

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 5664 - L2 Version 5  
Chandra X-Ray Center

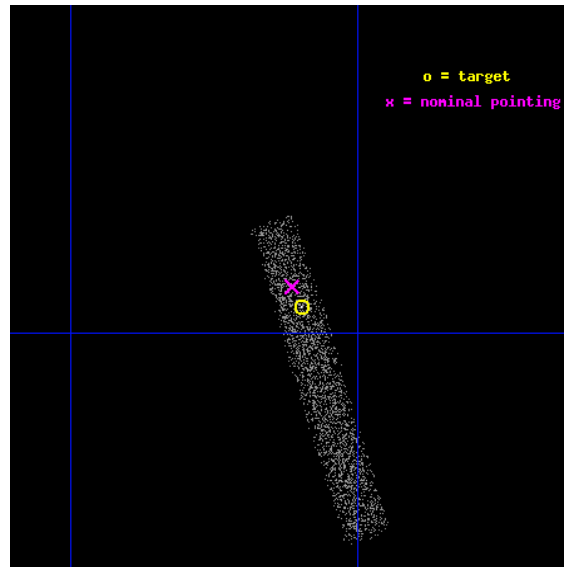
L2 Processing Date : Dec 18 2012

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# 1 Front

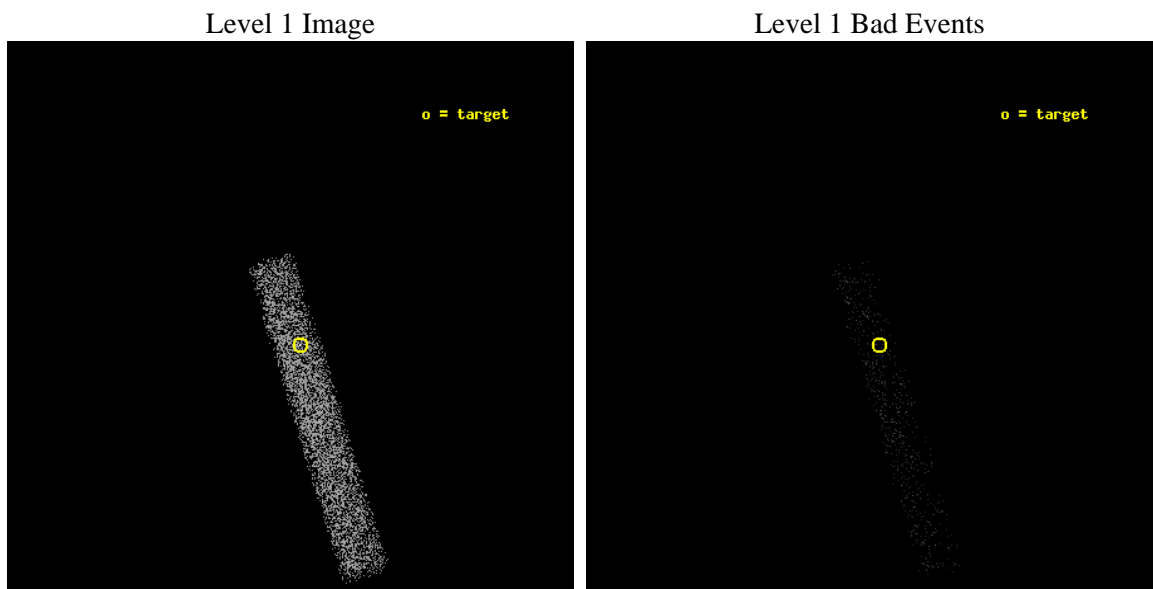
seq_num	701087	Sequence number
obs_id	5664	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J124035.81-002919.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.149167	Observer's specified target RA [deg]
dec_targ	-0.488722	Observer's specified target Dec [deg]
ra_nom	190.15354581535	Nominal RA [deg]
dec_nom	-0.48006923473939	Nominal Dec [deg]
roll_nom	72.93539090404	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5136.4000765085	Sum of GTIs [s]
livetime	4658.4437479671	Livetime [s]
ontime7	5136.4000765085	Sum of GTIs [s]
l2events	3118	Number of level 2 events



## 2 OBI

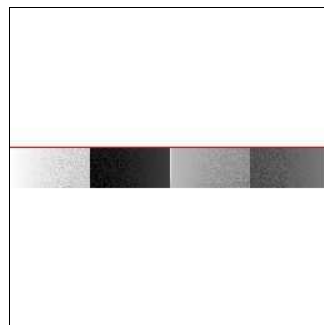
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5136.4000765085	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	5136.4000765085	Sum of GTIs [s]
date	2012-12-17T19:26:10	Date and time of file creation	l1events	8346	Number of level 1 events
revision	5	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	8346
rejected events	5114
rejected %	61%

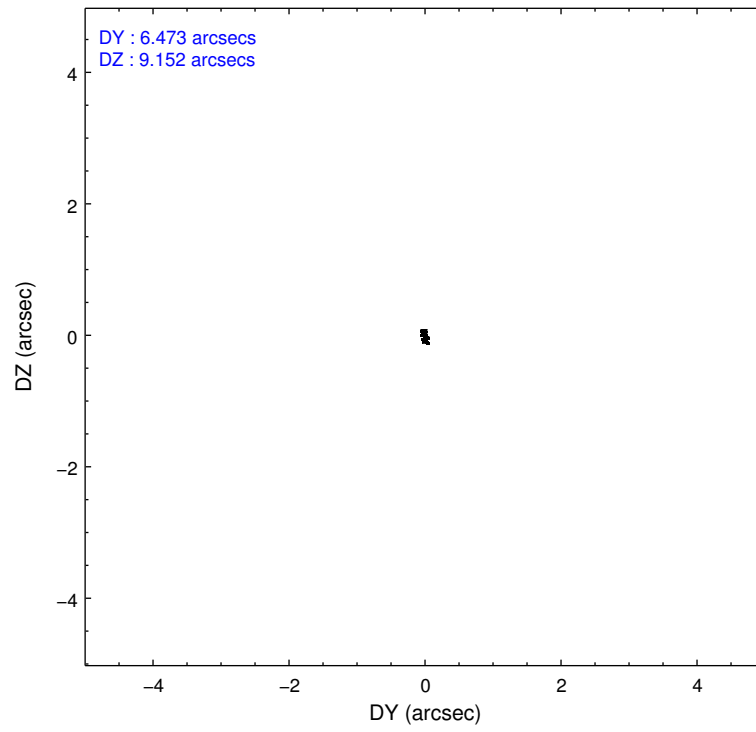
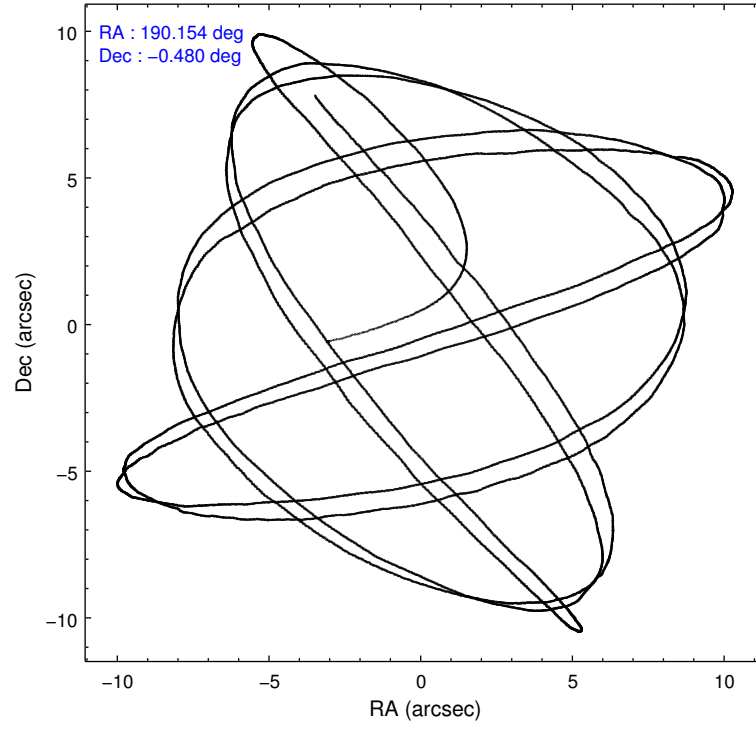
	<b>ccd 7</b>
grade 0 events	441
	5%
grade 1 events	17
	0%
grade 2 events	703
	8%
grade 3 events	504
	6%
grade 4 events	461
	5%
grade 5 events	747
	8%
grade 6 events	1790
	21%
grade 7 events	3683
	44%

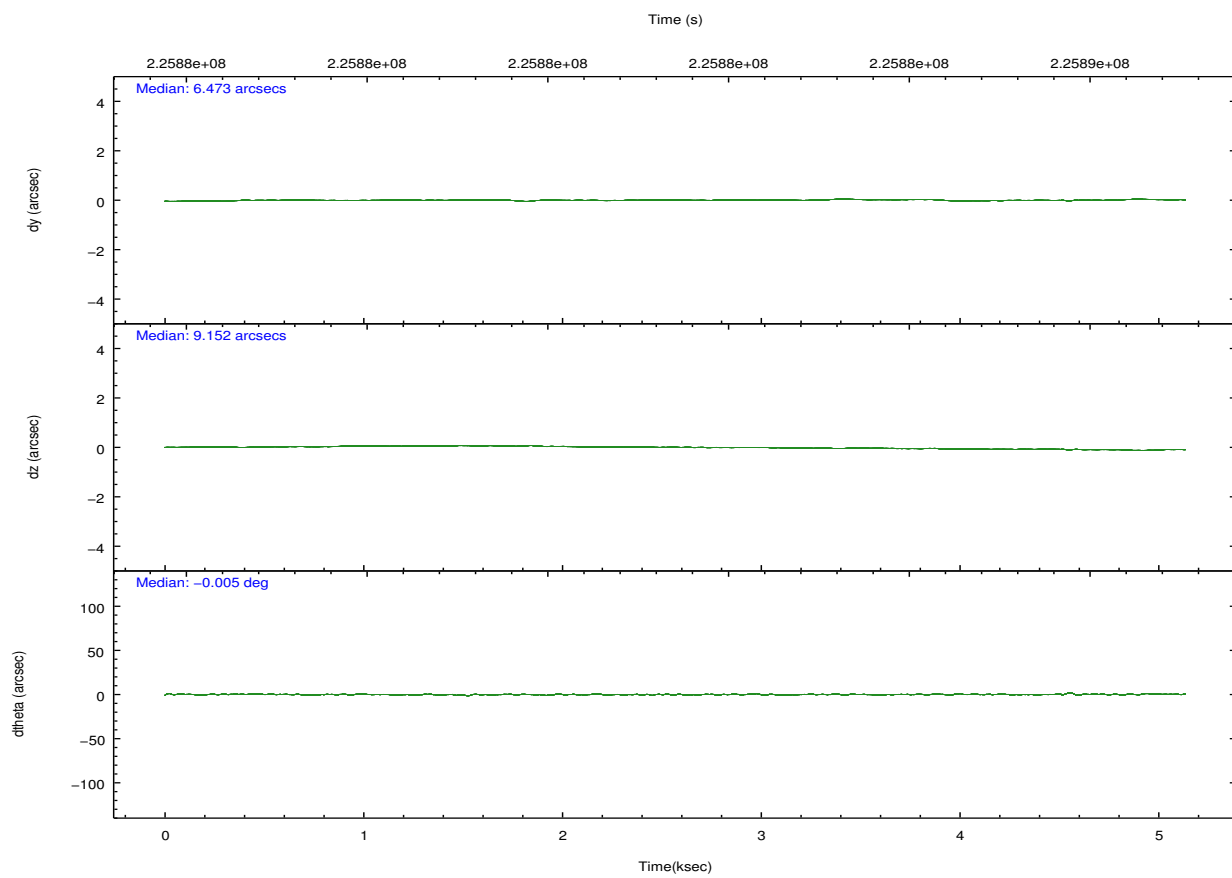
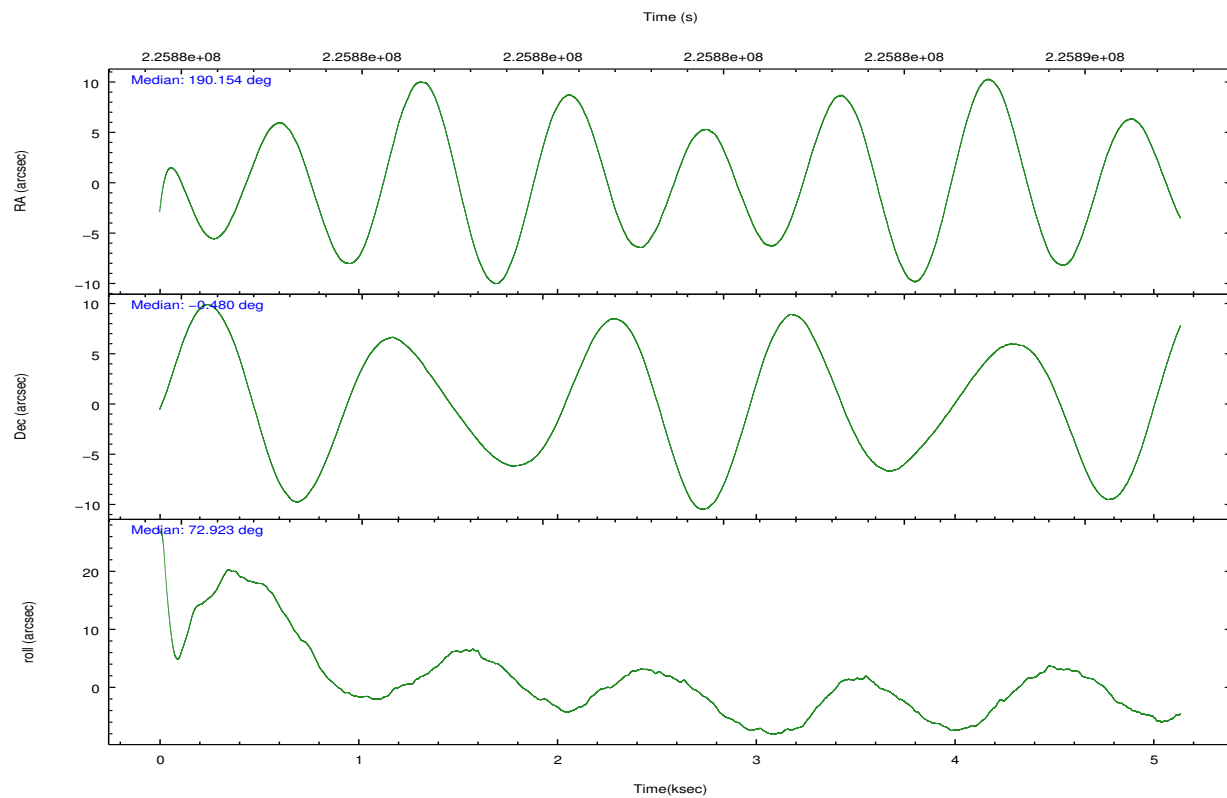


## 2.2 Compared Parameters

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	190.160042	190.15354581535	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-0.506575	-0.480069234739387	Subarray start row	449	449
[deg] Pointing Roll	72.778741	72.93539090404012	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	225881271.184000	225880165.89837			
Observation start date	2005-02-27T08:46:47	2005-02-27T08:29:25			
[s] Observation end time (MET)	225886271.184000	225887033.91118			
Observation end date	2005-02-27T10:10:07	2005-02-27T10:23:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect



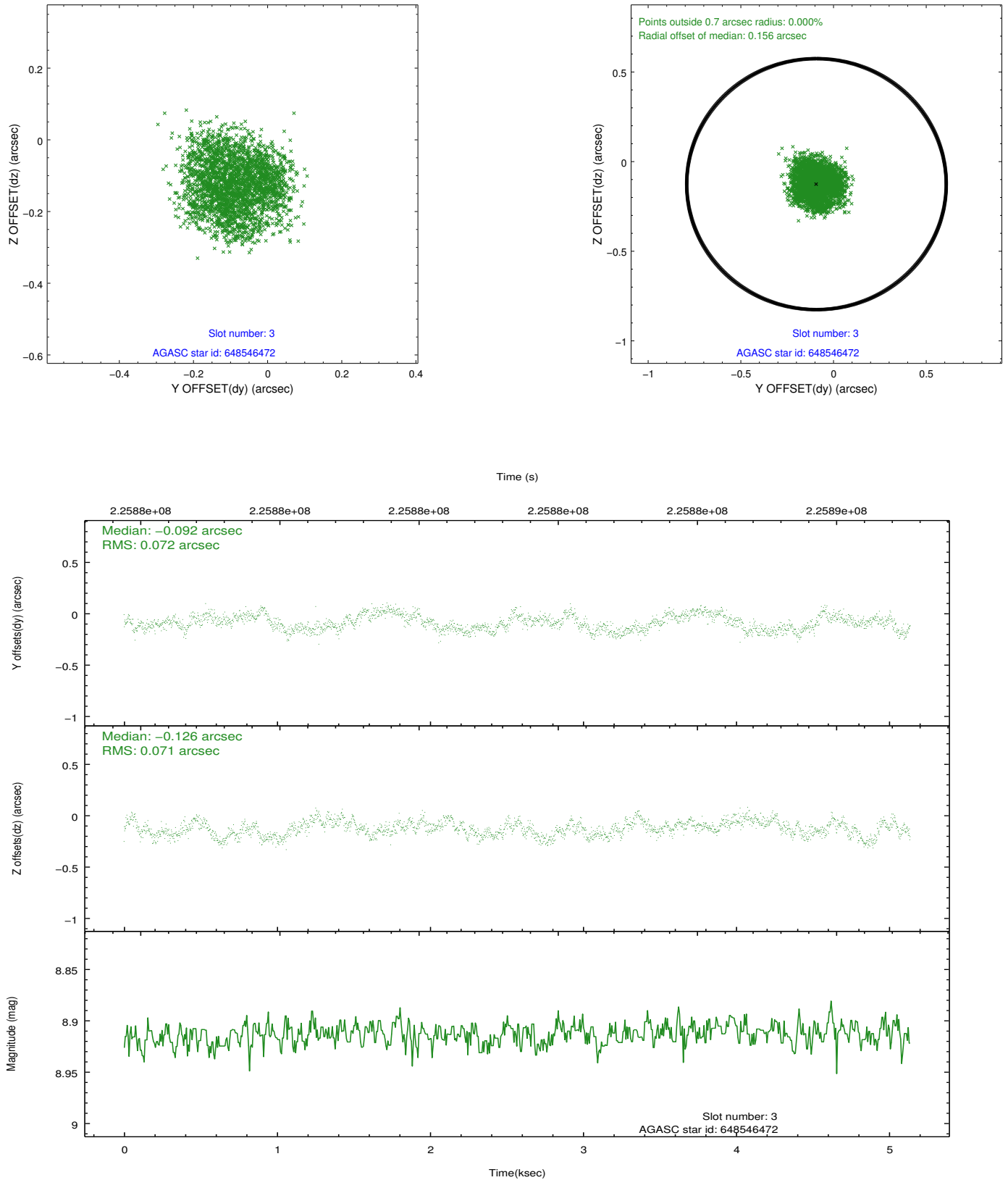


### Slot Statistics

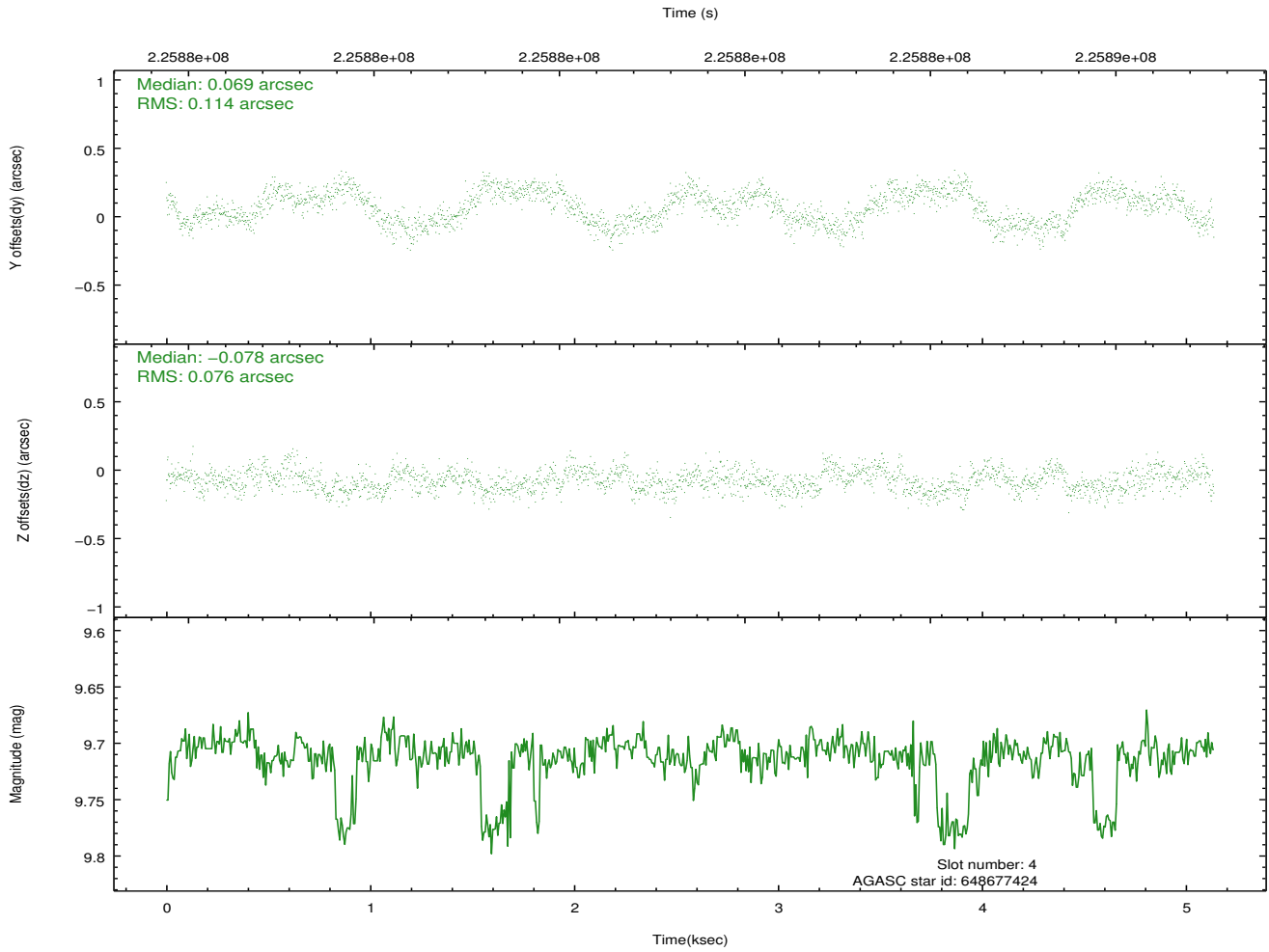
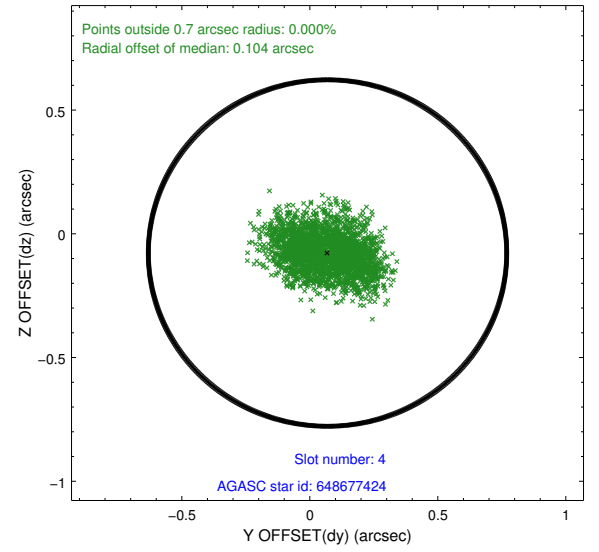
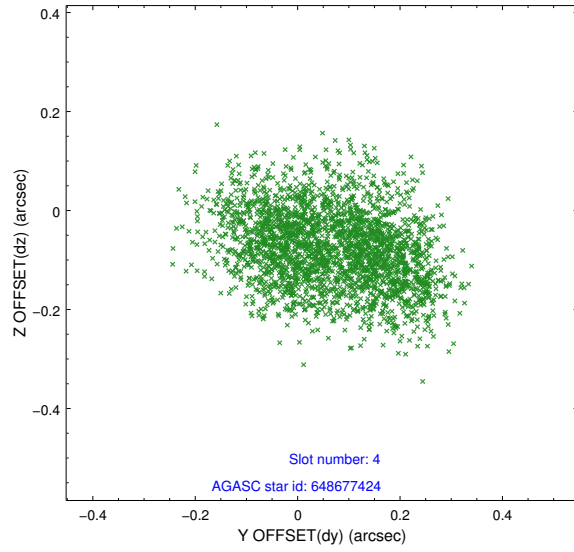
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1253	0.011	-0.010	0.007	0.011	0.000000	0.000000	936.81	-1725.96
1	FID	ACIS-S-4	7.21	1253	0.052	0.006	0.007	0.011	0.000000	0.000000	2154.94	176.99
2	FID	ACIS-S-5	7.23	1253	-0.090	0.017	0.006	0.011	0.000000	0.000000	-1810.62	171.96
3	GUIDE	648546472	8.91	2507	-0.092	-0.126	0.113	0.160	189.852690	-0.296096	395.91	1281.22
4	GUIDE	648677424	9.71	2506	0.069	-0.078	0.149	0.226	190.000454	-0.529348	-248.12	524.92
5	GUIDE	648681160	8.77	2507	0.117	0.052	0.101	0.170	190.265088	-0.620514	-279.75	-482.56
6	GUIDE	648682856	8.15	2504	-0.057	0.008	0.121	0.172	190.573610	-0.307955	1124.06	-1210.48
7	GUIDE	648683704	9.75	2505	-0.031	0.151	0.378	0.535	190.775135	-0.538340	547.21	-2149.14

## 2.4 Star Slots

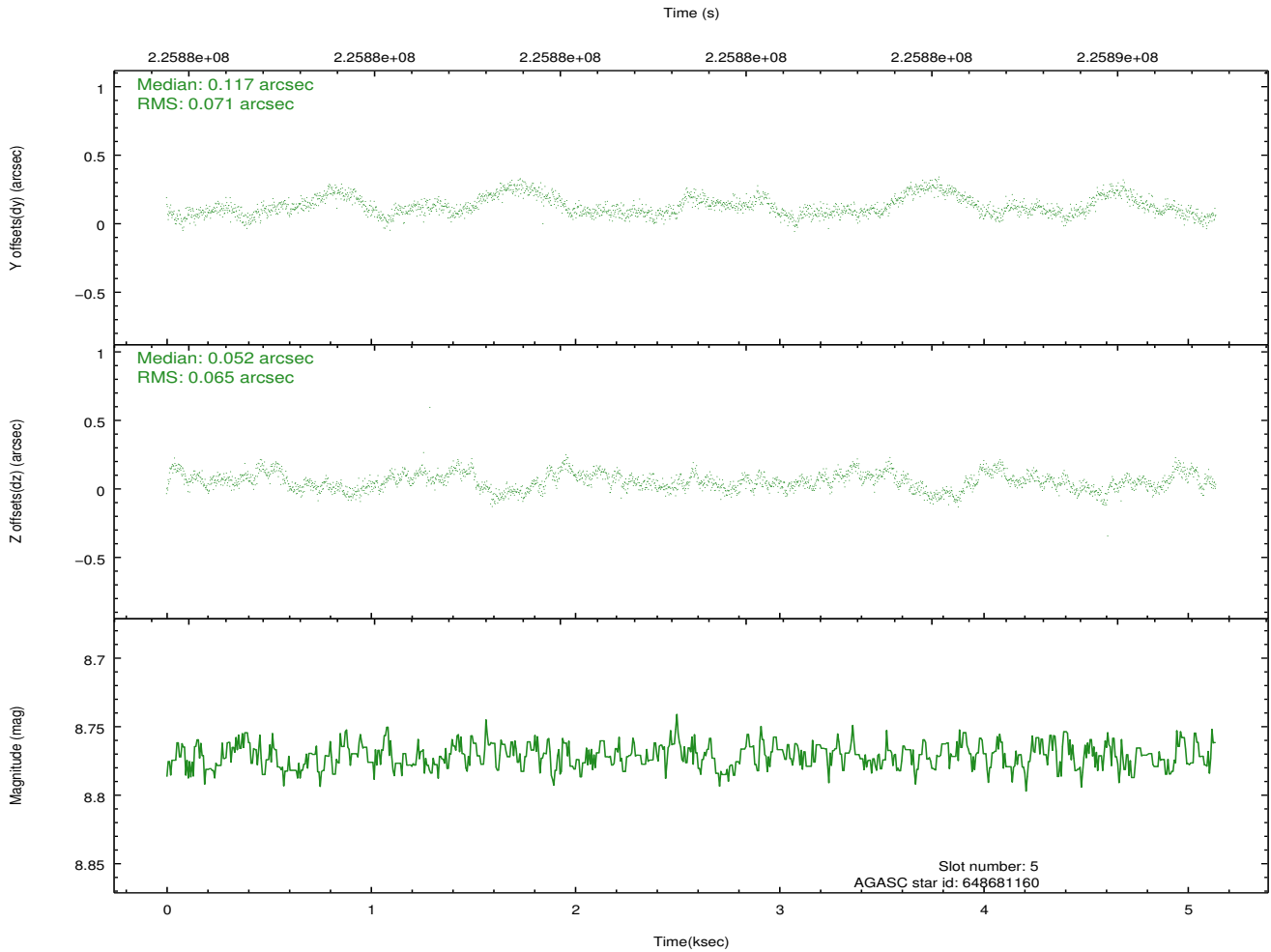
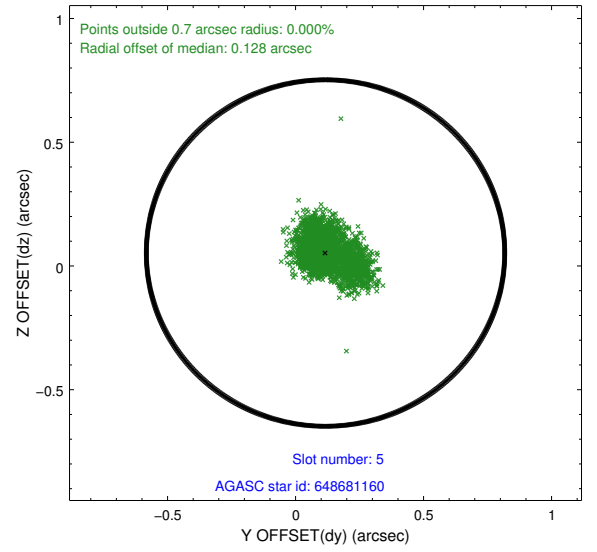
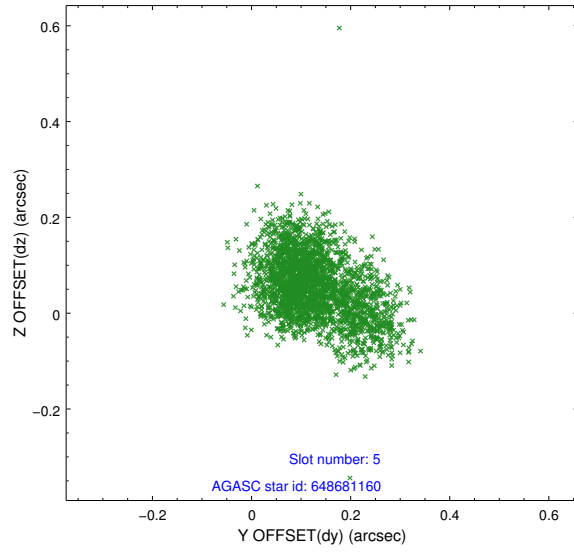
### 2.4.1 Slot 3



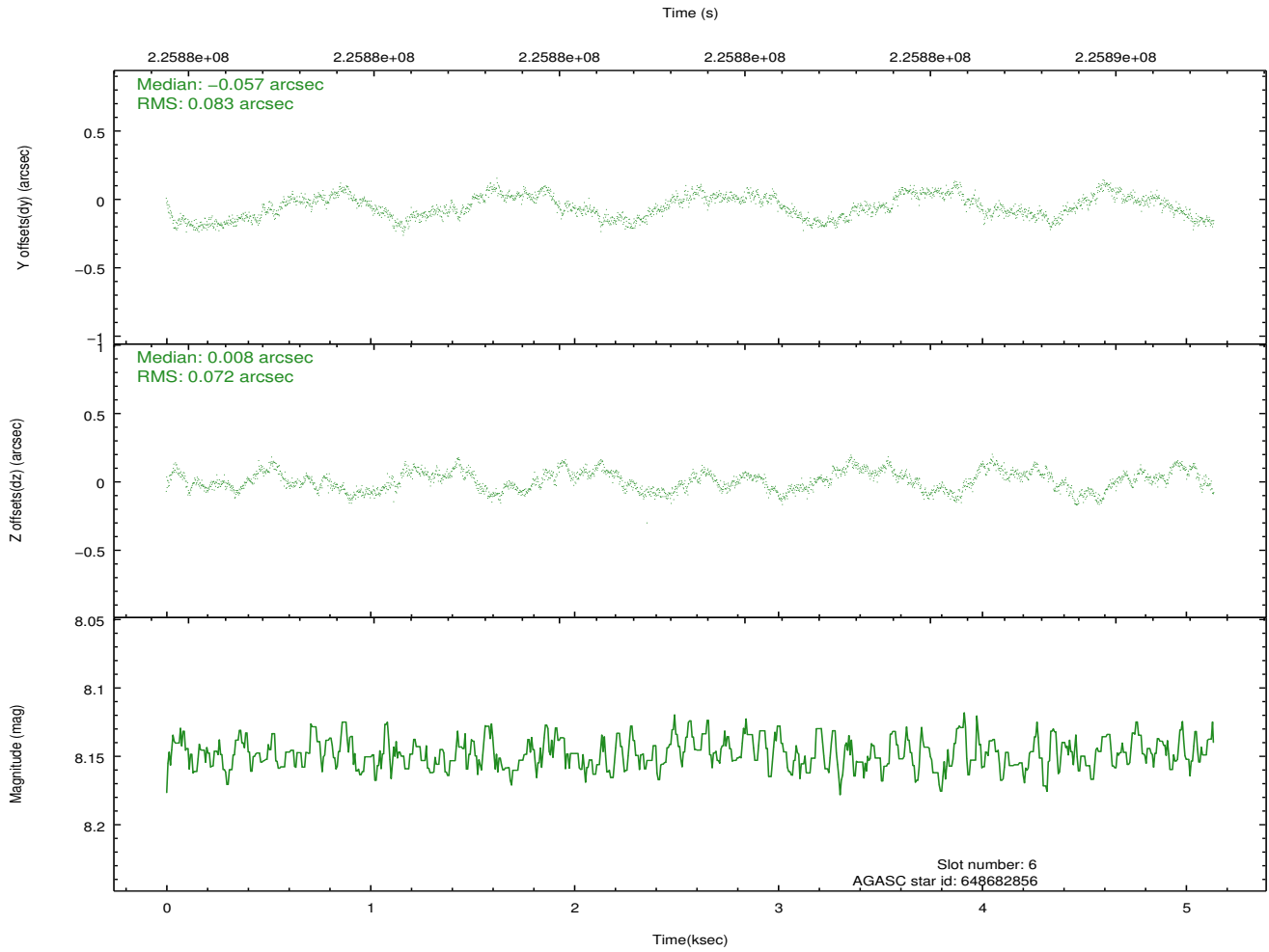
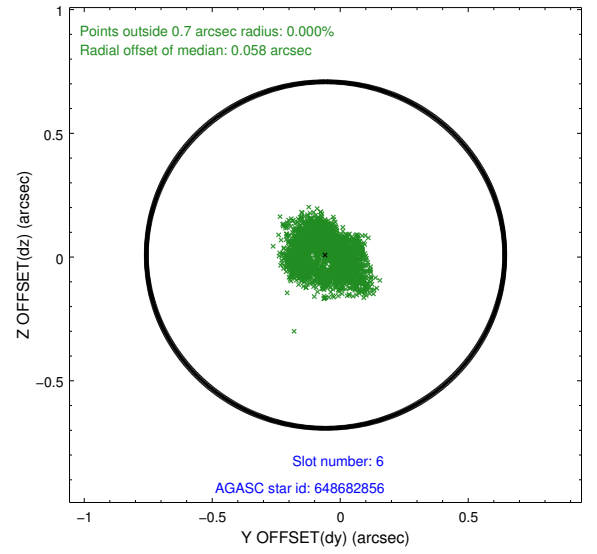
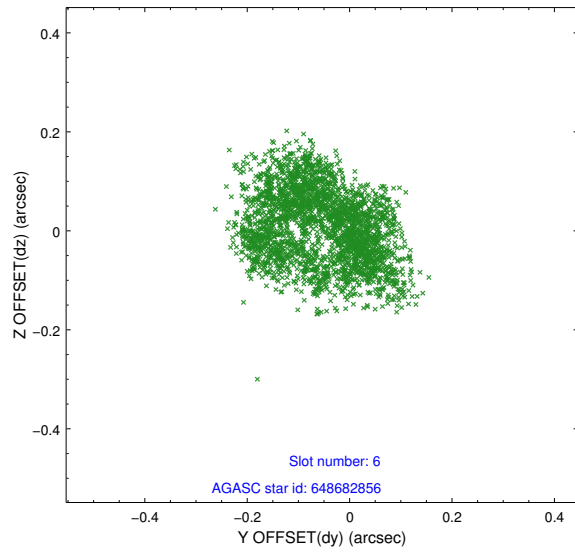
## 2.4.2 Slot 4



### 2.4.3 Slot 5

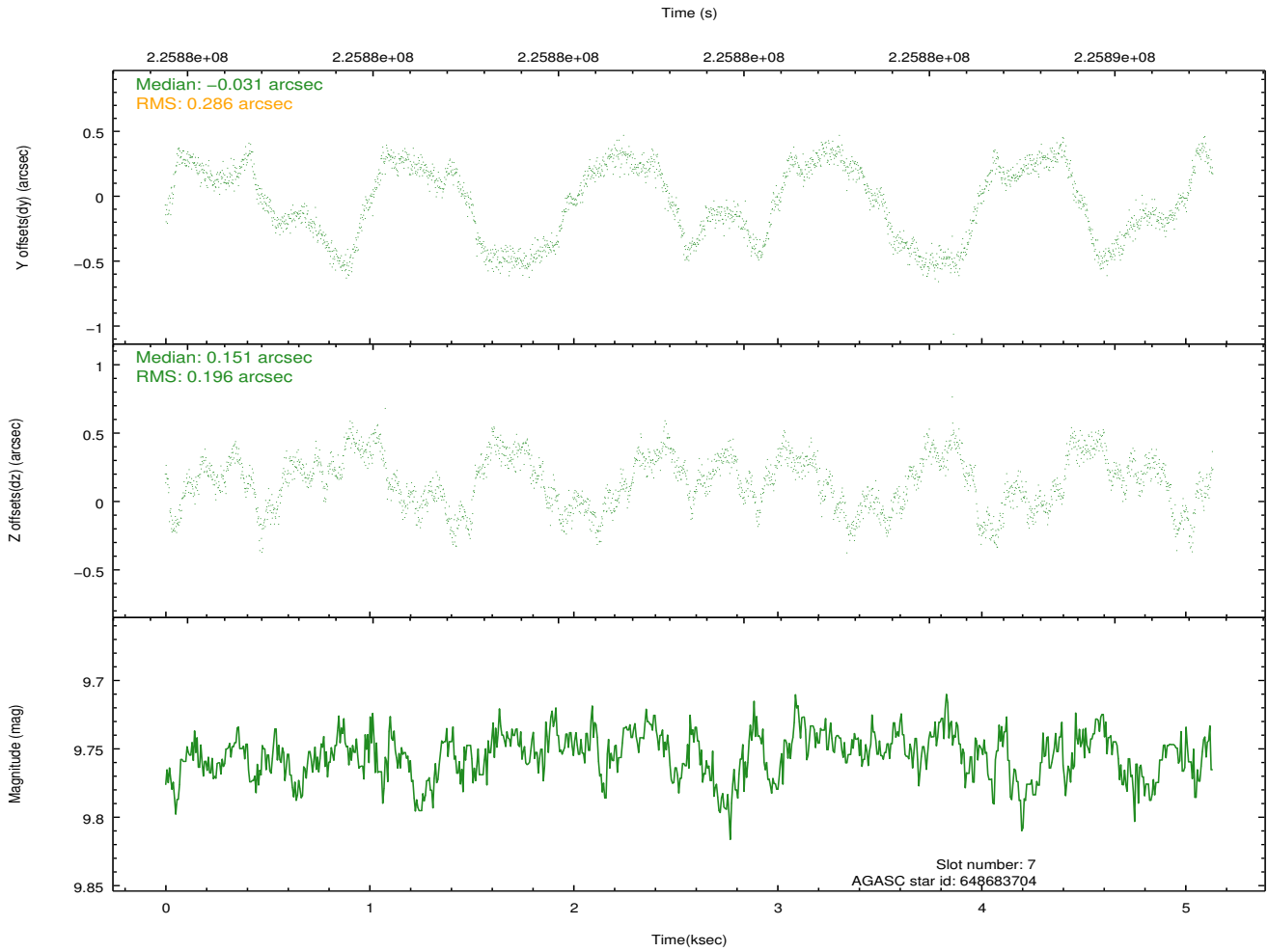
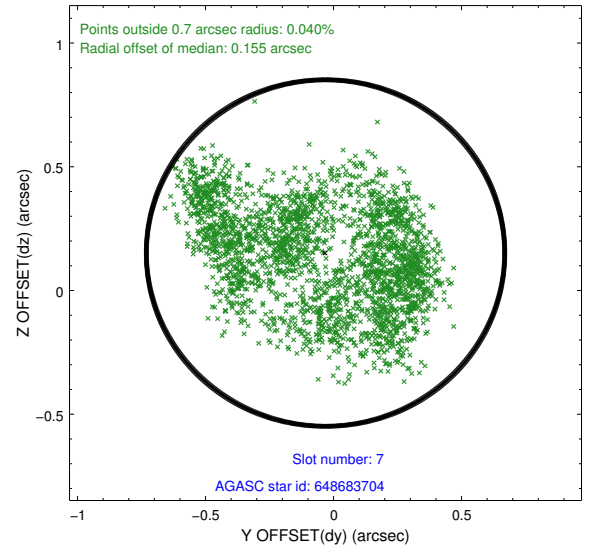
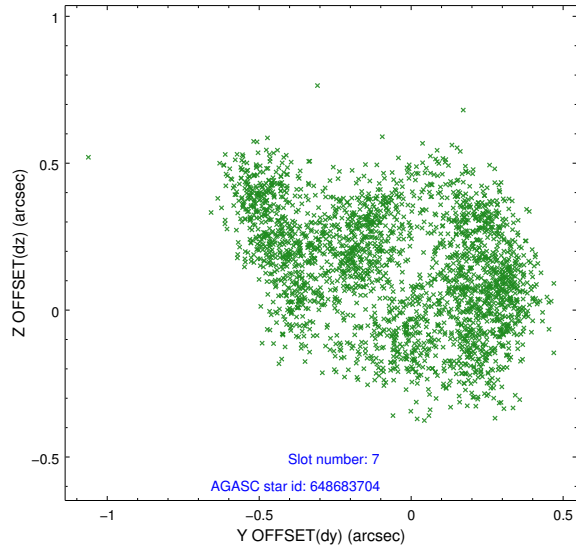


## 2.4.4 Slot 6



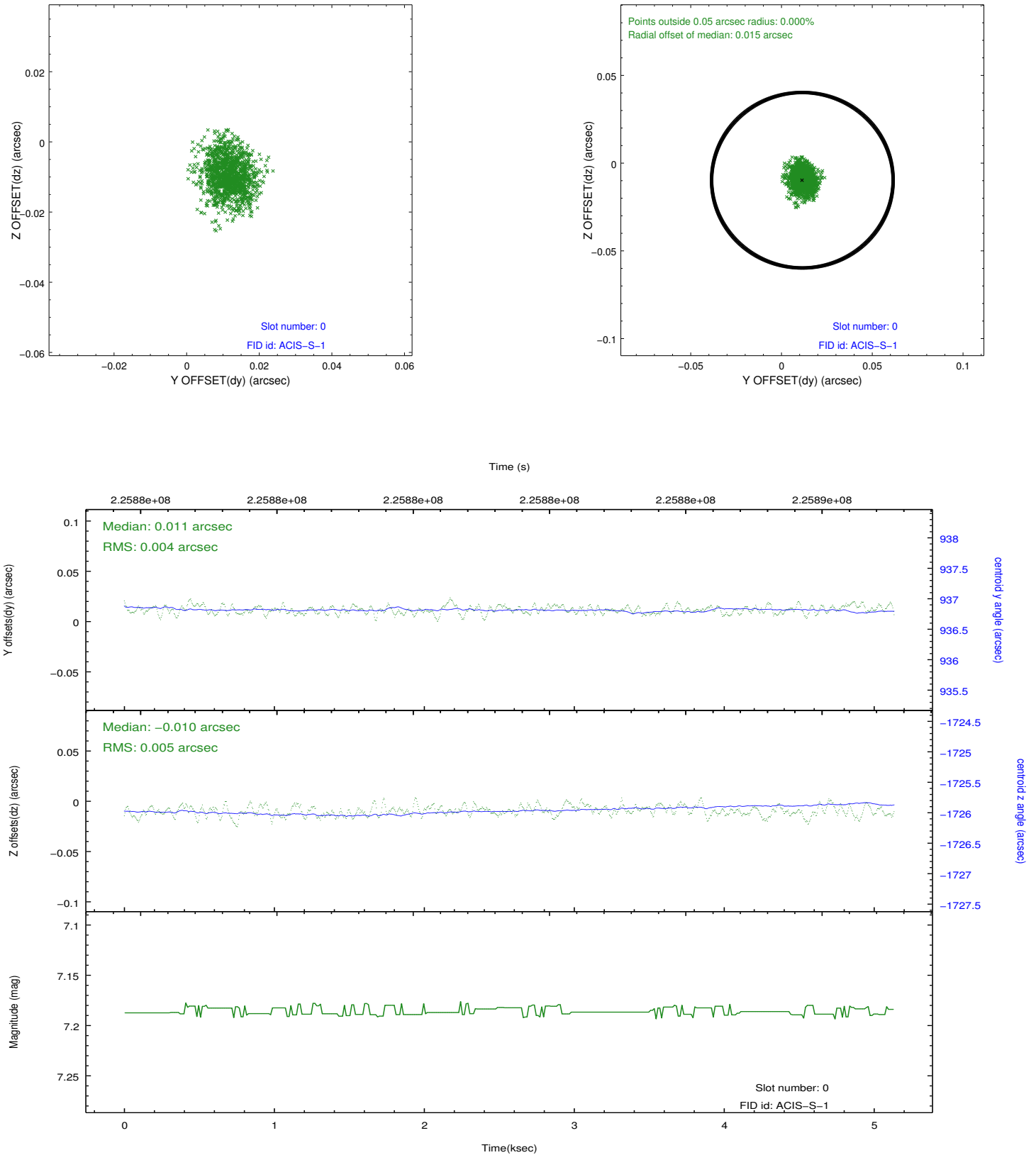


## 2.4.5 Slot 7

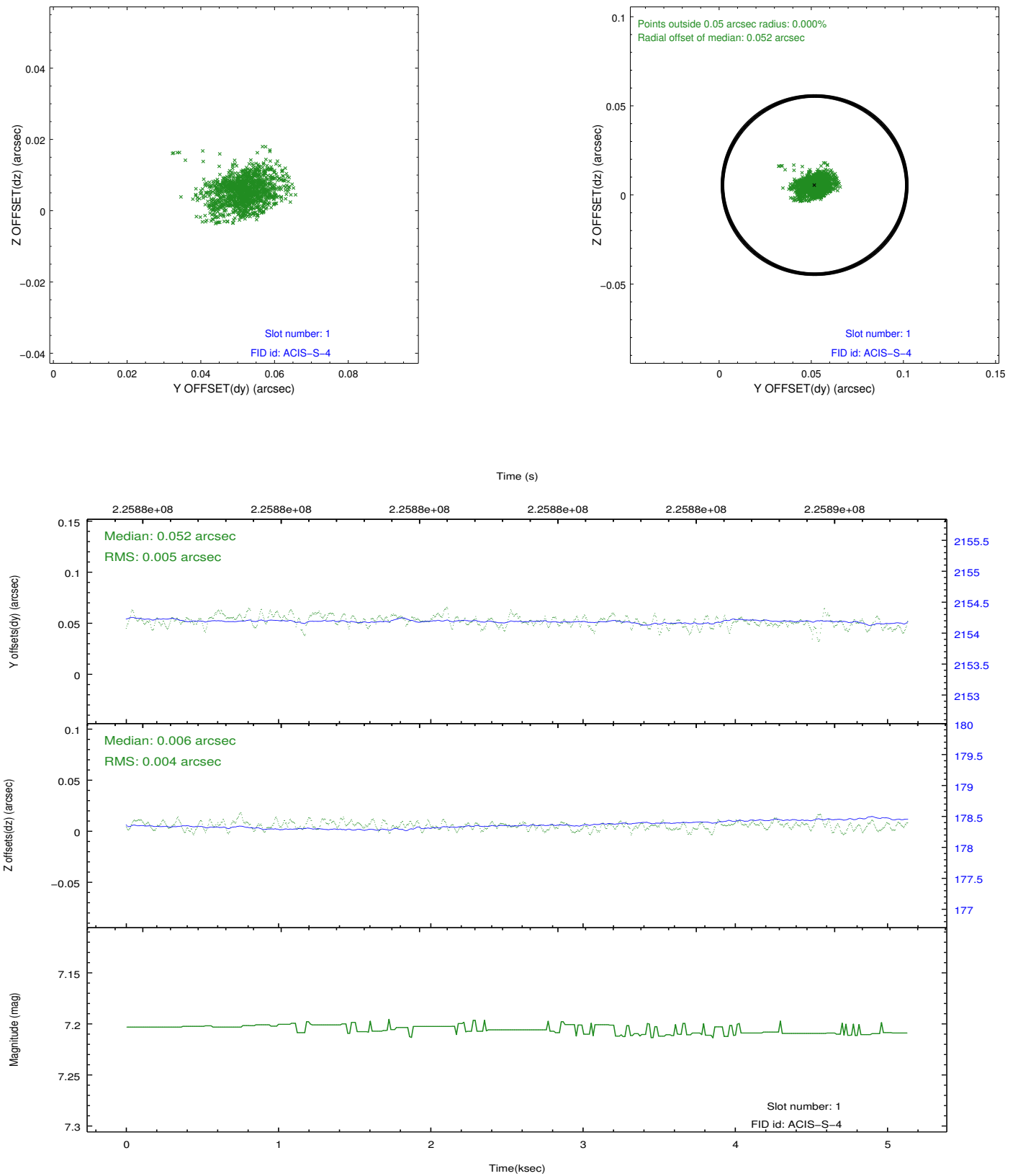


## 2.5 FID Slots

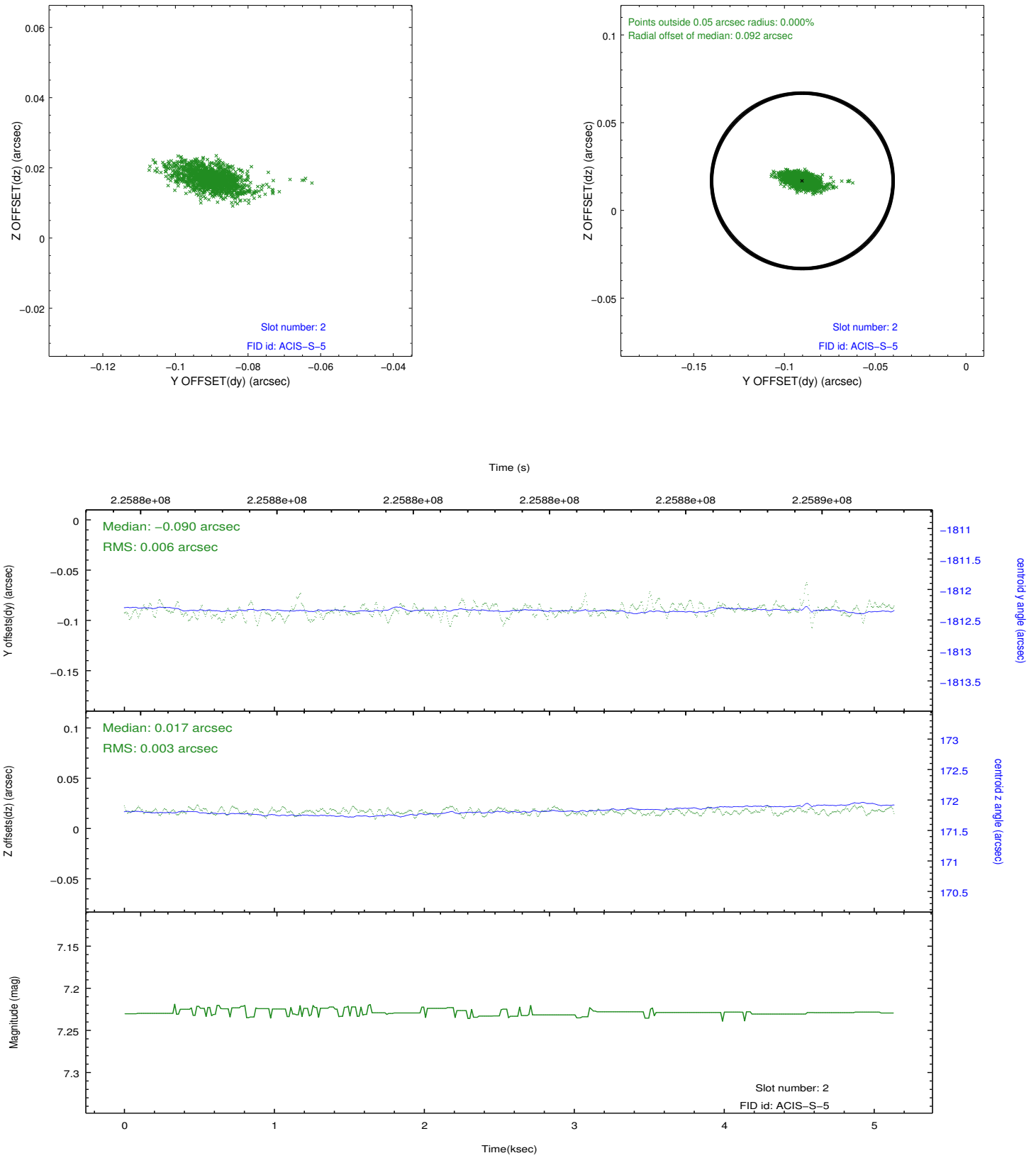
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1364

### A.2 Comments