

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3236 - L2 Version 3  
Chandra X-Ray Center

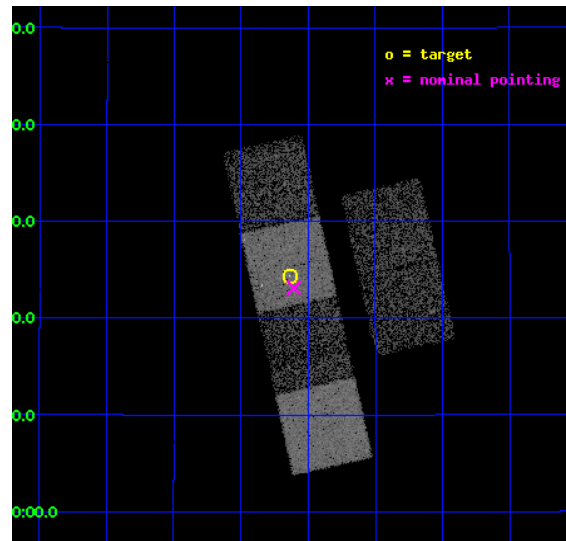
L2 Processing Date : Oct 3 2012

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# 1 Front

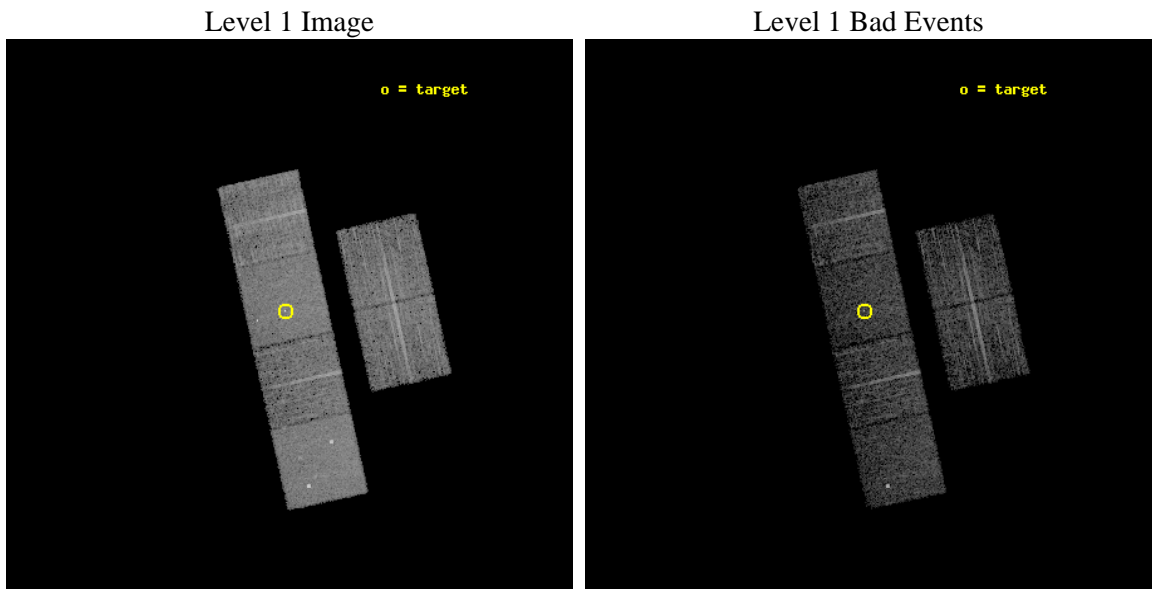
seq_num	800236	Sequence number
obs_id	3236	Observation id
title	SEARCH FOR HOT PRIMORDIAL GAS IN A FAILED CLUSTER OF GALAXIES CANDIDATE 0806+20	Proposal title
observer	DR KIYOSHI HAYASHIDA	Principal investigator
object	0806+20	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.283333	Observer's specified target RA [deg]
dec_targ	20.405556	Observer's specified target Dec [deg]
ra_nom	122.27662080329	Nominal RA [deg]
dec_nom	20.385549101491	Nominal Dec [deg]
roll_nom	257.51969474752	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4588.1533257365	Sum of GTIs [s]
livetime	4530.0553656718	Livetime [s]
ontime2	4588.1943657398	Sum of GTIs [s]
ontime3	4588.0302057415	Sum of GTIs [s]
ontime5	4588.1122857332	Sum of GTIs [s]
ontime6	4588.0712457448	Sum of GTIs [s]
ontime7	4588.1533257365	Sum of GTIs [s]
ontime8	4587.9891657382	Sum of GTIs [s]
l2events	52108	Number of level 2 events



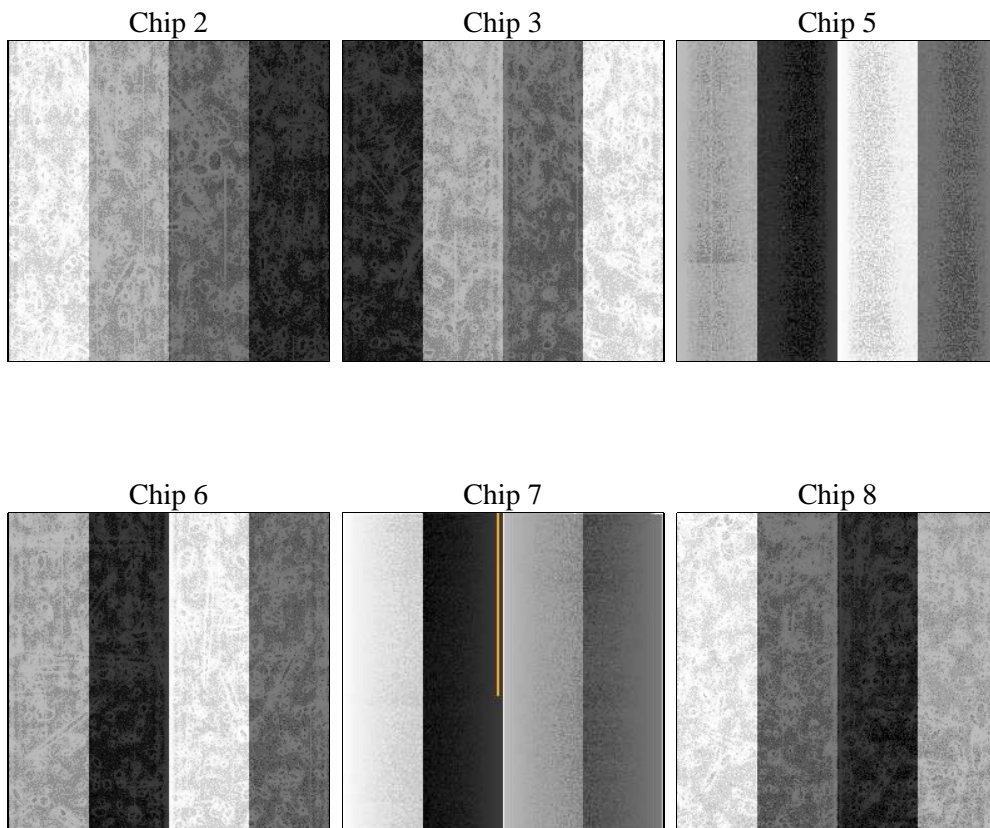
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4588.1533257365	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime2	4588.1943657398	Sum of GTIs [s]
date	2012-10-03T02:35:48	Date and time of file creation	ontime3	4588.0302057415	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4588.1122857332	Sum of GTIs [s]
			ontime6	4588.0712457448	Sum of GTIs [s]
			ontime7	4588.1533257365	Sum of GTIs [s]
			ontime8	4587.9891657382	Sum of GTIs [s]
			l1events	231200	Number of level 1 events

### 2.1.4 Events

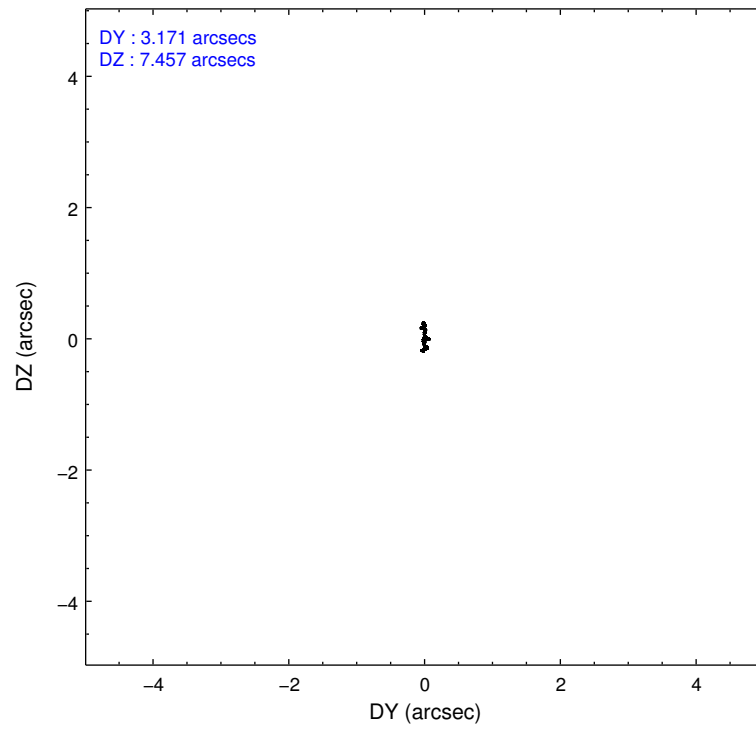
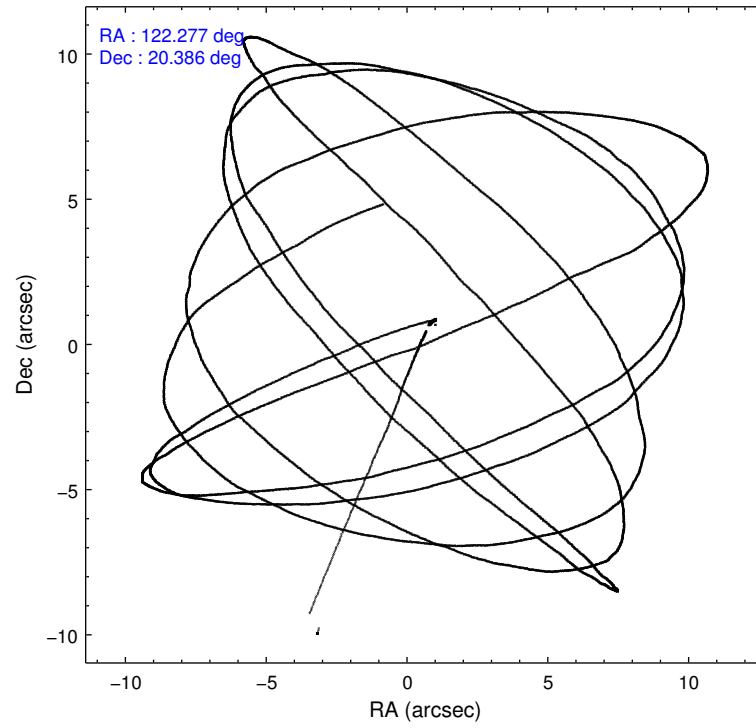
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34013	32424	46688	31813	42862	43400	grade 0 events	1738	1605	2639	1613	2121	3759
rejected events	29986	28578	25190	27723	24061	32066		5%	4%	5%	5%	4%	8%
rejected %	88%	88%	53%	87%	56%	73%	grade 1 events	14	19	57	10	55	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	865	836	6420	929	3773	2124
								2%	2%	13%	2%	8%	4%
							grade 3 events	337	347	835	365	1655	1542
								0%	1%	1%	1%	3%	3%
							grade 4 events	354	331	886	375	1696	1371
								1%	1%	1%	1%	3%	3%
							grade 5 events	1092	1123	3965	1348	4090	1774
								3%	3%	8%	4%	9%	4%
							grade 6 events	735	728	10737	813	9572	2538
								2%	2%	22%	2%	22%	5%
							grade 7 events	28878	27435	21149	26360	19900	30253
								84%	84%	45%	82%	46%	69%

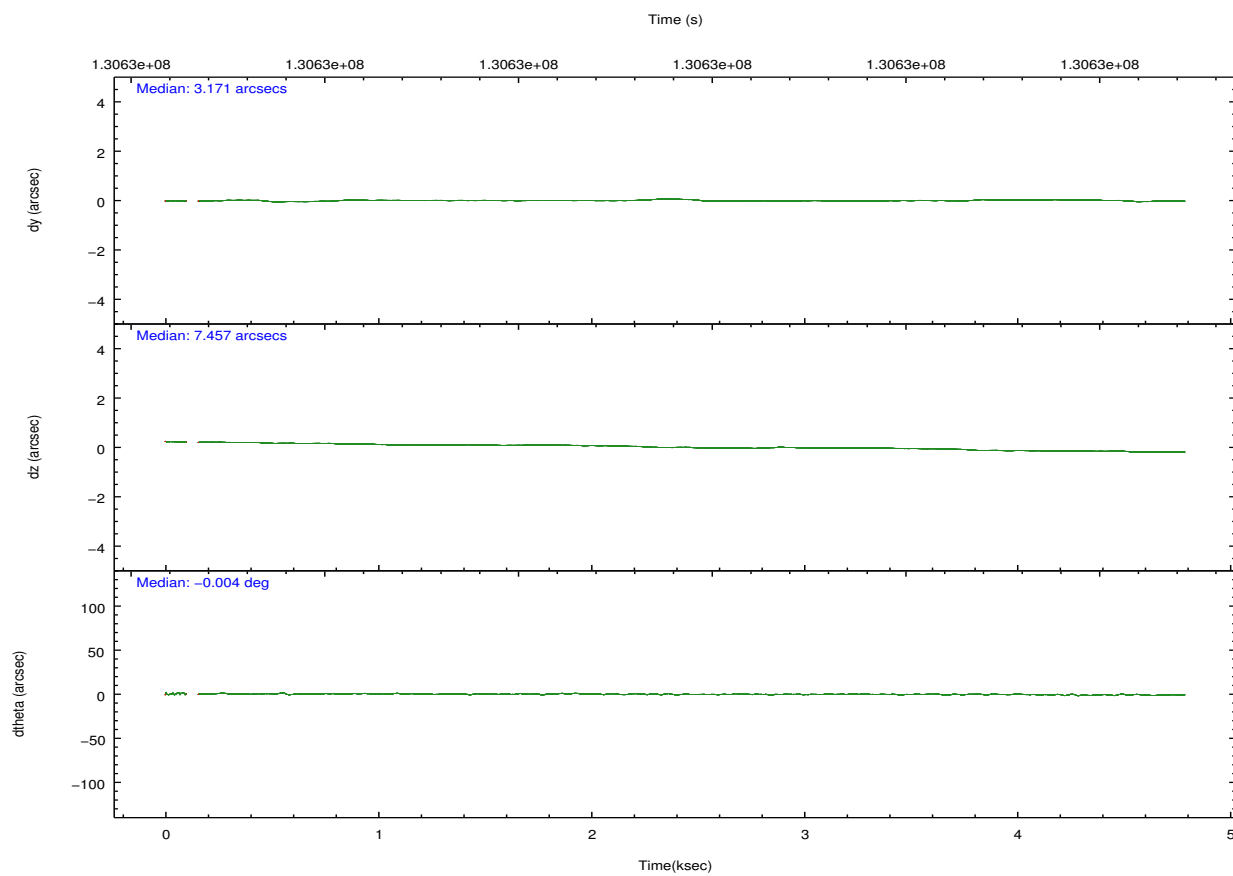
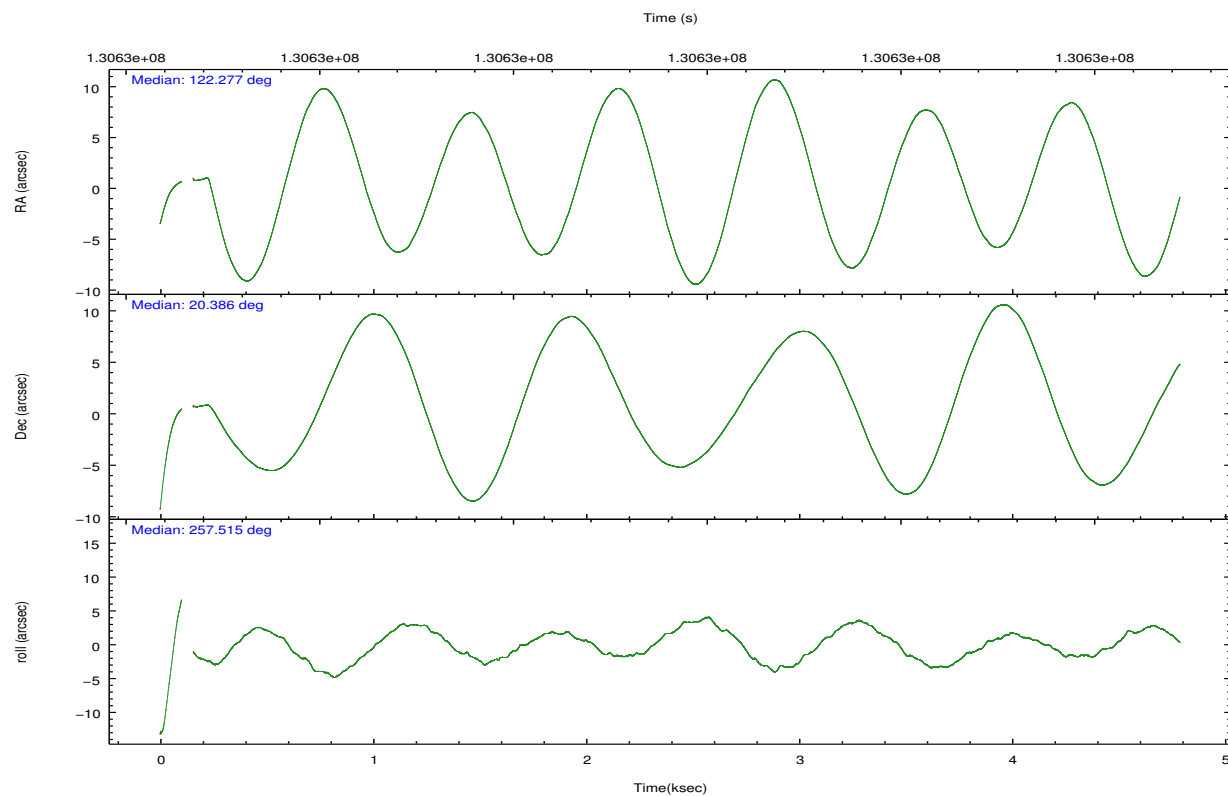


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	122.267648	122.2766208032927	Subarray requested	NONE	NONE
[deg] Pointing Dec	20.411580	20.38554910149145	Alternating exposures requested	N	N
[deg] Pointing Roll	257.366234	257.5196947475192	[s] Primary exposure time	0.000000	3.2
[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)	130627602.184000	130626619.68893			
Observation start date	2002-02-20T21:25:38	2002-02-20T21:10:19			
[s] Observation end time (MET)	130632202.184000	130632947.01419			
Observation end date	2002-02-20T22:42:18	2002-02-20T22:55:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect



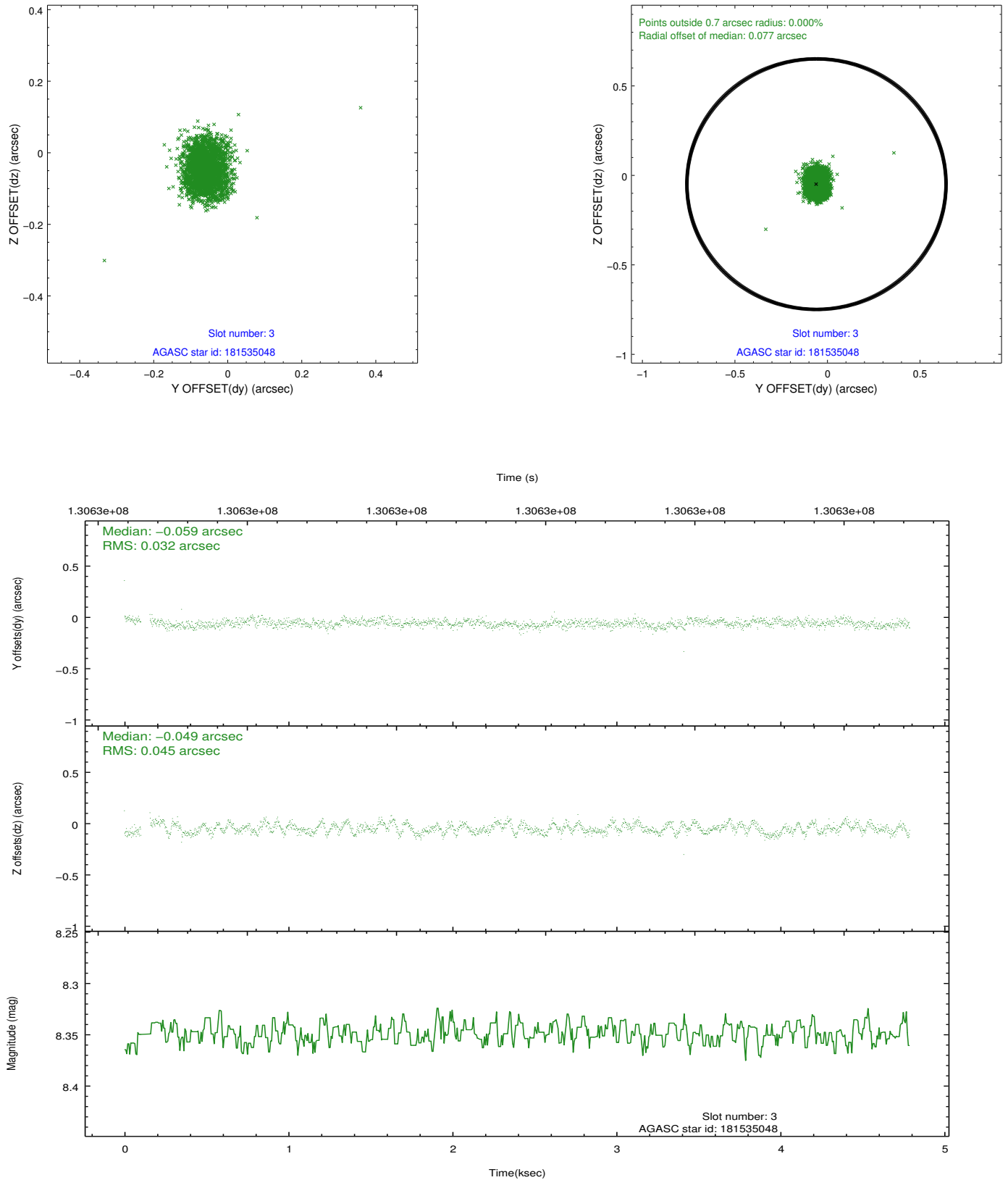


Slot Statistics

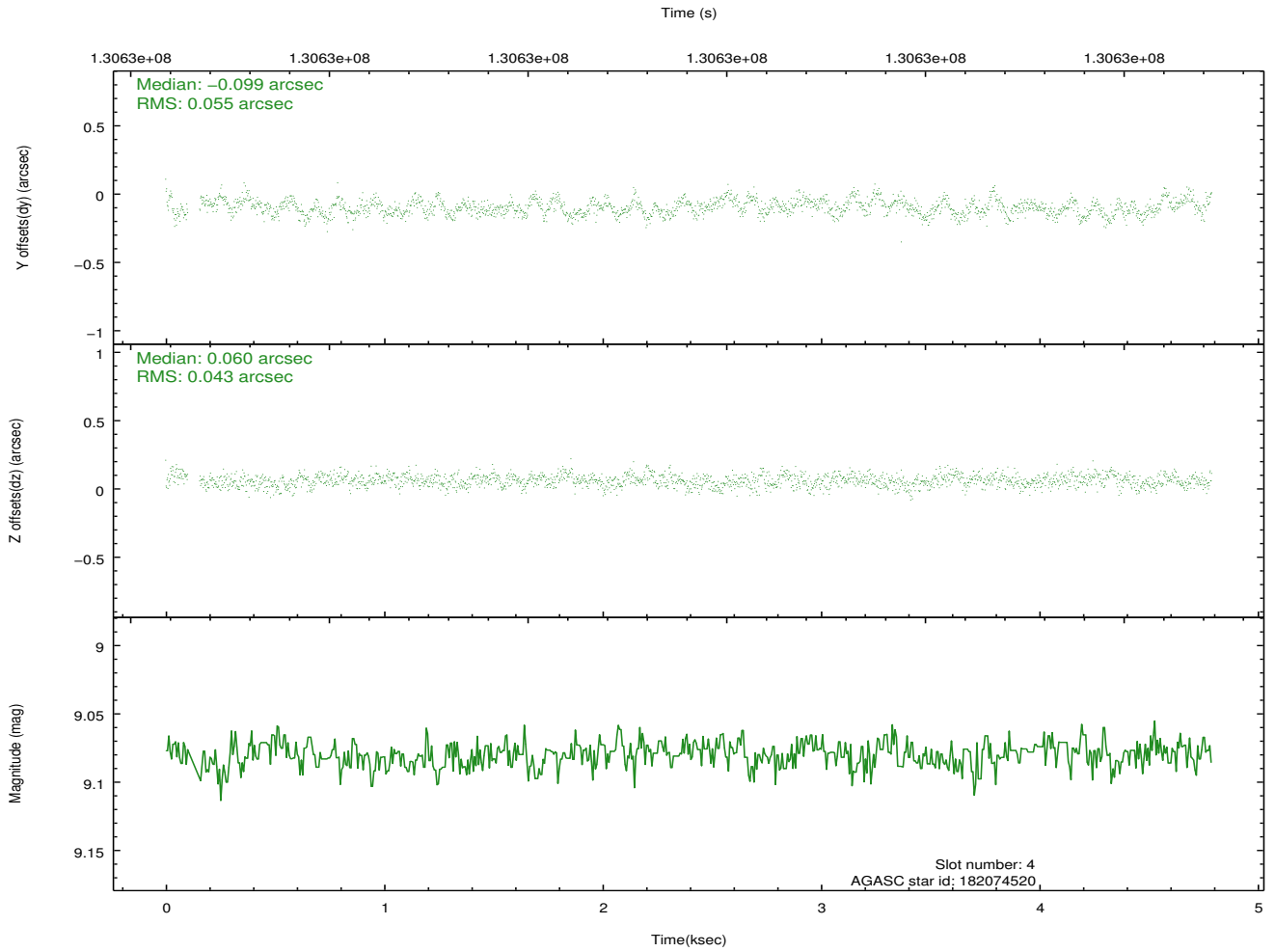
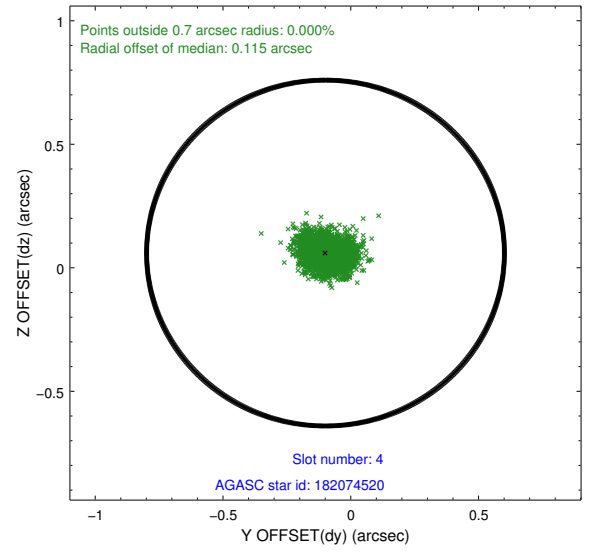
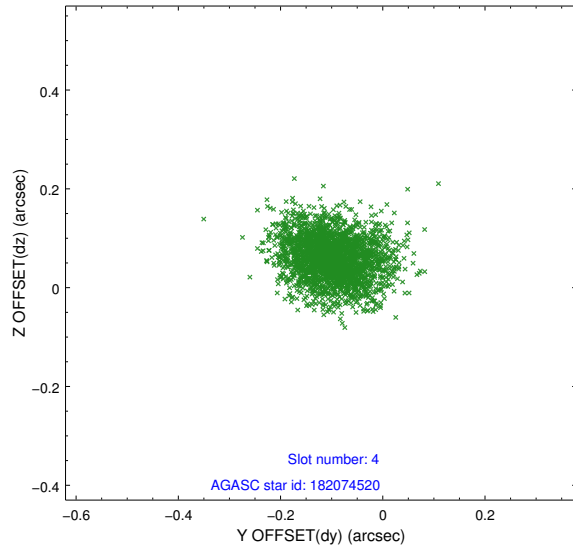
	status	id	mag	n_pts	med_dy	med_dz	drl
	FID	ACIS-S-2	7.11	1156	-0.004	0.006	0.007
	FID	ACIS-S-4	7.20	1155	-0.033	0.001	0.006
	FID	ACIS-S-5	7.24	1155	0.006	0.003	0.007
	GUIDE	181535048	8.35	2310	-0.059	-0.049	0.058
	GUIDE	182074520	9.08	2310	-0.099	0.060	0.074
	GUIDE	181541704	8.92	2310	0.117	-0.073	0.073
	GUIDE	181412272	7.83	2310	0.040	0.061	0.060
0.0000.0000.0000.0000000.00000000.000.00							

## 2.4 Star Slots

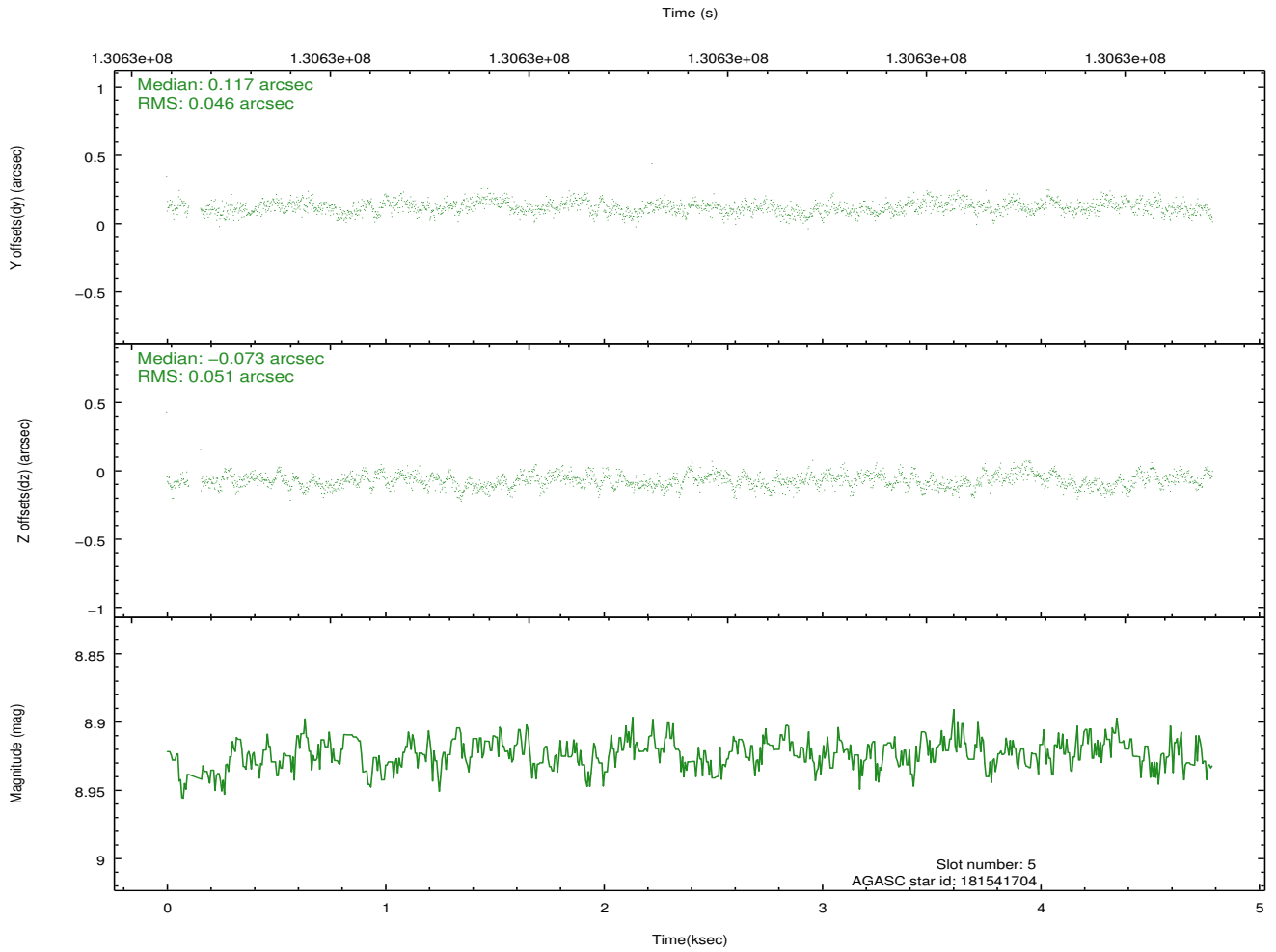
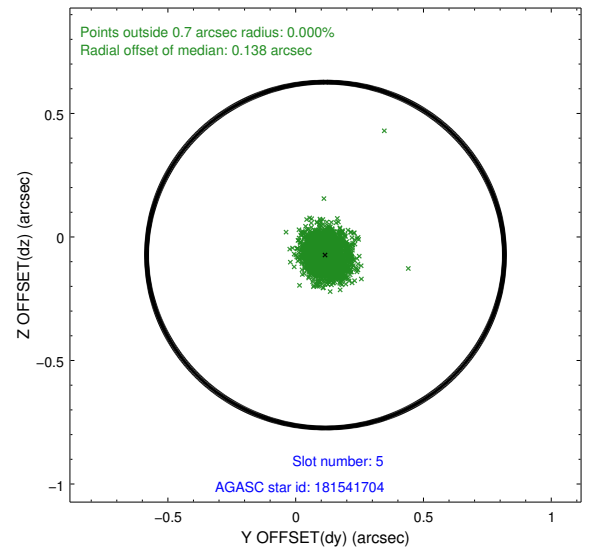
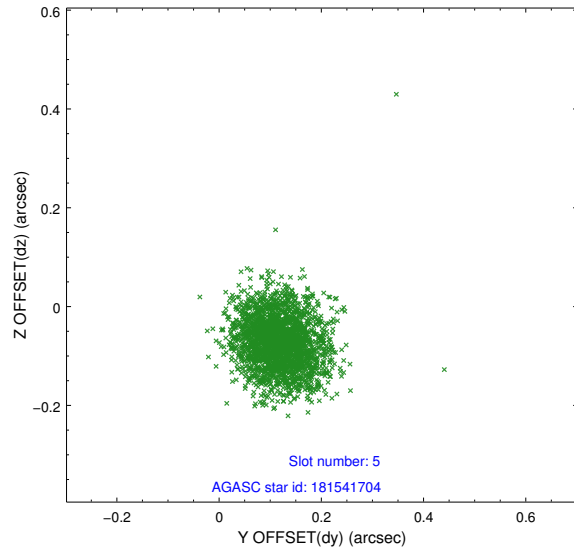
### 2.4.1 Slot 3



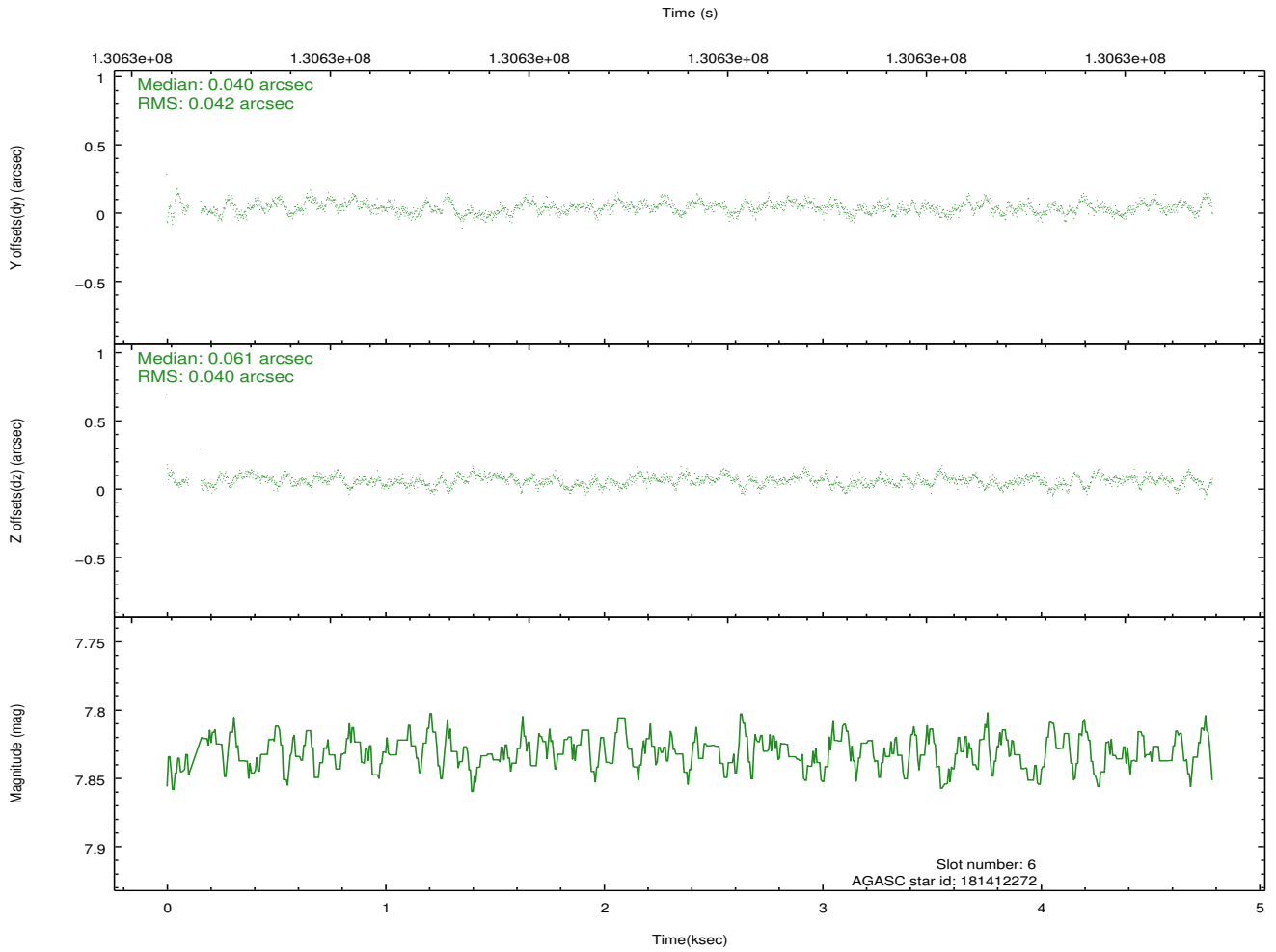
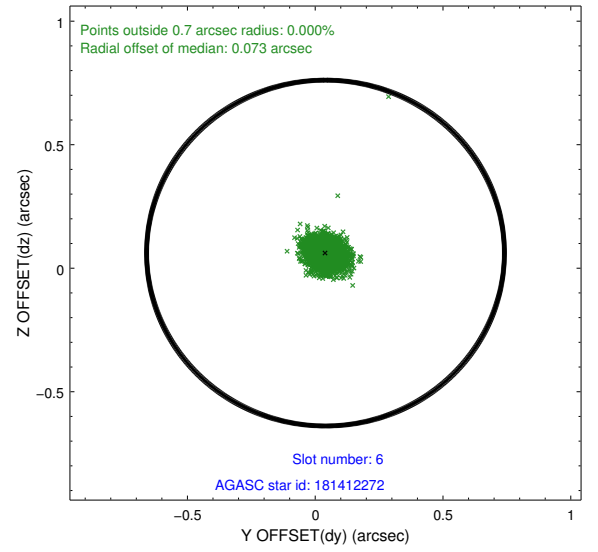
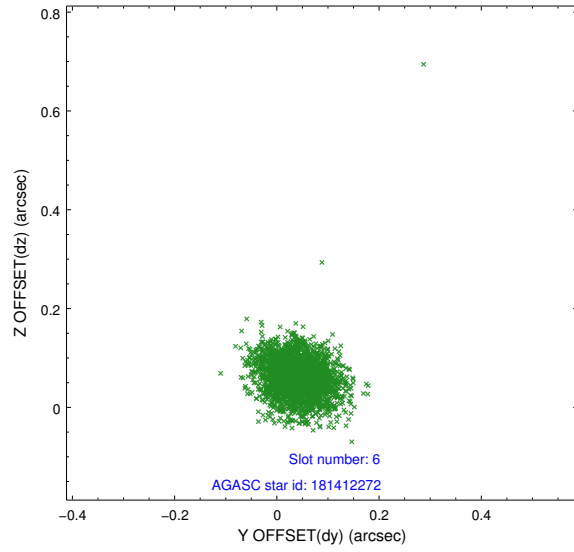
## 2.4.2 Slot 4



### 2.4.3 Slot 5



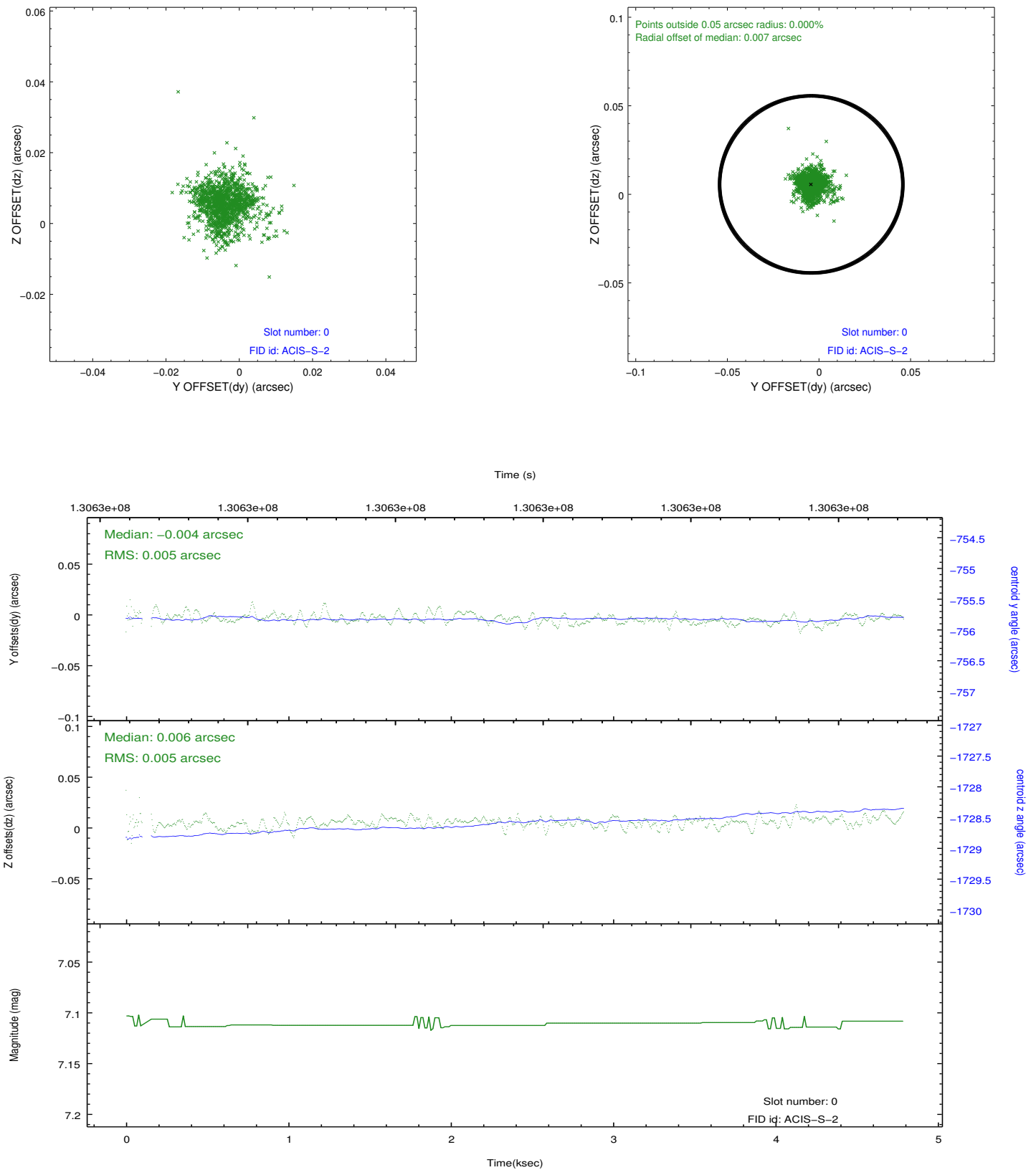
## 2.4.4 Slot 6



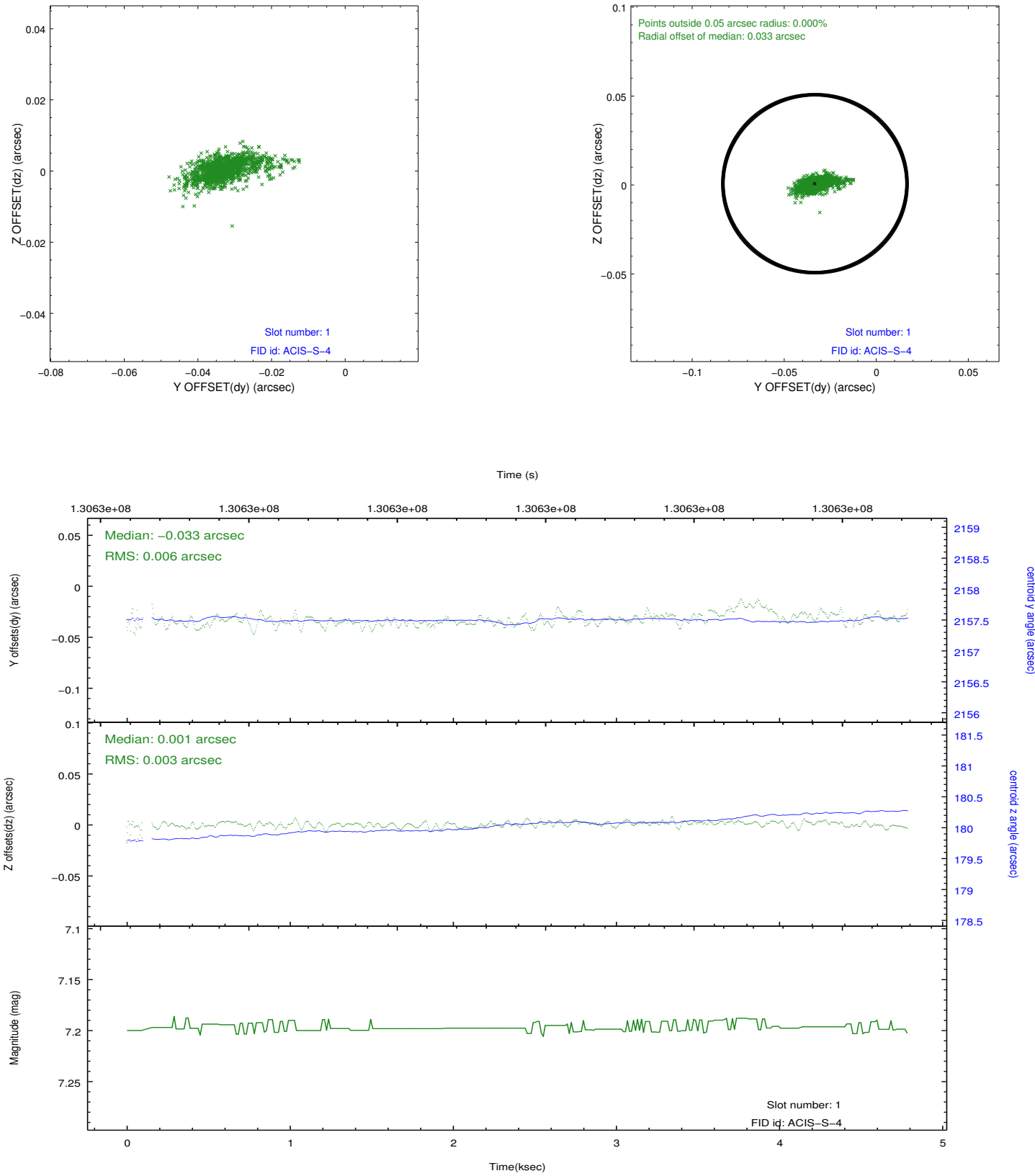


## 2.5 FID Slots

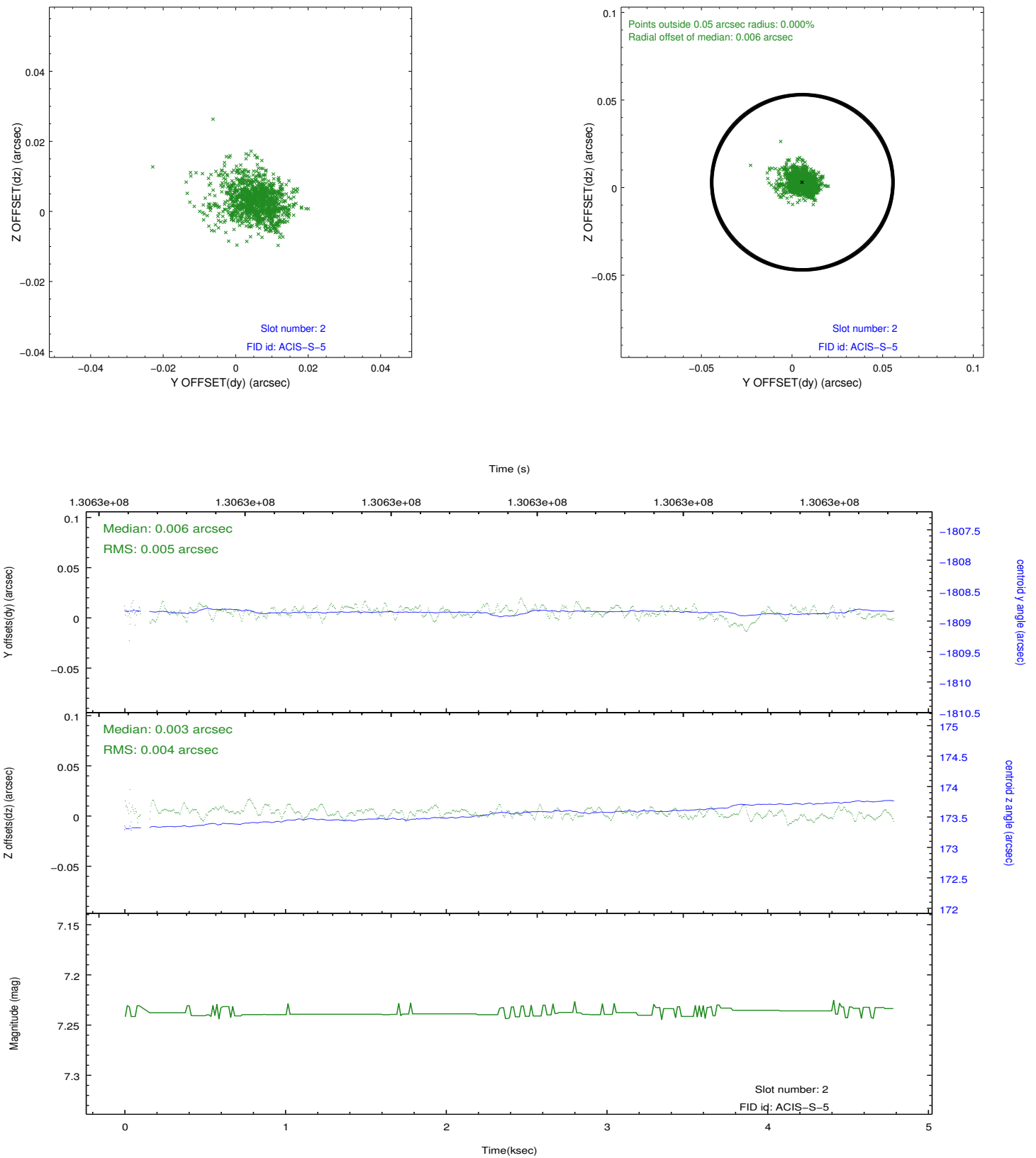
### 2.5.1 Slot 0



## 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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.588

### A.2 Comments