

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2156 - L2 Version 3
Chandra X-Ray Center

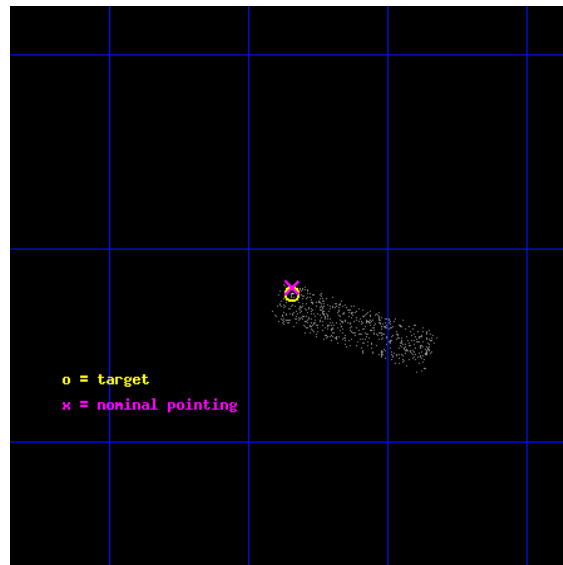
L2 Processing Date : Sep 21 2012

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1 Front

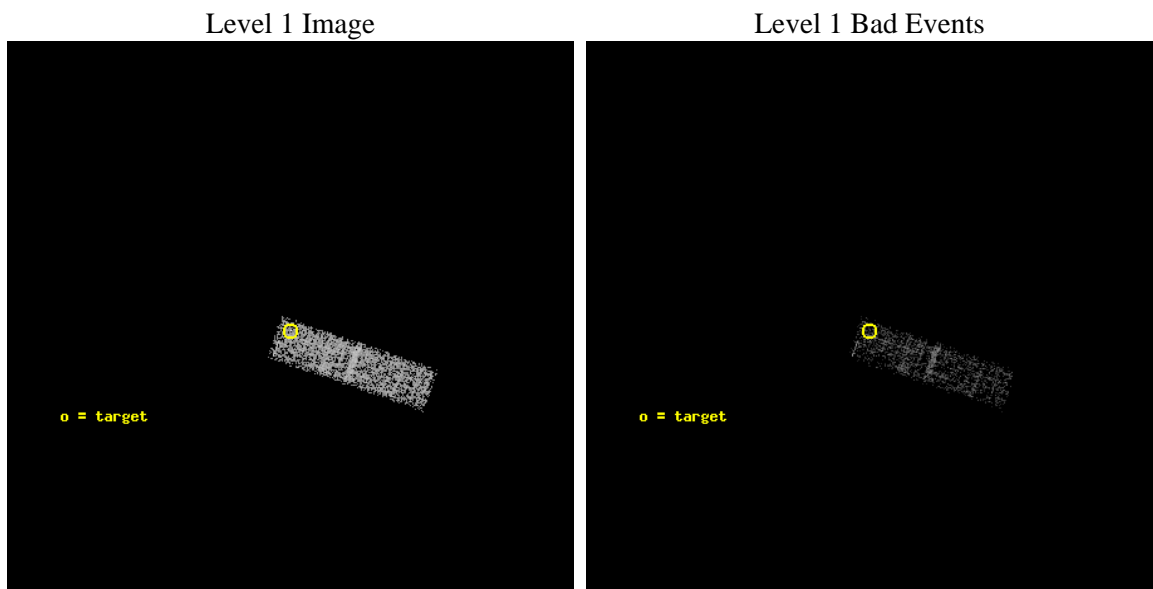
seq_num	700346	Sequence number
obs_id	2156	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ022150+1327	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.460833	Observer's specified target RA [deg]
dec_targ	13.461389	Observer's specified target Dec [deg]
ra_nom	35.46116459671	Nominal RA [deg]
dec_nom	13.466248777454	Nominal Dec [deg]
roll_nom	109.03304624427	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3661.5999863744	Sum of GTIs [s]
livetime	3482.9258883044	Livetime [s]
ontime3	3661.5999863744	Sum of GTIs [s]
l2events	720	Number of level 2 events



2 OBI

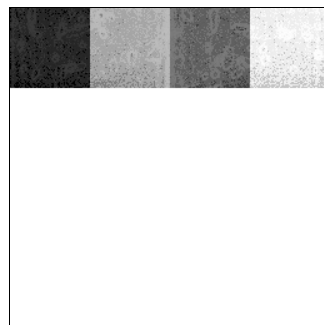
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3661.5999863744	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	3661.5999863744	Sum of GTIs [s]
date	2012-09-21T10:02:34	Date and time of file creation	l1events	9557	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

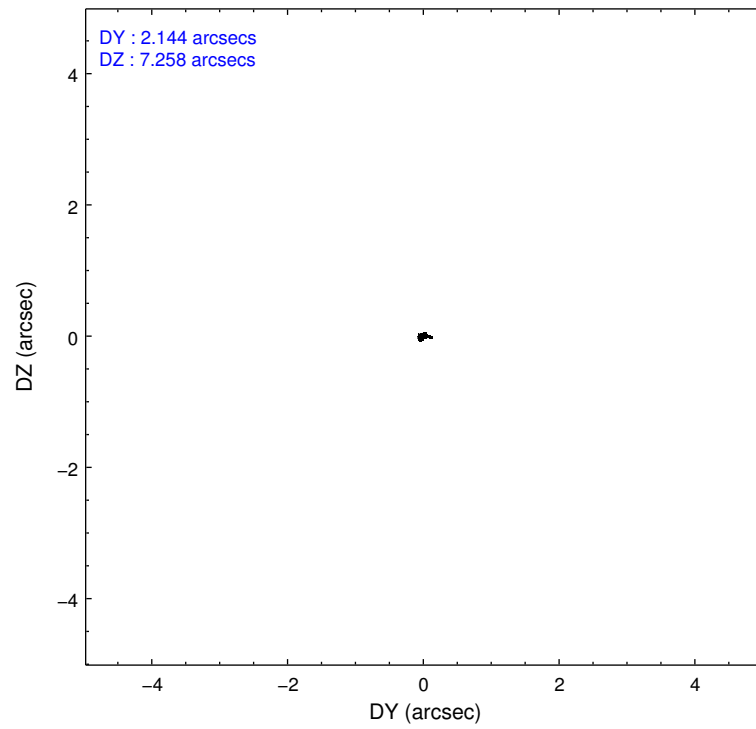
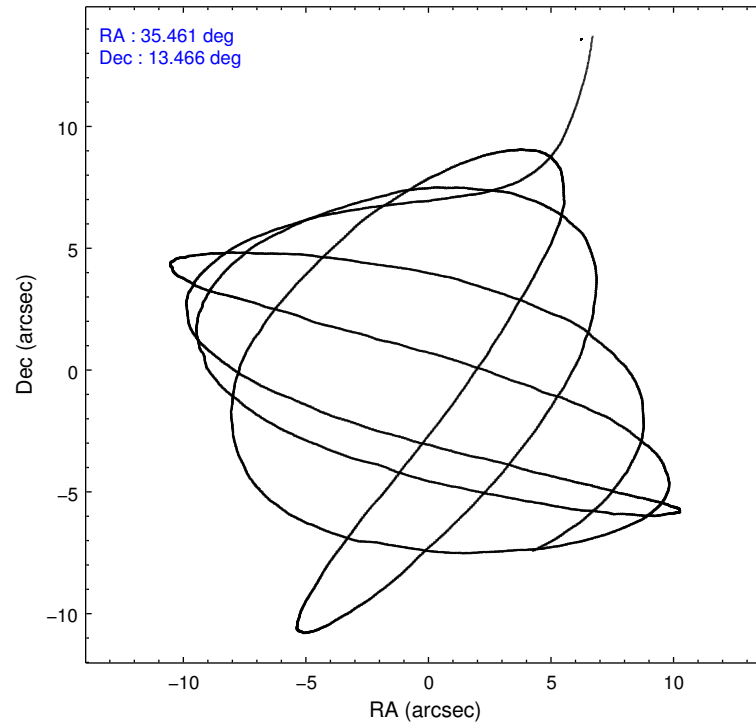
	ccd 3
level 1 events	9557
rejected events	8683
rejected %	90%

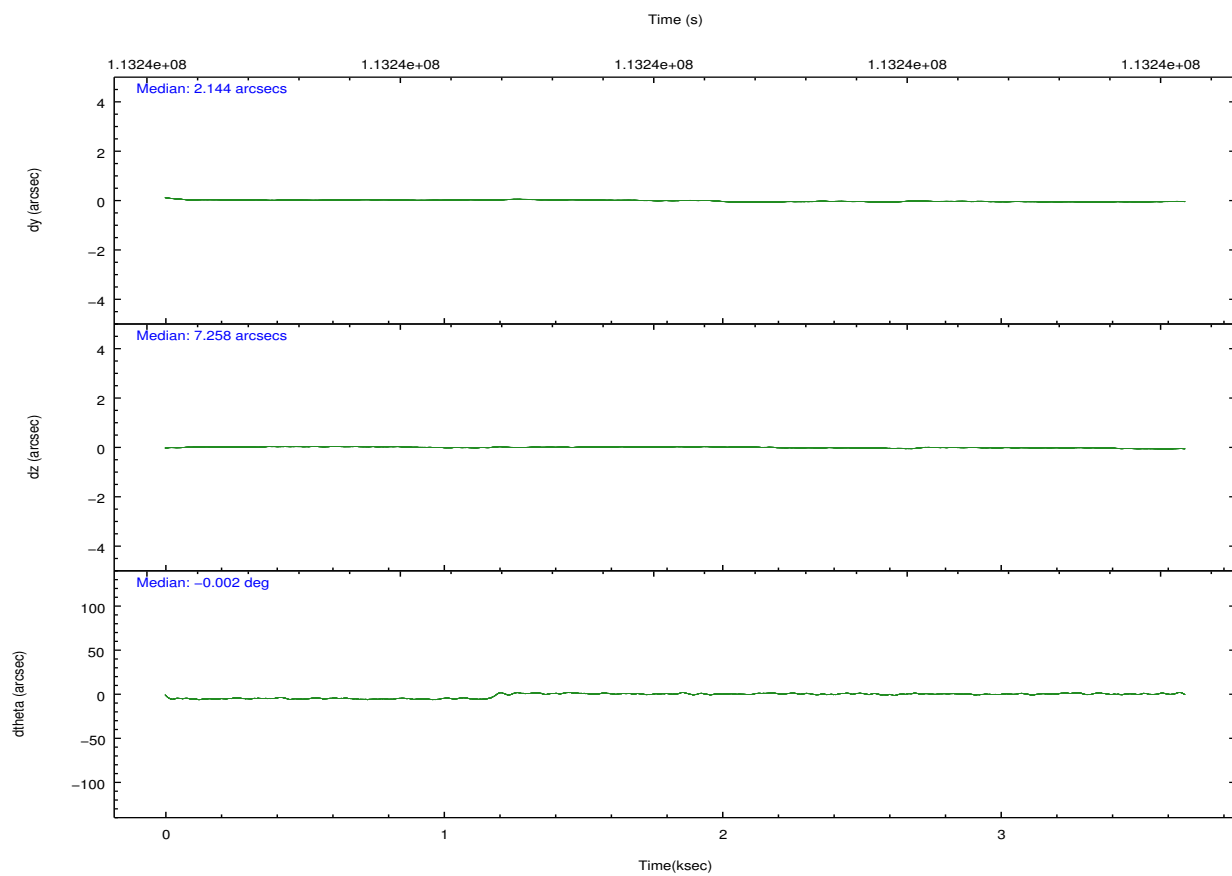
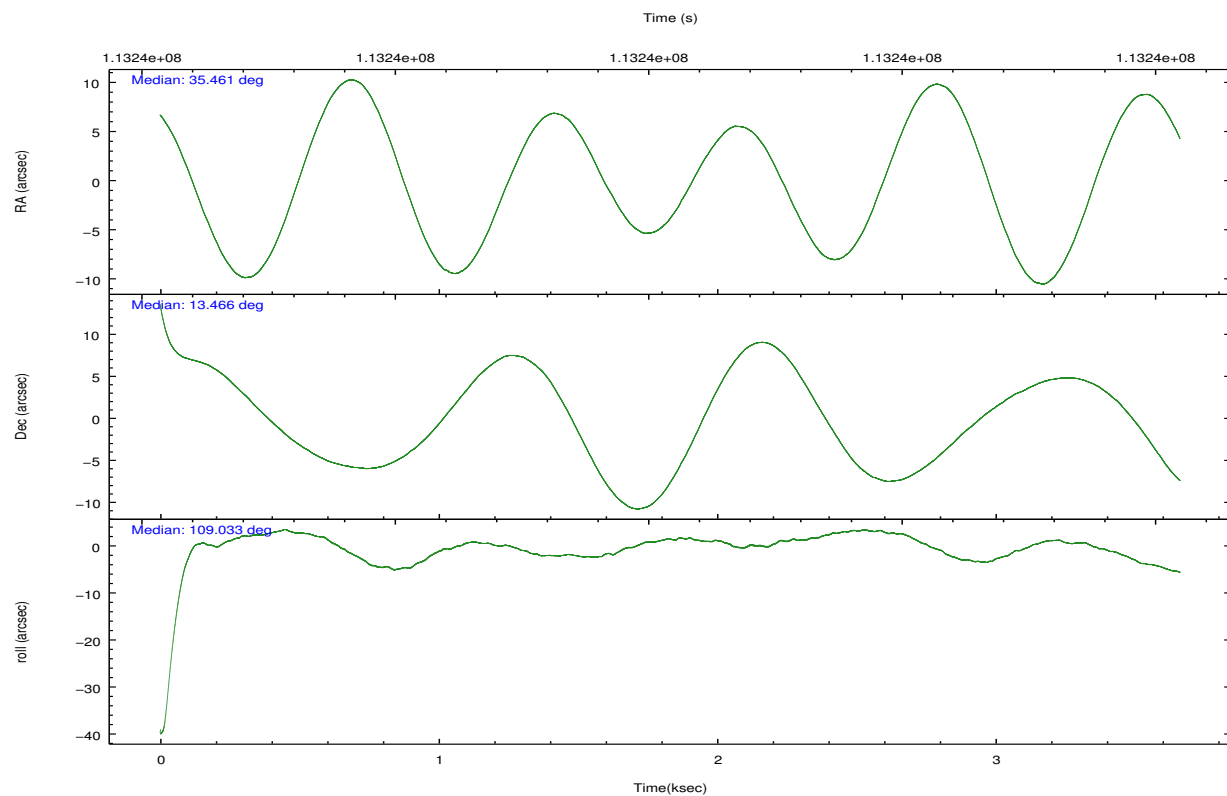
	ccd 3
grade 0 events	390
	4%
grade 1 events	4
	0%
grade 2 events	147
	1%
grade 3 events	146
	1%
grade 4 events	129
	1%
grade 5 events	257
	2%
grade 6 events	178
	1%
grade 7 events	8306
	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	35.482499	35.46116459671044	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	13.448141	13.46624877745433	Subarray start row	769	769
[deg] Pointing Roll	108.819504	109.0330462442714	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	113237616.184000	113236544.33293			
Observation start date	2001-08-03T14:52:32	2001-08-03T14:35:44			
[s] Observation end time (MET)	113240916.184000	113241537.62063			
Observation end date	2001-08-03T15:47:32	2001-08-03T15:58:57			
Read mode	TIMED	TIMED			

2.3 Aspect



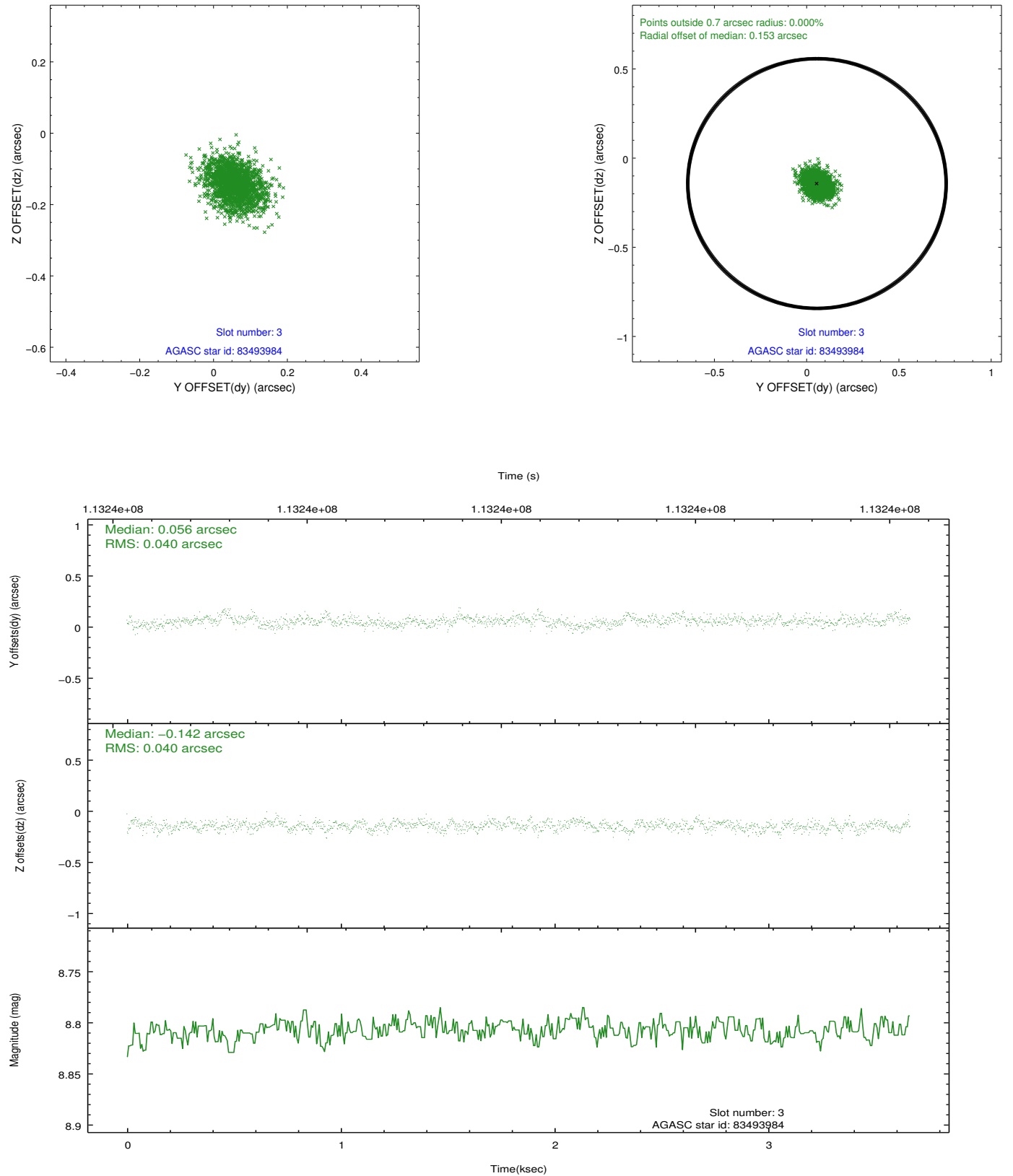


Slot Statistics

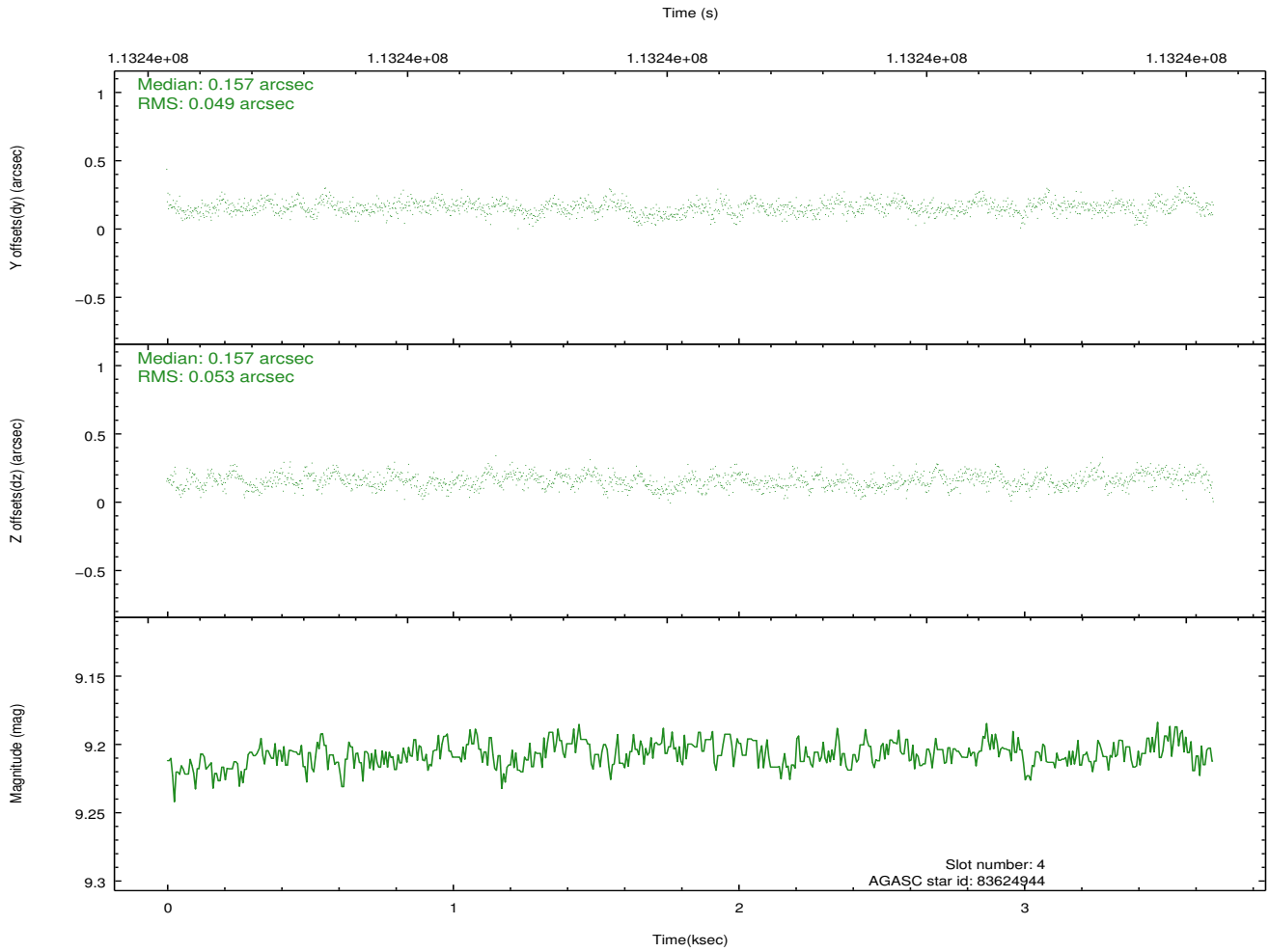
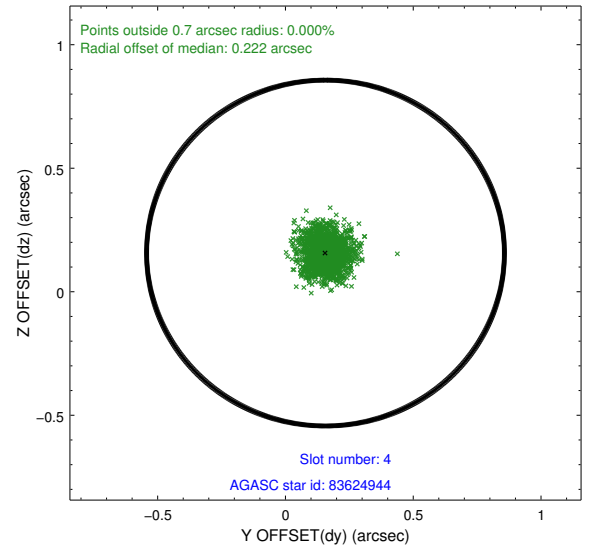
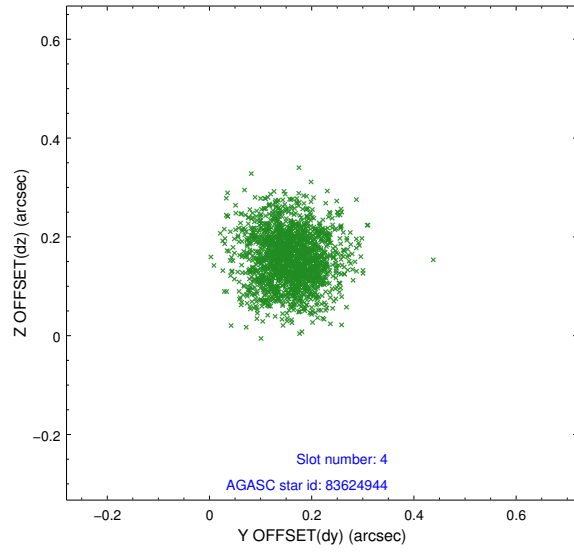
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	894	-0.036	-0.061	0.018	0.028	0.000000	0.000000	-756.54	-837.08
1	FID	ACIS-I-4	7.20	894	0.014	0.045	0.011	0.017	0.000000	0.000000	2156.81	1068.33
2	FID	ACIS-I-5	7.23	894	-0.081	0.083	0.021	0.035	0.000000	0.000000	-1808.18	1068.19
3	GUIDE	83493984	8.81	1787	0.056	-0.142	0.059	0.099	35.548684	13.181335	-984.40	90.54
4	GUIDE	83624944	9.21	1786	0.157	0.157	0.077	0.125	36.137433	13.017339	-2207.17	-1674.57
5	GUIDE	83495720	9.57	1788	-0.082	0.059	0.081	0.131	35.370468	13.935538	1785.41	-195.92
6	GUIDE	83495760	9.77	1785	-0.142	-0.149	0.087	0.142	35.323302	13.803368	1390.55	114.45
7	GUIDE	83494176	9.97	1786	0.015	0.075	0.111	0.191	35.546845	13.638236	575.49	-433.23

2.4 Star Slots

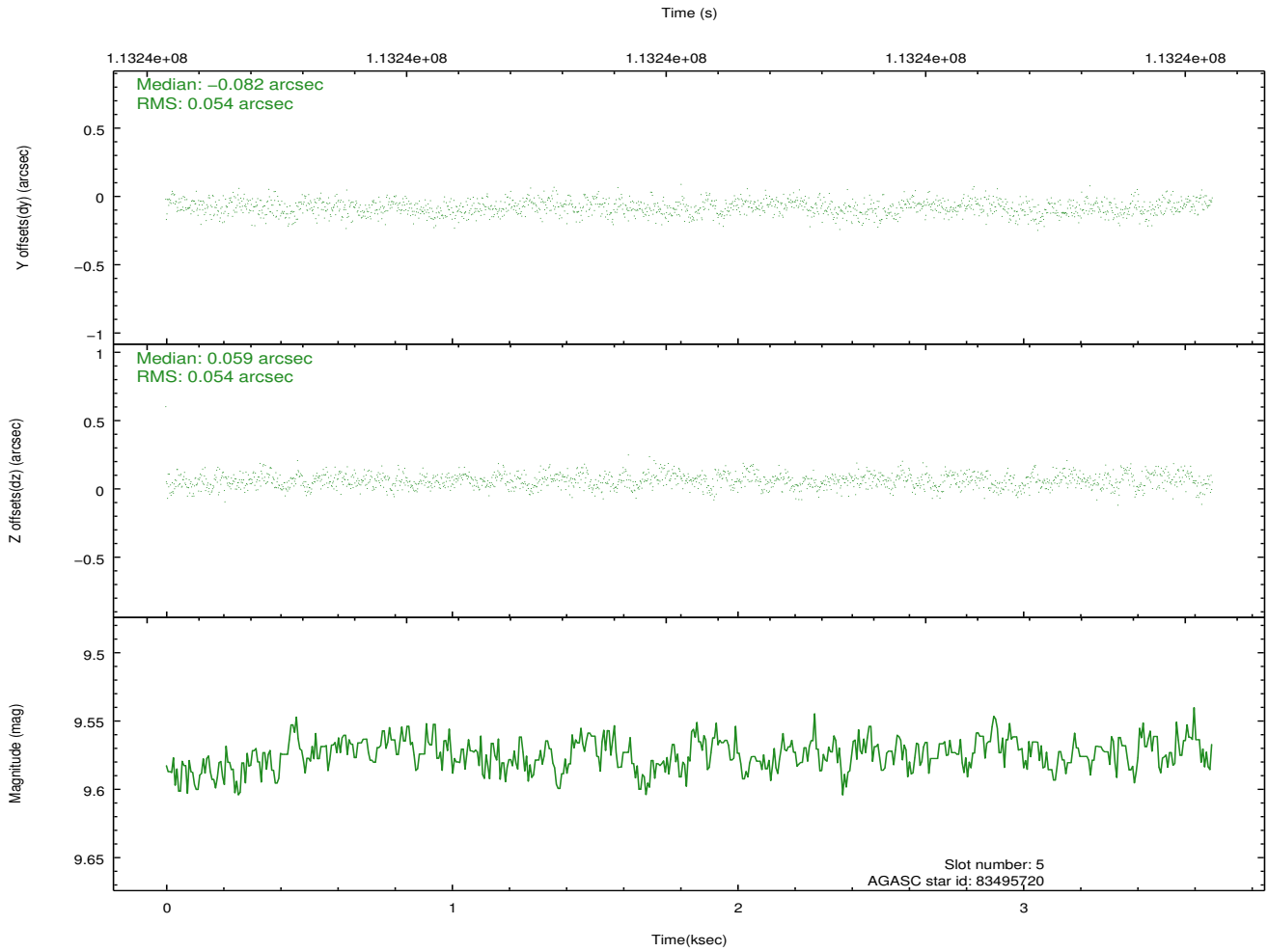
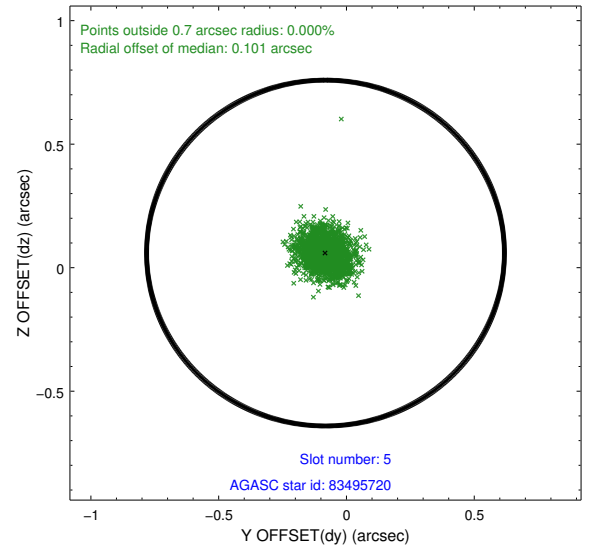
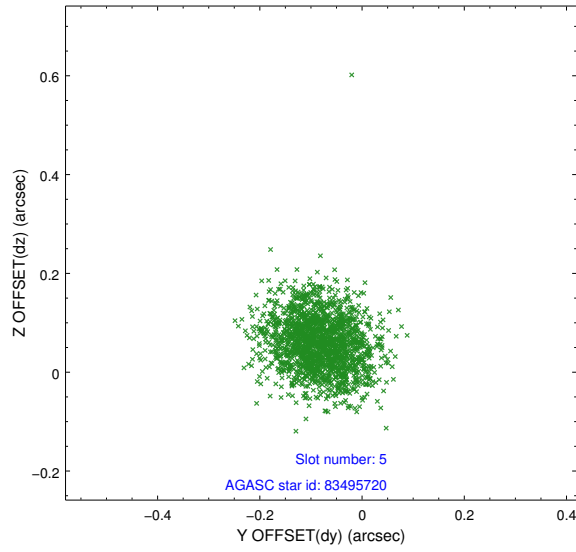
2.4.1 Slot 3



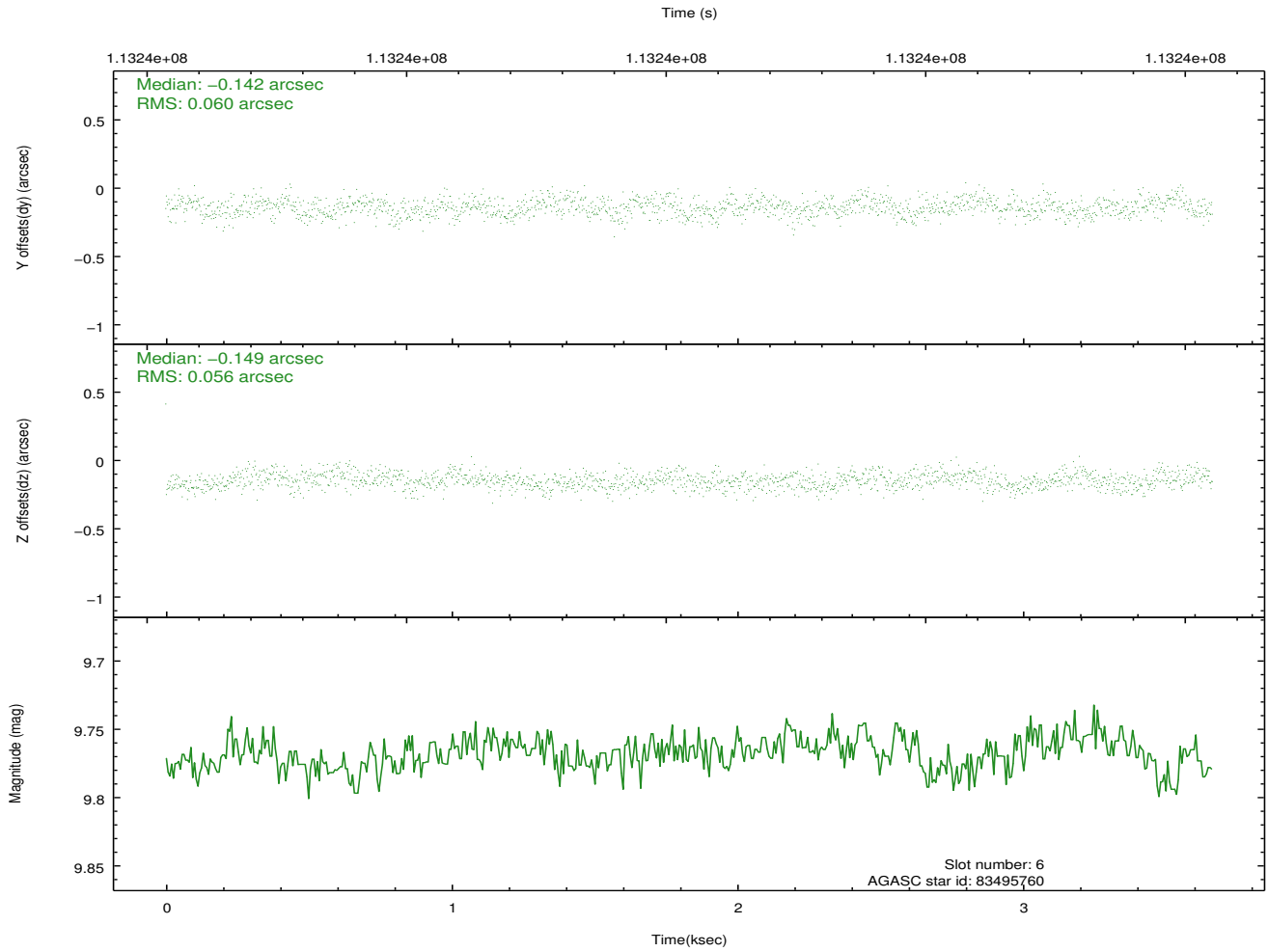
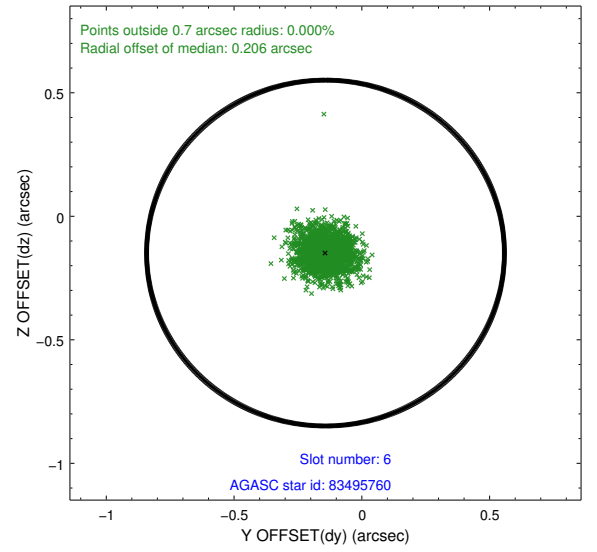
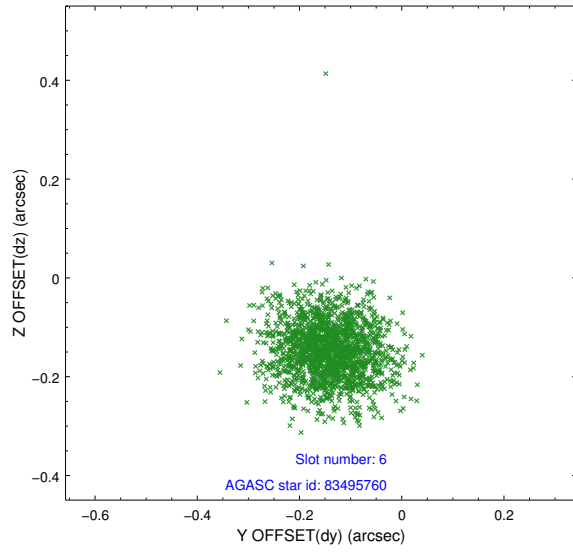
2.4.2 Slot 4



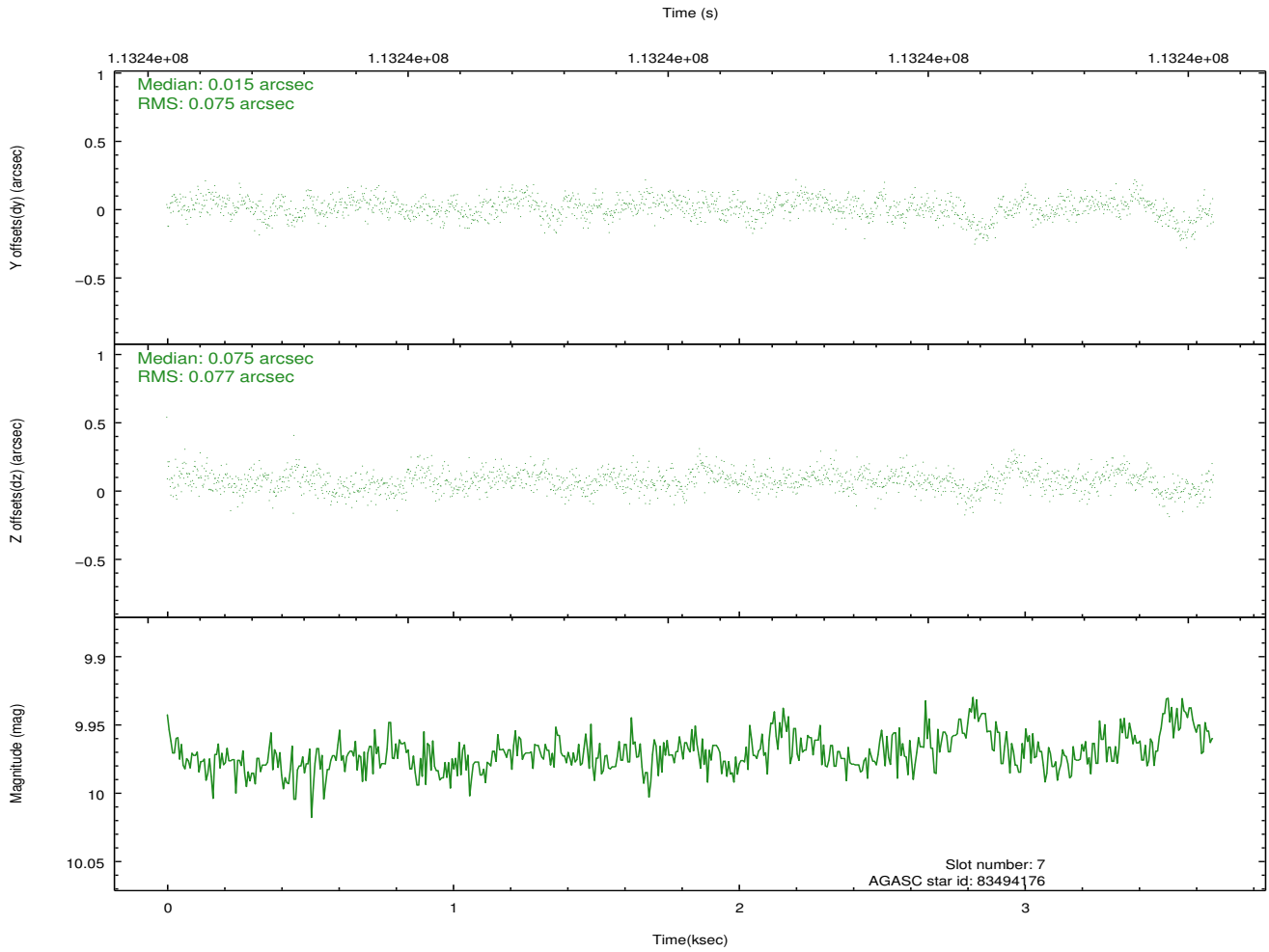
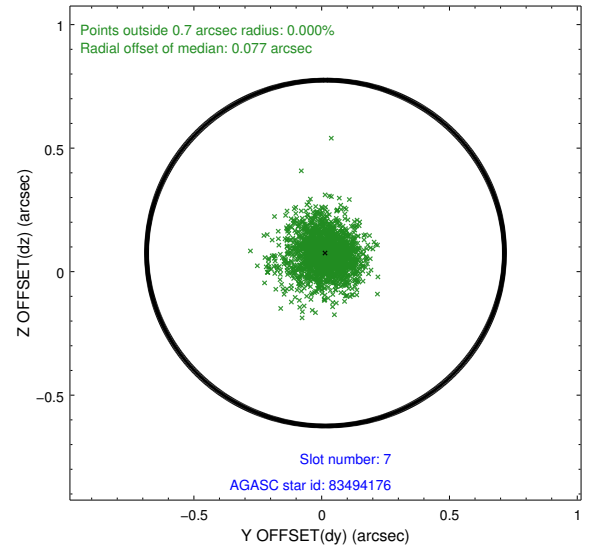
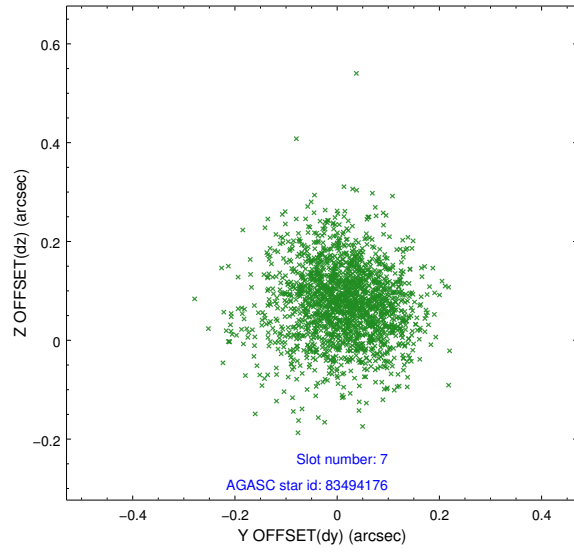
2.4.3 Slot 5



2.4.4 Slot 6

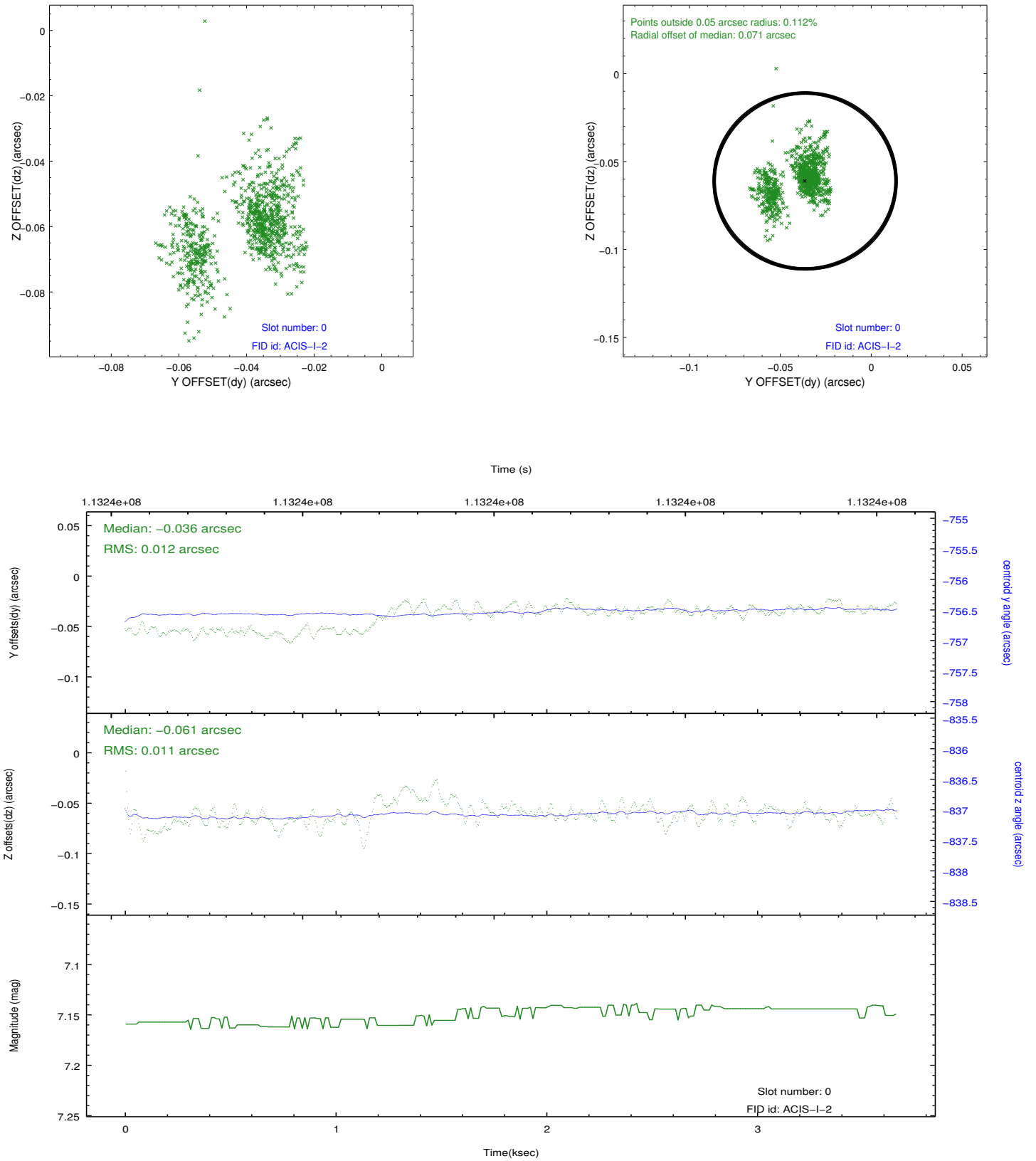


2.4.5 Slot 7

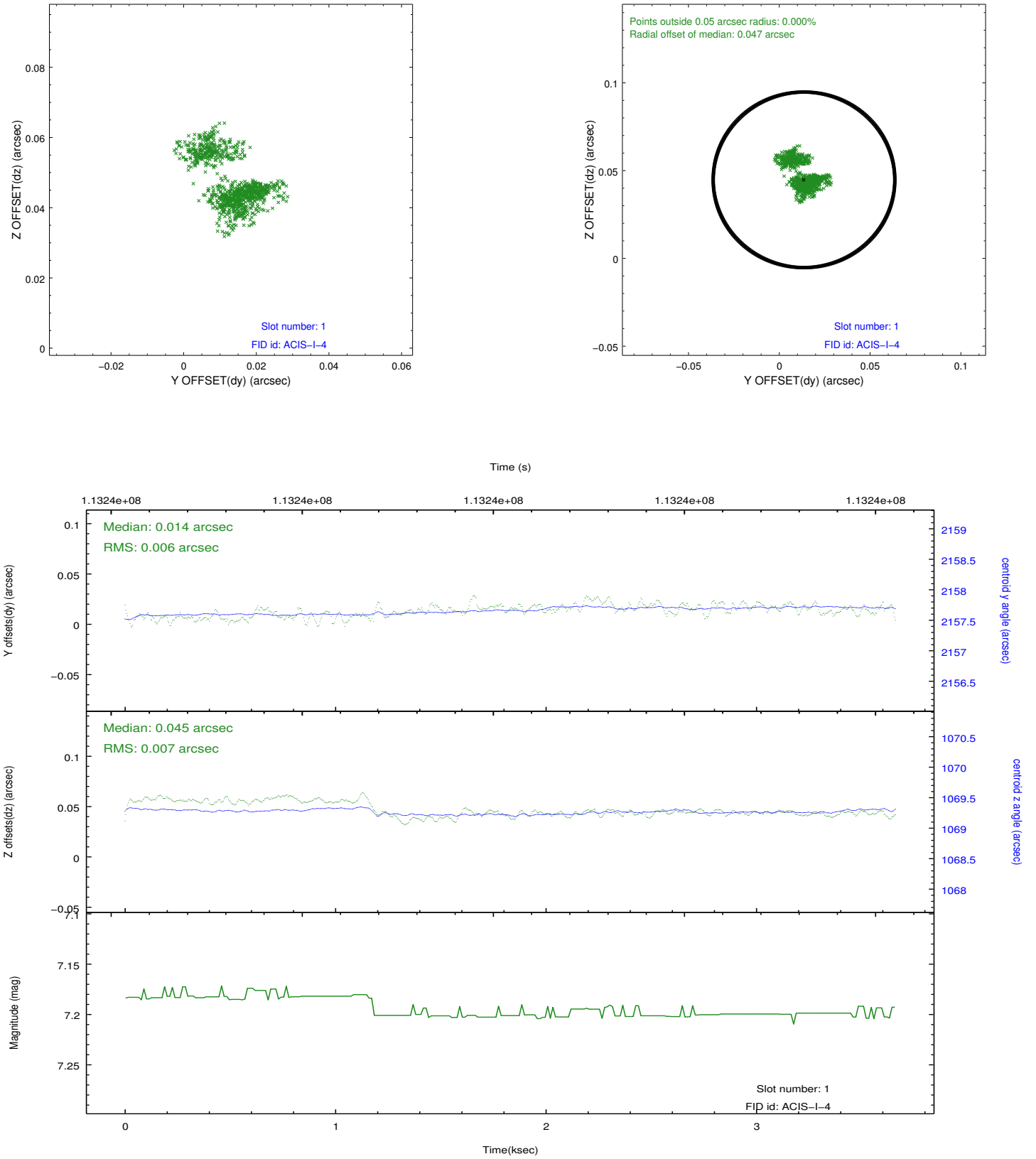


2.5 FID Slots

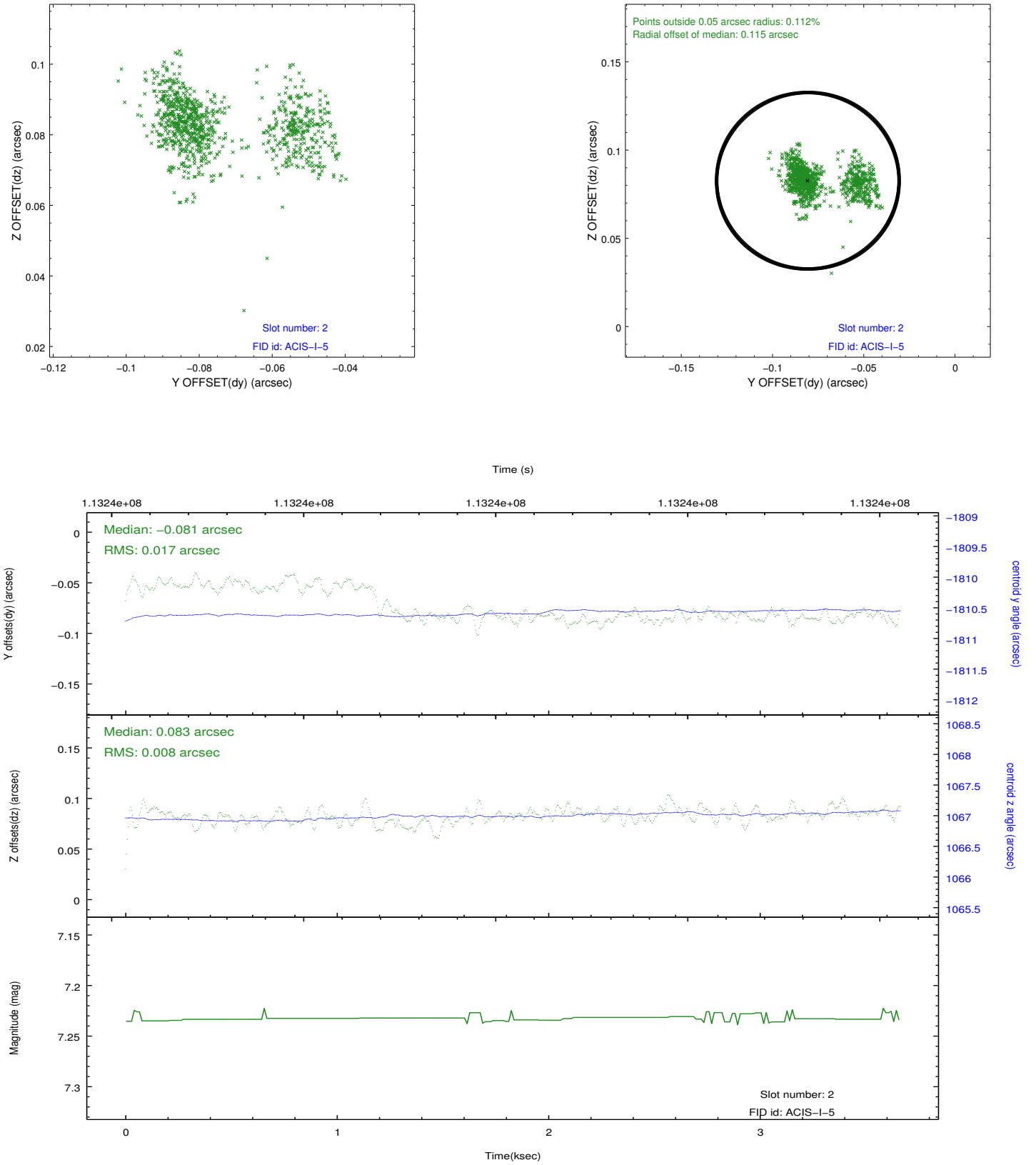
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.662

A.2 Comments