

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11908 - L2 Version 2  
Chandra X-Ray Center

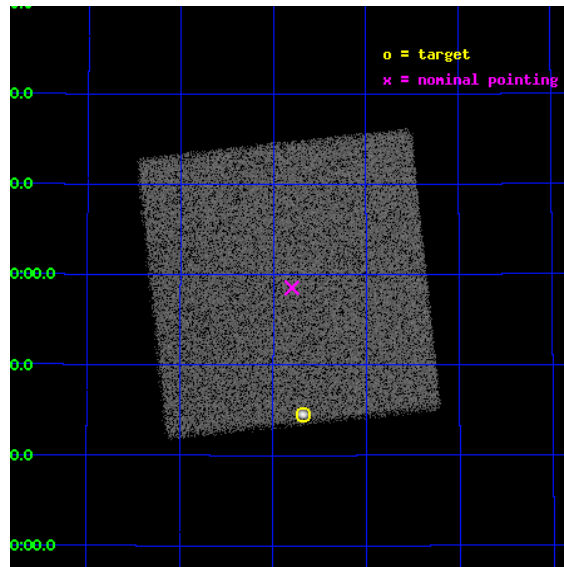
L2 Processing Date : Jul 3 2012

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# 1 Front

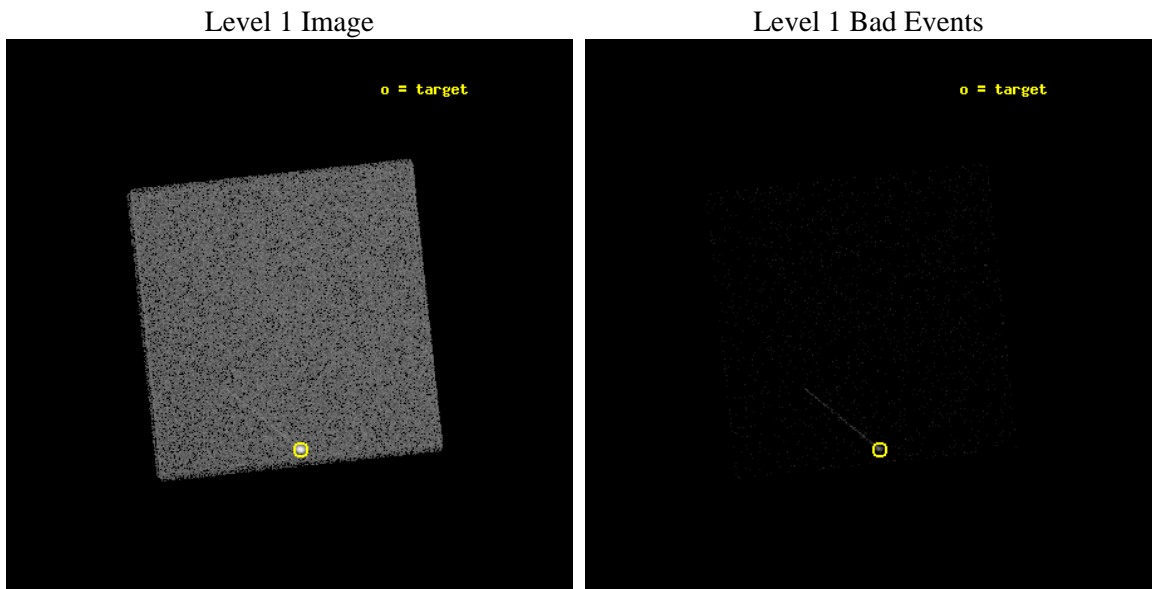
seq_num	290897	Sequence number
obs_id	11908	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19962368589	Nominal RA [deg]
dec_nom	45.976103634655	Nominal Dec [deg]
roll_nom	218.88422710216	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1190.2813110948	[s]
livetime	1177.347204615	Ontime multiplied by DTCOR
l2events	90106	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1190.2813110948	[s]
caldbver	4.5.0	&#160	l1events	158974	Number of level 1 events
date	2012-07-03T23:51:34	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

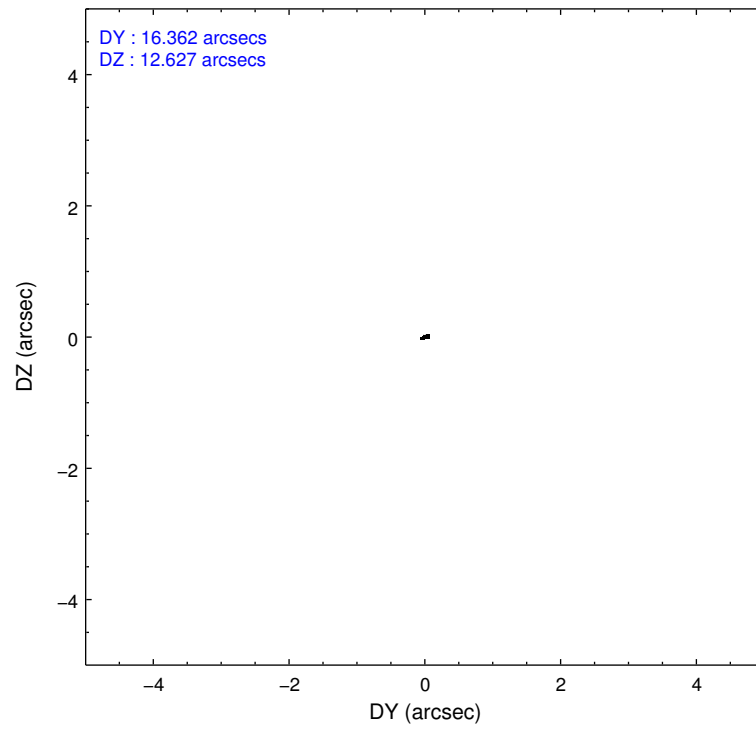
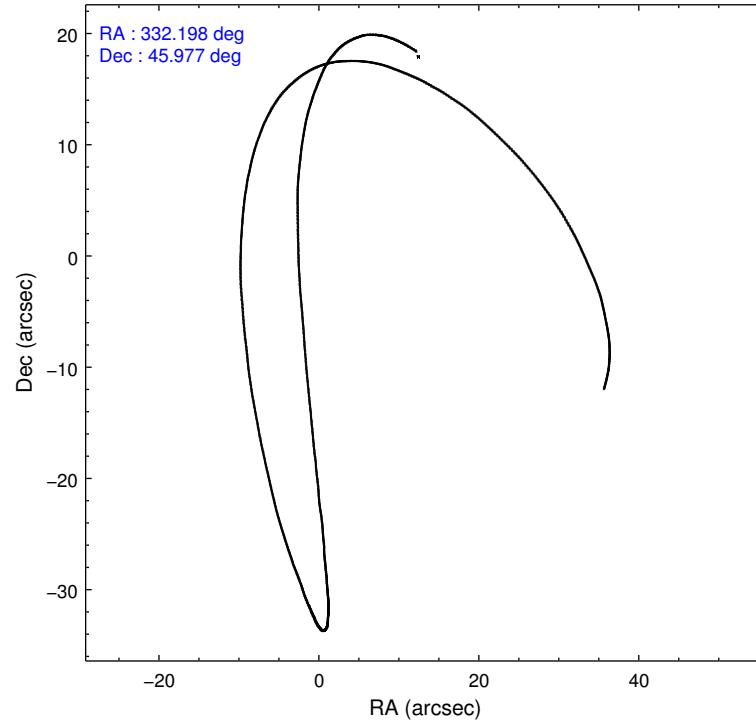
#### Level 1 Events

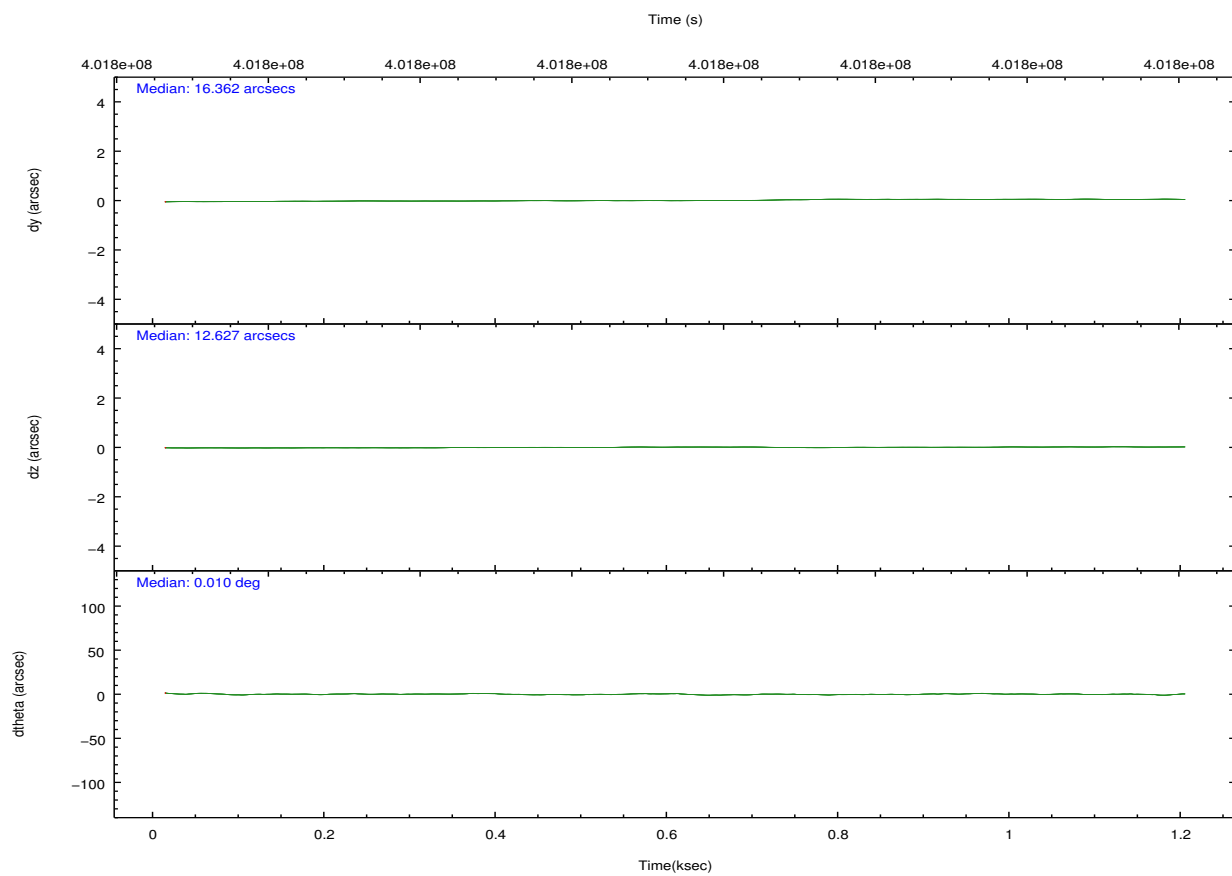
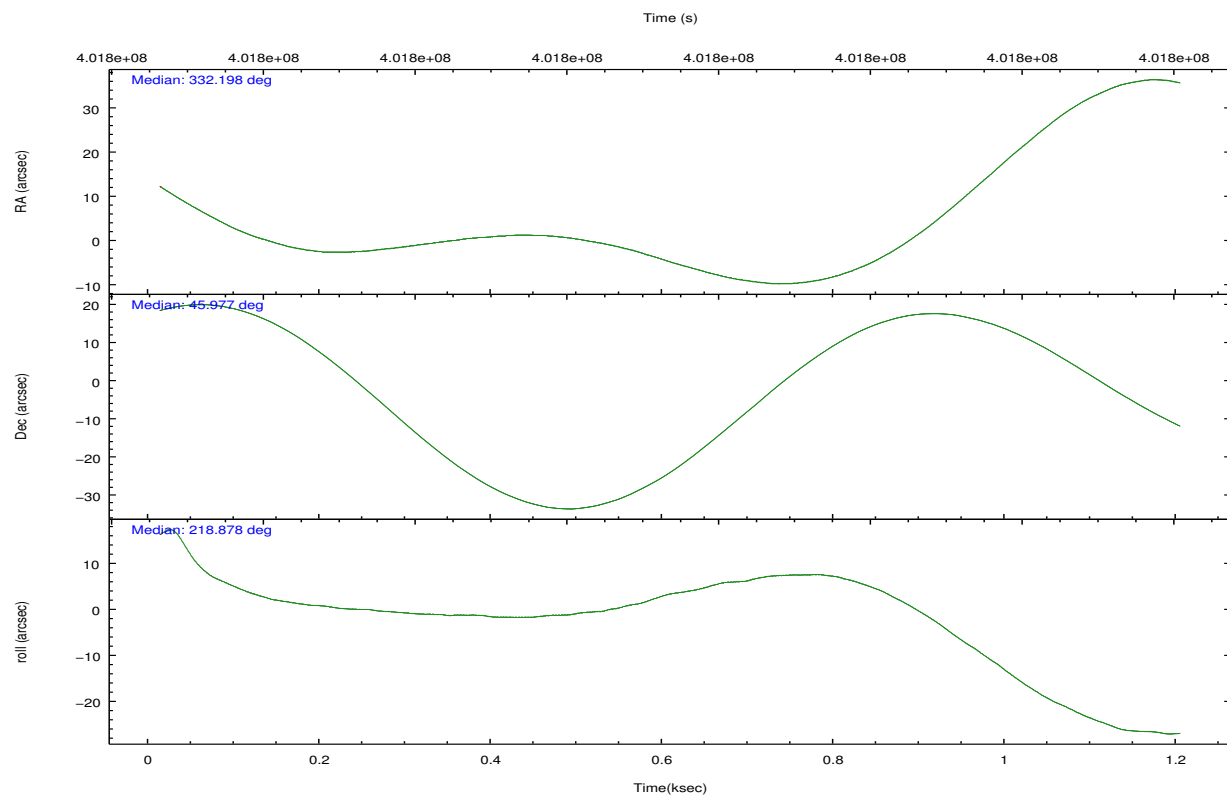
	<b>segment 0</b>
level 1 events	158974
rejected events	33456
rejected %	21%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.212895	332.1996236858881			
[deg] Pointing Dec	46.001044	45.97610363465456			
[deg] Pointing Roll	218.969940	218.8842271021596			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	401801133.184000	401800757.61358			
Observation start date	2010-09-25T11:24:27	2010-09-25T11:19:17			
[s] Observation end time (MET)	401802133.184000	401802267.43866			
Observation end date	2010-09-25T11:41:07	2010-09-25T11:44:27			

## 2.3 Aspect



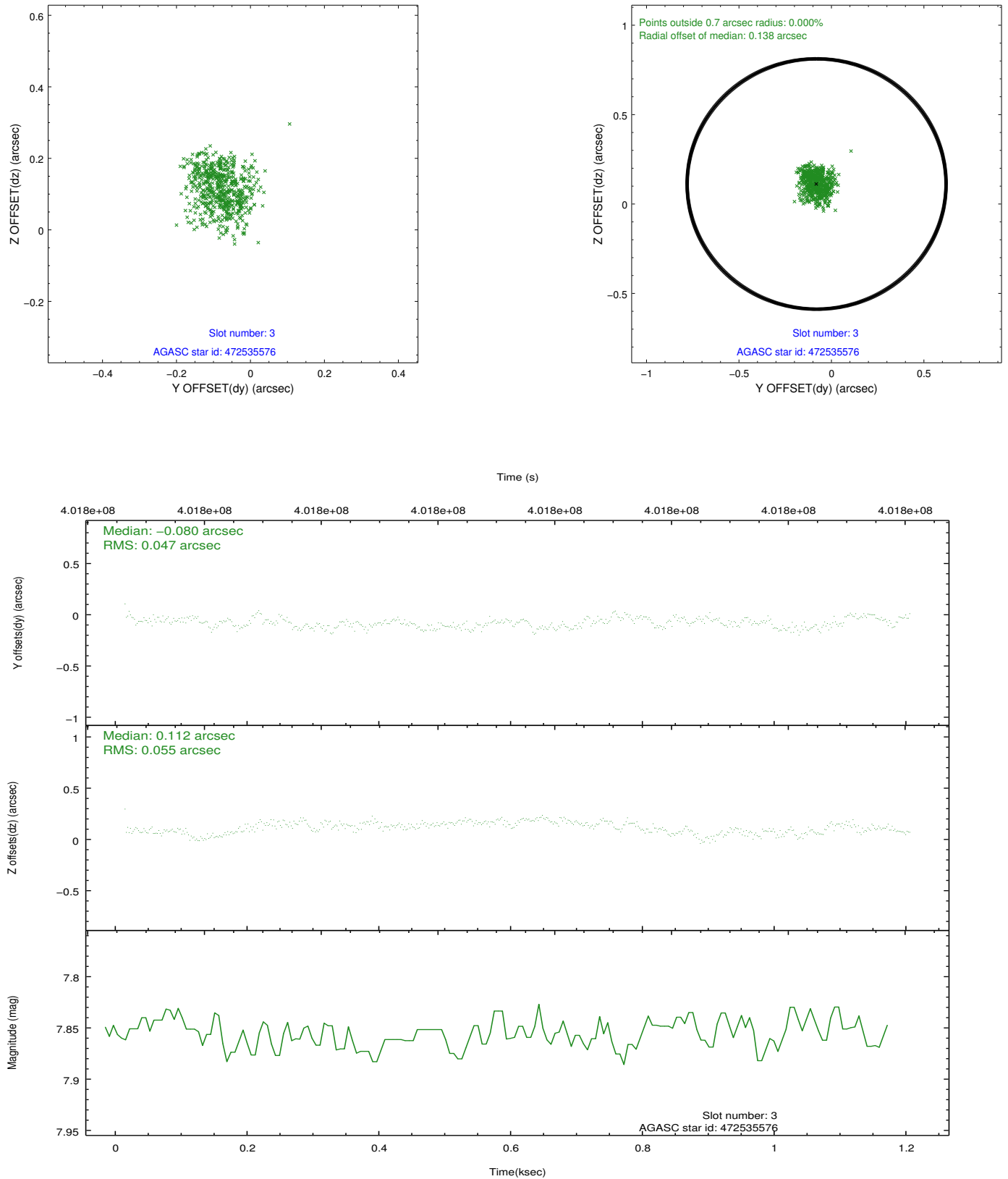


Slot Statistics

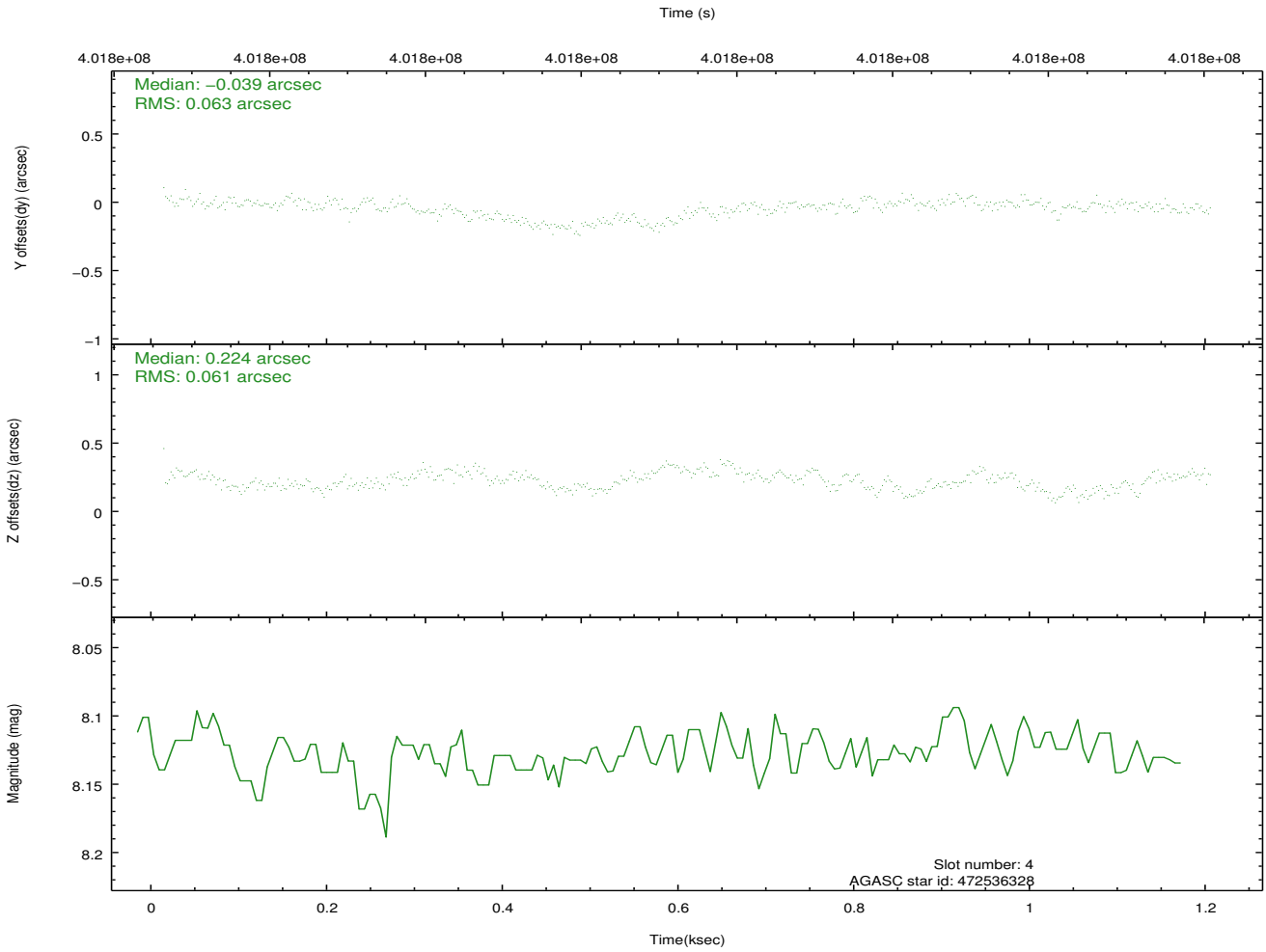
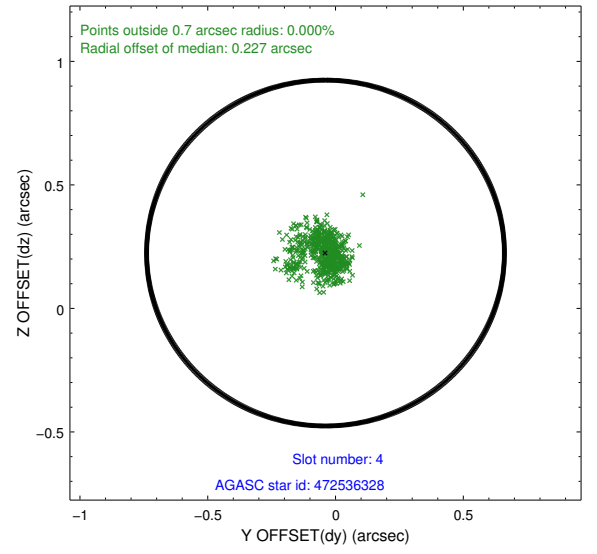
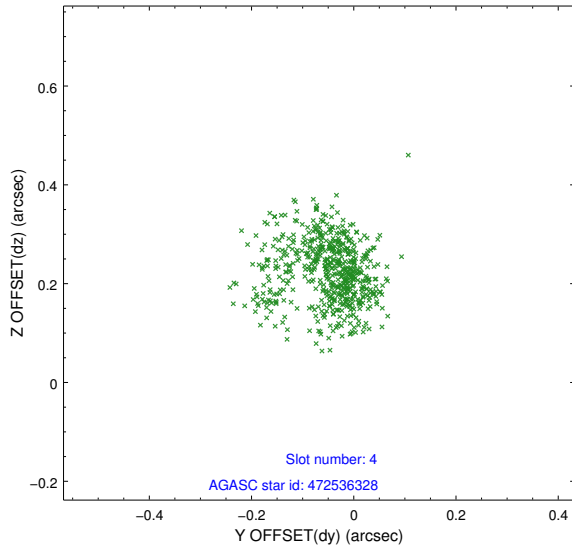
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	291	-0.060	0.042	0.008	0.013	0.000000	0.000000	-772.30	-1300.58
1	FID	HRC-I-2	7.00	291	0.219	-0.136	0.007	0.013	0.000000	0.000000	837.95	-1306.83
2	FID	HRC-I-3	7.05	291	-0.040	0.004	0.006	0.012	0.000000	0.000000	-1197.84	999.46
3	GUIDE	472535576	7.85	582	-0.080	0.112	0.078	0.119	331.438373	46.291802	835.75	-2030.47
4	GUIDE	472536328	8.13	582	-0.039	0.224	0.091	0.158	331.496671	46.454831	352.13	-2394.60
5	GUIDE	472655152	9.41	577	0.125	-0.049	0.144	0.229	332.504239	45.862991	-253.65	842.69
6	GUIDE	472665256	9.01	581	0.119	-0.175	0.101	0.155	332.808125	46.195041	-1594.42	388.75
7	GUIDE	472649352	9.75	578	-0.122	-0.112	0.166	0.264	332.034169	45.325407	1879.89	1609.04

## 2.4 Star Slots

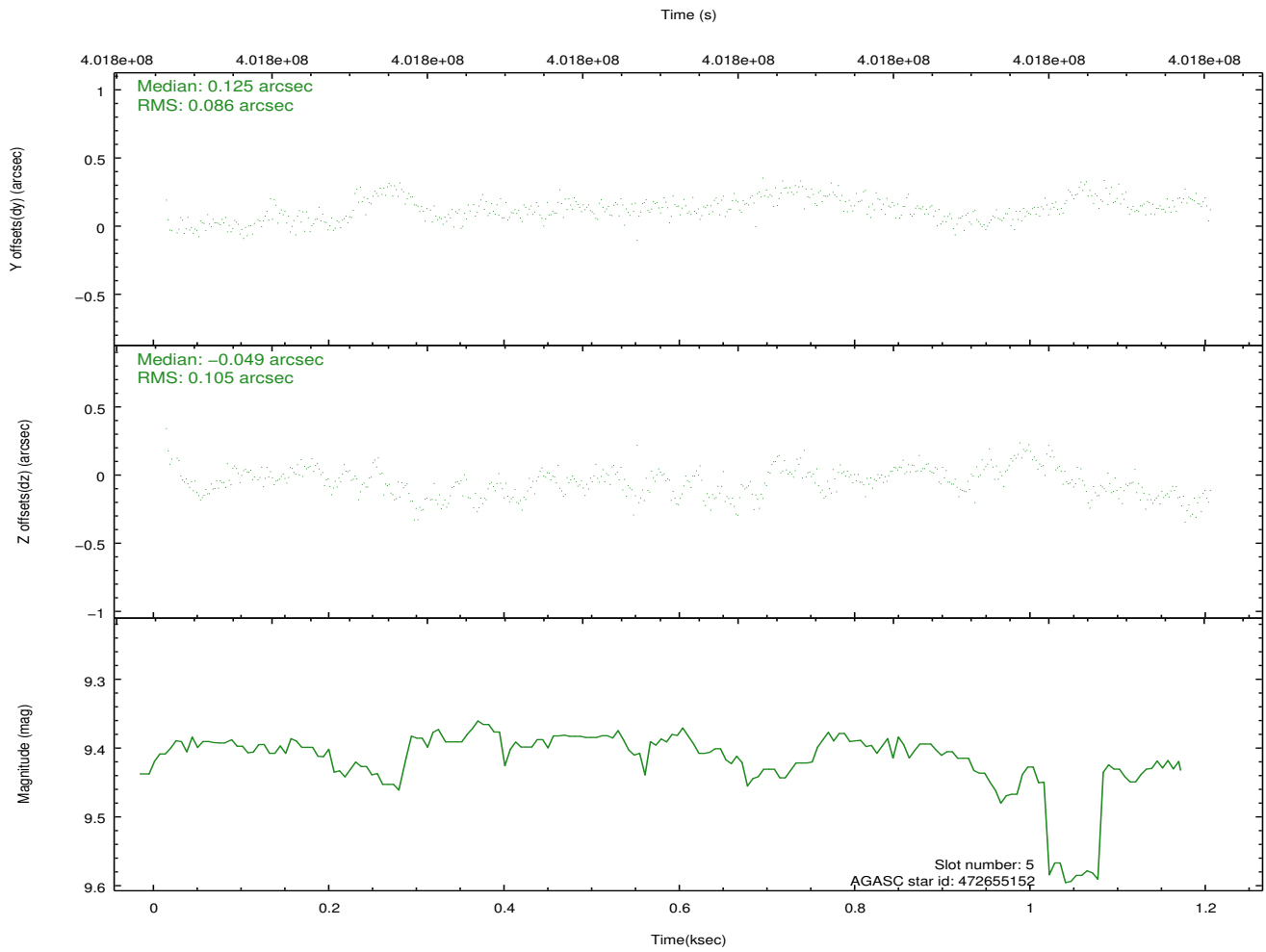
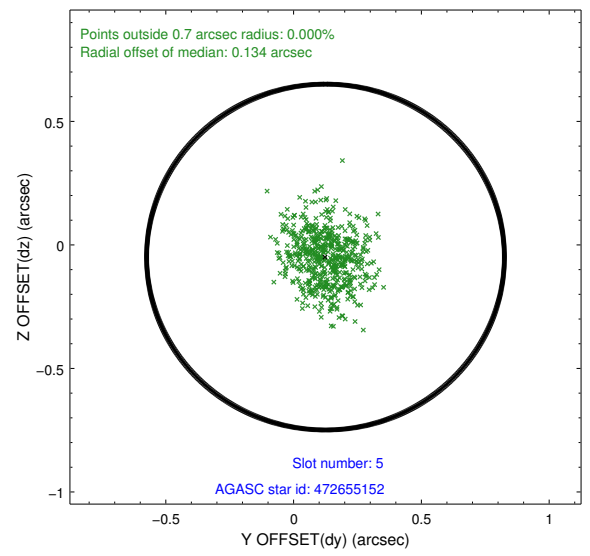
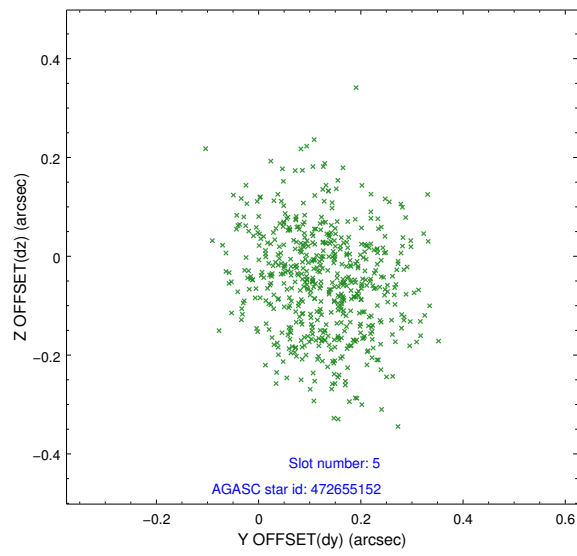
### 2.4.1 Slot 3



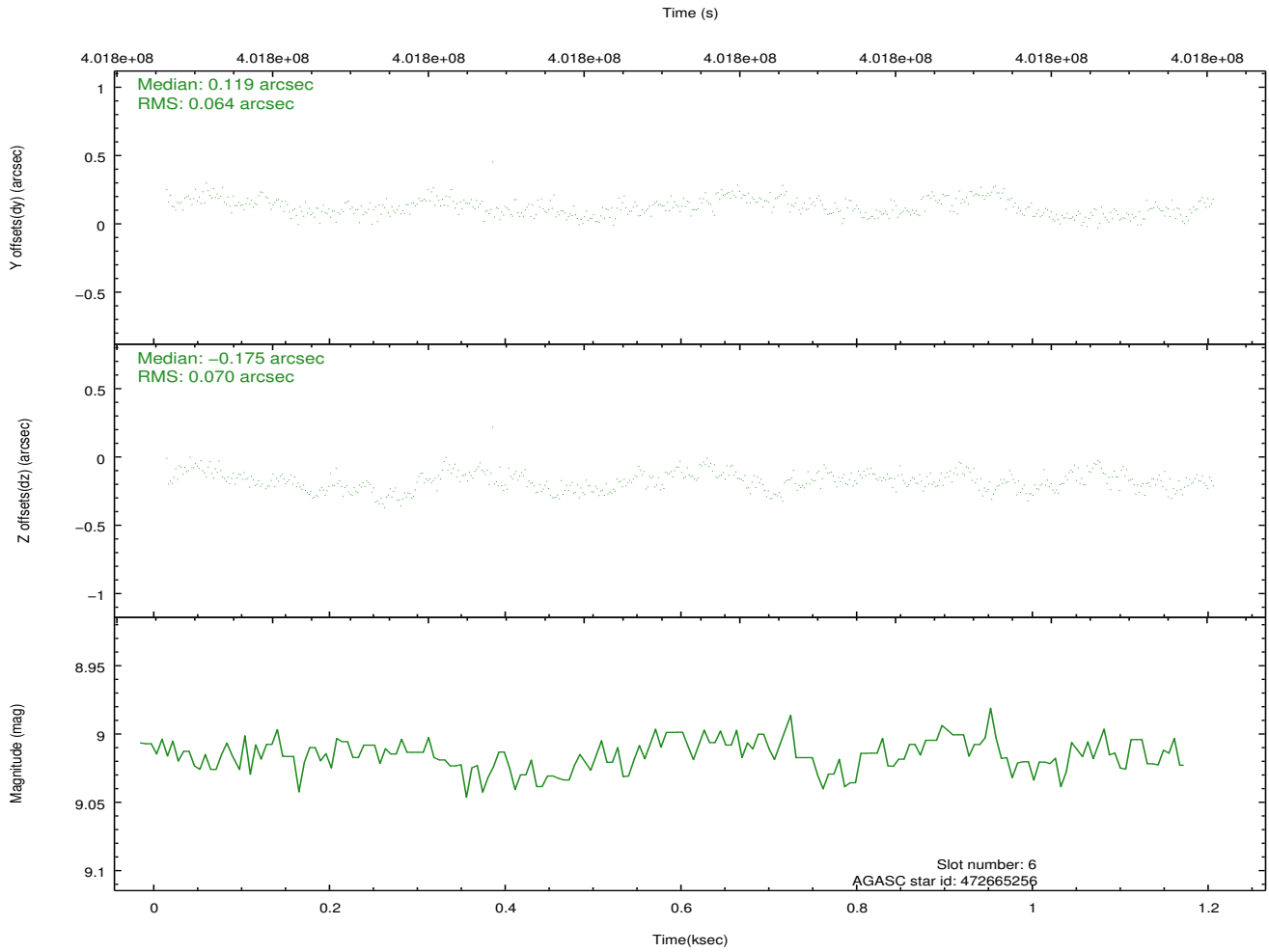
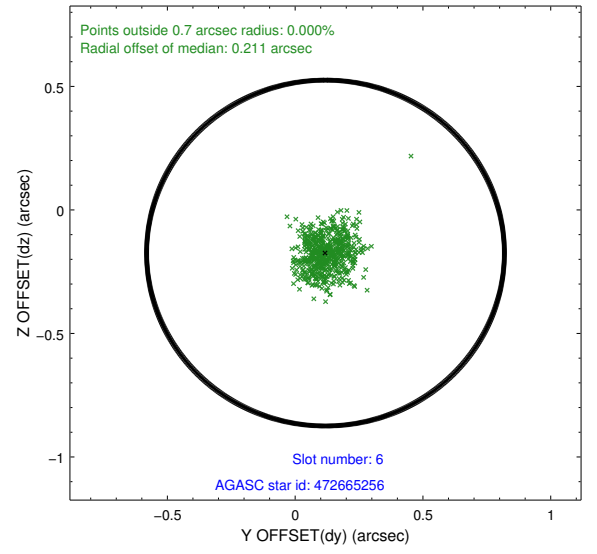
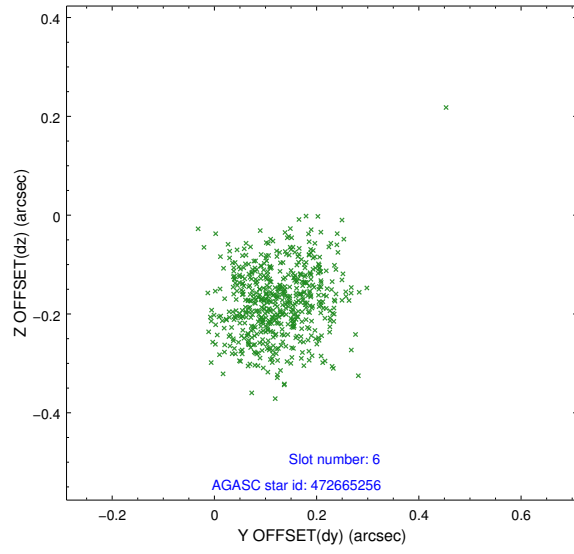
## 2.4.2 Slot 4



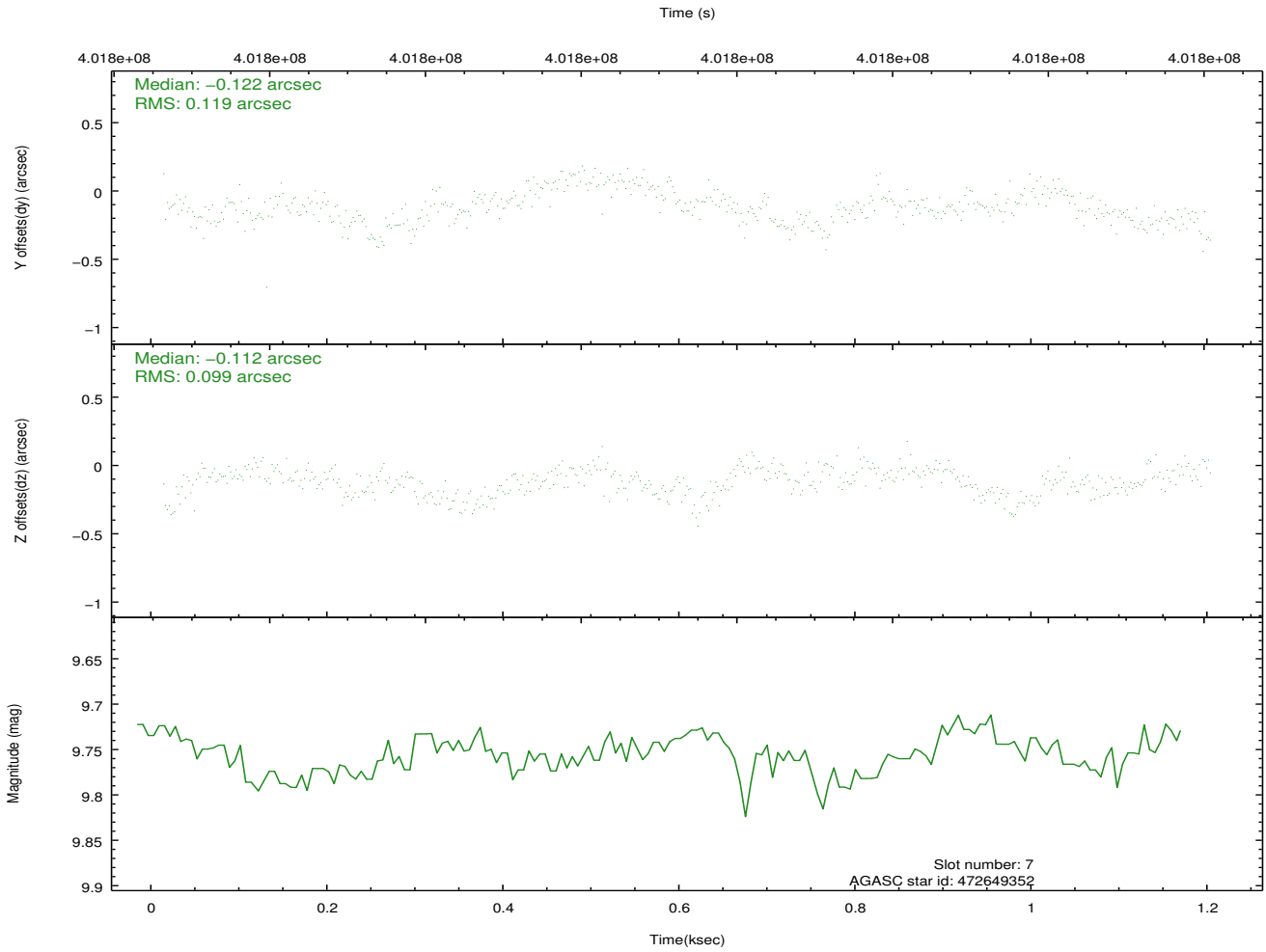
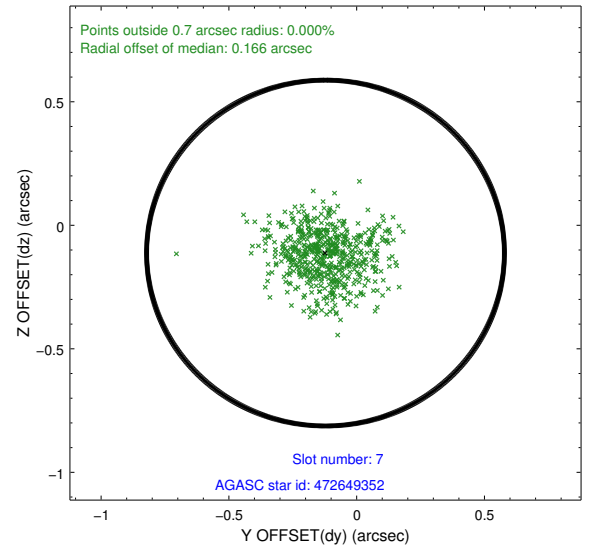
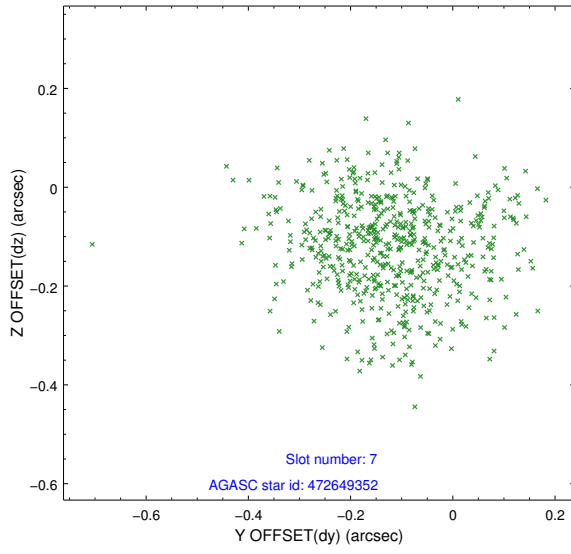
### 2.4.3 Slot 5



## 2.4.4 Slot 6

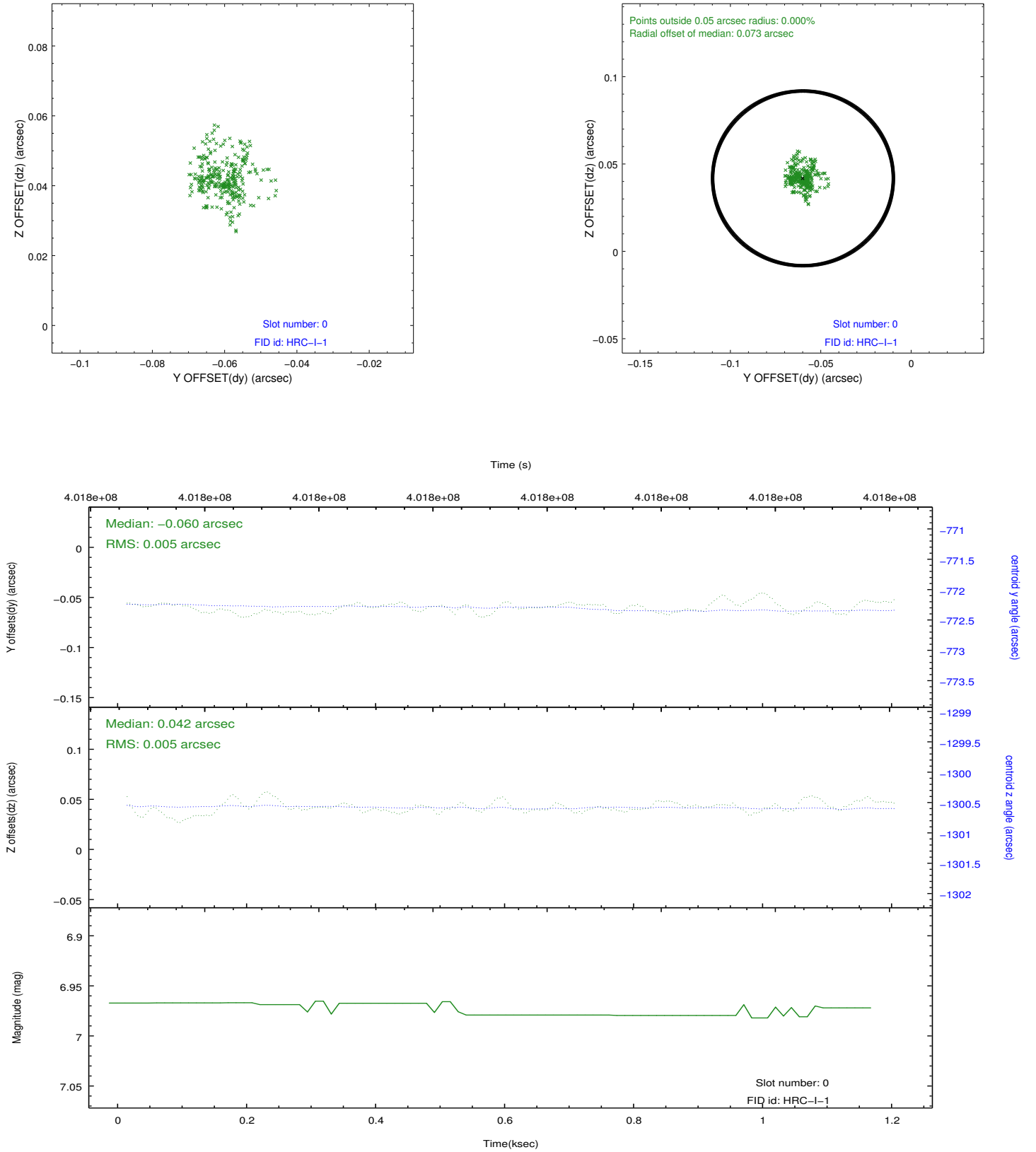


## 2.4.5 Slot 7

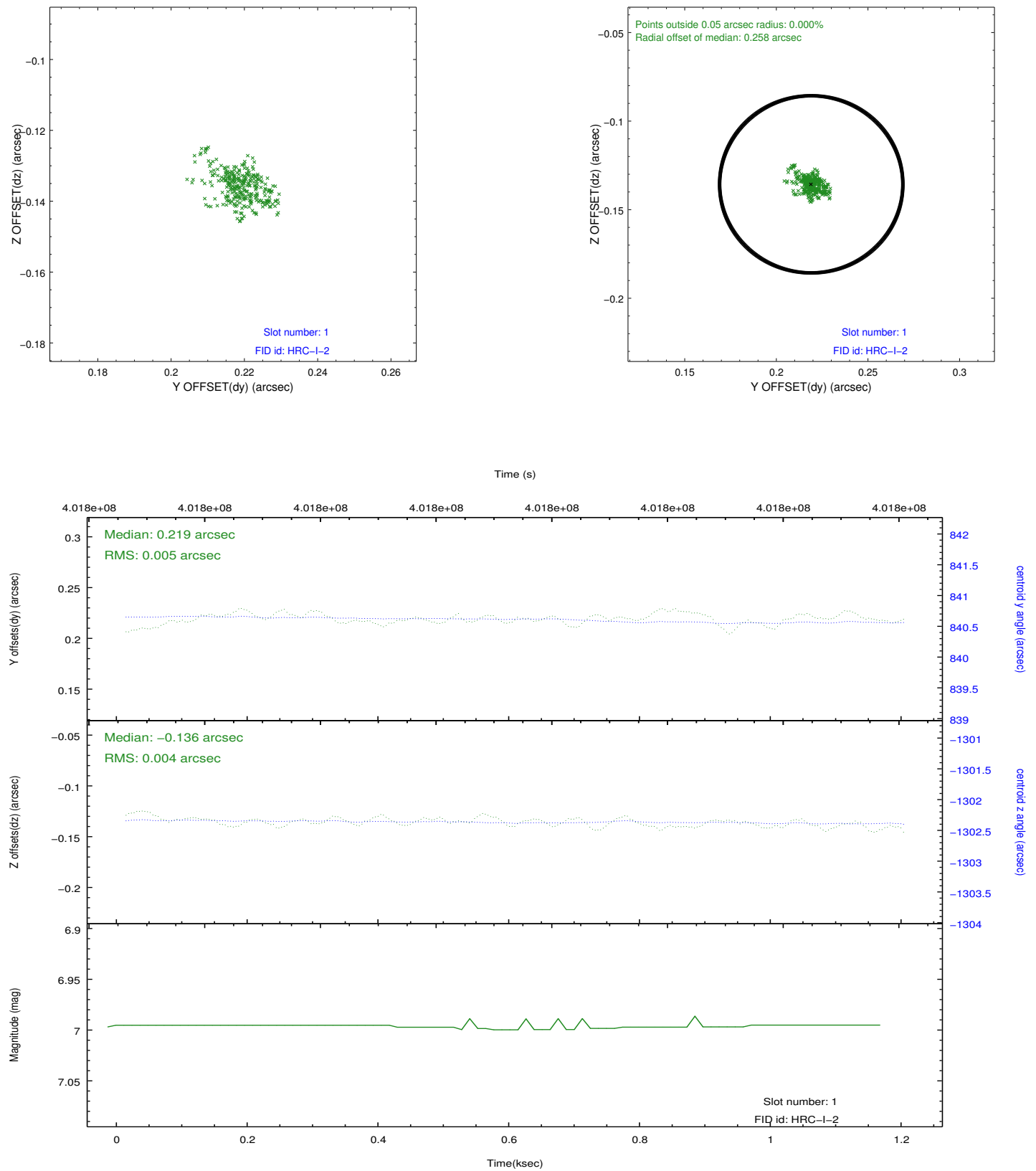


## 2.5 FID Slots

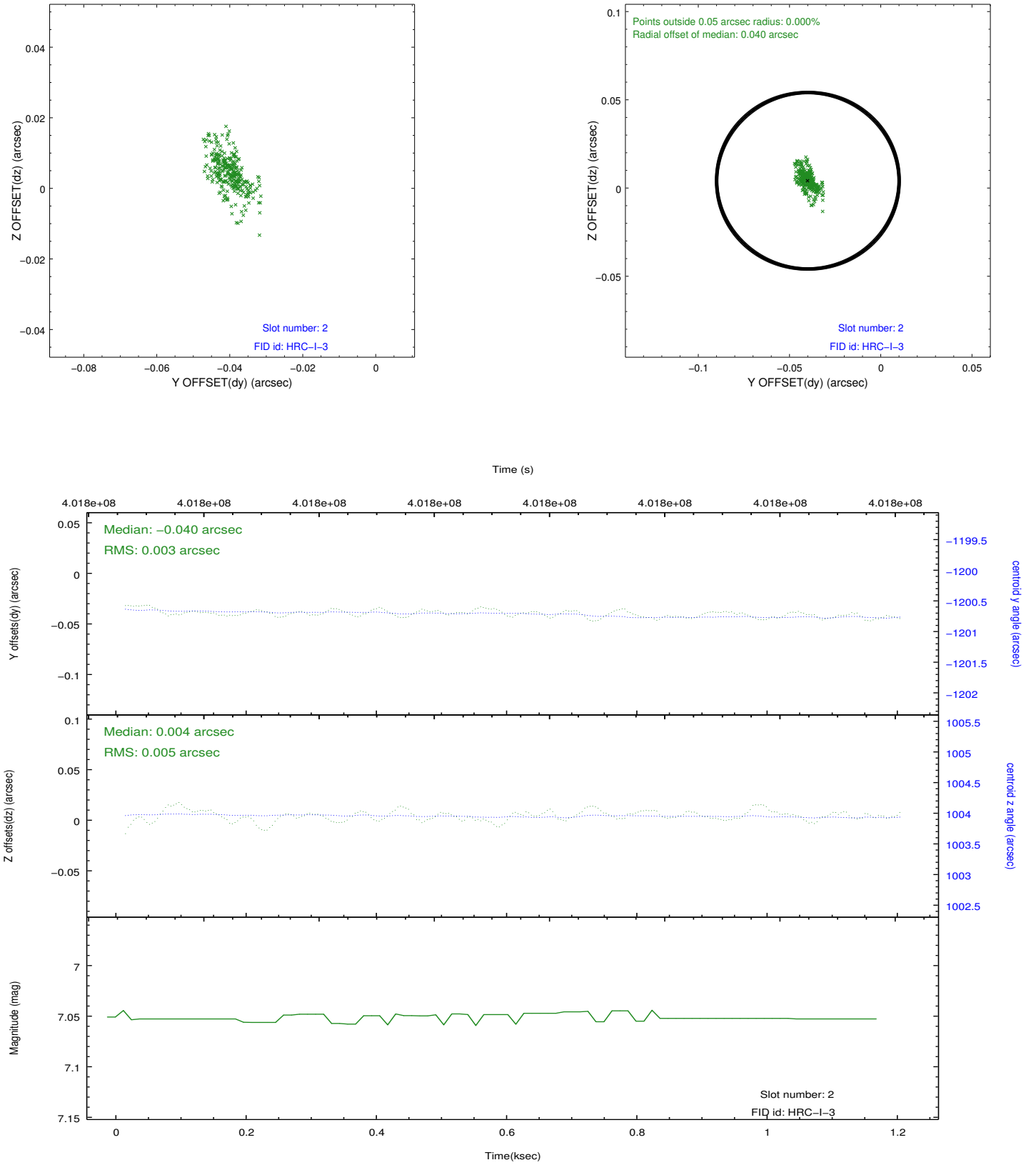
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813109756

### **A.2 Comments**