

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10654 - L2 Version 2
Chandra X-Ray Center

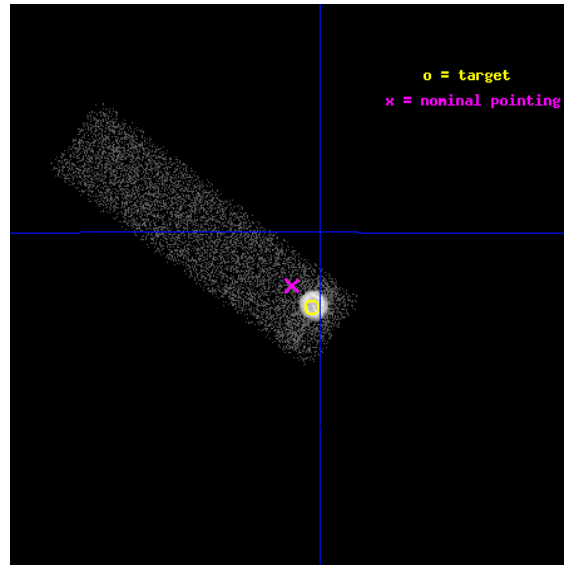
L2 Processing Date : Jun 1 2012

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1 Front

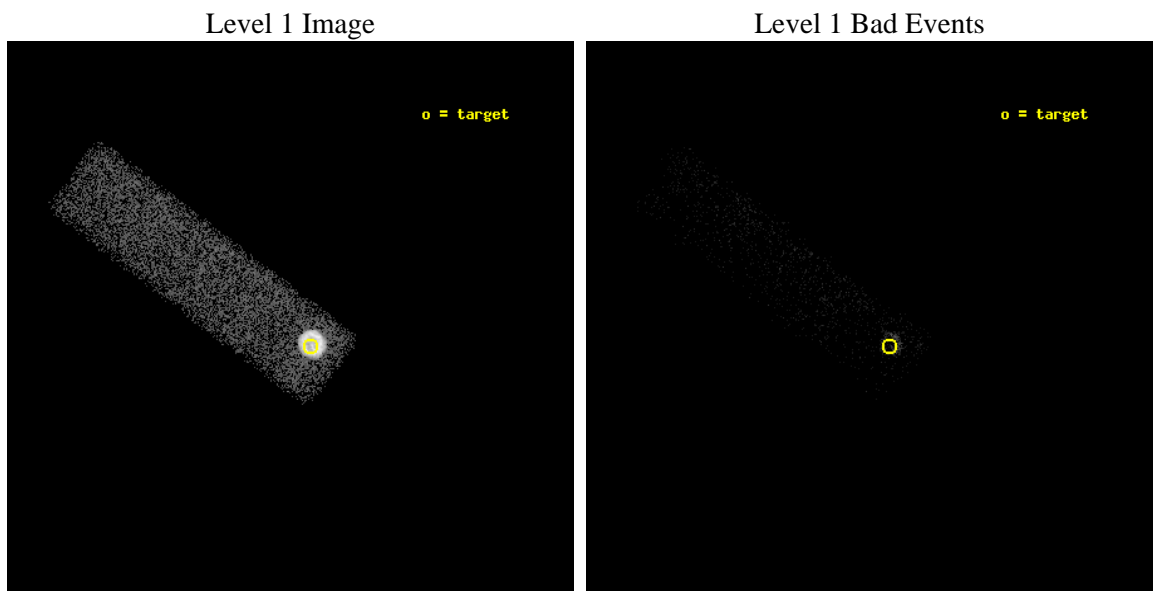
seq_num	590493	Sequence number
obs_id	10654	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S3,-120,1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.039394665321	Nominal RA [deg]
dec_nom	-72.023163942618	Nominal Dec [deg]
roll_nom	217.09766774581	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7682.4001145363	Sum of GTIs [s]
livetime	7307.5241268299	Livetime [s]
ontime7	7682.4001145363	Sum of GTIs [s]
l2events	54603	Number of level 2 events



2 OBI

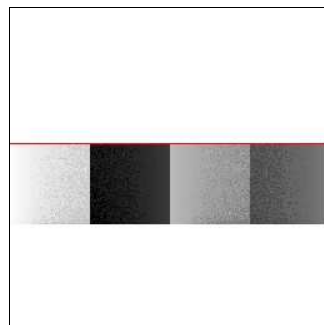
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7682.4001145363	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	7682.4001145363	Sum of GTIs [s]
date	2012-06-01T22:56:45	Date and time of file creation	l1events	63756	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

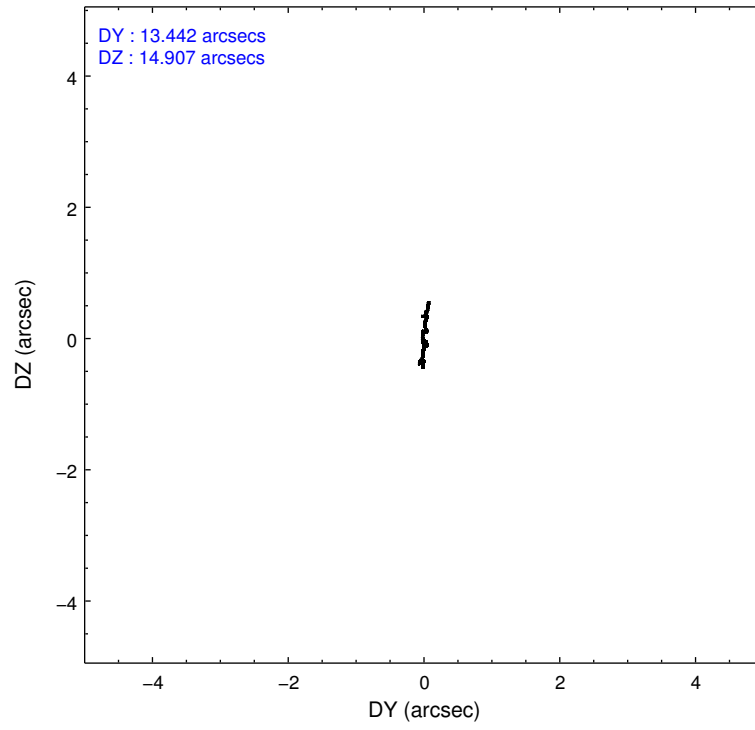
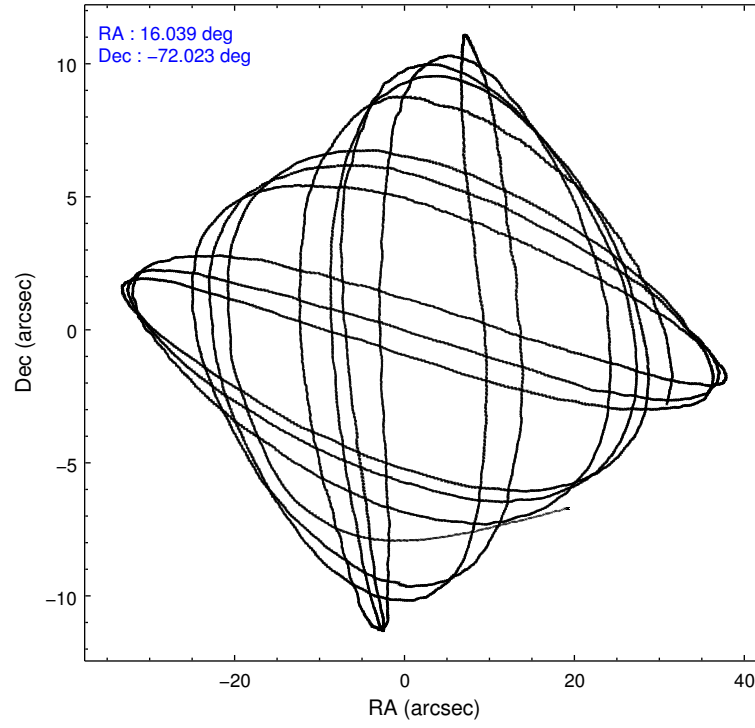
	ccd 7
level 1 events	63756
rejected events	8861
rejected %	13%

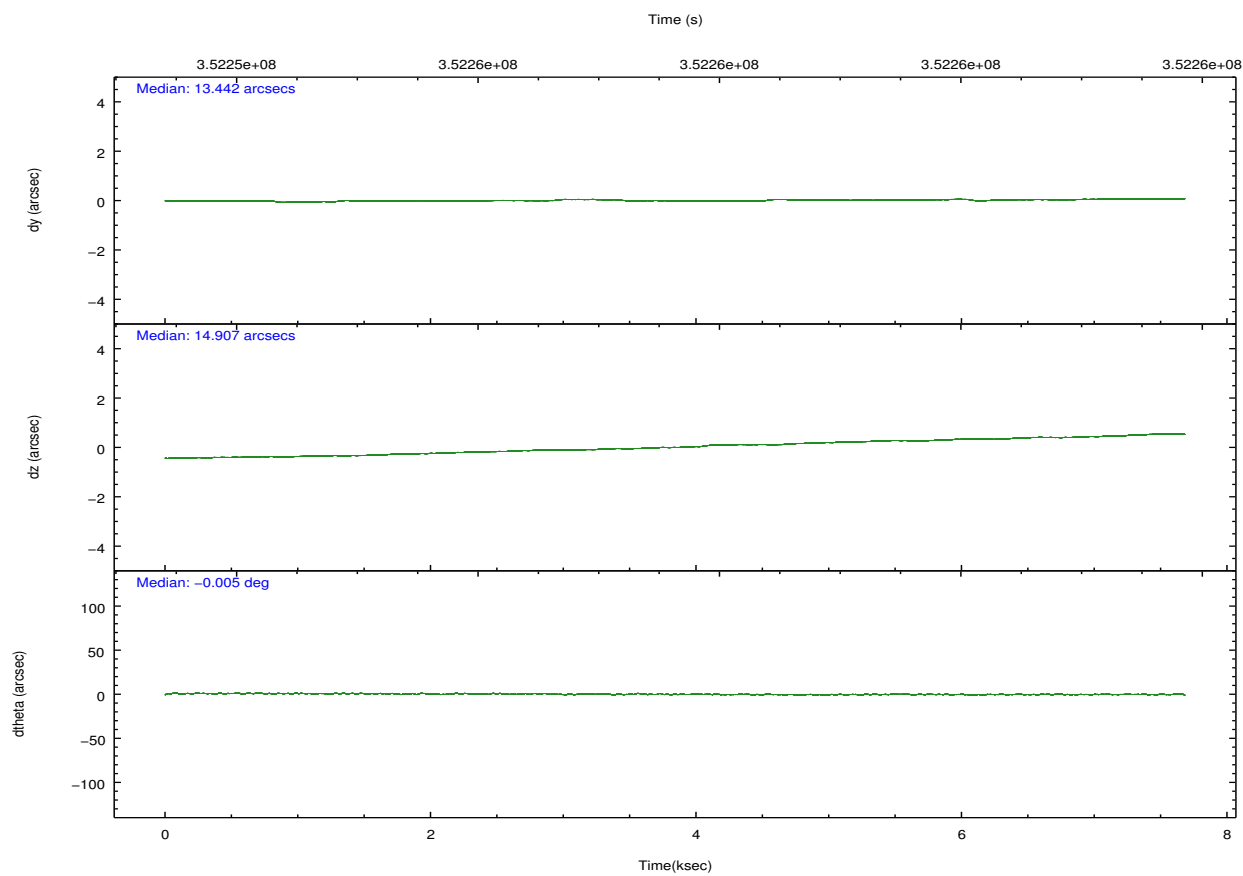
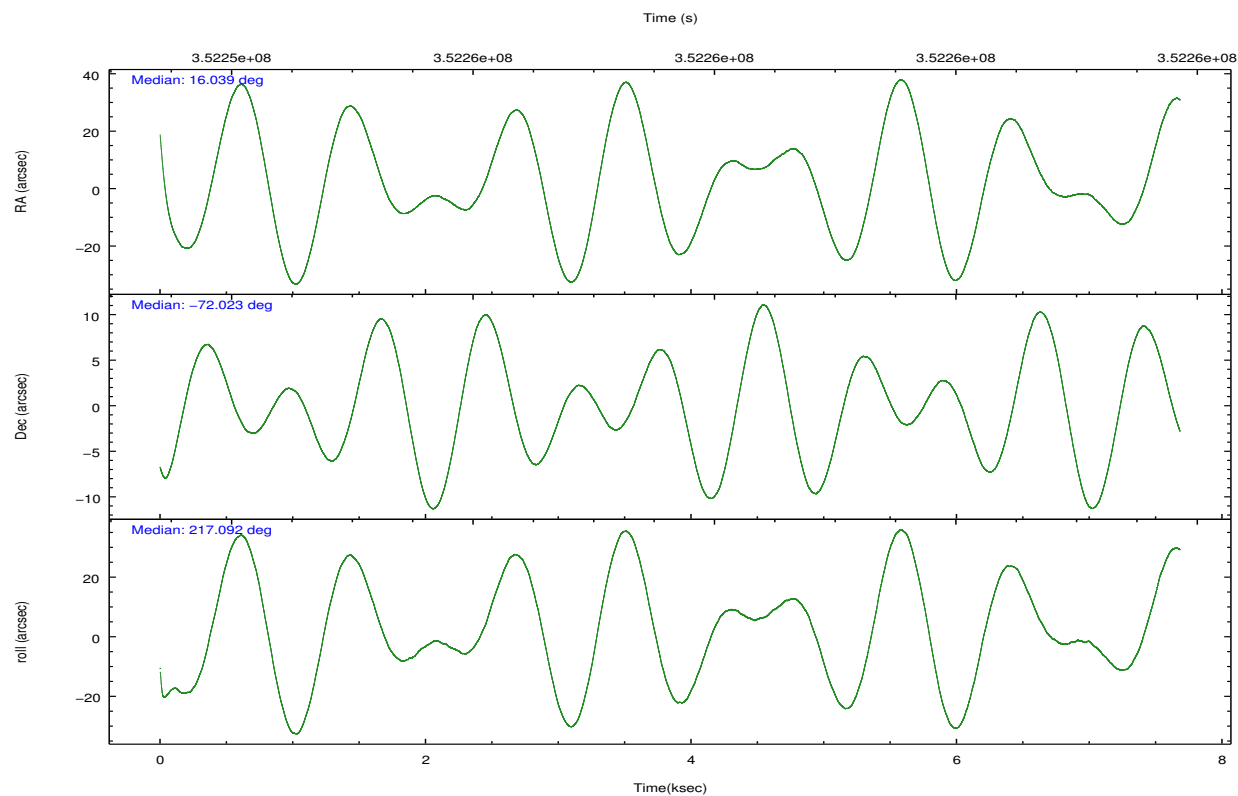
	ccd 7
grade 0 events	15366
	24%
grade 1 events	94
	0%
grade 2 events	15091
	23%
grade 3 events	7010
	10%
grade 4 events	6798
	10%
grade 5 events	2111
	3%
grade 6 events	11588
	18%
grade 7 events	5698
	8%

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	16.072691	16.03939466532134	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-71.997876	-72.02316394261823	Subarray start row	335	335
[deg] Pointing Roll	216.972756	217.0976677458066	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	352253976.184000	352253200.67524			
Observation start date	2009-03-01T00:18:30	2009-03-01T00:06:40			
[s] Observation end time (MET)	352261476.184000	352261610.28816			
Observation end date	2009-03-01T02:23:30	2009-03-01T02:26:50			
Read mode	TIMED	TIMED			

2.3 Aspect



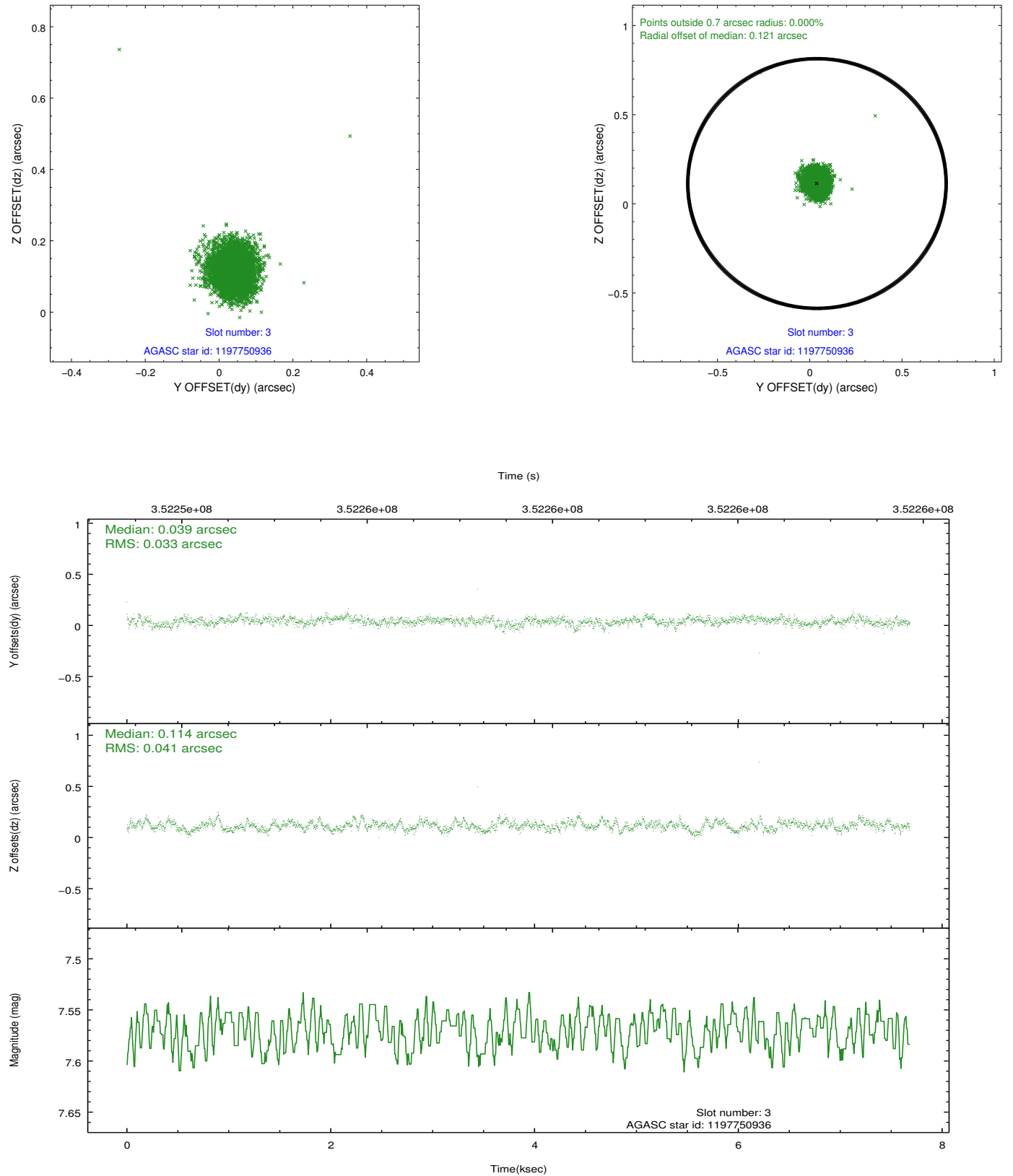


Slot Statistics

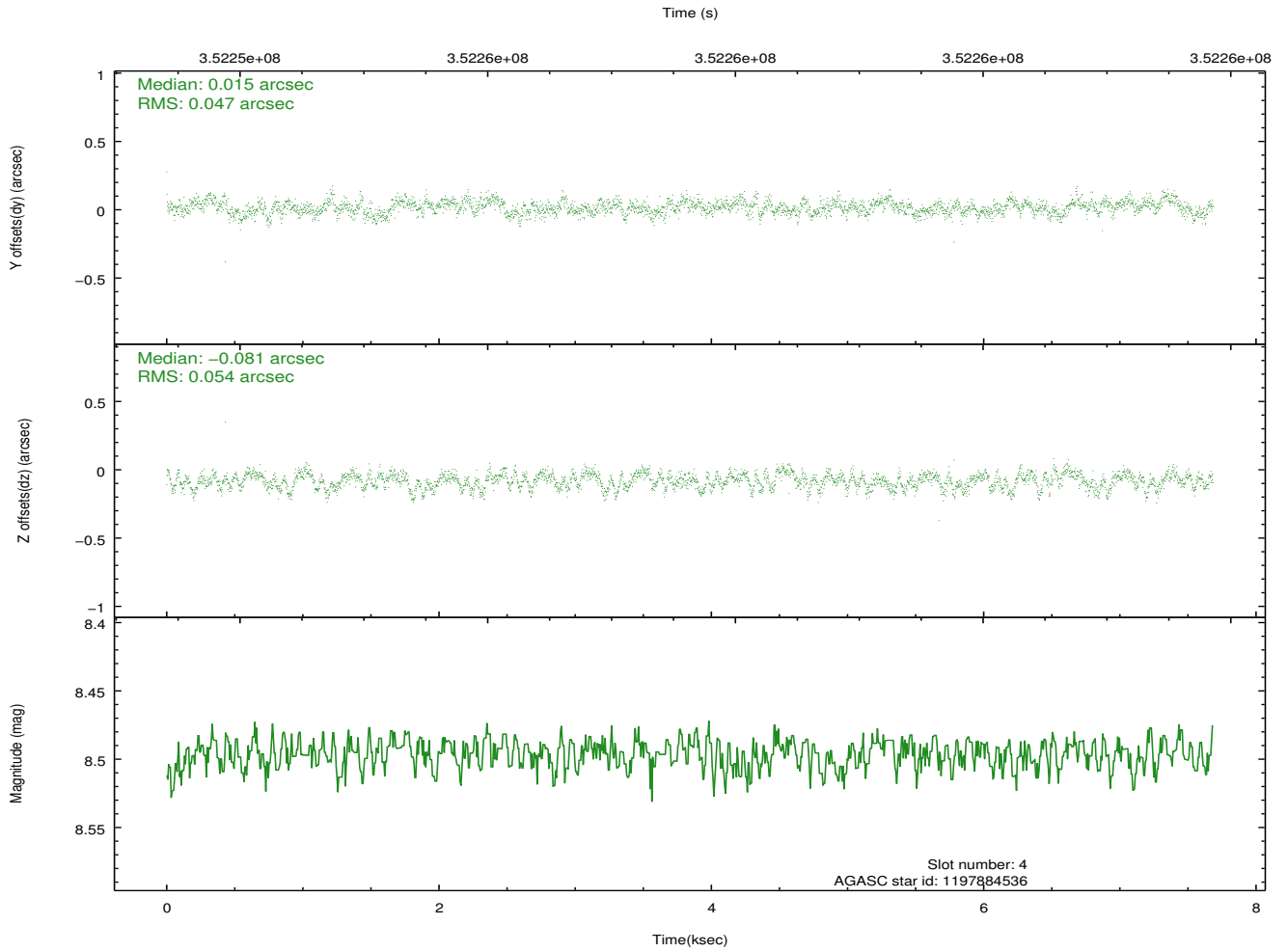
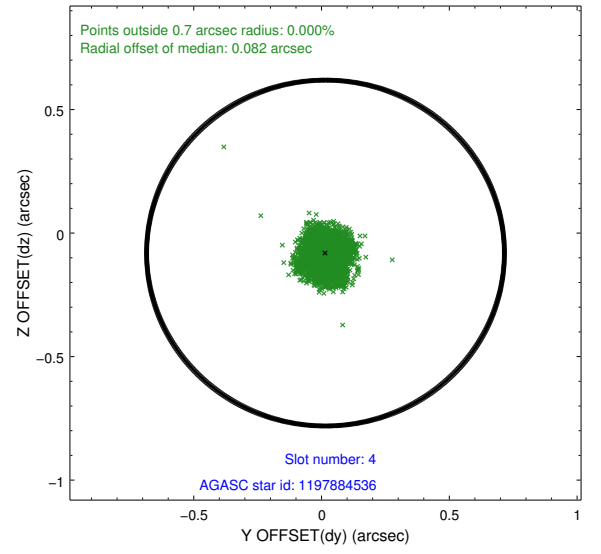
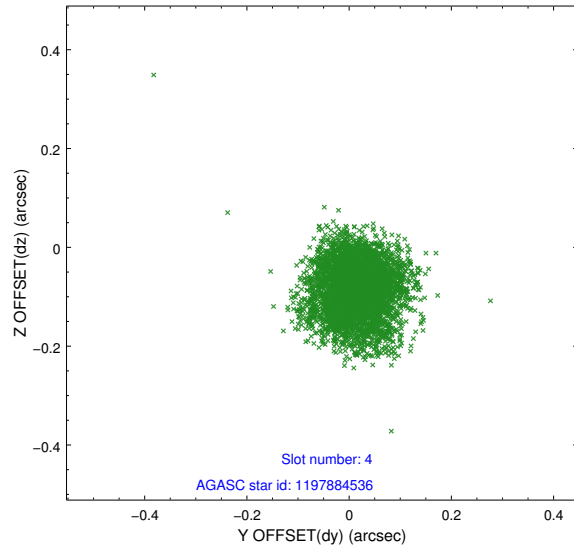
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	1874	-0.063	-0.039	0.009	0.017	0.000000	0.000000	-766.41	-1736.25
1	FID	ACIS-S-4	7.06	1874	0.203	0.041	0.006	0.011	0.000000	0.000000	2146.76	171.58
2	FID	ACIS-S-5	7.08	1873	-0.172	0.007	0.009	0.015	0.000000	0.000000	-1818.45	166.01
3	GUIDE	1197750936	7.57	3747	0.039	0.114	0.054	0.087	15.387940	-71.549550	-343.90	-1754.44
4	GUIDE	1197884536	8.50	3748	0.015	-0.081	0.077	0.120	17.160729	-71.835289	-1320.51	275.11
5	GUIDE	1197884712	8.29	3745	-0.020	-0.060	0.068	0.107	16.087398	-72.252690	538.89	742.95
6	GUIDE	1197885328	7.25	3747	0.111	0.156	0.060	0.098	16.283090	-71.733943	-761.08	-615.26
7	GUIDE	1198189696	7.35	3748	-0.147	-0.127	0.055	0.087	15.223750	-72.697522	2244.88	1471.11

2.4 Star Slots

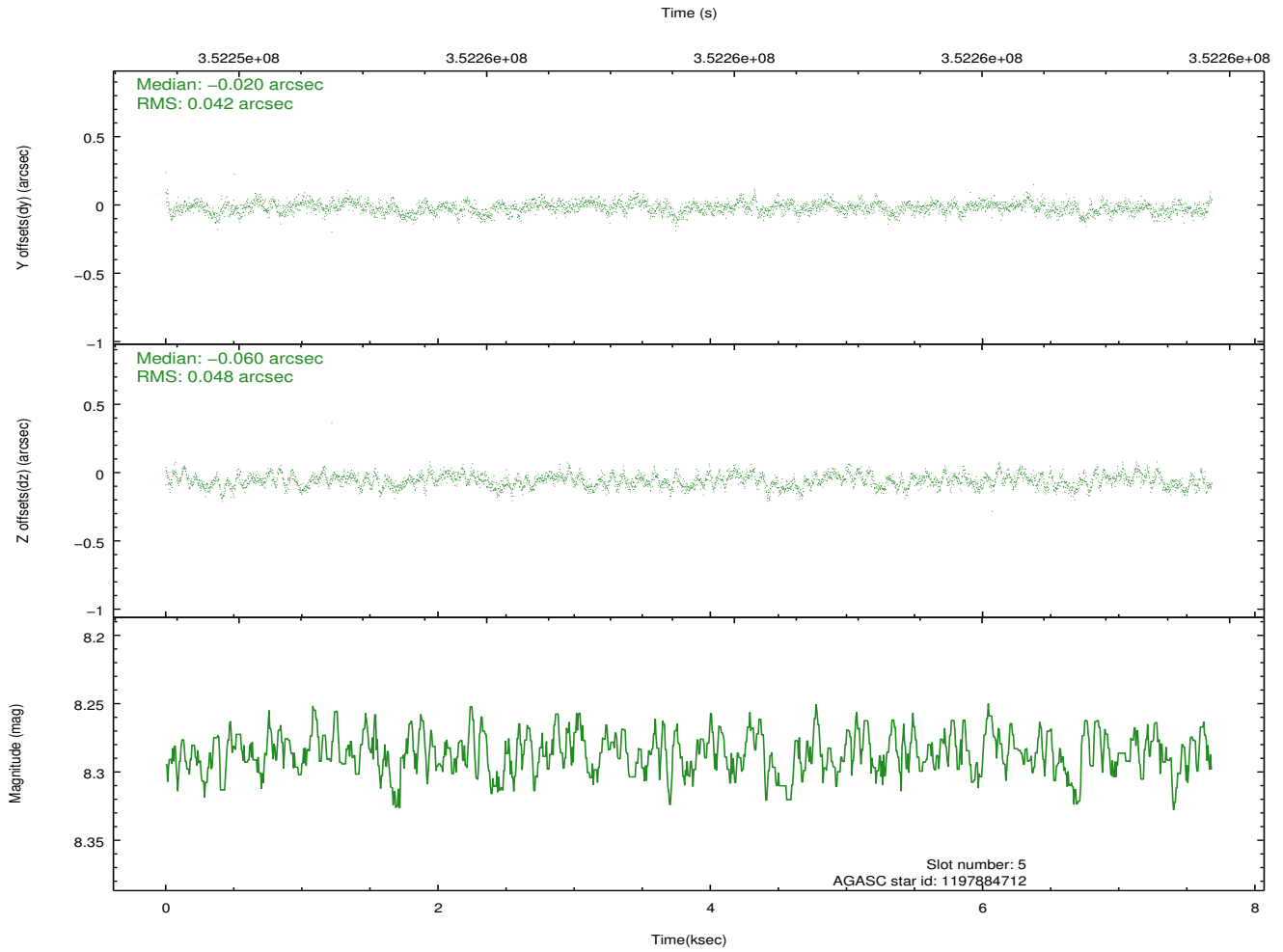
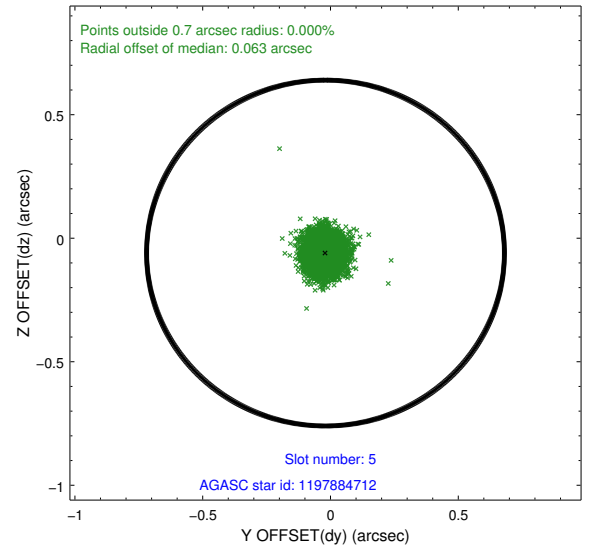
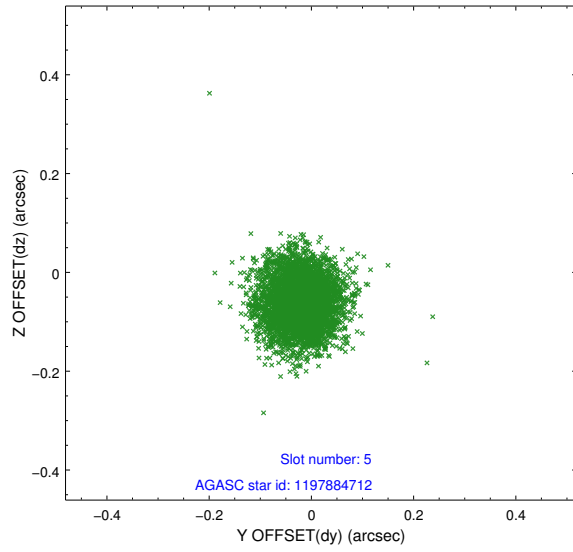
2.4.1 Slot 3



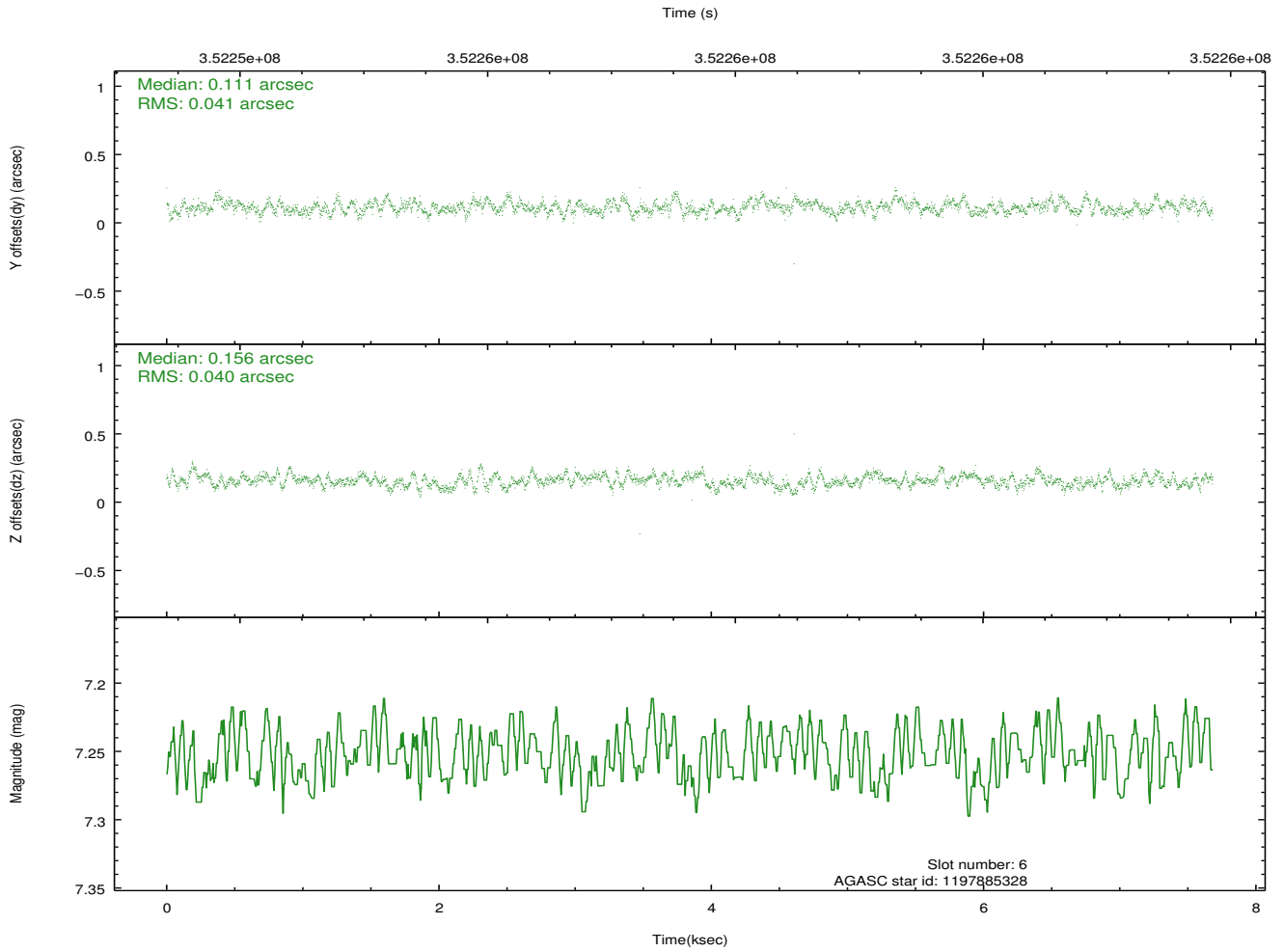
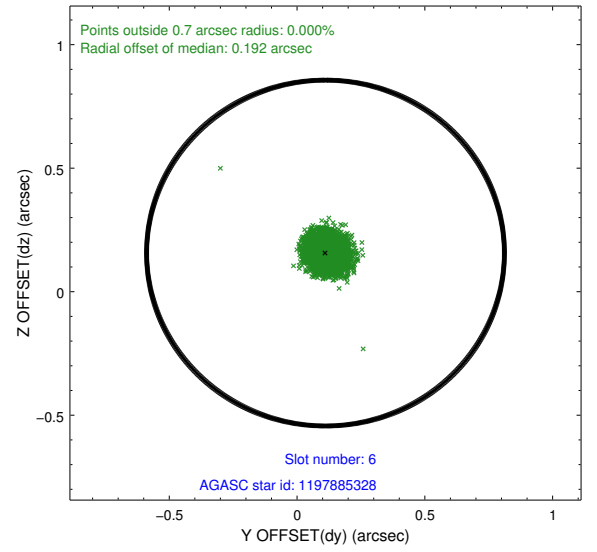
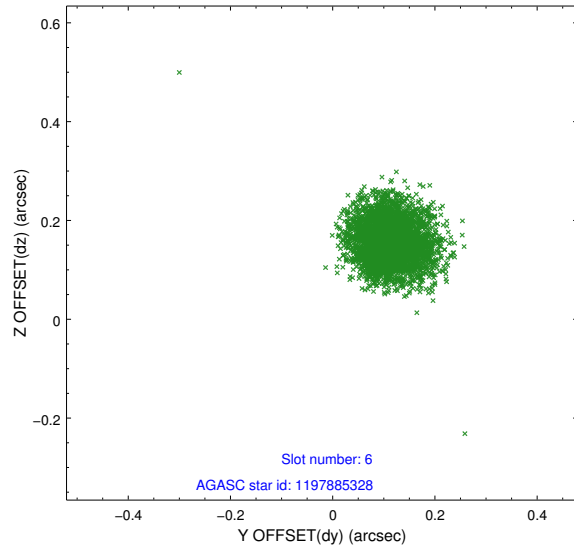
2.4.2 Slot 4



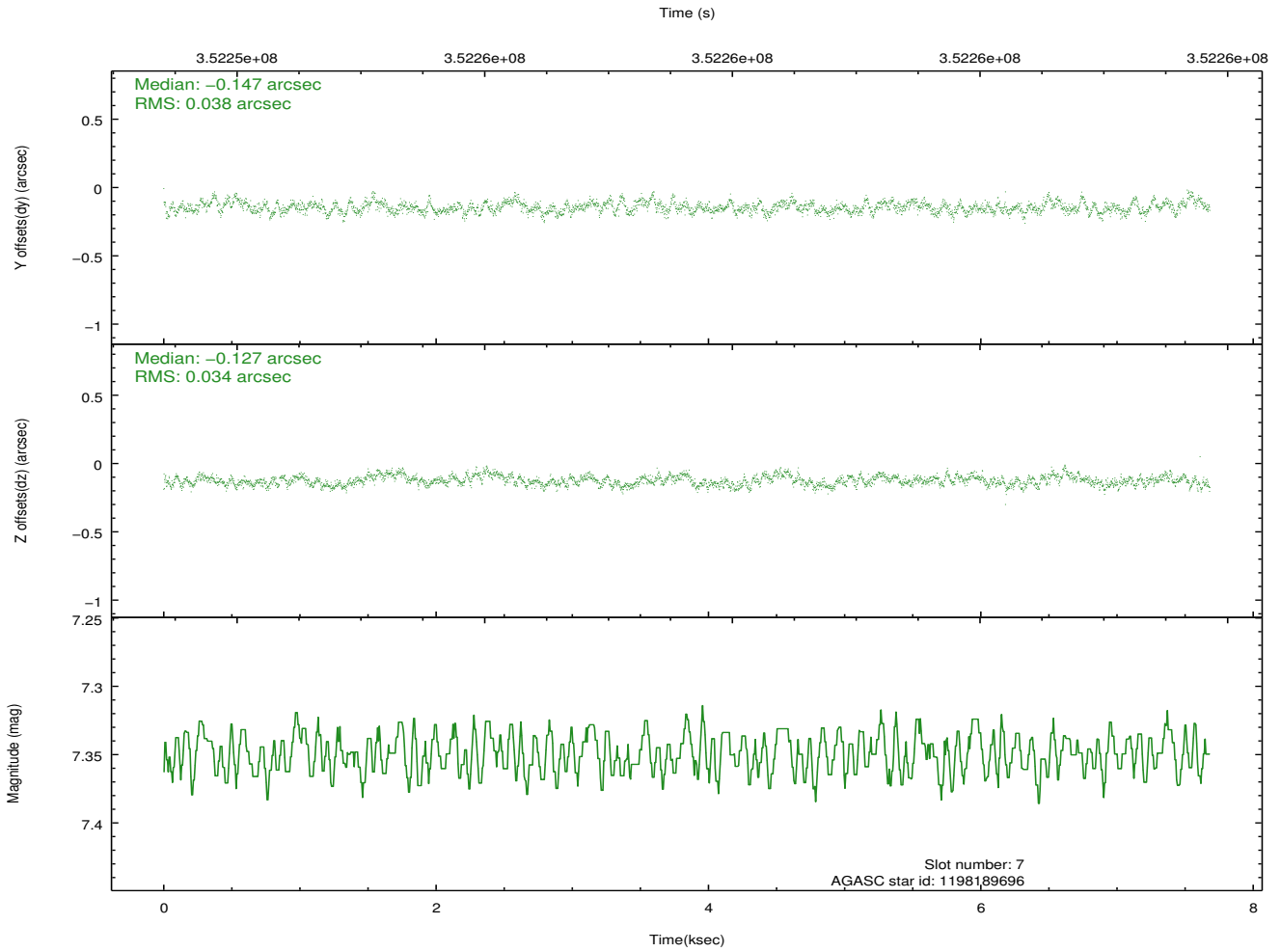
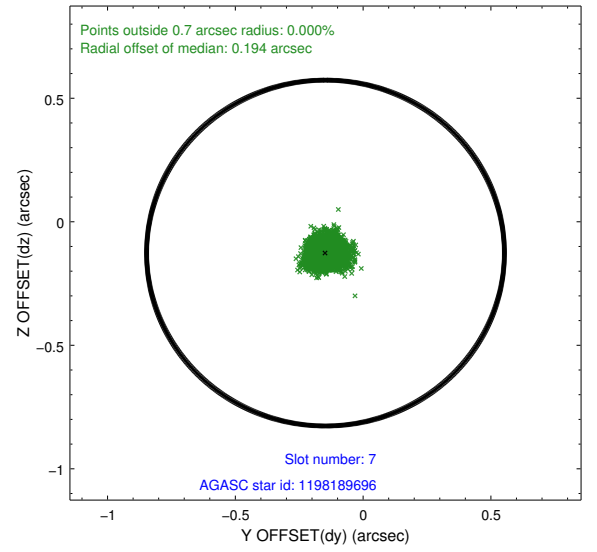
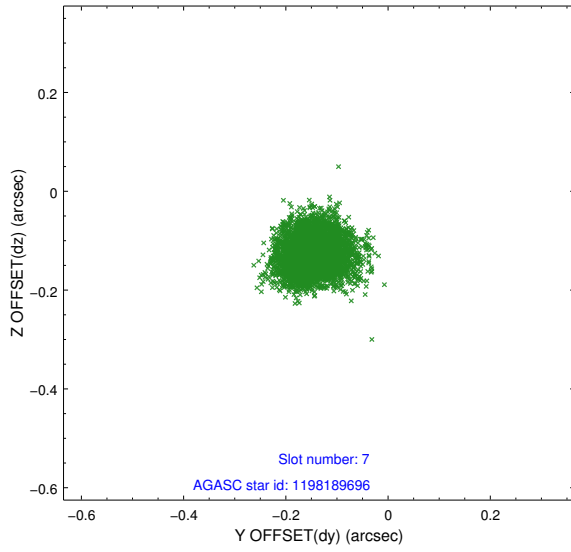
2.4.3 Slot 5



2.4.4 Slot 6

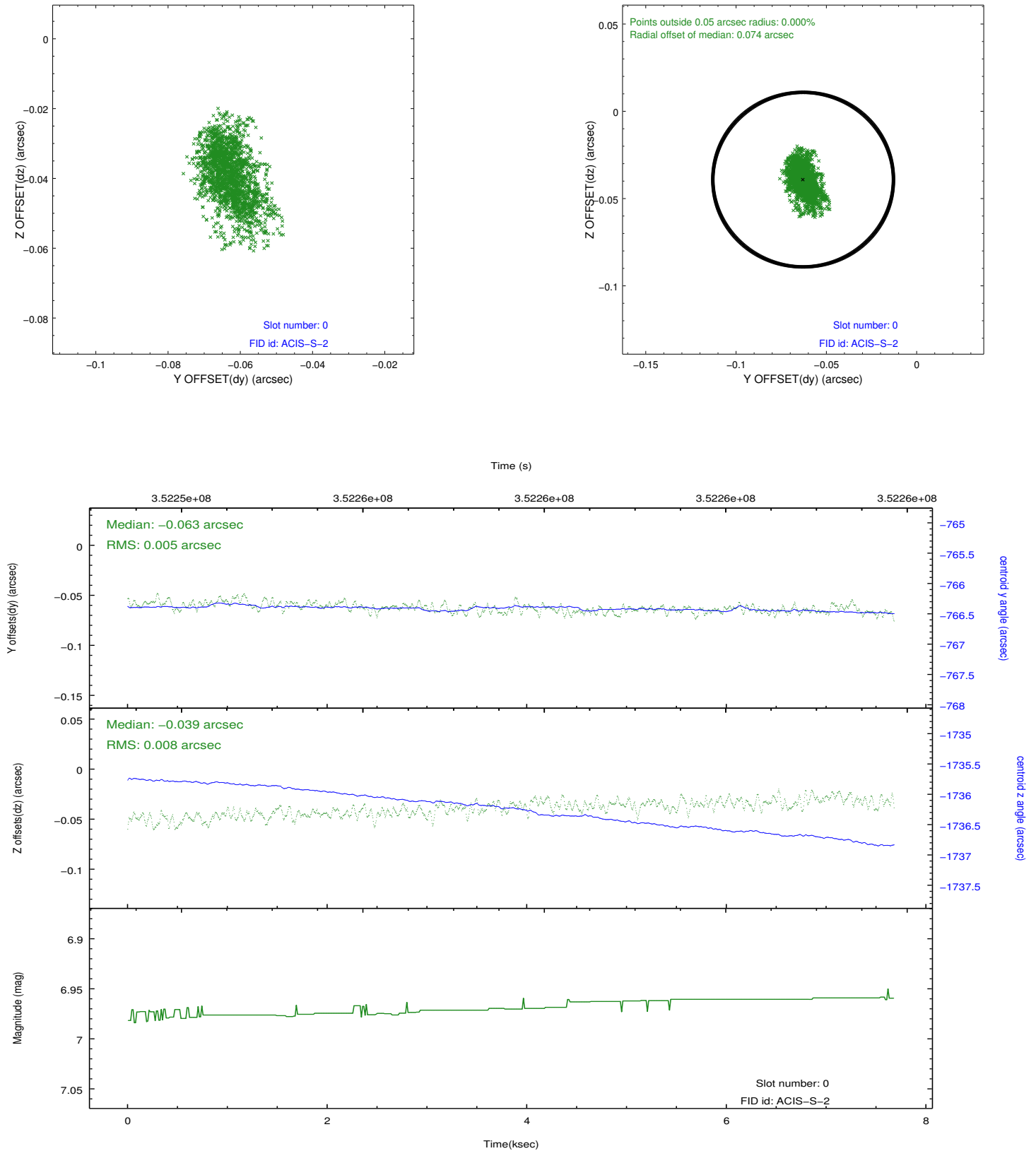


2.4.5 Slot 7

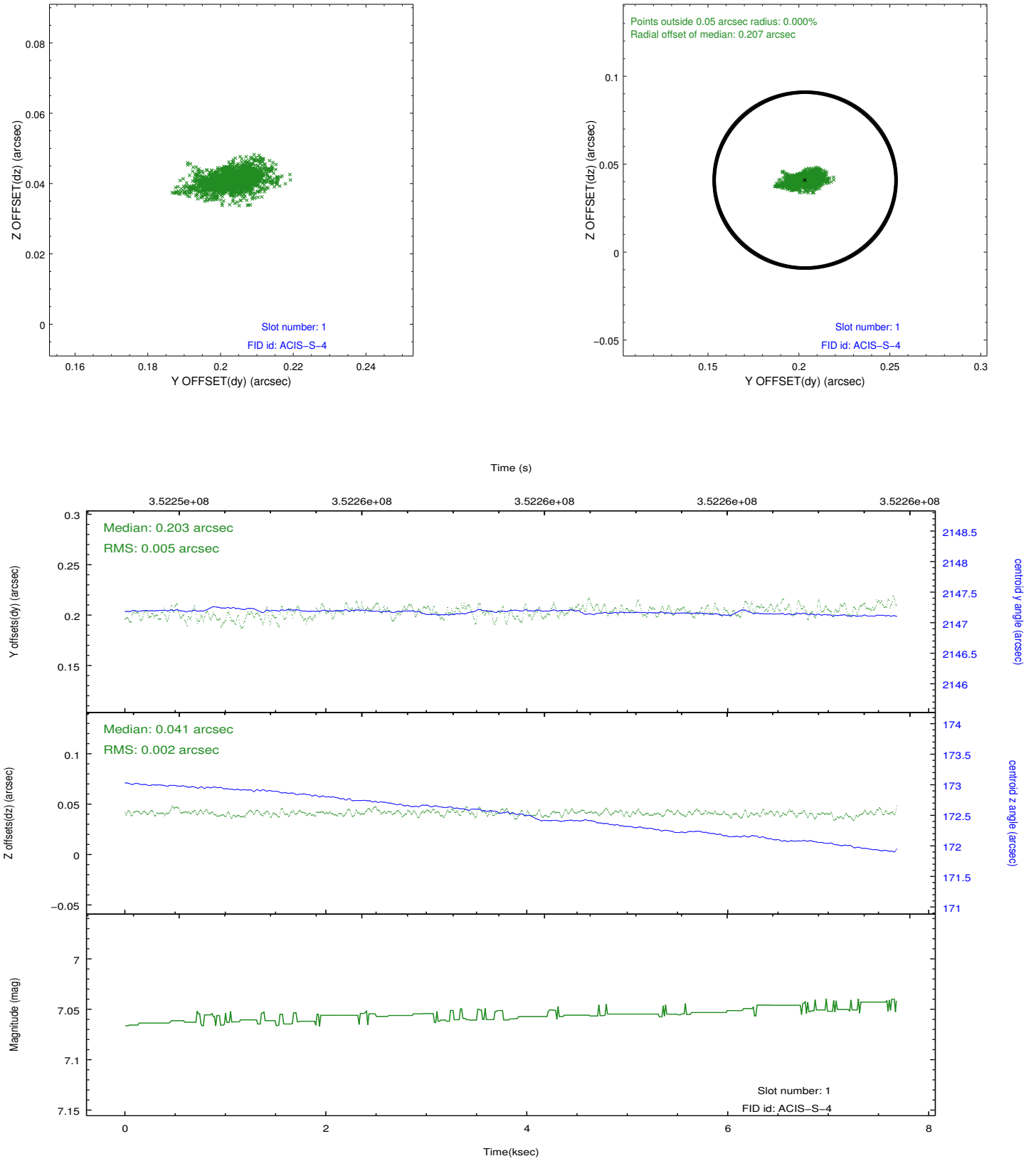


2.5 FID Slots

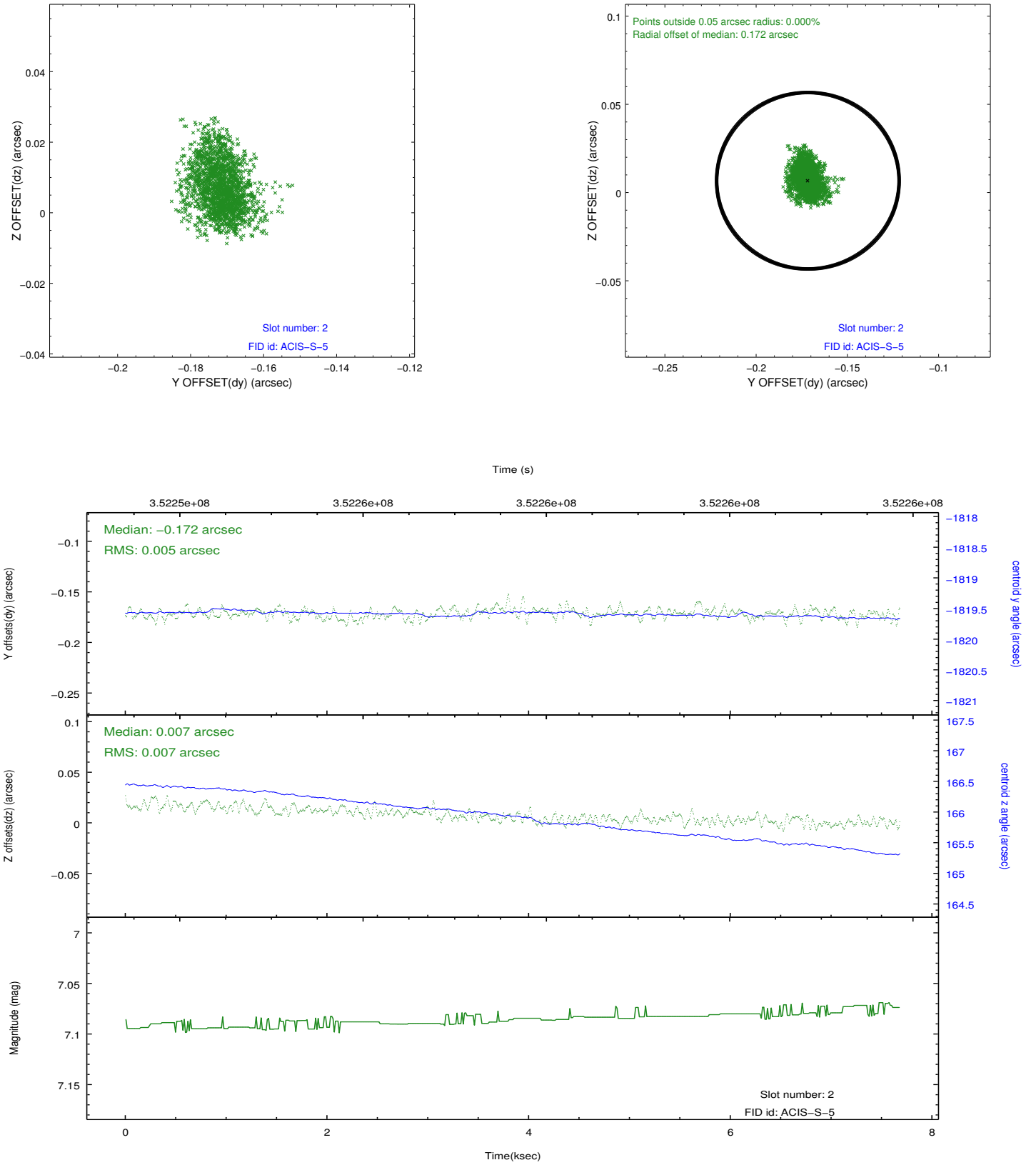
2.5.1 Slot 0



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	7.68240011

A.2 Comments

Window constraint met.