

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17086 - L2 Version 1
Chandra X-Ray Center

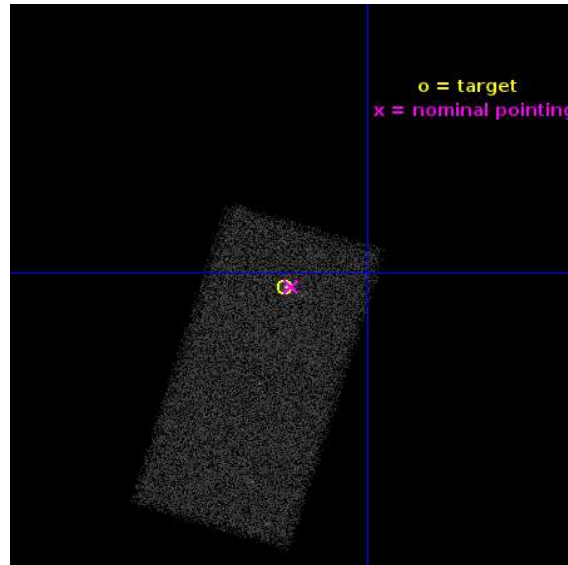
L2 Processing Date : Apr 20 2016

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1 Front

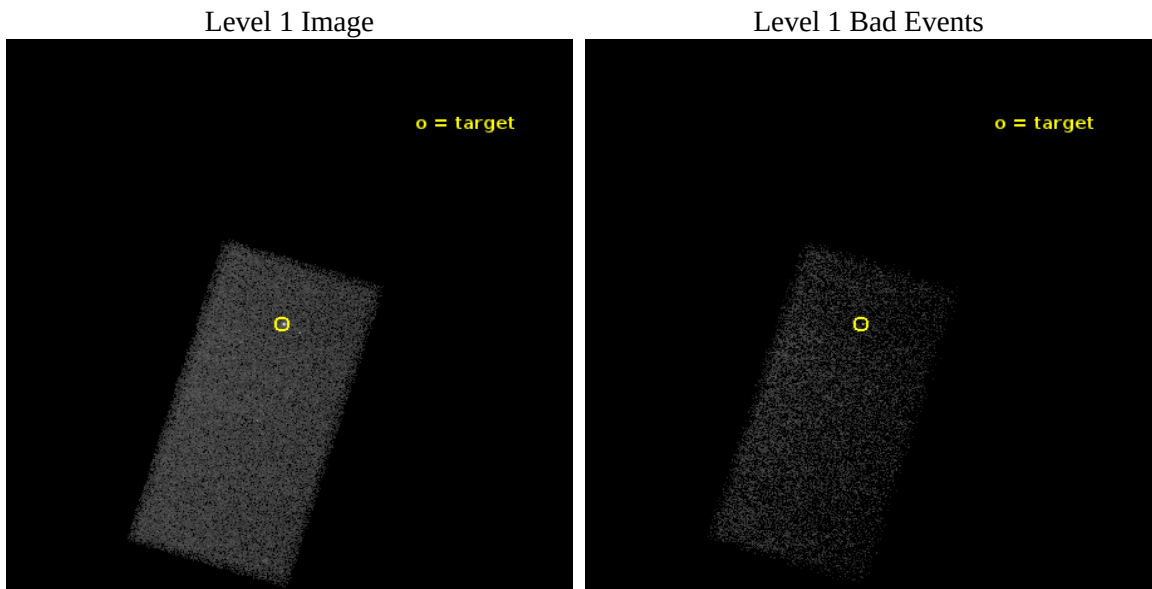
seq_num	703090	Sequence number
obs_id	17086	Observation id
title	Quasar and AGN Variability on 10-100 kyr Timescales	Proposal title
observer	Walter Maksym	Principal investigator
object	UGC 11185	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.04875	Observer's specified target RA [deg]
dec_targ	42.660361	Observer's specified target Dec [deg]
ra_nom	274.0450686151	Nominal RA [deg]
dec_nom	42.660387978862	Nominal Dec [deg]
roll_nom	107.15911853288	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23074.480955482	Sum of GTIs [s]
livetime	22459.976011799	Livetime [s]
ontime7	23074.480955482	Sum of GTIs [s]
l2events	45816	Number of level 2 events



2 OBI

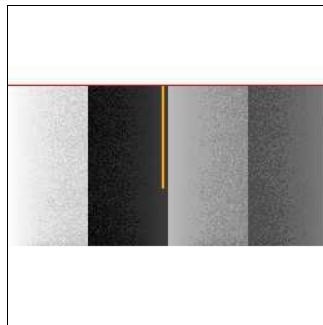
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	23074.480955482	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	23074.480955482	Sum of GTIs [s]
date	2016-04-20T15:53:26	Date and time of file creation	l1events	98402	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

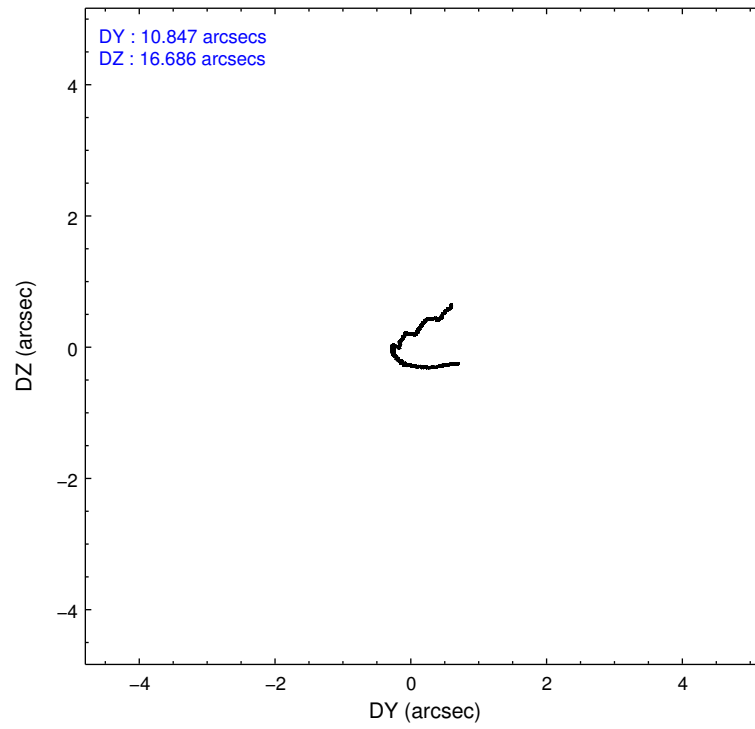
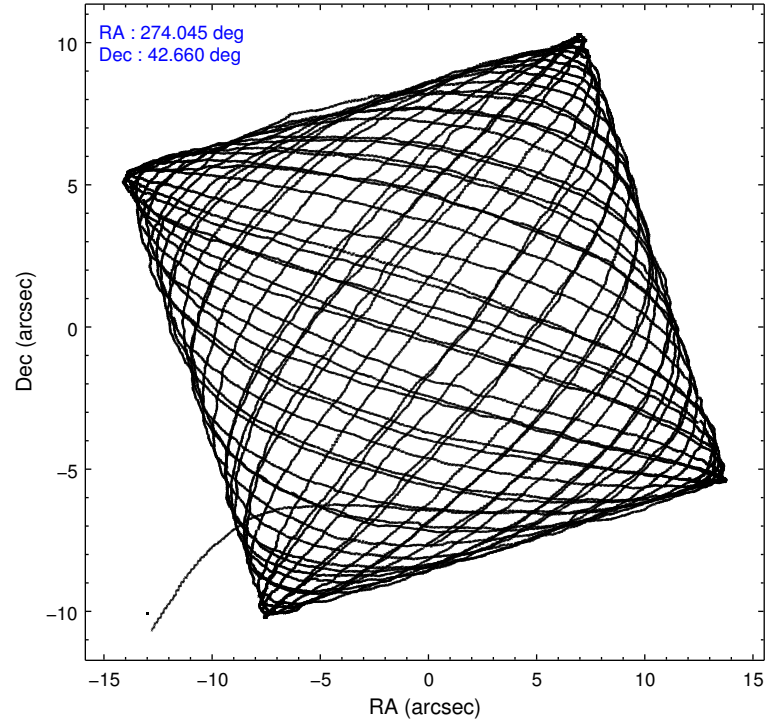
	ccd 7
level 1 events	98402
rejected events	51384
rejected %	52%

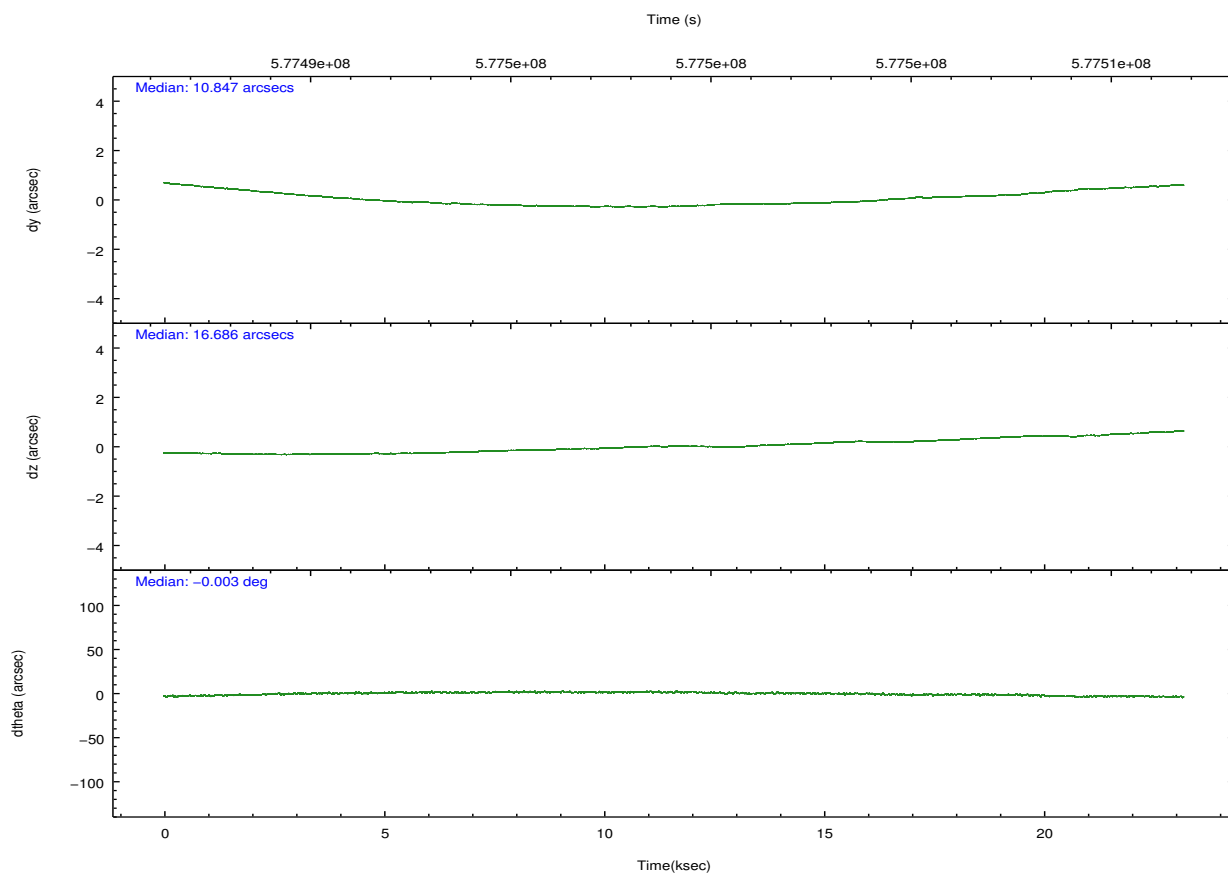
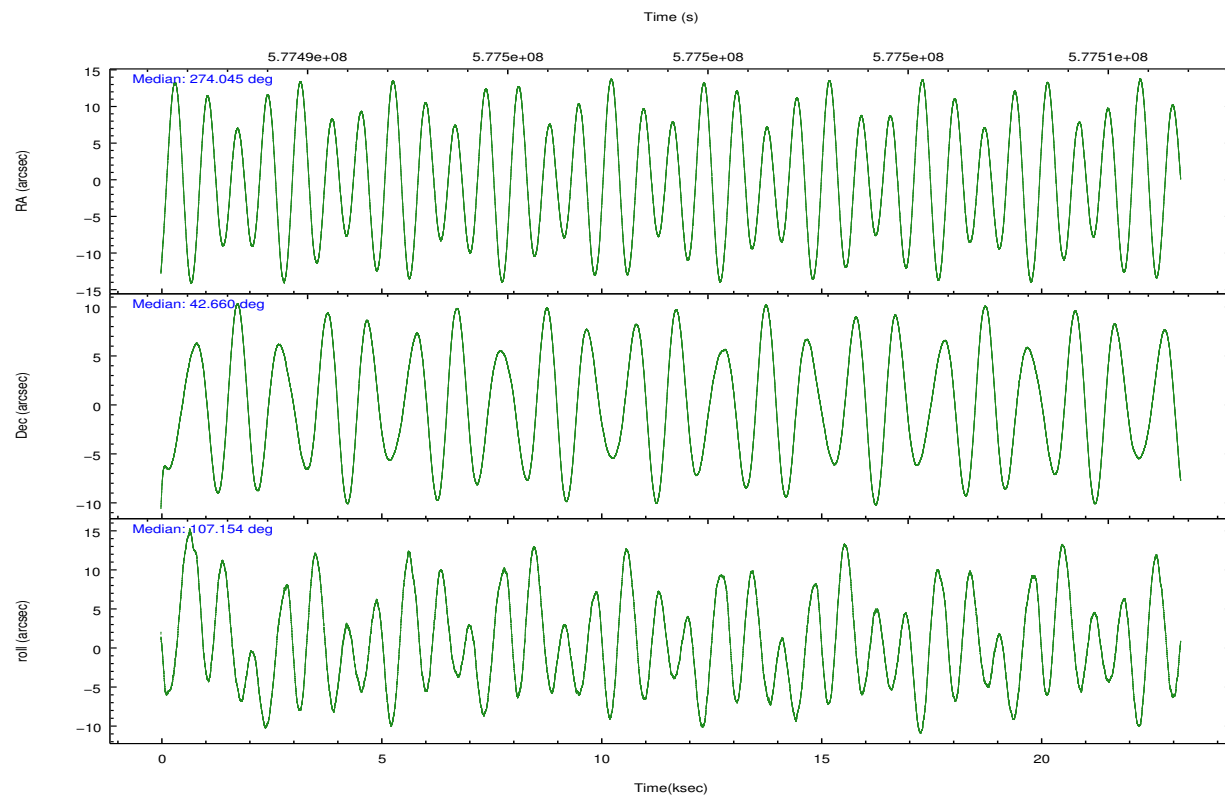
	ccd 7
grade 0 events	4842
	4%
grade 1 events	169
	0%
grade 2 events	9844
	10%
grade 3 events	4404
	4%
grade 4 events	4282
	4%
grade 5 events	9575
	9%
grade 6 events	23657
	24%
grade 7 events	41629
	42%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	274.072744	274.0450686150959	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	42.641998	42.66038797886212	Subarray start row	257	257
[deg] Pointing Roll	106.983744	107.159118532884	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	577487649.184000	577486672.8785501			
Observation start date	2016-04-19T21:13:01	2016-04-19T20:57:52			
[s] Observation end time (MET)	577510649.184000	577511557.31748			
Observation end date	2016-04-20T03:36:21	2016-04-20T03:52:37			
Read mode	TIMED	TIMED			

2.3 Aspect



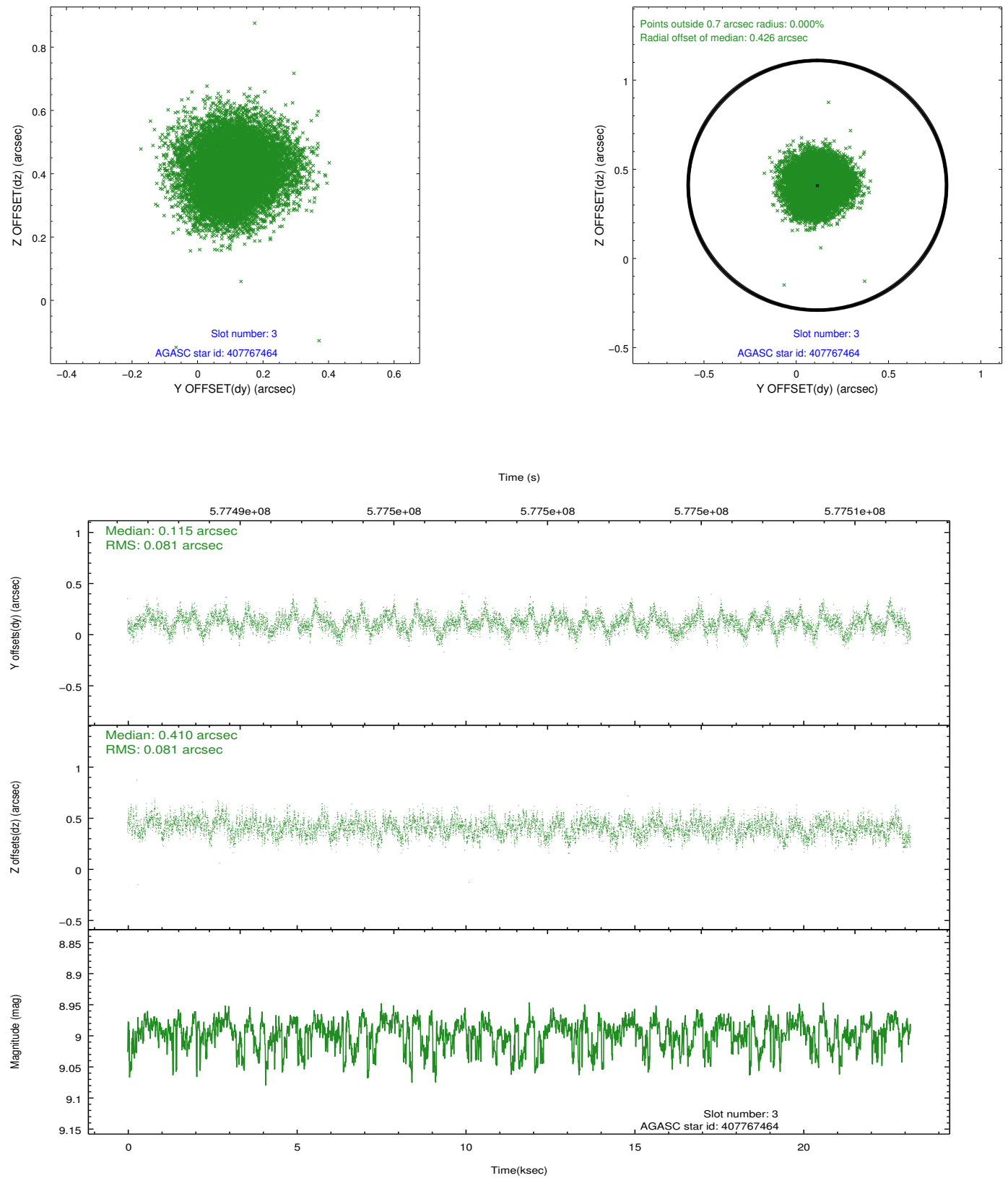


Slot Statistics

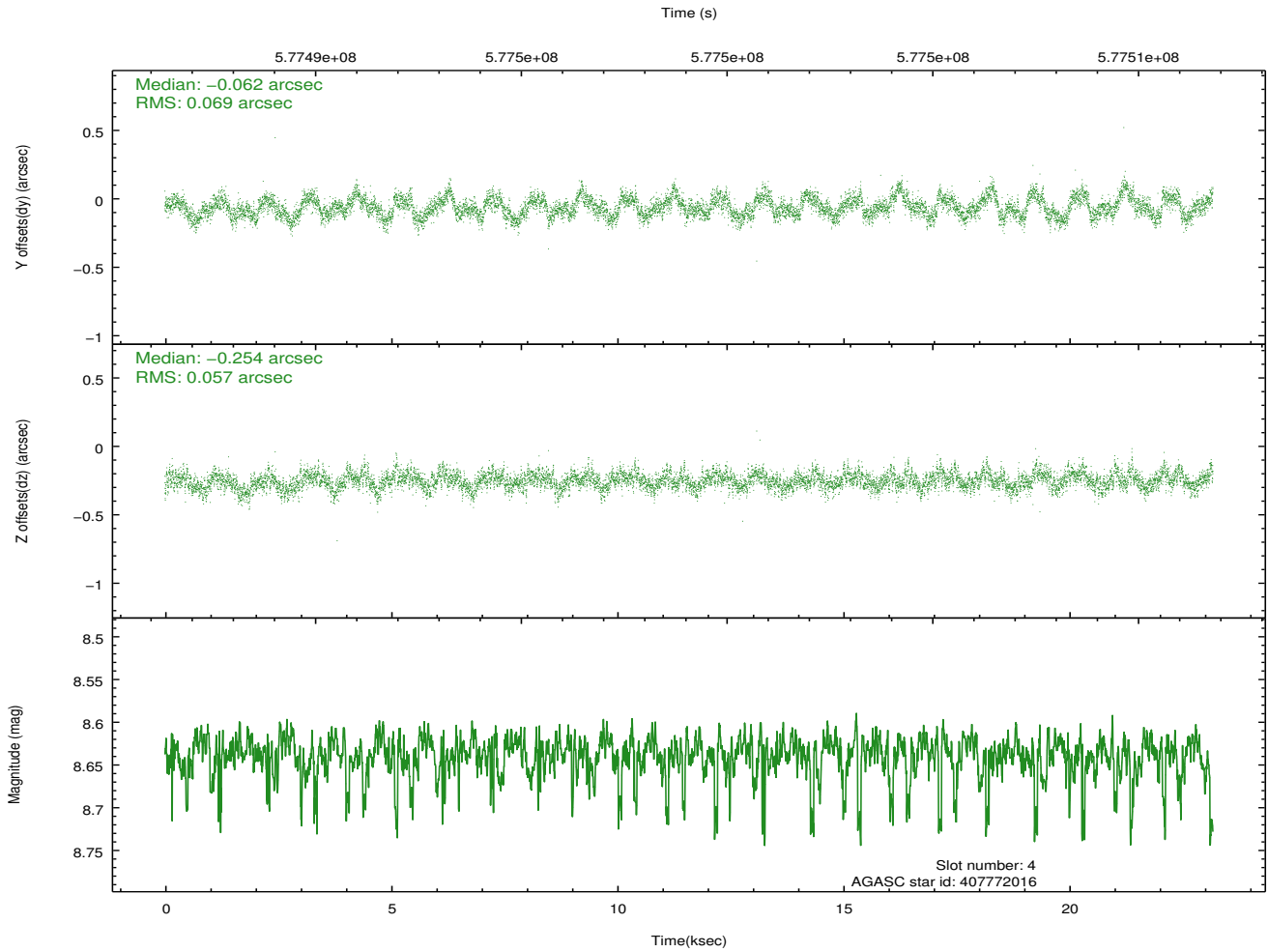
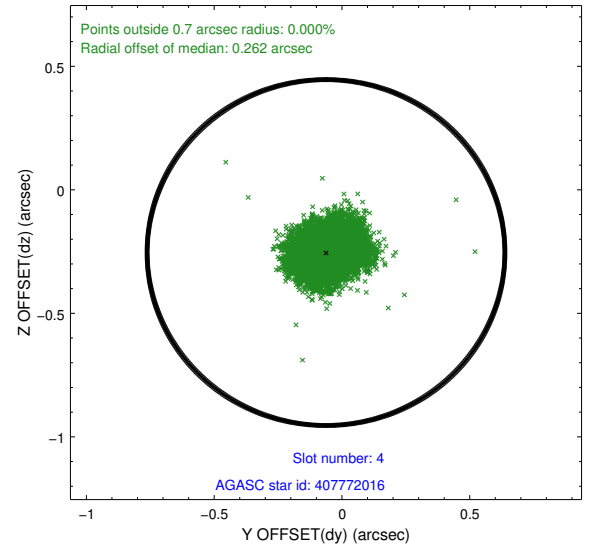
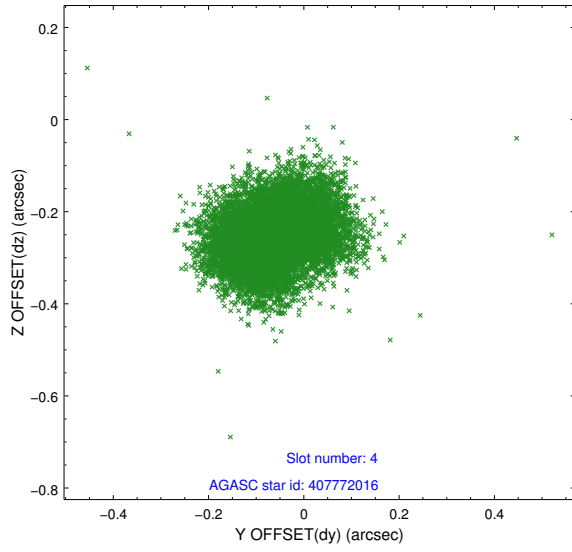
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	5655	0.142	-0.026	0.013	0.023	0.000000	0.000000	932.35	-1733.84
1	FID		ACIS-S-2	7.11	5655	-0.177	-0.064	0.008	0.017	0.000000	0.000000	-763.80	-1738.51
2	FID		ACIS-S-6	7.36	5655	0.016	0.096	0.010	0.016	0.000000	0.000000	397.90	807.50
3	GUIDE	used	407767464	8.99	11305	0.115	0.410	0.124	0.194	274.649672	42.564610	-707.96	-1382.49
4	GUIDE	used	407772016	8.64	11304	-0.062	-0.254	0.096	0.152	273.220954	42.803202	1223.05	1978.90
5	GUIDE	used	407772912	8.37	11306	-0.243	-0.112	0.136	0.195	273.424368	42.879417	1323.55	1384.80
6	GUIDE	used	407774368	8.32	11307	0.057	0.158	0.092	0.153	274.323554	42.803066	362.50	-802.62
7	GUIDE	used	407774552	9.37	11300	0.130	-0.209	0.158	0.256	273.443532	42.046443	-1553.00	2233.15

2.4 Star Slots

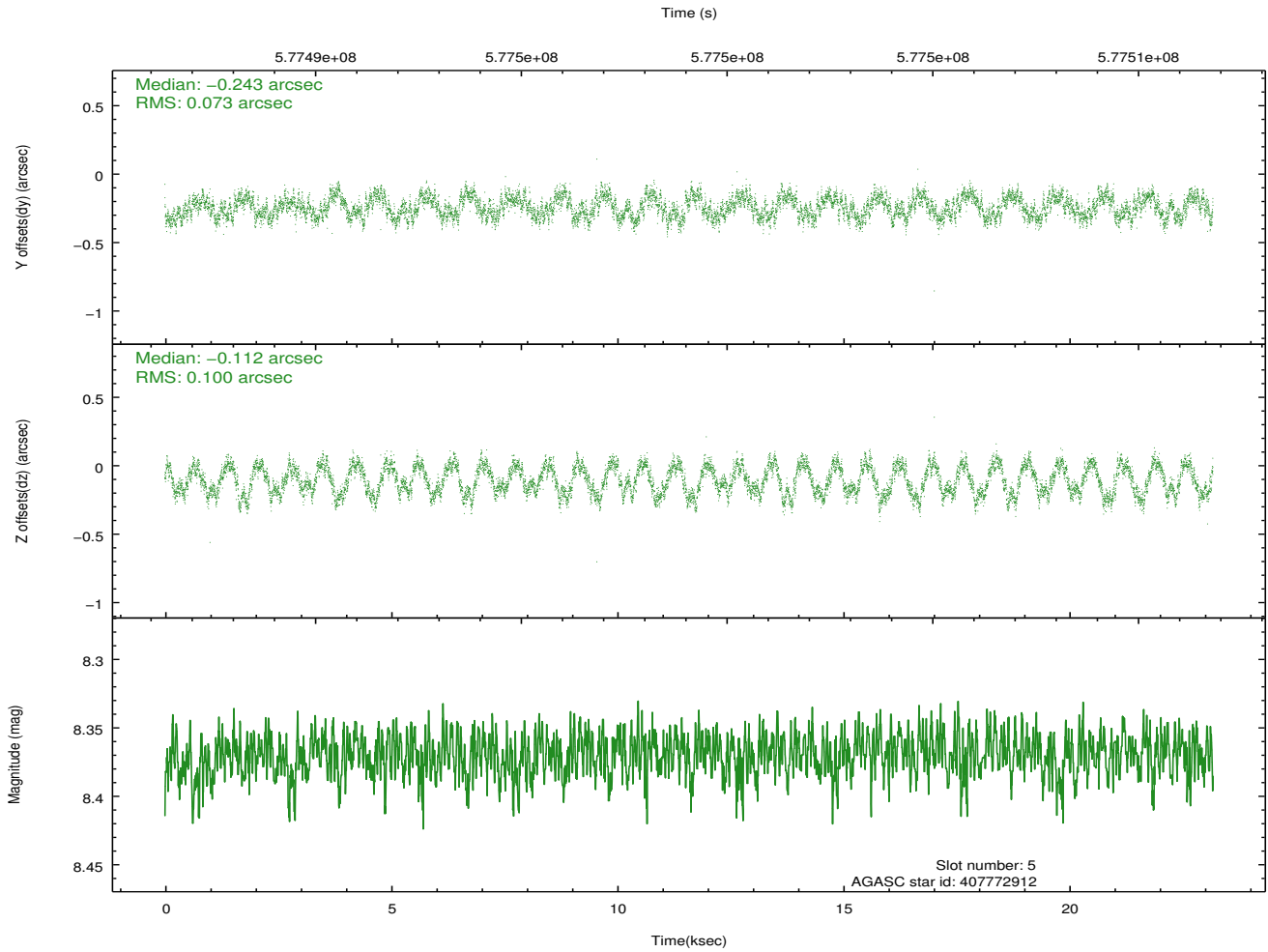
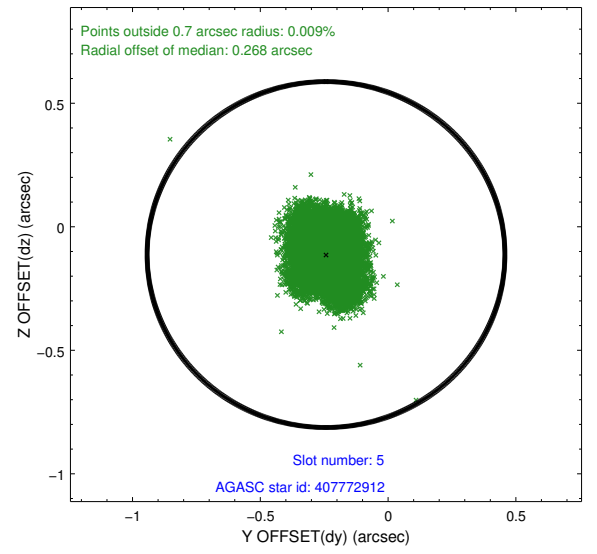
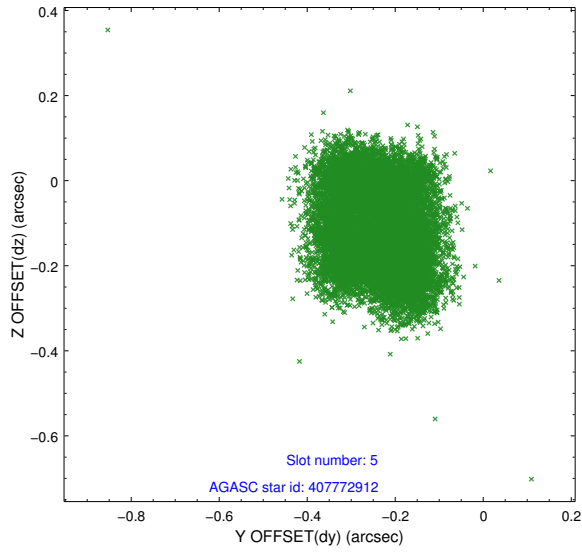
2.4.1 Slot 3



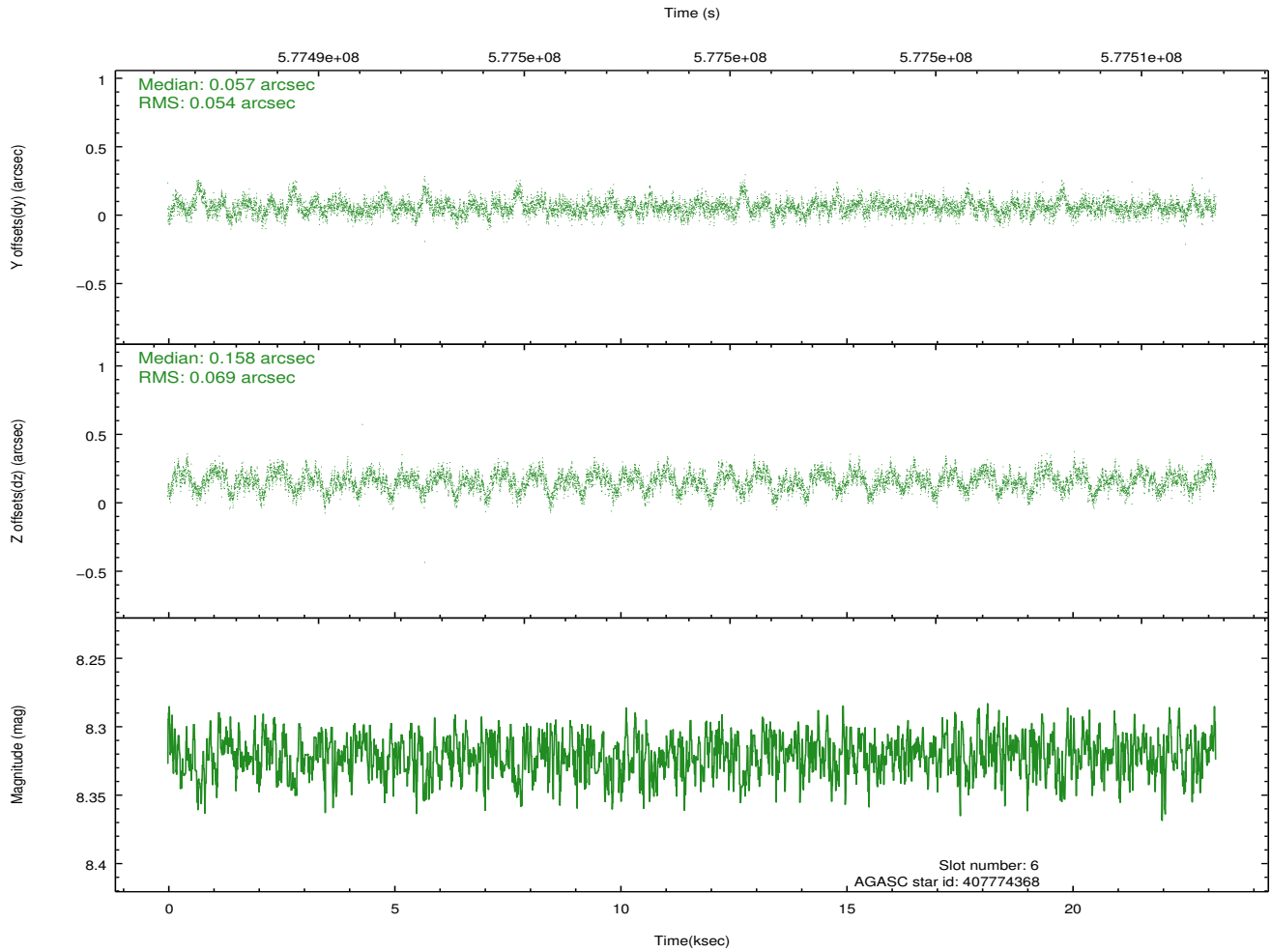
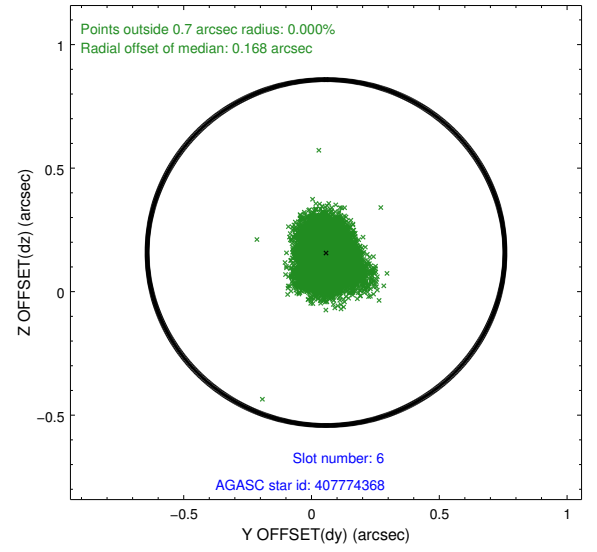
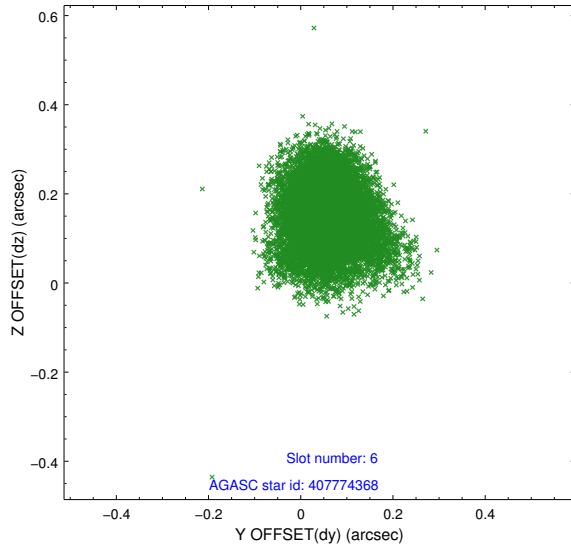
2.4.2 Slot 4



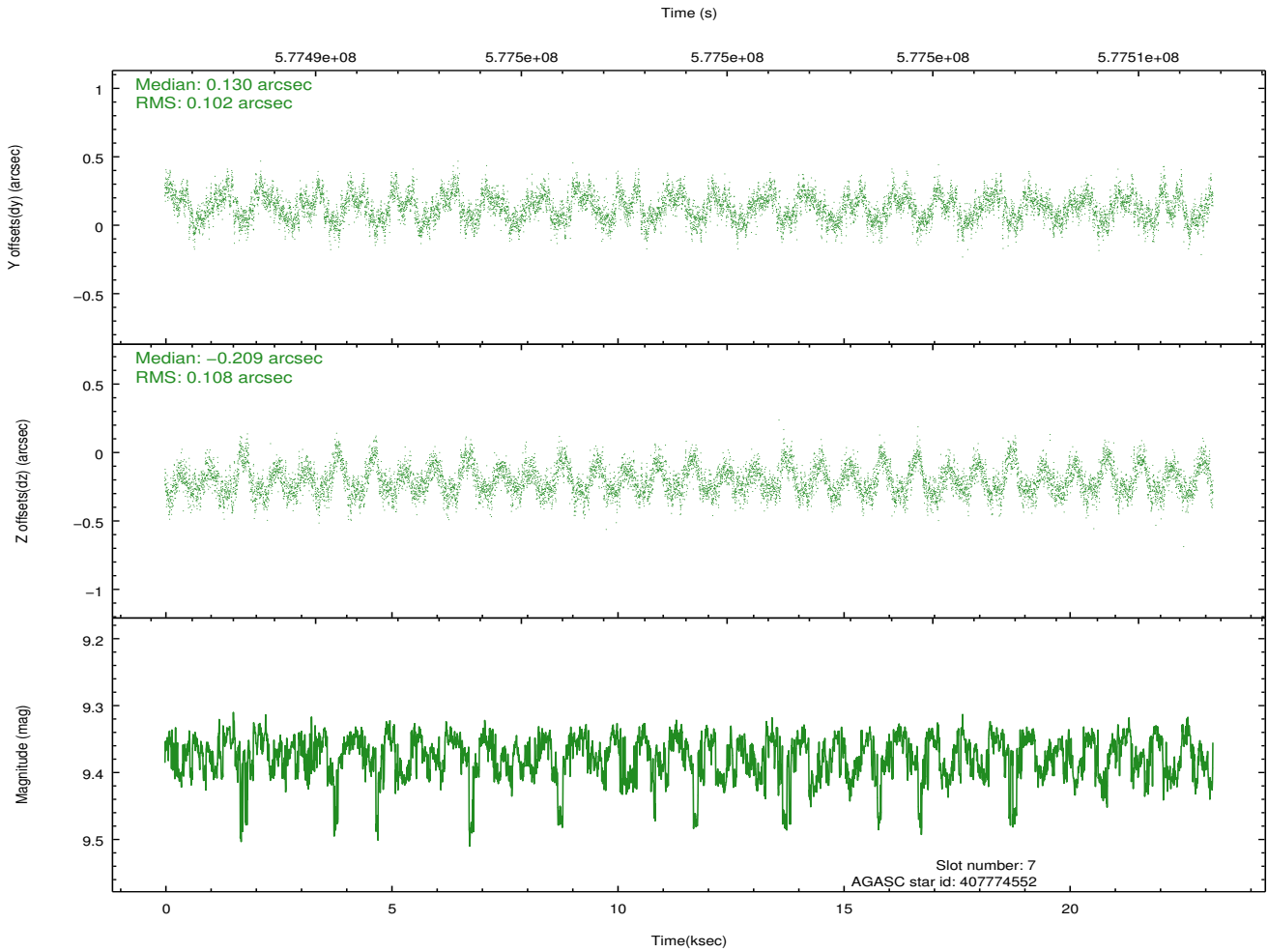
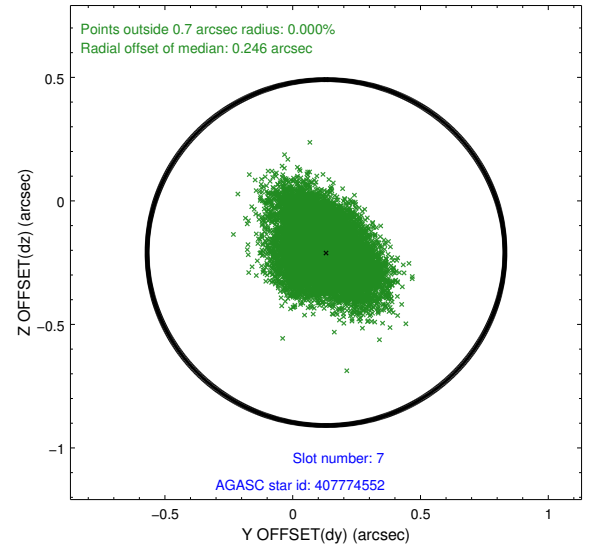
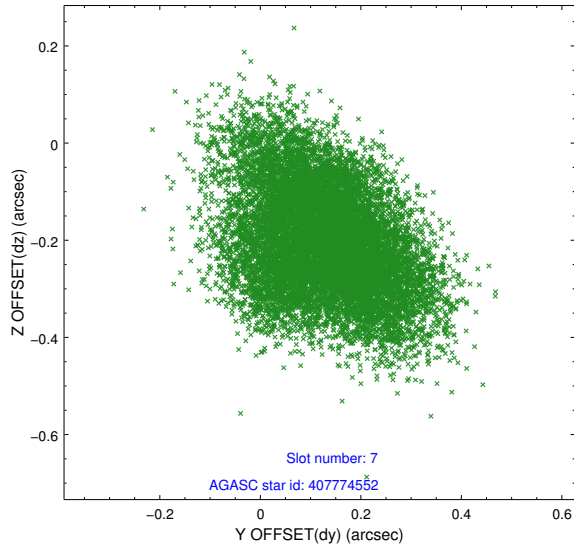
2.4.3 Slot 5



2.4.4 Slot 6

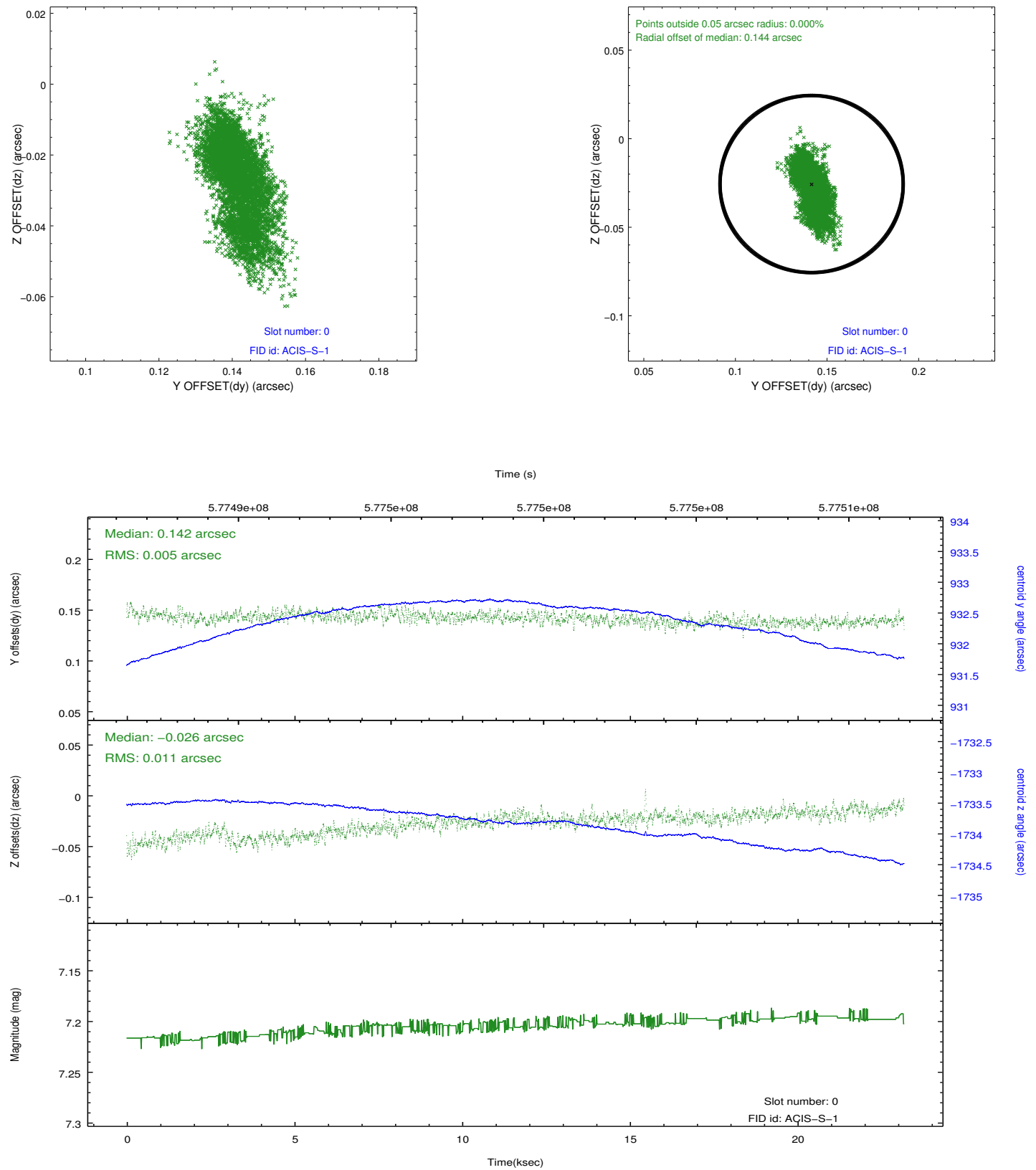


2.4.5 Slot 7

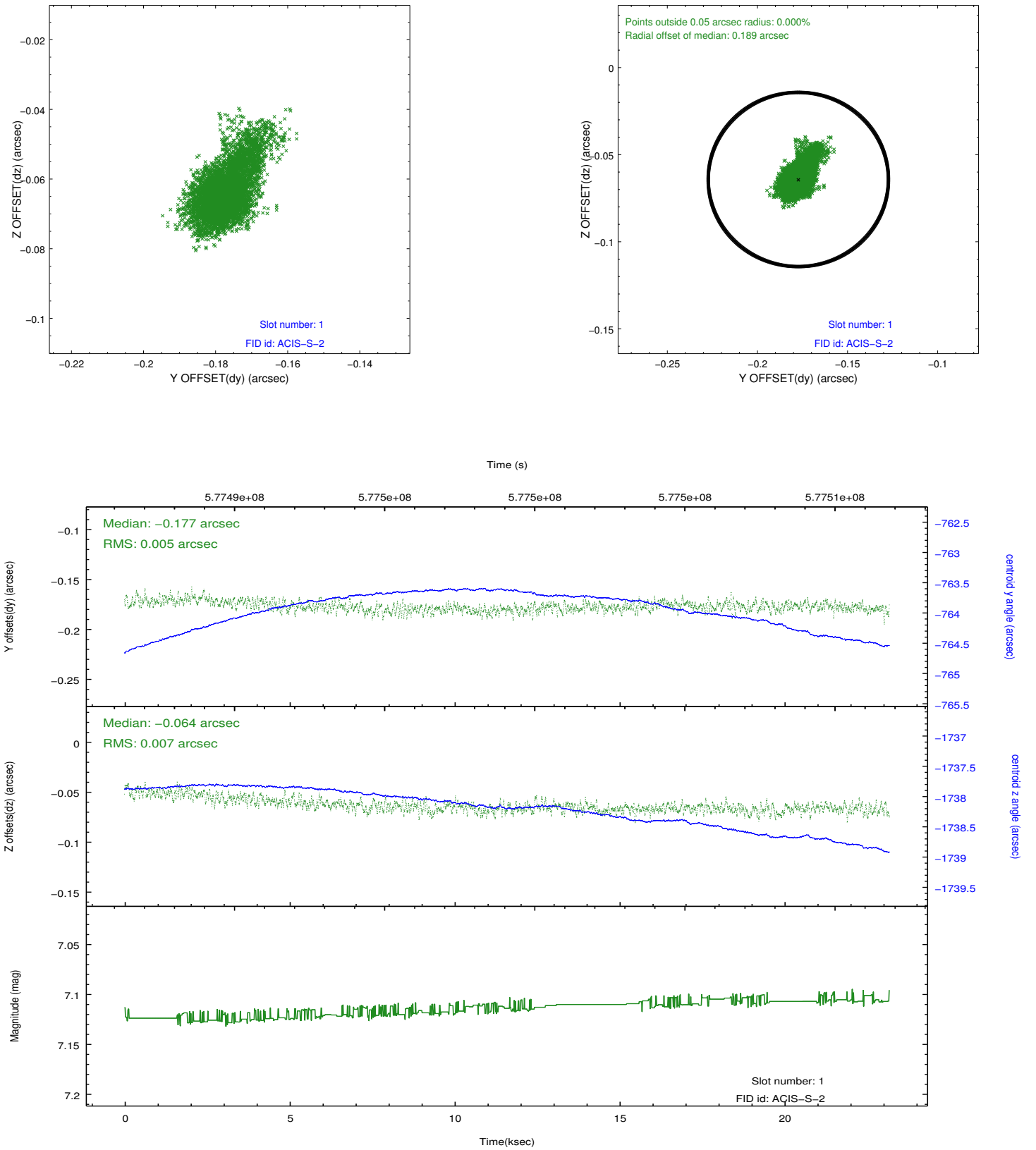


2.5 FID Slots

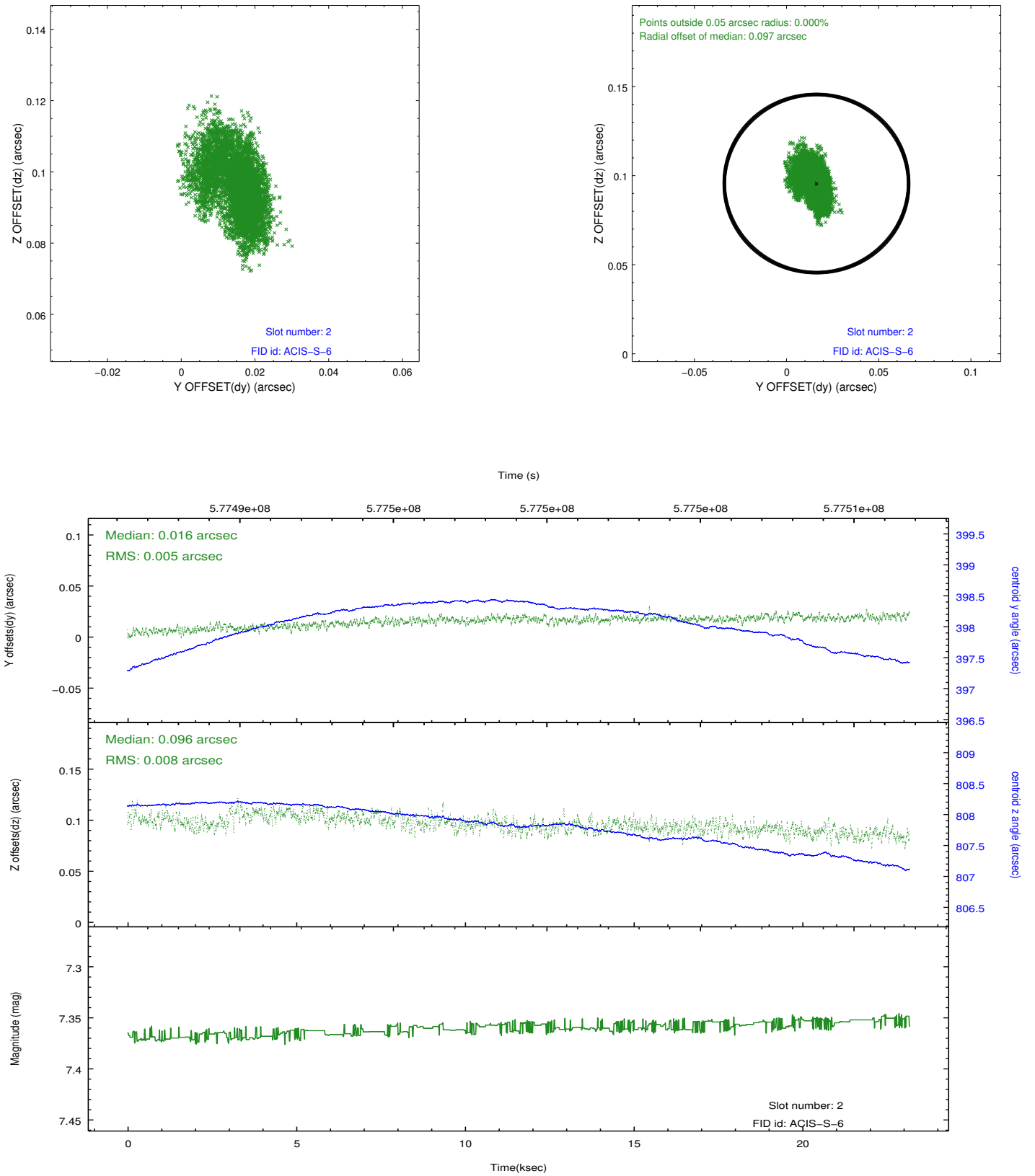
2.5.1 Slot 0



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)	2016.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.074480955482

A.2 Comments