

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9846 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 13 2012

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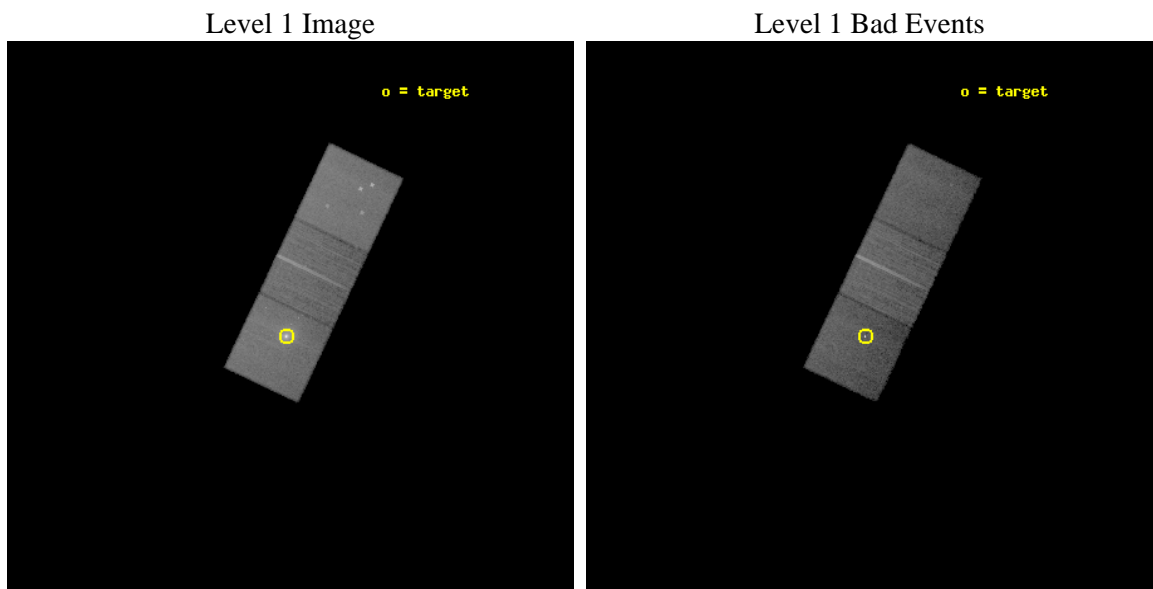




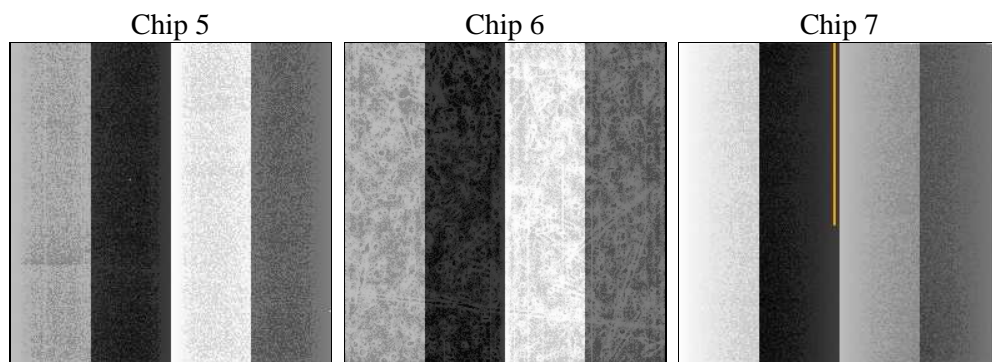
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18194.221000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18336.500141025	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime5	18336.500141025	Sum of GTIs [s]
date	2012-05-13T12:27:04	Date and time of file creation	ontime6	18336.500141025	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	18336.500141025	Sum of GTIs [s]
			l1events	571678	Number of level 1 events

### 2.1.4 Events

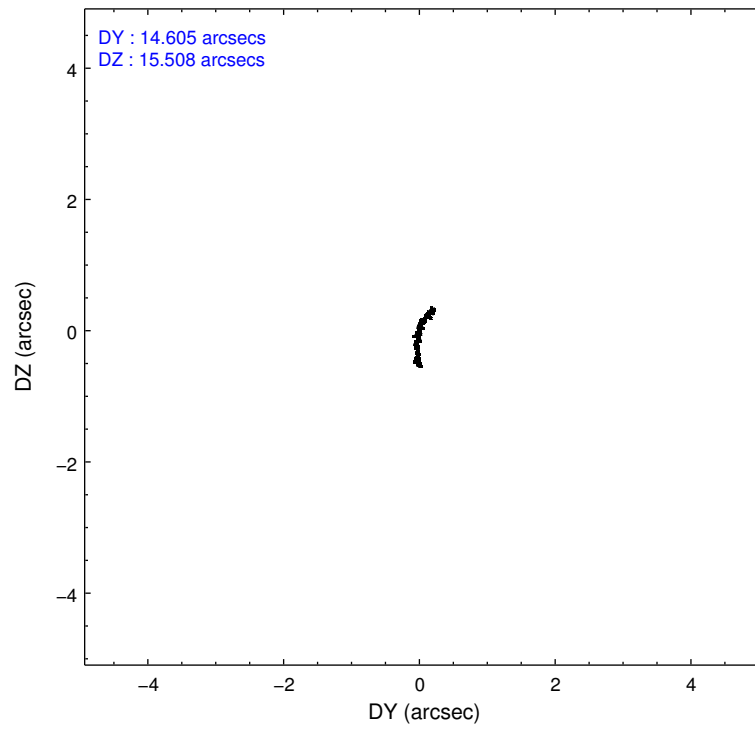
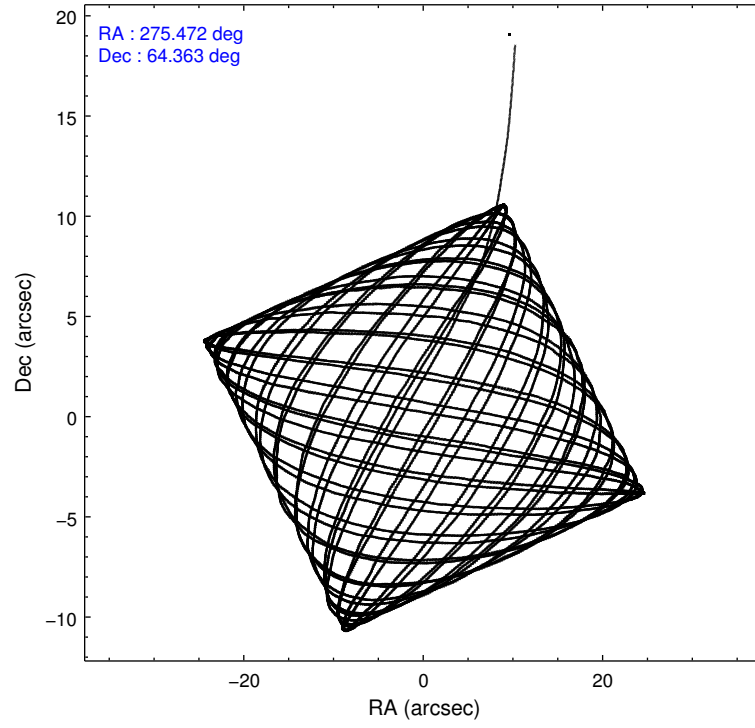
	ccd 5	ccd 6	ccd 7
level 1 events	212760	154145	204773
rejected events	107899	137247	99091
rejected %	50%	89%	48%

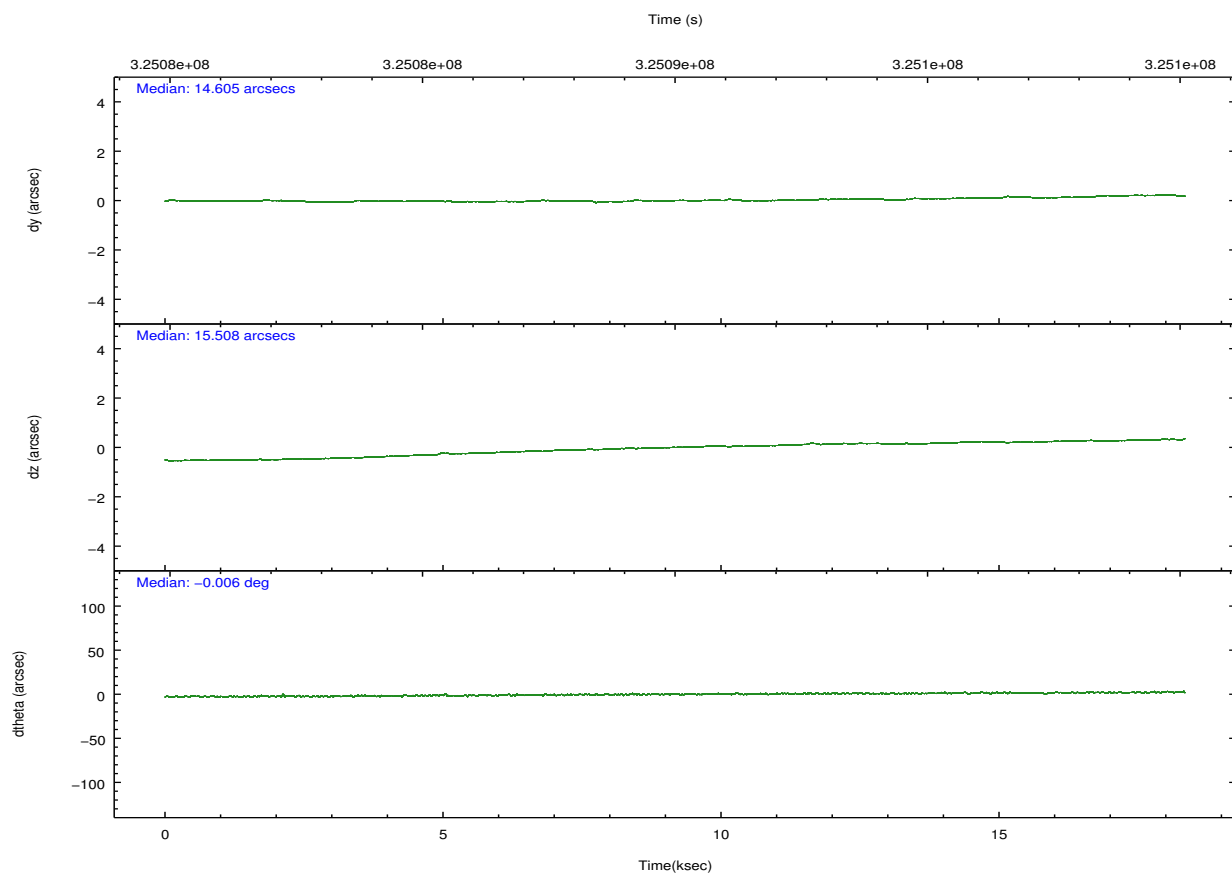
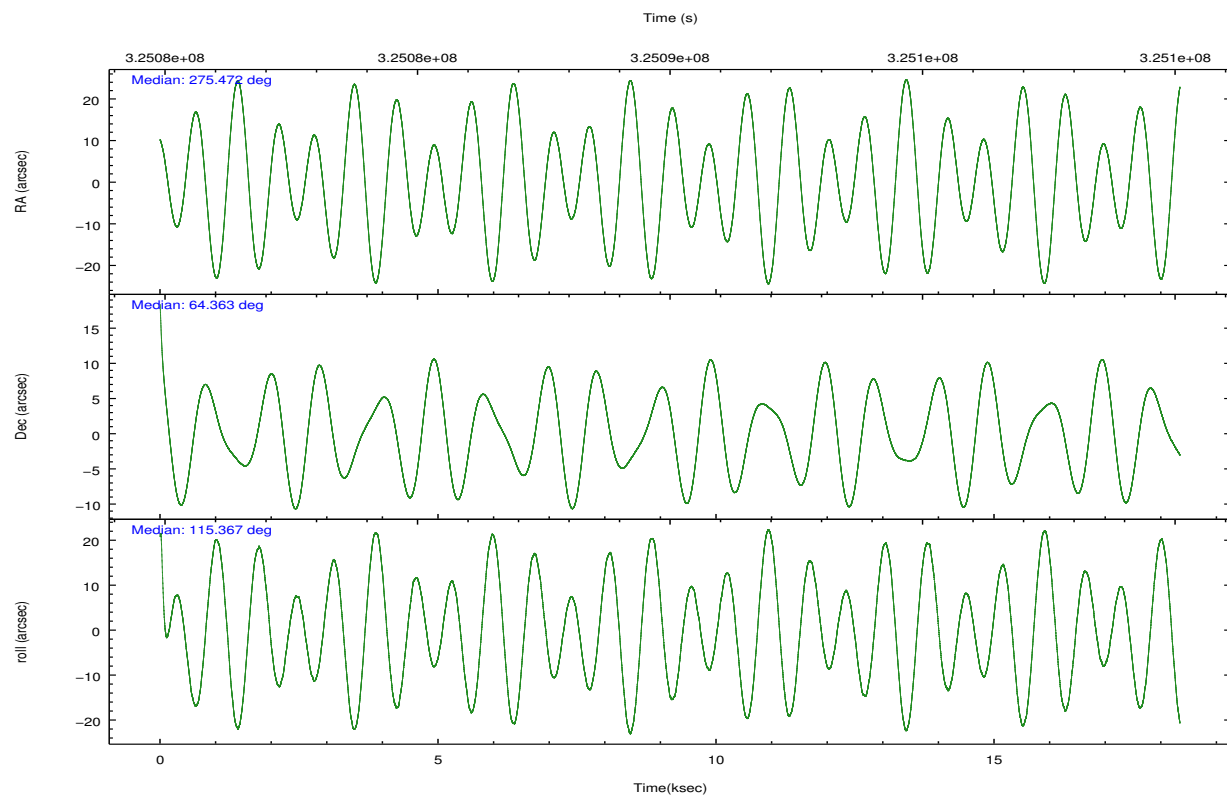
	ccd 5	ccd 6	ccd 7
grade 0 events	12699	6659	16407
	5%	4%	8%
grade 1 events	545	82	385
	0%	0%	0%
grade 2 events	31275	3712	23244
	14%	2%	11%
grade 3 events	4544	1790	10530
	2%	1%	5%
grade 4 events	4474	1741	10433
	2%	1%	5%
grade 5 events	16518	6199	18686
	7%	4%	9%
grade 6 events	55213	3480	47843
	25%	2%	23%
grade 7 events	87492	130482	77245
	41%	84%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-567	ACIS-567	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	275.524529	275.4720636070348	Subarray requested	NONE	NONE
[deg] Pointing Dec	64.347863	64.36310477900179	Alternating exposures requested	N	N
[deg] Pointing Roll	115.168123	115.3720695620575	[s] Primary exposure time	0.000000	3.1
[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)	325080982.184000	325079847.37907			
Observation start date	2008-04-20T12:15:17	2008-04-20T11:57:27			
[s] Observation end time (MET)	325099176.184000	325099397.20502			
Observation end date	2008-04-20T17:18:31	2008-04-20T17:23:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



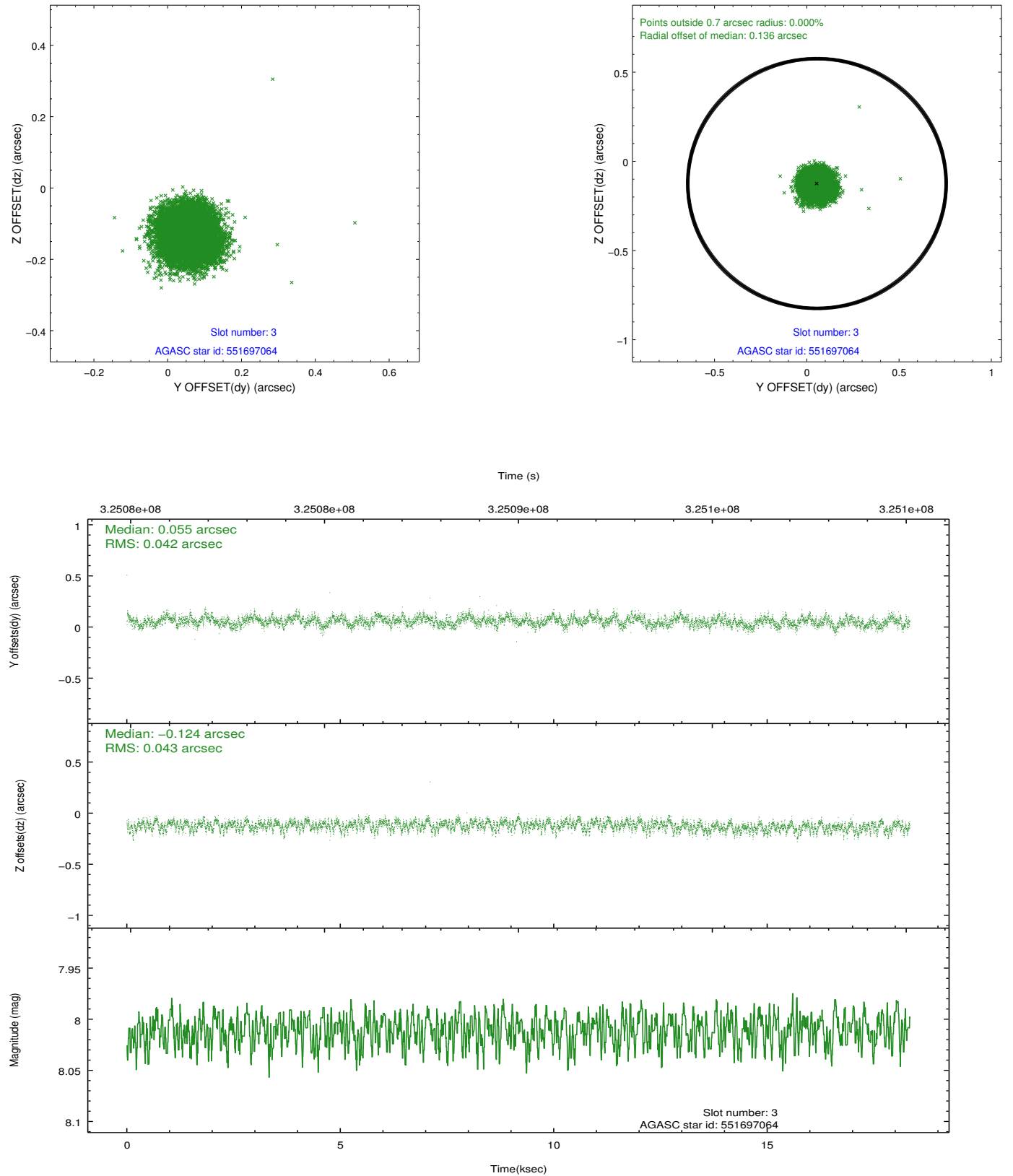


### Slot Statistics

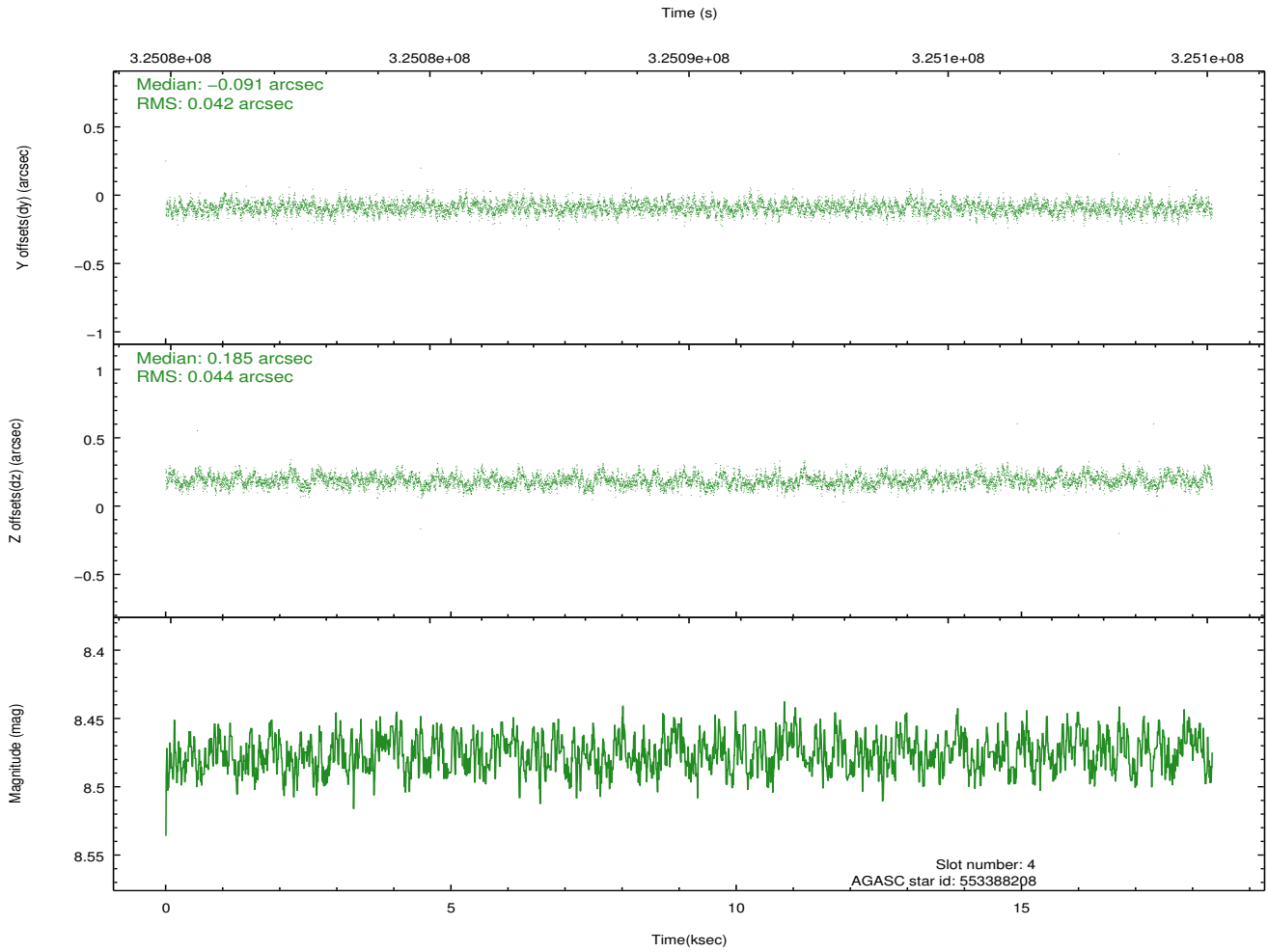
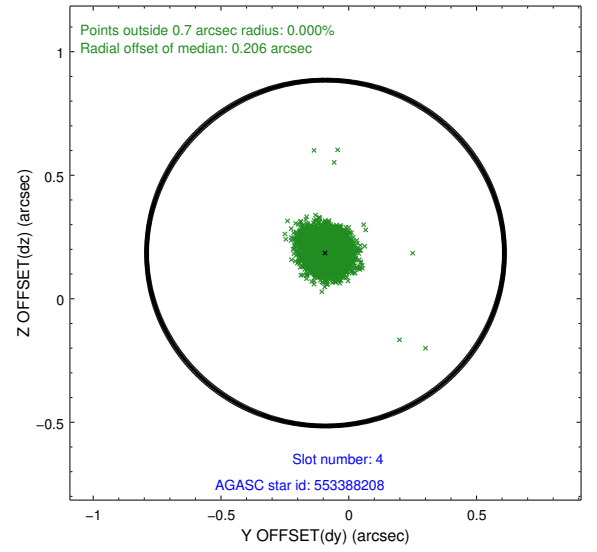
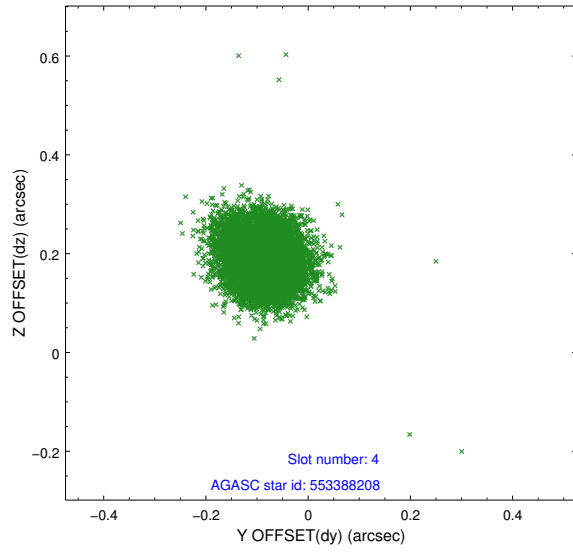
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	4474	0.107	-0.045	0.011	0.020	0.000000	0.000000	928.56	-1732.50
1	FID	ACIS-S-2	6.90	4474	-0.068	0.022	0.015	0.021	0.000000	0.000000	-767.40	-1737.23
2	FID	ACIS-S-5	7.01	4474	-0.063	0.029	0.011	0.017	0.000000	0.000000	-1820.87	164.88
3	GUIDE	551697064	8.01	8947	0.055	-0.124	0.063	0.100	274.138245	64.538359	1554.48	1640.25
4	GUIDE	553388208	8.48	8942	-0.091	0.185	0.064	0.103	276.332157	64.911426	1319.63	-1981.52
5	GUIDE	553402720	7.31	8948	0.004	-0.177	0.064	0.105	275.081751	64.202988	-174.46	848.33
6	GUIDE	553404184	8.64	8945	0.114	-0.036	0.060	0.099	276.556964	64.060570	-1615.03	-1037.12
7	GUIDE	553396016	6.83	8947	-0.088	0.151	0.058	0.098	276.292154	64.838422	1105.88	-1817.28

## 2.4 Star Slots

### 2.4.1 Slot 3

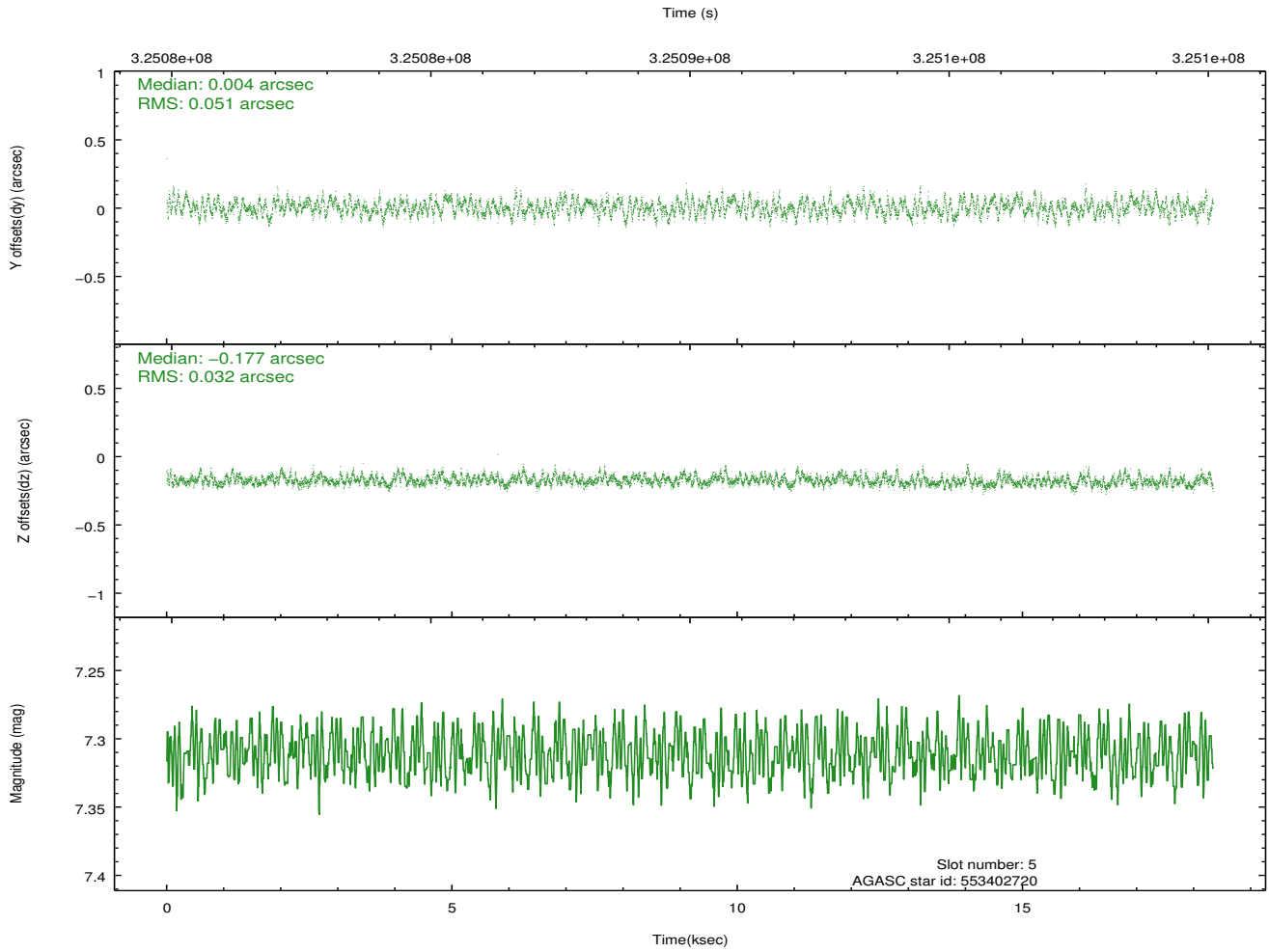
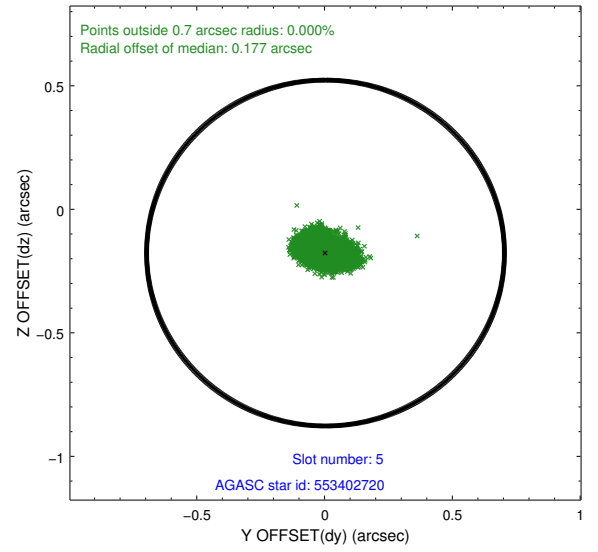
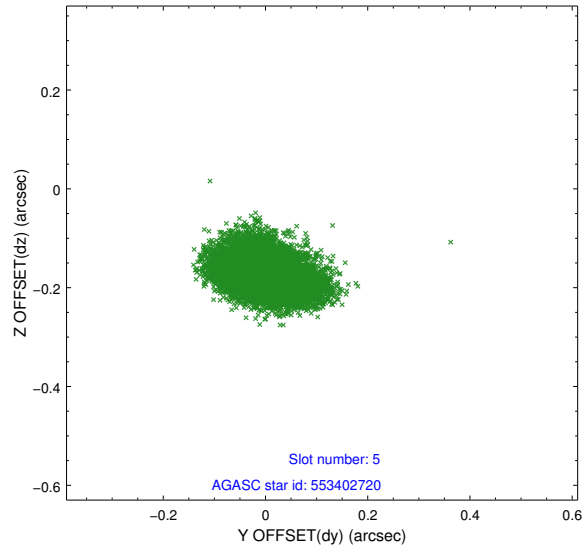


## 2.4.2 Slot 4

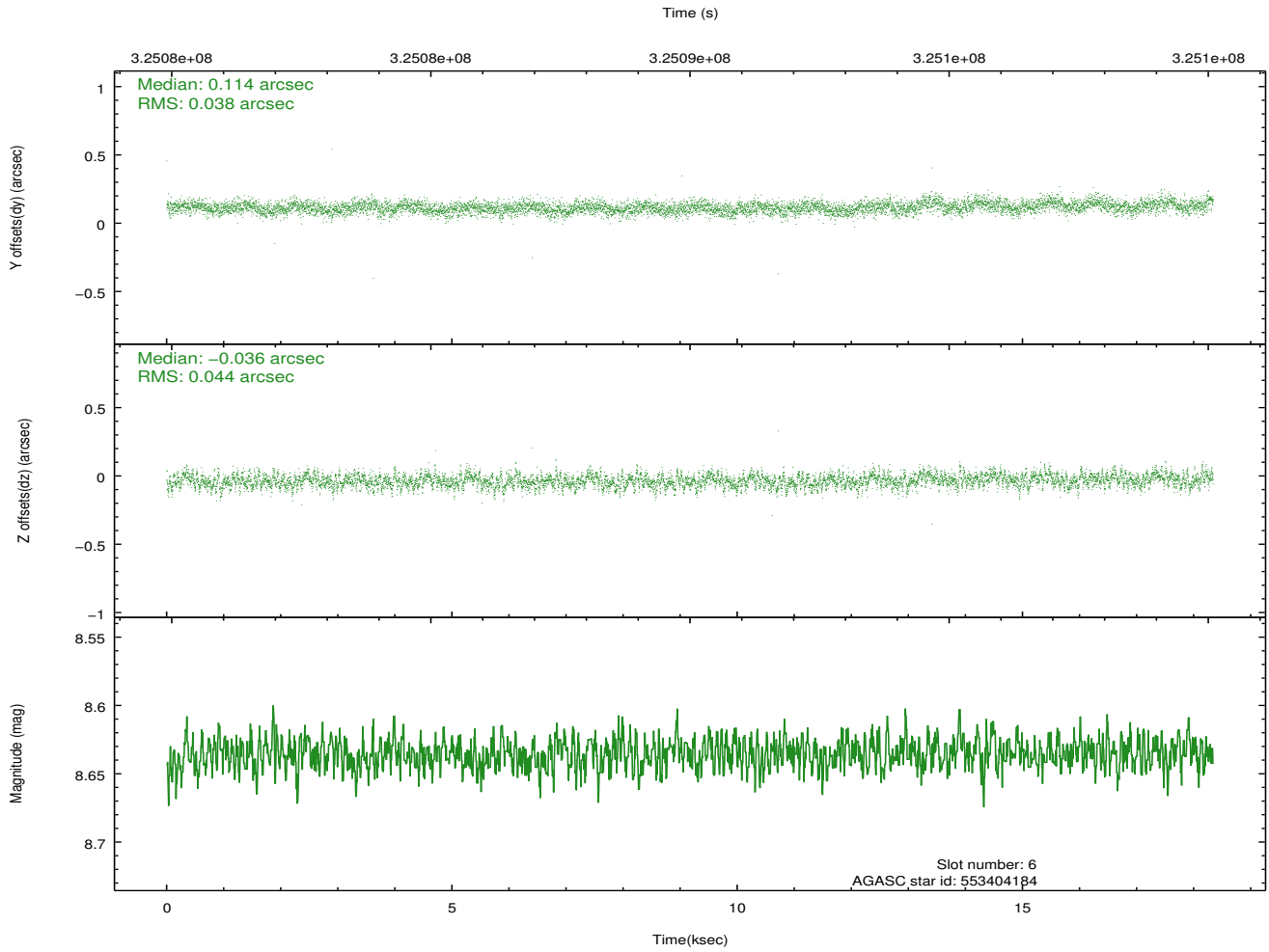
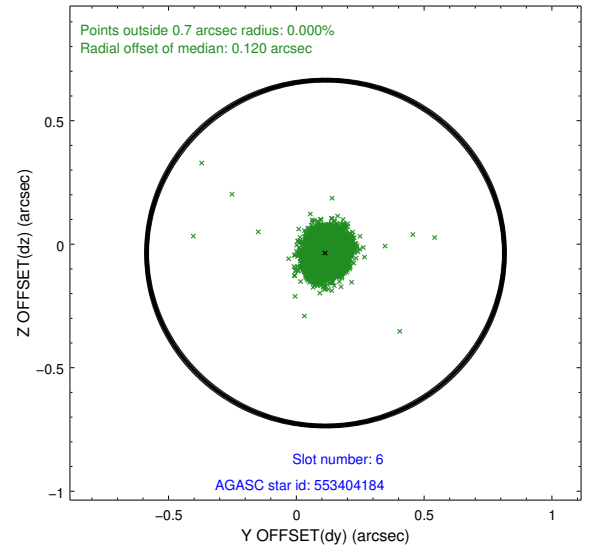
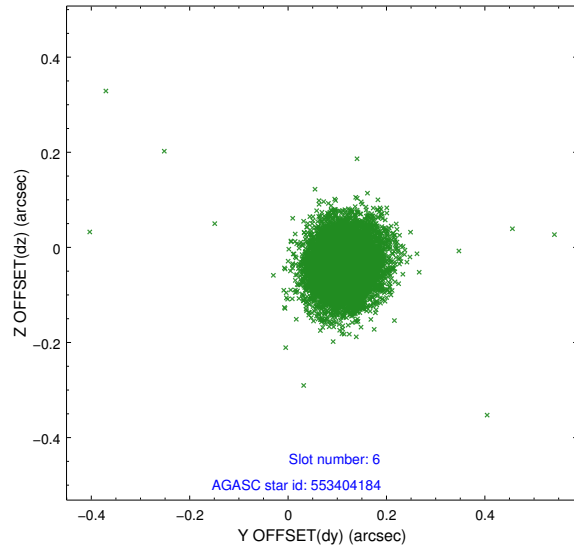




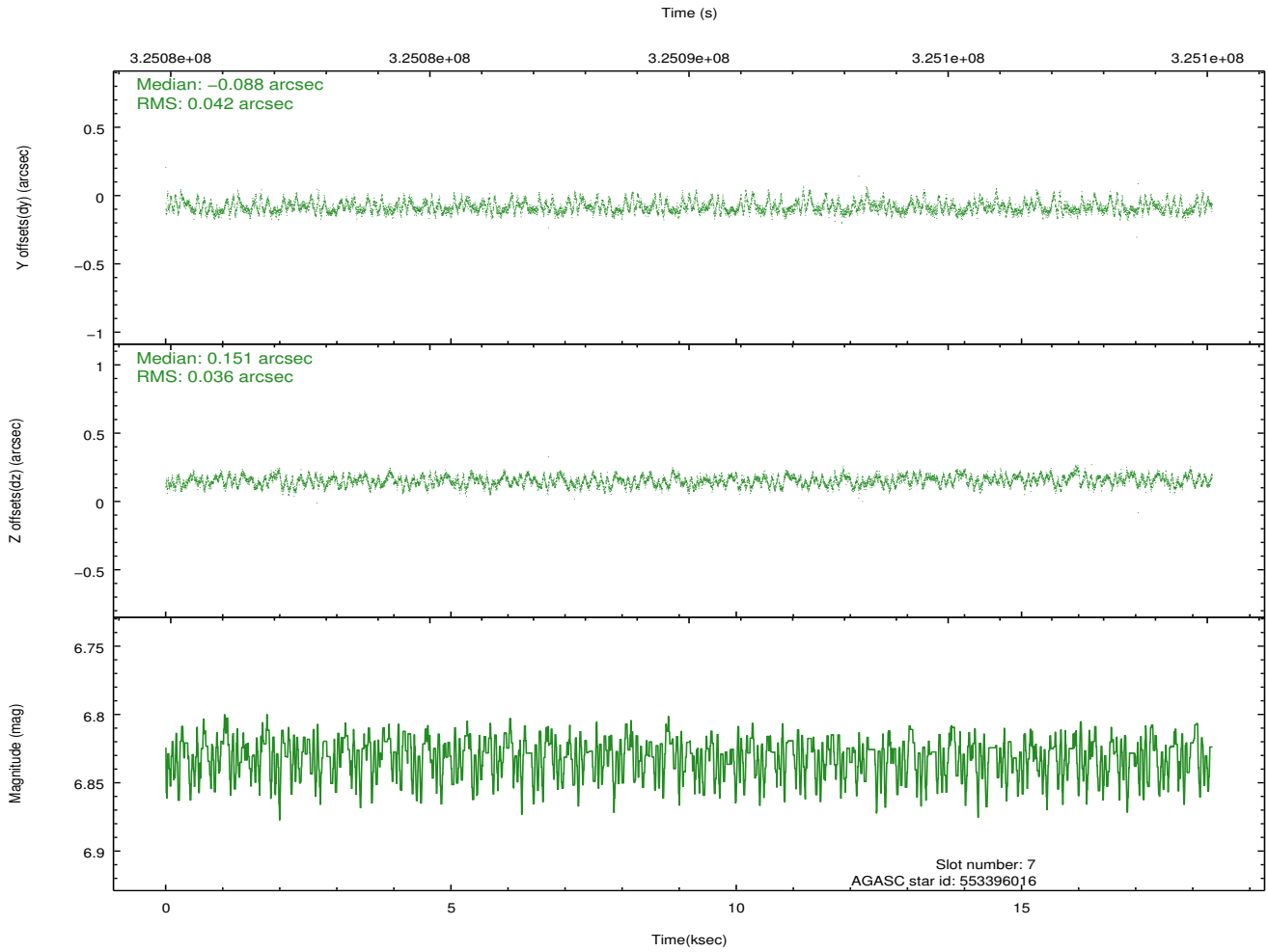
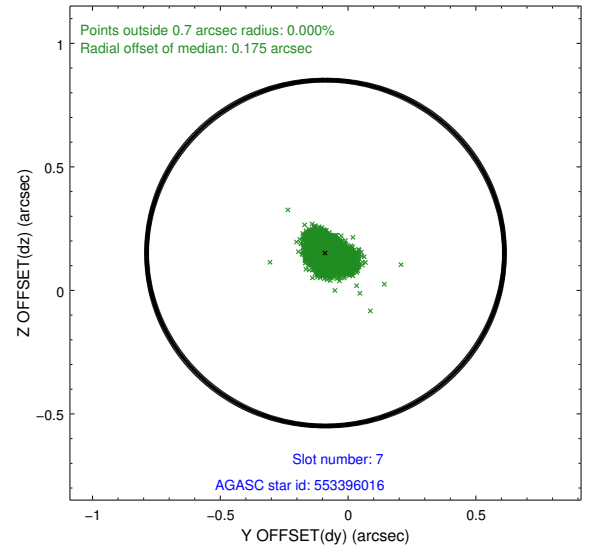
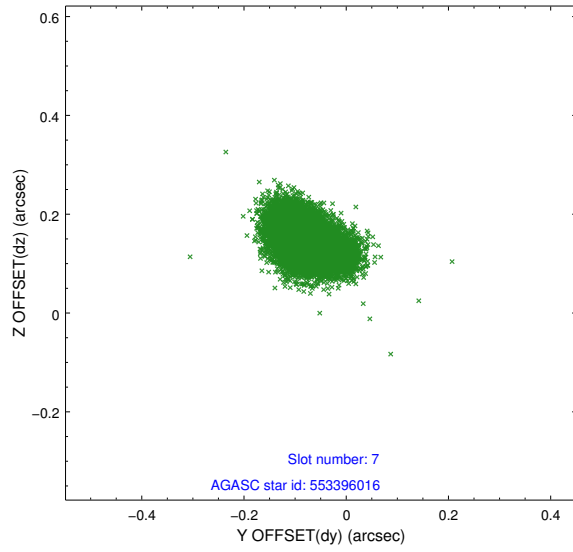
### 2.4.3 Slot 5



## 2.4.4 Slot 6

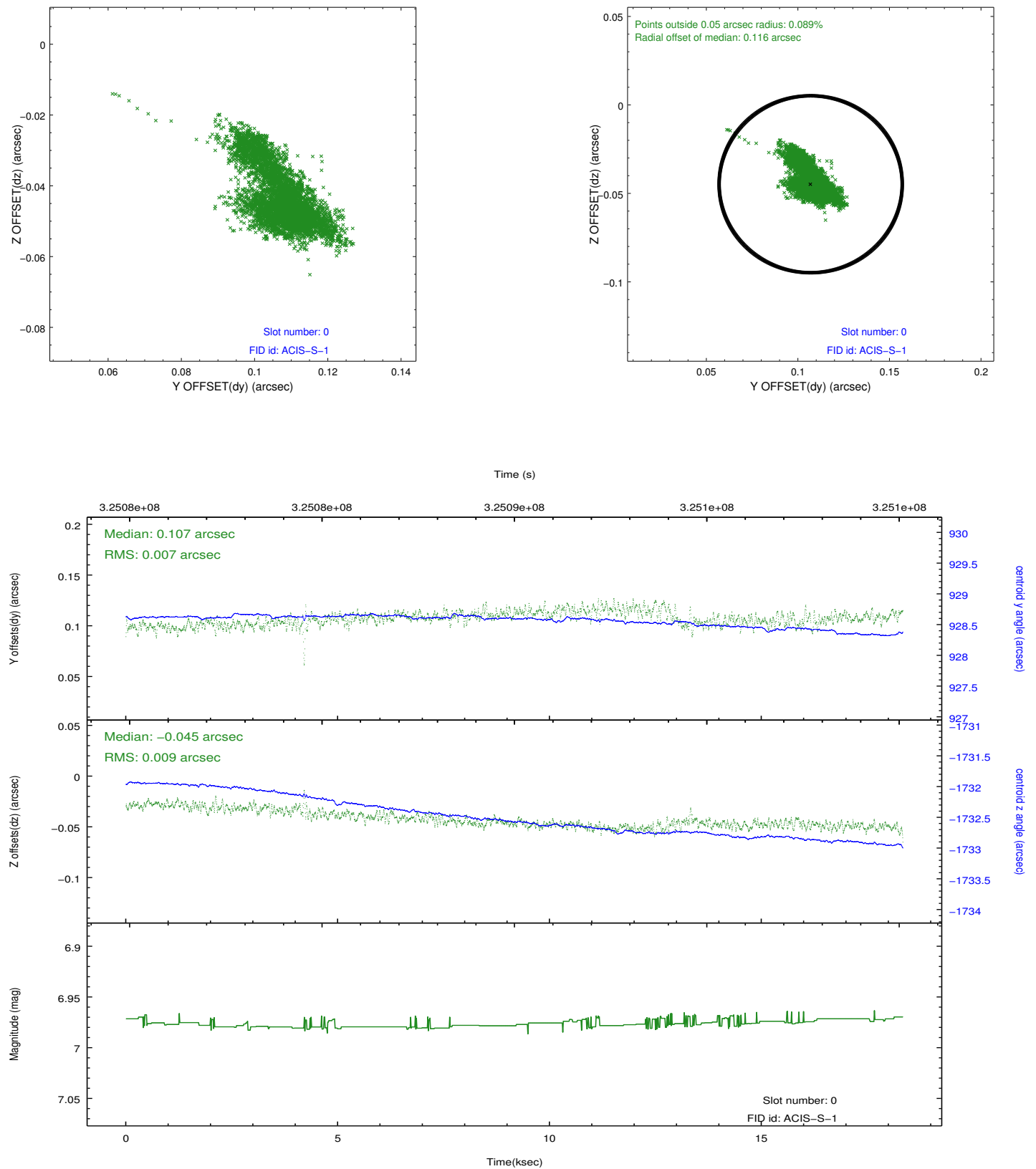


## 2.4.5 Slot 7

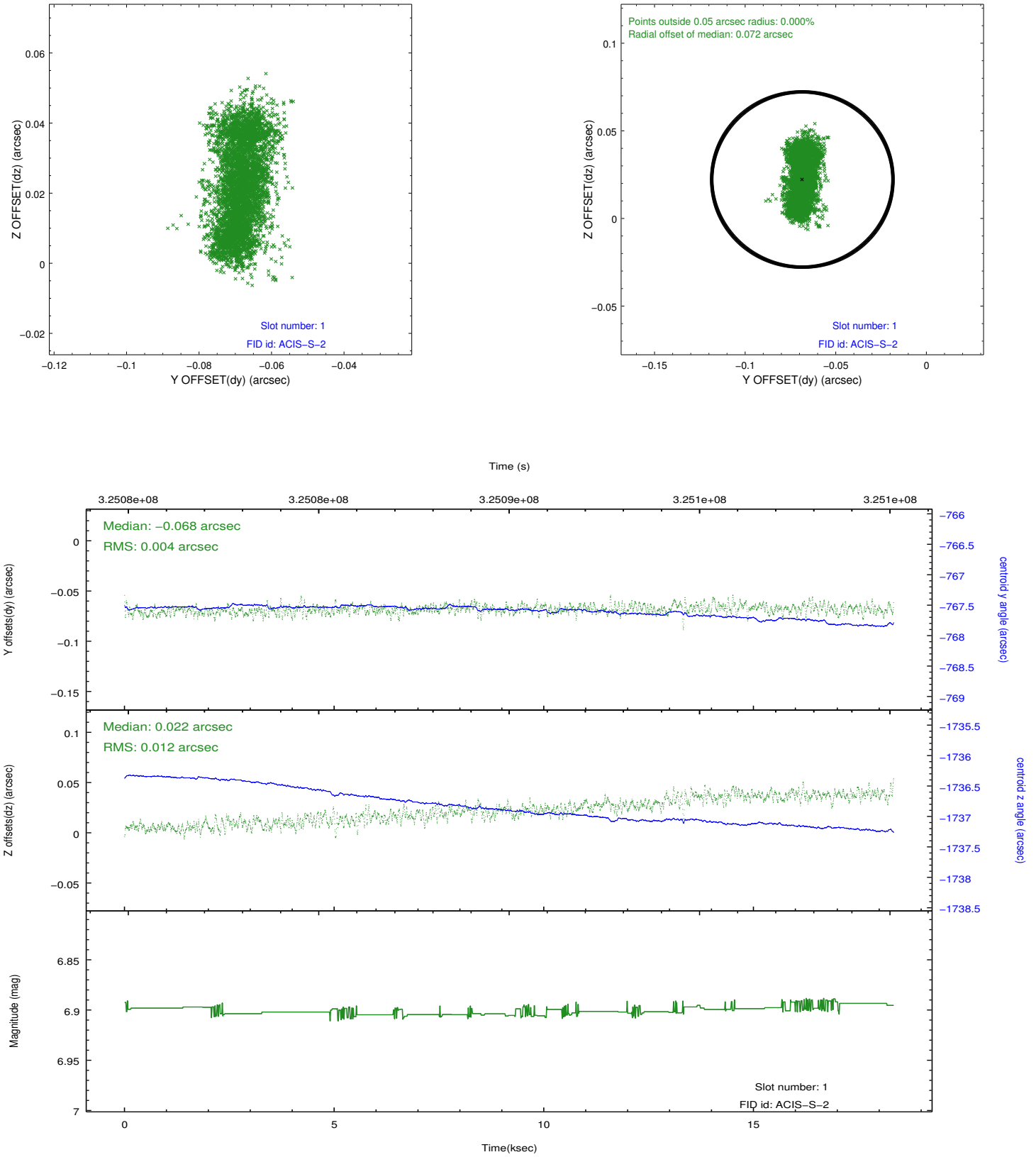


## 2.5 FID Slots

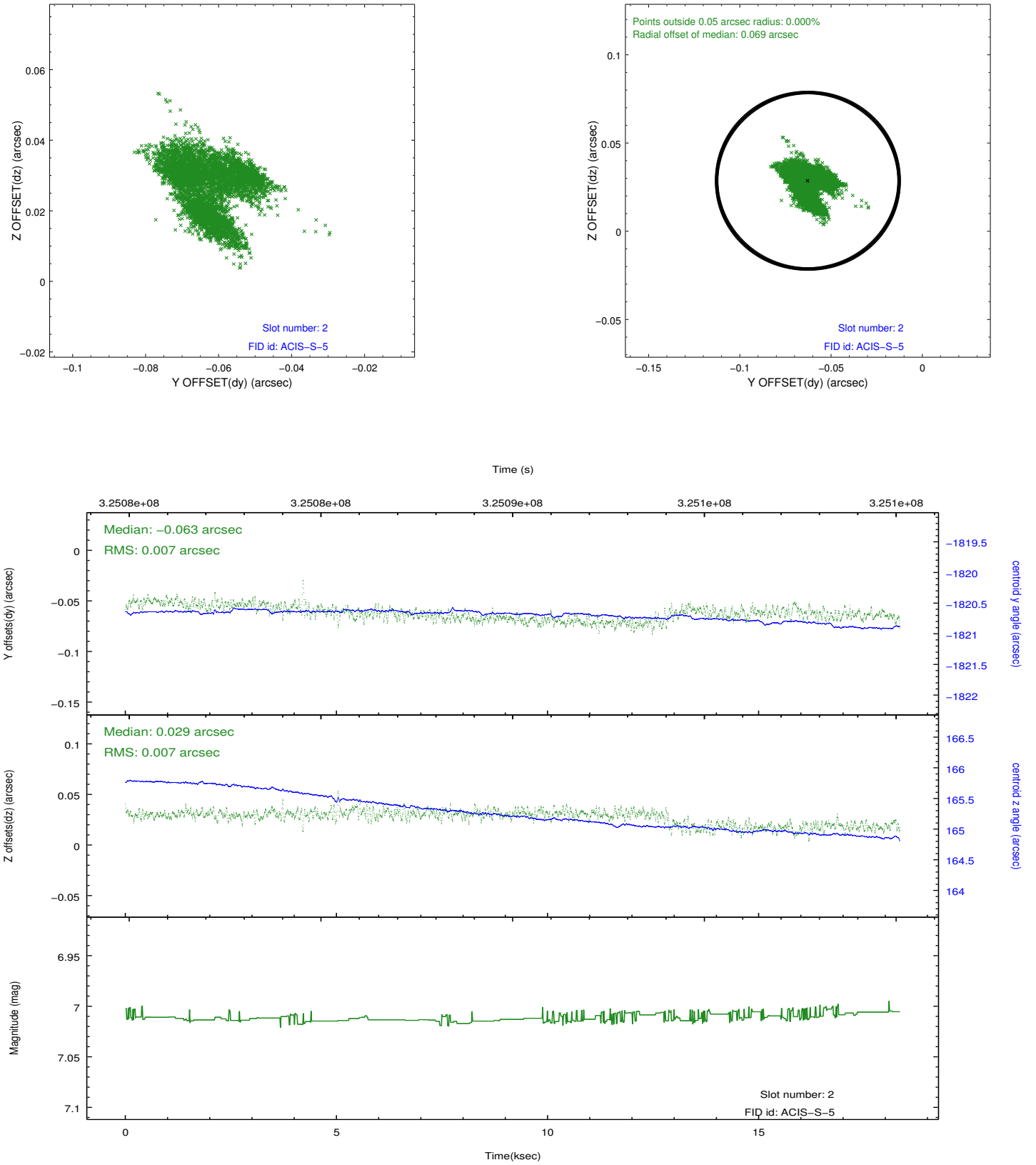
### 2.5.1 Slot 0



## 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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.3365001

### A.2 Comments