

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1617 - L2 Version 3  
Chandra X-Ray Center

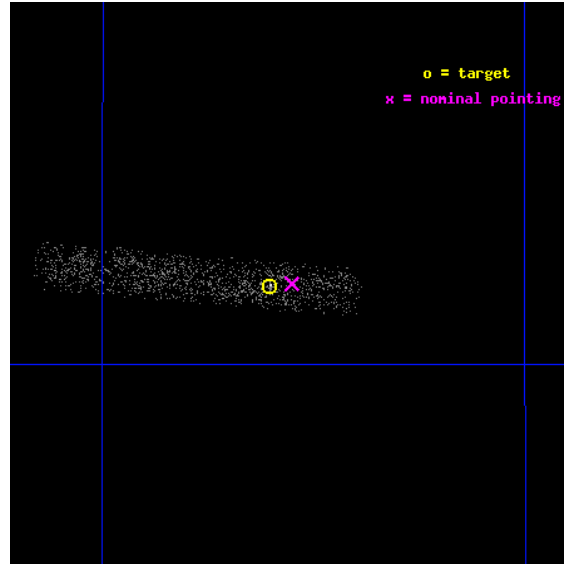
L2 Processing Date : Sep 14 2012

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# 1 Front

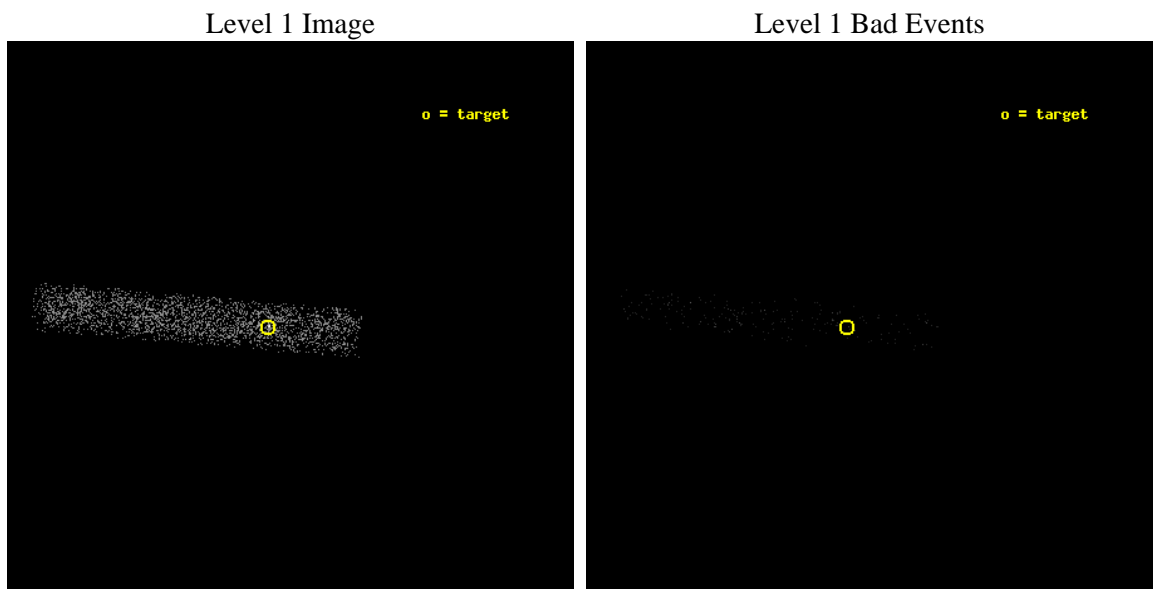
seq_num	700233	Sequence number
obs_id	1617	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES	&#160
observer	Professor Andrew Wilson	Principal investigator
object	NGC4143	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.40125	Observer's specified target RA [deg]
dec_targ	42.533806	Observer's specified target Dec [deg]
ra_nom	182.38785389604	Nominal RA [deg]
dec_nom	42.534679998375	Nominal Dec [deg]
roll_nom	184.9390299572	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2772.400041312	Sum of GTIs [s]
livetime	2514.420498197	Livetime [s]
ontime7	2772.400041312	Sum of GTIs [s]
l2events	1689	Number of level 2 events



## 2 OBI

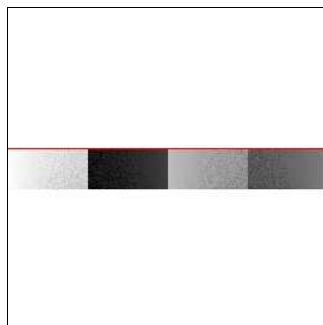
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2772.400041312	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	2772.400041312	Sum of GTIs [s]
date	2012-09-14T19:17:31	Date and time of file creation	l1events	3401	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

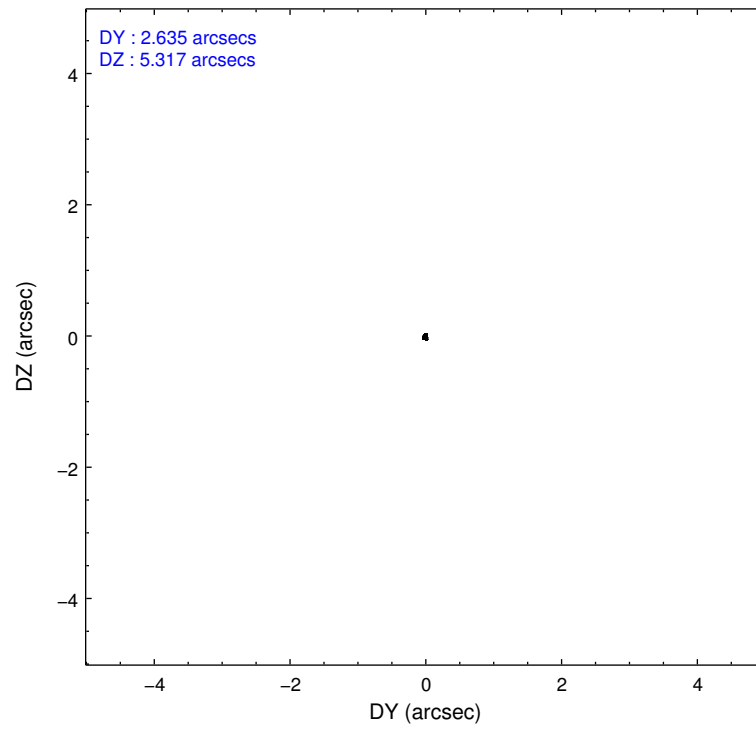
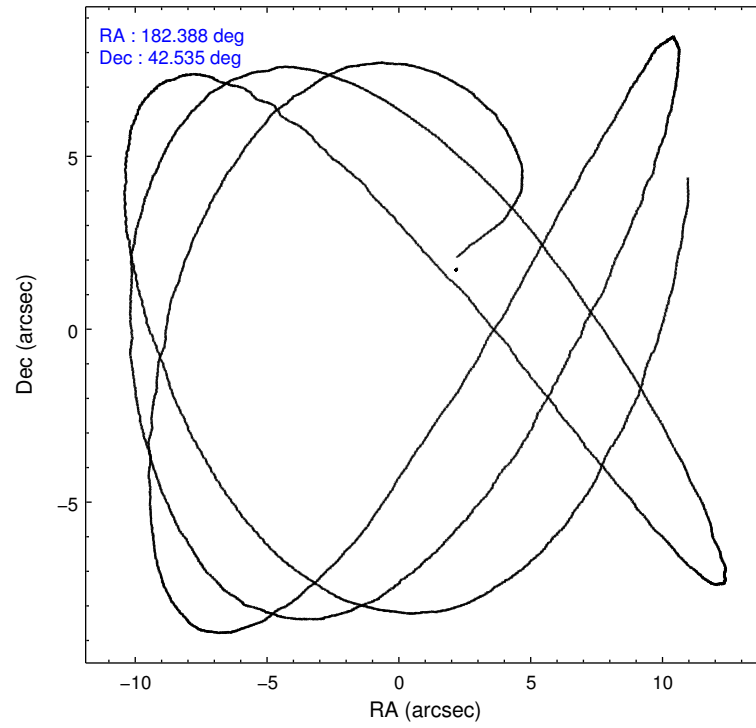
	<b>ccd 7</b>
level 1 events	3401
rejected events	1654
rejected %	48%

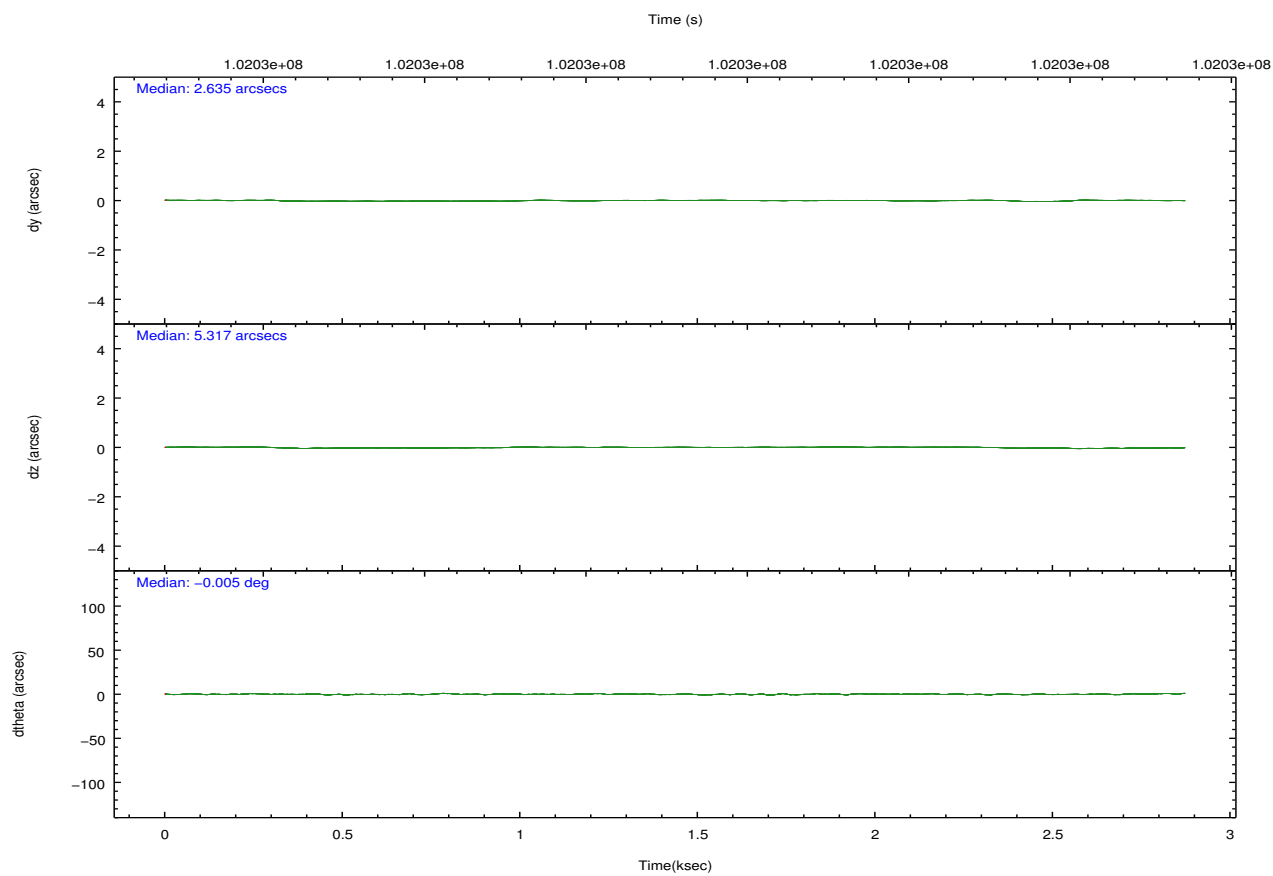
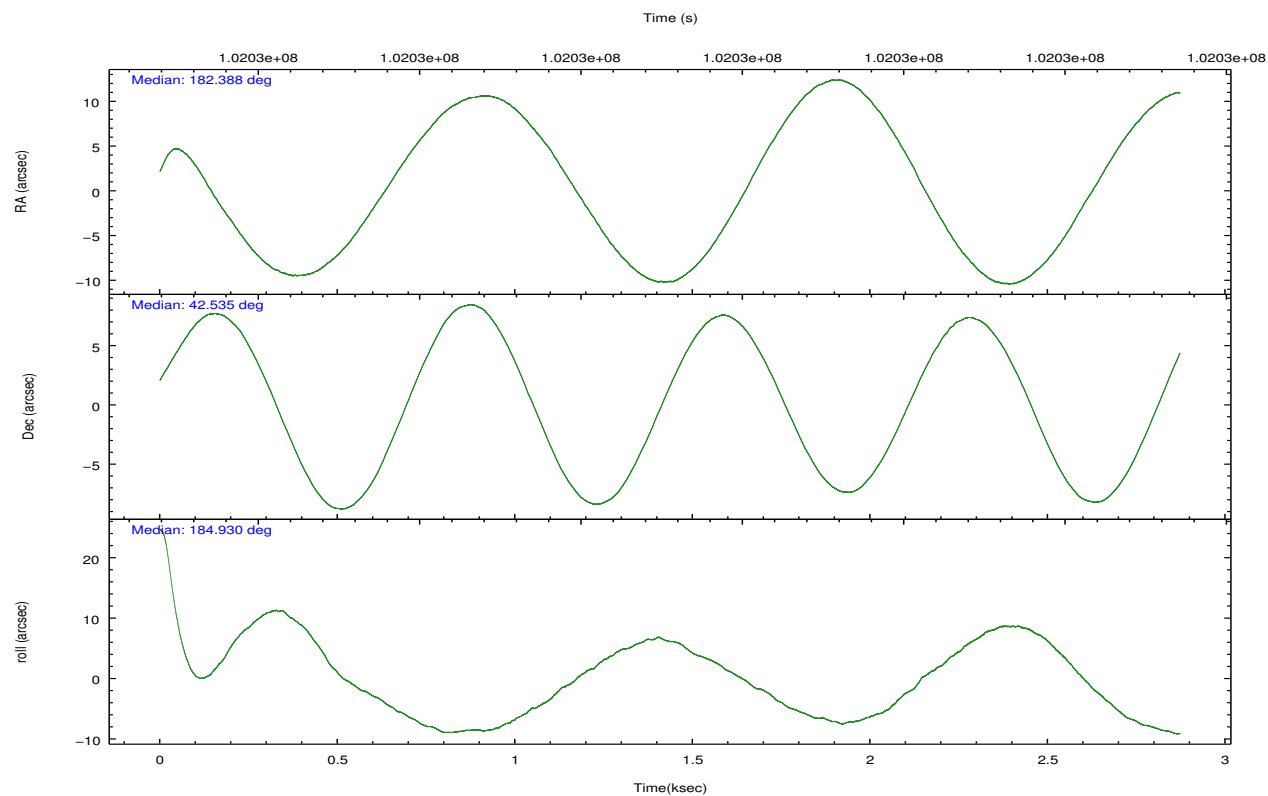
	<b>ccd 7</b>
grade 0 events	239
	7%
grade 1 events	1
	0%
grade 2 events	346
	10%
grade 3 events	236
	6%
grade 4 events	214
	6%
grade 5 events	306
	8%
grade 6 events	712
	20%
grade 7 events	1347
	39%

## 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	182.418190	182.3878538960427	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	42.550567	42.53467999837473	Subarray start row	447	447
[deg] Pointing Roll	184.761767	184.9390299572026	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)	102029713.184000	102028417.97139			
Observation start date	2001-03-26T21:34:09	2001-03-26T21:13:37			
[s] Observation end time (MET)	102031713.184000	102032671.72156			
Observation end date	2001-03-26T22:07:29	2001-03-26T22:24:31			
Read mode	TIMED	TIMED			

## 2.3 Aspect





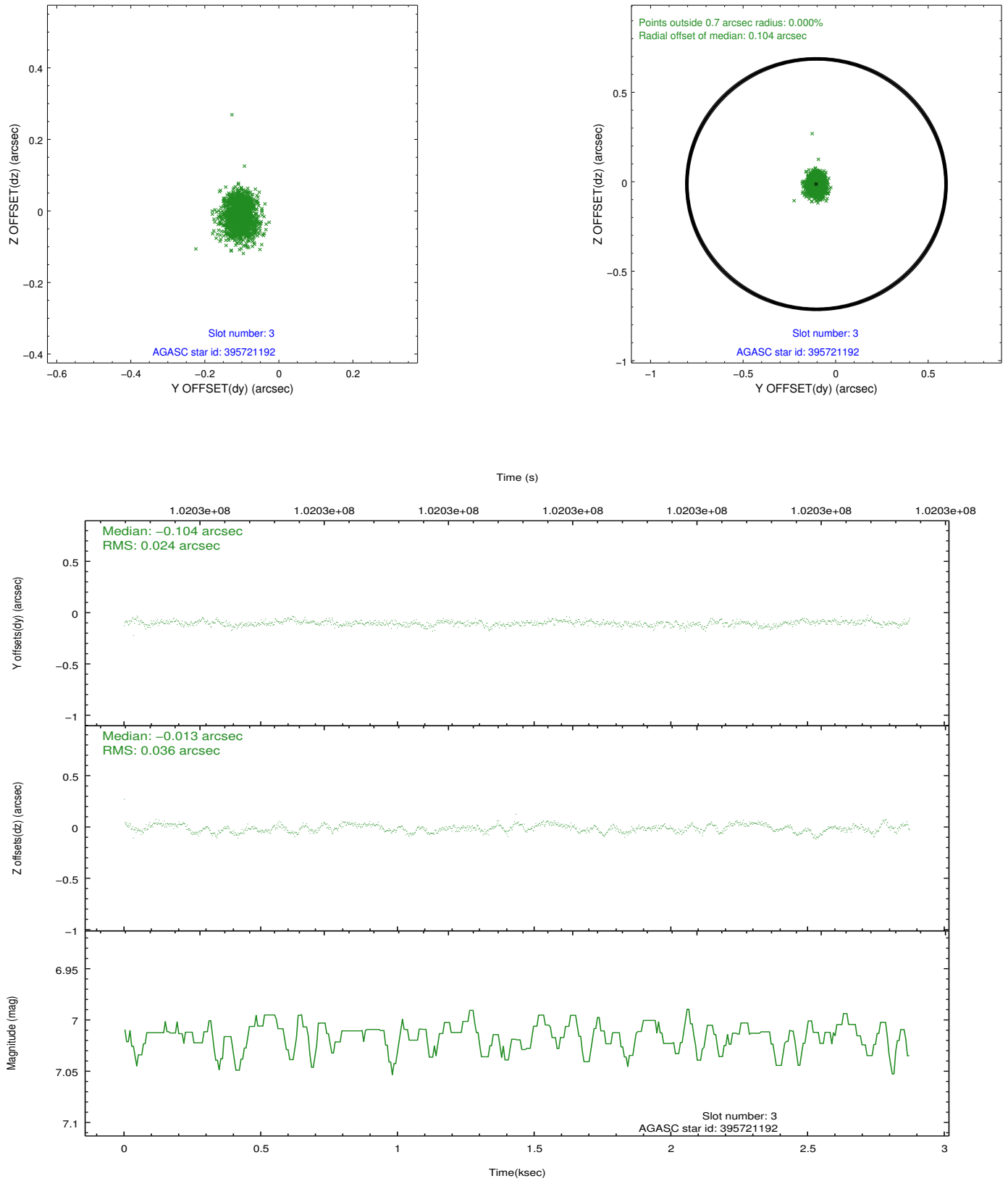
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	701	-0.037	-0.007	0.007	0.010	0.000000	0.000000	-755.25	-1726.40
1	FID	ACIS-S-4	7.20	700	-0.013	0.020	0.005	0.010	0.000000	0.000000	2156.99	179.87
2	FID	ACIS-S-5	7.24	700	0.019	-0.004	0.006	0.011	0.000000	0.000000	-1805.21	175.97
3	GUIDE	395721192	7.01	1401	-0.104	-0.013	0.045	0.072	181.897455	42.070844	1529.29	1601.42
4	GUIDE	395711624	8.00	1402	-0.033	0.040	0.062	0.105	181.836316	43.097775	1361.55	-2094.16
5	GUIDE	395721240	8.53	1401	0.066	-0.114	0.059	0.095	182.317602	42.481711	287.65	223.00
6	GUIDE	395711560	8.68	1402	0.072	0.055	0.053	0.088	182.480013	42.309723	-92.01	877.69
7	GUIDE	395715480	9.49	1398	-0.008	0.034	0.088	0.146	182.773405	42.339665	-879.51	833.52

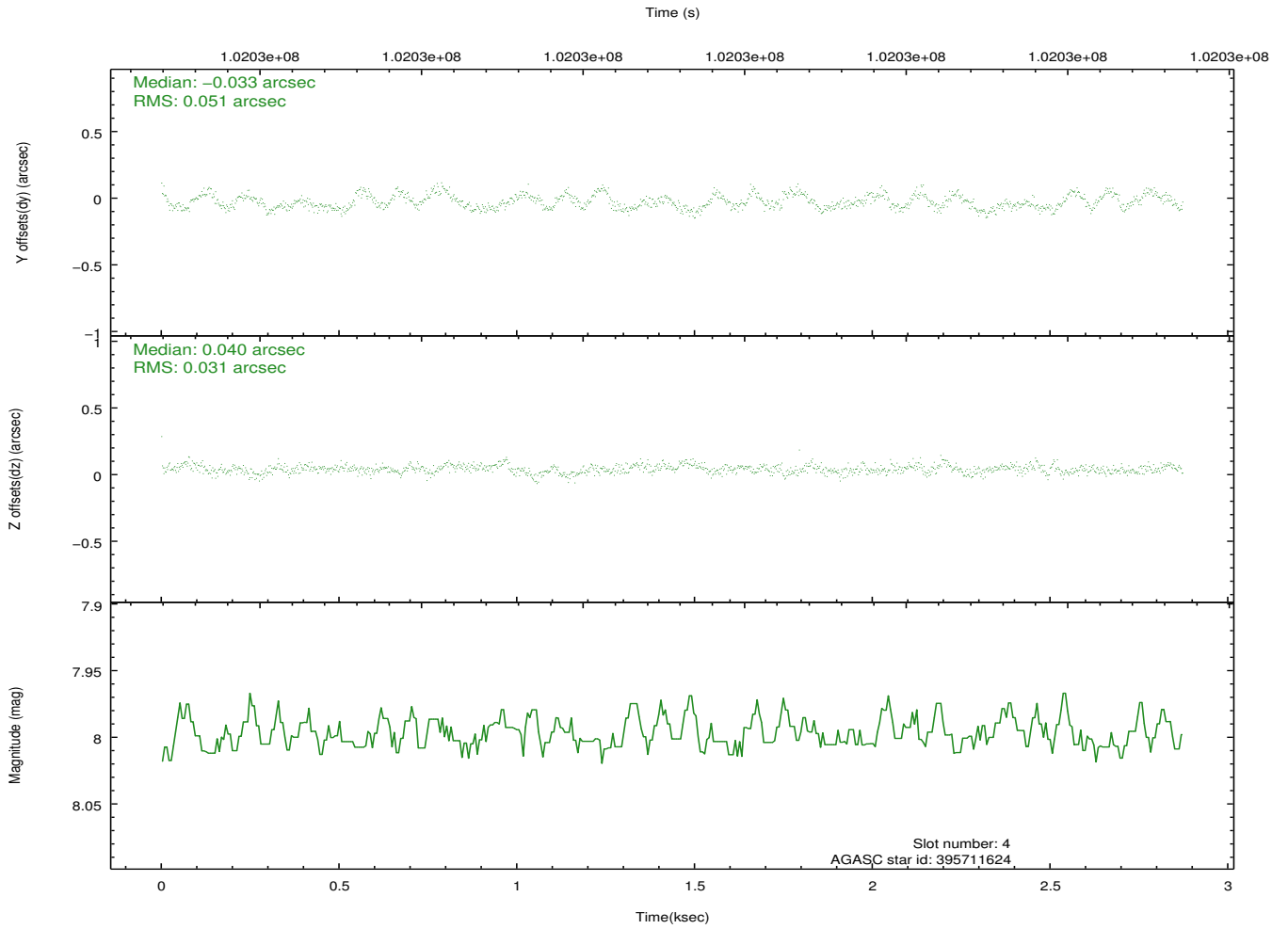
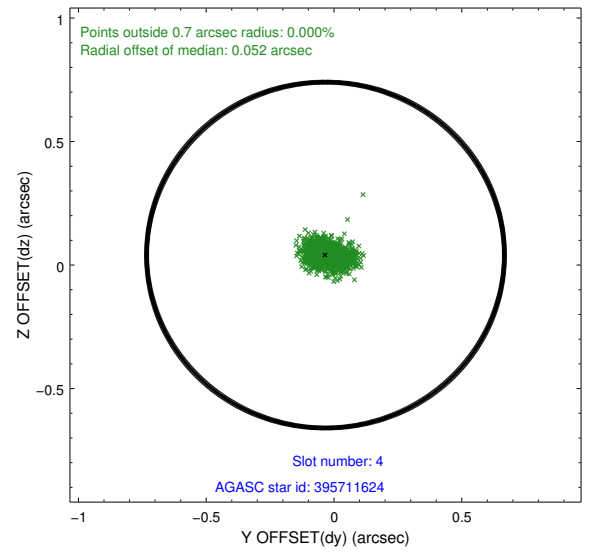
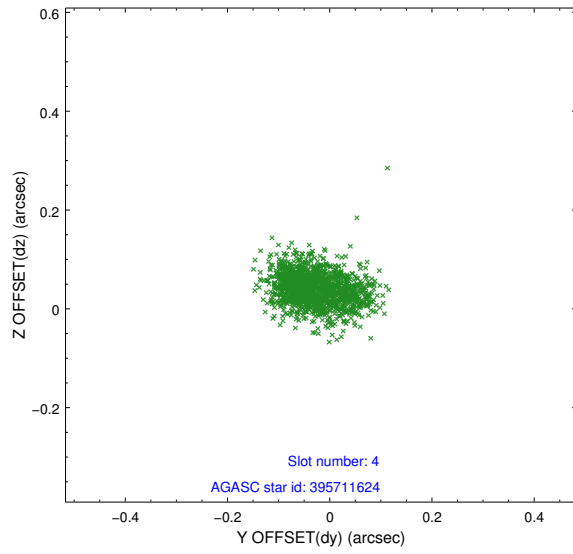


## 2.4 Star Slots

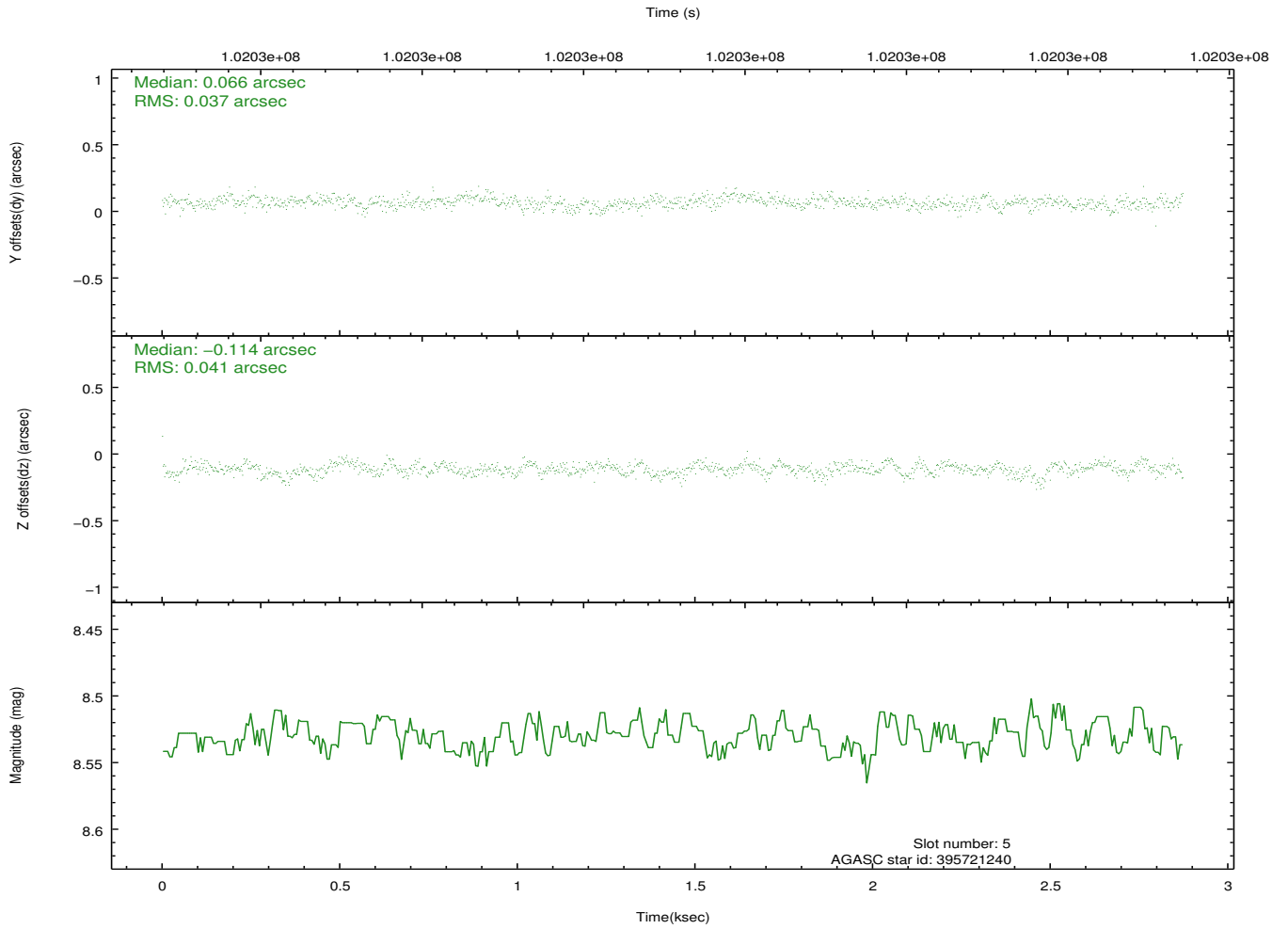
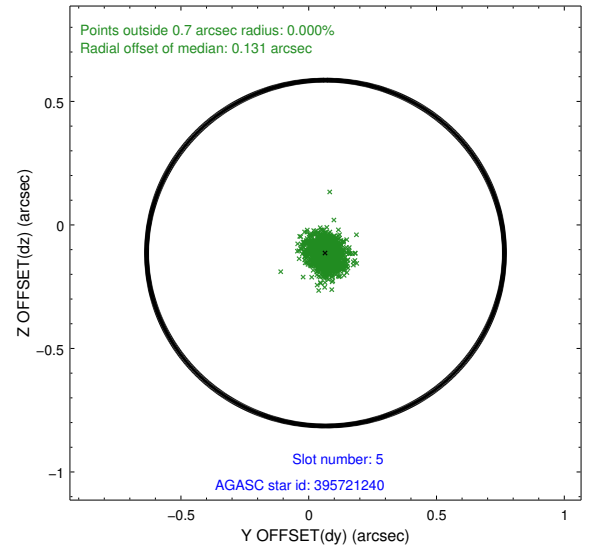
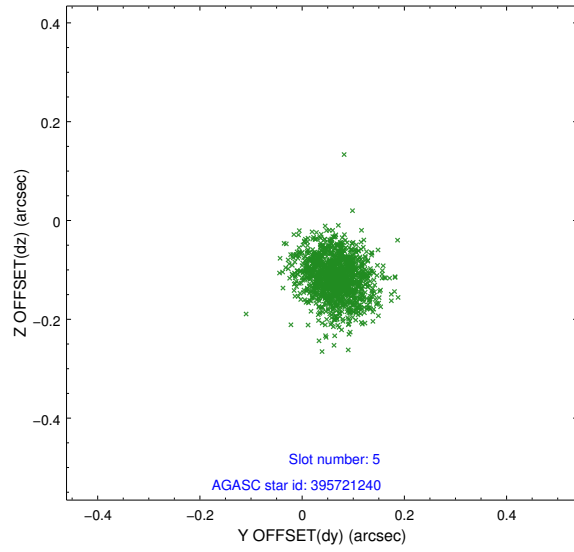
### 2.4.1 Slot 3



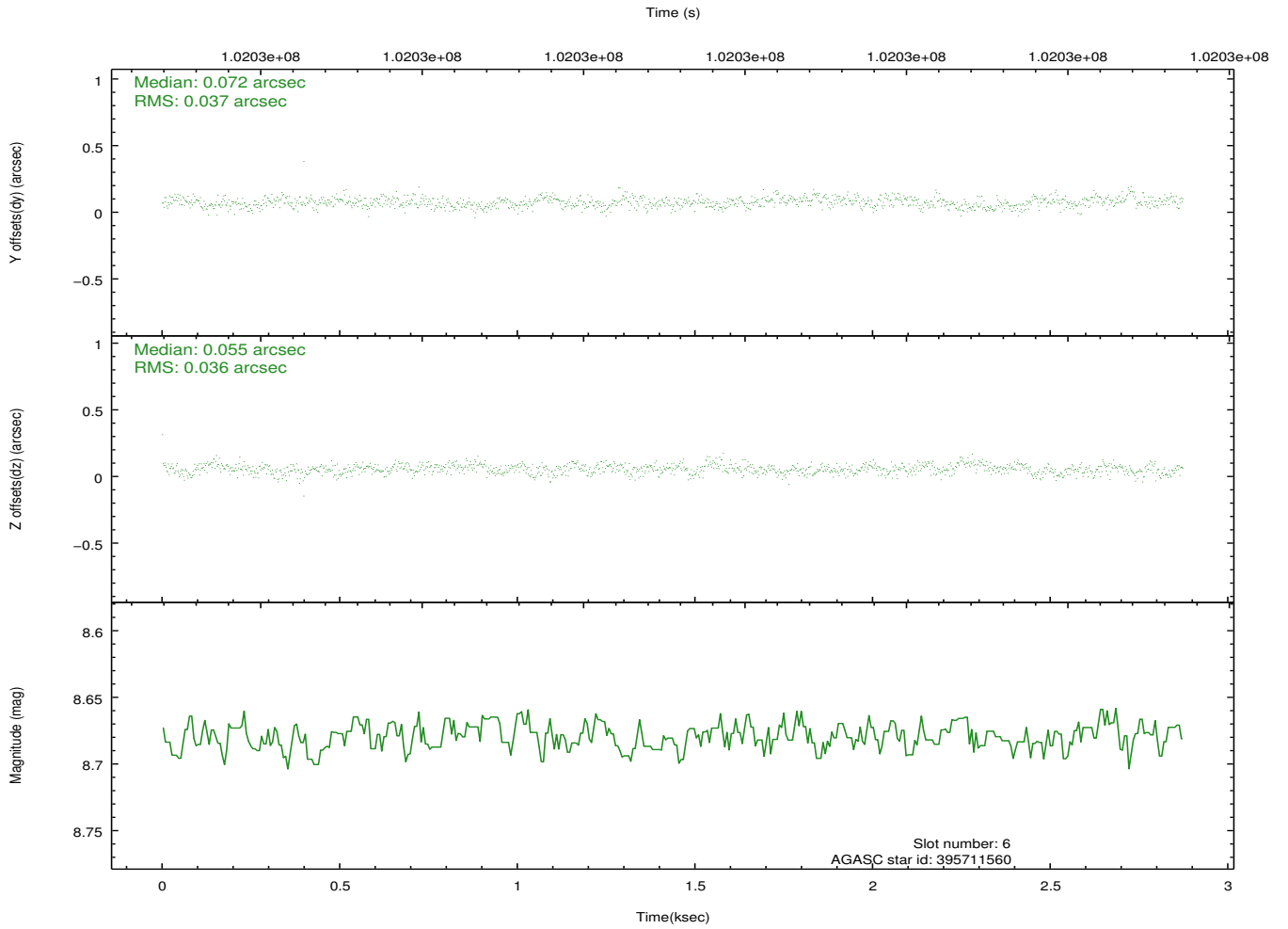
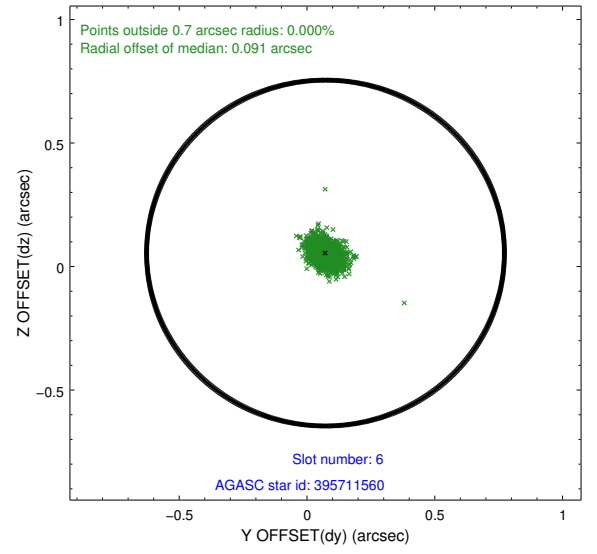
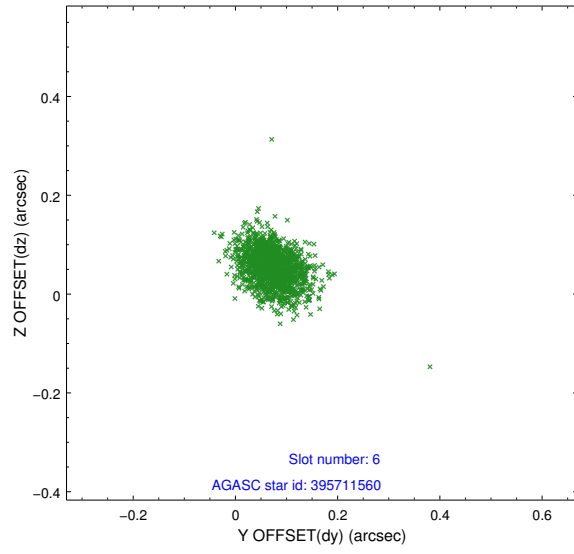
## 2.4.2 Slot 4



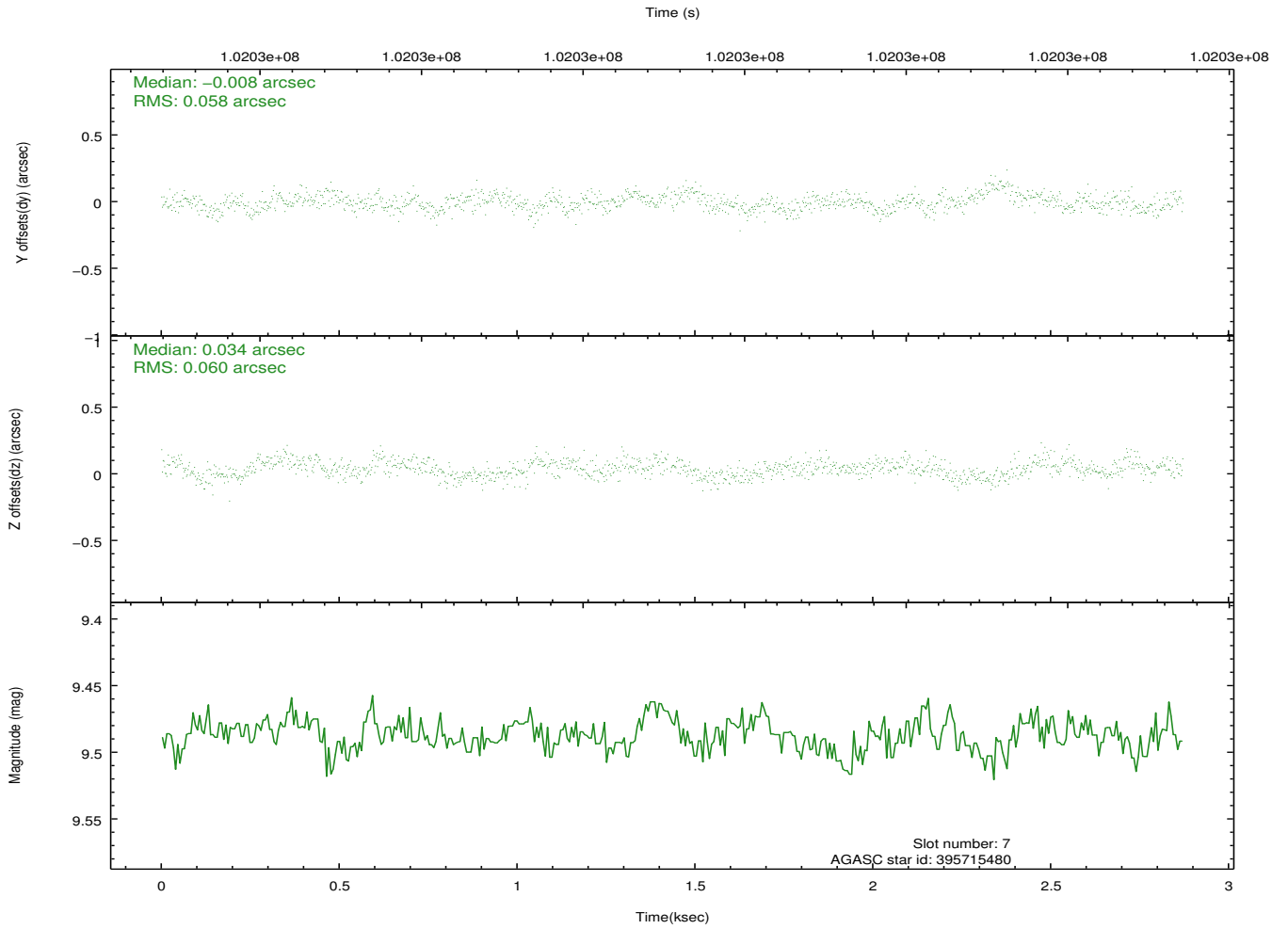
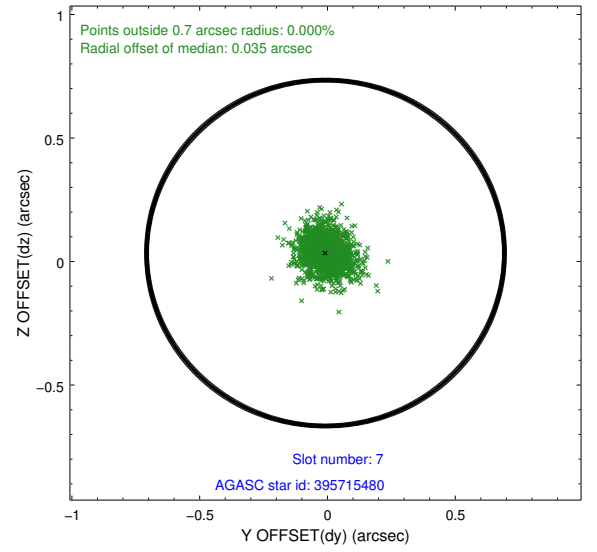
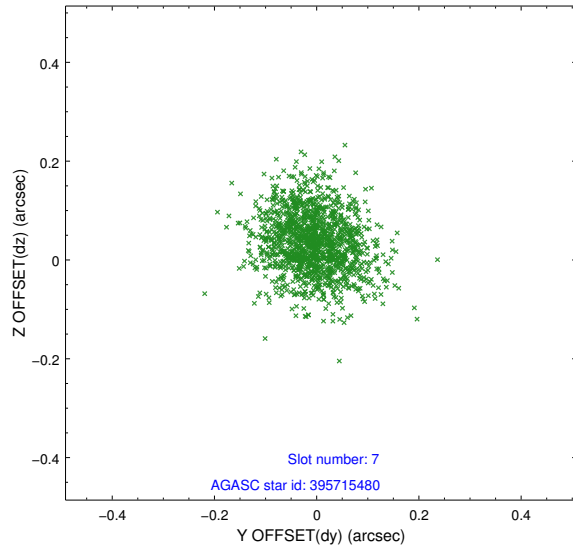
### 2.4.3 Slot 5



## 2.4.4 Slot 6

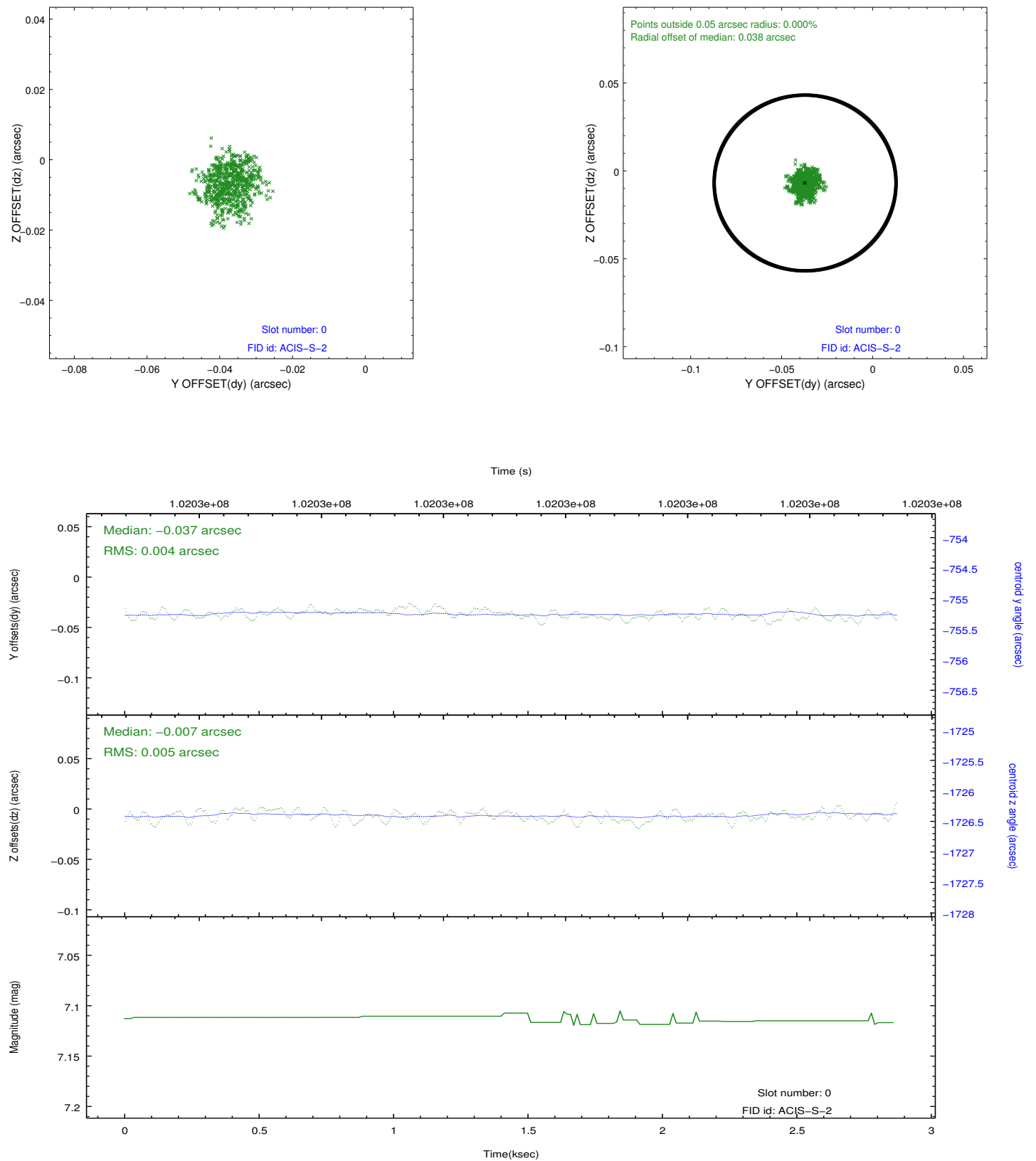


## 2.4.5 Slot 7

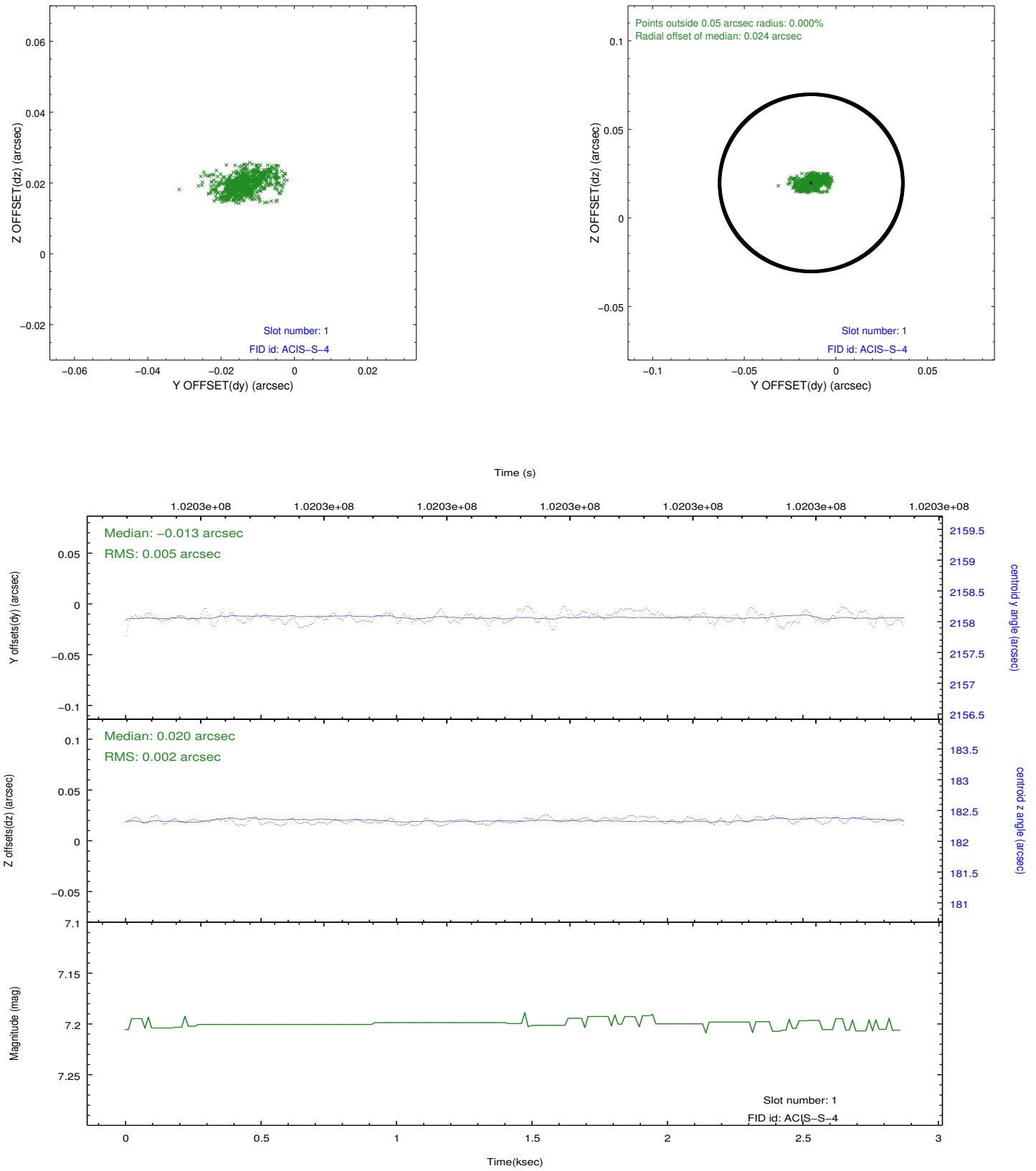


## 2.5 FID Slots

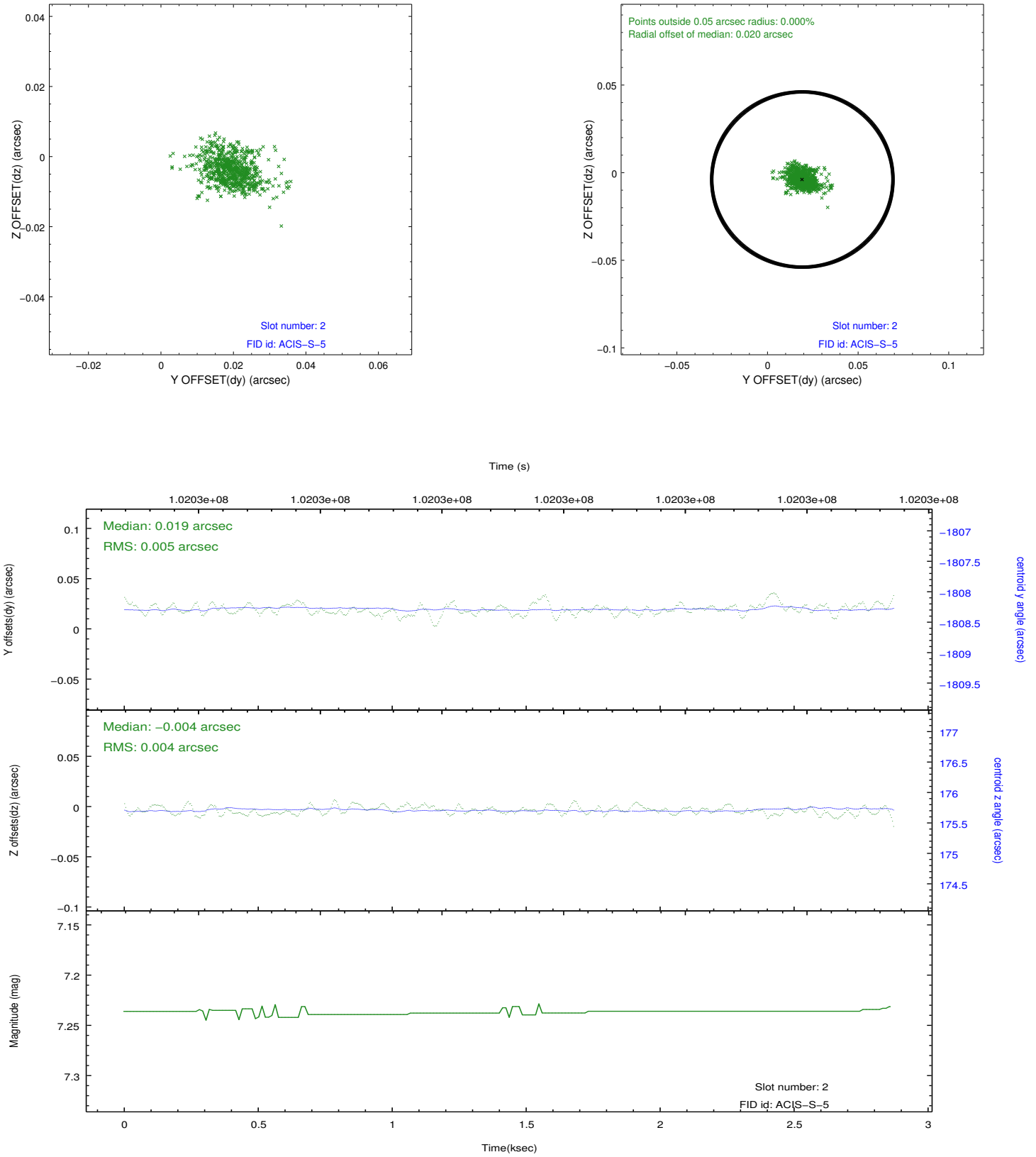
### 2.5.1 Slot 0



## 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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.772

### A.2 Comments