

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13901 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jan 7 2012

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1 Front

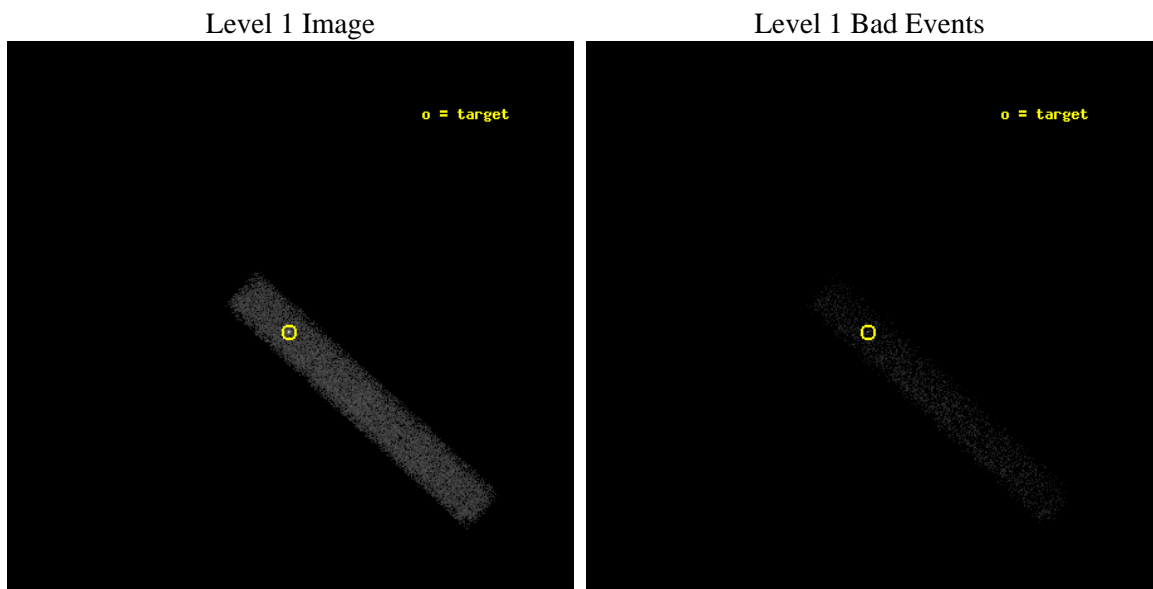
seq_num	702626	Sequence number
obs_id	13901	Observation id
title	CHANDRA SURVEY OF DUAL ACTIVATION IN HARD X-RAY SELECTED MERGING AGN HOSTS	Proposal title
observer	Dr. Richard Mushotzky	Principal investigator
object	2MASX J16311554+2352577	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.814583	Observer's specified target RA [deg]
dec_targ	23.882639	Observer's specified target Dec [deg]
ra_nom	247.81403453034	Nominal RA [deg]
dec_nom	23.88561561162	Nominal Dec [deg]
roll_nom	42.337209228684	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20010.398807287	Sum of GTIs [s]
livetime	18148.375482756	Livetime [s]
ontime7	20010.398807287	Sum of GTIs [s]
l2events	14908	Number of level 2 events



2 OBI

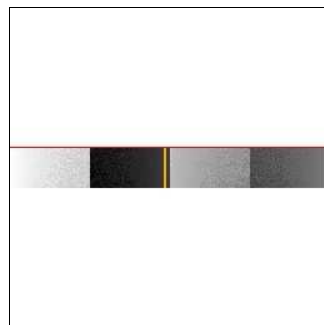
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	20010.398807287	Sum of GTIs [s]
caldsver	4.4.7	 	ontime7	20010.398807287	Sum of GTIs [s]
date	2012-01-07T06:48:41	Date and time of file creation	l1events	26813	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

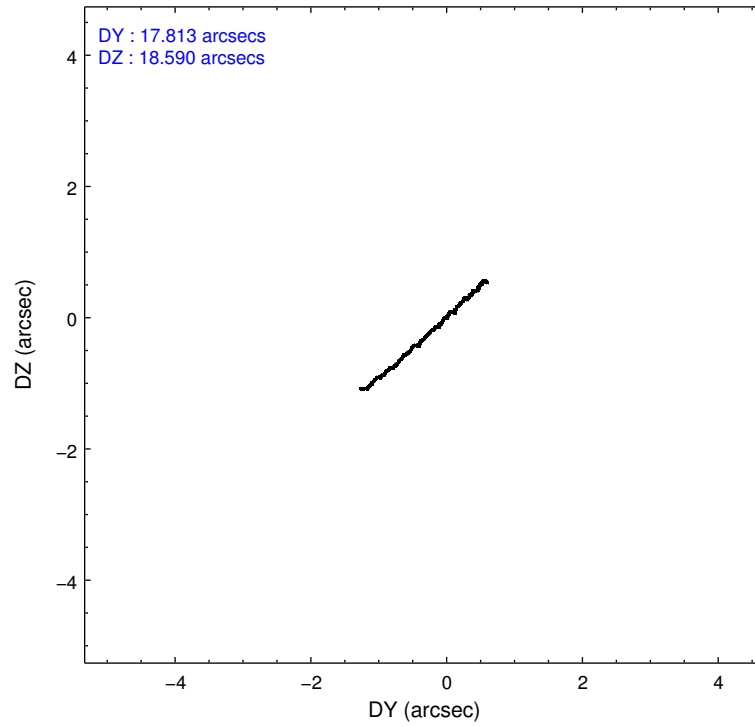
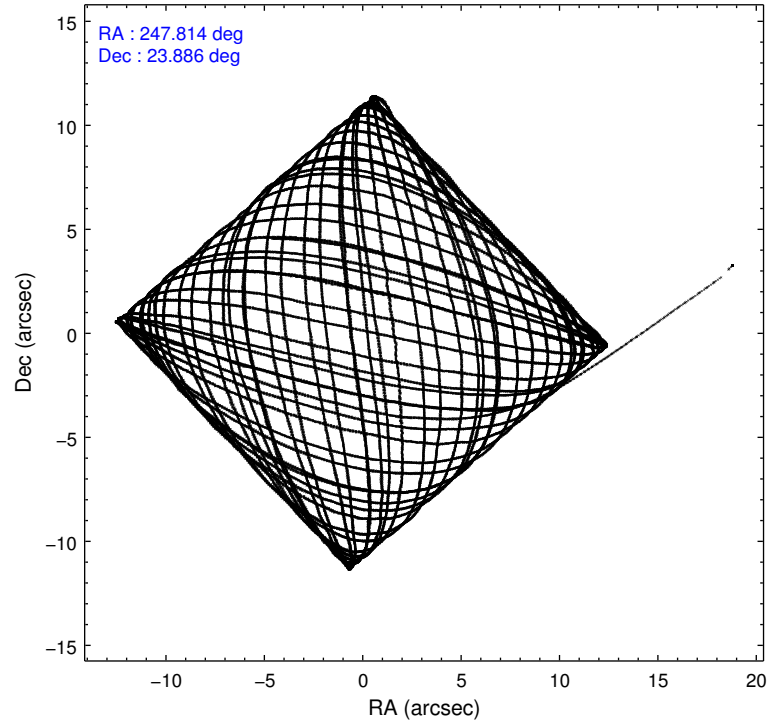
	ccd 7
level 1 events	26813
rejected events	11371
rejected %	42%

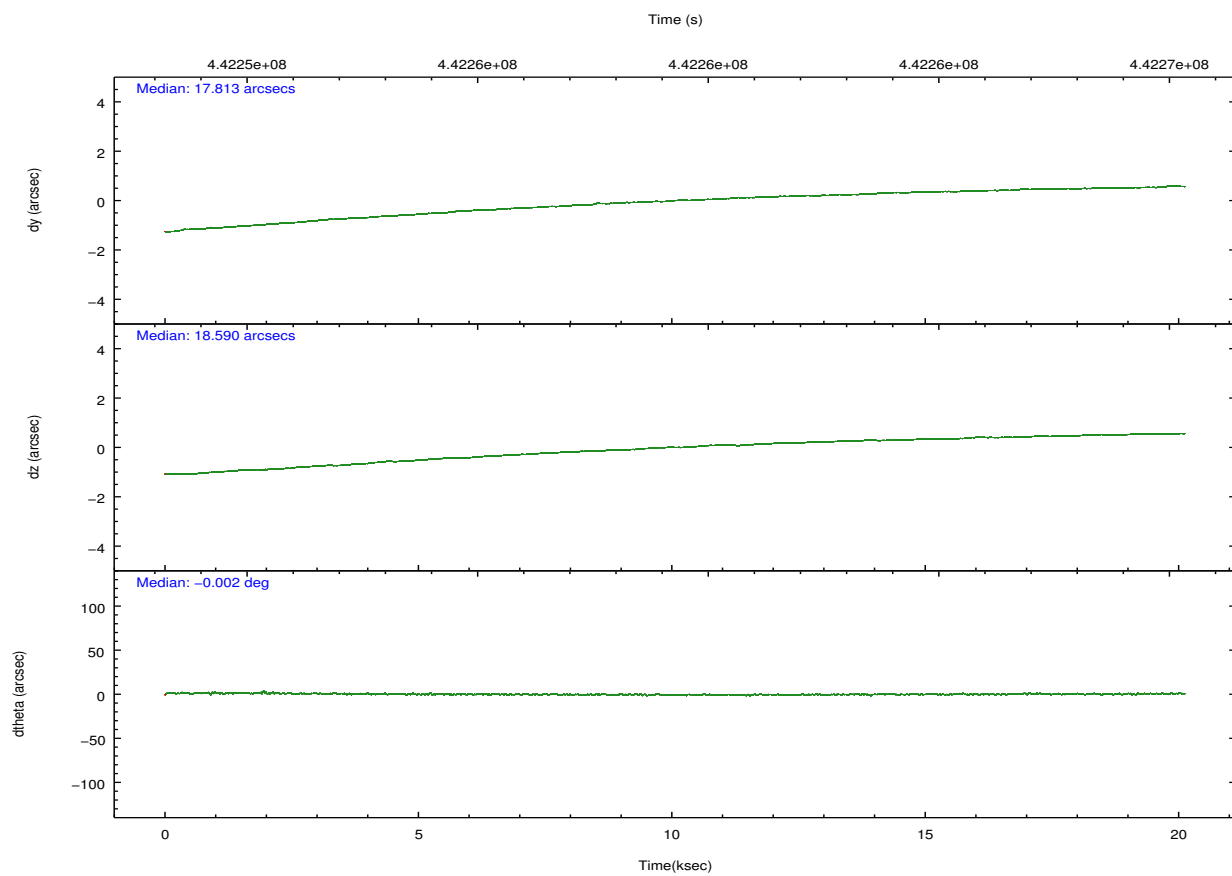
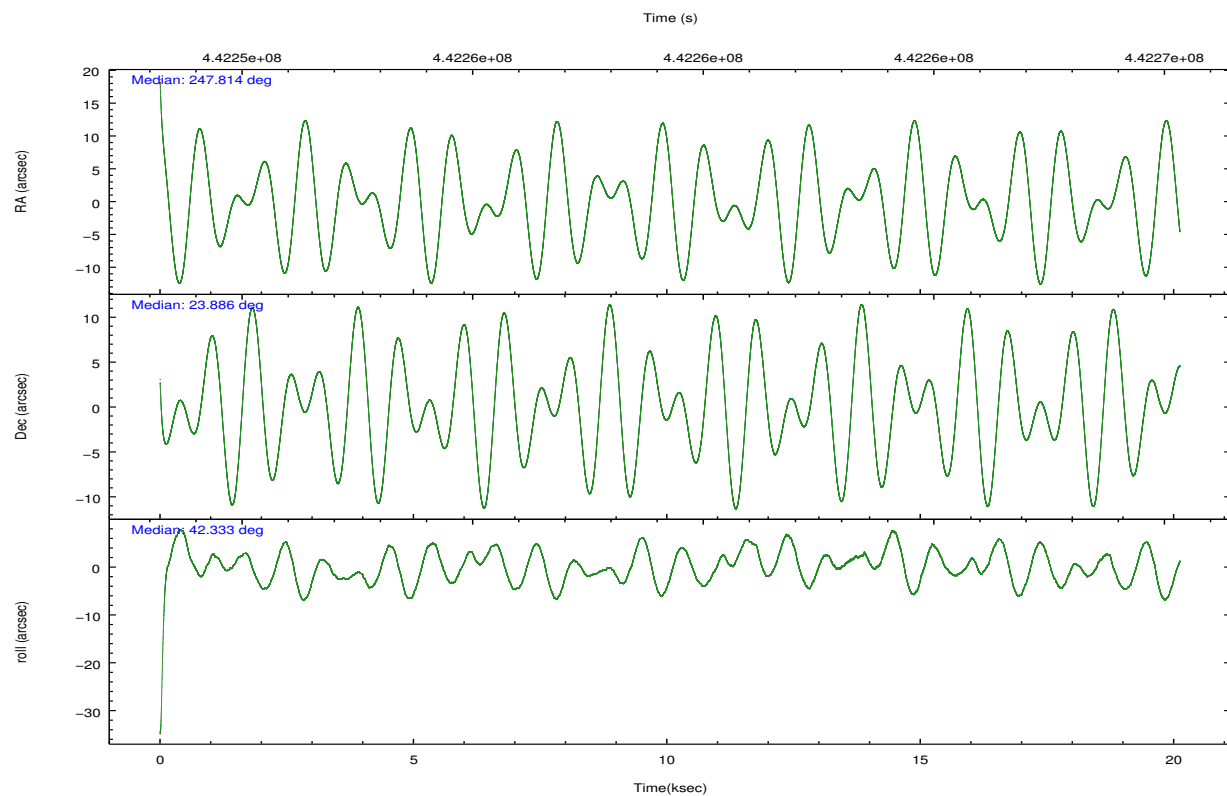
	ccd 7
grade 0 events	2285
	8%
grade 1 events	40
	0%
grade 2 events	3163
	11%
grade 3 events	2008
	7%
grade 4 events	1962
	7%
grade 5 events	2375
	8%
grade 6 events	6024
	22%
grade 7 events	8956
	33%

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	247.805331	247.8140345303374	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	23.859454	23.88561561162008	Subarray start row	449	449
[deg] Pointing Roll	42.184129	42.33720922868434	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	442249340.184000	442247609.17141			
Observation start date	2012-01-06T15:01:14	2012-01-06T14:33:29			
[s] Observation end time (MET)	442269340.184000	442269964.93509			
Observation end date	2012-01-06T20:34:34	2012-01-06T20:46:04			
Read mode	TIMED	TIMED			

2.3 Aspect



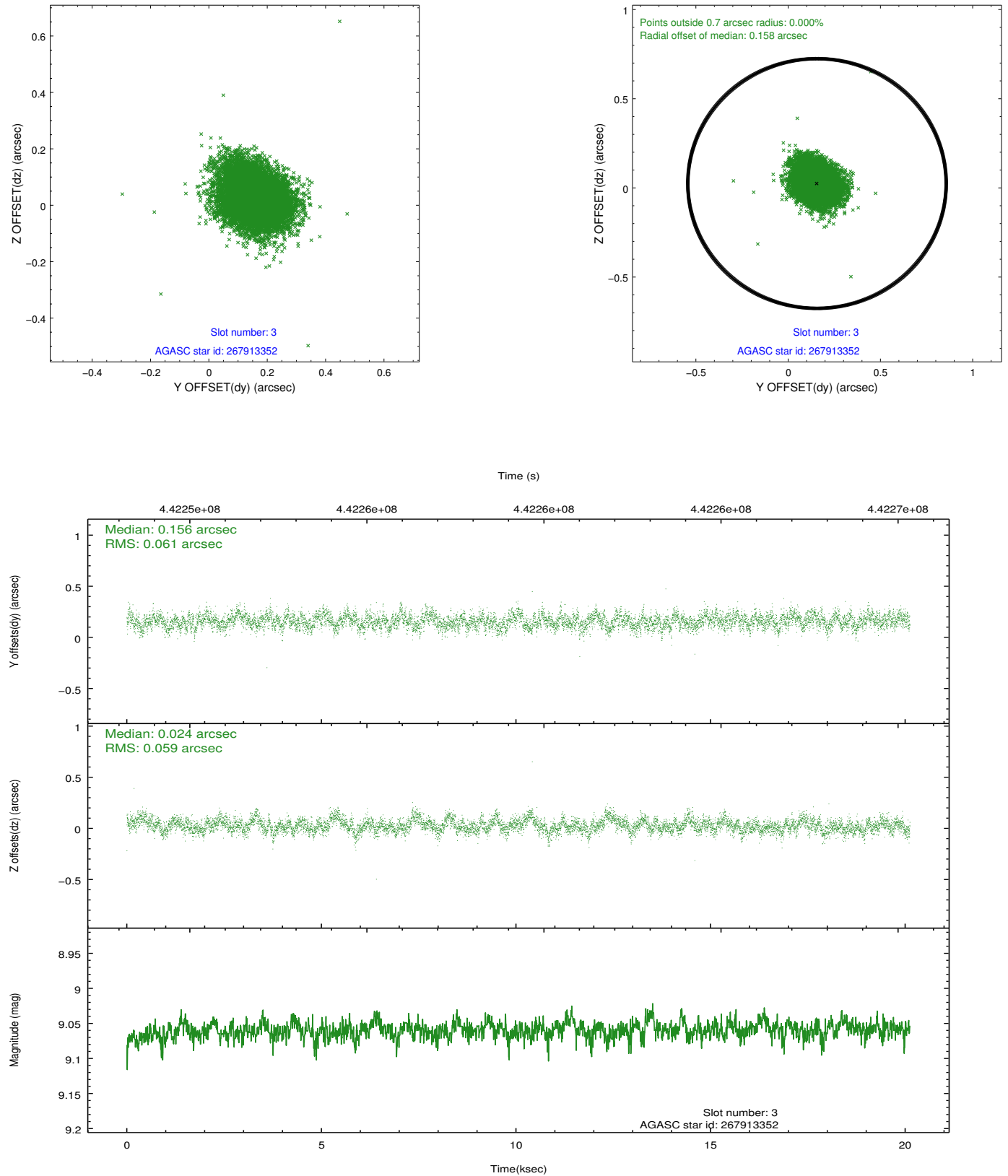


Slot Statistics

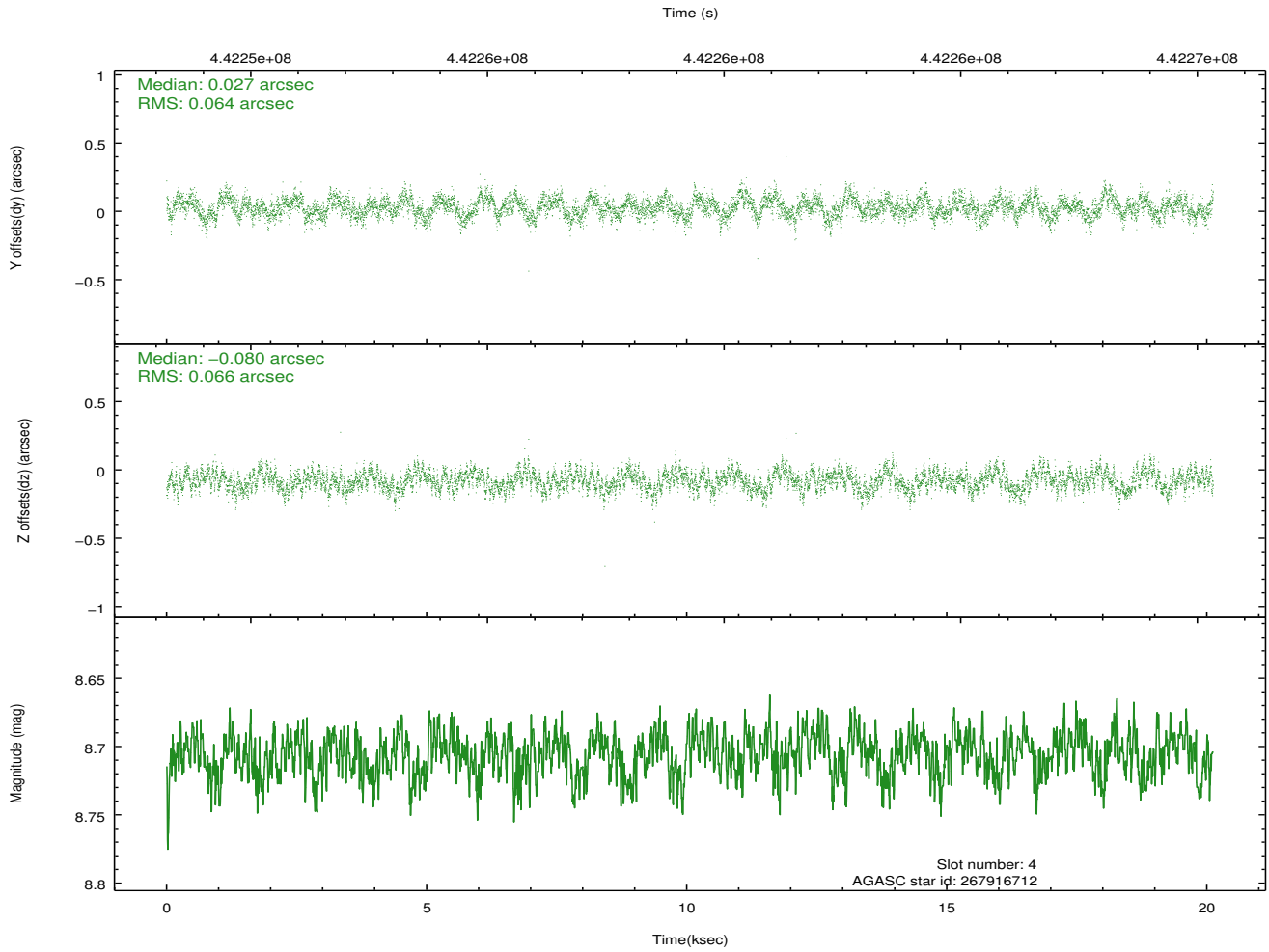
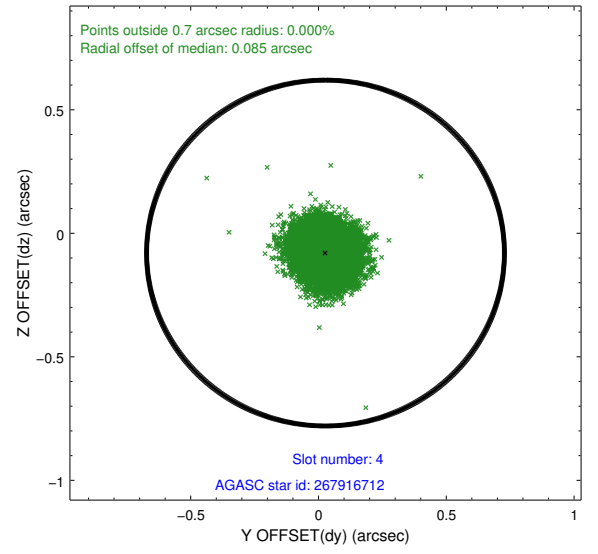
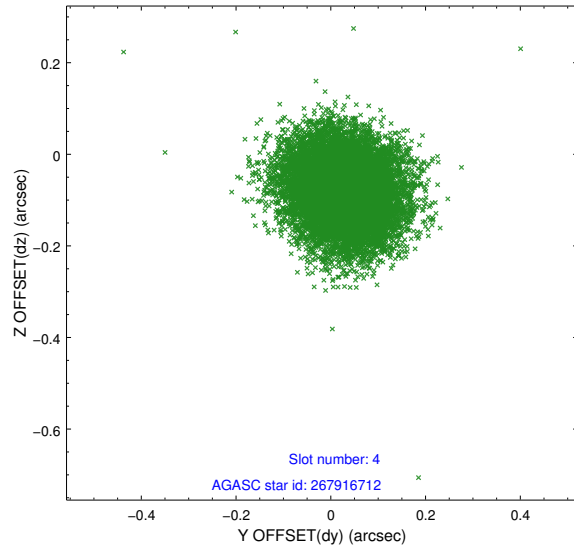
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	4907	0.096	0.031	0.016	0.056	0.000000	0.000000	925.30	-1735.51
1	FID	ACIS-S-2	6.91	4908	-0.205	-0.077	0.020	0.045	0.000000	0.000000	-770.80	-1740.25
2	FID	ACIS-S-4	6.98	4908	0.083	0.052	0.020	0.030	0.000000	0.000000	2142.55	168.42
3	GUIDE	267913352	9.06	9809	0.156	0.024	0.089	0.148	246.999048	23.836770	-2016.96	1728.37
4	GUIDE	267916712	8.71	9816	0.027	-0.080	0.099	0.154	247.745965	23.985695	160.38	468.79
5	GUIDE	267917440	9.23	9788	0.051	0.334	0.121	0.205	248.306308	23.517602	401.18	-2020.11
6	GUIDE	267918104	7.53	9815	0.139	-0.054	0.058	0.096	247.355225	23.631151	-1650.10	389.45
7	GUIDE	268441360	8.92	9807	-0.370	-0.231	0.077	0.125	247.999125	24.654952	2392.71	1696.85

2.4 Star Slots

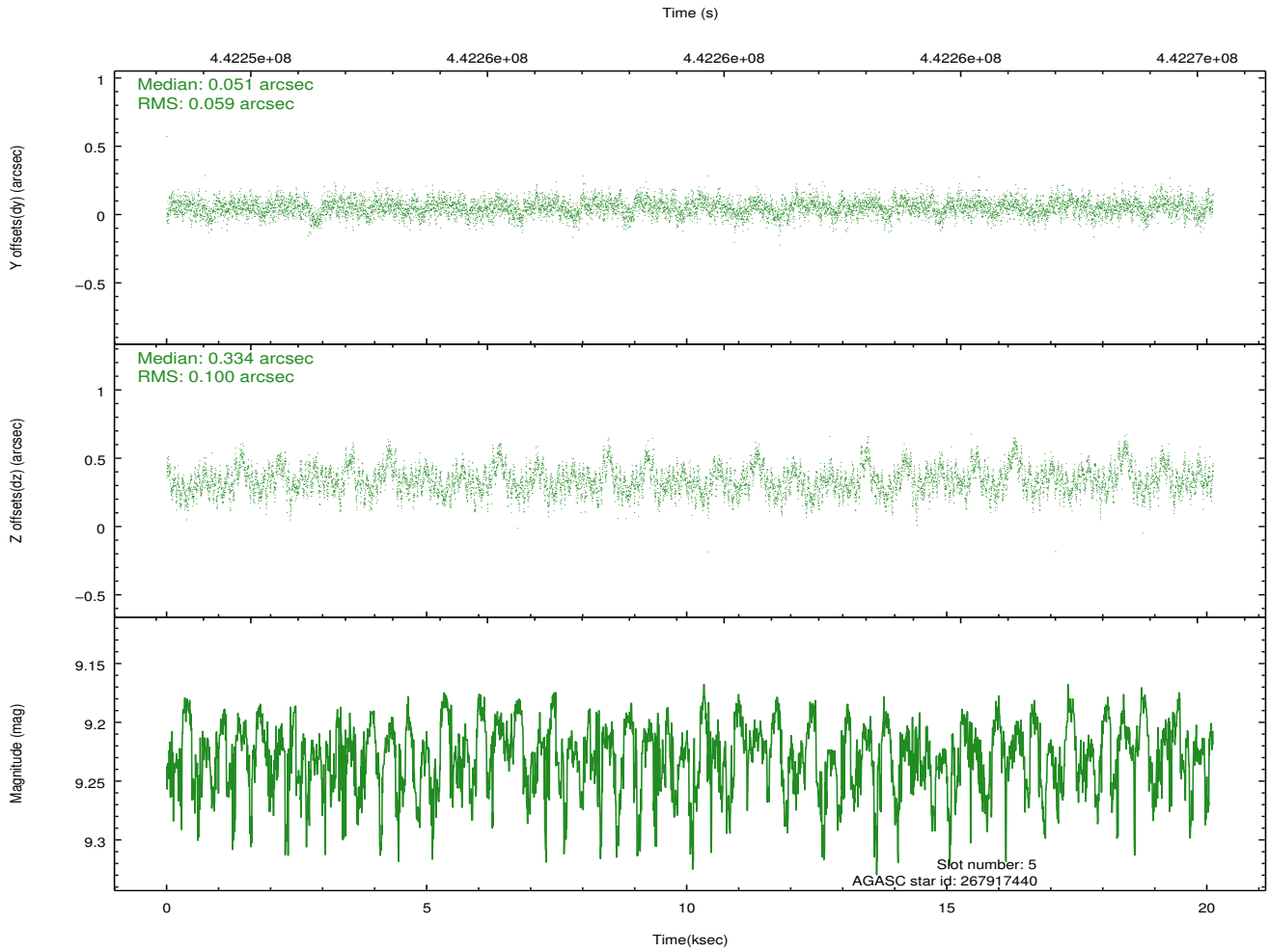
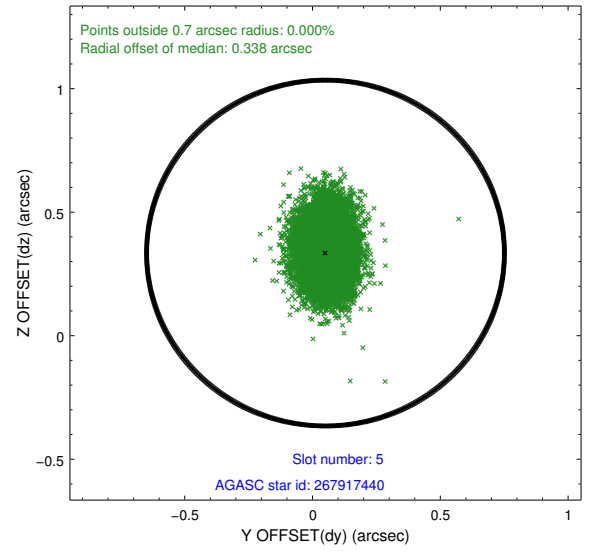
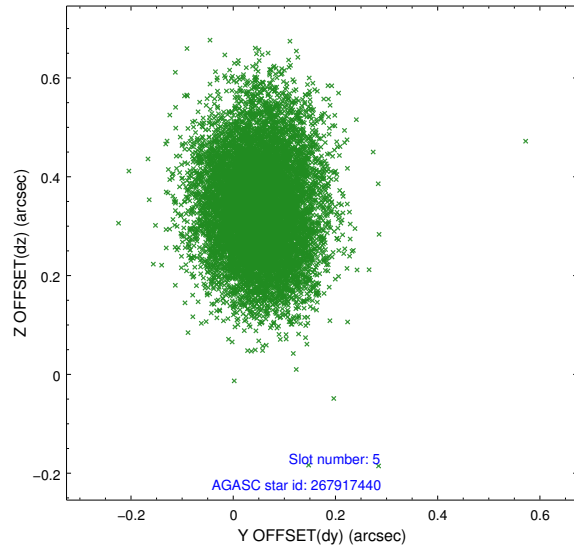
2.4.1 Slot 3



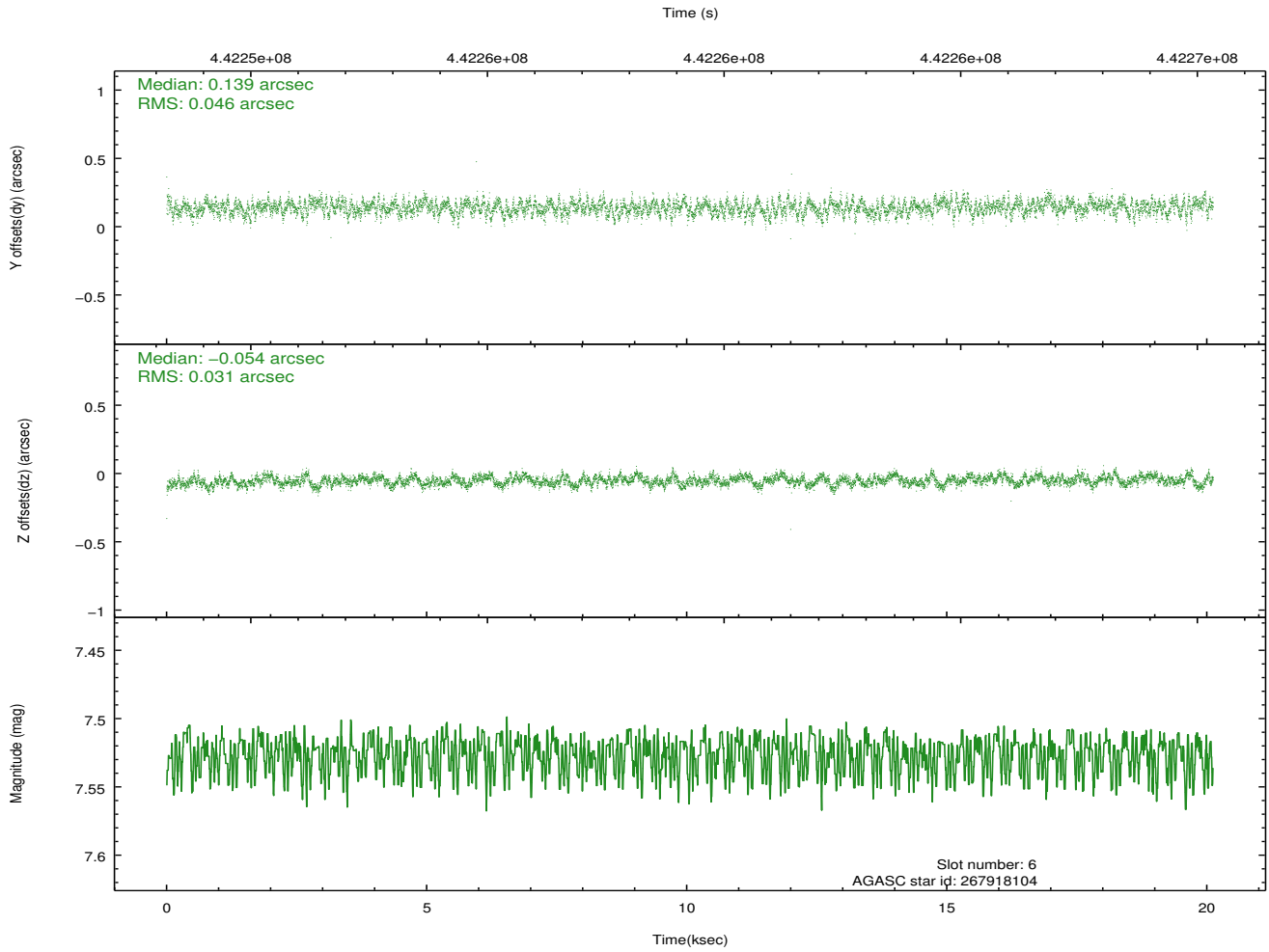
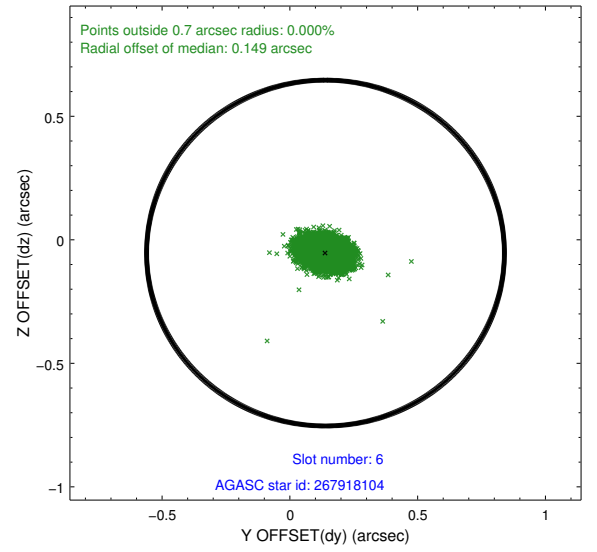
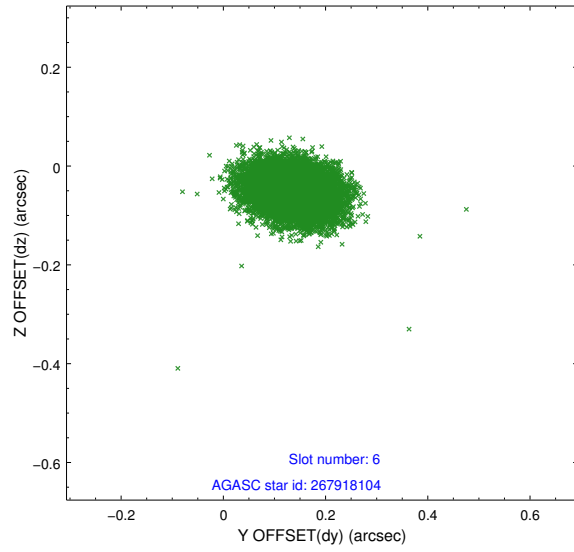
2.4.2 Slot 4



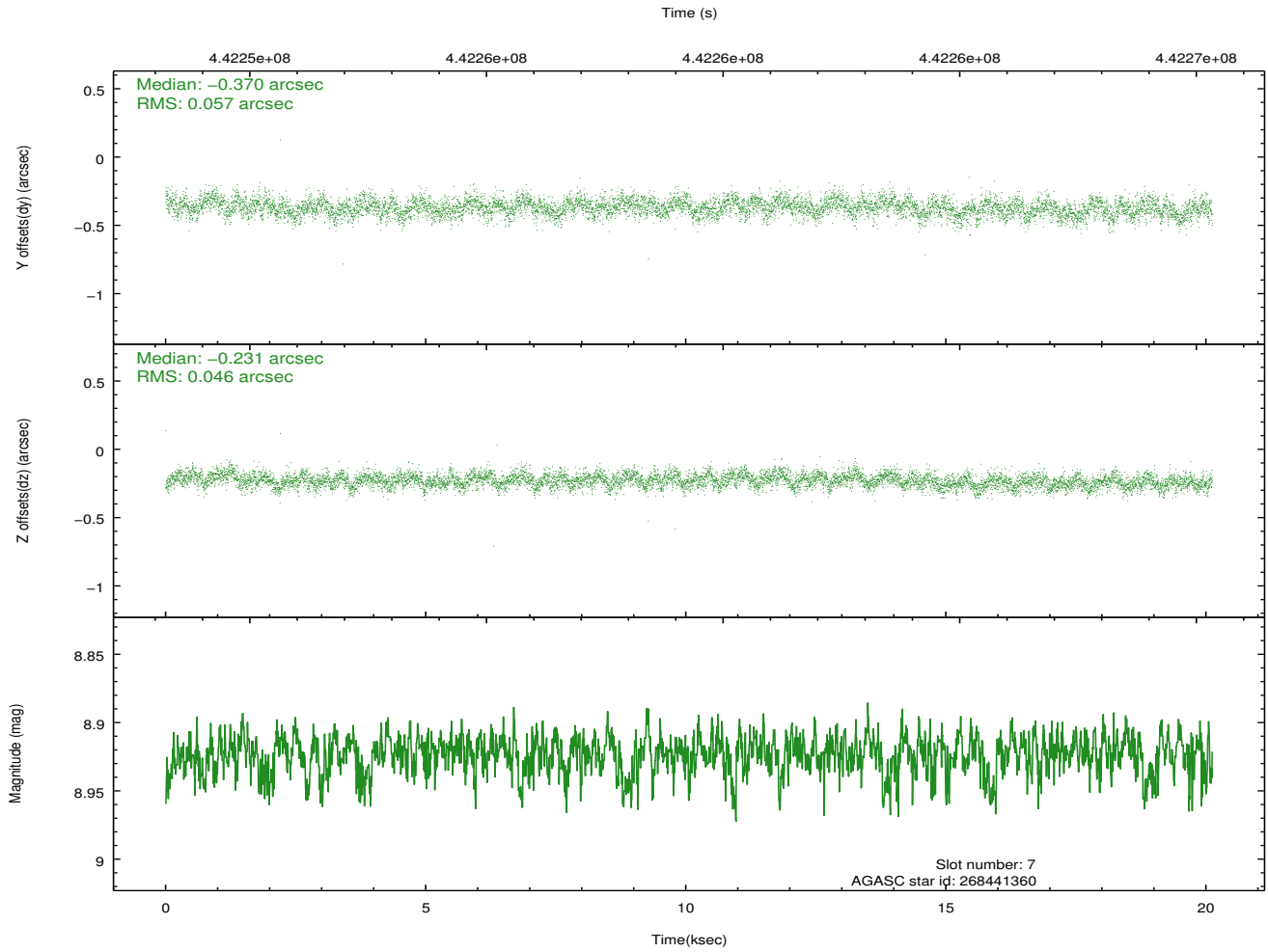
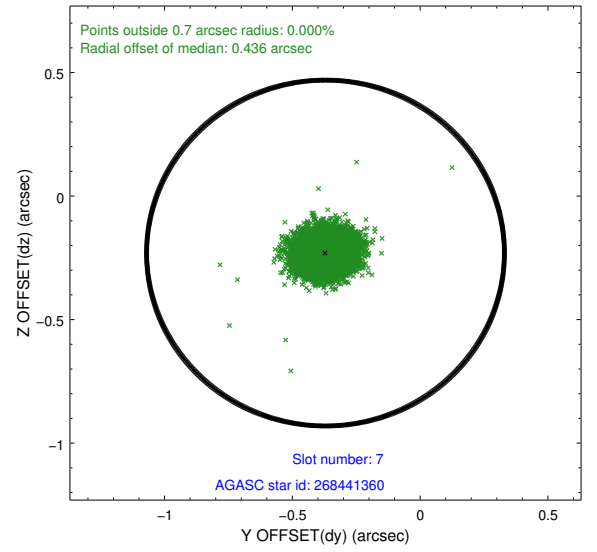
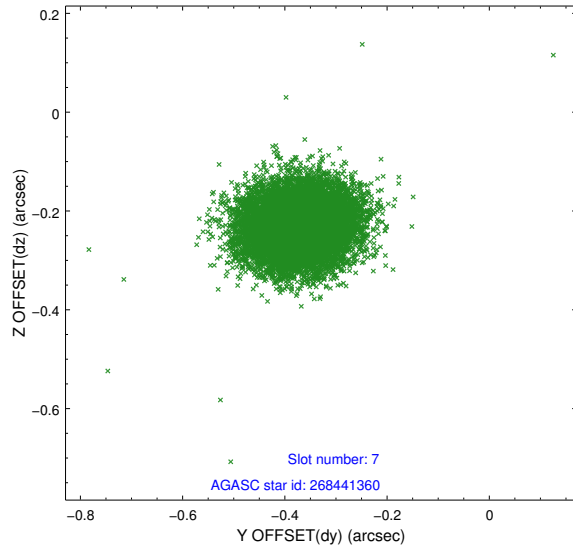
2.4.3 Slot 5



2.4.4 Slot 6

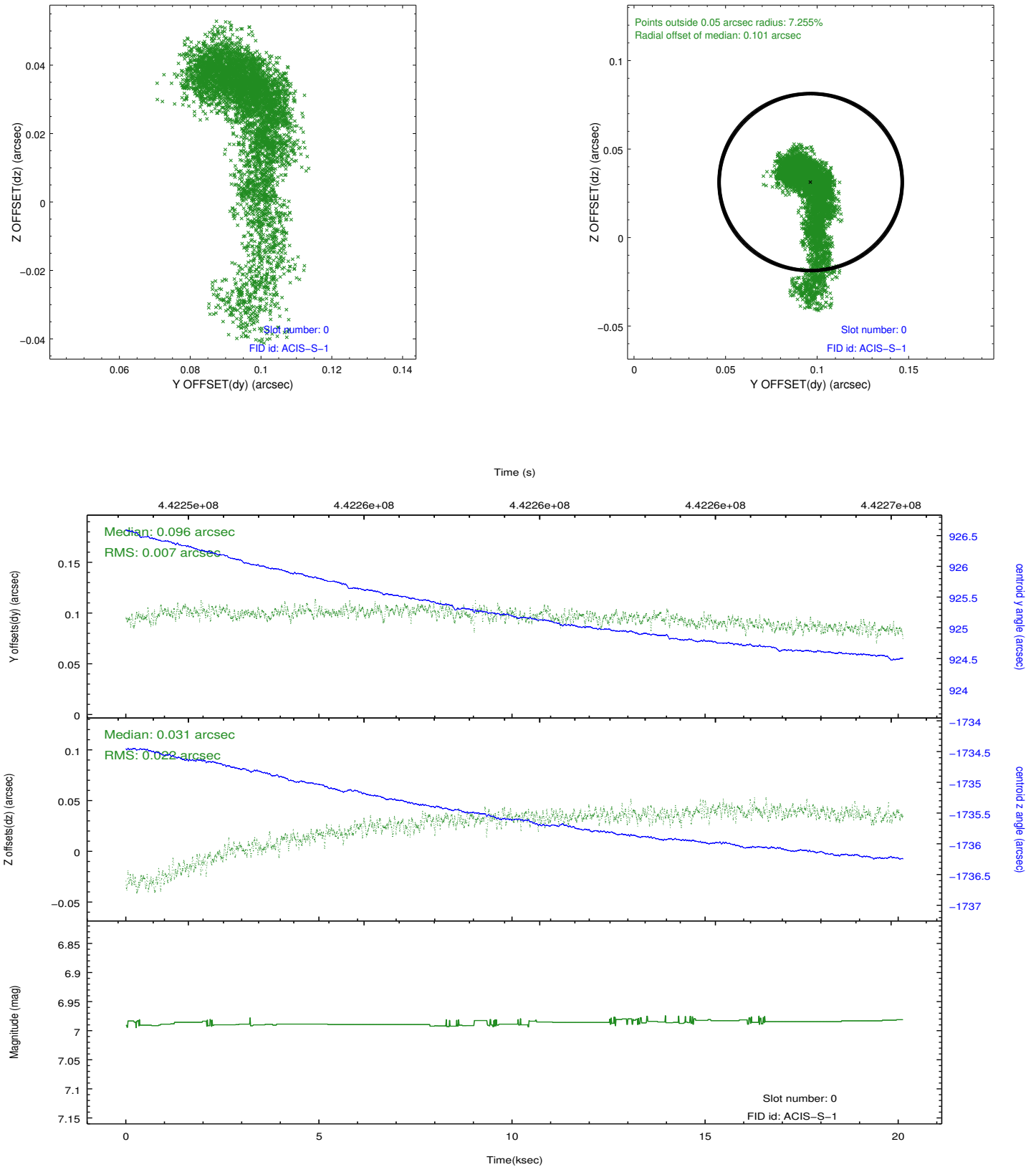


2.4.5 Slot 7

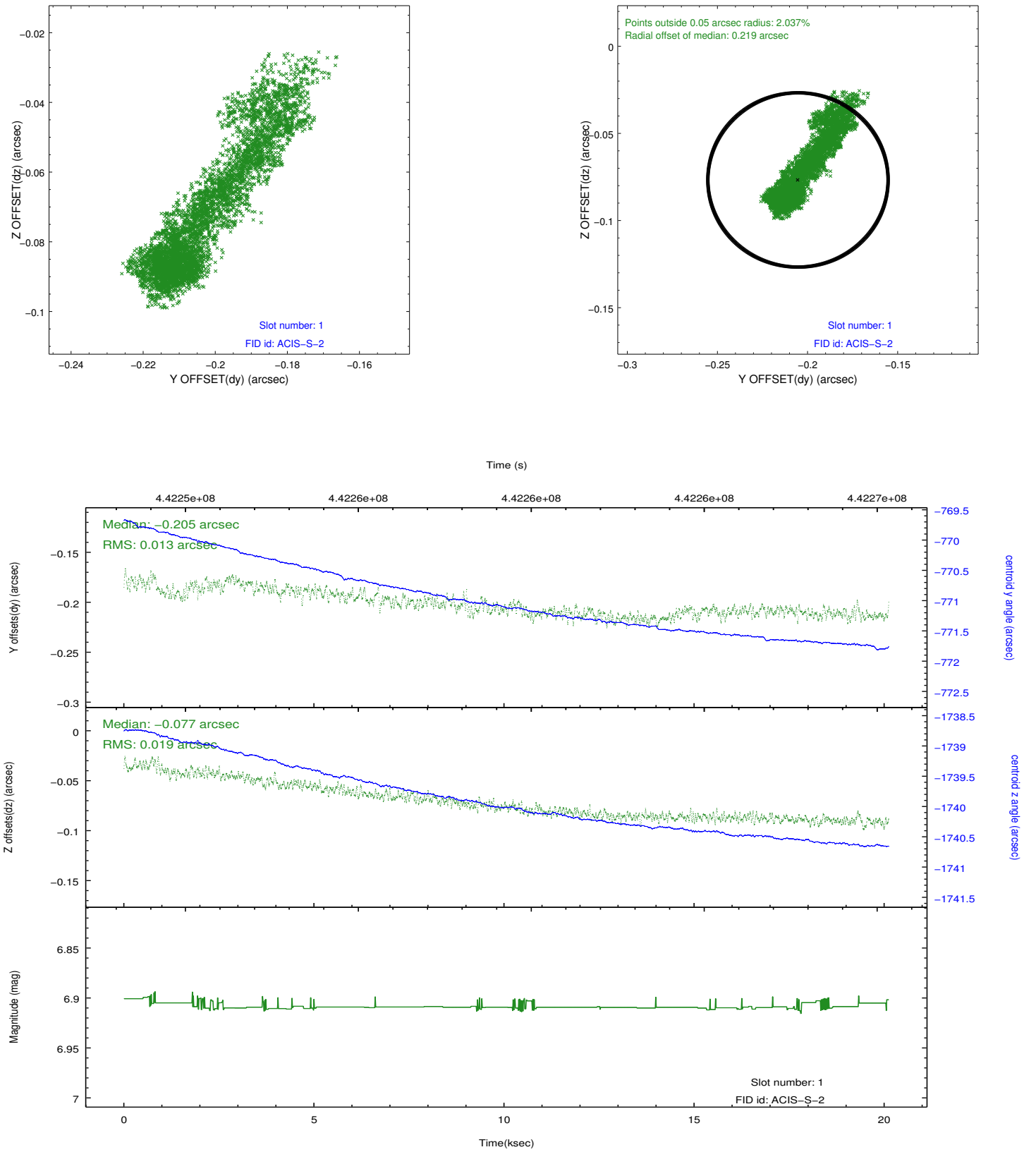


2.5 FID Slots

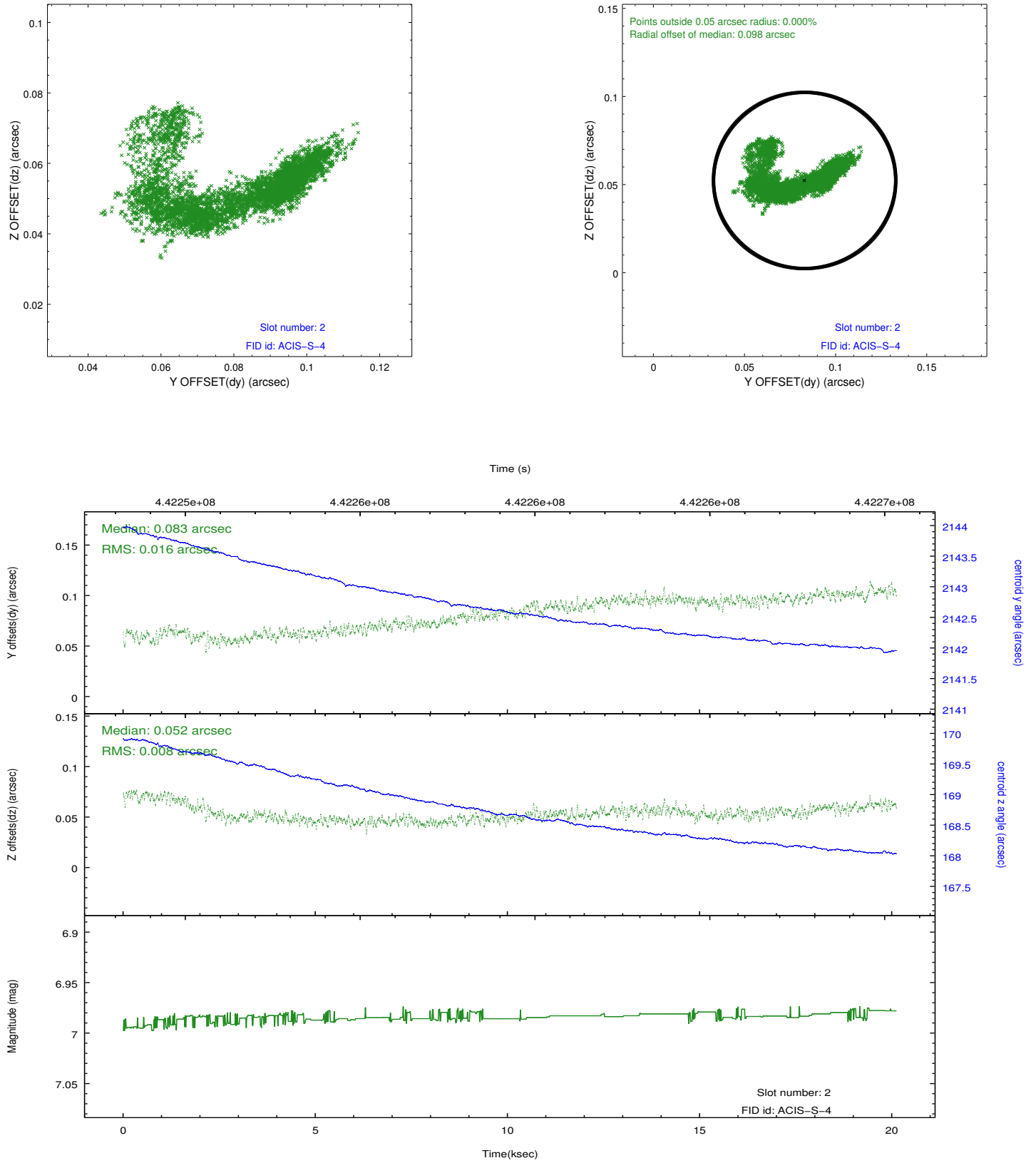
2.5.1 Slot 0



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)	2012.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.010398807287

A.2 Comments