

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 283 - L2 Version 6  
Chandra X-Ray Center

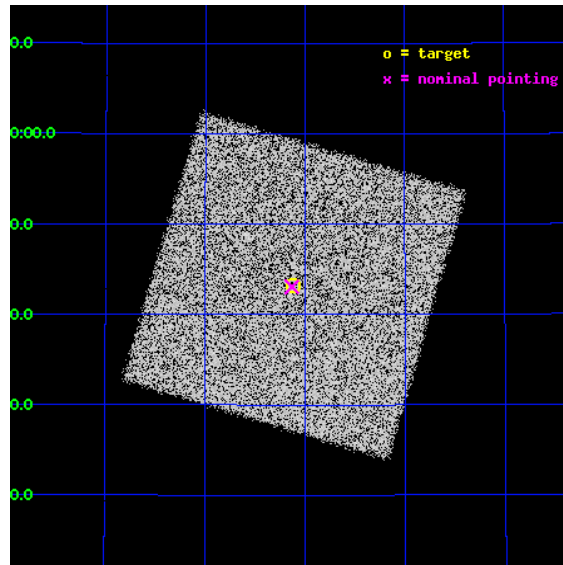
L2 Processing Date : Aug 24 2012

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# 1 Front

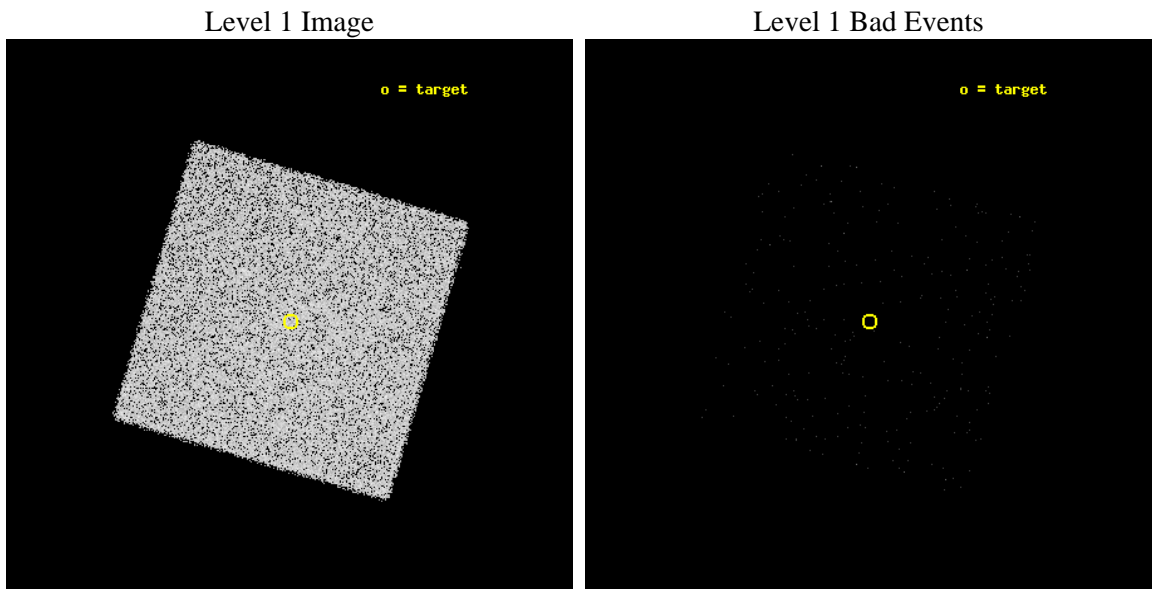
seq_num	600043	Sequence number
obs_id	283	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - North 1	Source name
ra_targ	11.029167	Observer's specified target RA [deg]
dec_targ	41.721111	Observer's specified target Dec [deg]
ra_nom	11.032828763401	Nominal RA [deg]
dec_nom	41.718035026078	Nominal Dec [deg]
roll_nom	331.49511625635	Nominal Roll [deg]
revision	6	Processing version of data
ontime	2489.9813409597	[s]
livetime	2476.4931917301	Ontime multiplied by DTCOR
l2events	63851	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2489.9813409597	[s]
caldbver	4.5.1.1	&#160	l1events	110579	Number of level 1 events
date	2012-08-24T04:28:56	Date and time of file creation			
revision	6	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

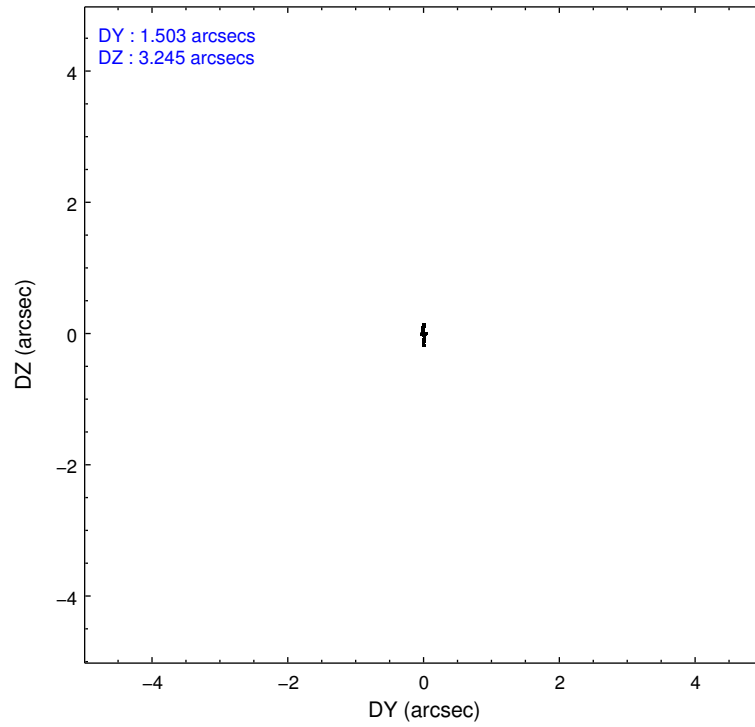
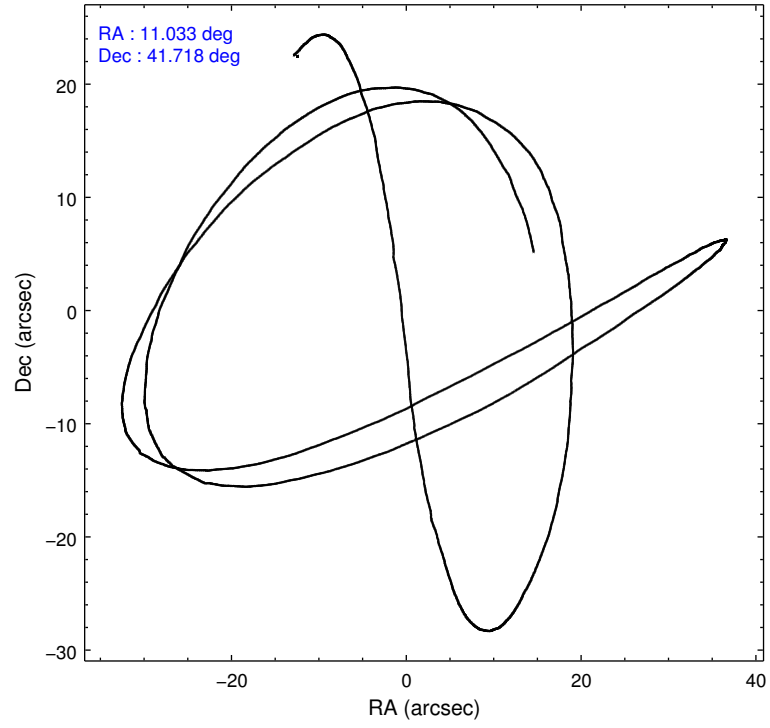
	<b>segment 0</b>
level 1 events	110579
rejected events	12176
rejected %	11%

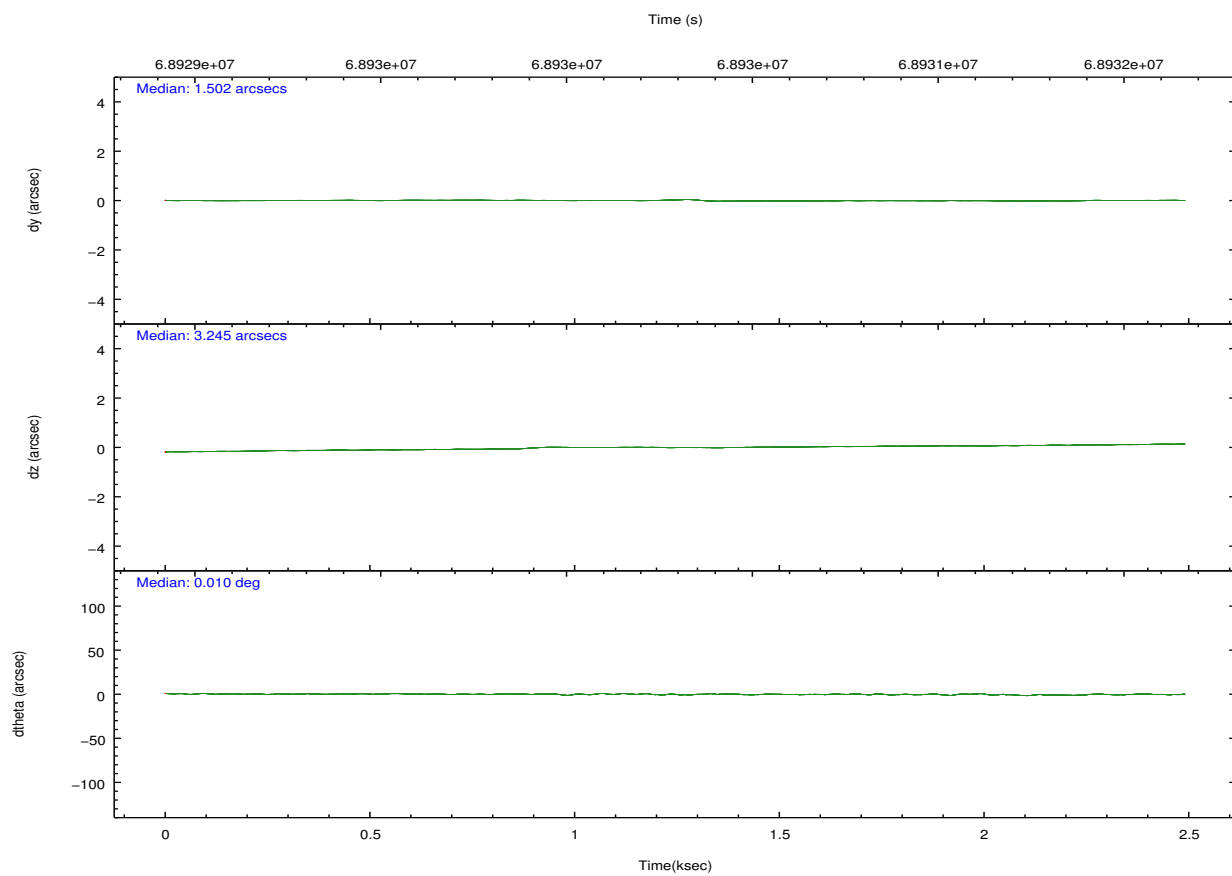
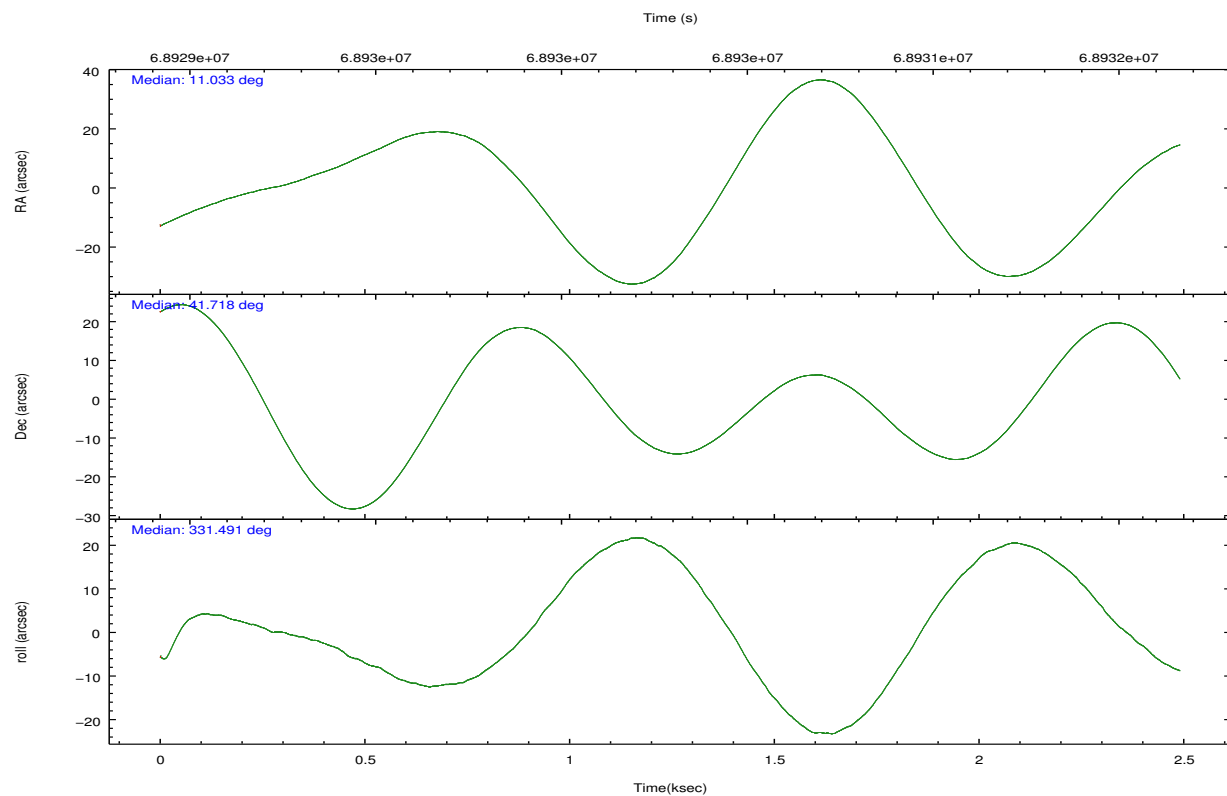
## 2.2 Compared Parameters

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	10.996395	11.03282876340114
[deg] Pointing Dec	41.716519	41.7180350260777
[deg] Pointing Roll	331.614925	331.4951162563547
[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)	68929538.184000	68928872.264989
Observation start date	2000-03-08T19:04:34	2000-03-08T18:54:32
[s] Observation end time (MET)	68931538.184000	68931672.565092
Observation end date	2000-03-08T19:37:54	2000-03-08T19:41:12

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

## 2.3 Aspect





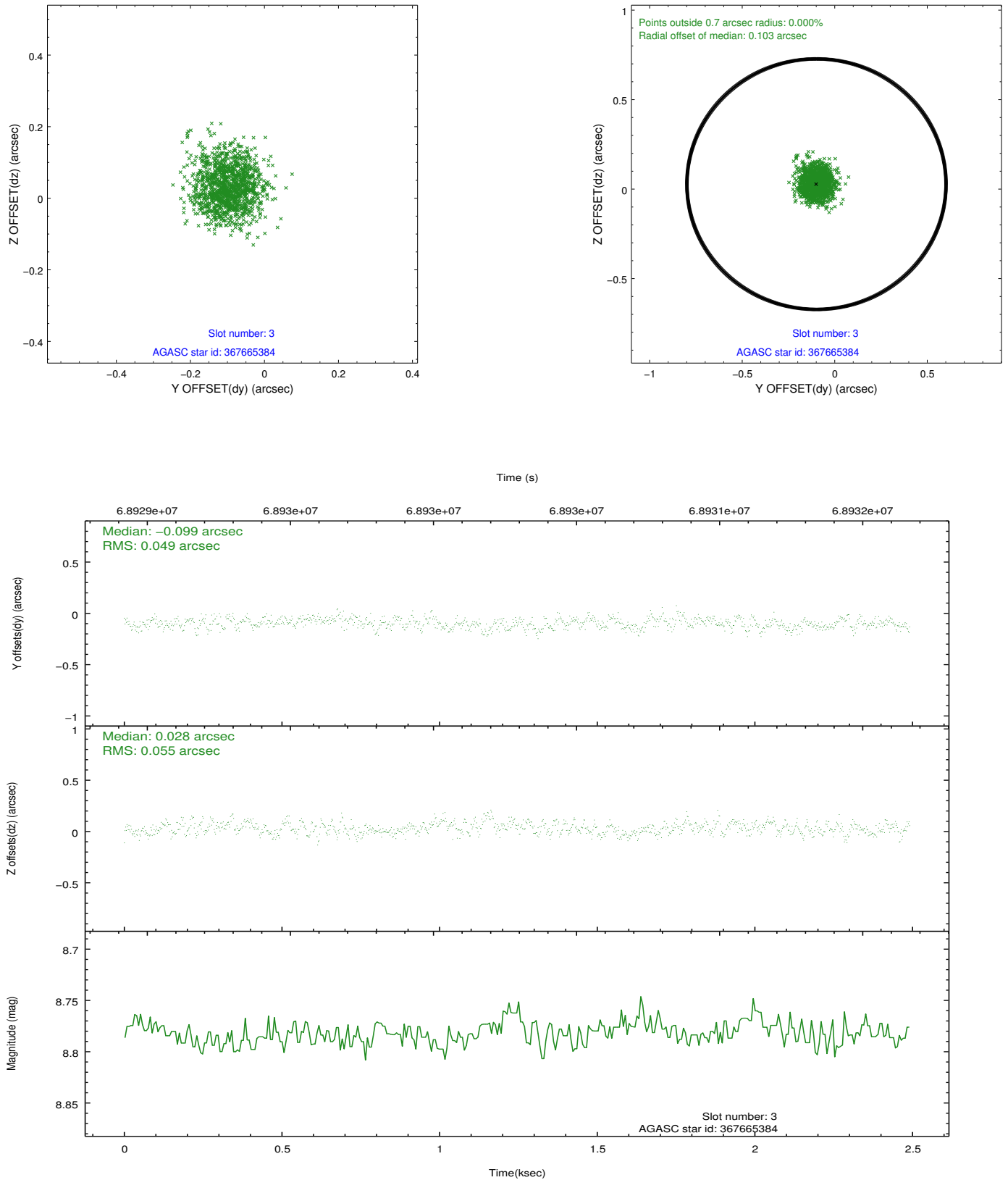
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	608	0.054	-0.043	0.006	0.010	0.000000	0.000000	855.72	-1292.65
1	FID	HRC-I-3	7.03	608	0.043	-0.013	0.006	0.011	0.000000	0.000000	-1183.95	1011.43
2	FID	HRC-I-4	6.98	608	0.021	-0.030	0.006	0.010	0.000000	0.000000	1283.95	1012.76
3	GUIDE	367665384	8.78	1215	-0.099	0.028	0.079	0.126	10.414363	42.275730	-2321.75	1037.00
4	GUIDE	367146616	8.87	1215	0.069	-0.005	0.080	0.127	11.418645	41.190163	1906.13	-1121.47
5	GUIDE	367657896	9.02	1216	0.061	-0.038	0.070	0.117	11.197765	41.313576	1172.03	-1019.29
6	GUIDE	367659208	9.31	1215	0.047	0.029	0.112	0.168	11.848231	42.124331	1300.55	2380.52
7	GUIDE	367665472	9.49	1213	-0.082	-0.019	0.084	0.131	10.241611	41.730843	-1809.68	-910.67

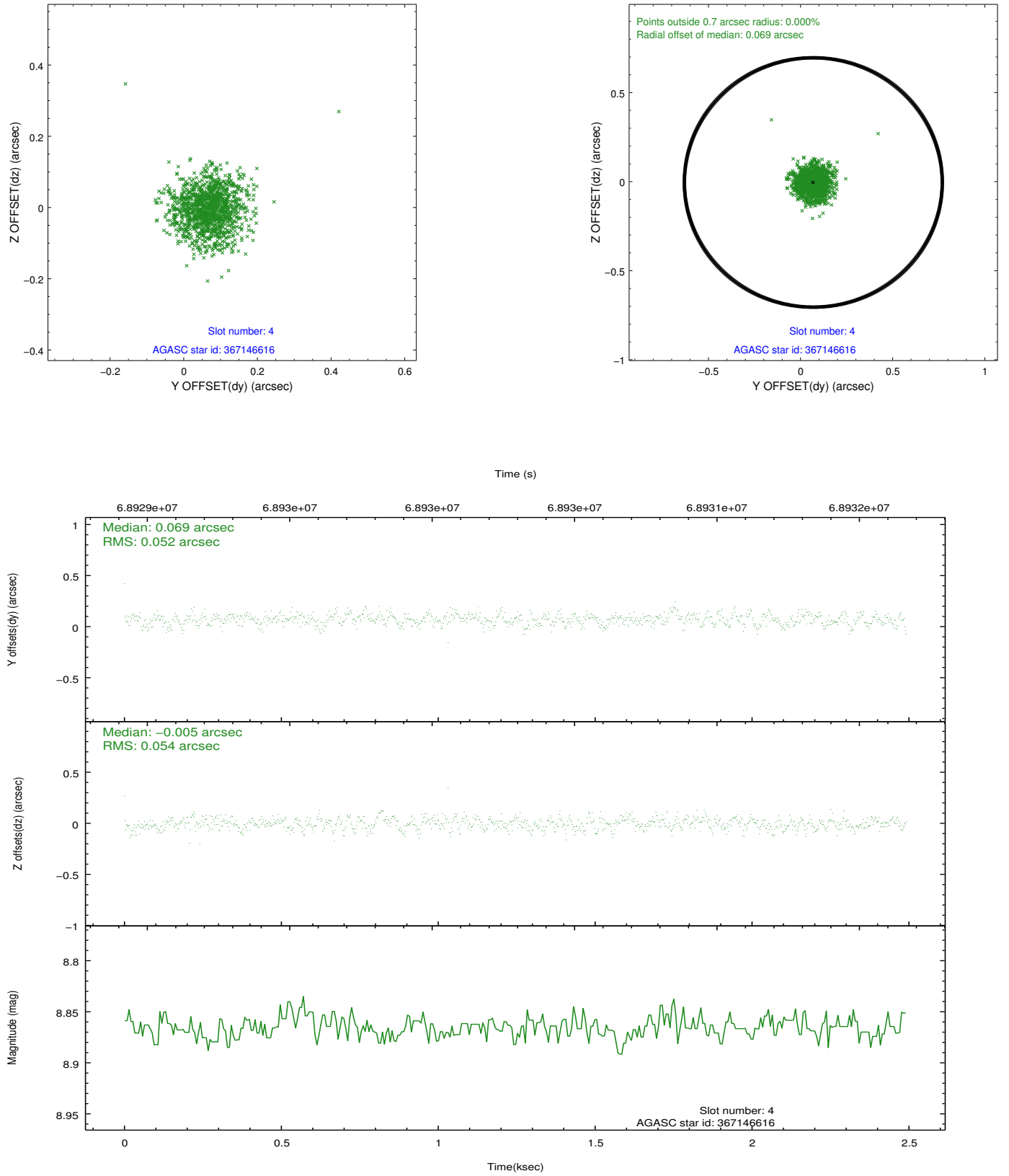


## 2.4 Star Slots

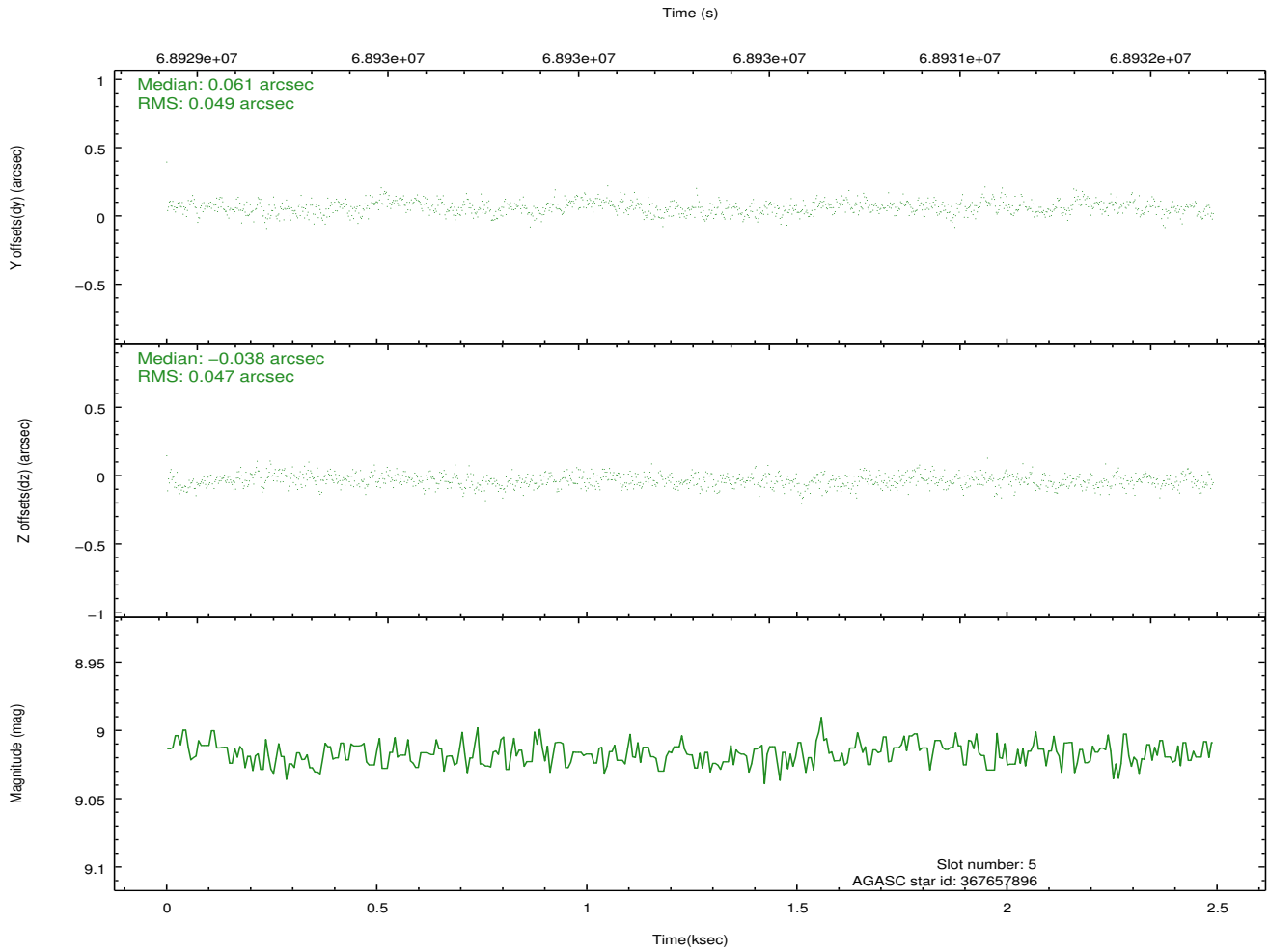
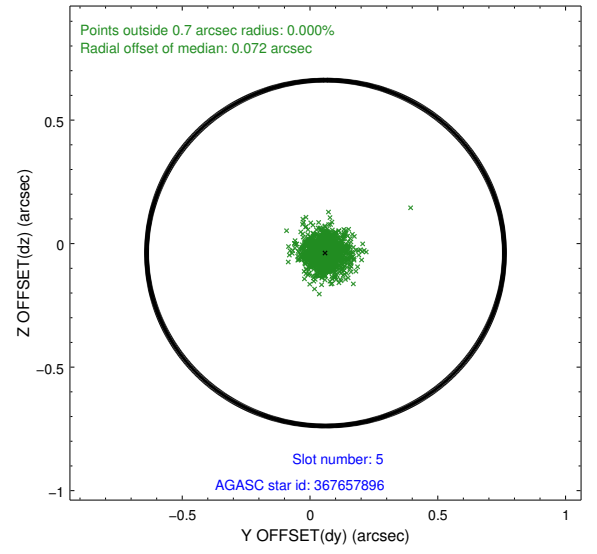
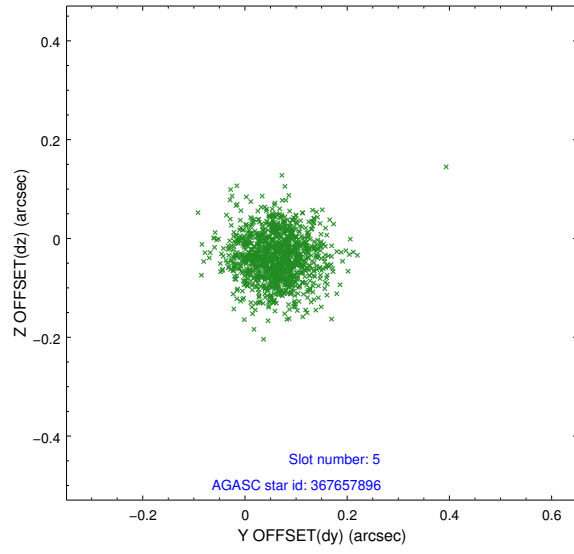
### 2.4.1 Slot 3



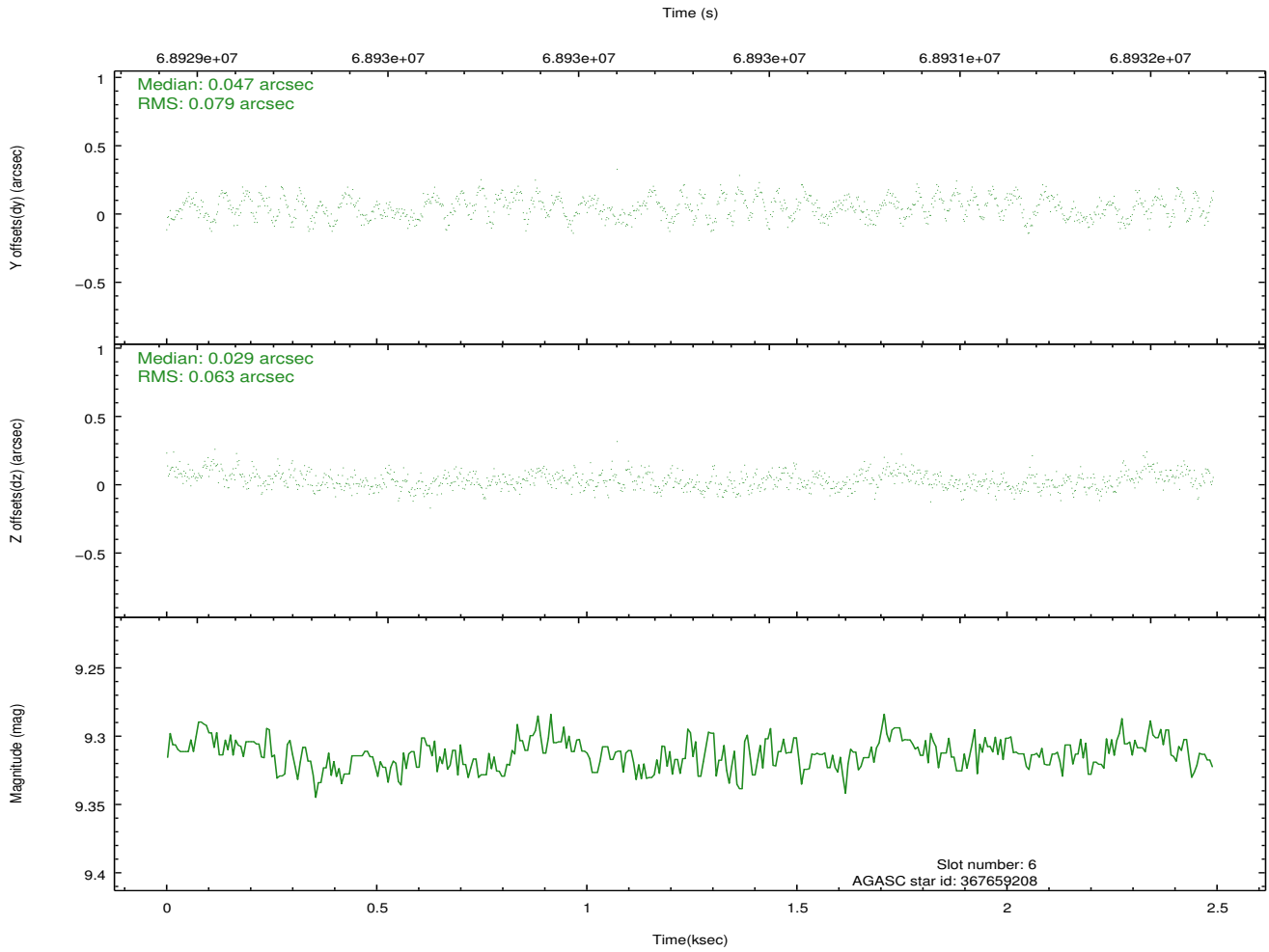
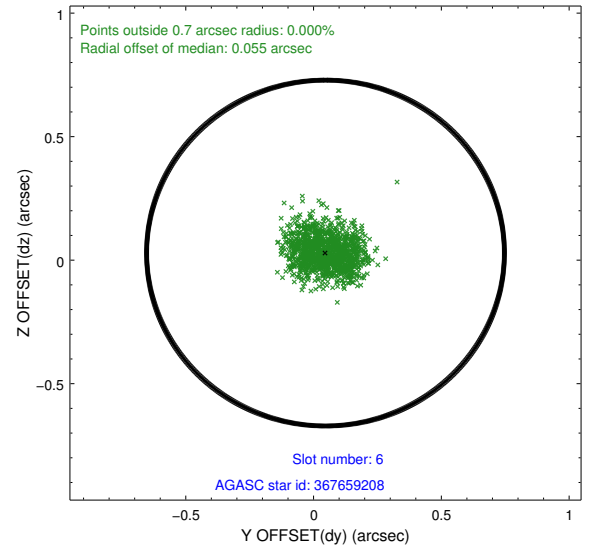
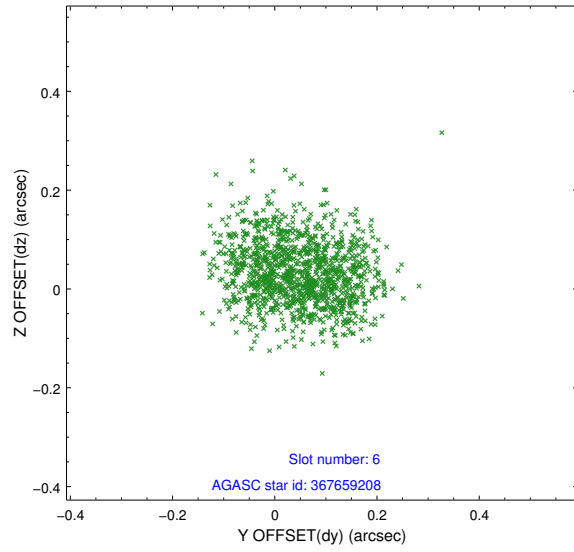
## 2.4.2 Slot 4



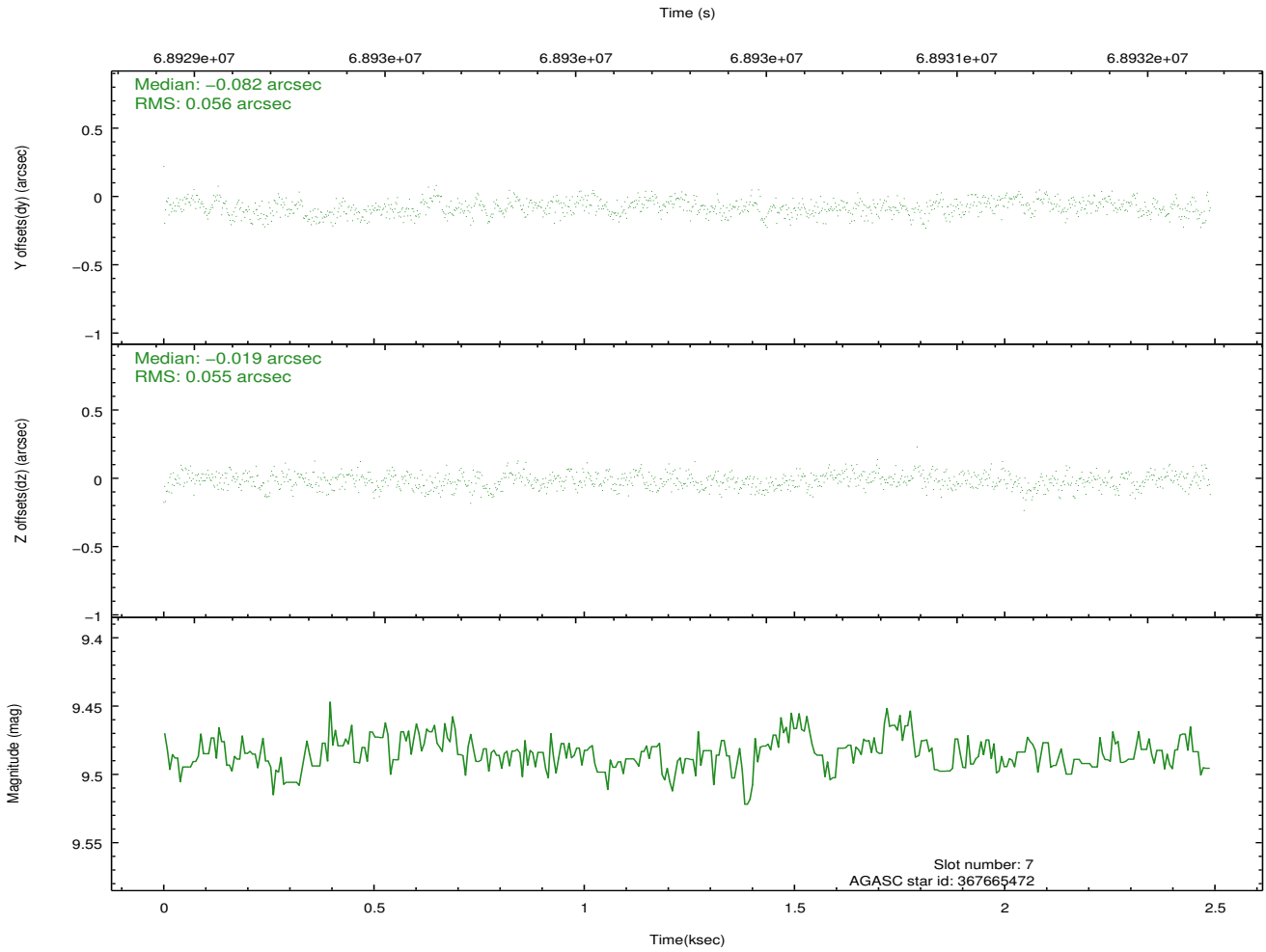
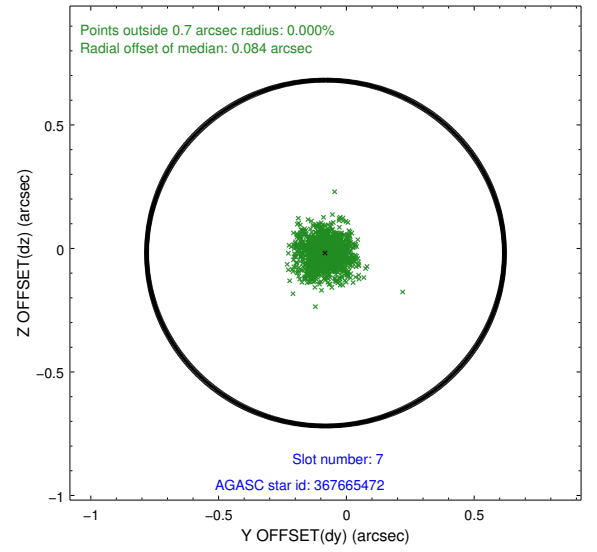
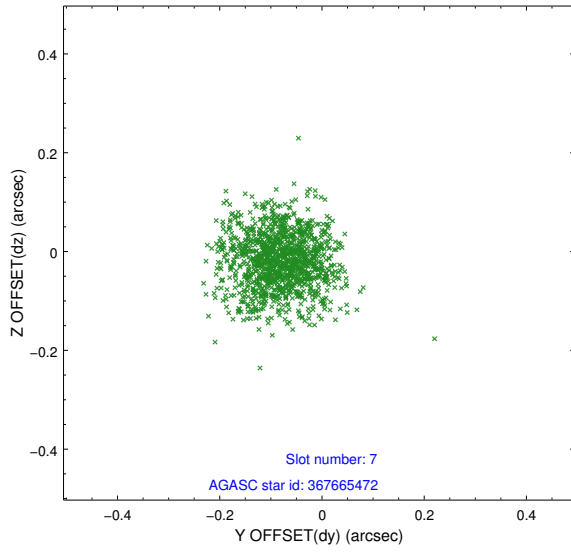
### 2.4.3 Slot 5



## 2.4.4 Slot 6

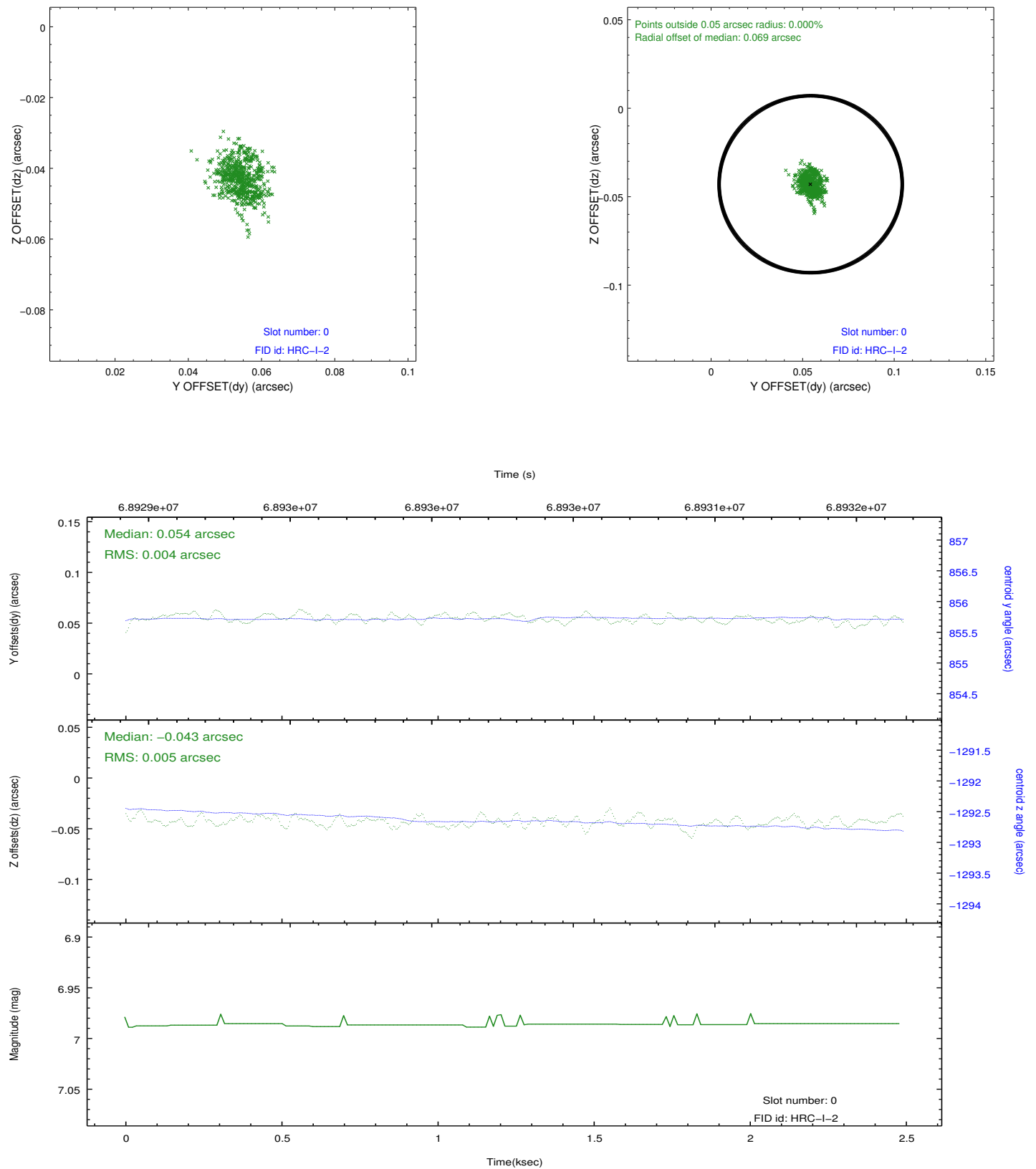


## 2.4.5 Slot 7

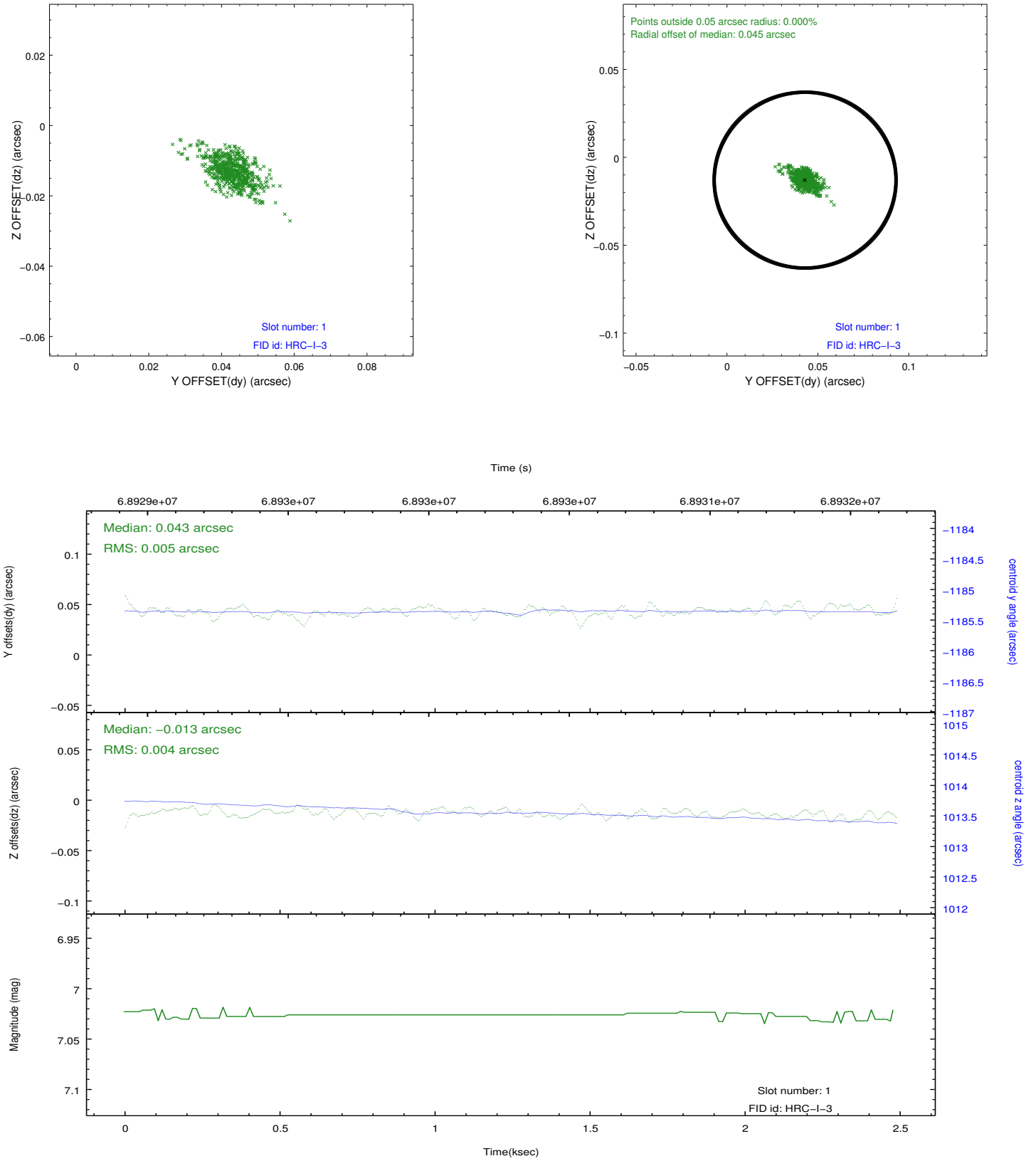


## 2.5 FID Slots

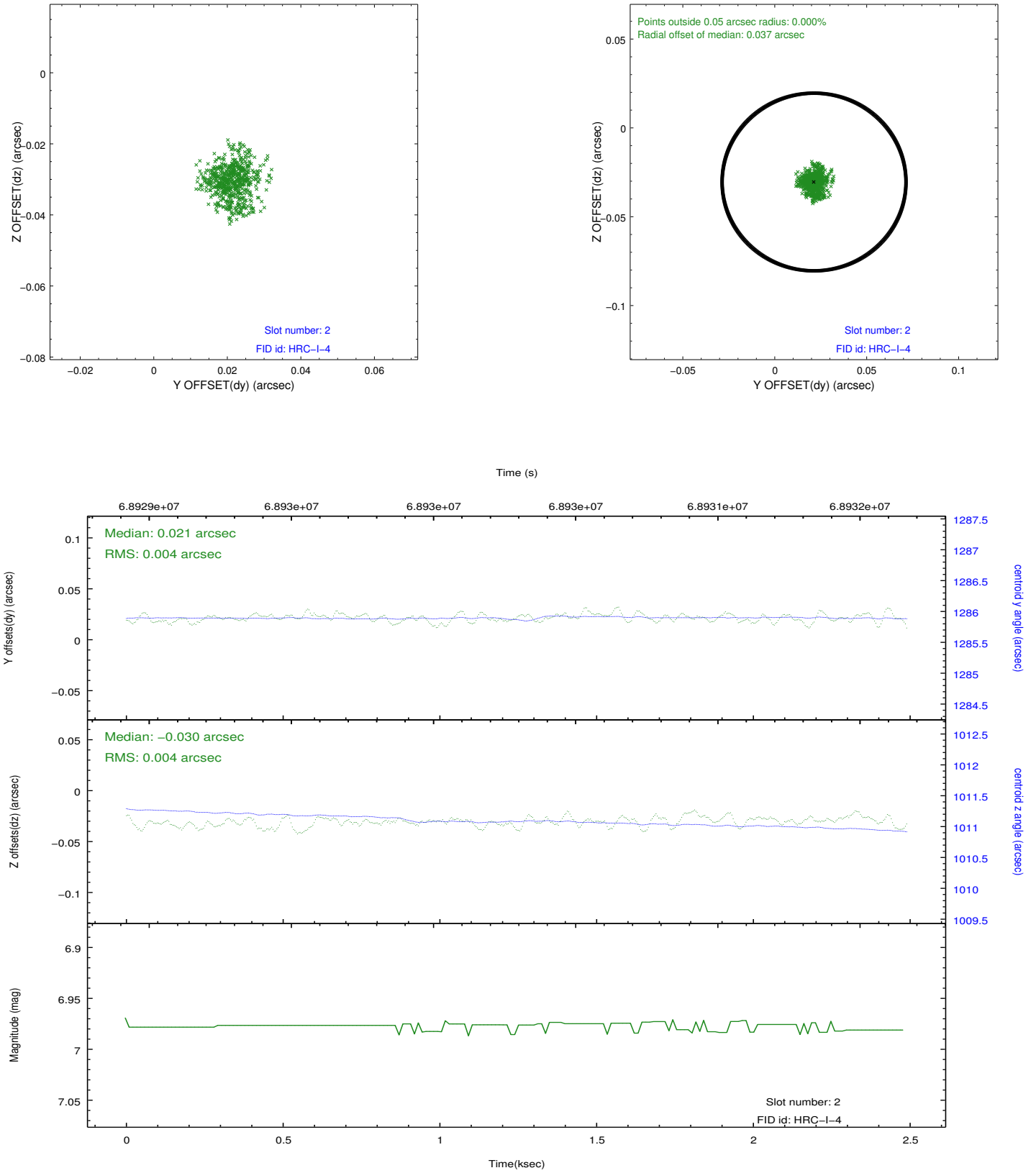
### 2.5.1 Slot 0



## 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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.49

### A.2 Comments