

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5643 - L2 Version 4
Chandra X-Ray Center

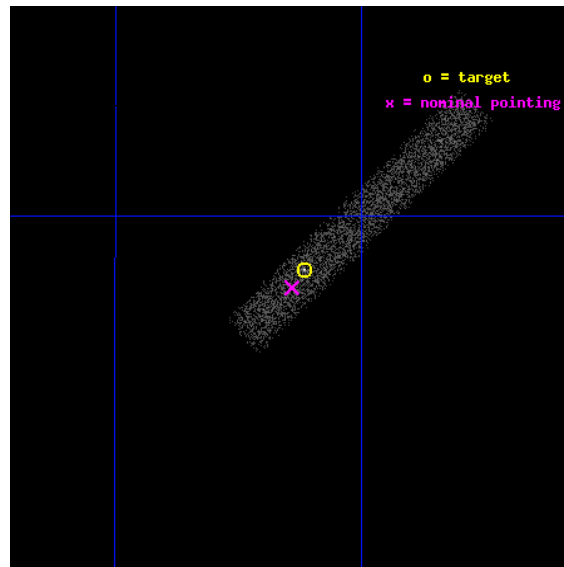
L2 Processing Date : Dec 16 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

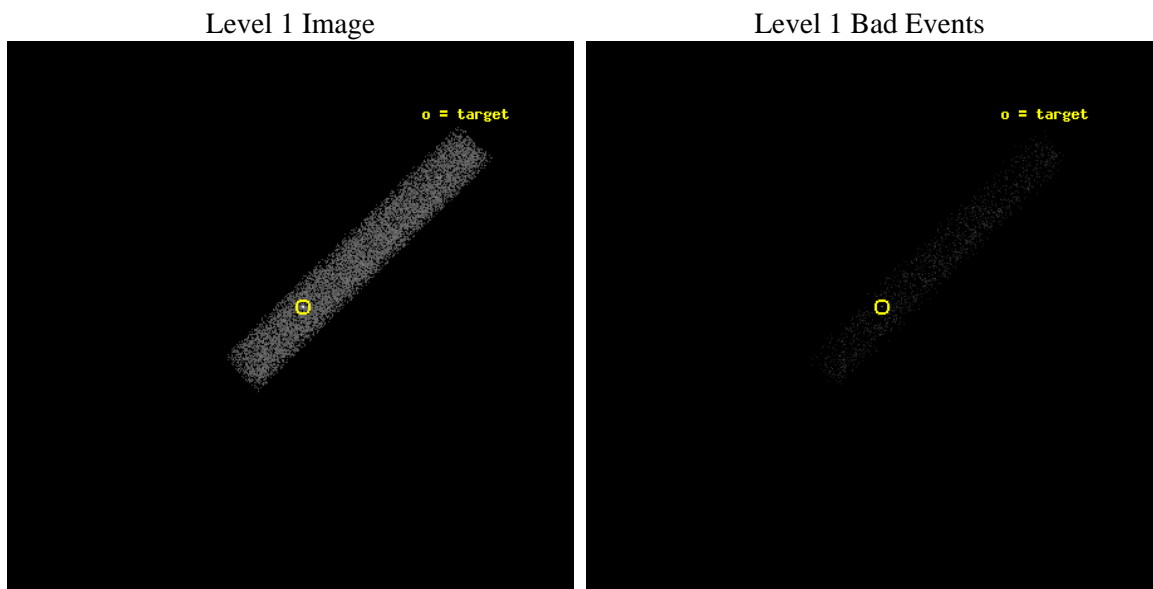
seq_num	701066	Sequence number
obs_id	5643	Observation id
title	The Extended X-ray Structure of a New Population of Blazars	Propos
observer	Dr. Hermine Landt	Principal investigator
object	RGBJ2318+3048	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.65375	Observer's specified target RA [deg]
dec_targ	30.810278	Observer's specified target Dec [deg]
ra_nom	349.66029083664	Nominal RA [deg]
dec_nom	30.802382188881	Nominal Dec [deg]
roll_nom	315.5279473593	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10165.200151443	Sum of GTIs [s]
livetime	9219.2999741008	Livetime [s]
ontime7	10165.200151443	Sum of GTIs [s]
l2events	6978	Number of level 2 events



2 OBI

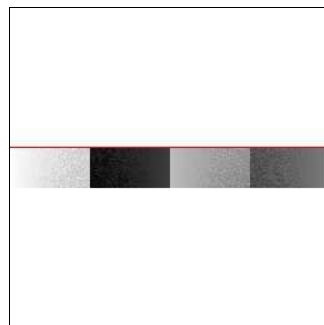
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	10165.200151443	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	10165.200151443	Sum of GTIs [s]
date	2012-12-16T12:16:54	Date and time of file creation	l1events	15608	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

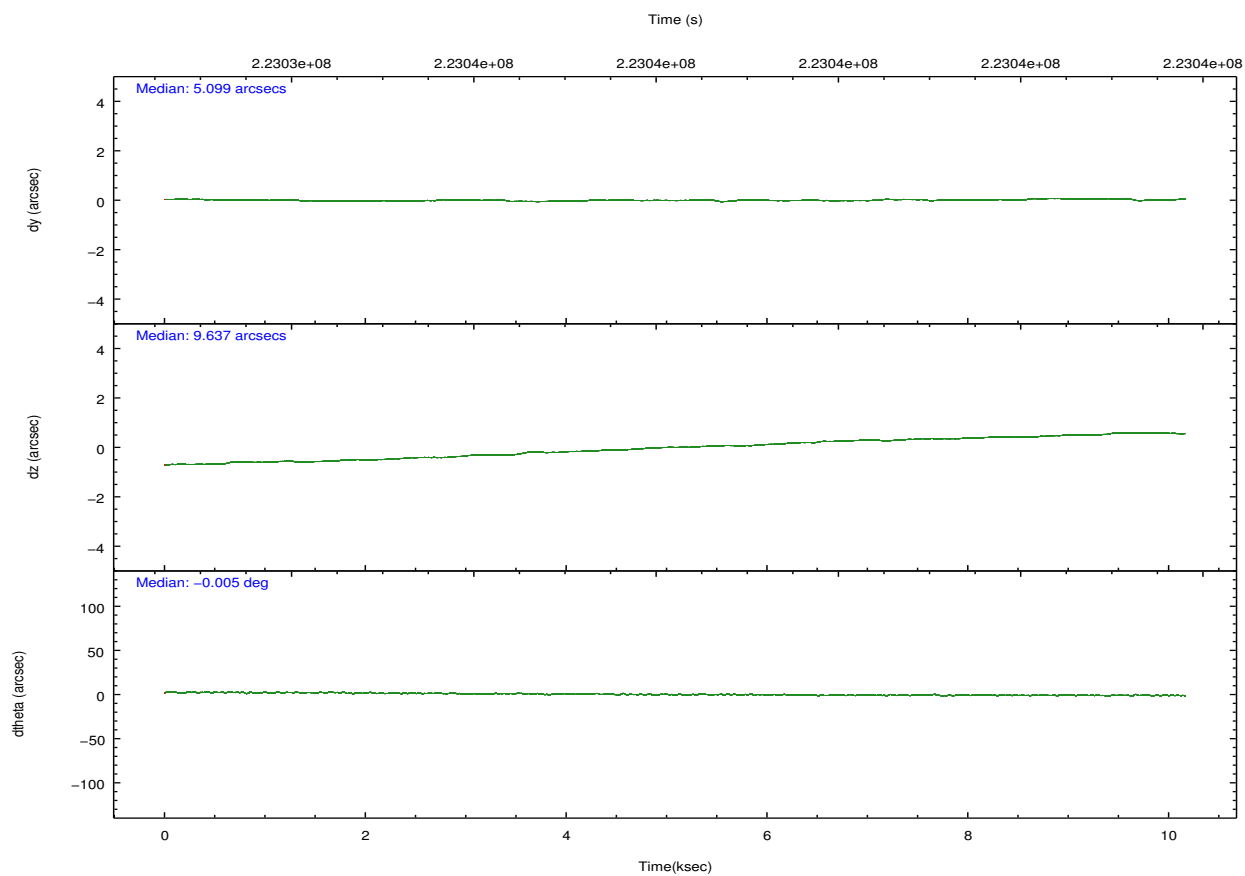
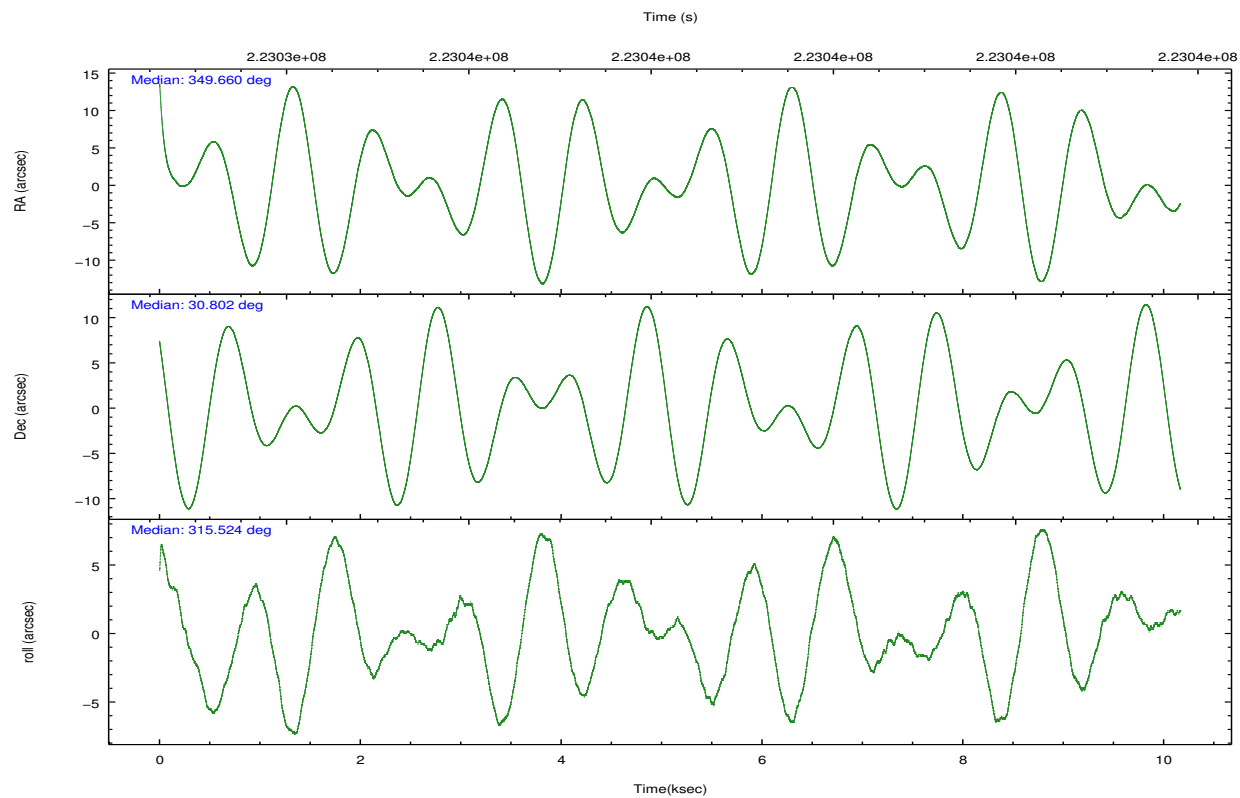
	ccd 7
level 1 events	15608
rejected events	8398
rejected %	53%

	ccd 7
grade 0 events	1013
	6%
grade 1 events	16
	0%
grade 2 events	1641
	10%
grade 3 events	1029
	6%
grade 4 events	1007
	6%
grade 5 events	1374
	8%
grade 6 events	3203
	20%
grade 7 events	6325
	40%

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	349.629472	349.6602908366424	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	30.808842	30.8023821888815	Subarray start row	449	449
[deg] Pointing Roll	315.387092	315.5279473593041	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)	223033288.184000	223032014.15702			
Observation start date	2005-01-25T09:40:24	2005-01-25T09:20:14			
[s] Observation end time (MET)	223043288.184000	223044109.67007			
Observation end date	2005-01-25T12:27:04	2005-01-25T12:41:49			
Read mode	TIMED	TIMED			

2.3 Aspect

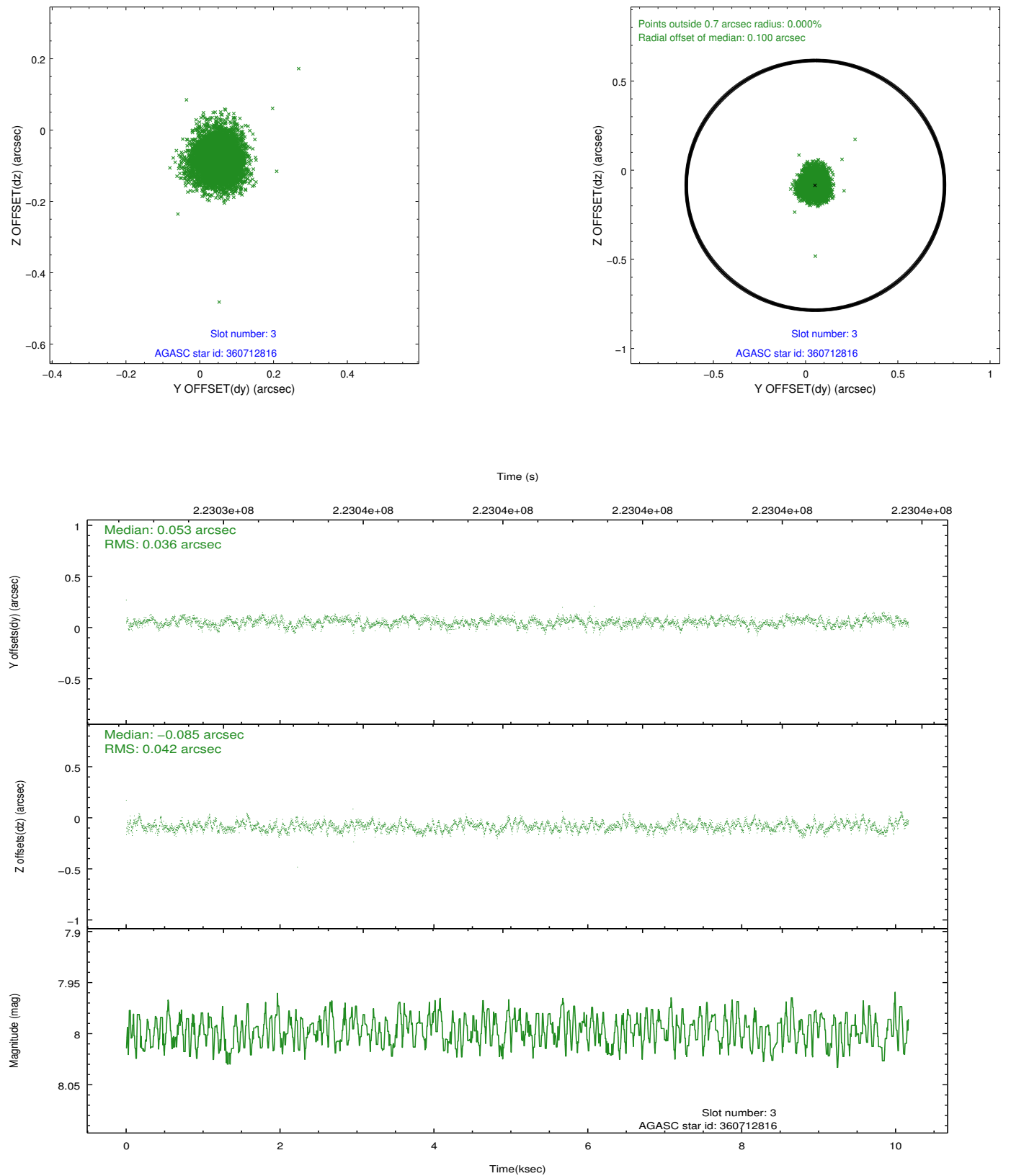


Slot Statistics

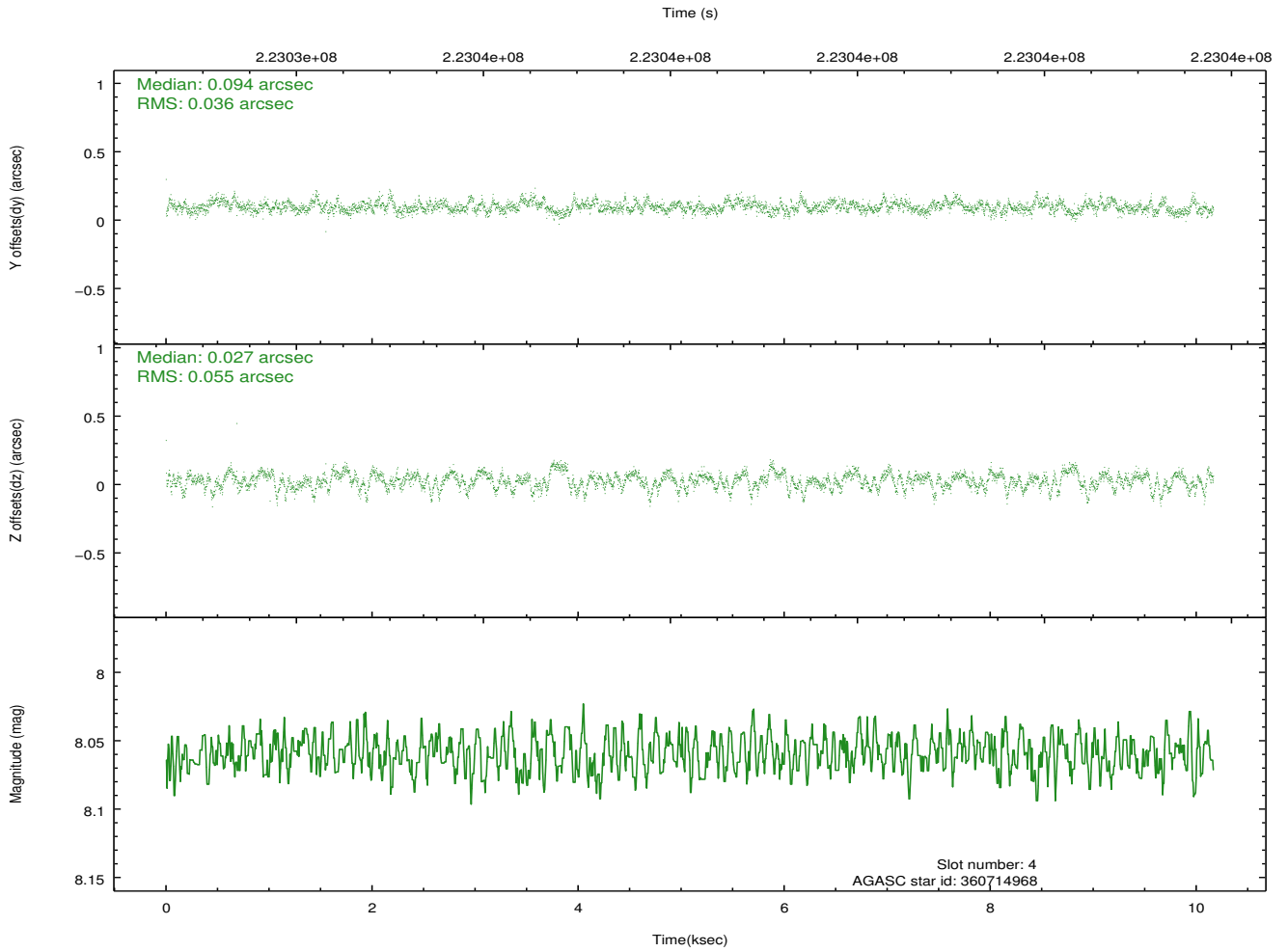
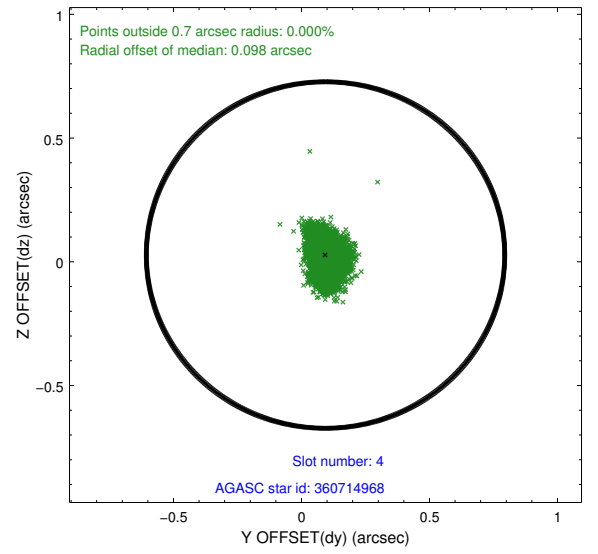
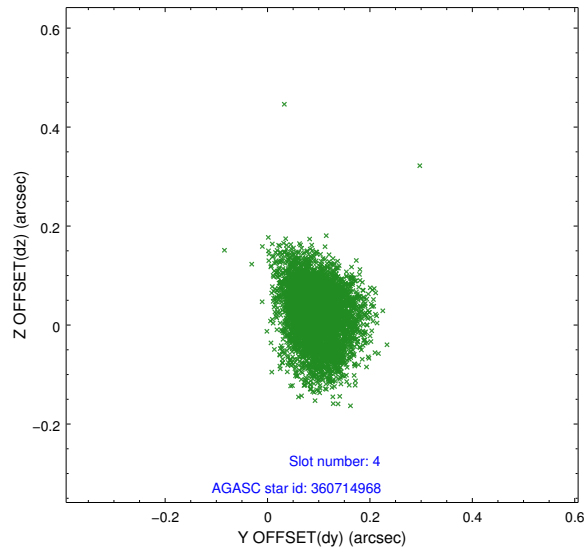
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2480	-0.011	-0.010	0.013	0.020	0.000000	0.000000	938.21	-1726.48
1	FID	ACIS-S-4	7.21	2478	0.095	0.016	0.011	0.017	0.000000	0.000000	2156.02	177.16
2	FID	ACIS-S-5	7.23	2480	-0.112	0.007	0.009	0.016	0.000000	0.000000	-1810.09	171.35
3	GUIDE	360712816	8.00	4959	0.053	-0.085	0.059	0.094	349.075660	30.670209	-871.82	-1554.98
4	GUIDE	360714968	8.06	4959	0.094	0.027	0.069	0.118	349.241338	30.373849	240.52	-1960.13
5	GUIDE	360723824	7.30	4959	-0.097	-0.037	0.065	0.108	349.426023	31.030020	-1006.00	126.24
6	GUIDE	360726424	8.73	4957	0.039	0.018	0.063	0.104	350.086541	30.713840	1245.25	752.45
7	GUIDE	360585328	9.48	4957	-0.092	0.082	0.094	0.150	348.626322	30.696742	-1936.38	-2458.14

2.4 Star Slots

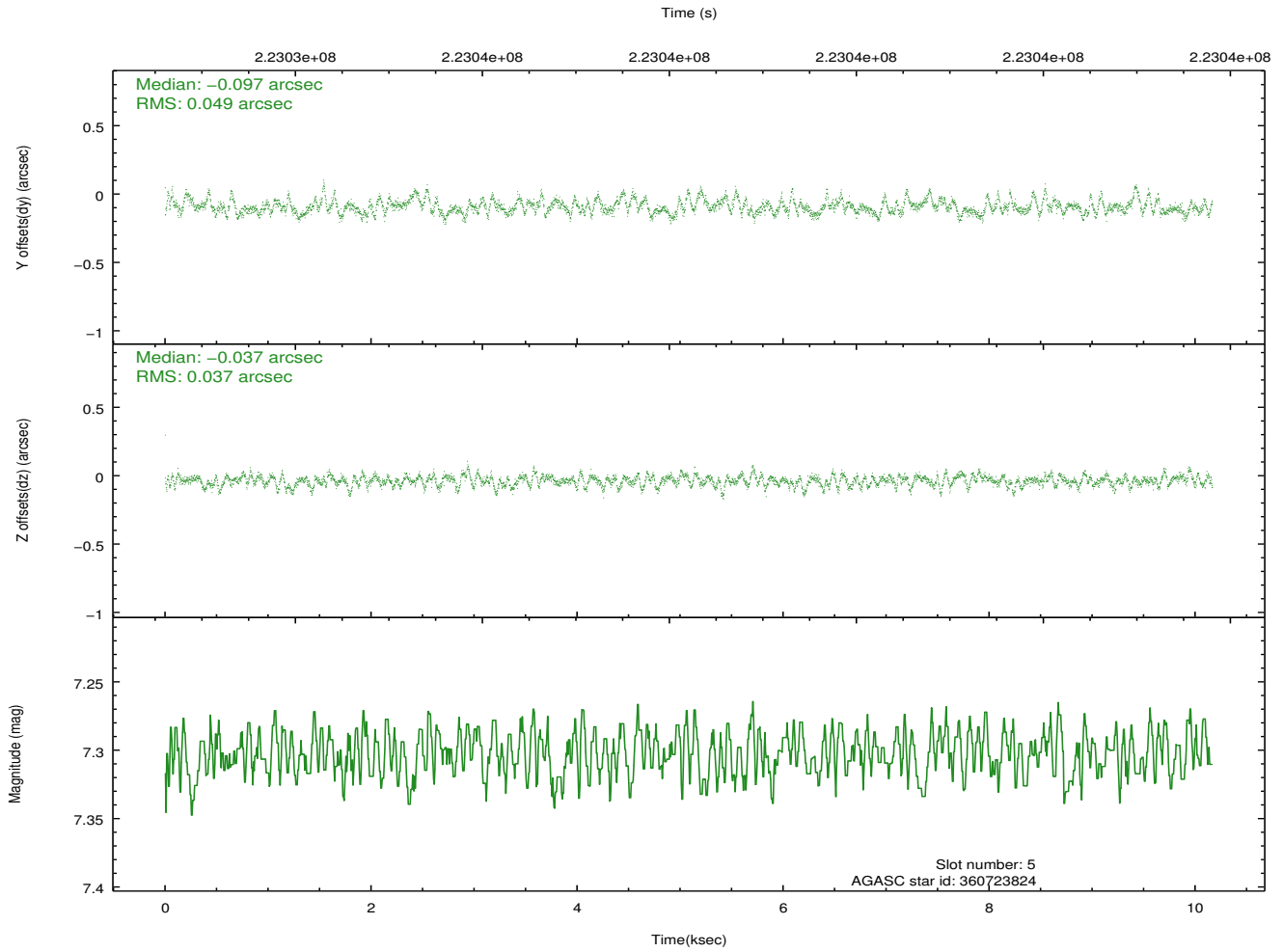
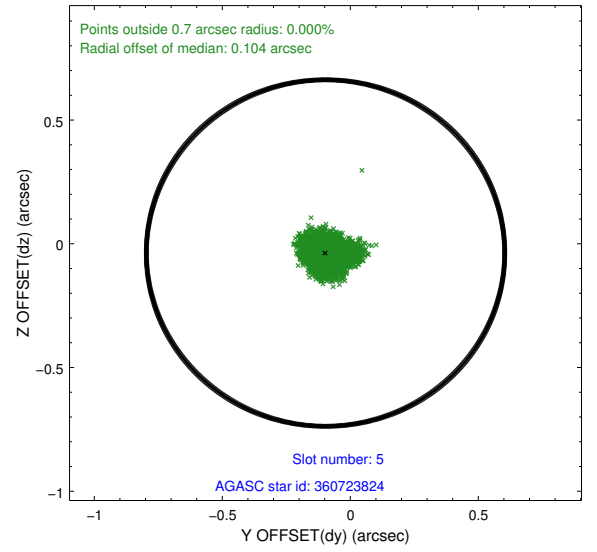
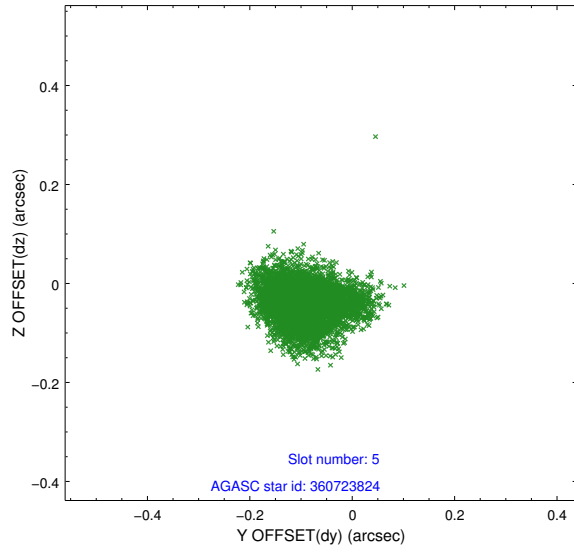
2.4.1 Slot 3



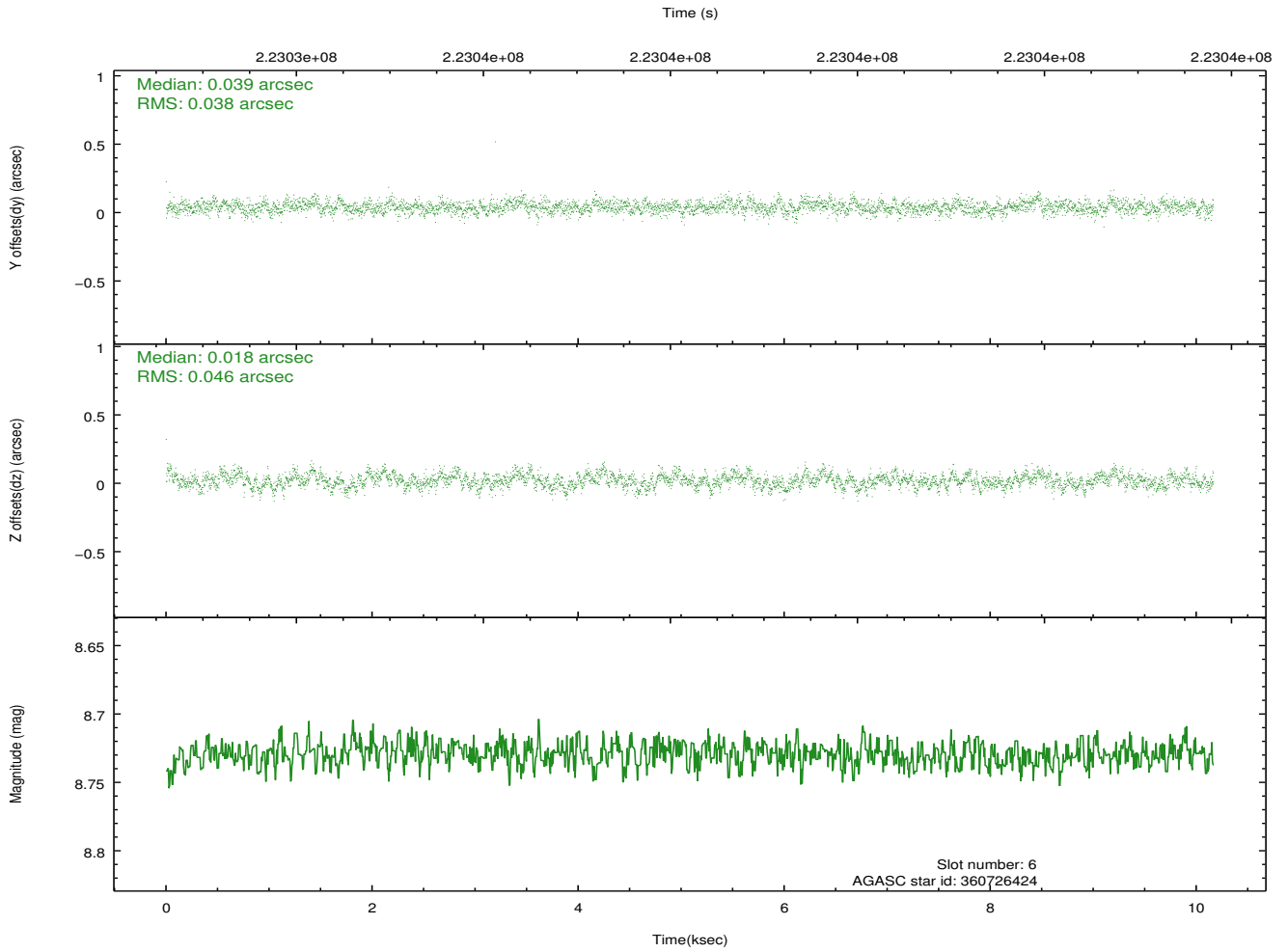
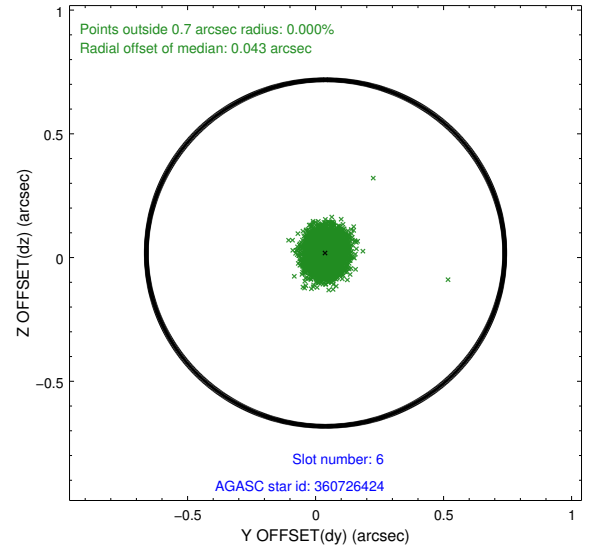
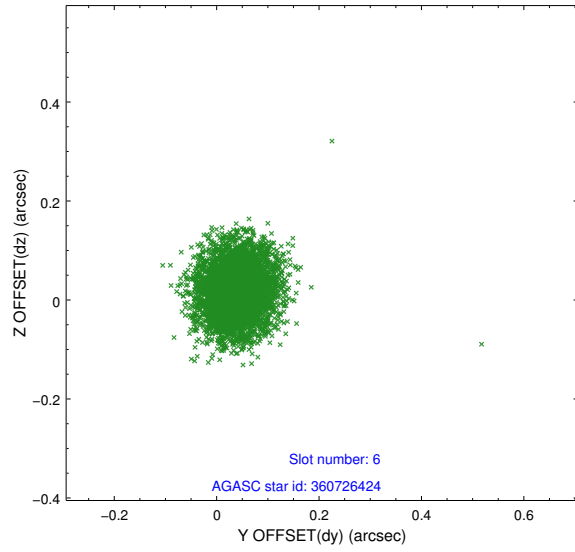
2.4.2 Slot 4



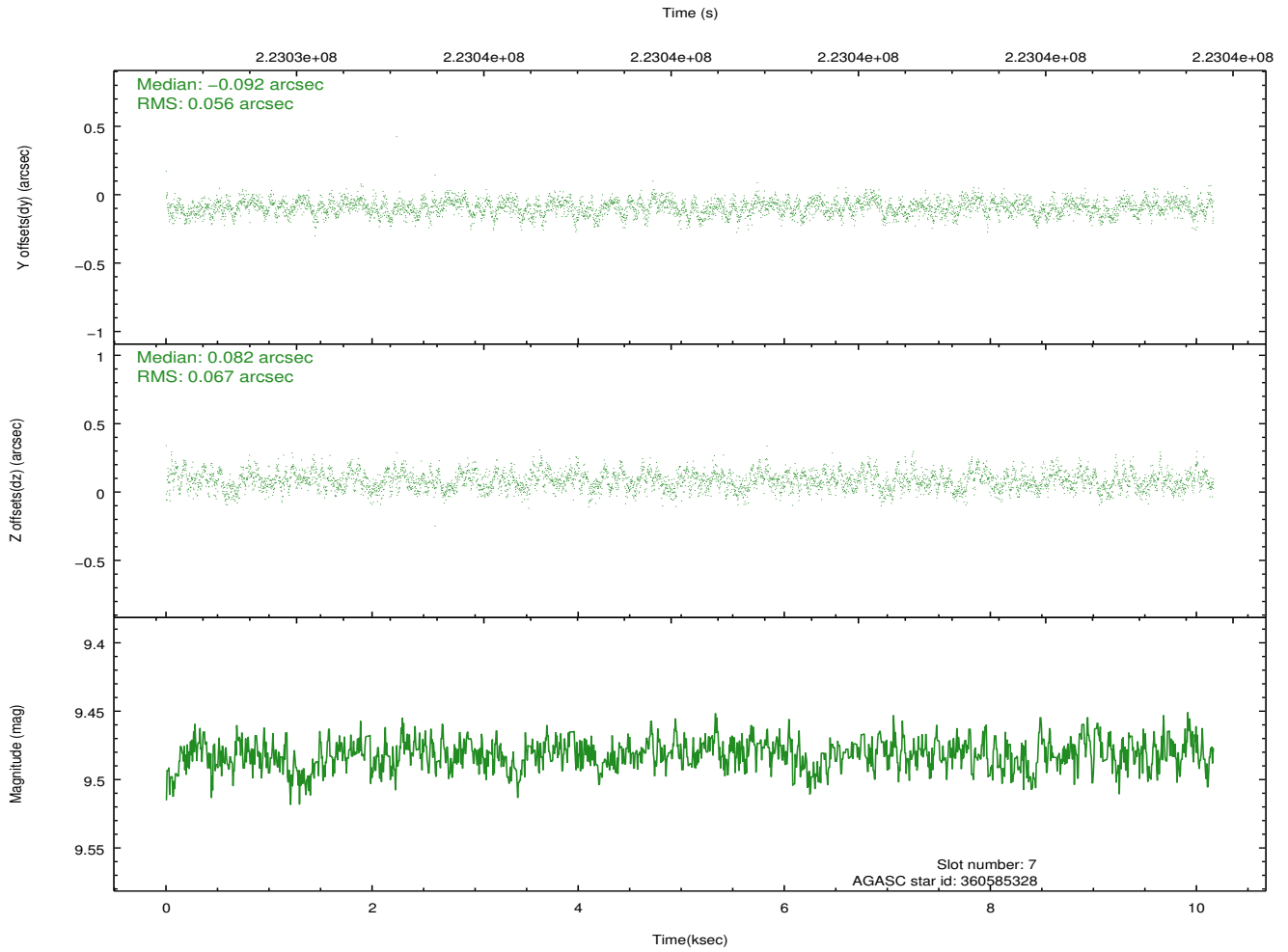
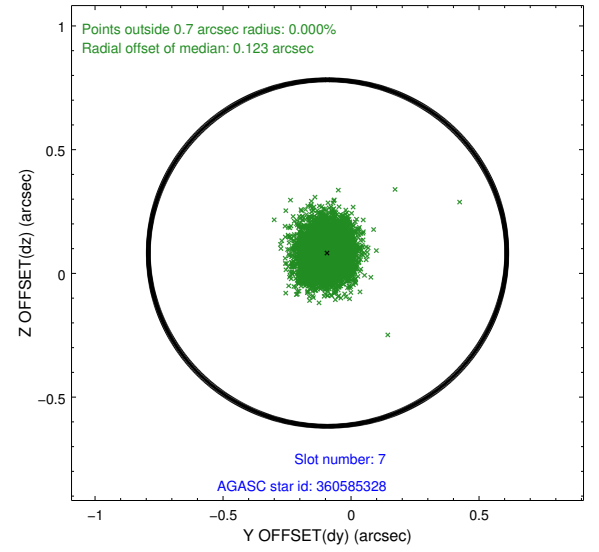
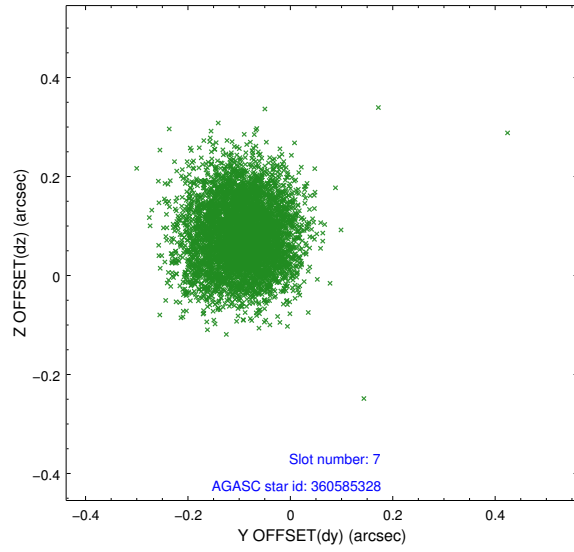
2.4.3 Slot 5



2.4.4 Slot 6

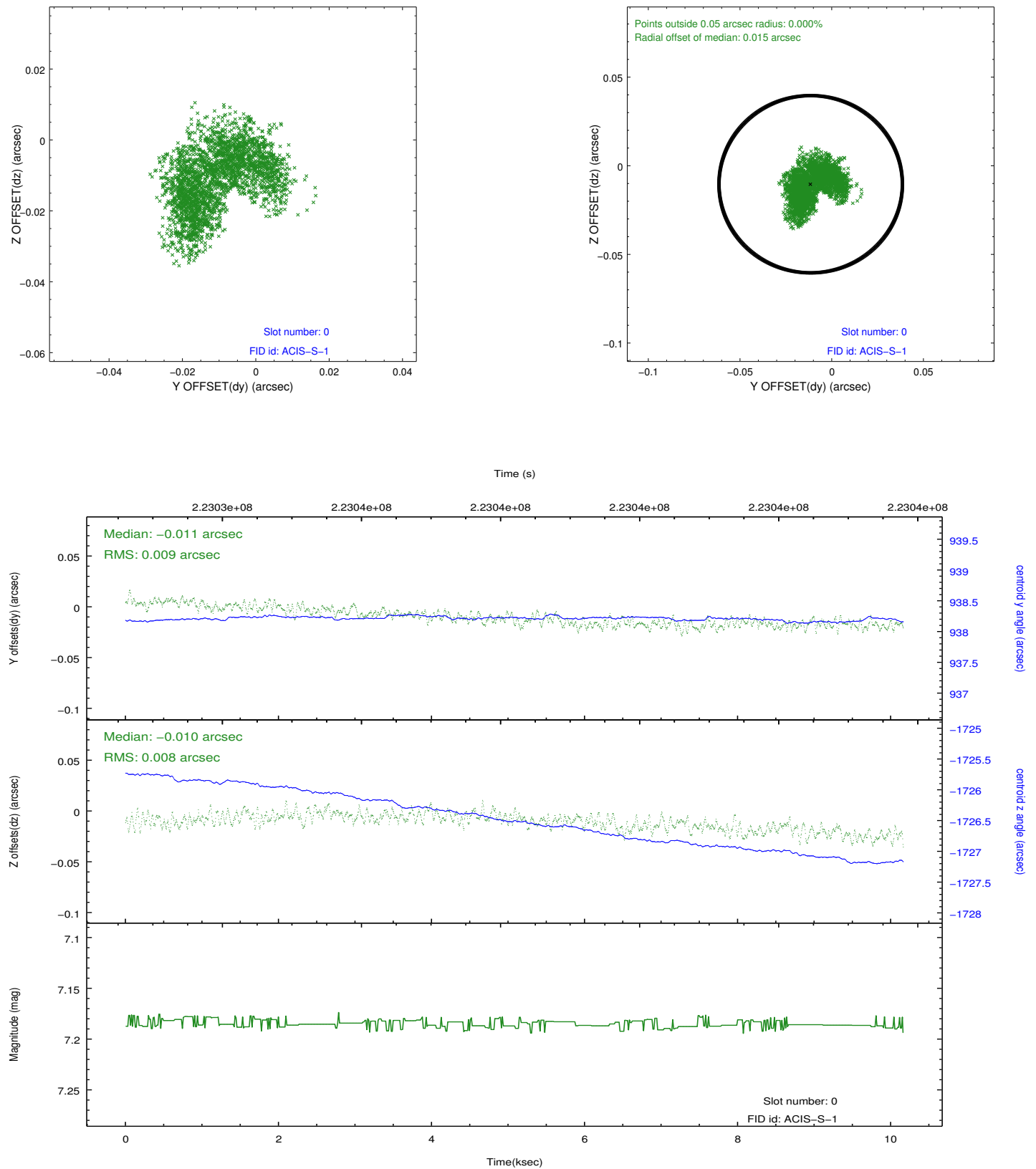


2.4.5 Slot 7

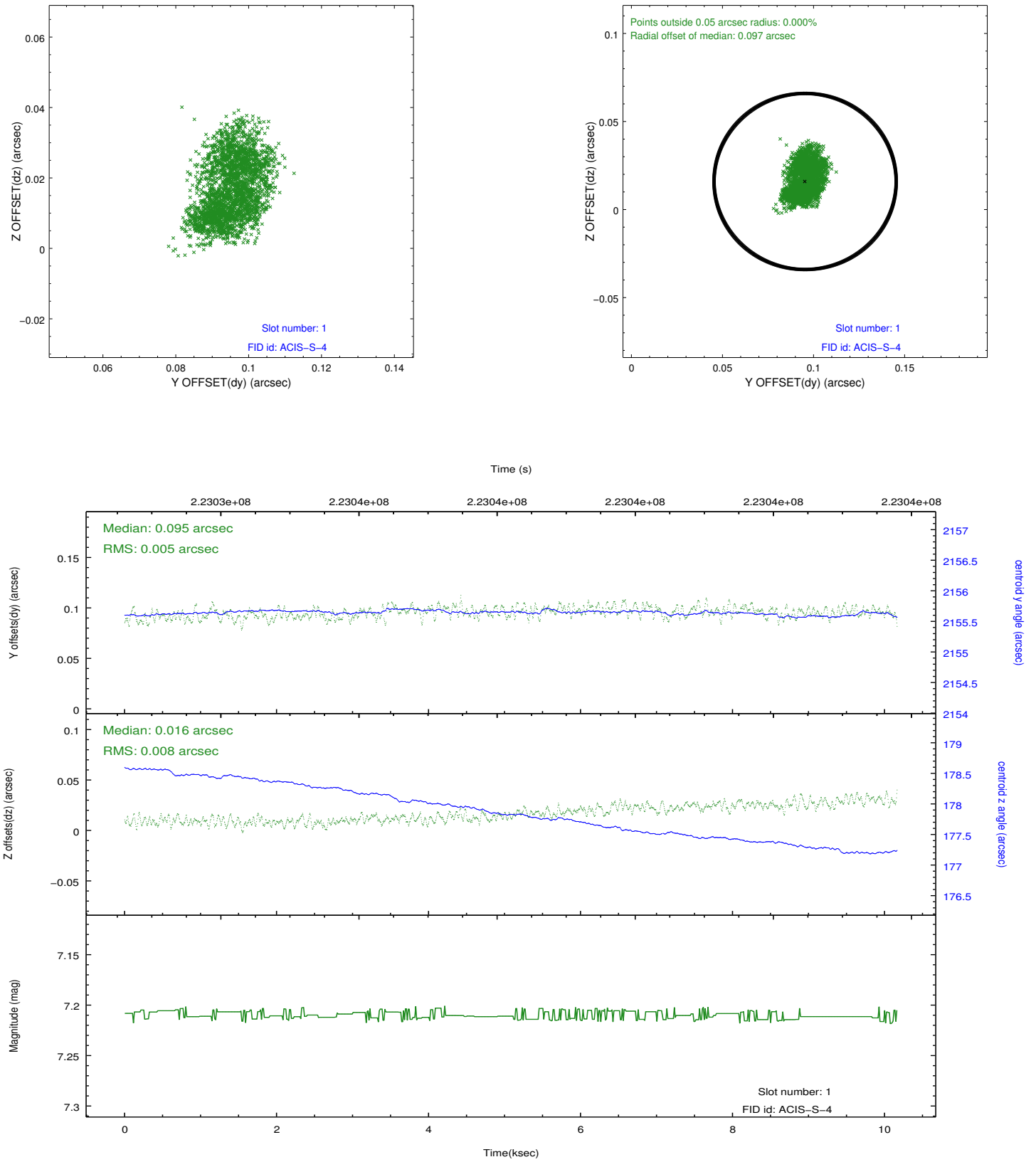


2.5 FID Slots

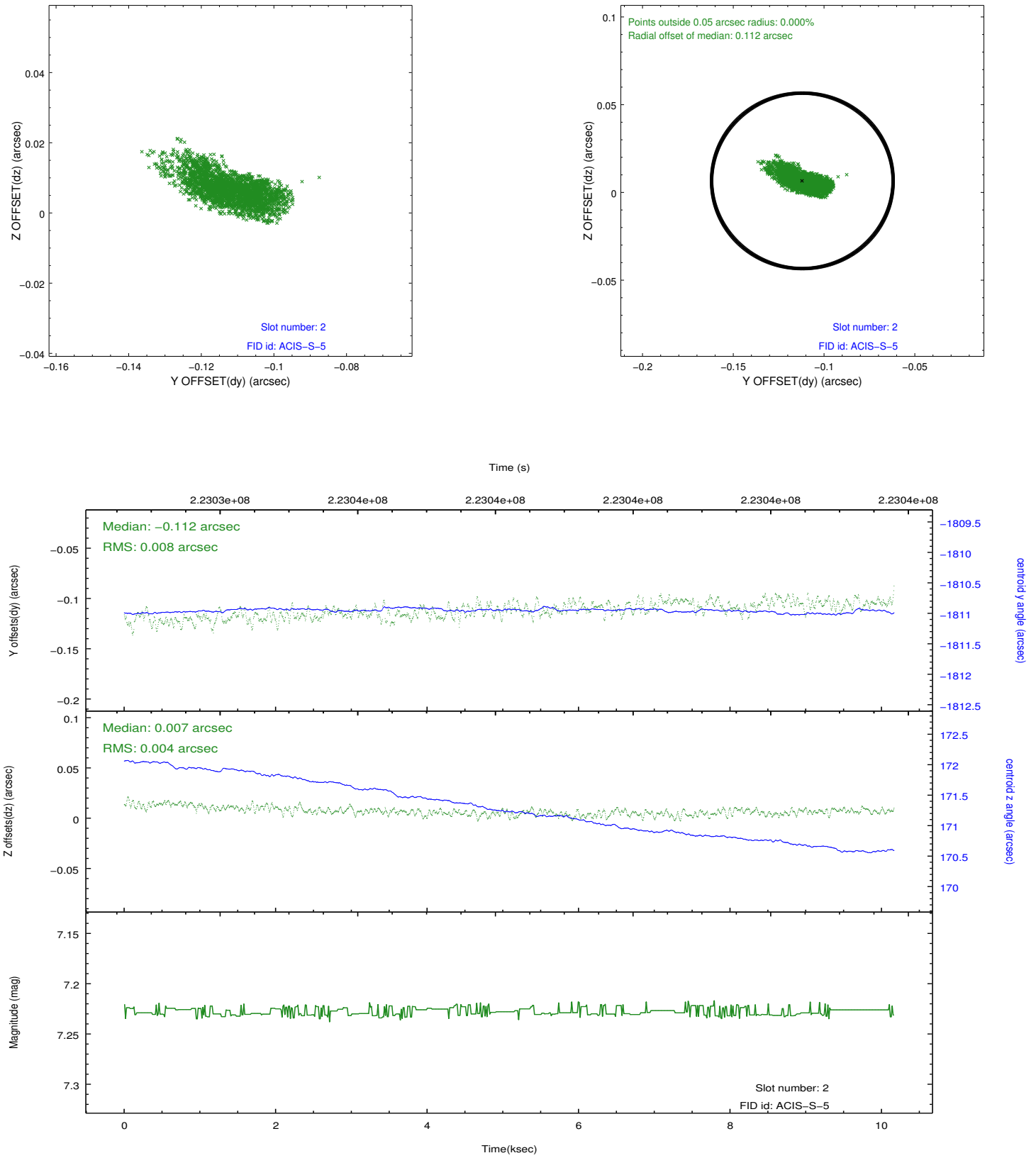
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1652

A.2 Comments