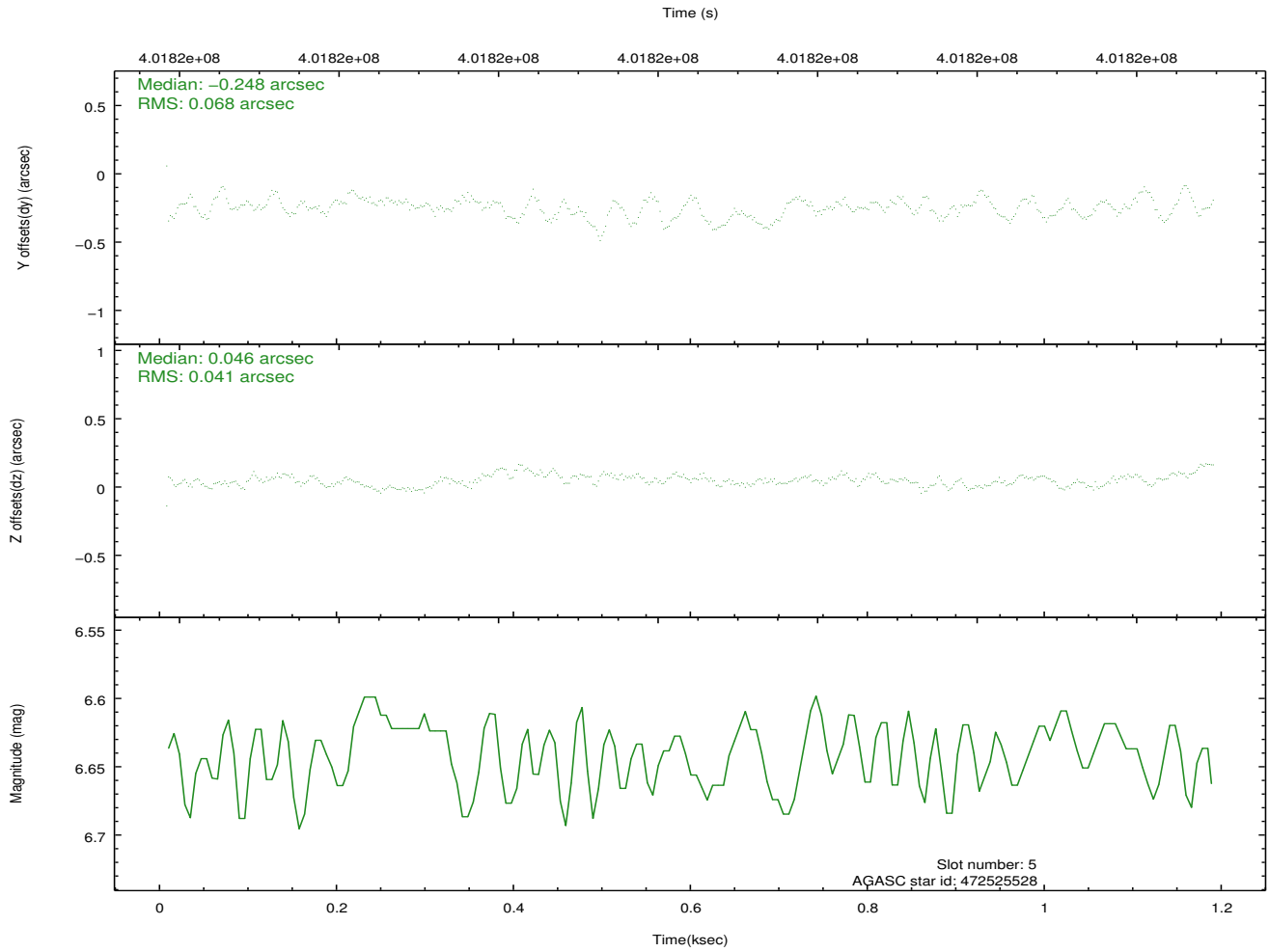
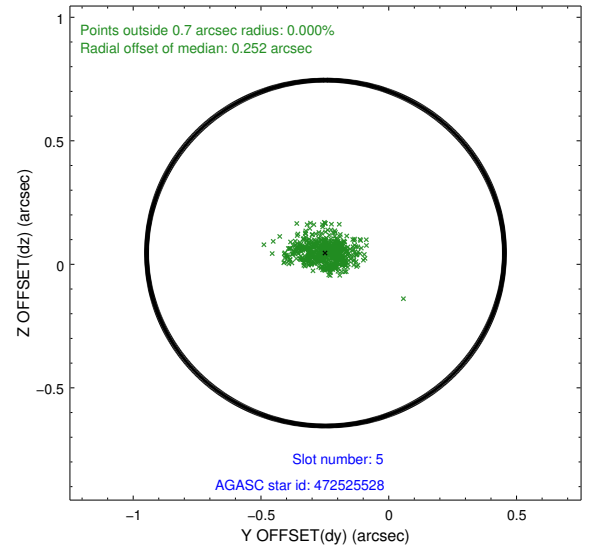
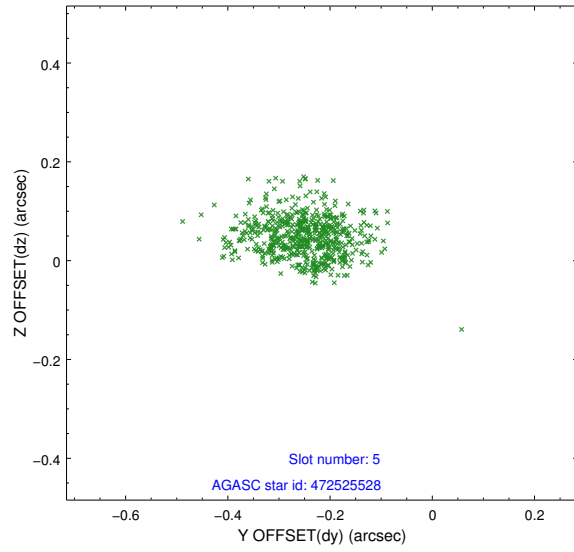
2.4.1 Slot 3



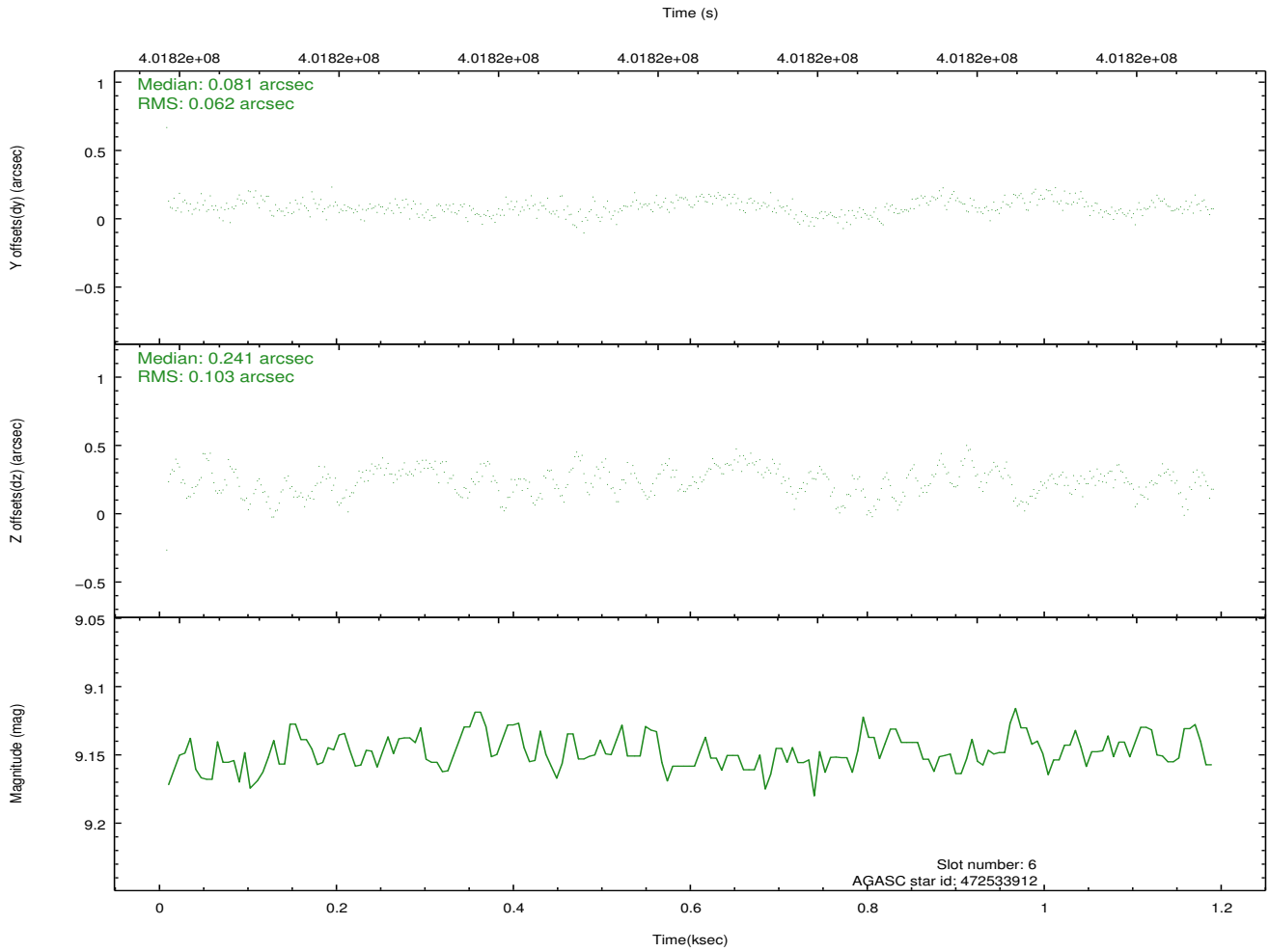
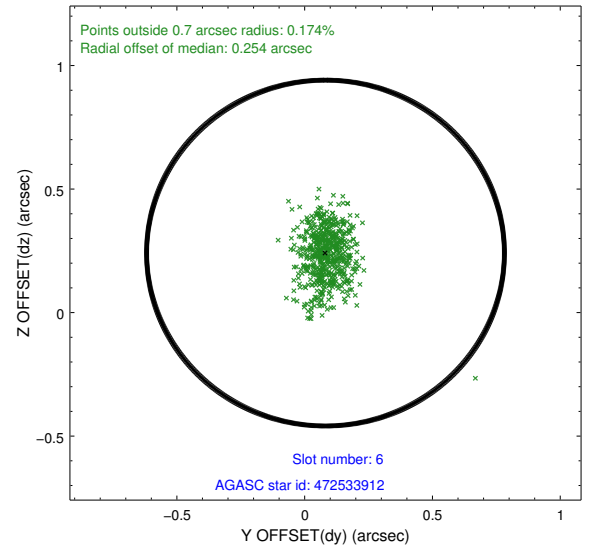
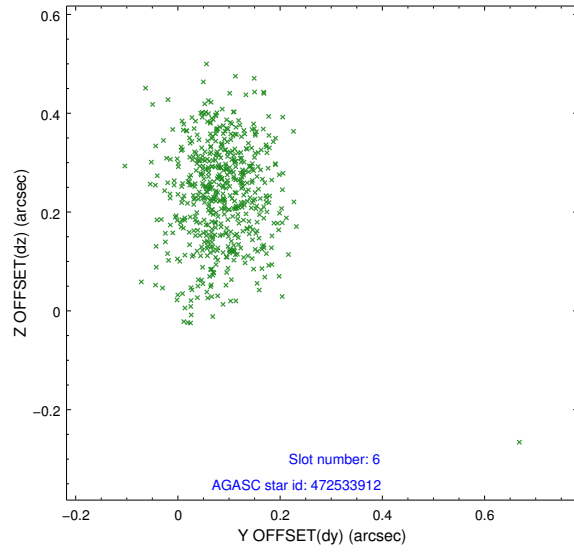
2.4.2 Slot 4



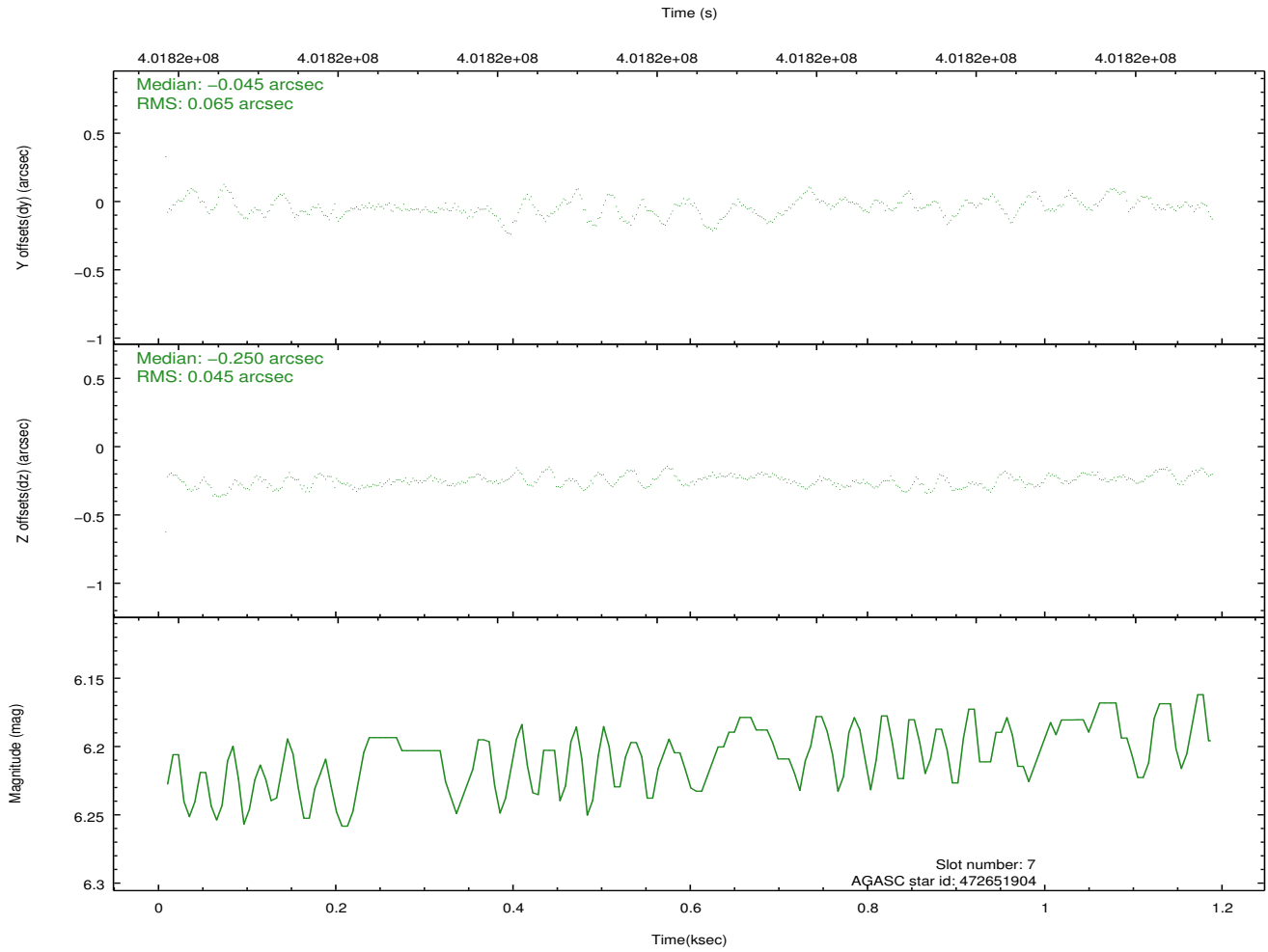
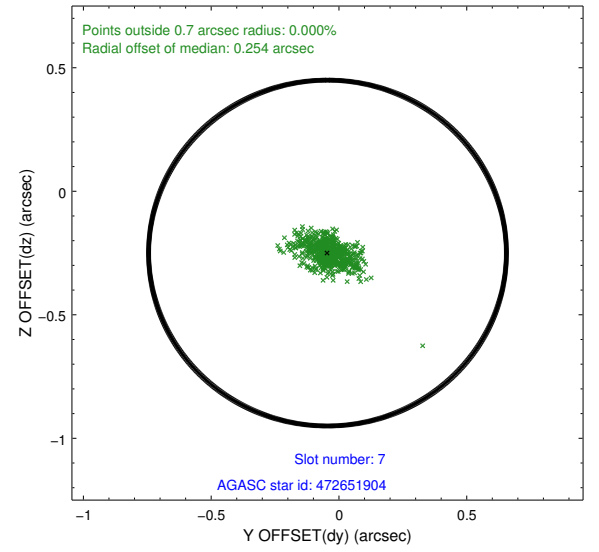
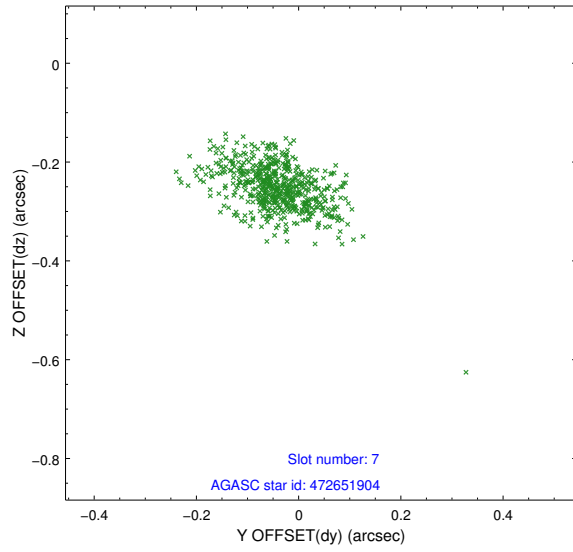
2.4.3 Slot 5



2.4.4 Slot 6

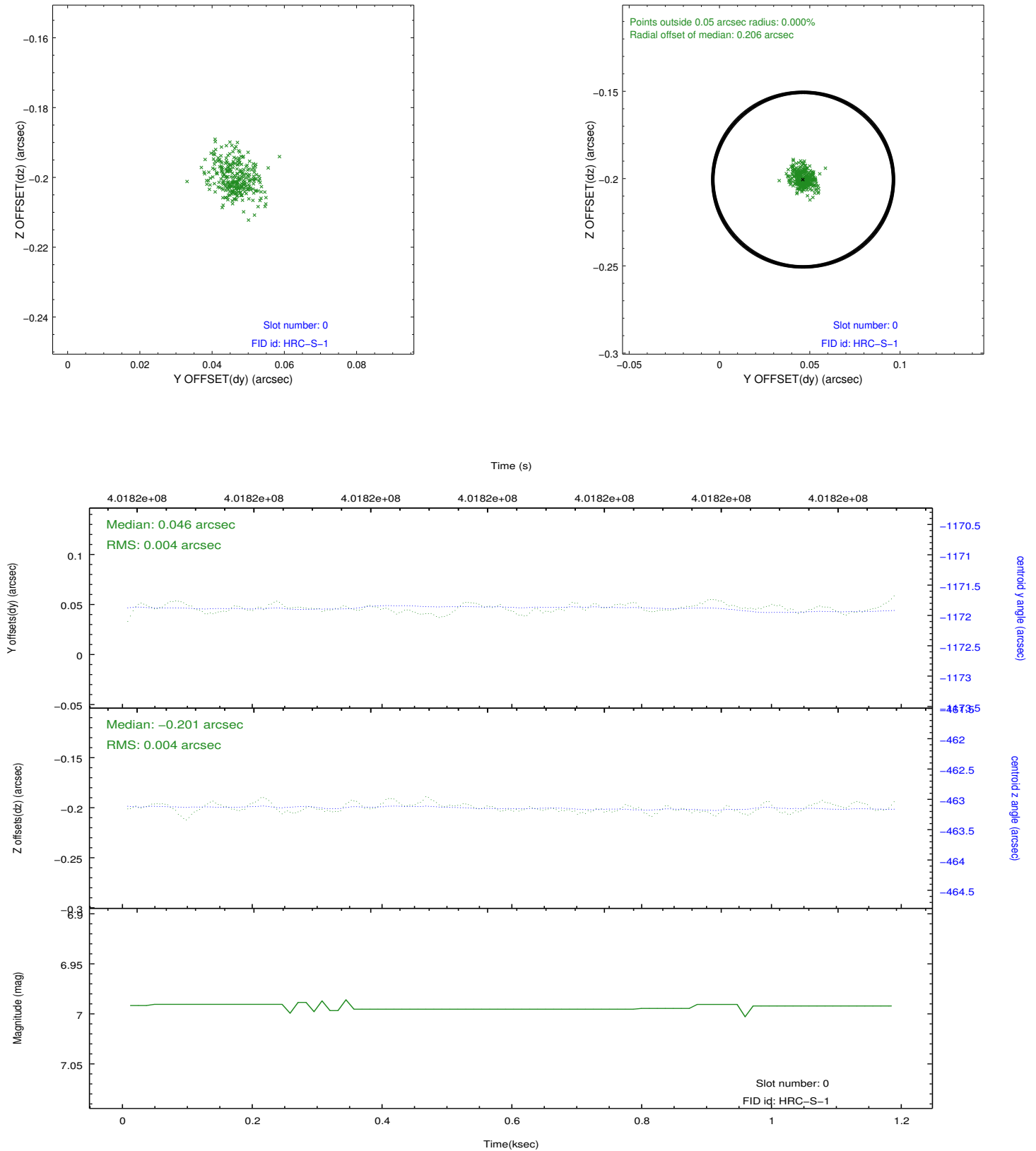


2.4.5 Slot 7

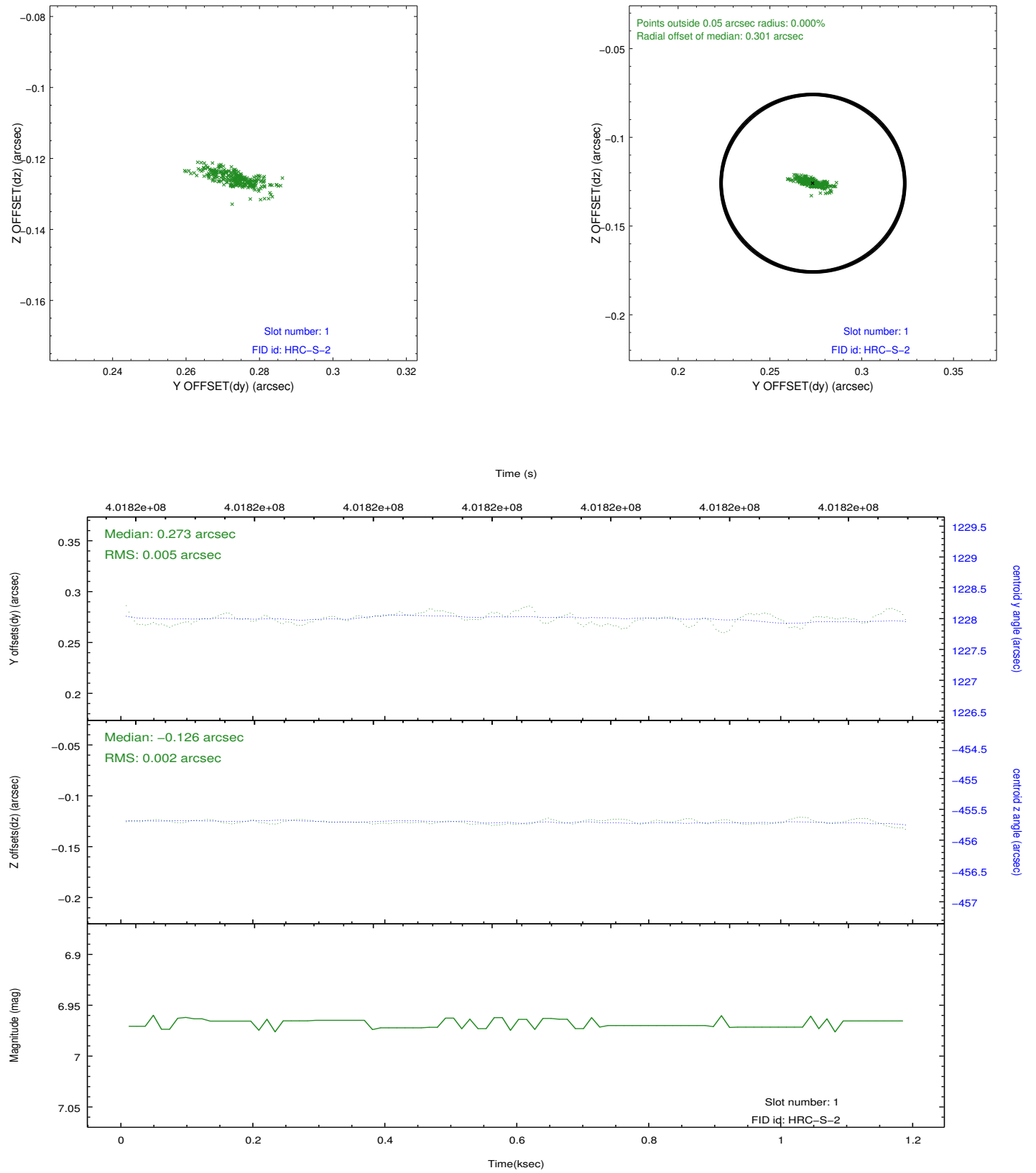


2.5 FID Slots

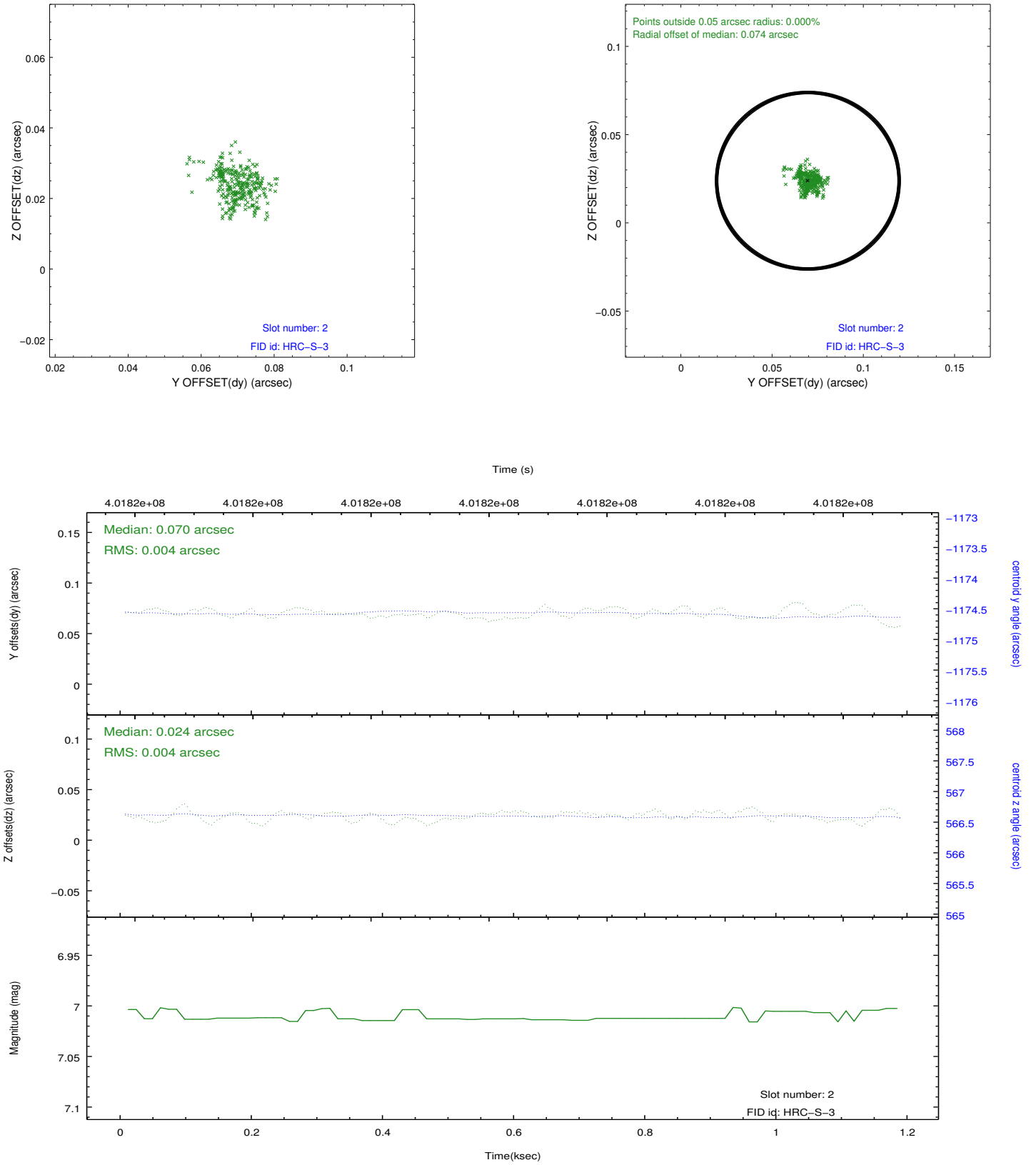
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.153381309092

A.2 Comments