

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10783 - L2 Version 2
Chandra X-Ray Center

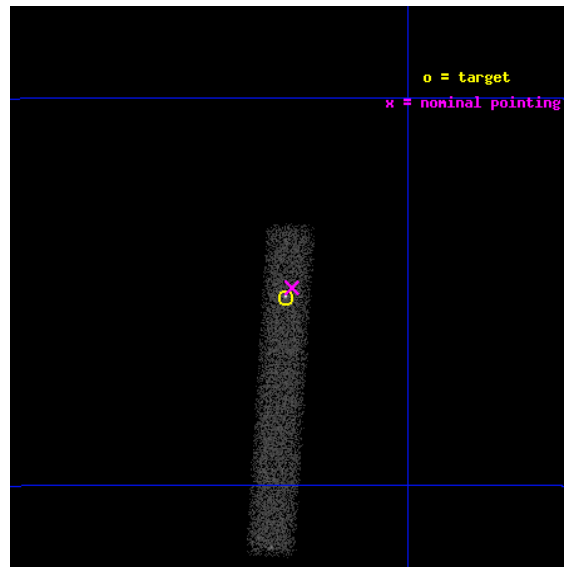
L2 Processing Date : May 22 2012

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1 Front

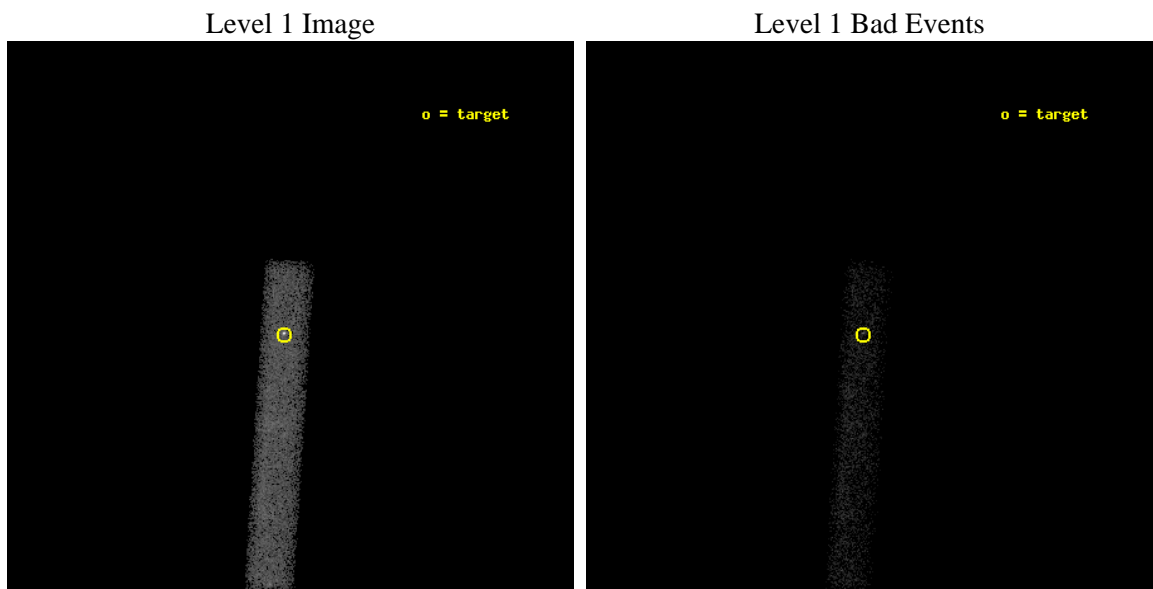
seq_num	400921	Sequence number
obs_id	10783	Observation id
title	Quasi-persistent neutron-star X-ray binaries in quiescence	Proposa
observer	Dr. Rudy Wijnands	Principal investigator
object	EXO 0748-676	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	117.140833	Observer's specified target RA [deg]
dec_targ	-67.7524	Observer's specified target Dec [deg]
ra_nom	117.13348530964	Nominal RA [deg]
dec_nom	-67.748490983684	Nominal Dec [deg]
roll_nom	93.649790369044	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14650.799126744	Sum of GTIs [s]
livetime	13287.501475371	Livetime [s]
ontime7	14650.799126744	Sum of GTIs [s]
l2events	15336	Number of level 2 events



2 OBI

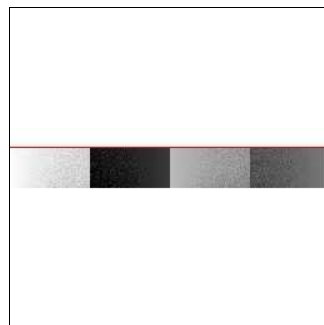
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14506.297000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14650.799126744	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	14650.799126744	Sum of GTIs [s]
date	2012-05-22T22:03:40	Date and time of file creation	l1events	31925	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	31925
rejected events	16130
rejected %	50%

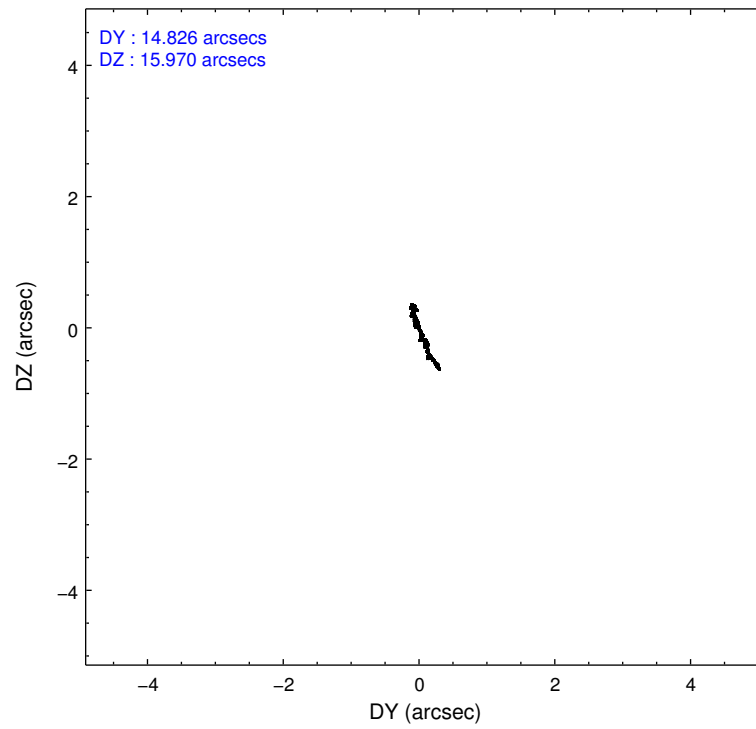
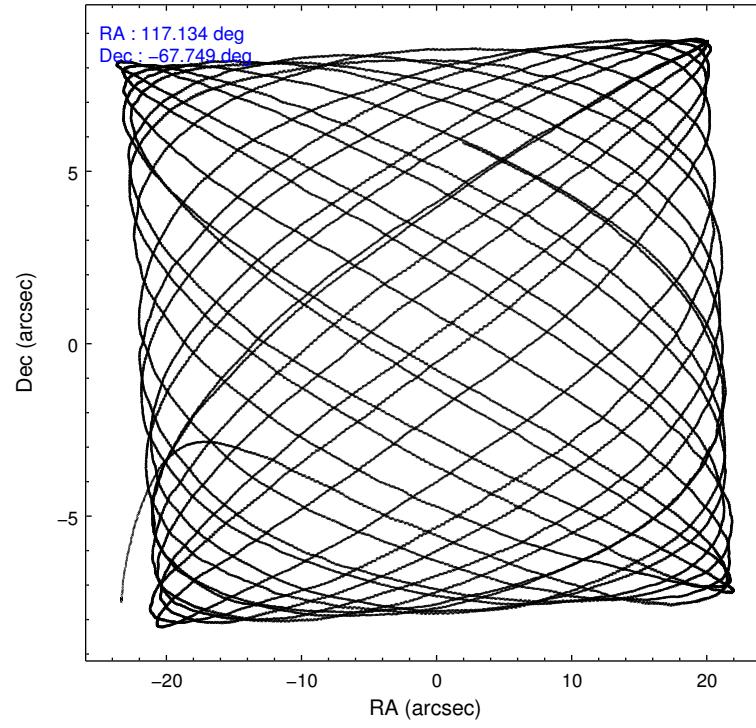
	ccd 7
grade 0 events	2387
	7%
grade 1 events	44
	0%
grade 2 events	3498
	10%
grade 3 events	2041
	6%
grade 4 events	1975
	6%
grade 5 events	2633
	8%
grade 6 events	6770
	21%
grade 7 events	12577
	39%

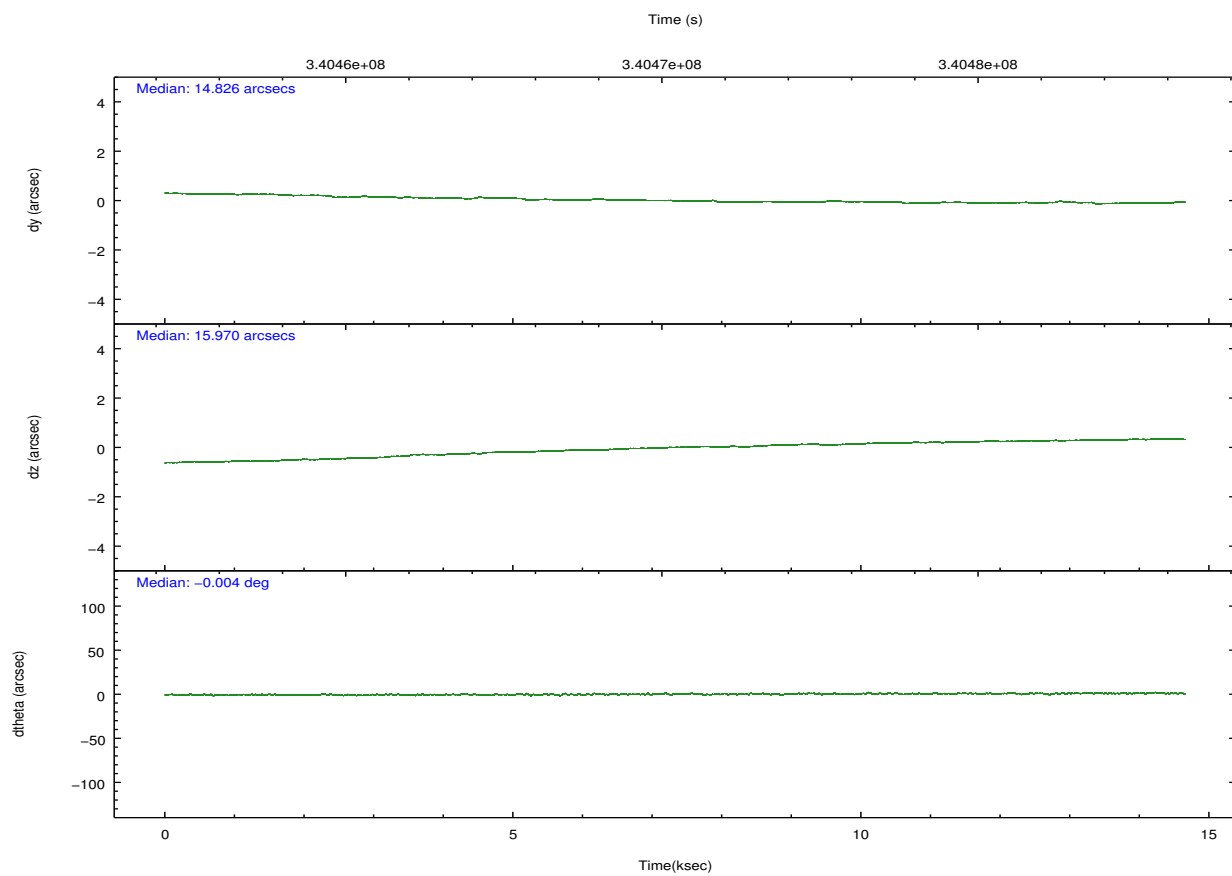
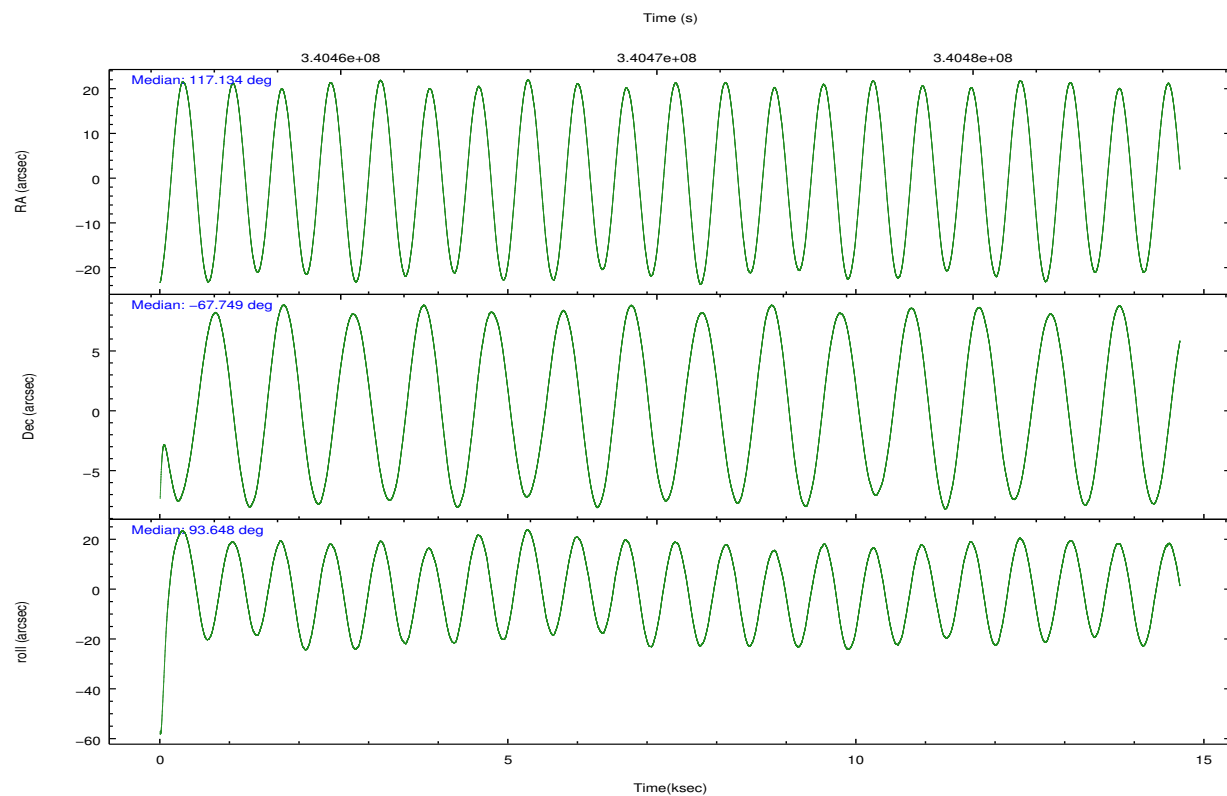
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	117.174298	117.1334853096365
[deg] Pointing Dec	-67.771001	-67.74849098368416
[deg] Pointing Roll	93.530979	93.64979036904384
[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)	340463031.184000	340461936.8047
Observation start date	2008-10-15T13:02:46	2008-10-15T12:45:36
[s] Observation end time (MET)	340477537.184000	340477990.86799
Observation end date	2008-10-15T17:04:32	2008-10-15T17:13:10
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



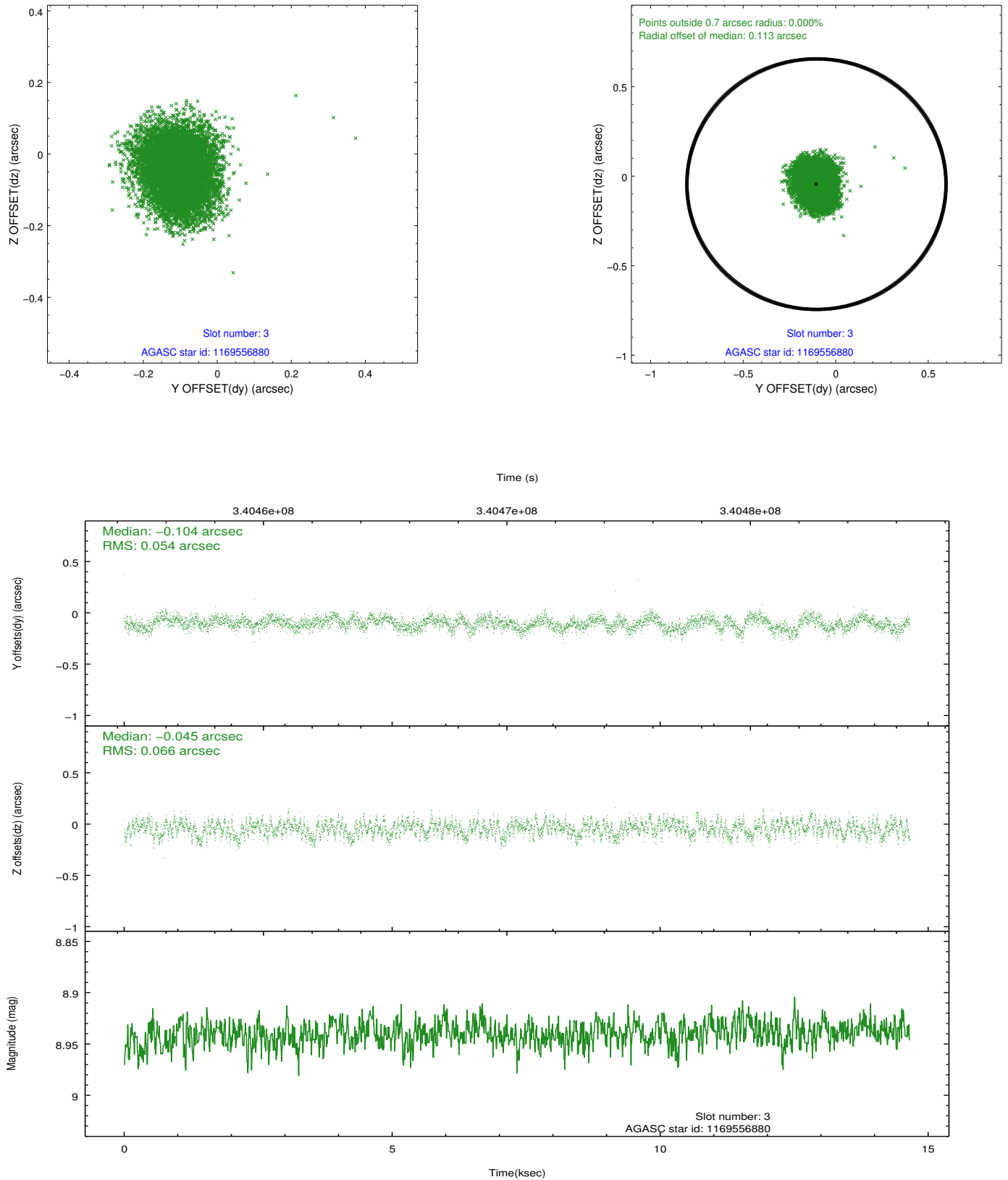


Slot Statistics

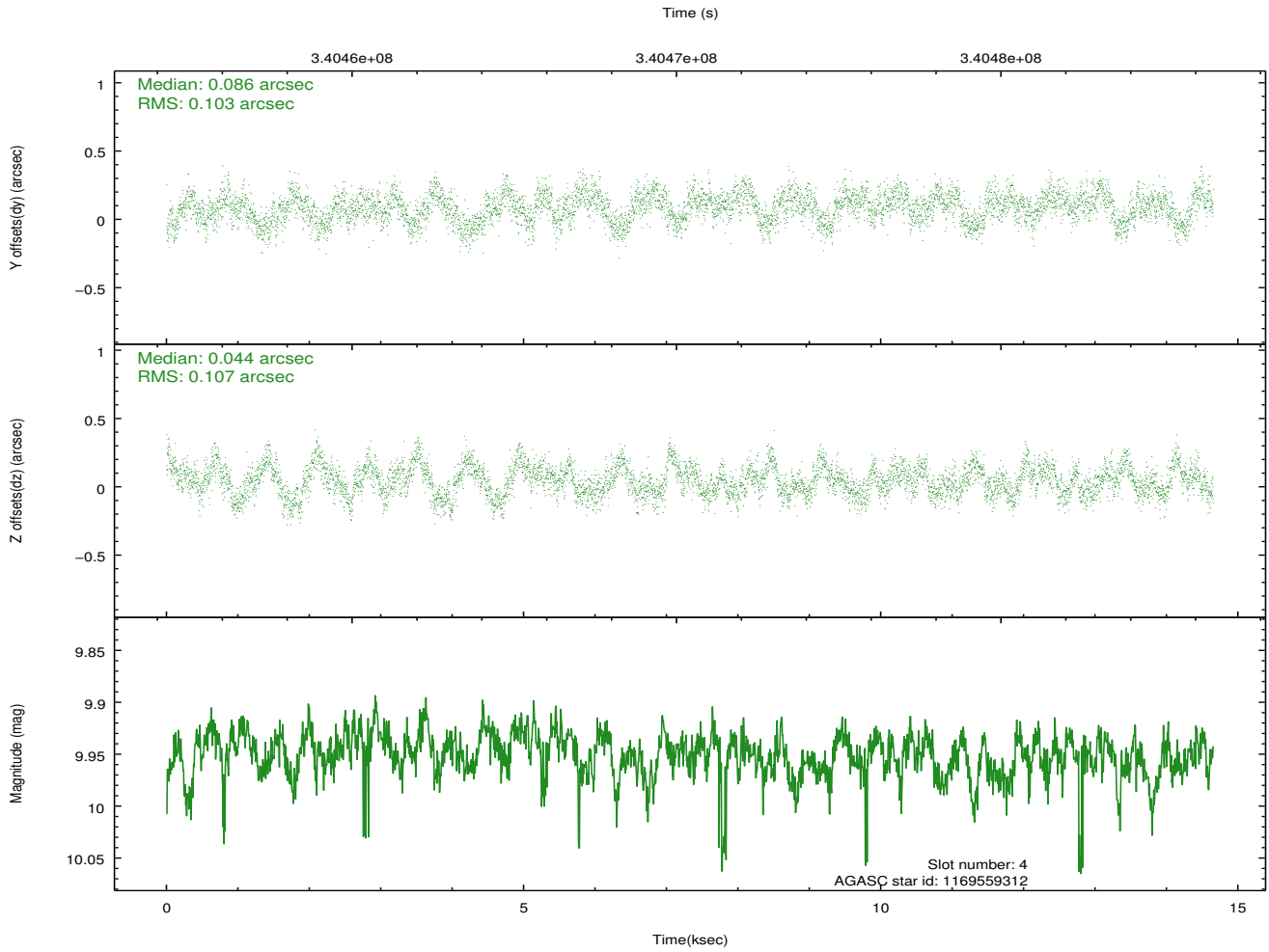
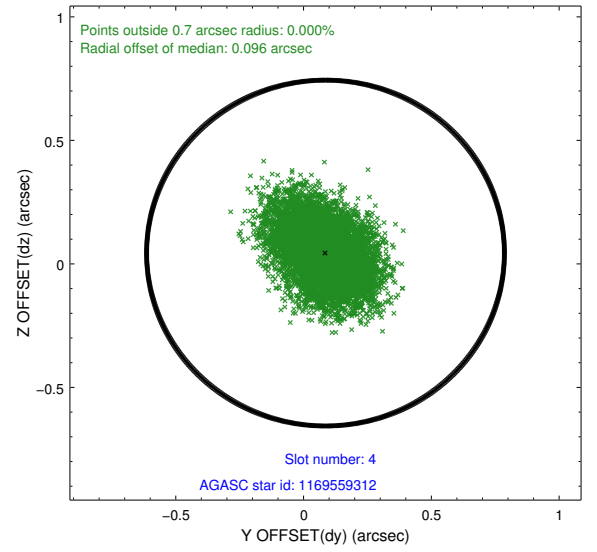
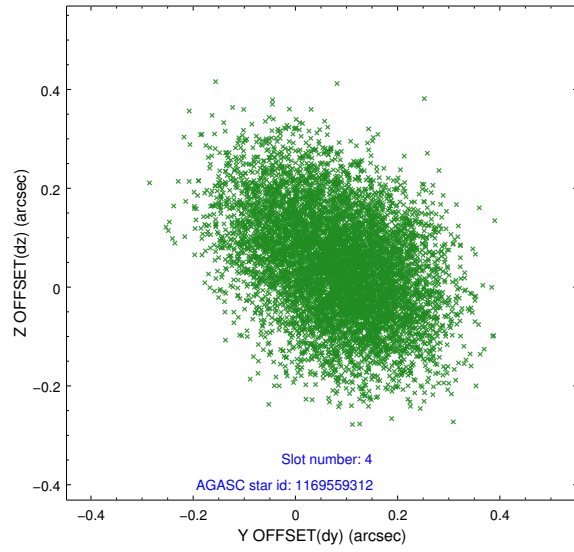
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	3574	-0.028	-0.022	0.009	0.014	0.000000	0.000000	-767.86	-1737.32
1	FID	ACIS-S-5	6.99	3574	-0.093	-0.030	0.010	0.016	0.000000	0.000000	-1821.17	164.32
2	FID	ACIS-S-6	7.10	3574	0.095	0.060	0.009	0.014	0.000000	0.000000	393.55	808.66
3	GUIDE	1169556880	8.94	7142	-0.104	-0.045	0.092	0.147	118.476472	-67.455164	1006.11	-1862.53
4	GUIDE	1169559312	9.95	7134	0.086	0.044	0.160	0.256	117.264973	-67.339053	1544.66	-220.84
5	GUIDE	1203258824	9.86	7133	-0.037	0.086	0.135	0.218	118.613315	-67.511932	786.89	-2033.12
6	GUIDE	1203245384	8.54	7147	-0.023	-0.023	0.079	0.123	117.096059	-68.354351	-2088.94	233.01
7	GUIDE	1203248984	9.66	7129	0.088	-0.059	0.134	0.208	117.212023	-68.341440	-2052.19	76.26

2.4 Star Slots

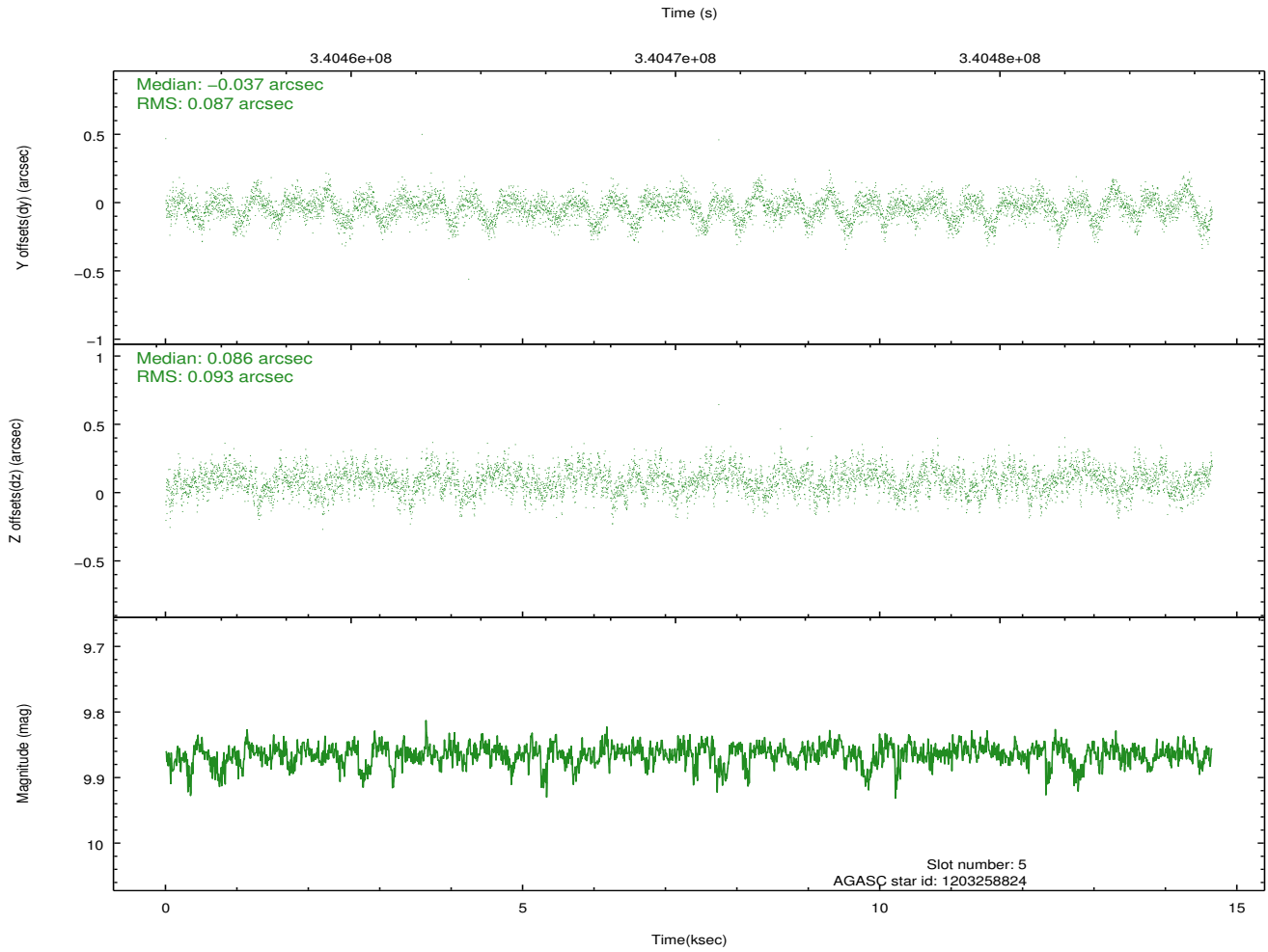
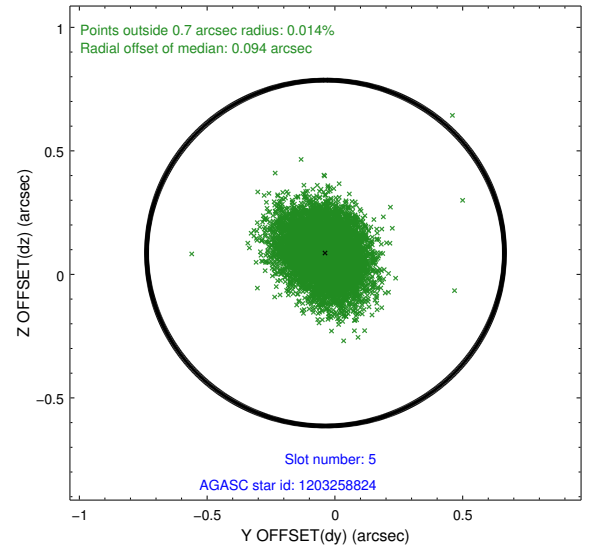
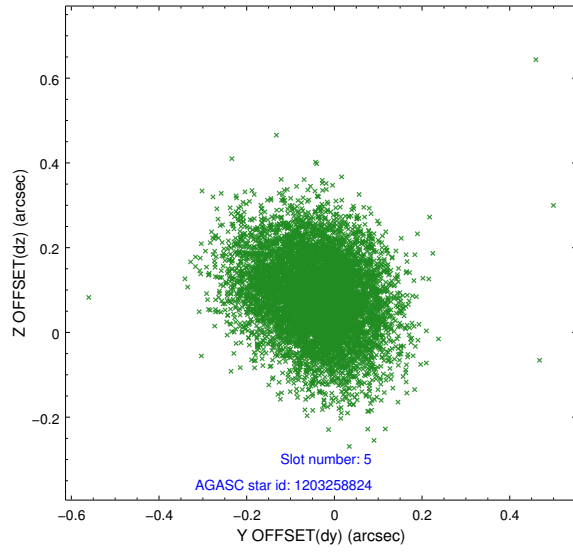
2.4.1 Slot 3



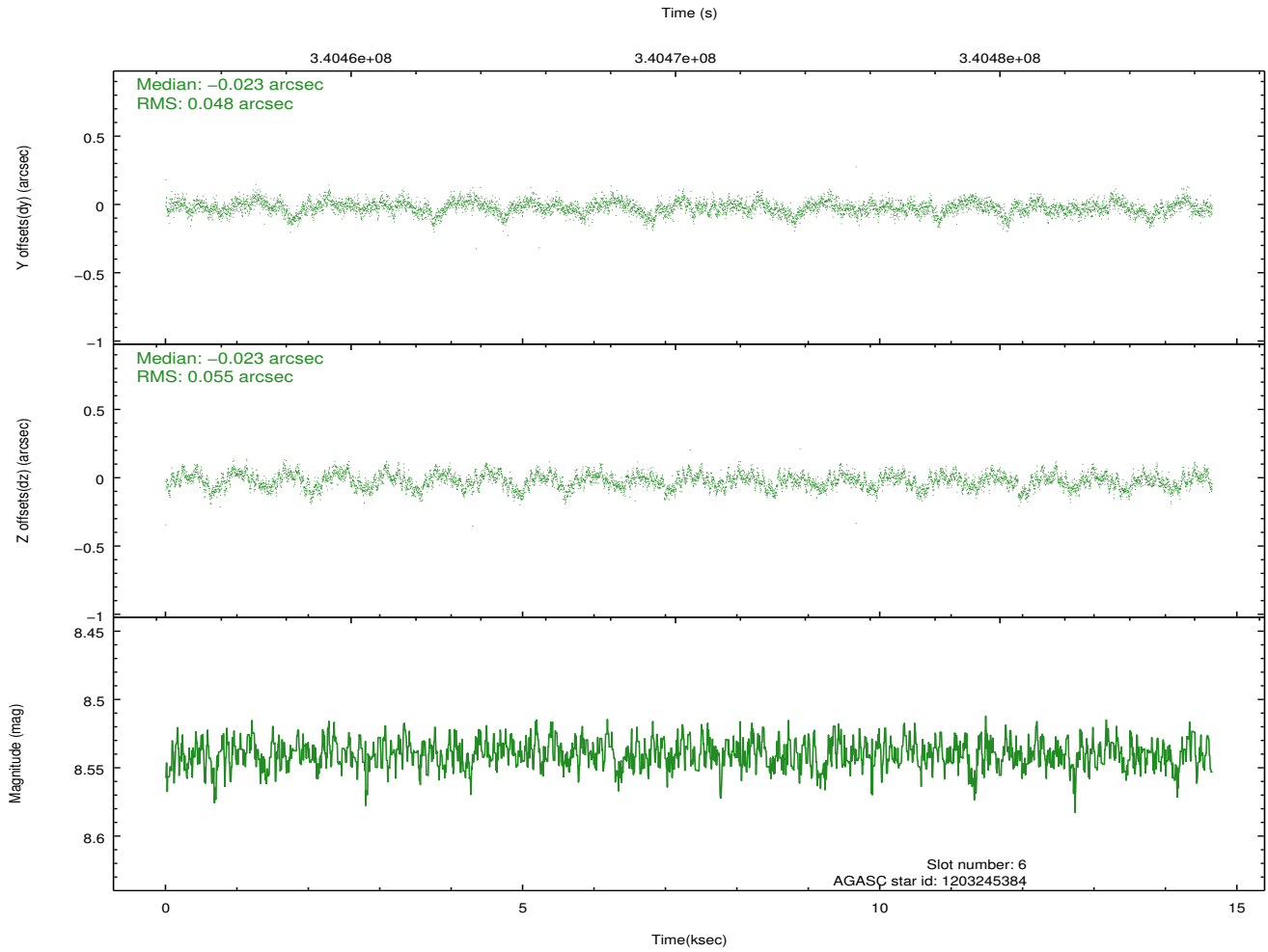
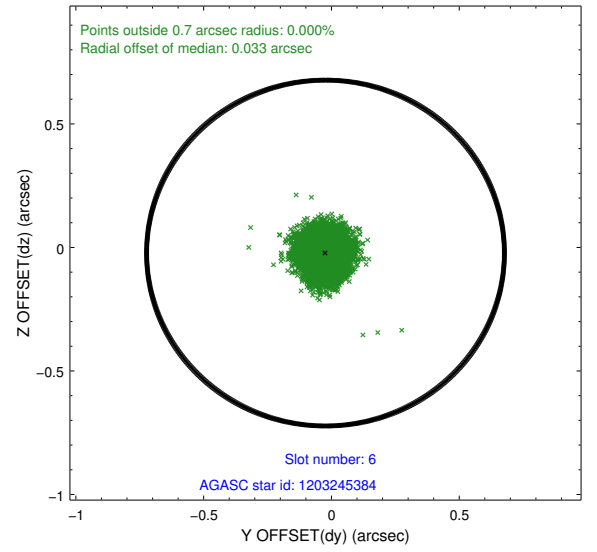
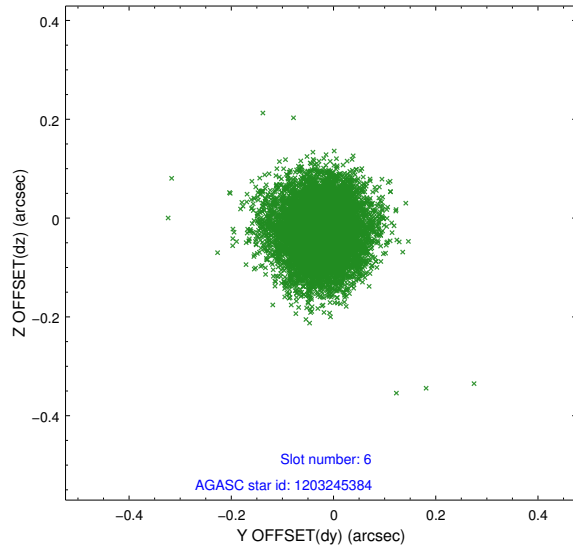
2.4.2 Slot 4



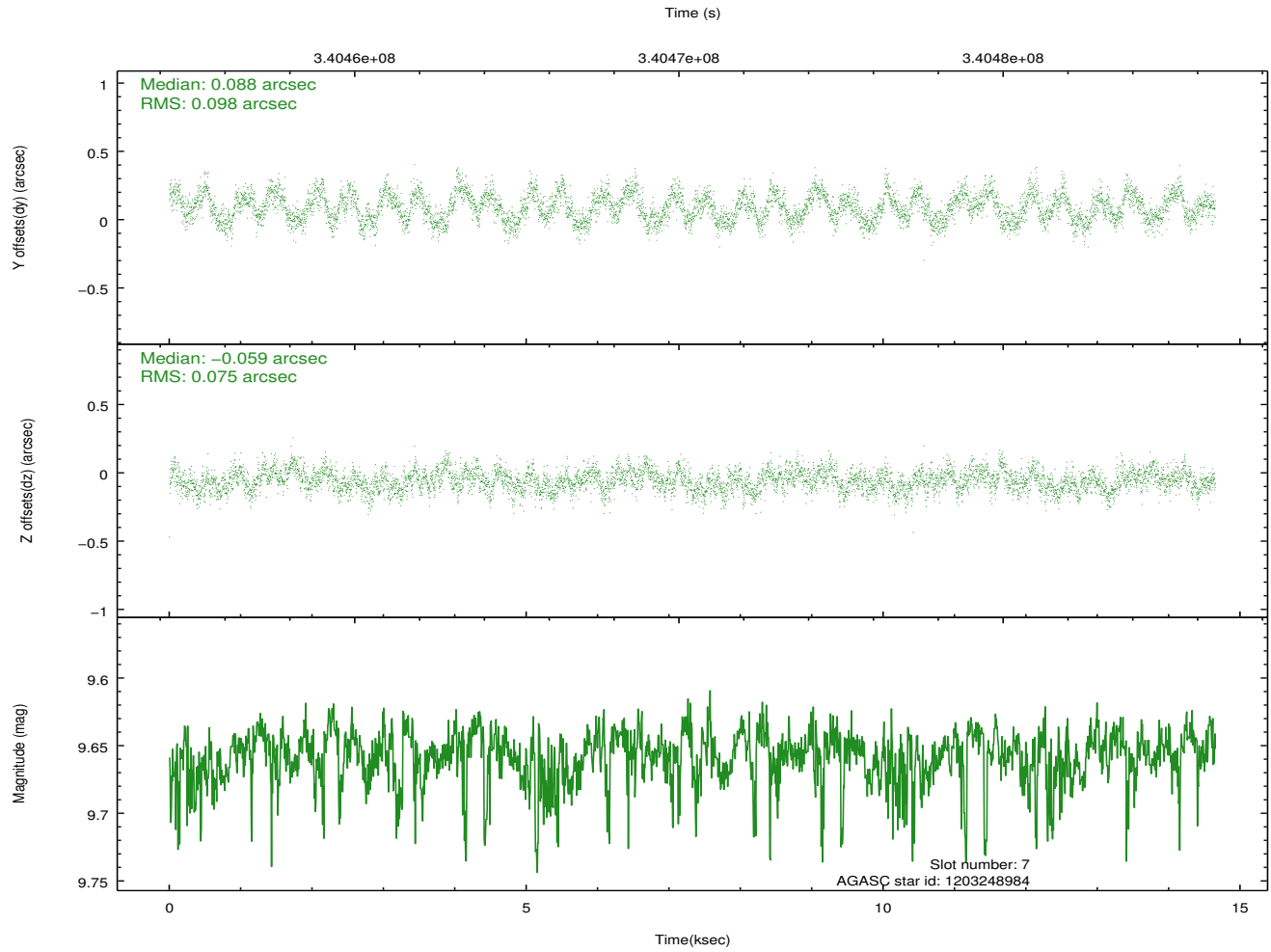
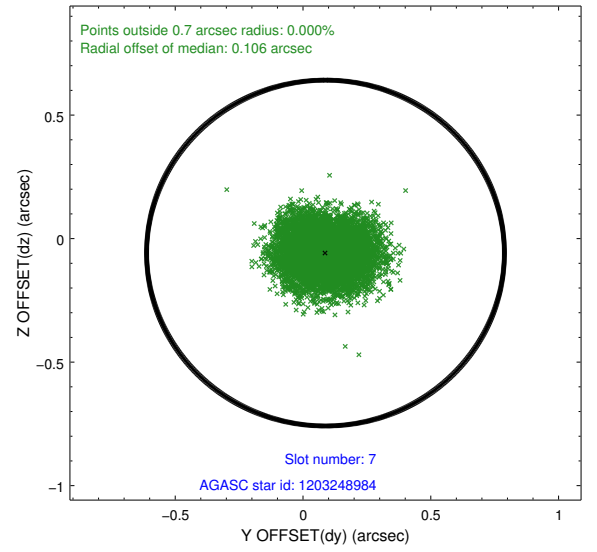
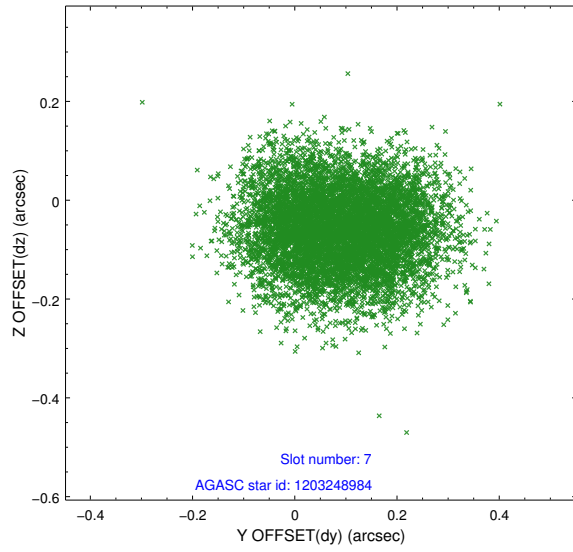
2.4.3 Slot 5



2.4.4 Slot 6

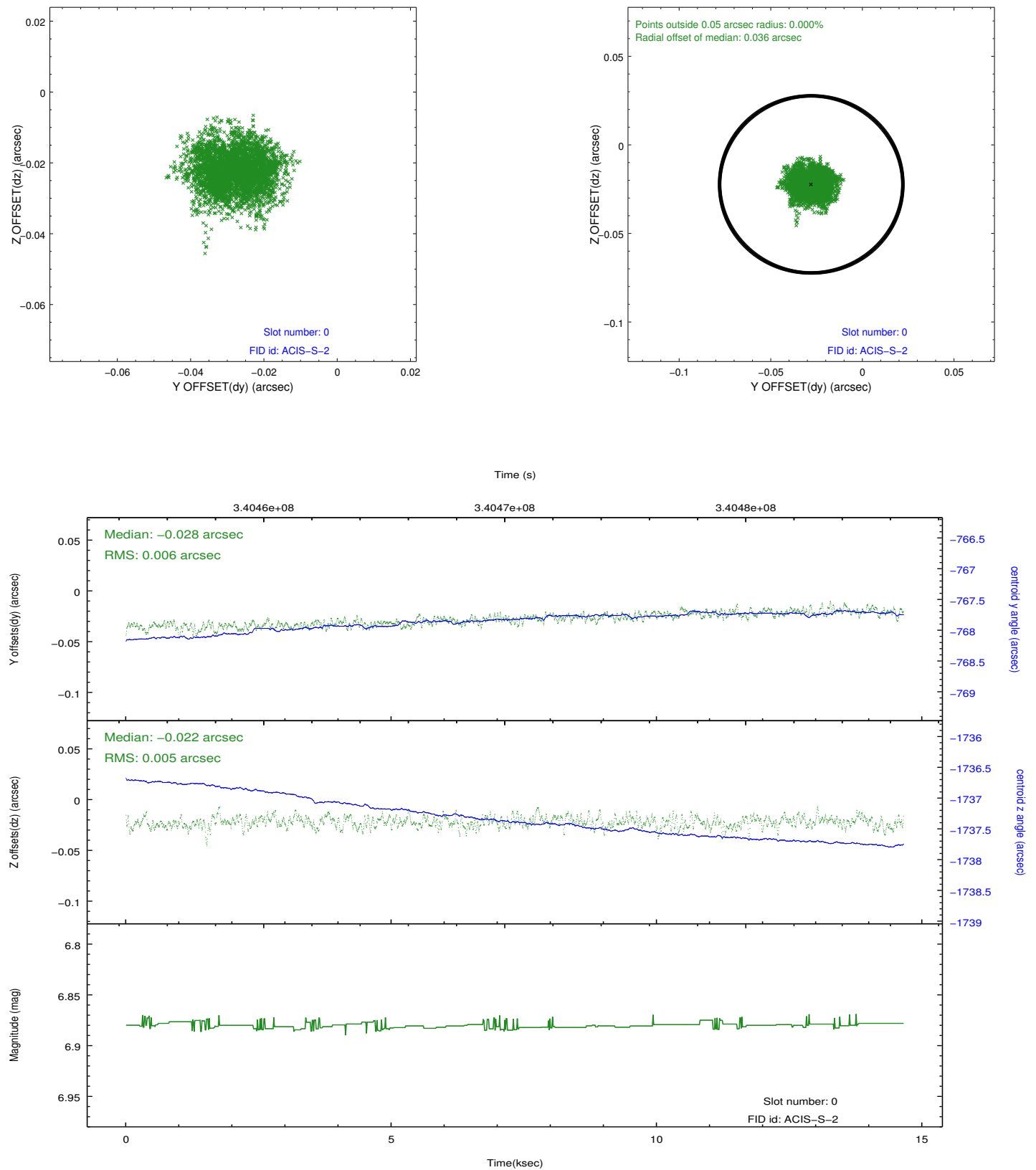


2.4.5 Slot 7

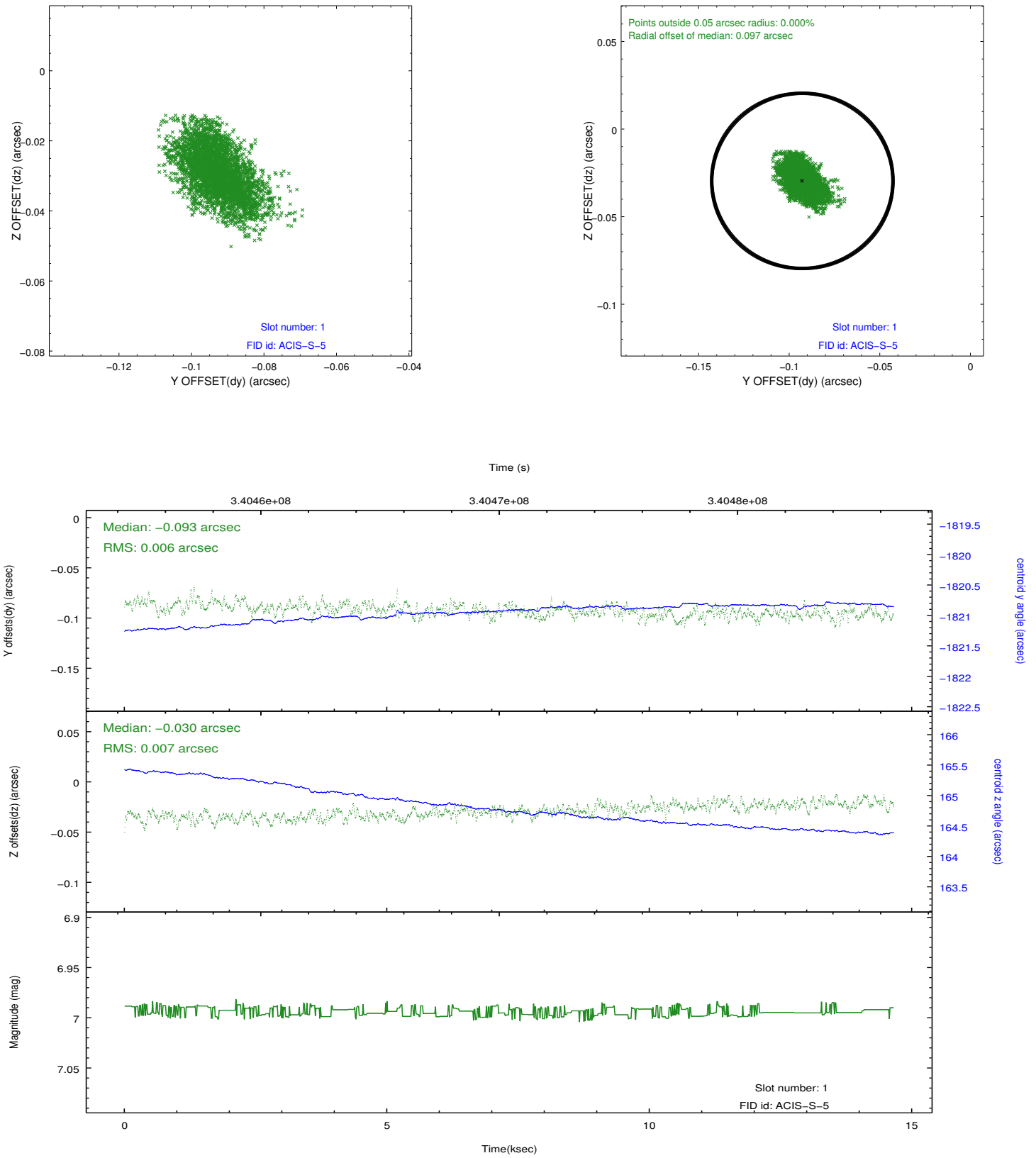


2.5 FID Slots

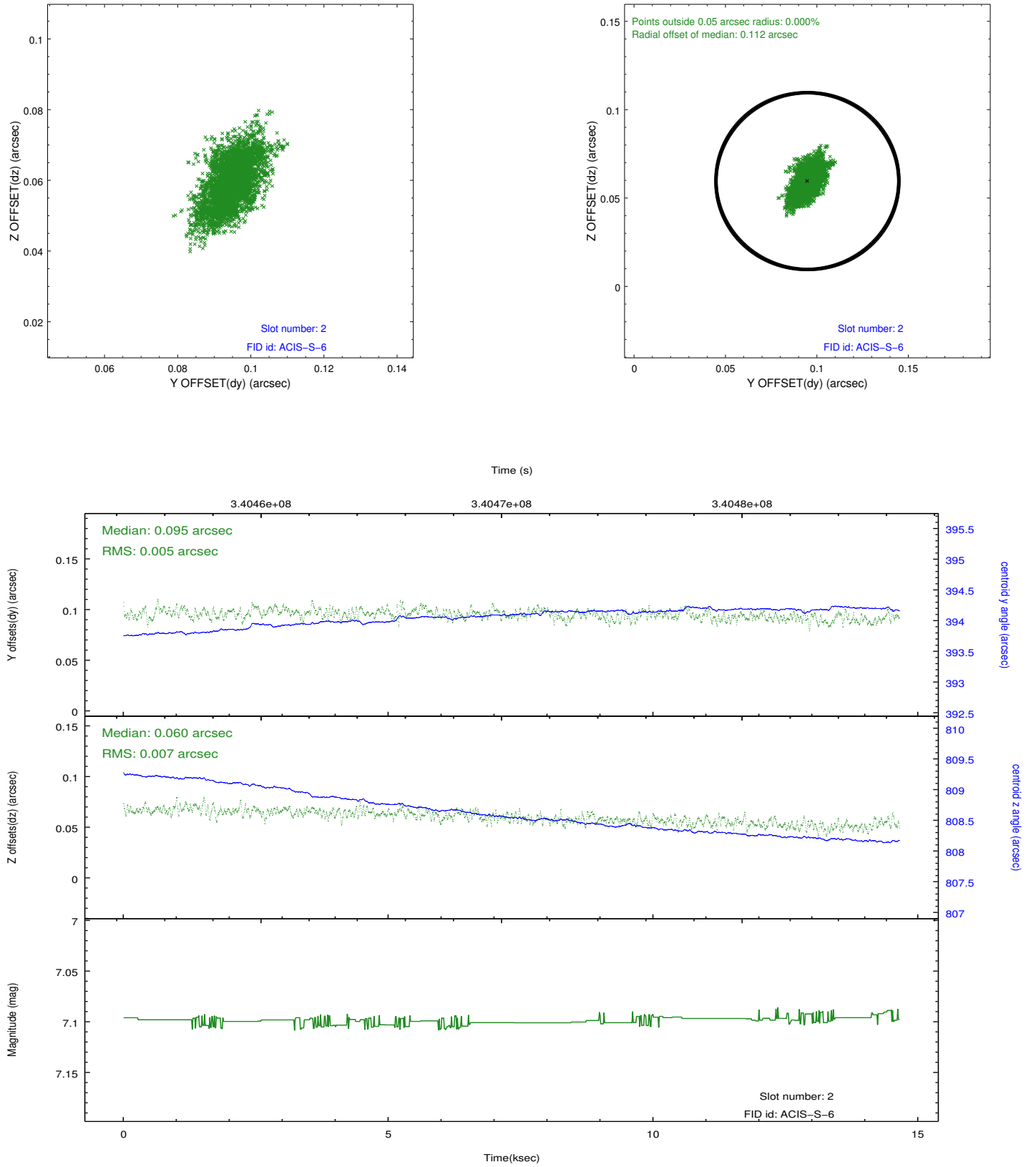
2.5.1 Slot 0



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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.6507991

A.2 Comments