

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 971 - L2 Version 3
Chandra X-Ray Center

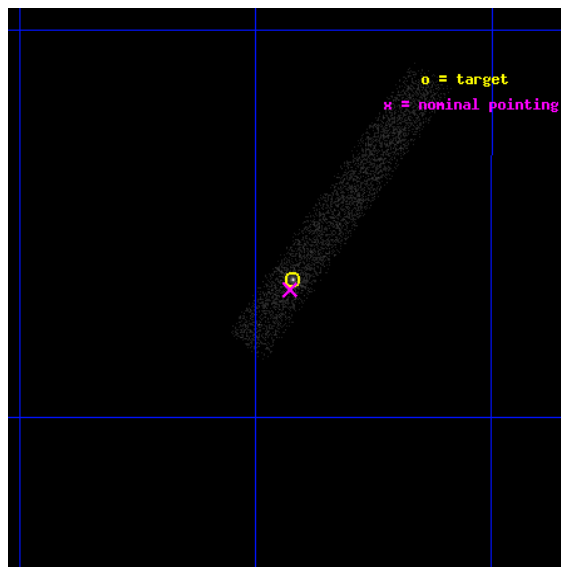
L2 Processing Date : Sep 15 2012

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1 Front

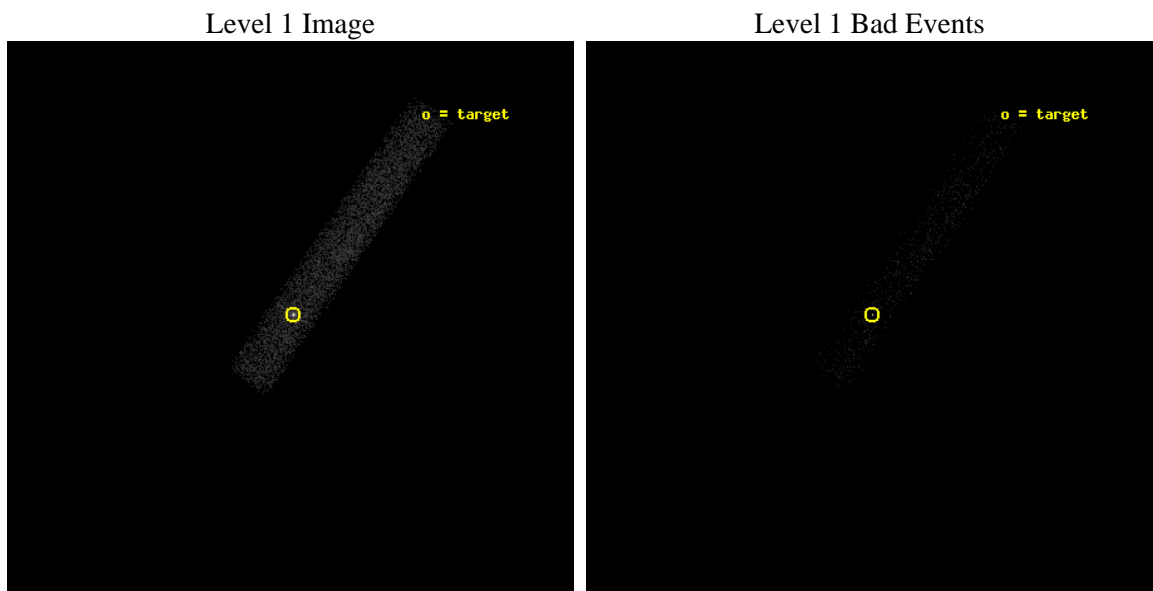
seq_num	200078	Sequence number
obs_id	971	Observation id
title	OBSERVATION OF BROWN DWARF	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	TWA-5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.980833	Observer's specified target RA [deg]
dec_targ	-34.6075	Observer's specified target Dec [deg]
ra_nom	172.98197157104	Nominal RA [deg]
dec_nom	-34.611950843684	Nominal Dec [deg]
roll_nom	304.56483854384	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10308.000153601	Sum of GTIs [s]
livetime	9348.8120384556	Livetime [s]
ontime7	10308.000153601	Sum of GTIs [s]
l2events	11065	Number of level 2 events



2 OBI

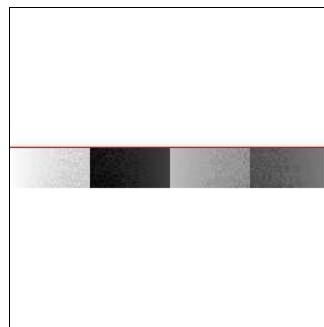
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9789.532000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10308.000153601	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	10308.000153601	Sum of GTIs [s]
date	2012-09-15T14:19:50	Date and time of file creation	l1events	17352	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

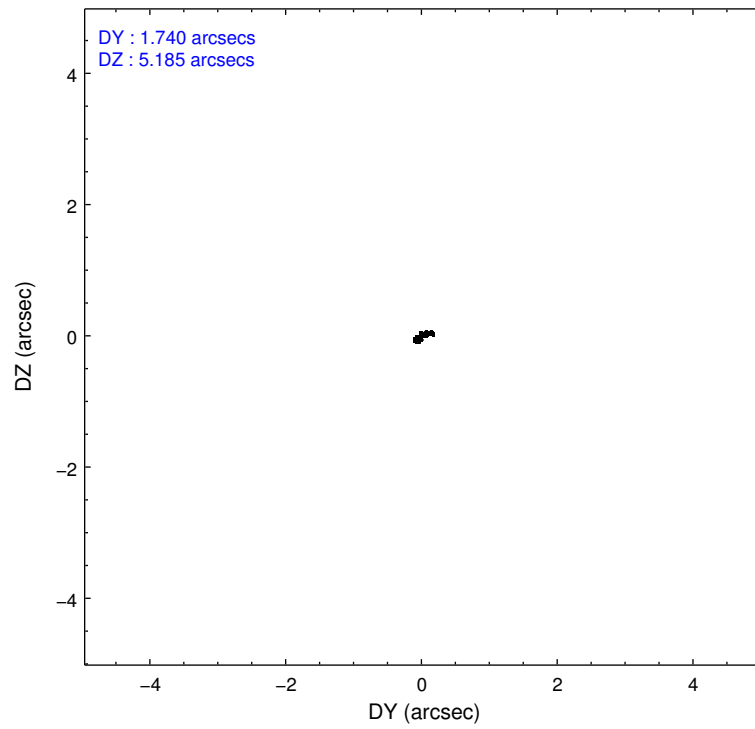
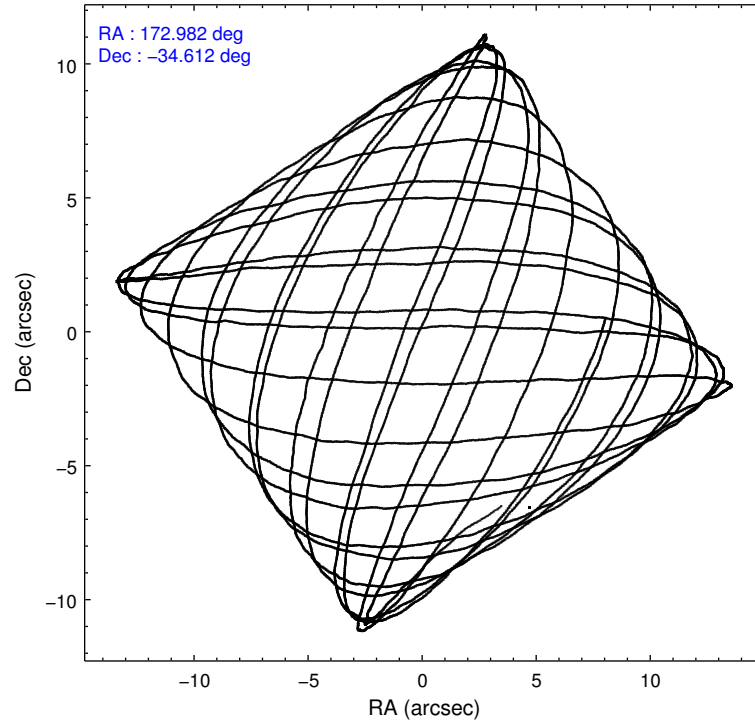
	ccd 7
level 1 events	17352
rejected events	5792
rejected %	33%

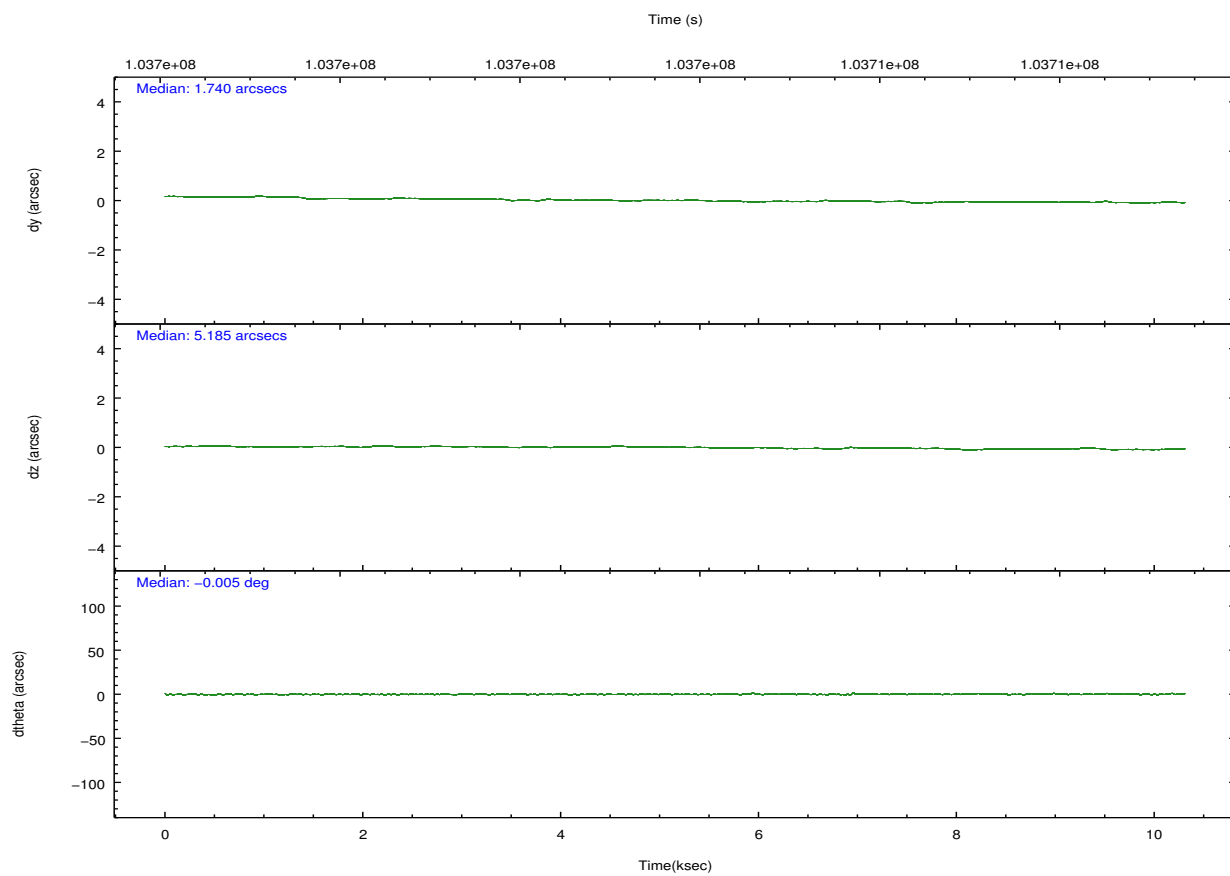
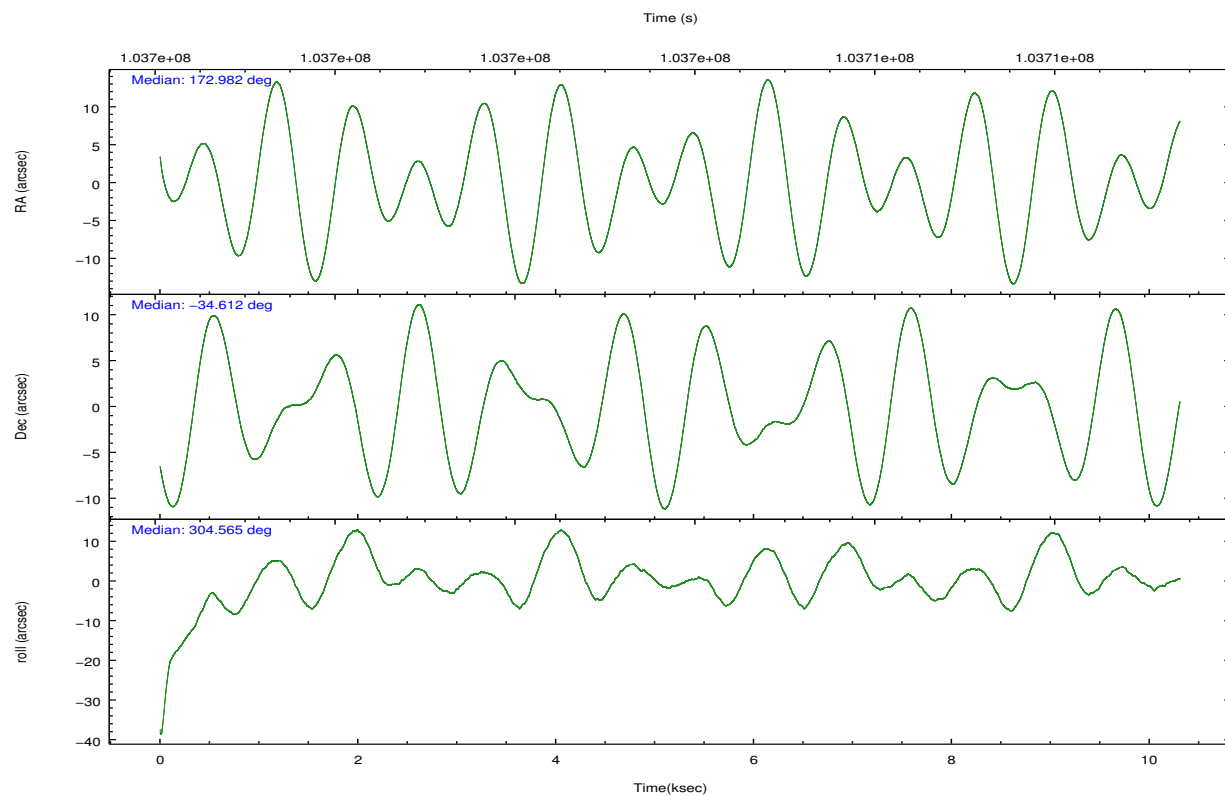
	ccd 7
grade 0 events	3205
	18%
grade 1 events	56
	0%
grade 2 events	2579
	14%
grade 3 events	1402
	8%
grade 4 events	1309
	7%
grade 5 events	1055
	6%
grade 6 events	3241
	18%
grade 7 events	4505
	25%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	172.951863	172.9819715710402	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-34.600397	-34.61195084368388	Subarray start row	449	449
[deg] Pointing Roll	304.391126	304.5648385438437	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	103699089.184000	103697961.09856			
Observation start date	2001-04-15T05:17:05	2001-04-15T04:59:21			
[s] Observation end time (MET)	103708878.184000	103709193.04899			
Observation end date	2001-04-15T08:00:14	2001-04-15T08:06:33			
Read mode	TIMED	TIMED			

2.3 Aspect



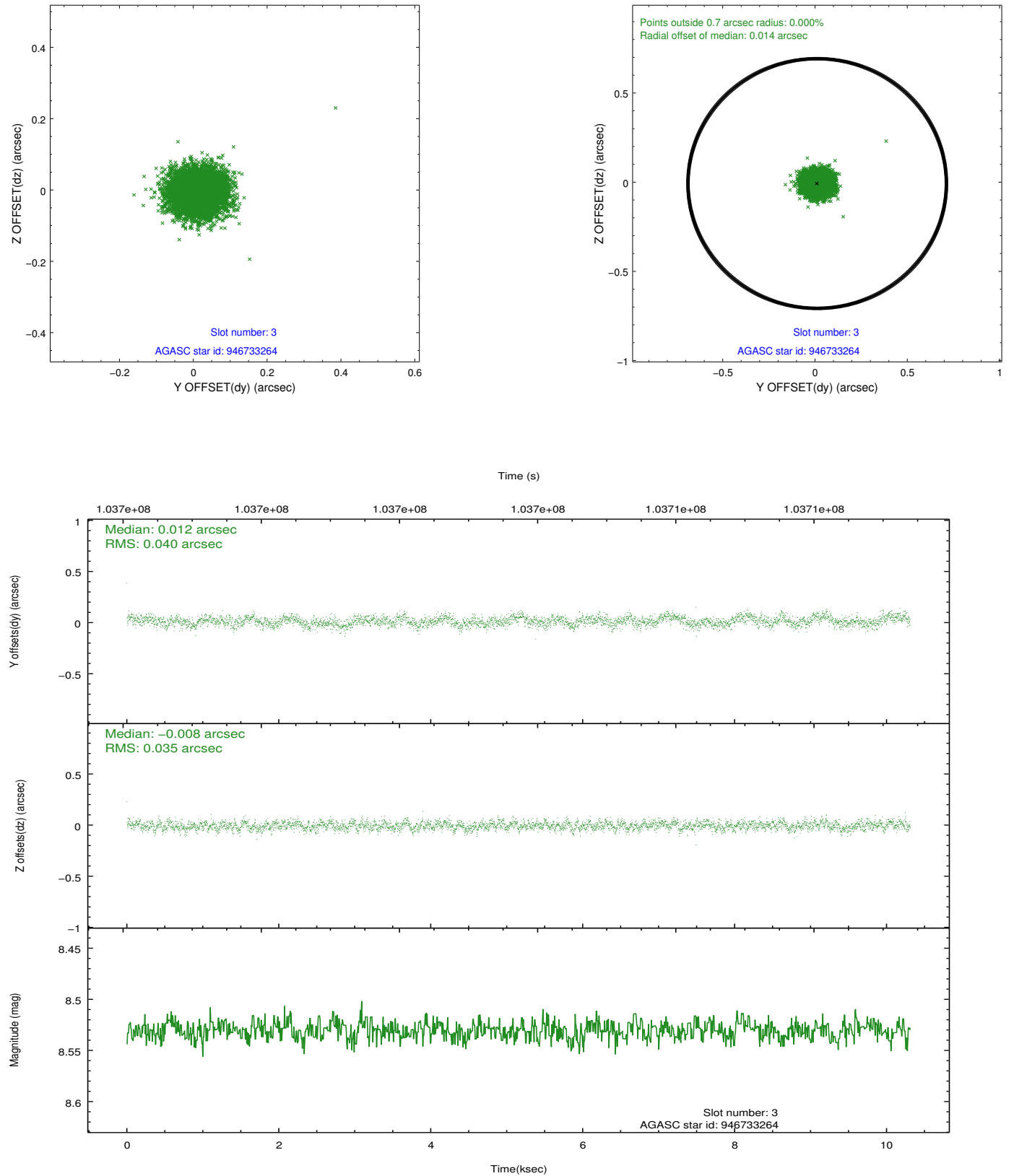


Slot Statistics

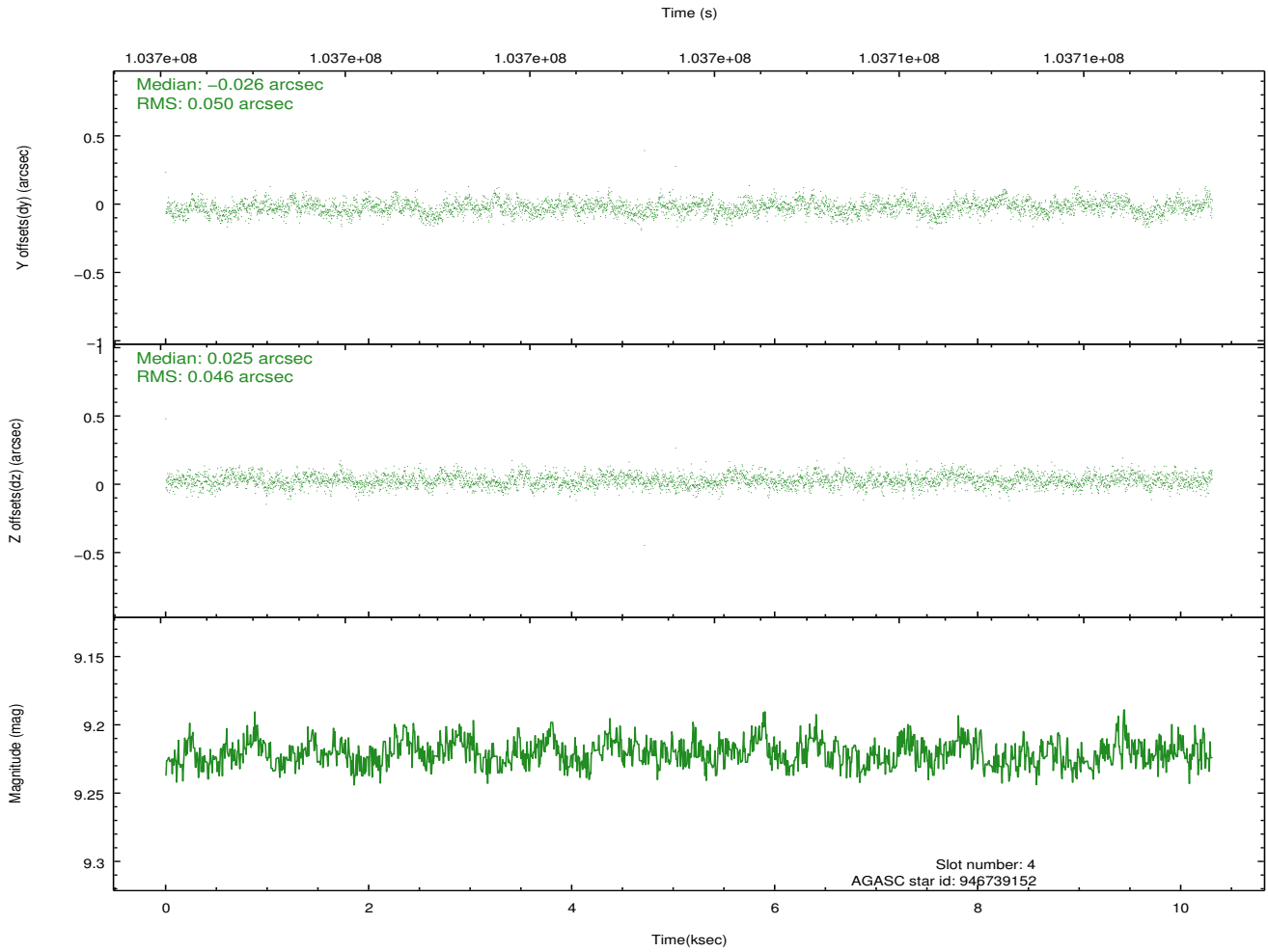
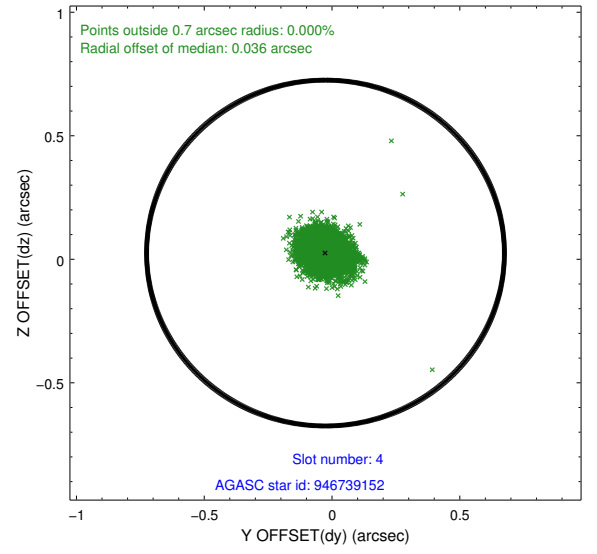
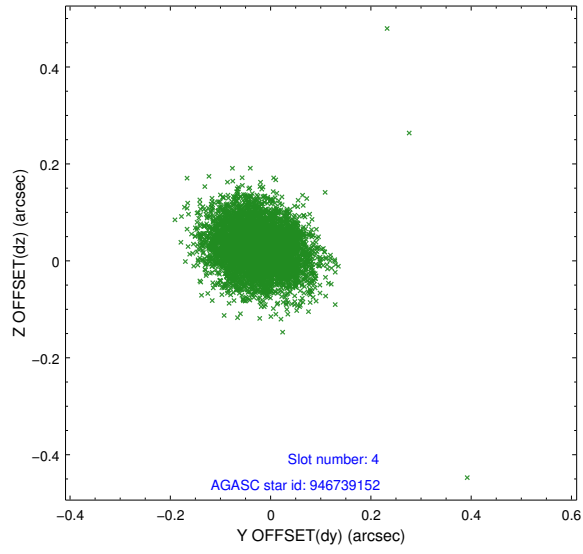
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2515	-0.039	-0.001	0.006	0.010	0.000000	0.000000	-754.36	-1726.31
1	FID	ACIS-S-4	7.20	2515	-0.031	0.019	0.005	0.009	0.000000	0.000000	2158.65	181.73
2	FID	ACIS-S-5	7.24	2515	0.039	-0.009	0.006	0.010	0.000000	0.000000	-1806.51	175.87
3	GUIDE	946733264	8.53	5030	0.012	-0.008	0.056	0.091	172.535343	-34.043045	-2355.70	105.53
4	GUIDE	946739152	9.22	5029	-0.026	0.025	0.072	0.115	172.853384	-34.336959	-948.58	293.04
5	GUIDE	946872536	8.27	5030	-0.057	0.051	0.071	0.111	173.344687	-34.501144	364.78	1161.30
6	GUIDE	946866816	9.04	5030	0.002	0.036	0.074	0.118	174.006679	-34.725313	2147.32	2311.49
7	GUIDE	946865200	9.18	5029	0.068	-0.107	0.069	0.113	173.280927	-34.847190	1283.86	298.83

2.4 Star Slots

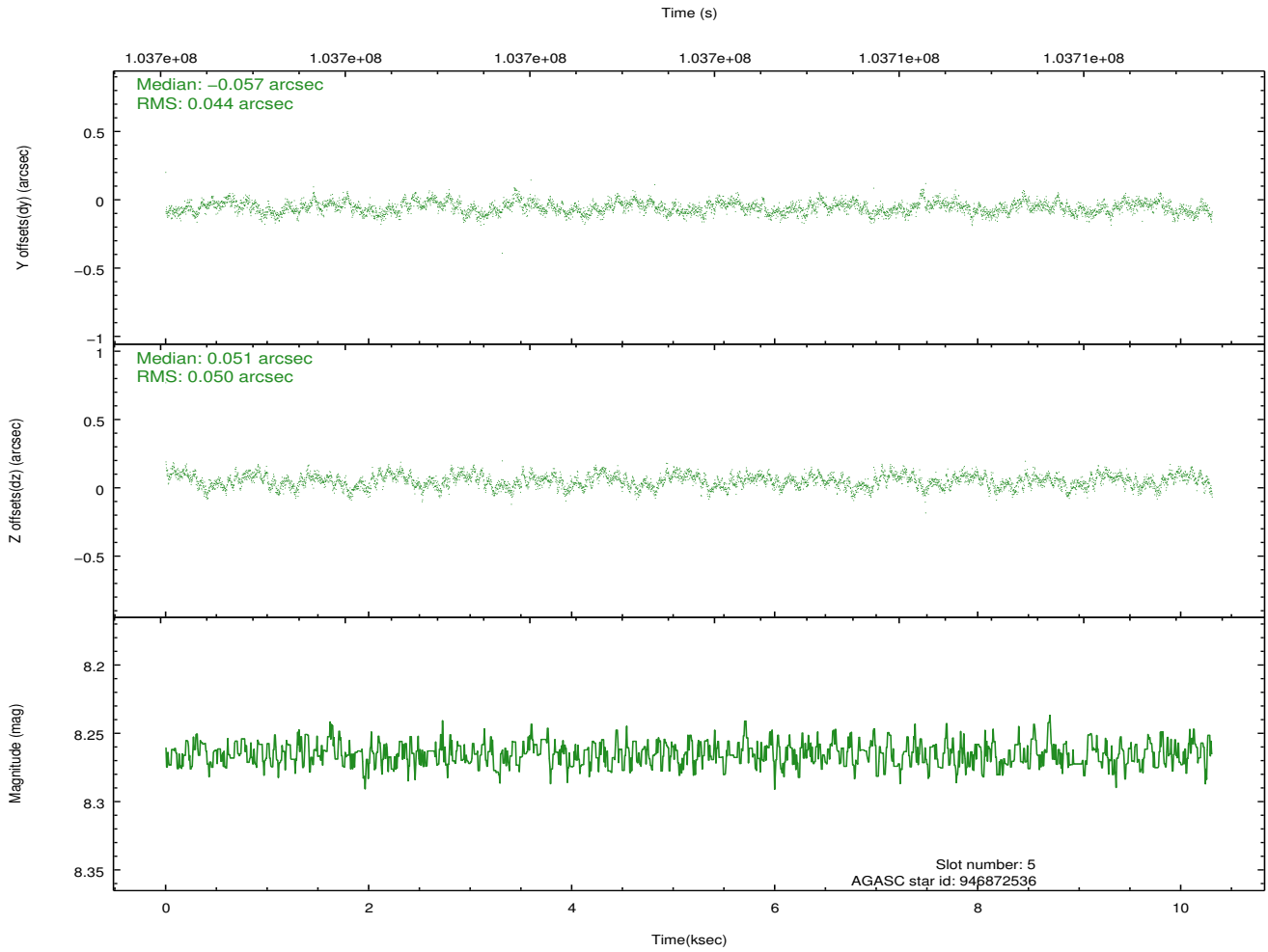
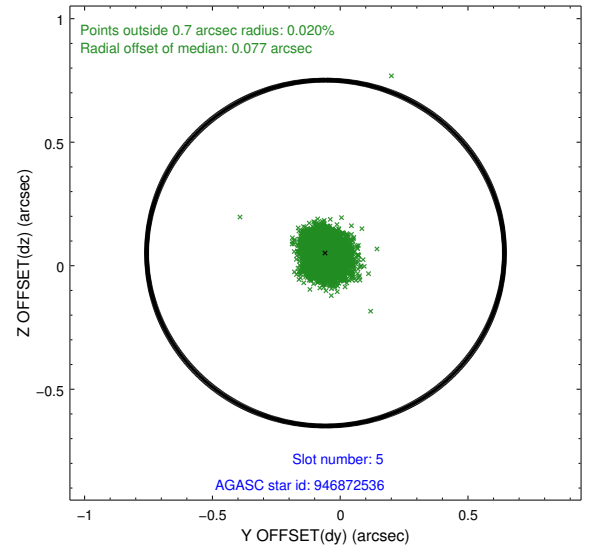
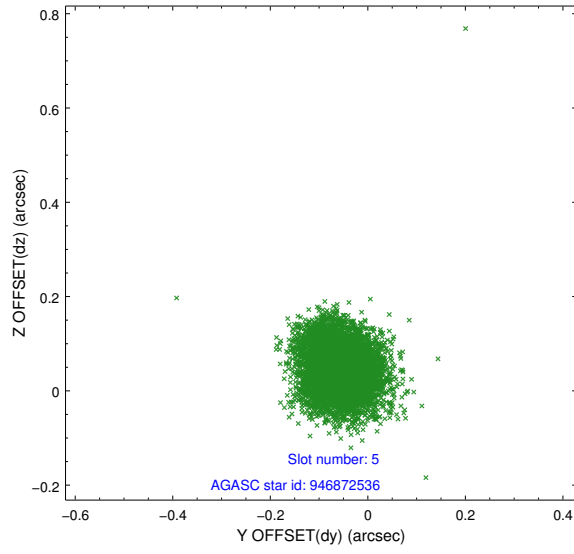
2.4.1 Slot 3



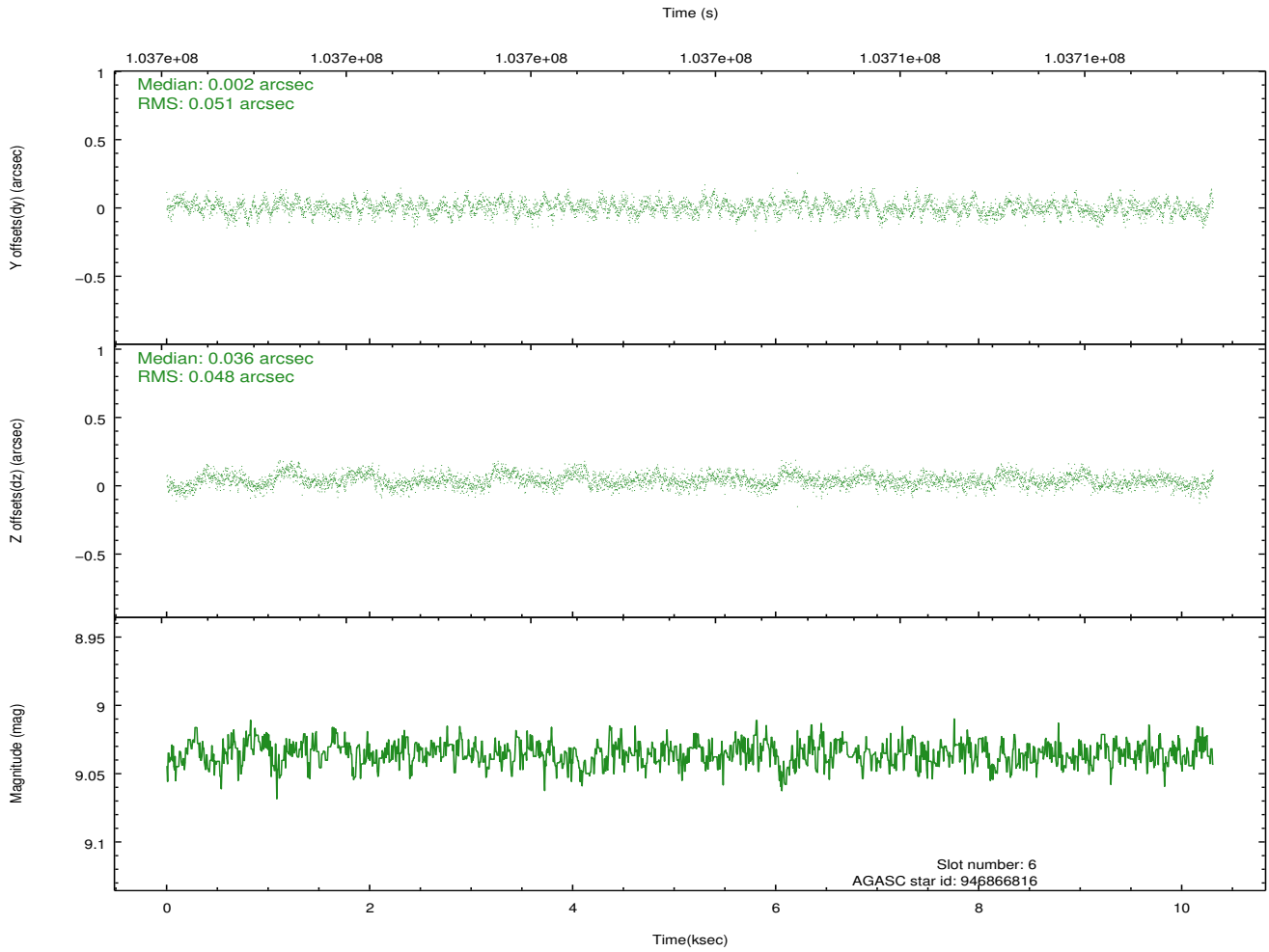
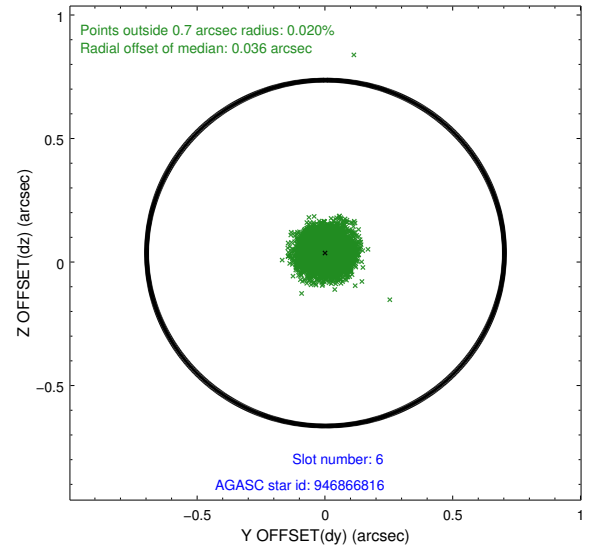
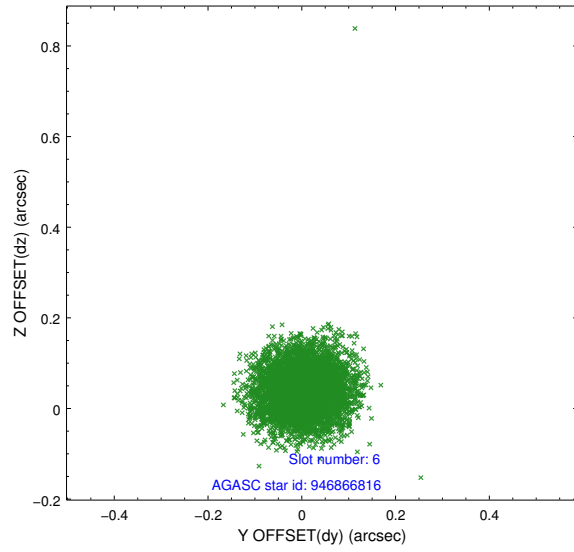
2.4.2 Slot 4



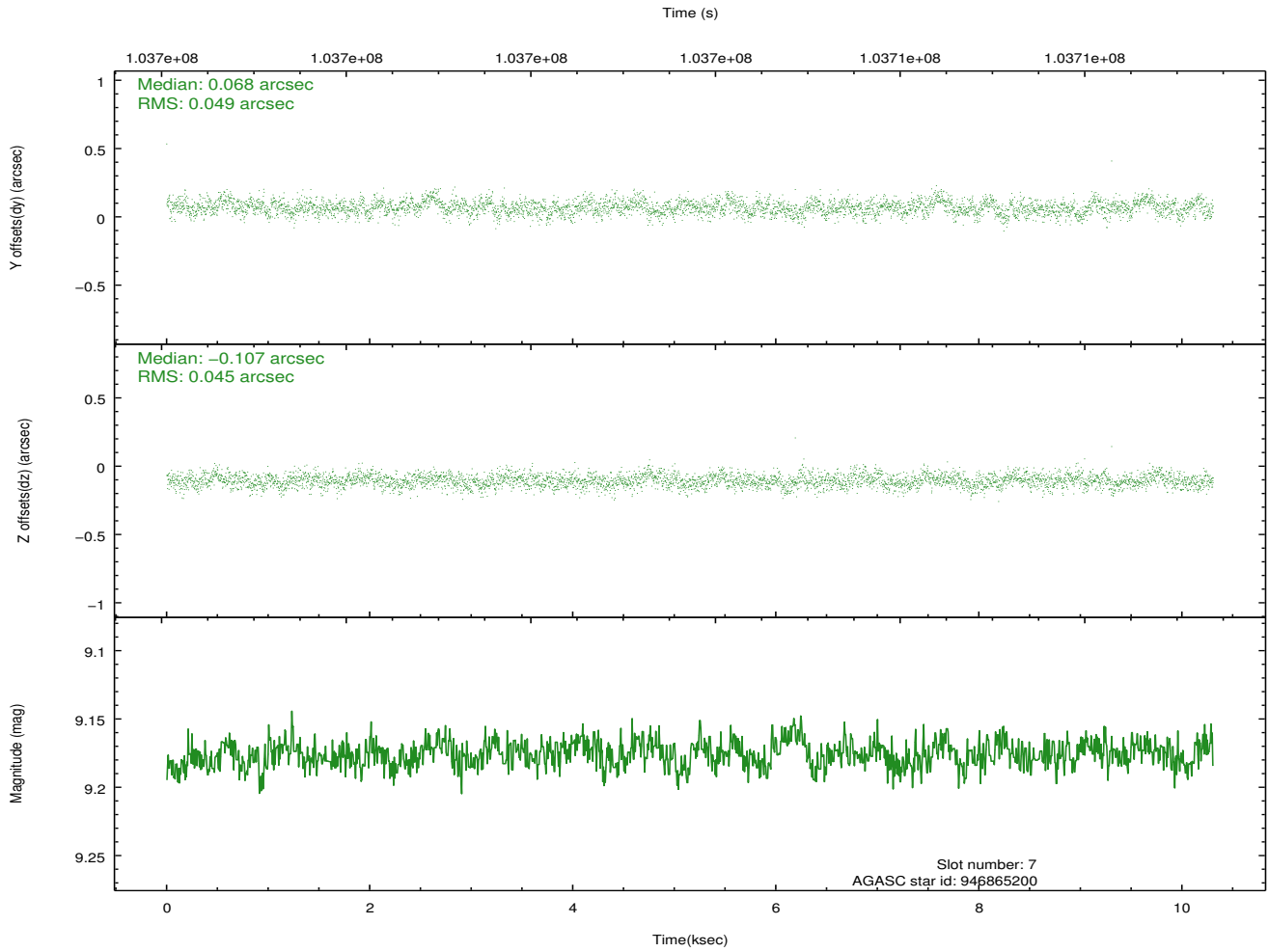
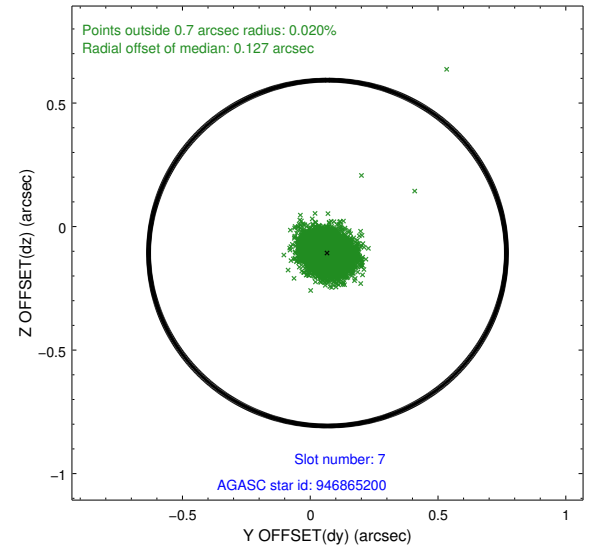
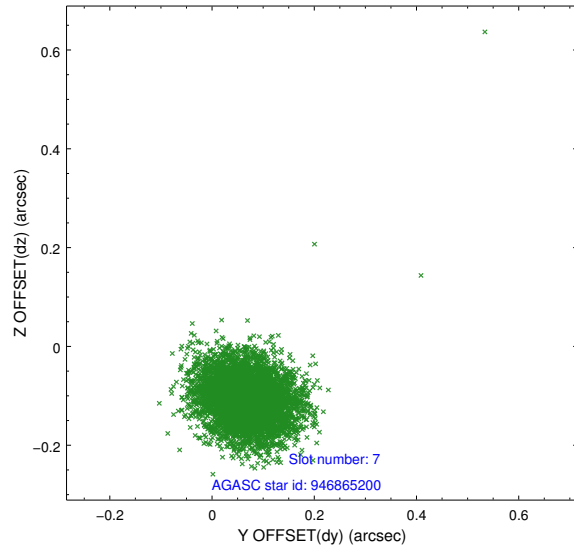
2.4.3 Slot 5



2.4.4 Slot 6

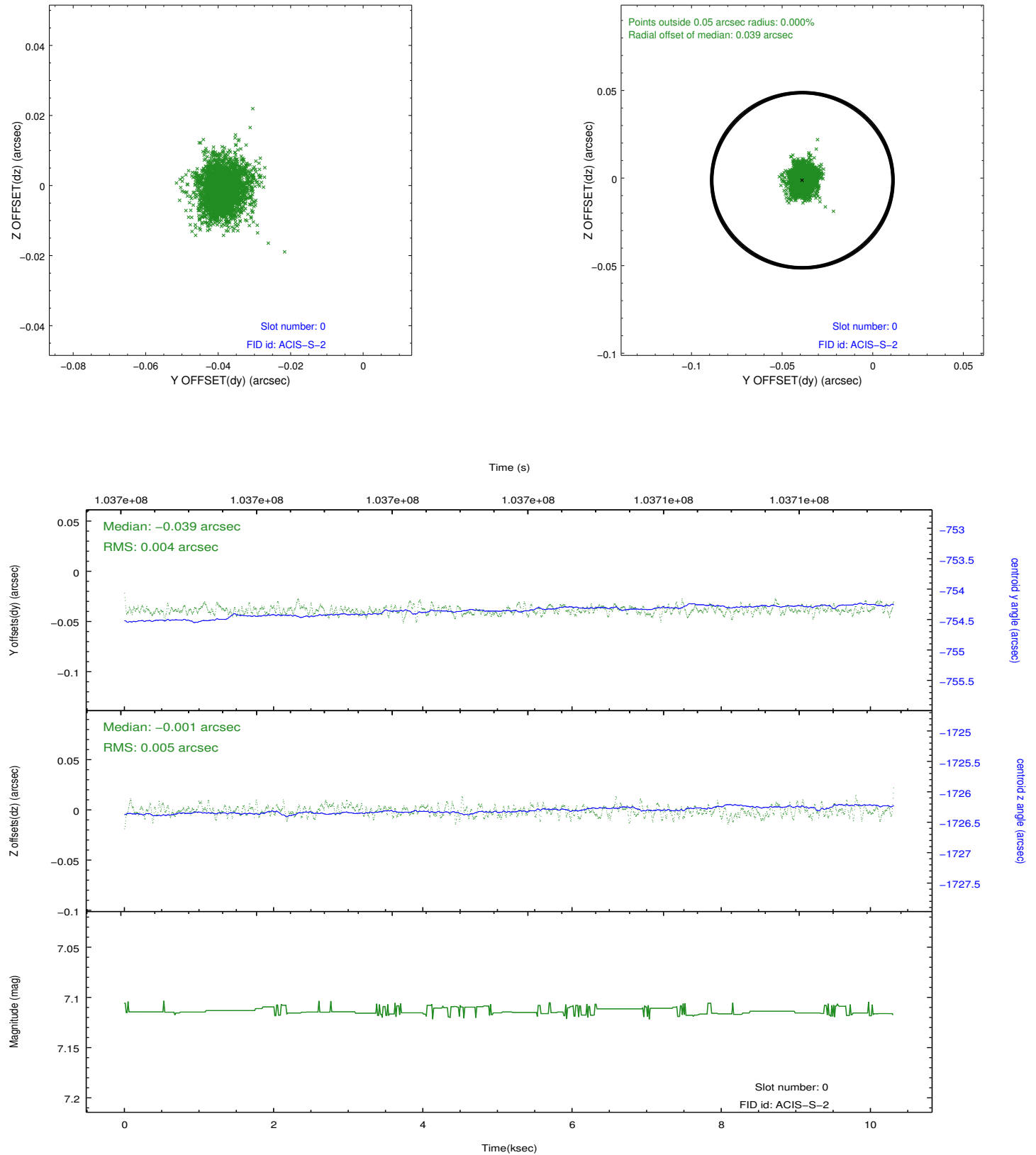


2.4.5 Slot 7

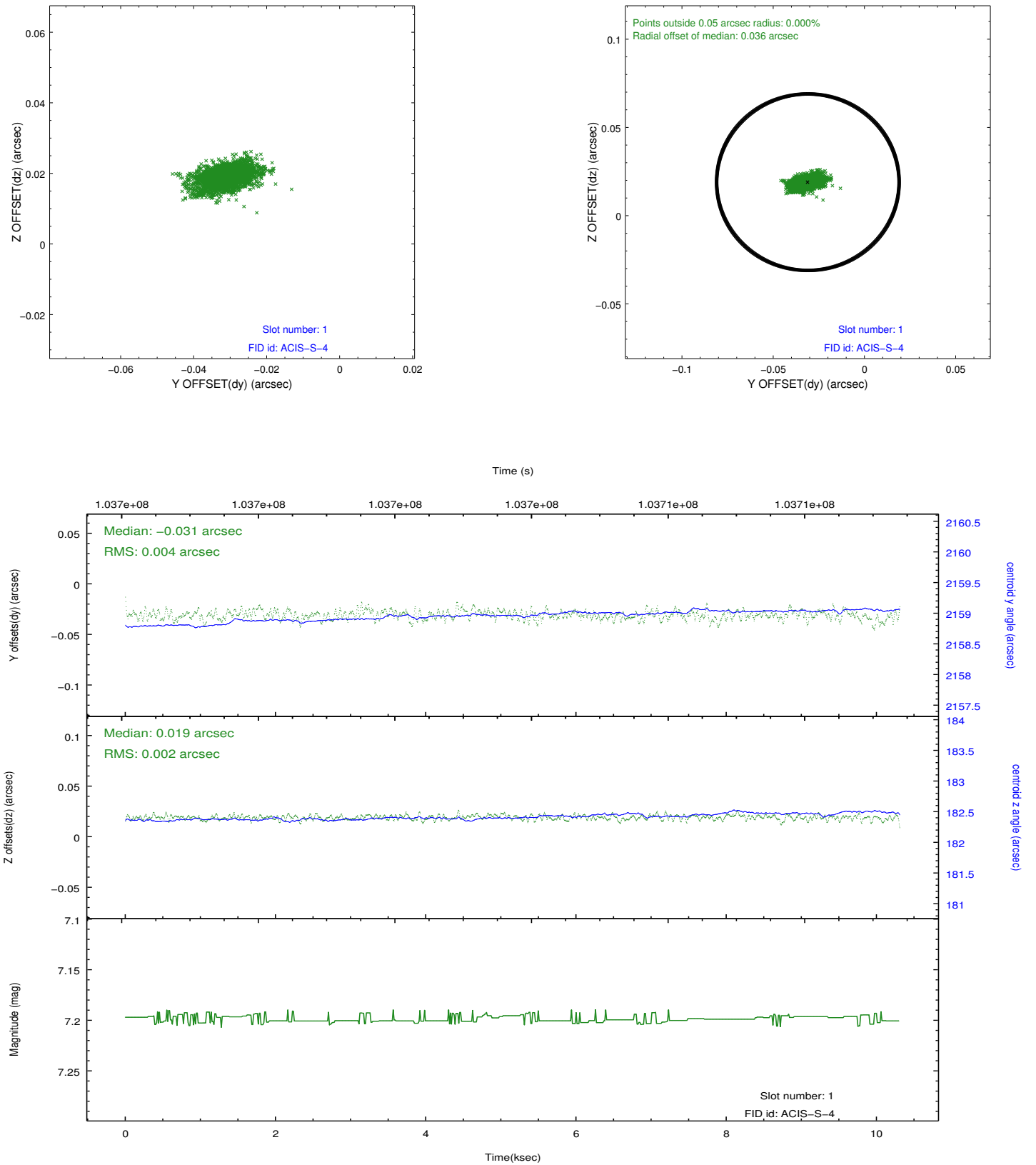


2.5 FID Slots

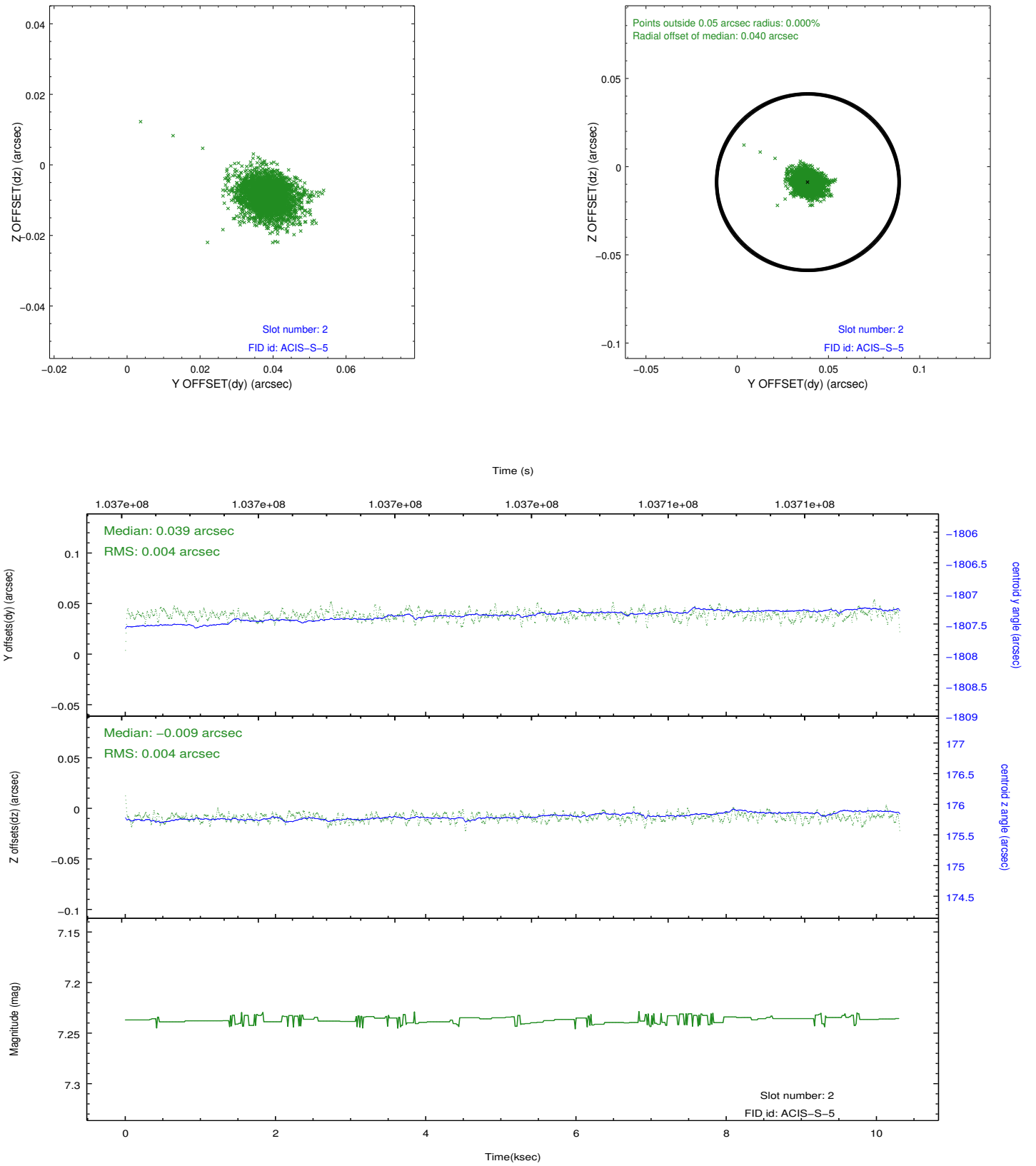
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.308

A.2 Comments