

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3490 - L2 Version 3
Chandra X-Ray Center

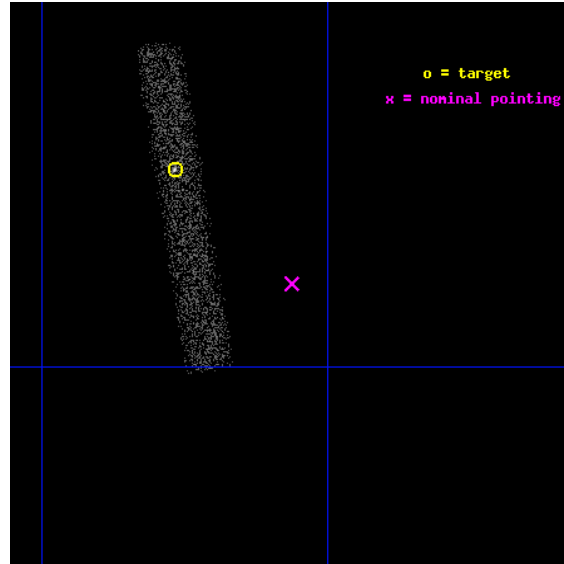
L2 Processing Date : Oct 13 2012

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1 Front

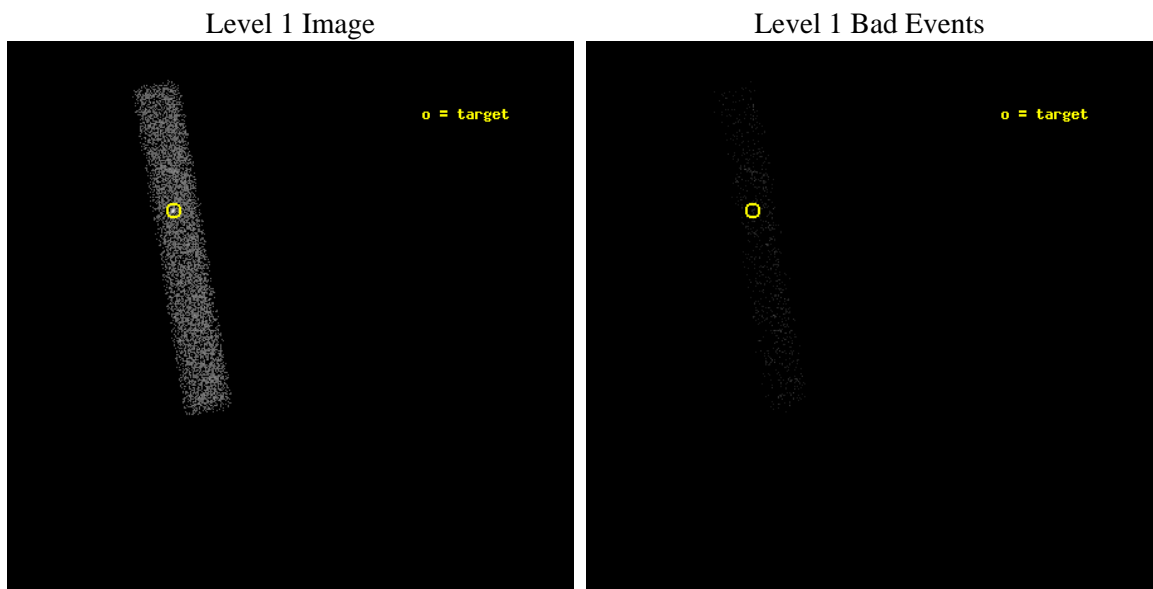
seq_num	400256	Sequence number
obs_id	3490	Observation id
title	VARIABLE THERMAL EMISSION AND FEATURE FROM AQL X-1 IN QUIESCENCE	P
observer	Prof. Robert Rutledge	Principal investigator
object	AQL X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.816667	Observer's specified target RA [deg]
dec_targ	0.585	Observer's specified target Dec [deg]
ra_nom	287.76573647194	Nominal RA [deg]
dec_nom	0.5357651954553	Nominal Dec [deg]
roll_nom	260.68228281269	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7648.0001139343	Sum of GTIs [s]
livetime	6936.3324087922	Livetime [s]
ontime7	7648.0001139343	Sum of GTIs [s]
l2events	4480	Number of level 2 events



2 OBI

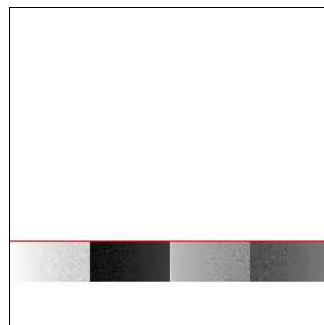
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7648.0001139343	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	7648.0001139343	Sum of GTIs [s]
date	2012-10-13T05:13:15	Date and time of file creation	l1events	9181	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

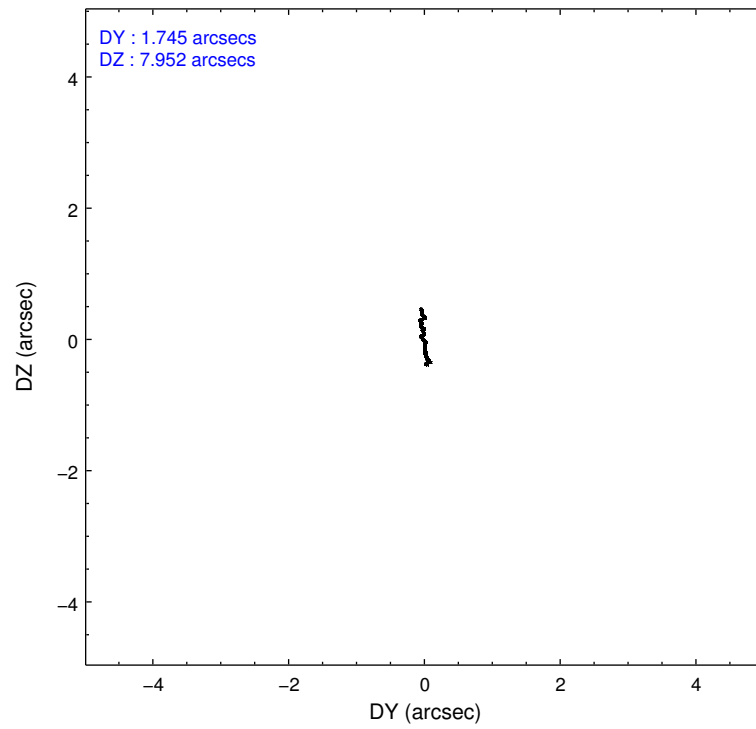
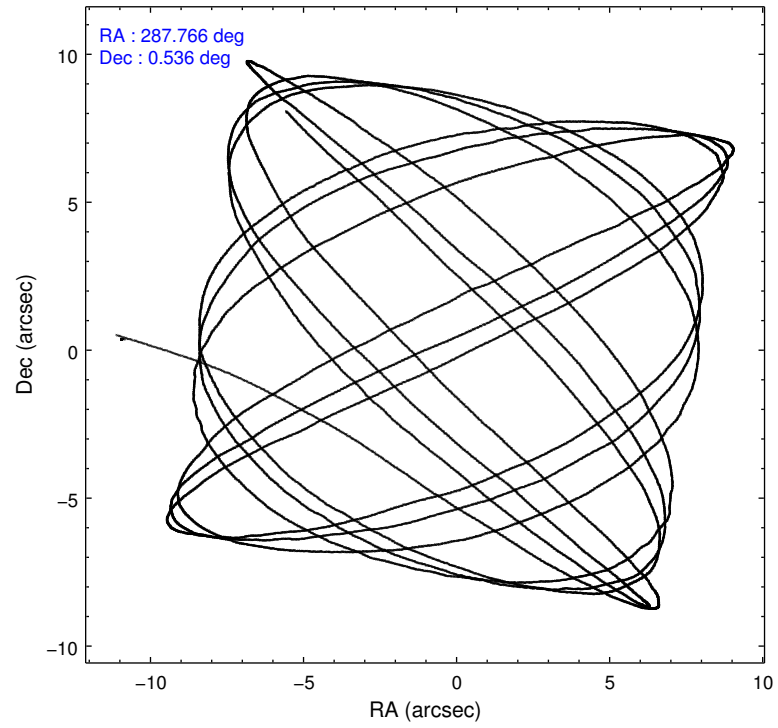
	ccd 7
level 1 events	9181
rejected events	4585
rejected %	49%

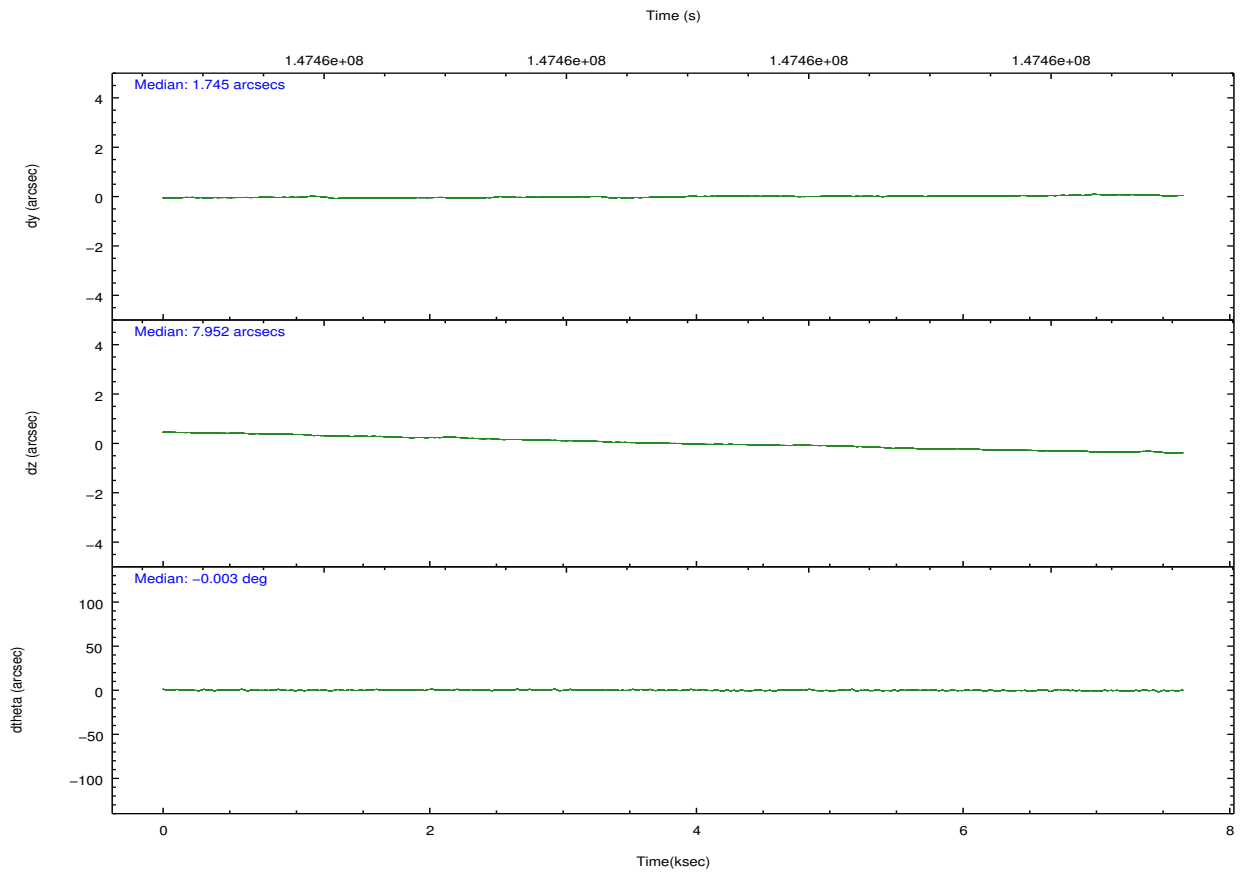
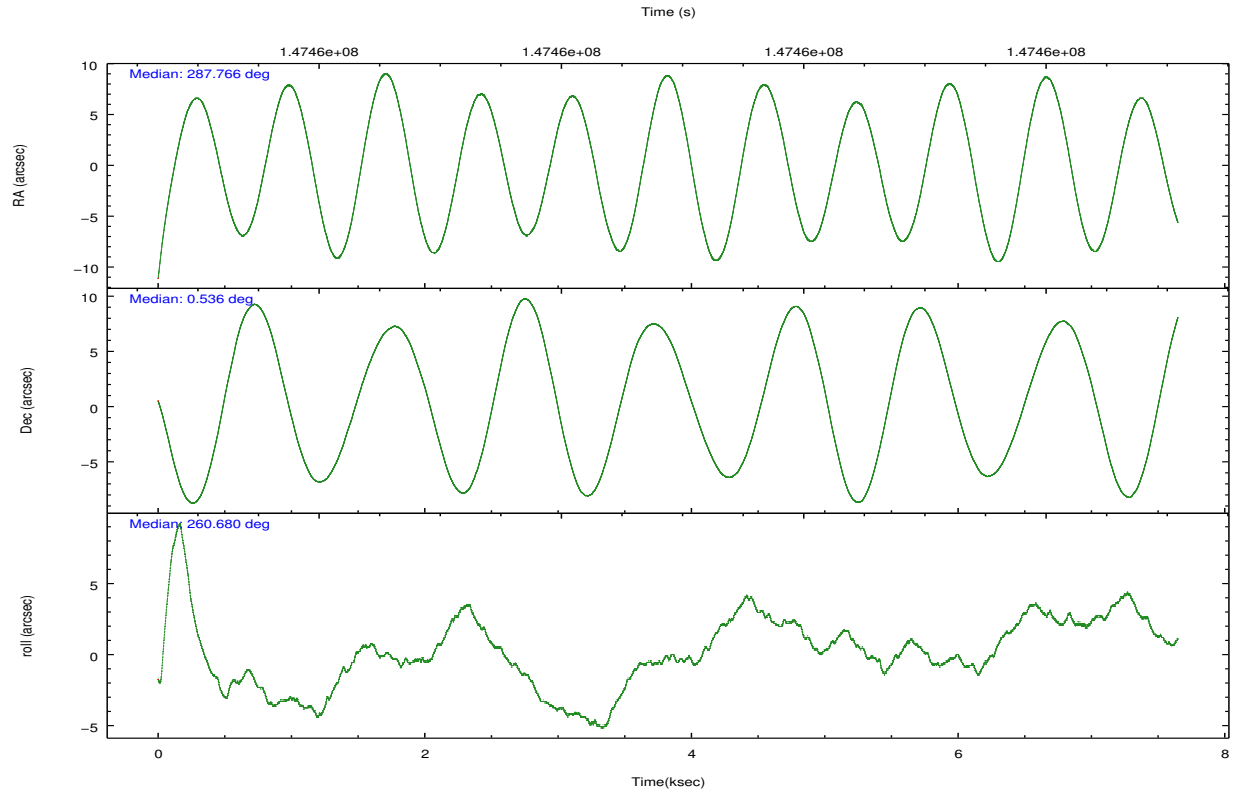
	ccd 7
grade 0 events	637
	6%
grade 1 events	7
	0%
grade 2 events	917
	9%
grade 3 events	602
	6%
grade 4 events	591
	6%
grade 5 events	721
	7%
grade 6 events	1957
	21%
grade 7 events	3749
	40%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	287.755750	287.7657364719443	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.561200	0.5357651954553019	Subarray start row	150	150
[deg] Pointing Roll	260.525752	260.6822828126869	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)	147457706.184000	147456515.11388			
Observation start date	2002-09-03T16:27:22	2002-09-03T16:08:35			
[s] Observation end time (MET)	147464706.184000	147465369.06425			
Observation end date	2002-09-03T18:24:02	2002-09-03T18:36:09			
Read mode	TIMED	TIMED			

2.3 Aspect



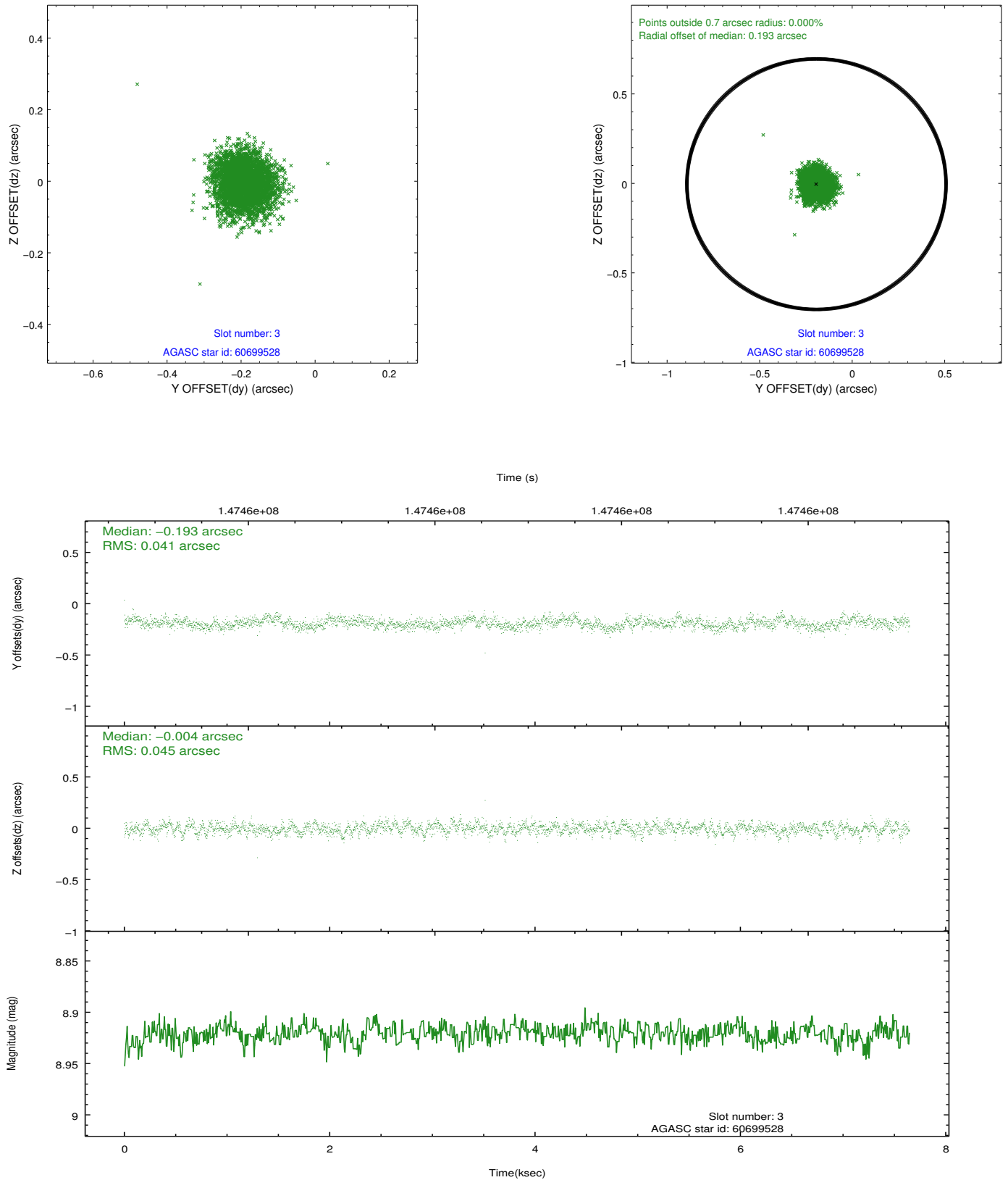


Slot Statistics

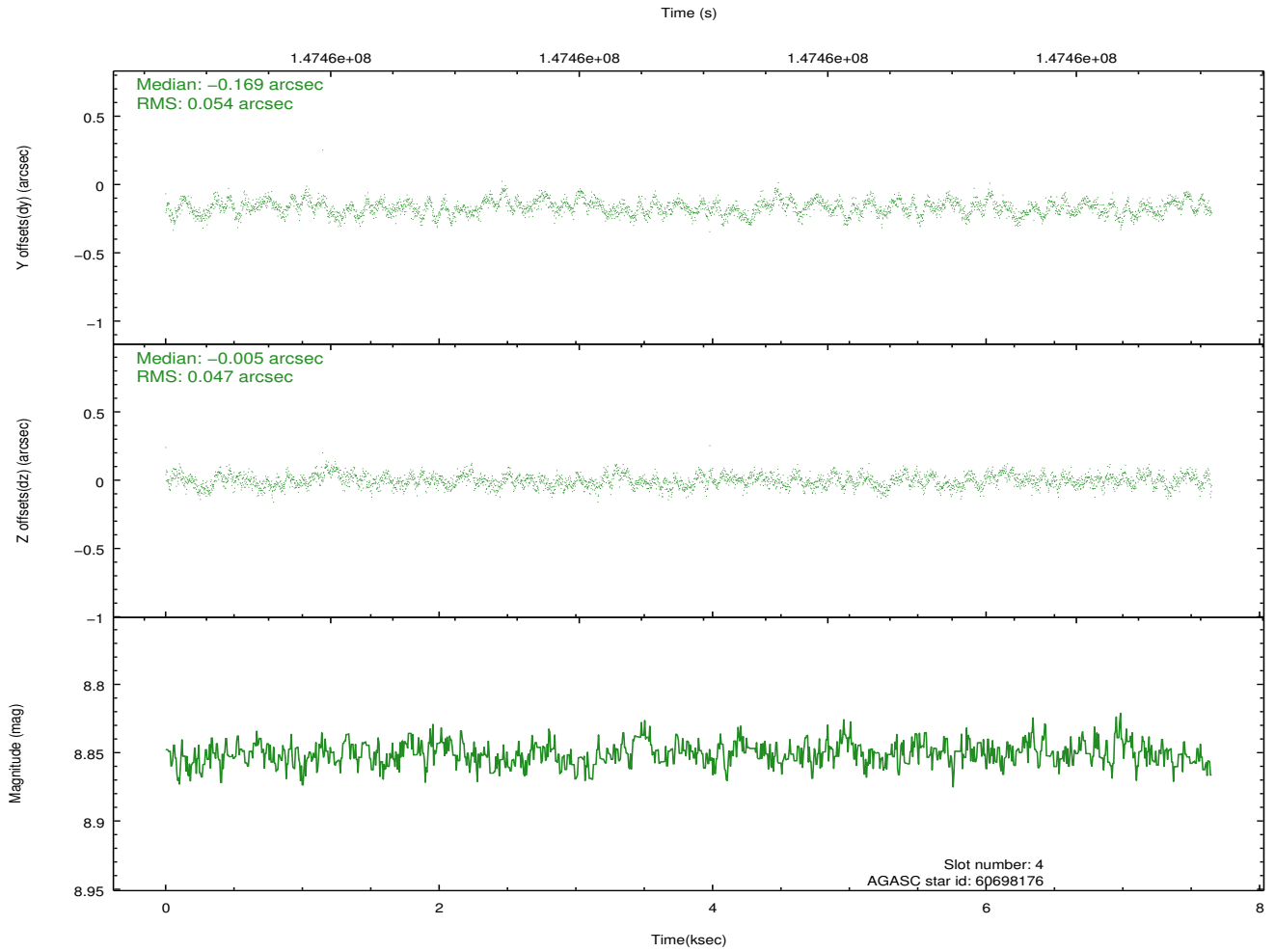
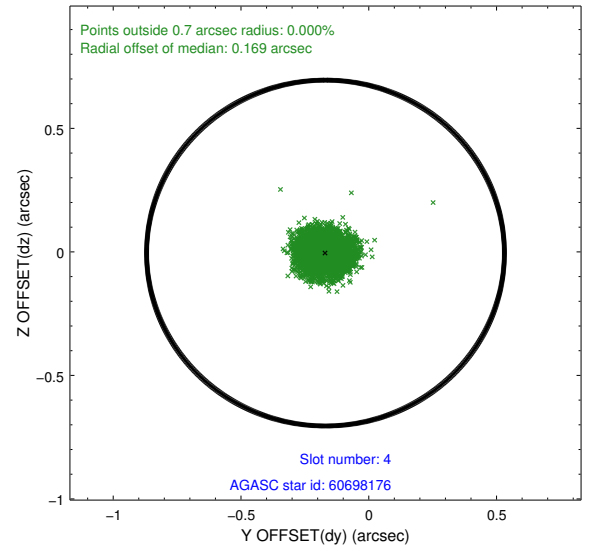
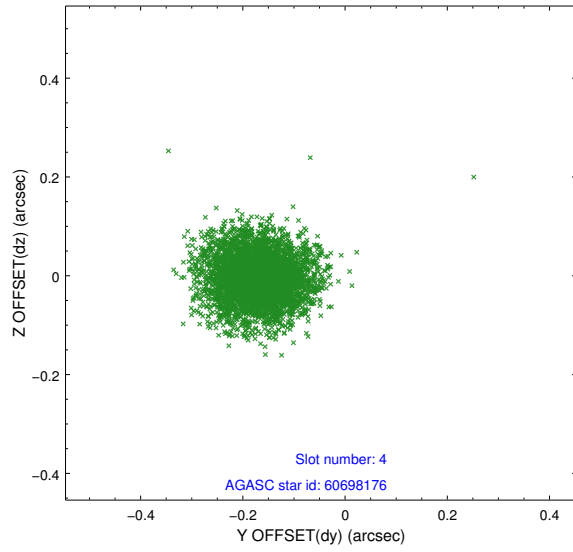
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1866	-0.028	-0.015	0.006	0.011	0.000000	0.000000	-754.39	-1729.17
1	FID	ACIS-S-4	7.20	1866	-0.008	0.017	0.007	0.012	0.000000	0.000000	2158.59	178.55
2	FID	ACIS-S-5	7.23	1866	0.005	0.006	0.007	0.012	0.000000	0.000000	-1806.23	173.09
3	GUIDE	60699528	8.92	3732	-0.193	-0.004	0.064	0.104	287.344521	1.231468	-2136.51	-1857.04
4	GUIDE	60698176	8.85	3729	-0.169	-0.005	0.076	0.121	287.425571	1.234708	-2196.18	-1571.69
5	GUIDE	60705928	9.02	3730	0.035	0.015	0.069	0.114	287.833535	0.715711	-595.14	184.43
6	GUIDE	60710592	9.39	3730	0.185	-0.091	0.119	0.183	287.035703	0.265770	1475.97	-2381.52
7	GUIDE	672281216	9.32	3731	0.142	0.087	0.099	0.161	287.454836	-0.067927	2413.00	-696.00

2.4 Star Slots

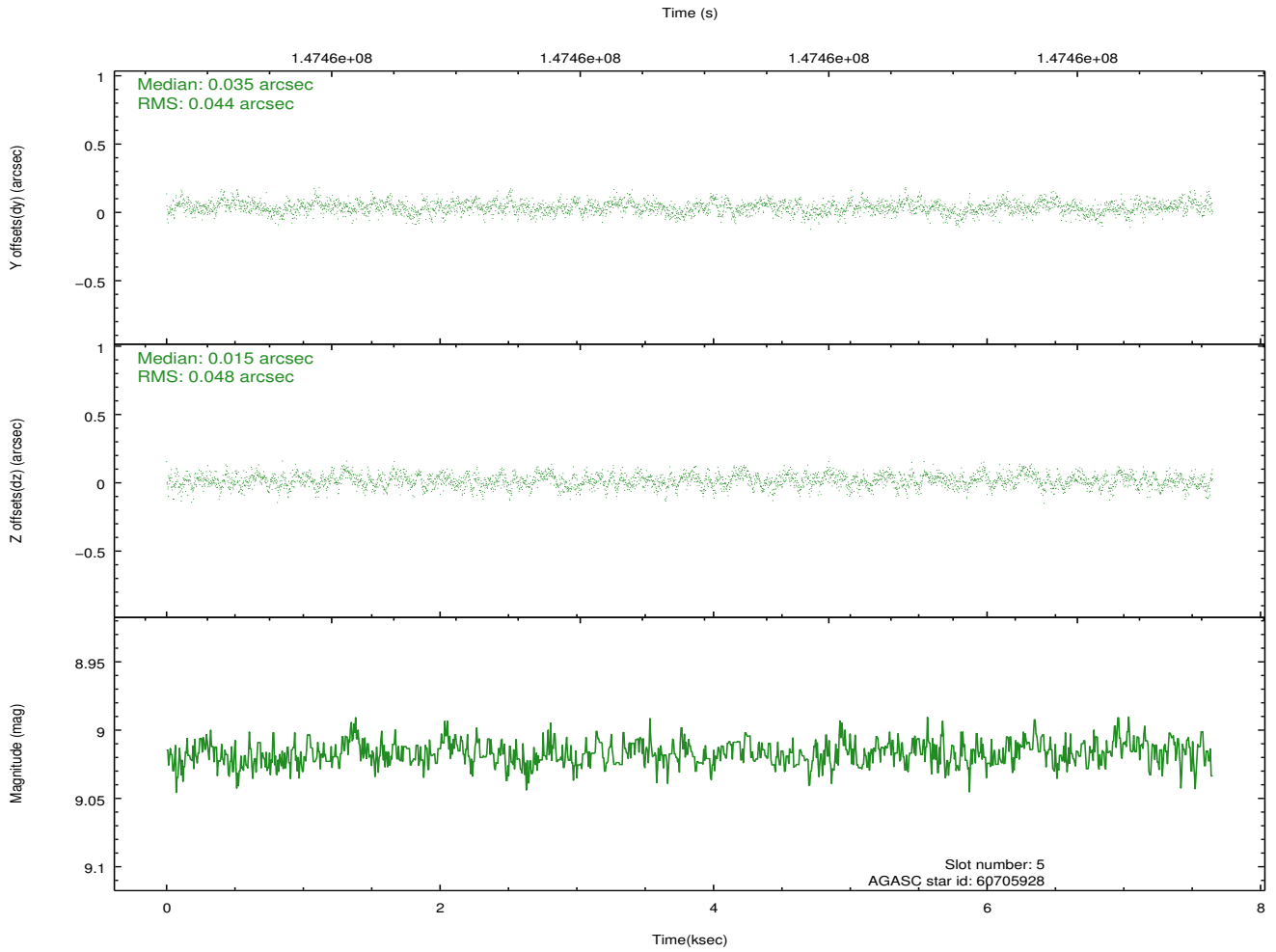
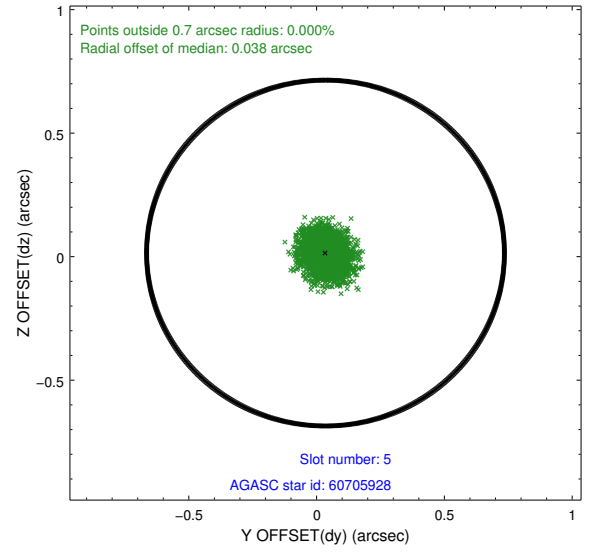
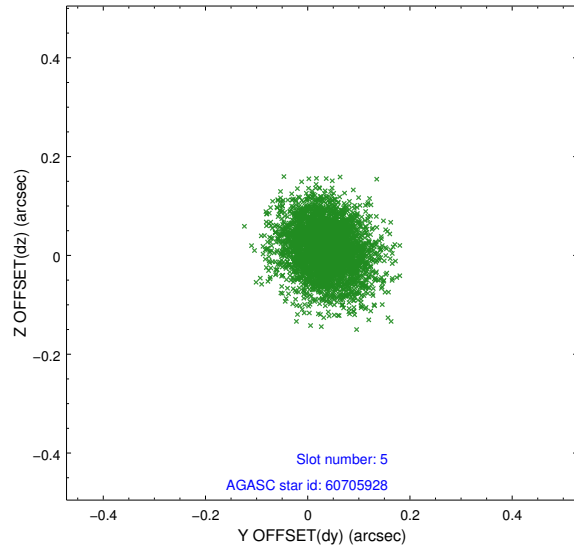
2.4.1 Slot 3



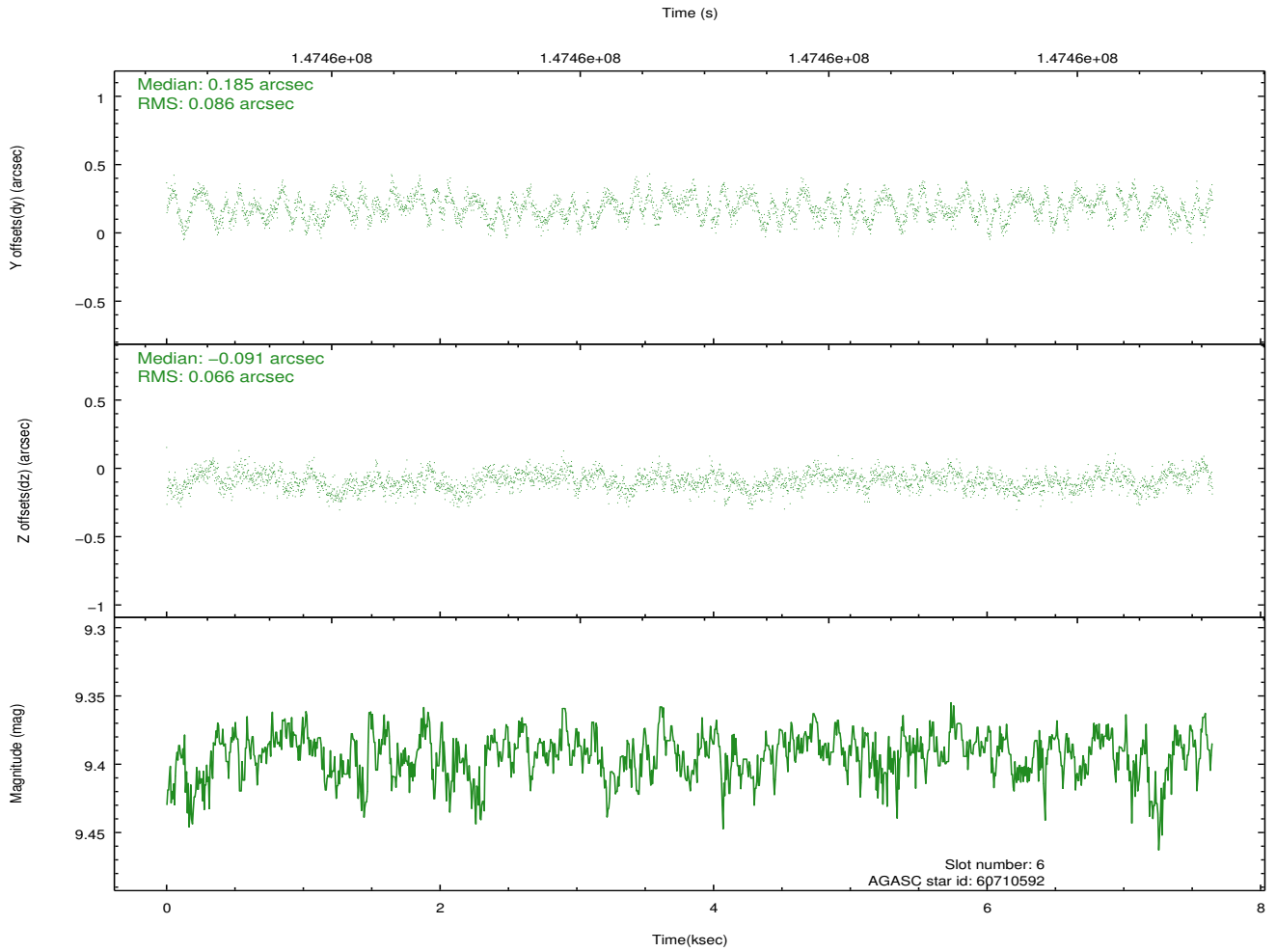
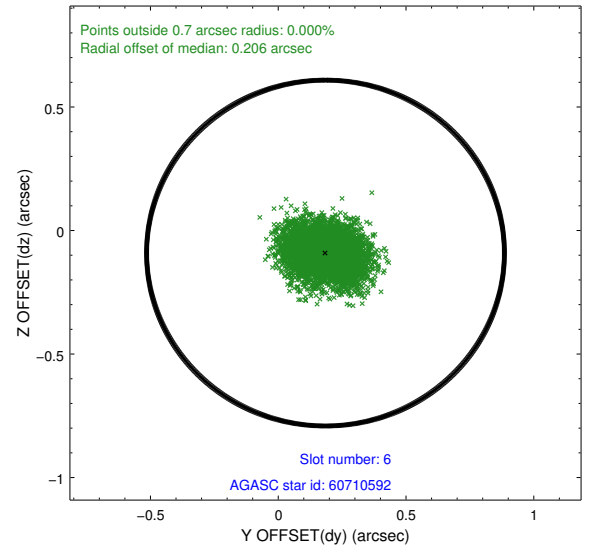
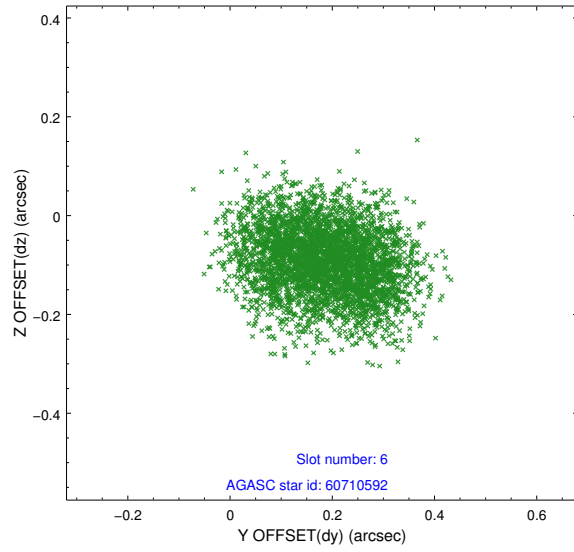
2.4.2 Slot 4



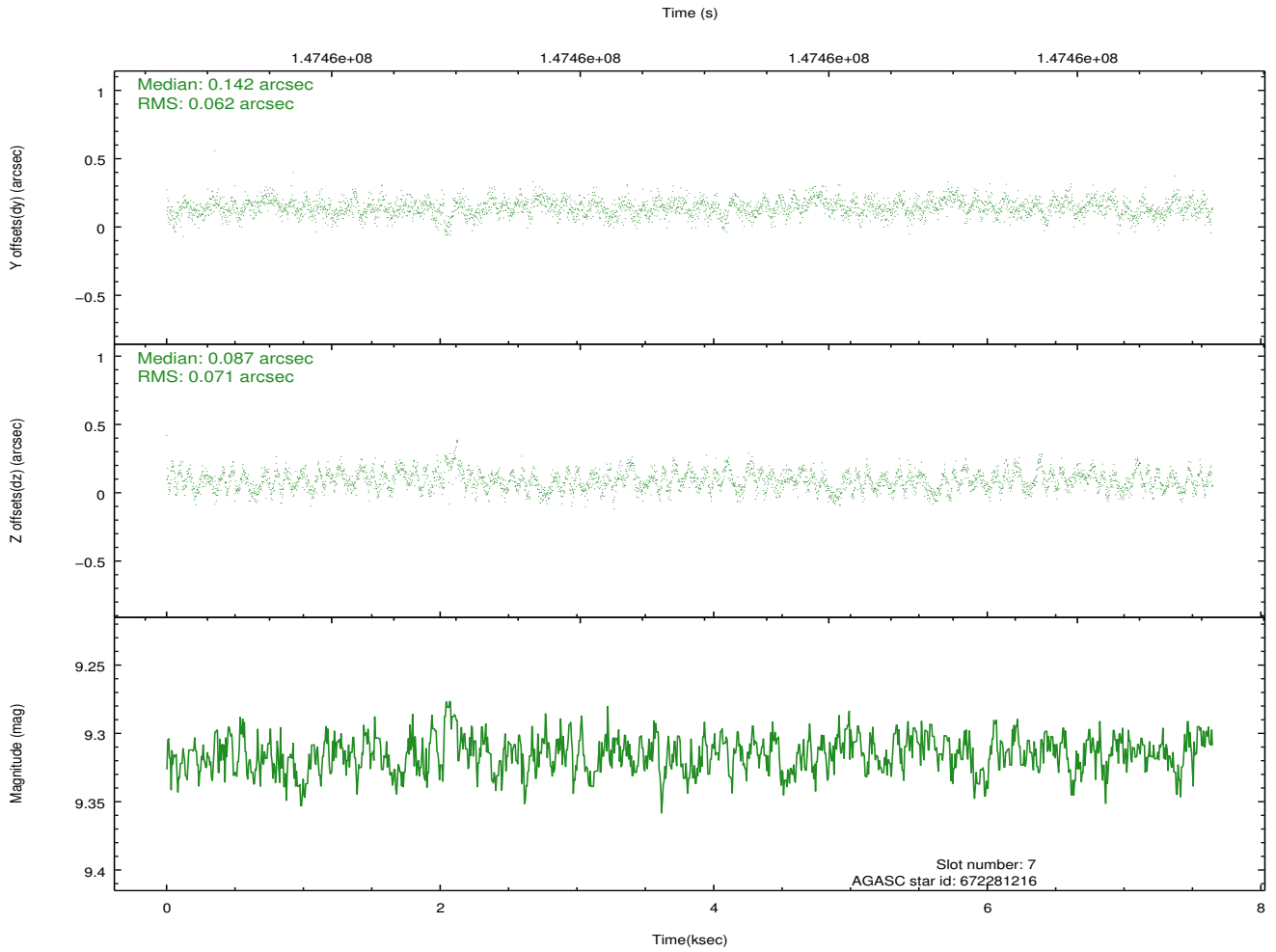
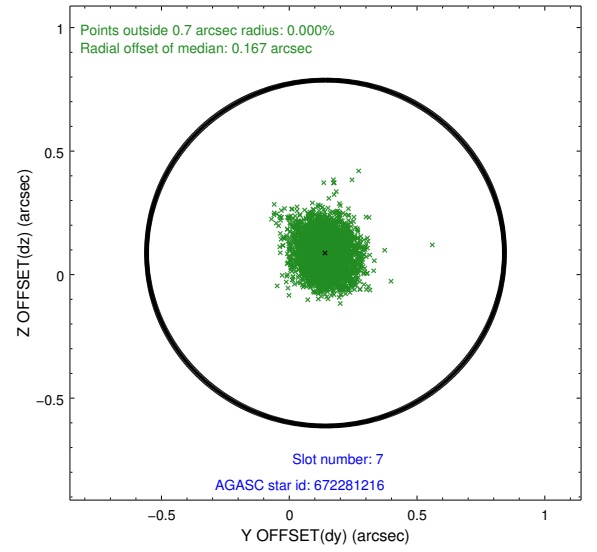
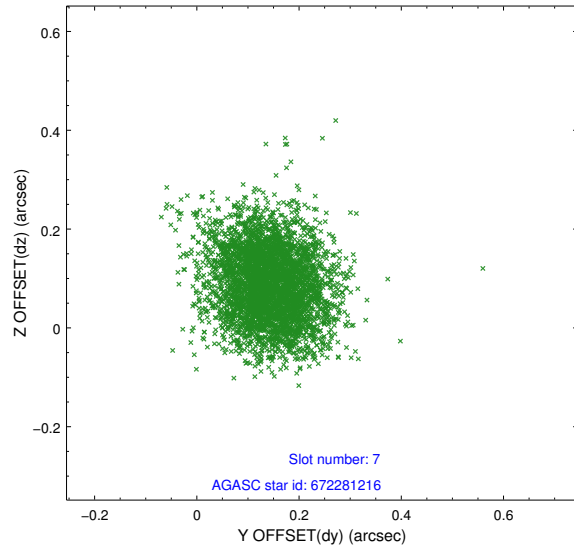
2.4.3 Slot 5



2.4.4 Slot 6

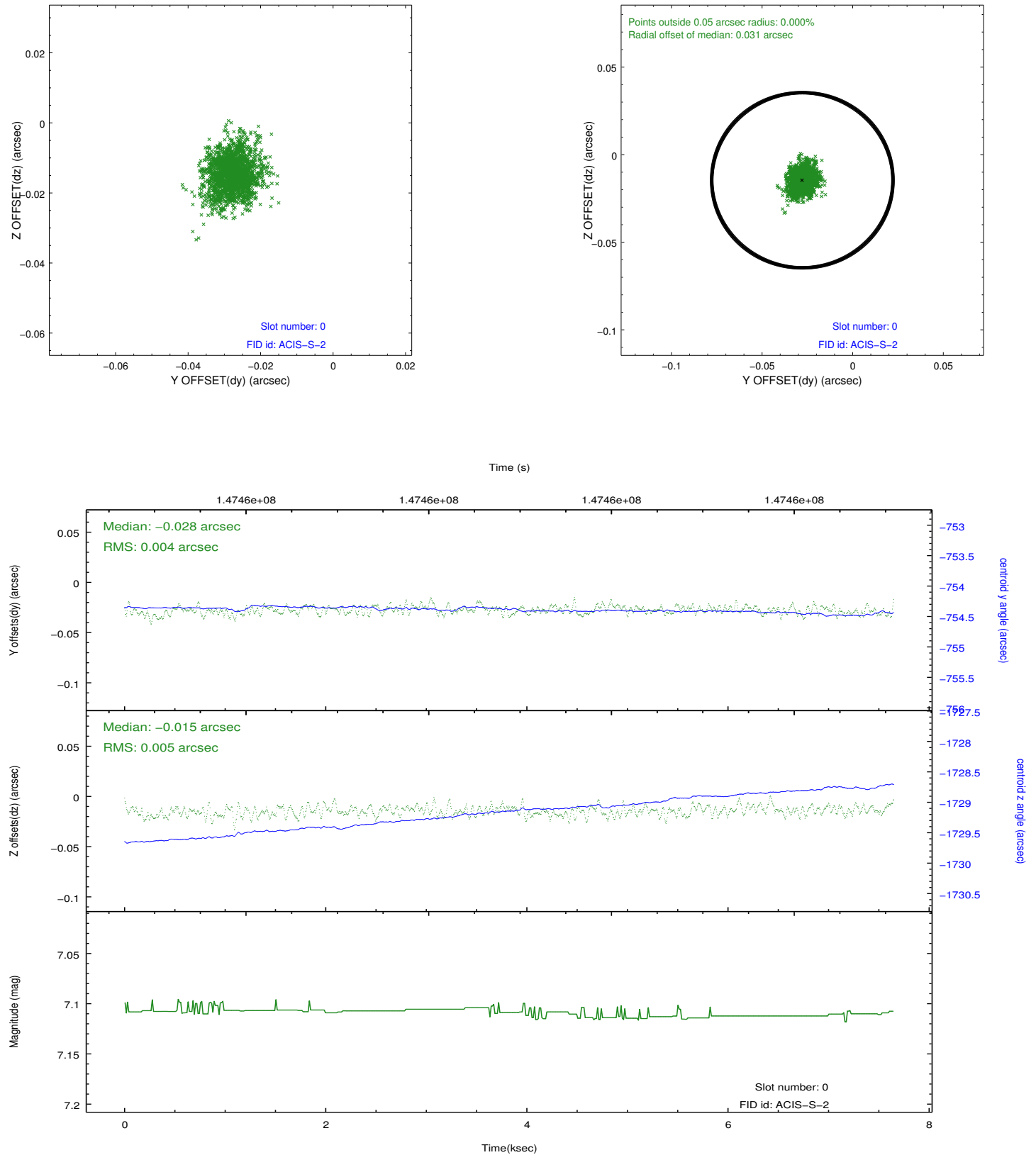


2.4.5 Slot 7

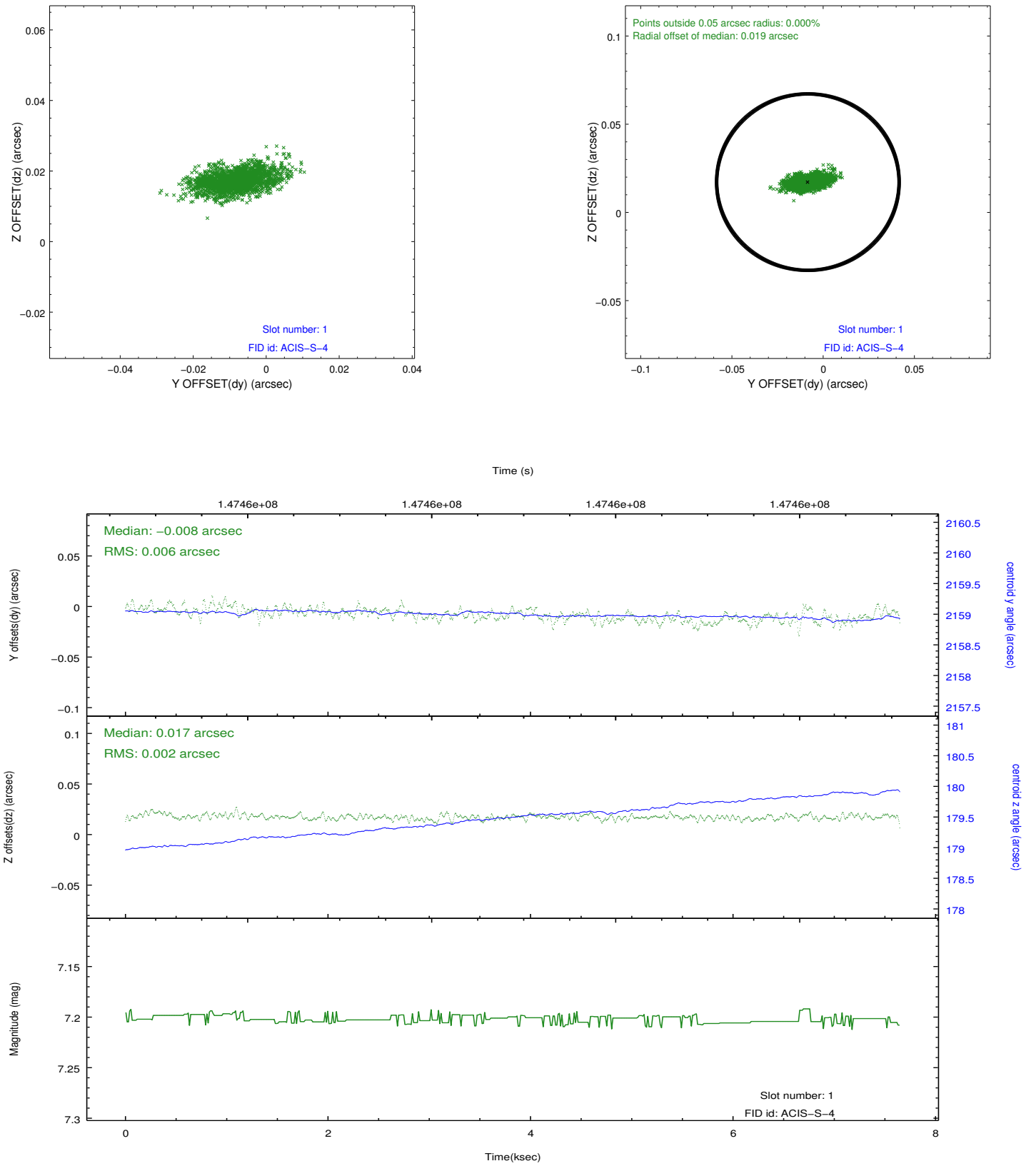


2.5 FID Slots

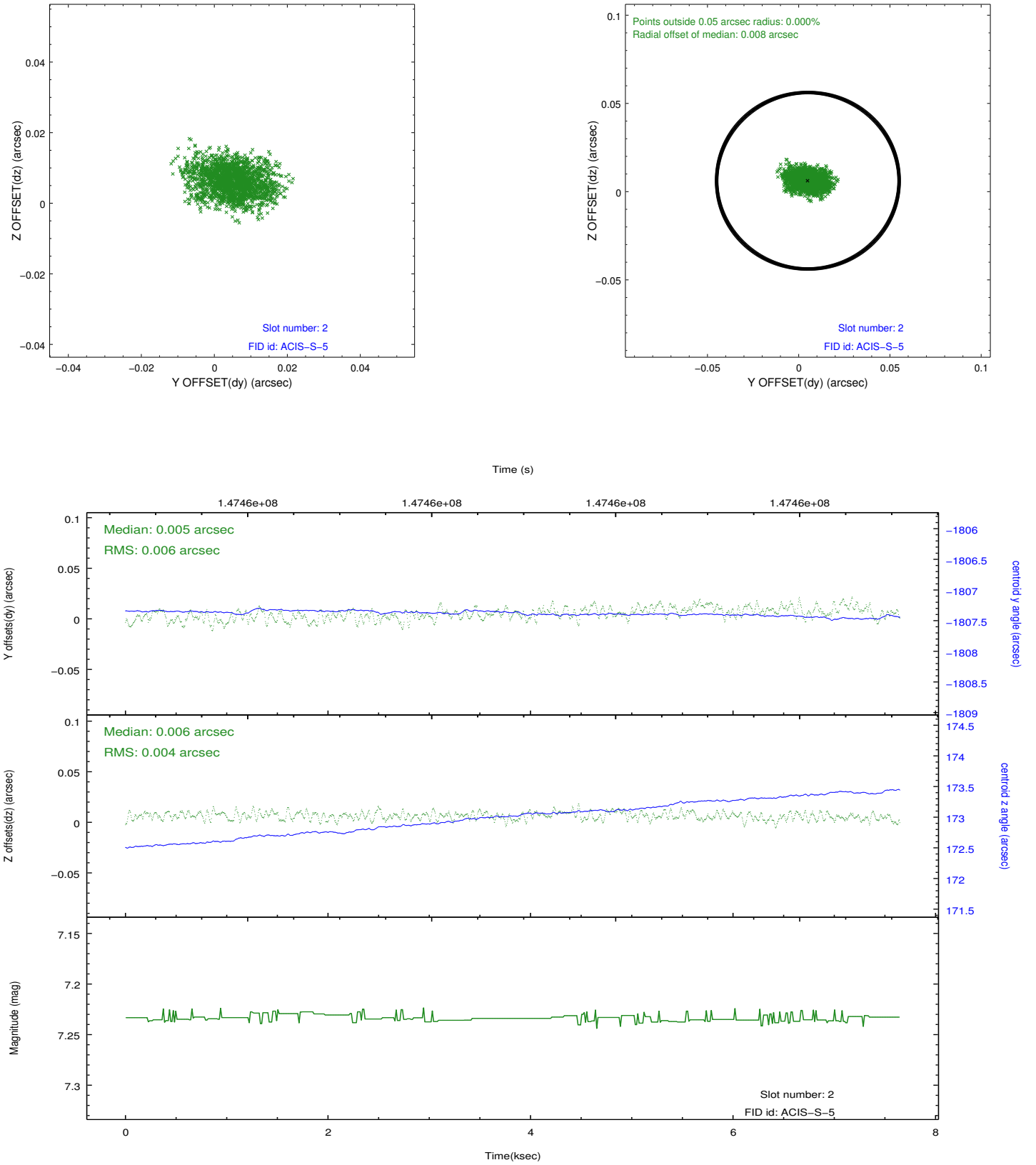
2.5.1 Slot 0



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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.648

A.2 Comments

Monitor constraint met.