

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12941 - L2 Version 2  
Chandra X-Ray Center

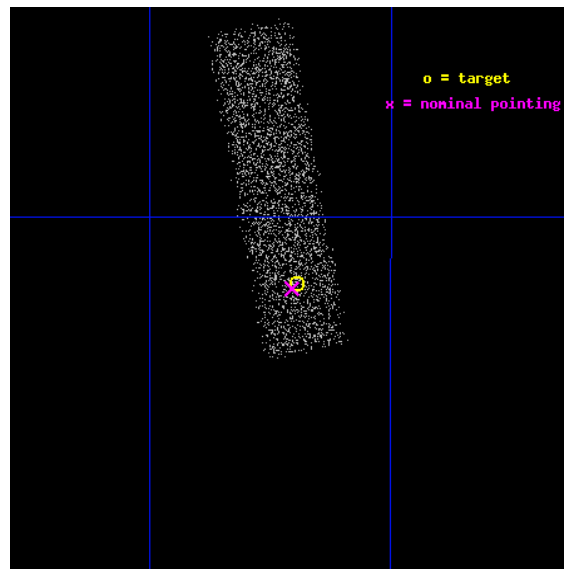
L2 Processing Date : Feb 24 2012

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# 1 Front

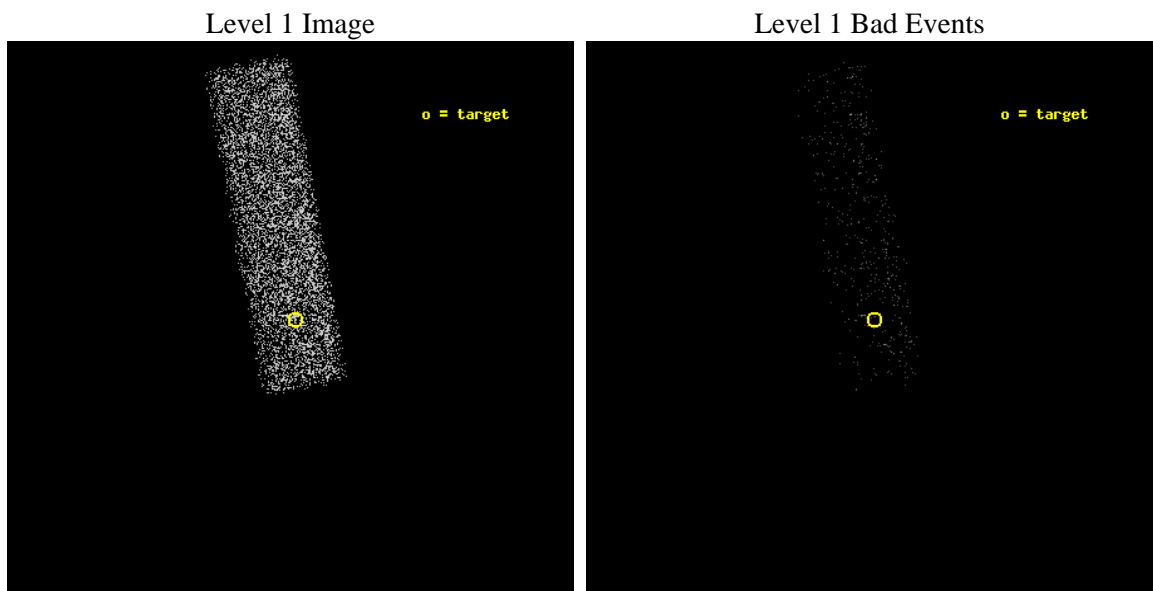
seq_num	900973	Sequence number
obs_id	12941	Observation id
title	Chandra Studies of Unidentified X-ray Sources in the Galactic Bulge	&#160
observer	Dr. Hideyuki Mori	Principal investigator
object	1RXS J170741.7-323144	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	256.92375	Observer's specified target RA [deg]
dec_targ	-32.52889	Observer's specified target Dec [deg]
ra_nom	256.92631938499	Nominal RA [deg]
dec_nom	-32.531077311547	Nominal Dec [deg]
roll_nom	259.59246406616	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4027.2000600696	Sum of GTIs [s]
livetime	3830.6858746976	Livetime [s]
ontime7	4027.2000600696	Sum of GTIs [s]
l2events	3821	Number of level 2 events



## 2 OBI

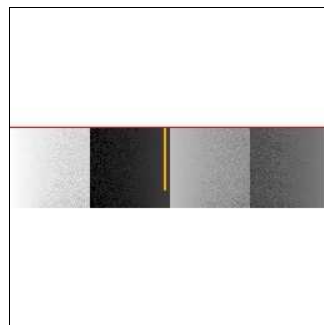
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.293000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4027.2000600696	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	4027.2000600696	Sum of GTIs [s]
date	2012-02-25T02:36:56	Date and time of file creation	l1events	7948	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	7948
rejected events	4004
rejected %	50%

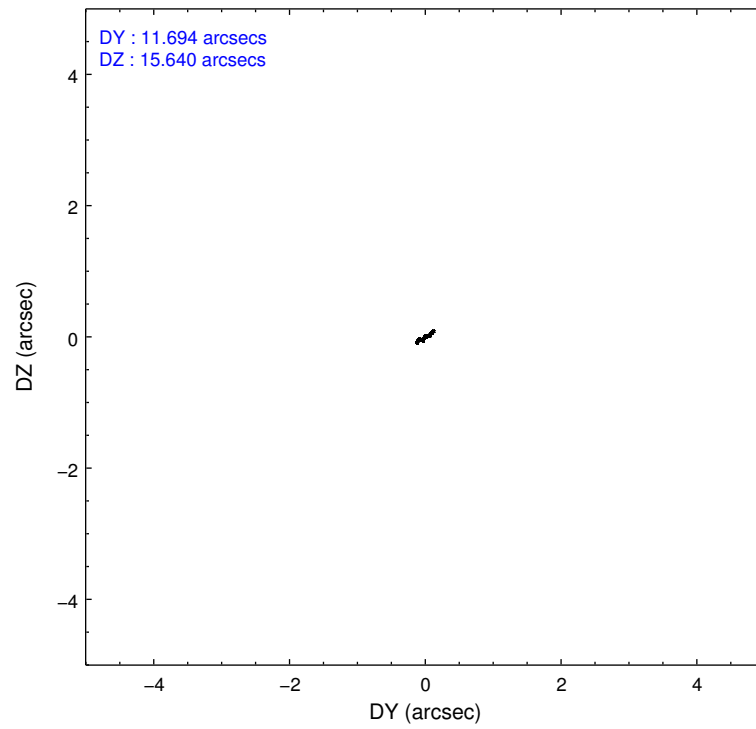
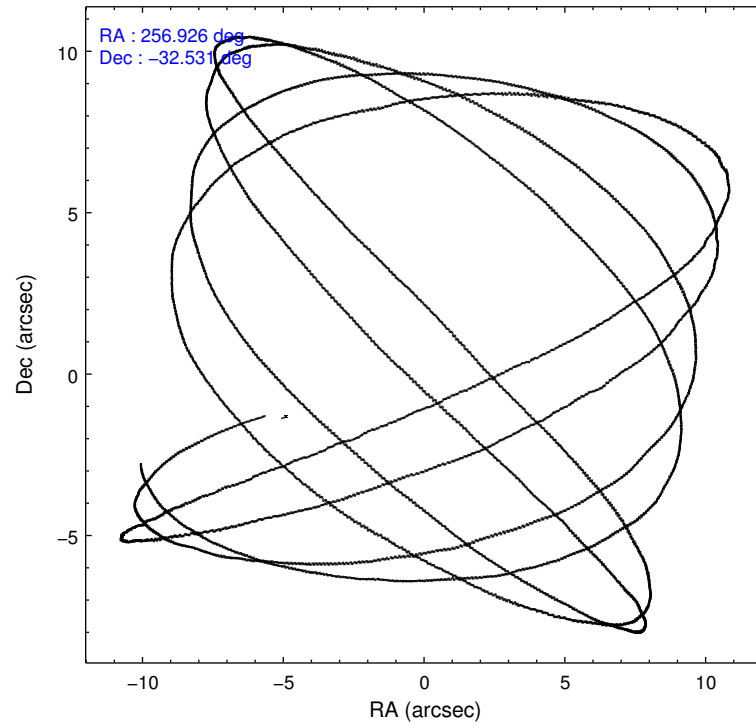
	<b>ccd 7</b>
grade 0 events	411
	5%
grade 1 events	14
	0%
grade 2 events	885
	11%
grade 3 events	456
	5%
grade 4 events	457
	5%
grade 5 events	794
	9%
grade 6 events	1737
	21%
grade 7 events	3194
	40%

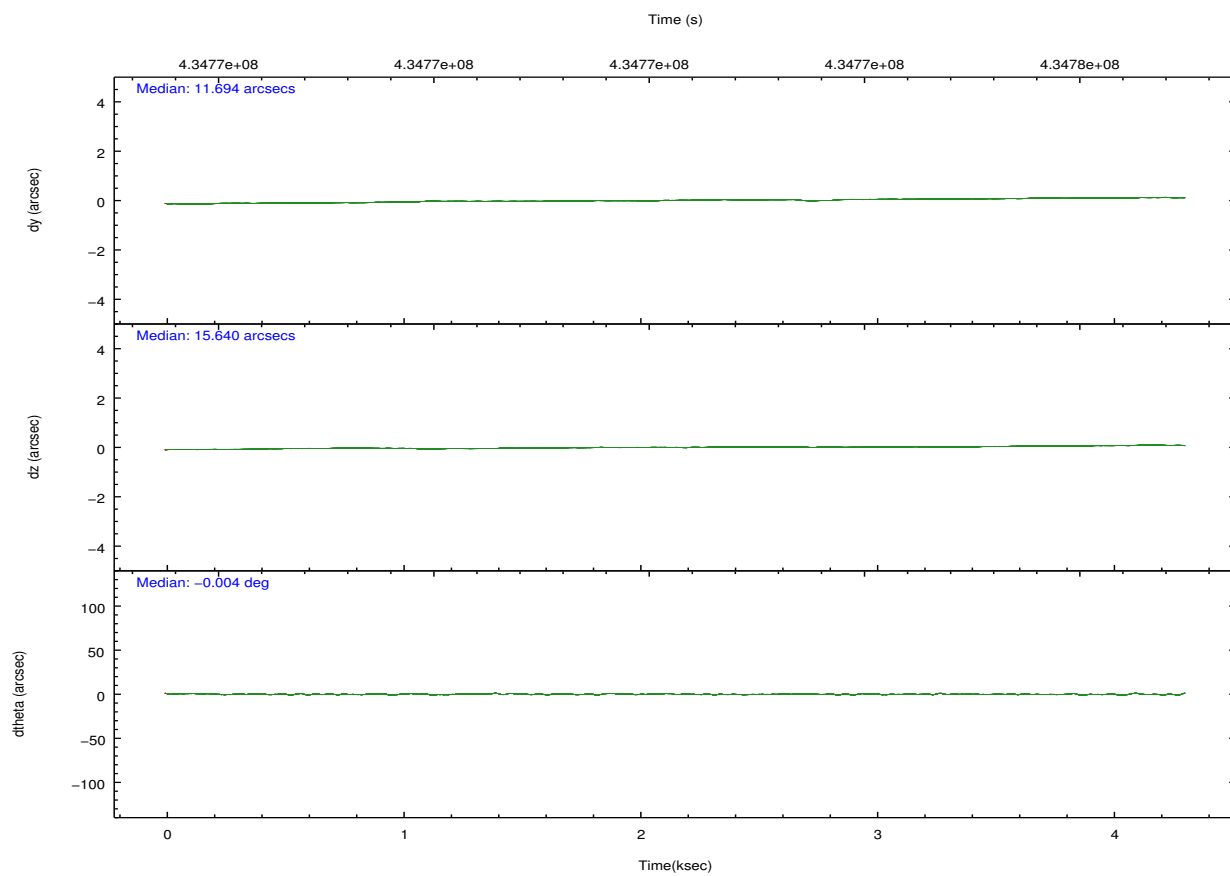
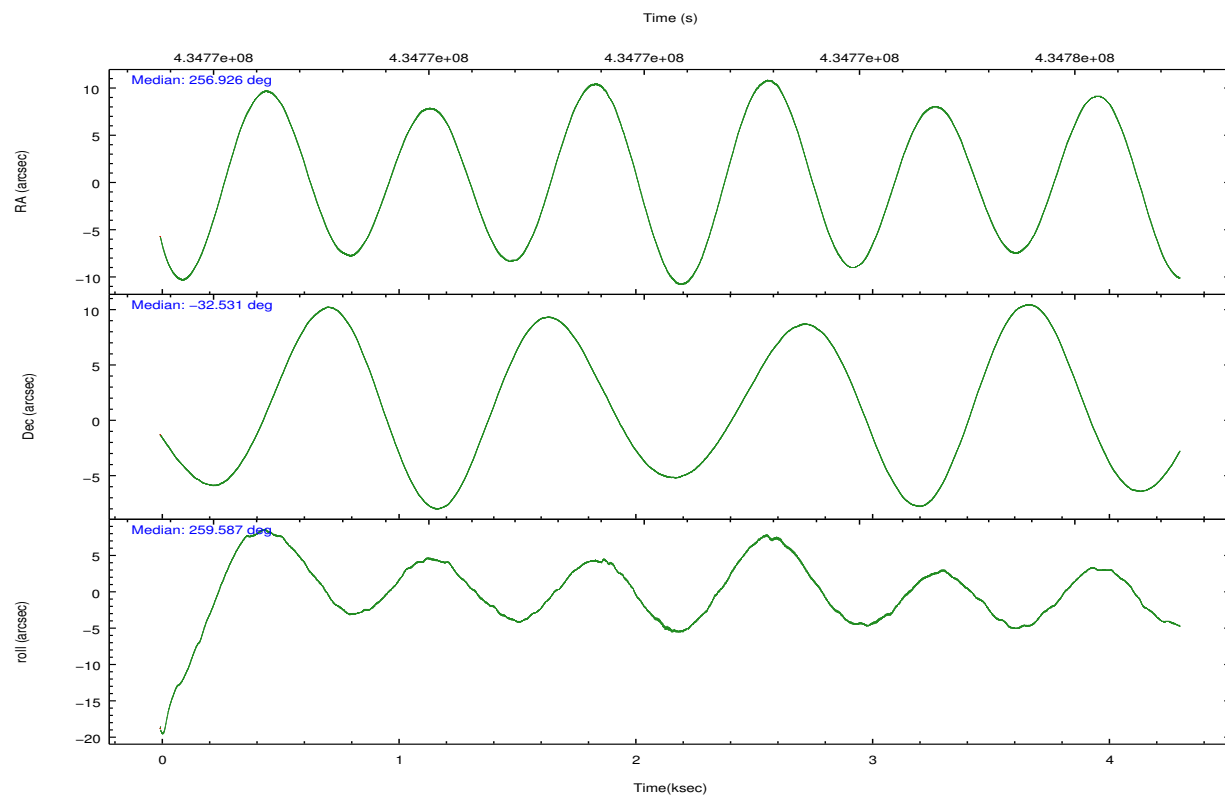


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	256.915090	256.9263193849937	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-32.505317	-32.53107731154704	Subarray start row	385	385
[deg] Pointing Roll	259.429834	259.5924640661591	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	434771274.184000	434770656.29015			
Observation start date	2011-10-12T01:46:48	2011-10-12T01:37:36			
[s] Observation end time (MET)	434775275.184000	434775500.4404			
Observation end date	2011-10-12T02:53:29	2011-10-12T02:58:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect



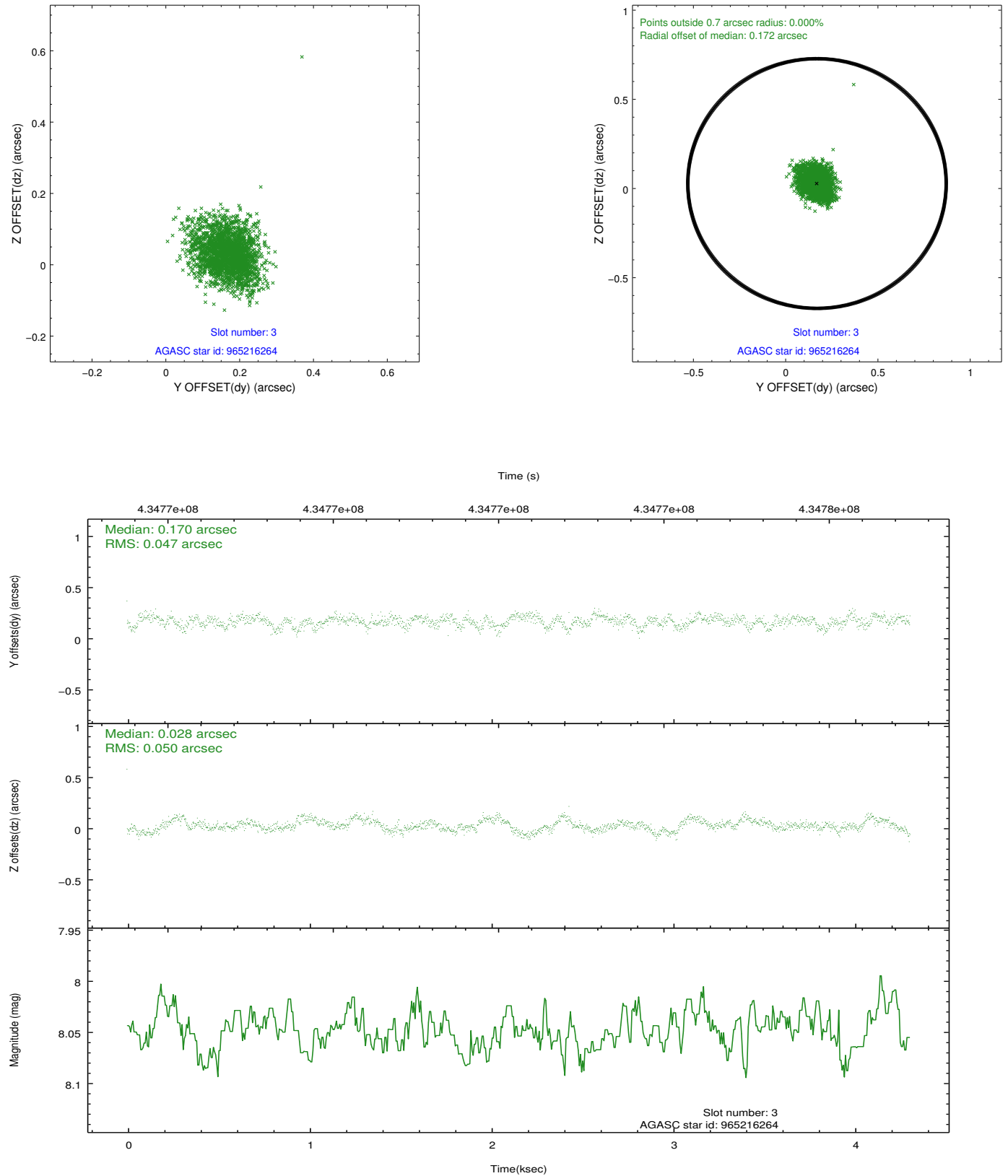


### Slot Statistics

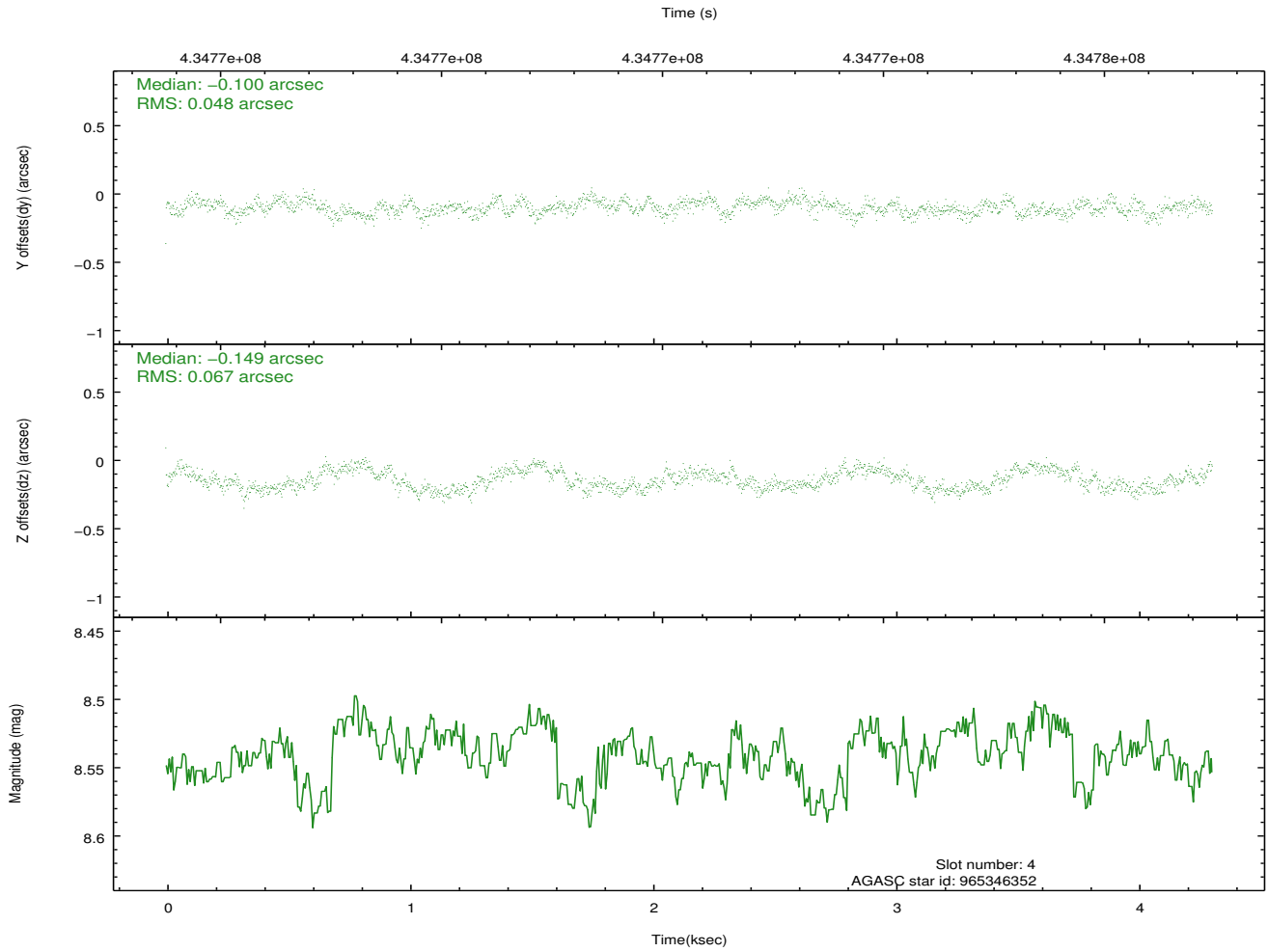
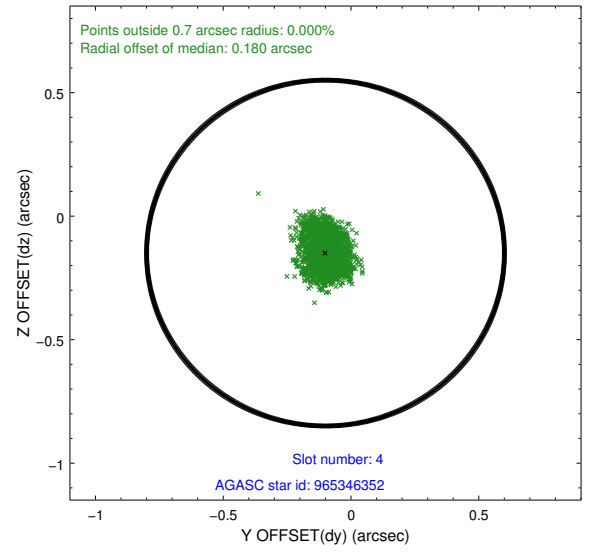
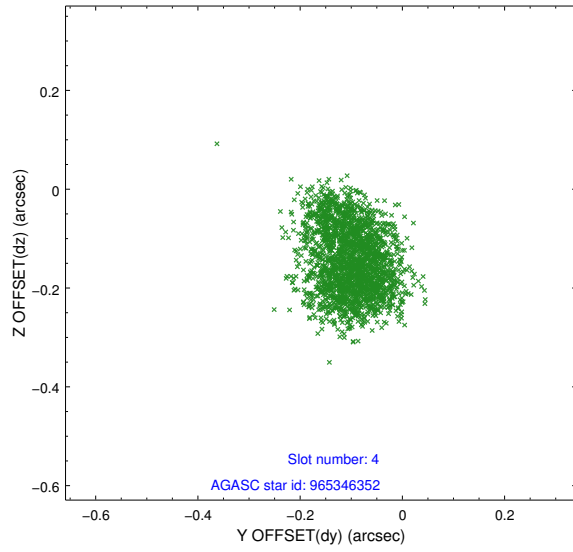
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	1051	-0.061	-0.029	0.006	0.010	0.000000	0.000000	-764.65	-1737.01
1	FID	ACIS-S-4	6.99	1051	0.114	0.017	0.006	0.010	0.000000	0.000000	2148.16	170.01
2	FID	ACIS-S-6	7.11	1051	-0.080	0.020	0.007	0.011	0.000000	0.000000	399.18	809.06
3	GUIDE	965216264	8.05	2101	0.170	0.028	0.072	0.119	256.386597	-32.967669	1933.03	-1262.77
4	GUIDE	965346352	8.54	2101	-0.100	-0.149	0.090	0.136	257.699286	-32.389862	-836.95	2268.09
5	GUIDE	965347600	8.80	2098	-0.085	0.152	0.089	0.137	256.993678	-31.977059	-1913.74	-111.91
6	GUIDE	965353480	7.76	2102	-0.203	-0.128	0.059	0.094	257.035456	-32.568610	155.82	400.78
7	GUIDE	965346720	9.29	2099	0.217	0.091	0.138	0.227	257.608655	-33.021439	1449.09	2400.69

## 2.4 Star Slots

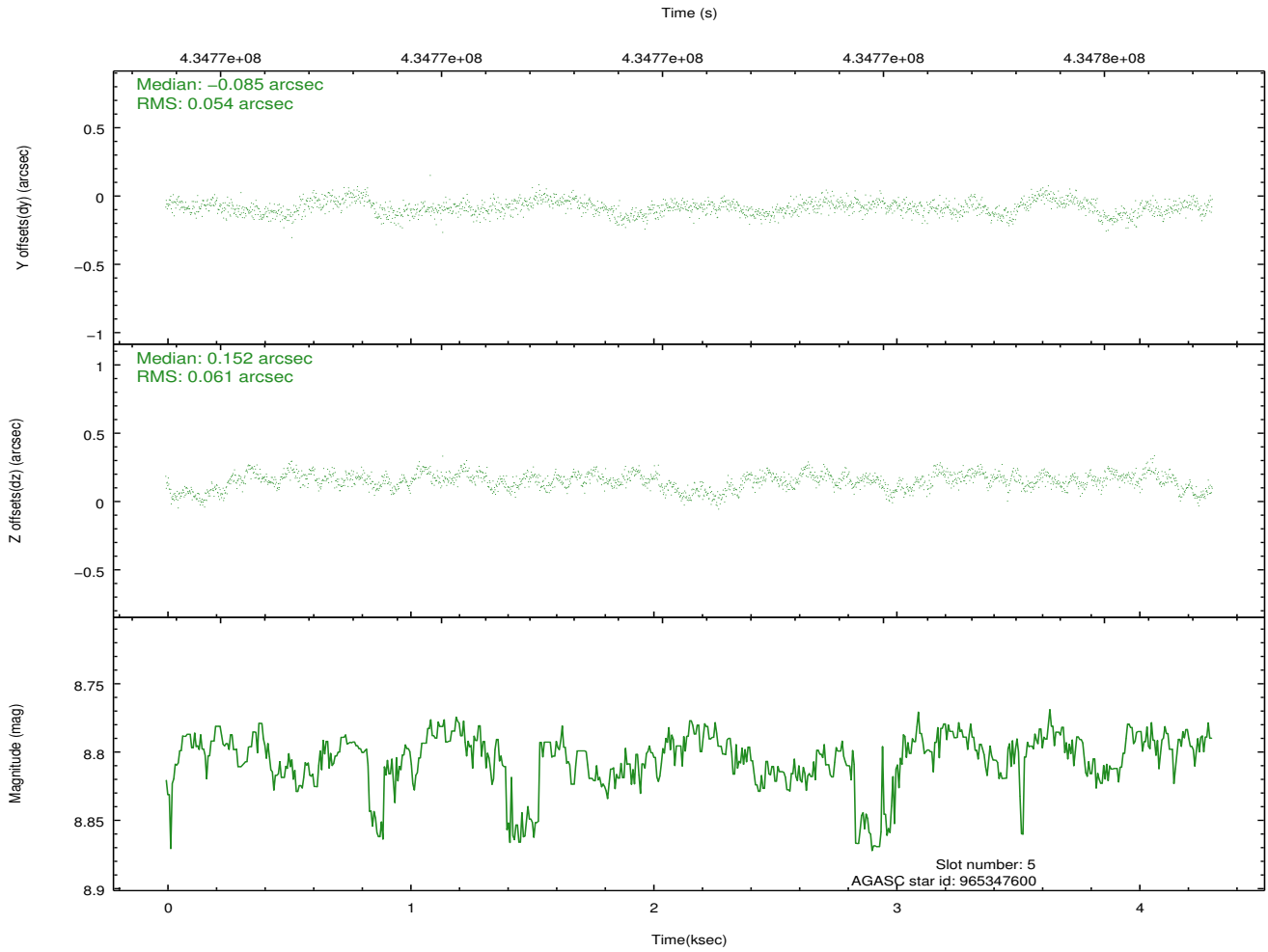
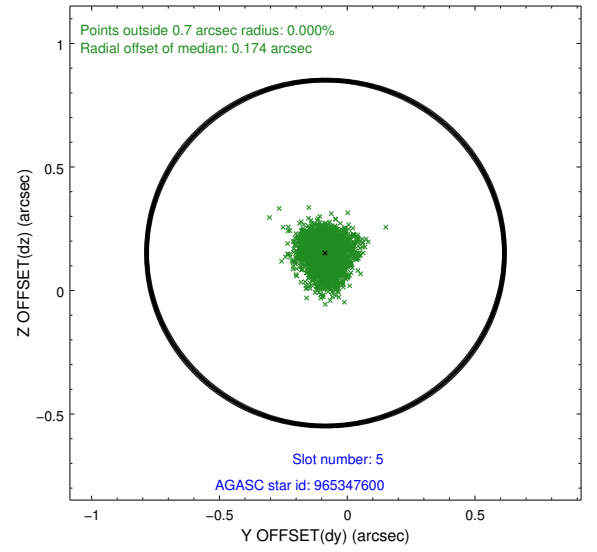
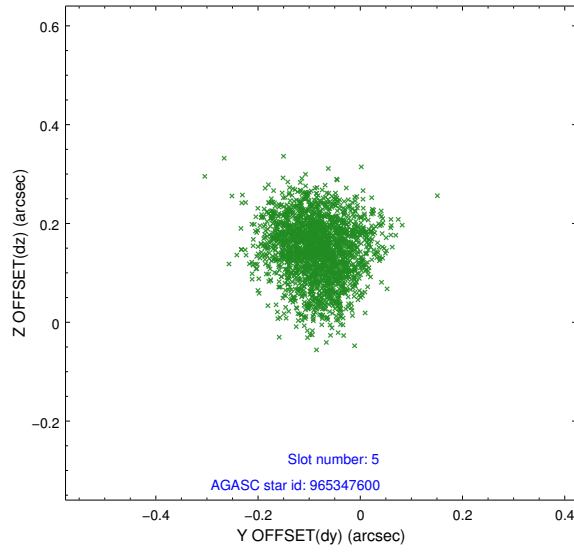
### 2.4.1 Slot 3



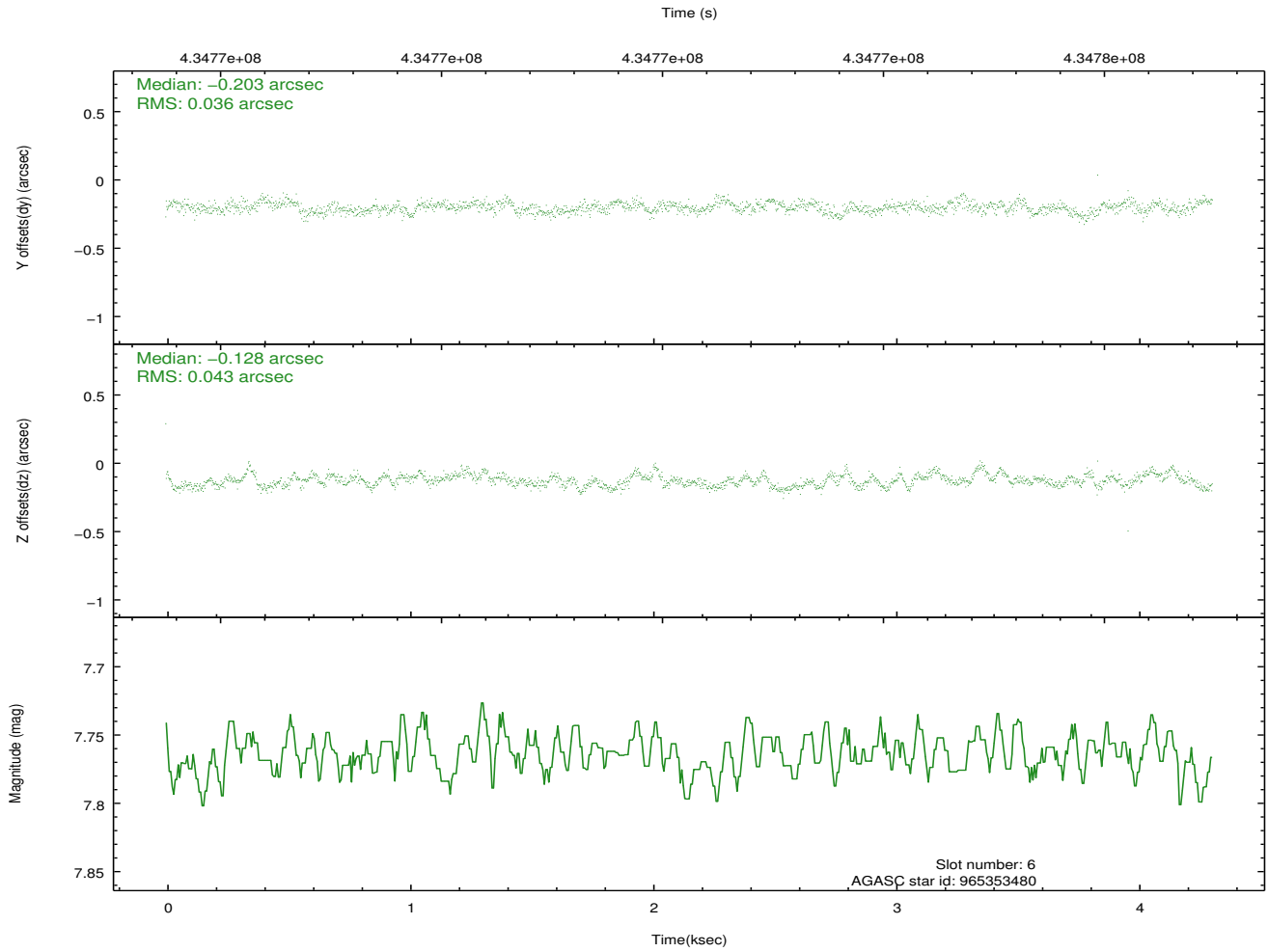
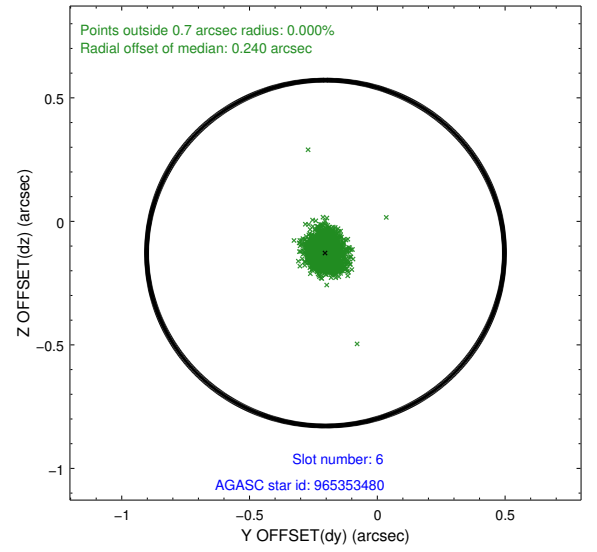
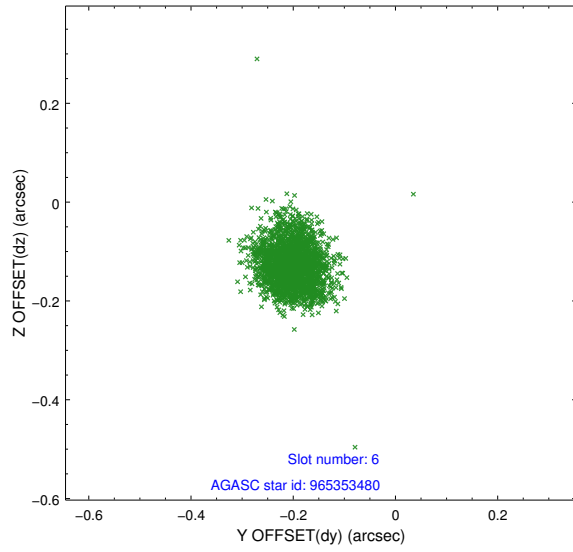
## 2.4.2 Slot 4



### 2.4.3 Slot 5

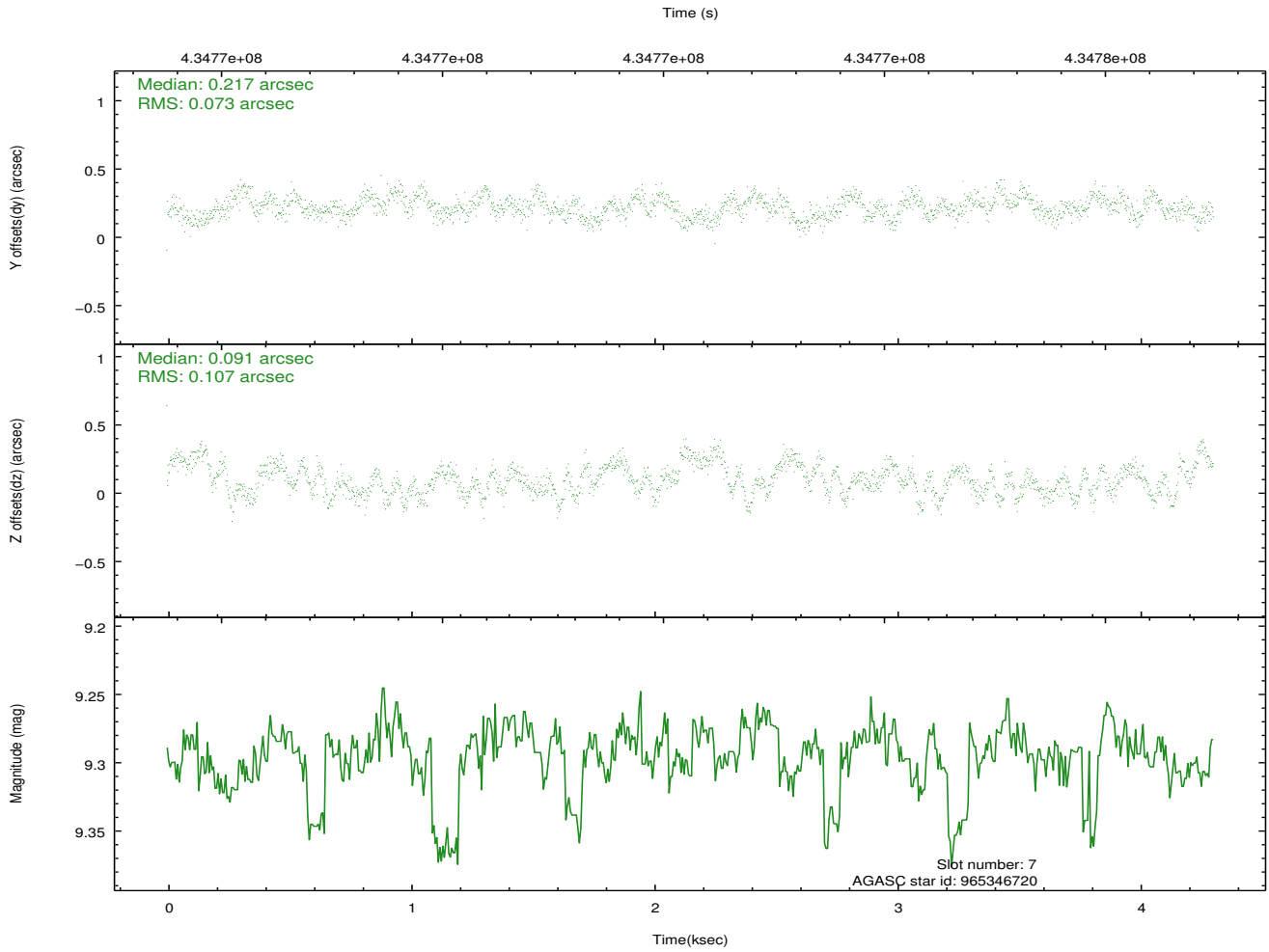
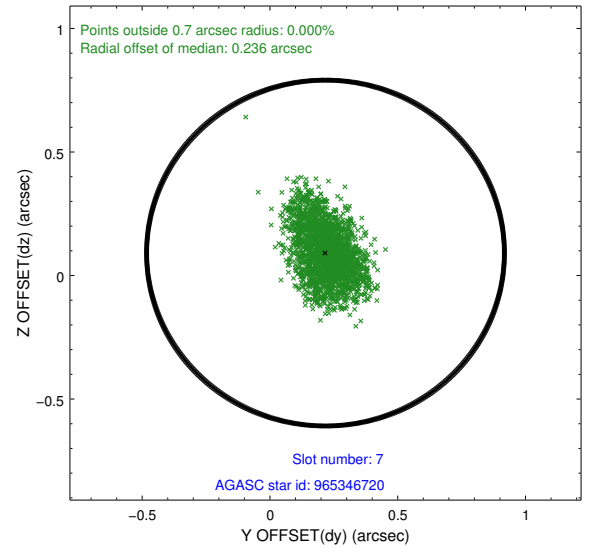
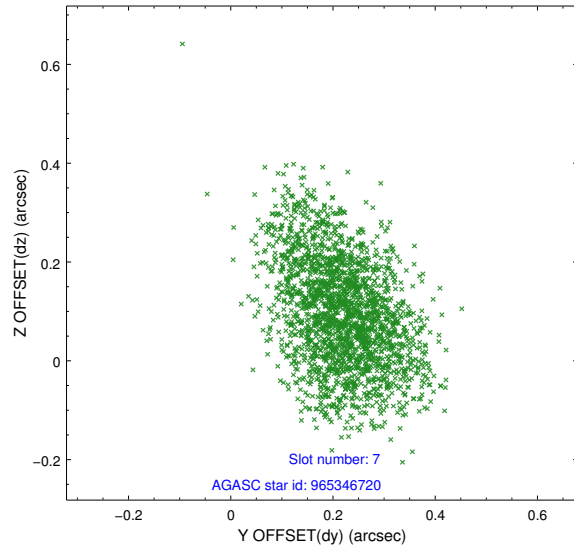


## 2.4.4 Slot 6



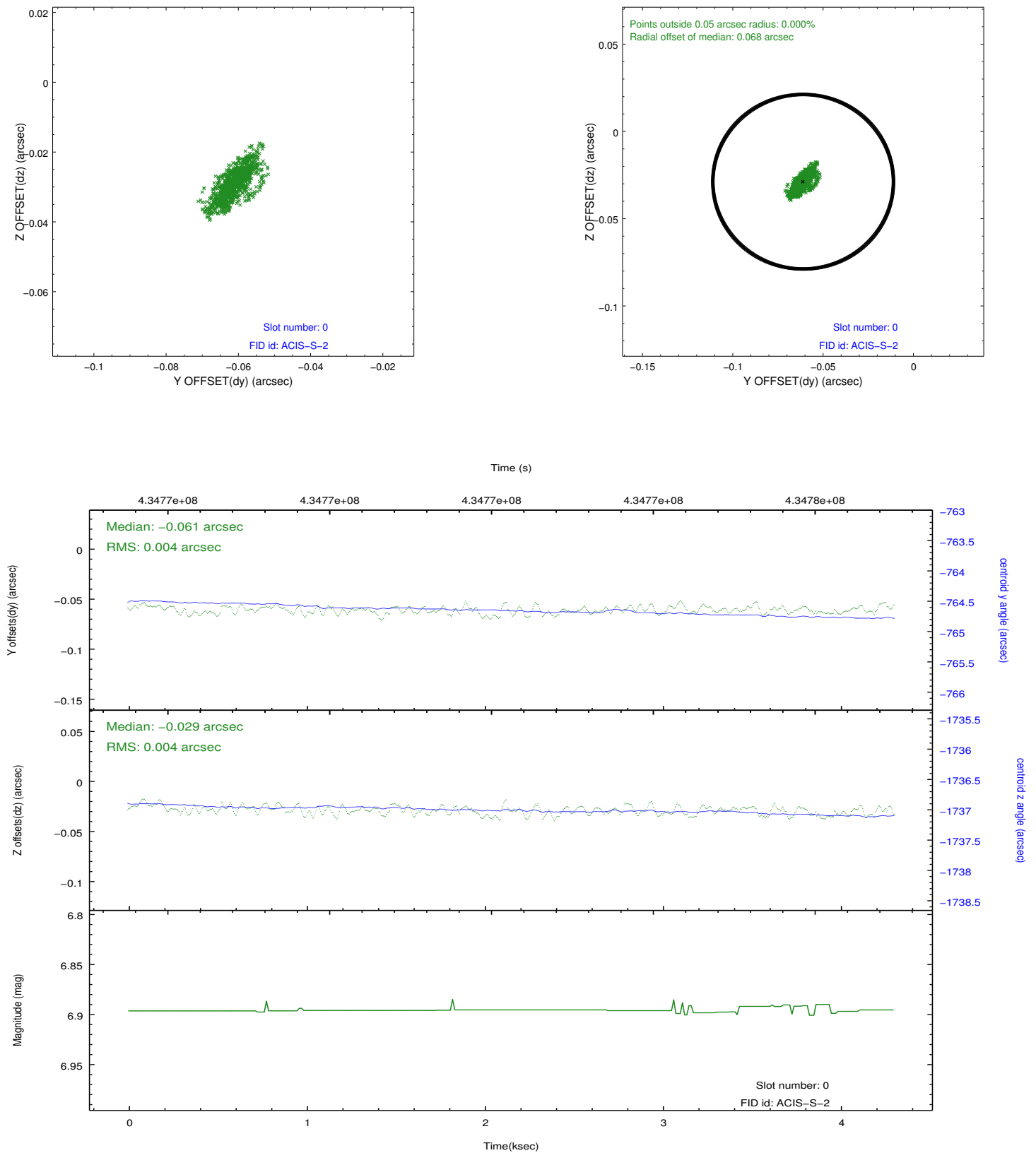


## 2.4.5 Slot 7

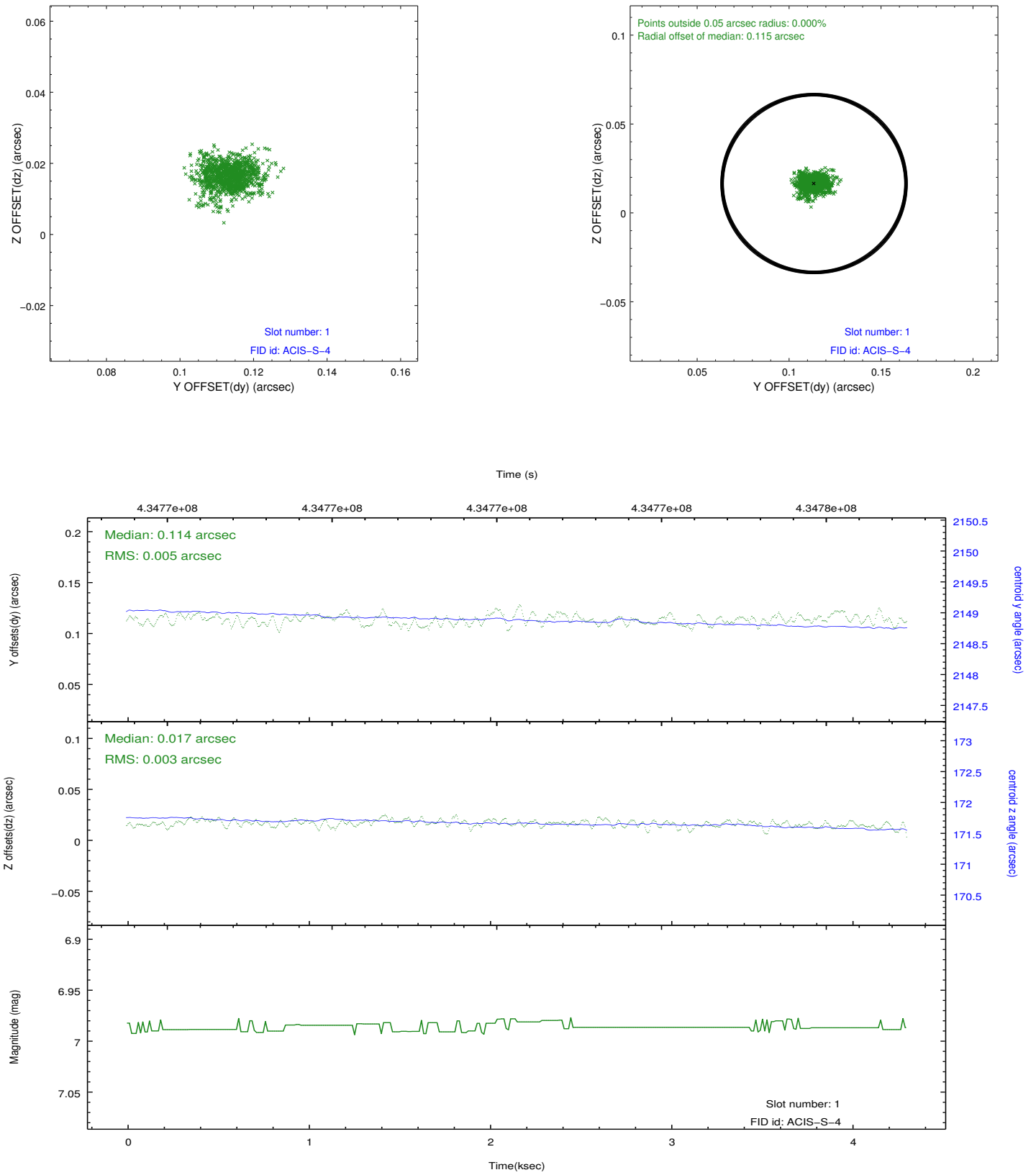


## 2.5 FID Slots

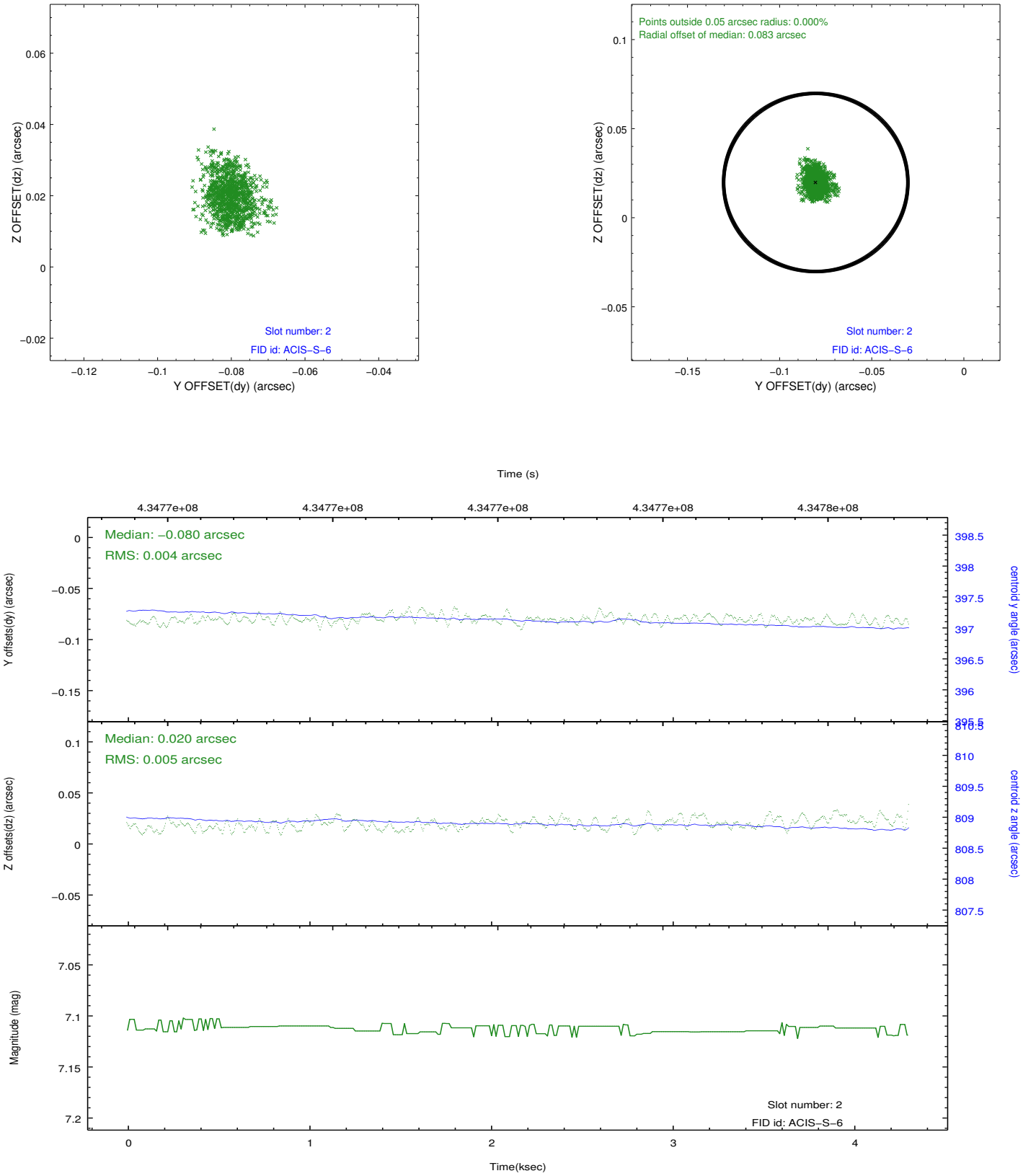
### 2.5.1 Slot 0



## 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)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0272000600696

### A.2 Comments