

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2134 - L2 Version 3
Chandra X-Ray Center

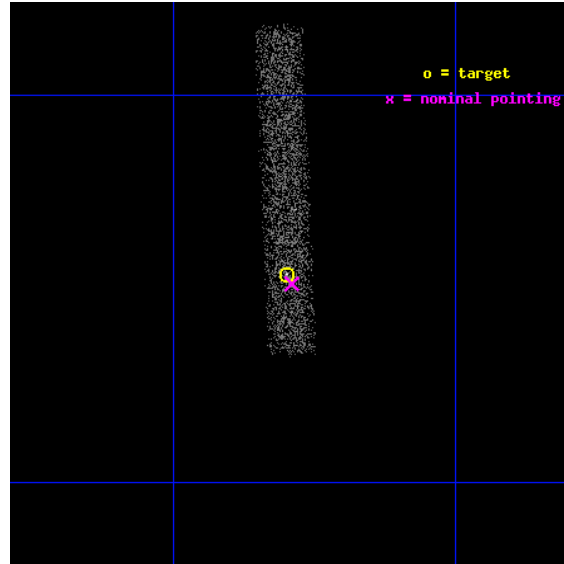
L2 Processing Date : Sep 11 2012

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1 Front

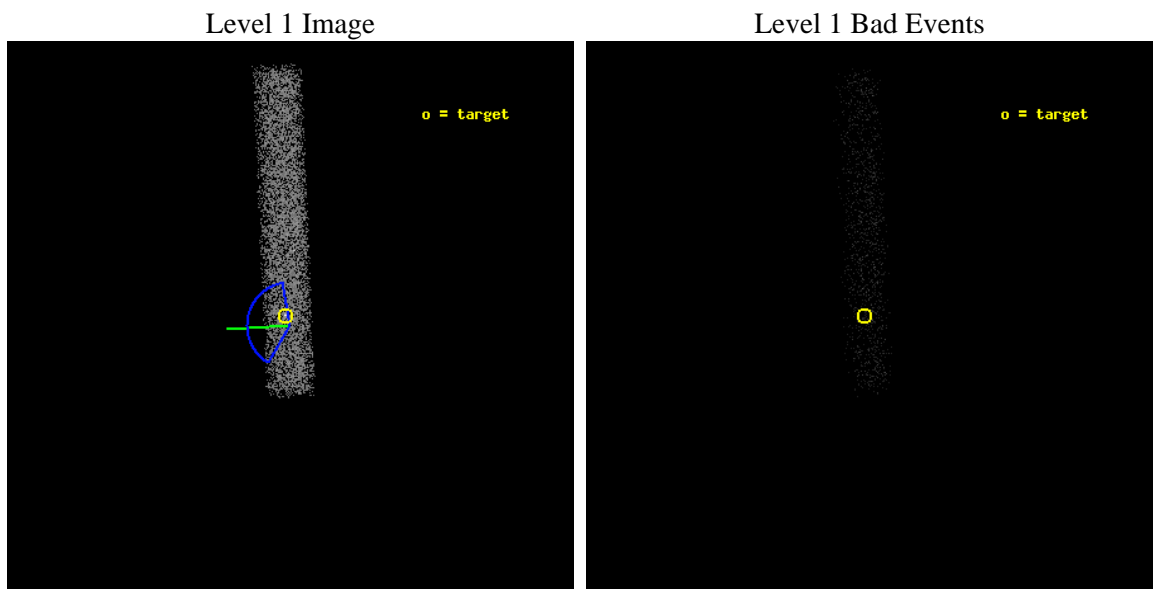
seq_num	700324	Sequence number
obs_id	2134	Observation id
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN	Proposal title
observer	Dr. Rita Sambruna	Principal investigator
object	0802+103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.199583	Observer's specified target RA [deg]
dec_targ	10.256389	Observer's specified target Dec [deg]
ra_nom	121.19765284084	Nominal RA [deg]
dec_nom	10.252300267509	Nominal Dec [deg]
roll_nom	267.51912573255	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9172.4001366794	Sum of GTIs [s]
livetime	8318.8827649913	Livetime [s]
ontime7	9172.4001366794	Sum of GTIs [s]
l2events	4773	Number of level 2 events



2 OBI

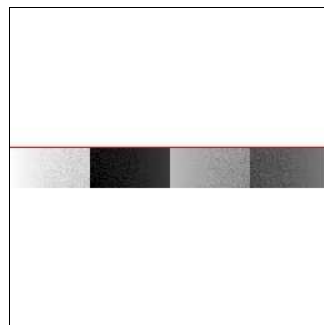
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9172.4001366794	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	9172.4001366794	Sum of GTIs [s]
date	2012-09-11T23:45:30	Date and time of file creation	l1events	11332	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

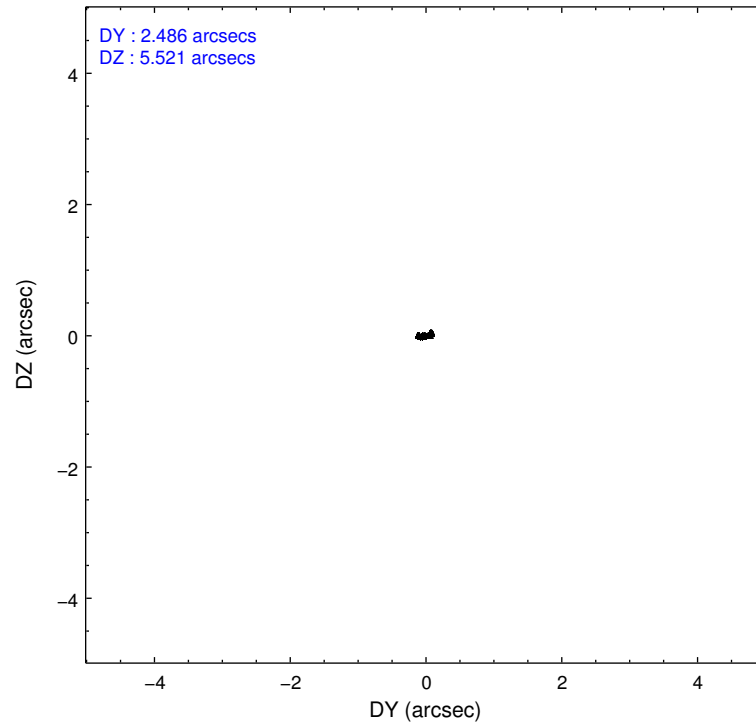
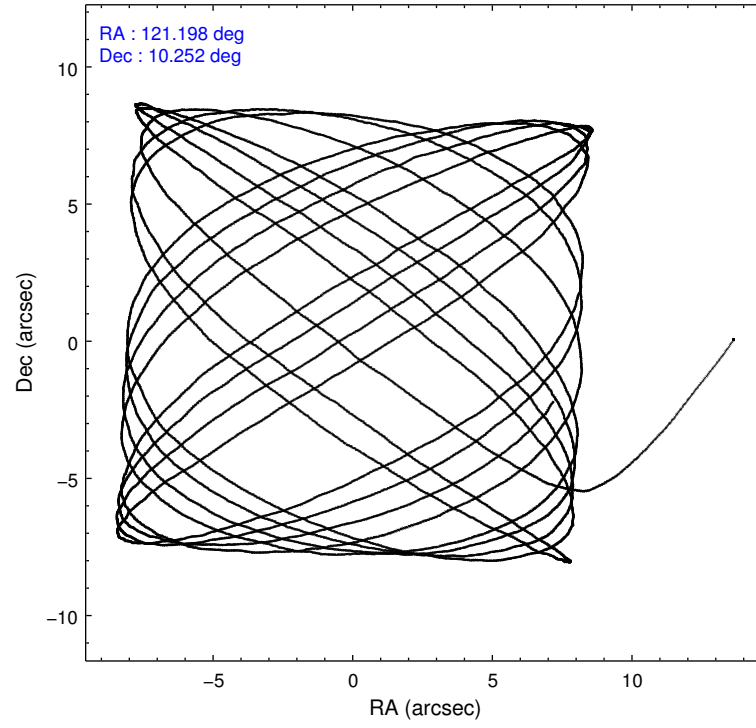
	ccd 7
level 1 events	11332
rejected events	6374
rejected %	56%

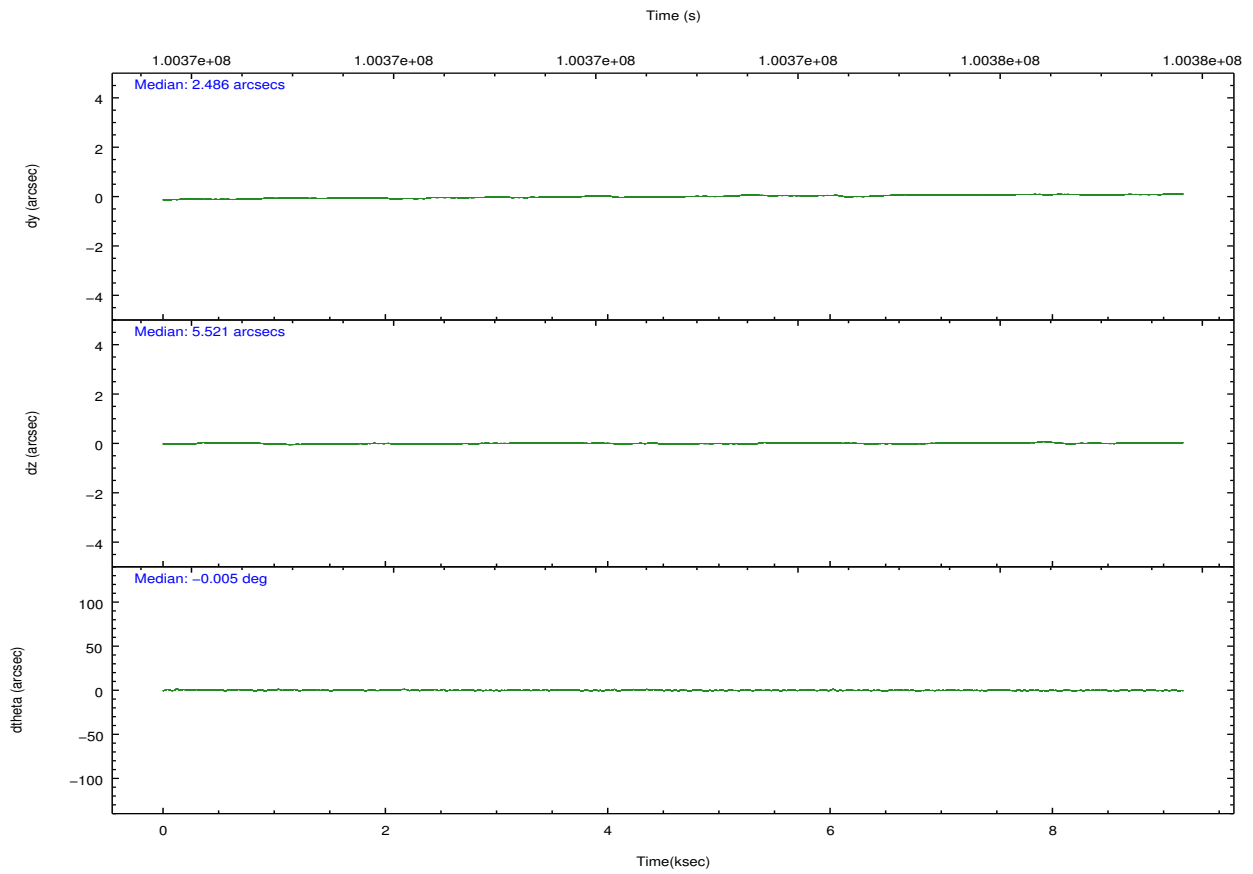
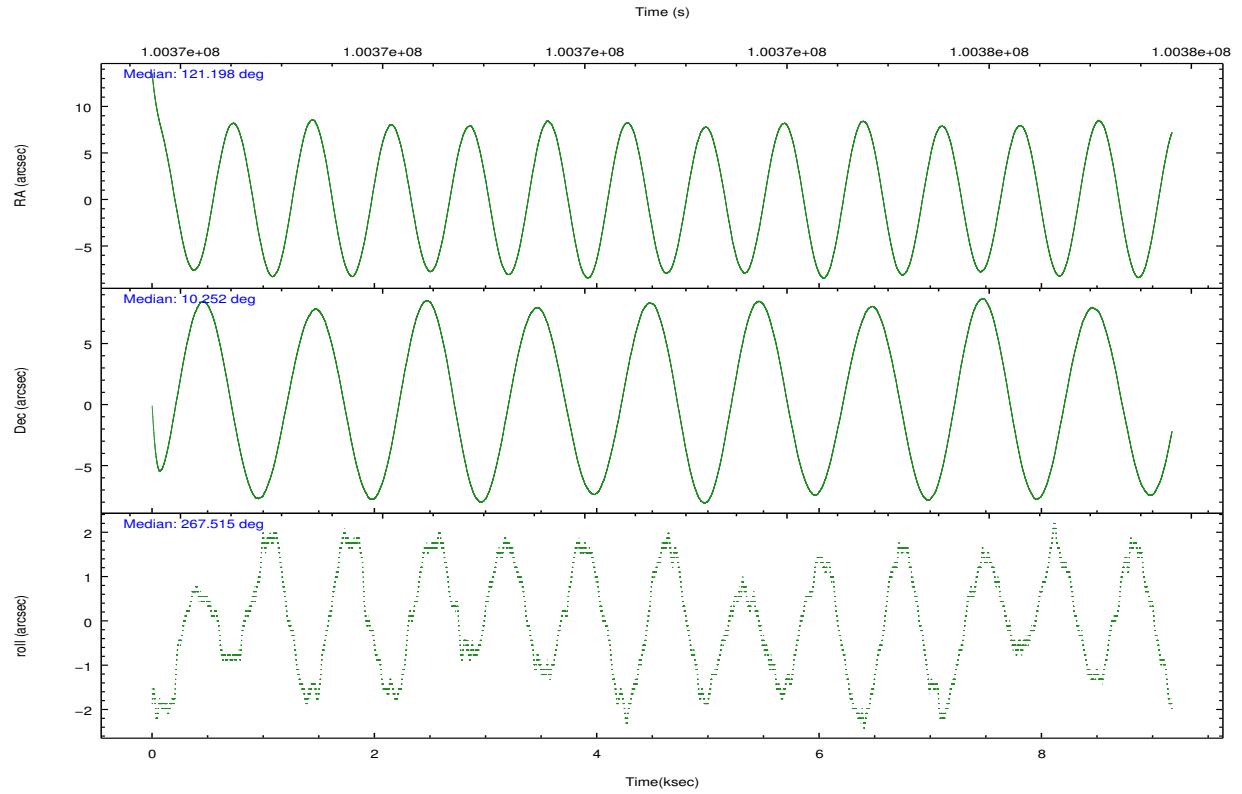
	ccd 7
grade 0 events	660
	5%
grade 1 events	13
	0%
grade 2 events	1061
	9%
grade 3 events	653
	5%
grade 4 events	695
	6%
grade 5 events	990
	8%
grade 6 events	2294
	20%
grade 7 events	4966
	43%

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	121.184579	121.1976528408442	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	10.276420	10.25230026750918	Subarray start row	449	449
[deg] Pointing Roll	267.364820	267.5191257325483	Subarray row count	128	128
[deg] Roll angle	280.000000	280.000000	Alternating exposures requested	N	N
[deg] Roll tolerance	69.000000	69.000000	[s] Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	100368349.184000	100367296.75714			
Observation start date	2001-03-07T16:04:45	2001-03-07T15:48:16			
[s] Observation end time (MET)	100377349.184000	100378197.63256			
Observation end date	2001-03-07T18:34:45	2001-03-07T18:49:57			
Read mode	TIMED	TIMED			

2.3 Aspect



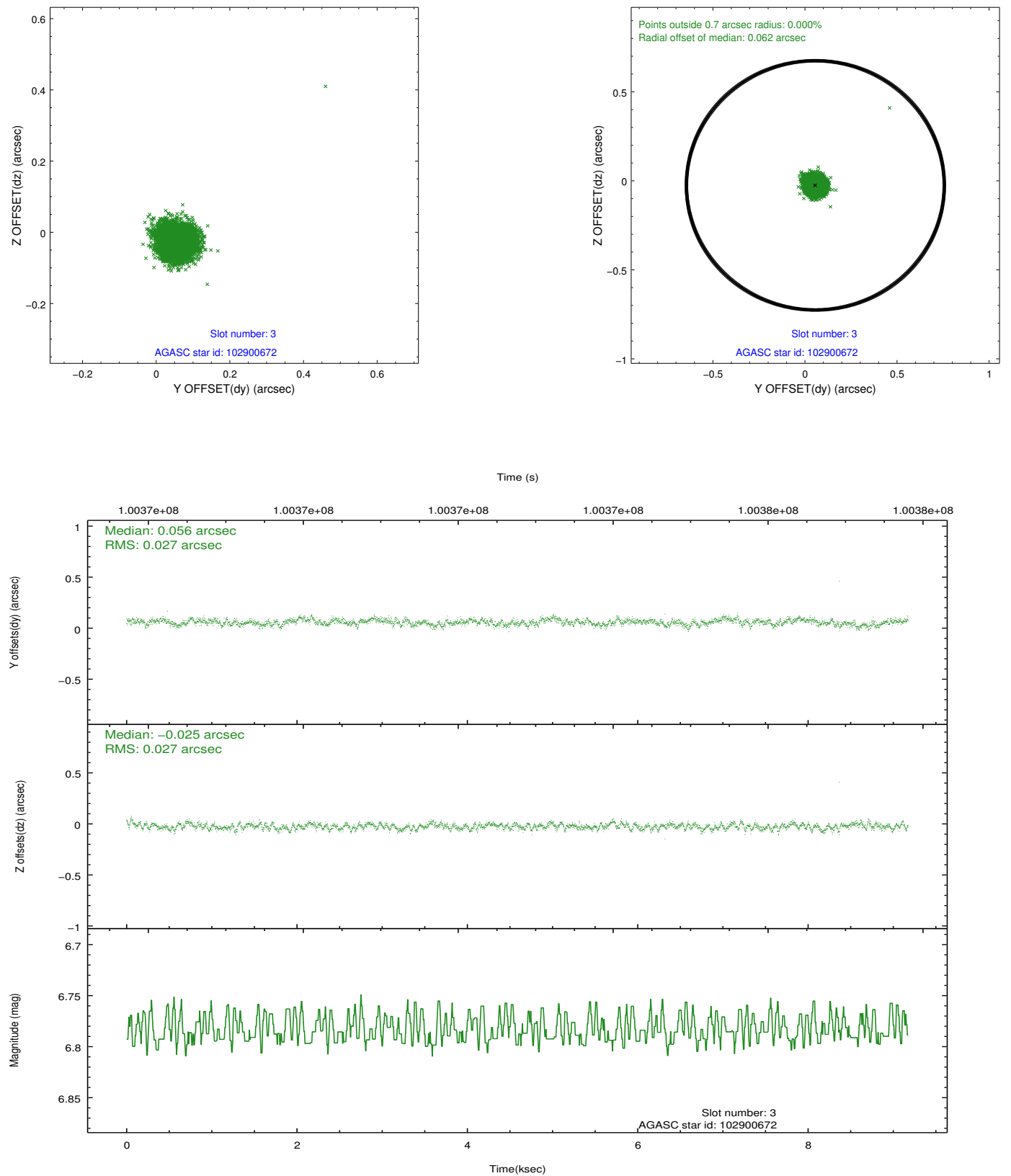


Slot Statistics

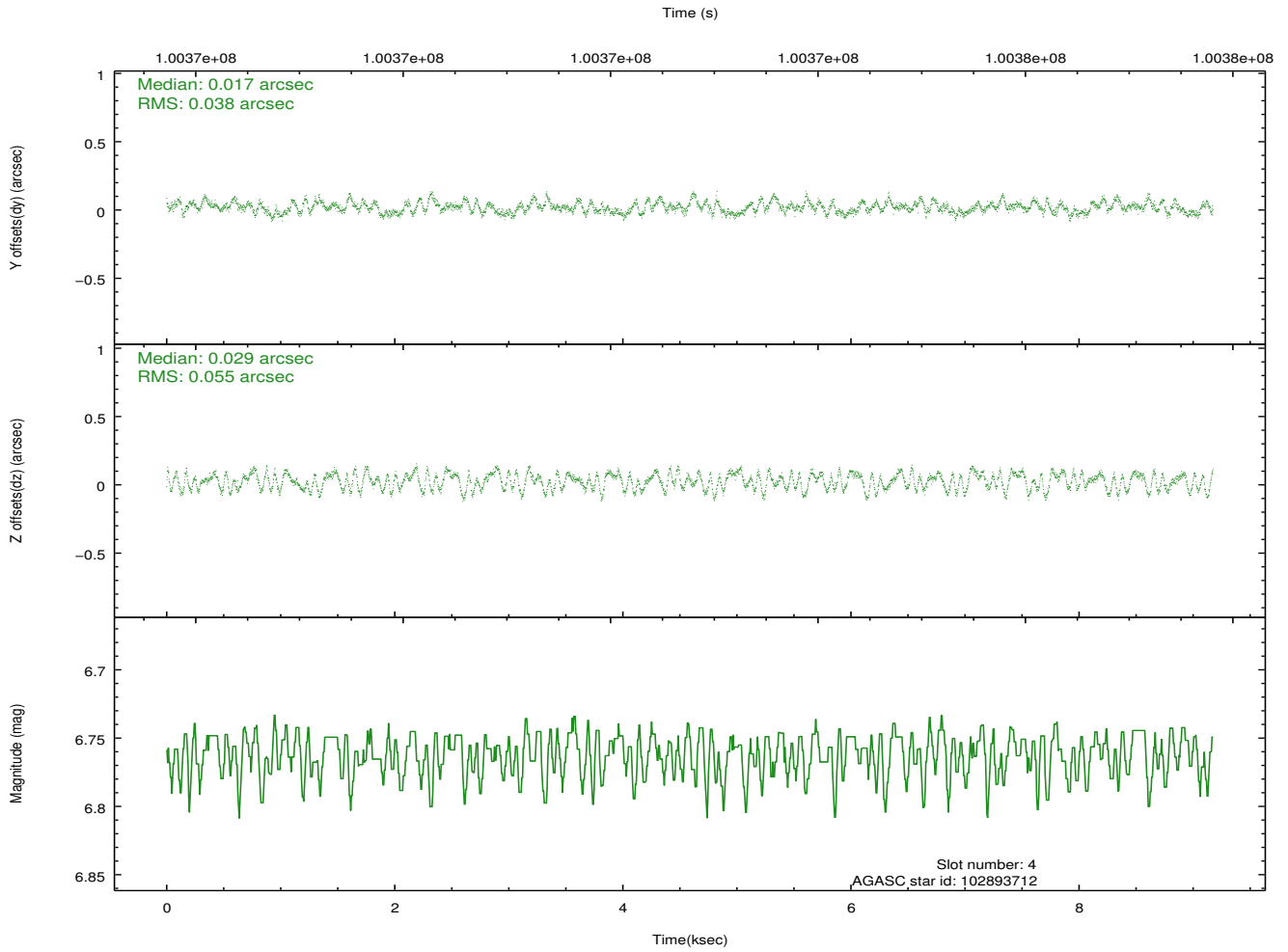
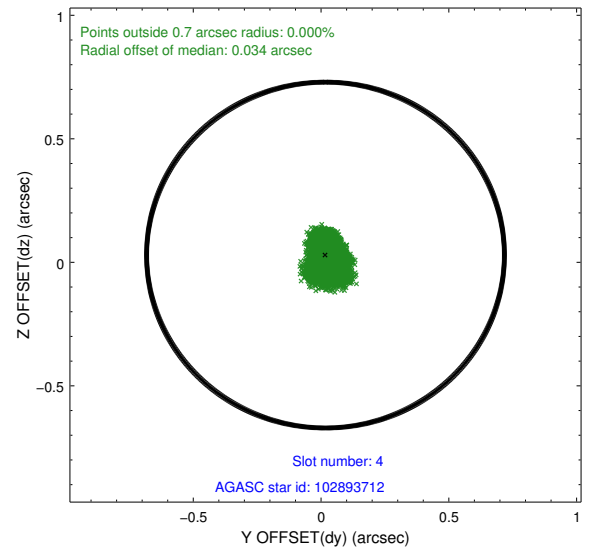
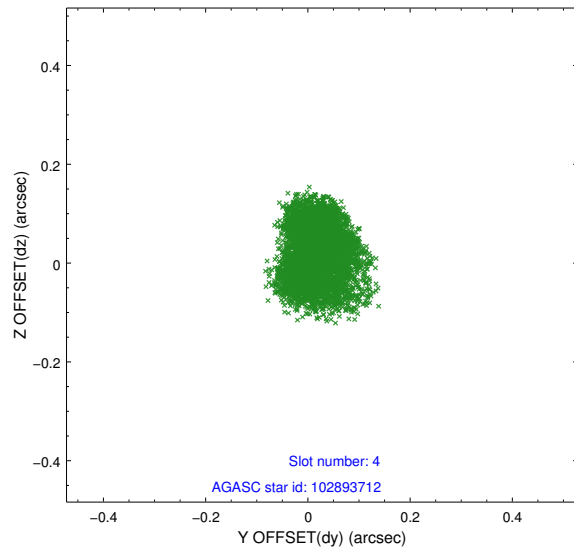
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2238	-0.040	-0.007	0.006	0.011	0.000000	0.000000	-755.11	-1726.67
1	FID	ACIS-S-4	7.20	2237	-0.017	0.021	0.005	0.009	0.000000	0.000000	2157.88	181.30
2	FID	ACIS-S-5	7.24	2238	0.026	-0.006	0.006	0.011	0.000000	0.000000	-1807.17	175.52
3	GUIDE	102900672	6.78	4476	0.056	-0.025	0.039	0.063	120.810412	9.942835	1259.75	-1269.97
4	GUIDE	102893712	6.76	4476	0.017	0.029	0.073	0.111	121.777014	9.980143	966.86	2147.24
5	GUIDE	102898312	7.22	4476	-0.029	-0.110	0.048	0.074	121.253781	10.500012	-815.49	208.17
6	GUIDE	102906648	7.78	4476	0.043	0.068	0.053	0.085	121.088001	10.249590	111.75	-337.03
7	GUIDE	102893184	8.41	4475	-0.089	0.045	0.050	0.081	121.068238	10.856757	-2068.49	-506.99

2.4 Star Slots

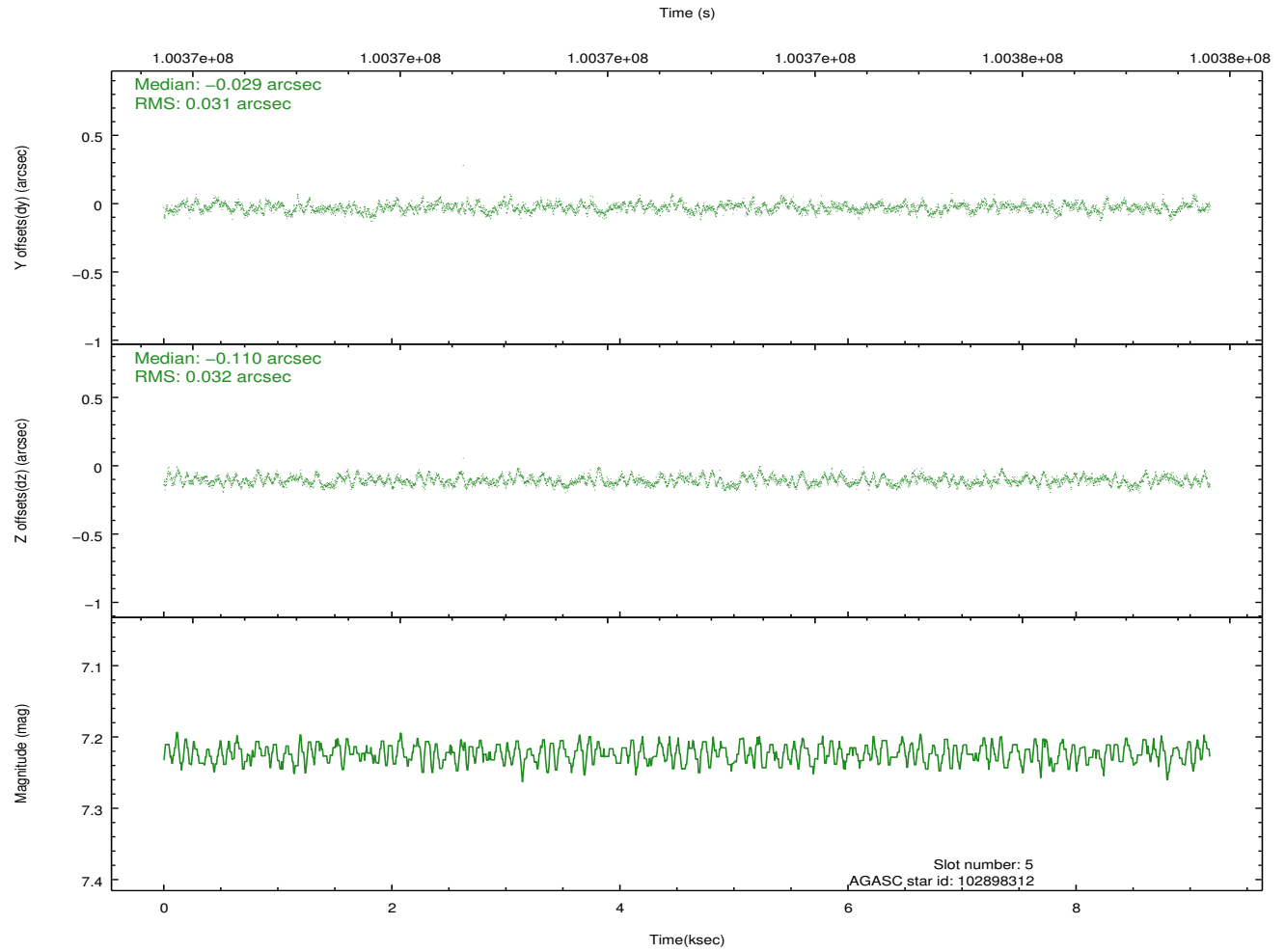
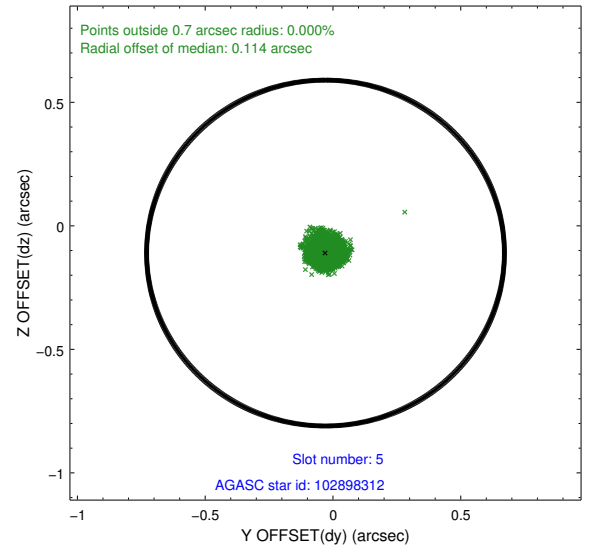
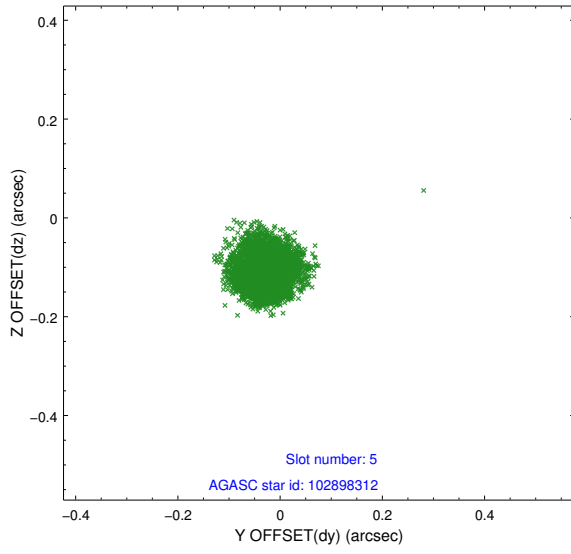
2.4.1 Slot 3



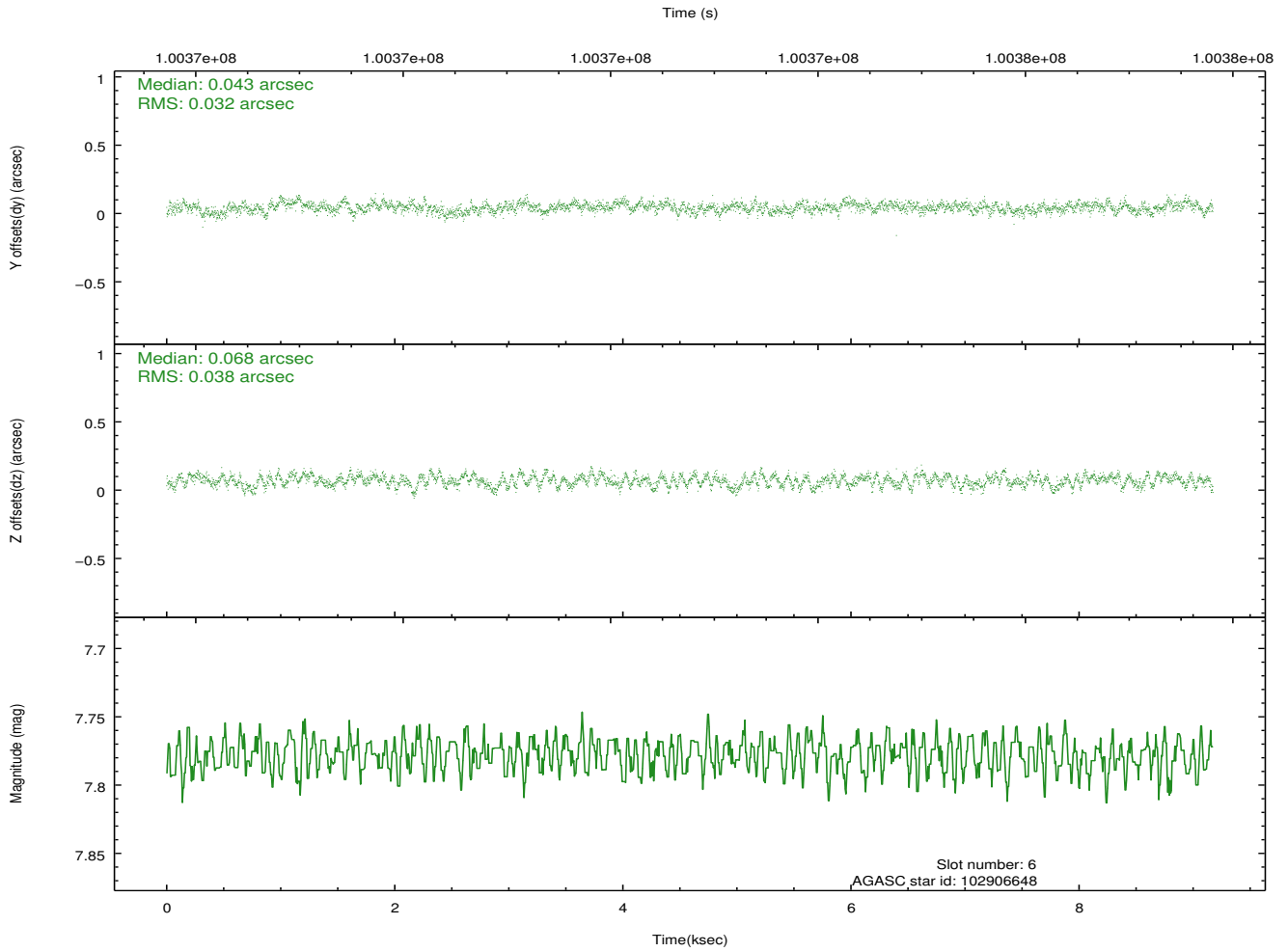
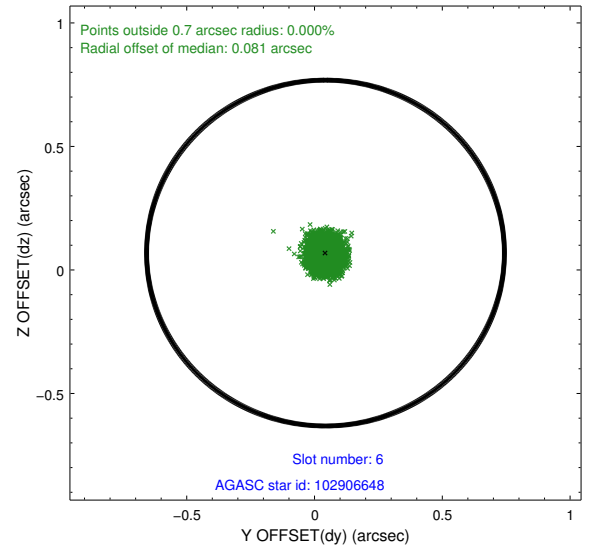
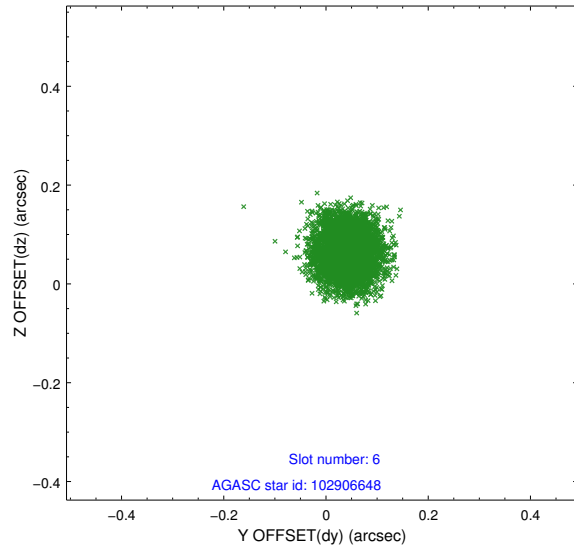
2.4.2 Slot 4



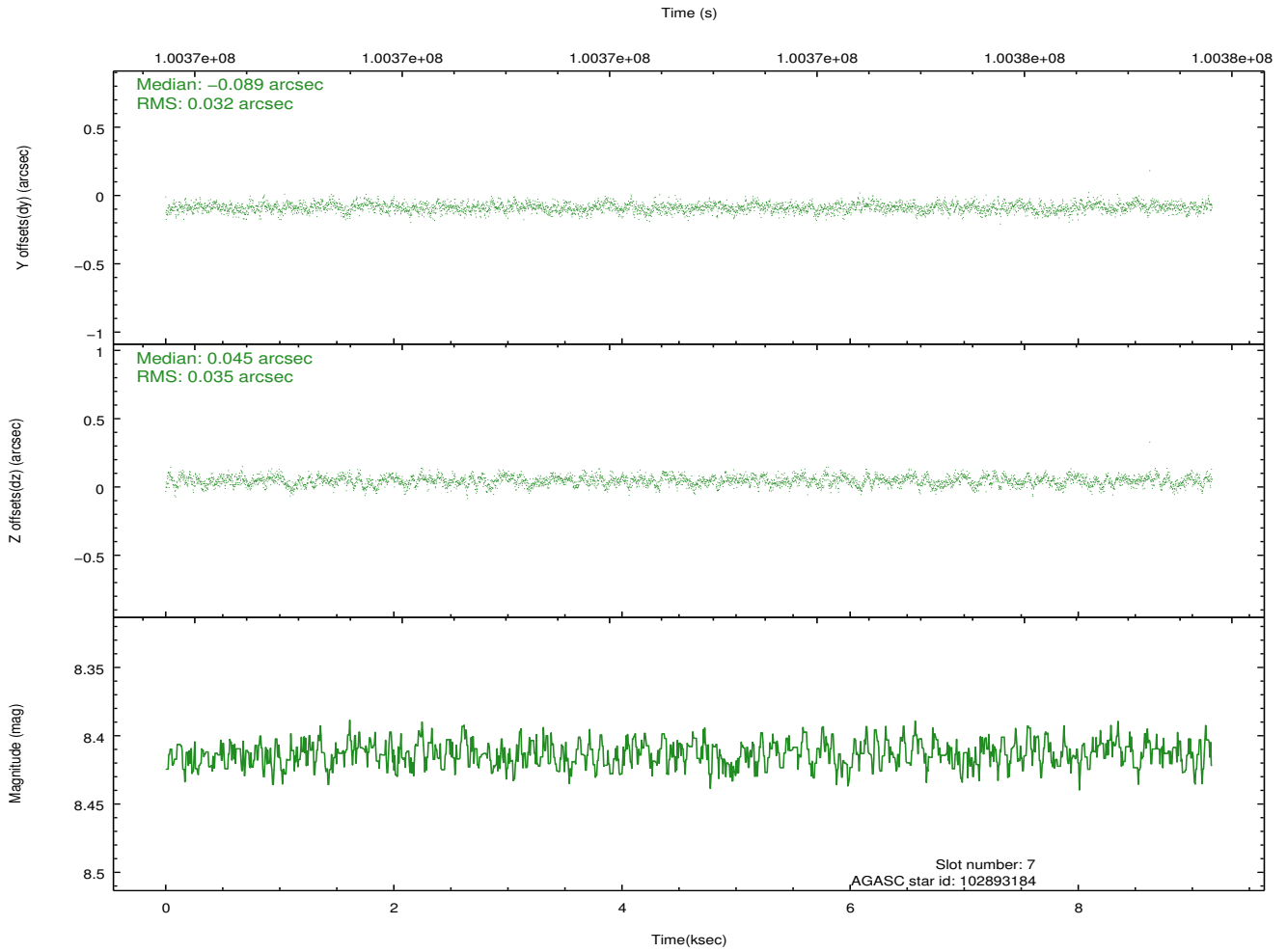
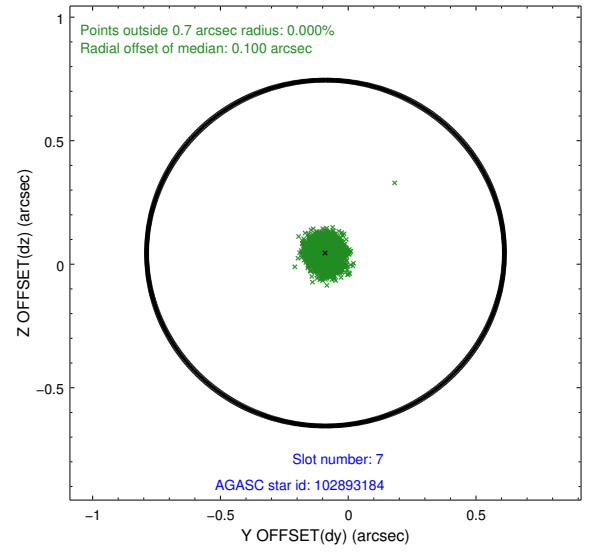
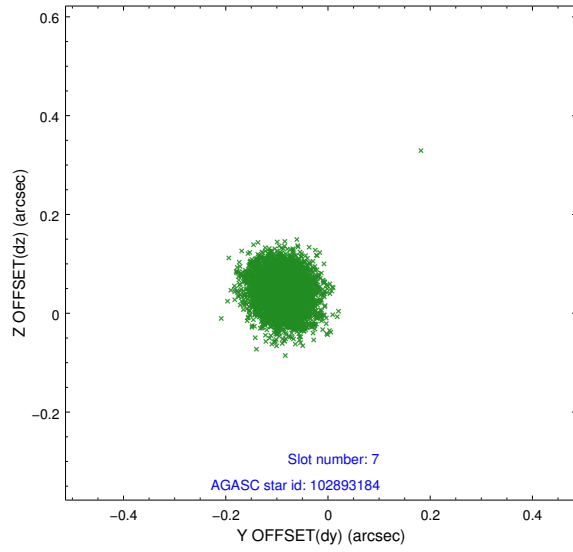
2.4.3 Slot 5



2.4.4 Slot 6

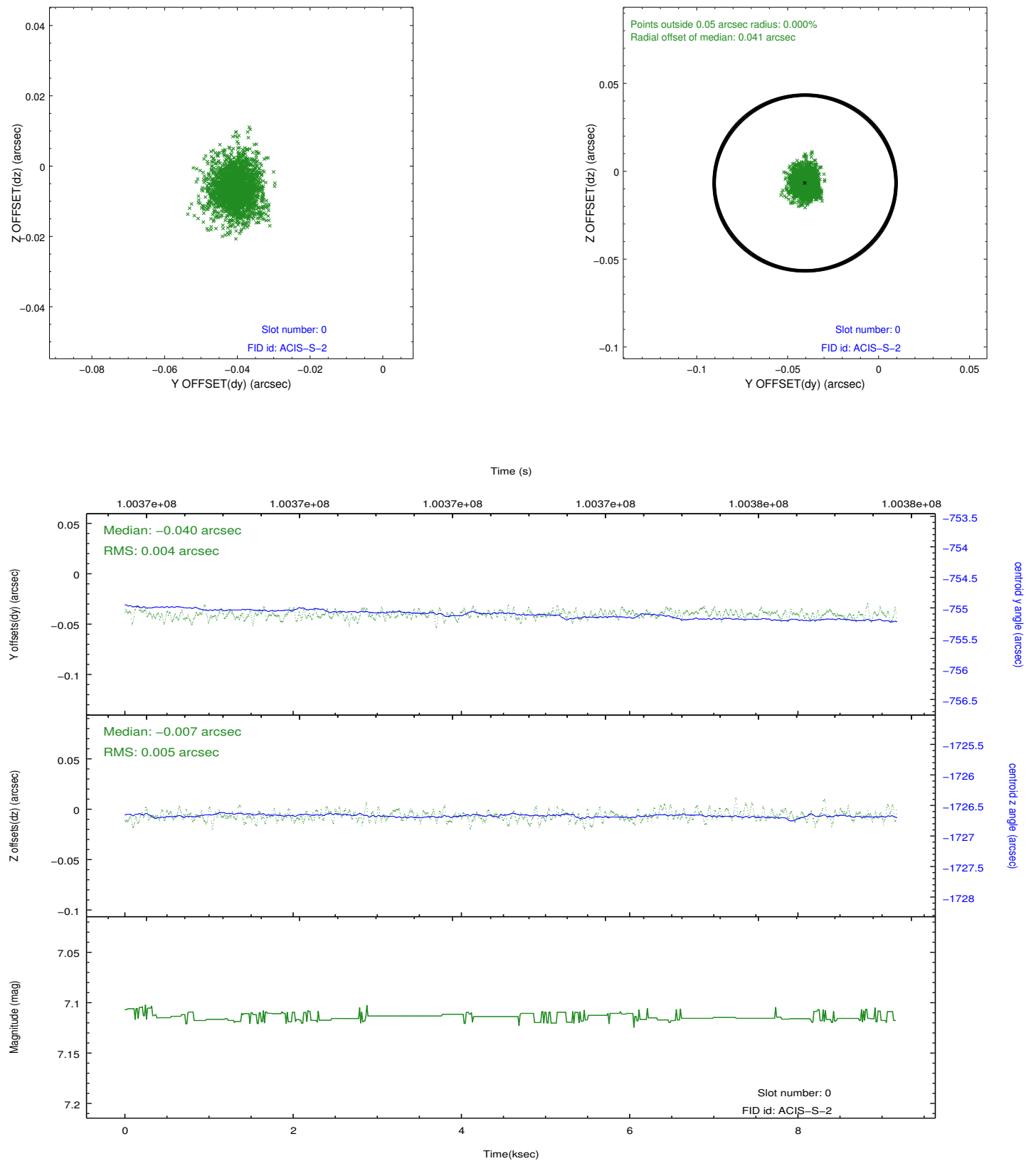


2.4.5 Slot 7

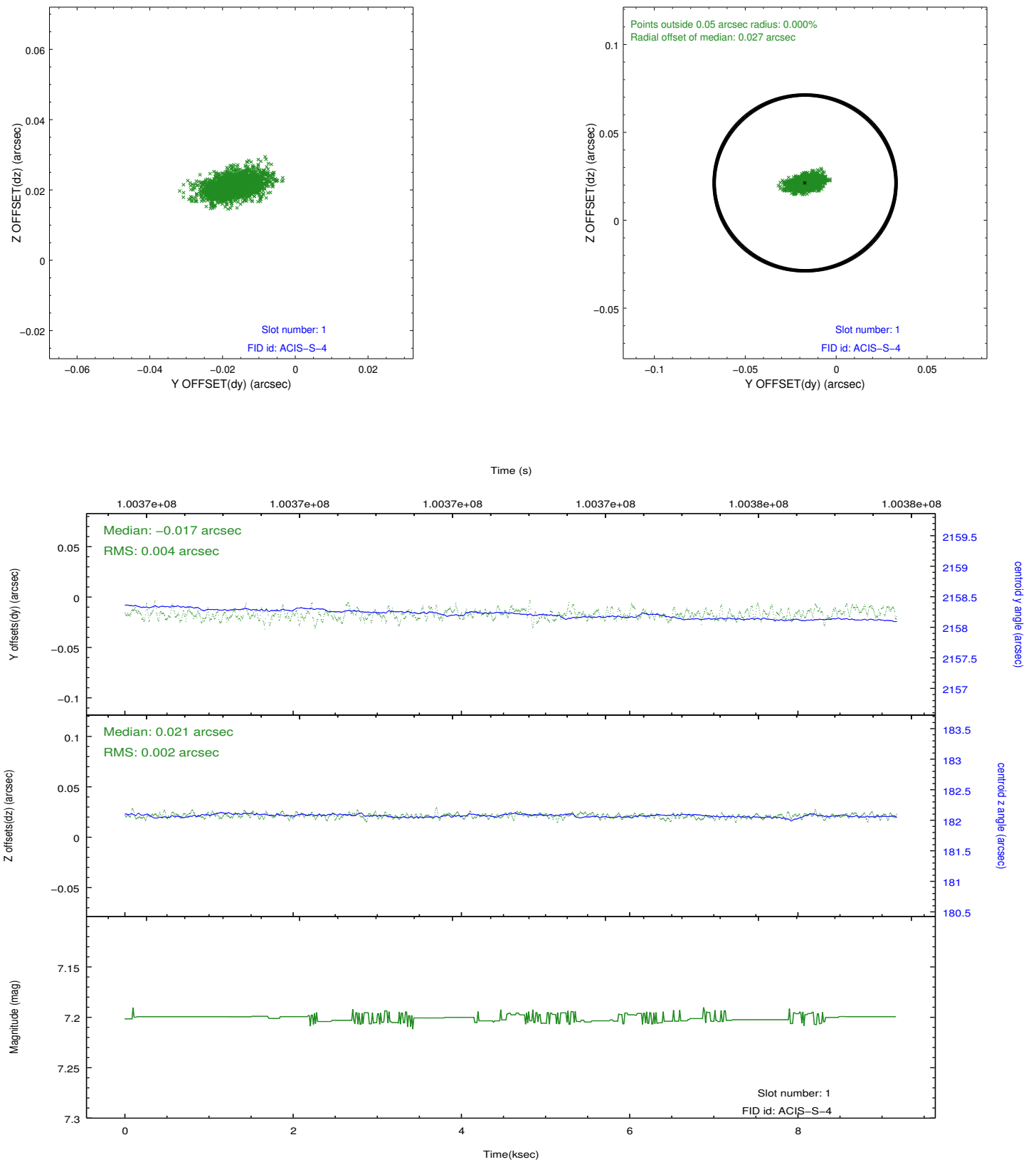


2.5 FID Slots

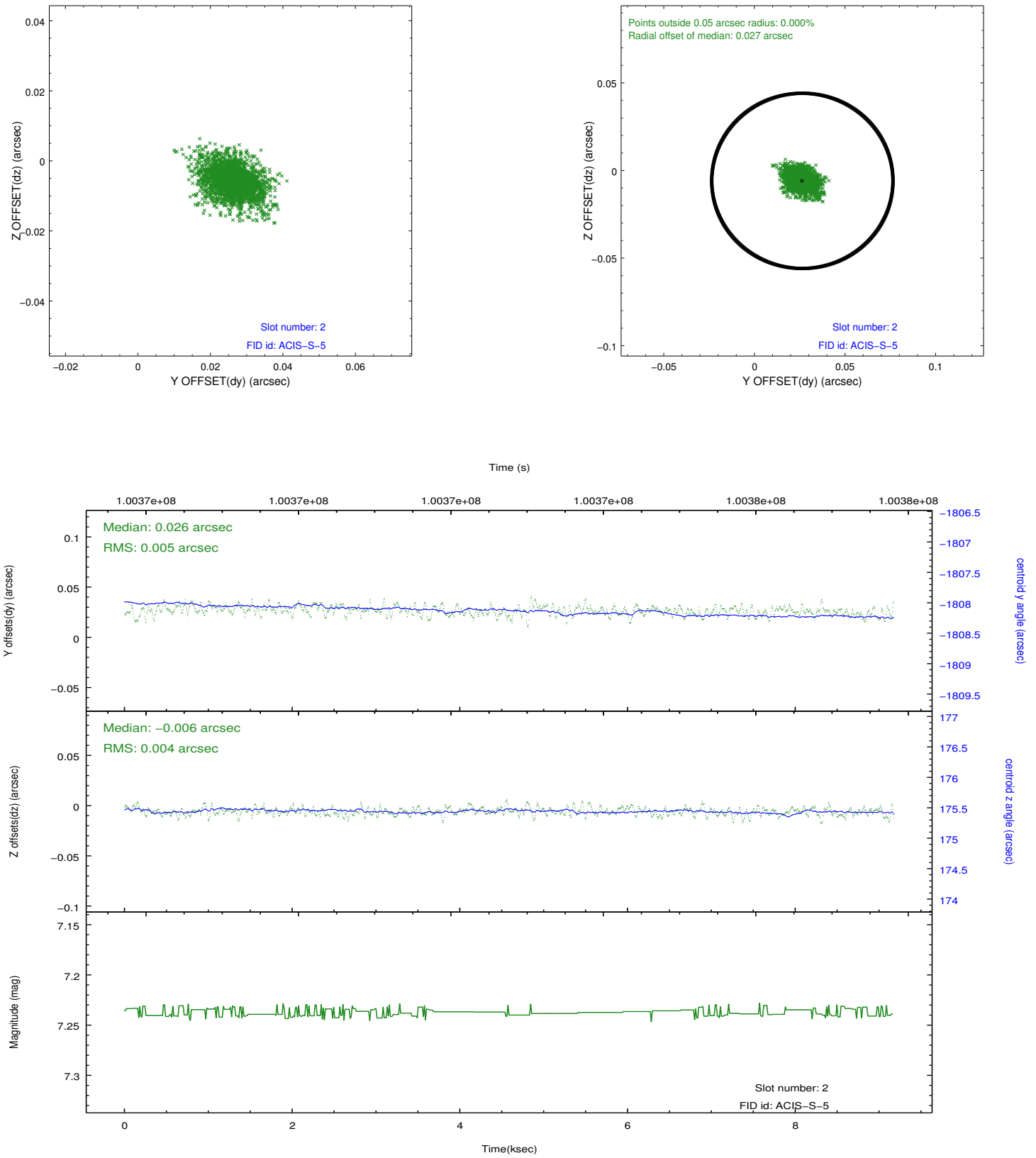
2.5.1 Slot 0



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)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.172

A.2 Comments

Roll constraint met.