

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9281 - L2 Version 2
Chandra X-Ray Center

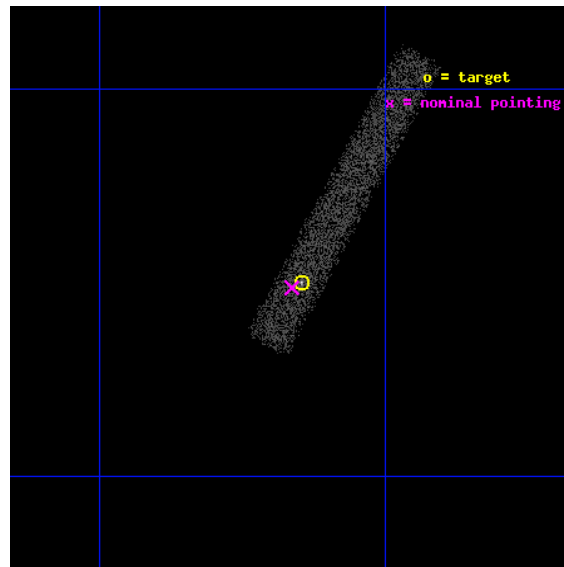
L2 Processing Date : May 5 2012

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1 Front

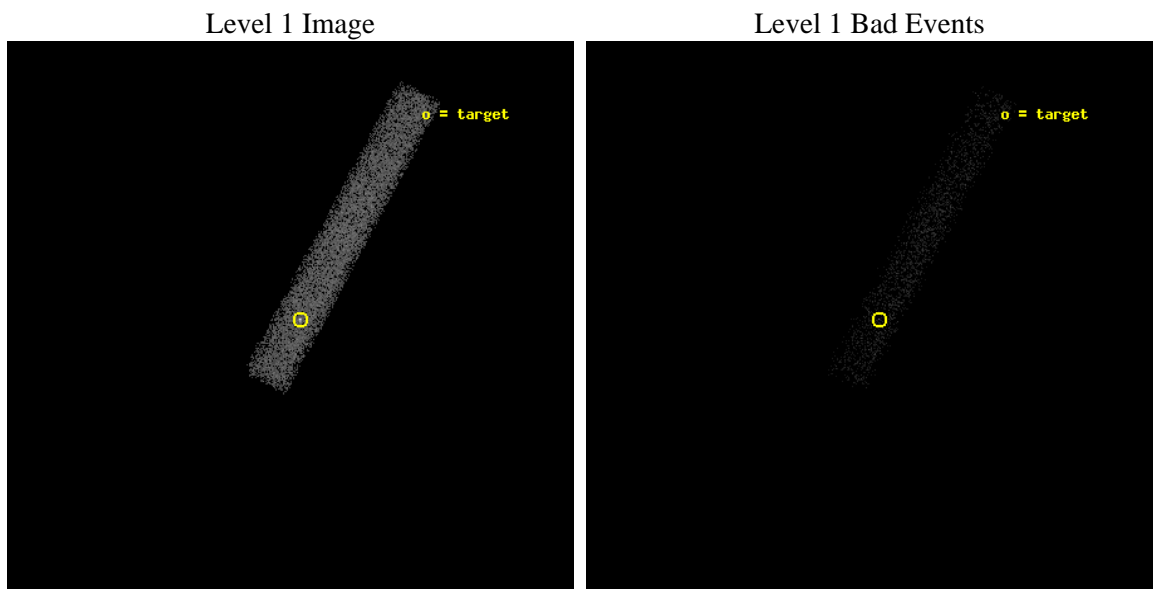
seq_num	701721	Sequence number
obs_id	9281	Observation id
title	Surveying X-ray Jets in Superluminal Blazars	Proposal title
observer	Dr. Matthew Lister	Principal investigator
object	0106+013	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.161667	Observer's specified target RA [deg]
dec_targ	1.583417	Observer's specified target Dec [deg]
ra_nom	17.165872042173	Nominal RA [deg]
dec_nom	1.5809519779808	Nominal Dec [deg]
roll_nom	298.33911469615	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9689.5994224548	Sum of GTIs [s]
livetime	8787.9552171729	Livetime [s]
ontime7	9689.5994224548	Sum of GTIs [s]
l2events	8346	Number of level 2 events



2 OBI

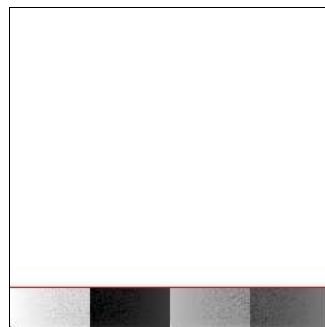
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9507.262000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	9689.5994224548	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	9689.5994224548	Sum of GTIs [s]
date	2012-05-05T05:07:48	Date and time of file creation	l1events	20002	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

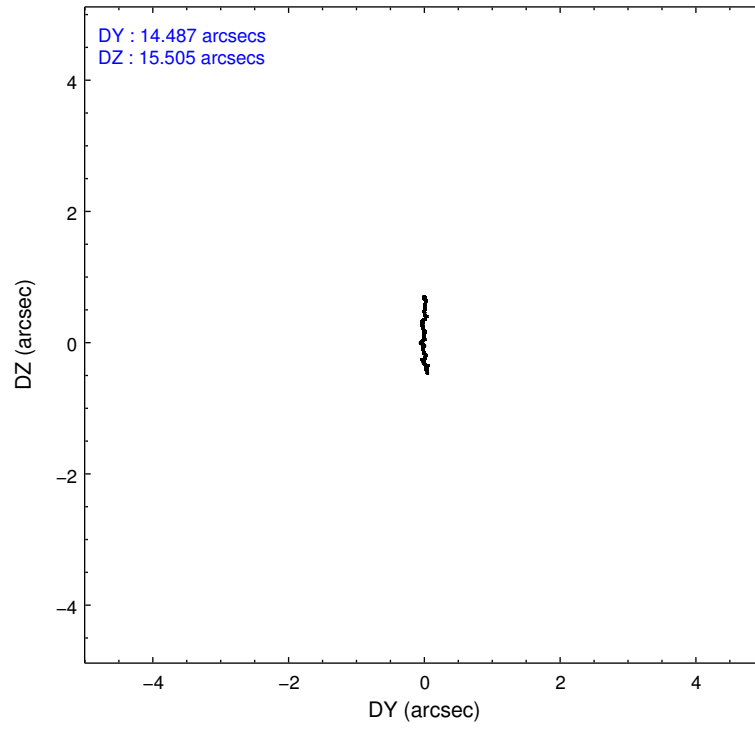
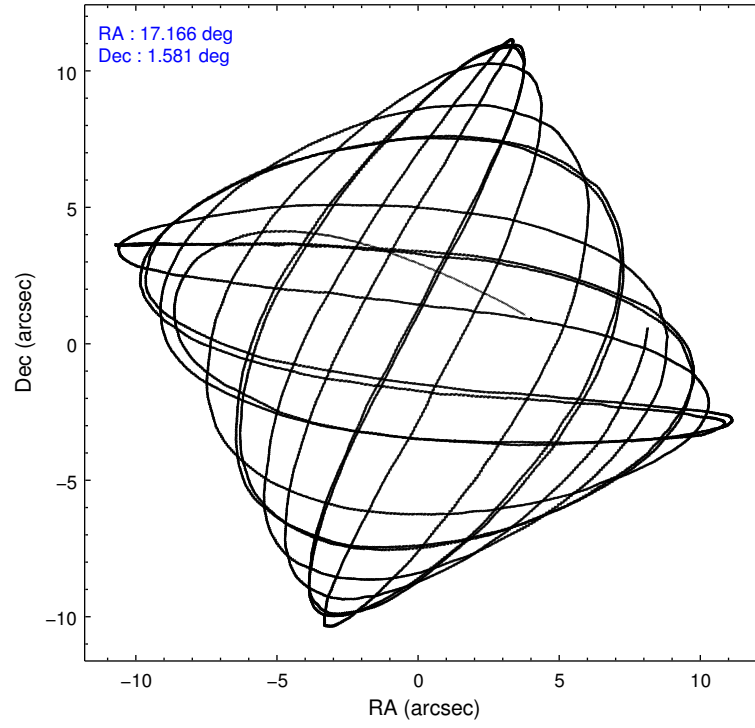
	ccd 7
level 1 events	20002
rejected events	11387
rejected %	56%

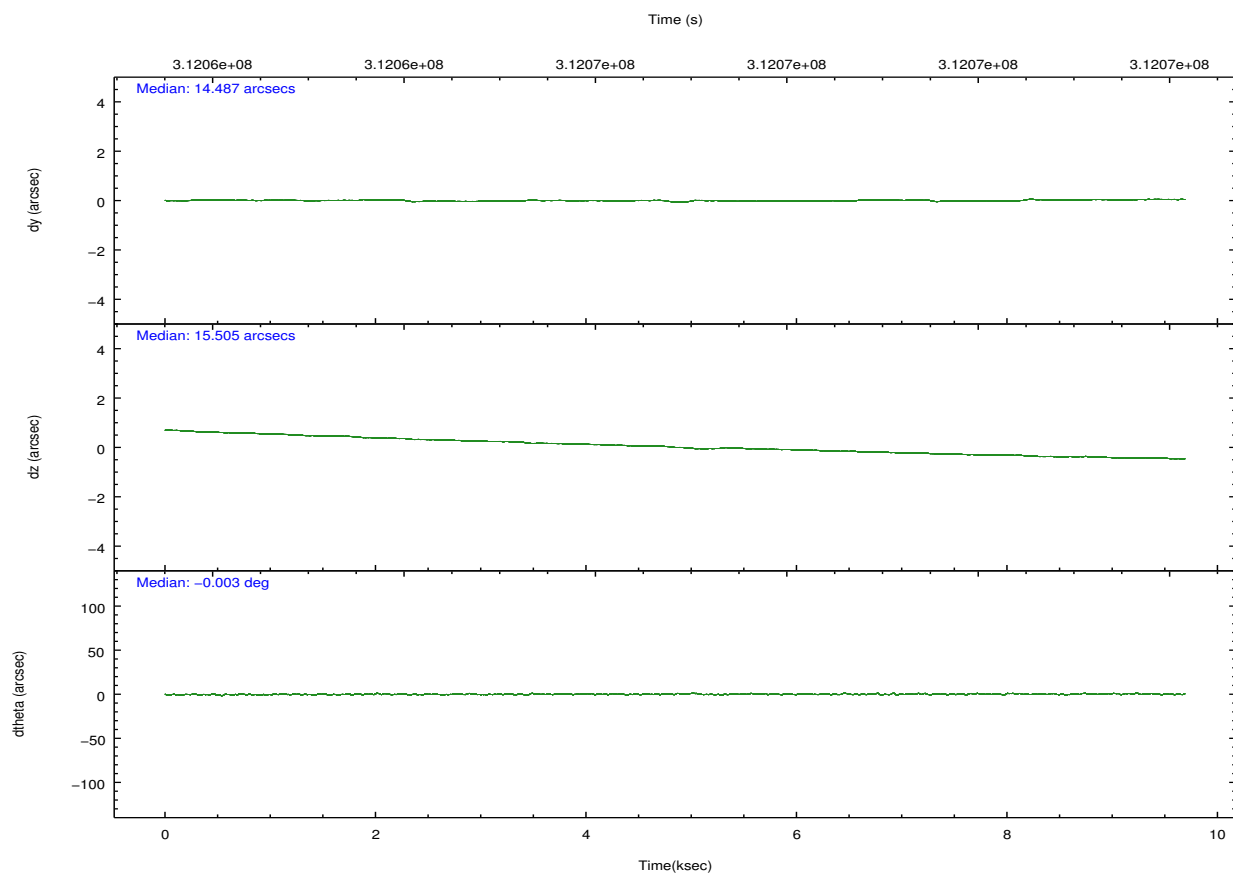
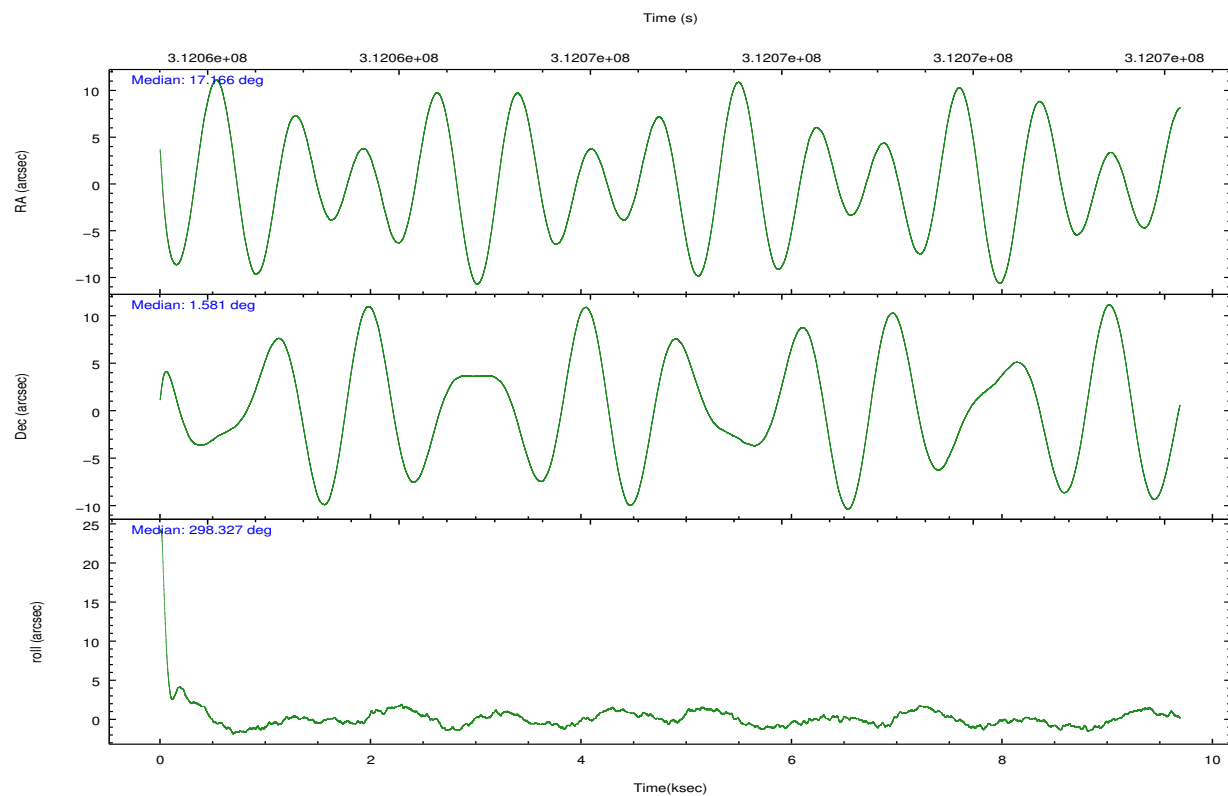
	ccd 7
grade 0 events	1100
	5%
grade 1 events	21
	0%
grade 2 events	1905
	9%
grade 3 events	1204
	6%
grade 4 events	1150
	5%
grade 5 events	1596
	7%
grade 6 events	4507
	22%
grade 7 events	8519
	42%

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	17.142388	17.16587204217339	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	1.595027	1.580951977980777	Subarray start row	1	1
[deg] Pointing Roll	298.183100	298.3391146961481	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	-179.382523	-179.3813108744966			
[mm] SIM translation stage offset	-10.75	-10.75121170851116			
[s] Observation start time (MET)	312062168.184000	312060418.72249			
Observation start date	2007-11-21T19:55:03	2007-11-21T19:26:58			
[s] Observation end time (MET)	312071676.184000	312071893.08554			
Observation end date	2007-11-21T22:33:31	2007-11-21T22:38:13			
Read mode	TIMED	TIMED			

2.3 Aspect



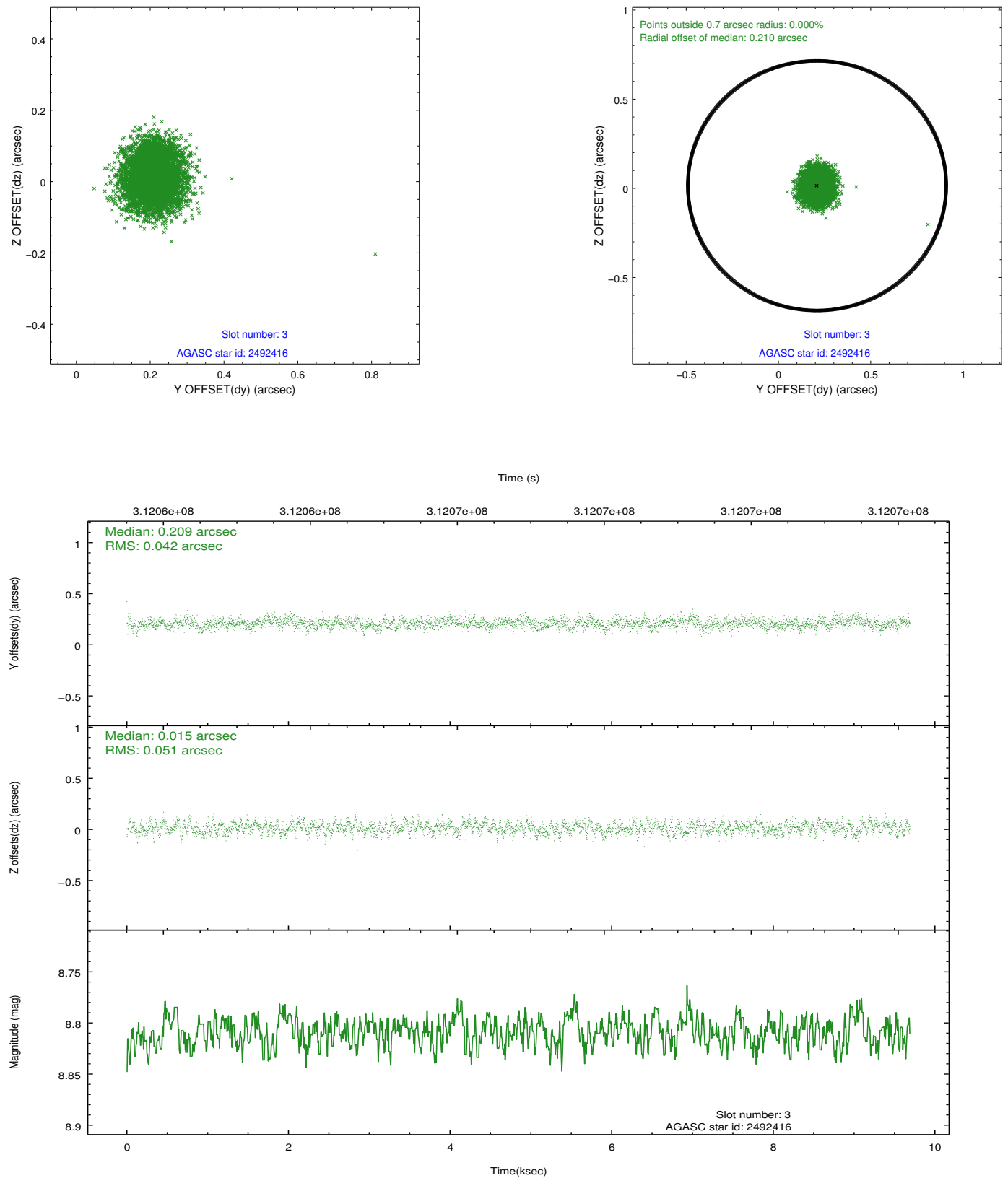


Slot Statistics

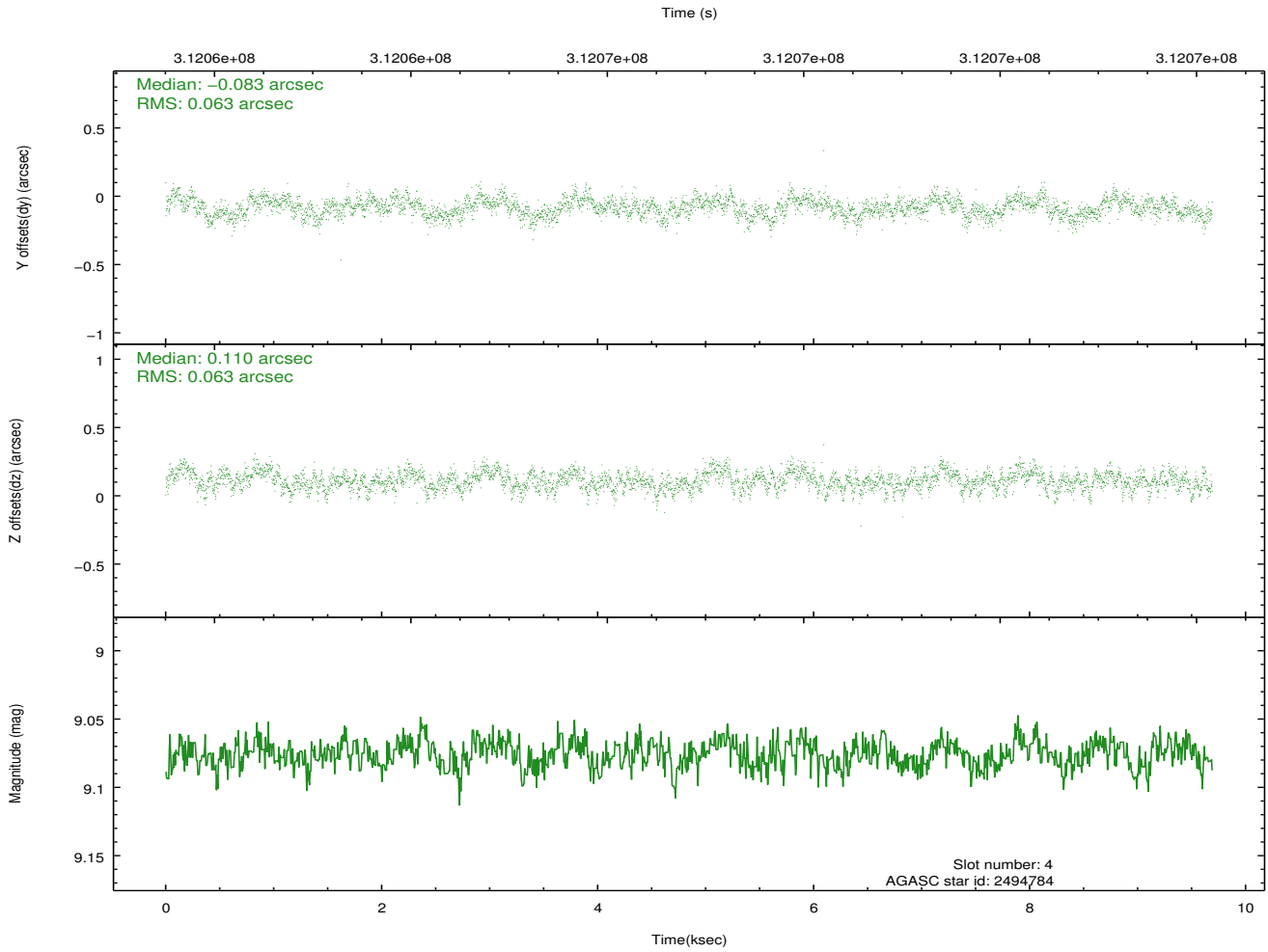
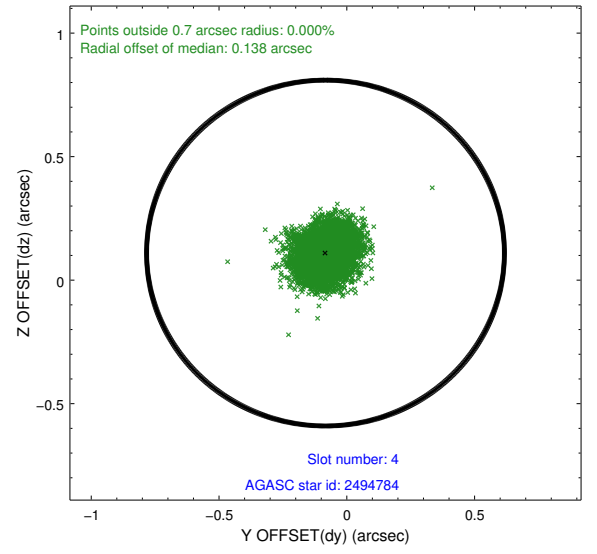
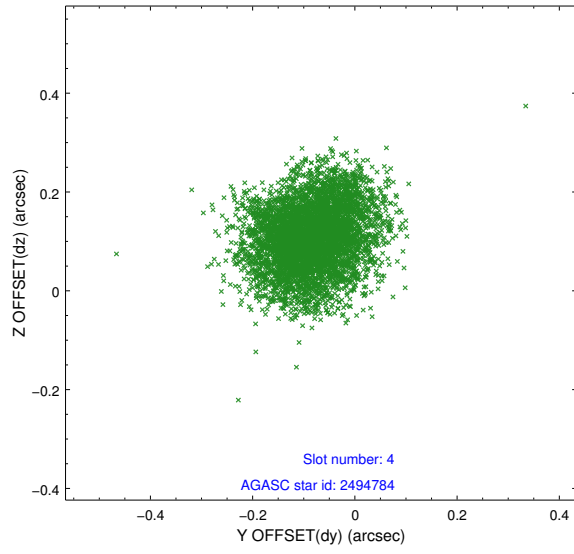
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2363	0.184	0.066	0.007	0.012	0.000000	0.000000	929.49	-1953.90
1	FID	ACIS-S-5	7.24	2364	-0.200	0.182	0.007	0.012	0.000000	0.000000	-1819.50	-56.80
2	FID	ACIS-S-6	7.40	2363	-0.005	-0.238	0.008	0.014	0.000000	0.000000	394.36	587.28
3	GUIDE	2492416	8.81	4725	0.209	0.015	0.070	0.111	16.803588	1.355176	185.78	-1481.91
4	GUIDE	2494784	9.08	4724	-0.083	0.110	0.096	0.152	16.552098	1.950471	-2130.35	-1267.20
5	GUIDE	2496872	8.83	4724	0.023	-0.100	0.077	0.123	16.933662	1.413437	221.54	-970.47
6	GUIDE	2500304	8.63	4727	-0.052	-0.037	0.070	0.117	16.571799	1.448277	-503.76	-2059.14
7	GUIDE	2495584	9.13	4722	-0.094	0.014	0.077	0.126	17.258321	2.240143	-1850.33	1463.94

2.4 Star Slots

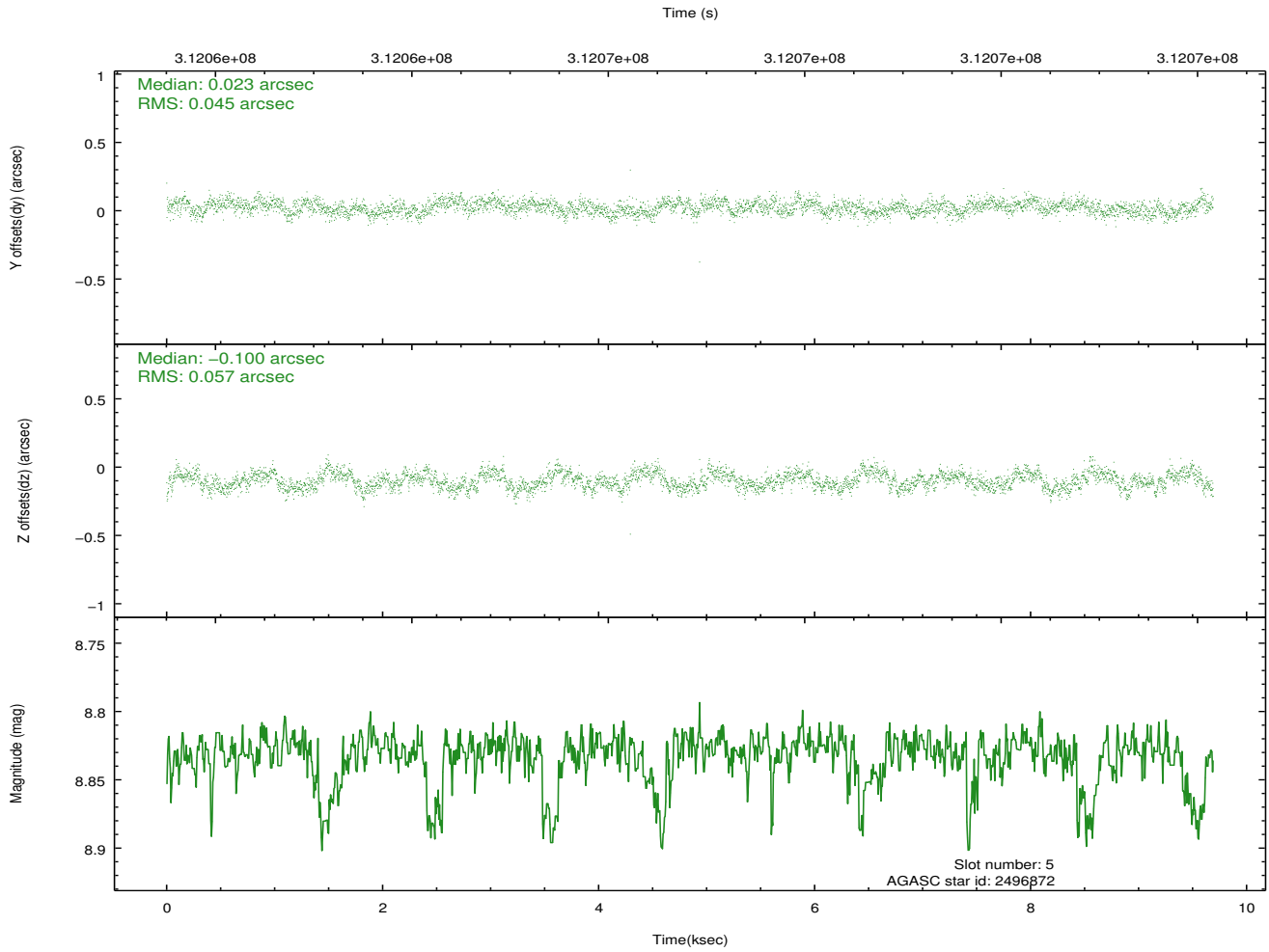
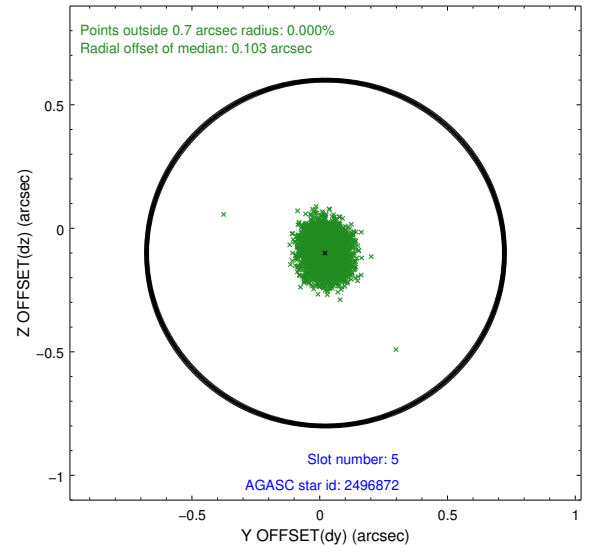
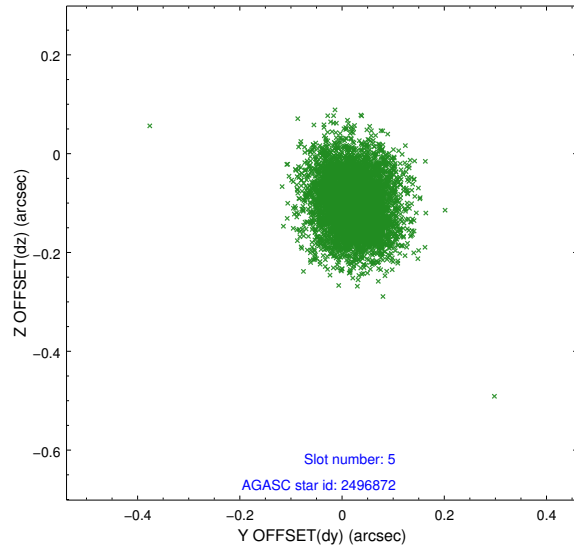
2.4.1 Slot 3



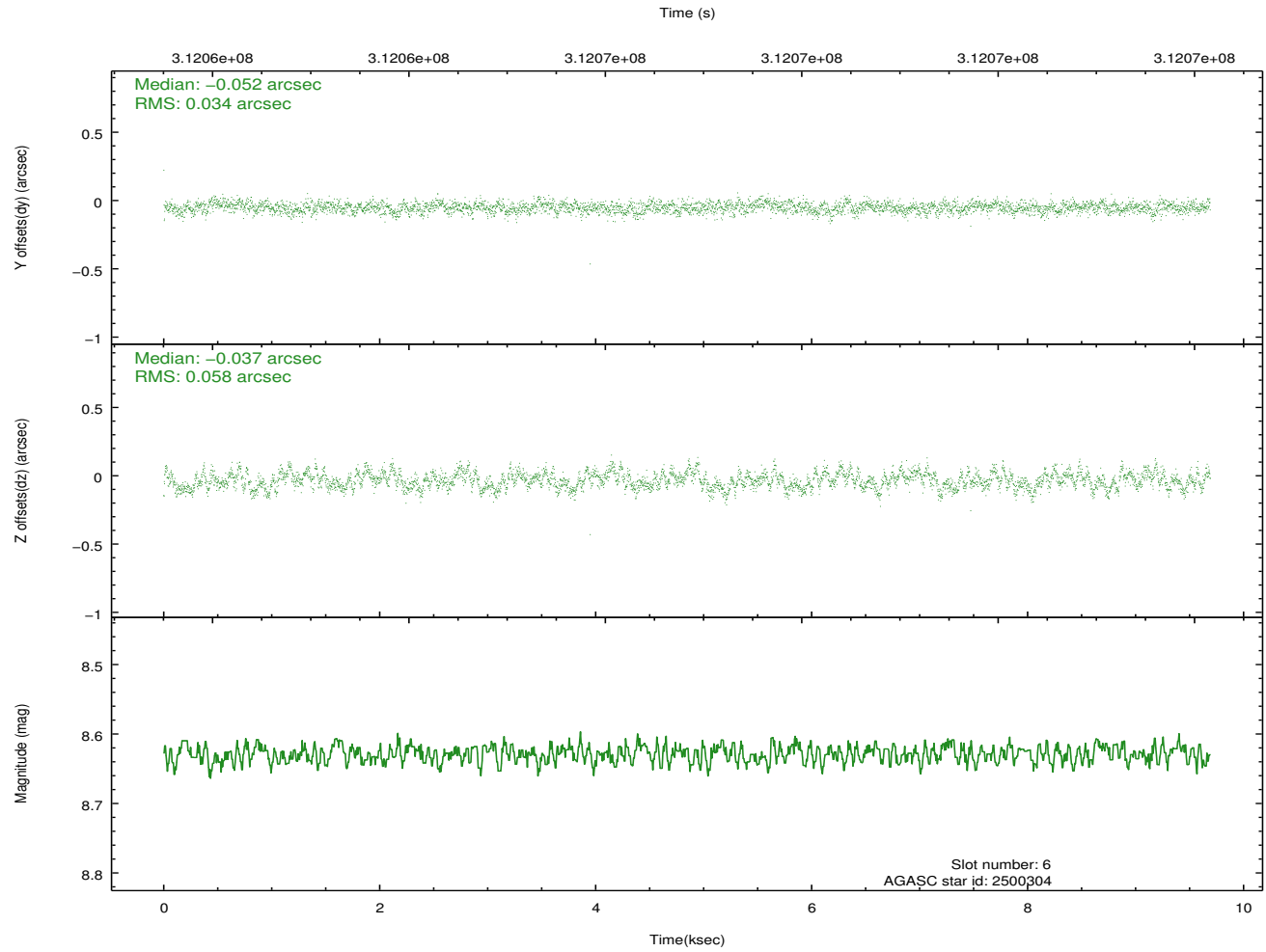
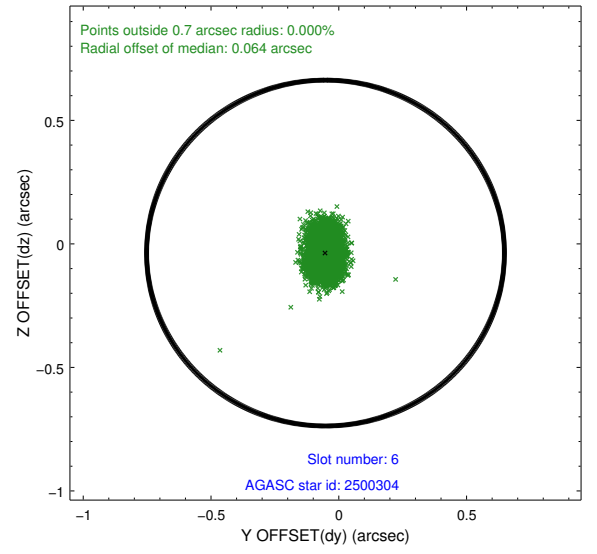
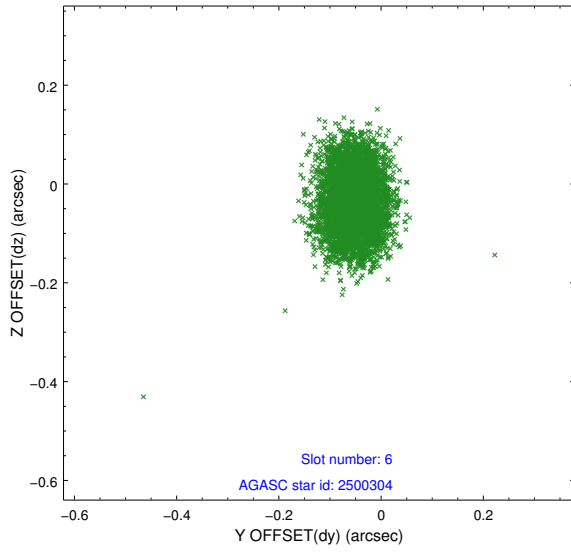
2.4.2 Slot 4



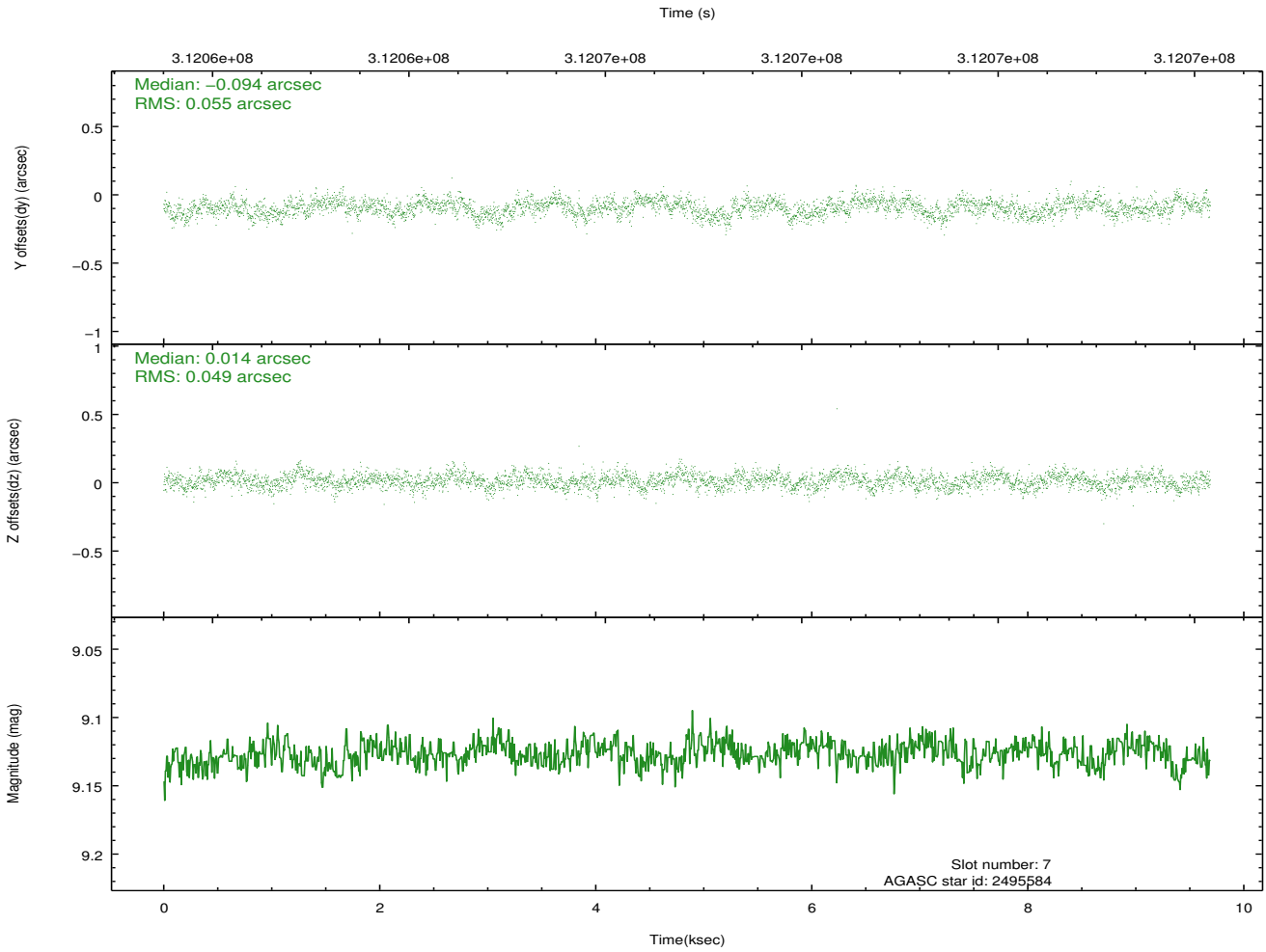
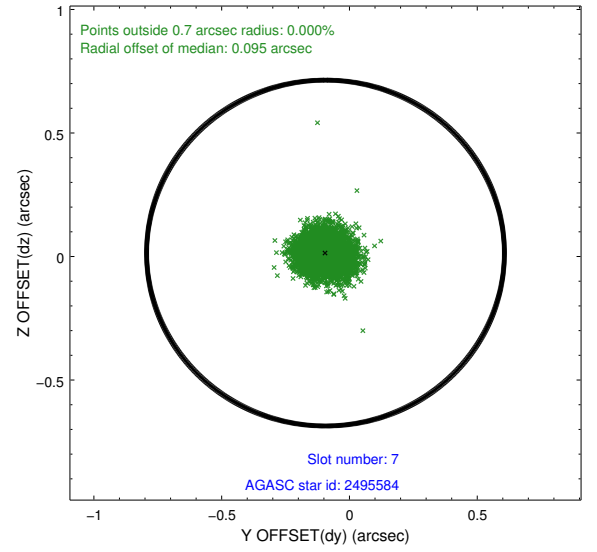
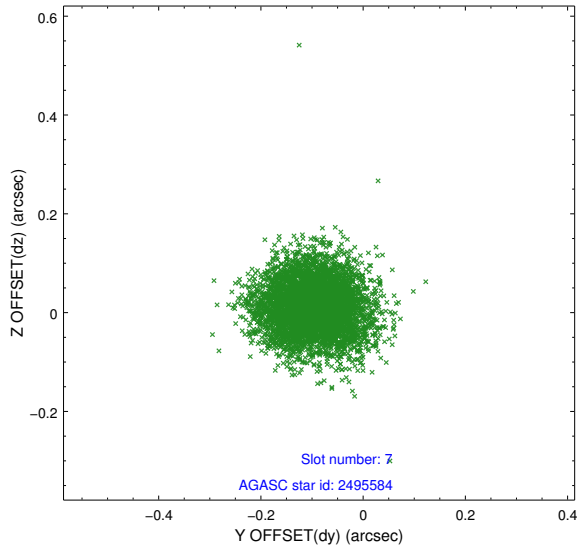
2.4.3 Slot 5



2.4.4 Slot 6

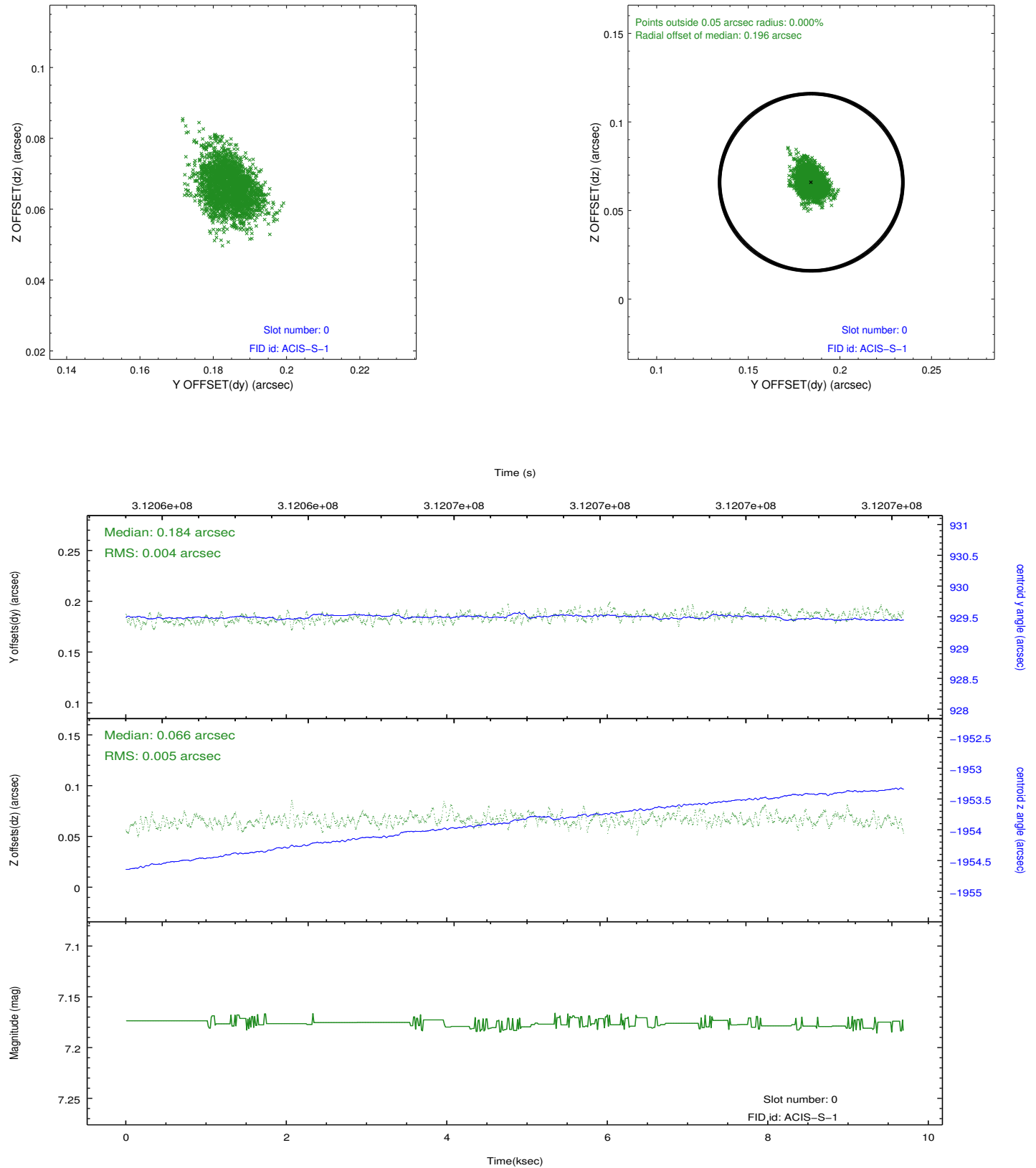


2.4.5 Slot 7

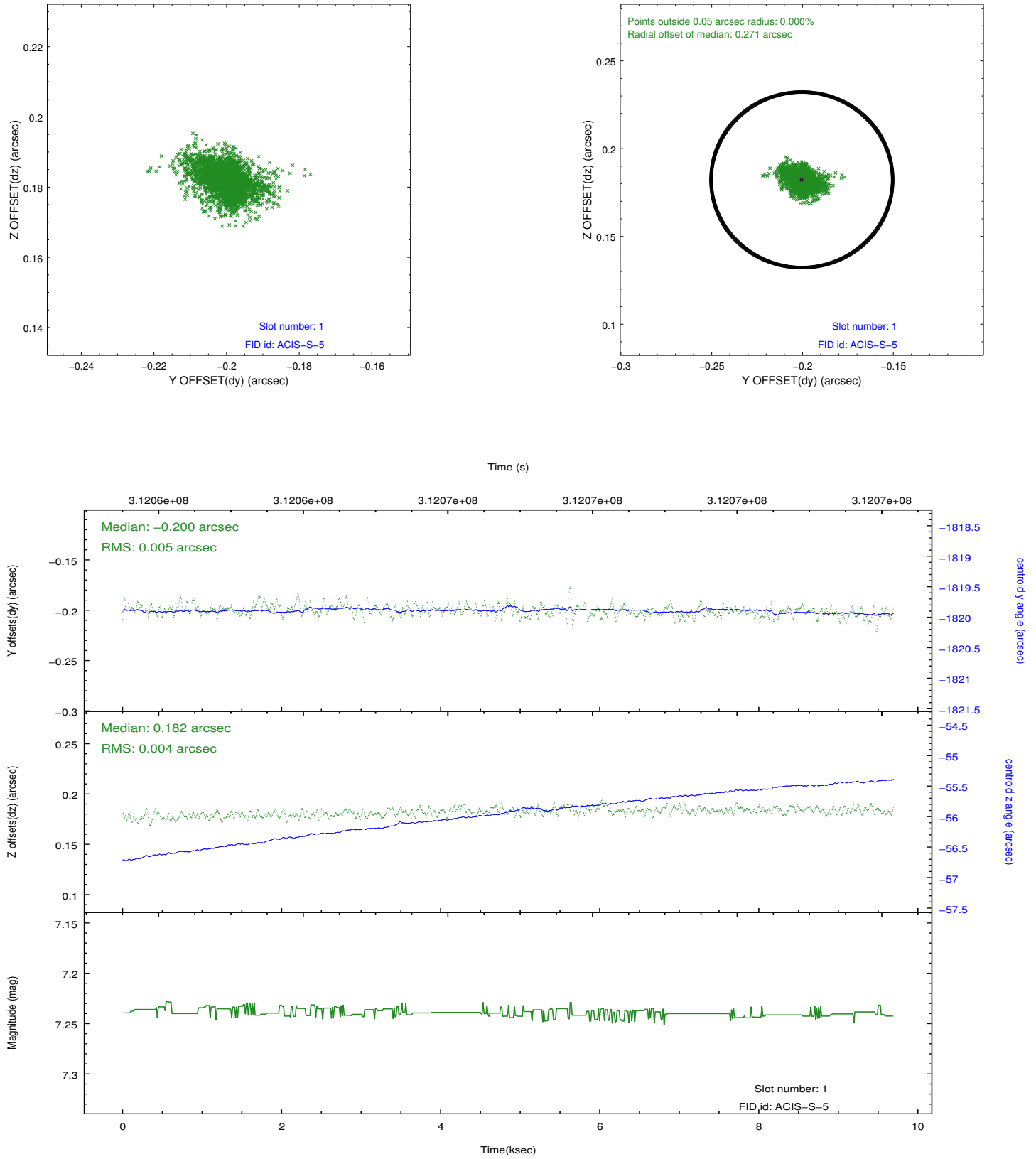


2.5 FID Slots

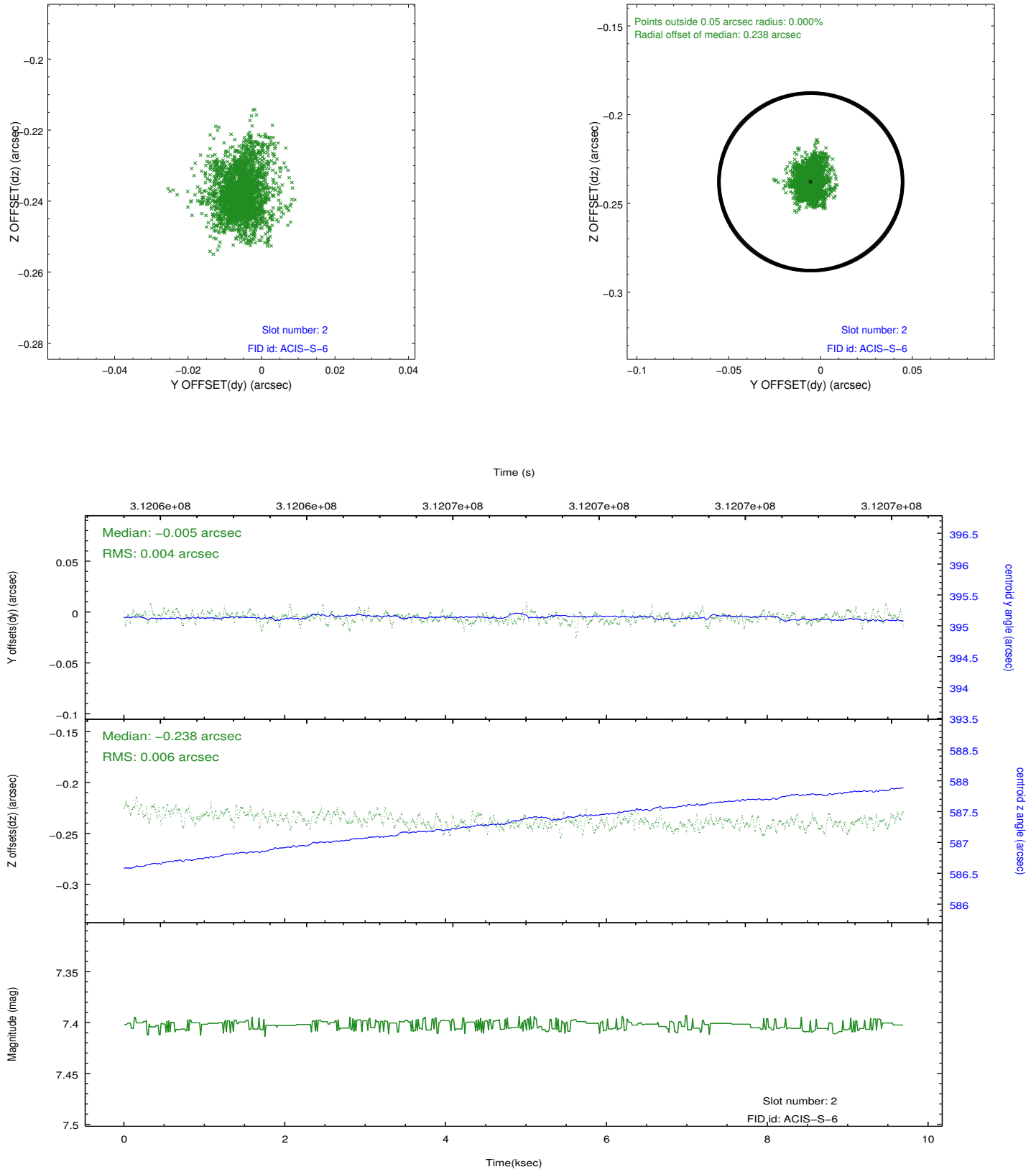
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.68959942

A.2 Comments