

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3999 - L2 Version 3  
Chandra X-Ray Center

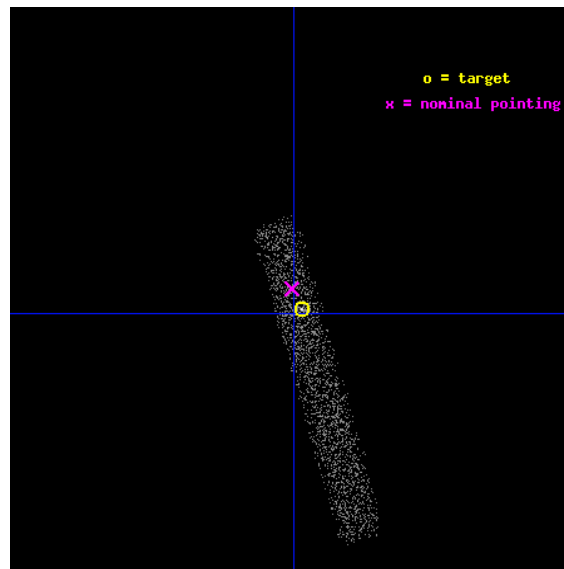
L2 Processing Date : Oct 22 2012

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# 1 Front

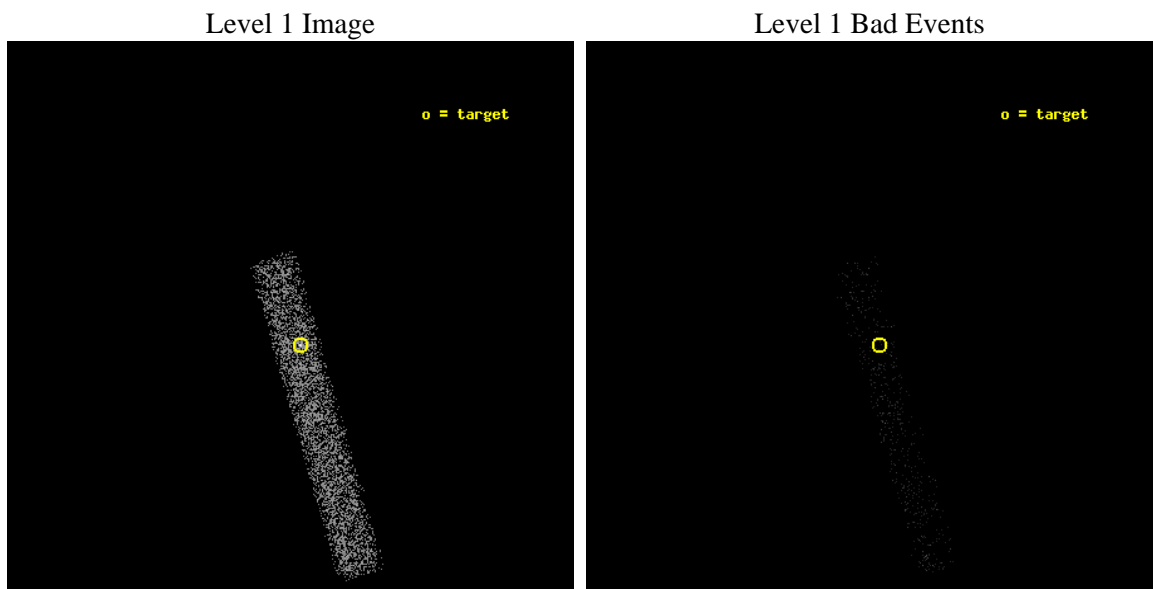
seq_num	700678	Sequence number
obs_id	3999	Observation id
title	AN X-RAY SURVEY OF RADIO-SELECTED LOW-LUMINOSITY AGNS	Proposal tit
observer	Dr. Yuichi Terashima	Principal investigator
object	NGC 4772	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.371667	Observer's specified target RA [deg]
dec_targ	2.168389	Observer's specified target Dec [deg]
ra_nom	193.37593083325	Nominal RA [deg]
dec_nom	2.1770774923017	Nominal Dec [deg]
roll_nom	73.999896455275	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5194.0000773668	Sum of GTIs [s]
livetime	4710.6839083683	Livetime [s]
ontime7	5194.0000773668	Sum of GTIs [s]
l2events	2711	Number of level 2 events



## 2 OBI

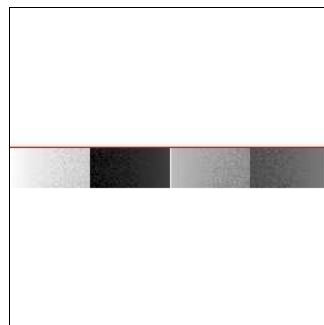
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5039.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5194.0000773668	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	5194.0000773668	Sum of GTIs [s]
date	2012-10-22T07:26:05	Date and time of file creation	l1events	6722	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	6722
rejected events	3912
rejected %	58%

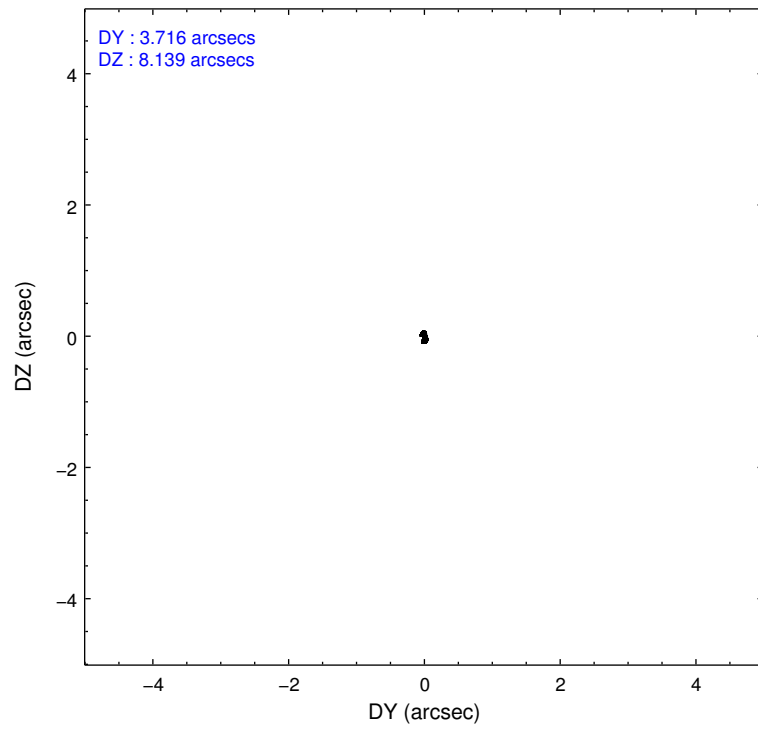
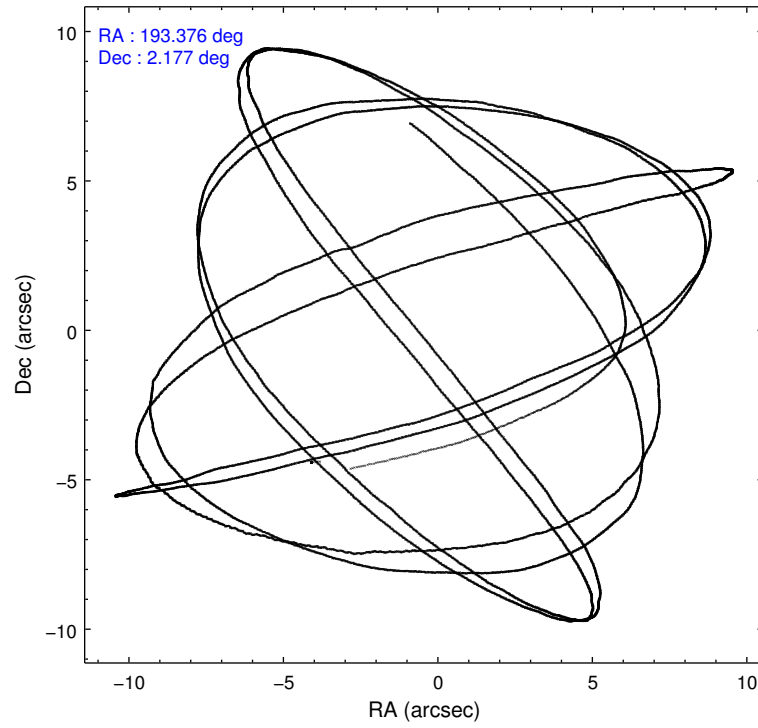
	<b>ccd 7</b>
grade 0 events	387
	5%
grade 1 events	7
	0%
grade 2 events	607
	9%
grade 3 events	433
	6%
grade 4 events	372
	5%
grade 5 events	607
	9%
grade 6 events	1364
	20%
grade 7 events	2945
	43%

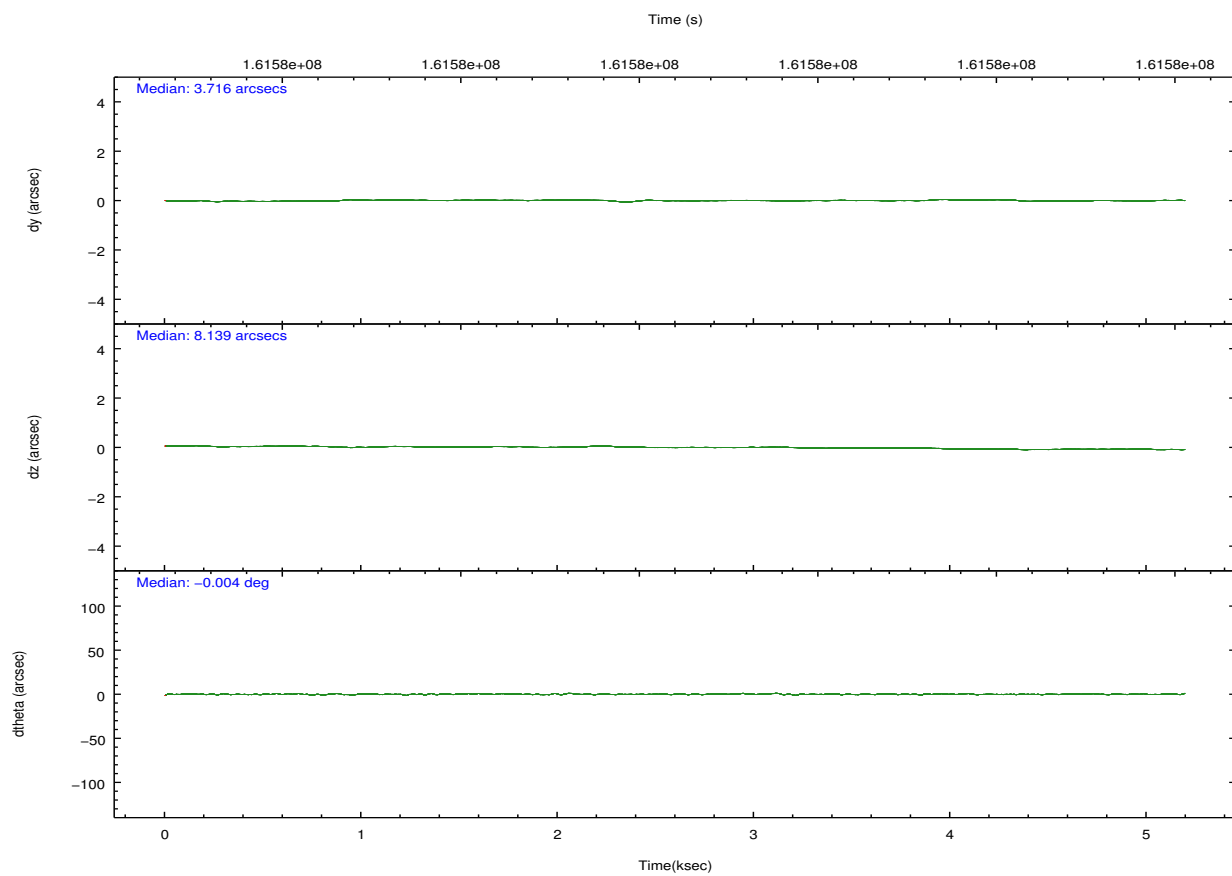
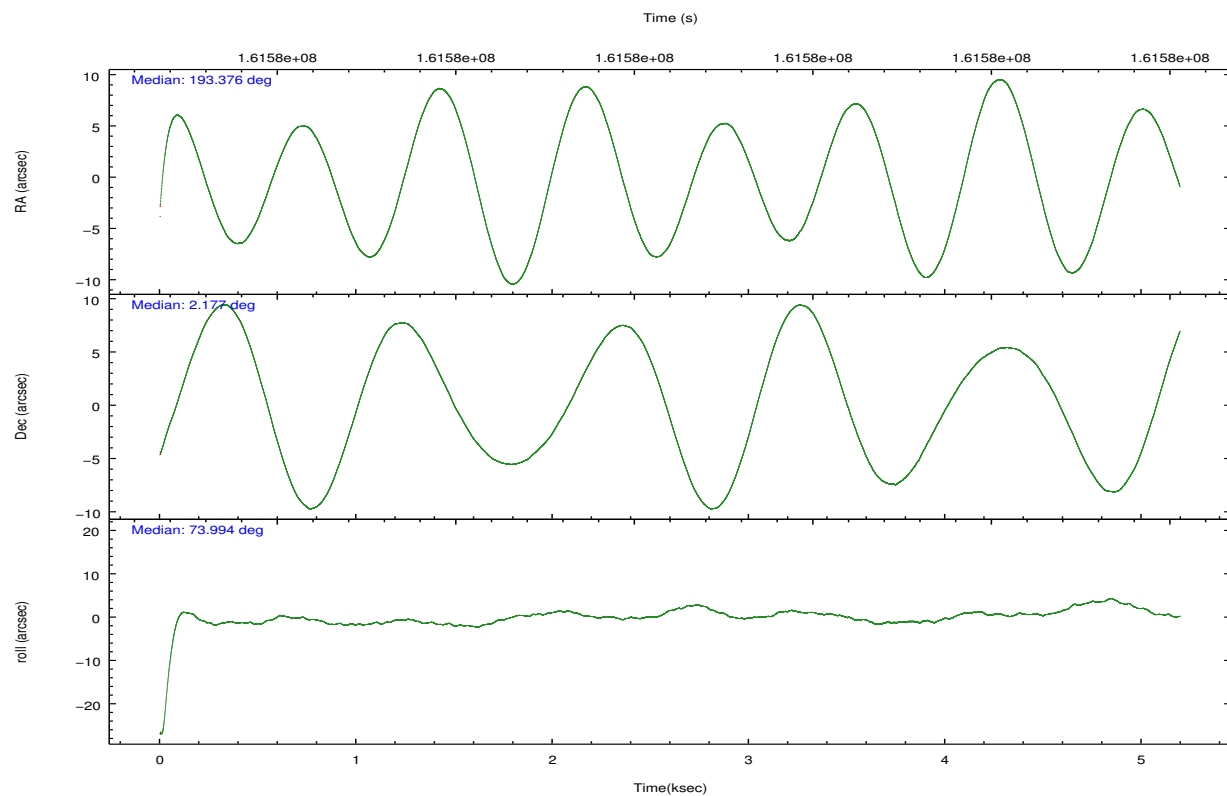


## 2.2 Compared Parameters

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	193.382875	193.3759308332543	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	2.150738	2.177077492301671	Subarray start row	449	449
[deg] Pointing Roll	73.843073	73.99989645527454	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)	161575760.184000	161574787.28934			
Observation start date	2003-02-14T02:08:16	2003-02-14T01:53:07			
[s] Observation end time (MET)	161580799.184000	161581035.17711			
Observation end date	2003-02-14T03:32:15	2003-02-14T03:37:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect



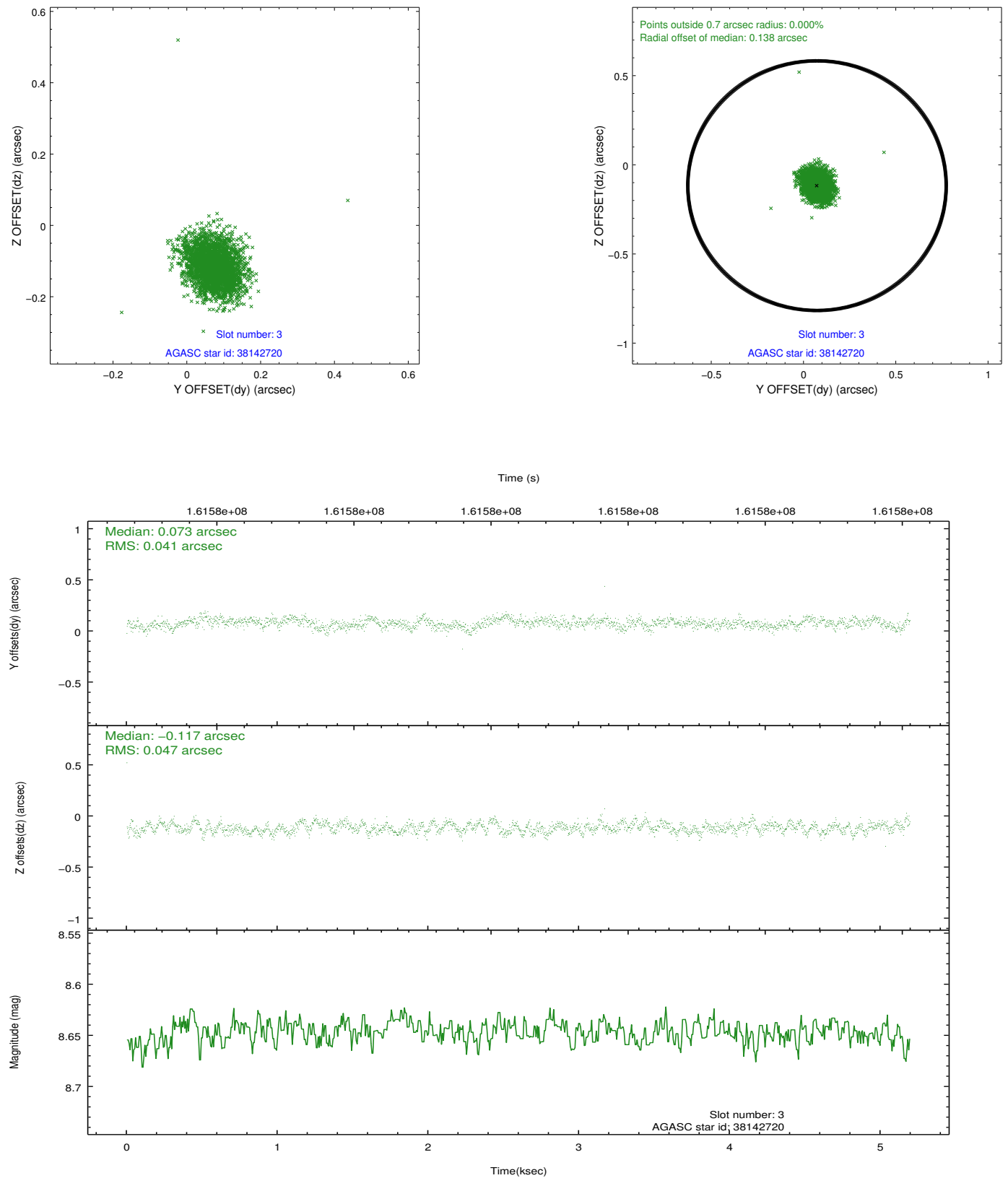


### Slot Statistics

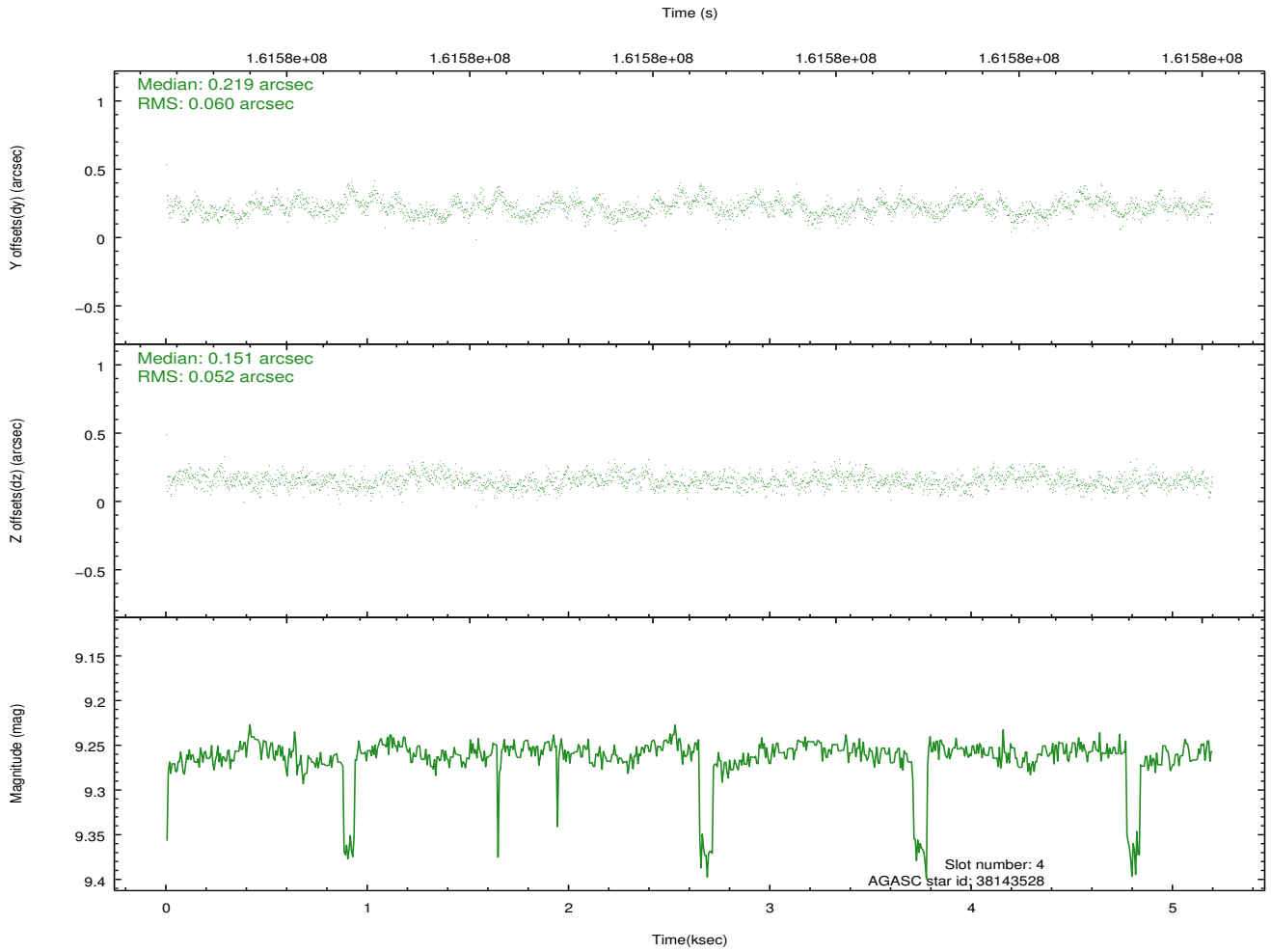
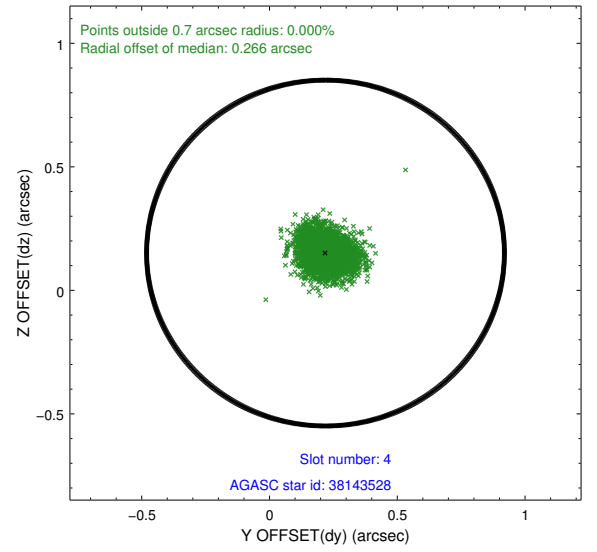
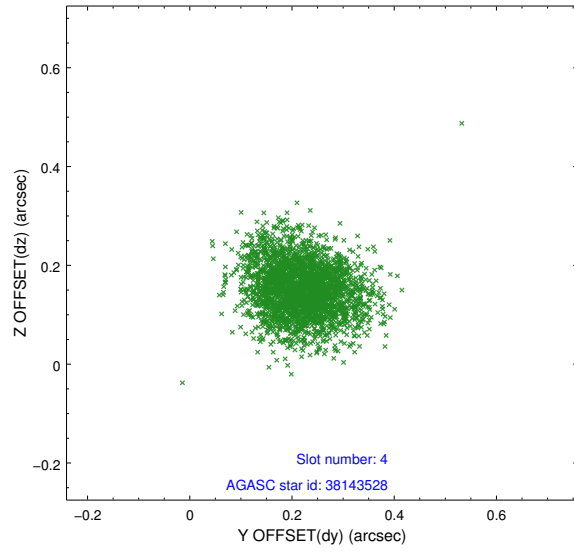
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1268	-0.010	-0.008	0.007	0.011	0.000000	0.000000	-756.39	-1729.33
1	FID	ACIS-S-4	7.20	1268	0.009	0.007	0.005	0.010	0.000000	0.000000	2156.38	177.95
2	FID	ACIS-S-5	7.24	1268	-0.031	0.010	0.006	0.011	0.000000	0.000000	-1807.75	172.97
3	GUIDE	38142720	8.65	2532	0.073	-0.117	0.065	0.105	193.217391	2.116982	-282.20	538.05
4	GUIDE	38143528	9.26	2522	0.219	0.151	0.083	0.137	193.715530	1.437848	-2131.43	-1863.78
5	GUIDE	38145440	8.60	2535	-0.017	0.208	0.065	0.105	193.919261	2.049441	186.56	-1955.19
6	GUIDE	38535192	9.77	2529	-0.153	-0.208	0.112	0.174	192.966309	2.821327	1902.15	2110.01
7	GUIDE	38536360	8.95	2534	-0.116	-0.032	0.071	0.112	193.427384	2.662978	1816.52	360.57

## 2.4 Star Slots

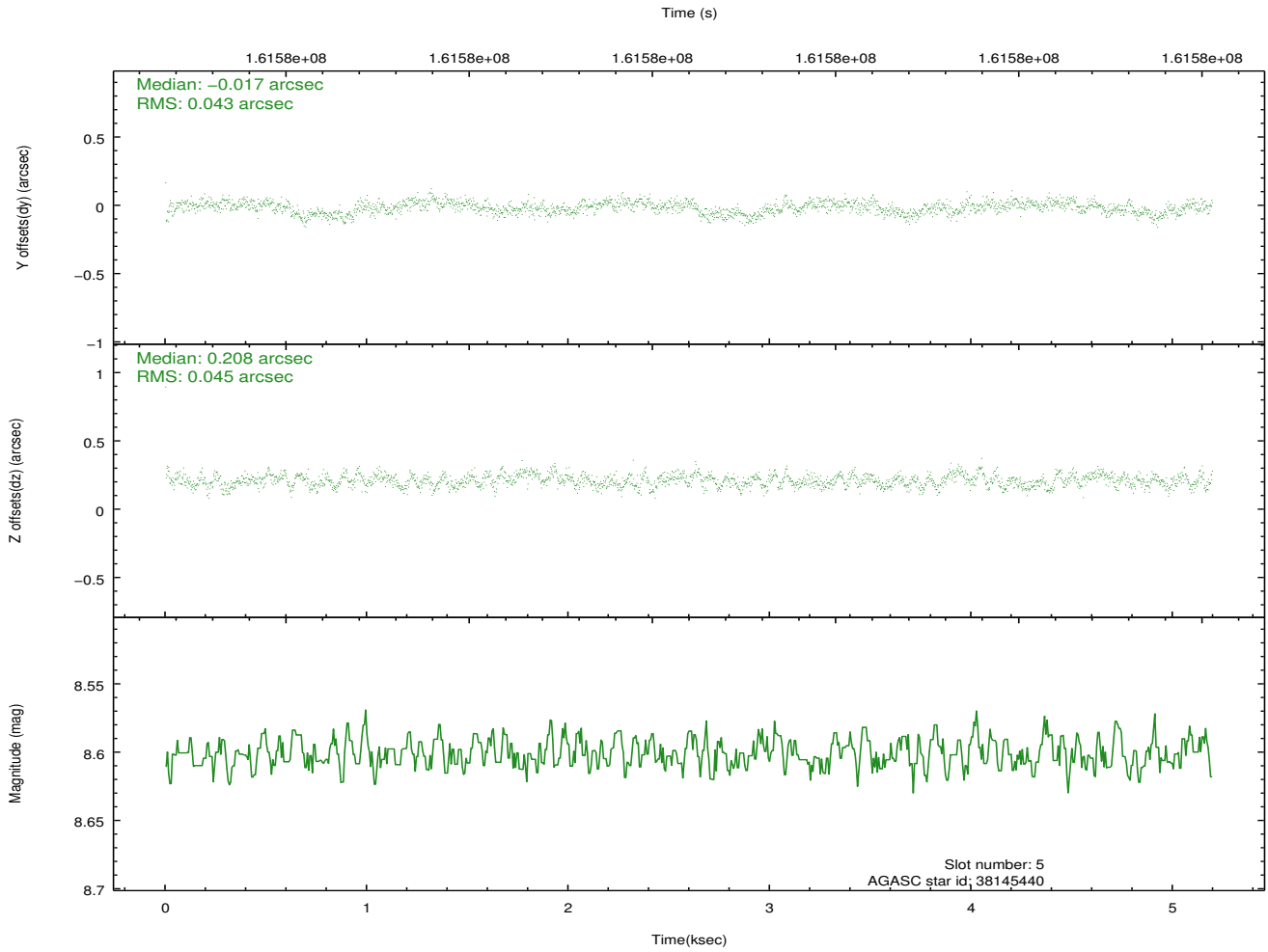
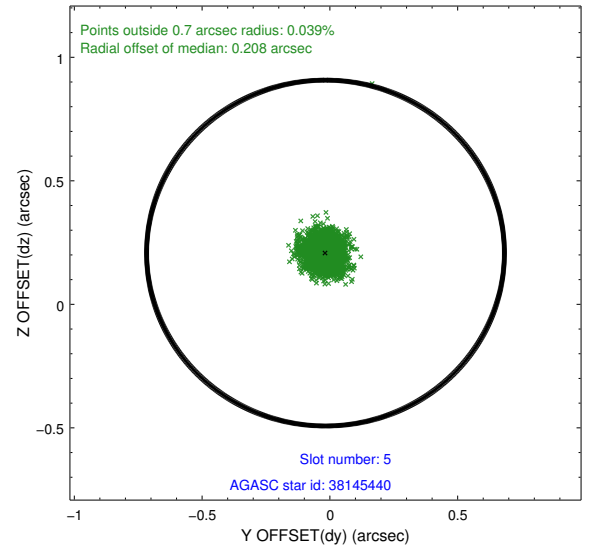
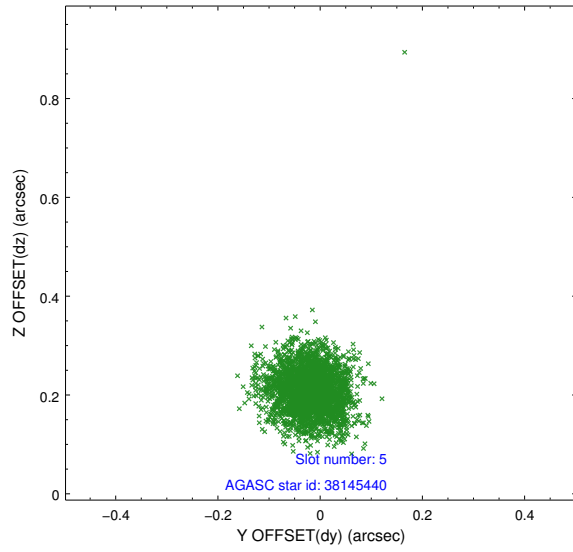
### 2.4.1 Slot 3



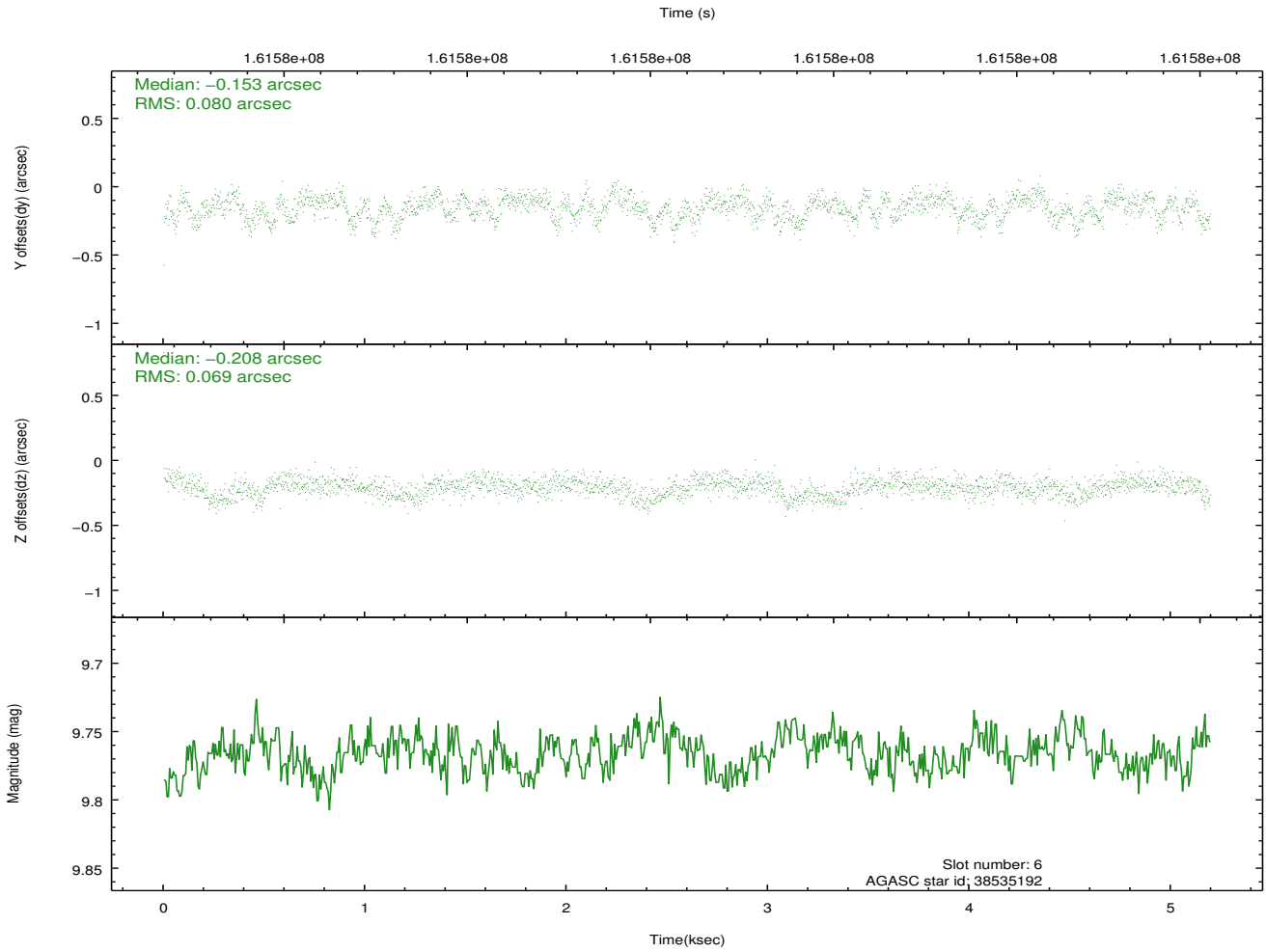
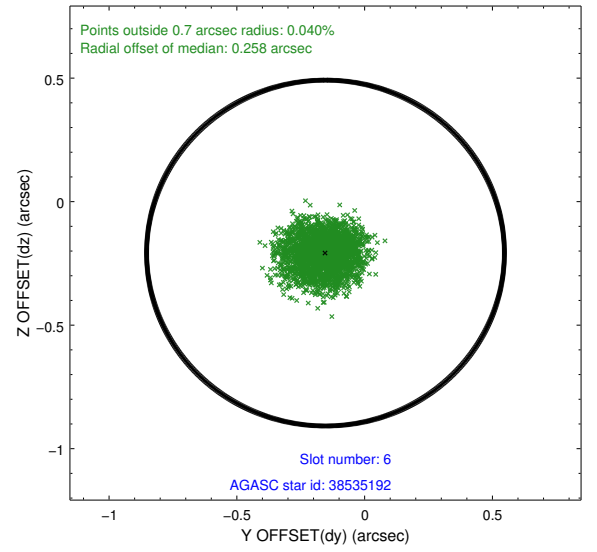
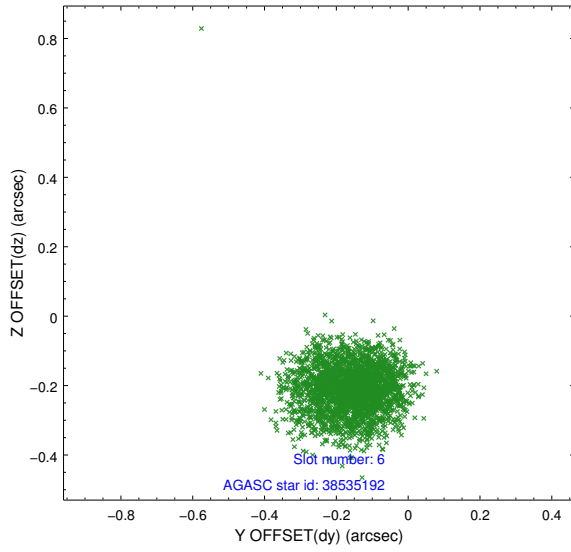
## 2.4.2 Slot 4



### 2.4.3 Slot 5

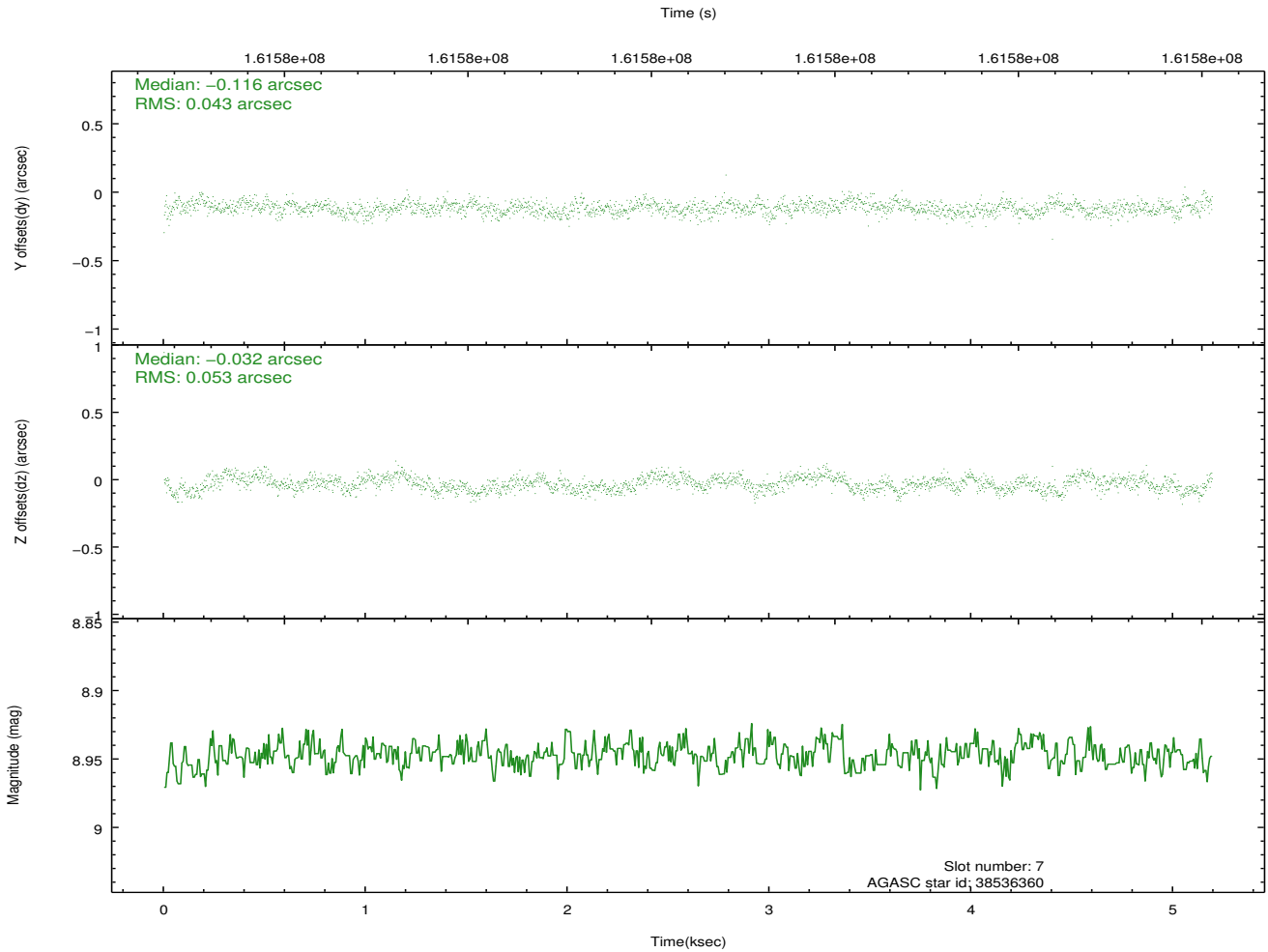
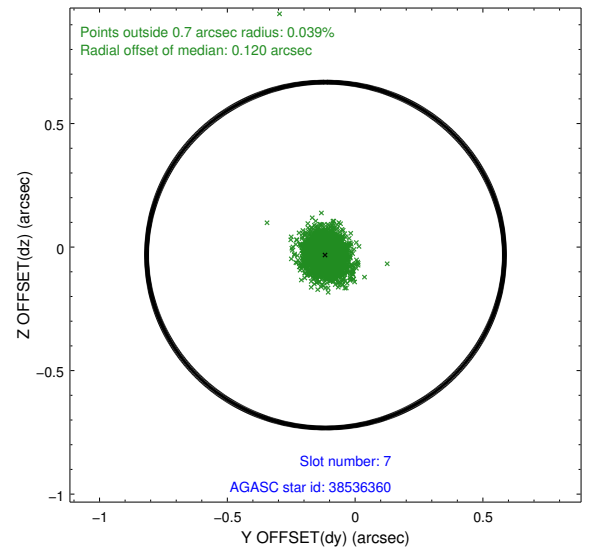
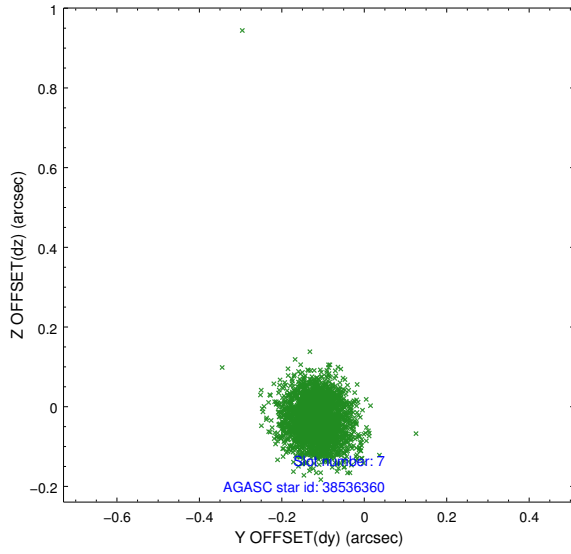


## 2.4.4 Slot 6



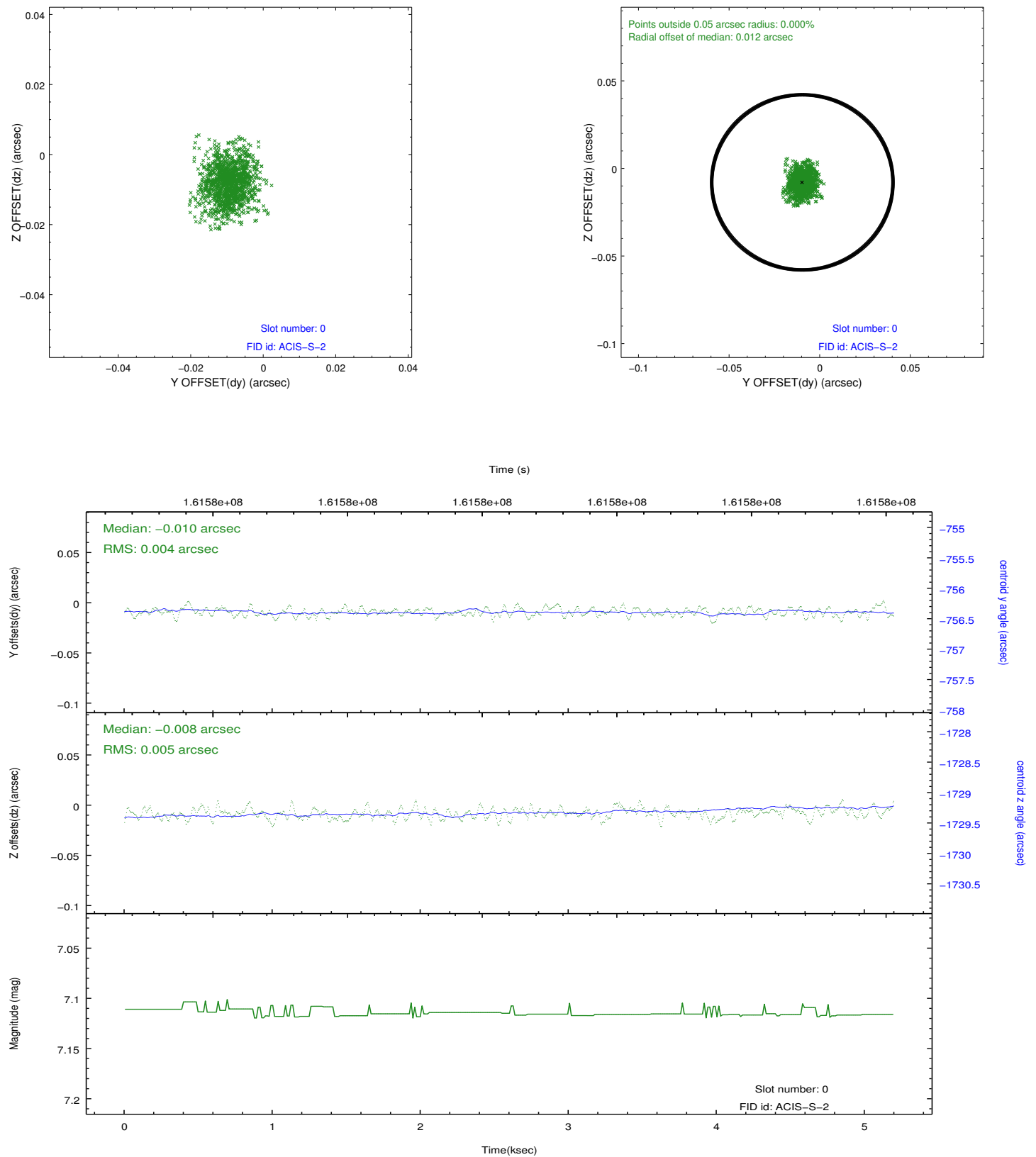


### 2.4.5 Slot 7

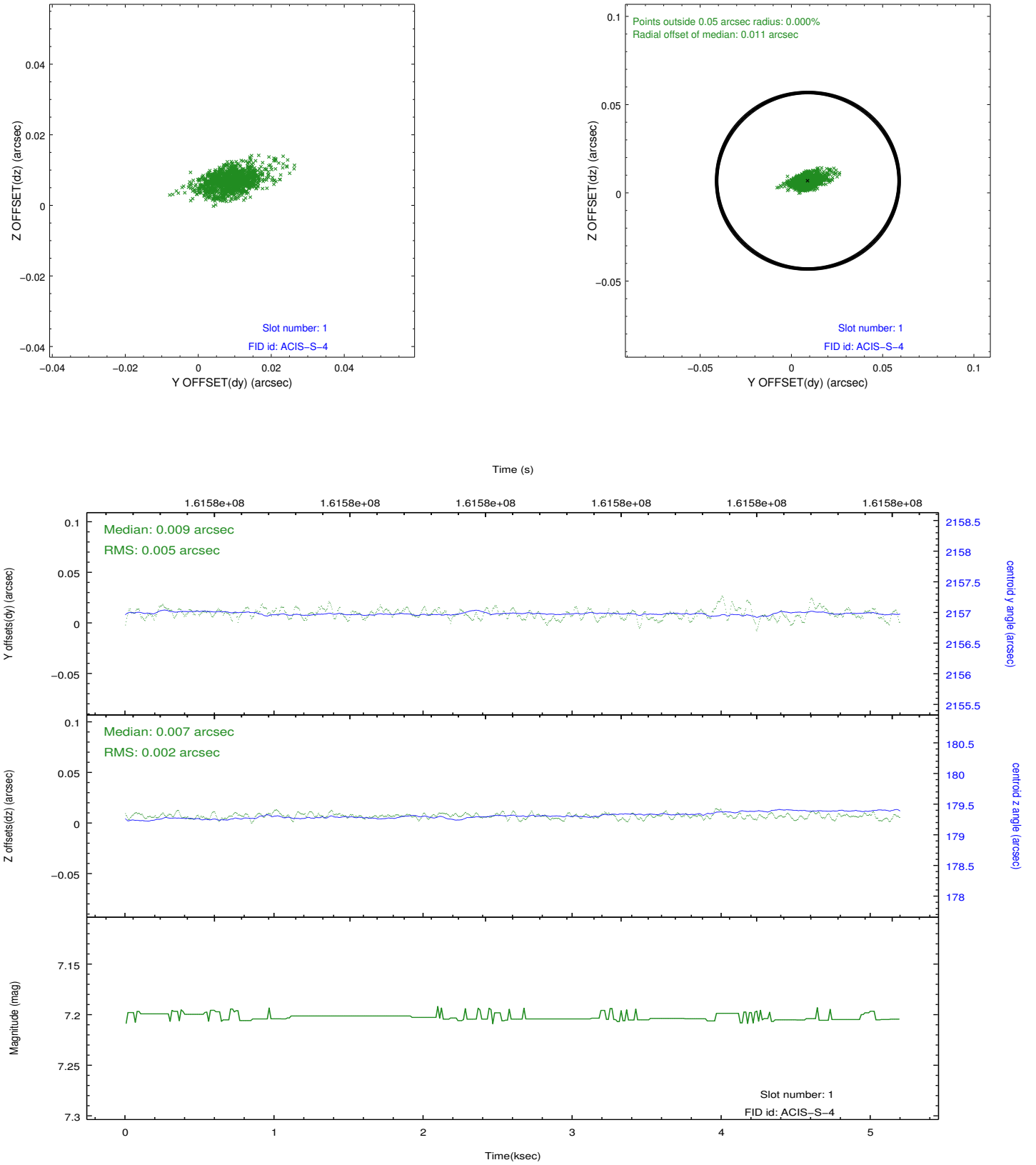


## 2.5 FID Slots

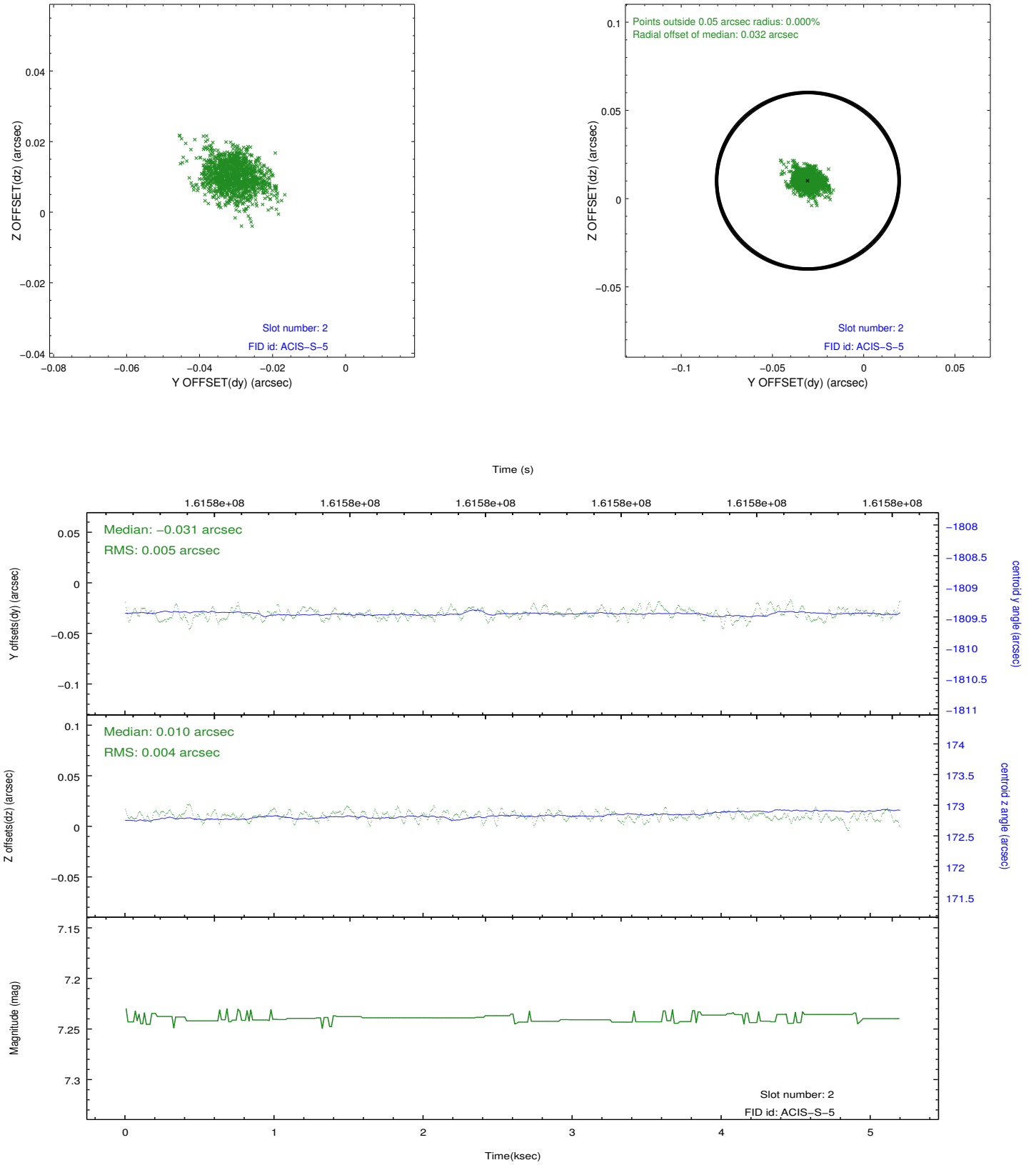
### 2.5.1 Slot 0



## 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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.194

### A.2 Comments