

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13087 - L2 Version 4
Chandra X-Ray Center

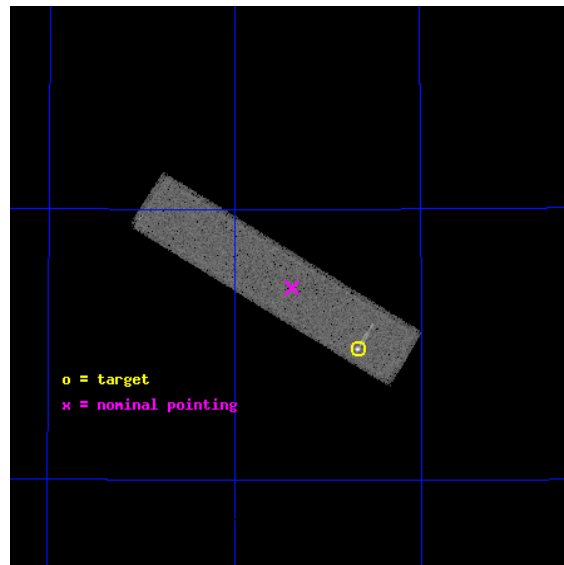
L2 Processing Date : Aug 9 2012

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

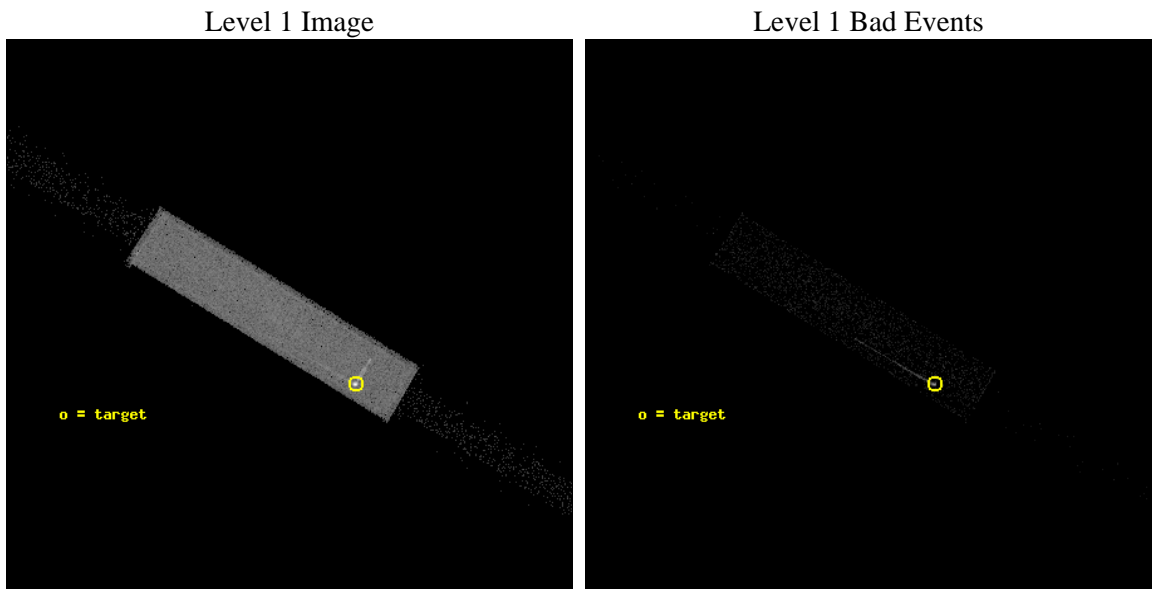
seq_num	291006	Sequence number
obs_id	13087	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.34647205624	Nominal RA [deg]
dec_nom	45.855451870434	Nominal Dec [deg]
roll_nom	211.33861490753	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1157.4813106656	[s]
livetime	1149.1835798484	Ontime multiplied by DTCOR
l2events	61101	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	1157.4813106656	[s]
caldbver	4.5.1.1	 	l1events	94227	Number of level 1 events
date	2012-08-10T02:41:30	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

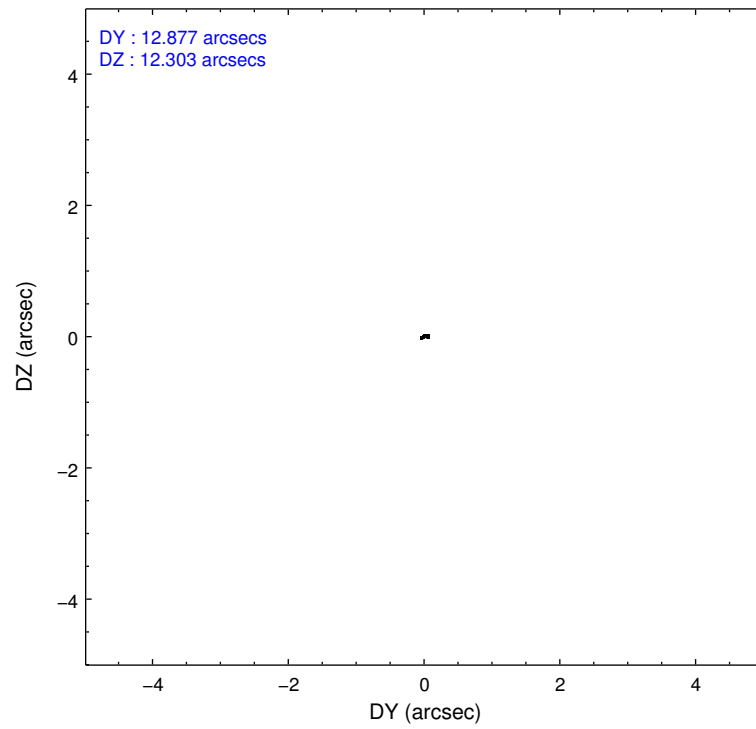
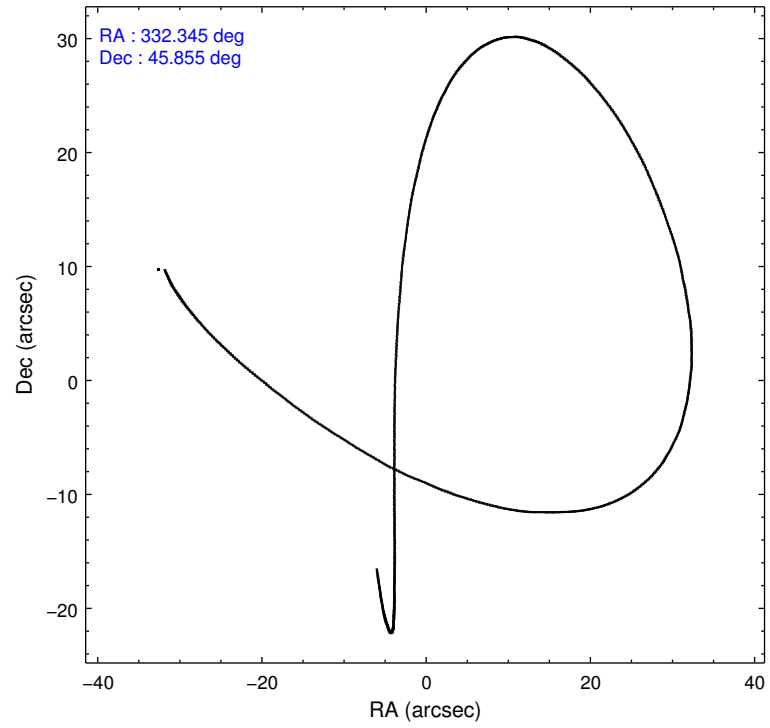
	segment 1	segment 2	segment 3
level 1 events	830	92589	808
rejected events	830	20693	808
rejected %	100%	22%	100%

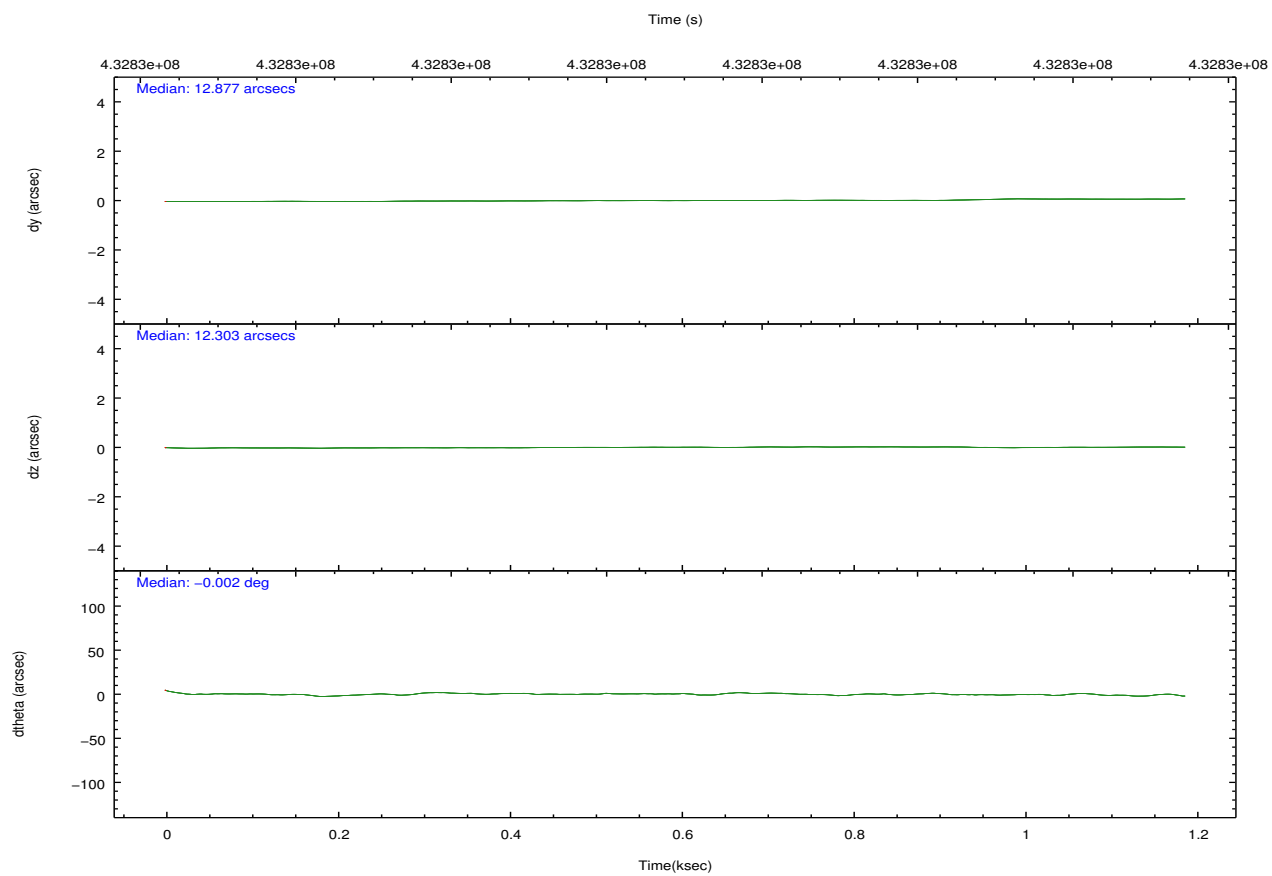
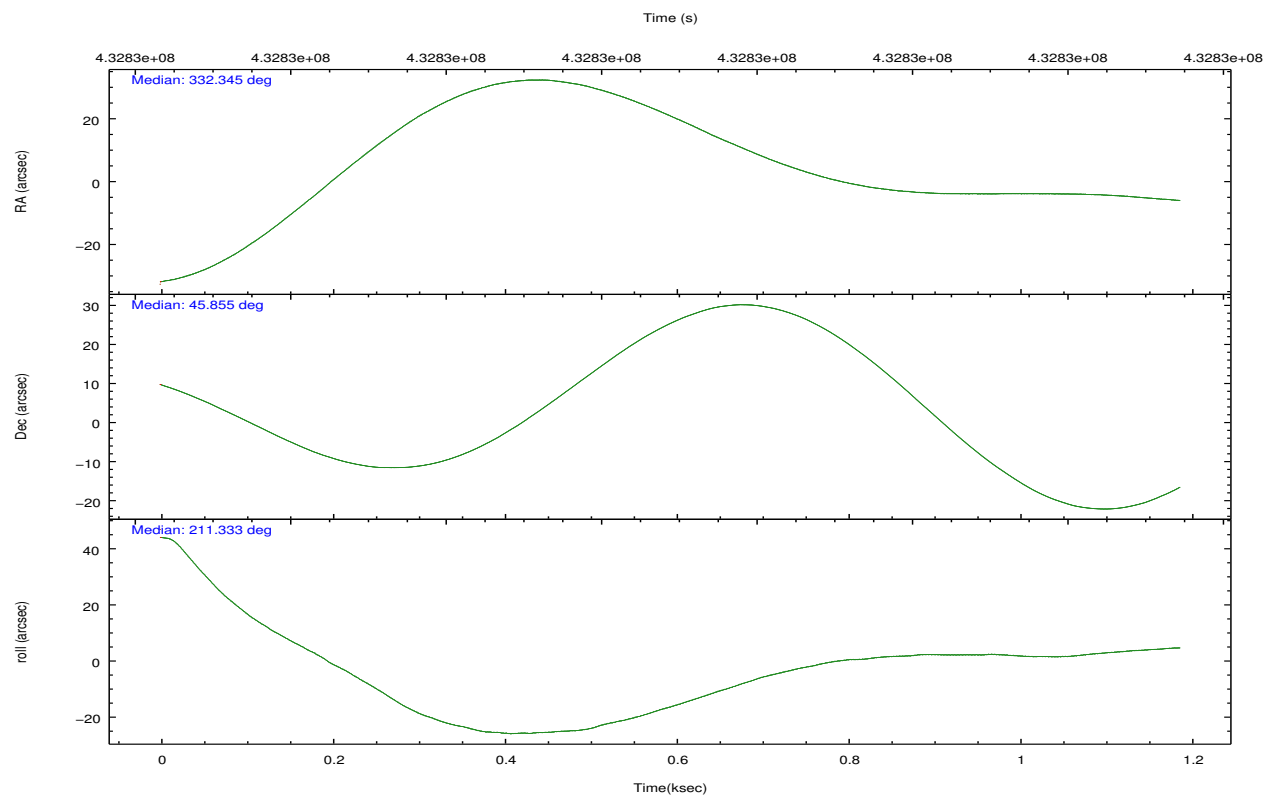
2.2 Compared Parameters

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	332.364453	332.3464720562445
[deg] Pointing Dec	45.882173	45.85545187043383
[deg] Pointing Roll	211.258142	211.338614907531
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	432830682.184000	432830306.07585
Observation start date	2011-09-19T14:43:36	2011-09-19T14:38:26
[s] Observation end time (MET)	432831682.184000	432831815.90093
Observation end date	2011-09-19T15:00:16	2011-09-19T15:03:35

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

2.3 Aspect



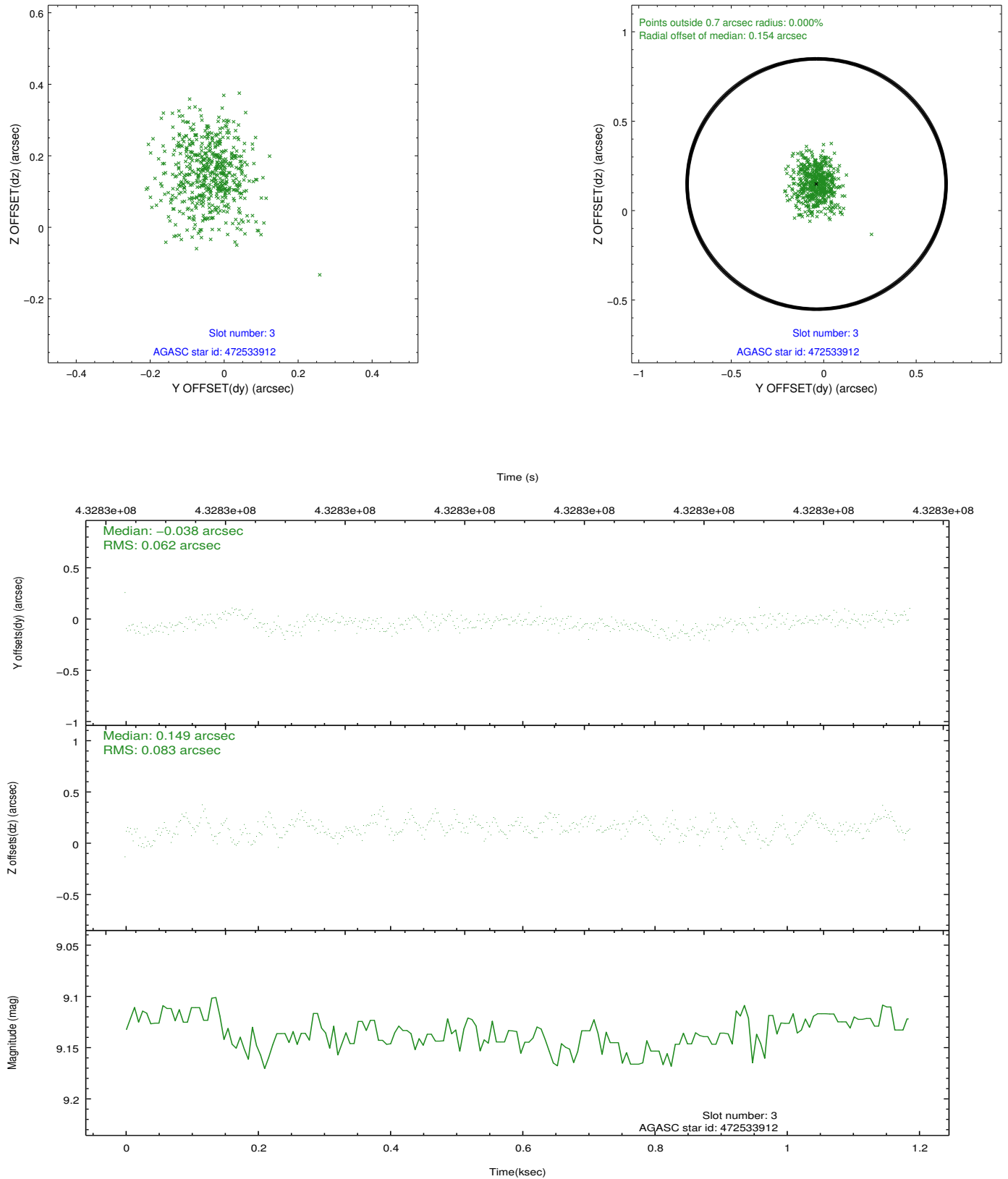


Slot Statistics

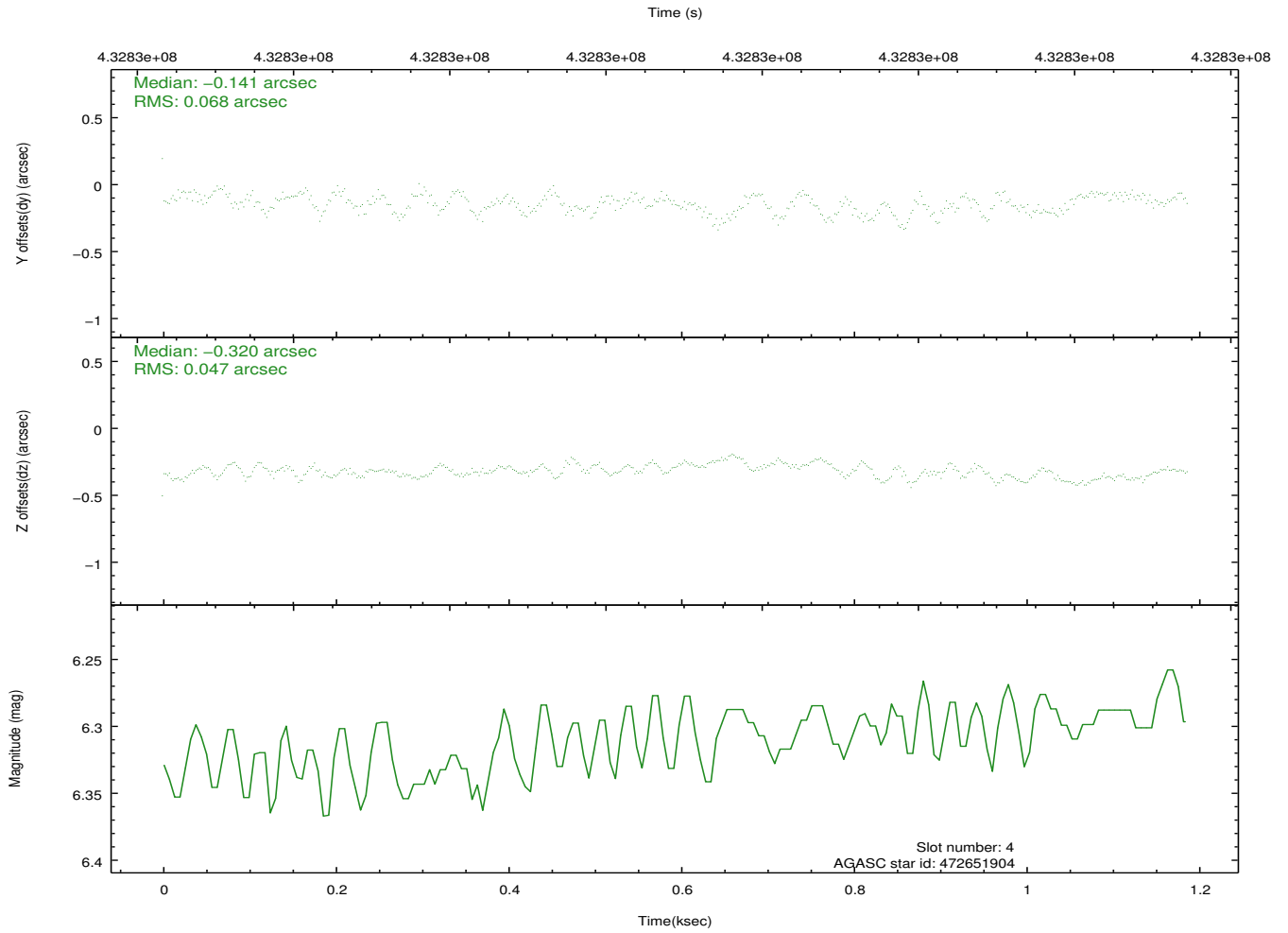
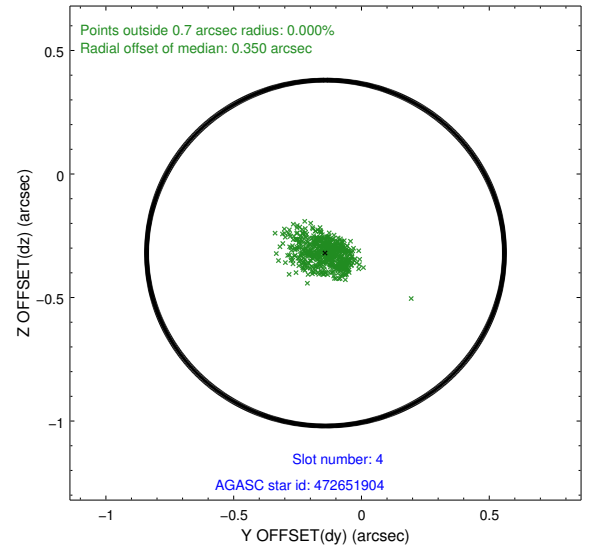
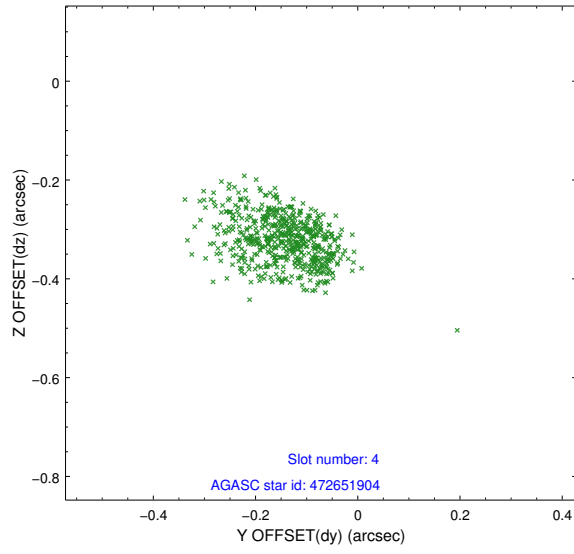
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.99	290	0.162	-0.049	0.010	0.025	0.000000	0.000000	1232.51	-453.57
1	FID	HRC-S-3	6.99	290	-0.056	-0.087	0.008	0.015	0.000000	0.000000	-1165.82	567.04
2	FID	HRC-S-4	6.96	290	0.299	-0.160	0.011	0.024	0.000000	0.000000	1227.22	573.00
3	GUIDE	472533912	9.14	580	-0.038	0.149	0.111	0.183	331.791136	46.368695	304.86	-2242.77
4	GUIDE	472651904	6.31	580	-0.141	-0.320	0.088	0.141	332.170077	45.742257	677.80	169.40
5	GUIDE	472655152	9.43	580	0.134	-0.145	0.123	0.206	332.504239	45.862991	-263.92	238.52
6	GUIDE	472665256	9.01	580	0.096	0.141	0.103	0.178	332.808125	46.195041	-1532.77	-393.74
7	GUIDE	472654568	9.40	578	-0.036	0.166	0.112	0.193	332.194449	45.063576	1894.35	2291.92

2.4 Star Slots

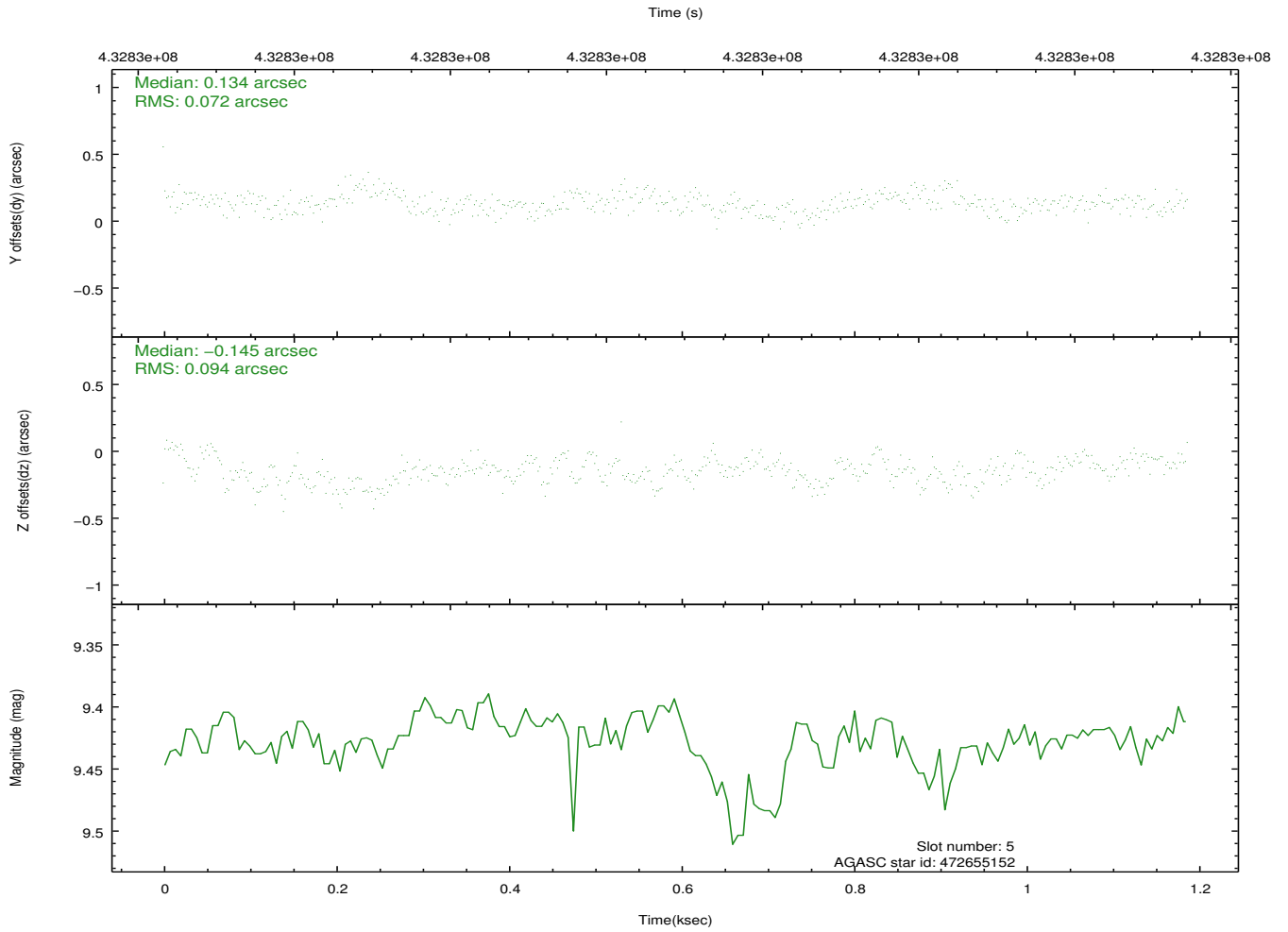
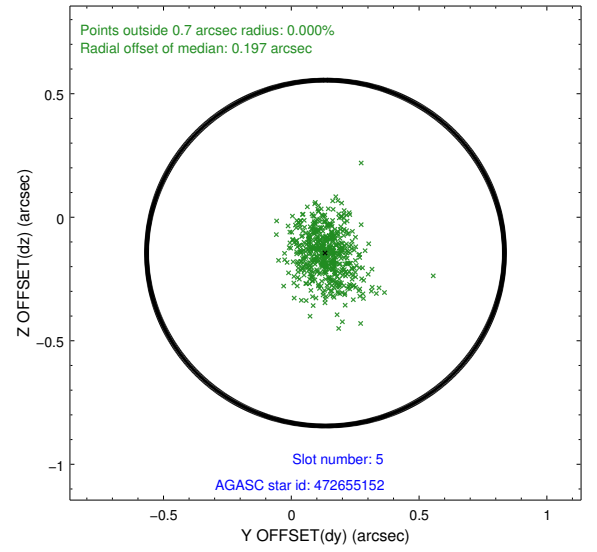
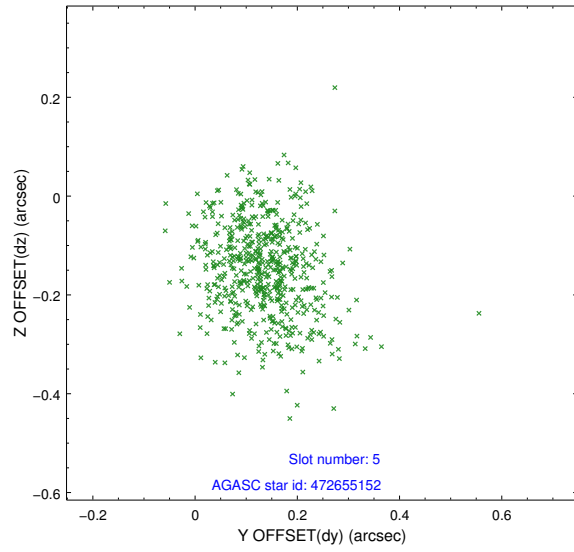
2.4.1 Slot 3



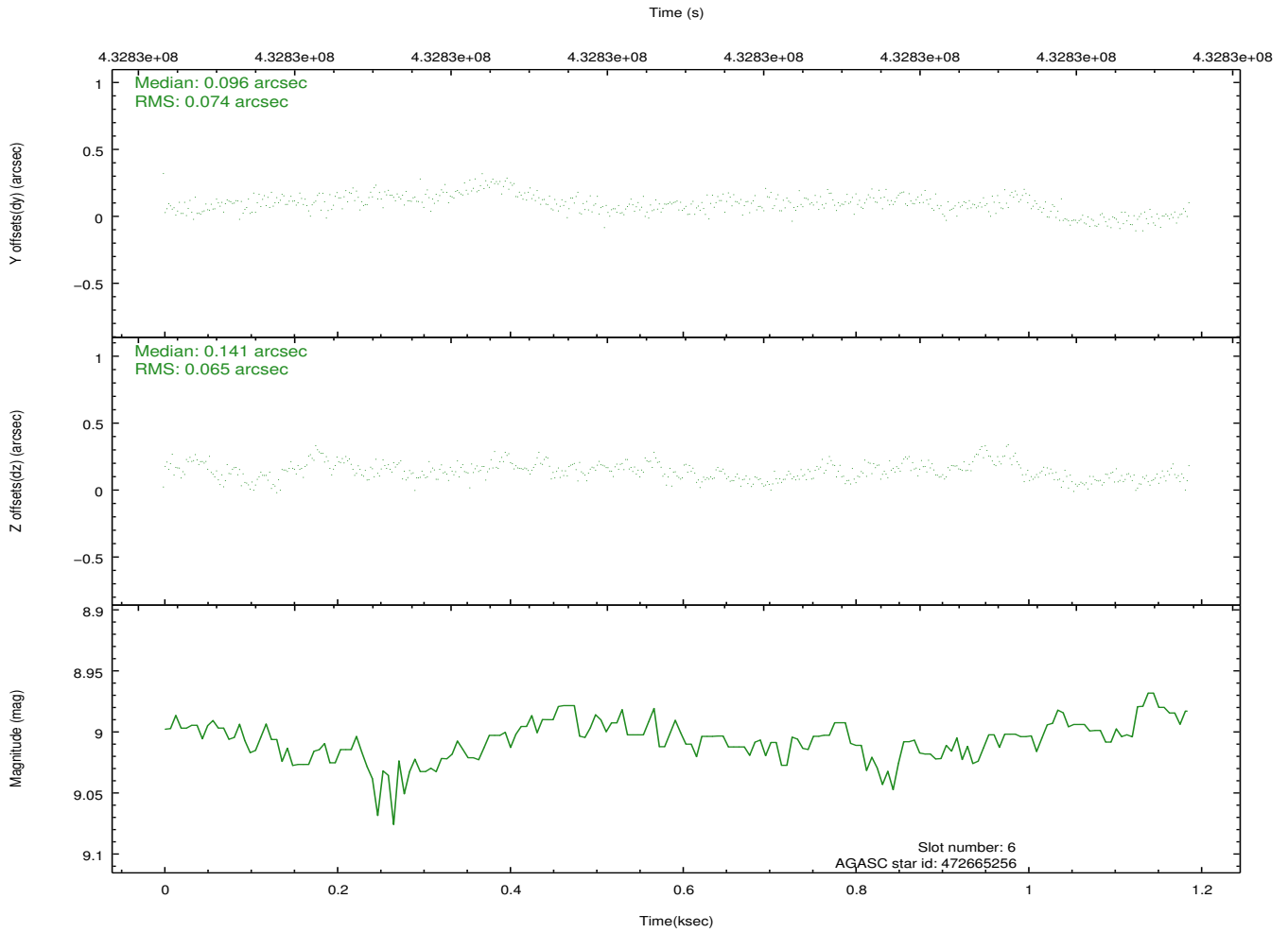
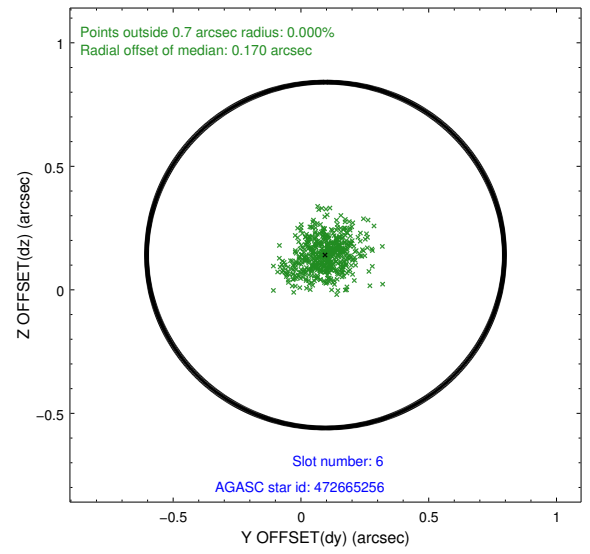
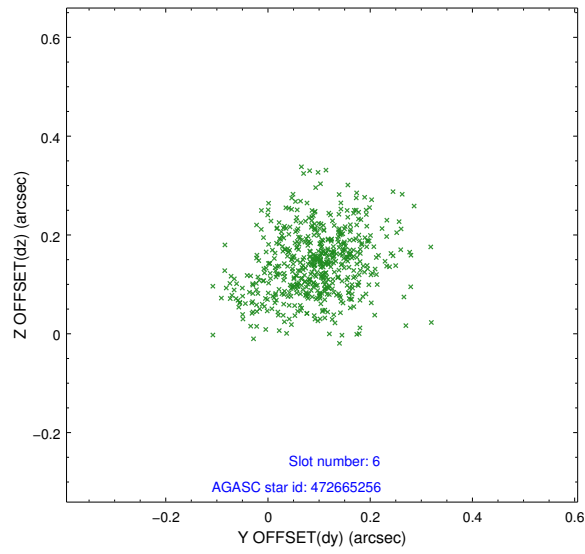
2.4.2 Slot 4



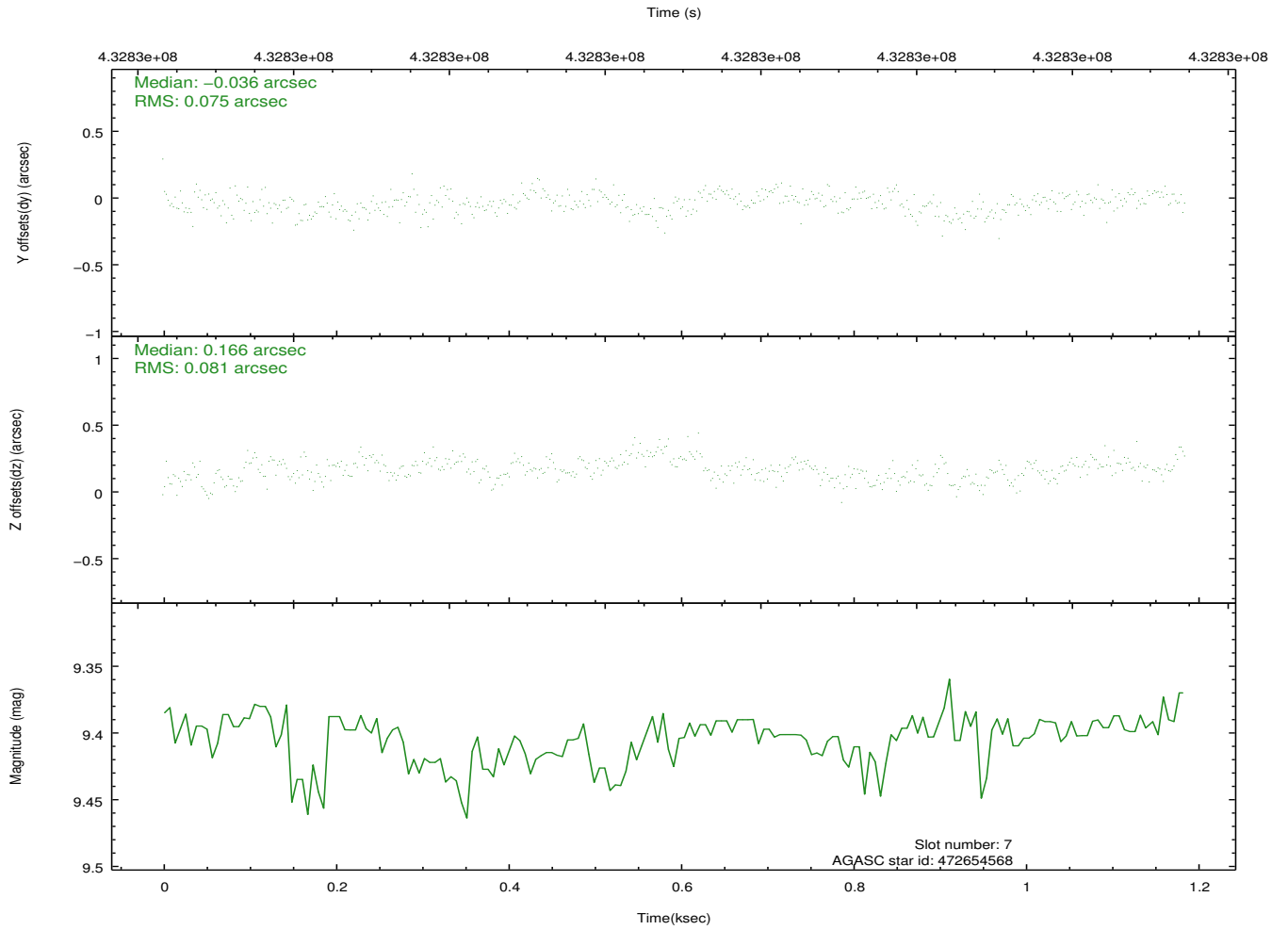
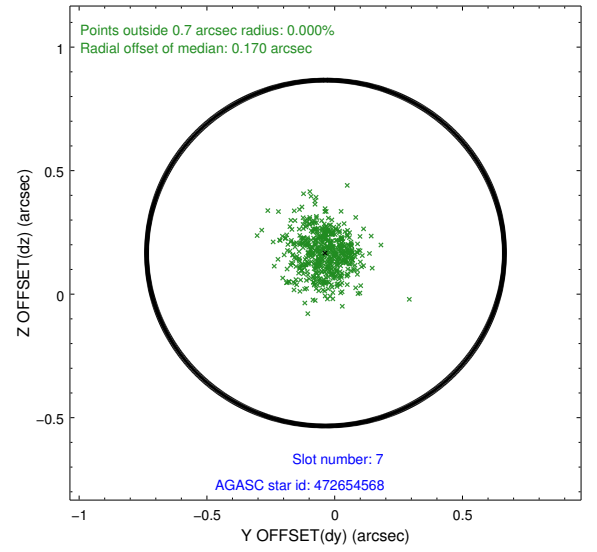
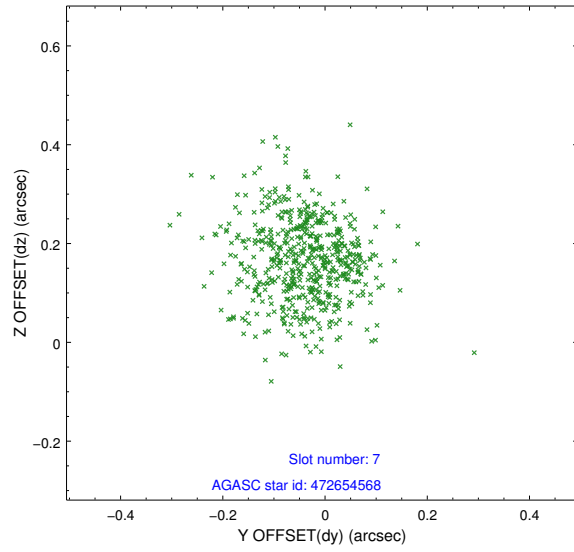
2.4.3 Slot 5



2.4.4 Slot 6

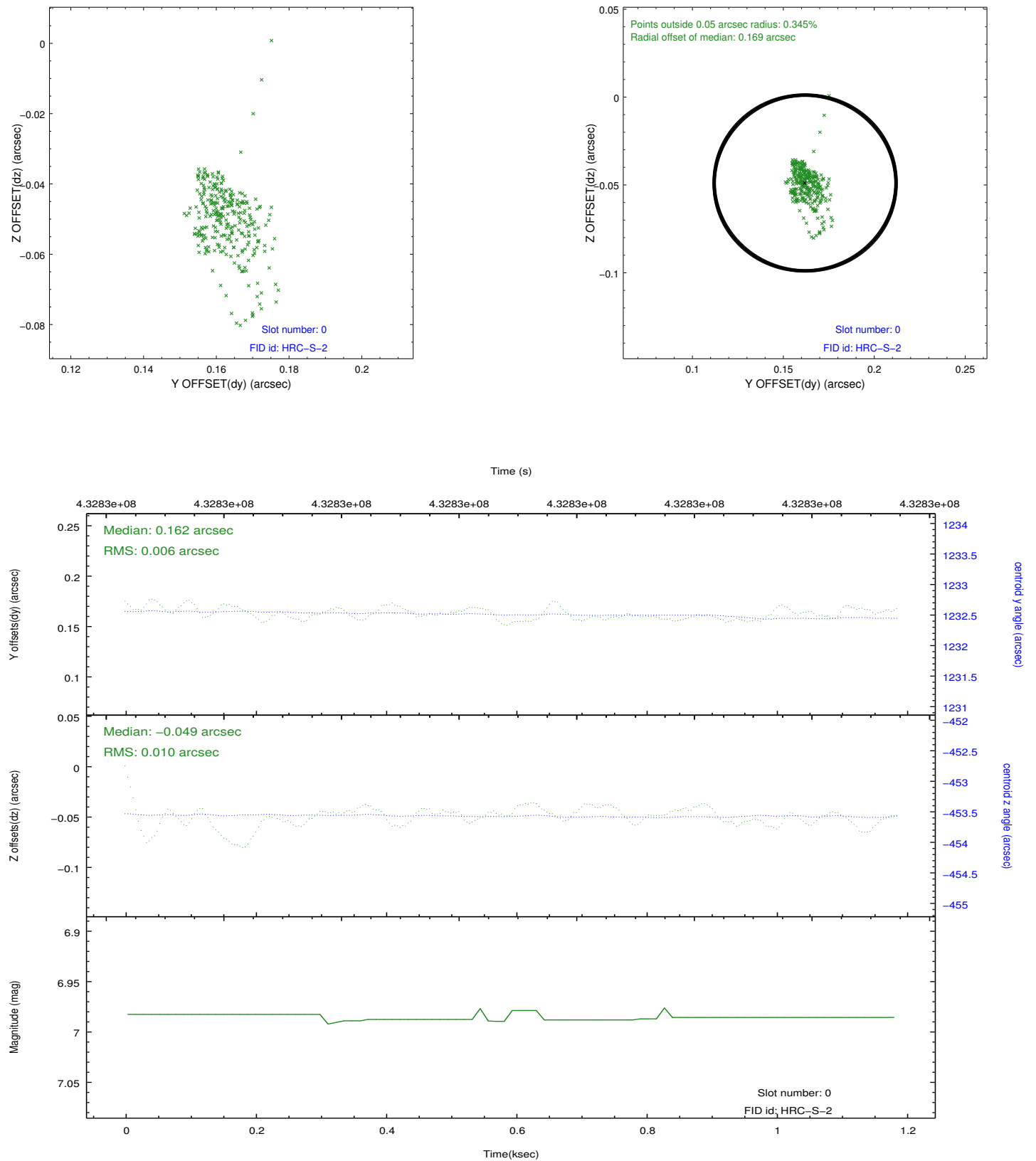


2.4.5 Slot 7

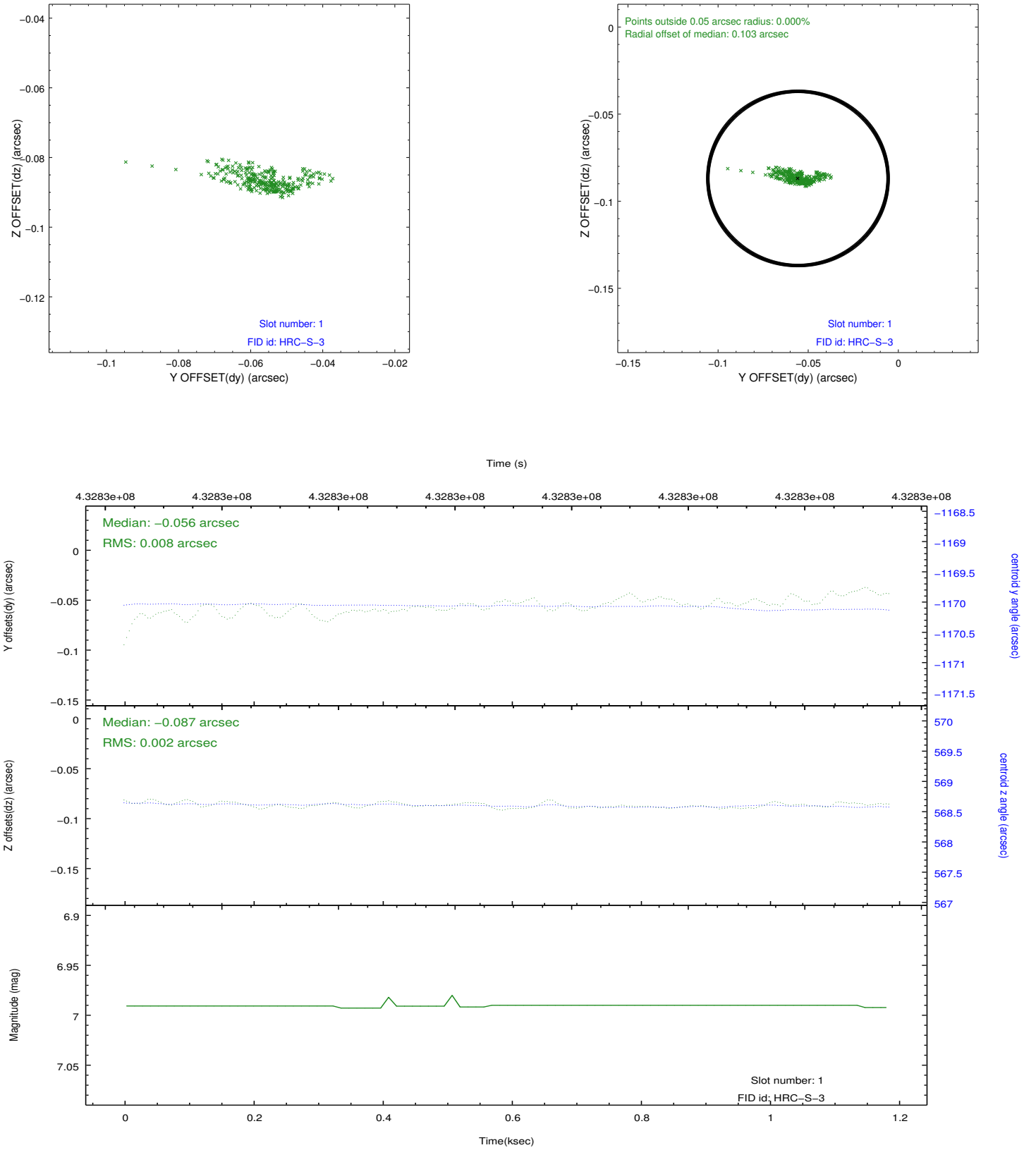


2.5 FID Slots

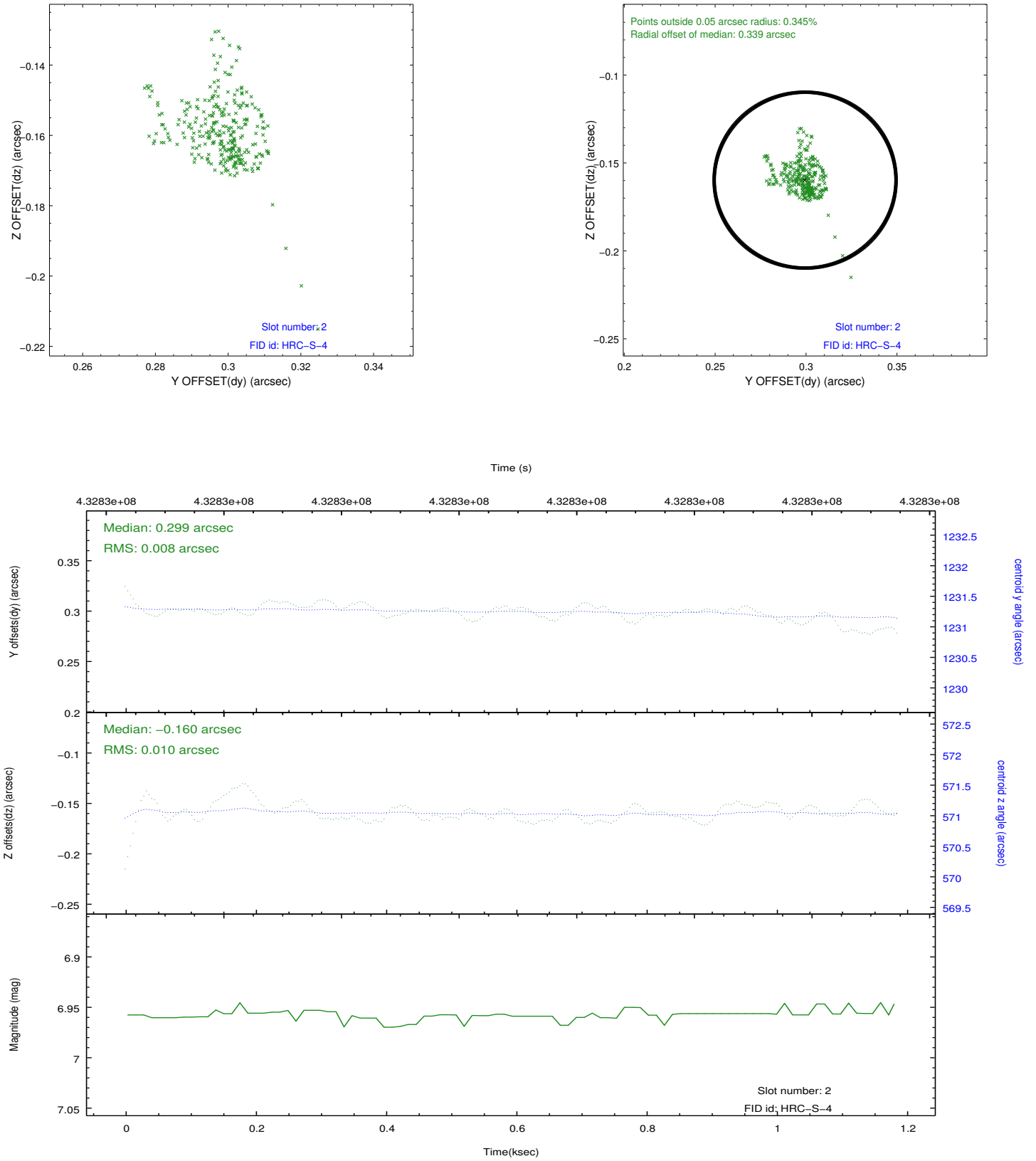
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1574813106656

A.2 Comments