

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 252 - L2 Version 5  
Chandra X-Ray Center

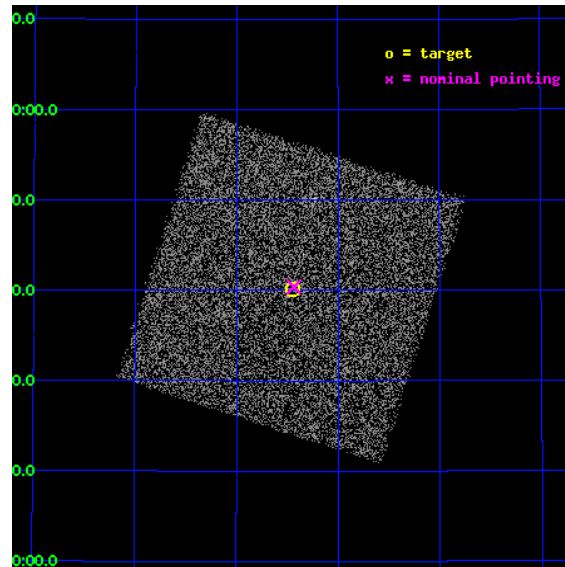
L2 Processing Date : Sep 1 2012

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# 1 Front

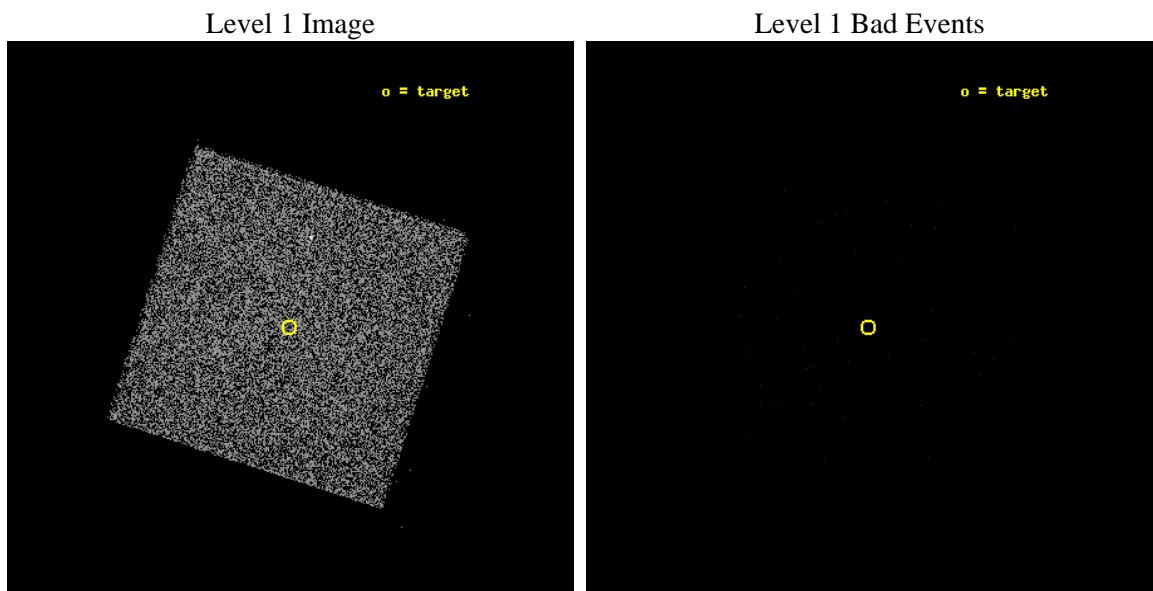
seq_num	600012	Sequence number
obs_id	252	Observation id
title	MONITORING M31	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 - South 2	Source name
ra_targ	10.1125	Observer's specified target RA [deg]
dec_targ	40.67	Observer's specified target Dec [deg]
ra_nom	10.108671040201	Nominal RA [deg]
dec_nom	40.673550843601	Nominal Dec [deg]
roll_nom	152.92367550717	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1193.8687948585	[s]
livetime	1188.5734931996	Ontime multiplied by DTCOR
l2events	26444	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	1193.8687948585	[s]
caldbver	4.5.1.1	&#160	l1events	47653	Number of level 1 events
date	2012-09-01T15:35:02	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

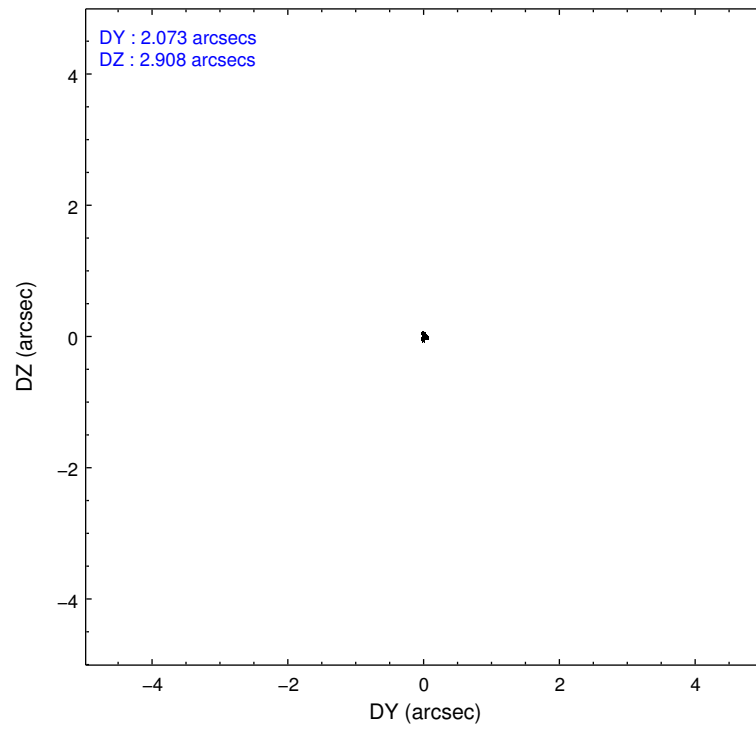
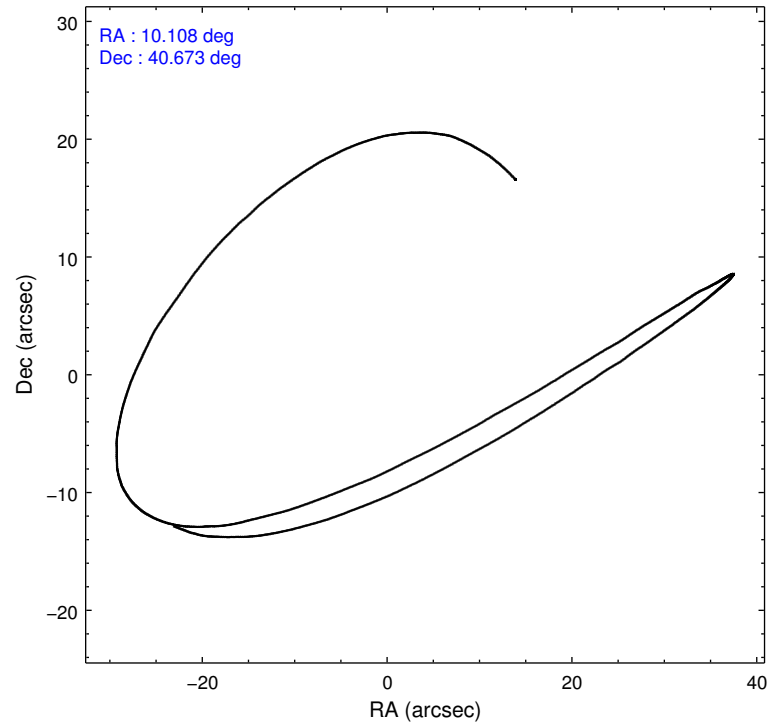
	<b>segment 0</b>
level 1 events	47653
rejected events	8065
rejected %	16%

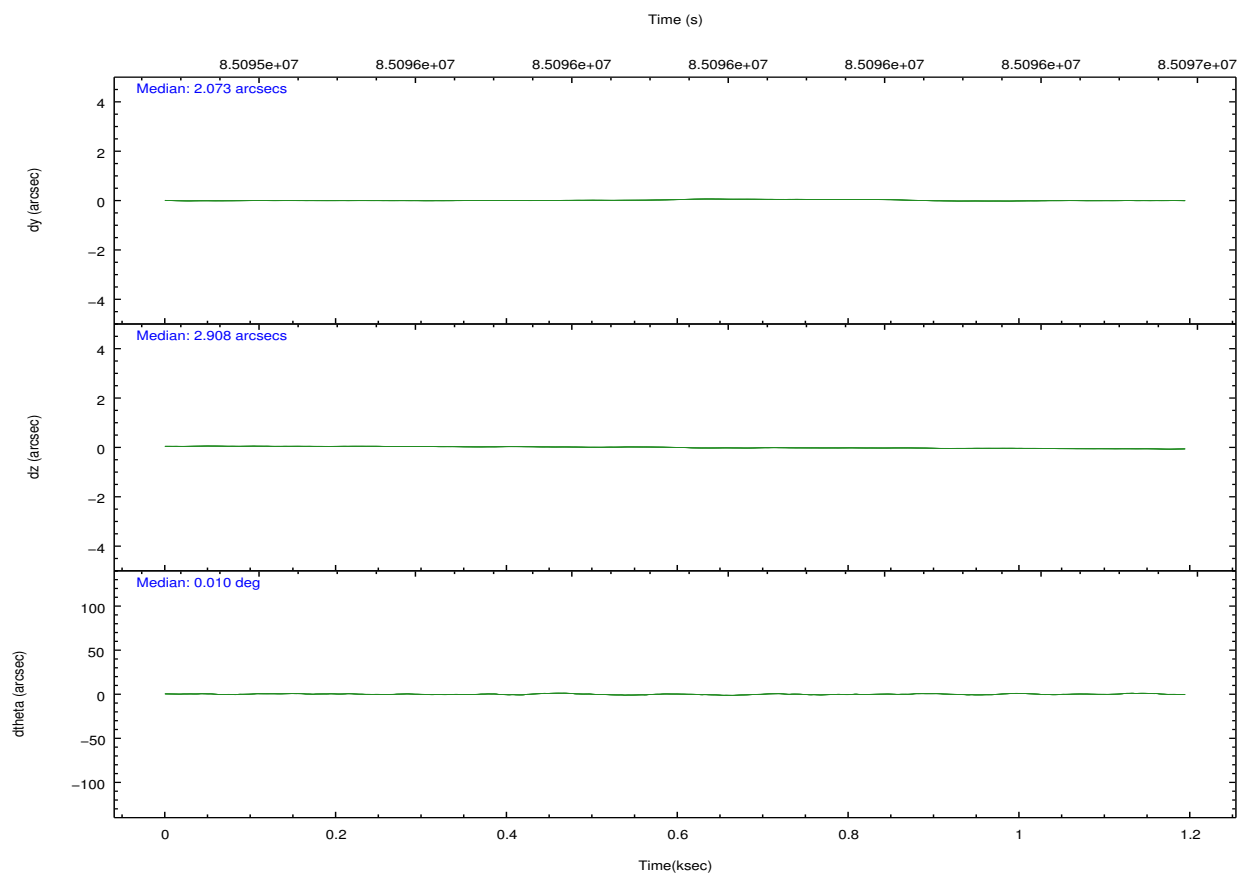
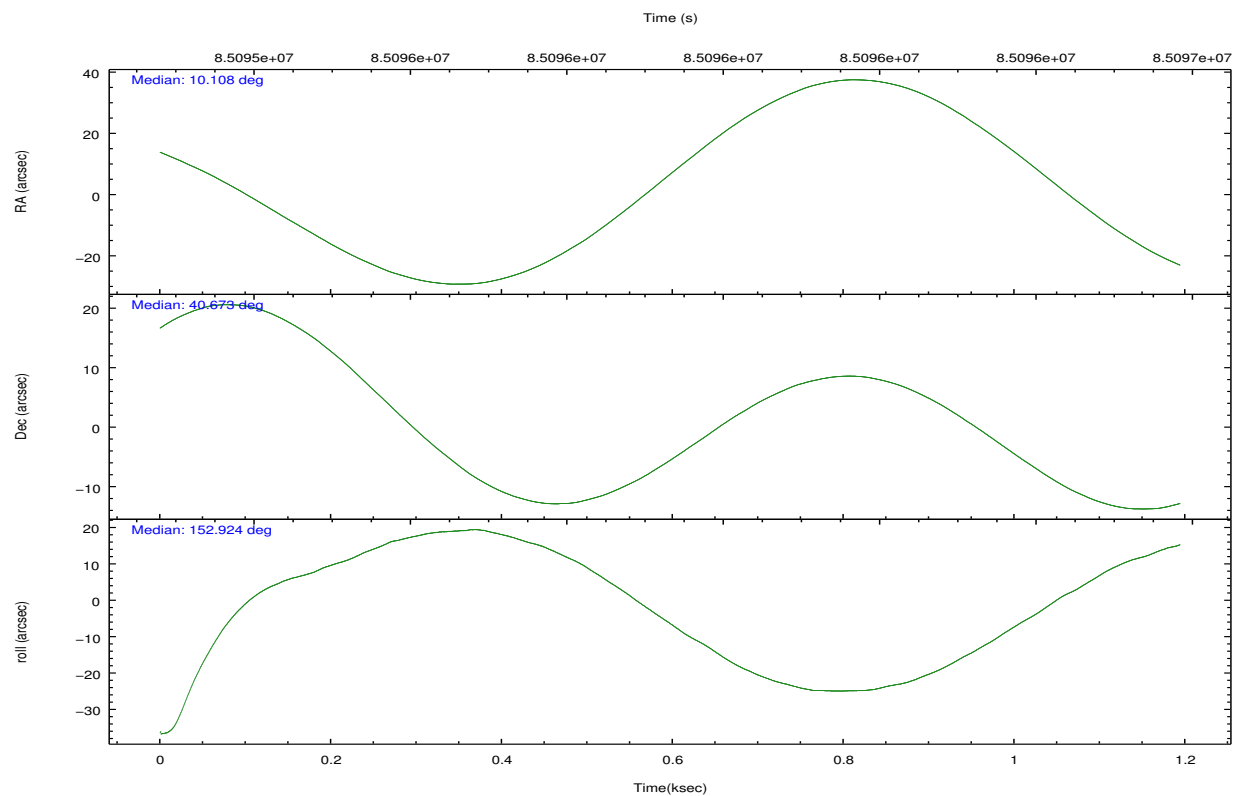
## 2.2 Compared Parameters

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	10.144591	10.10867104020134
[deg] Pointing Dec	40.675181	40.67355084360076
[deg] Pointing Roll	152.995837	152.9236755071684
[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)	85095530.184000	85095154.411956
Observation start date	2000-09-11T21:37:46	2000-09-11T21:32:34
[s] Observation end time (MET)	85096530.184000	85097113.69953001
Observation end date	2000-09-11T21:54:26	2000-09-11T22:05:13

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

## 2.3 Aspect





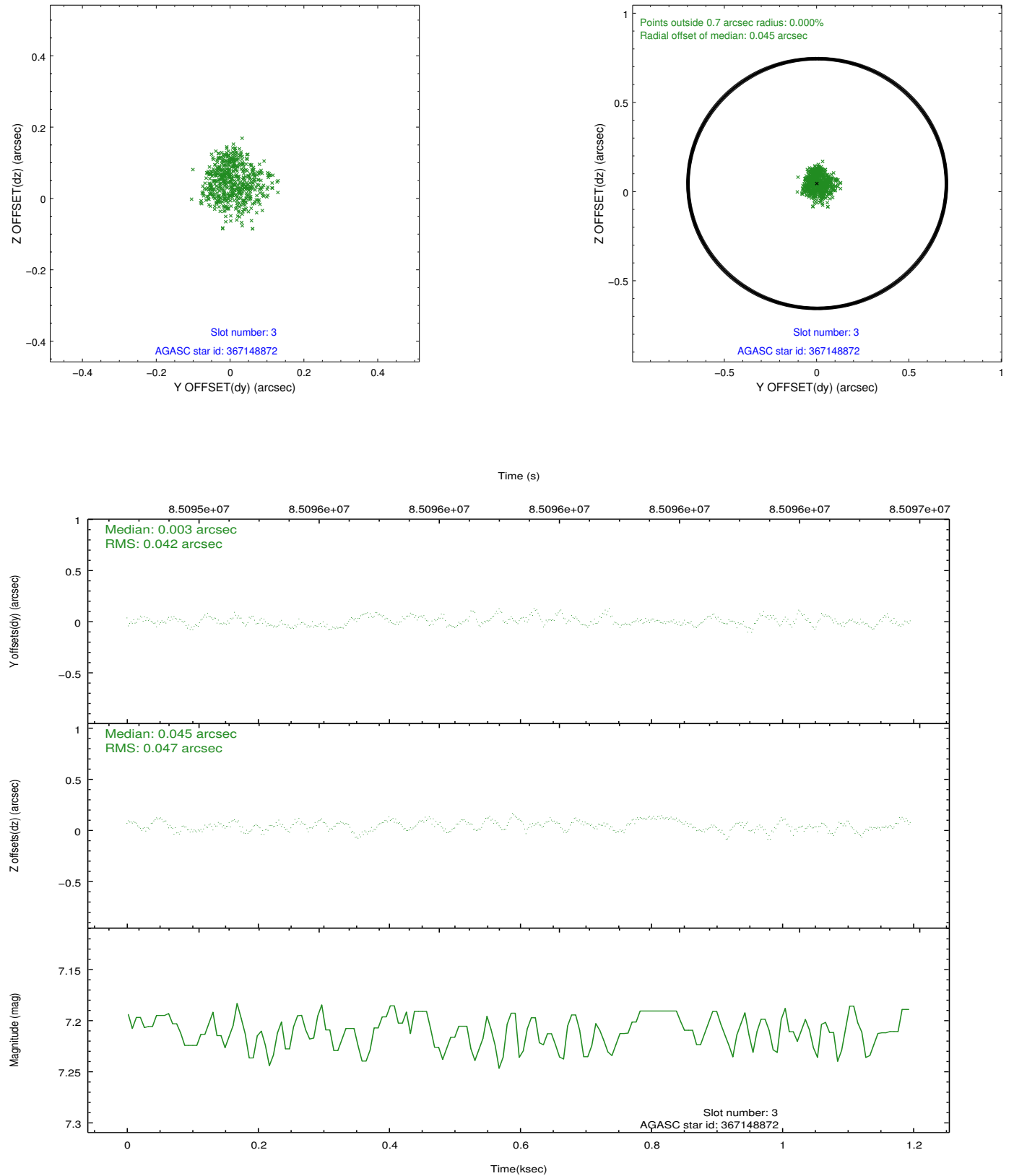
### Slot Statistics

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	292	0.064	-0.025	0.006	0.009	0.000000	0.000000	855.12	-1292.25
1	FID	HRC-I-3	7.04	292	0.036	-0.008	0.005	0.012	0.000000	0.000000	-1183.03	1009.53
2	FID	HRC-I-4	6.99	292	0.020	-0.054	0.006	0.010	0.000000	0.000000	1281.25	1014.90
3	GUIDE	367148872	7.21	584	0.003	0.045	0.068	0.102	10.505940	40.688258	-856.76	-490.51
4	GUIDE	367139768	7.98	584	0.132	0.117	0.054	0.086	11.069715	40.685175	-2229.29	-1190.33
5	GUIDE	365439720	8.47	584	-0.127	-0.063	0.064	0.095	9.704623	40.431022	672.30	1326.82
6	GUIDE	367144424	8.65	584	0.068	-0.069	0.060	0.096	10.464515	40.309136	-1379.12	777.12
7	GUIDE	365442912	9.60	583	-0.079	-0.045	0.096	0.145	9.345394	40.727461	2029.95	815.85

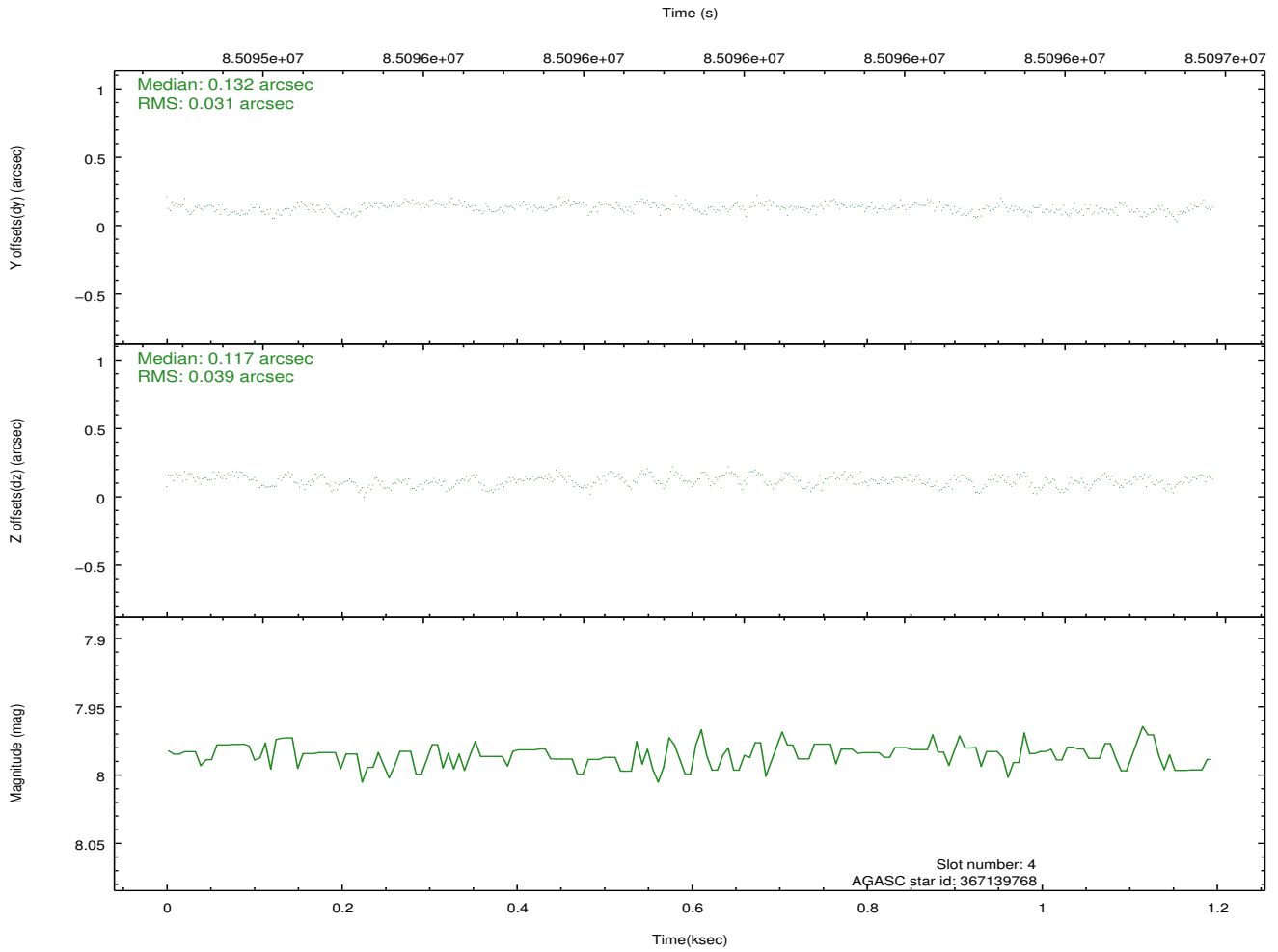
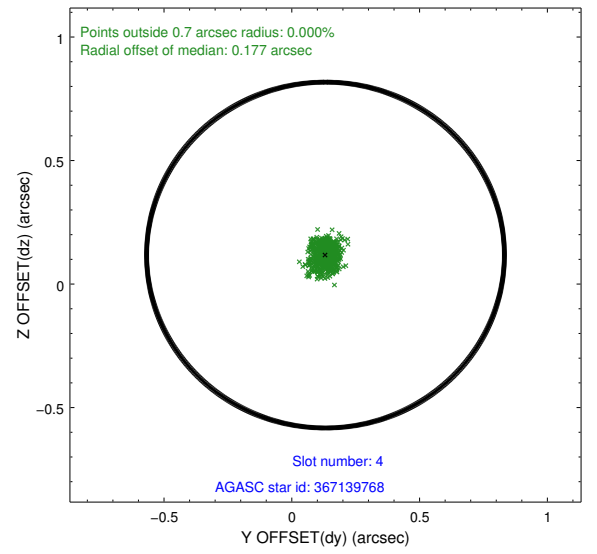
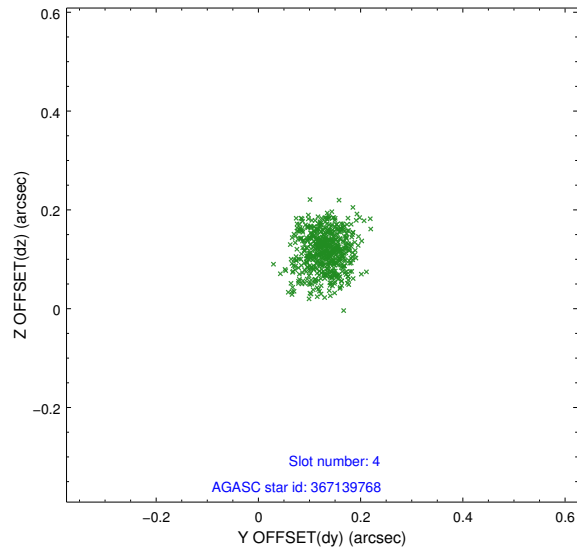


## 2.4 Star Slots

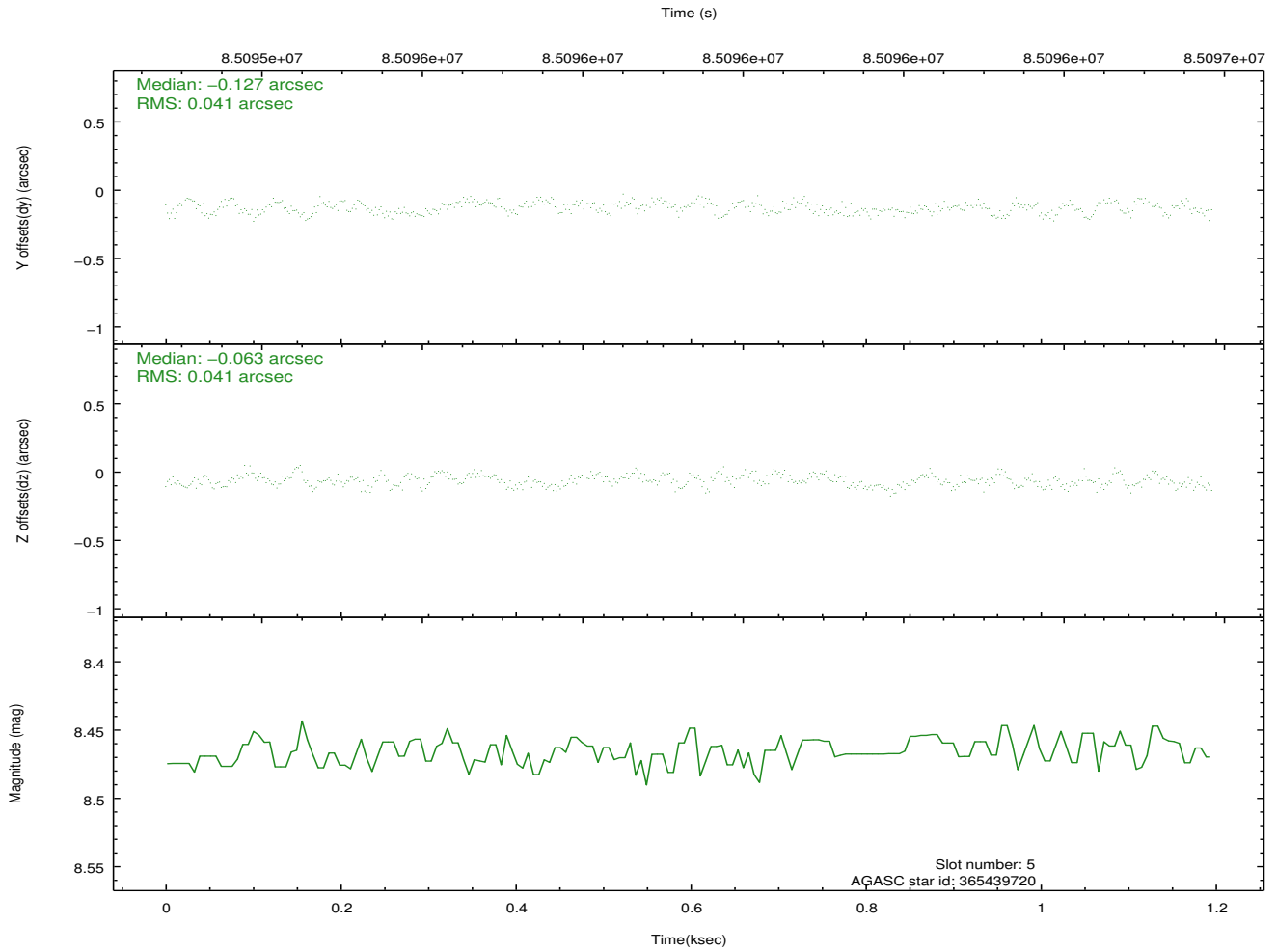
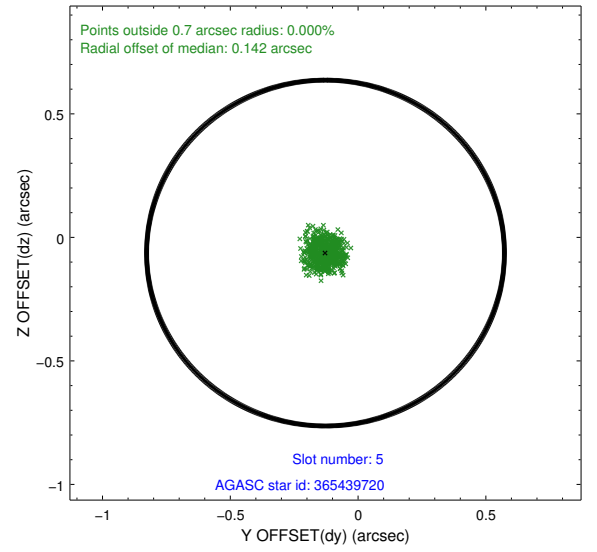
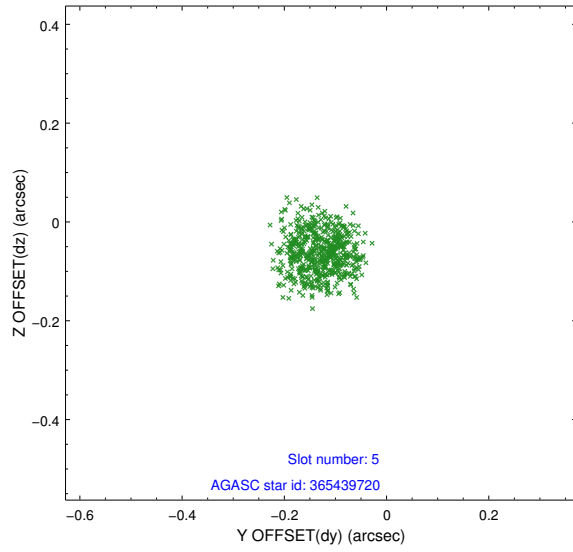
### 2.4.1 Slot 3



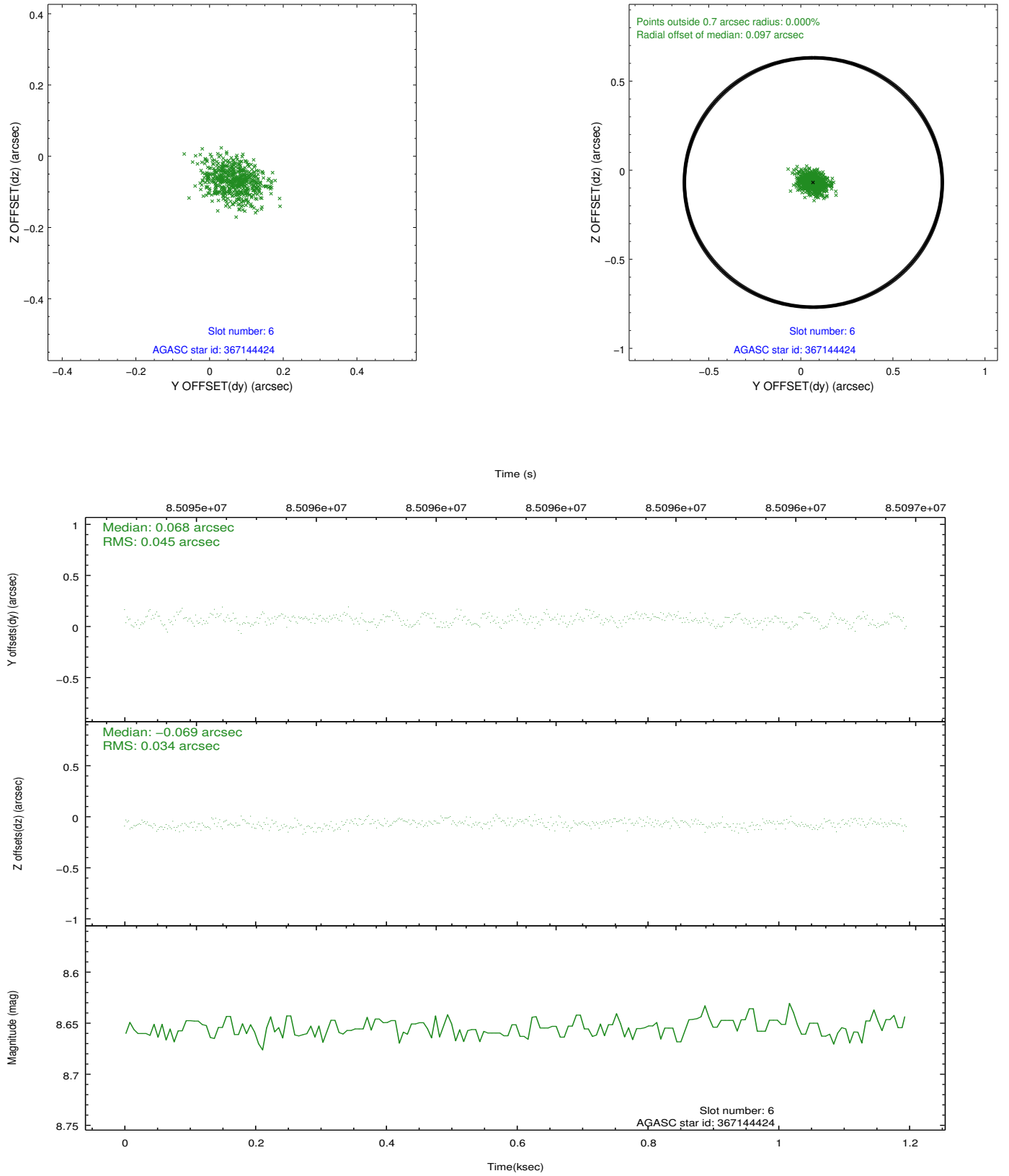
## 2.4.2 Slot 4



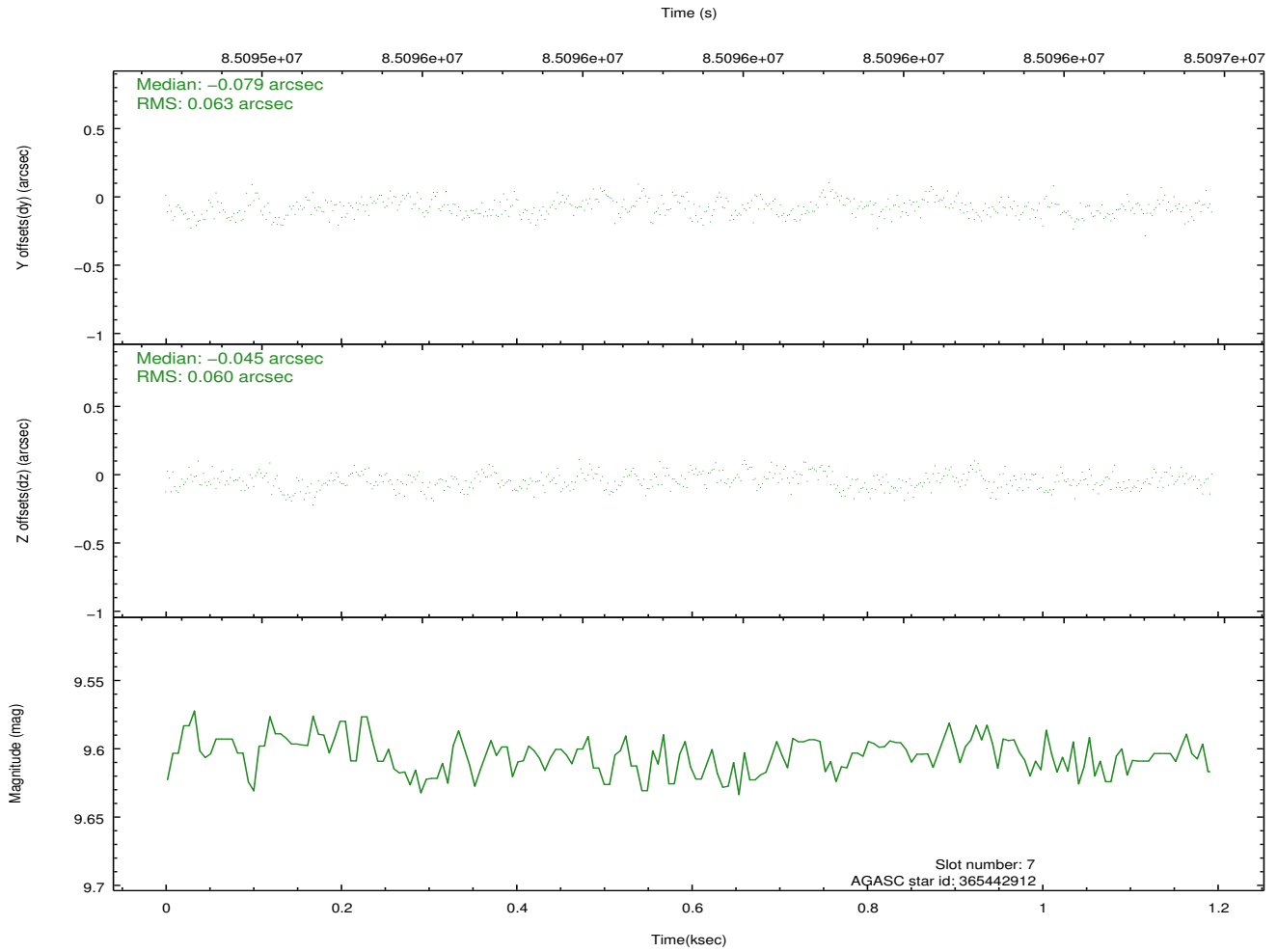
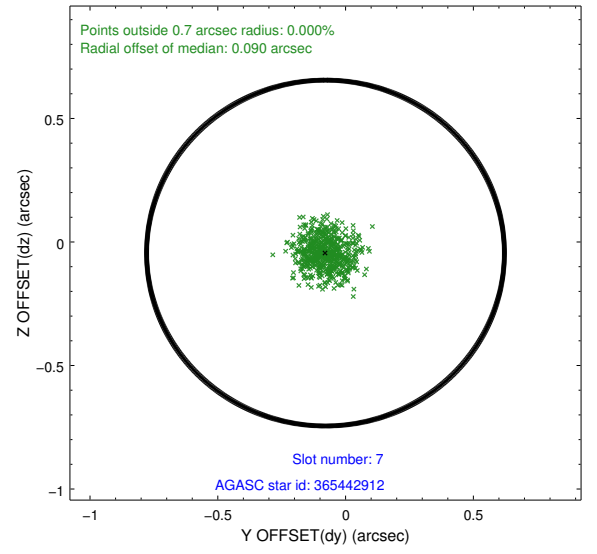
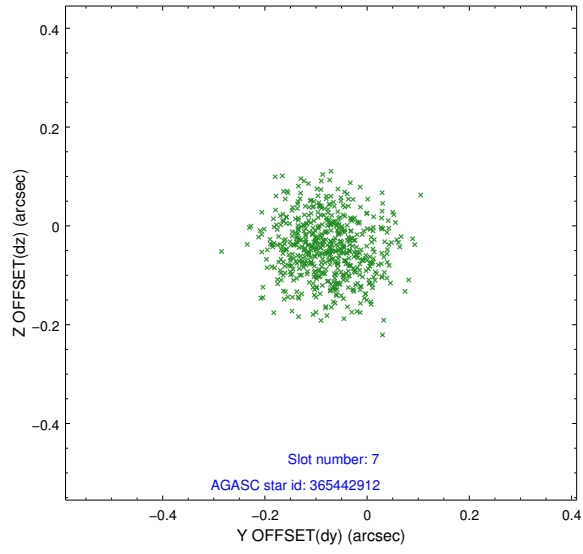
### 2.4.3 Slot 5



## 2.4.4 Slot 6

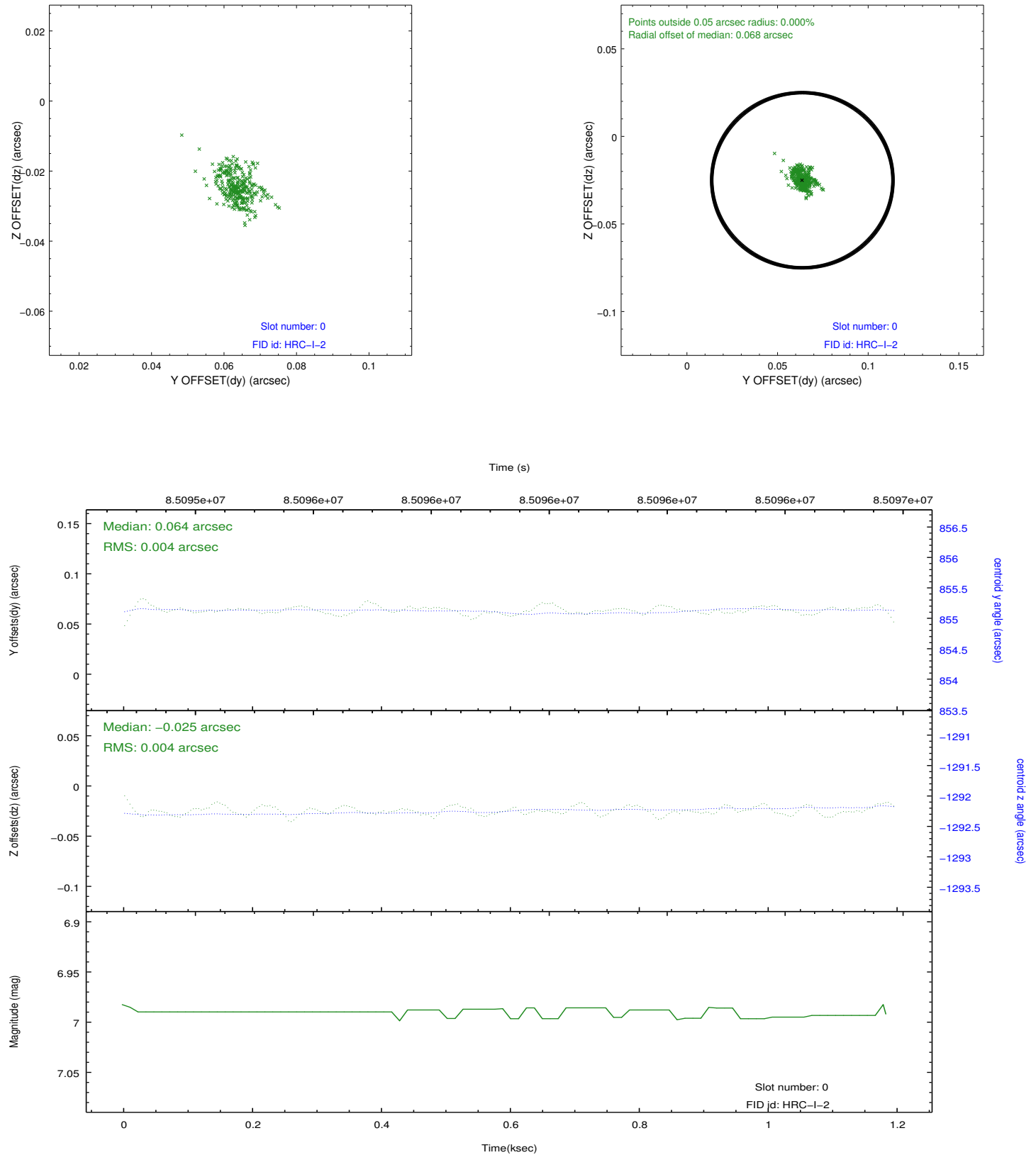


## 2.4.5 Slot 7

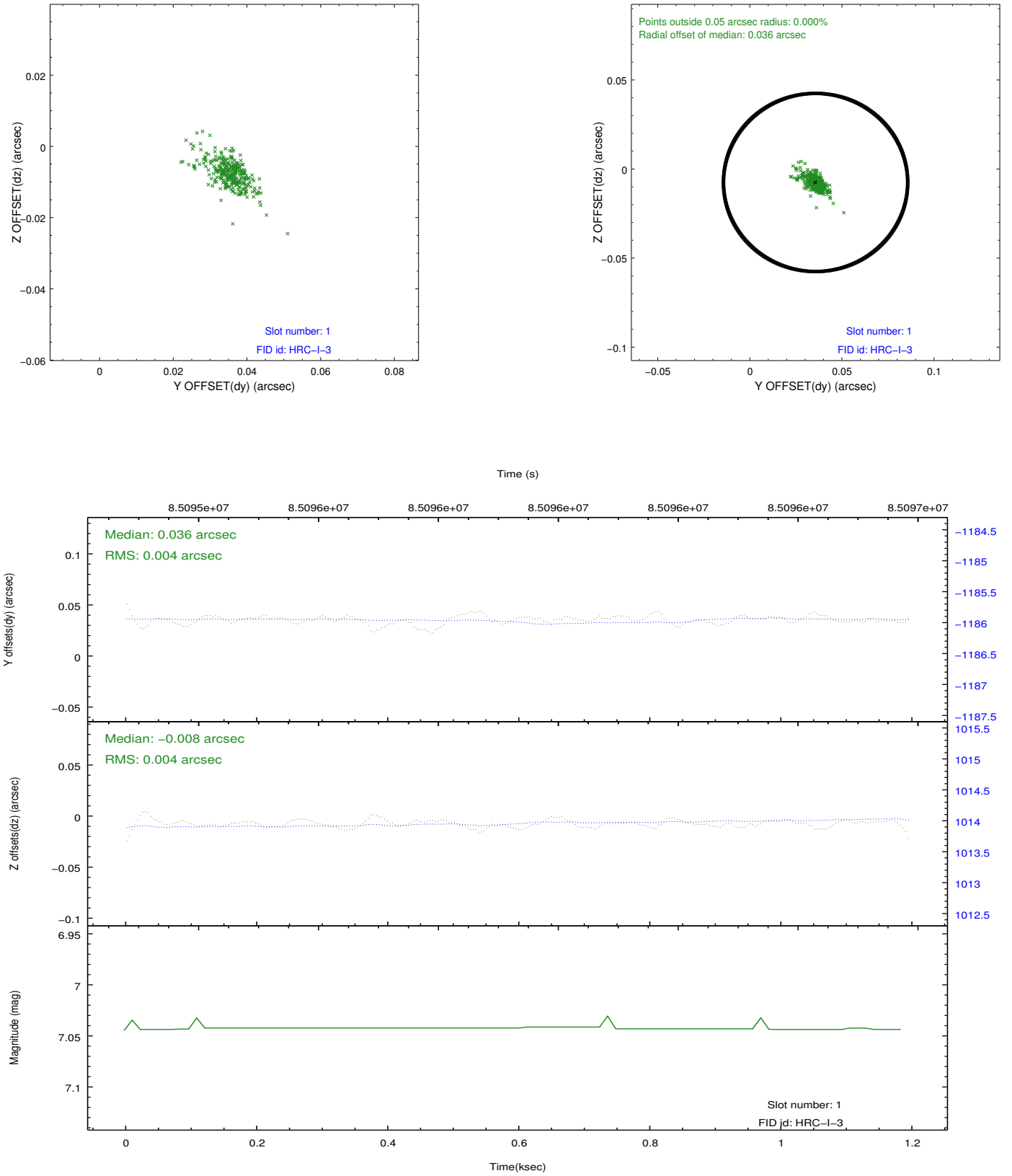


## 2.5 FID Slots

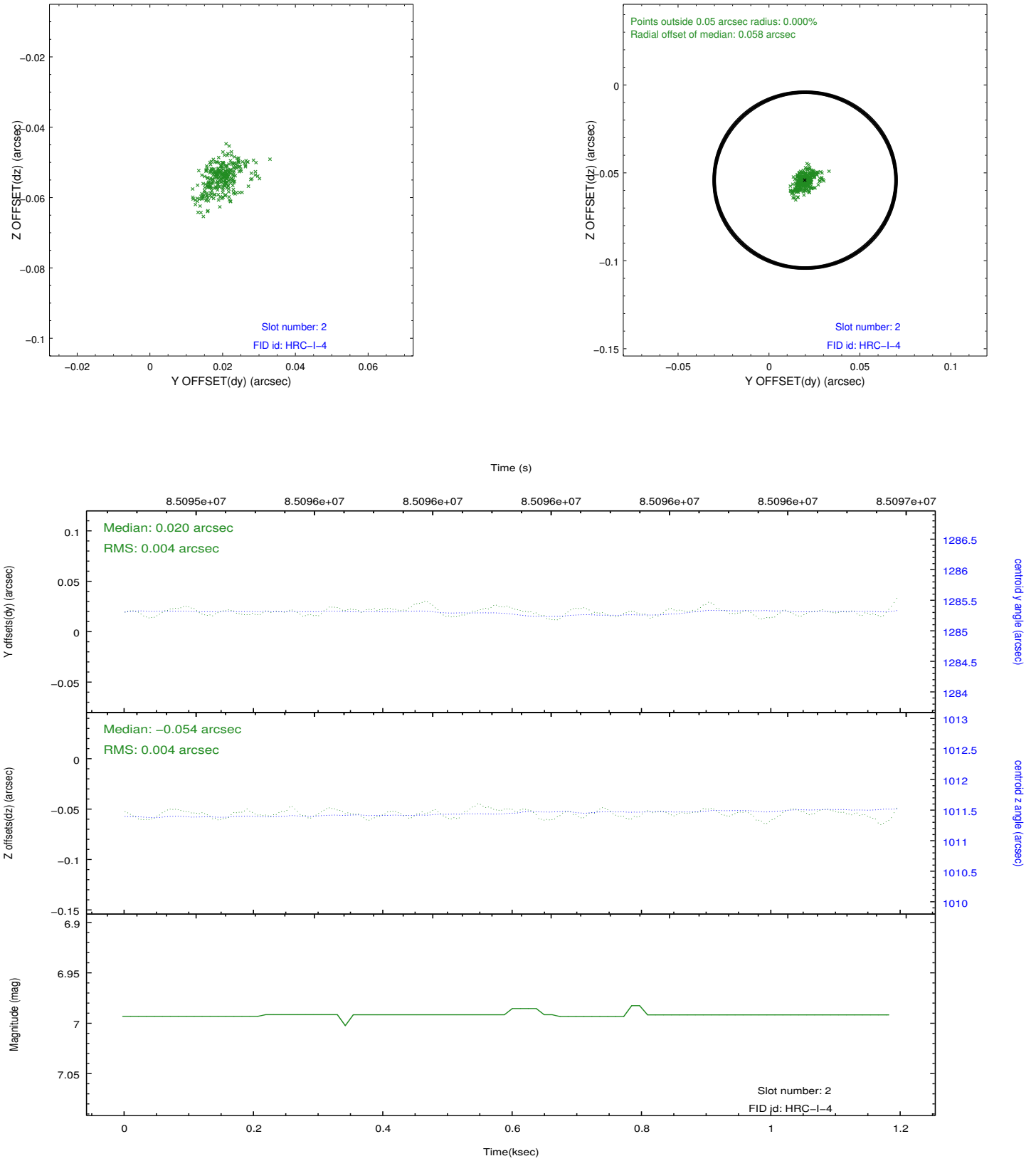
### 2.5.1 Slot 0



## 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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

### A.2 Comments