

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 7337 - L2 Version 2  
Chandra X-Ray Center

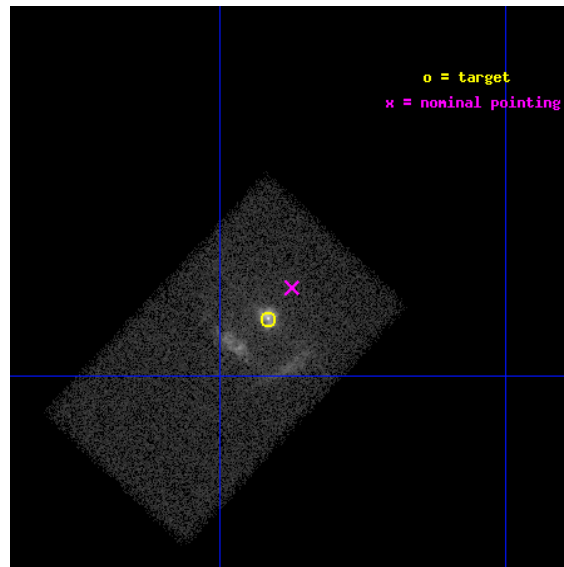
L2 Processing Date : Apr 2 2012

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# 1 Front

seq_num	500637	Sequence number
obs_id	7337	Observation id
title	A Deep Chandra Observation of the Supernova Remnant Kes 75	Proposa
observer	Dr. Patrick Slane	Principal investigator
object	Kes 75	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.60375	Observer's specified target RA [deg]
dec_targ	-2.975111	Observer's specified target Dec [deg]
ra_nom	281.59365002253	Nominal RA [deg]
dec_nom	-2.9618930382352	Nominal Dec [deg]
roll_nom	133.1560900665	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17754.991537541	Sum of GTIs [s]
livetime	17359.201737917	Livetime [s]
ontime7	17754.991537541	Sum of GTIs [s]
l2events	89636	Number of level 2 events

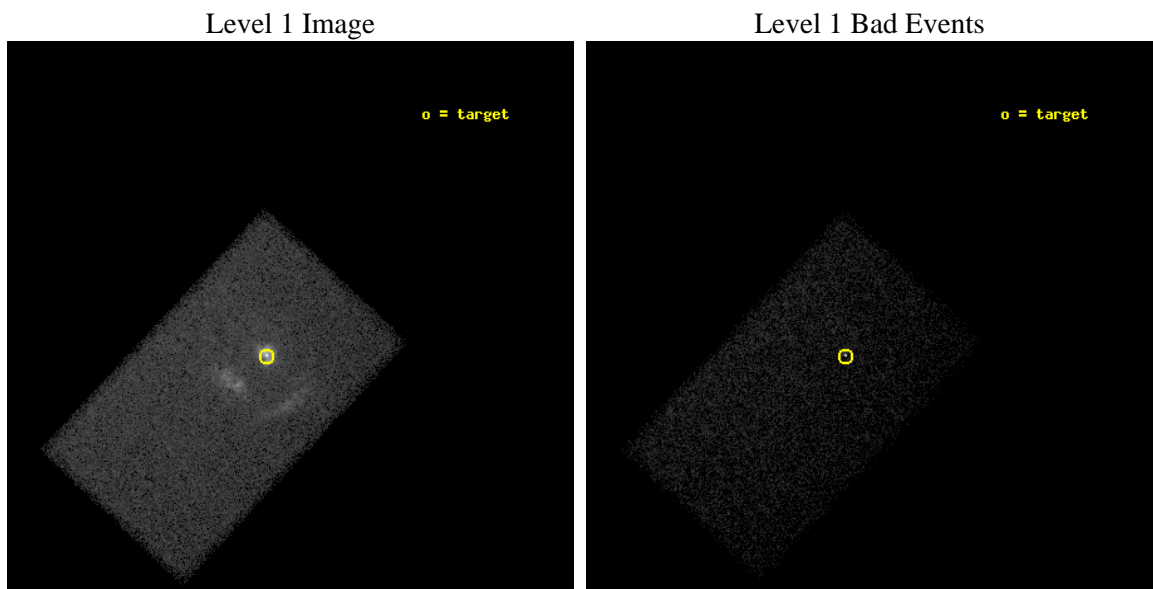




## 2 OBI

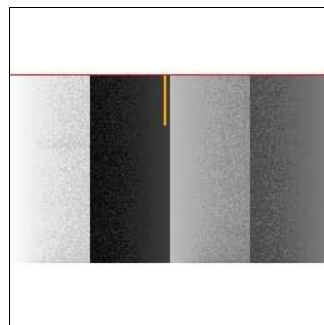
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	17754.991537541	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	17754.991537541	Sum of GTIs [s]
date	2012-04-02T19:55:29	Date and time of file creation	l1events	165292	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

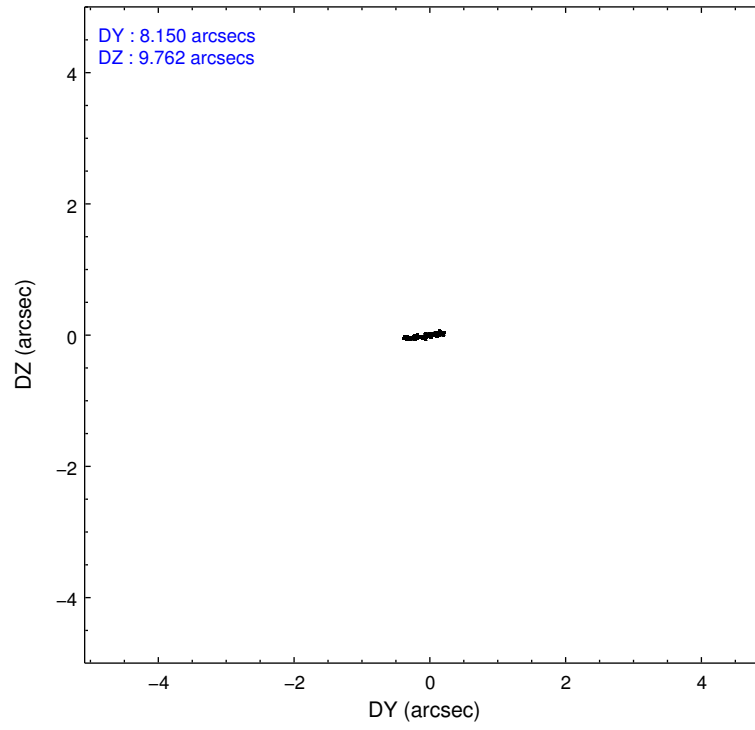
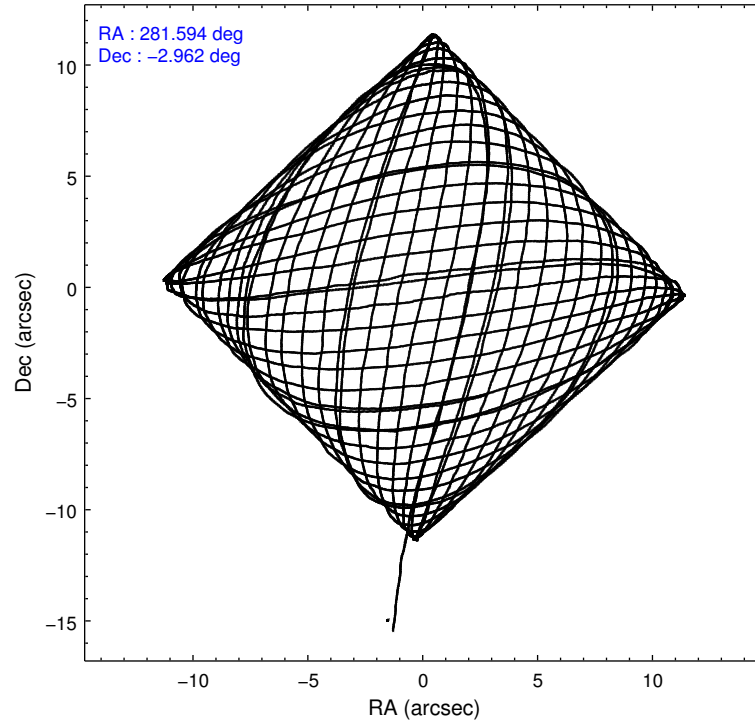
	<b>ccd 7</b>
level 1 events	165292
rejected events	74036
rejected %	44%

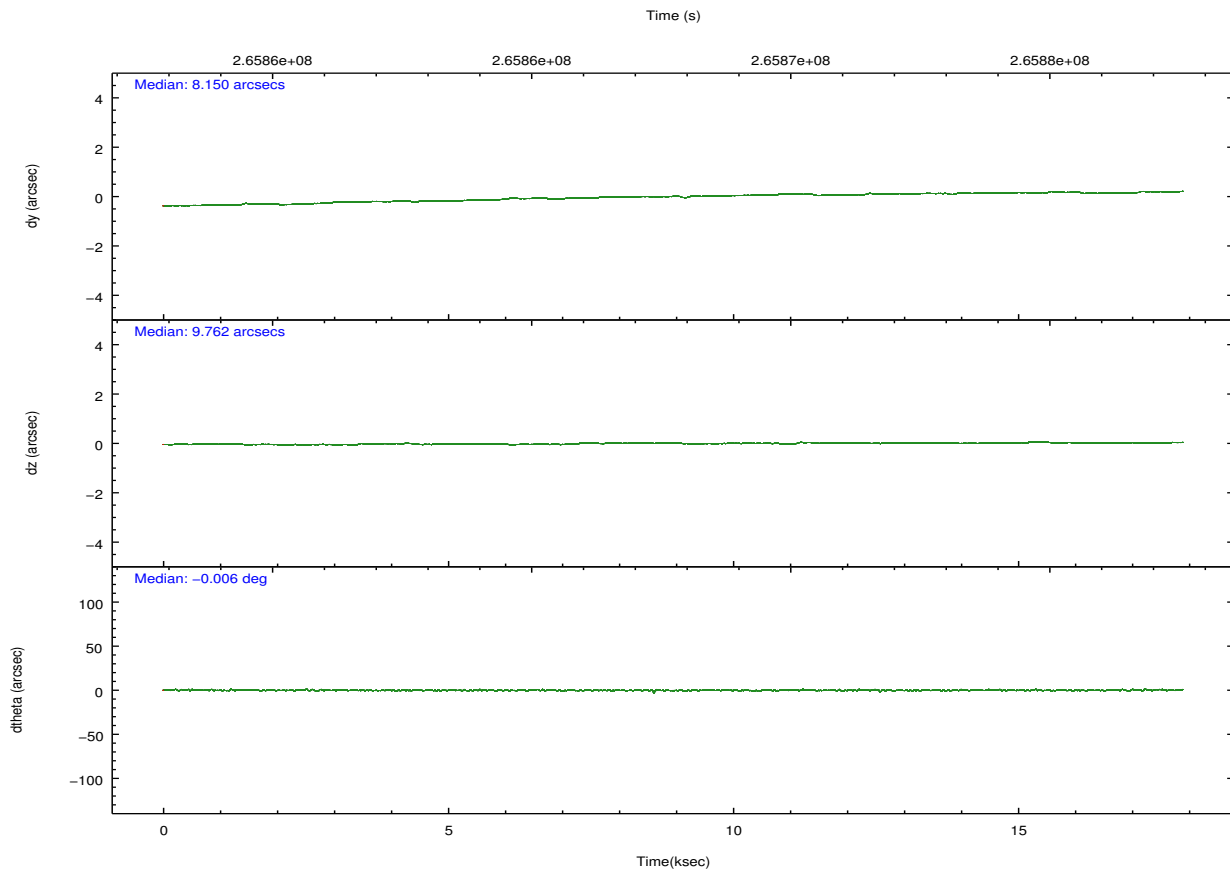
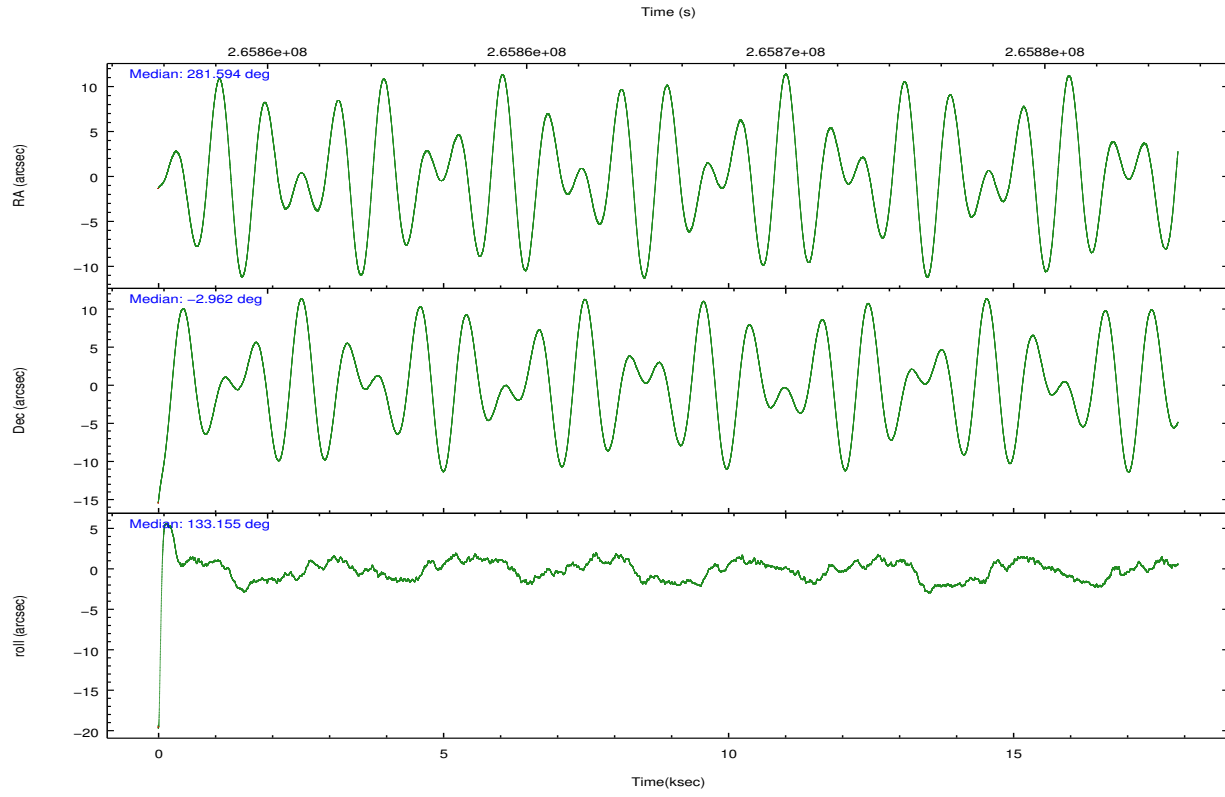
	<b>ccd 7</b>
grade 0 events	12784
	7%
grade 1 events	289
	0%
grade 2 events	20262
	12%
grade 3 events	9293
	5%
grade 4 events	9224
	5%
grade 5 events	12981
	7%
grade 6 events	39707
	24%
grade 7 events	60752
	36%

## 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	281.619892	281.5936500225273	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	-2.969418	-2.961893038235198	Subarray start row	212	212
[deg] Pointing Roll	133.000835	133.1560900664963	Subarray row count	600	600
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	265858967.184000	265858351.38923			
Observation start date	2006-06-05T01:41:42	2006-06-05T01:32:31			
[s] Observation end time (MET)	265876667.184000	265877620.36513			
Observation end date	2006-06-05T06:36:42	2006-06-05T06:53:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



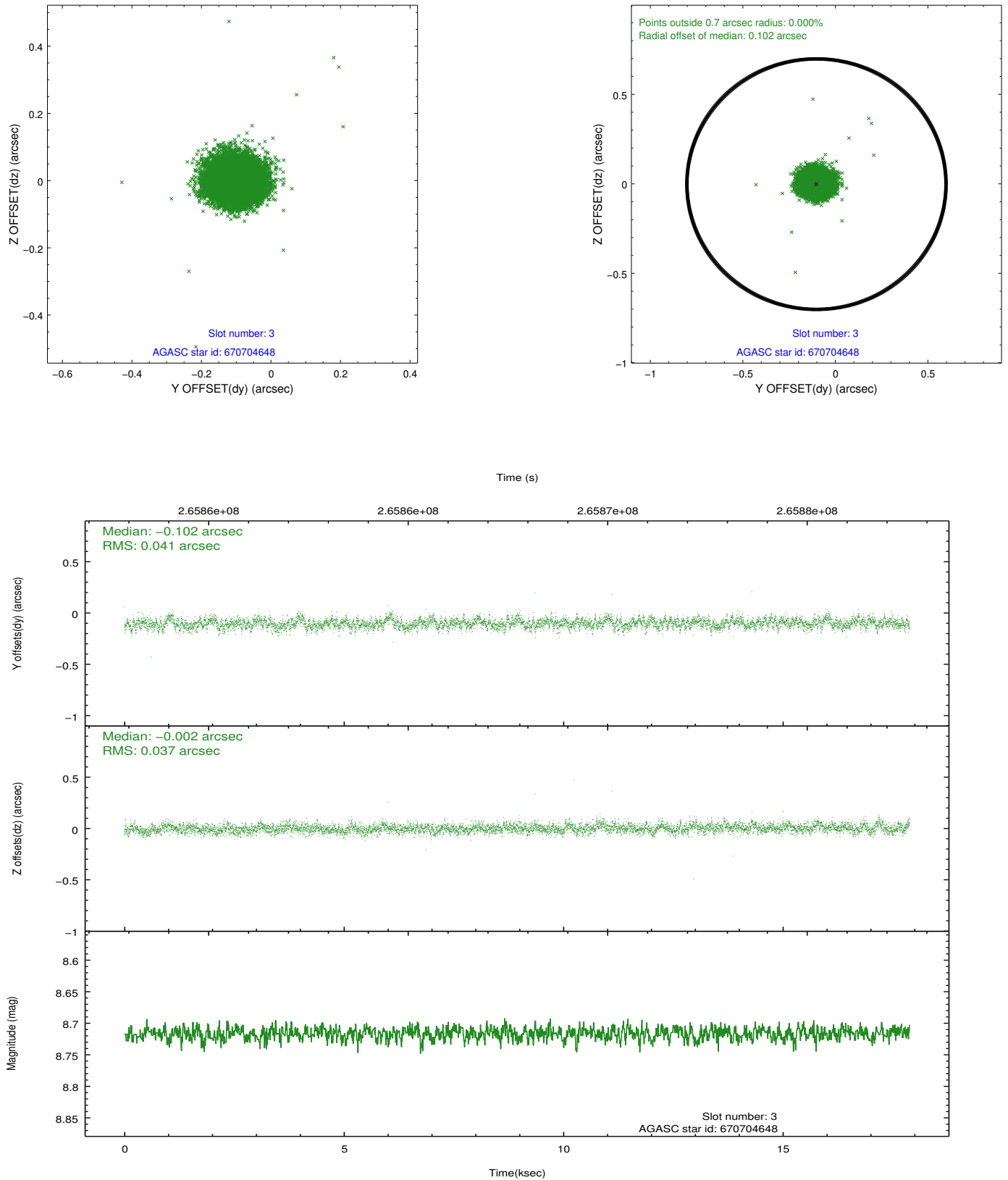


### Slot Statistics

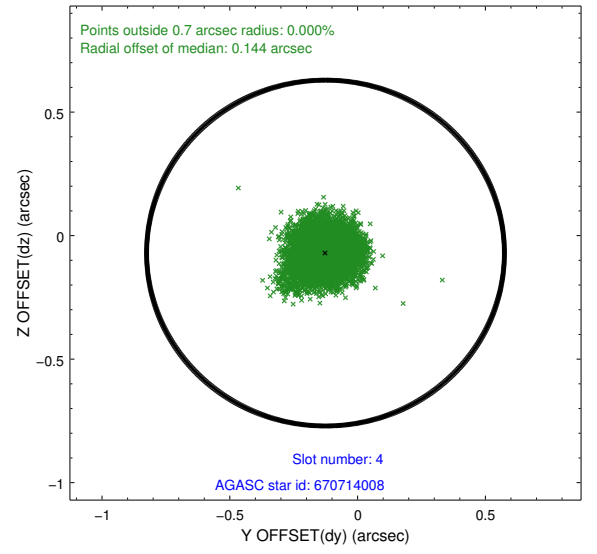
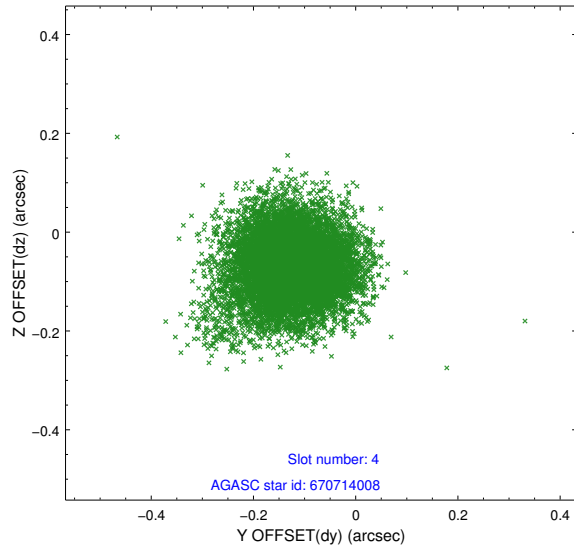
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4364	0.057	-0.042	0.006	0.011	0.000000	0.000000	935.22	-1726.60
1	FID	ACIS-S-5	7.24	4364	-0.122	0.033	0.010	0.017	0.000000	0.000000	-1813.85	170.76
2	FID	ACIS-S-6	7.35	4364	0.043	0.021	0.011	0.017	0.000000	0.000000	400.49	814.99
3	GUIDE	670704648	8.72	8725	-0.102	-0.002	0.057	0.094	280.736676	-2.935747	2253.28	2240.66
4	GUIDE	670714008	9.03	8726	-0.126	-0.071	0.093	0.153	281.129237	-3.153193	718.78	1741.57
5	GUIDE	670829600	8.62	8721	0.004	0.233	0.073	0.116	282.227270	-3.031765	-1653.70	-1443.04
6	GUIDE	670830264	8.75	8724	0.111	-0.055	0.074	0.117	281.361536	-3.231556	-57.08	1322.60
7	GUIDE	670830024	8.33	8724	0.118	-0.103	0.067	0.107	281.863539	-3.639841	-2362.89	1007.78

## 2.4 Star Slots

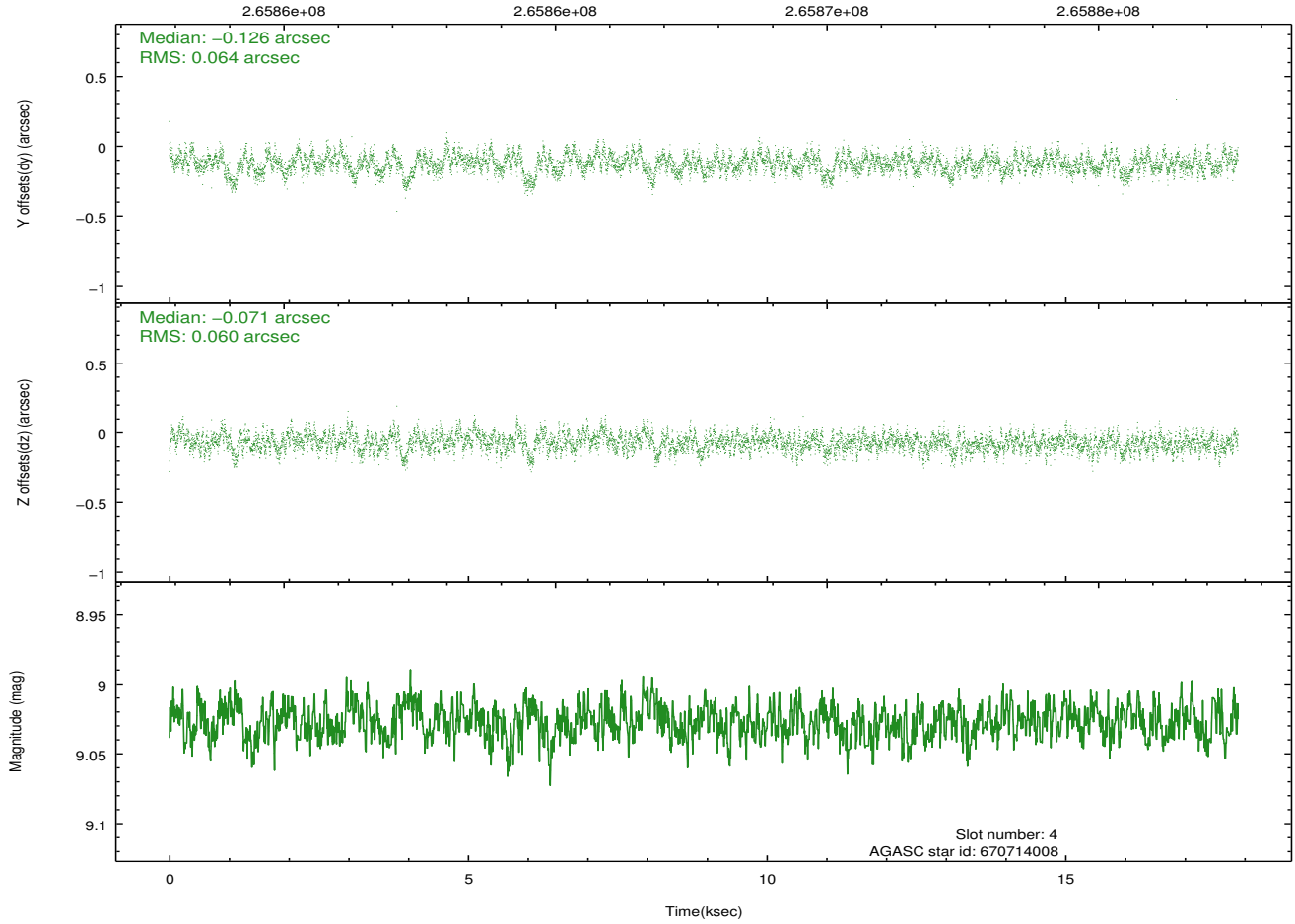
### 2.4.1 Slot 3



## 2.4.2 Slot 4

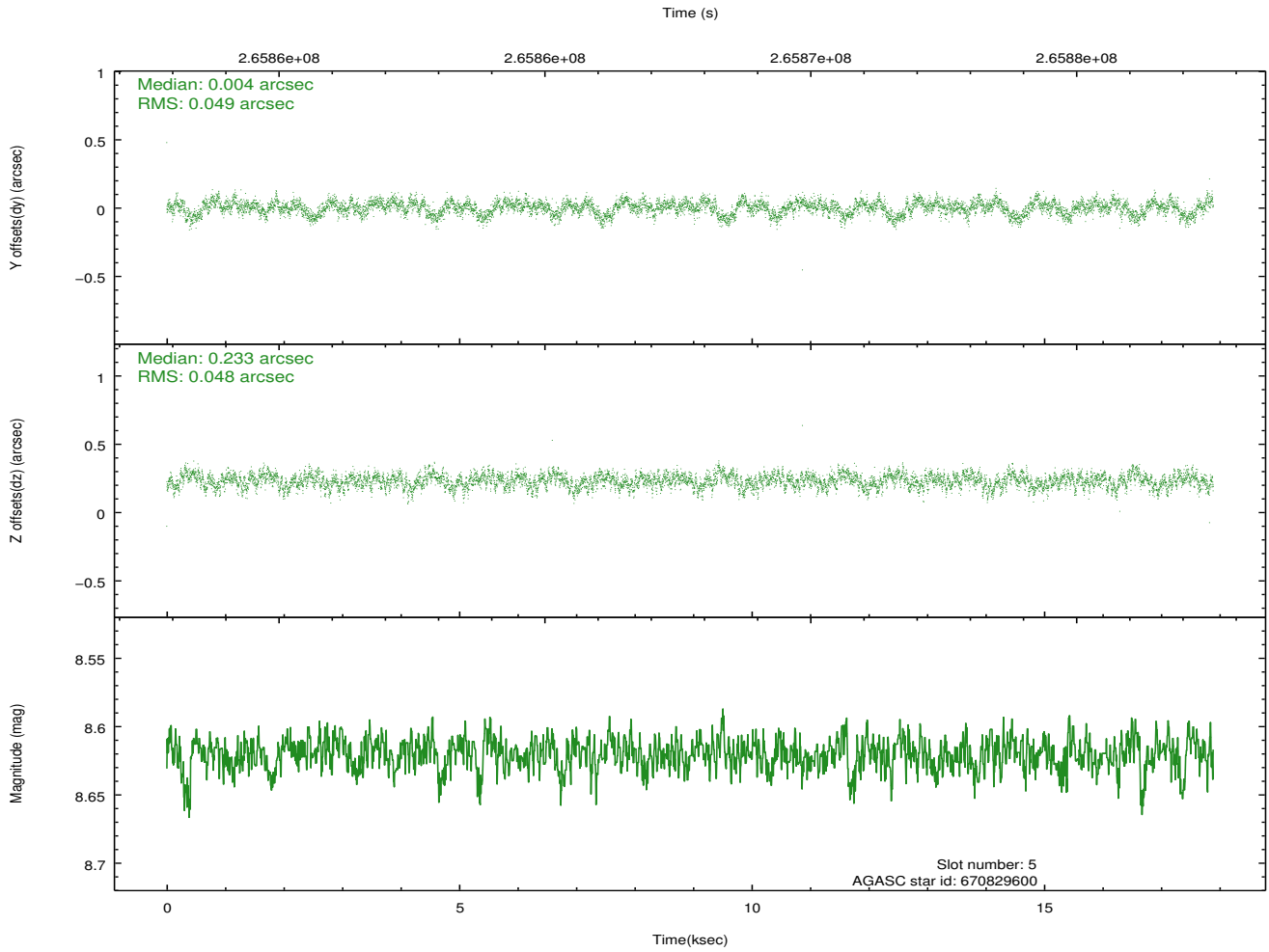
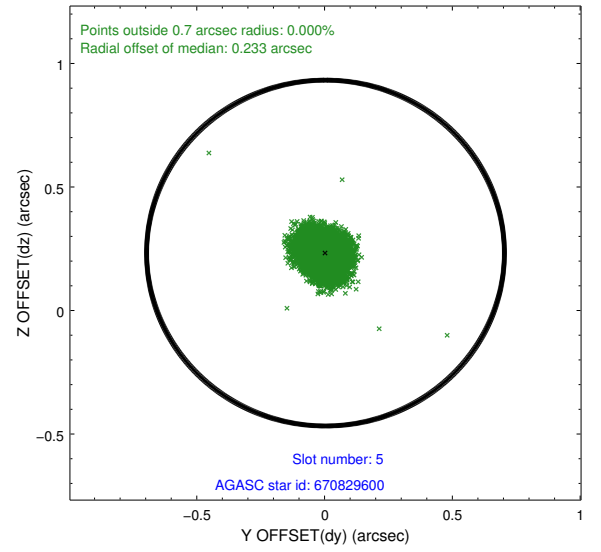
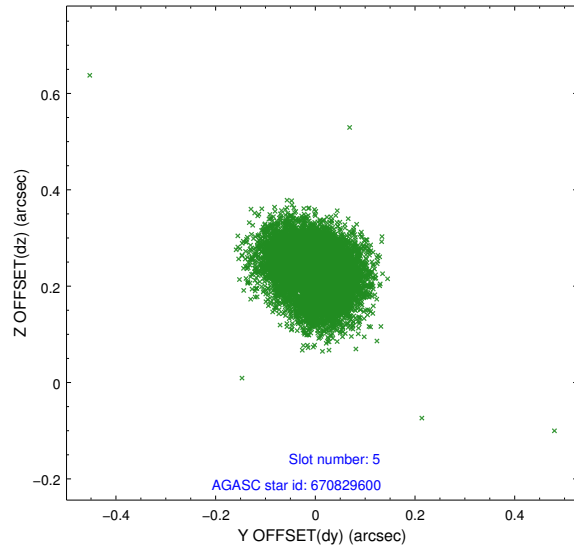


Time (s)

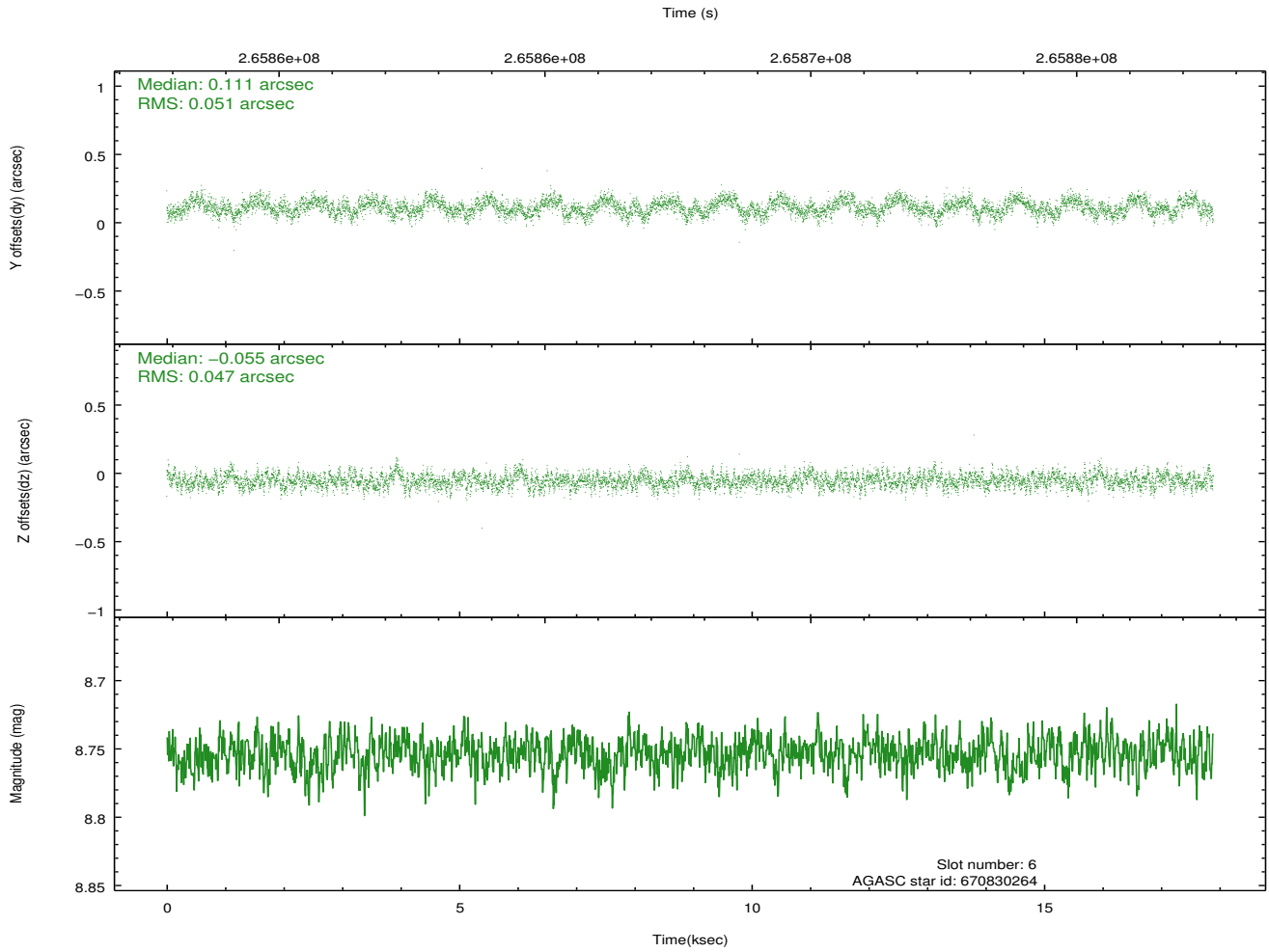
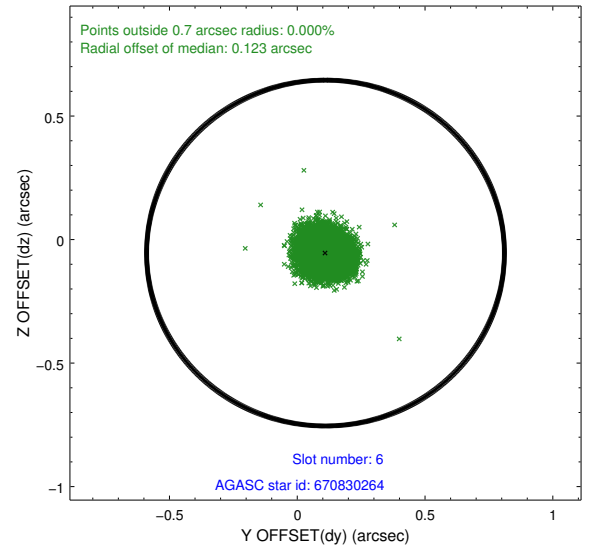
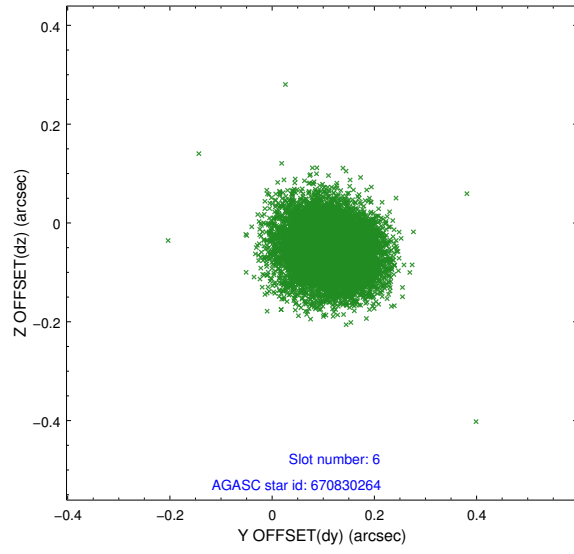




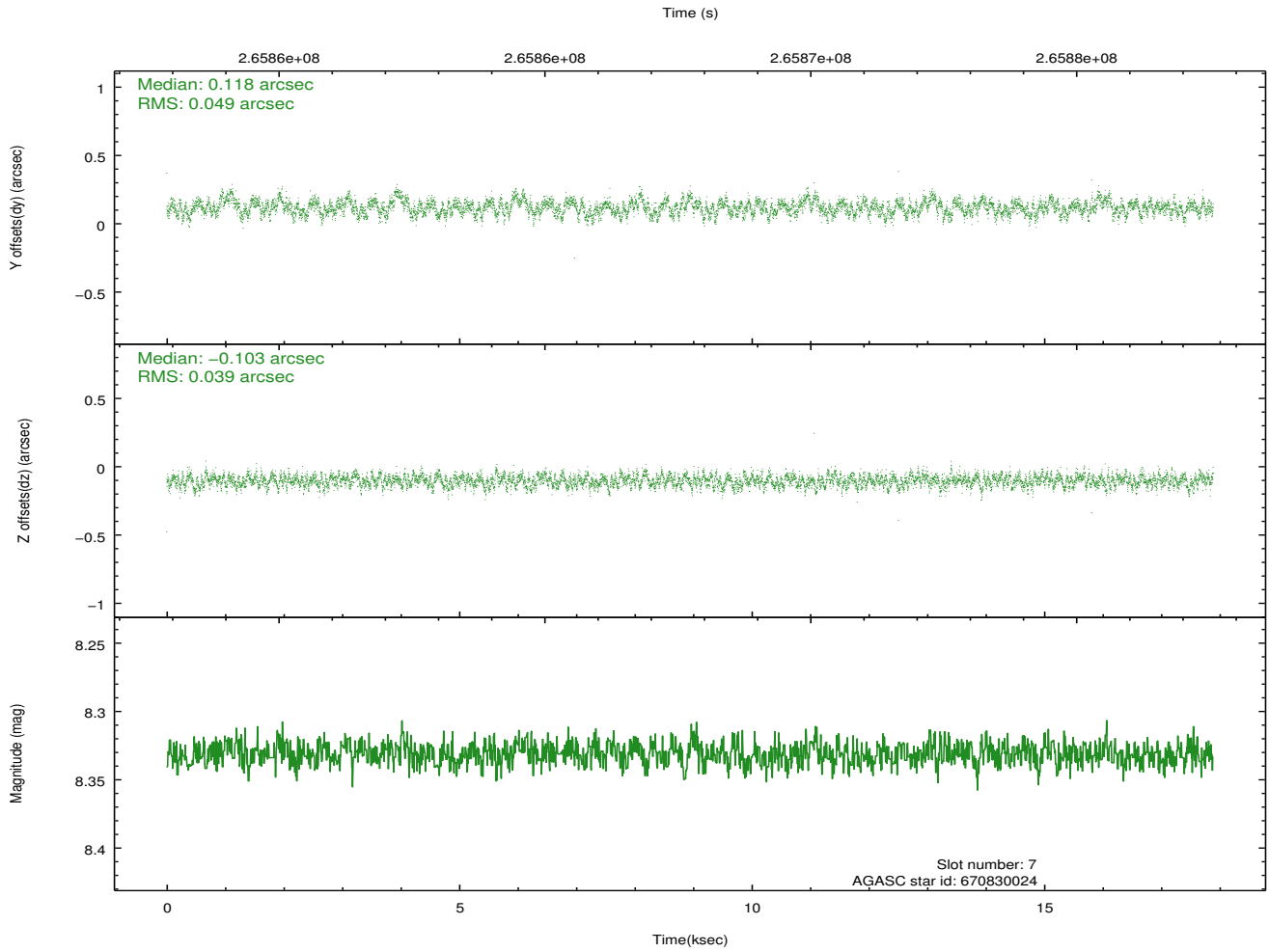
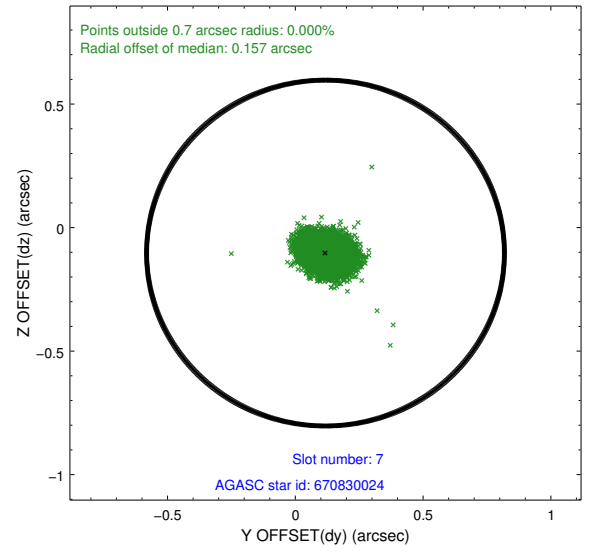
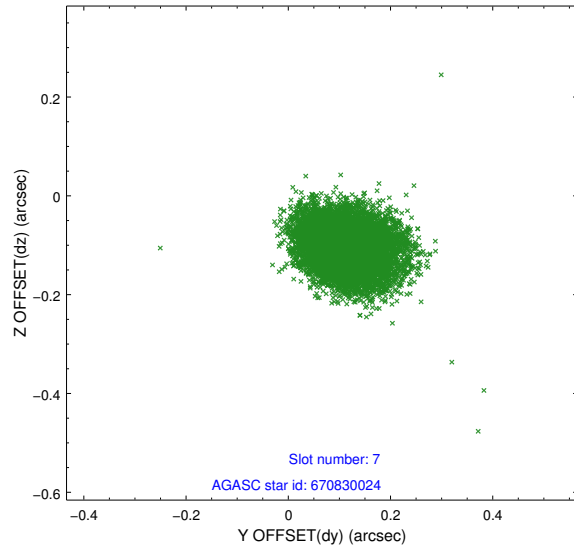
### 2.4.3 Slot 5



## 2.4.4 Slot 6

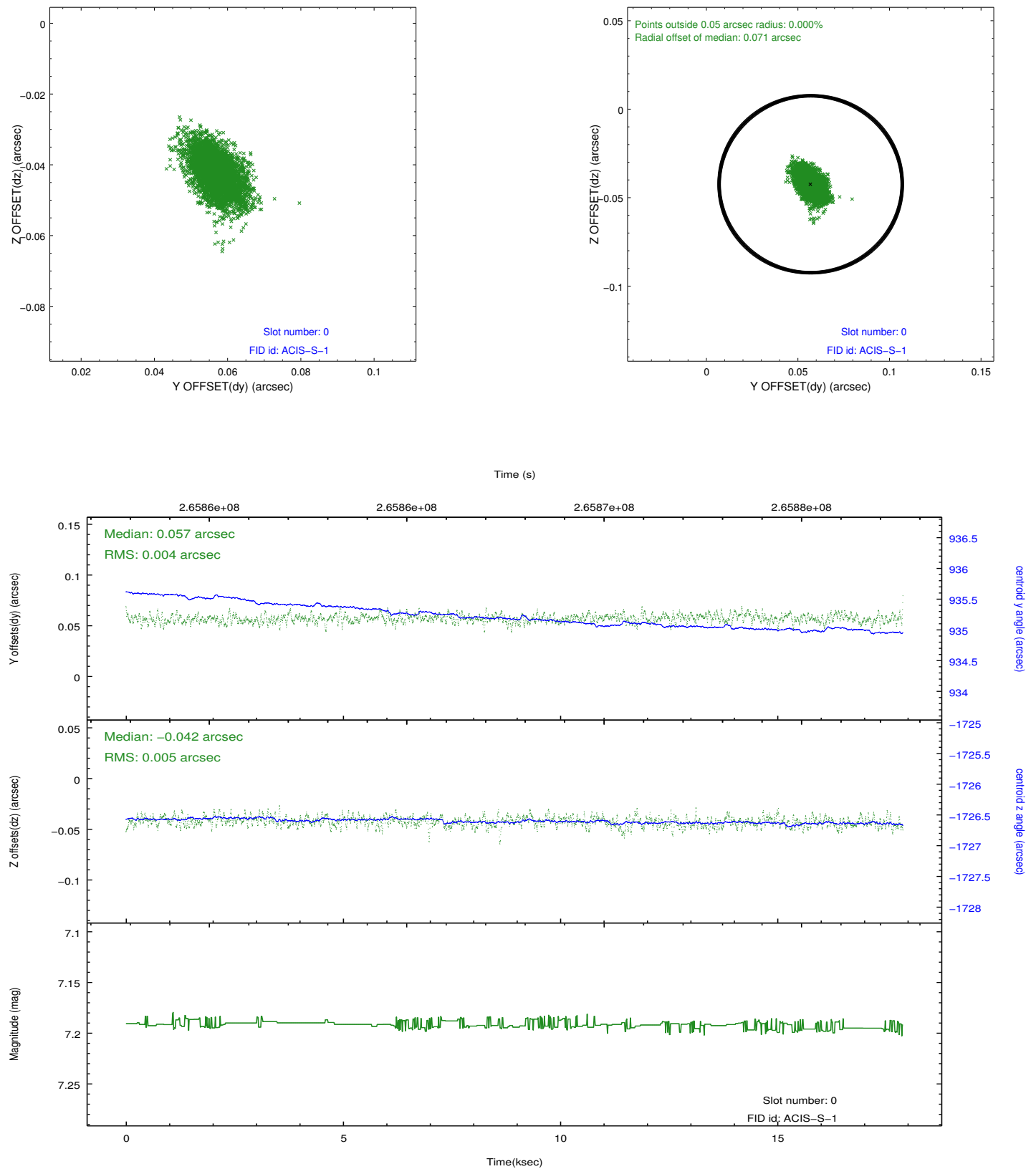


## 2.4.5 Slot 7

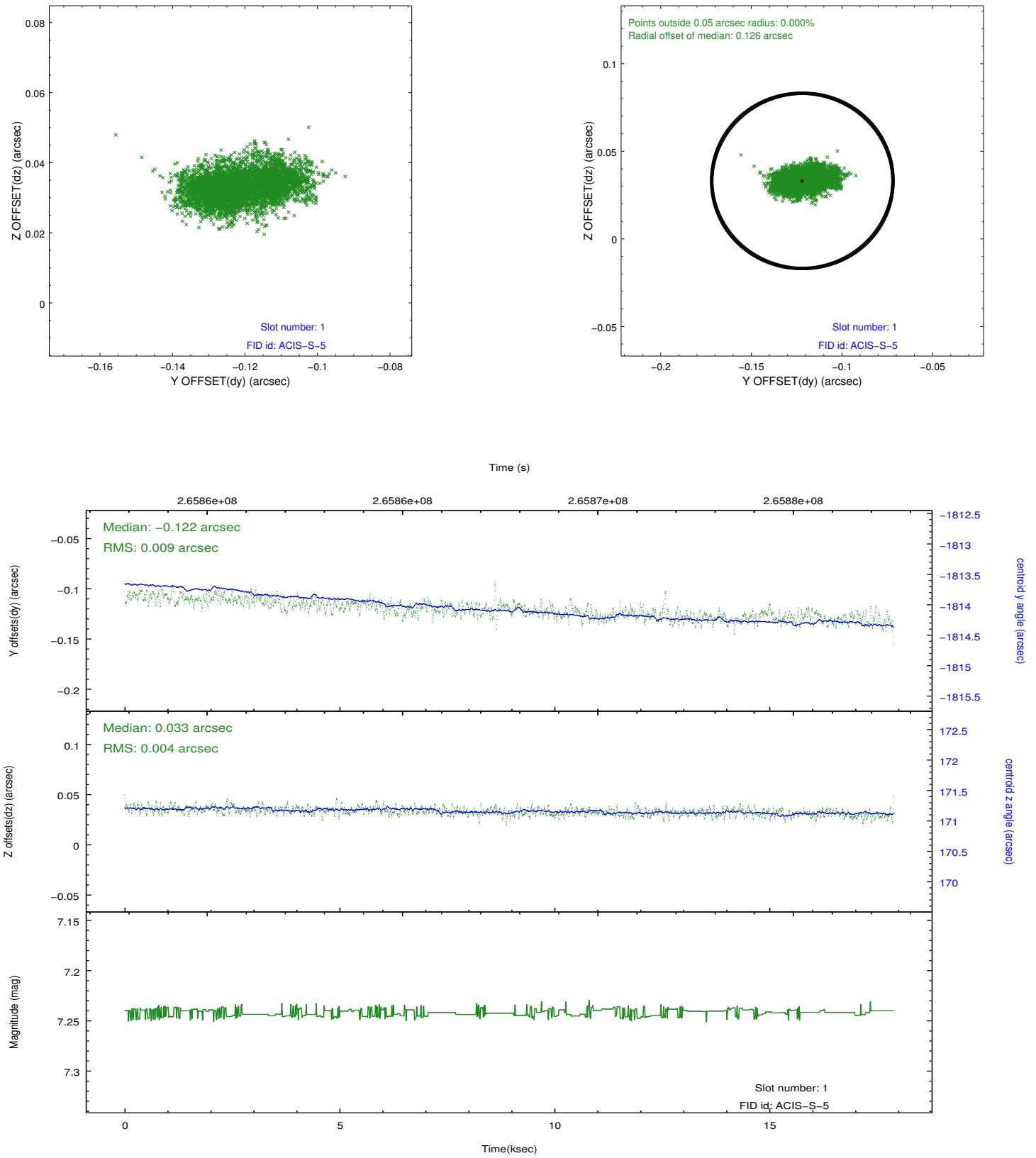


## 2.5 FID Slots

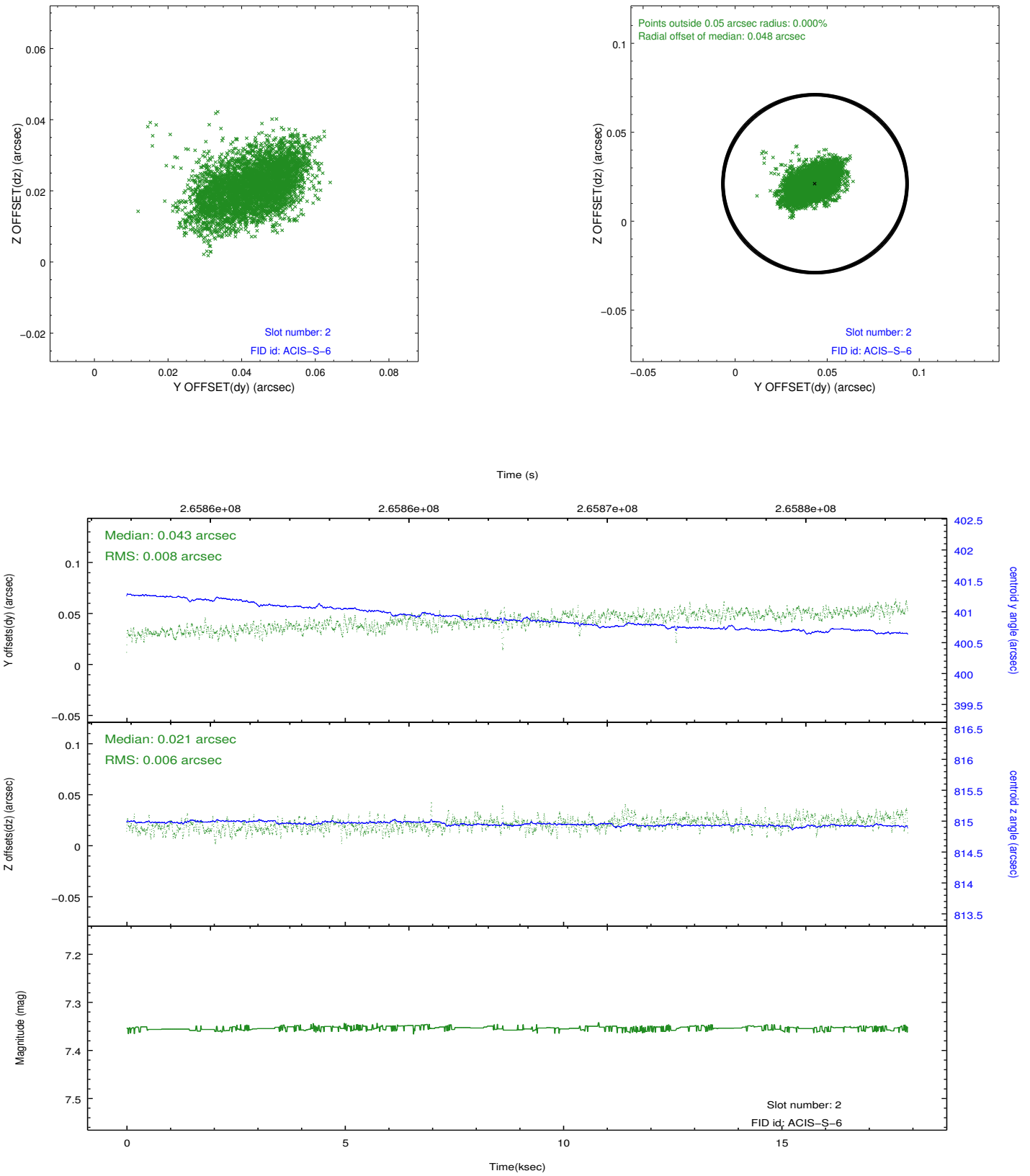
### 2.5.1 Slot 0



## 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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.7552001

### A.2 Comments