

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10656 - L2 Version 2
Chandra X-Ray Center

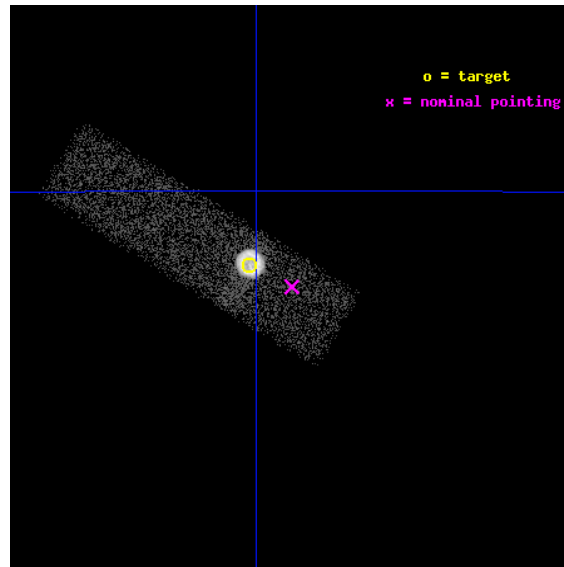
L2 Processing Date : Jun 1 2012

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1 Front

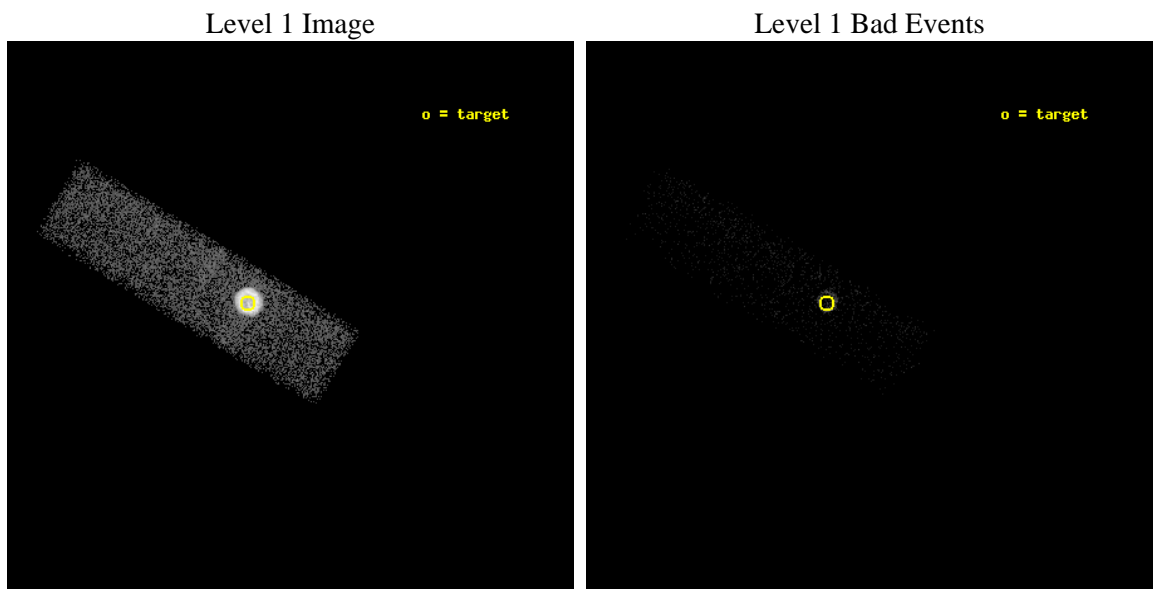
seq_num	590495	Sequence number
obs_id	10656	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S3,-120,-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.949713152207	Nominal RA [deg]
dec_nom	-72.041349168974	Nominal Dec [deg]
roll_nom	211.31618807647	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8162.4001216888	Sum of GTIs [s]
livetime	7764.1017042603	Livetime [s]
ontime7	8162.4001216888	Sum of GTIs [s]
l2events	58553	Number of level 2 events



2 OBI

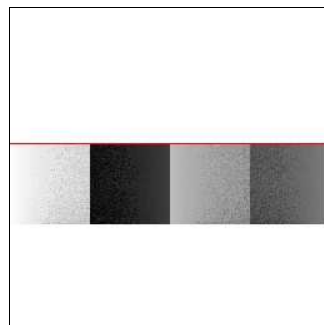
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8162.4001216888	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	8162.4001216888	Sum of GTIs [s]
date	2012-06-01T23:39:59	Date and time of file creation	l1events	70259	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

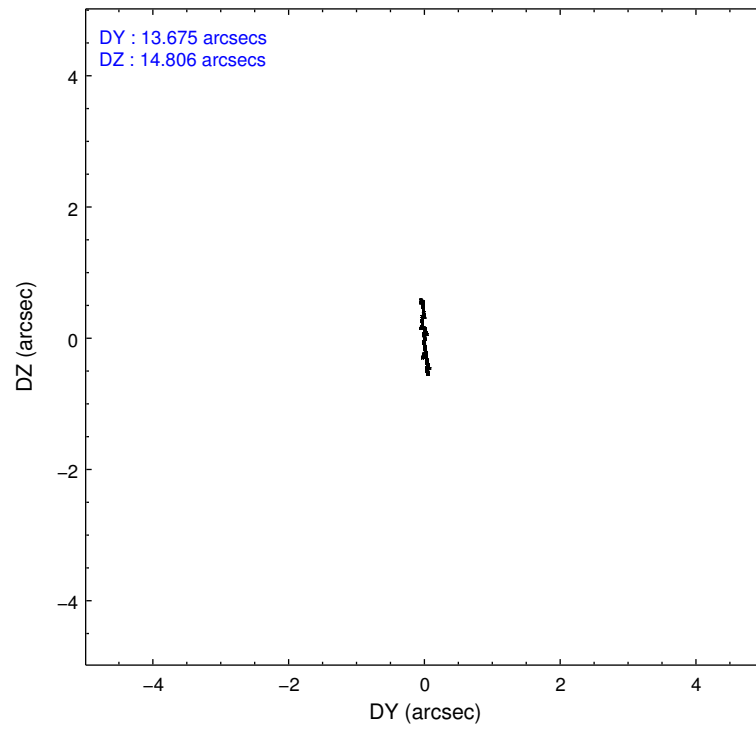
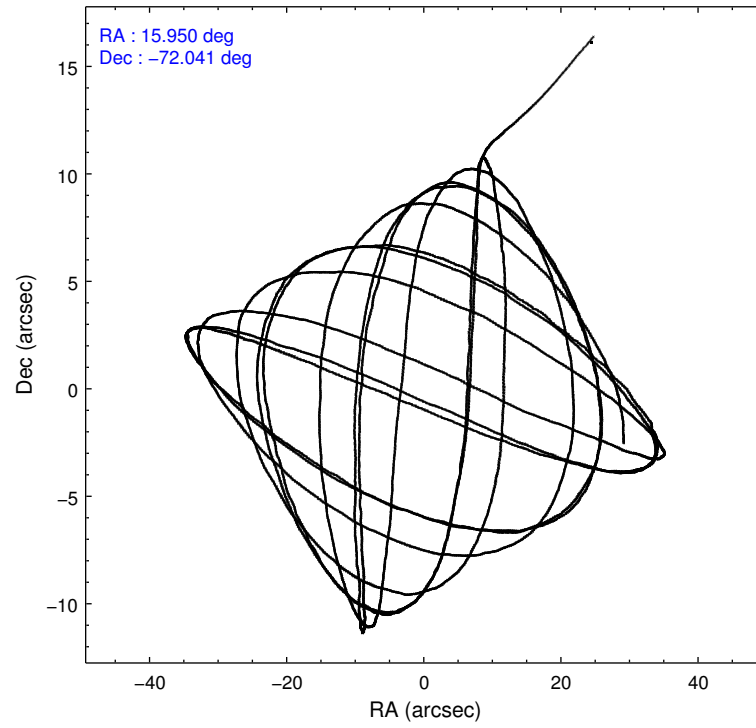
	ccd 7
level 1 events	70259
rejected events	11334
rejected %	16%

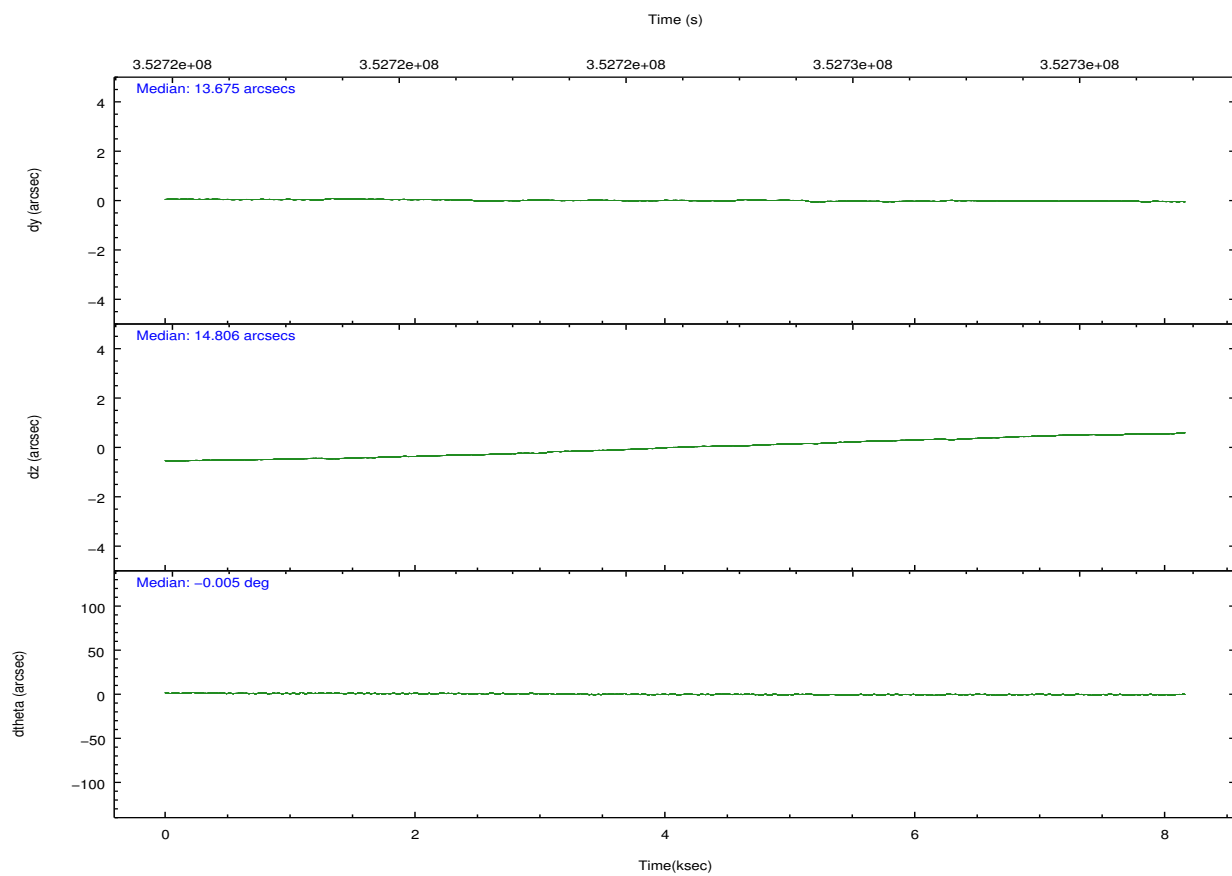
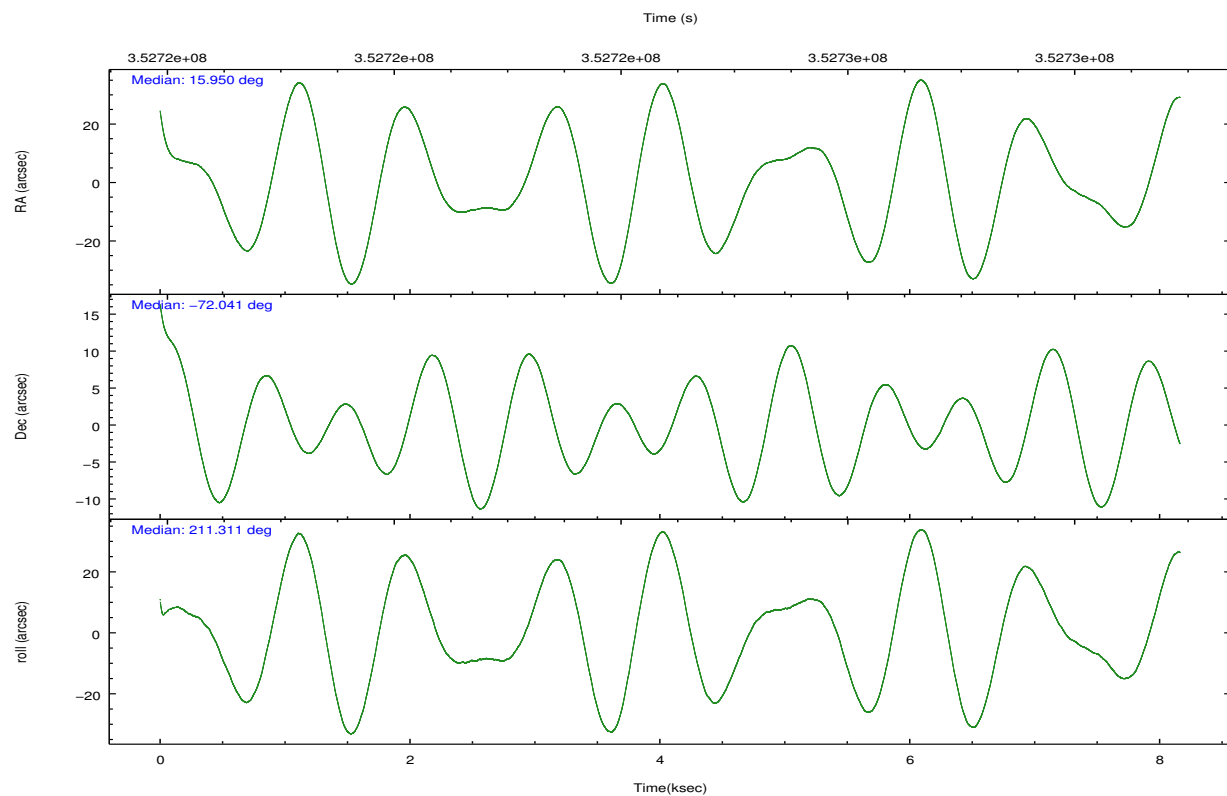
	ccd 7
grade 0 events	20225
	28%
grade 1 events	121
	0%
grade 2 events	15725
	22%
grade 3 events	7286
	10%
grade 4 events	7118
	10%
grade 5 events	2391
	3%
grade 6 events	10555
	15%
grade 7 events	6838
	9%

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	15.991080	15.94971315220673	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.017241	-72.0413491689738	Subarray start row	335	335
[deg] Pointing Roll	211.198932	211.3161880764728	Subarray row count	256	256
[s] Window start time (MET)	344476865.184000	344476865.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	357436866.184000	357436866.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	352720516.184000	352719340.97338			
Observation start date	2009-03-06T09:54:10	2009-03-06T09:35:40			
[s] Observation end time (MET)	352728516.184000	352728650.02384			
Observation end date	2009-03-06T12:07:30	2009-03-06T12:10:50			
Read mode	TIMED	TIMED			

2.3 Aspect



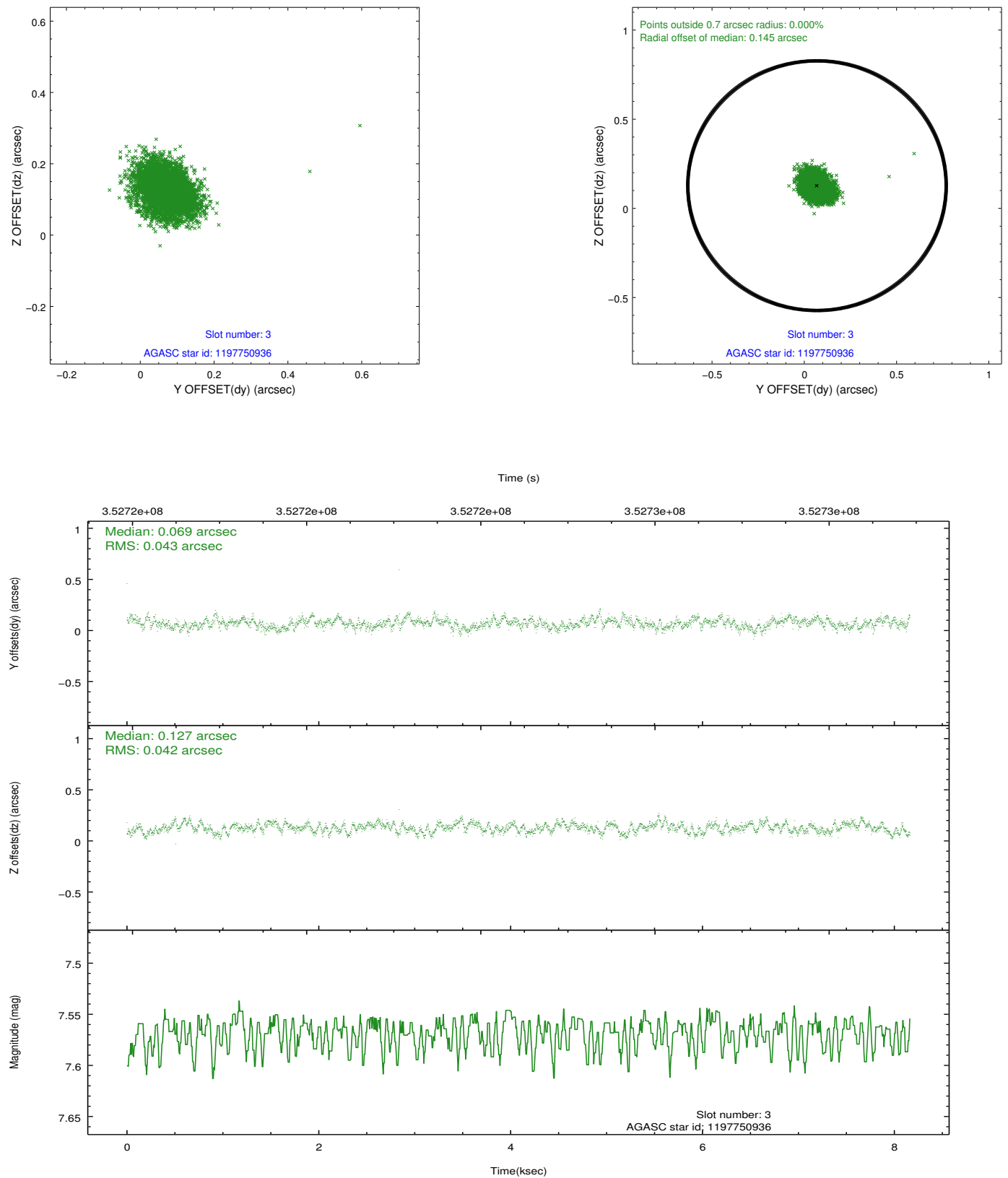


Slot Statistics

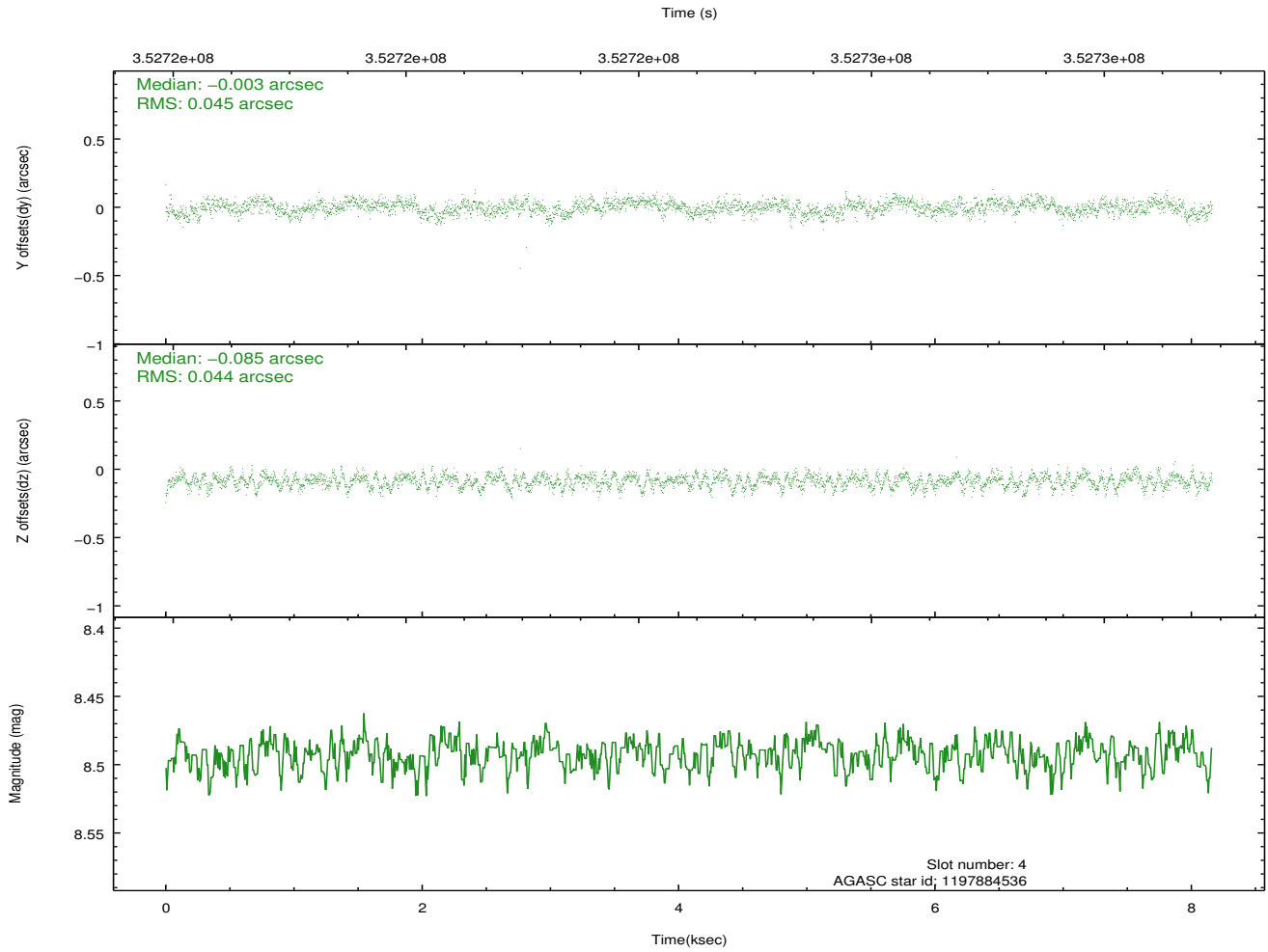
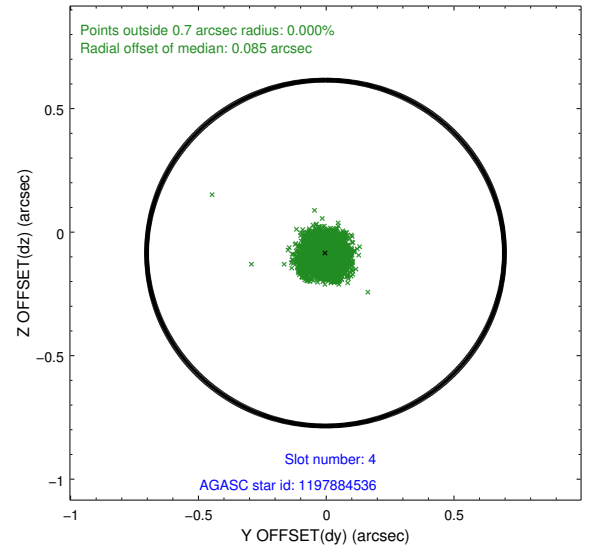
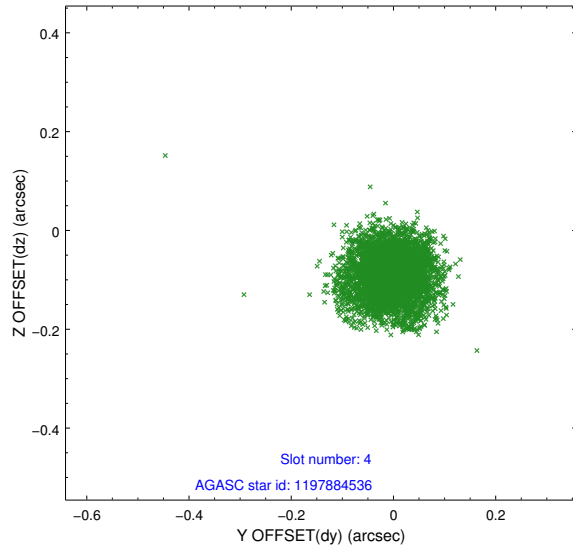
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	1991	-0.068	-0.045	0.011	0.017	0.000000	0.000000	-766.66	-1736.17
1	FID	ACIS-S-4	7.04	1991	0.218	0.045	0.006	0.011	0.000000	0.000000	2146.57	171.73
2	FID	ACIS-S-5	7.07	1991	-0.181	0.008	0.010	0.016	0.000000	0.000000	-1818.76	166.09
3	GUIDE	1197750936	7.57	3983	0.069	0.127	0.064	0.101	15.387940	-71.549550	-281.65	-1792.46
4	GUIDE	1197884536	8.49	3983	-0.003	-0.085	0.066	0.107	17.160729	-71.835289	-1454.98	130.13
5	GUIDE	1197884712	8.29	3983	-0.015	-0.030	0.058	0.095	16.087398	-72.252690	348.84	780.22
6	GUIDE	1197885328	7.26	3982	0.069	0.162	0.062	0.096	16.283090	-71.733943	-809.95	-700.35
7	GUIDE	1198189696	7.35	3982	-0.124	-0.175	0.061	0.093	15.223750	-72.697522	1974.15	1674.06

2.4 Star Slots

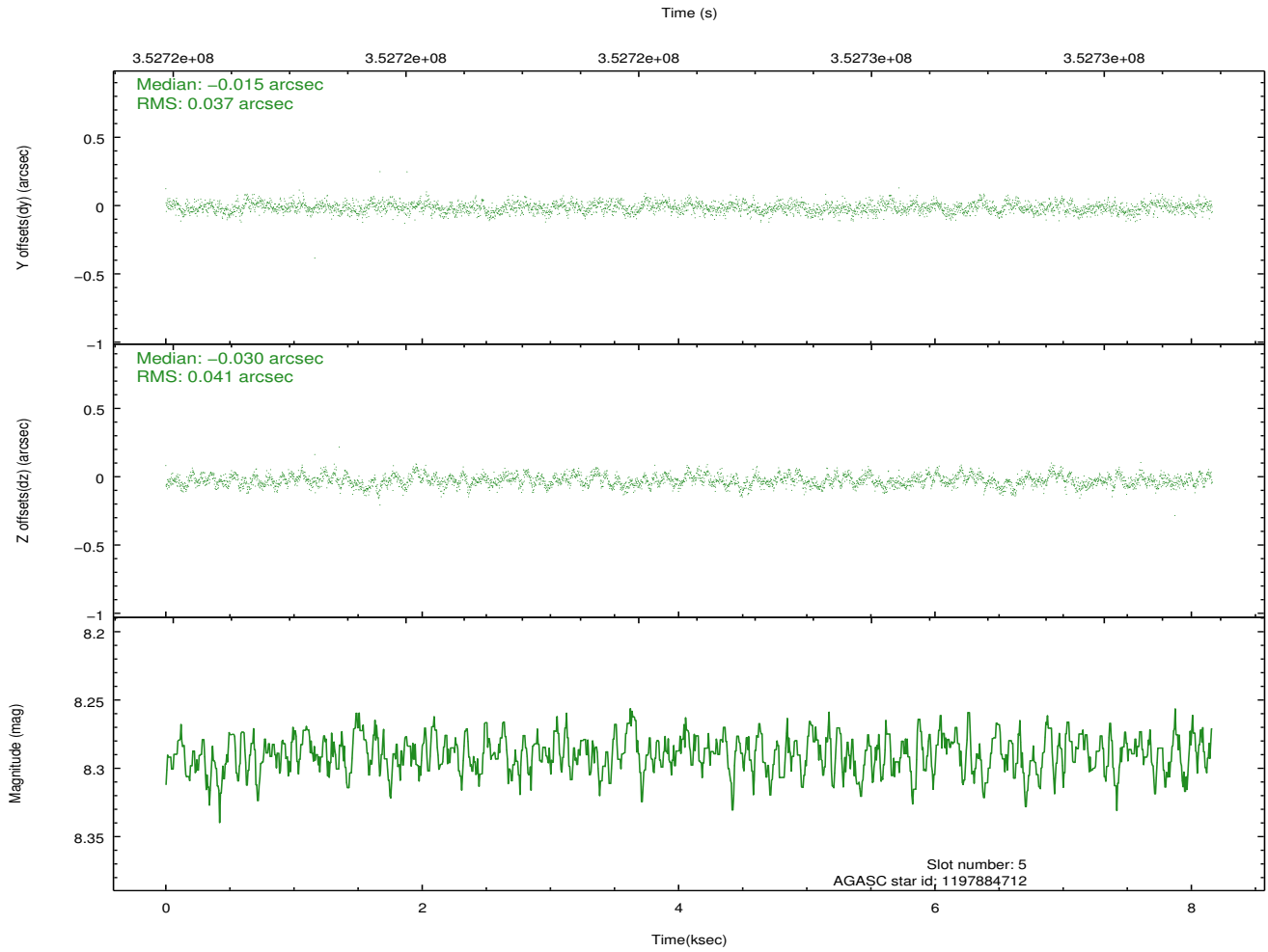
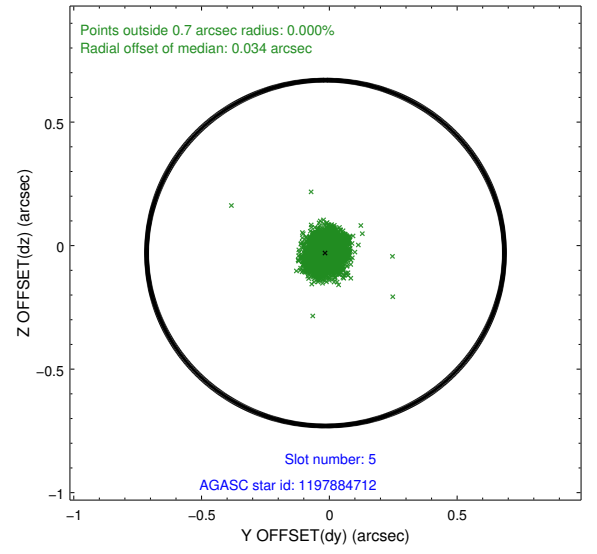
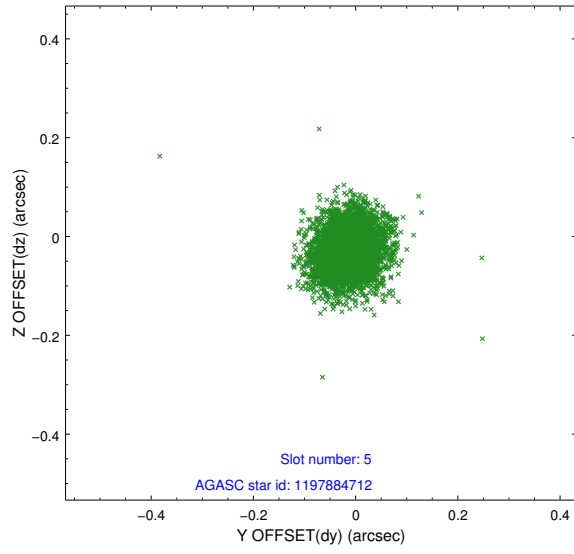
2.4.1 Slot 3



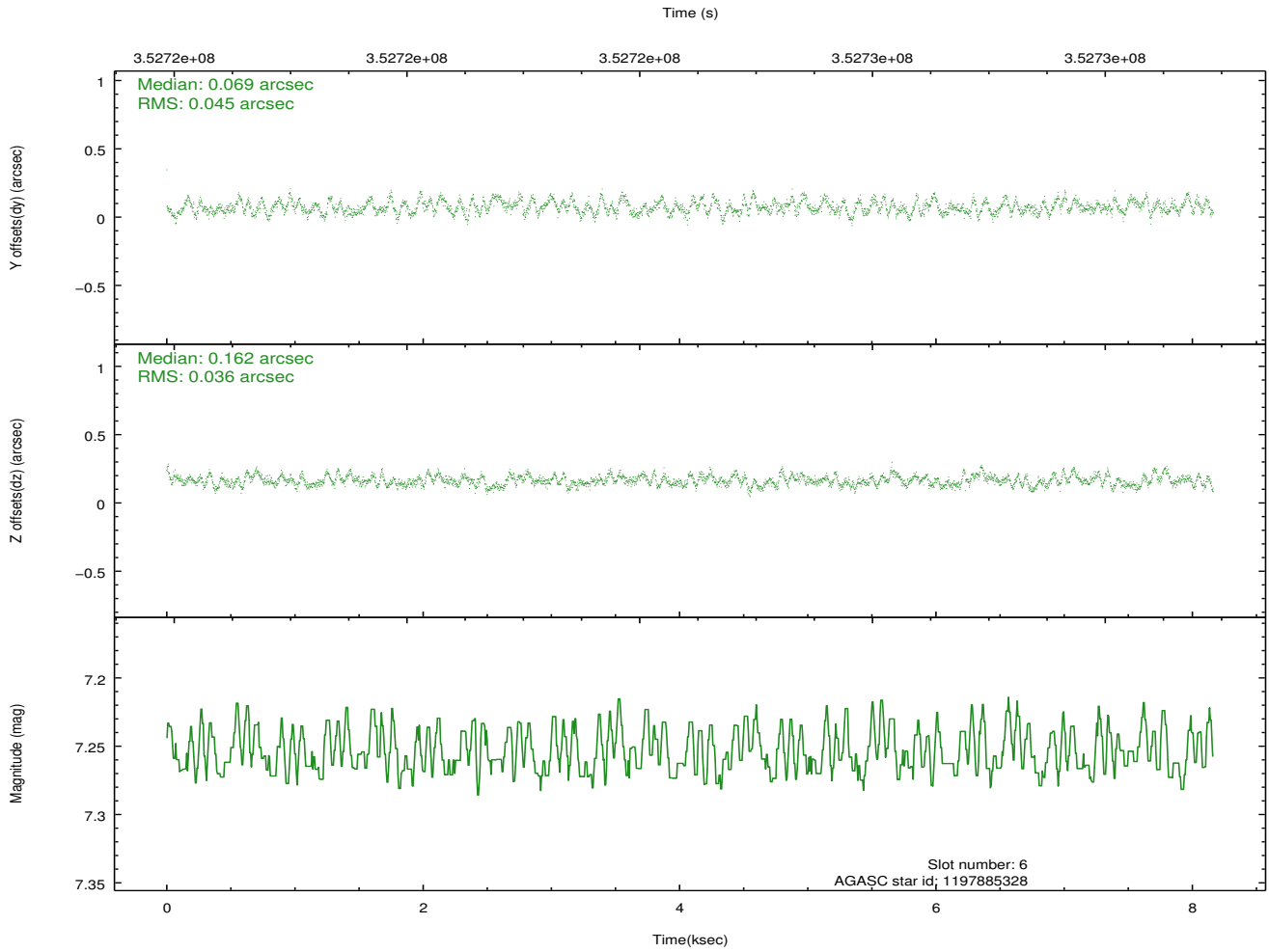
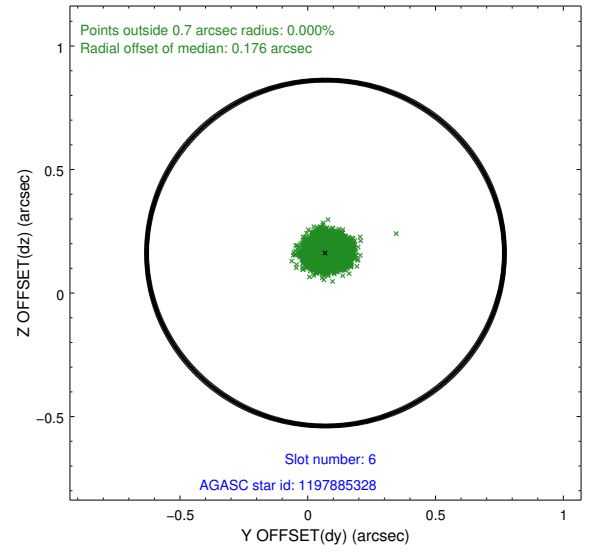
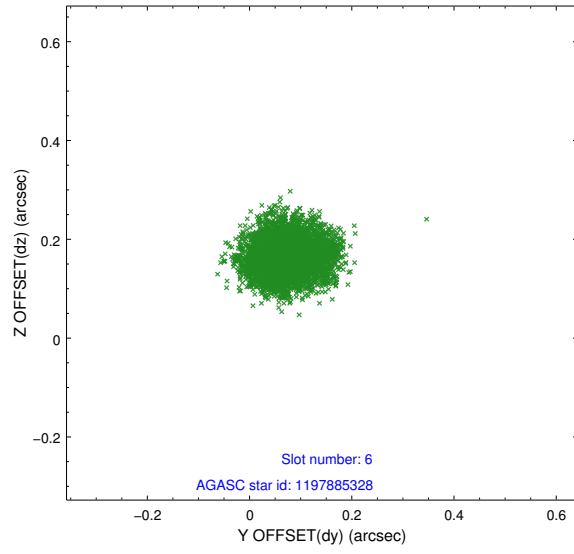
2.4.2 Slot 4



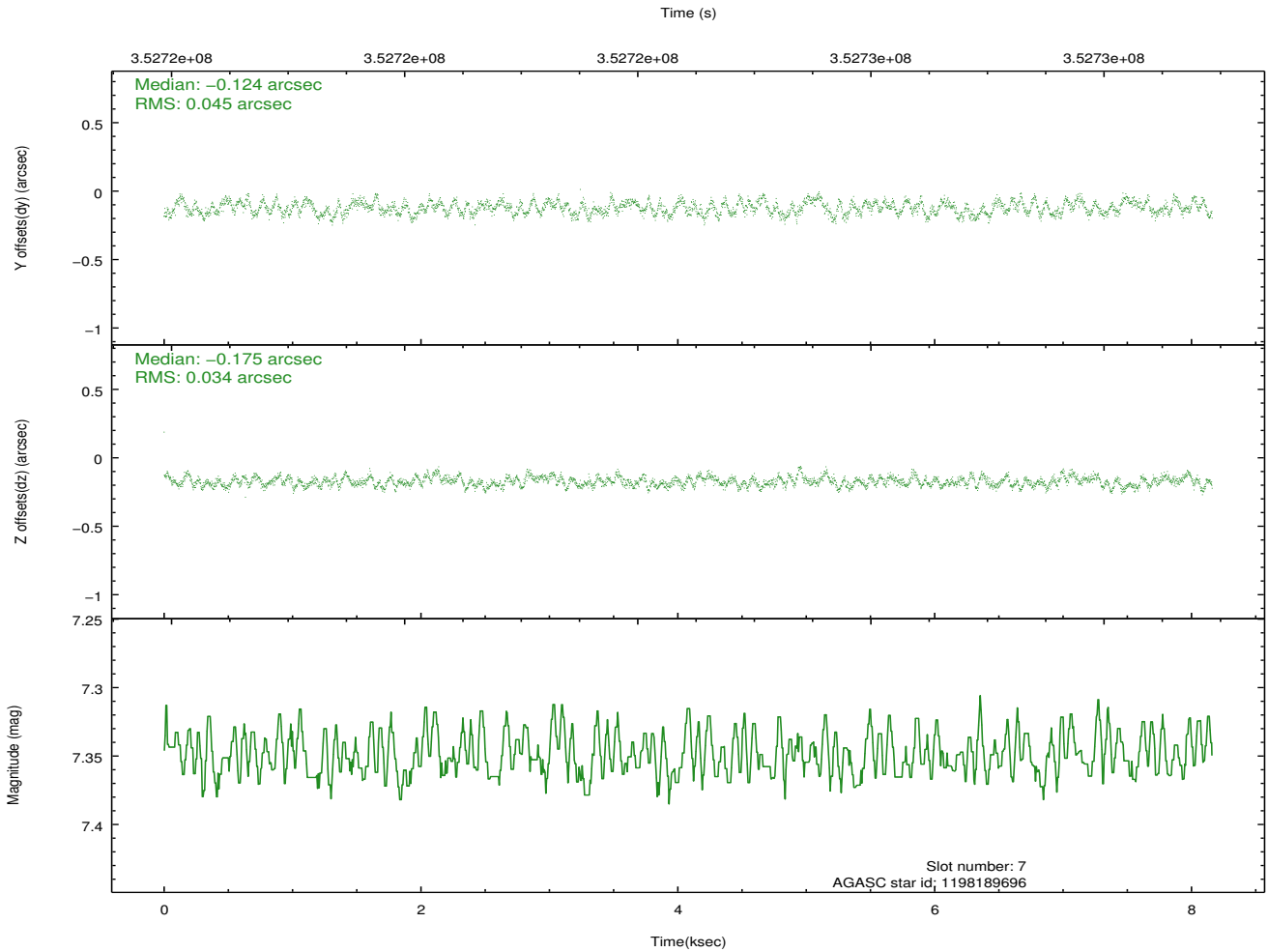
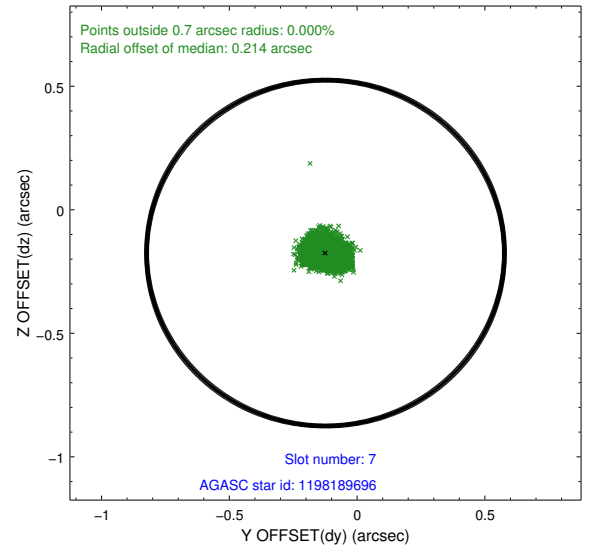
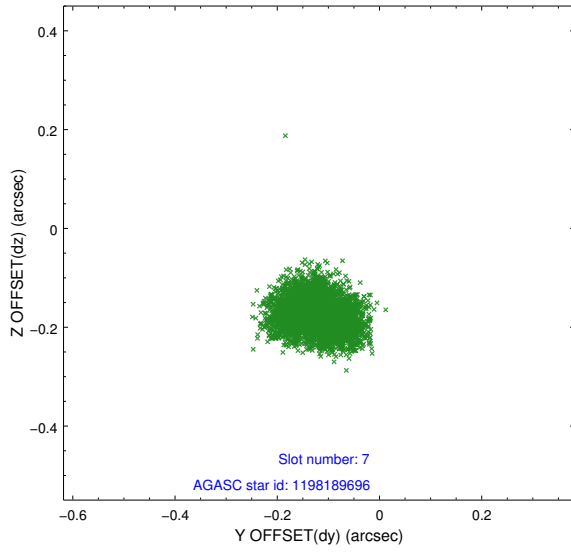
2.4.3 Slot 5



2.4.4 Slot 6

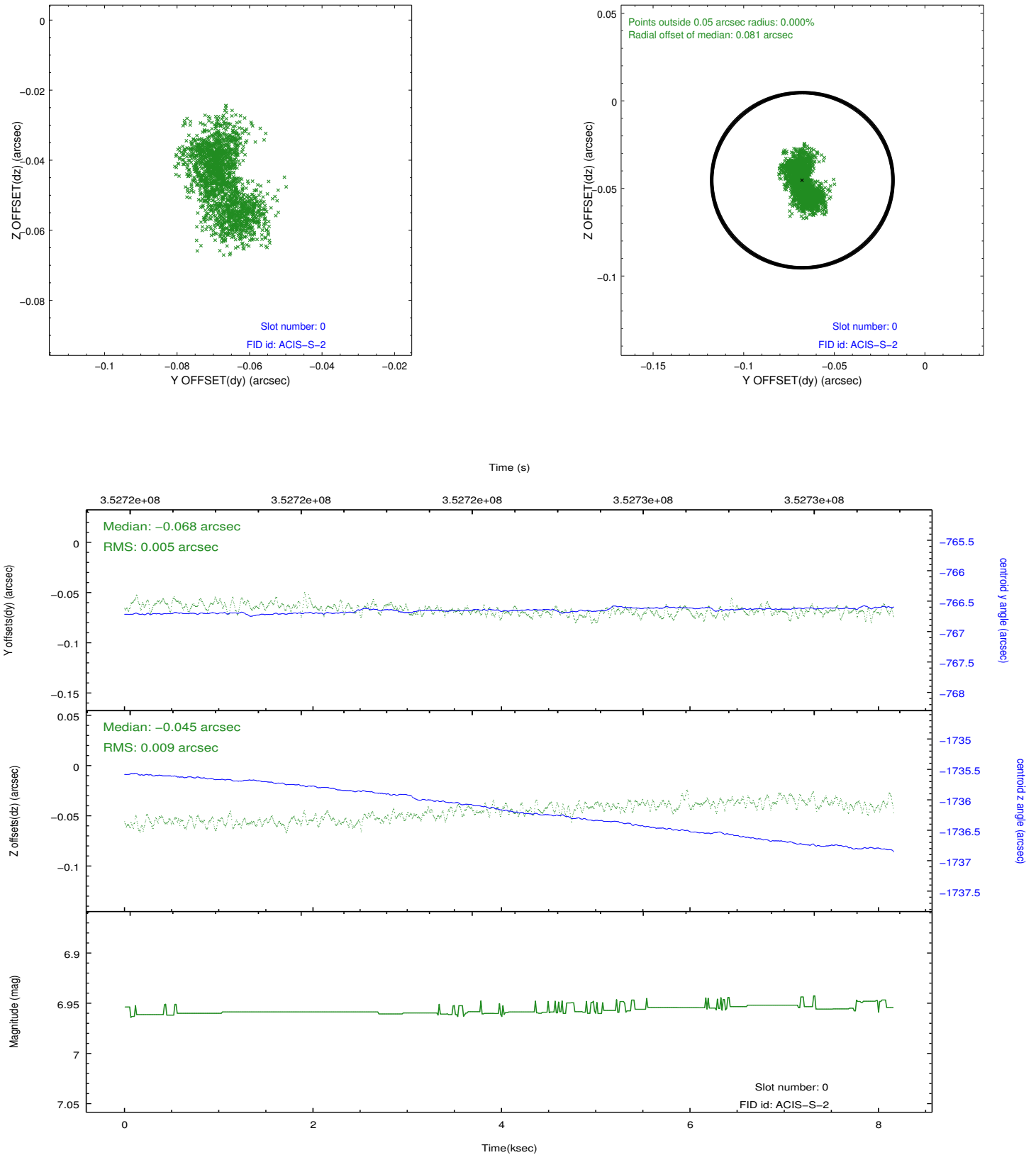


2.4.5 Slot 7

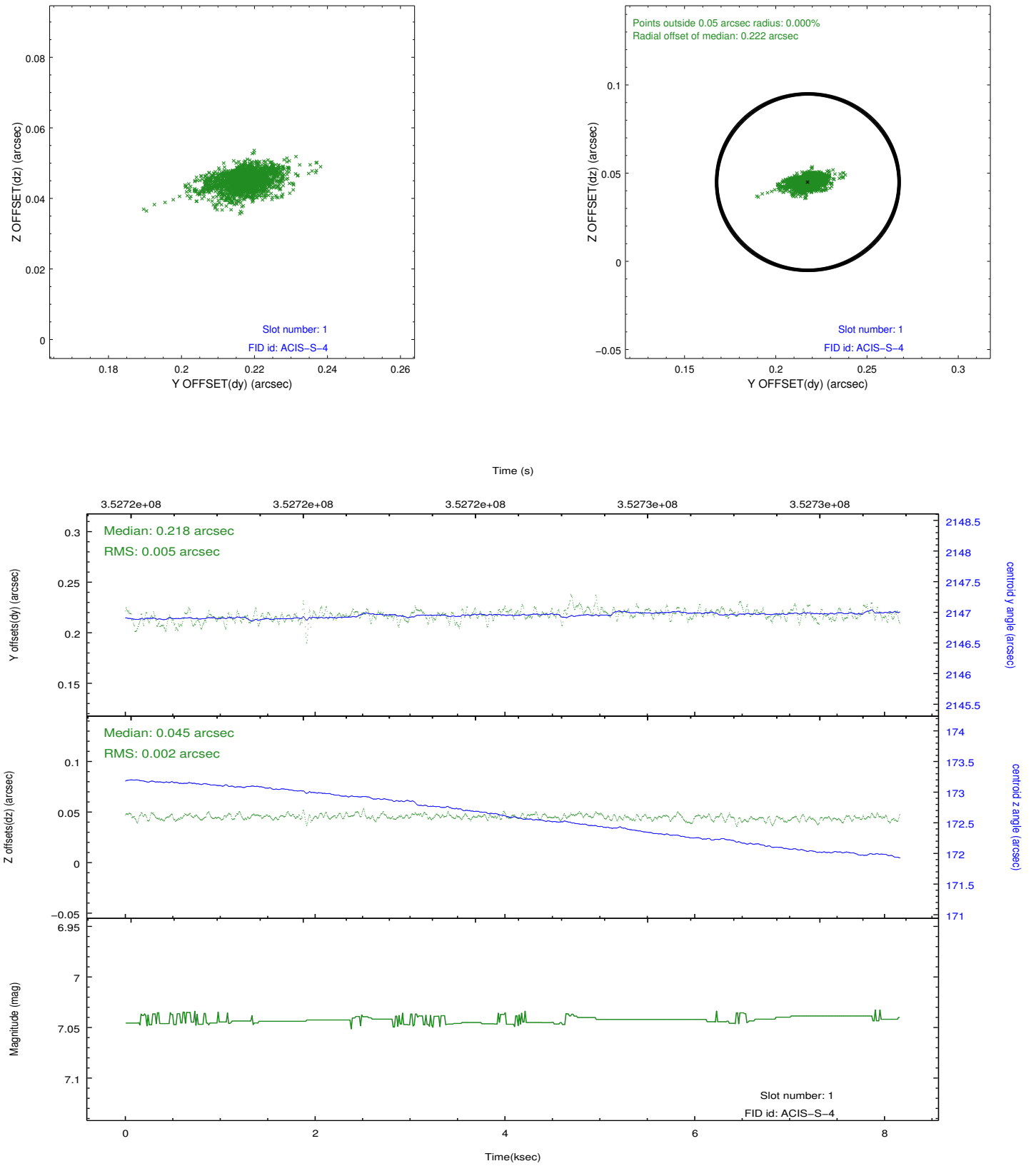


2.5 FID Slots

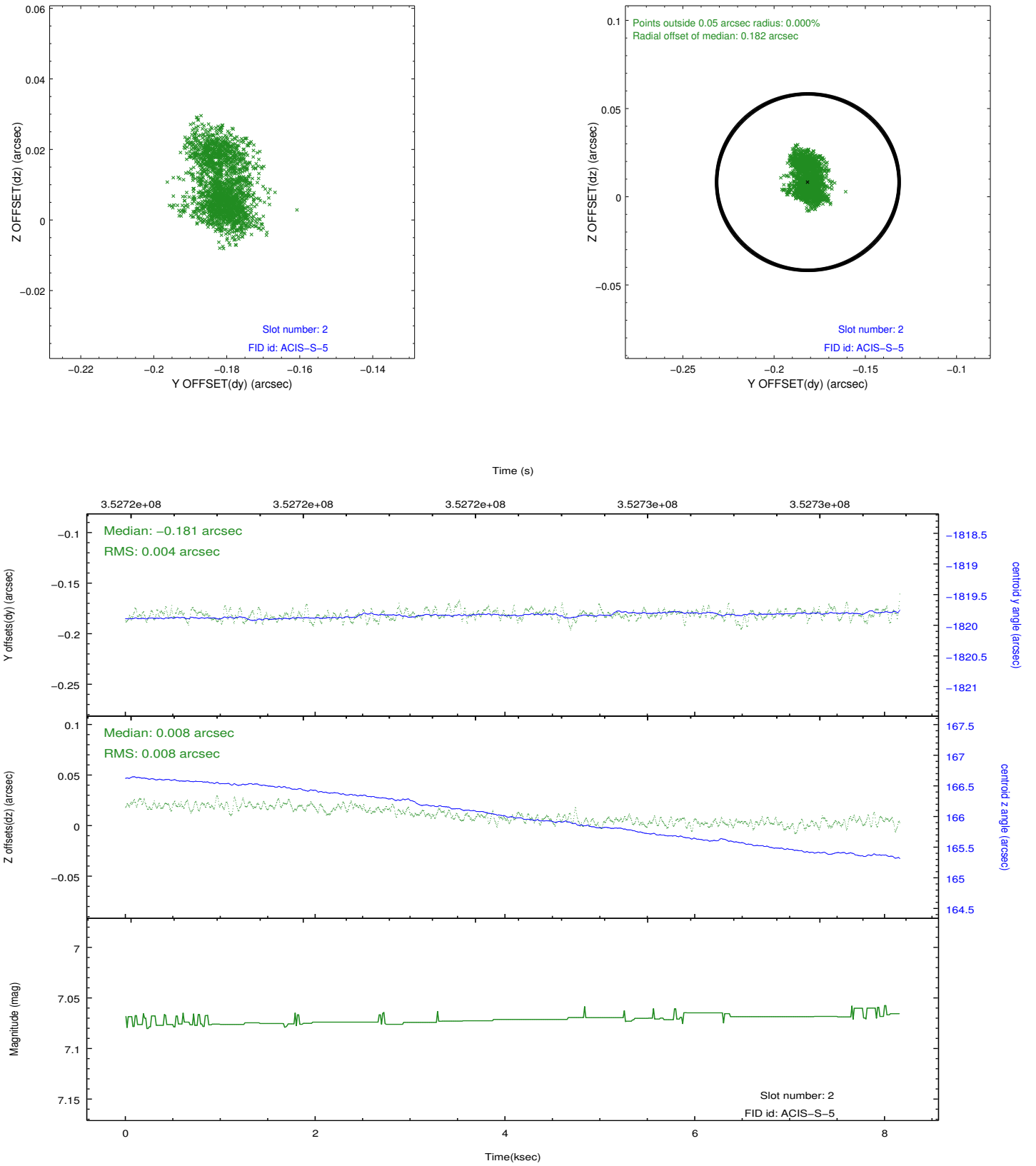
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.16240012

A.2 Comments

Window constraint met.