

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 287 - L2 Version 5  
Chandra X-Ray Center

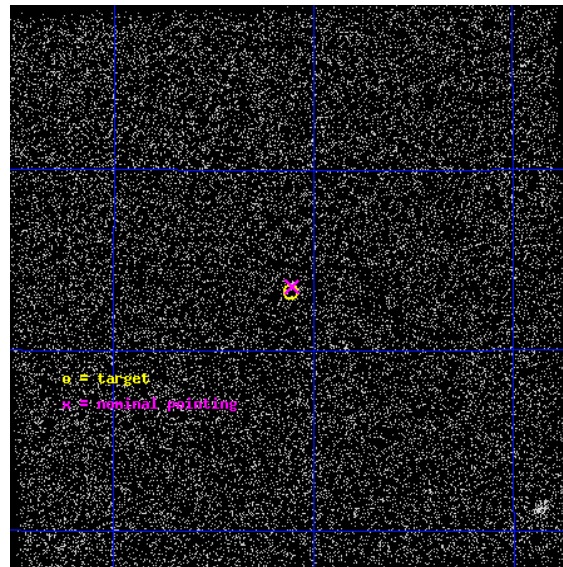
L2 Processing Date : Aug 31 2012

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# 1 Front

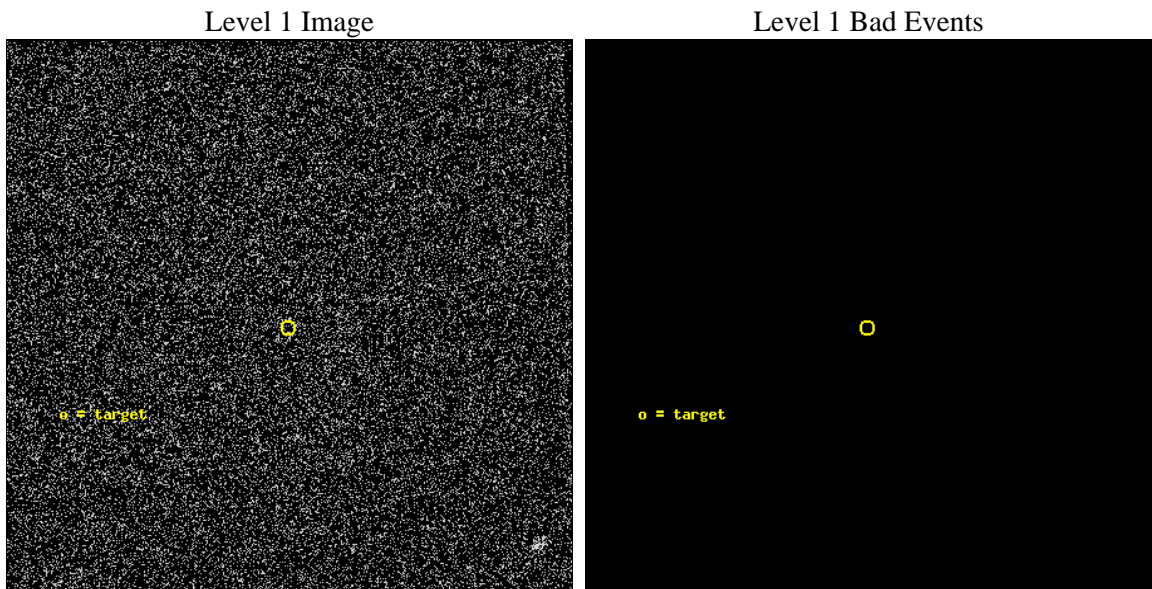
seq_num	600047	Sequence number
obs_id	287	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721111	Observer's specified target Dec [deg]
ra_nom	11.027014873648	Nominal RA [deg]
dec_nom	41.725669178111	Nominal Dec [deg]
roll_nom	133.84557252007	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1192.3312946856	[s]
livetime	1186.8795242703	Ontime multiplied by DTCOR
l2events	28753	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	1192.3312946856	[s]
caldbver	4.5.1.1	&#160	l1events	43922	Number of level 1 events
date	2012-09-01T01:53:20	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

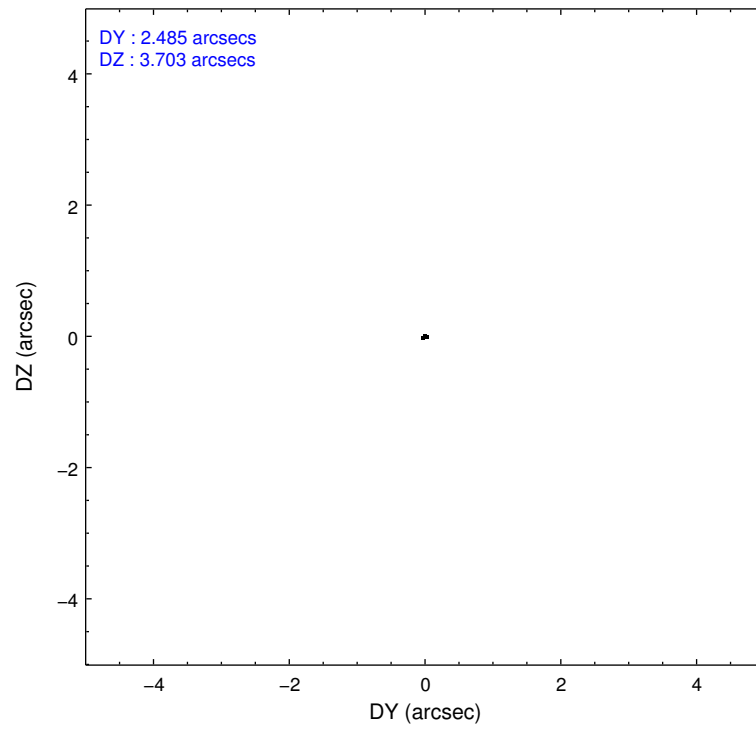
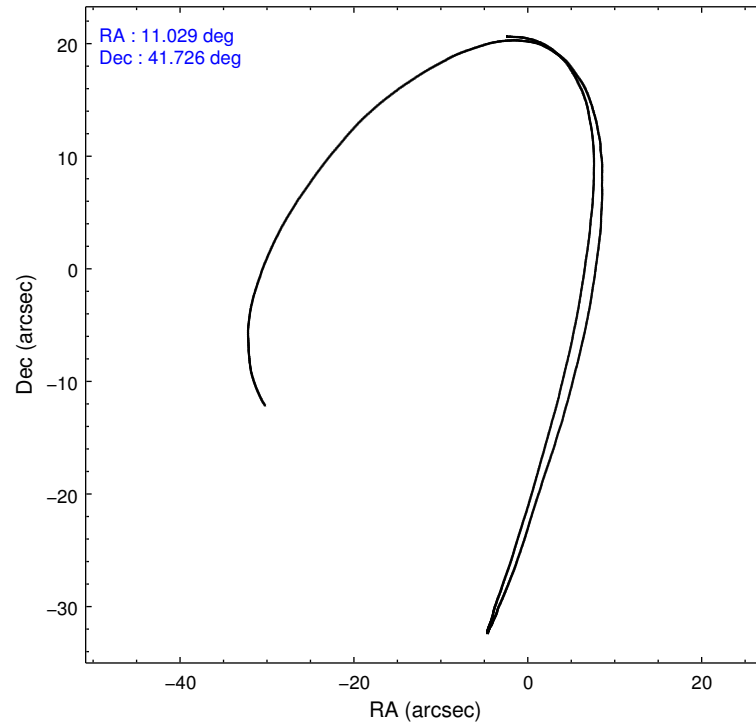
	<b>segment 0</b>
level 1 events	43922
rejected events	1504
rejected %	3%

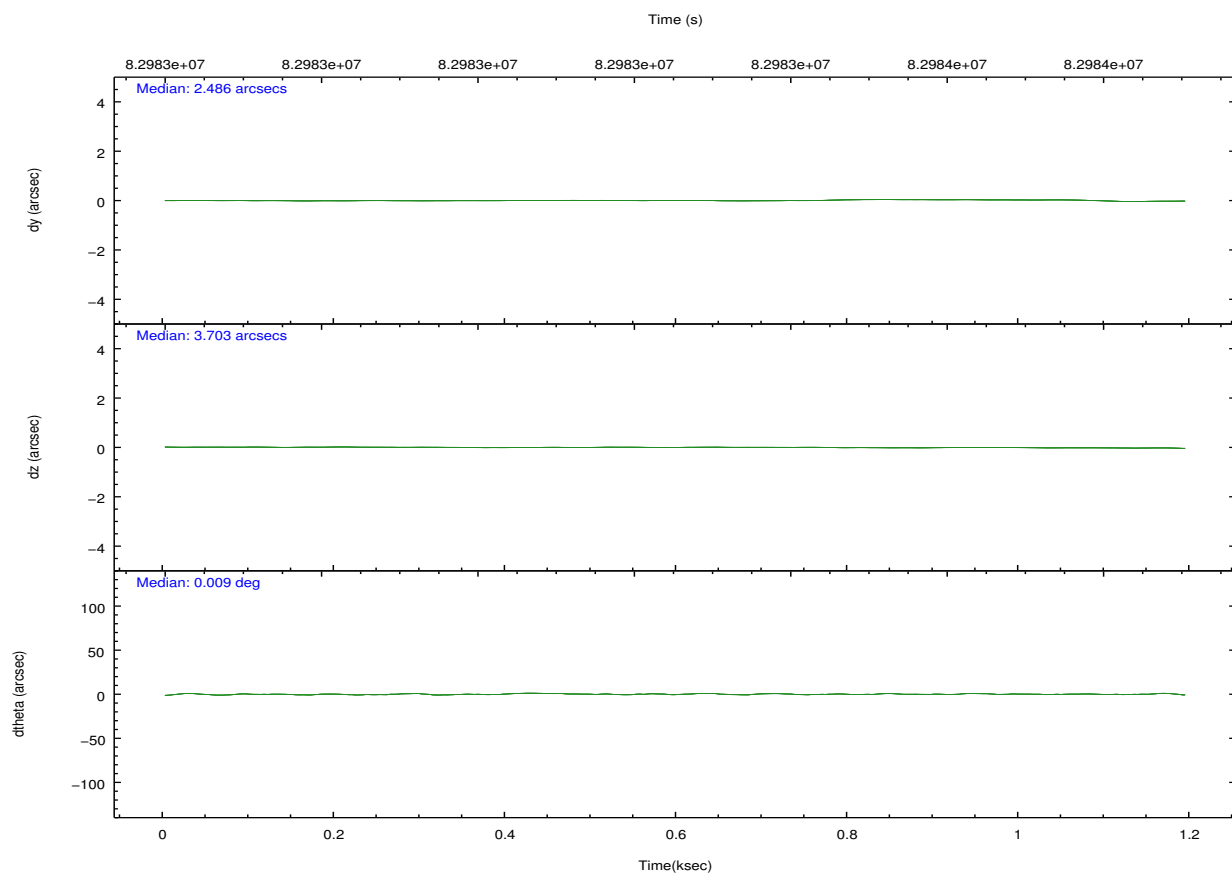
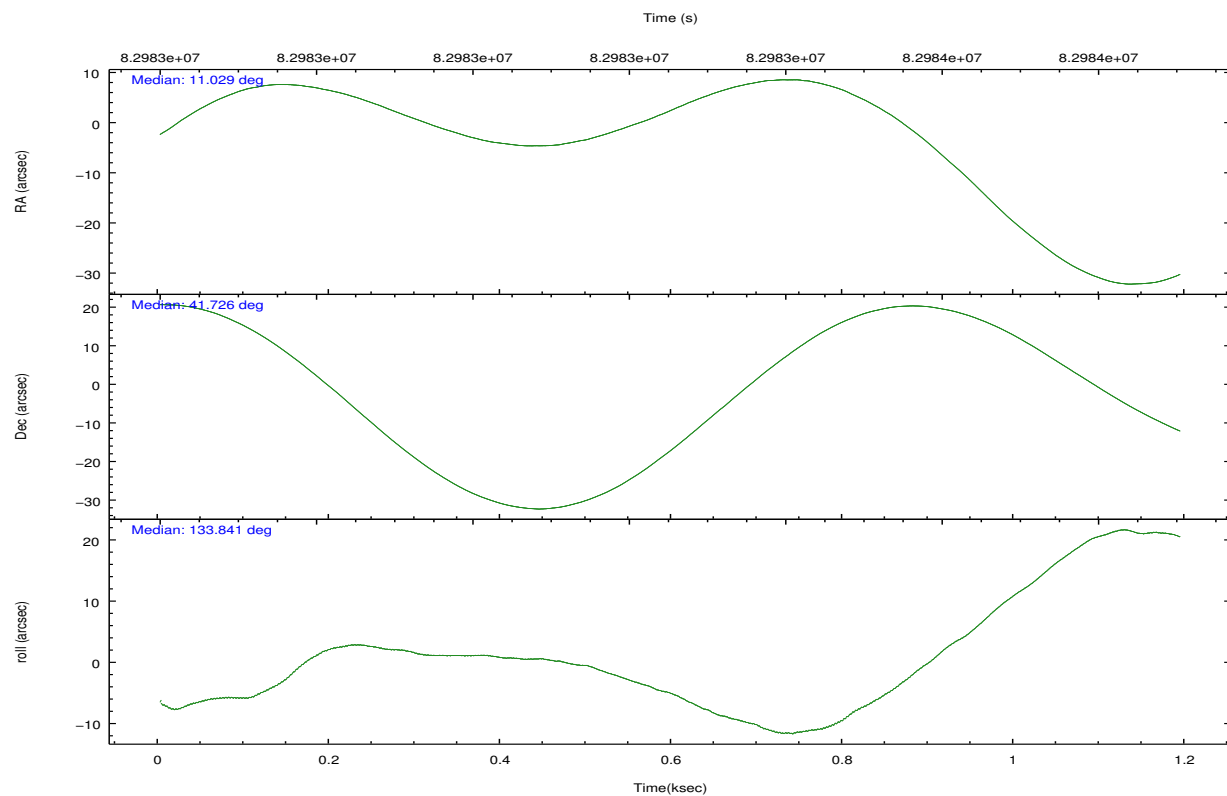
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	11.062255	11.02701487364785
[deg] Pointing Dec	41.718055	41.72566917811137
[deg] Pointing Roll	133.917653	133.8455725200674
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	82982853.184000	82982476.607669
Observation start date	2000-08-18T10:46:29	2000-08-18T10:41:16
[s] Observation end time (MET)	82983853.184000	82983986.945225
Observation end date	2000-08-18T11:03:09	2000-08-18T11:06:26

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





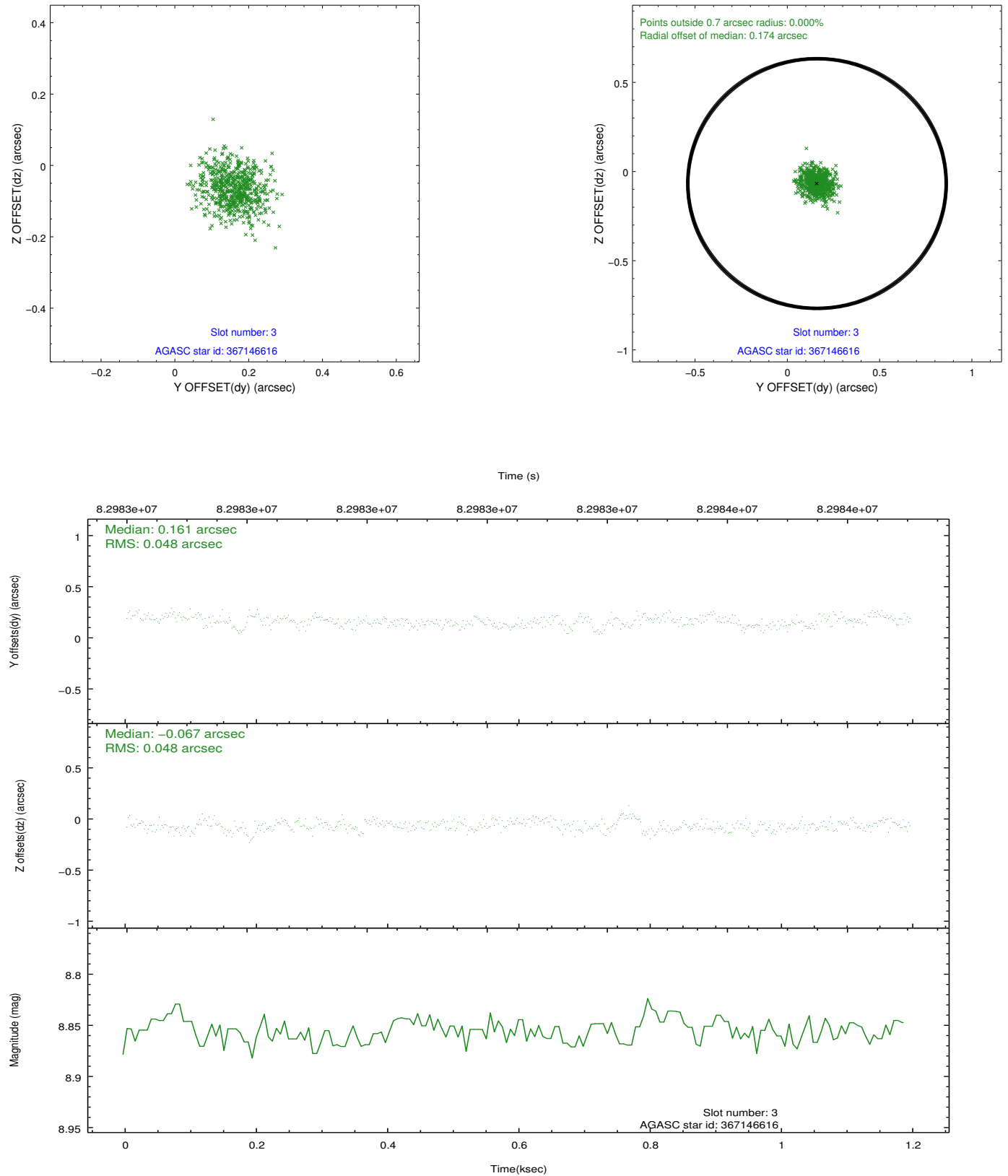
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	291	0.064	0.044	0.006	0.010	0.000000	0.000000	-757.90	-1291.45
1	FID	HRC-I-3	7.04	291	0.026	-0.065	0.007	0.011	0.000000	0.000000	-1189.01	1008.57
2	FID	HRC-I-4	6.98	291	0.024	-0.068	0.005	0.008	0.000000	0.000000	1280.79	1014.05
3	GUIDE	367146616	8.85	583	0.161	-0.067	0.073	0.118	11.418645	41.190163	-2036.81	623.00
4	GUIDE	367657896	9.02	583	0.105	-0.063	0.071	0.113	11.197765	41.313576	-1306.02	748.67
5	GUIDE	367671800	9.40	583	-0.063	-0.060	0.076	0.125	10.554735	41.964935	1583.36	362.56
6	GUIDE	367670520	9.26	583	-0.143	0.246	0.086	0.136	11.265516	42.371946	1324.18	-2019.85
7	GUIDE	367663272	9.29	582	-0.054	-0.067	0.074	0.128	10.656279	41.699429	712.93	829.26

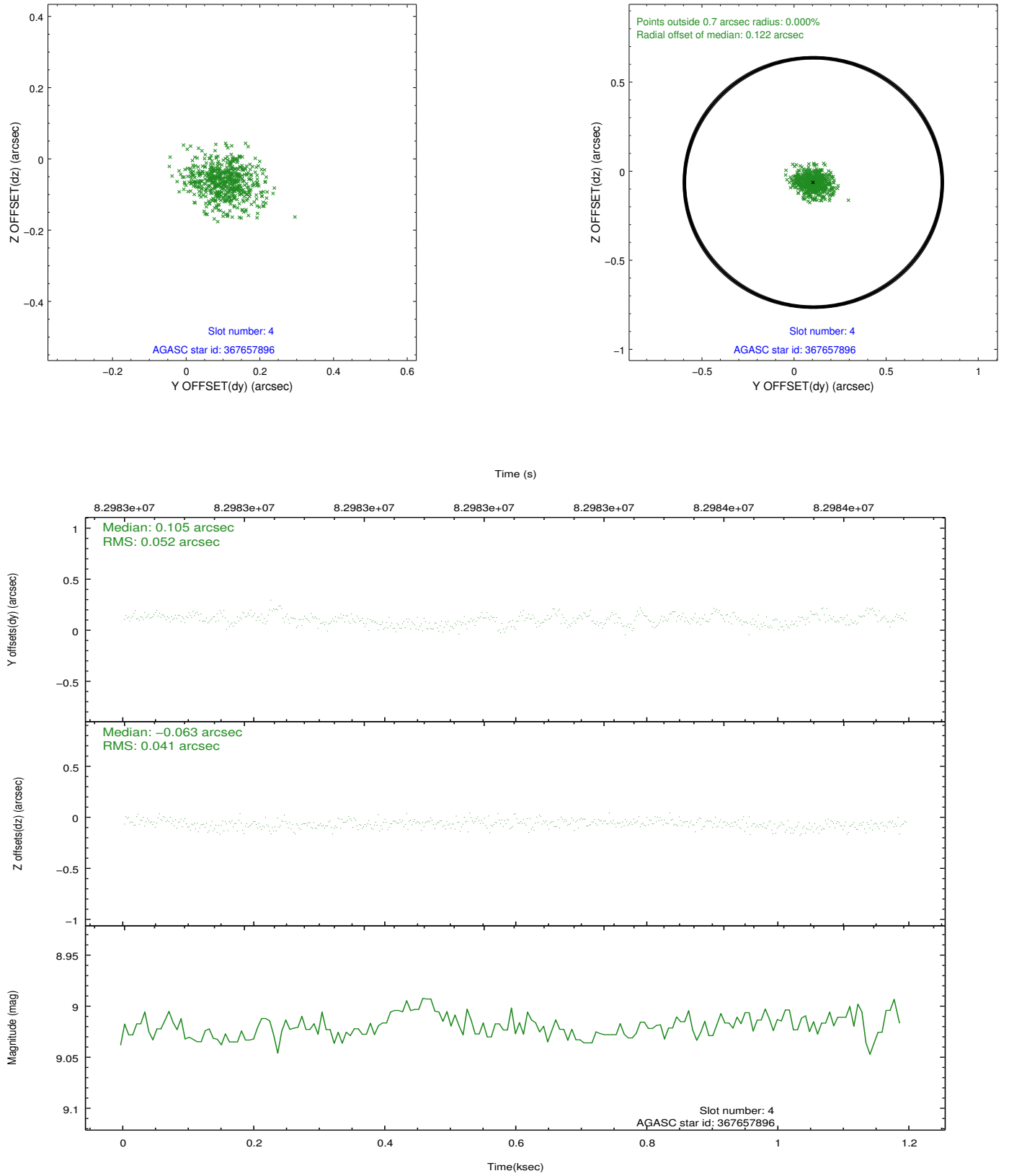


## 2.4 Star Slots

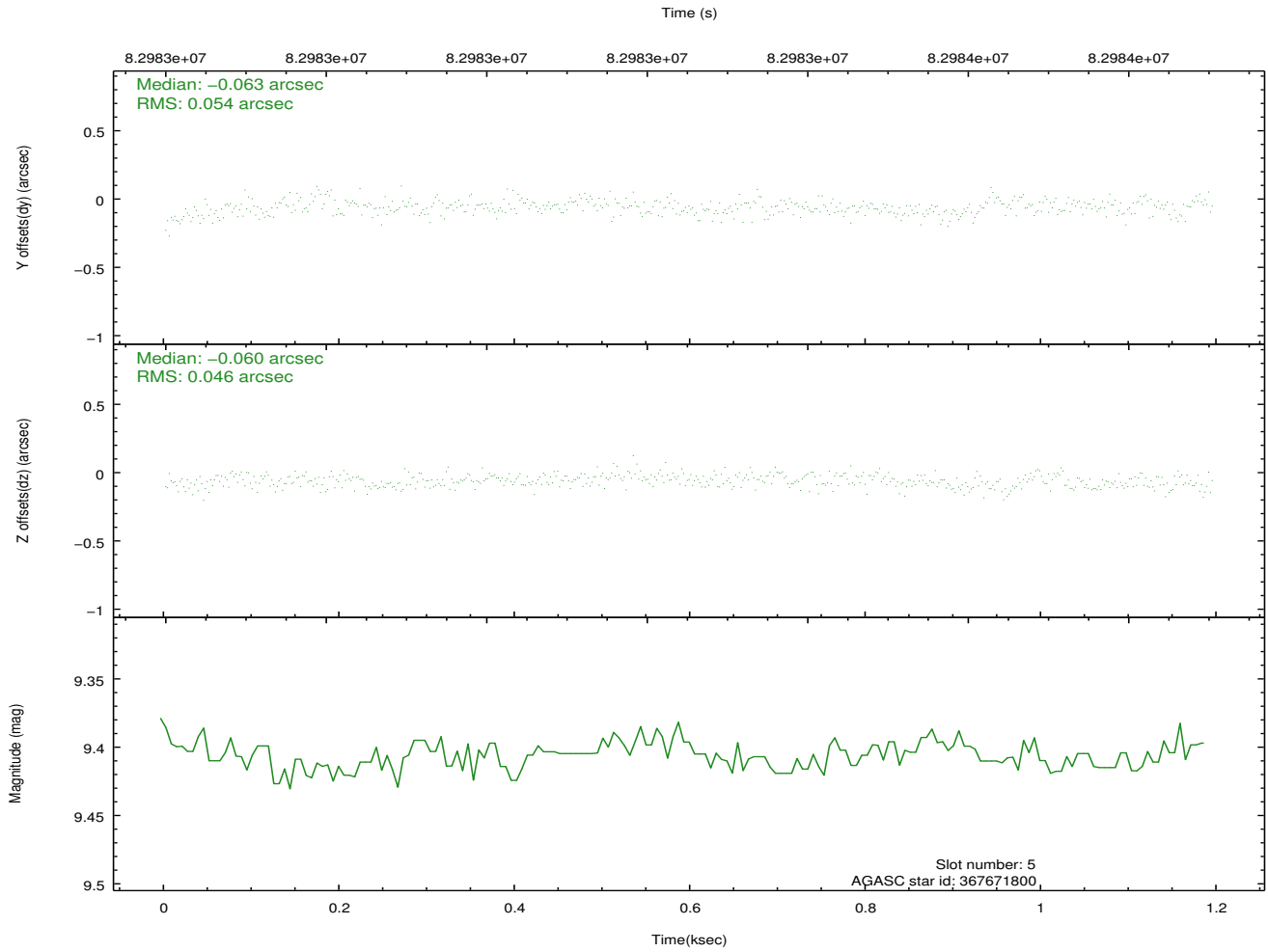
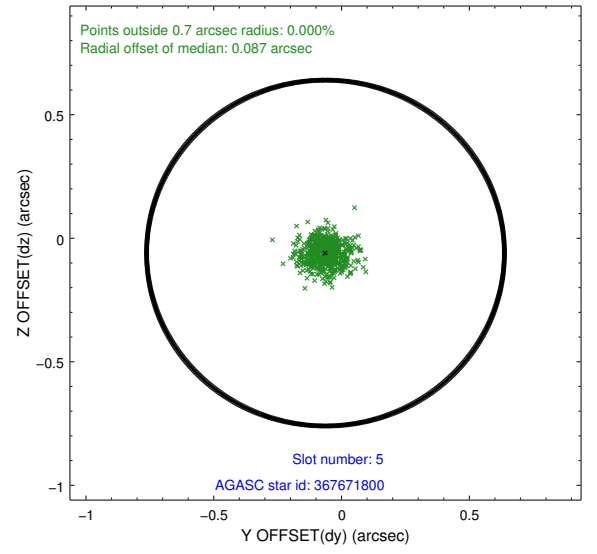
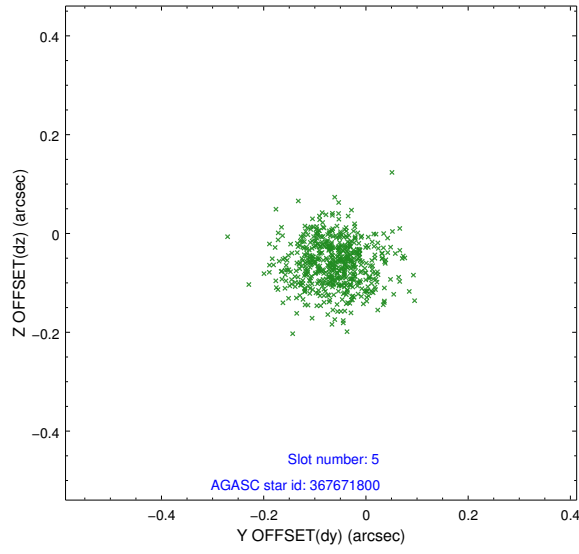
### 2.4.1 Slot 3



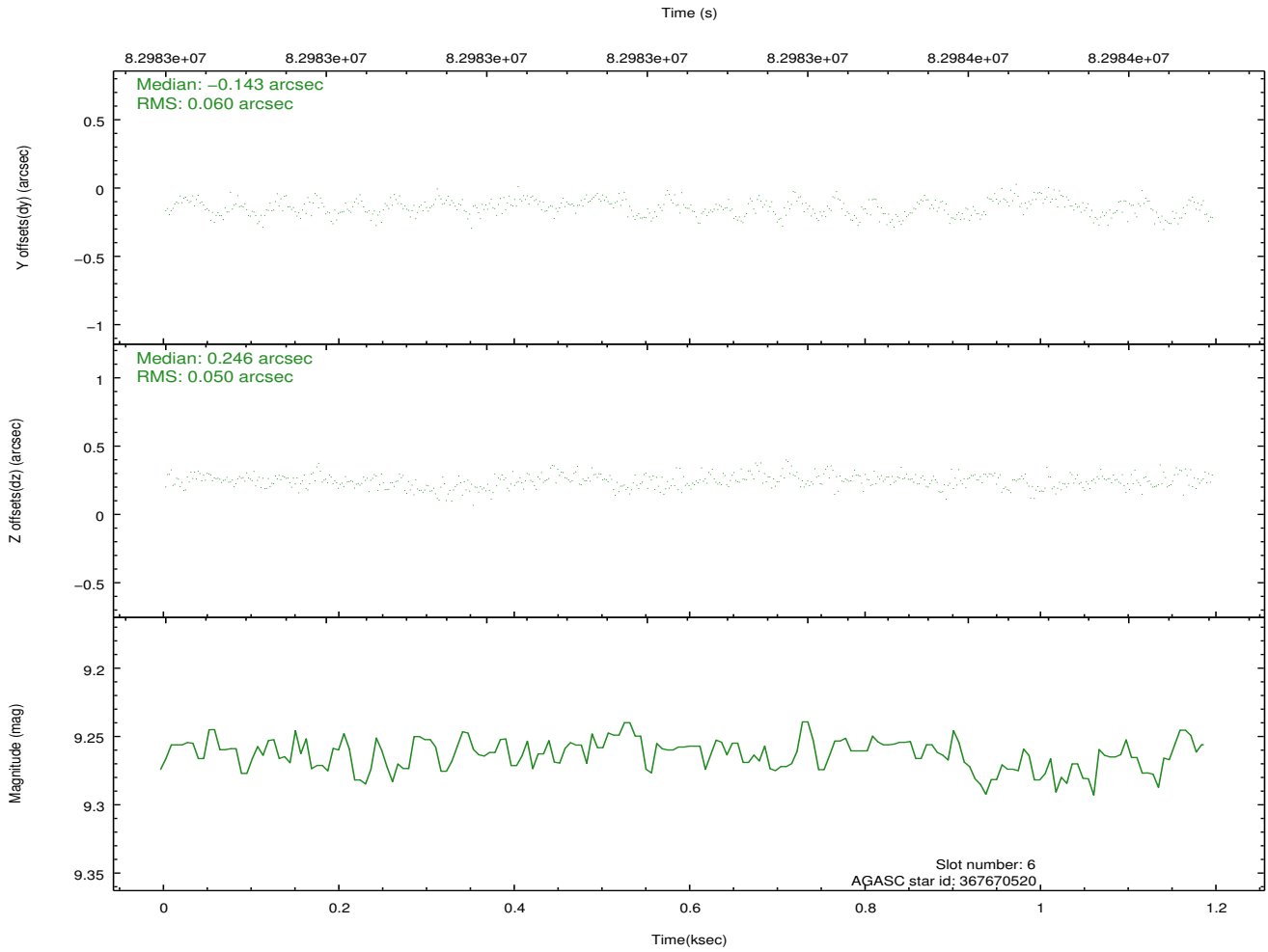
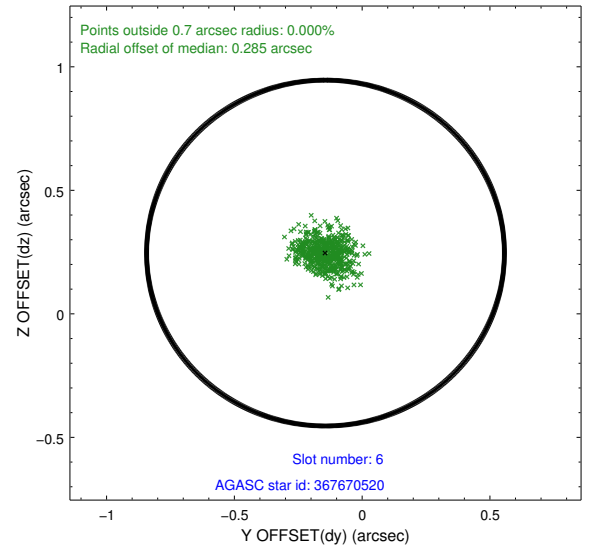
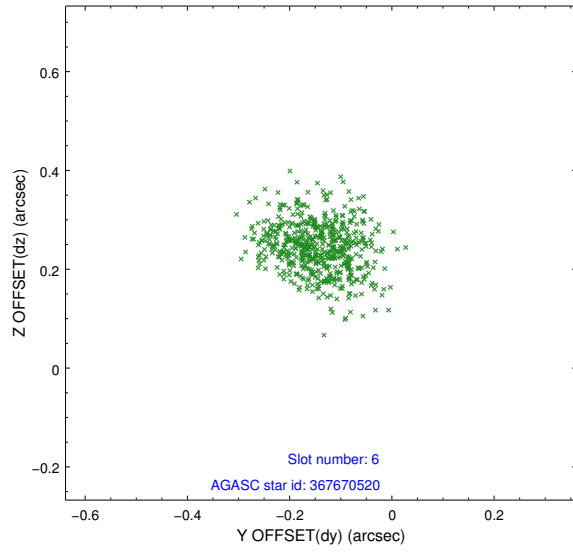
## 2.4.2 Slot 4



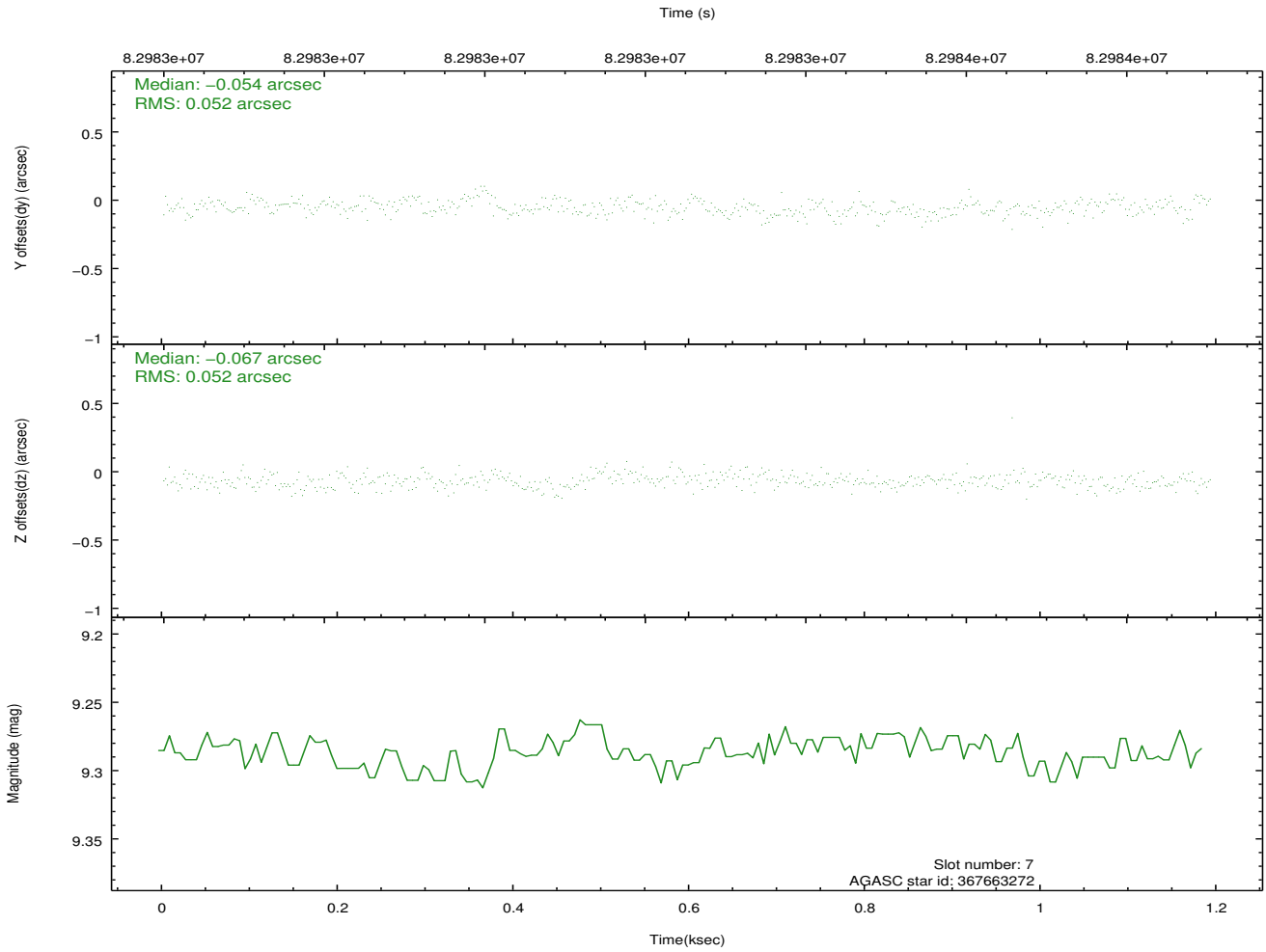
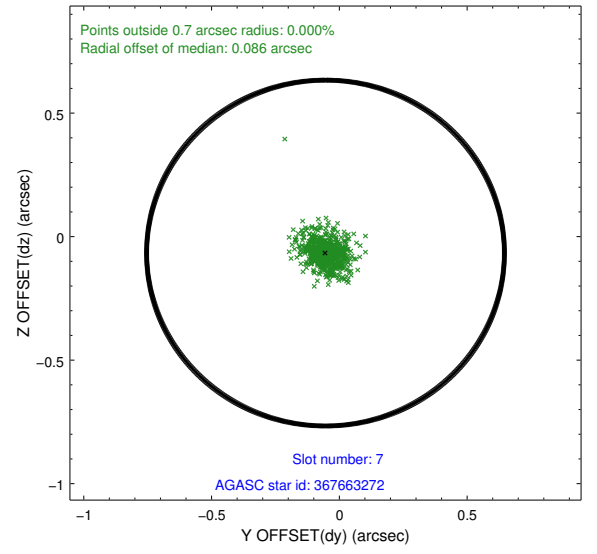
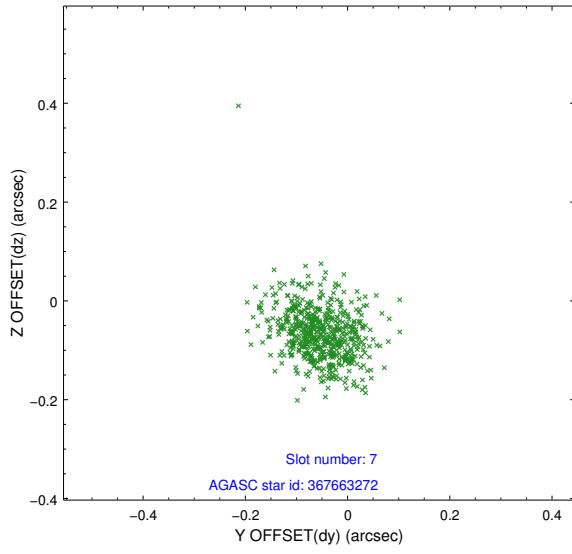
### 2.4.3 Slot 5



## 2.4.4 Slot 6

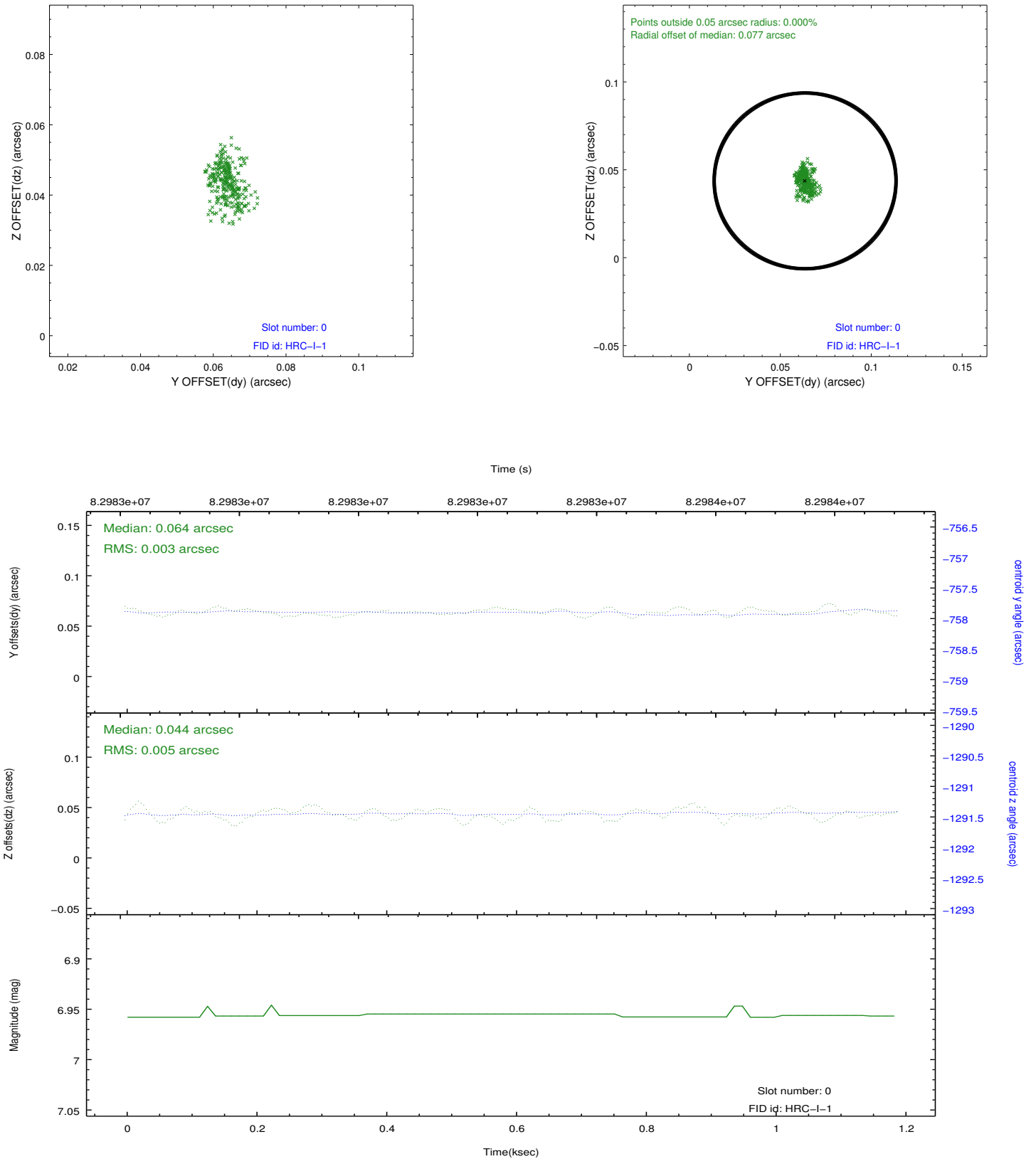


## 2.4.5 Slot 7

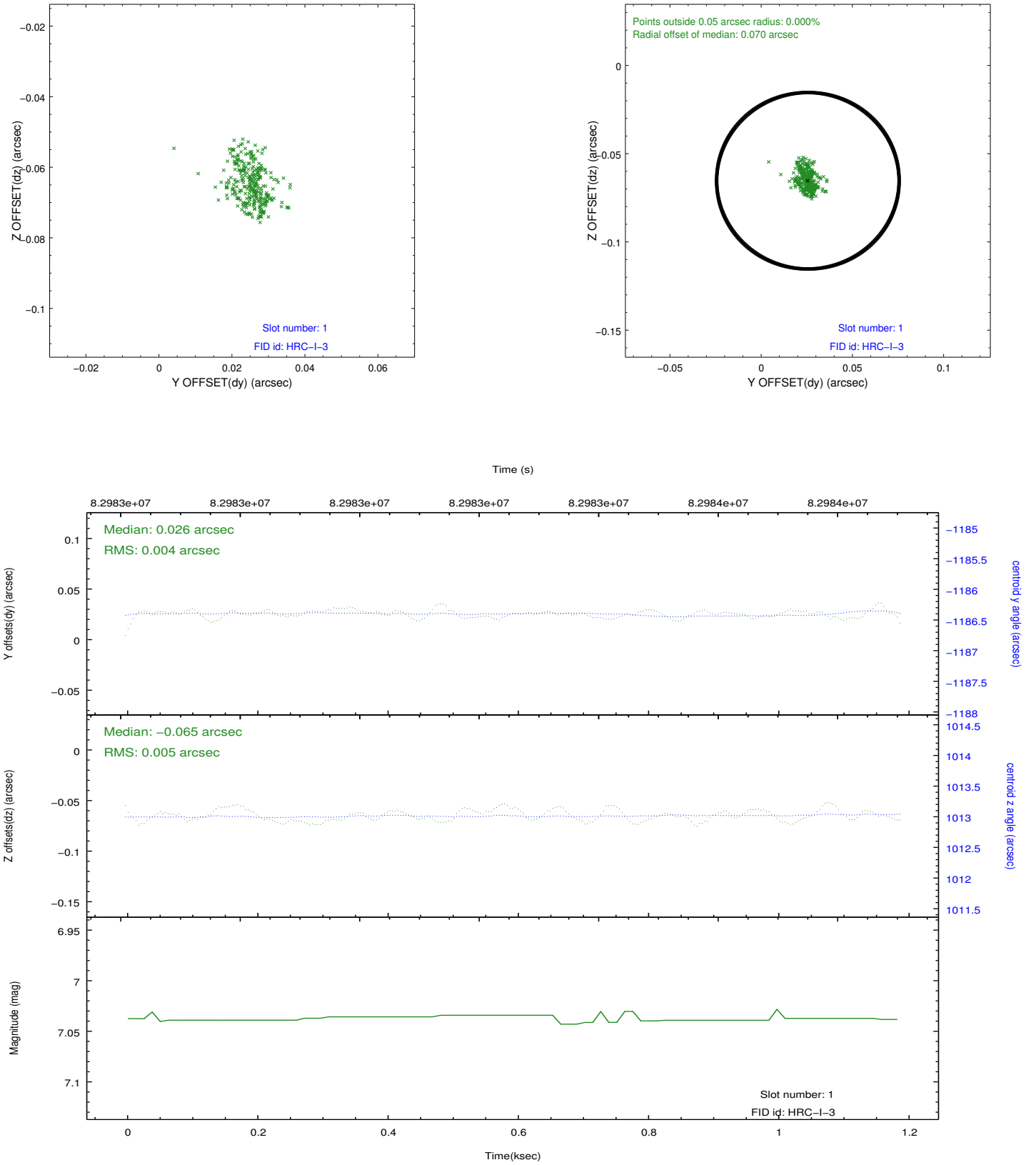


## 2.5 FID Slots

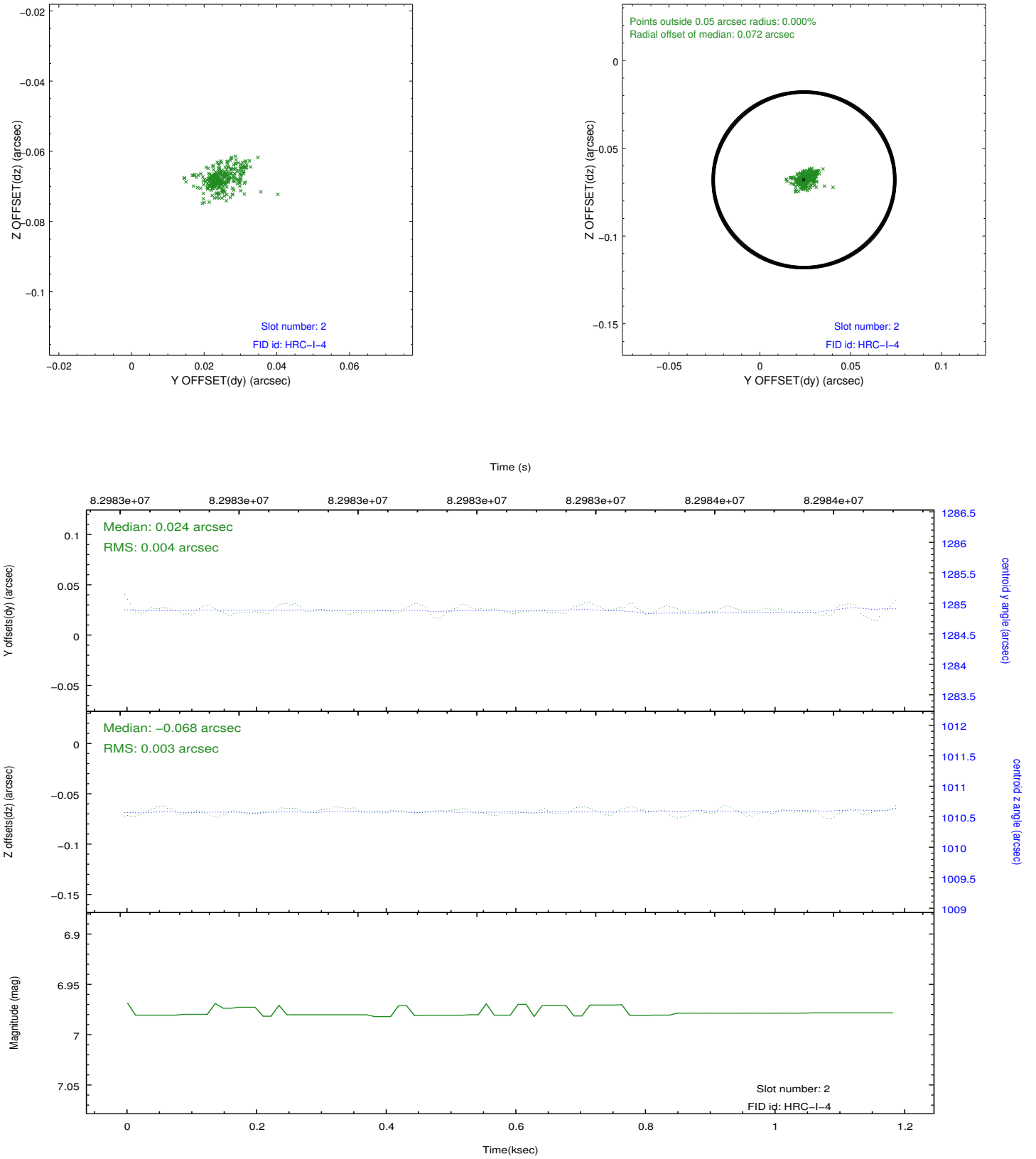
### 2.5.1 Slot 0



## 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)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

### **A.2 Comments**