

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2907 - L2 Version 4  
Chandra X-Ray Center

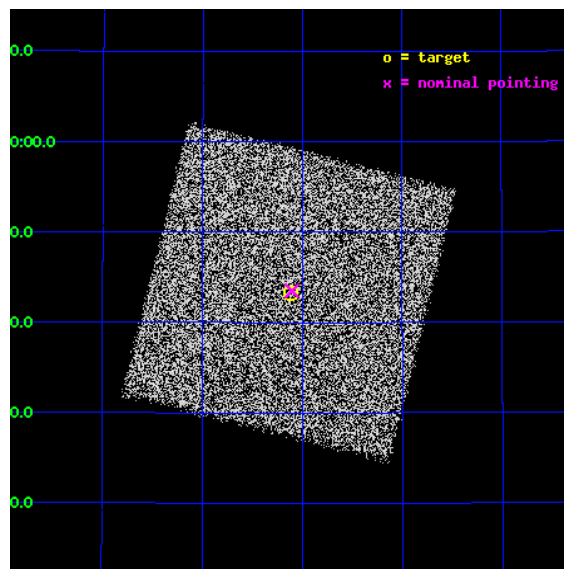
L2 Processing Date : Sep 23 2012

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# 1 Front

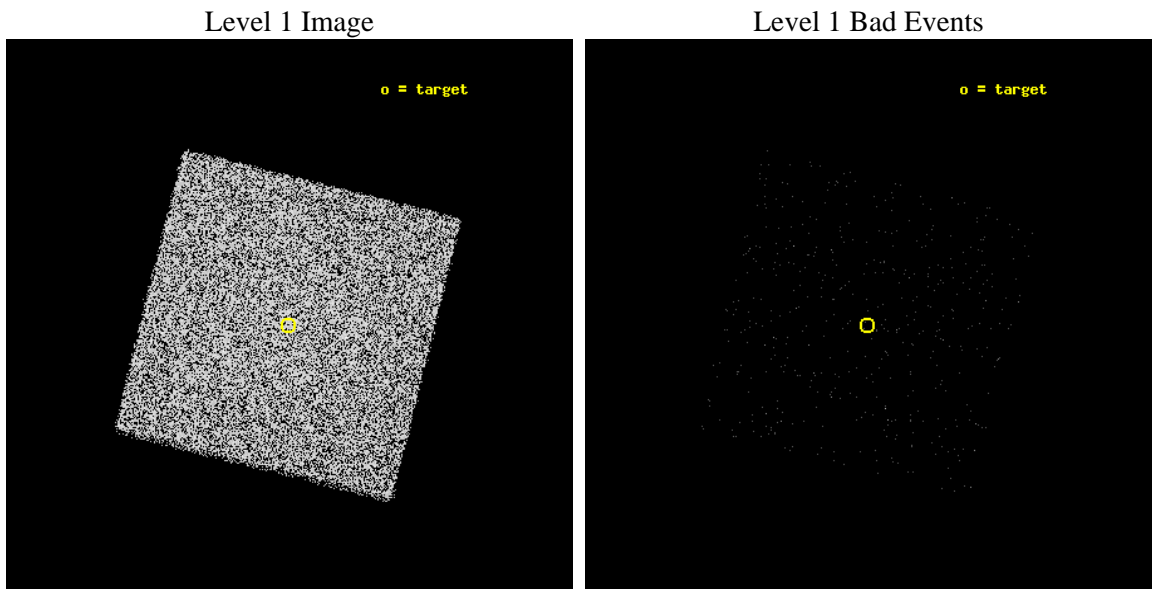
seq_num	600244	Sequence number
obs_id	2907	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-N1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721	Observer's specified target Dec [deg]
ra_nom	11.025914462685	Nominal RA [deg]
dec_nom	41.72541793308	Nominal Dec [deg]
roll_nom	149.00744482895	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1186.1812968999	[s]
livetime	1179.7093284436	Ontime multiplied by DTCOR
l2events	35603	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	1186.1812968999	[s]
caldbver	4.5.1.1	&#160	l1events	66894	Number of level 1 events
date	2012-09-23T15:06:44	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

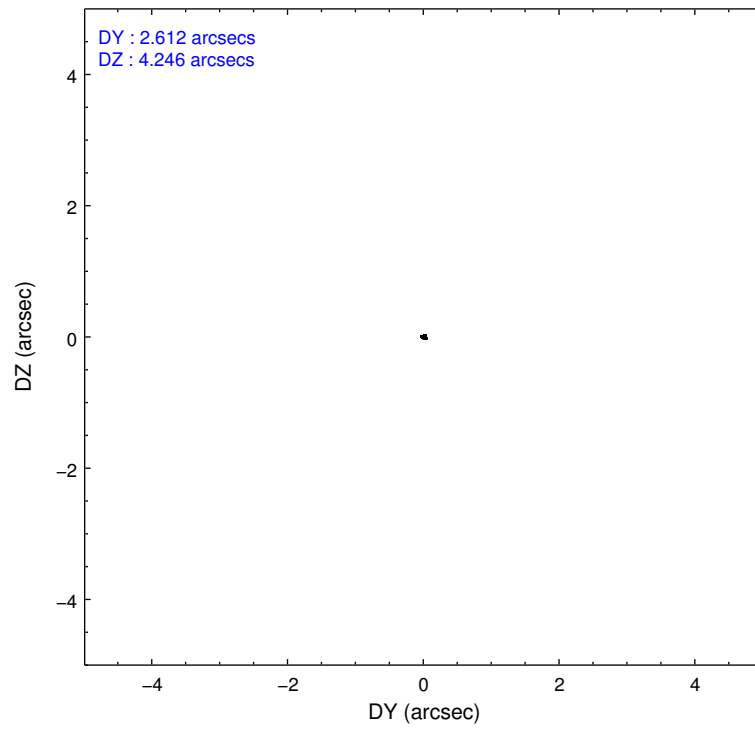
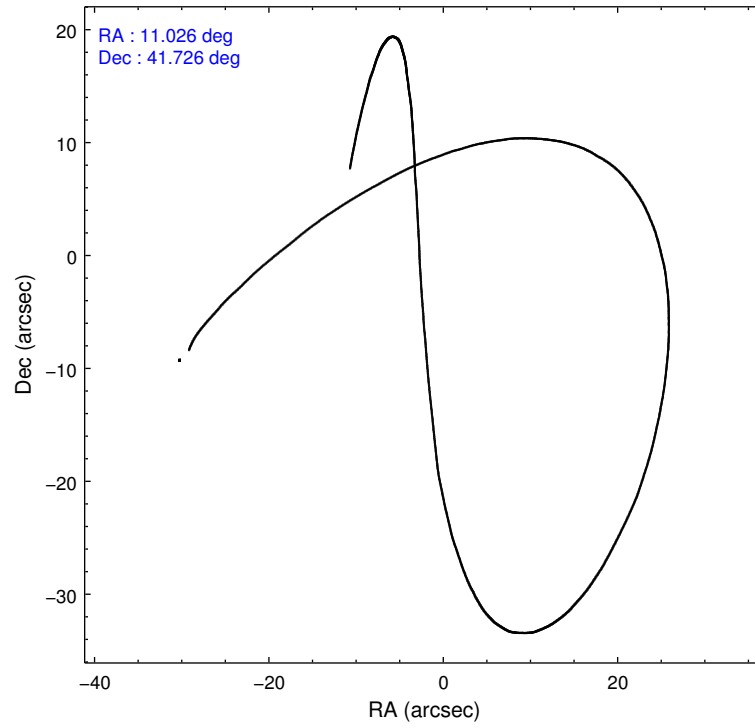
#### Level 1 Events

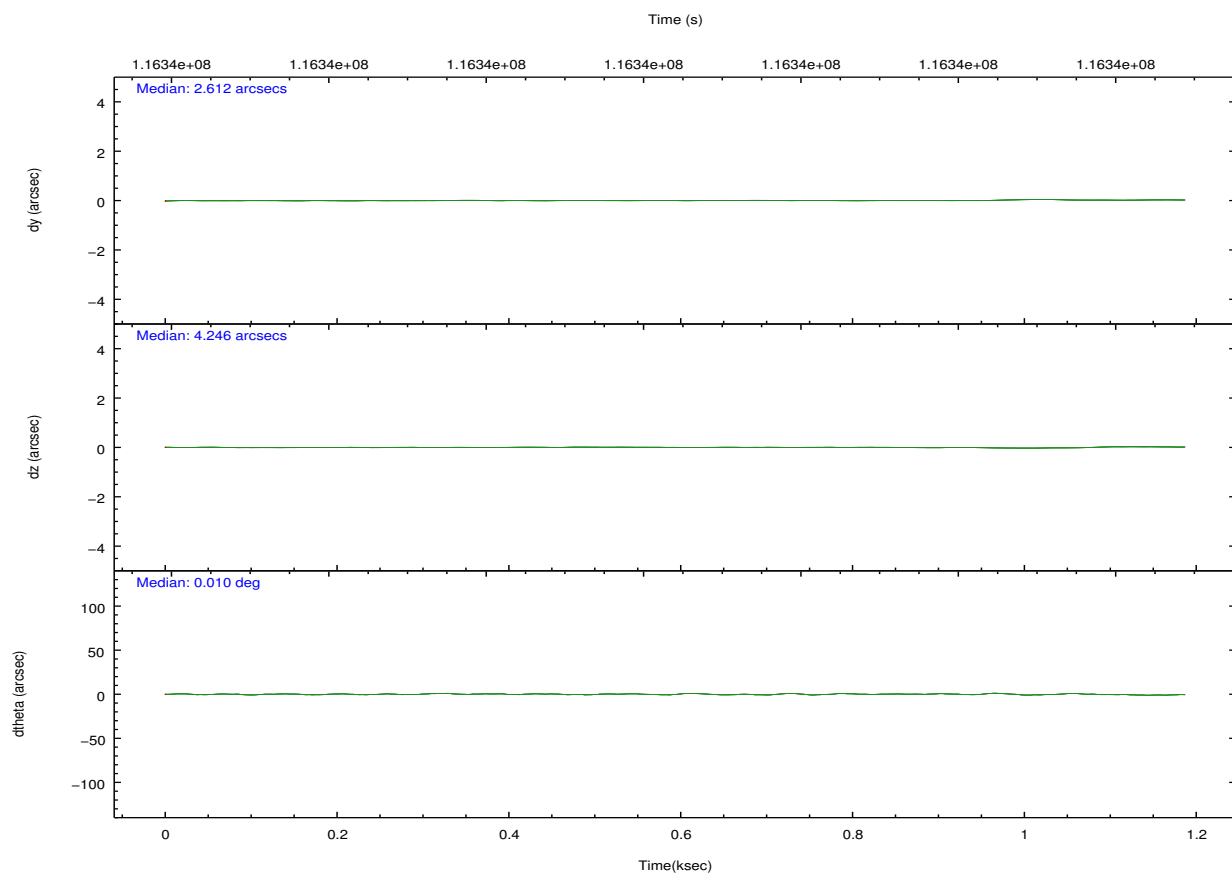
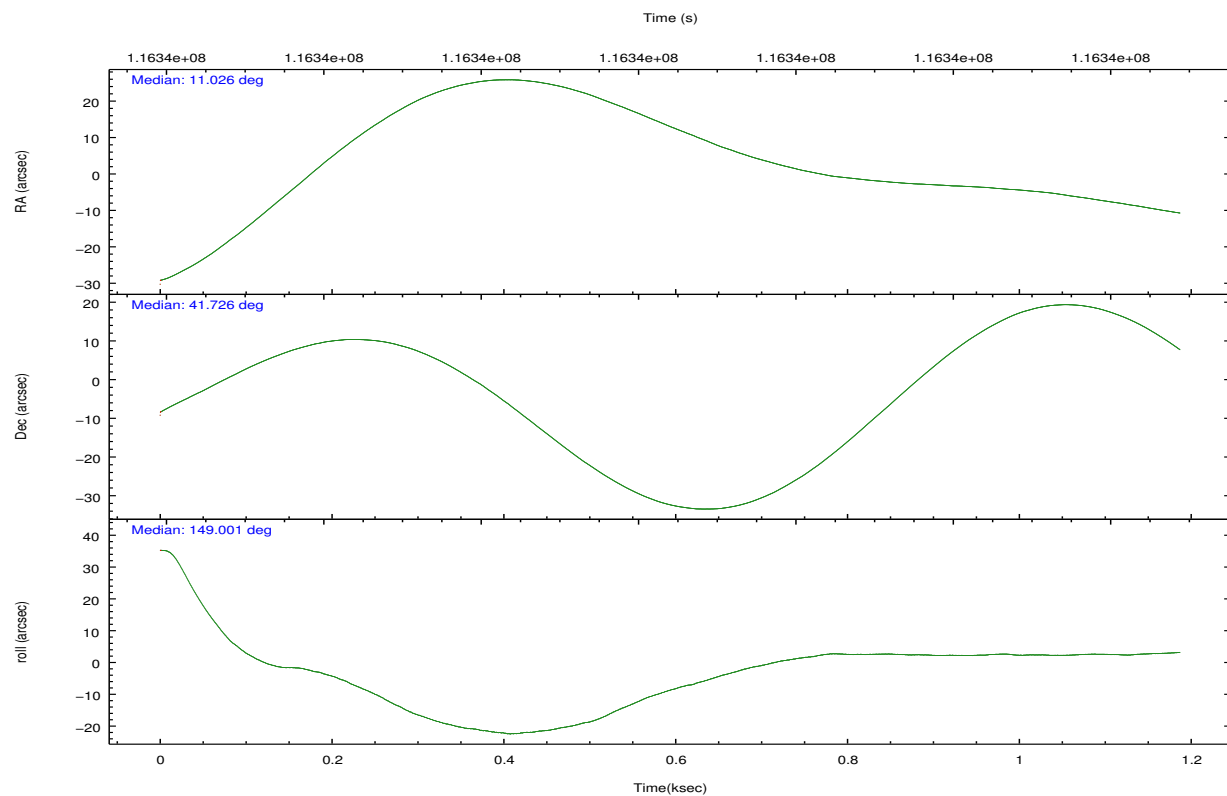
	<b>segment 0</b>
level 1 events	66894
rejected events	14665
rejected %	21%

## 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	11.062178	11.02591446268453			
[deg] Pointing Dec	41.724505	41.72541793308049			
[deg] Pointing Roll	149.078522	149.0074448289462			
[s] Window start time (MET)	117072064.184000	117072064.184000			
[s] Window stop time (MET)	117676864.184000	117676864.184000			
[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)	116341235.184000	116340859.96788			
Observation start date	2001-09-08T12:59:31	2001-09-08T12:54:19			
[s] Observation end time (MET)	116342235.184000	116342369.28044			
Observation end date	2001-09-08T13:16:11	2001-09-08T13:19:29			

## 2.3 Aspect





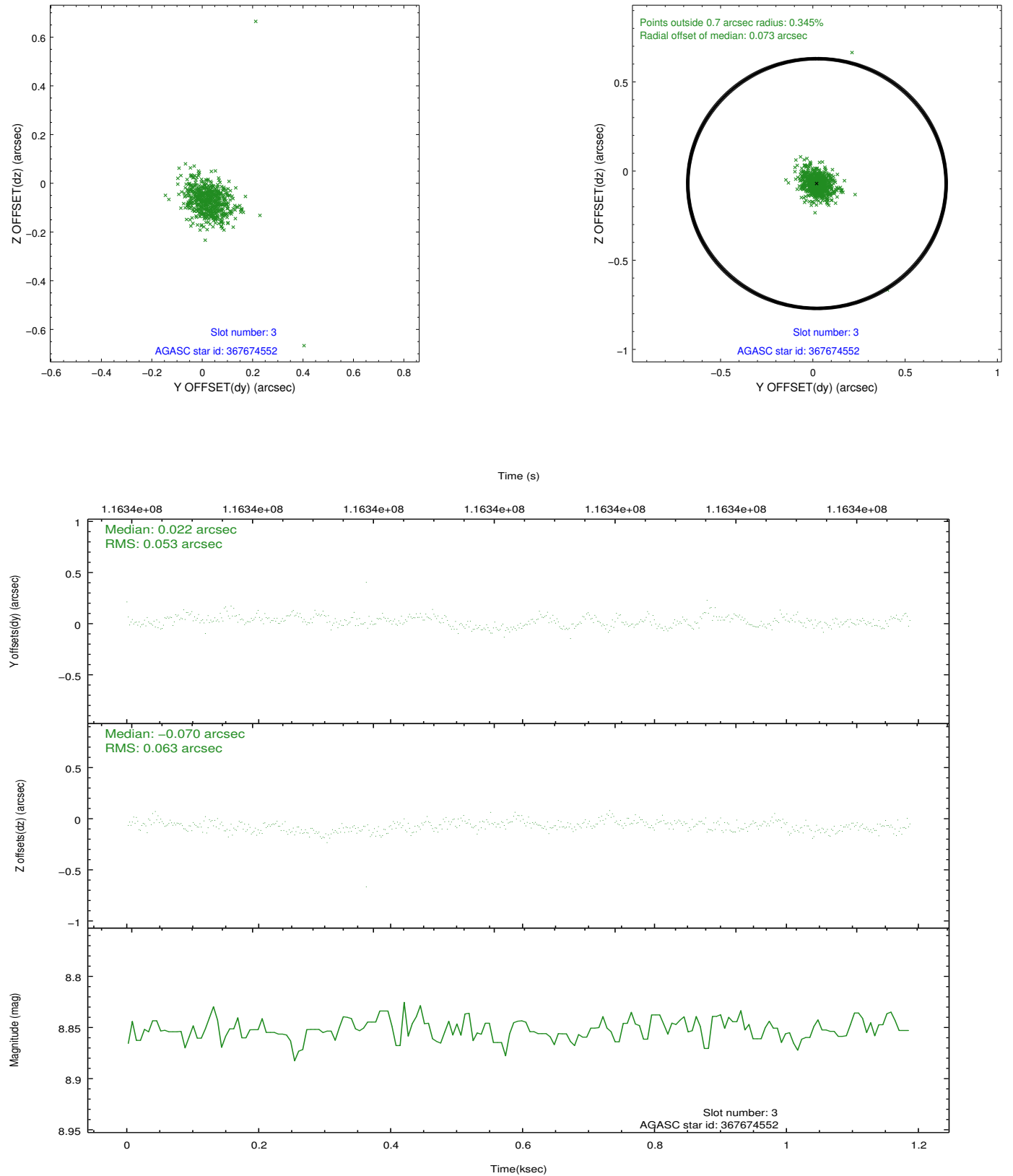
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	290	0.035	0.020	0.005	0.009	0.000000	0.000000	-758.09	-1292.02
1	FID	HRC-I-2	7.01	290	0.084	-0.062	0.006	0.009	0.000000	0.000000	851.97	-1298.18
2	FID	HRC-I-4	6.99	290	-0.003	-0.050	0.005	0.010	0.000000	0.000000	1287.68	1005.54
3	GUIDE	367674552	8.85	580	0.022	-0.070	0.075	0.123	11.016238	41.570845	-178.11	541.72
4	GUIDE	367146616	8.86	580	0.123	-0.114	0.074	0.123	11.418645	41.190163	-1816.20	1156.62
5	GUIDE	367657896	9.02	579	0.057	-0.102	0.085	0.138	11.197765	41.313576	-1077.70	1085.91
6	GUIDE	367670520	9.26	580	-0.123	0.220	0.098	0.151	11.265516	42.371946	732.43	-2272.08
7	GUIDE	367666680	9.47	579	-0.080	0.076	0.112	0.191	10.696106	42.572173	2403.36	-2120.92

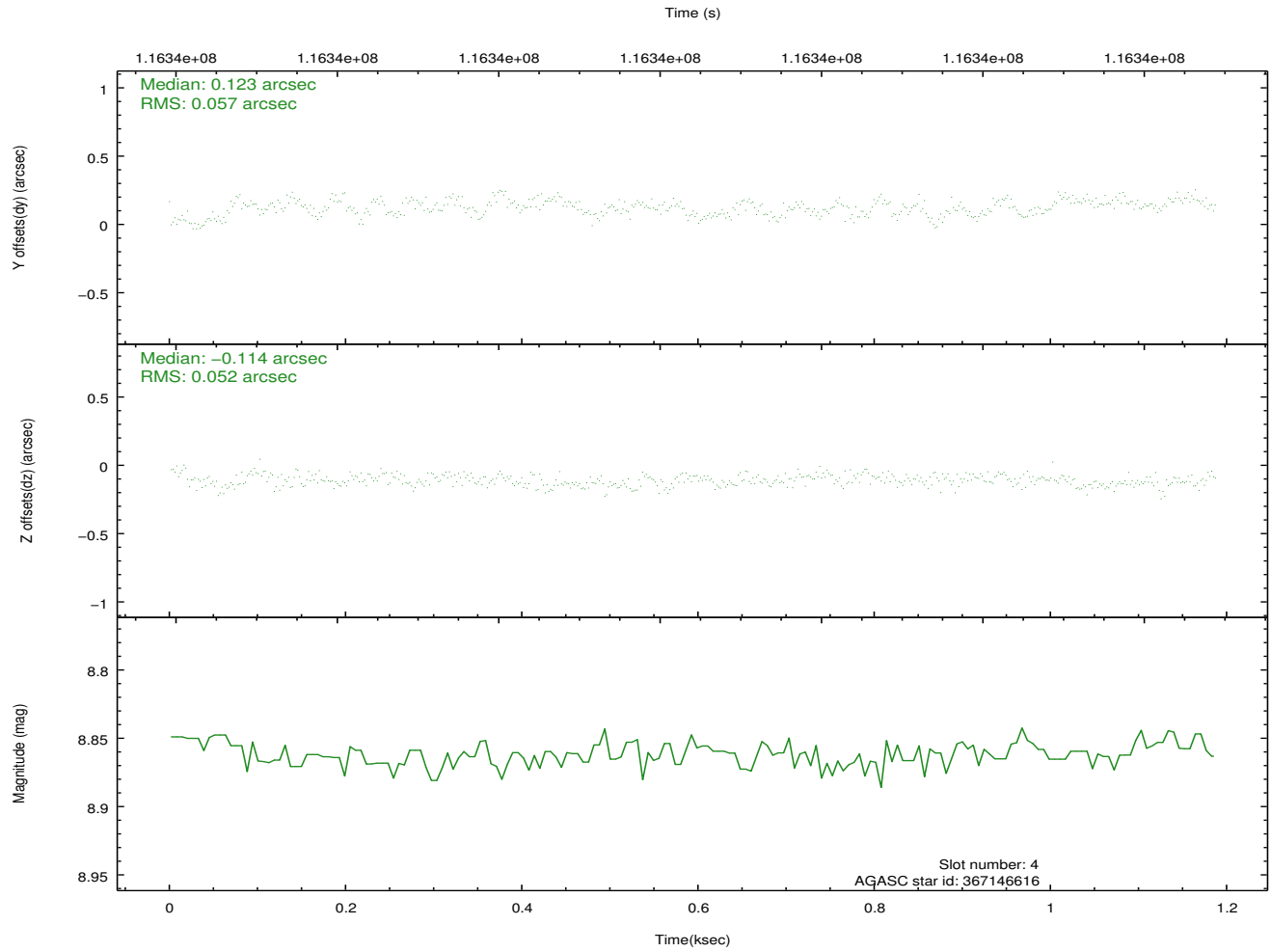
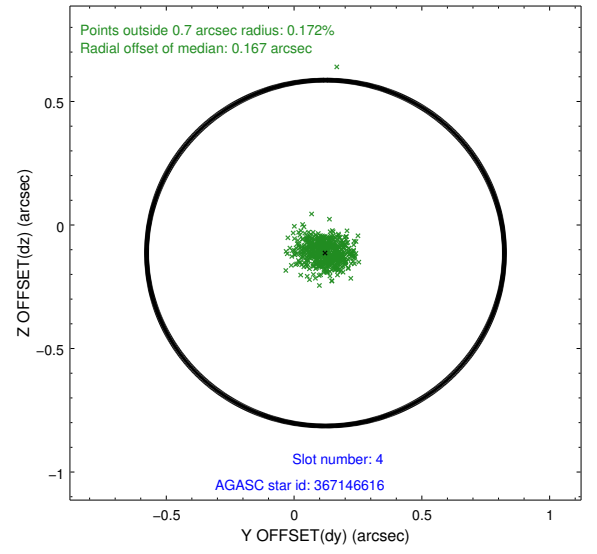
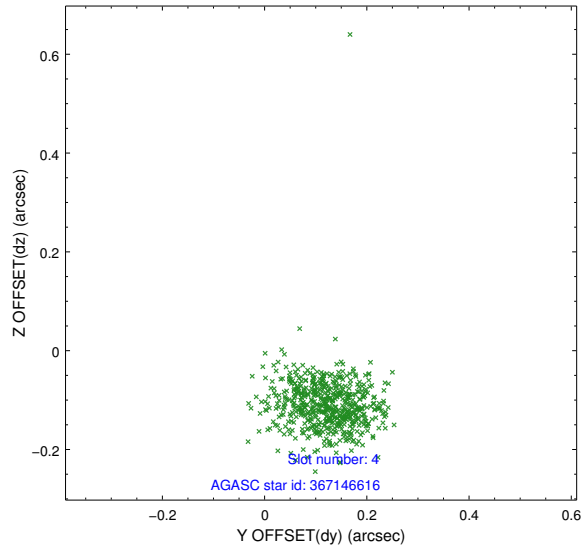


## 2.4 Star Slots

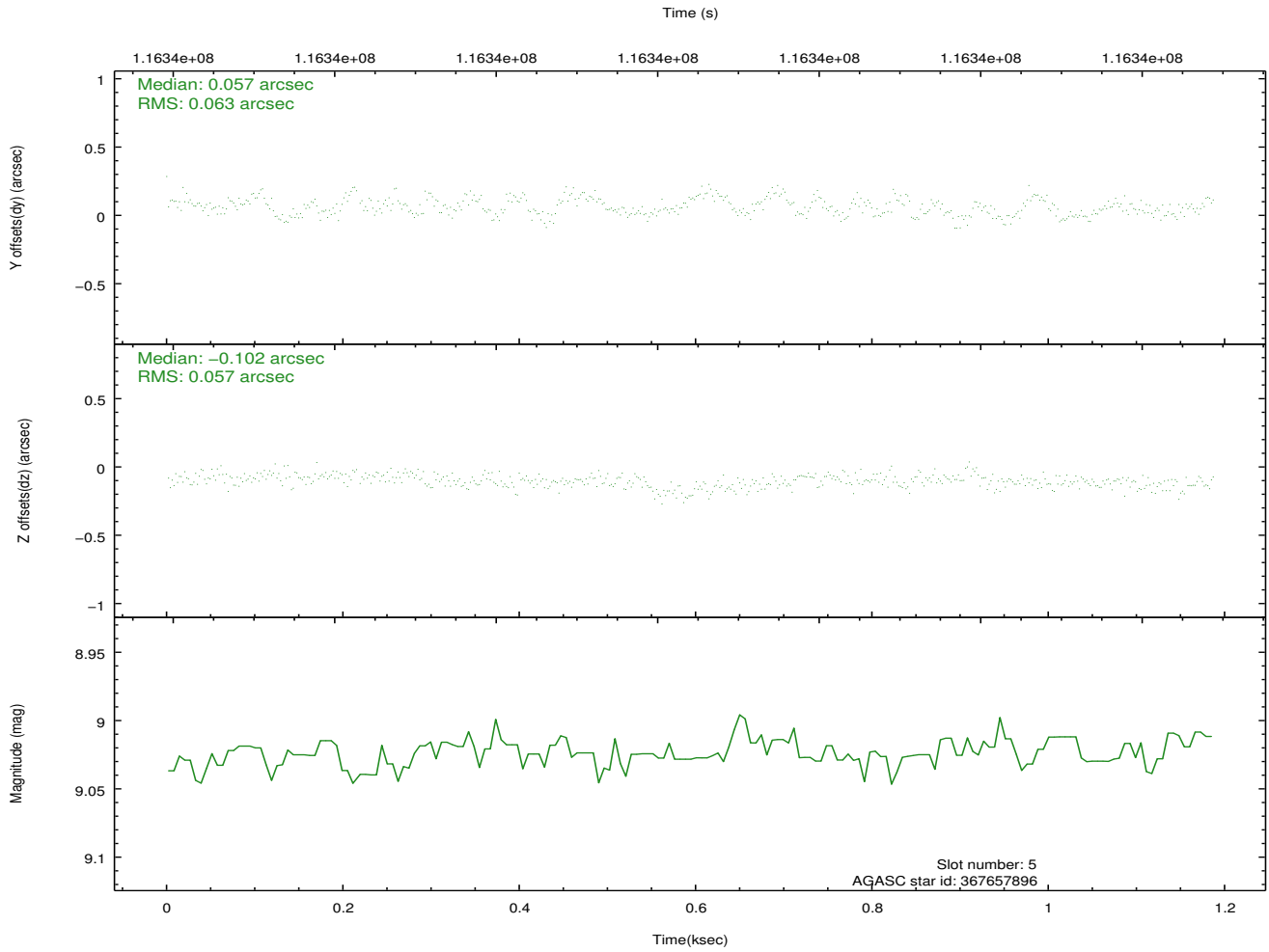
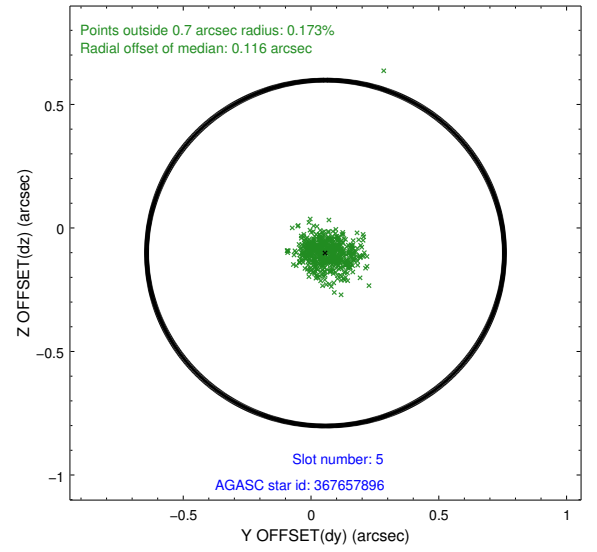
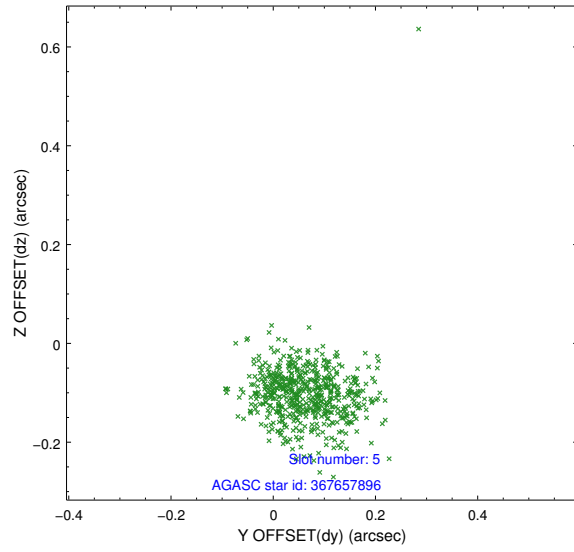
### 2.4.1 Slot 3



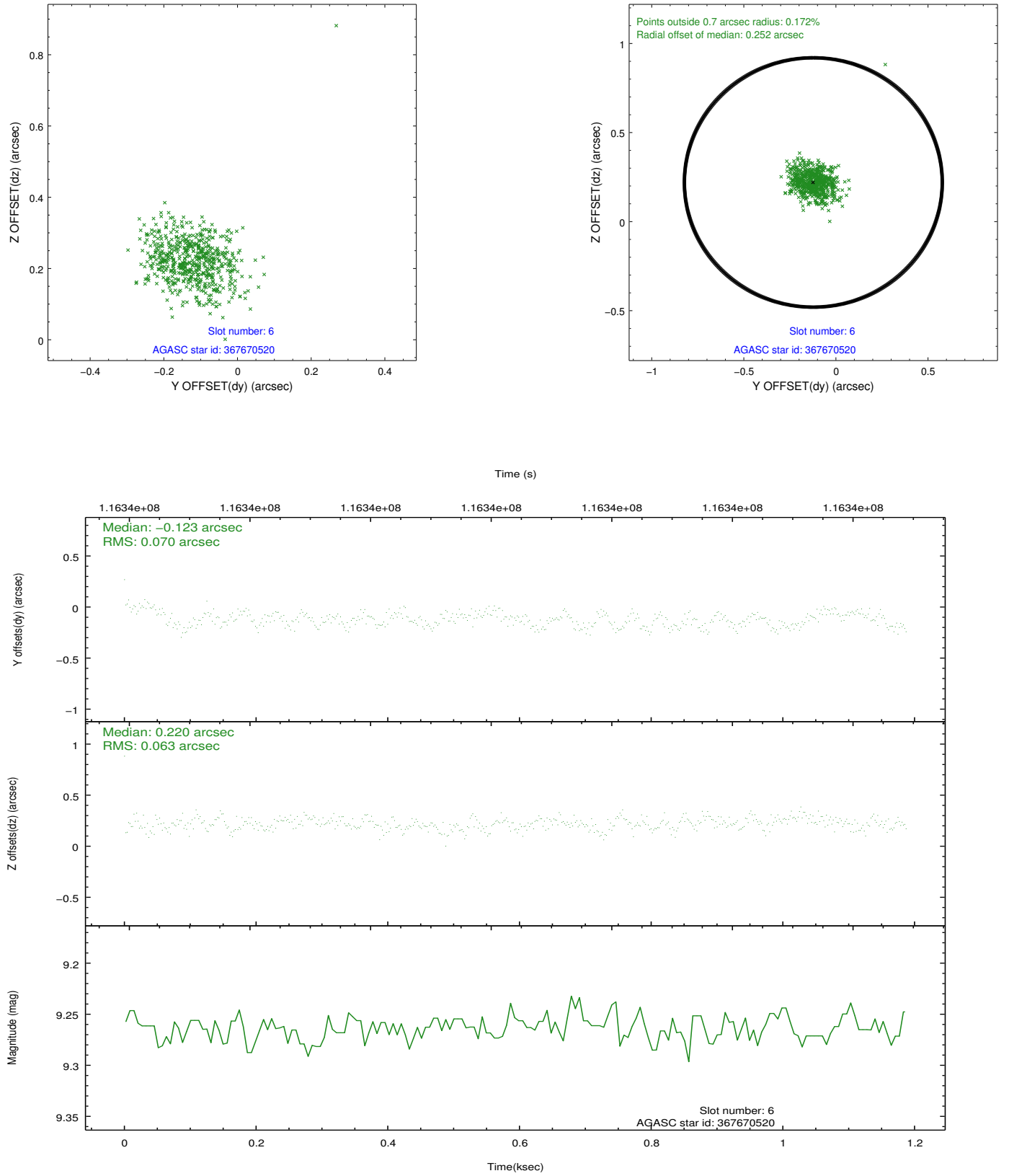
## 2.4.2 Slot 4



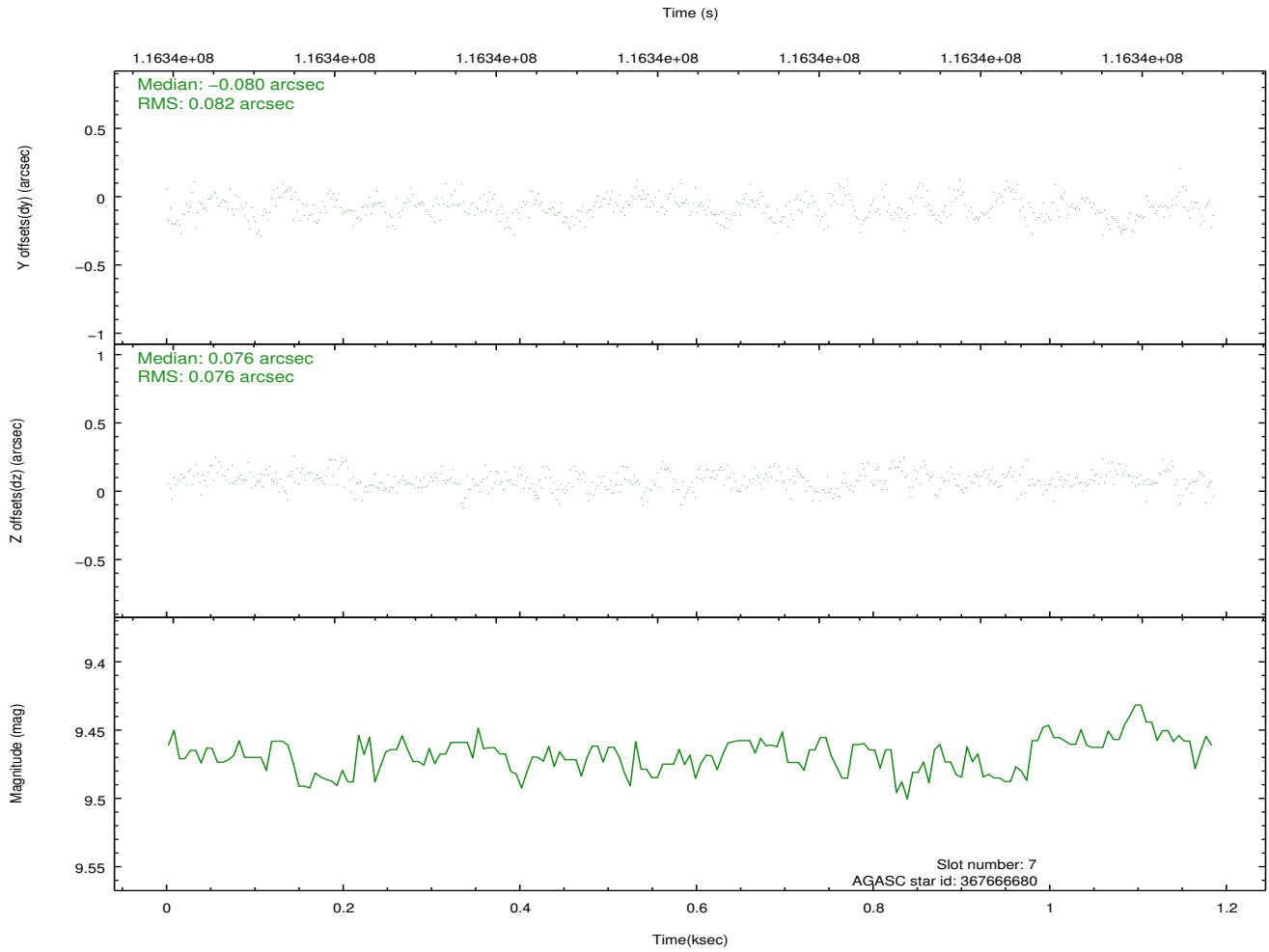
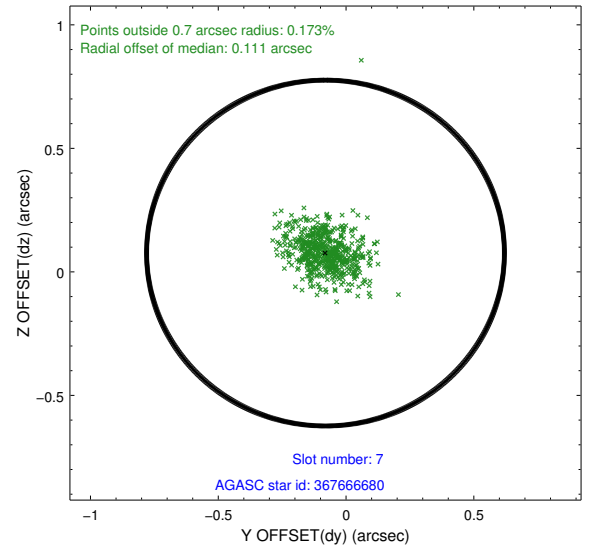
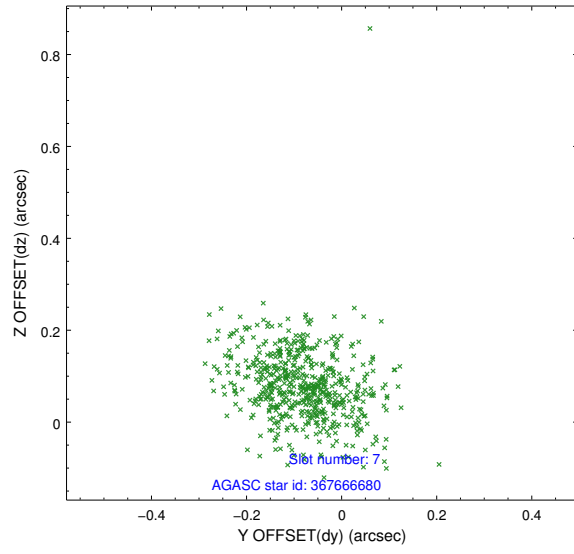
### 2.4.3 Slot 5



## 2.4.4 Slot 6

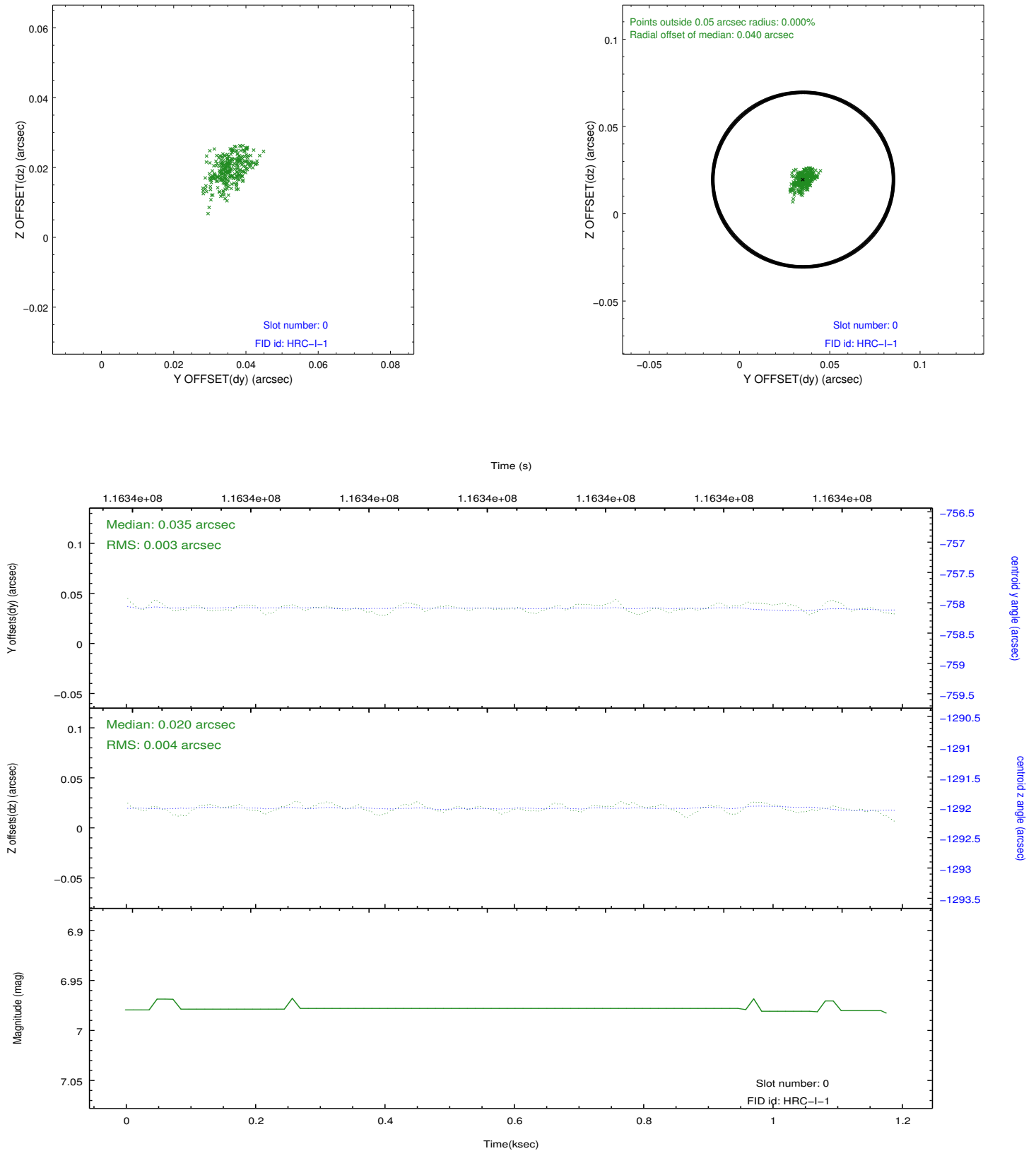


## 2.4.5 Slot 7

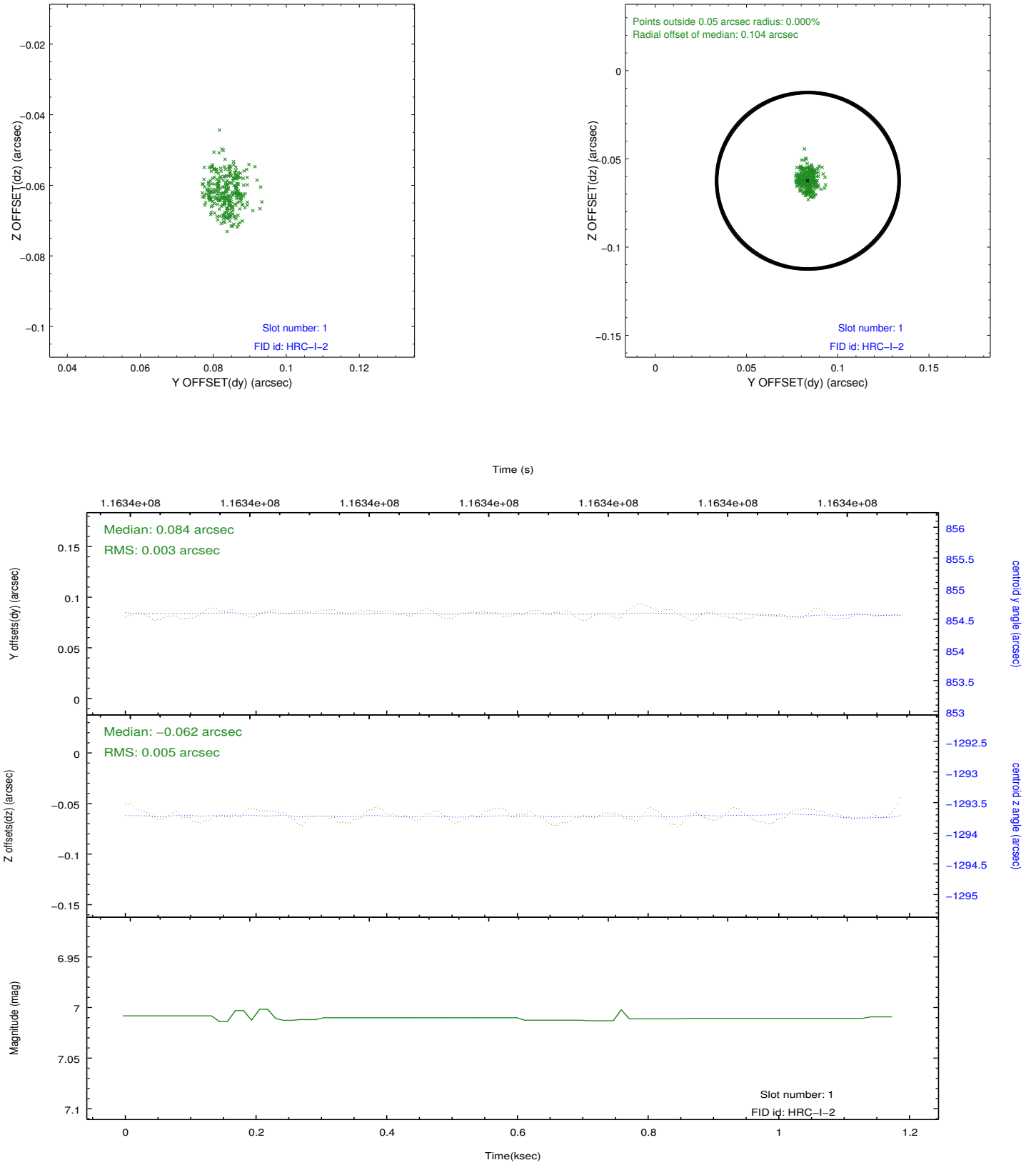


## 2.5 FID Slots

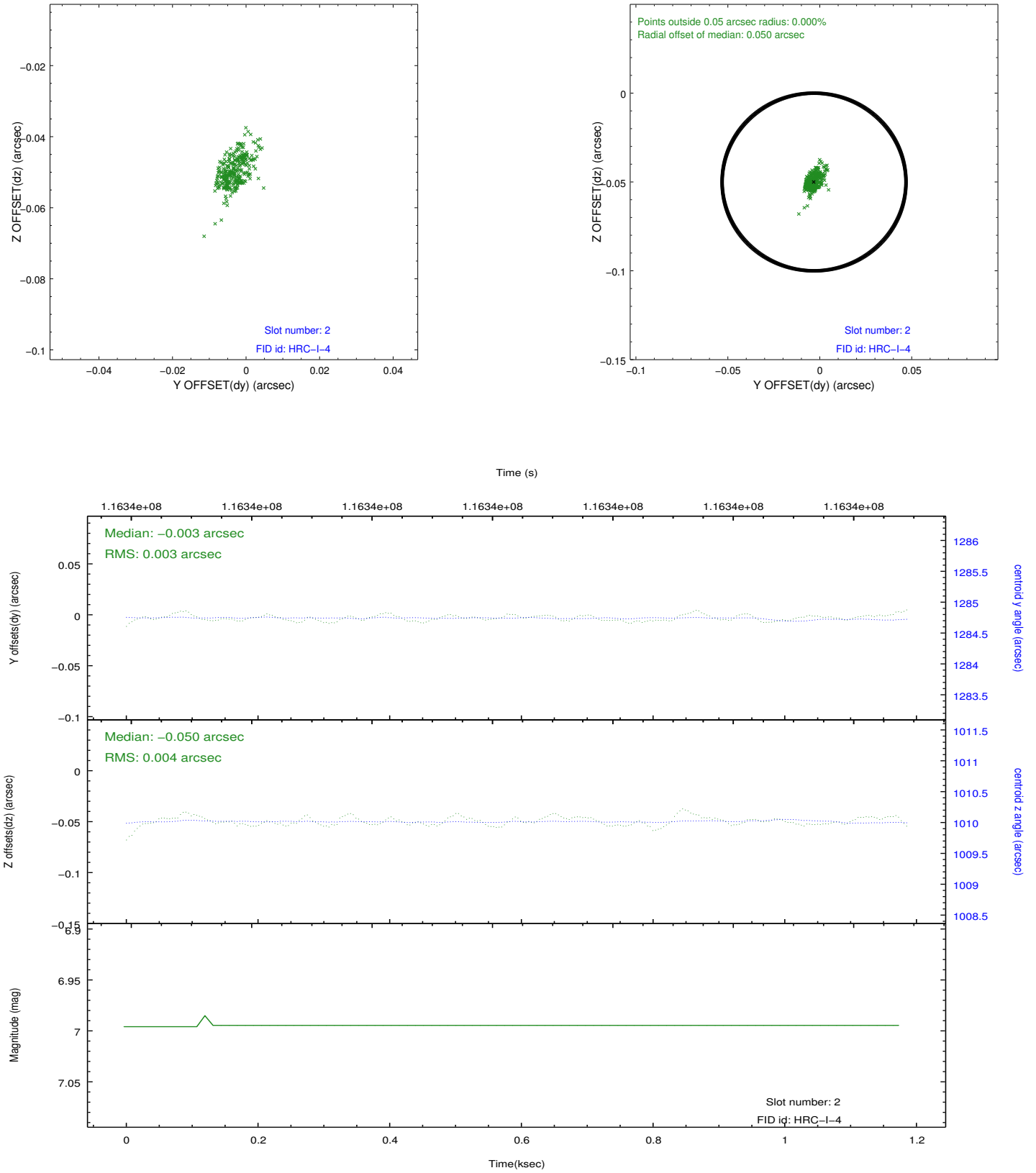
### 2.5.1 Slot 0



## 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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

### A.2 Comments

Window constraint not met.