

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3489 - L2 Version 3
Chandra X-Ray Center

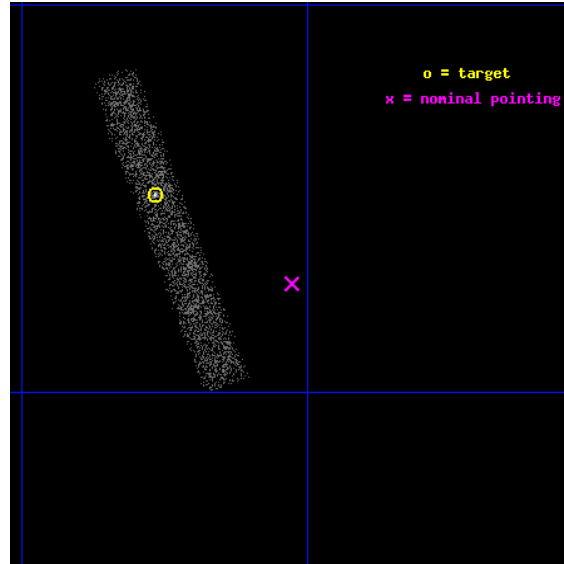
L2 Processing Date : Oct 13 2012

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1 Front

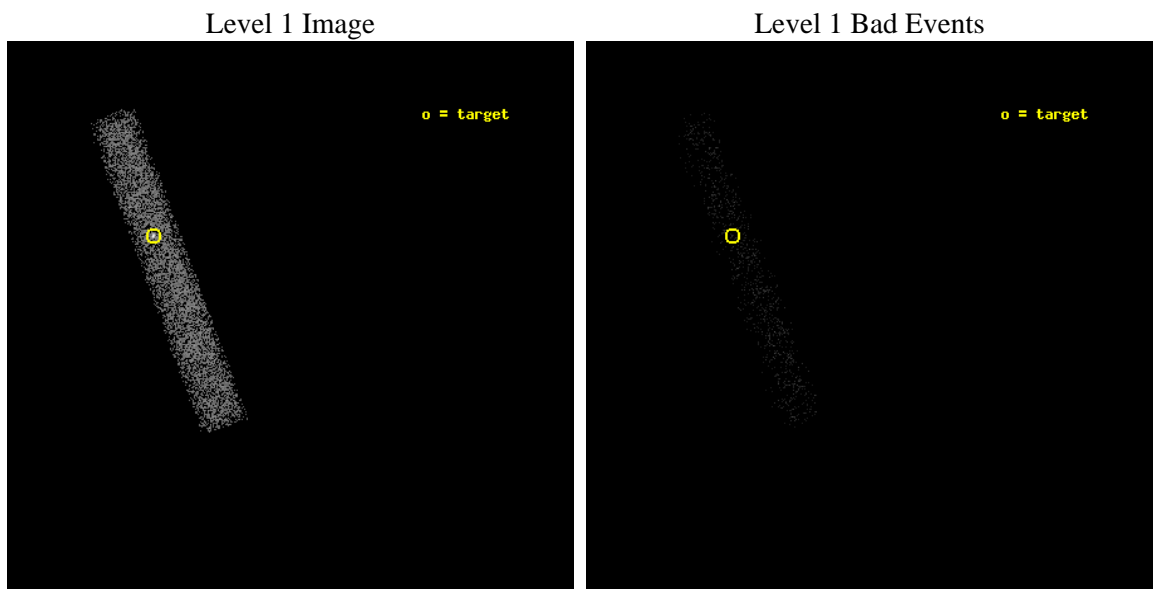
seq_num	400255	Sequence number
obs_id	3489	Observation id
title	VARIABLE THERMAL EMISSION AND FEATURE FROM AQL X-1 IN QUIESCENCE	P
observer	Prof. Robert Rutledge	Principal investigator
object	AQL X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.816667	Observer's specified target RA [deg]
dec_targ	0.585	Observer's specified target Dec [deg]
ra_nom	287.7571433352	Nominal RA [deg]
dec_nom	0.54662206315938	Nominal Dec [deg]
roll_nom	249.55450523928	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7858.4001170695	Sum of GTIs [s]
livetime	7127.1541058131	Livetime [s]
ontime7	7858.4001170695	Sum of GTIs [s]
l2events	4895	Number of level 2 events



2 OBI

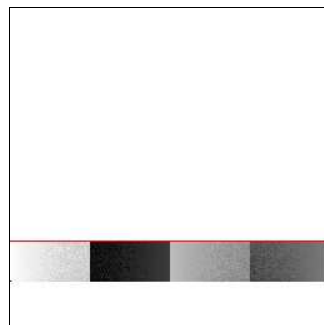
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7858.4001170695	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	7858.4001170695	Sum of GTIs [s]
date	2012-10-14T00:29:25	Date and time of file creation	l1events	9951	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

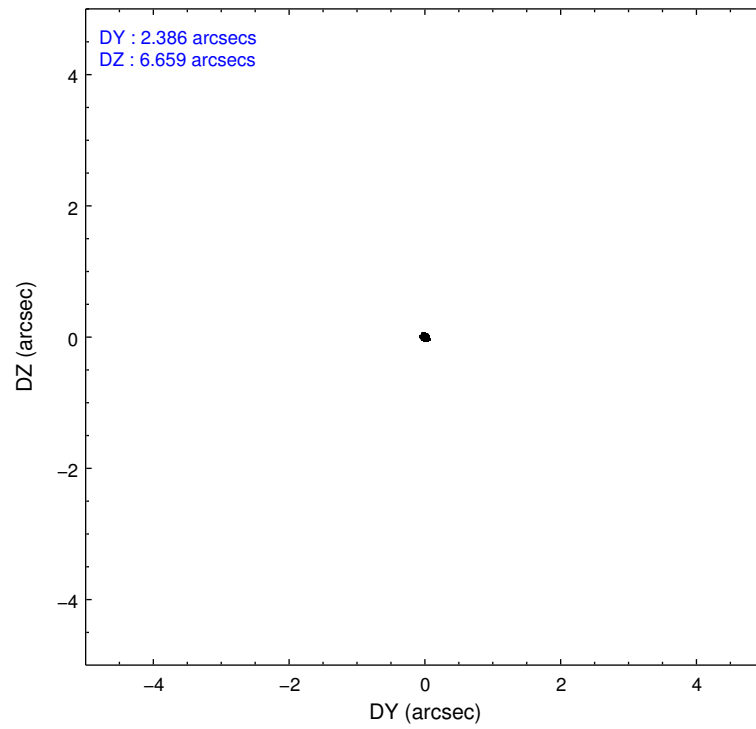
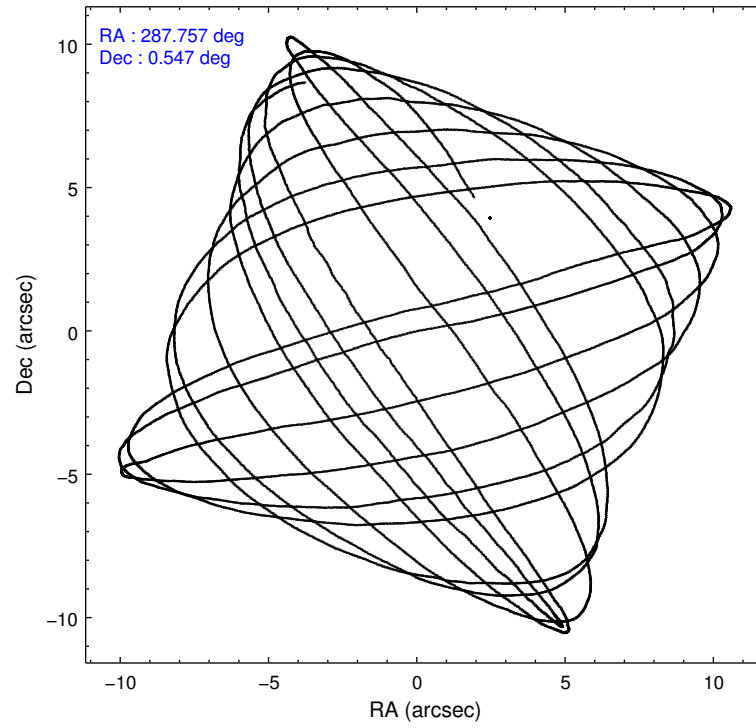
	ccd 7
level 1 events	9951
rejected events	4929
rejected %	49%

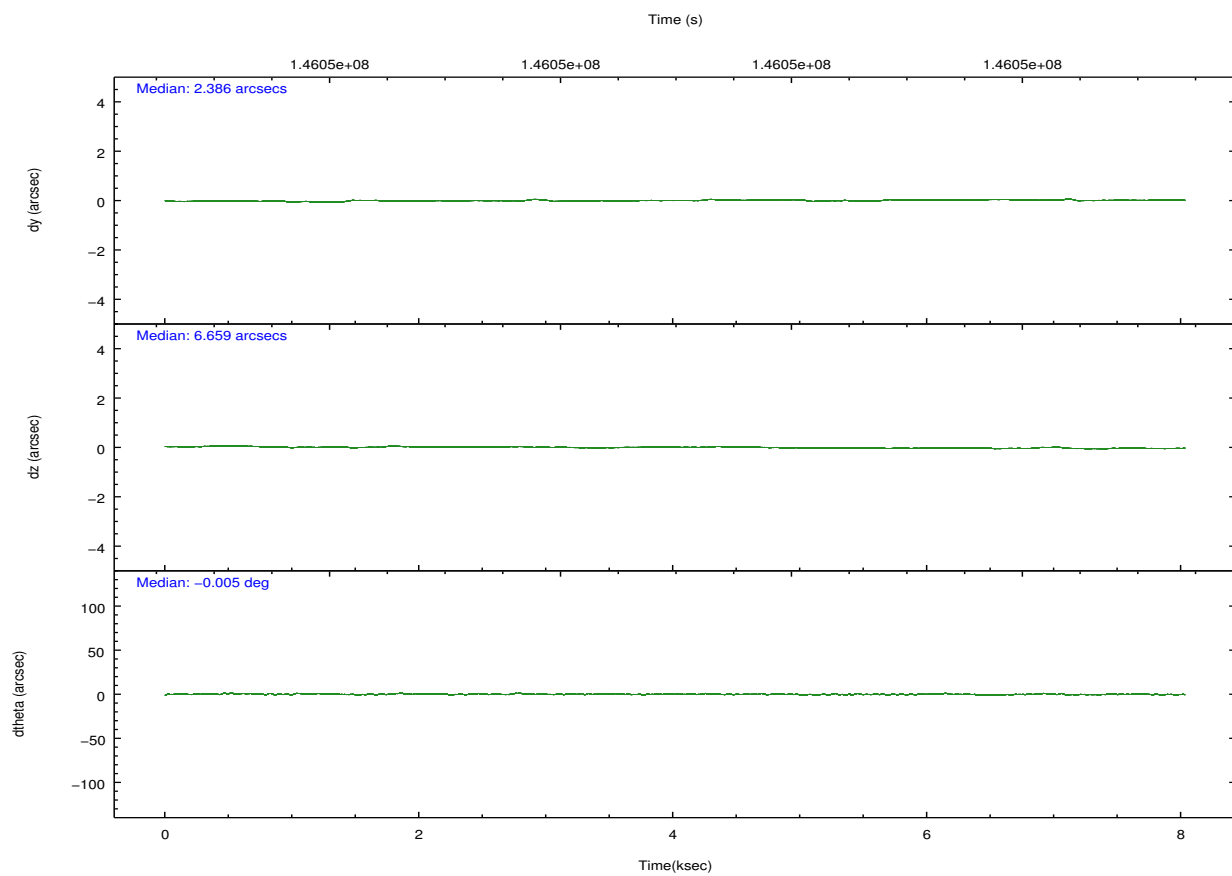
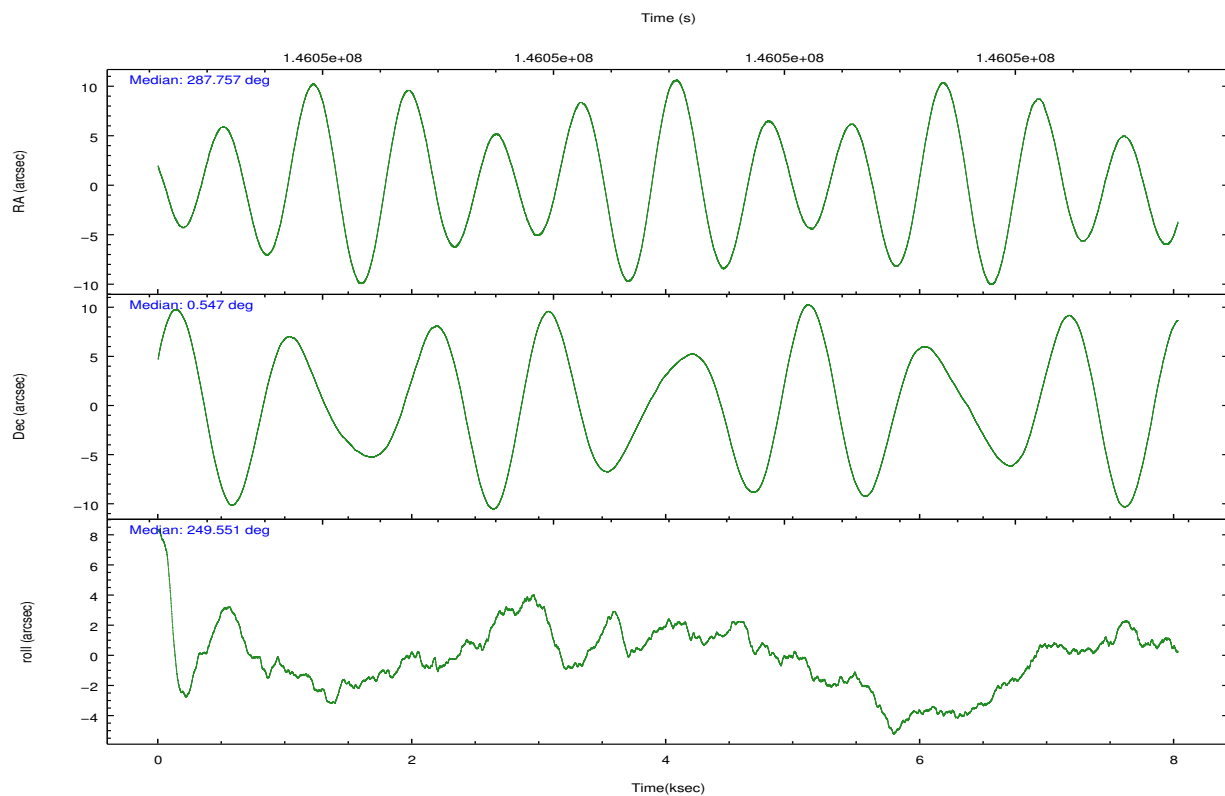
	ccd 7
grade 0 events	614
	6%
grade 1 events	7
	0%
grade 2 events	960
	9%
grade 3 events	622
	6%
grade 4 events	612
	6%
grade 5 events	782
	7%
grade 6 events	2214
	22%
grade 7 events	4140
	41%

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	287.752298	287.7571433351962	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.573405	0.5466220631593832	Subarray start row	150	150
[deg] Pointing Roll	249.397920	249.554505239282	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)	146046010.184000	146044628.80564			
Observation start date	2002-08-18T08:19:06	2002-08-18T07:57:08			
[s] Observation end time (MET)	146053010.184000	146053762.06852			
Observation end date	2002-08-18T10:15:46	2002-08-18T10:29:22			
Read mode	TIMED	TIMED			

2.3 Aspect



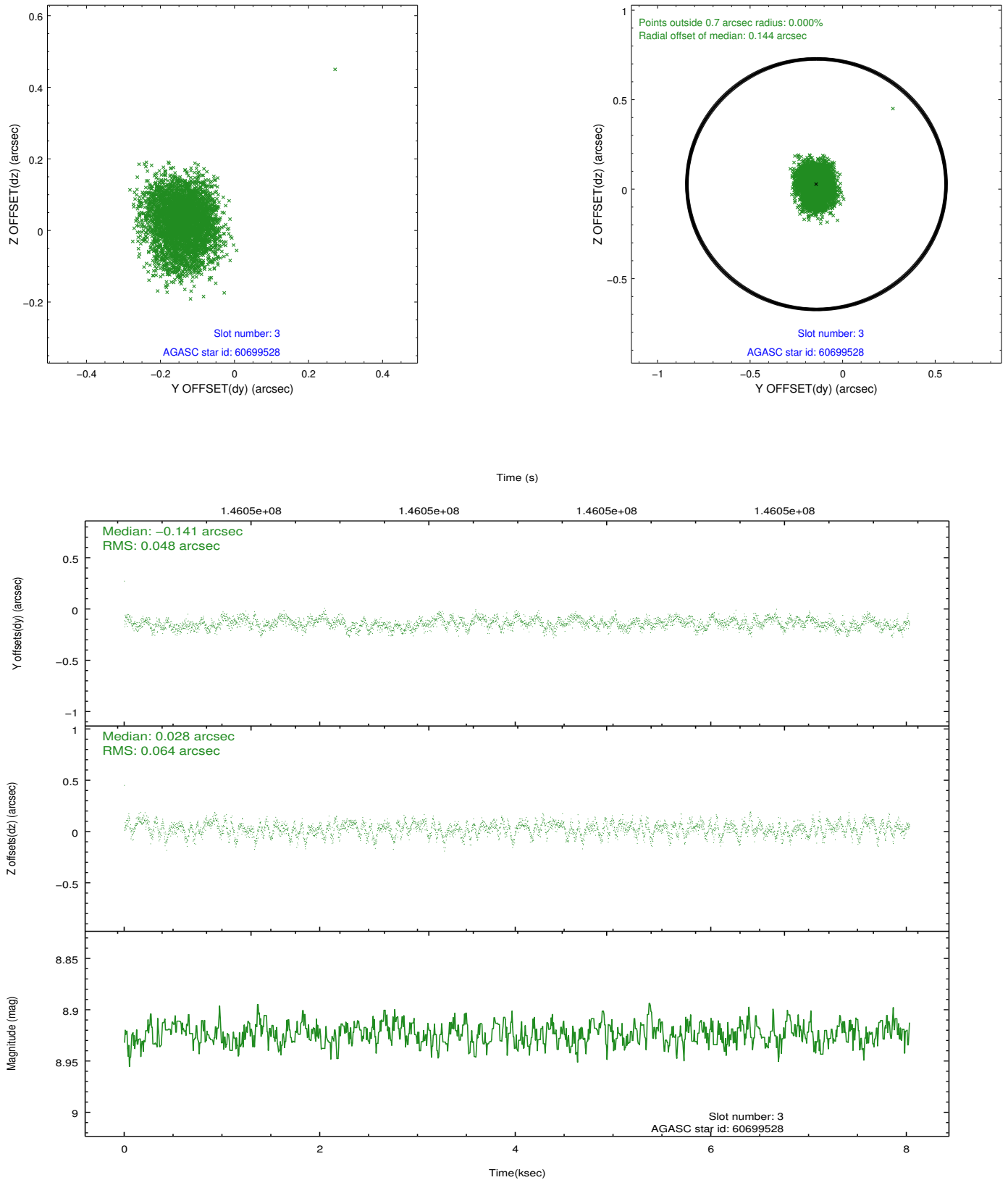


Slot Statistics

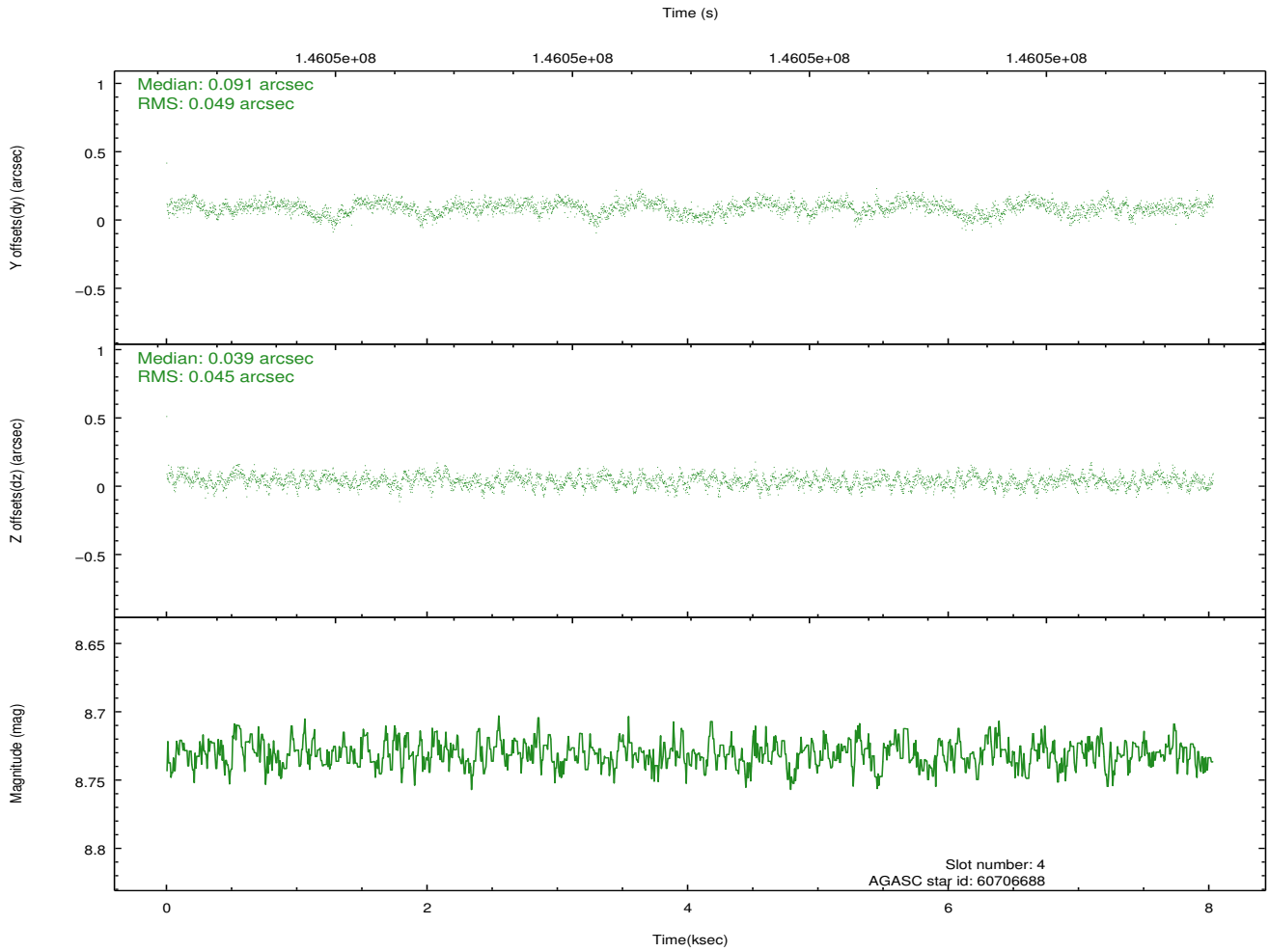
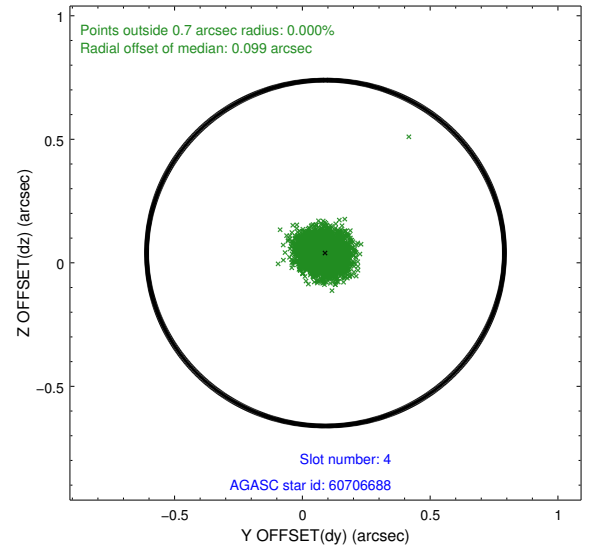
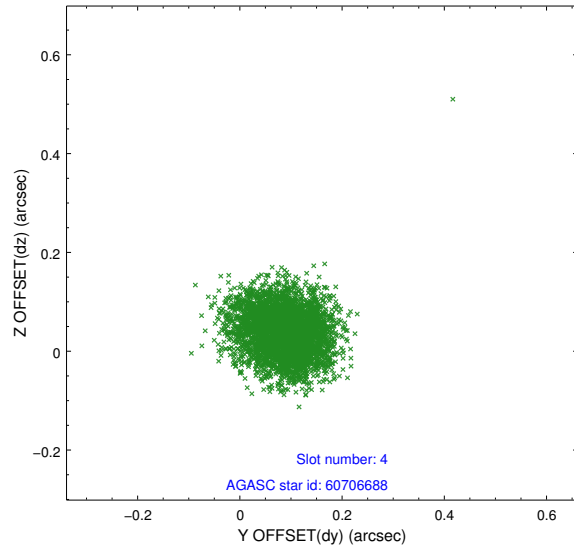
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1959	-0.032	0.009	0.007	0.012	0.000000	0.000000	-755.02	-1727.81
1	FID	ACIS-S-4	7.20	1958	-0.026	0.013	0.005	0.010	0.000000	0.000000	2157.92	179.98
2	FID	ACIS-S-5	7.24	1960	0.026	-0.013	0.006	0.010	0.000000	0.000000	-1806.93	174.39
3	GUIDE	60699528	8.92	3918	-0.141	0.028	0.086	0.137	287.344521	1.231468	-1701.13	-2207.80
4	GUIDE	60706688	8.73	3918	0.091	0.039	0.070	0.113	287.637938	0.689635	-247.05	-533.32
5	GUIDE	60698176	8.85	3917	-0.116	-0.047	0.081	0.128	287.425571	1.234708	-1814.35	-1938.97
6	GUIDE	60705928	9.01	3914	0.004	-0.063	0.077	0.123	287.833535	0.715711	-582.82	92.65
7	GUIDE	60710592	9.41	3909	0.164	0.045	0.092	0.155	287.035703	0.265770	1944.60	-2025.13

2.4 Star Slots

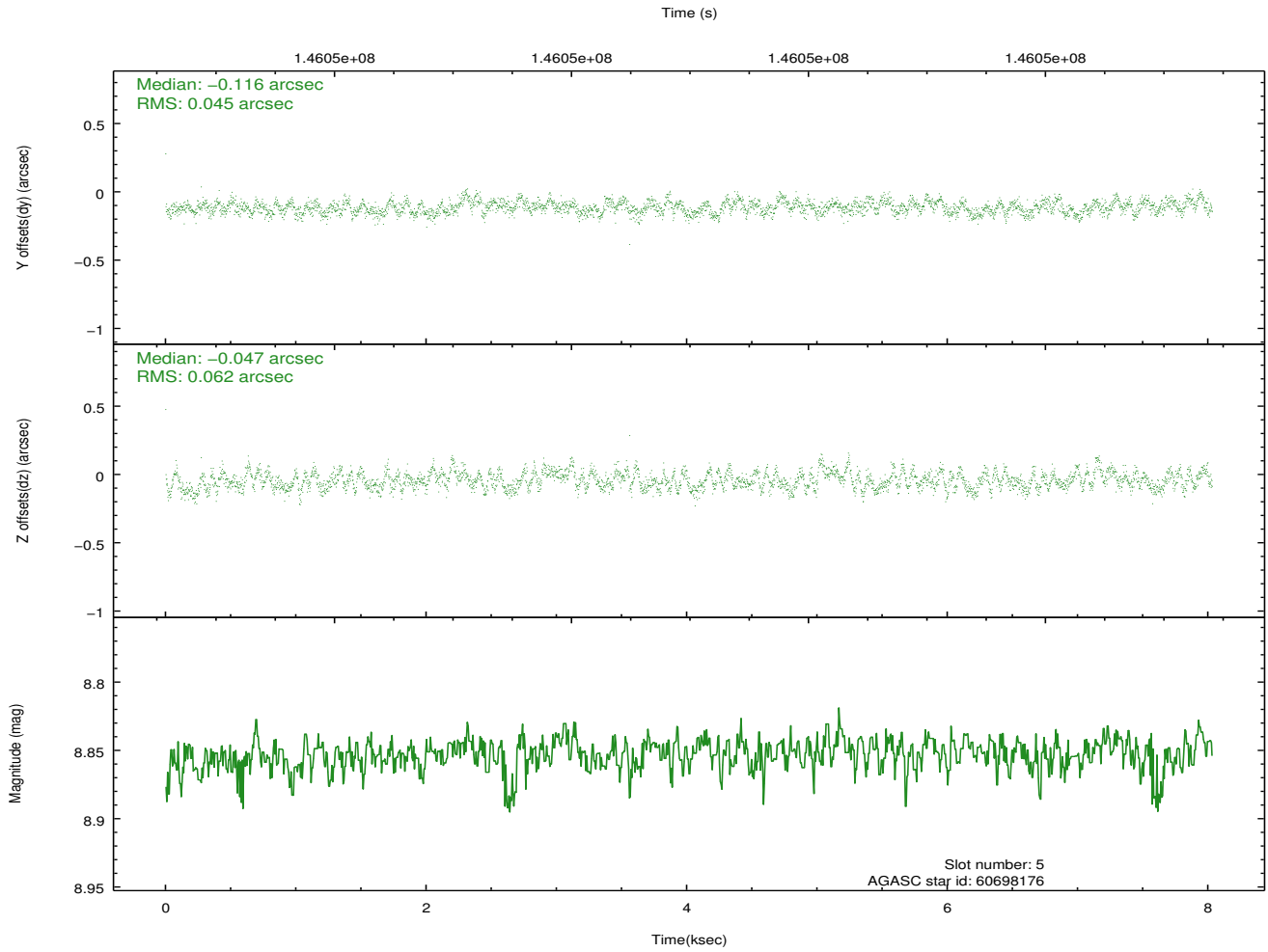
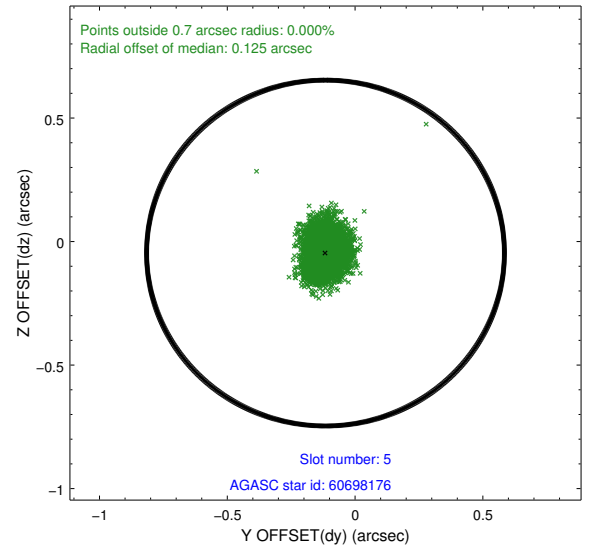
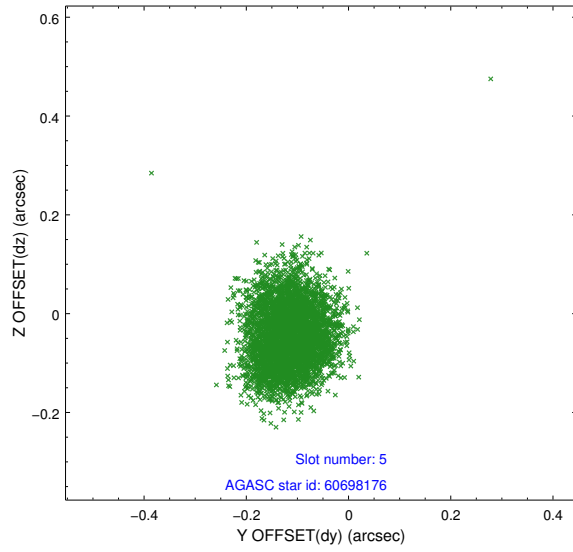
2.4.1 Slot 3



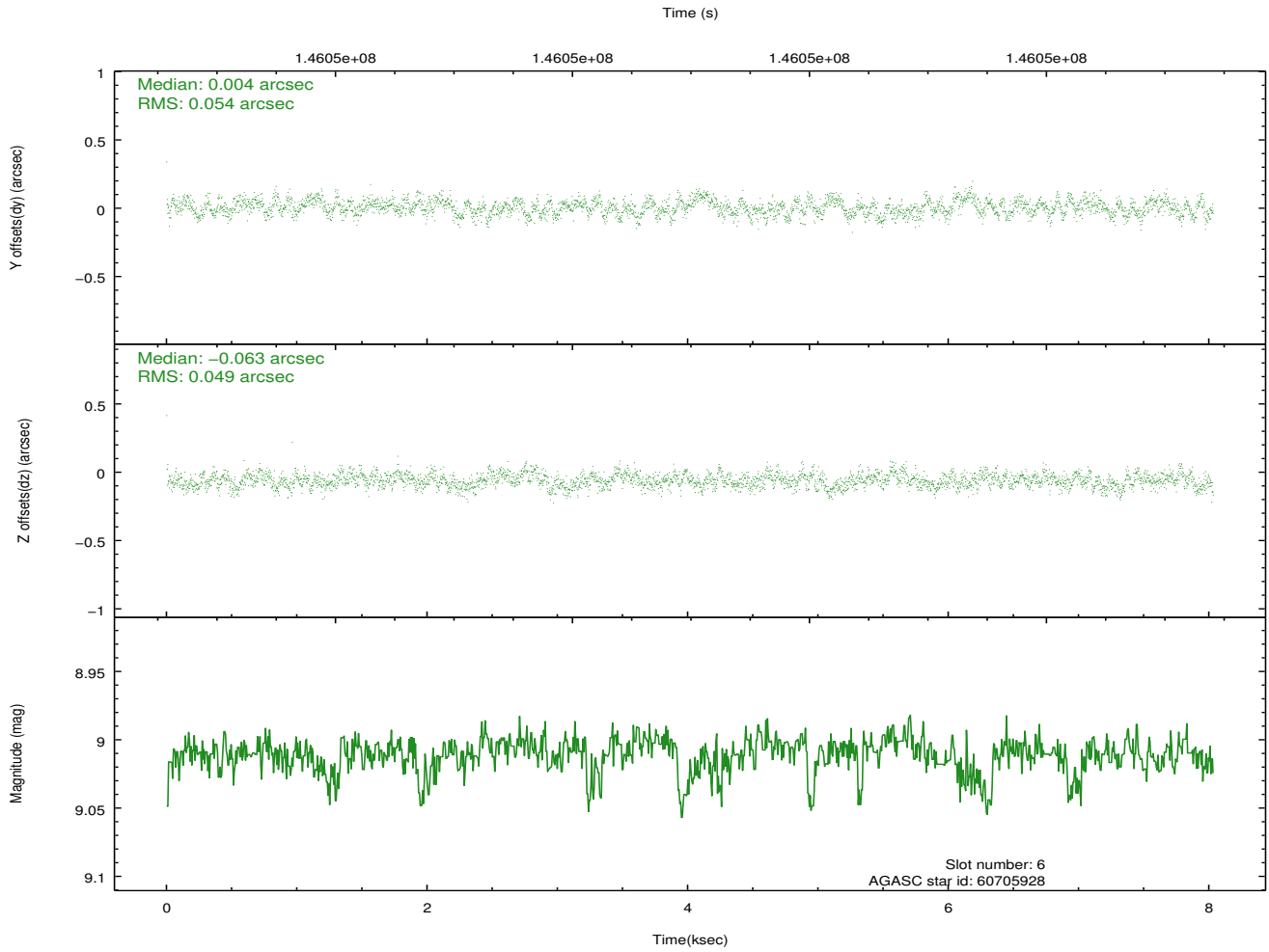
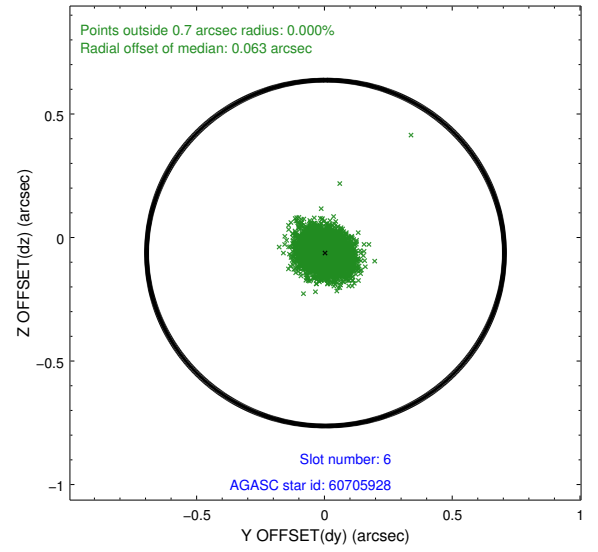
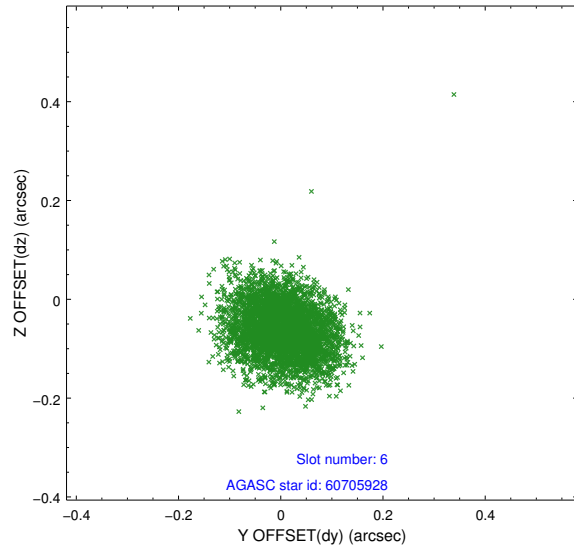
2.4.2 Slot 4



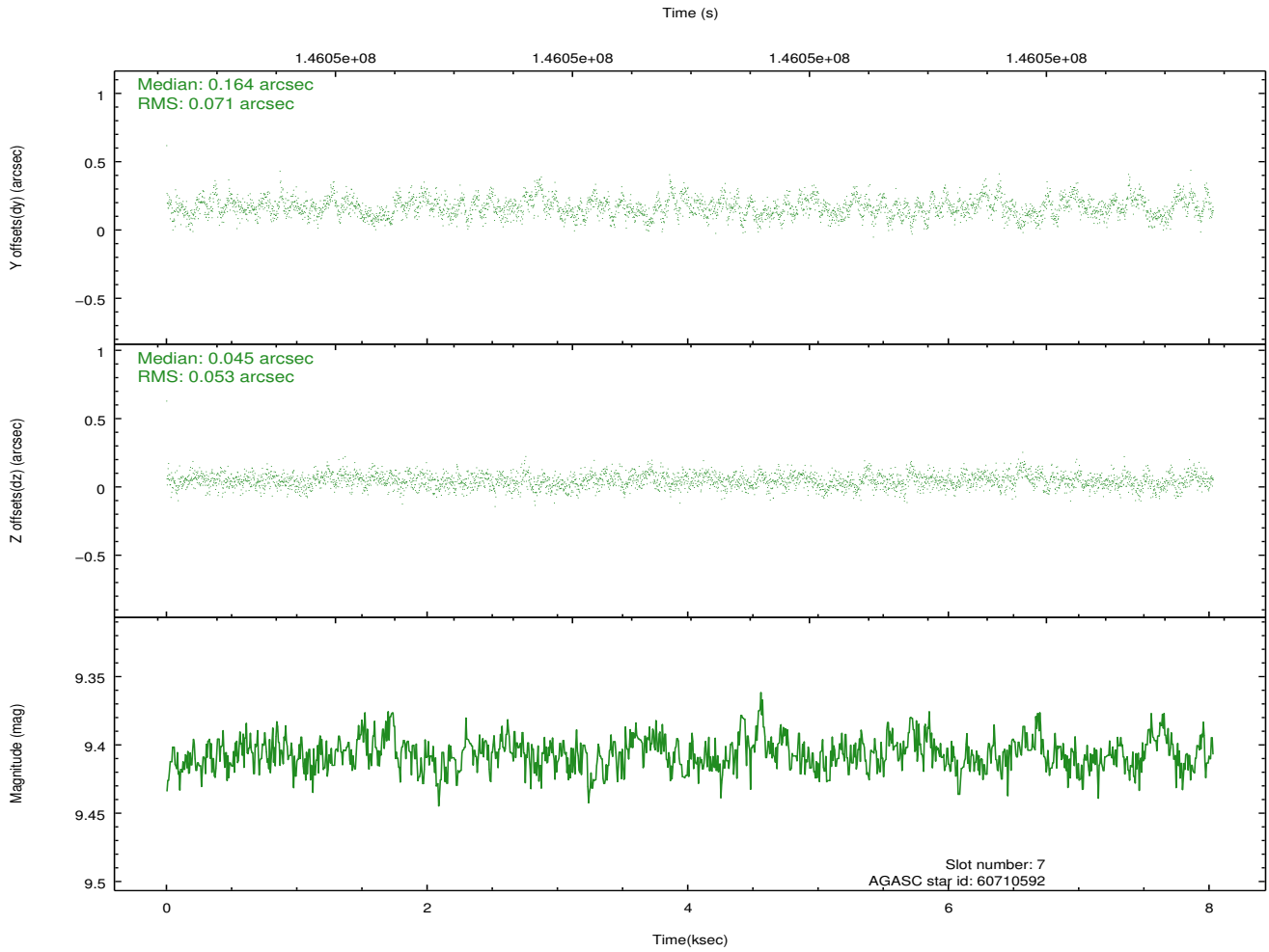
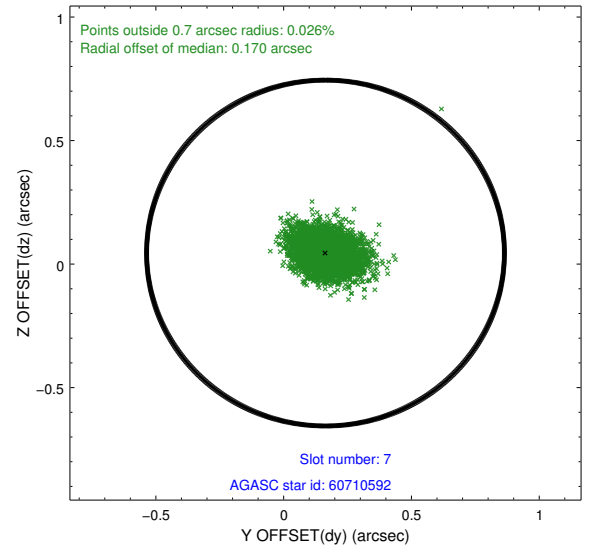
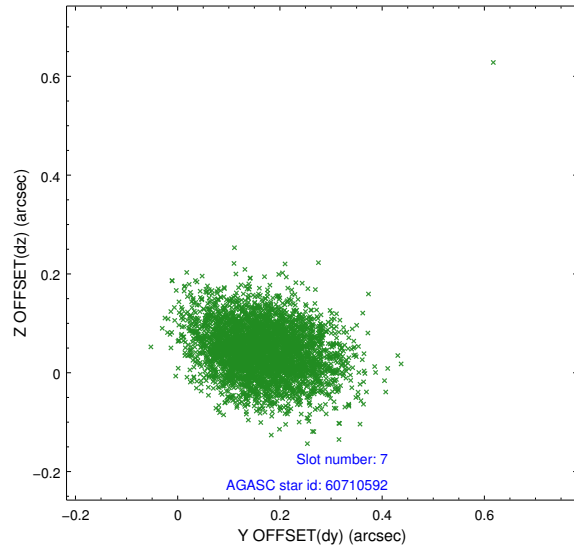
2.4.3 Slot 5



2.4.4 Slot 6

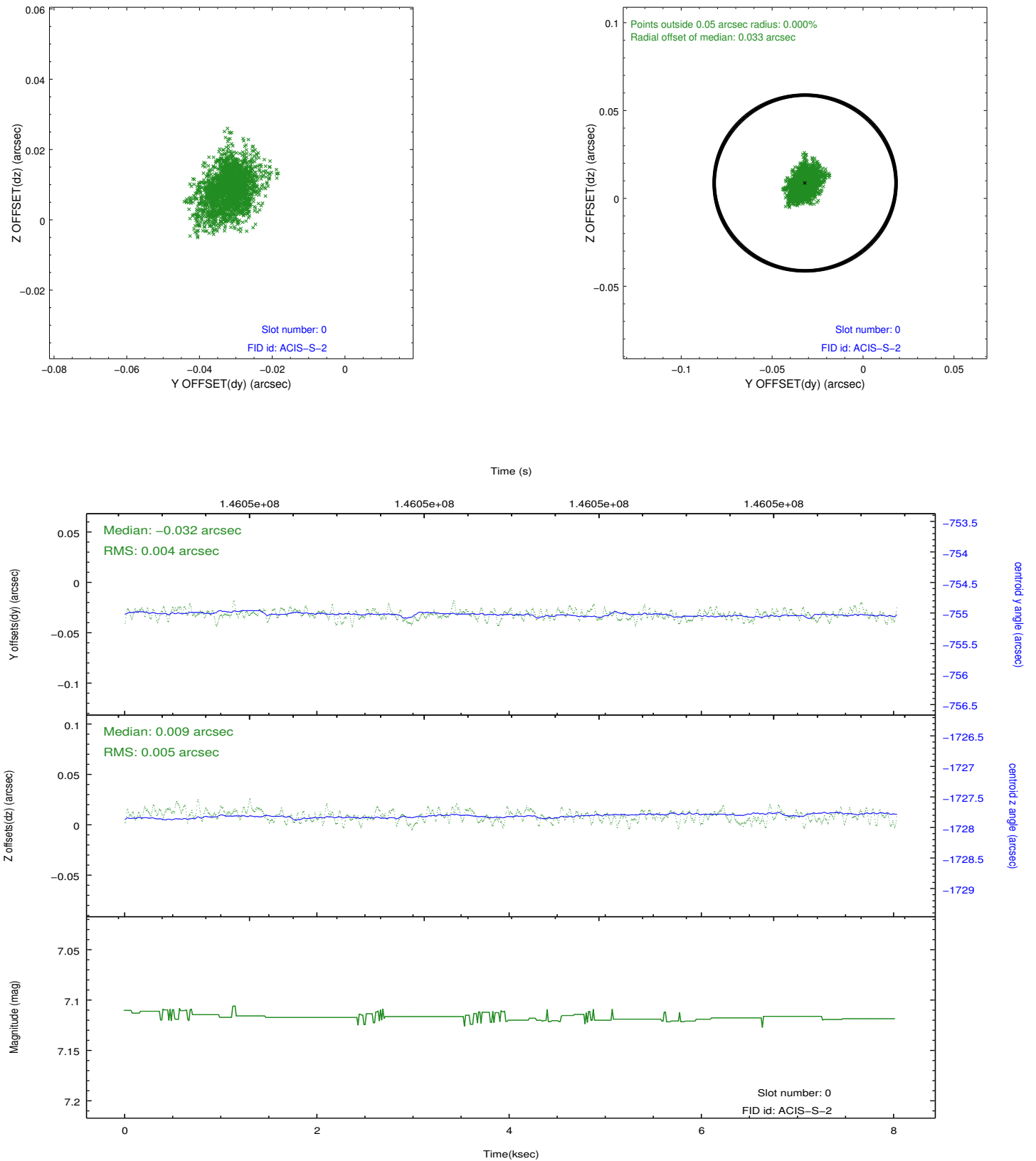


2.4.5 Slot 7

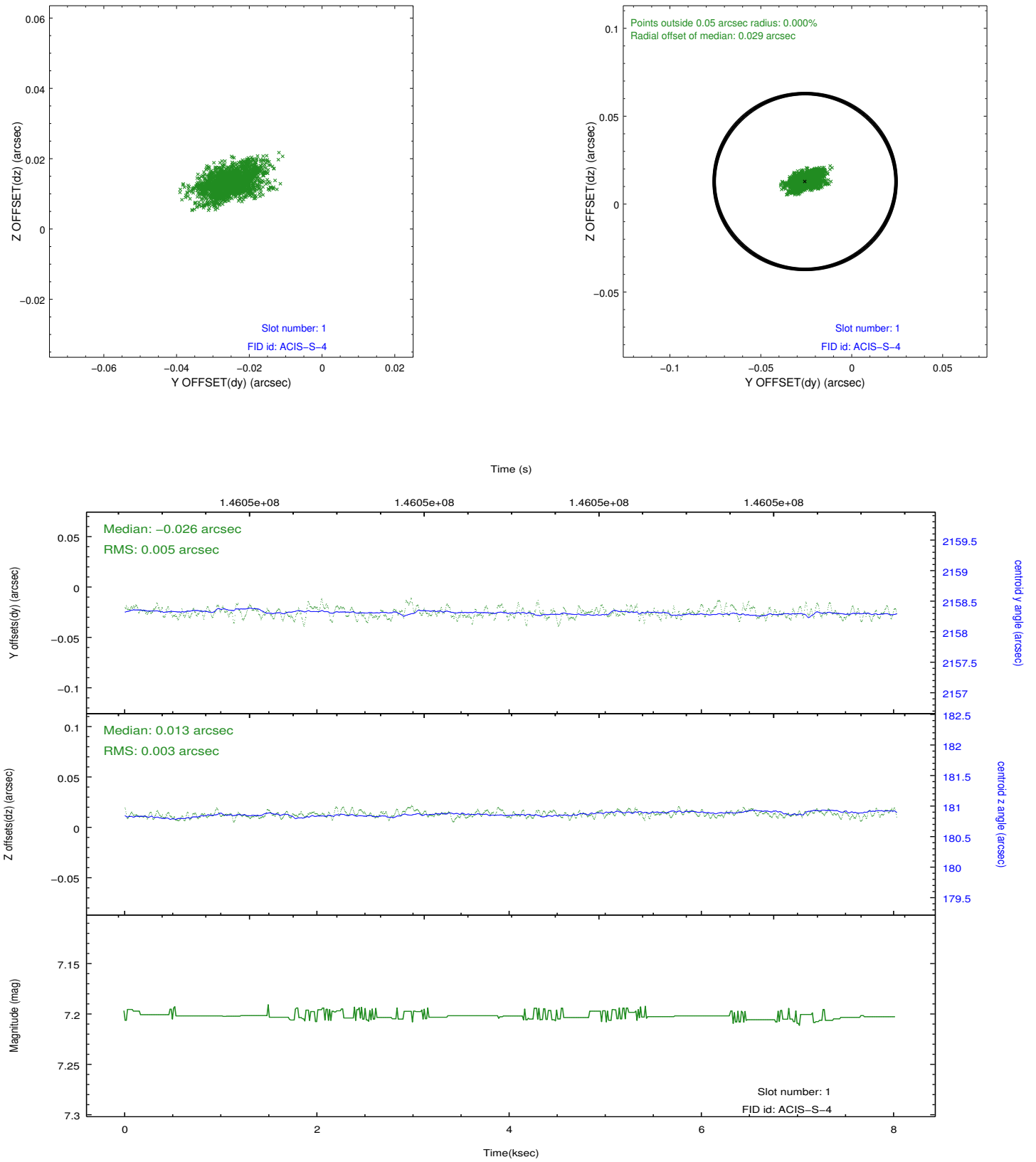


2.5 FID Slots

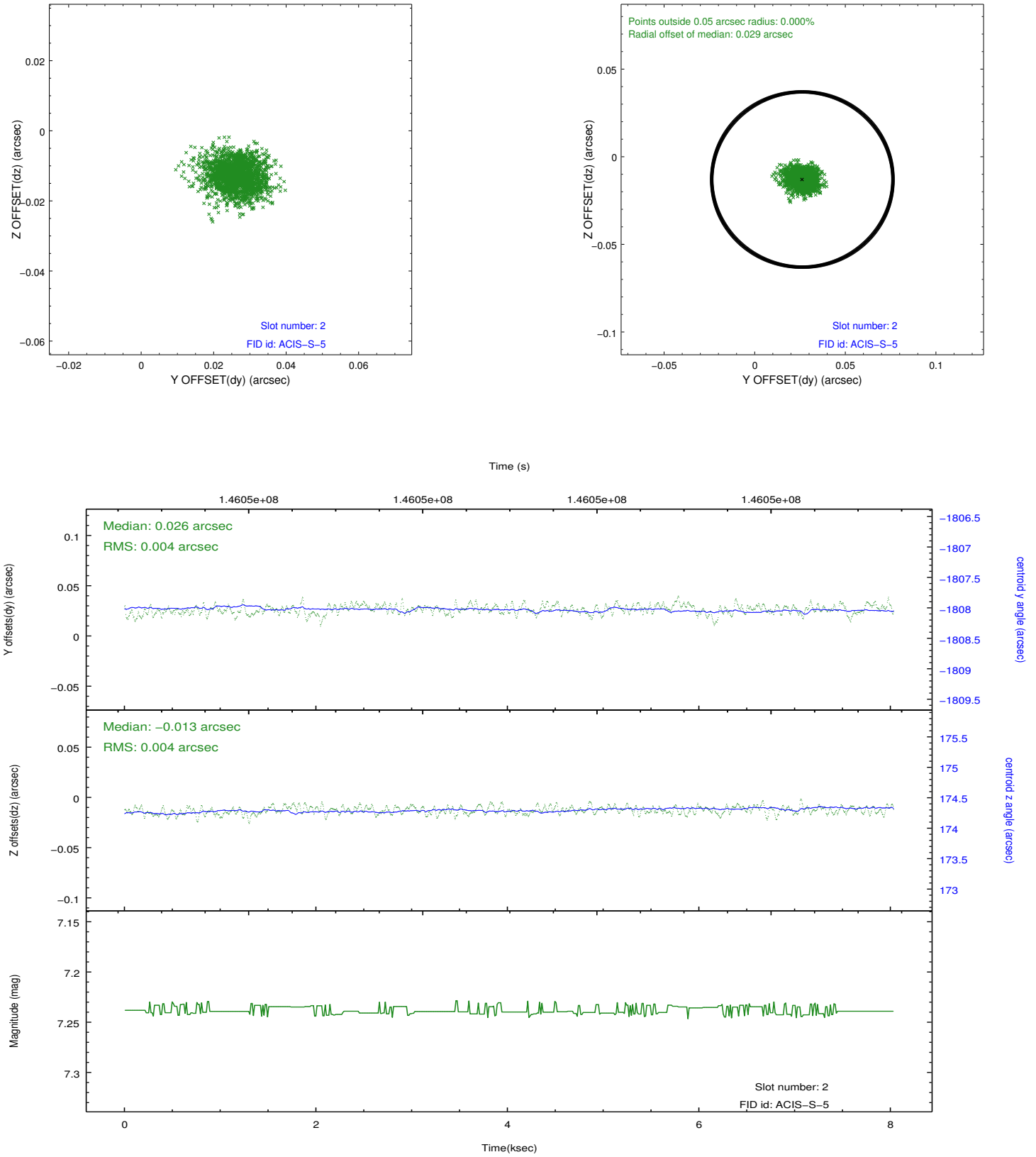
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.858

A.2 Comments

Monitor constraint met.