

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11927 - L2 Version 2
Chandra X-Ray Center

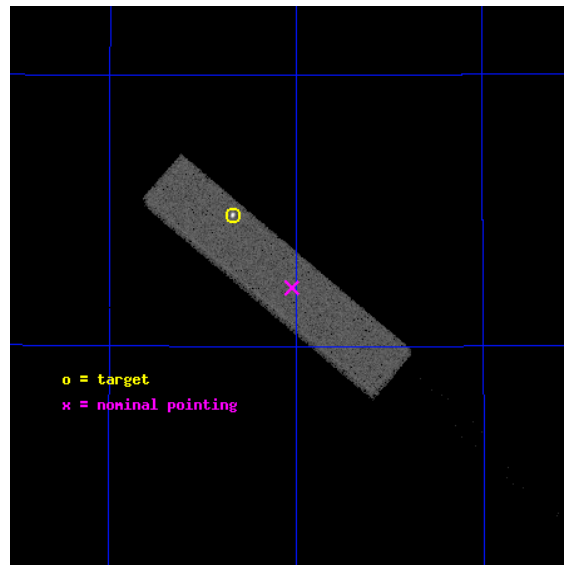
L2 Processing Date : Jul 3 2012

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

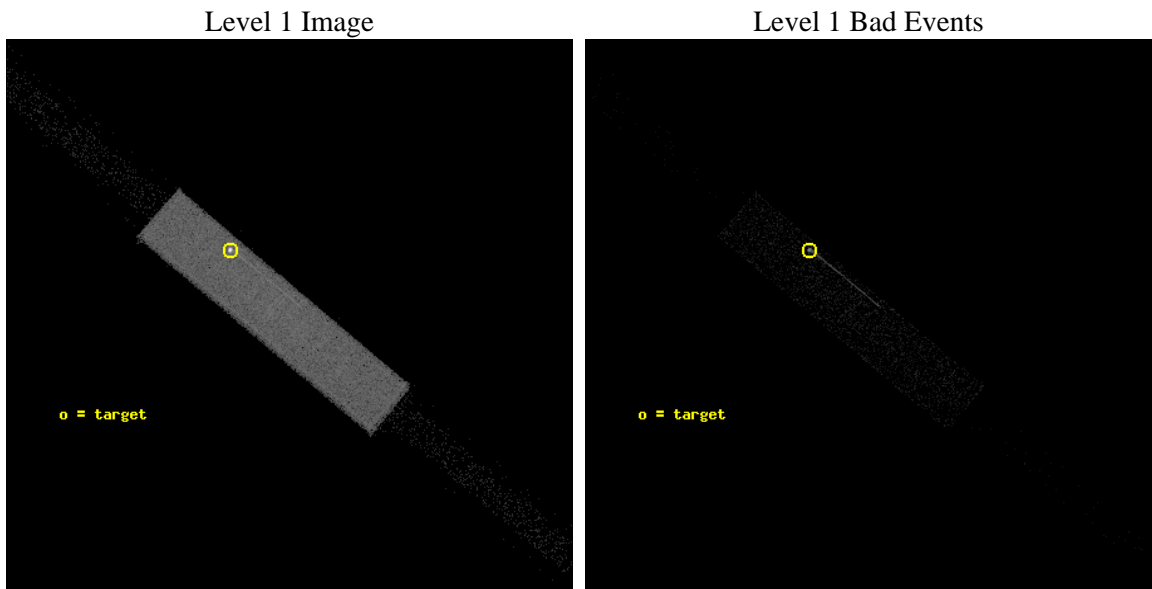
seq_num	290916	Sequence number
obs_id	11927	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.01137106036	Nominal RA [deg]
dec_nom	45.608071008464	Nominal Dec [deg]
roll_nom	219.91391033609	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1151.3313089609	[s]
livetime	1141.9000317684	Ontime multiplied by DTCOR
l2events	69884	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	1151.3313089609	[s]
caldsver	4.5.0	 	l1events	108772	Number of level 1 events
date	2012-07-04T00:00:13	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

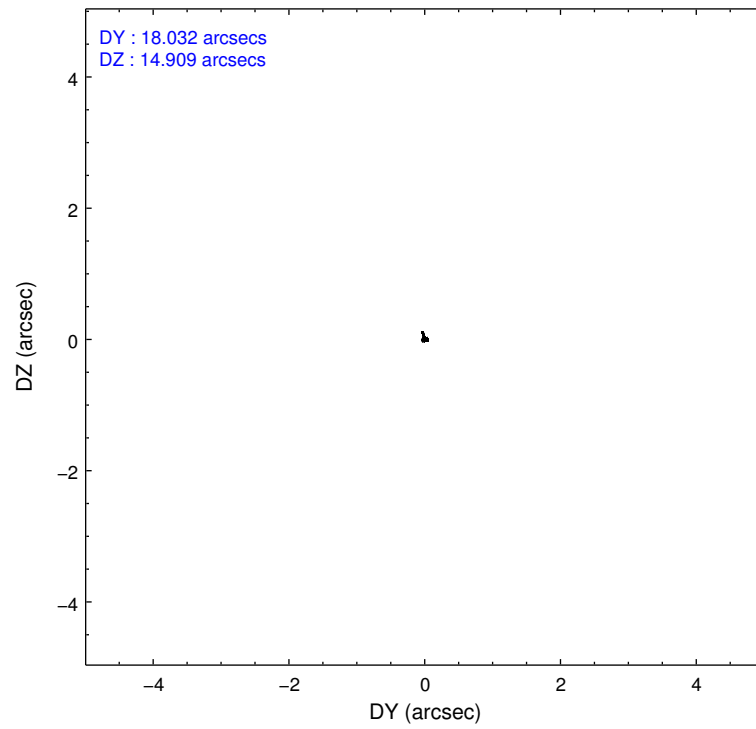
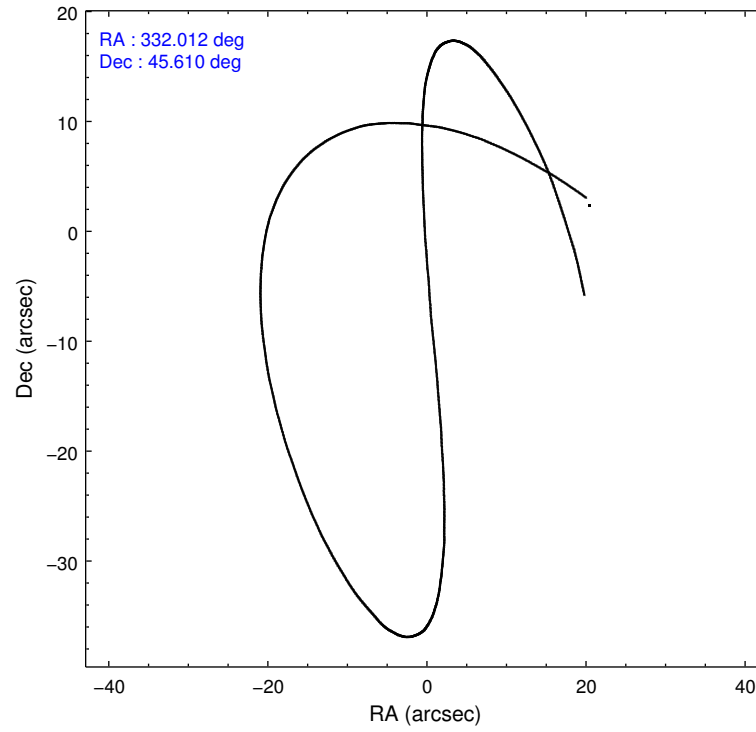
	segment 1	segment 2	segment 3
level 1 events	895	107016	861
rejected events	895	24639	834
rejected %	100%	23%	96%

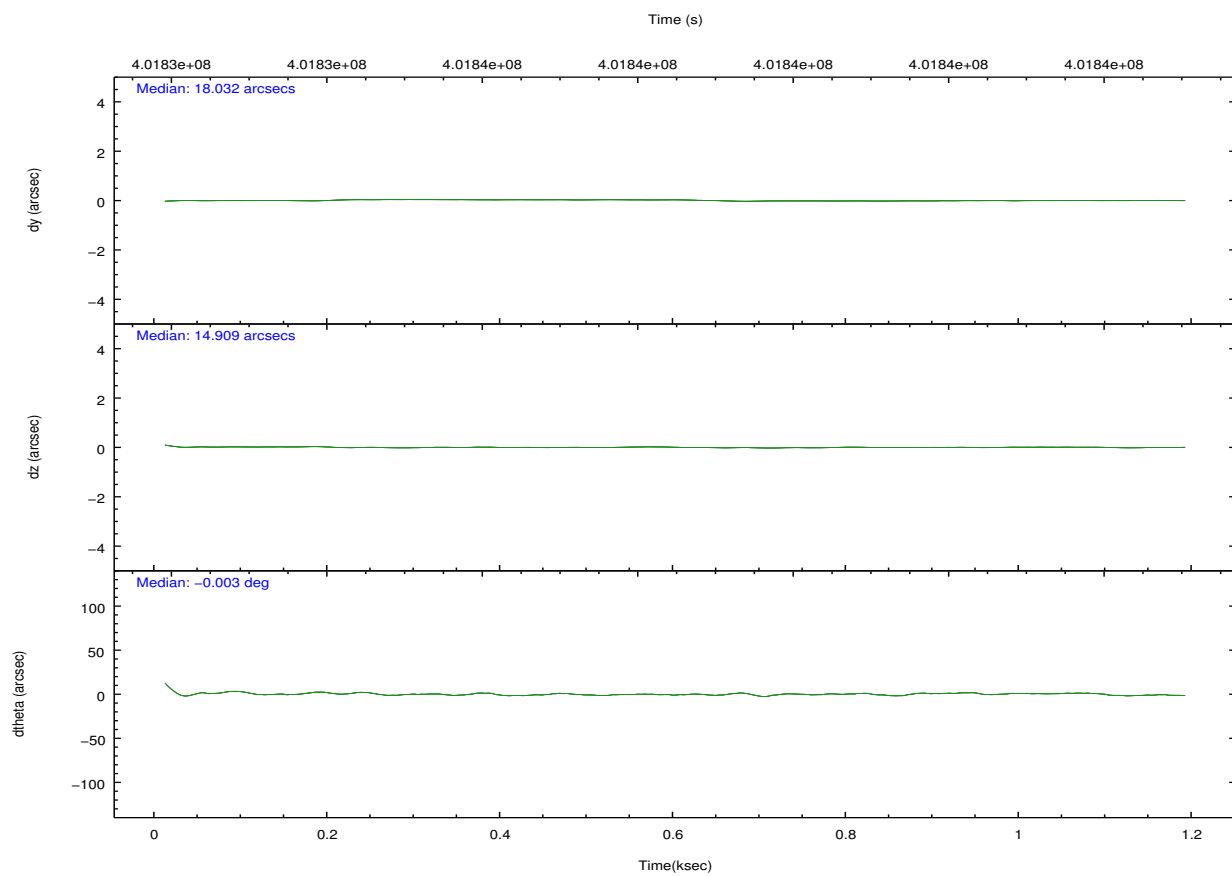
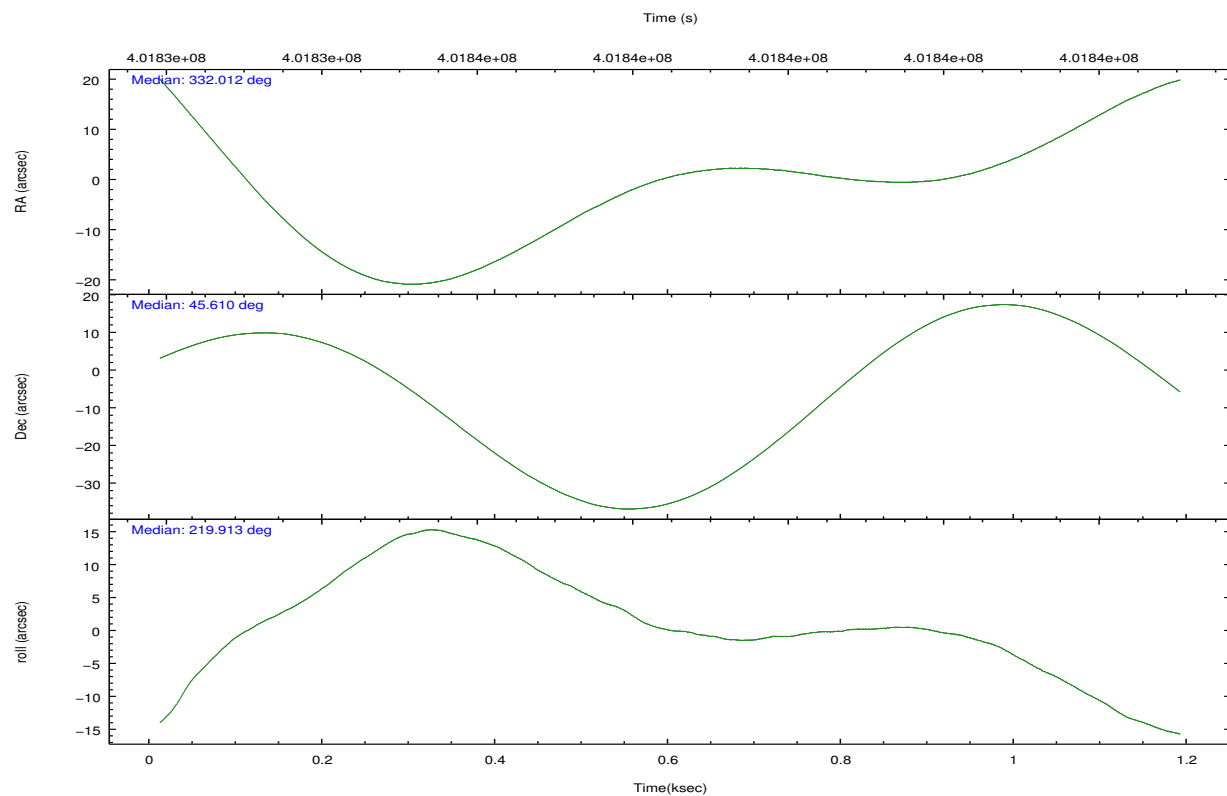
2.2 Compared Parameters

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	332.024104	332.0113710603574
[deg] Pointing Dec	45.634455	45.60807100846429
[deg] Pointing Roll	219.837453	219.9139103360872
[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)	401834849.184000	401834473.45281
Observation start date	2010-09-25T20:46:23	2010-09-25T20:41:13
[s] Observation end time (MET)	401835849.184000	401835983.27789
Observation end date	2010-09-25T21:03:03	2010-09-25T21:06:23

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

2.3 Aspect



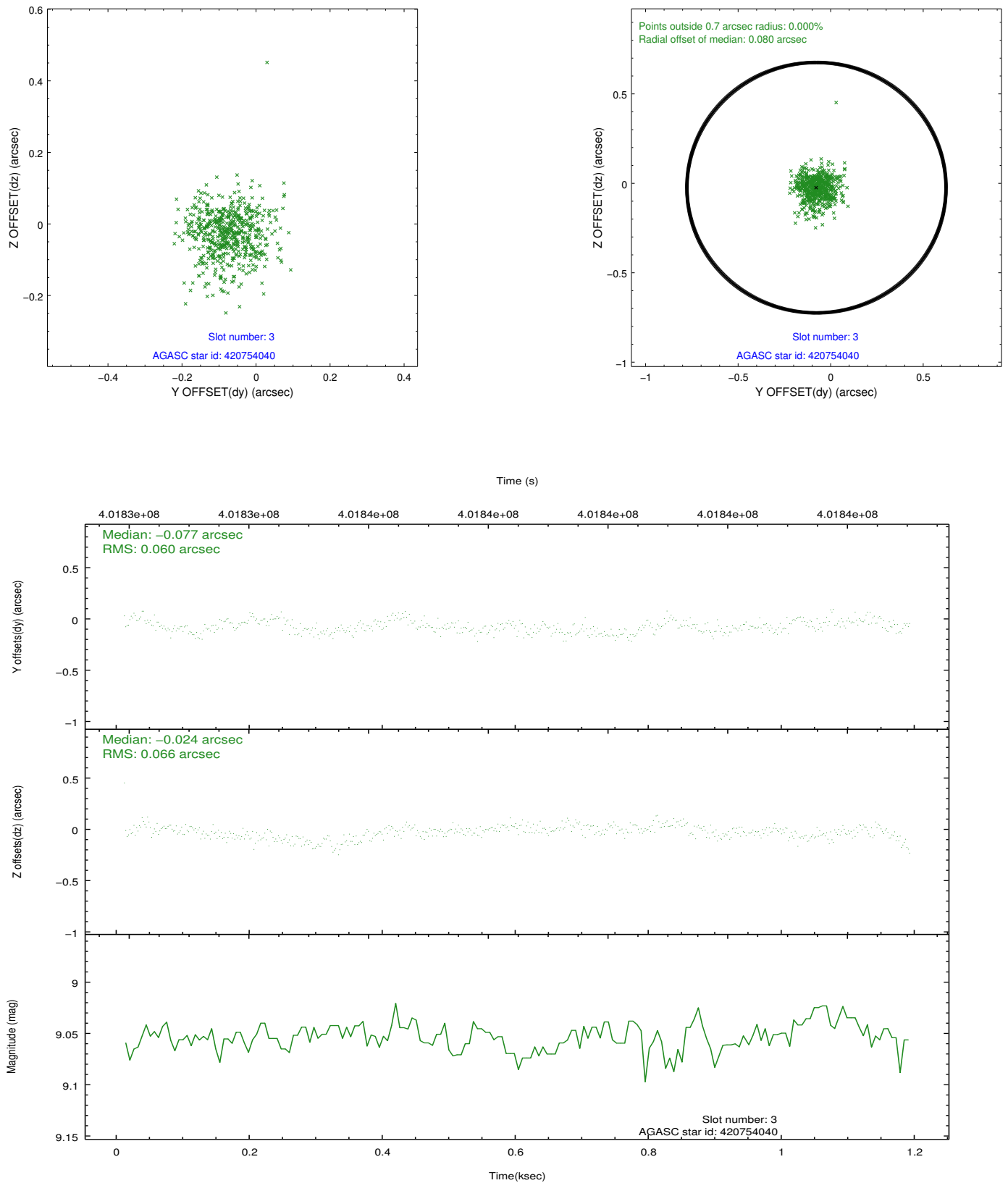


Slot Statistics

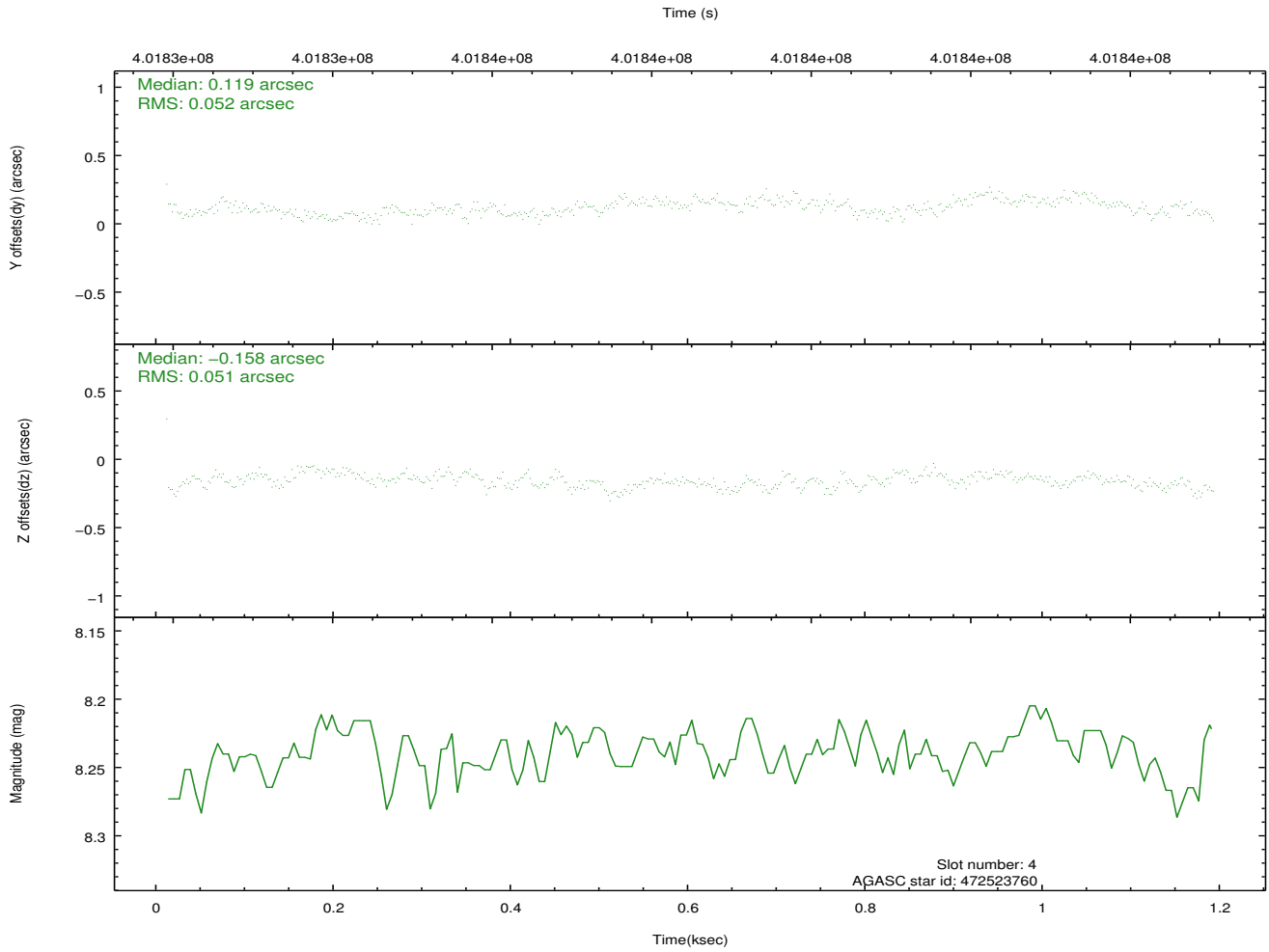
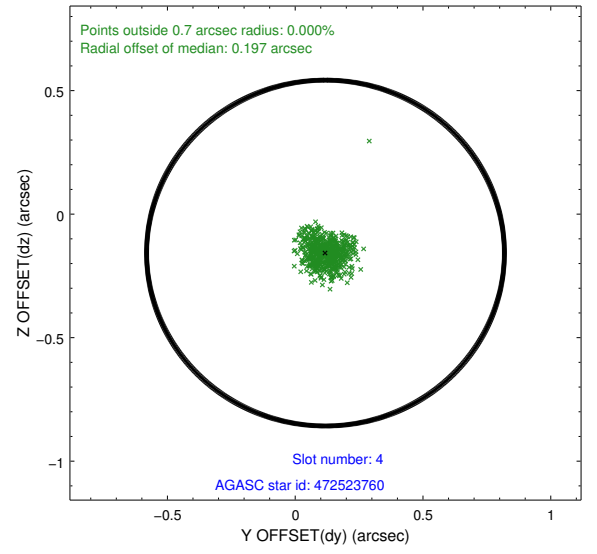
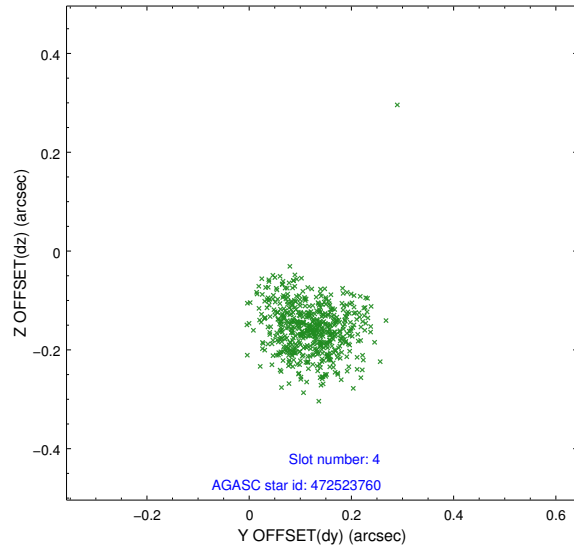
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	288	0.033	-0.247	0.006	0.011	0.000000	0.000000	-1172.57	-463.84
1	FID	HRC-S-3	7.01	288	0.067	0.008	0.007	0.011	0.000000	0.000000	-1179.32	564.33
2	FID	HRC-S-4	6.93	288	0.287	-0.059	0.004	0.009	0.000000	0.000000	1221.84	570.35
3	GUIDE	420754040	9.05	576	-0.077	-0.024	0.091	0.158	331.917939	44.882543	1942.29	1909.38
4	GUIDE	472523760	8.24	577	0.119	-0.158	0.077	0.122	331.645363	45.403260	1272.10	31.23
5	GUIDE	472527720	7.02	577	-0.166	0.026	0.077	0.127	331.460205	45.112509	2304.28	525.31
6	GUIDE	472533912	9.15	577	0.070	0.249	0.120	0.201	331.791136	46.368695	-1243.75	-2395.97
7	GUIDE	472655152	9.43	575	0.044	-0.084	0.120	0.187	332.504239	45.862991	-1454.09	136.40

2.4 Star Slots

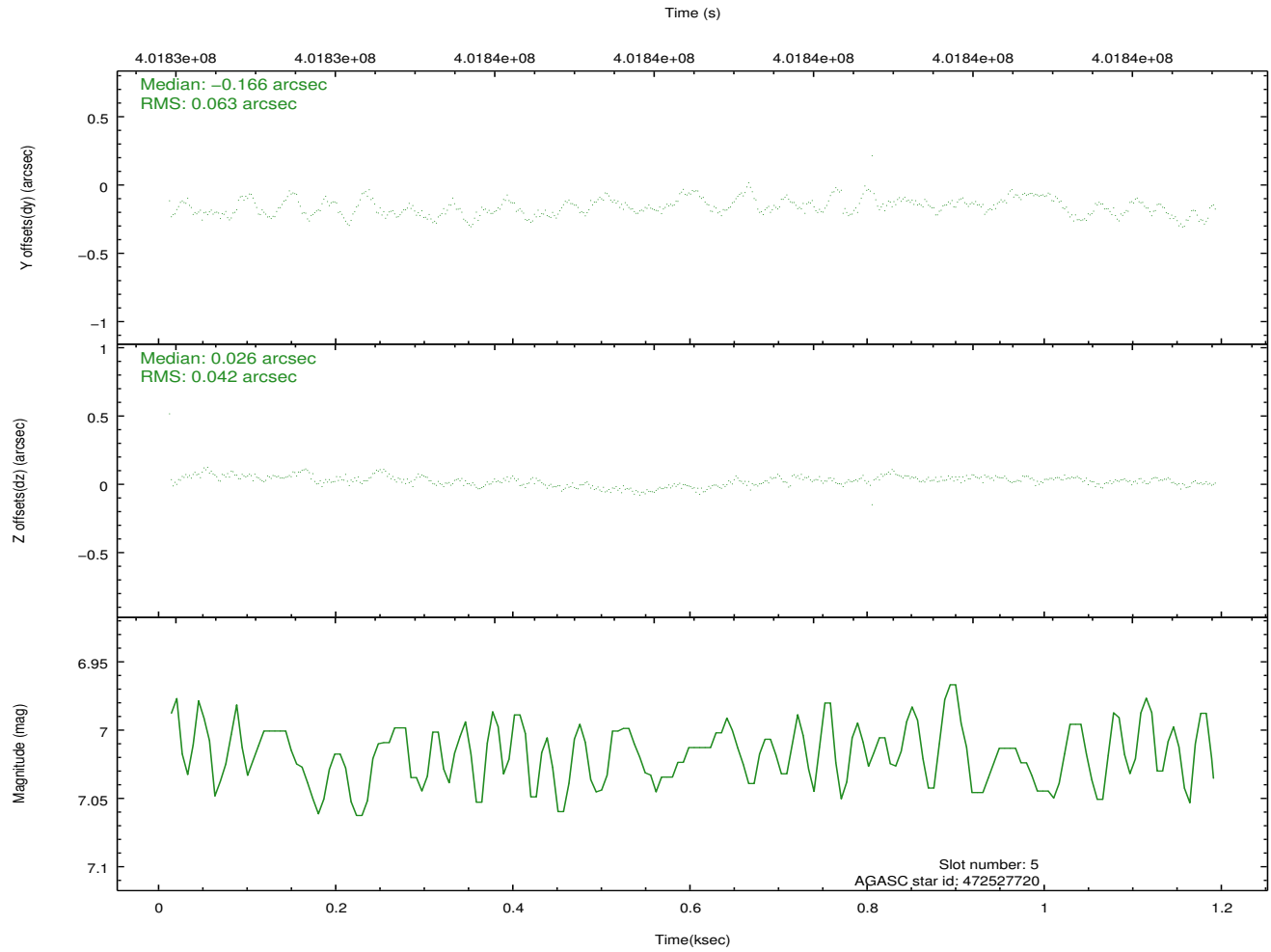
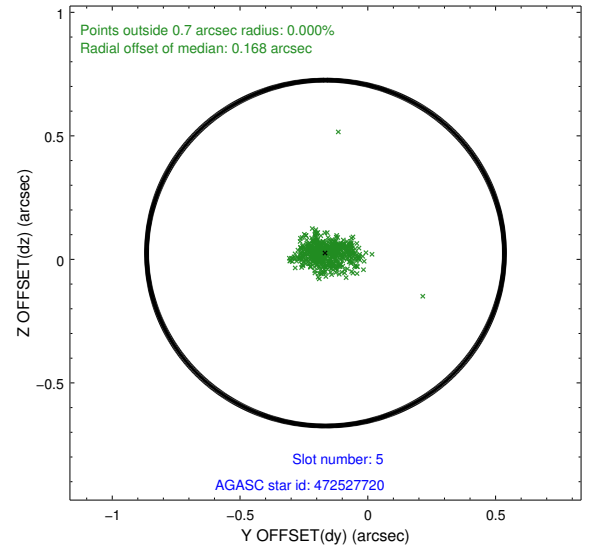
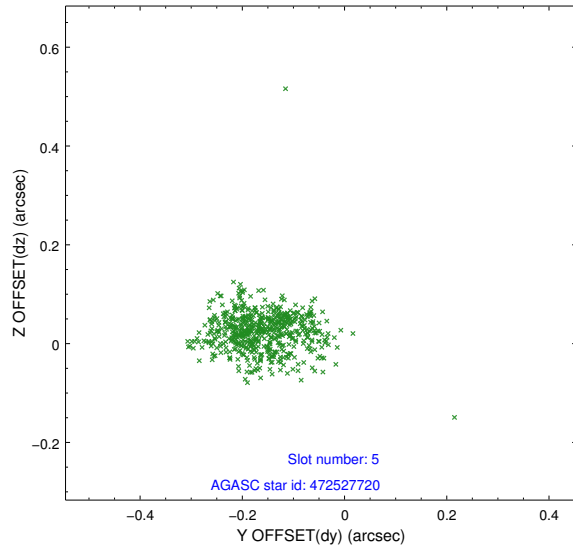
2.4.1 Slot 3



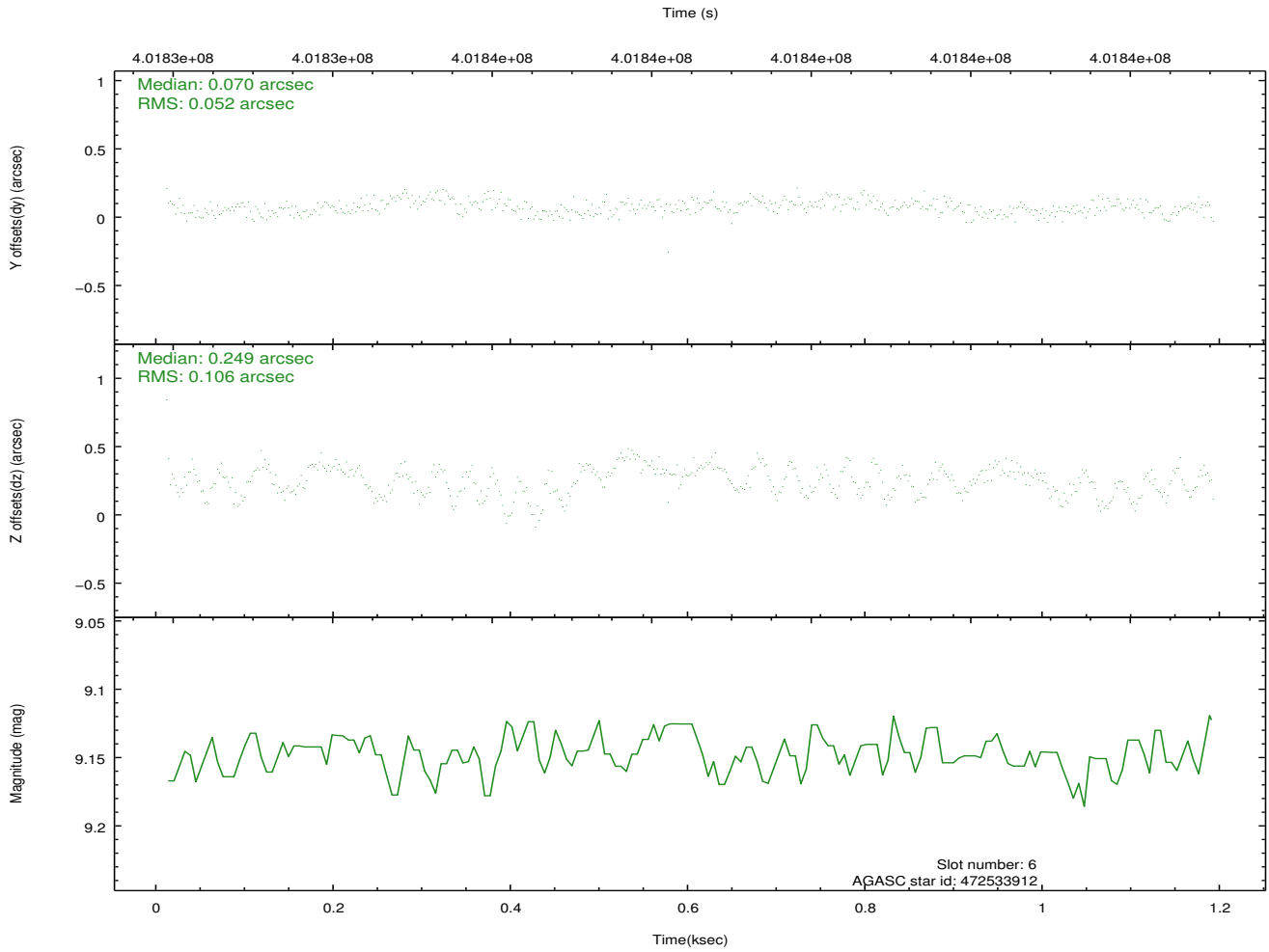
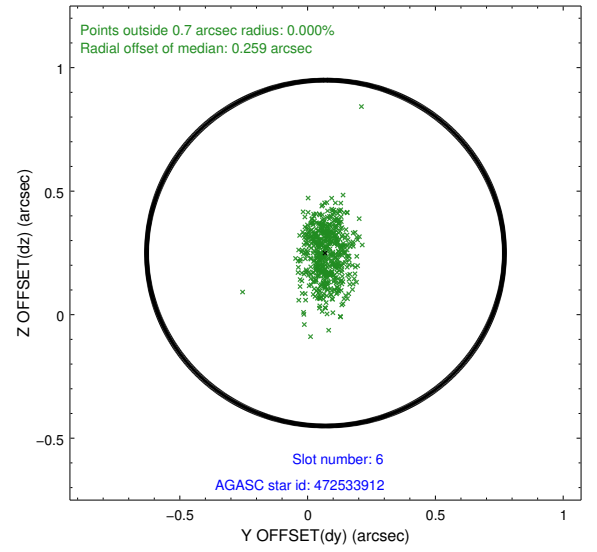
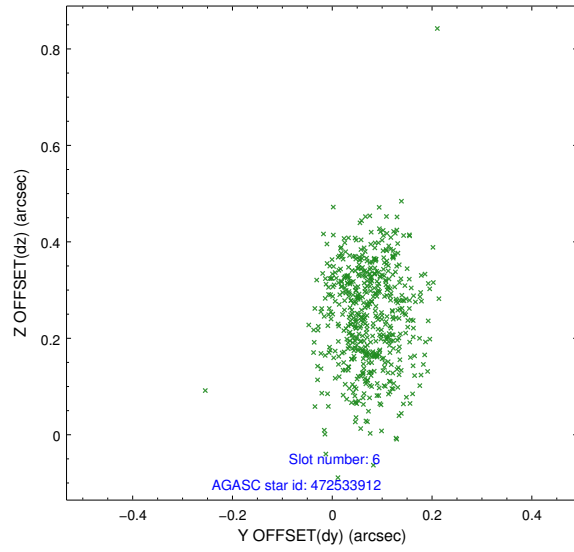
2.4.2 Slot 4



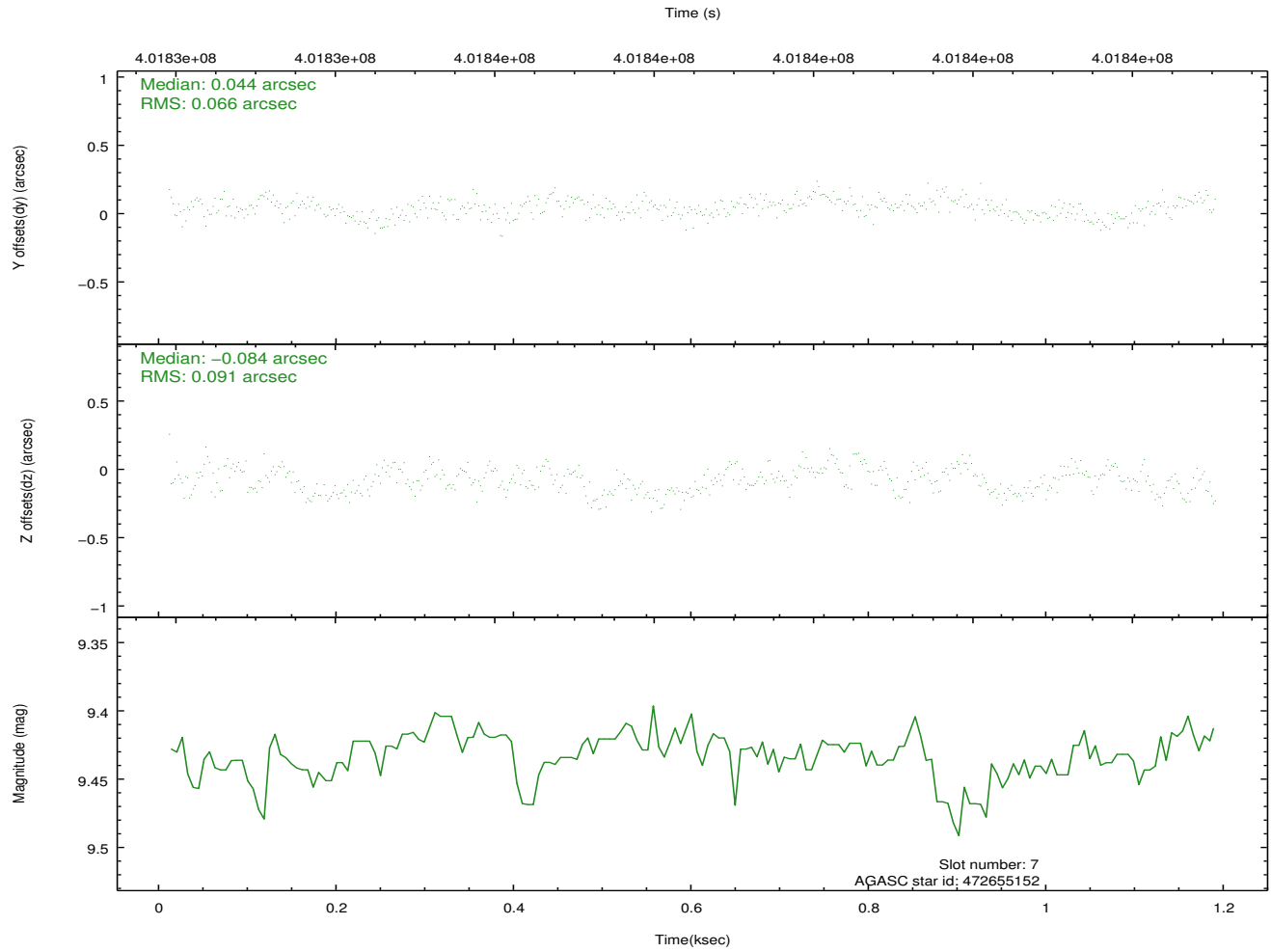
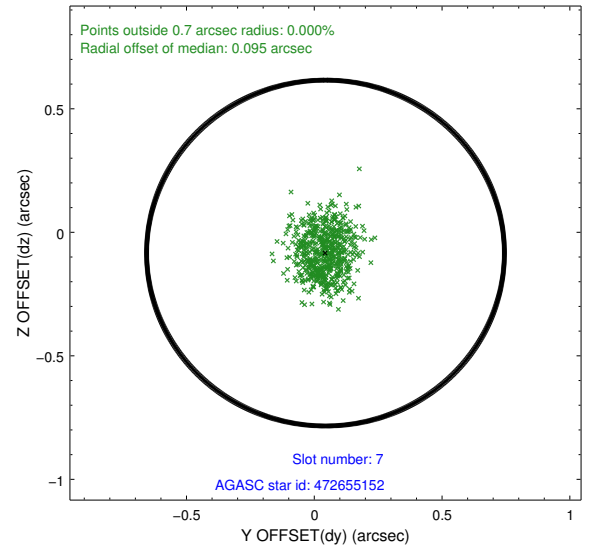
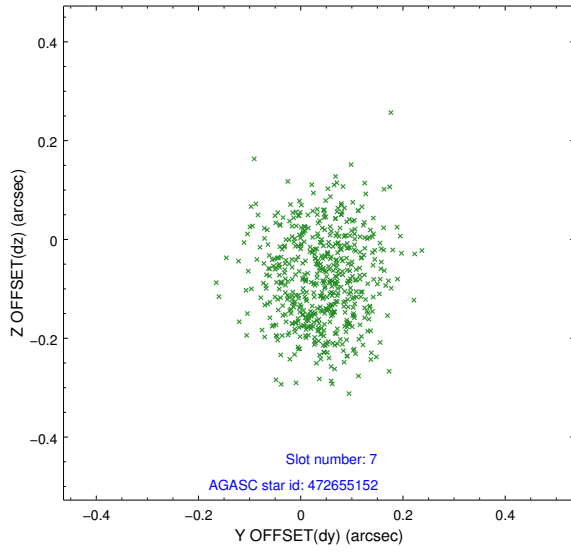
2.4.3 Slot 5



2.4.4 Slot 6

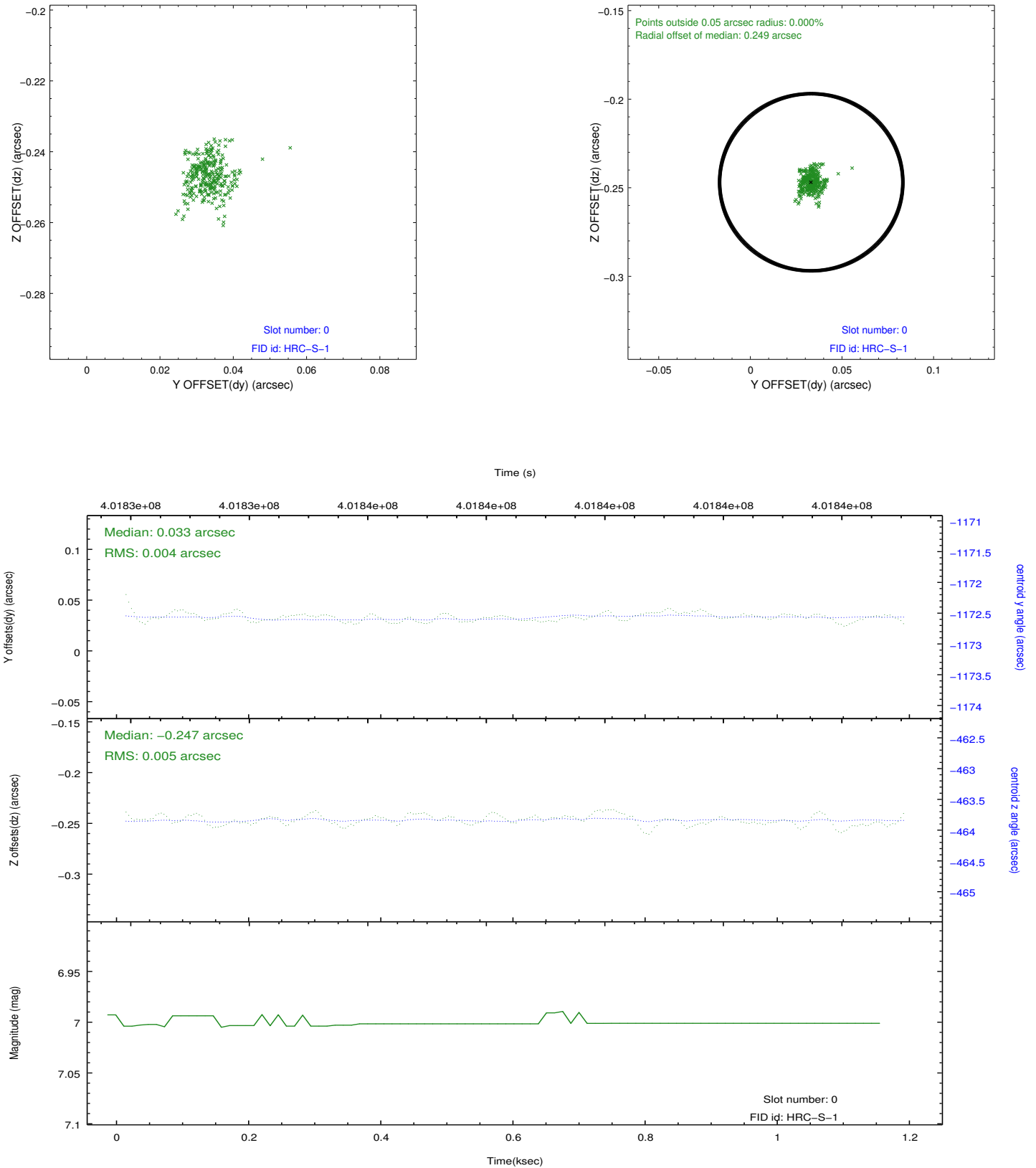


2.4.5 Slot 7

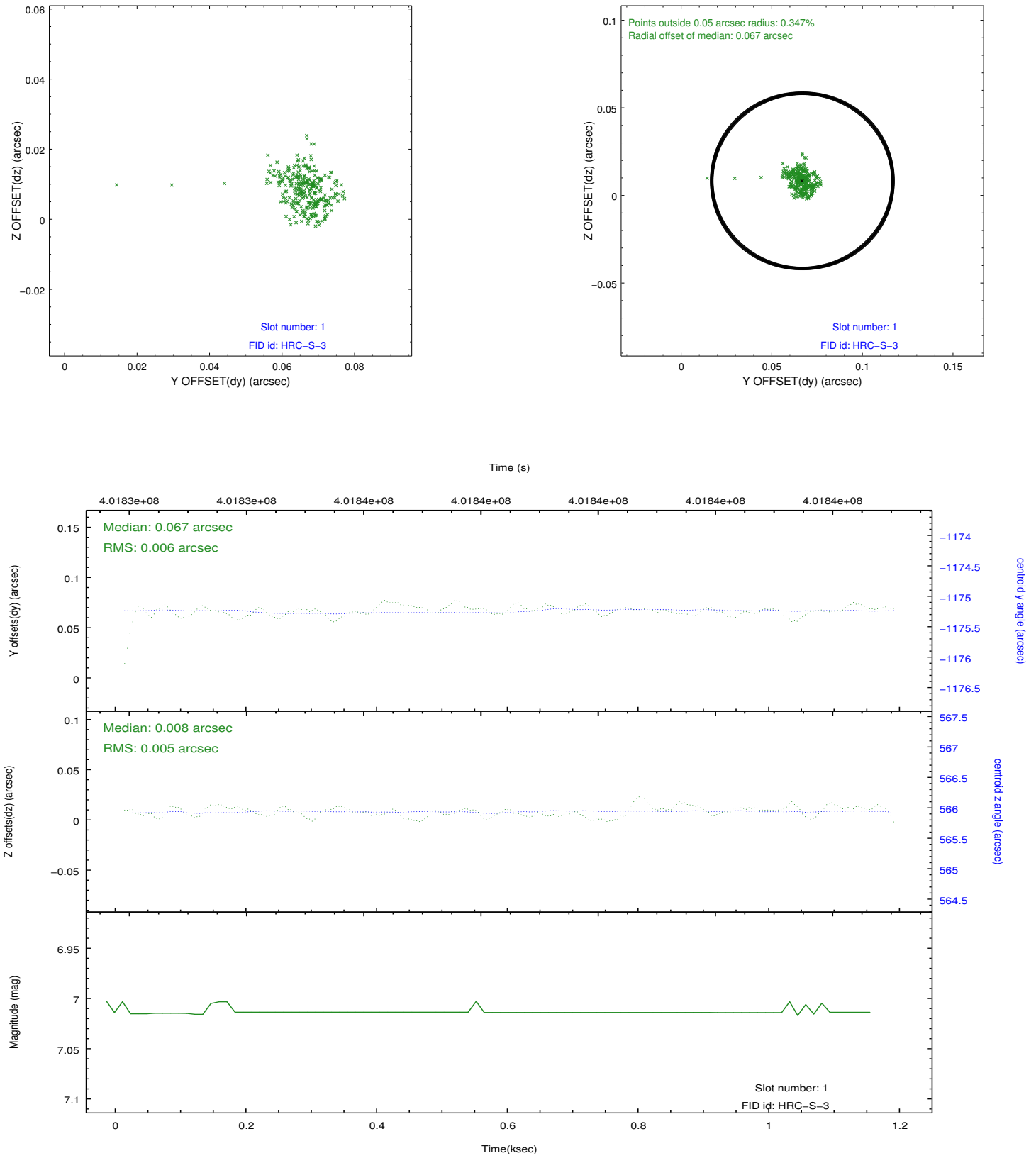


2.5 FID Slots

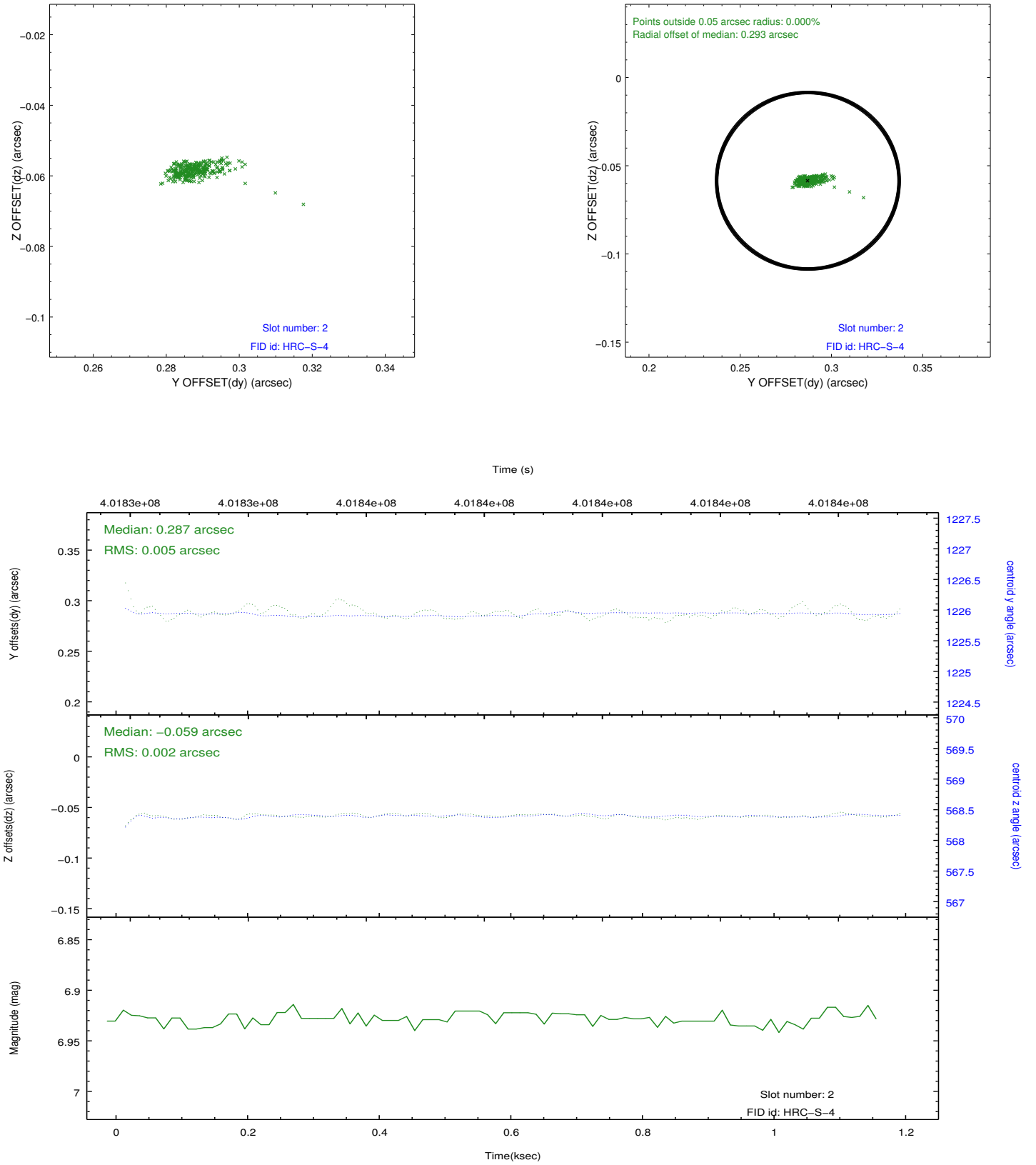
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313090801

A.2 Comments