

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9651 - L2 Version 3  
Chandra X-Ray Center

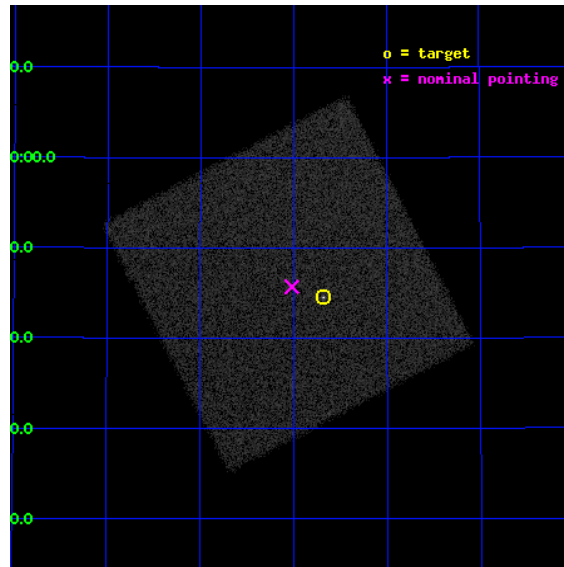
L2 Processing Date : Aug 12 2012

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# 1 Front

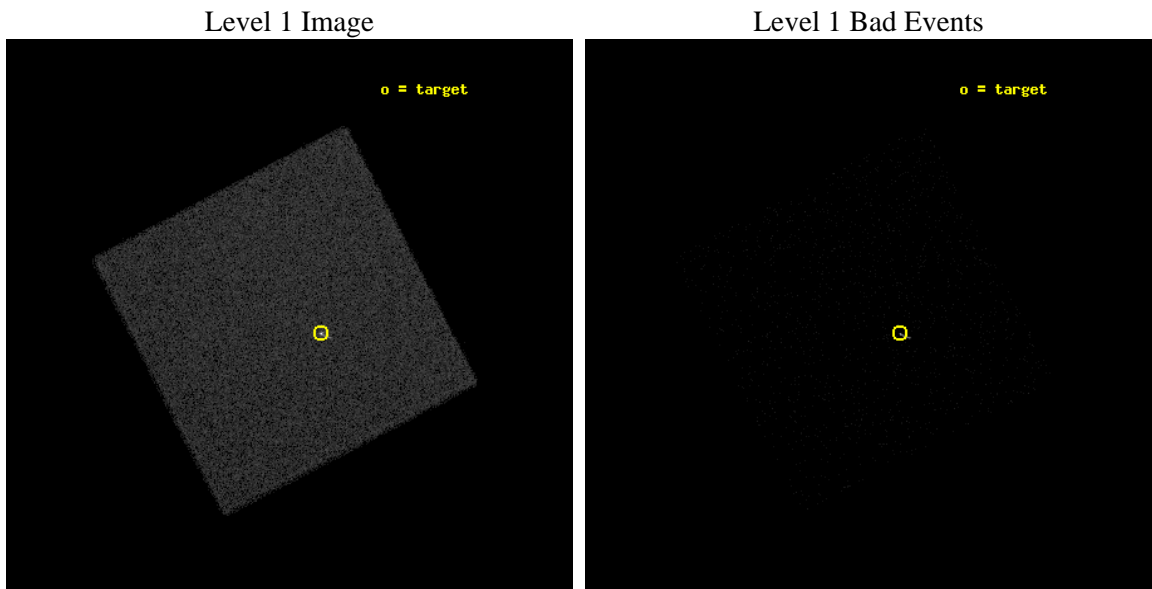
seq_num	290774	Sequence number
obs_id	9651	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25462516712	Nominal RA [deg]
dec_nom	45.762078766258	Nominal Dec [deg]
roll_nom	197.58434374156	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1360.1750667095	[s]
livetime	1345.4319901135	Ontime multiplied by DTCOR
l2events	91451	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	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1360.1750667095	[s]
caldbver	4.5.1.1	&#160	l1events	163691	Number of level 1 events
date	2012-08-12T19:45:46	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

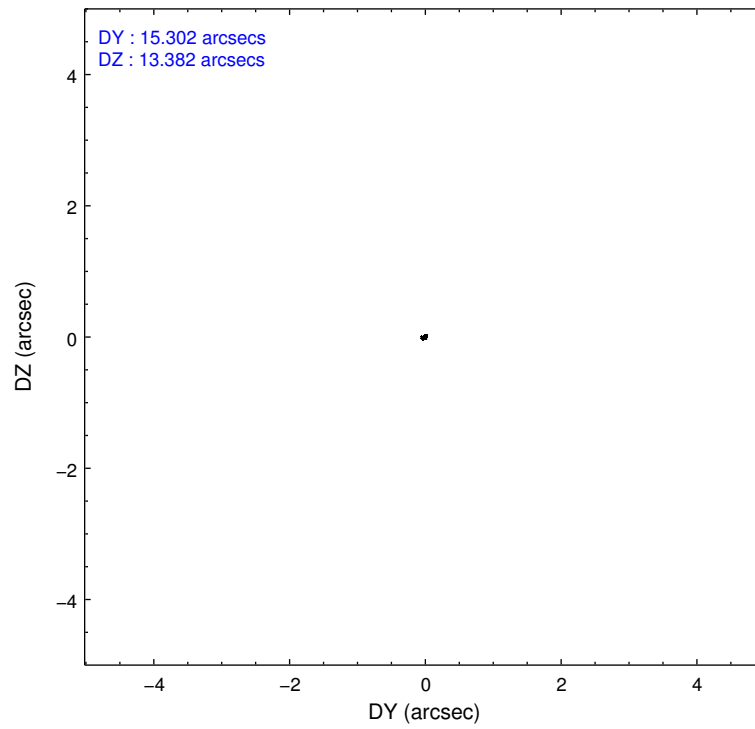
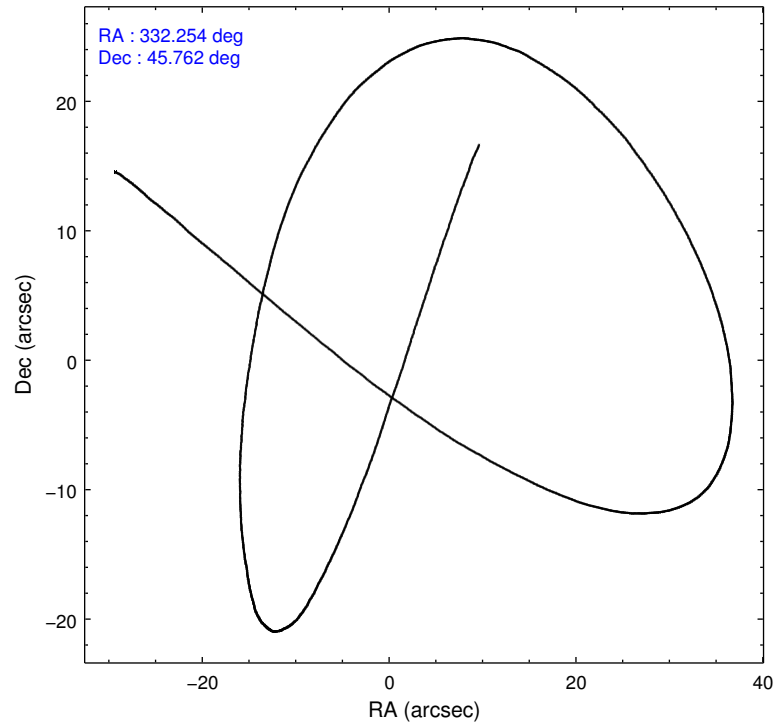
	<b>segment 0</b>
level 1 events	163691
rejected events	31955
rejected %	19%

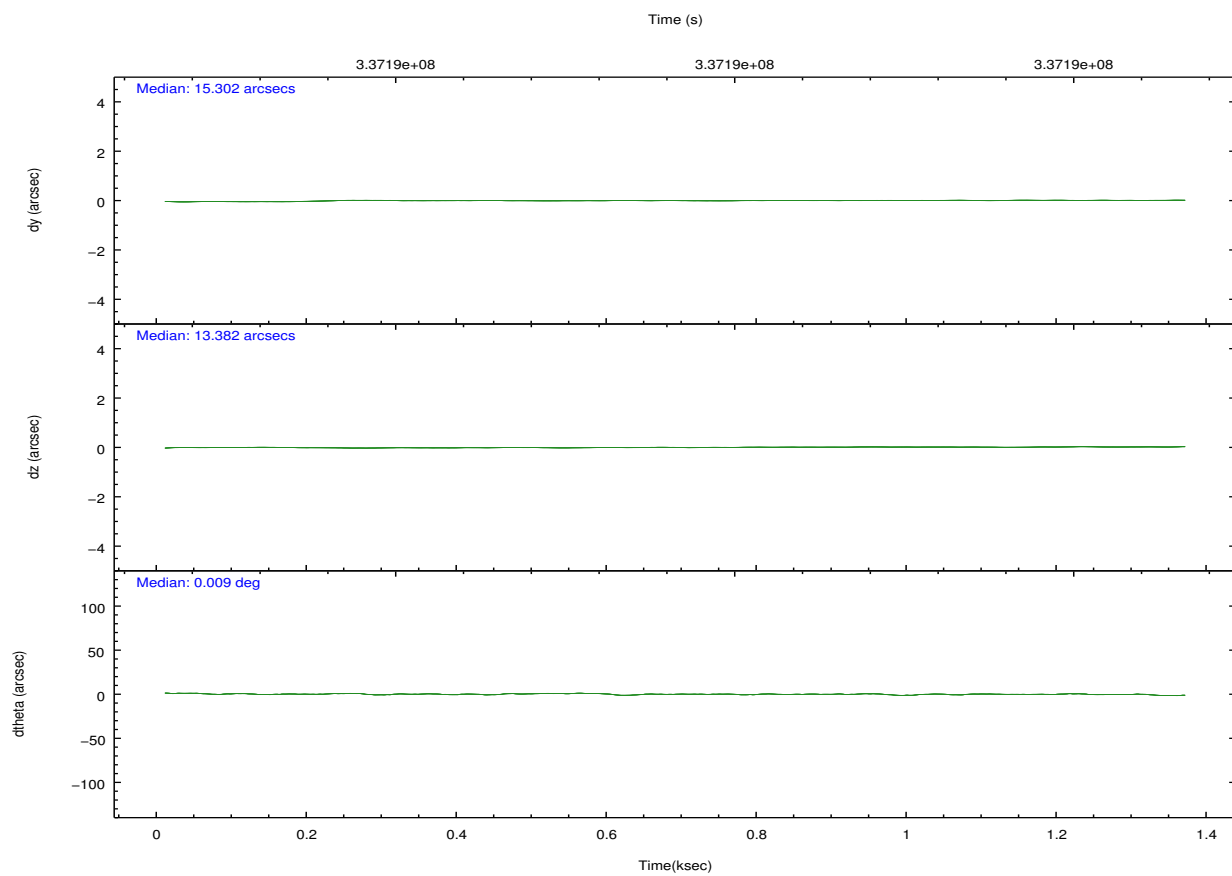
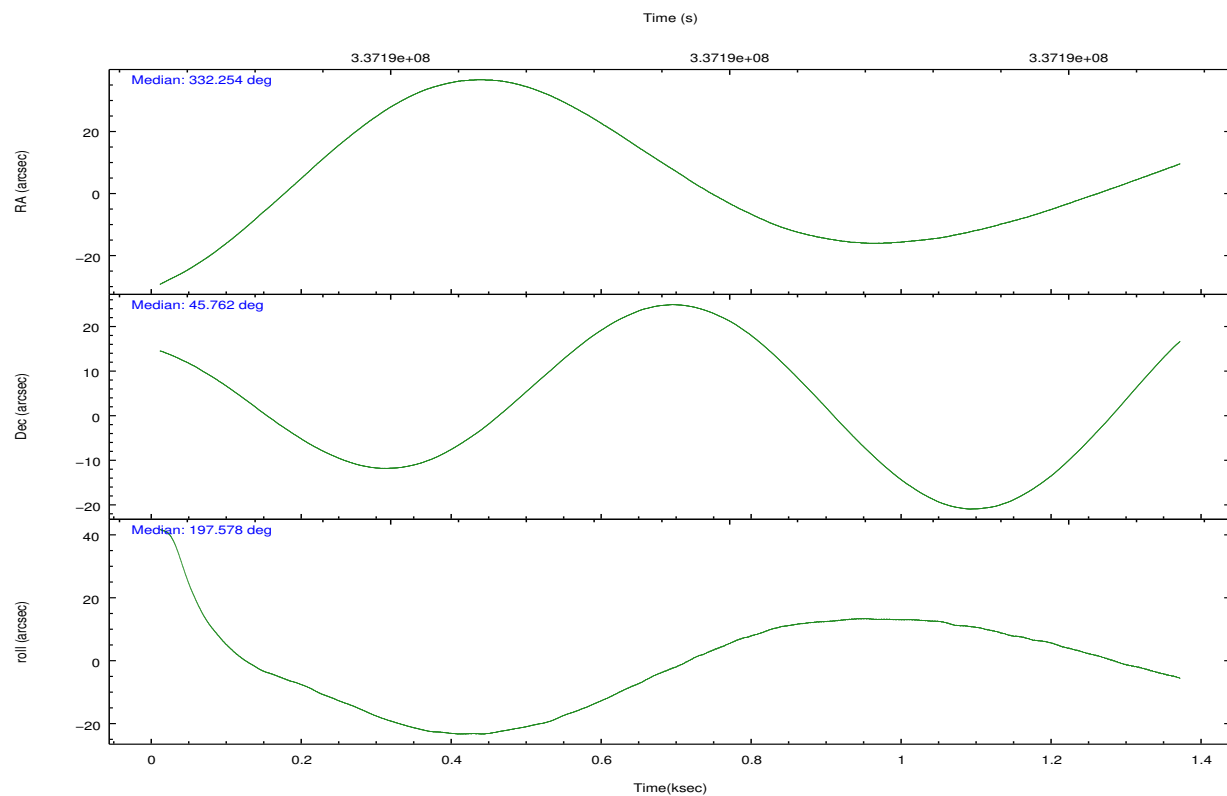
## 2.2 Compared Parameters

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	332.280602	332.2546251671234
[deg] Pointing Dec	45.783378	45.76207876625794
[deg] Pointing Roll	197.661151	197.5843437415647
[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)	337188417.184000	337188041.0311
Observation start date	2008-09-07T15:25:52	2008-09-07T15:20:41
[s] Observation end time (MET)	337189597.184000	337189730.74368
Observation end date	2008-09-07T15:45:32	2008-09-07T15:48:50

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

## 2.3 Aspect



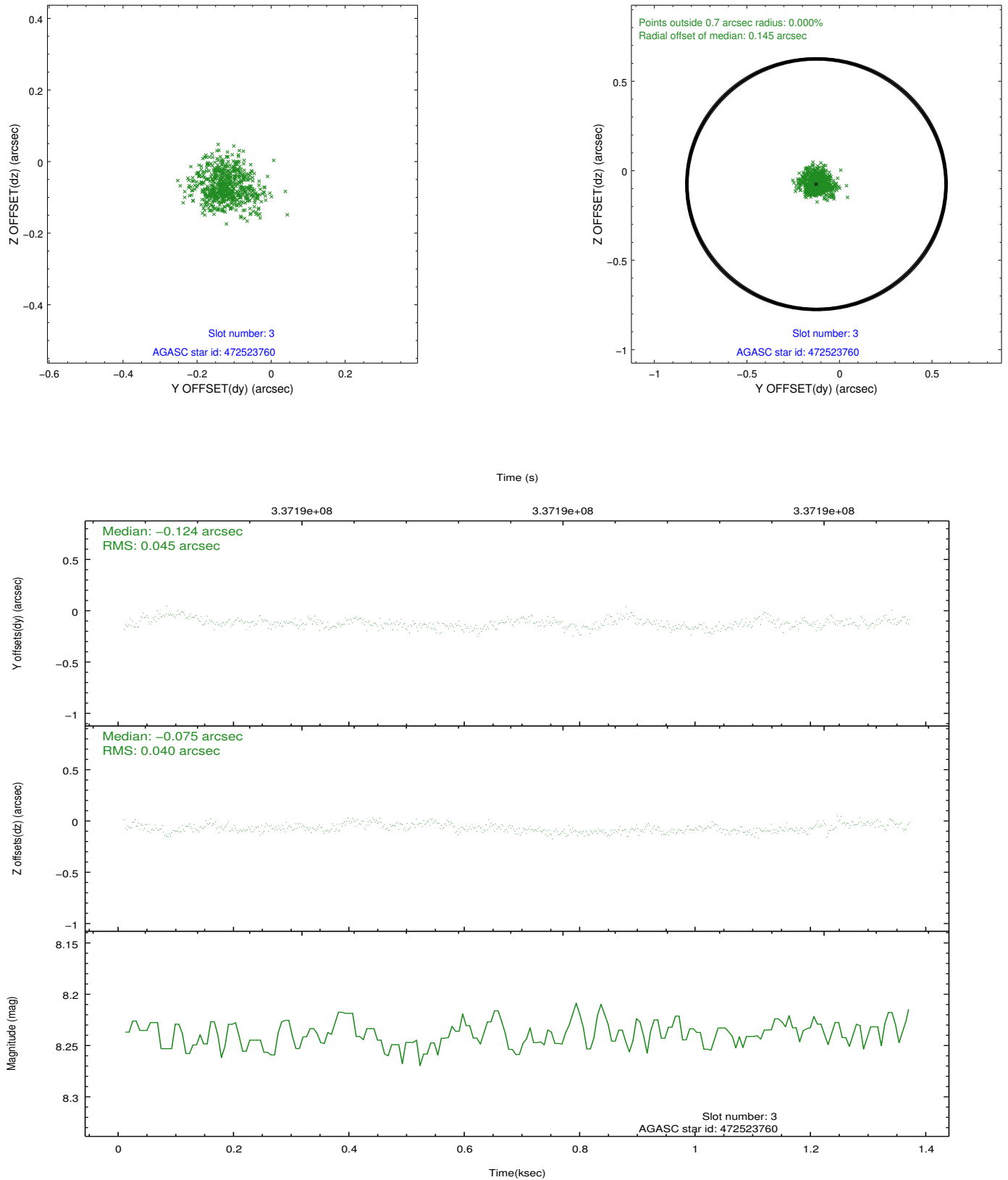


### Slot Statistics

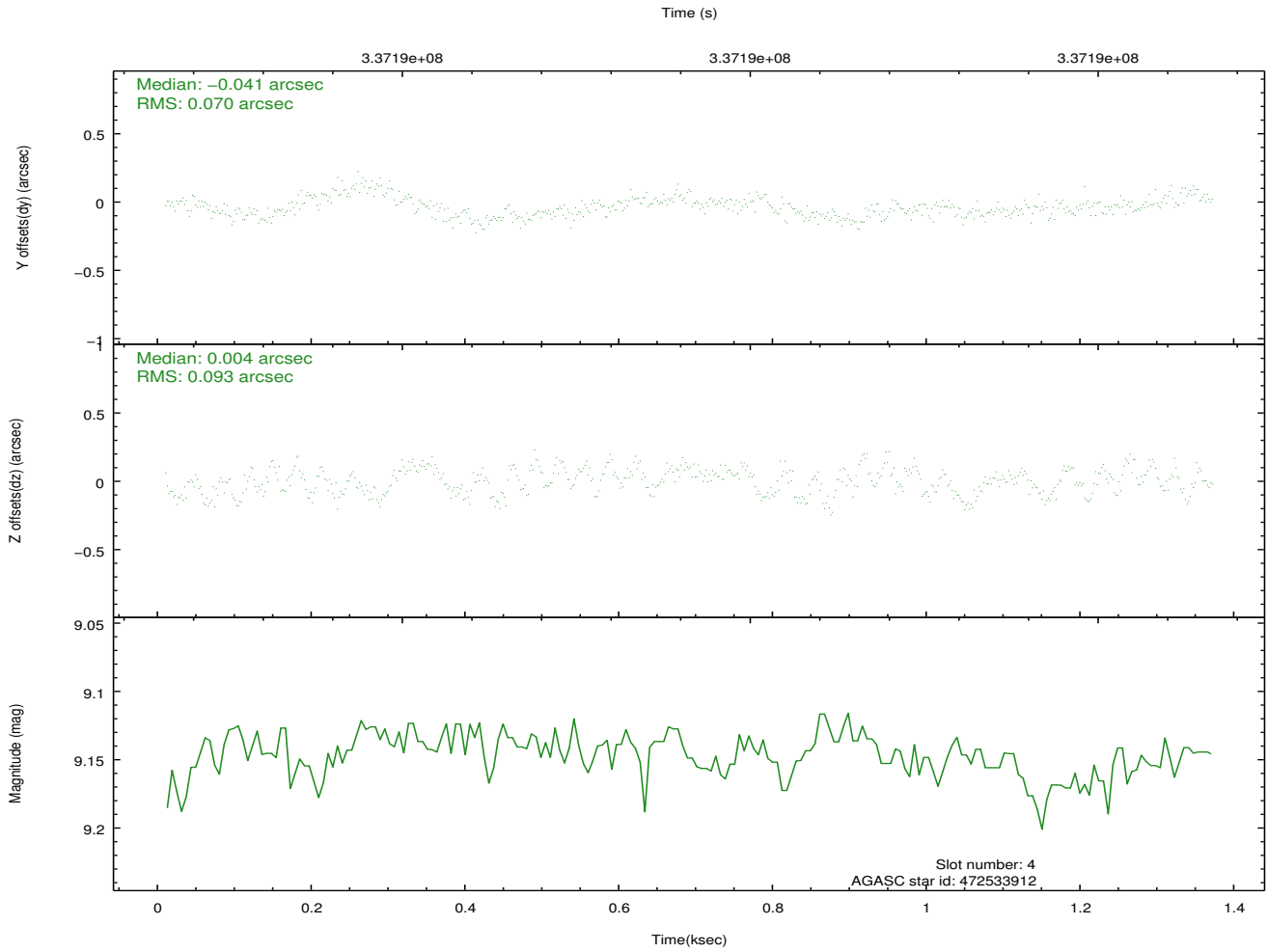
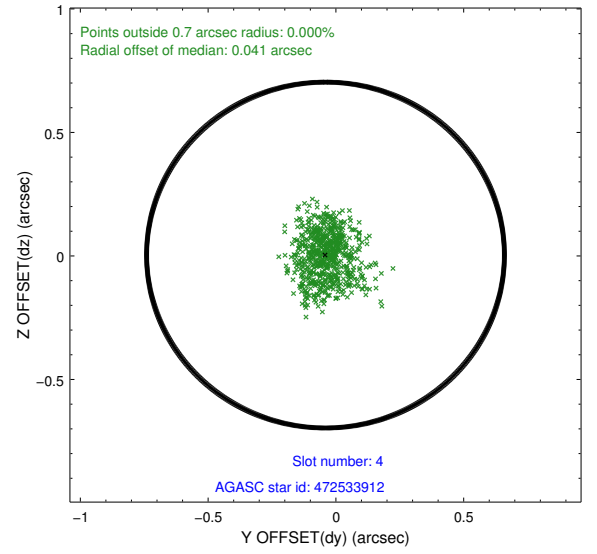
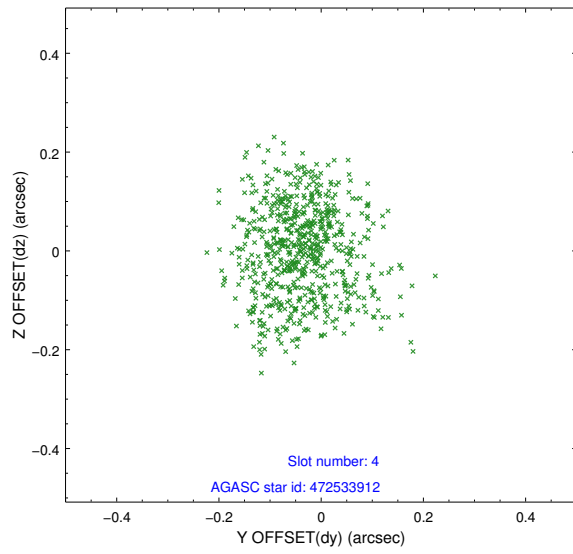
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	332	-0.066	0.017	0.006	0.011	0.000000	0.000000	-771.19	-1301.39
1	FID	HRC-I-2	7.03	332	0.237	-0.145	0.006	0.011	0.000000	0.000000	839.42	-1307.06
2	FID	HRC-I-3	7.08	332	-0.052	0.037	0.006	0.010	0.000000	0.000000	-1197.10	999.27
3	GUIDE	472523760	8.24	665	-0.124	-0.075	0.064	0.105	331.645363	45.403260	1941.80	808.75
4	GUIDE	472533912	9.15	665	-0.041	0.004	0.125	0.194	331.791136	46.368695	520.04	-2381.17
5	GUIDE	472535576	7.87	665	-0.060	0.064	0.074	0.115	331.438373	46.291802	1437.44	-2395.80
6	GUIDE	472655152	9.44	665	0.100	0.056	0.118	0.191	332.504239	45.862991	-620.46	-109.44
7	GUIDE	472665256	9.02	663	0.131	-0.050	0.091	0.147	332.808125	46.195041	-1705.51	-1020.06

## 2.4 Star Slots

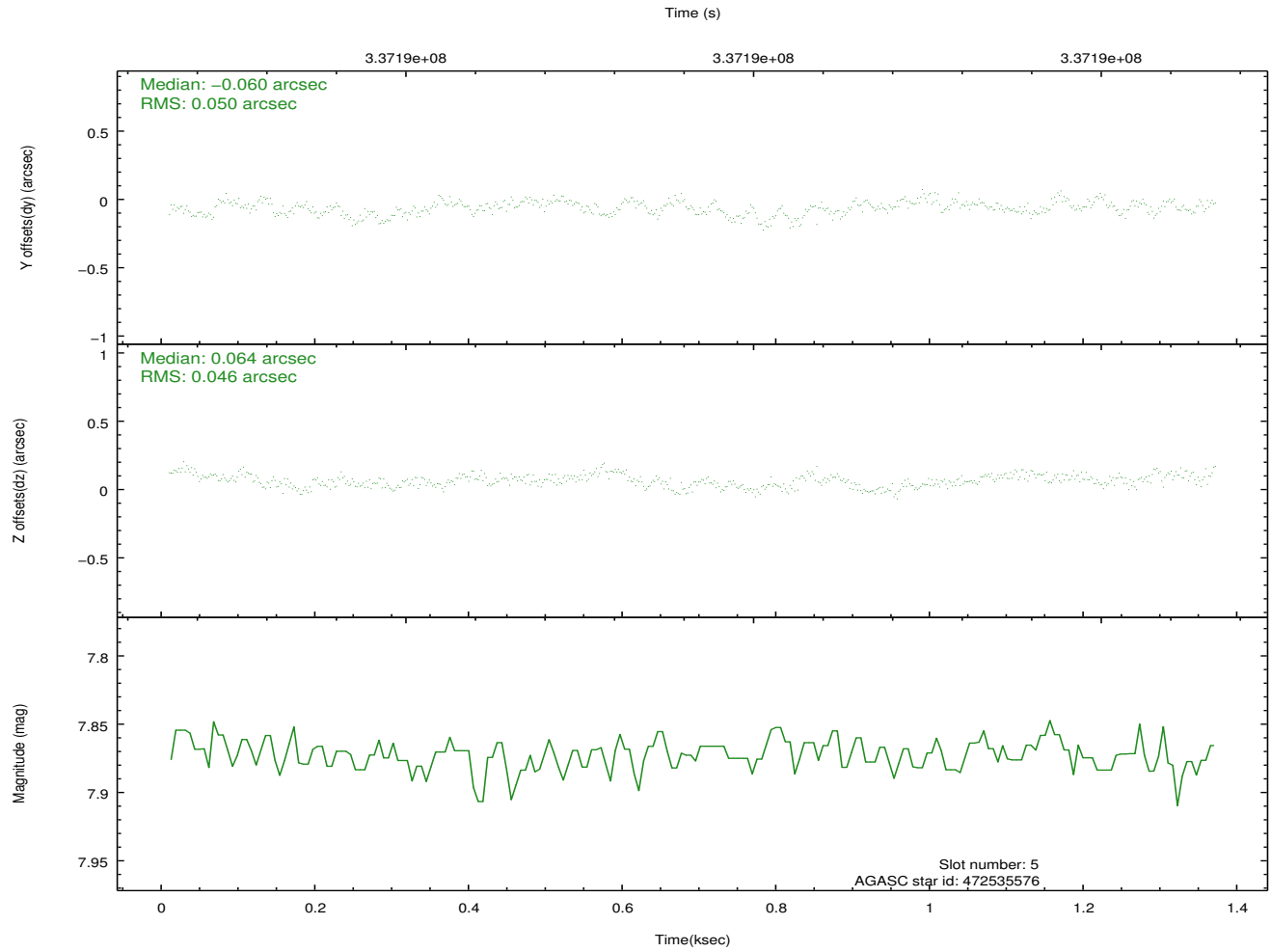
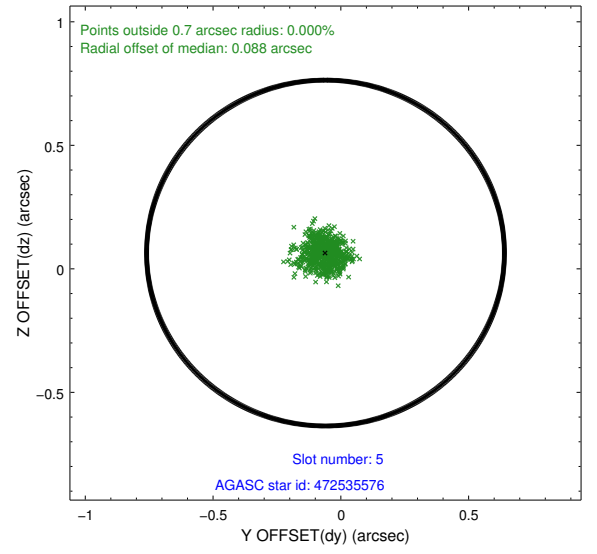
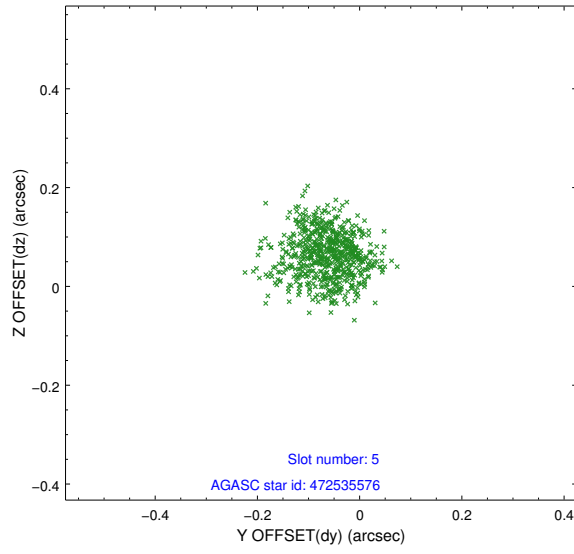
### 2.4.1 Slot 3



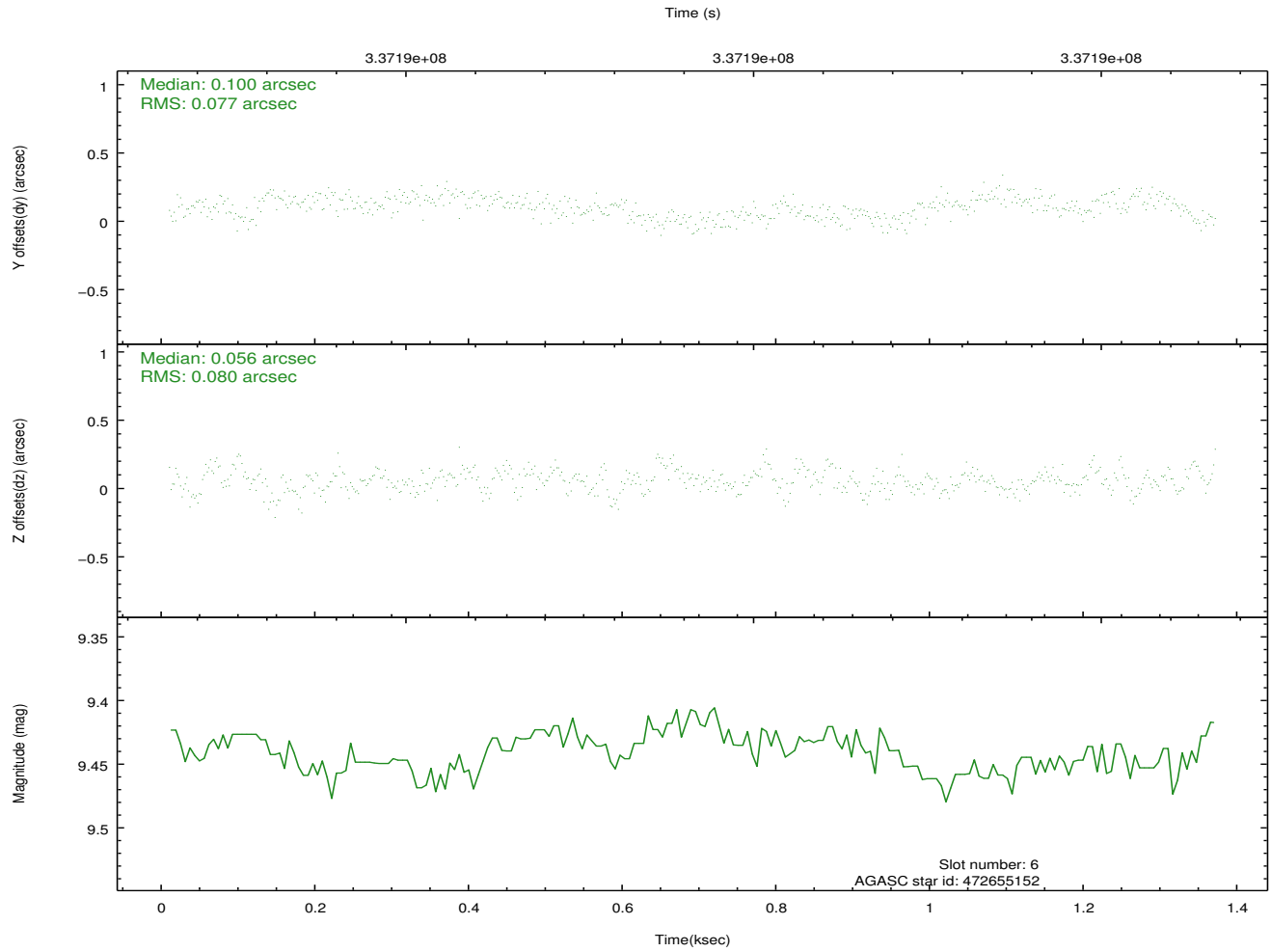
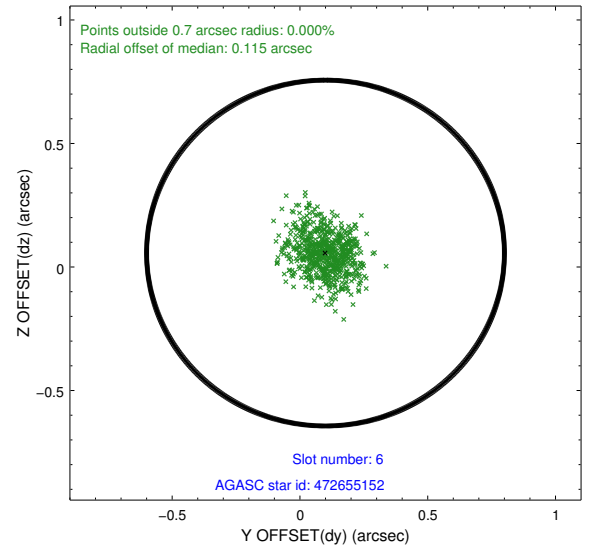
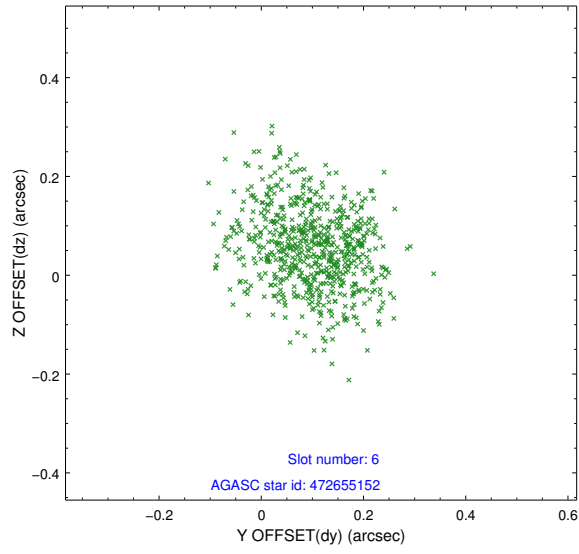
## 2.4.2 Slot 4



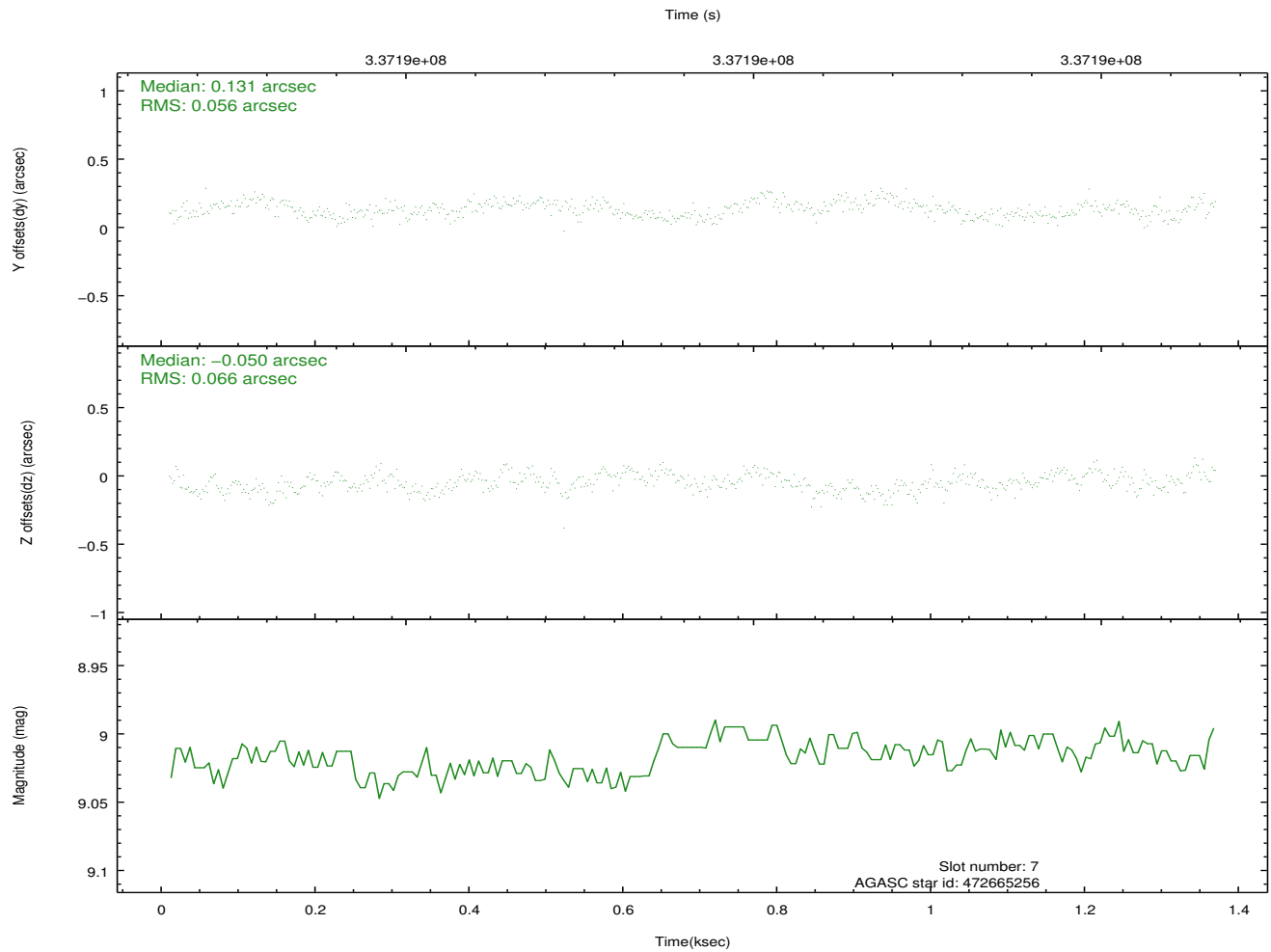
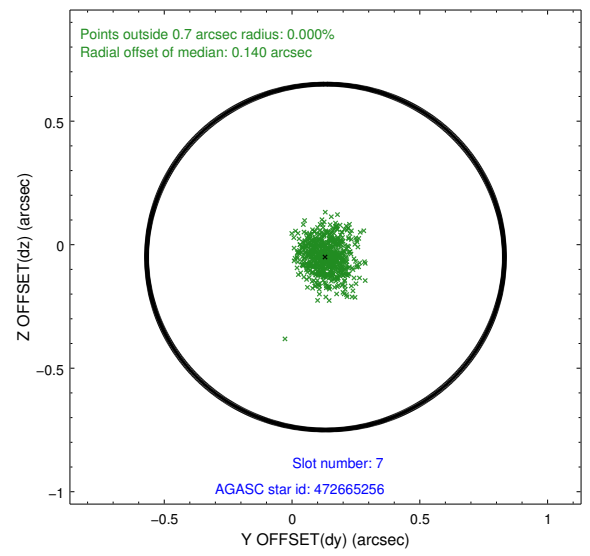
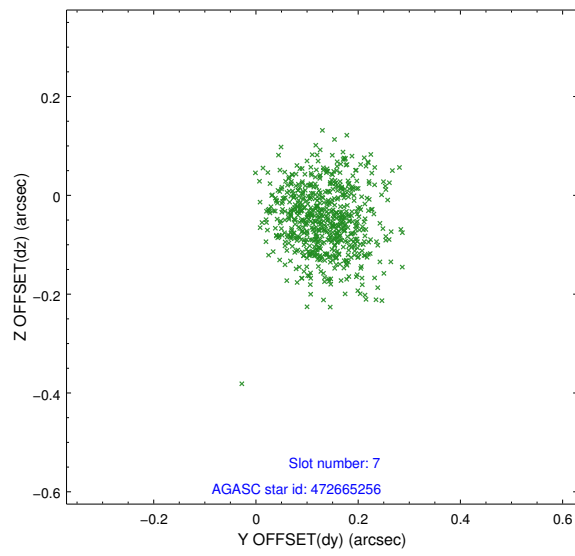
### 2.4.3 Slot 5



## 2.4.4 Slot 6

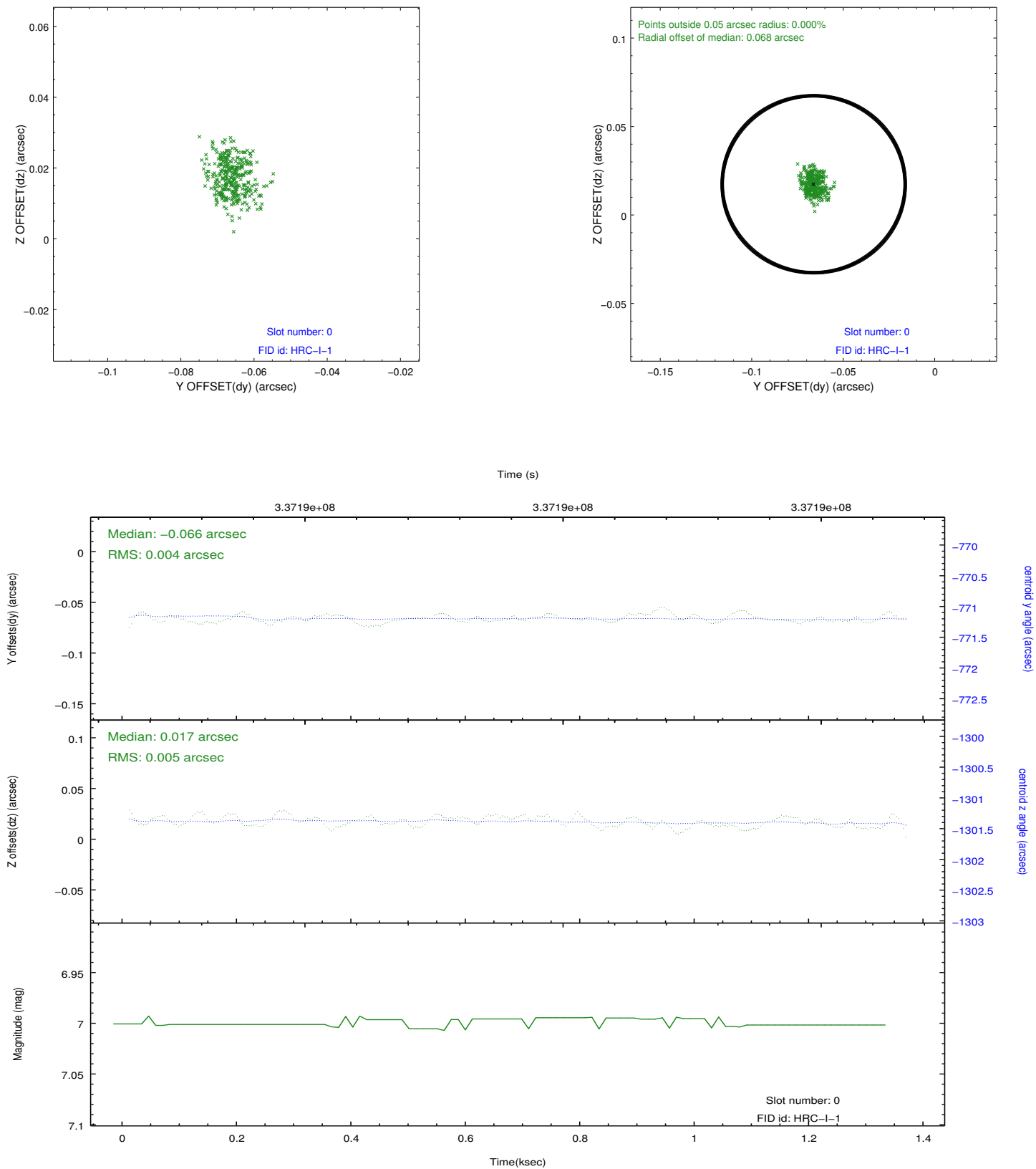


## 2.4.5 Slot 7

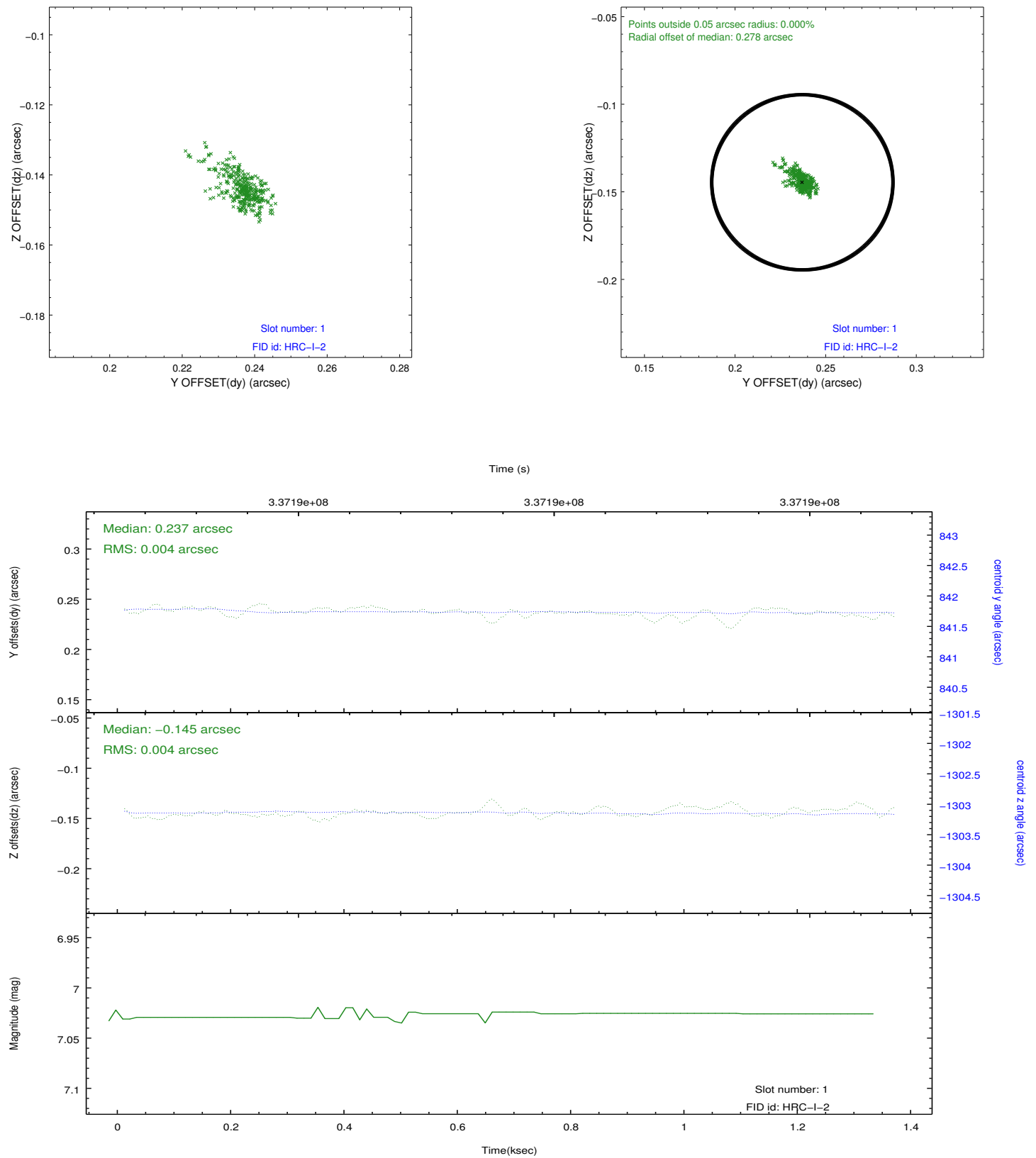


## 2.5 FID Slots

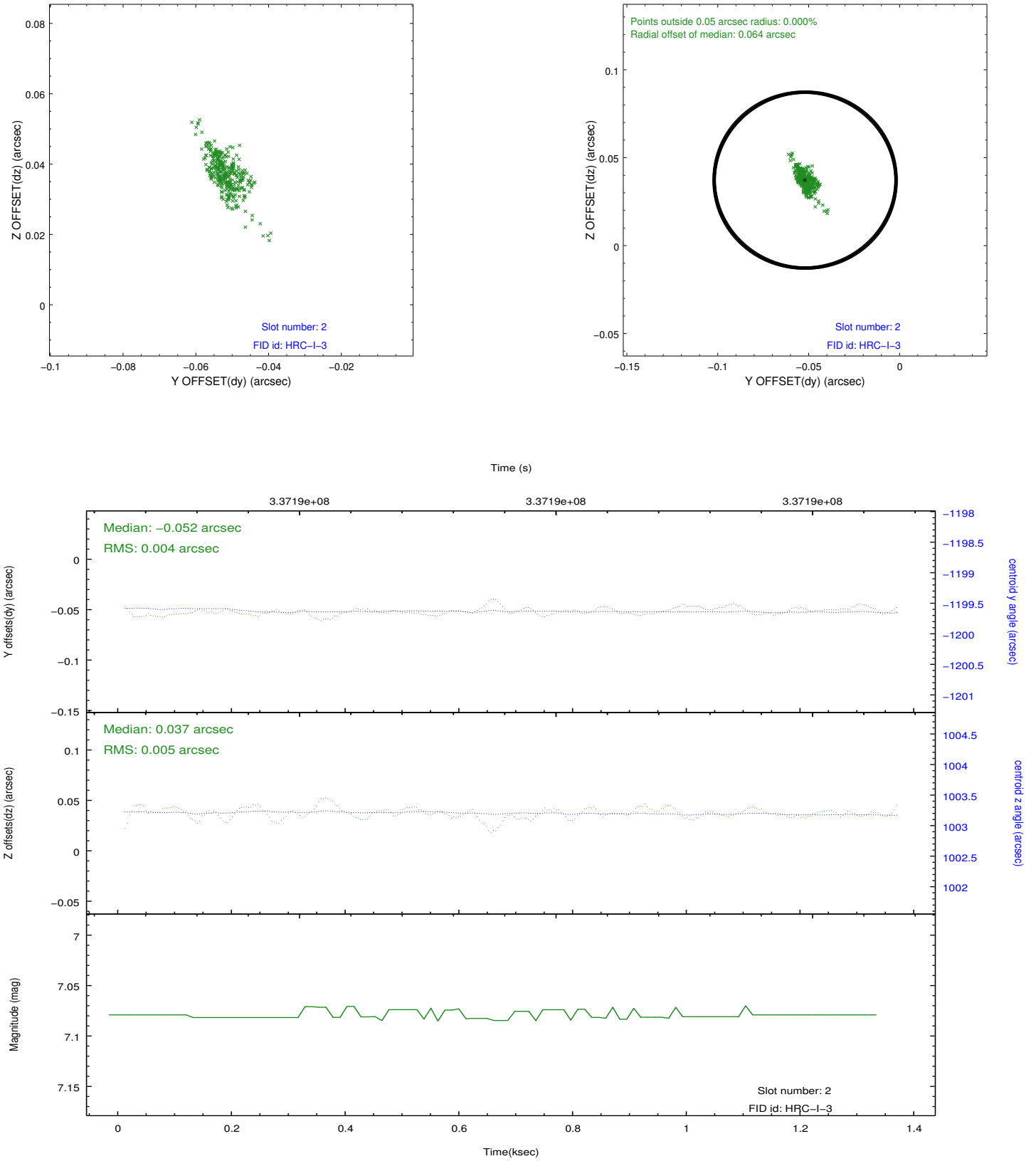
### 2.5.1 Slot 0



## 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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.36043131

### A.2 Comments