

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4789 - L2 Version 3  
Chandra X-Ray Center

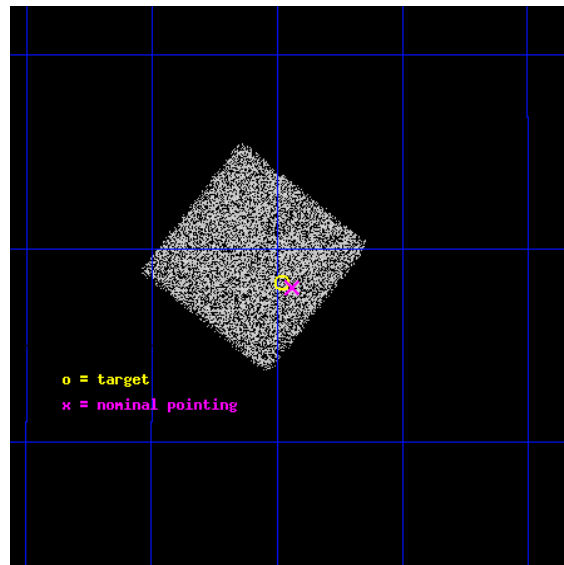
L2 Processing Date : Dec 2 2012

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# 1 Front

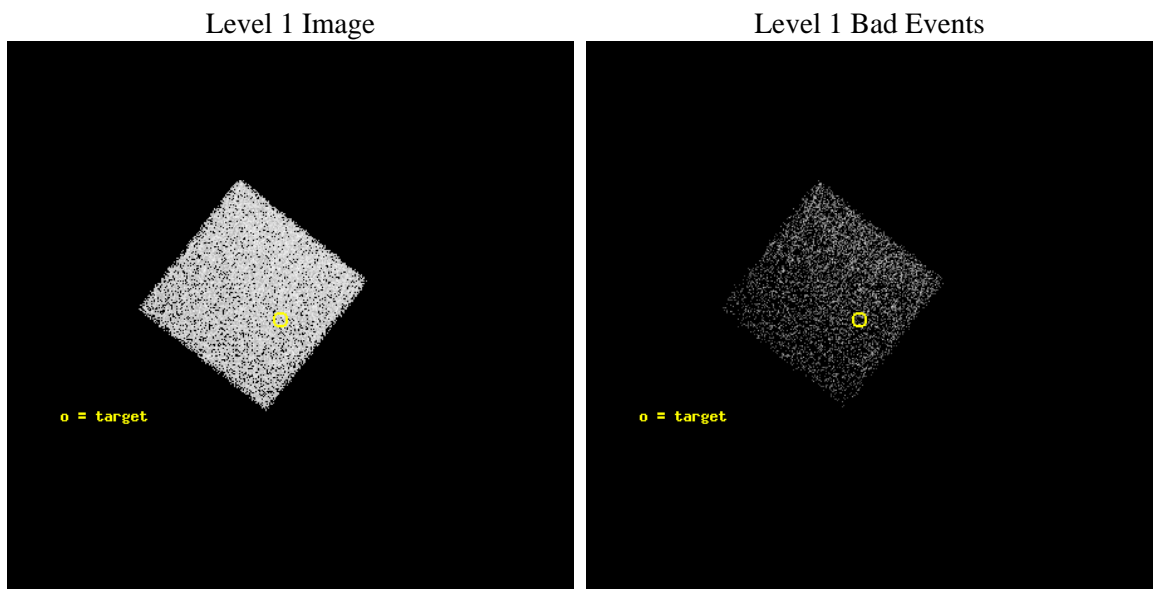
seq_num	700872	Sequence number
obs_id	4789	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1500-4372	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.62	Observer's specified target RA [deg]
dec_targ	28.971139	Observer's specified target Dec [deg]
ra_nom	225.61031226238	Nominal RA [deg]
dec_nom	28.966487730977	Nominal Dec [deg]
roll_nom	218.20626296101	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4041.0	Sum of GTIs [s]
livetime	3986.4651566569	Livetime [s]
ontime7	4041.0	Sum of GTIs [s]
l2events	16016	Number of level 2 events



## 2 OBI

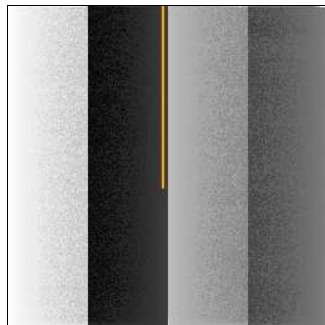
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3862.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4041.0	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	4041.0	Sum of GTIs [s]
date	2012-12-03T00:44:21	Date and time of file creation	l1events	45275	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	45275
rejected events	28817
rejected %	63%

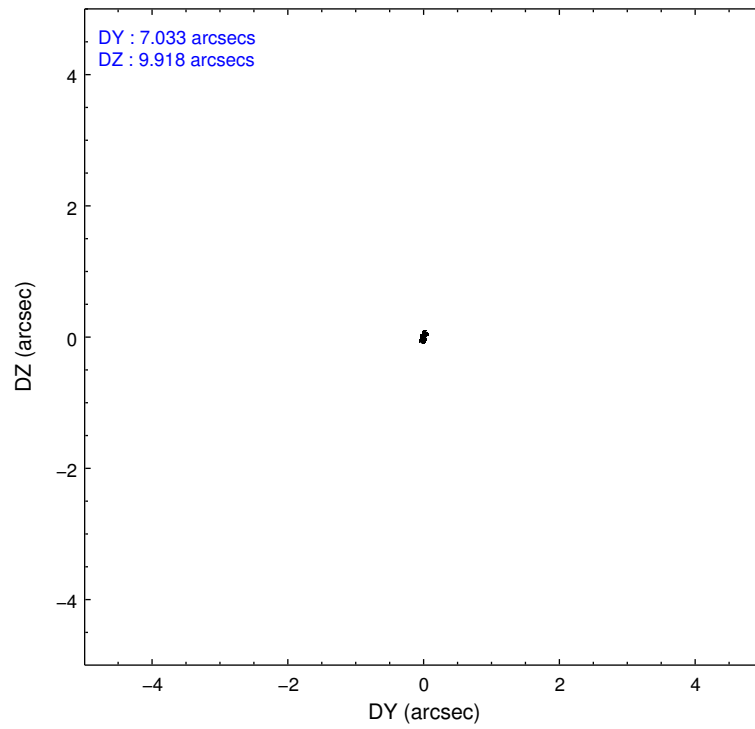
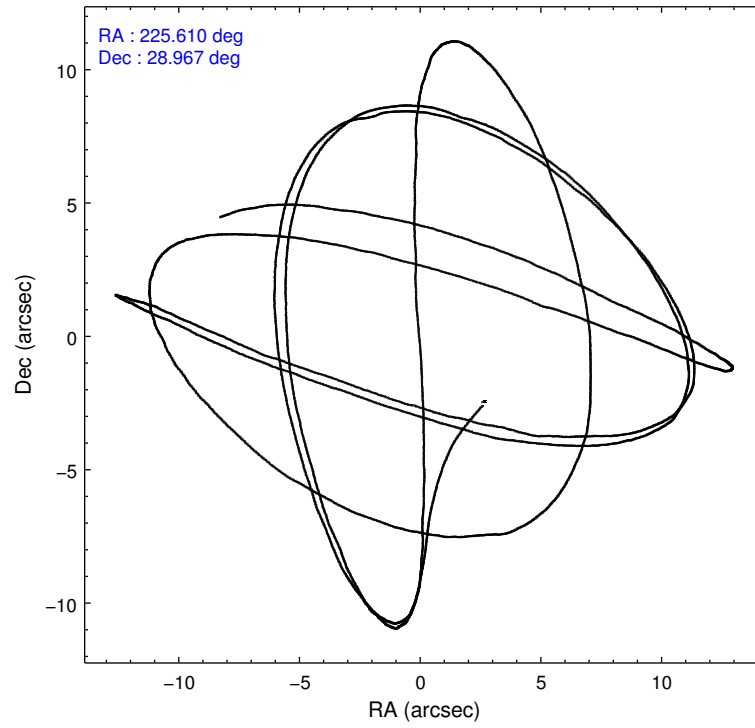
	<b>ccd 7</b>
grade 0 events	1729
	3%
grade 1 events	35
	0%
grade 2 events	3802
	8%
grade 3 events	1716
	3%
grade 4 events	1692
	3%
grade 5 events	4167
	9%
grade 6 events	9886
	21%
grade 7 events	22248
	49%

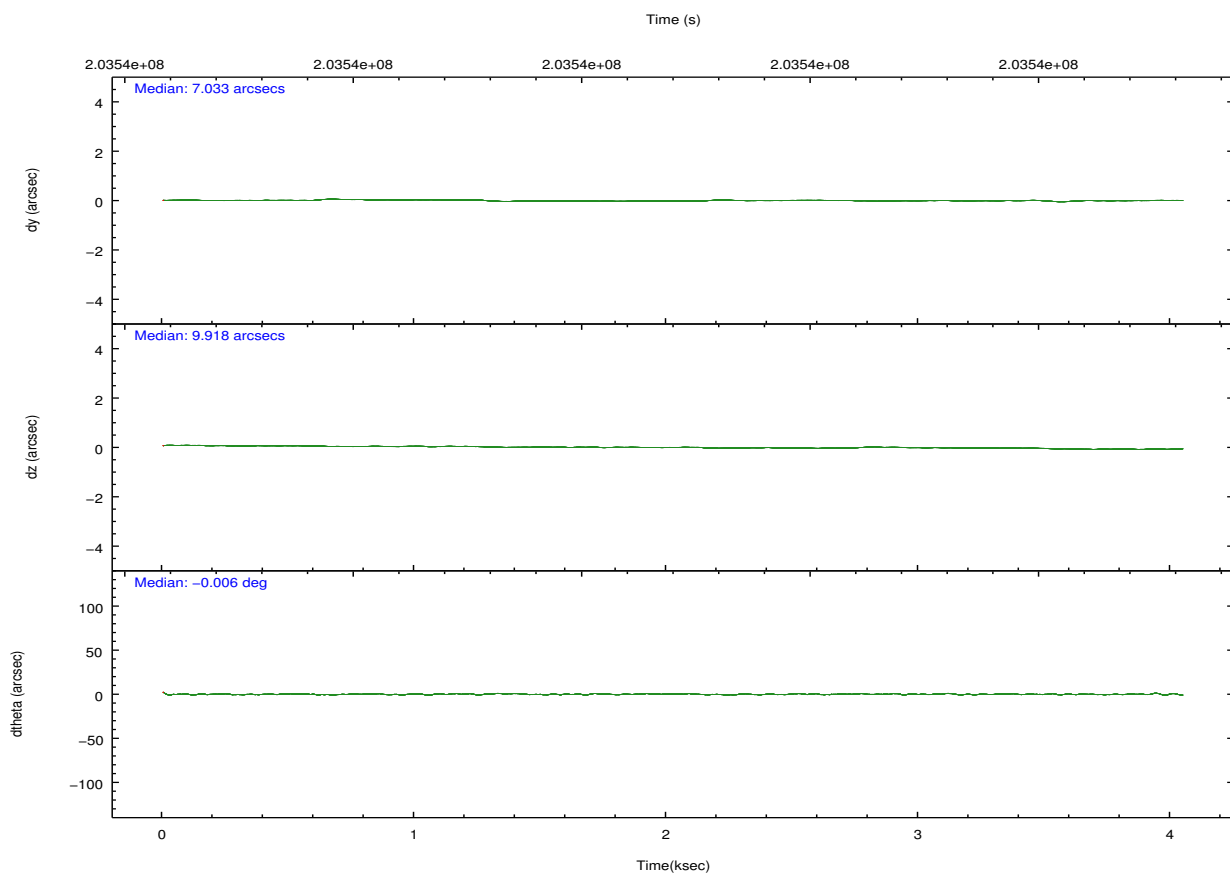
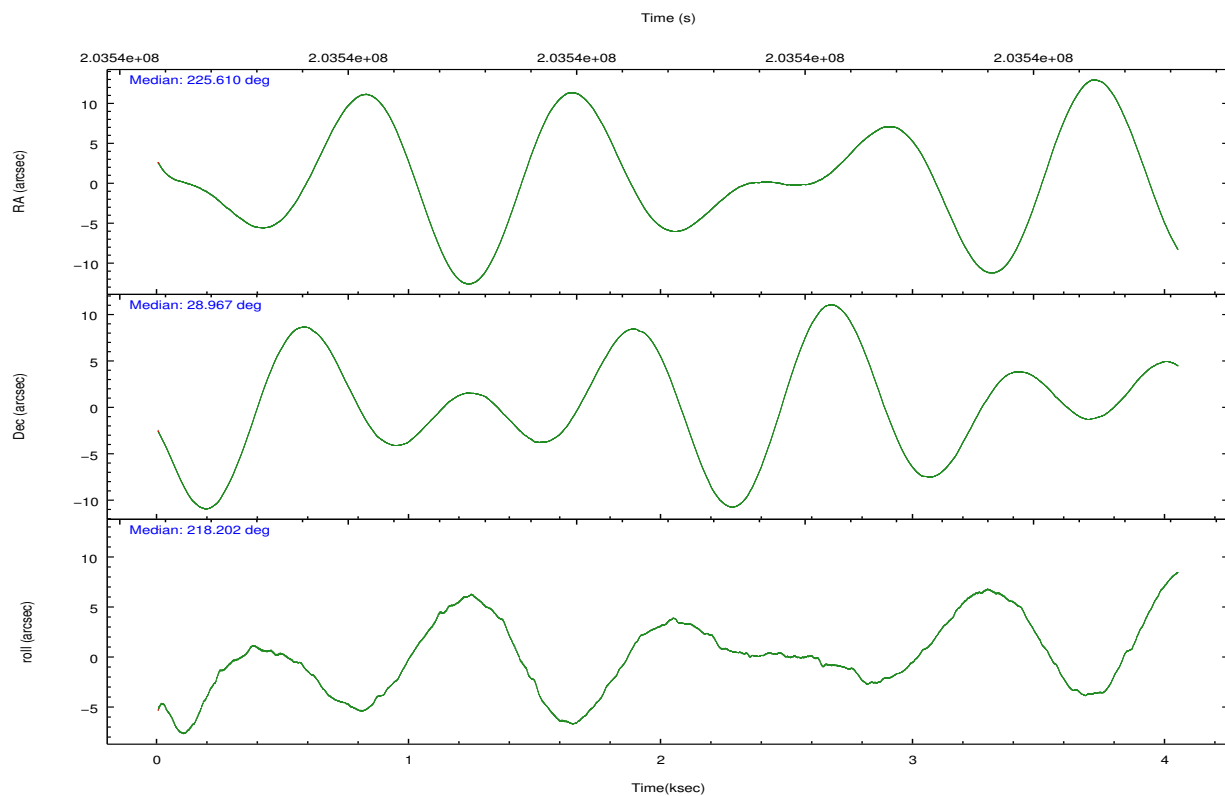


## 2.2 Compared Parameters

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	225.621417	225.6103122623751	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.991996	28.96648773097692	Alternating exposures requested	N	N
[deg] Pointing Roll	218.044247	218.2062629610149	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	203535567.184000	203534540.16034			
Observation start date	2004-06-13T17:38:23	2004-06-13T17:22:20			
[s] Observation end time (MET)	203539429.184000	203540014.68558			
Observation end date	2004-06-13T18:42:45	2004-06-13T18:53:34			
Read mode	TIMED	TIMED			

## 2.3 Aspect



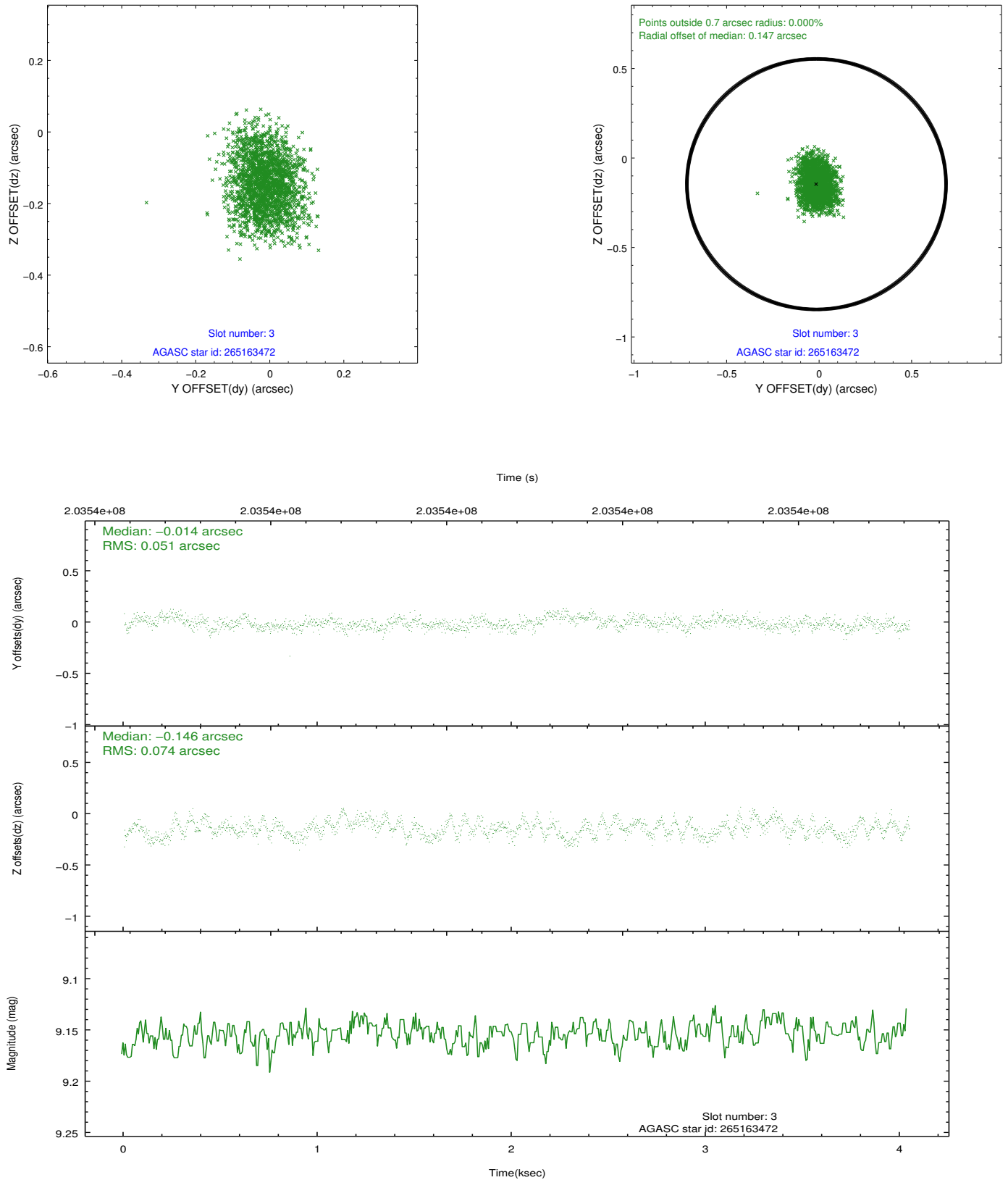


### Slot Statistics

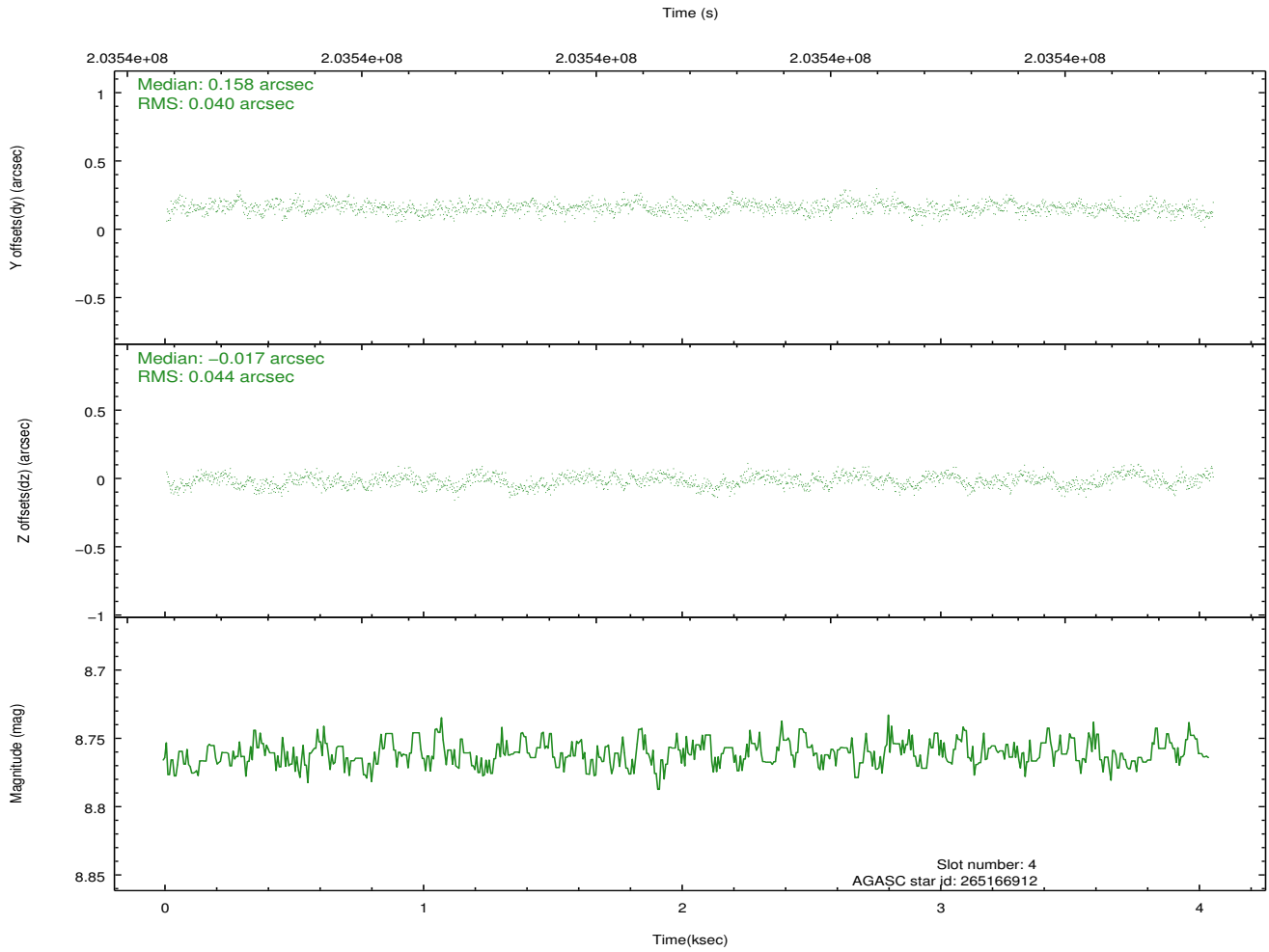
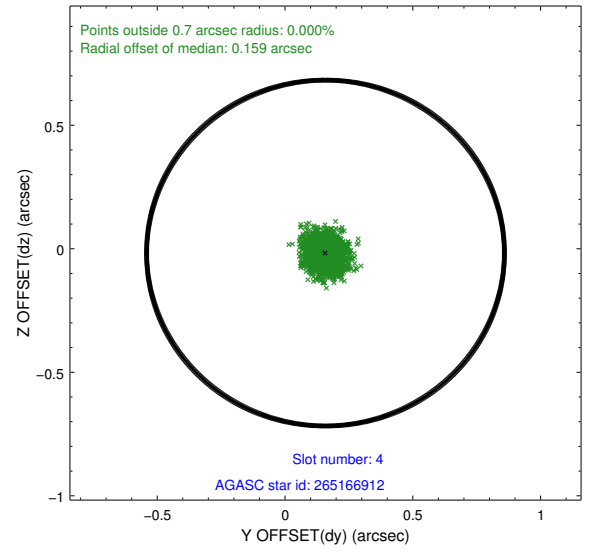
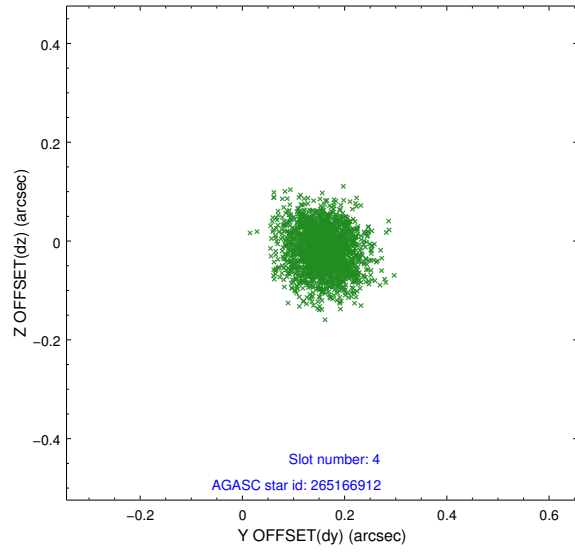
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	988	0.023	-0.022	0.006	0.011	0.000000	0.000000	936.28	-1726.76
1	FID	ACIS-S-5	7.24	987	-0.054	0.018	0.007	0.010	0.000000	0.000000	-1811.94	169.24
2	FID	ACIS-S-6	7.35	988	0.010	0.016	0.007	0.011	0.000000	0.000000	400.15	814.95
3	GUIDE	265163472	9.15	1974	-0.014	-0.146	0.097	0.155	225.337172	29.505471	-438.24	-2005.78
4	GUIDE	265166912	8.76	1975	0.158	-0.017	0.064	0.102	225.194151	28.591806	1950.07	299.10
5	GUIDE	266076192	8.16	1975	-0.128	0.008	0.112	0.168	226.066912	29.078516	-1296.48	616.32
6	GUIDE	266083192	9.31	1973	-0.075	0.065	0.095	0.153	226.520011	28.999545	-2252.35	1713.89
7	GUIDE	265161336	7.48	1974	0.055	0.105	0.095	0.142	225.776578	28.267250	1219.12	2358.63

## 2.4 Star Slots

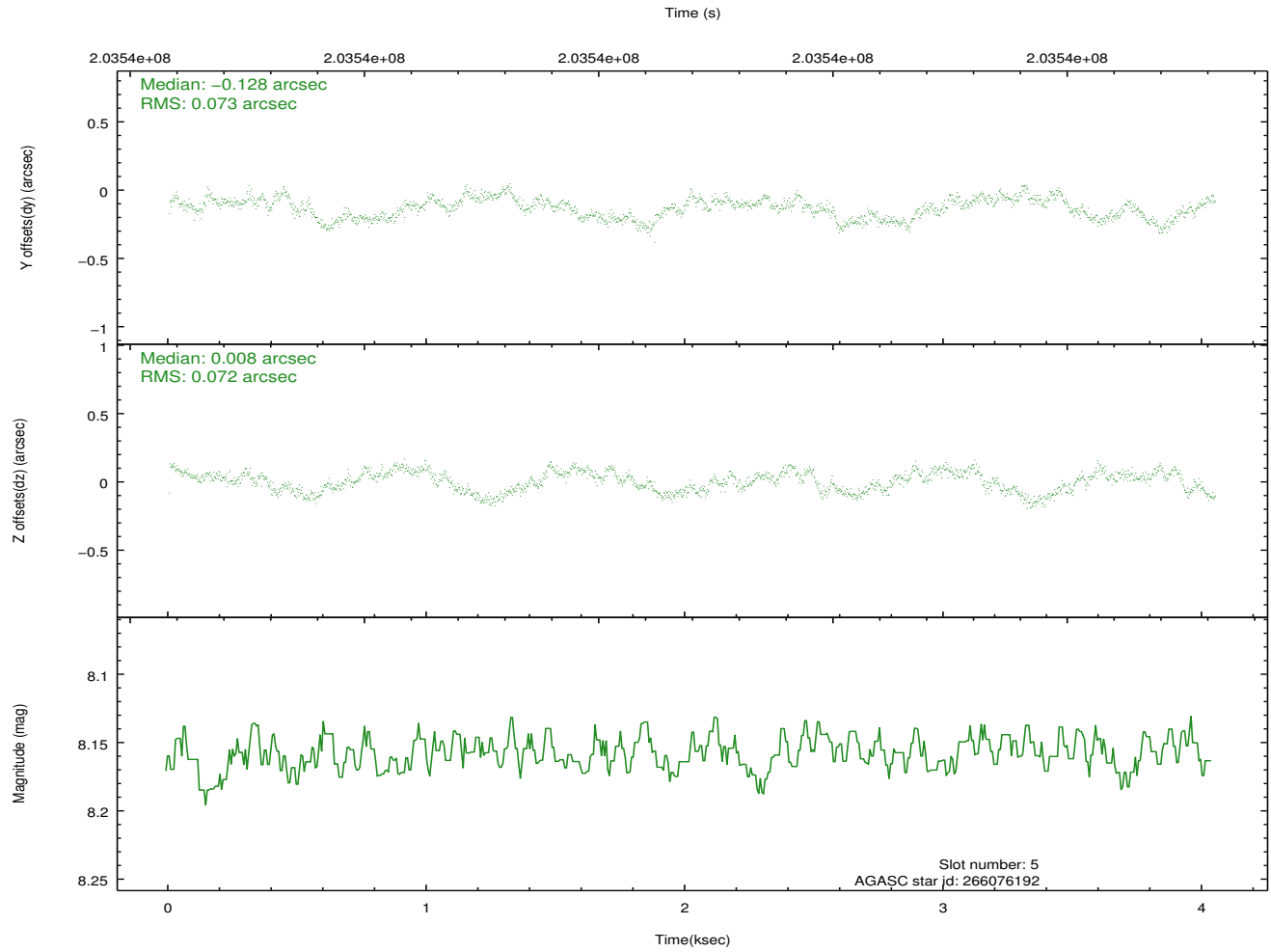
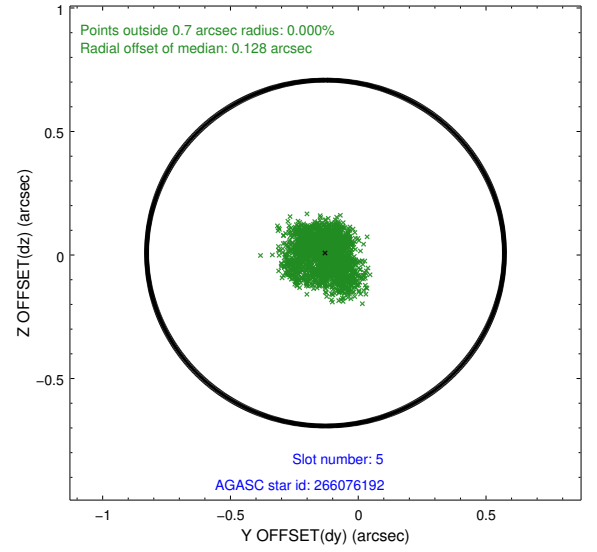
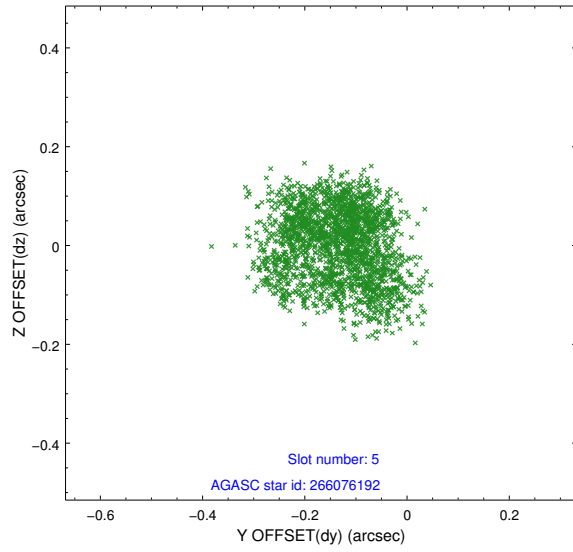
### 2.4.1 Slot 3



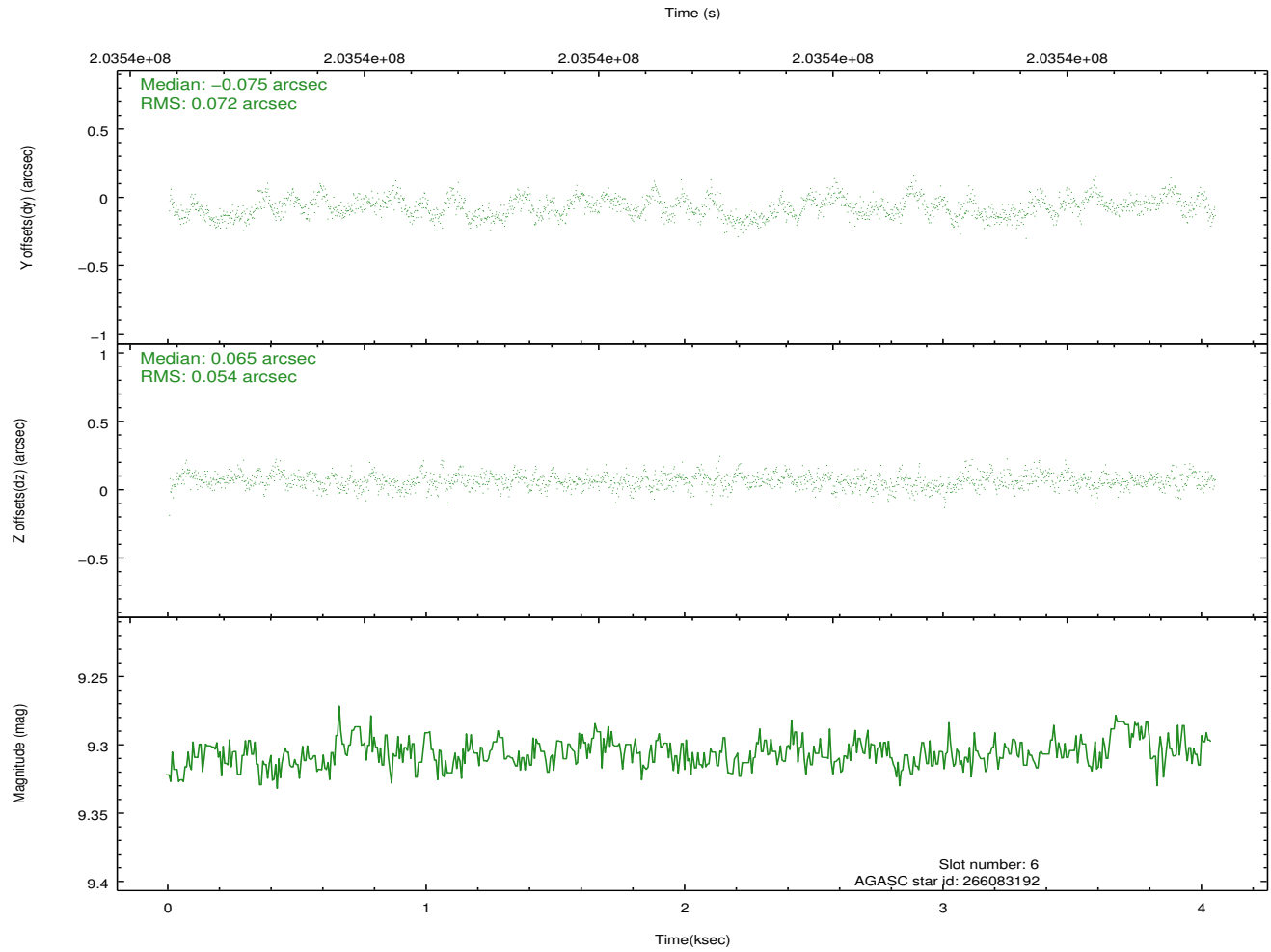
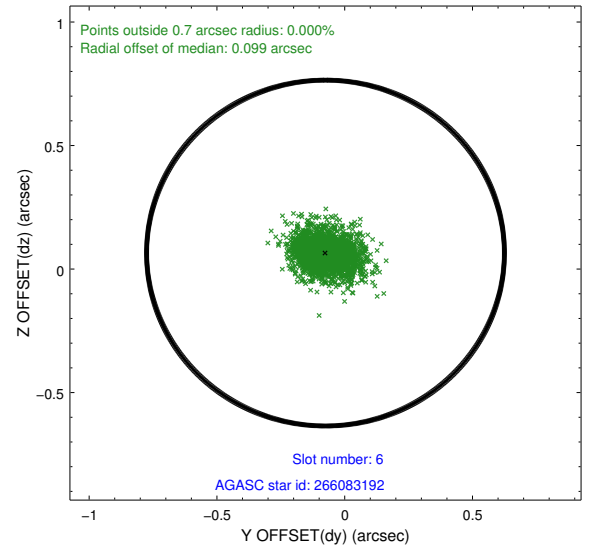
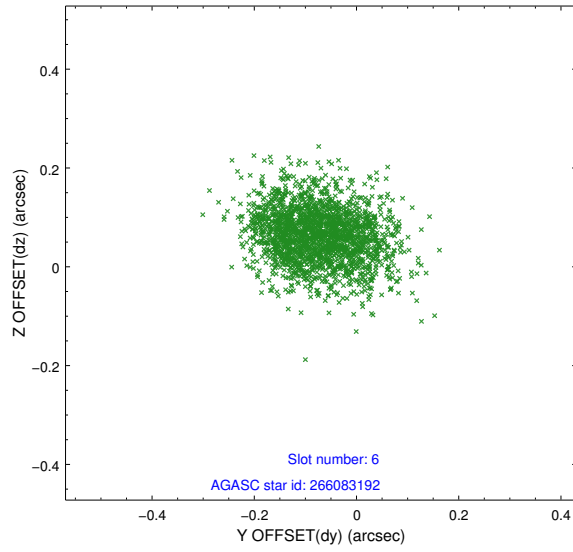
## 2.4.2 Slot 4



### 2.4.3 Slot 5

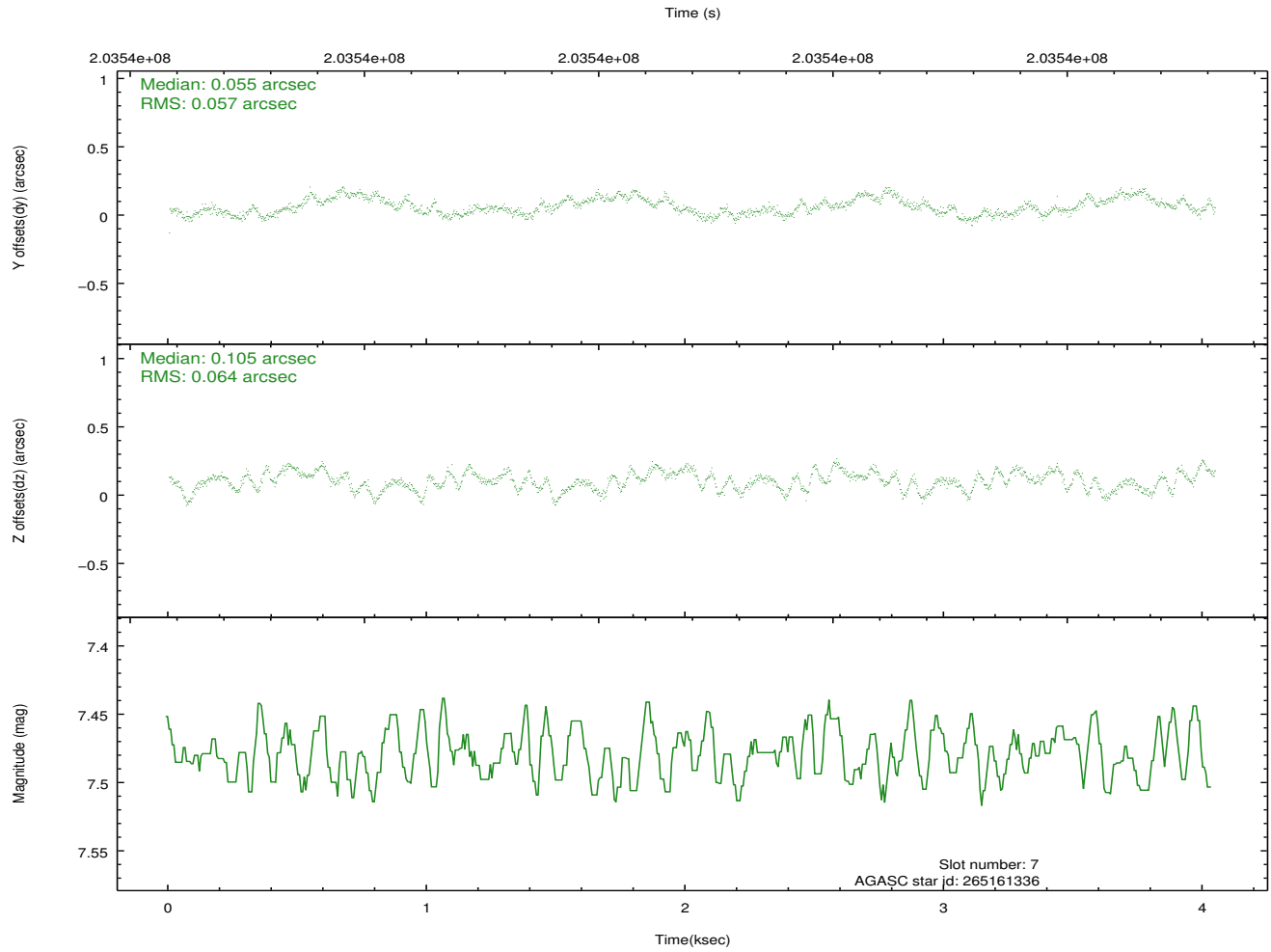
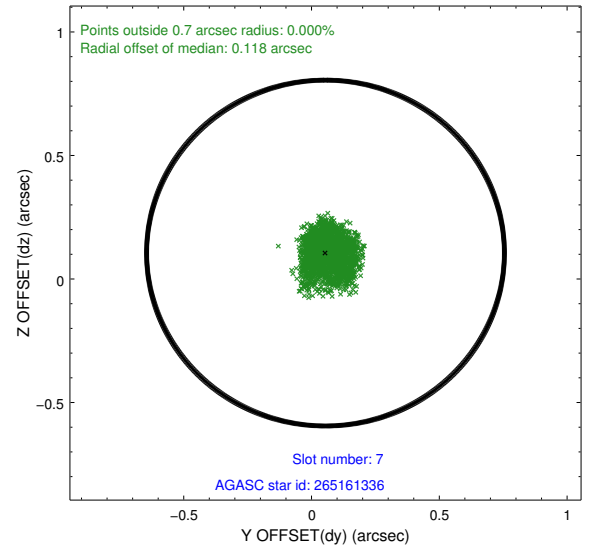
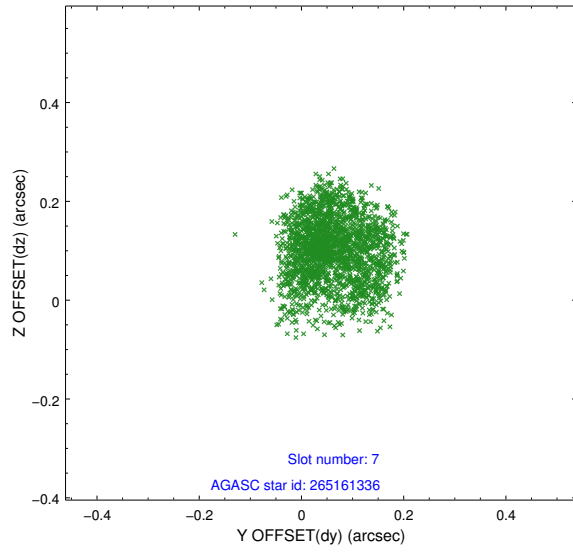


## 2.4.4 Slot 6



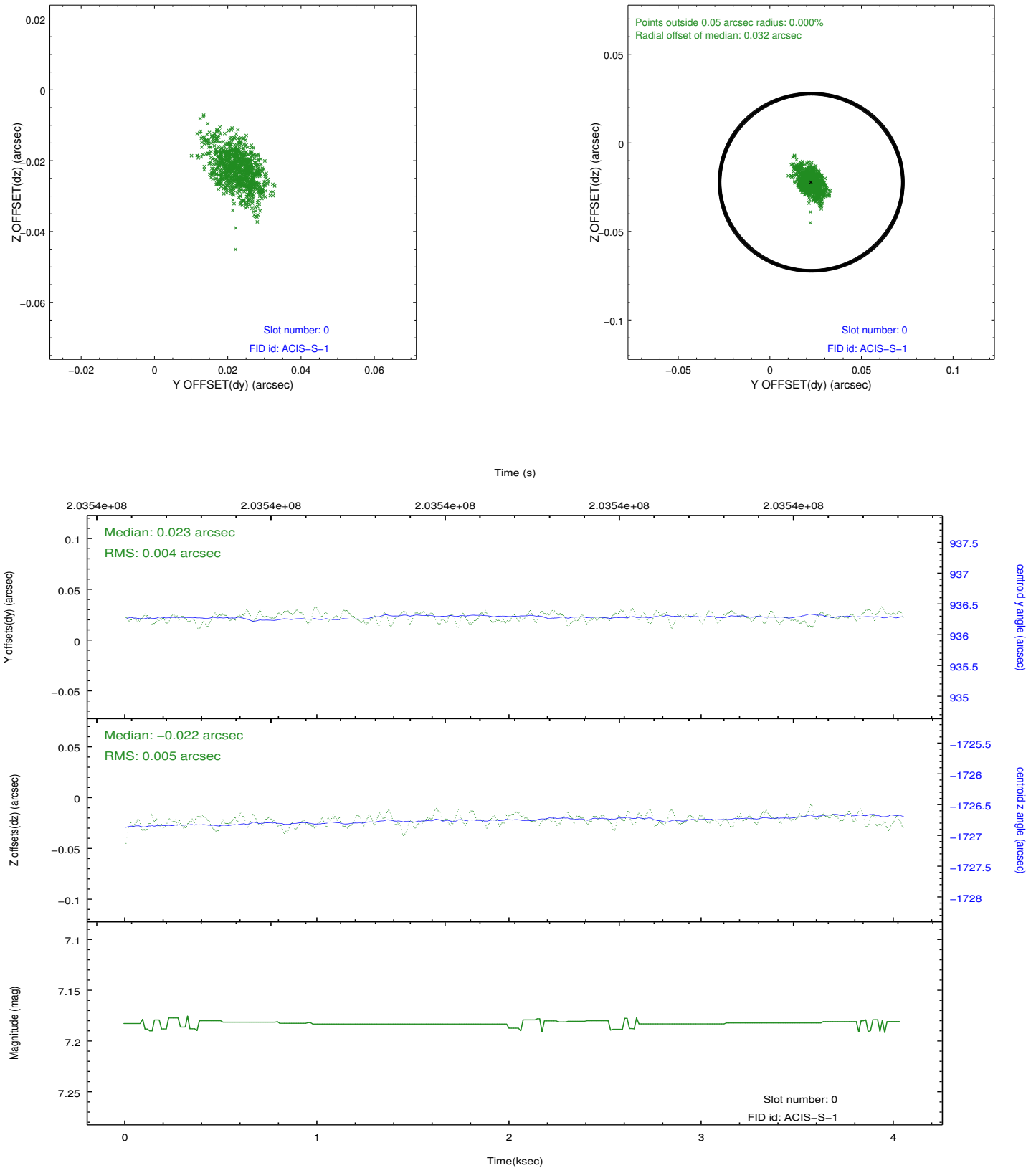


## 2.4.5 Slot 7

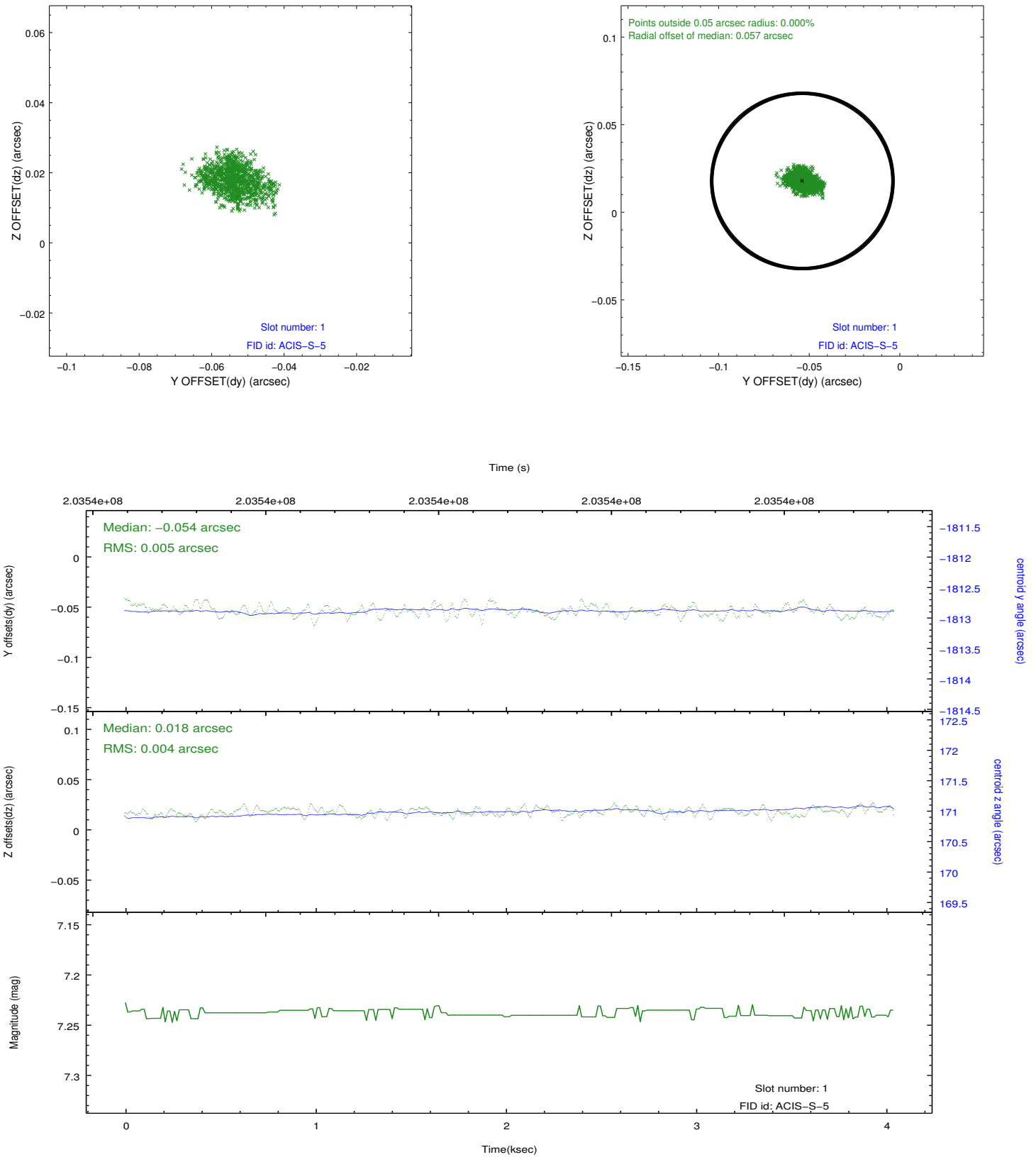


## 2.5 FID Slots

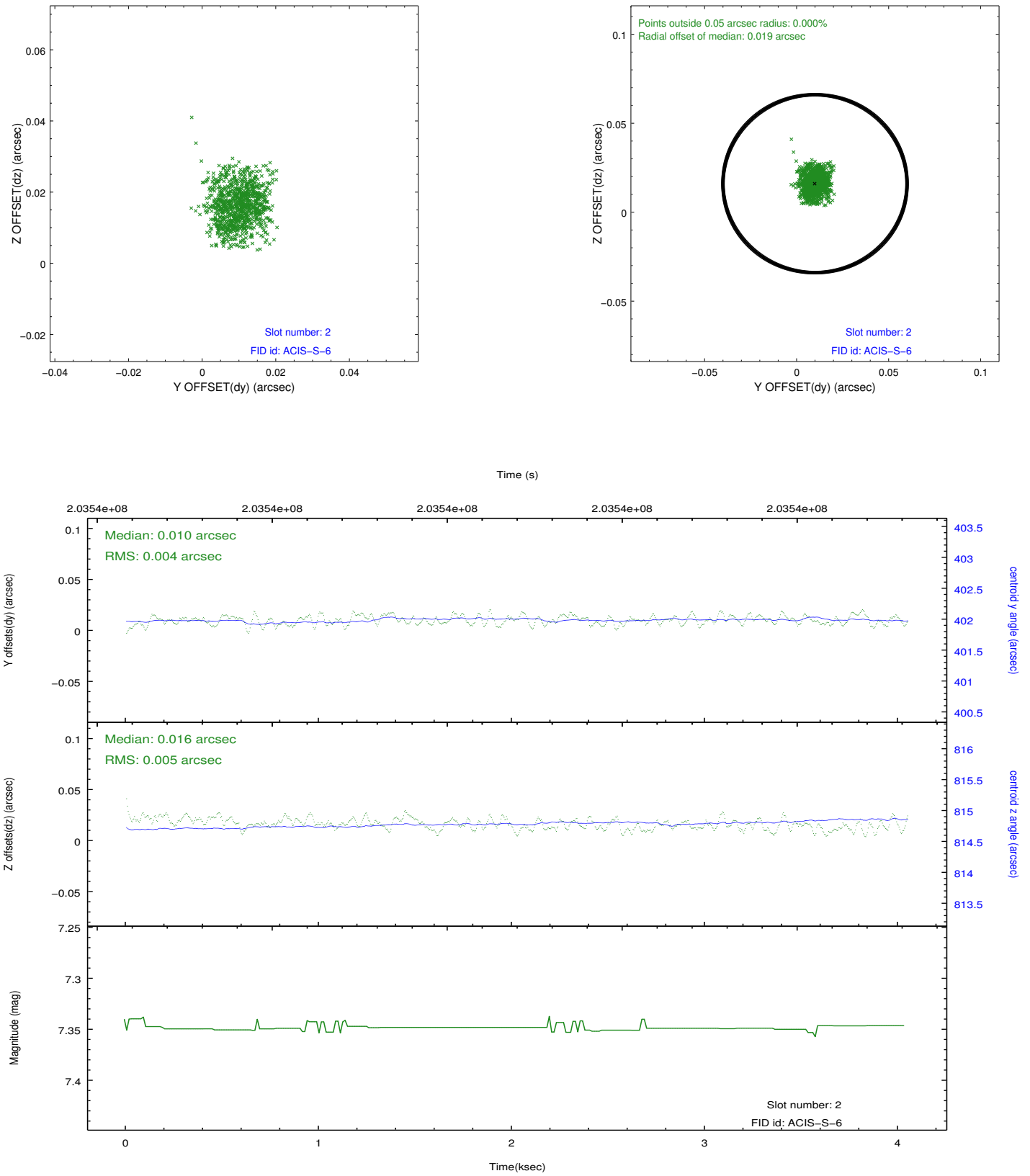
### 2.5.1 Slot 0



## 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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.041

### A.2 Comments