

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10883 - L2 Version 3  
Chandra X-Ray Center

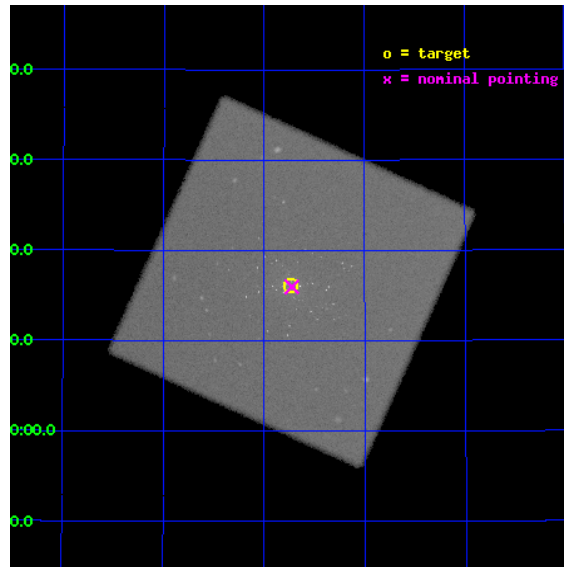
L2 Processing Date : Aug 13 2012

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# 1 Front

seq_num	300260	Sequence number
obs_id	10883	Observation id
title	Resolving short supersoft source states of optical novae in the core of M31	Proposal title
observer	Dr. Wolfgang Pietsch	Principal investigator
object	M31	Source name
ra_targ	10.684583	Observer's specified target RA [deg]
dec_targ	41.269278	Observer's specified target Dec [deg]
ra_nom	10.680830341714	Nominal RA [deg]
dec_nom	41.266128649658	Nominal Dec [deg]
roll_nom	249.41078426468	Nominal Roll [deg]
revision	3	Processing version of data
ontime	18554.550935686	[s]
liveltime	18326.190952359	Ontime multiplied by DTCOR
l2events	1439772	Number of level 2 events

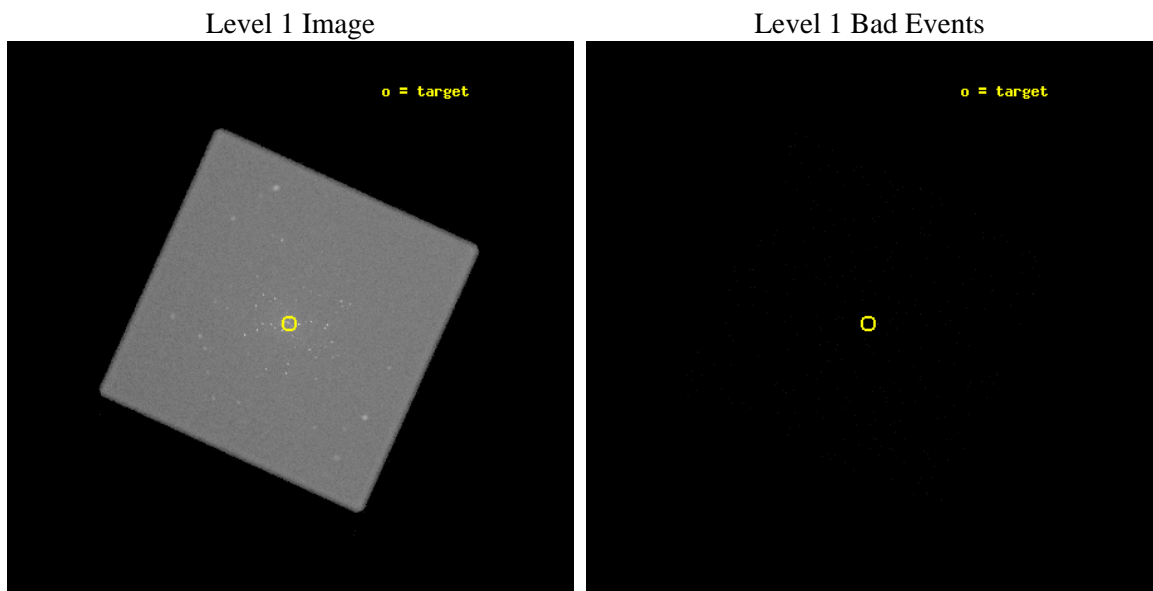




## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	18400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	18554.550935686	[s]
caldbver	4.5.1.1	&#160	l1events	2204112	Number of level 1 events
date	2012-08-13T17:59:40	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

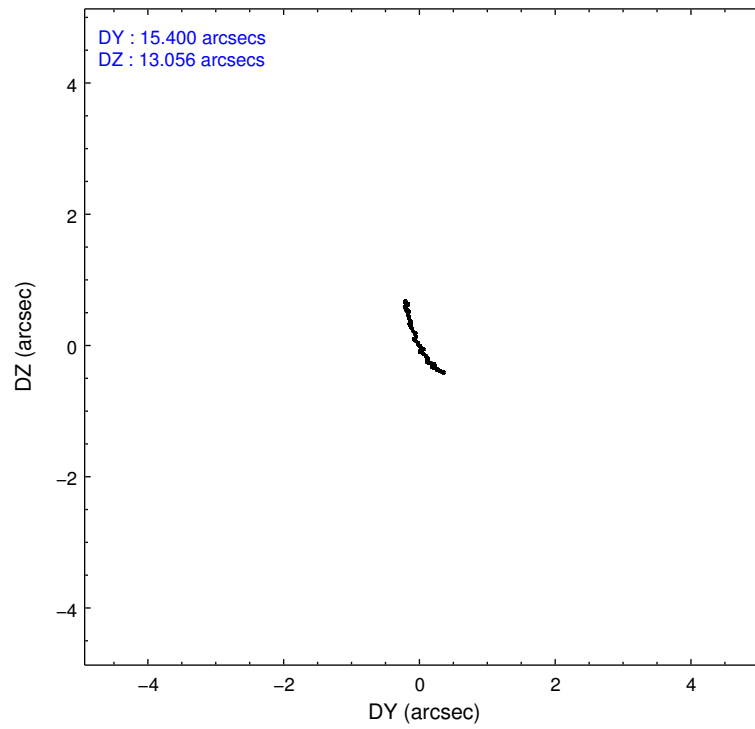
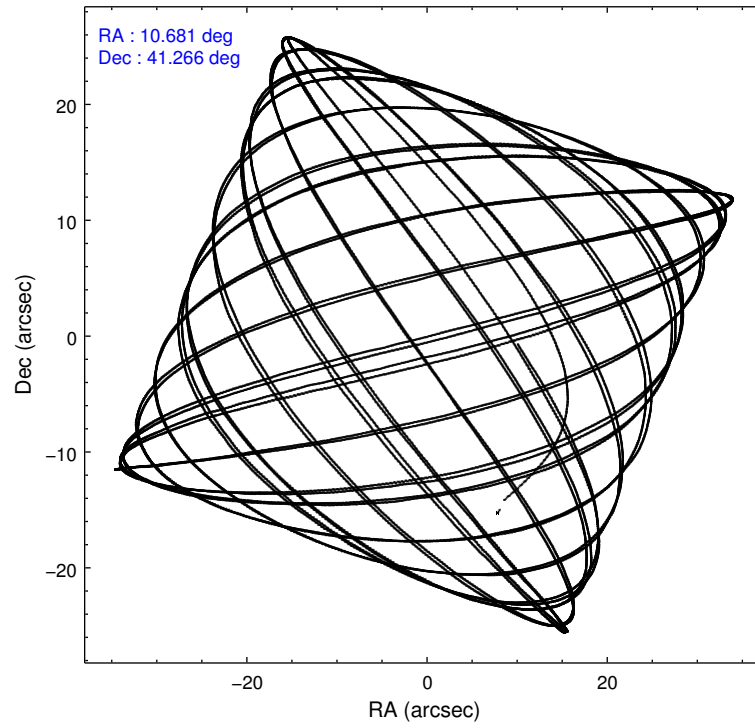
#### Level 1 Events

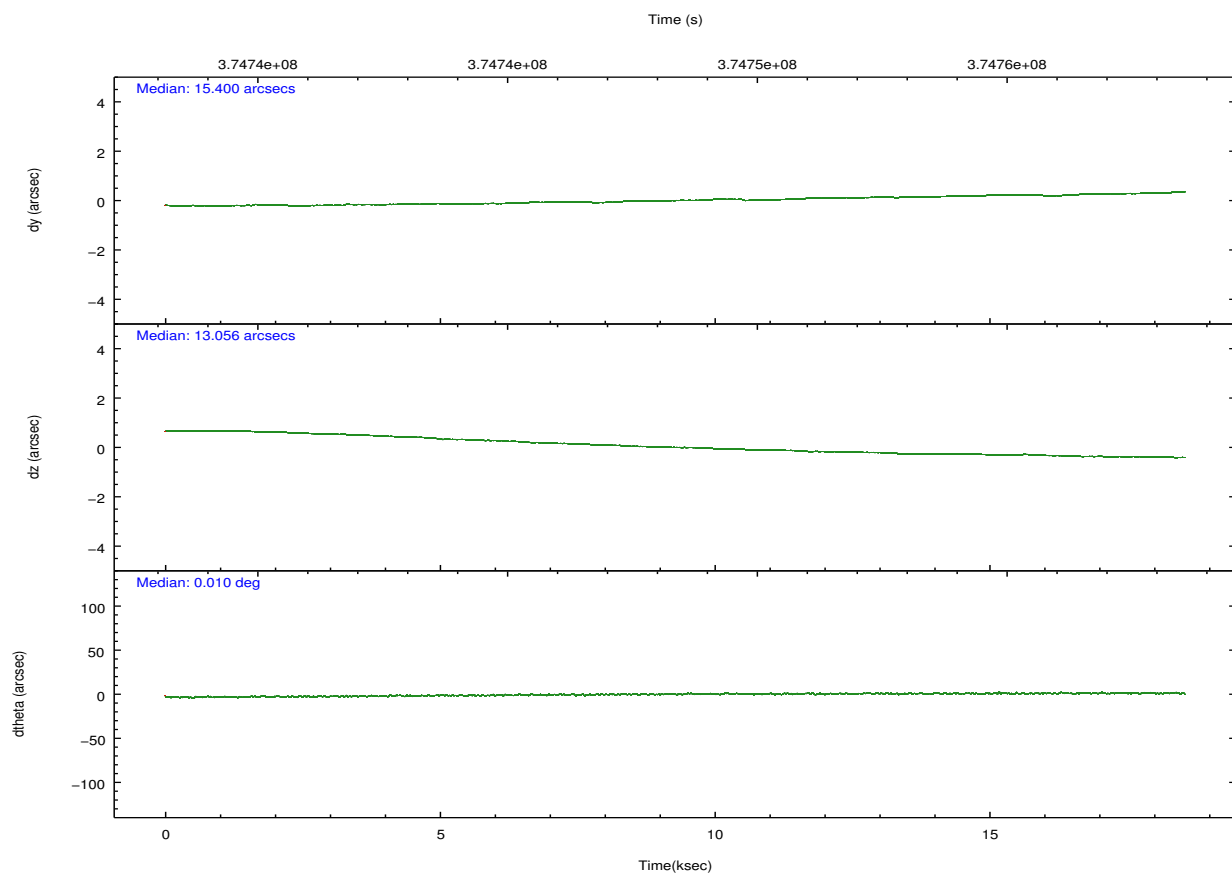
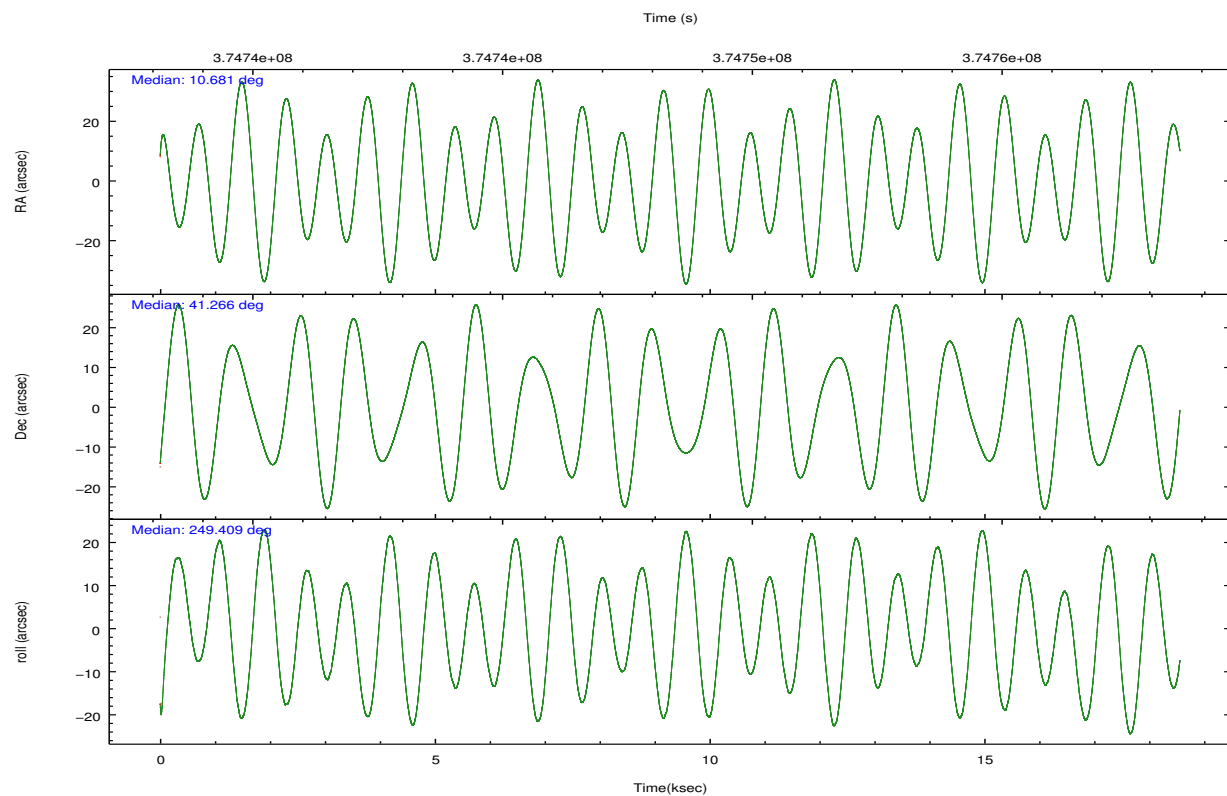
	<b>segment 0</b>
level 1 events	2204112
rejected events	129078
rejected %	5%

## 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	10.674061	10.6808303417142			
[deg] Pointing Dec	41.292876	41.26612864965814			
[deg] Pointing Roll	249.510754	249.4107842646843			
[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)	374739219.184000	374737929.79964			
Observation start date	2009-11-16T06:12:33	2009-11-16T05:52:09			
[s] Observation end time (MET)	374757619.184000	374758848.51319			
Observation end date	2009-11-16T11:19:13	2009-11-16T11:40:48			

## 2.3 Aspect



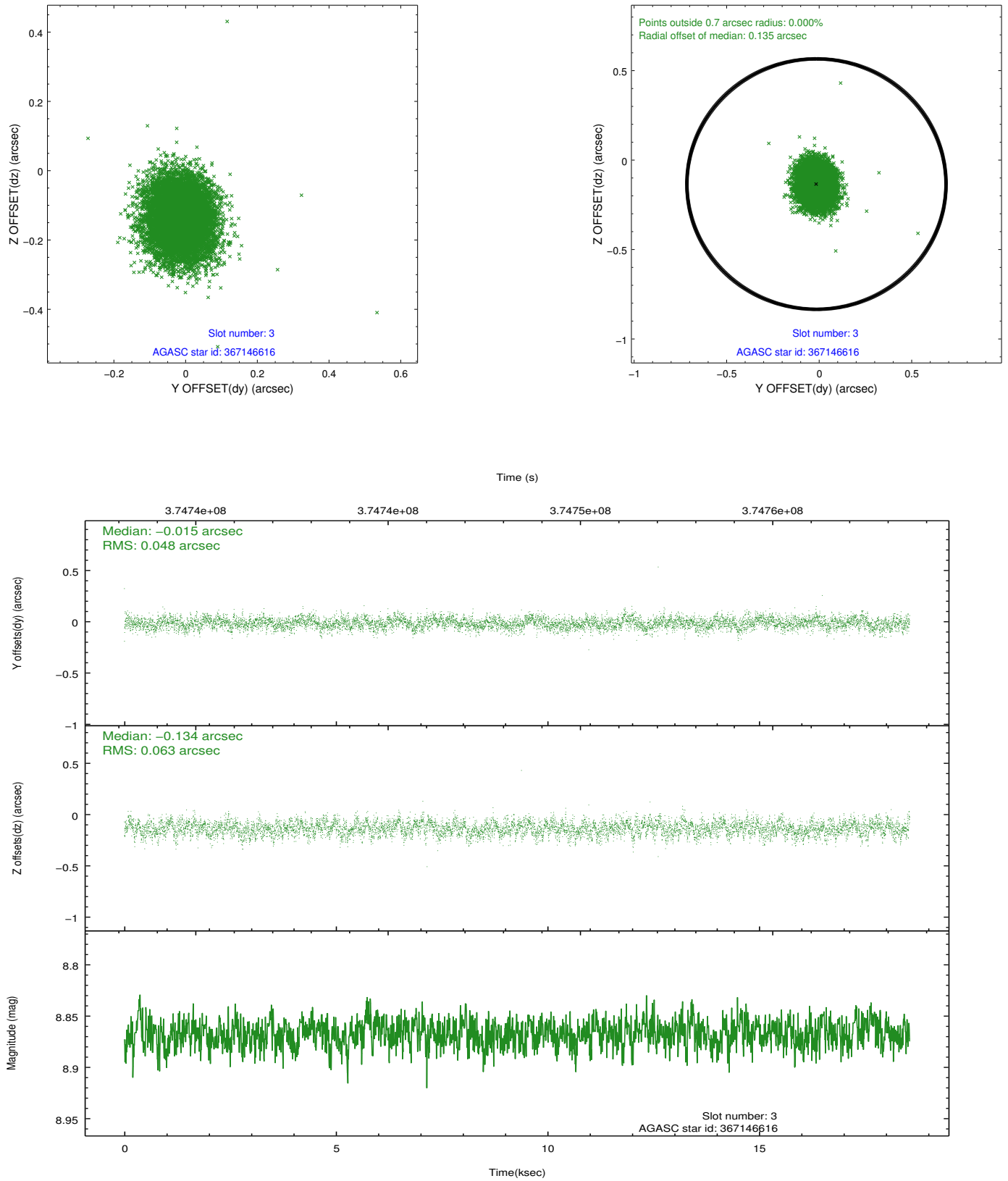


### Slot Statistics

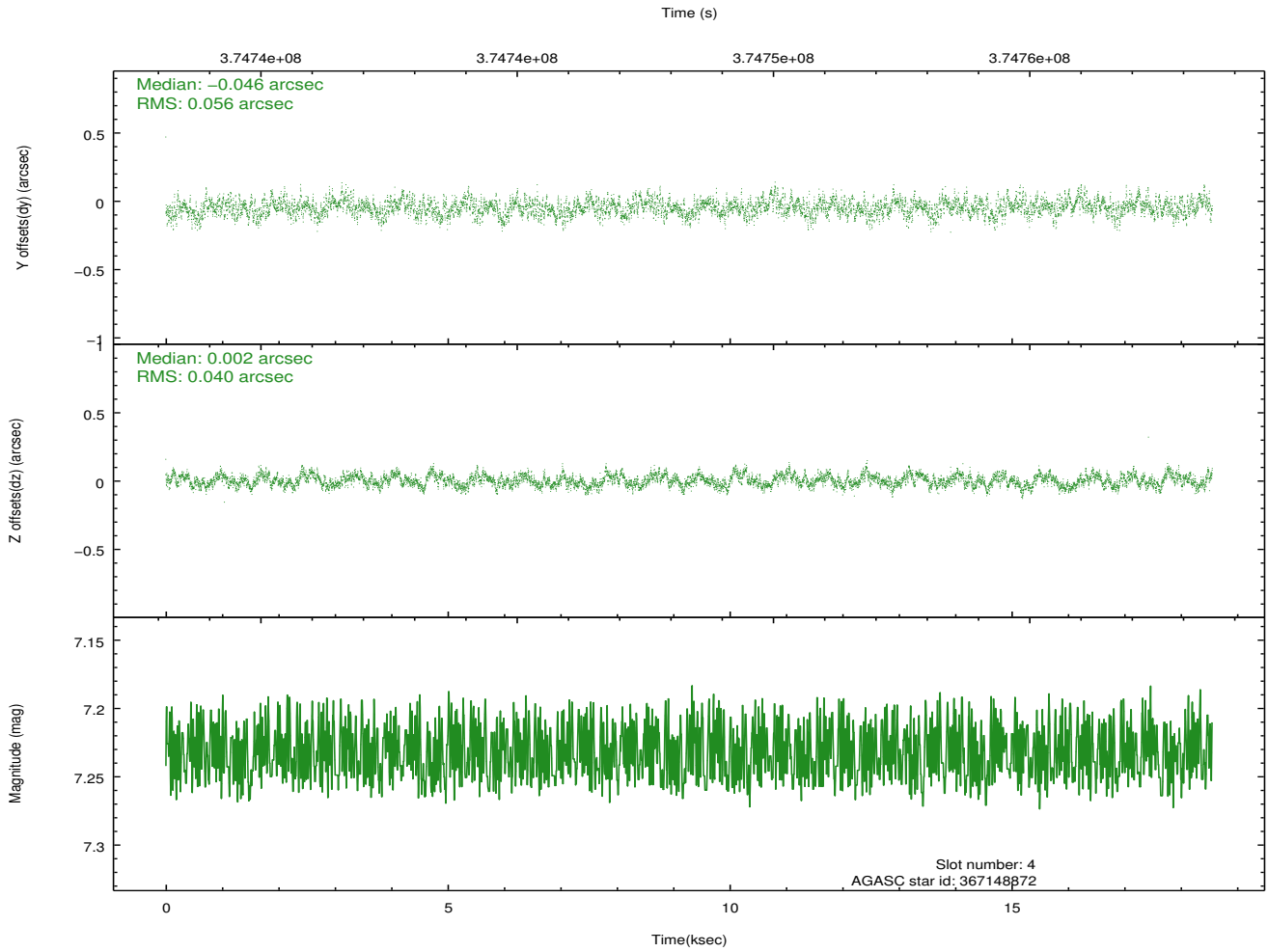
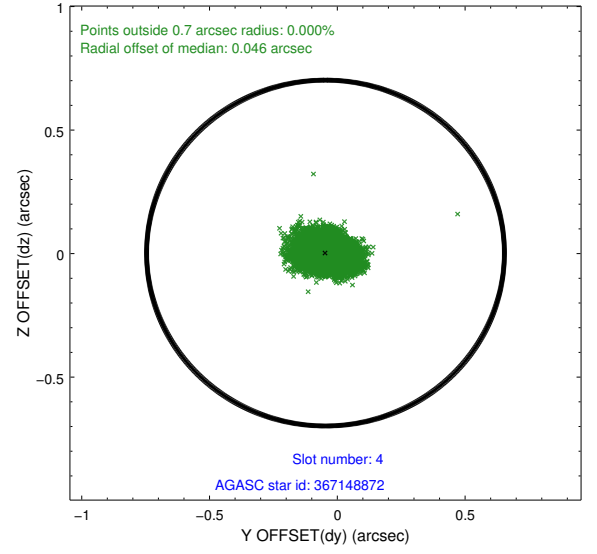
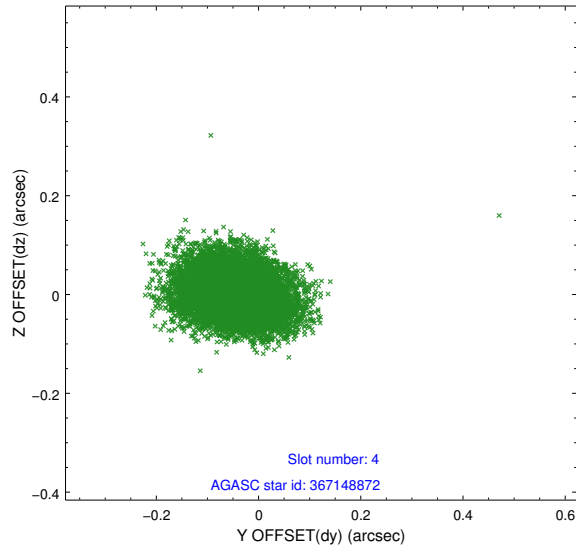
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	4526	-0.075	0.020	0.011	0.017	0.000000	0.000000	-771.33	-1301.12
1	FID	HRC-I-2	7.04	4527	0.254	-0.153	0.009	0.015	0.000000	0.000000	841.46	-1303.18
2	FID	HRC-I-3	7.09	4527	-0.059	0.043	0.010	0.019	0.000000	0.000000	-1199.57	1003.18
3	GUIDE	367146616	8.87	9049	-0.015	-0.134	0.083	0.135	11.418645	41.190163	-367.74	2015.87
4	GUIDE	367148872	7.23	9043	-0.046	0.002	0.073	0.120	10.505940	40.688258	2199.82	332.36
5	GUIDE	367657896	9.01	9043	-0.010	0.098	0.089	0.144	11.197765	41.313576	-569.15	1299.12
6	GUIDE	367663272	9.29	9035	0.030	0.128	0.111	0.178	10.656279	41.699429	-1353.49	-557.38
7	GUIDE	367674552	8.85	9043	0.043	-0.091	0.084	0.137	11.016238	41.570845	-1261.61	512.41

## 2.4 Star Slots

### 2.4.1 Slot 3

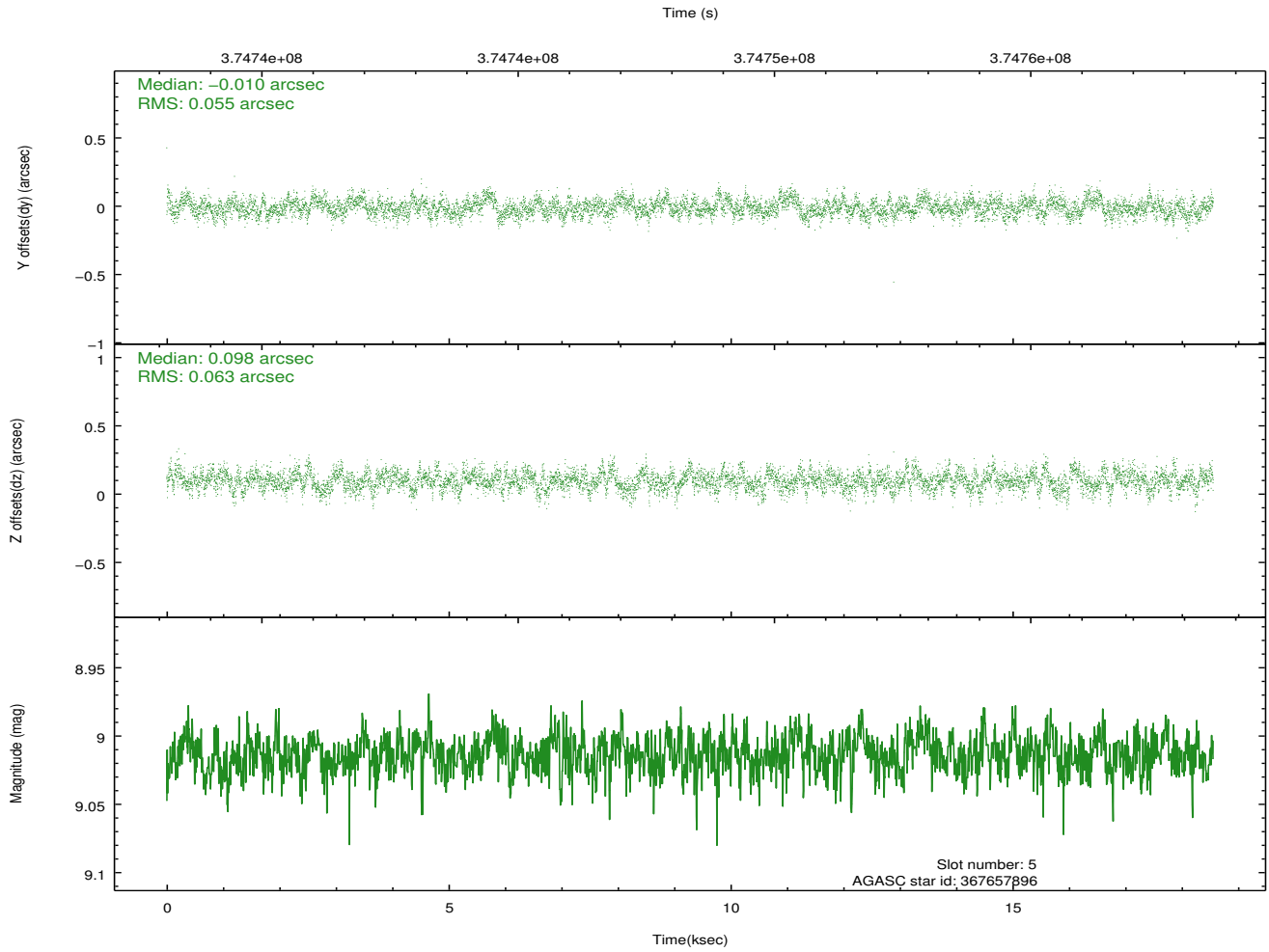
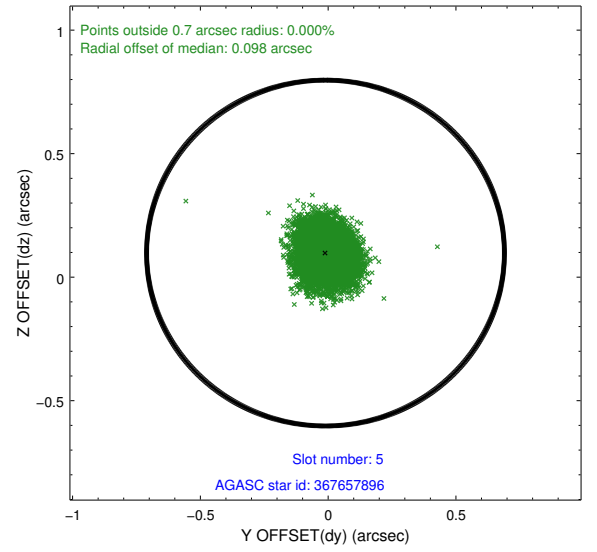
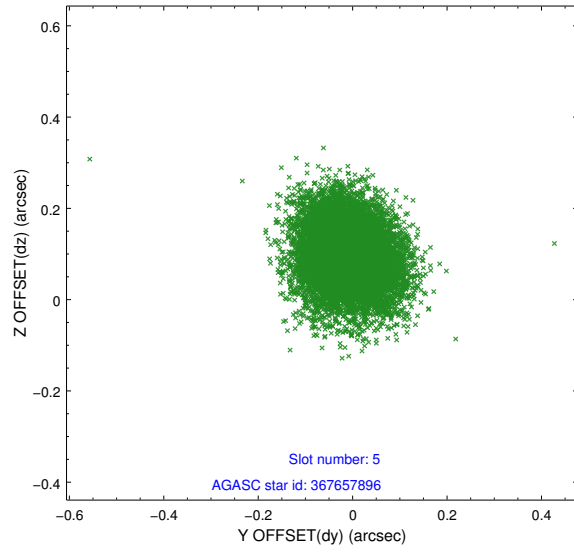


## 2.4.2 Slot 4

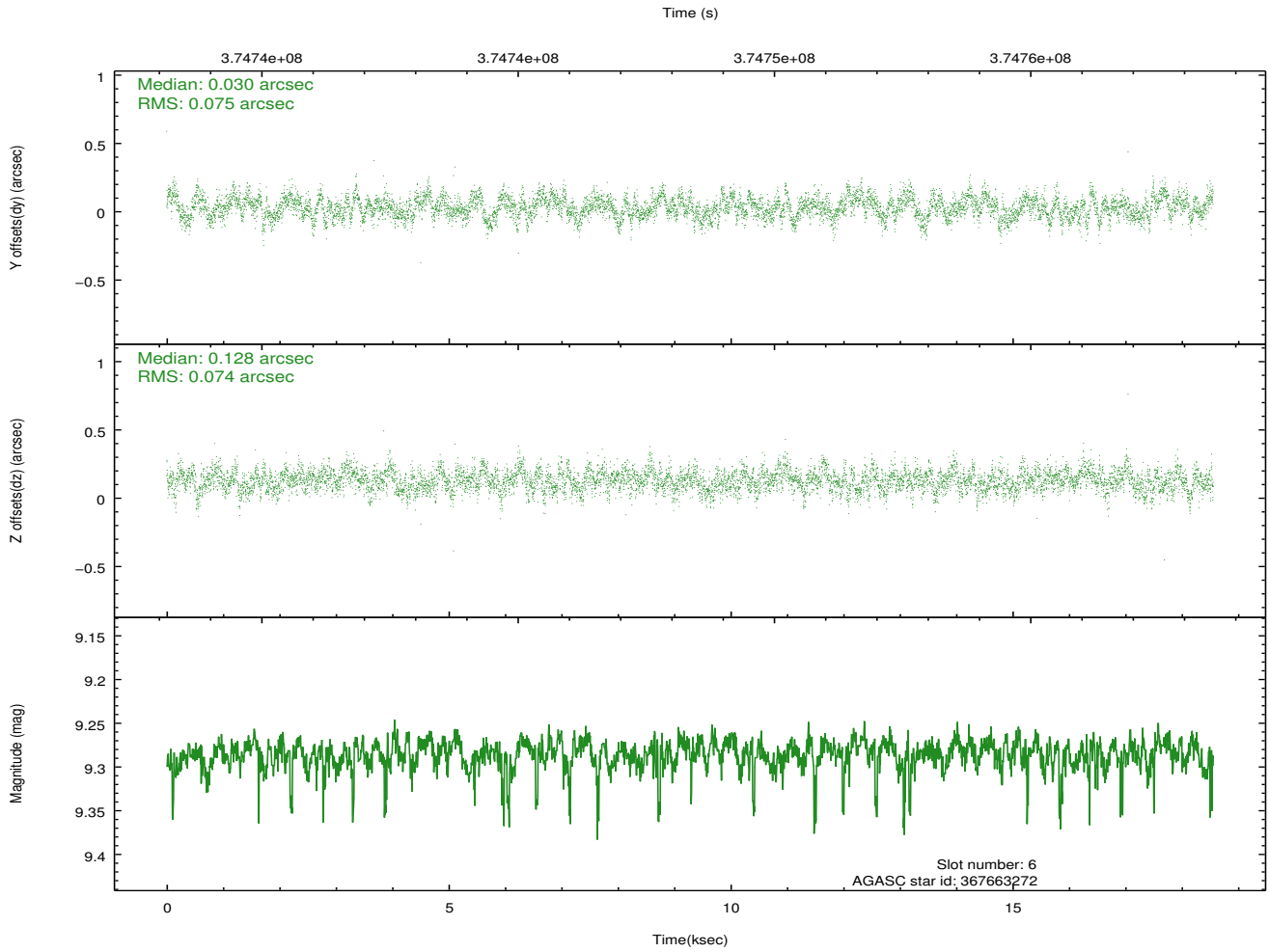
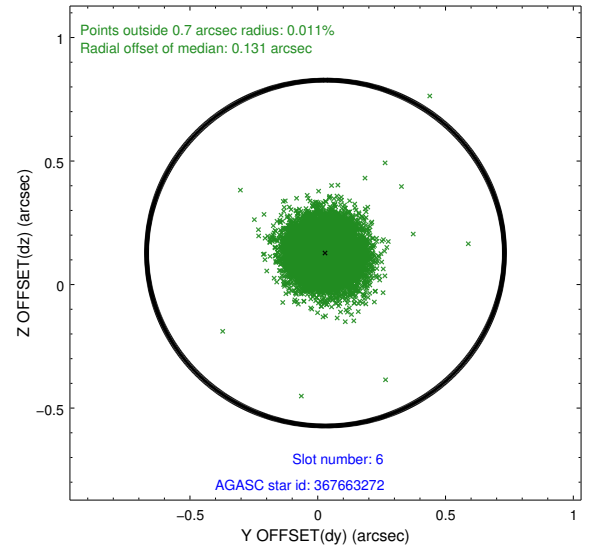
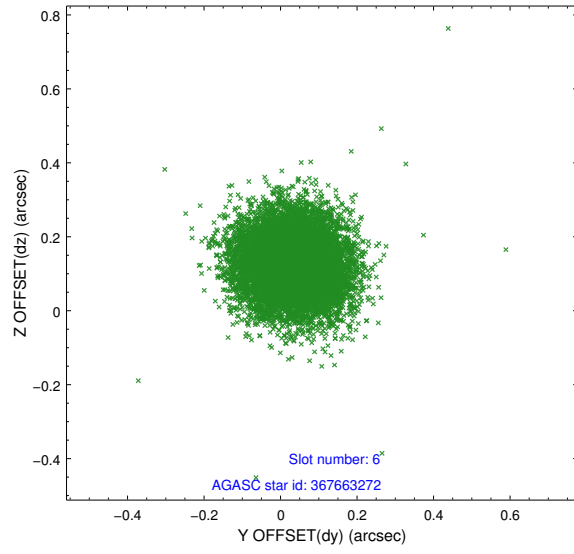




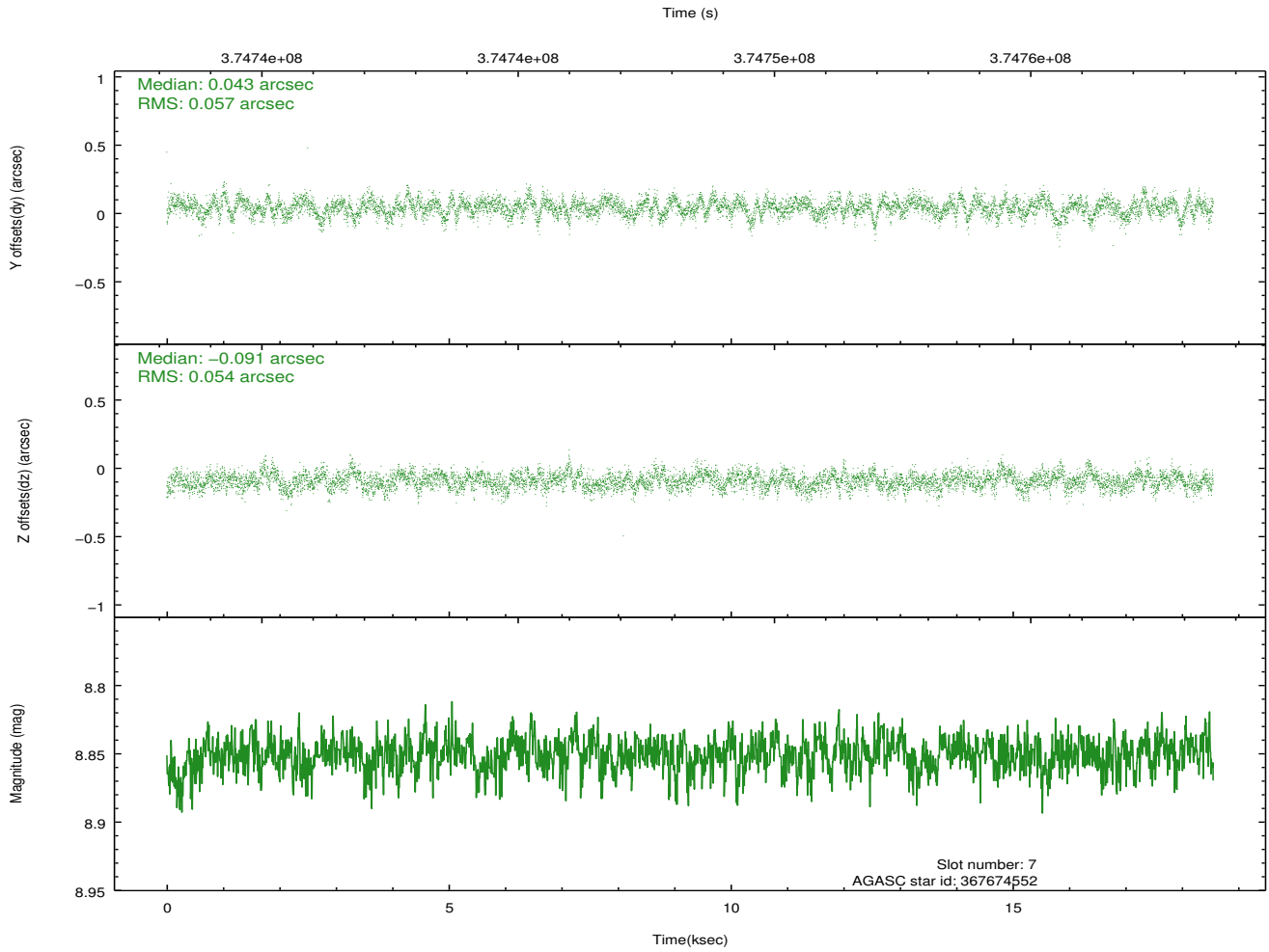
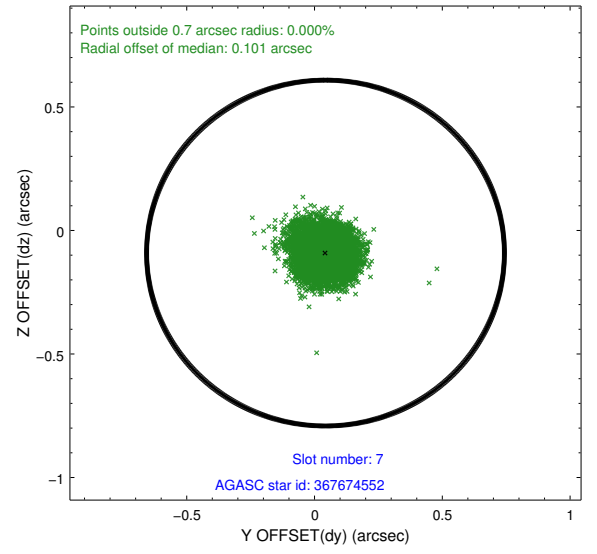
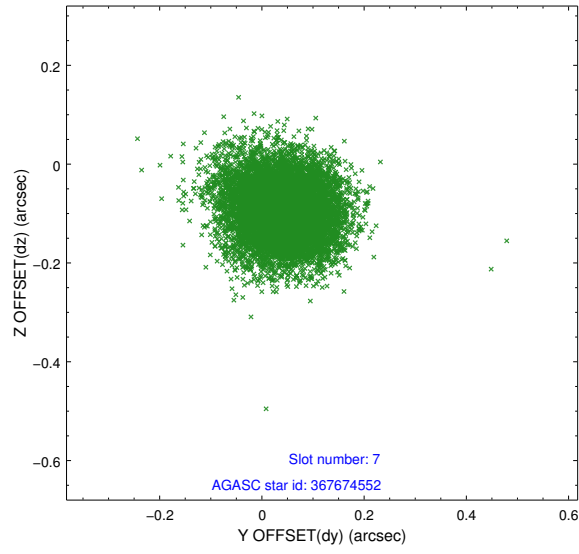
### 2.4.3 Slot 5



## 2.4.4 Slot 6

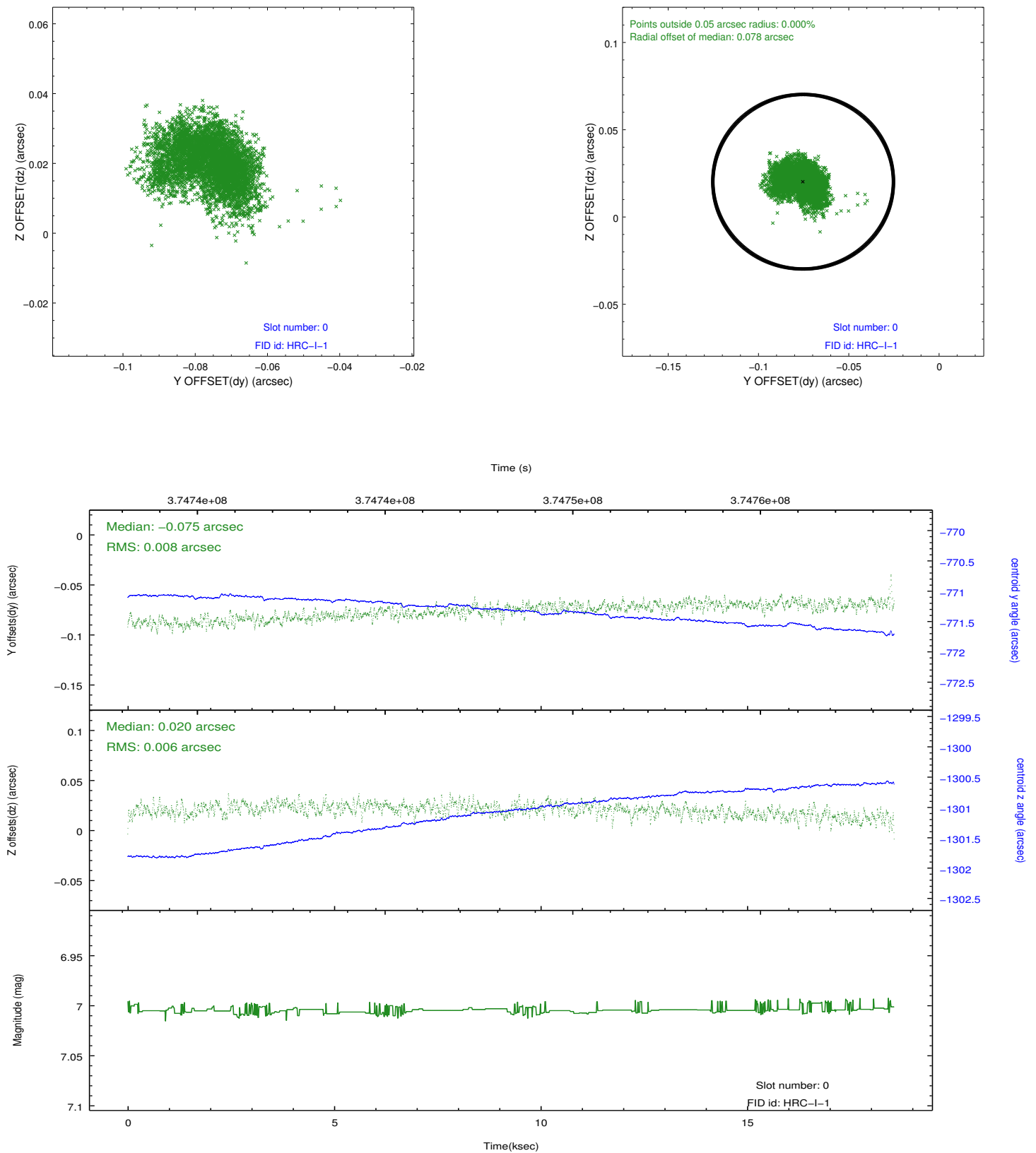


## 2.4.5 Slot 7

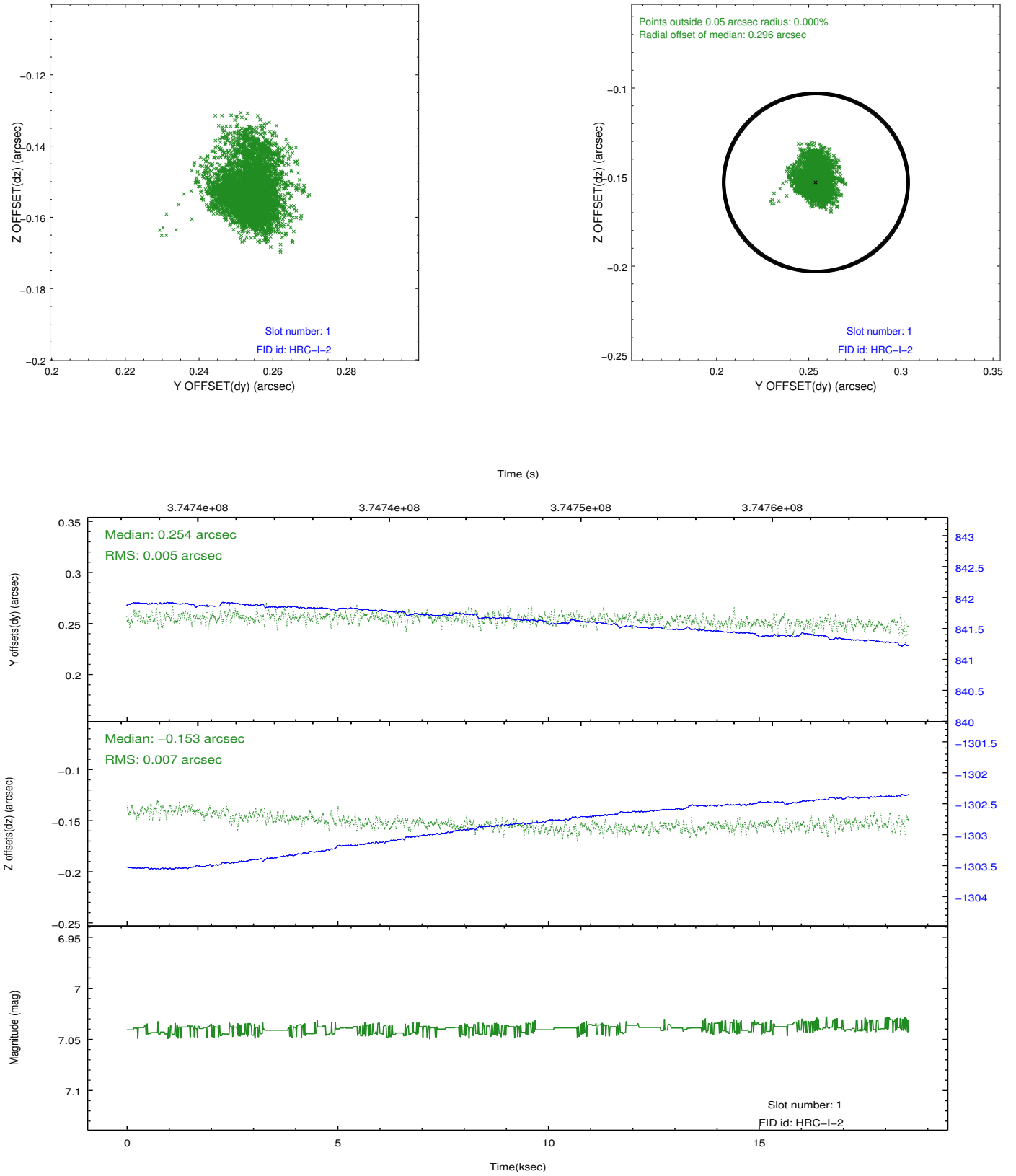


## 2.5 FID Slots

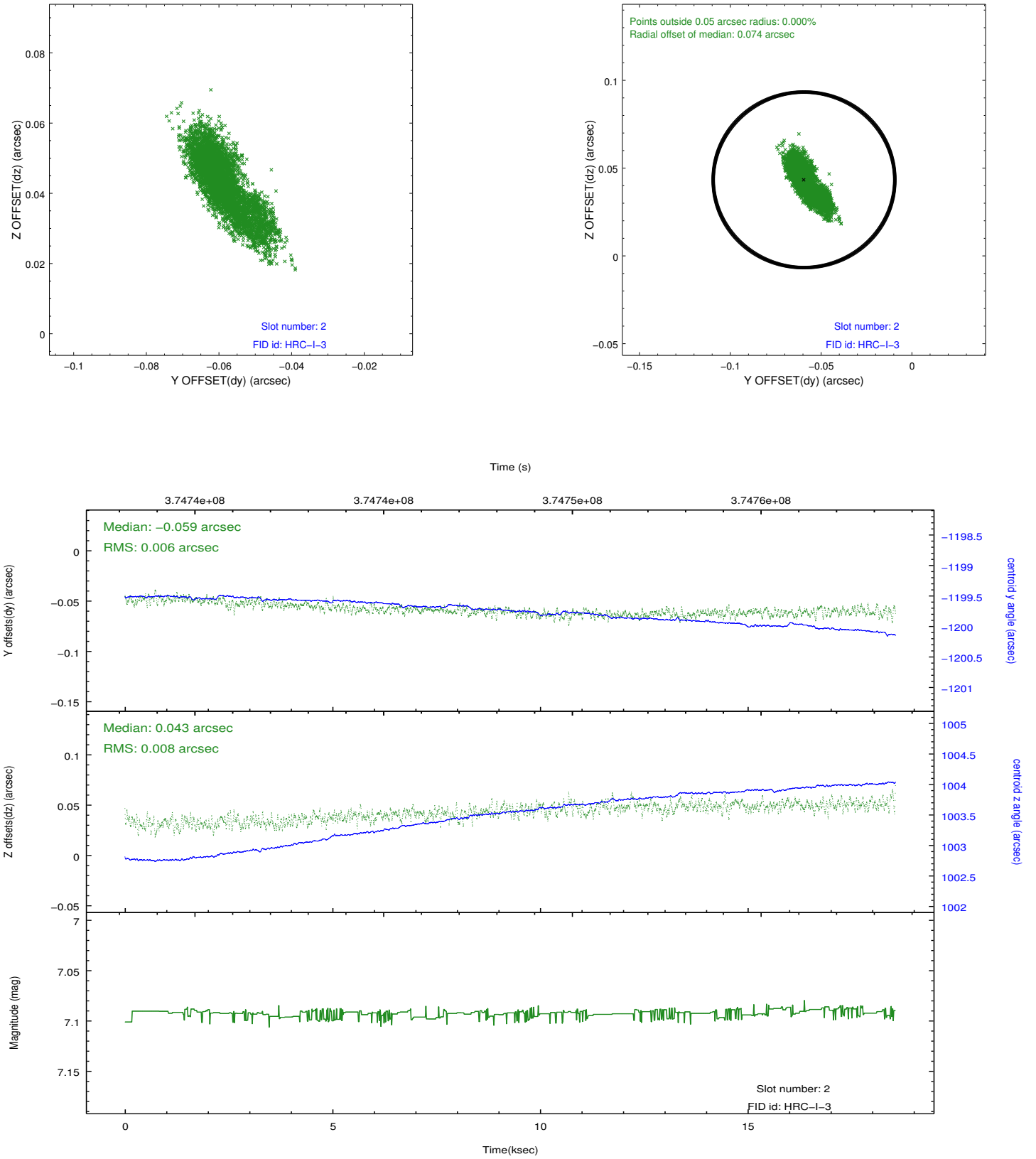
### 2.5.1 Slot 0



## 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)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.554550935209

### A.2 Comments

Joint proposal with XMM.