

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2401 - L2 Version 3  
Chandra X-Ray Center

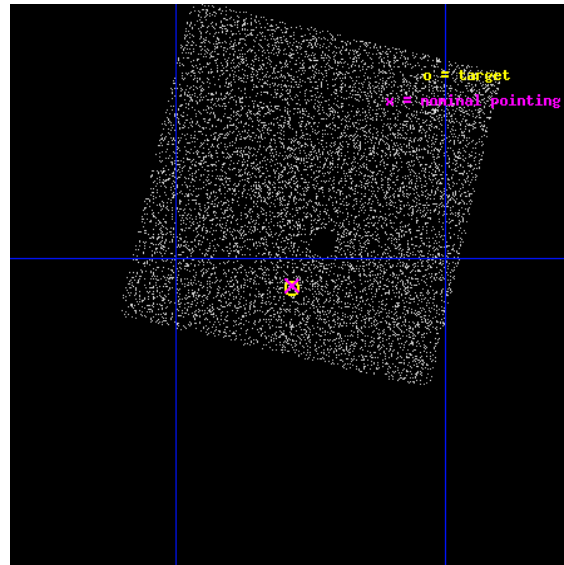
L2 Processing Date : Sep 4 2012

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# 1 Front

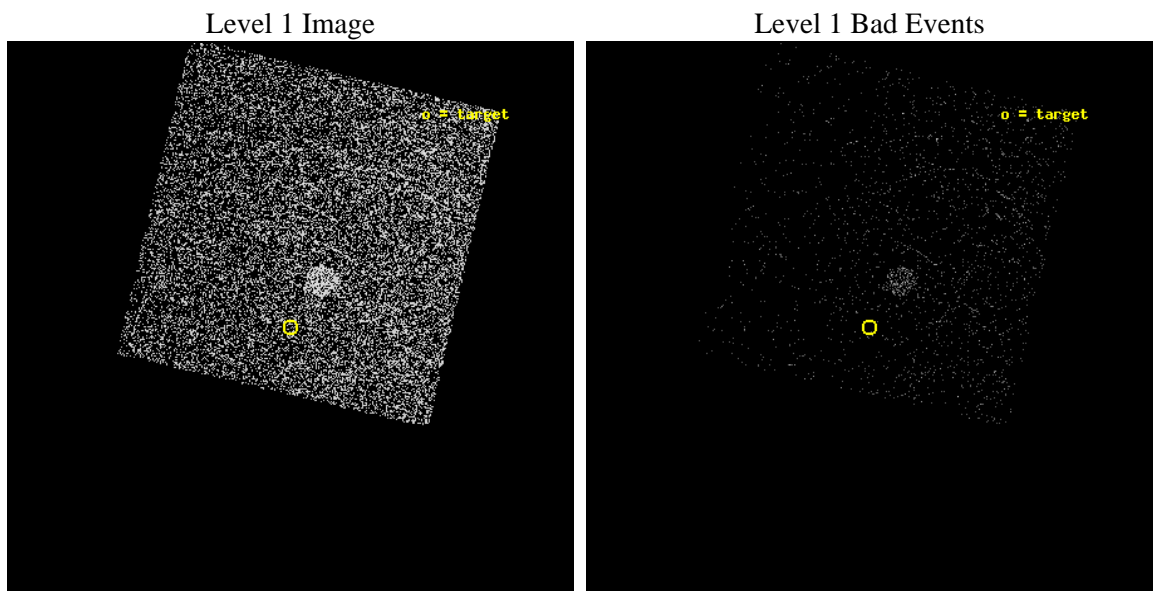
seq_num	190003	Sequence number
obs_id	2401	Observation id
title	ACIS OBSERVATIONS OF JUPITER	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	JUPITER	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	61.69602	Observer's specified target RA [deg]
dec_targ	19.987363	Observer's specified target Dec [deg]
ra_nom	61.696368102833	Nominal RA [deg]
dec_nom	19.988183401242	Nominal Dec [deg]
roll_nom	283.14079982773	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3343.8633892089	Sum of GTIs [s]
livetime	3298.7366715422	Livetime [s]
ontime7	3343.8633892089	Sum of GTIs [s]
l2events	10259	Number of level 2 events



## 2 OBI

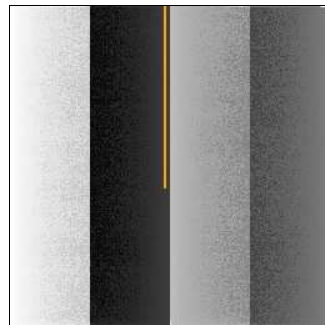
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3343.8633892089	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	3343.8633892089	Sum of GTIs [s]
date	2012-09-05T01:19:18	Date and time of file creation	l1events	26335	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	26335
rejected events	15897
rejected %	60%

	<b>ccd 7</b>
grade 0 events	783
	2%
grade 1 events	26
	0%
grade 2 events	2230
	8%
grade 3 events	882
	3%
grade 4 events	850
	3%
grade 5 events	2364
	8%
grade 6 events	5705
	21%
grade 7 events	13495
	51%

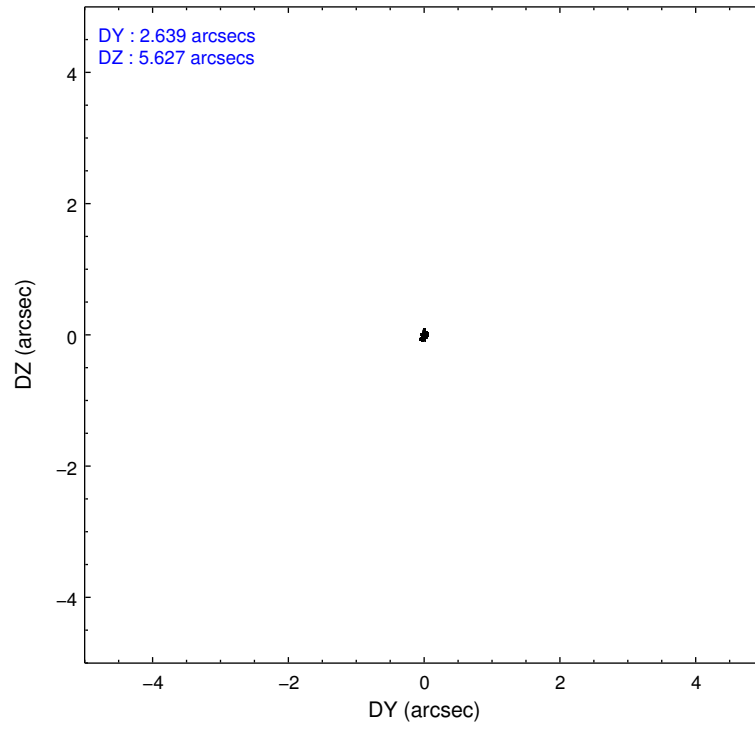
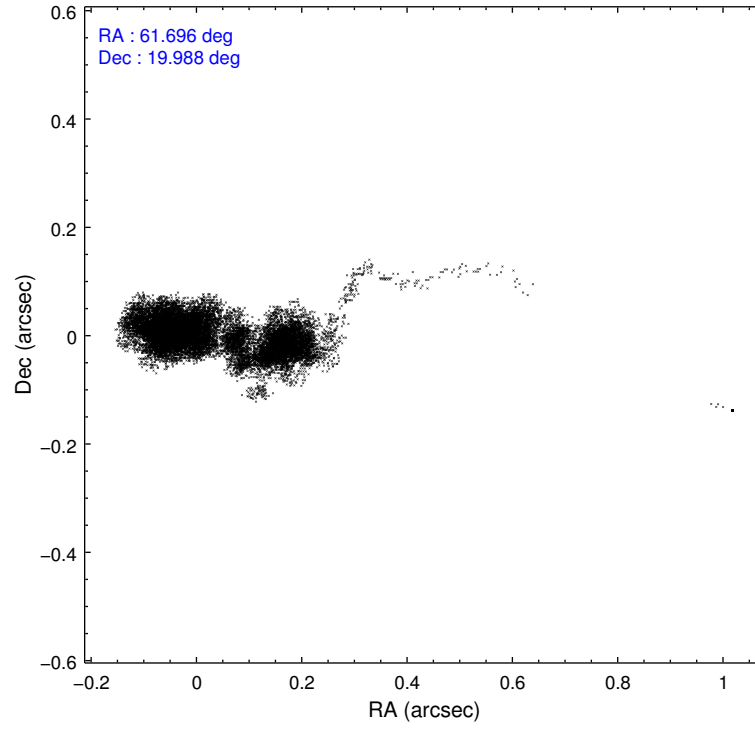


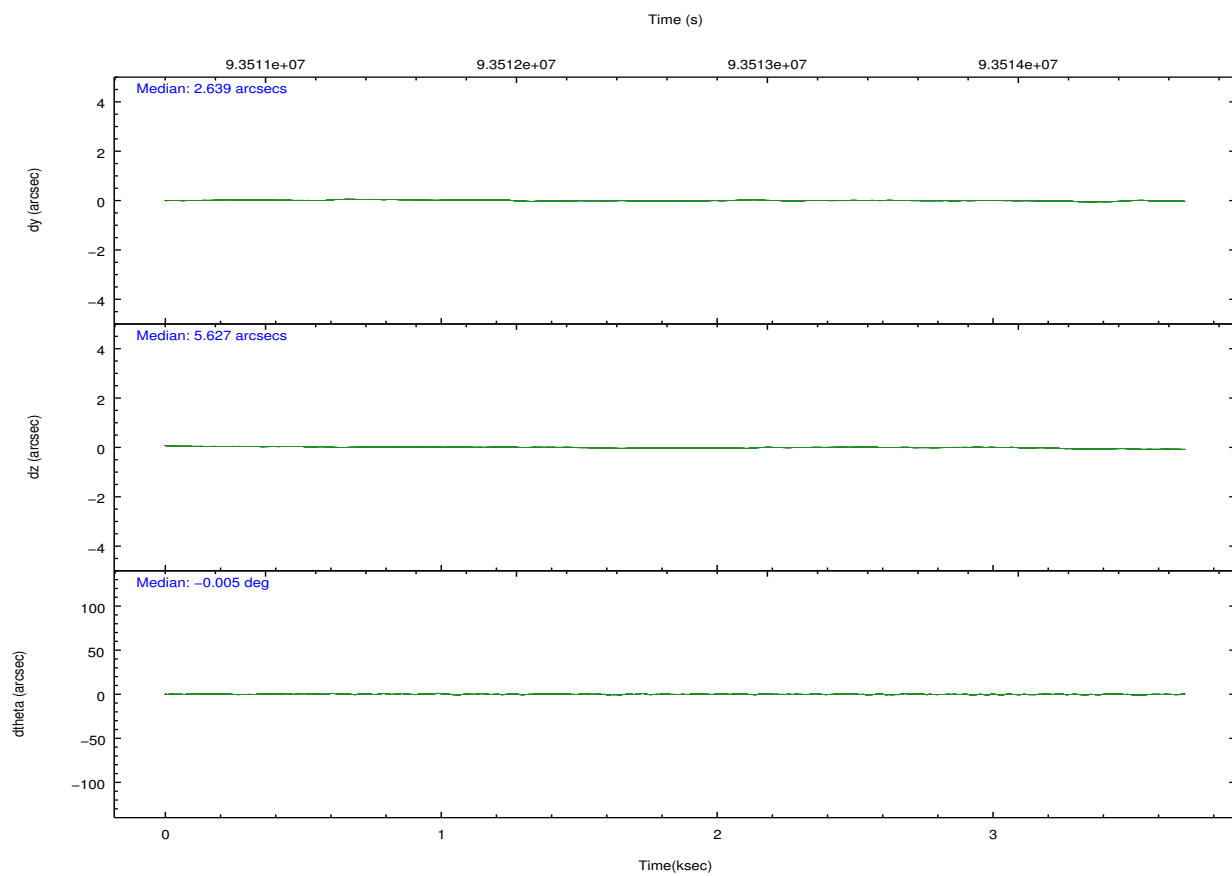
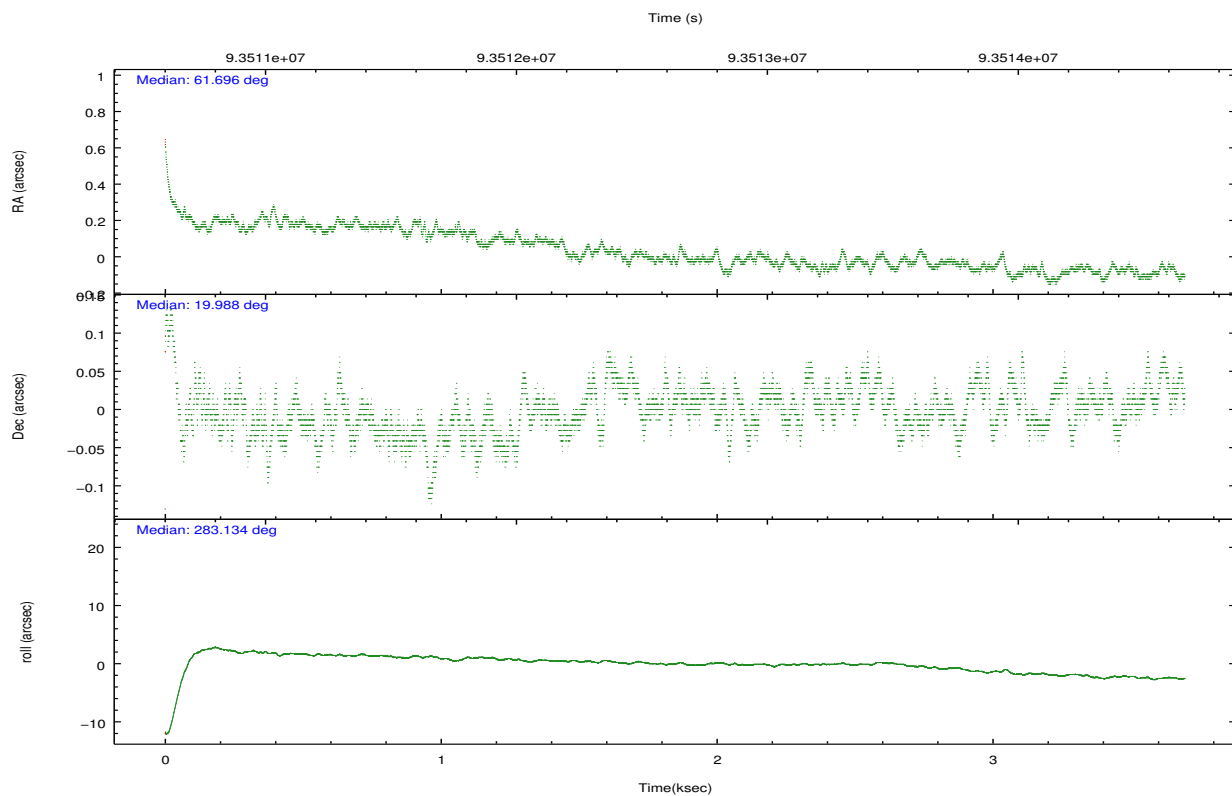
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	61.676271	61.69636810283259
[deg] Pointing Dec	20.007964	19.98818340124178
[deg] Pointing Roll	282.991034	283.1407998277341
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	93510980.184000	93510604.09346101
Observation start date	2000-12-18T07:15:16	2000-12-18T07:10:04
[s] Observation end time (MET)	93514480.184000	93514614.406115
Observation end date	2000-12-18T08:13:36	2000-12-18T08:16:54
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

## 2.3 Aspect



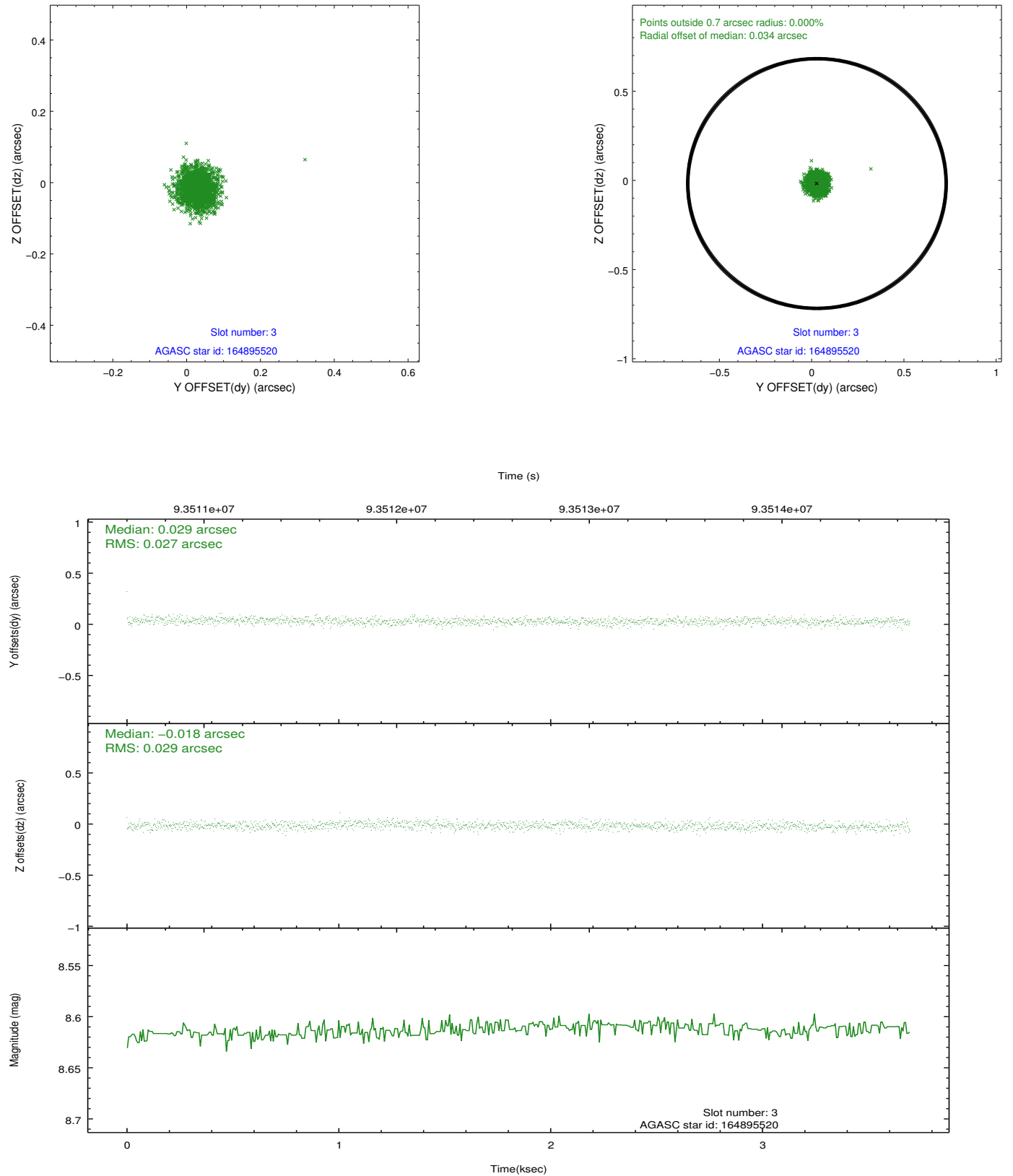


### Slot Statistics

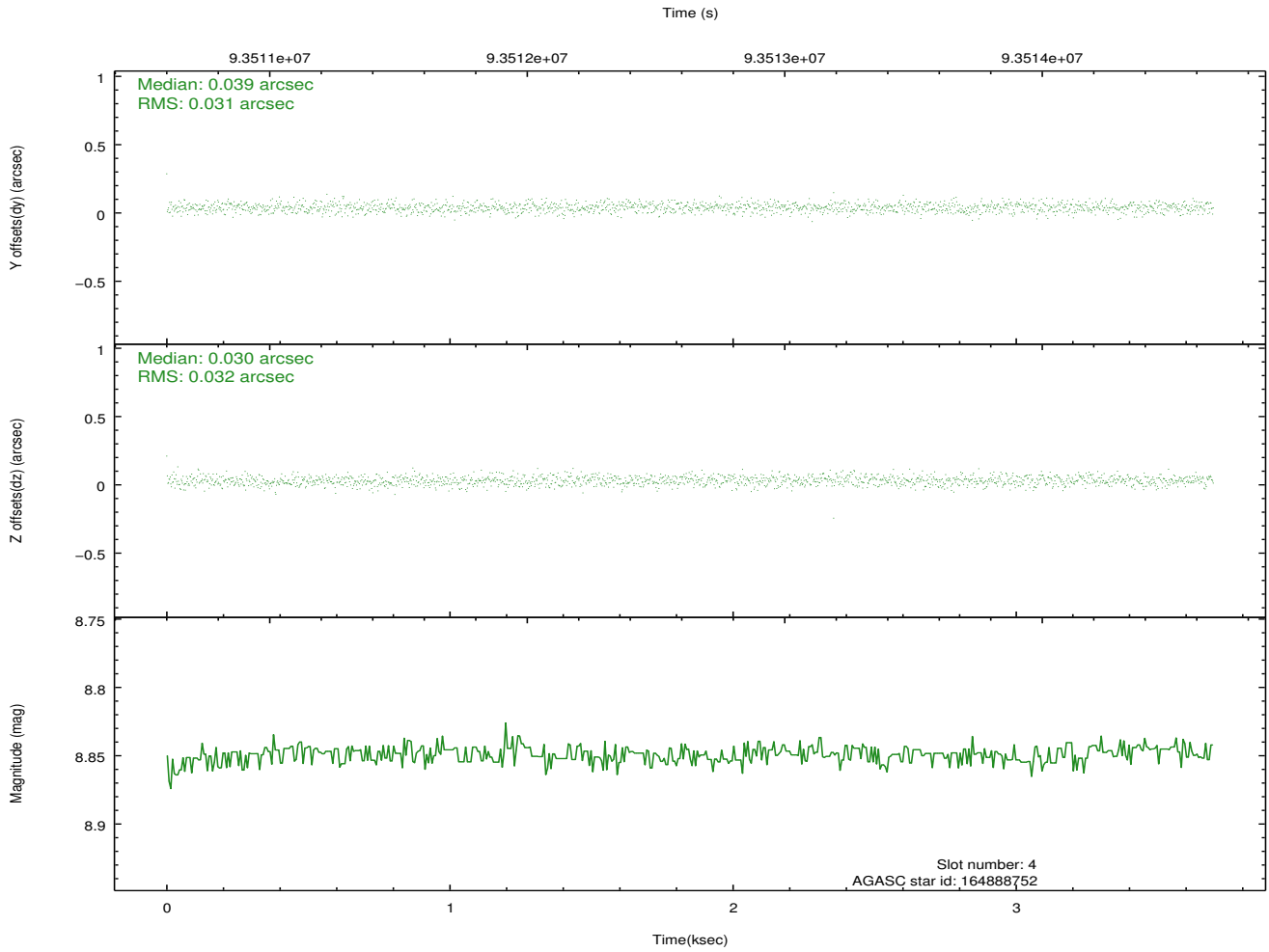
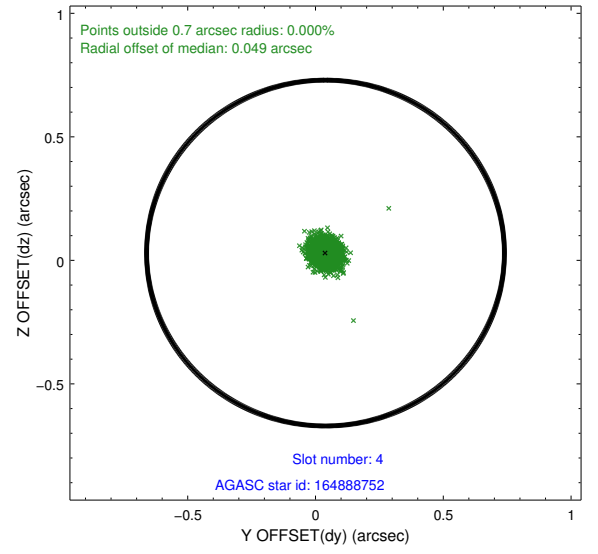
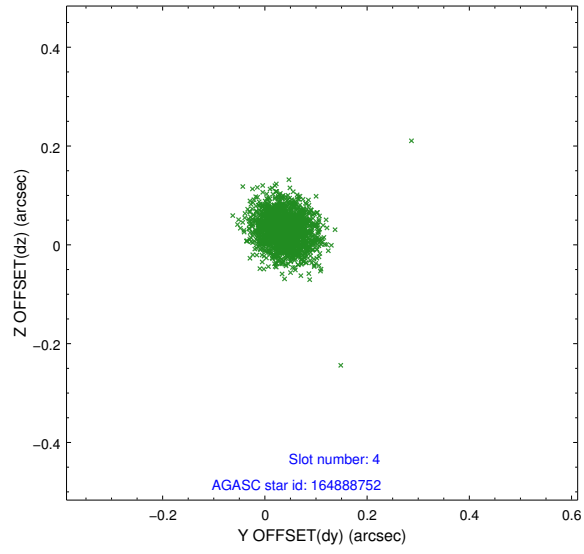
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	902	-0.030	0.013	0.009	0.017	0.000000	0.000000	-755.27	-1726.75
1	FID	ACIS-S-4	7.21	902	-0.020	0.011	0.011	0.025	0.000000	0.000000	2157.22	180.03
2	FID	ACIS-S-5	7.24	902	0.019	-0.015	0.009	0.016	0.000000	0.000000	-1805.91	175.54
3	GUIDE	164895520	8.61	1803	0.029	-0.018	0.042	0.069	61.309800	20.139312	-740.60	-1100.89
4	GUIDE	164888752	8.85	1803	0.039	0.030	0.047	0.075	61.568386	19.874602	385.04	-464.80
5	GUIDE	164890352	9.12	1804	-0.035	-0.035	0.054	0.090	61.028629	19.972872	-373.47	-2163.43
6	GUIDE	165022968	9.61	1800	-0.042	0.095	0.067	0.112	62.230781	20.386000	-909.21	2128.31
7	GUIDE	165021720	9.55	1801	0.011	-0.074	0.071	0.117	62.234537	20.170723	-150.90	1971.27

## 2.4 Star Slots

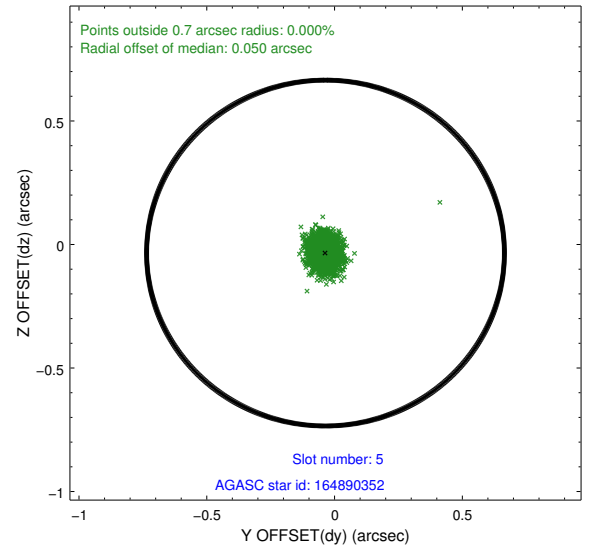
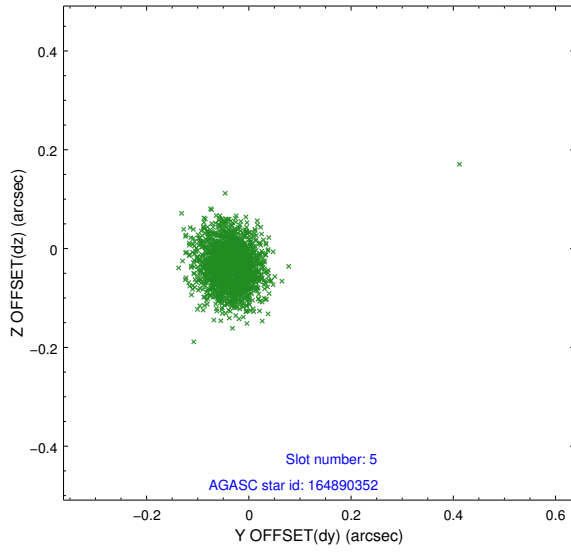
### 2.4.1 Slot 3



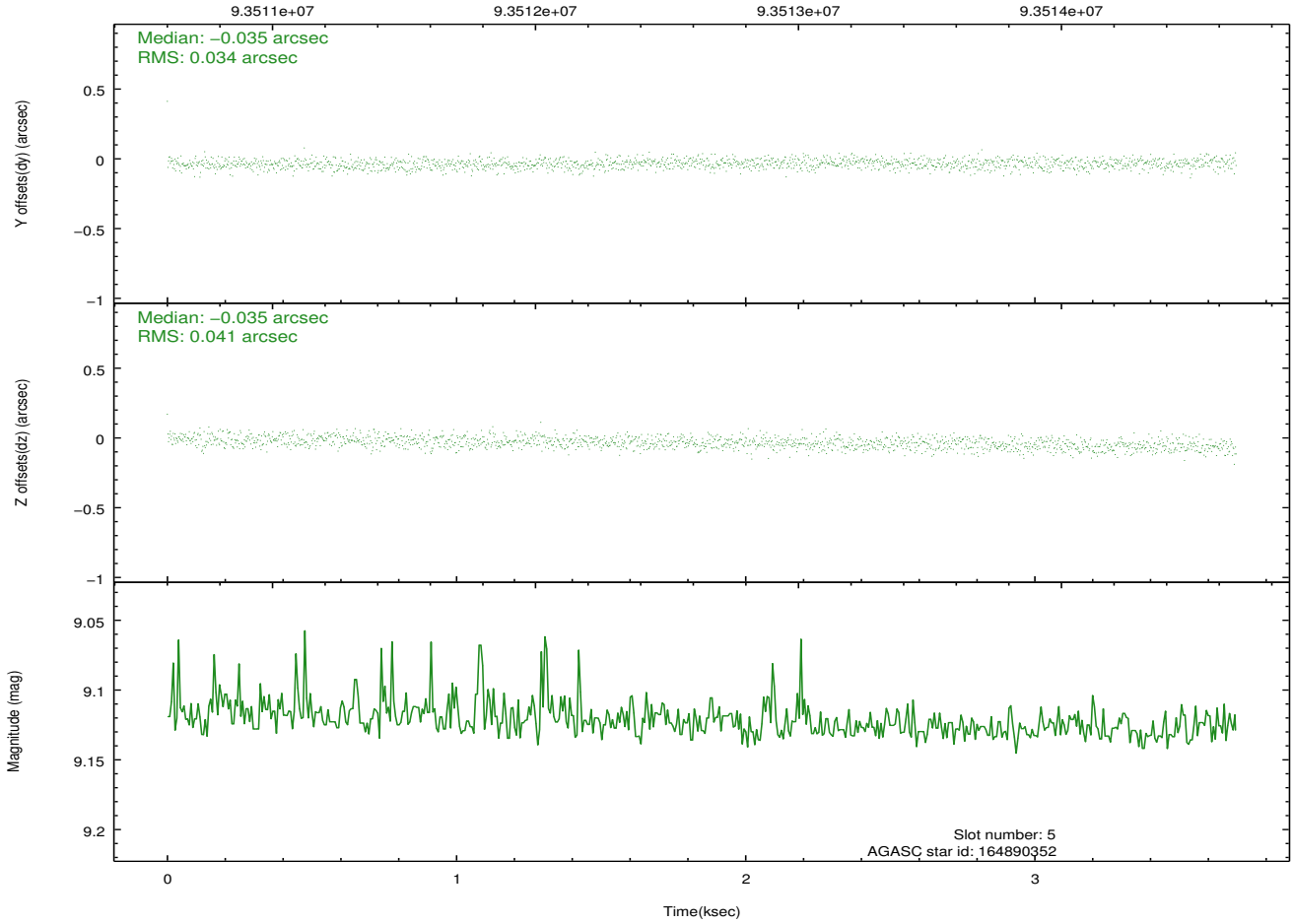
## 2.4.2 Slot 4



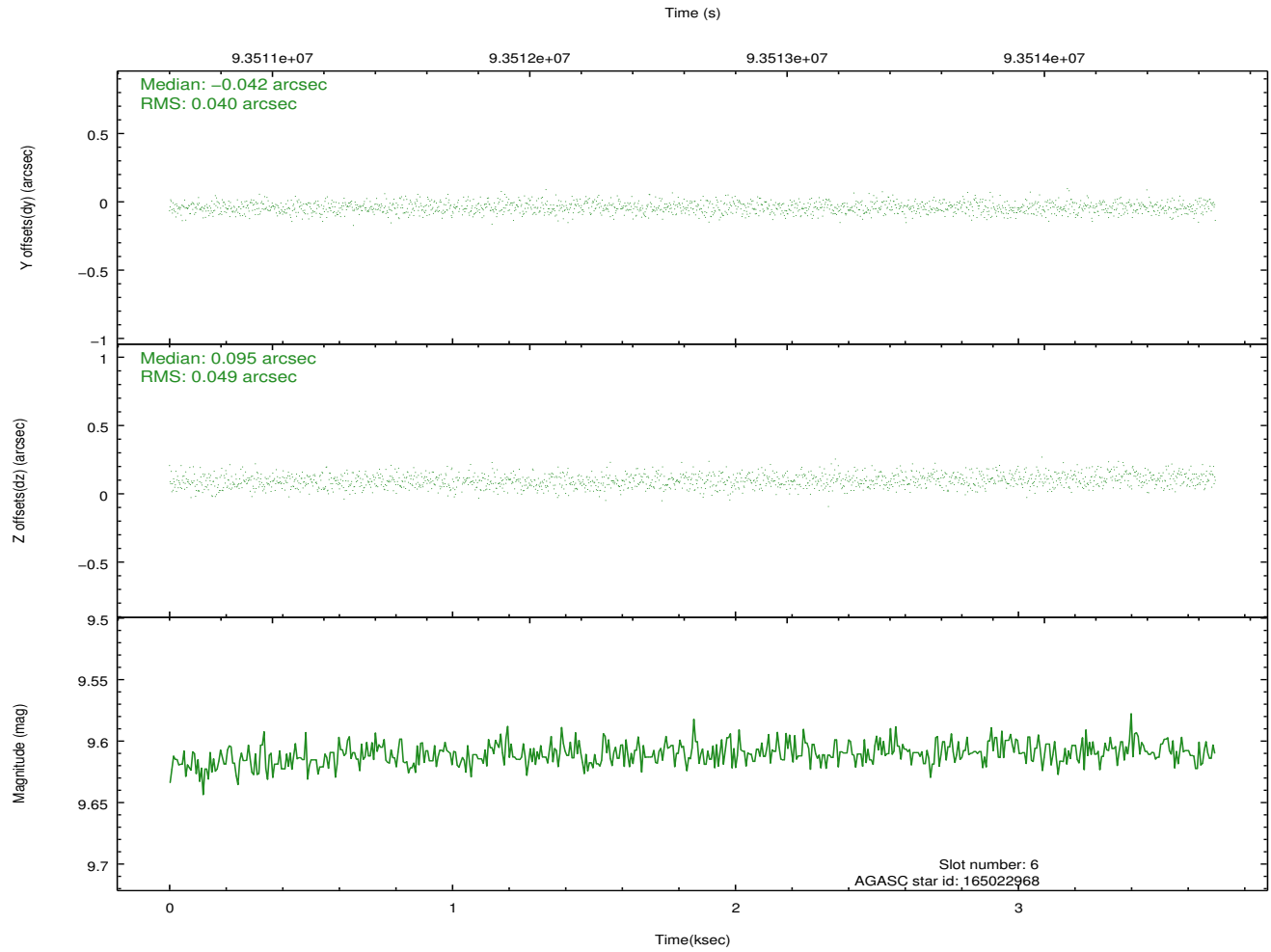
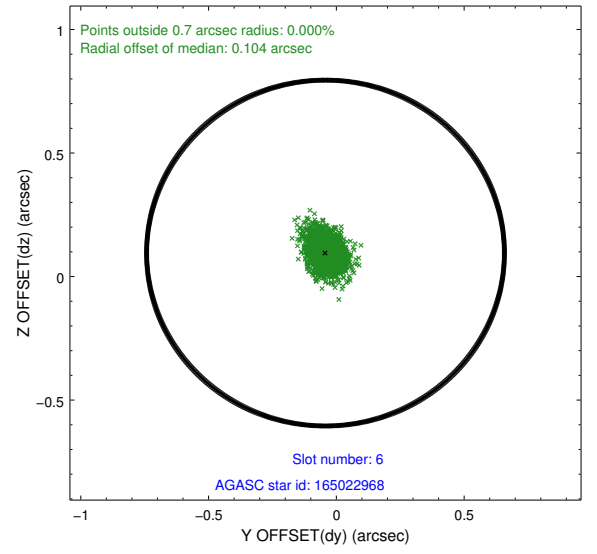
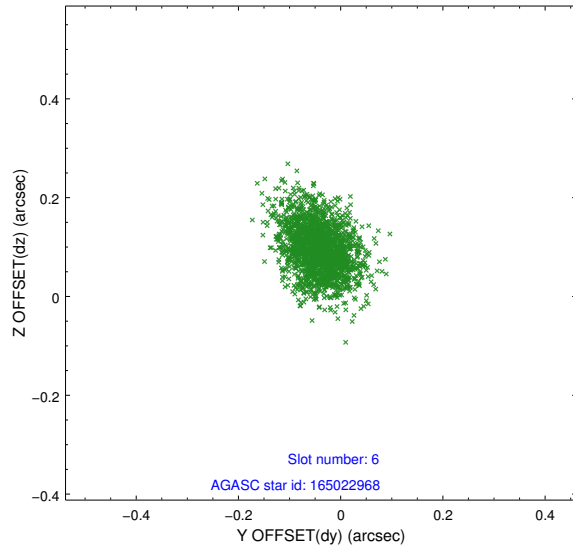
### 2.4.3 Slot 5



Time (s)

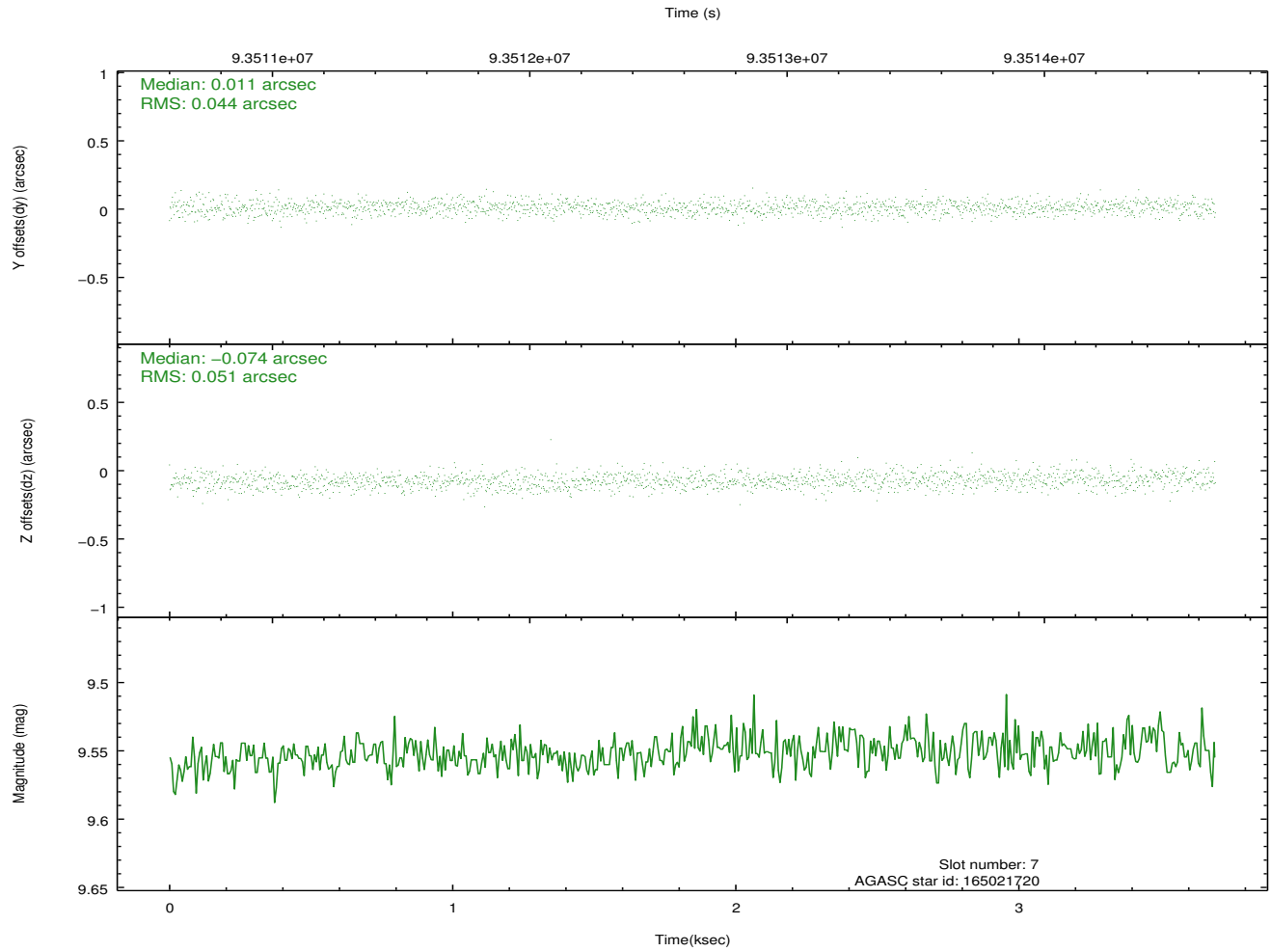
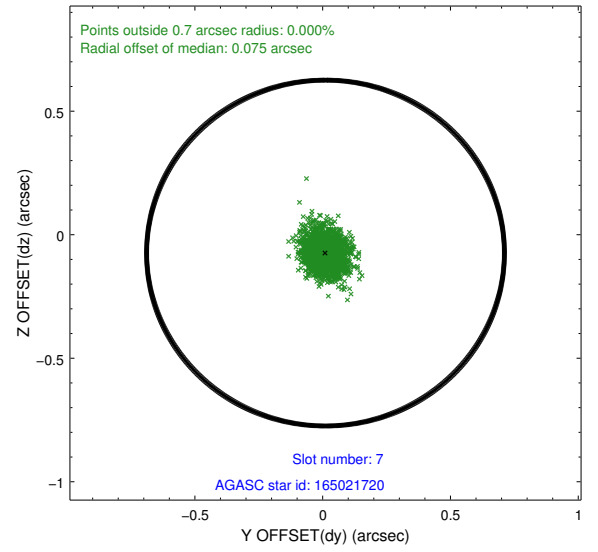
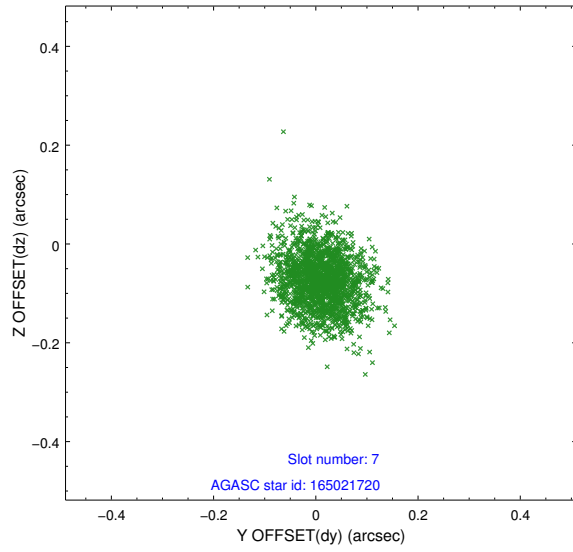


## 2.4.4 Slot 6



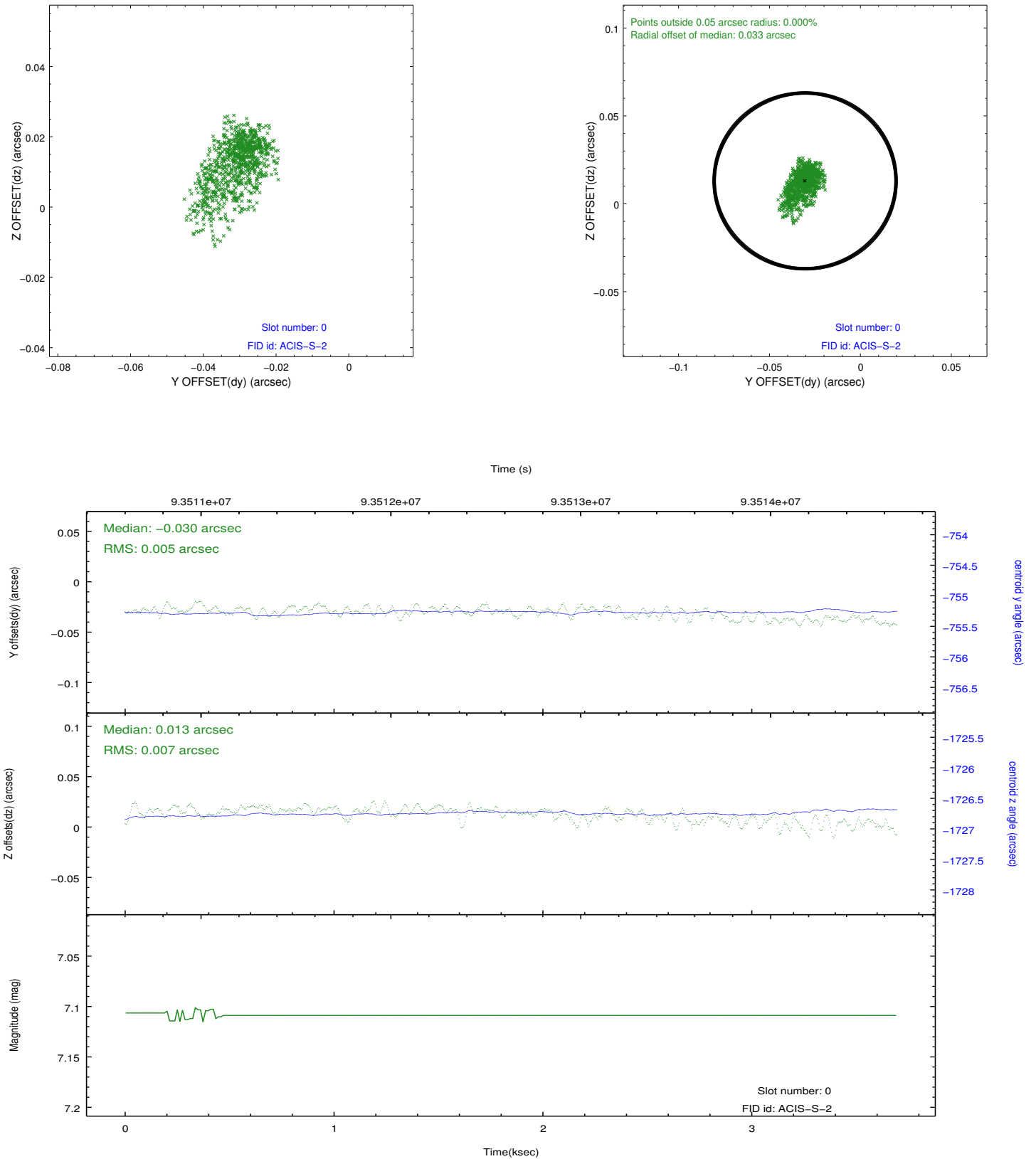


## 2.4.5 Slot 7

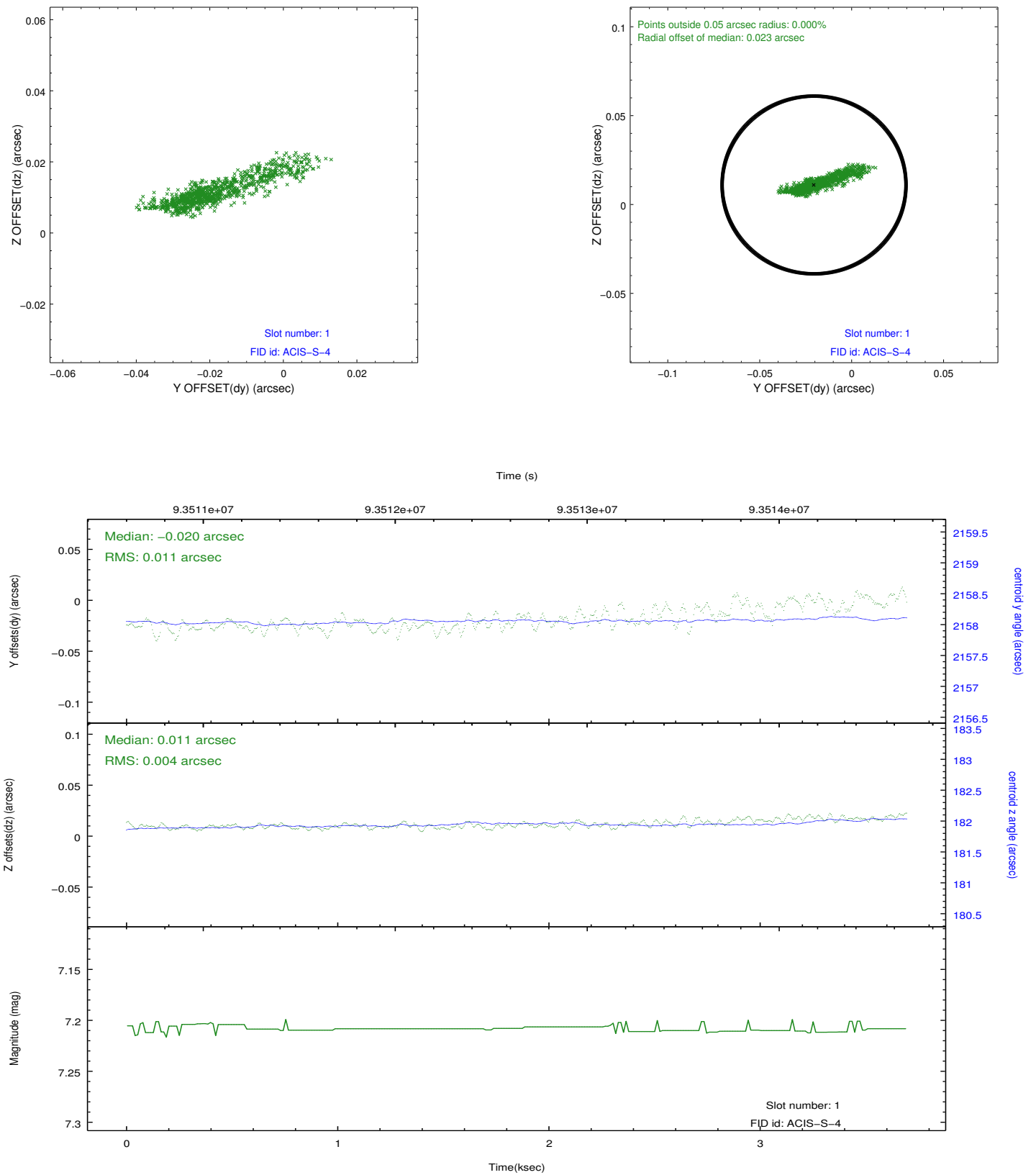


## 2.5 FID Slots

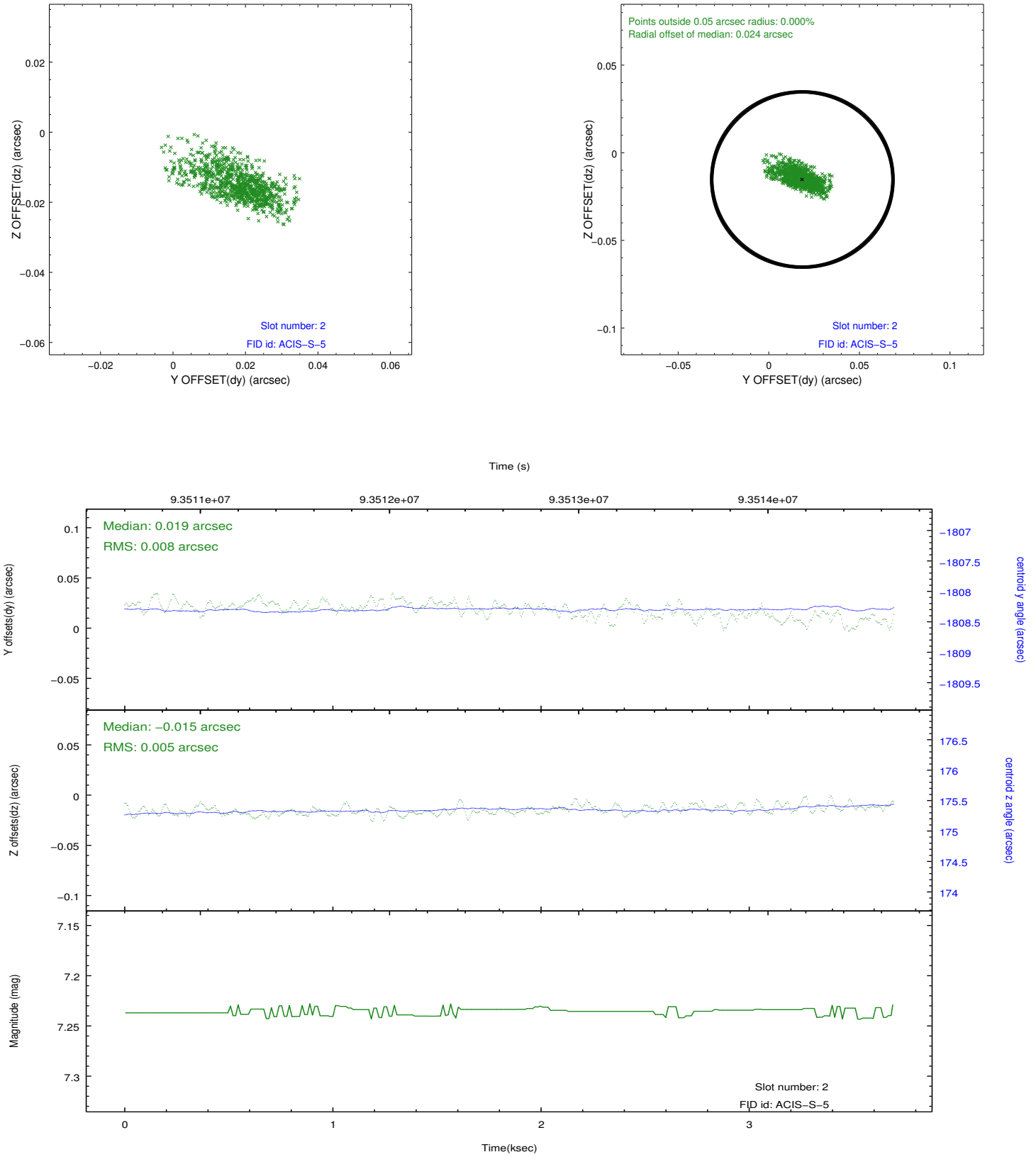
### 2.5.1 Slot 0



## 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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.345

### A.2 Comments