

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8354 - L2 Version 5  
Chandra X-Ray Center

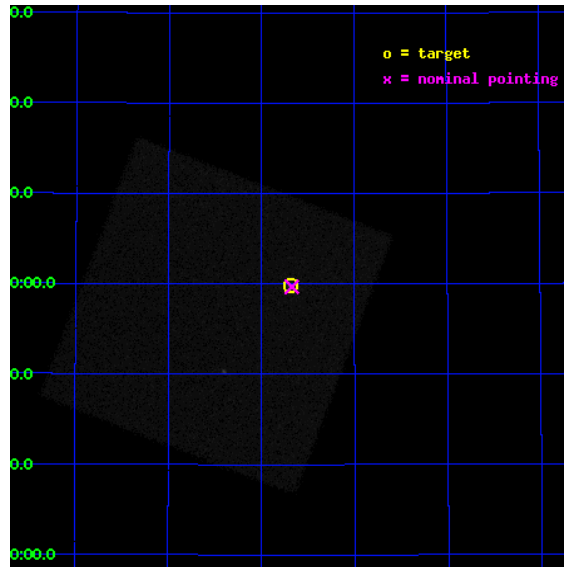
L2 Processing Date : Aug 11 2012

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# 1 Front

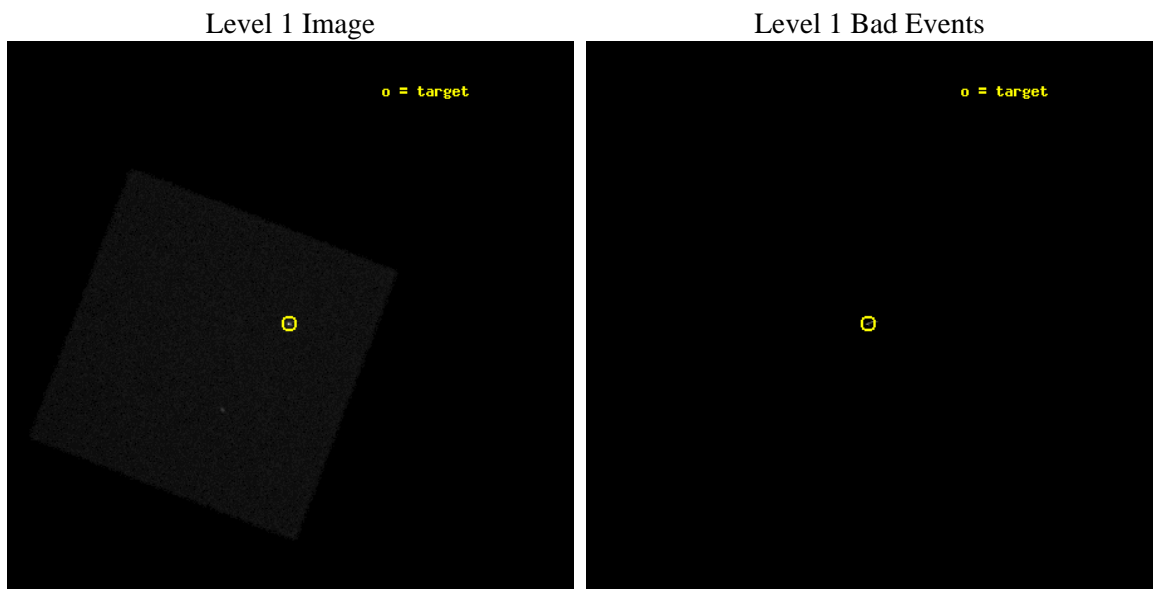
seq_num	290733	Sequence number
obs_id	8354	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.168169768669	Nominal RA [deg]
dec_nom	45.994797127472	Nominal Dec [deg]
roll_nom	245.96614073211	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5181.6314956546	[s]
livetime	5122.2102667776	Ontime multiplied by DTCOR
l2events	422749	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5181.6314956546	[s]
caldbver	4.5.1.1	&#160	l1events	597192	Number of level 1 events
date	2012-08-11T16:51:49	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

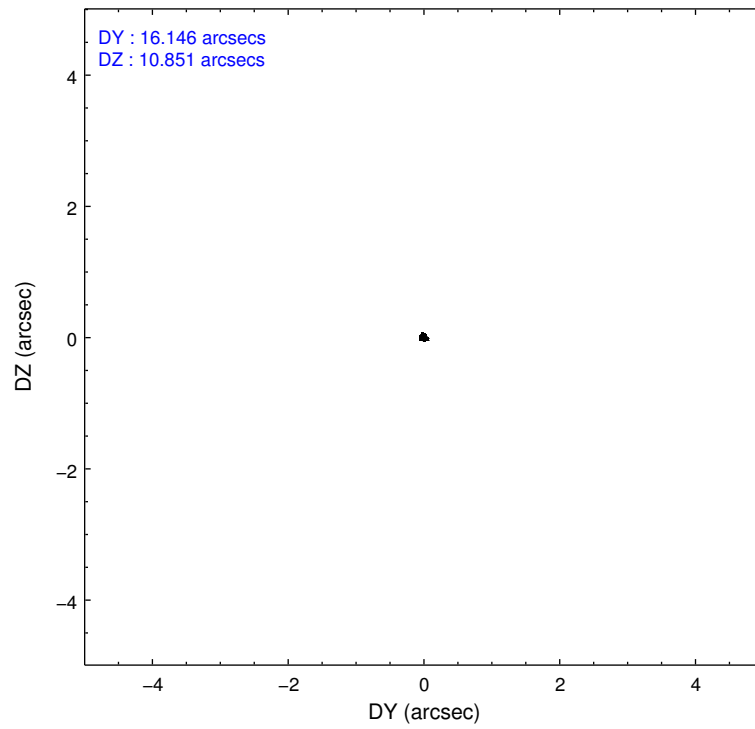
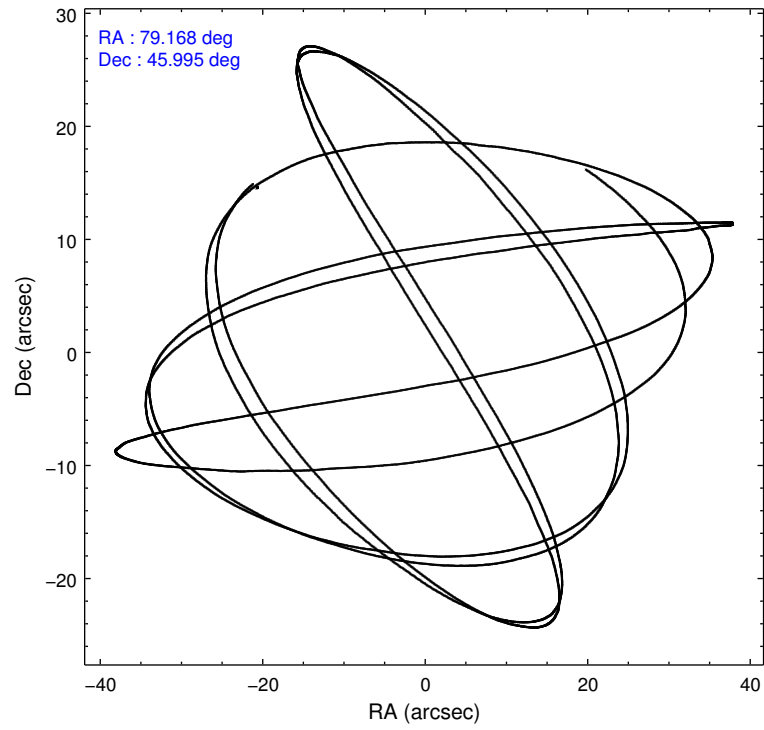
#### Level 1 Events

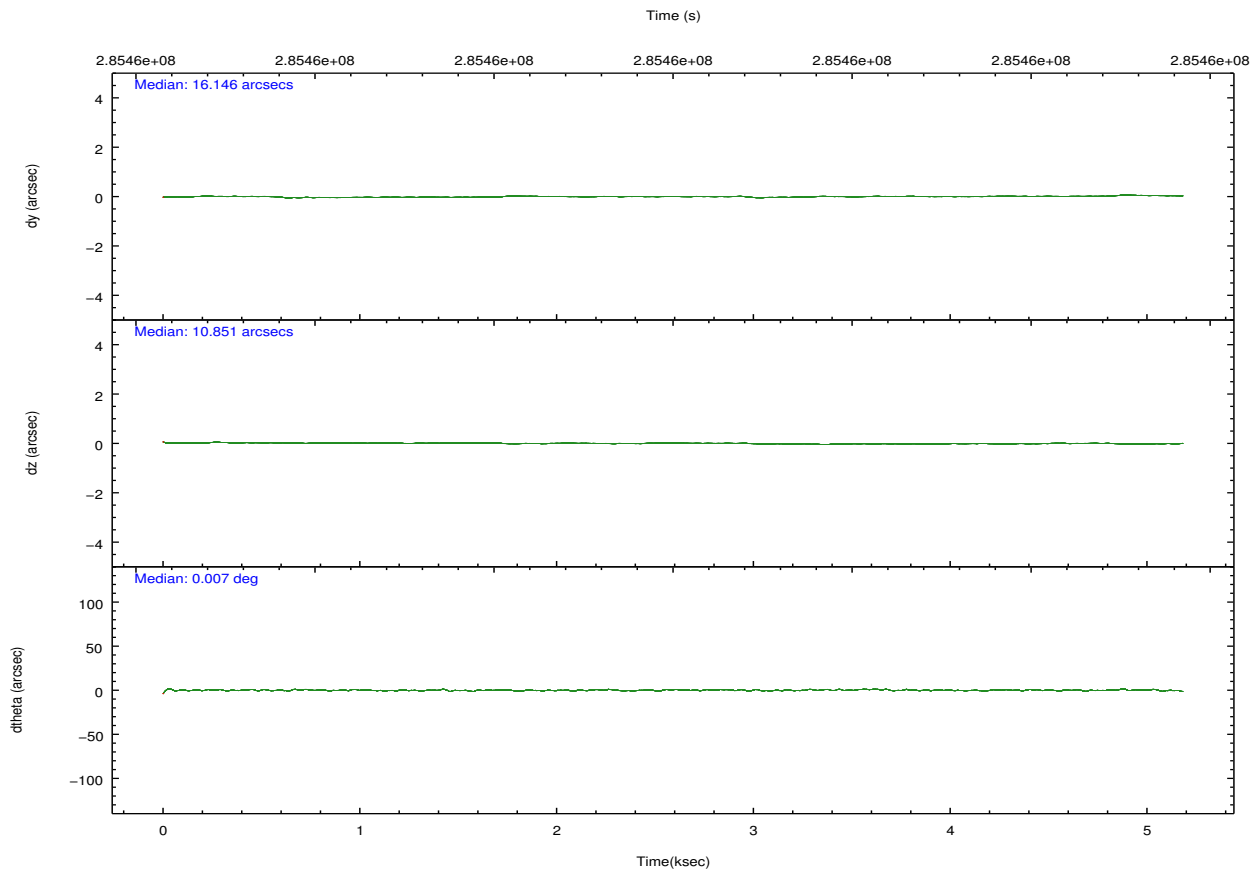
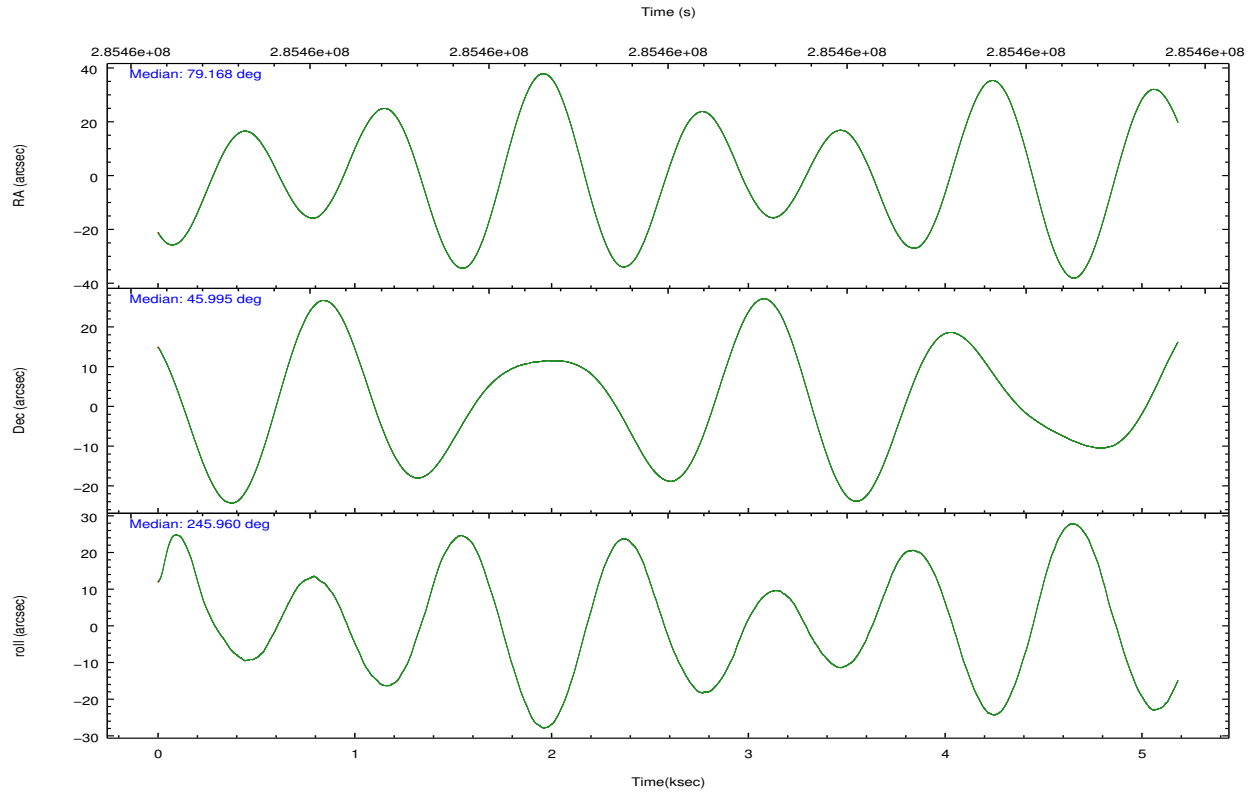
	<b>segment 0</b>
level 1 events	597192
rejected events	31774
rejected %	5%

## 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	79.163178	79.1681697686693			
[deg] Pointing Dec	46.022022	45.99479712747232			
[deg] Pointing Roll	246.065217	245.9661407321093			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	99.985494	99.99180522773965			
[mm] SIM translation stage offset	27	26.99368366386192			
[s] Observation start time (MET)	285457592.184000	285457215.87429			
Observation start date	2007-01-17T21:45:27	2007-01-17T21:40:15			
[s] Observation end time (MET)	285462592.184000	285462725.76205			
Observation end date	2007-01-17T23:08:47	2007-01-17T23:12:05			

## 2.3 Aspect



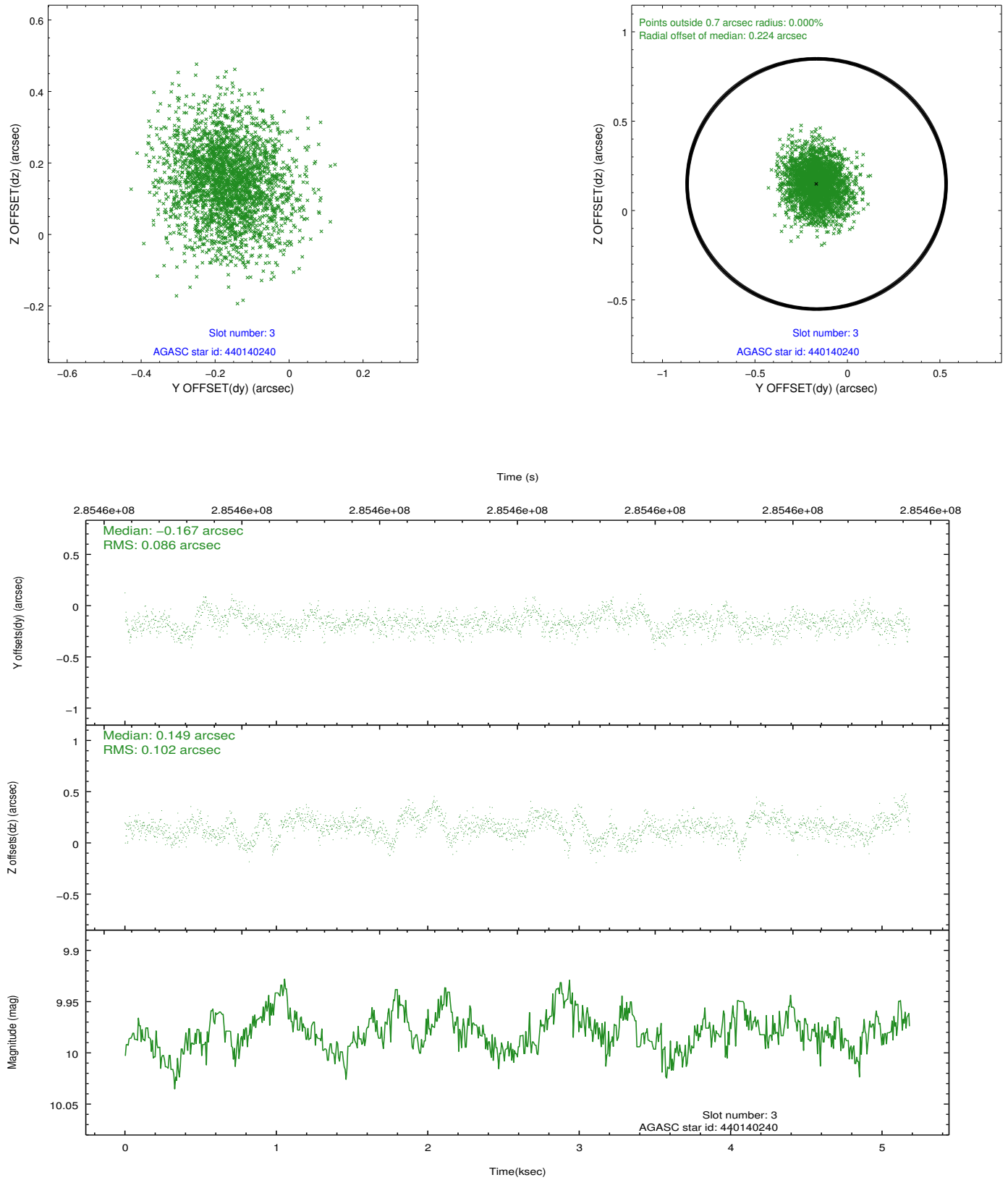


### Slot Statistics

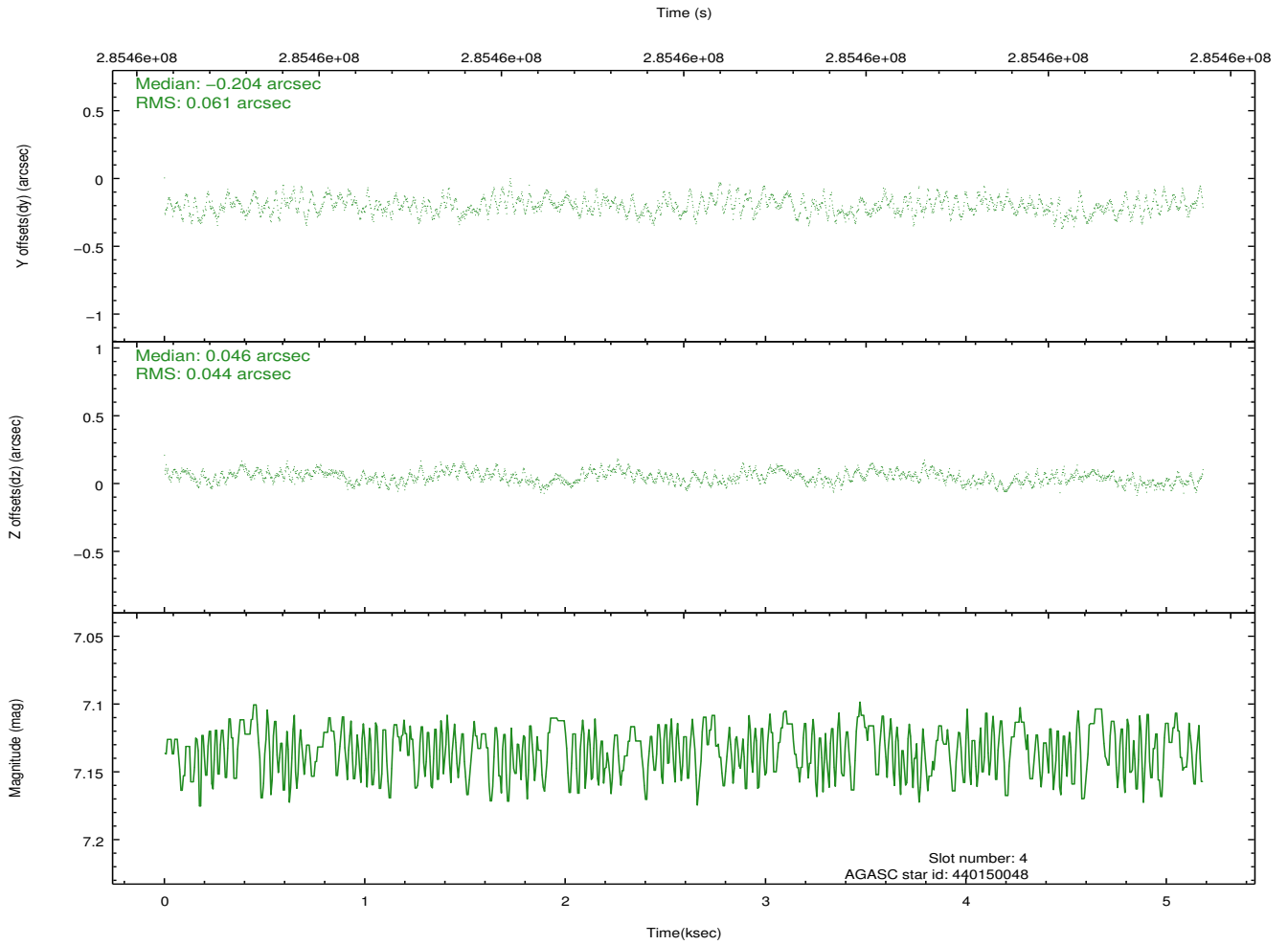
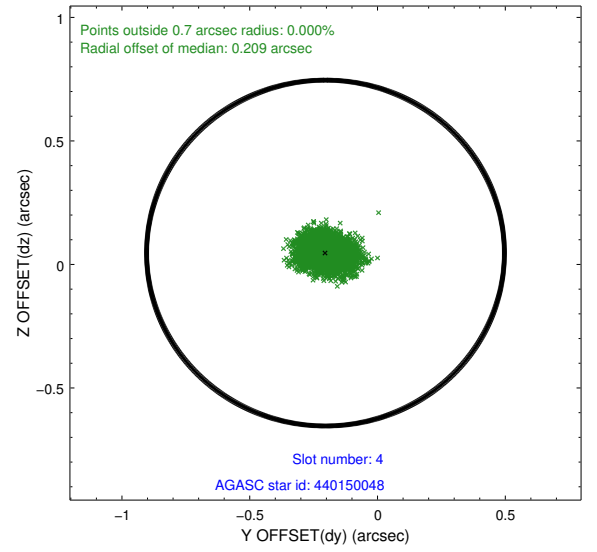
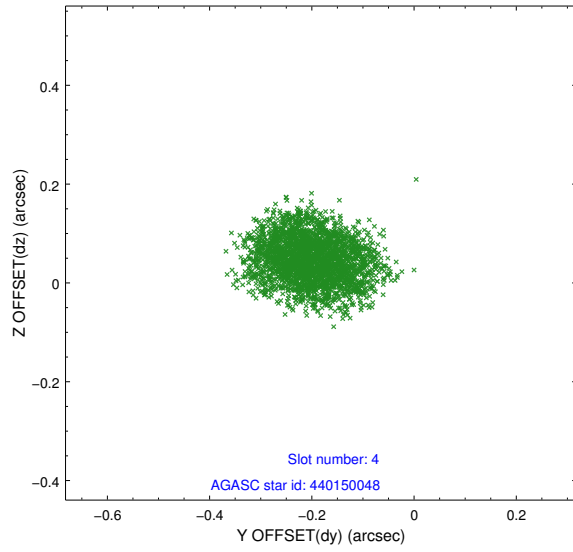
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	1264	-0.034	0.105	0.008	0.014	0.000000	0.000000	-770.92	-746.74
1	FID	HRC-I-2	7.10	1265	-0.022	0.096	0.006	0.010	0.000000	0.000000	839.54	-745.91
2	FID	HRC-I-3	7.07	1264	0.176	-0.287	0.006	0.011	0.000000	0.000000	-1200.19	1559.76
3	GUIDE	440140240	9.98	2528	-0.167	0.149	0.143	0.232	78.889349	46.726437	-2045.14	-1647.18
4	GUIDE	440150048	7.13	2529	-0.204	0.046	0.083	0.127	79.112838	46.416060	-1247.20	-690.59
5	GUIDE	438448496	8.03	2528	0.426	-0.101	0.096	0.155	77.967952	45.656964	2400.59	-2225.12
6	GUIDE	440163960	8.88	2528	-0.048	-0.020	0.083	0.134	79.298370	45.827072	503.97	593.65
7	GUIDE	440163560	9.55	2527	-0.010	-0.075	0.111	0.184	79.359509	46.135242	-571.99	282.01

## 2.4 Star Slots

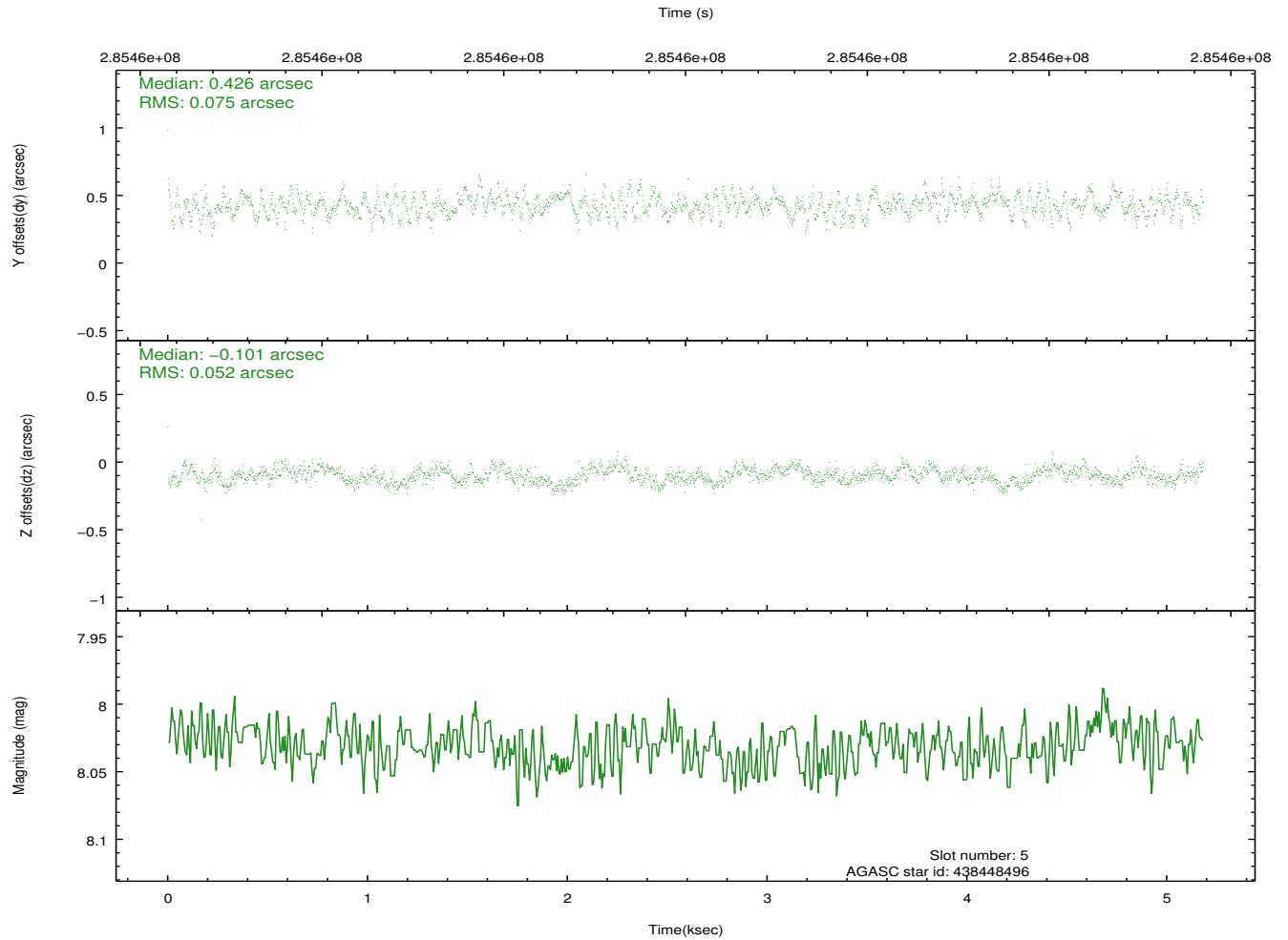
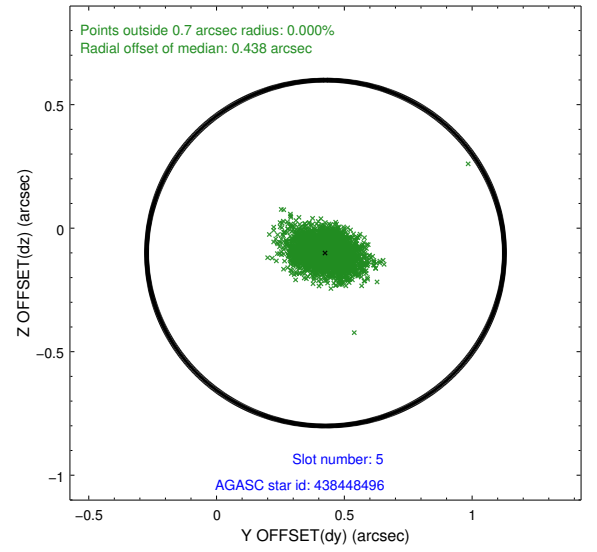
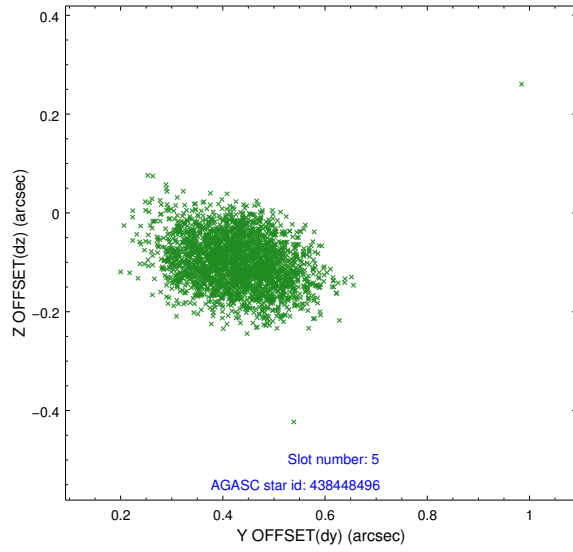
### 2.4.1 Slot 3



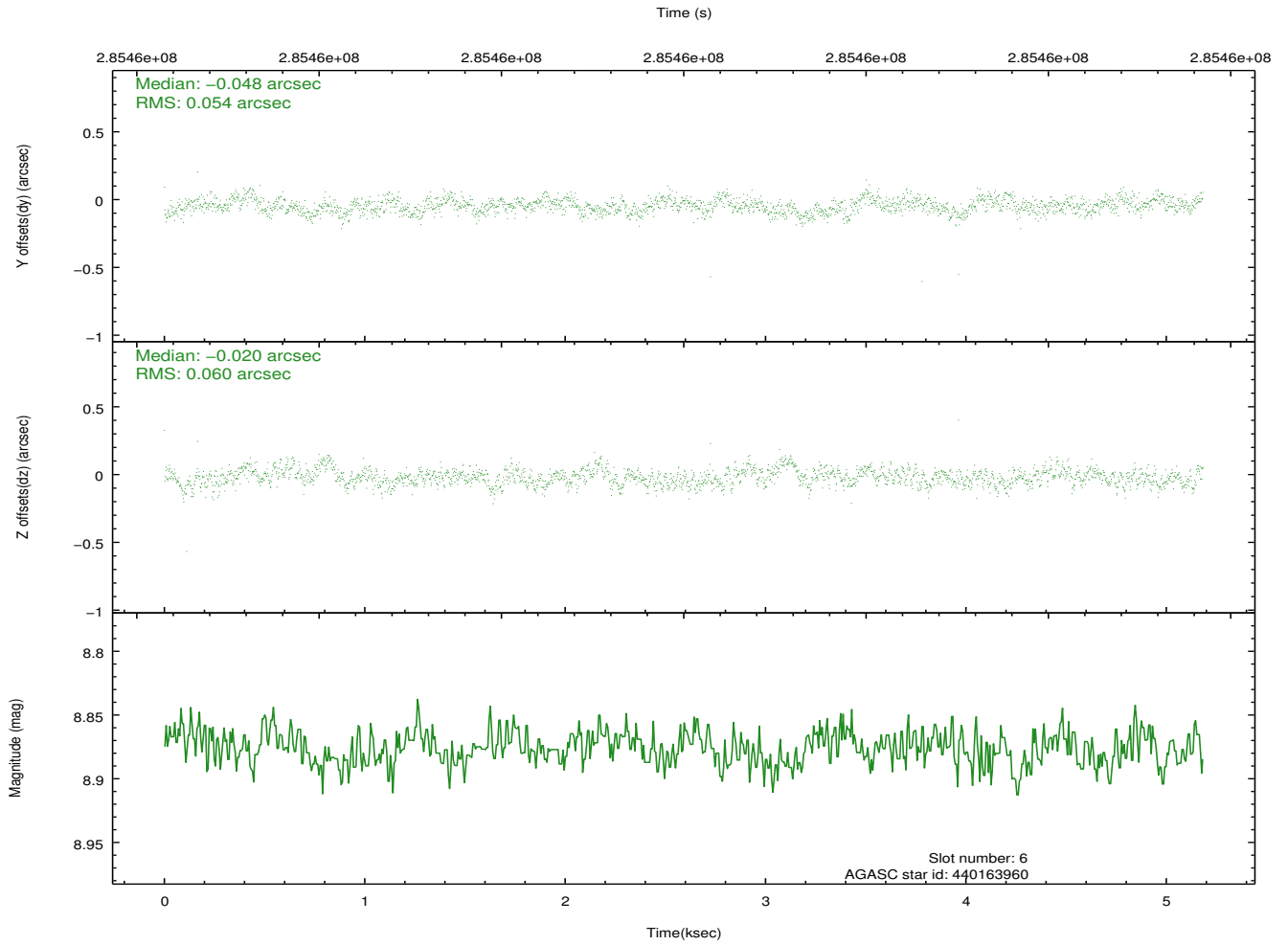
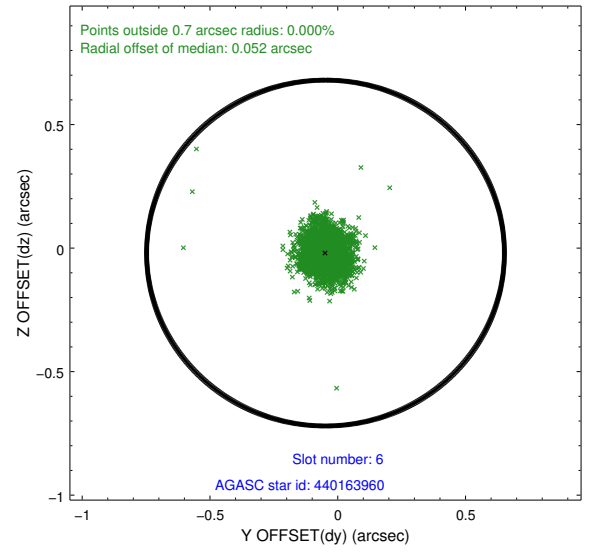
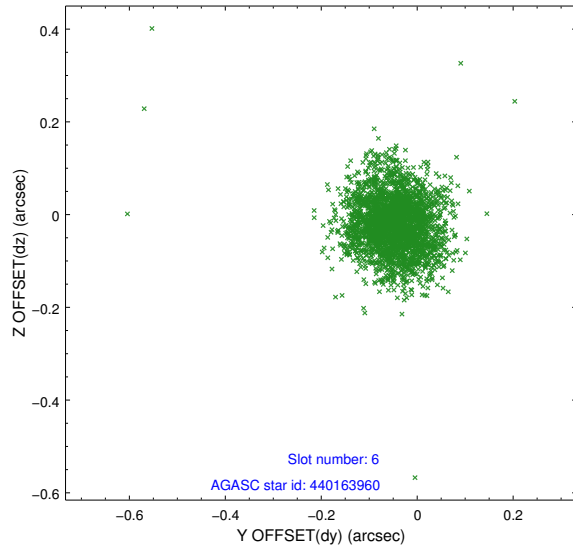
## 2.4.2 Slot 4



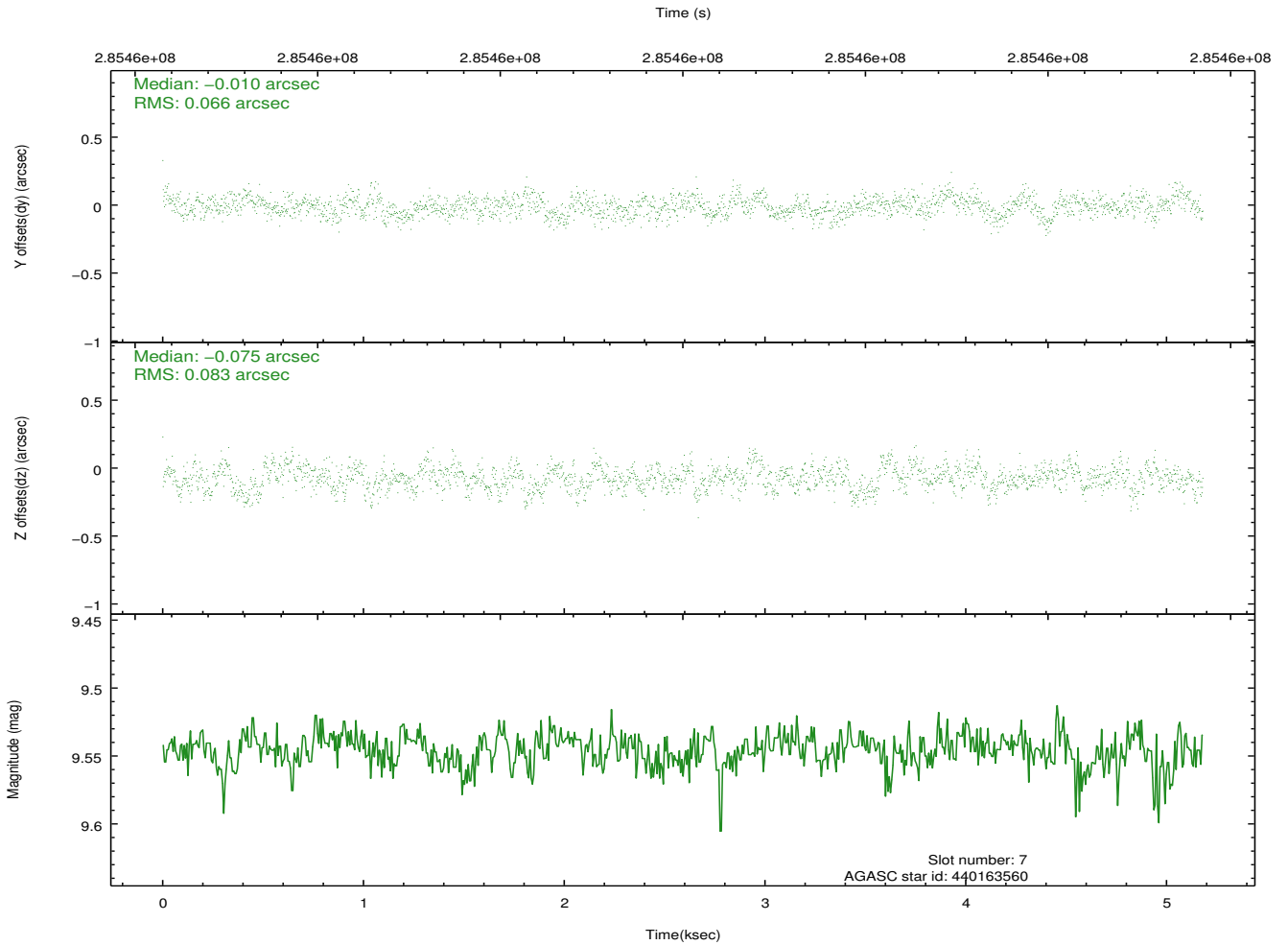
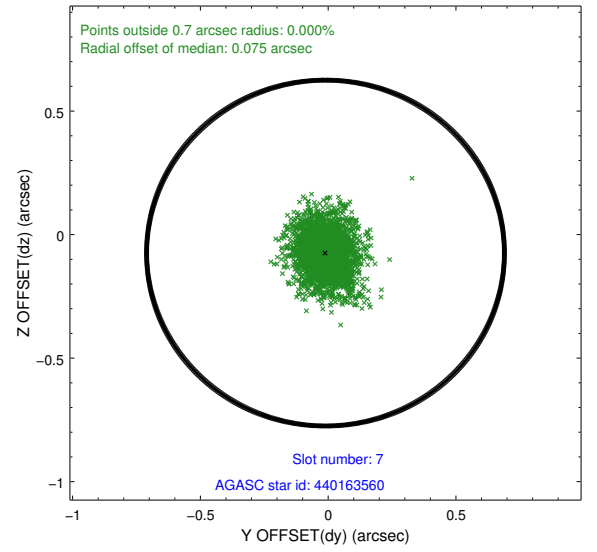
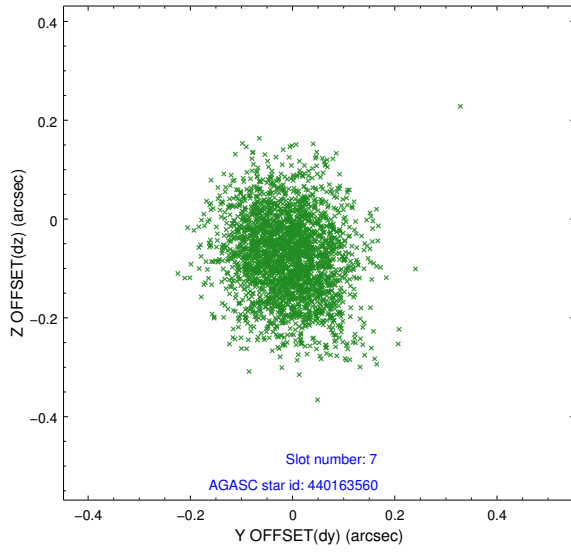
### 2.4.3 Slot 5



## 2.4.4 Slot 6

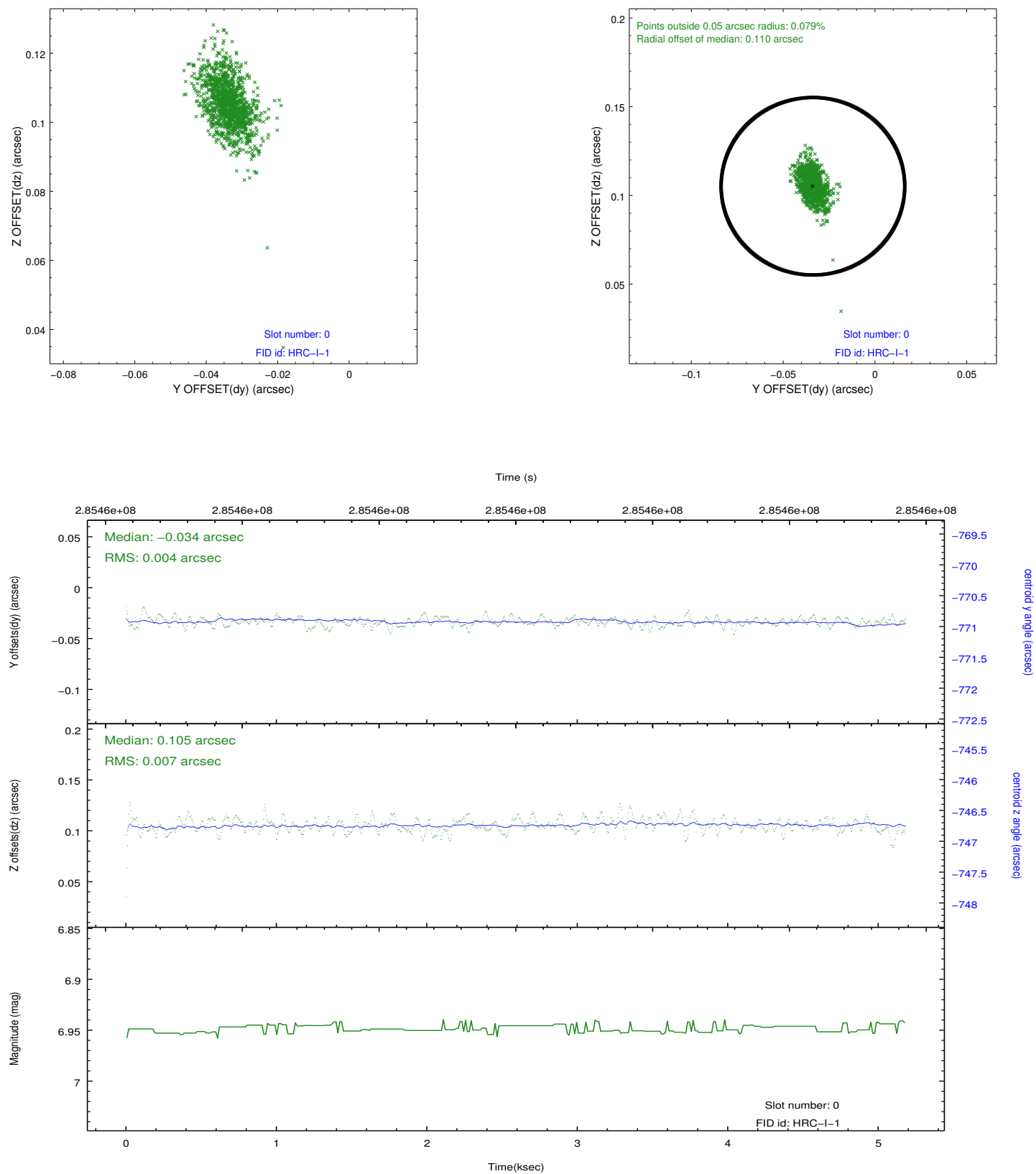


## 2.4.5 Slot 7

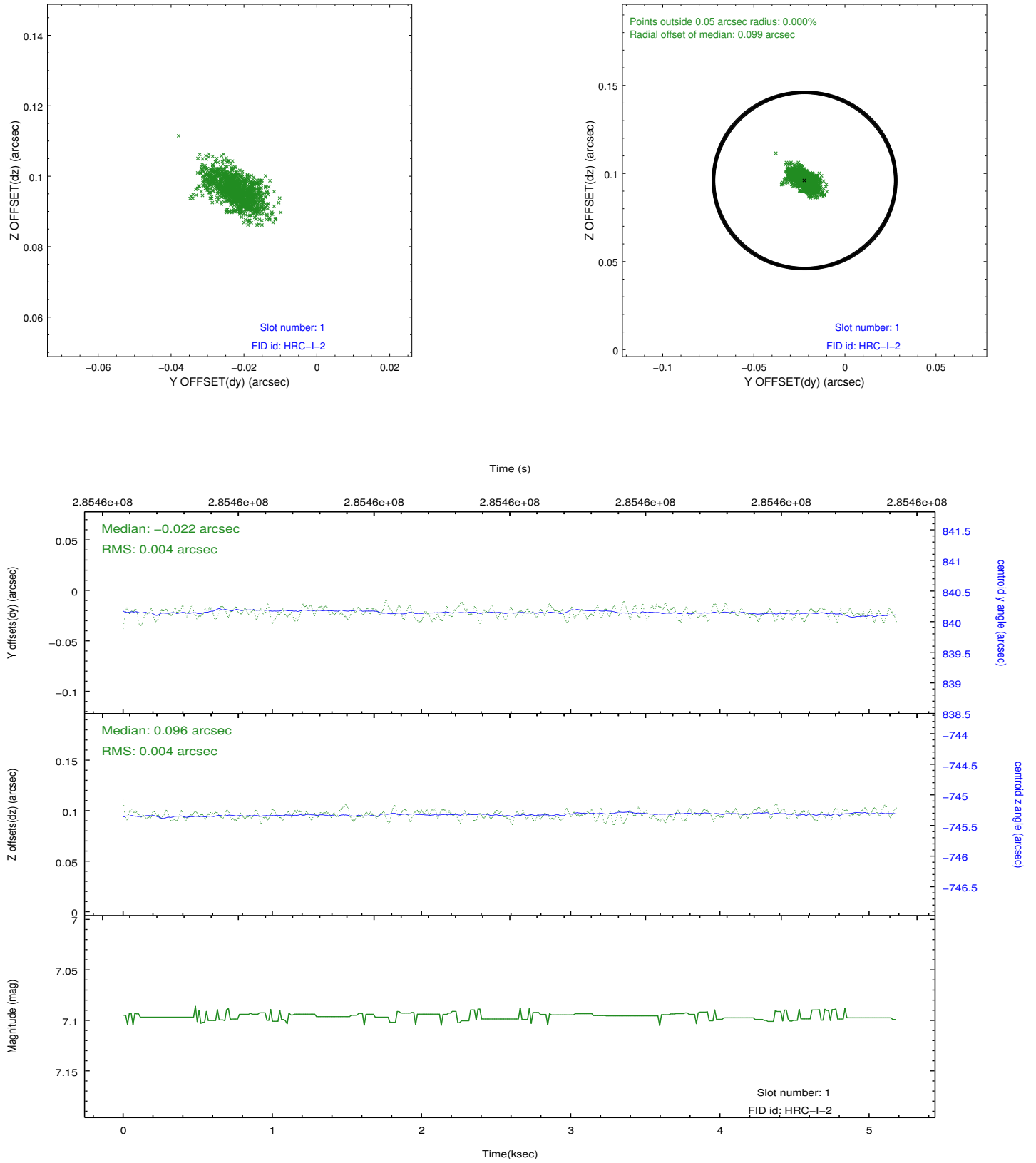


## 2.5 FID Slots

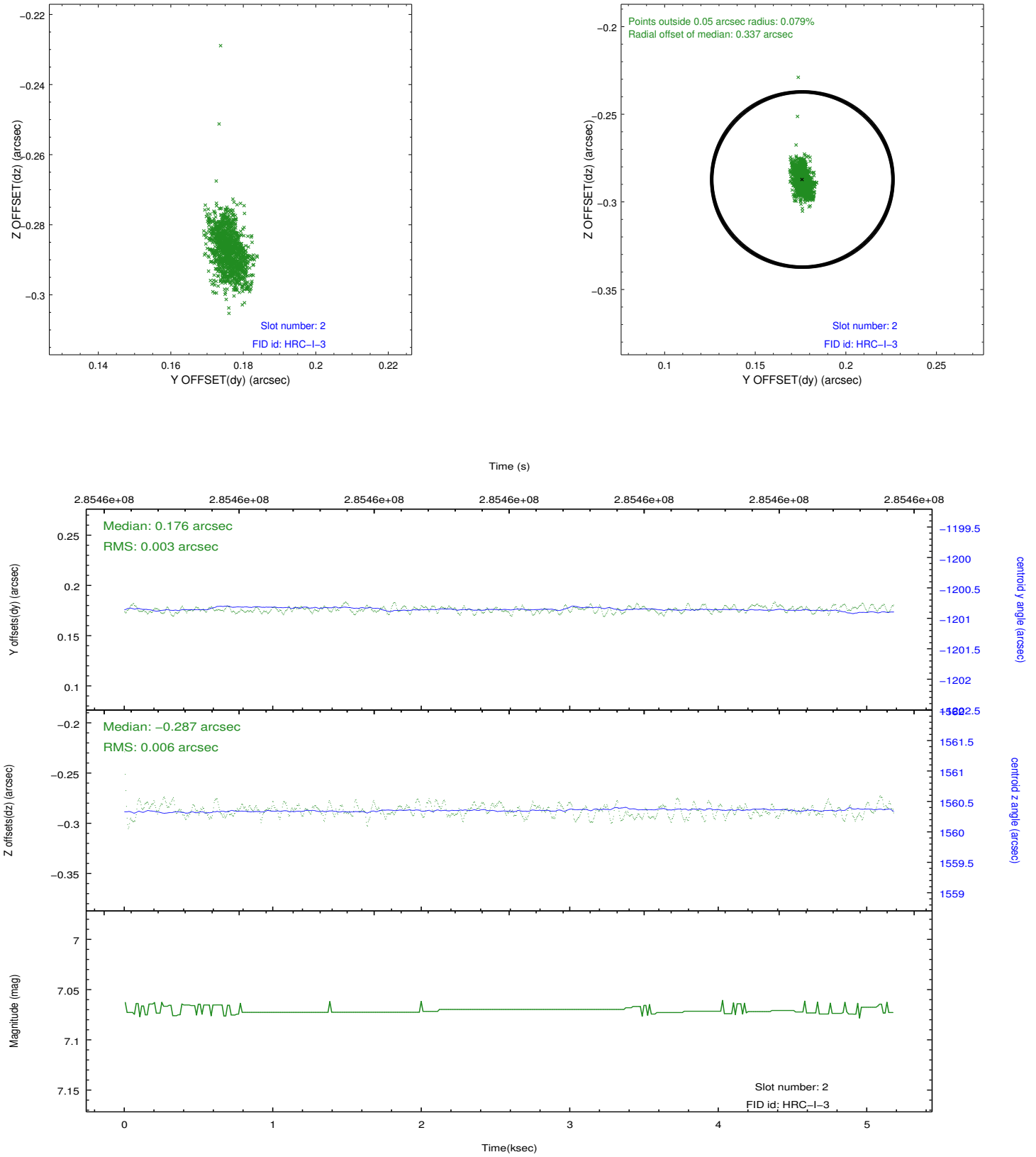
### 2.5.1 Slot 0



## 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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18163149

### A.2 Comments