

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7491 - L2 Version 2  
Chandra X-Ray Center

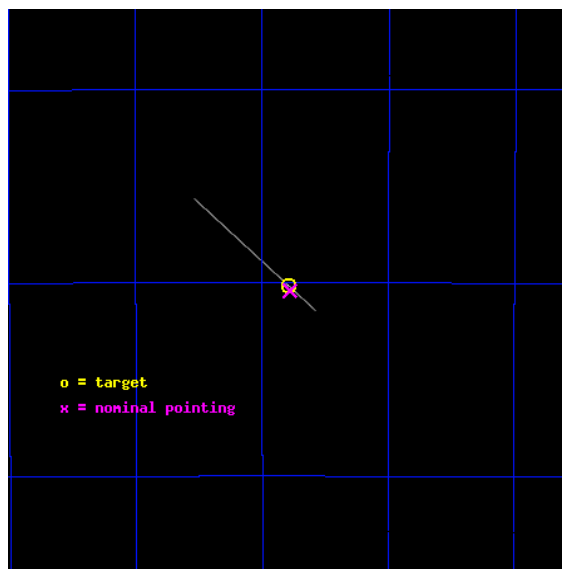
L2 Processing Date : Apr 29 2012

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# 1 Front

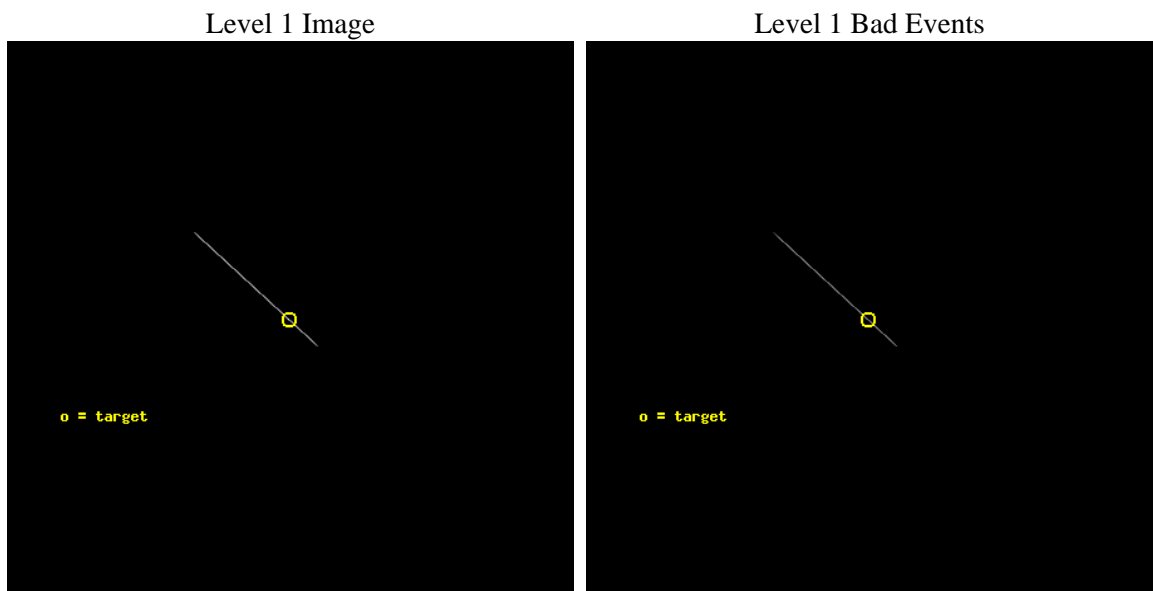
seq_num	400601	Sequence number
obs_id	7491	Observation id
title	Chandra observations of the 2007 PSR B1259-63 periastron passage.	&#160
observer	Dr Maria Chernyakova	Principal investigator
object	PSR B1259-63	Source name
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.83575	Observer's specified target Dec [deg]
ra_nom	195.6952049188	Nominal RA [deg]
dec_nom	-63.840479564491	Nominal Dec [deg]
roll_nom	222.29986808802	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3165.75	Sum of GTIs [s]
livetime	3153.3837890625	Livetime [s]
ontime7	3165.75	Sum of GTIs [s]
l2events	25818	Number of level 2 events



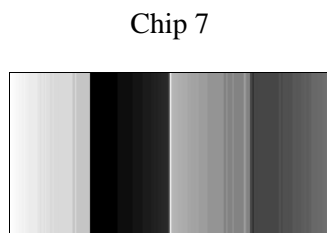
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3165.75	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	3165.75	Sum of GTIs [s]
date	2012-04-30T01:10:13	Date and time of file creation	l1events	36228	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

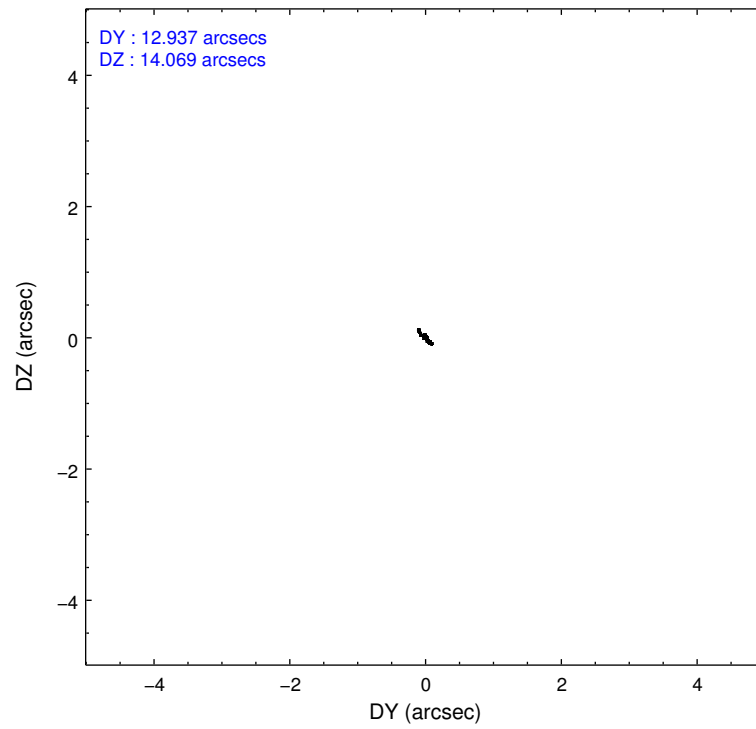
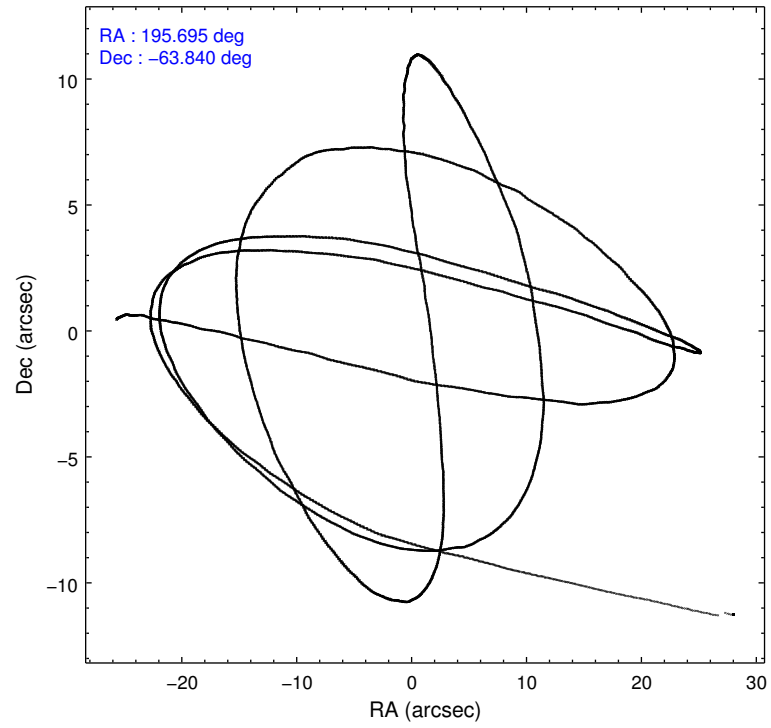
	<b>ccd 7</b>
level 1 events	36228
rejected events	9647
rejected %	26%

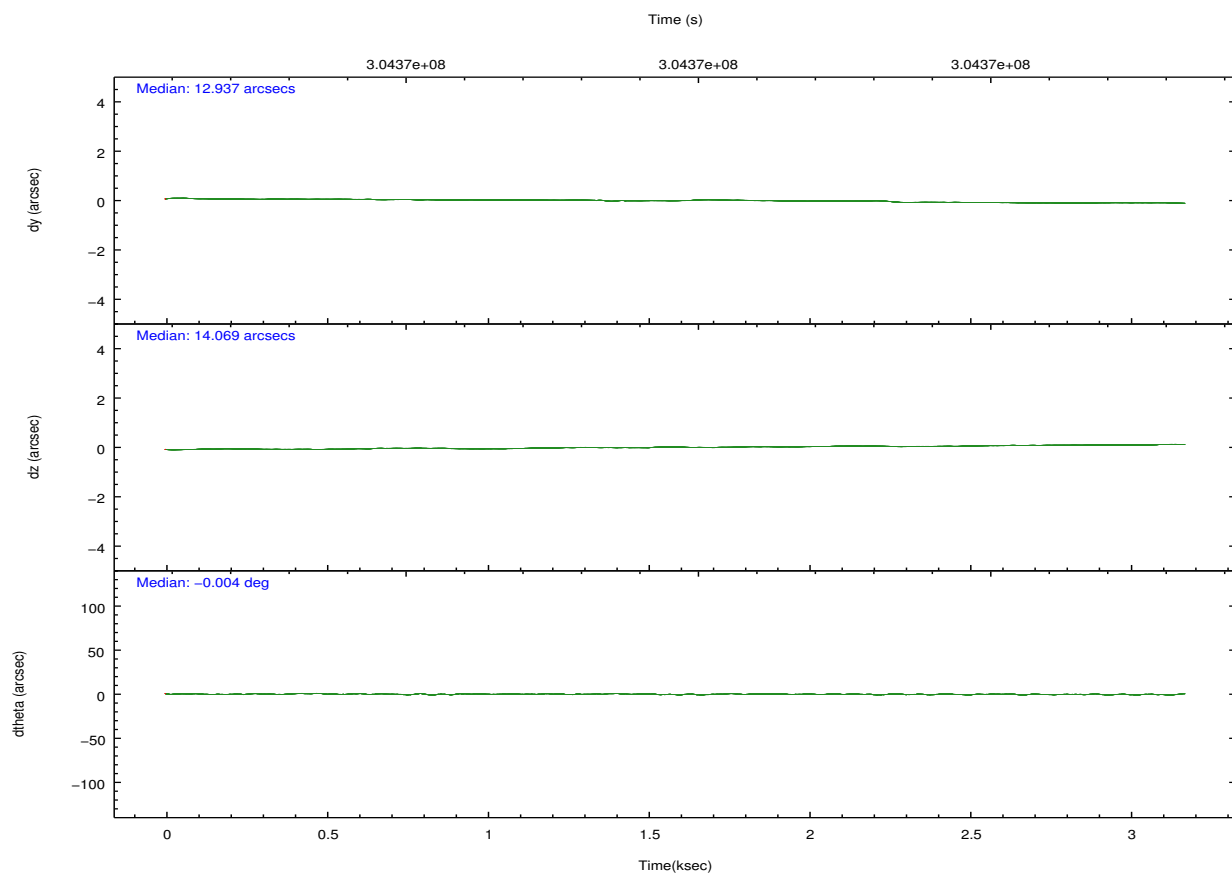
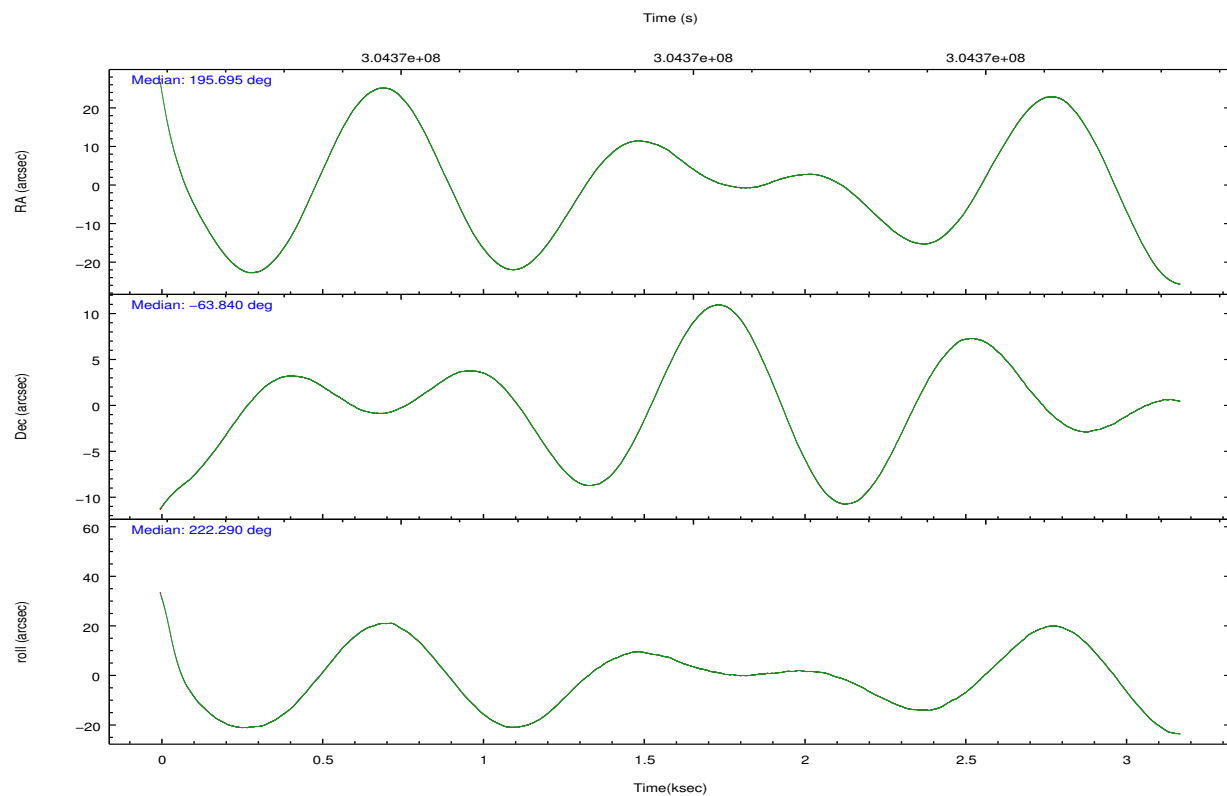
	<b>ccd 7</b>
grade 0 events	4162
	11%
grade 1 events	71
	0%
grade 2 events	8184
	22%
grade 3 events	2565
	7%
grade 4 events	2611
	7%
grade 5 events	4424
	12%
grade 6 events	14211
	39%
grade 7 events	0
	0%

## 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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	195.713326	195.6952049188026	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.814247	-63.84047956449059	Alternating exposures requested	N	N
[deg] Pointing Roll	222.159447	222.2998680880221	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	303782465.184000	303782465.184000			
[s] Window stop time (MET)	304992065.184000	304992065.184000			
[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)	304366502.184000	304365448.66418			
Observation start date	2007-08-24T18:13:57	2007-08-24T17:57:28			
[s] Observation end time (MET)	304369502.184000	304370238.48941			
Observation end date	2007-08-24T19:03:57	2007-08-24T19:17:18			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





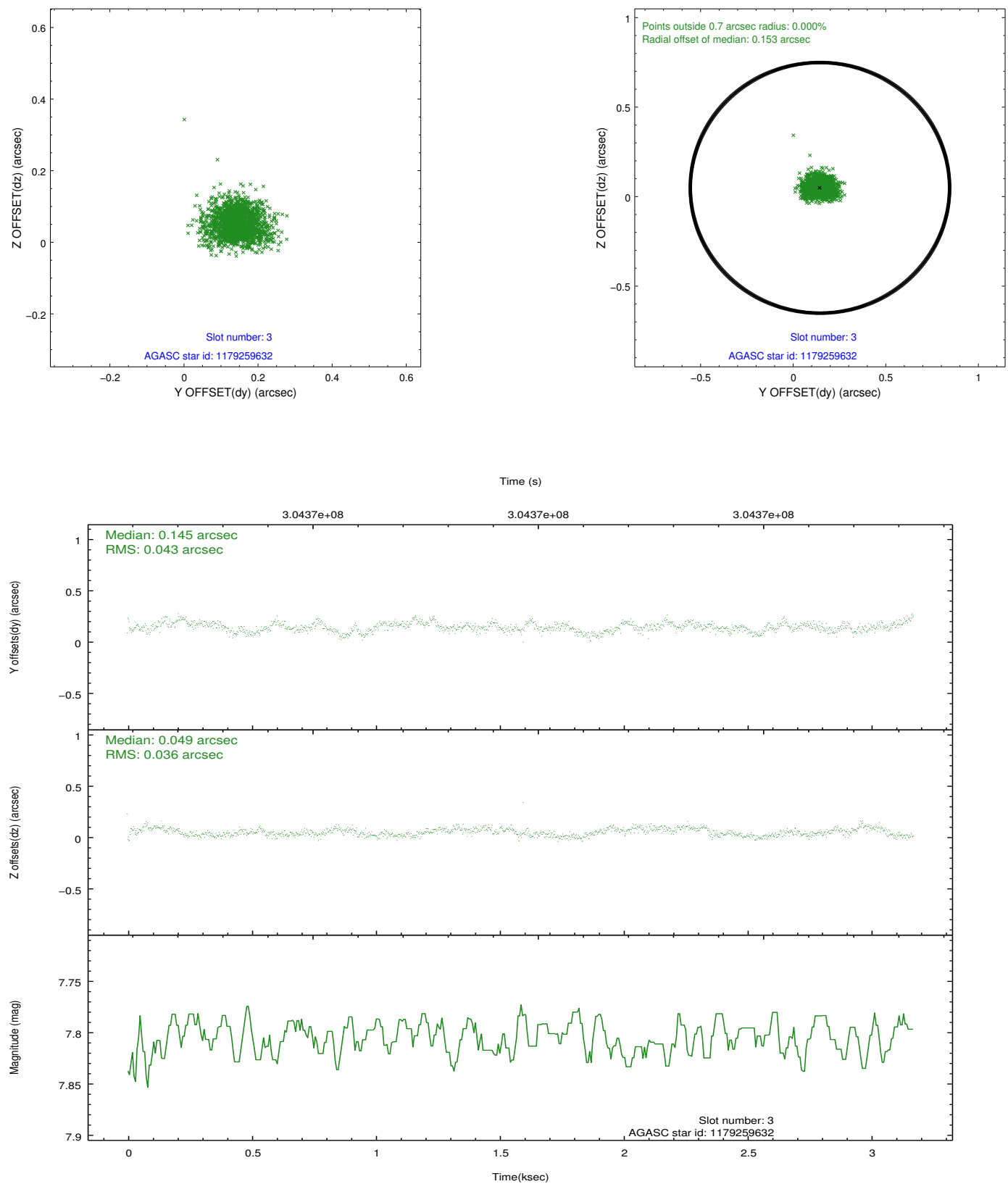
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	774	-0.044	-0.057	0.006	0.012	0.000000	0.000000	-765.87	-1735.49
1	FID	ACIS-S-4	7.19	774	0.172	0.037	0.006	0.011	0.000000	0.000000	2146.69	171.03
2	FID	ACIS-S-5	7.23	774	-0.160	0.029	0.007	0.014	0.000000	0.000000	-1816.27	166.94
3	GUIDE	1179259632	7.80	1548	0.145	0.049	0.059	0.098	194.903869	-64.371399	2288.09	645.76
4	GUIDE	1179266536	5.92	1548	-0.084	-0.027	0.044	0.069	195.962698	-64.099870	400.84	1026.58
5	GUIDE	1179267848	7.95	1548	-0.005	-0.000	0.054	0.085	195.158124	-64.292418	1800.41	698.04
6	GUIDE	1178734856	8.21	1548	0.033	-0.025	0.058	0.094	195.759625	-63.178913	-1589.81	-1644.70
7	GUIDE	1178730656	9.09	1543	-0.089	0.003	0.086	0.146	195.892907	-62.969578	-2259.71	-2057.96

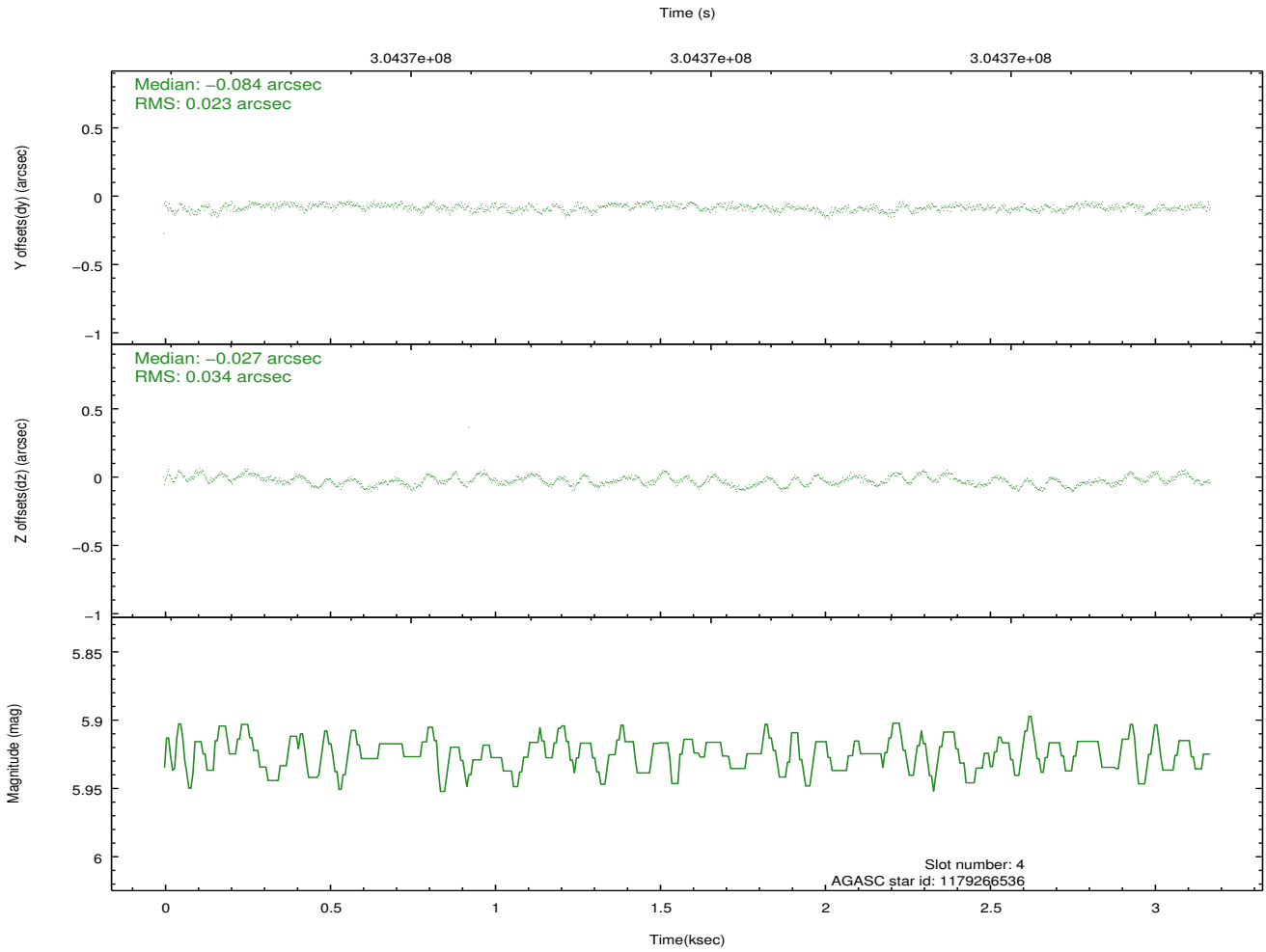
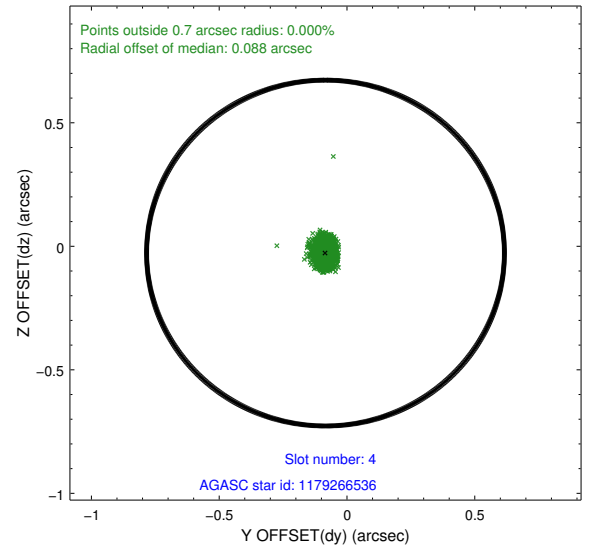
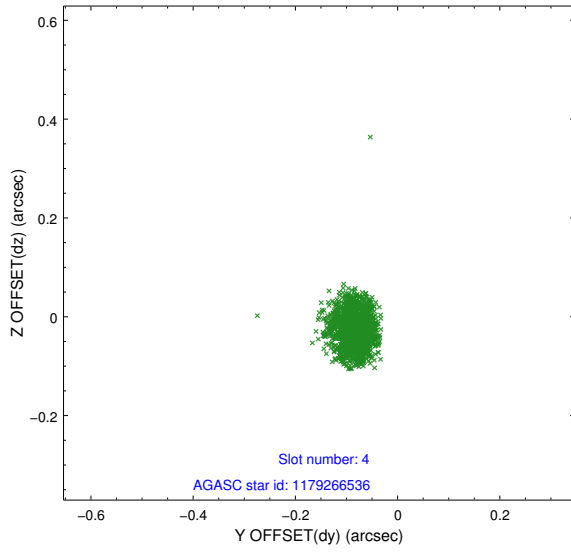


## 2.4 Star Slots

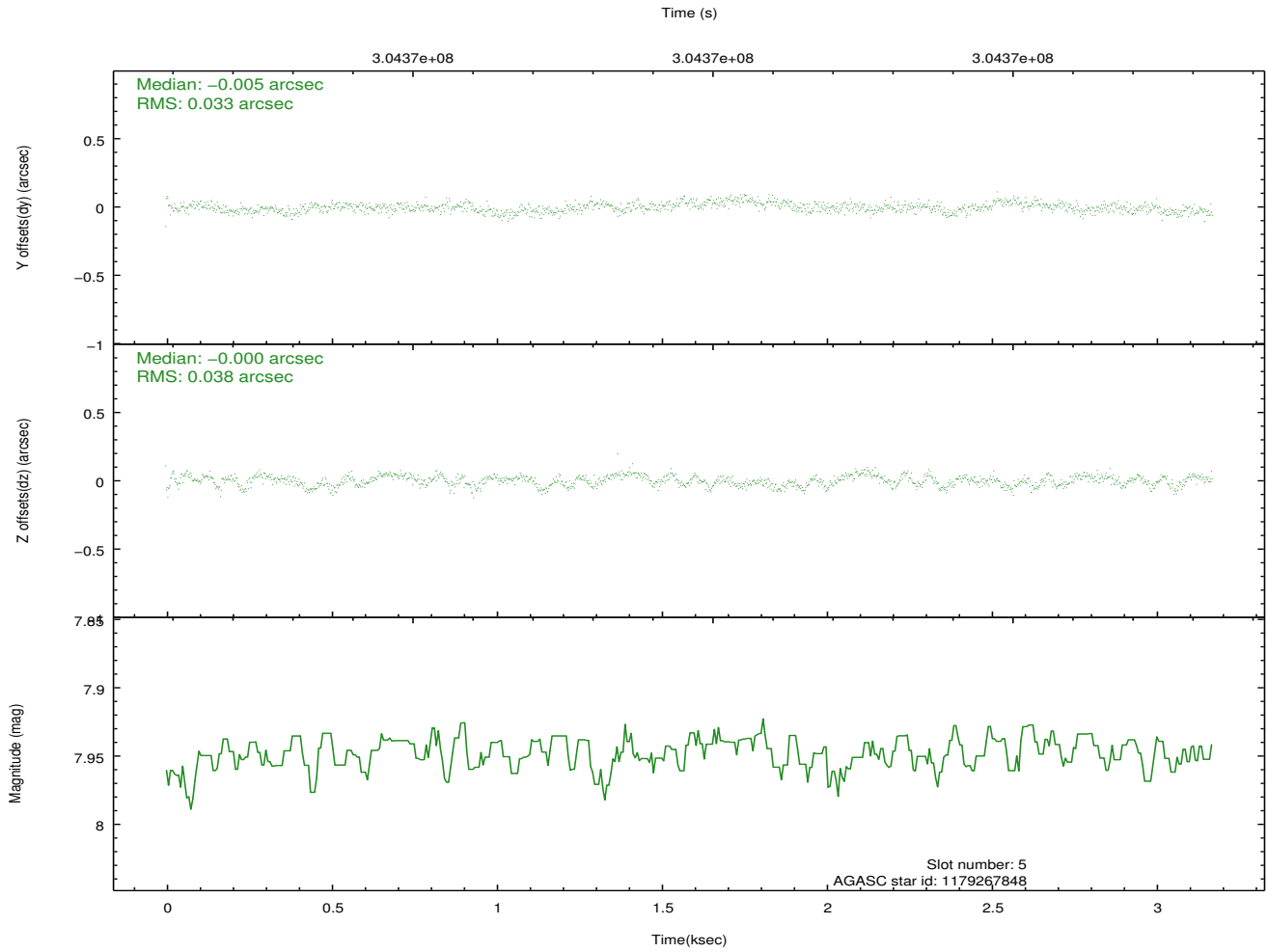
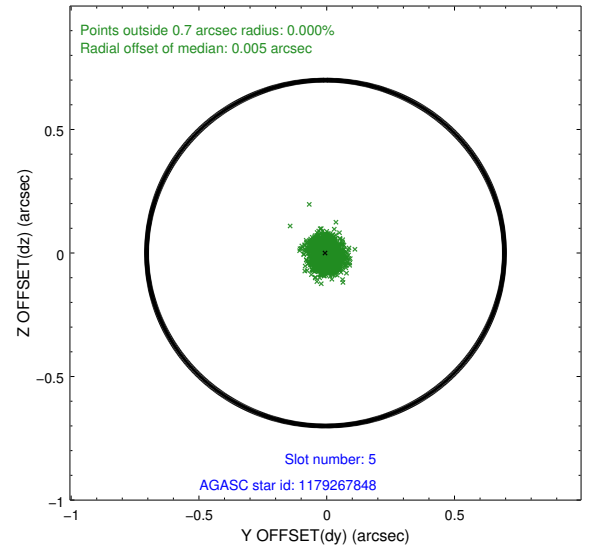
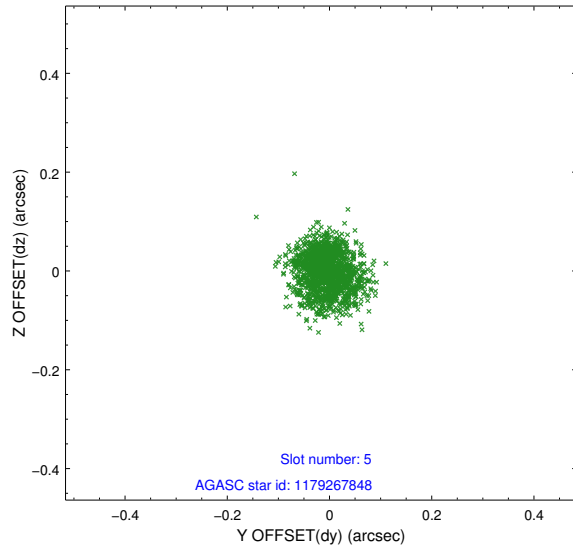
### 2.4.1 Slot 3



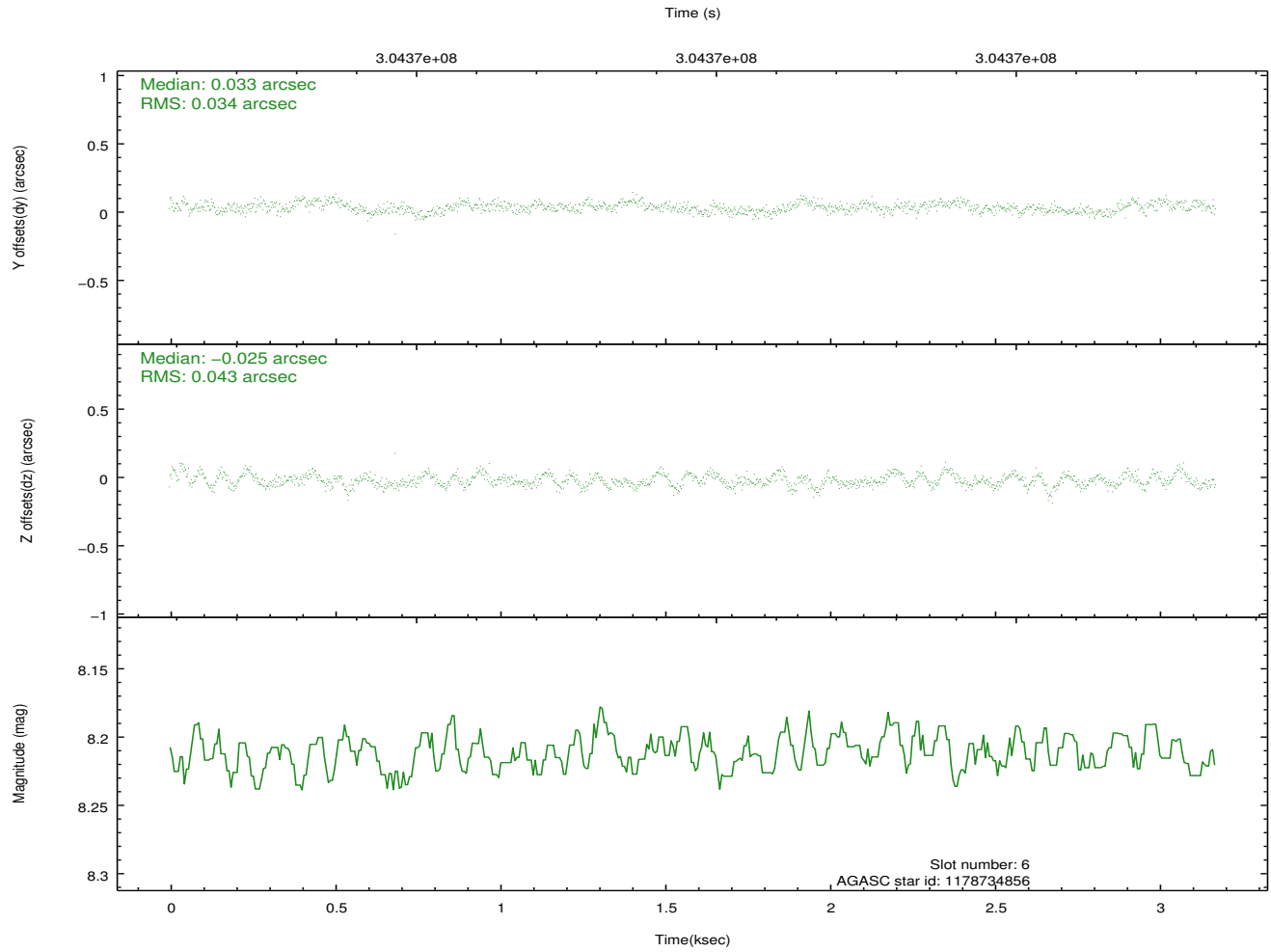
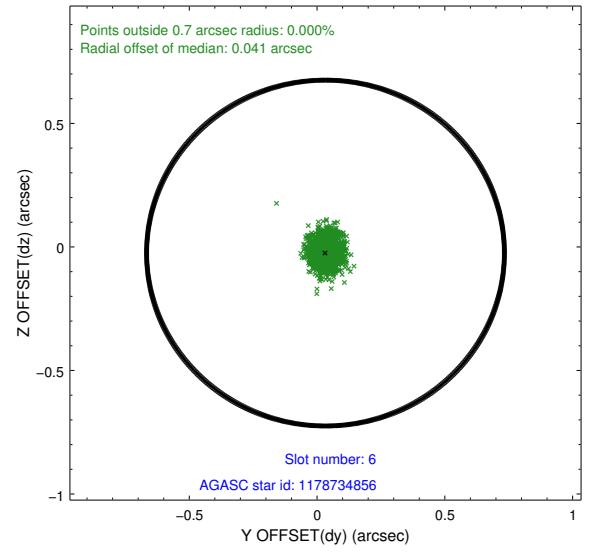
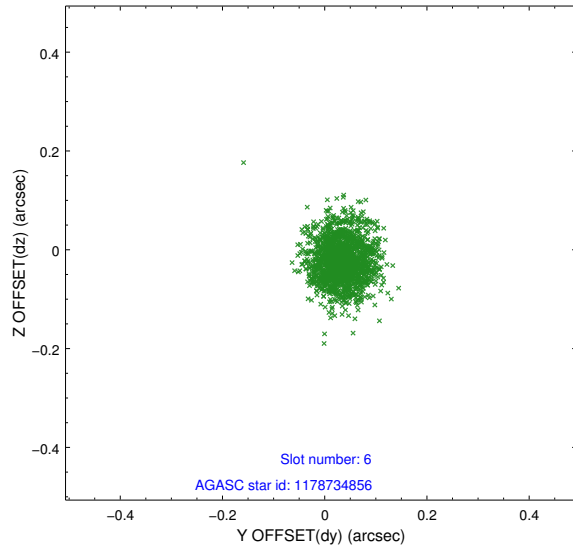
## 2.4.2 Slot 4



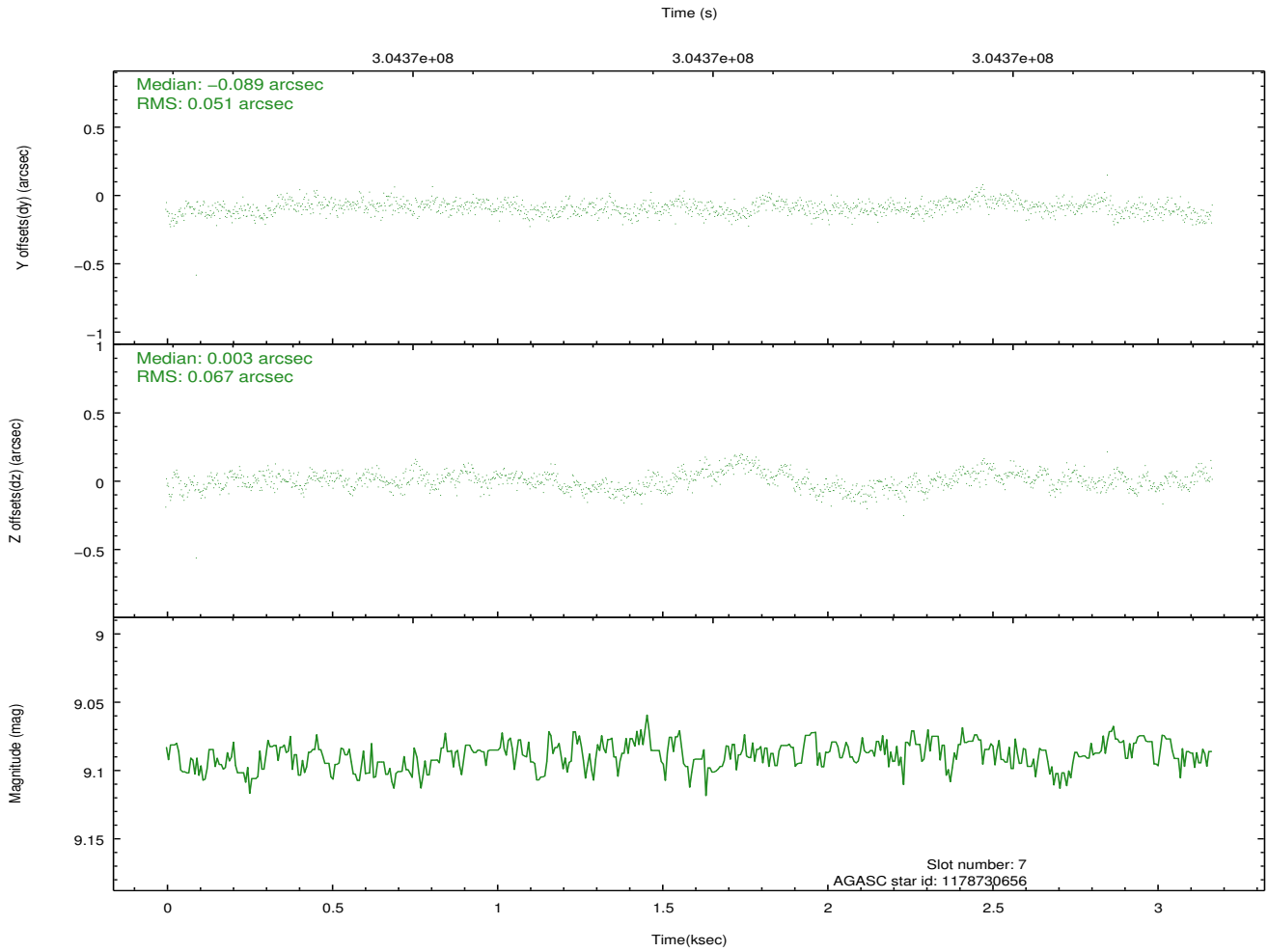
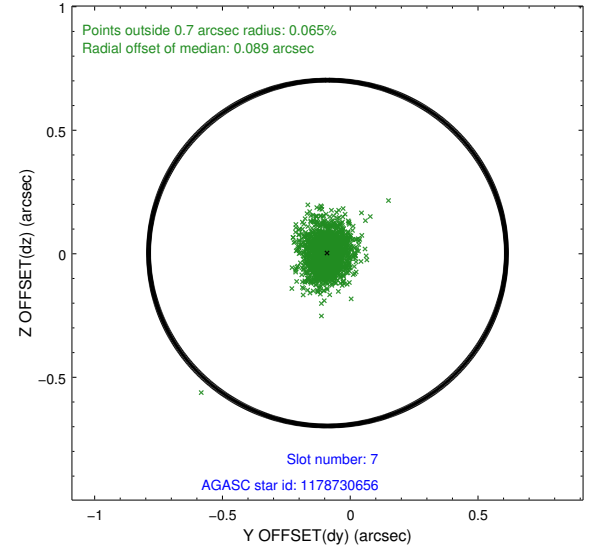
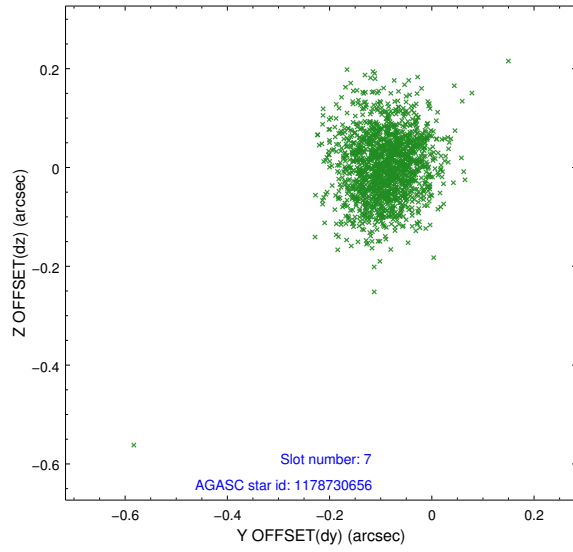
### 2.4.3 Slot 5



## 2.4.4 Slot 6

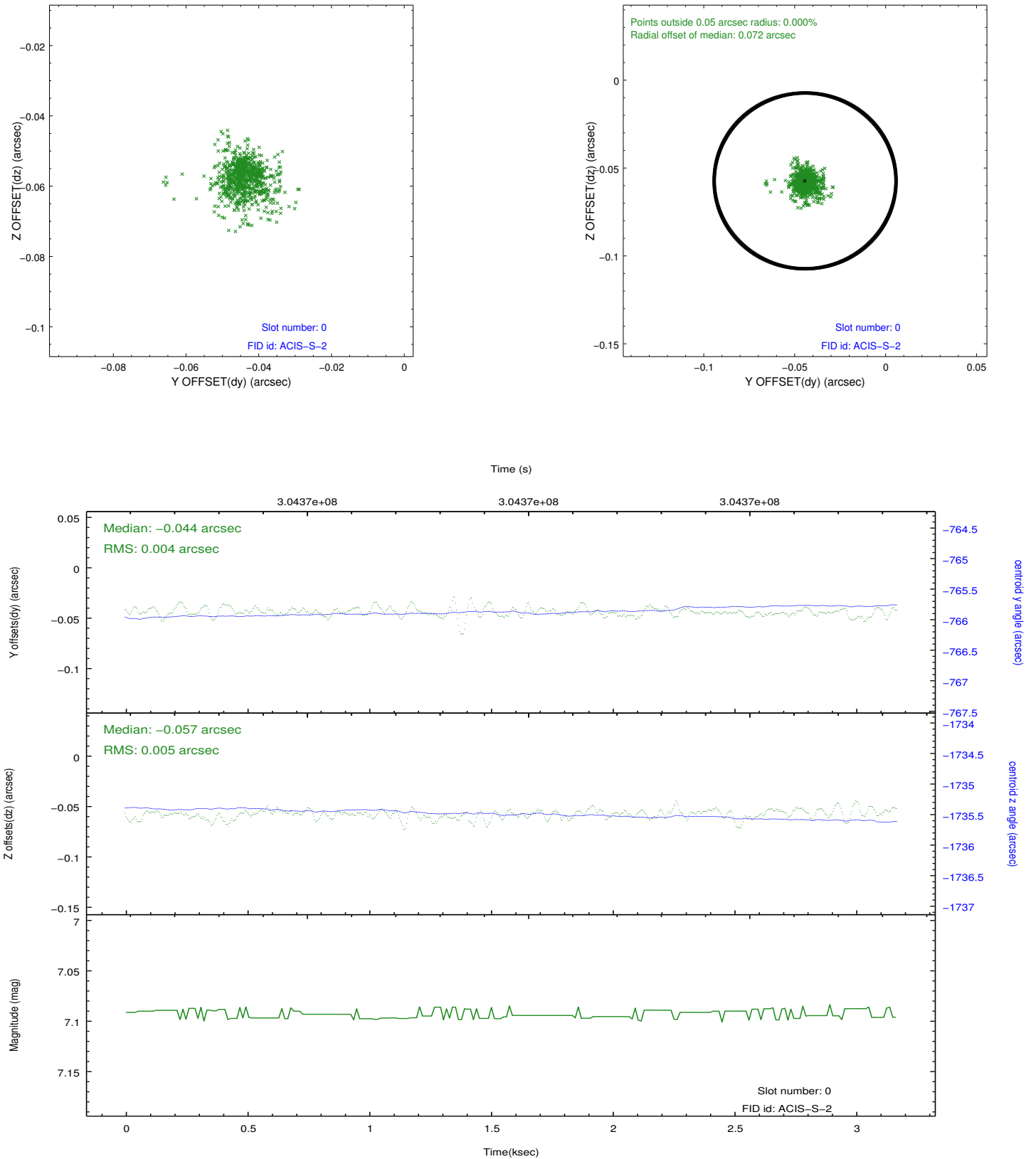


### 2.4.5 Slot 7

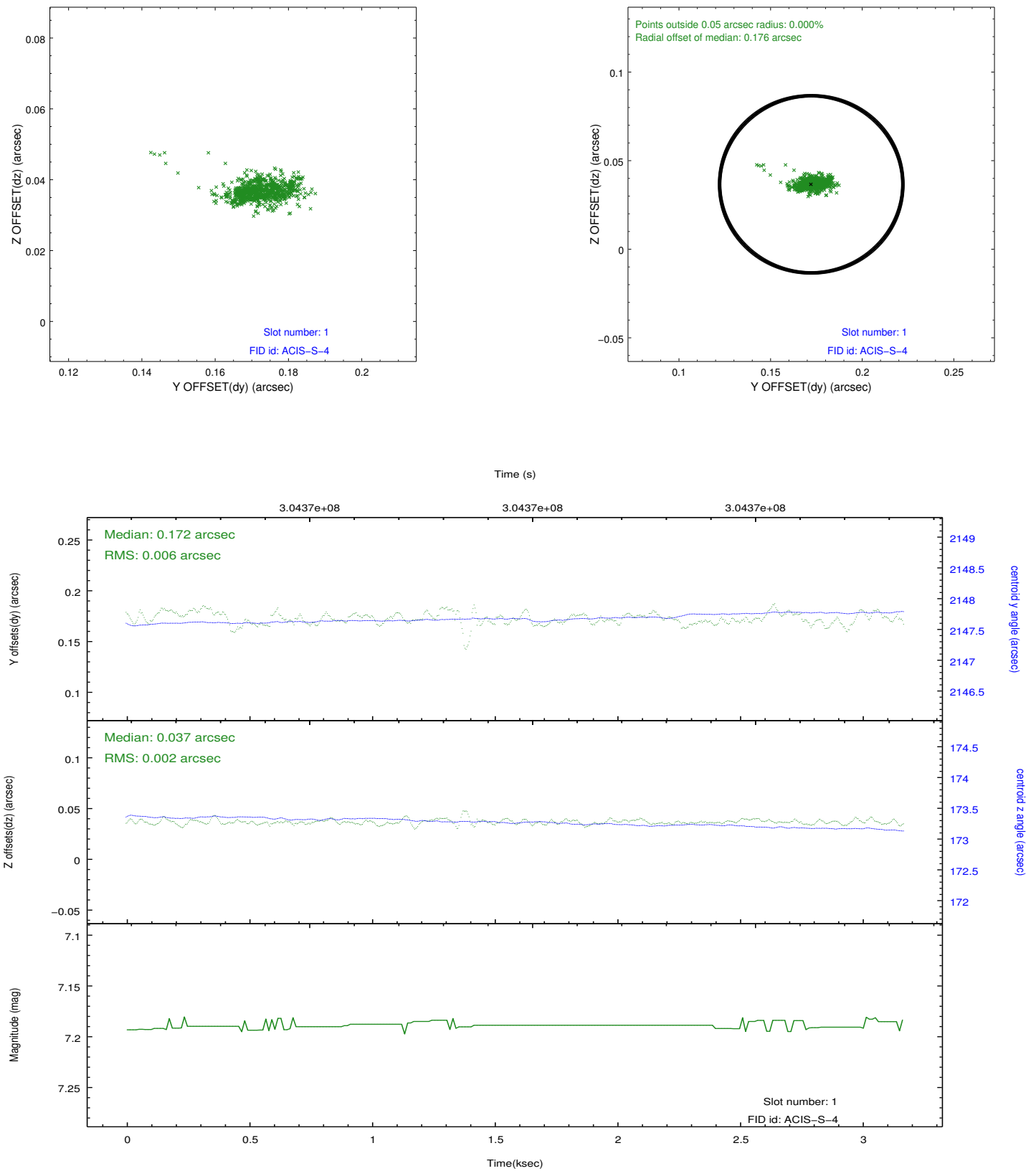


## 2.5 FID Slots

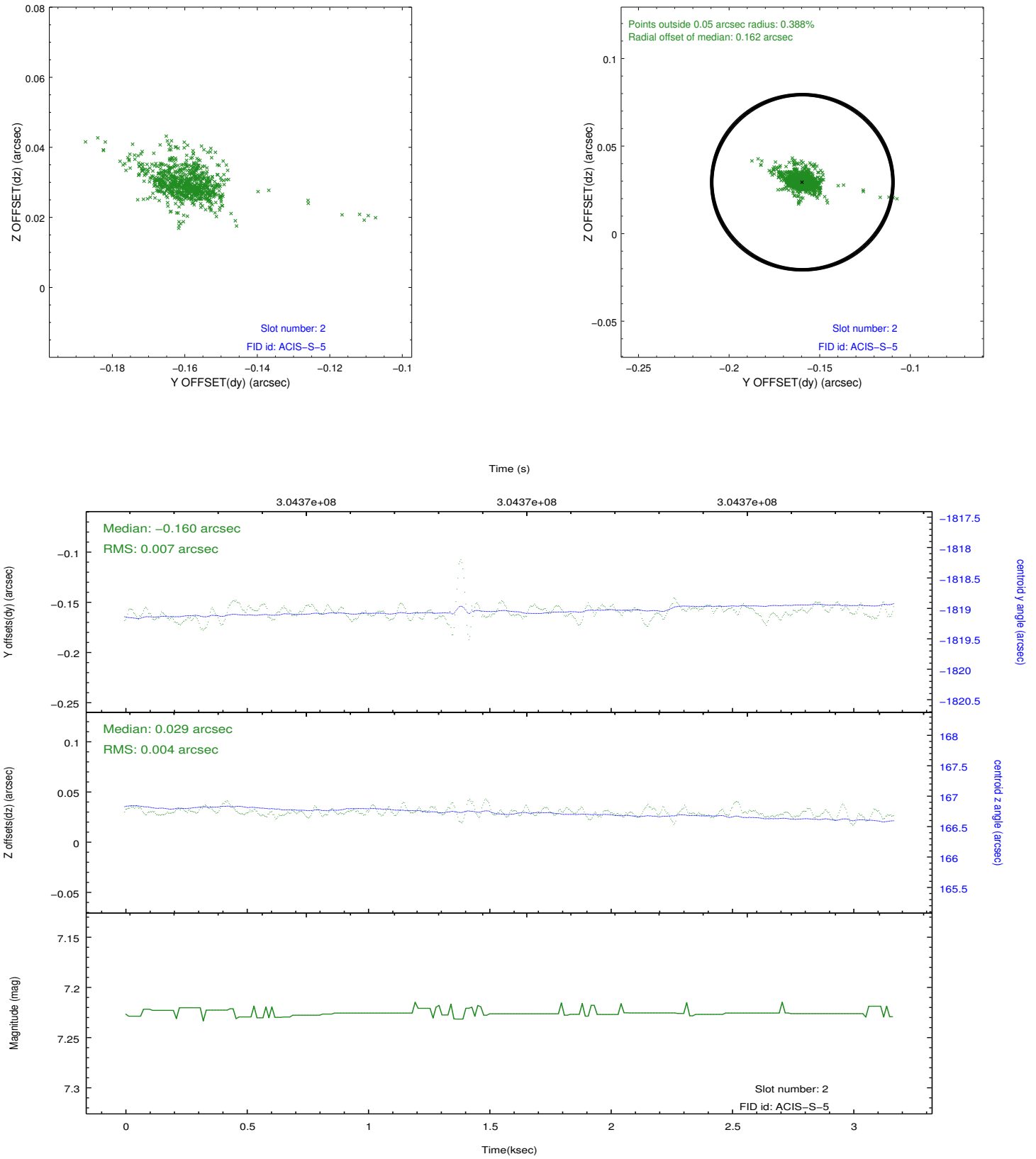
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.16575

### A.2 Comments