

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5997 - L2 Version 4  
Chandra X-Ray Center

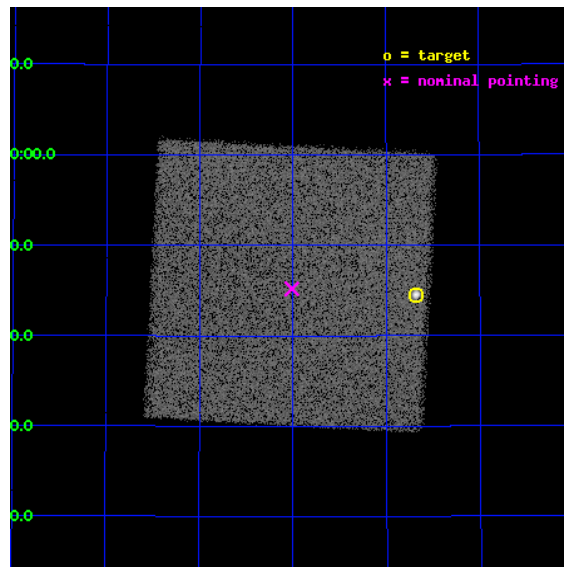
L2 Processing Date : Dec 29 2012

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# 1 Front

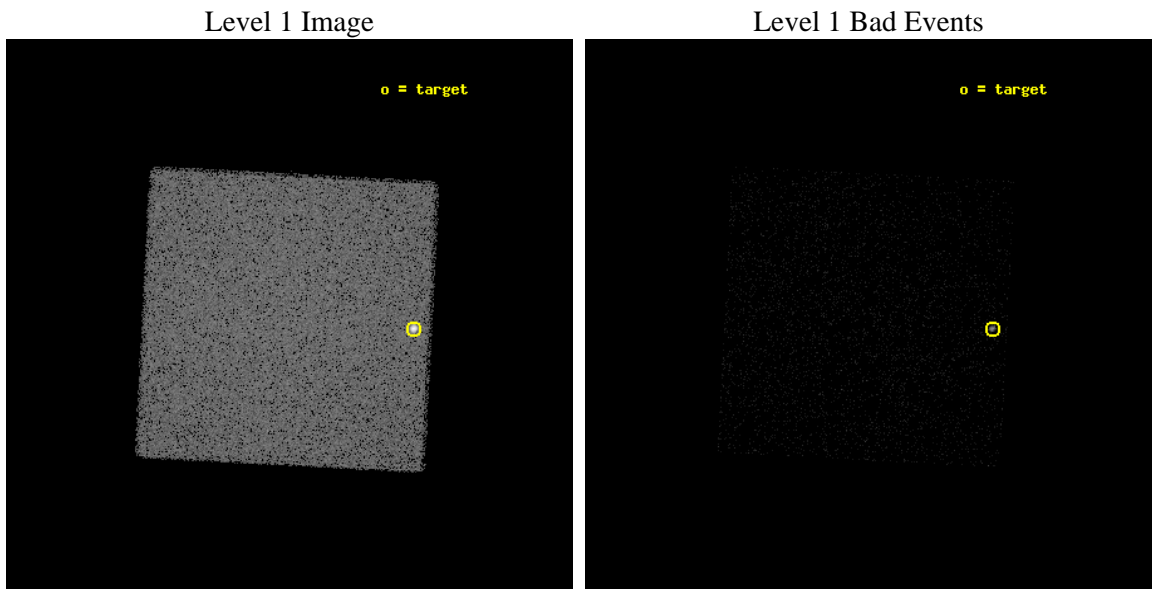
seq_num	290489	Sequence number
obs_id	5997	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.50296215709	Nominal RA [deg]
dec_nom	45.753650173809	Nominal Dec [deg]
roll_nom	228.03066277646	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1169.525053829	[s]
livetime	1157.5206311198	Ontime multiplied by DTCOR
l2events	91751	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	988.751000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	1169.525053829	[s]
caldbver	4.5.5	&#160	l1events	170142	Number of level 1 events
date	2012-12-30T03:25:14	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

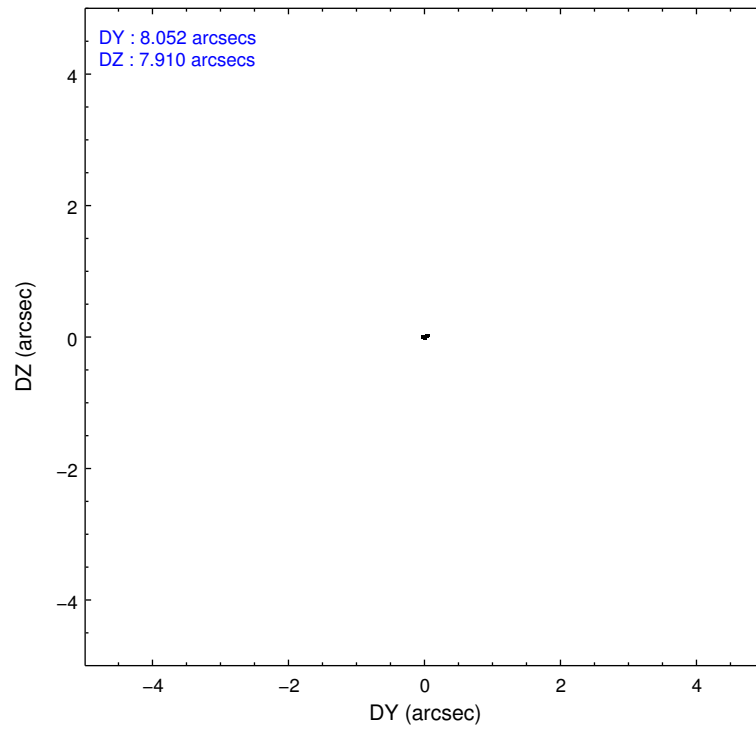
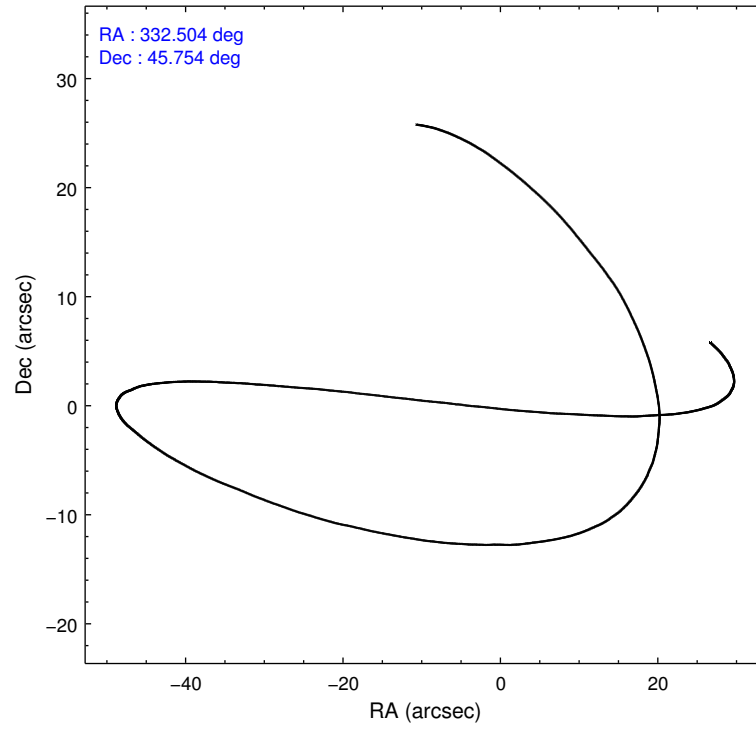
	<b>segment 0</b>
level 1 events	170142
rejected events	46071
rejected %	27%

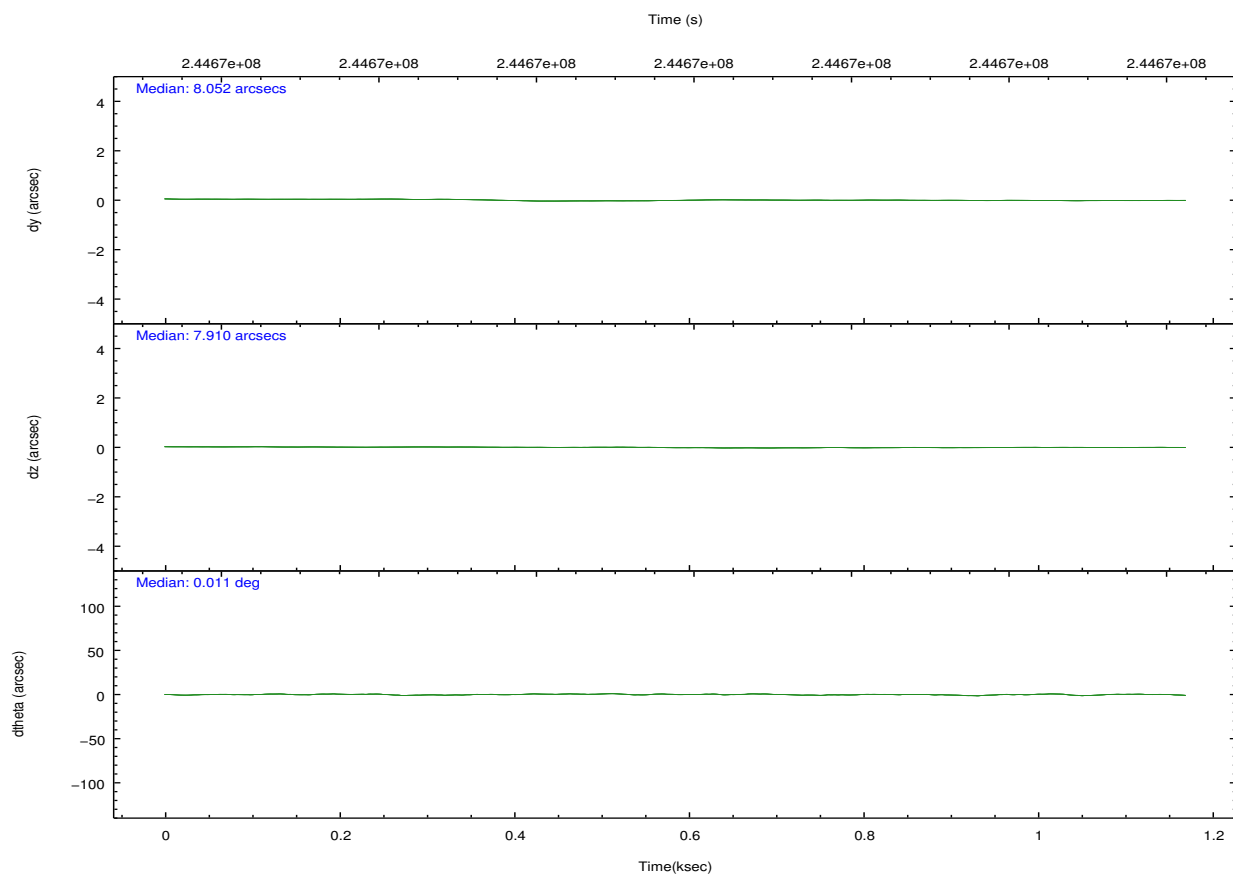
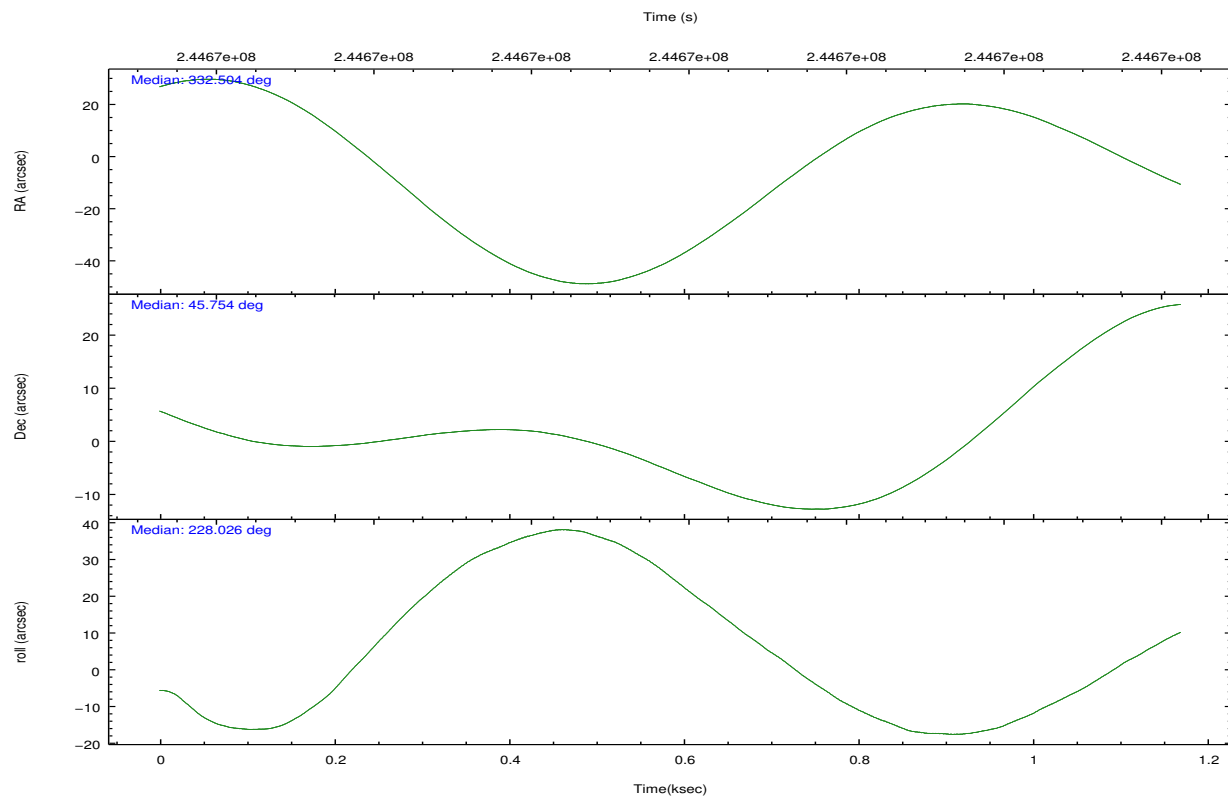
## 2.2 Compared Parameters

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	332.509012	332.5029621570862
[deg] Pointing Dec	45.780496	45.75365017380878
[deg] Pointing Roll	228.121797	228.0306627764591
[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)	244669971.184000	244669595.50624
Observation start date	2005-10-02T19:51:47	2005-10-02T19:46:35
[s] Observation end time (MET)	244670960.184000	244671155.04381
Observation end date	2005-10-02T20:08:16	2005-10-02T20:12:35

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

## 2.3 Aspect





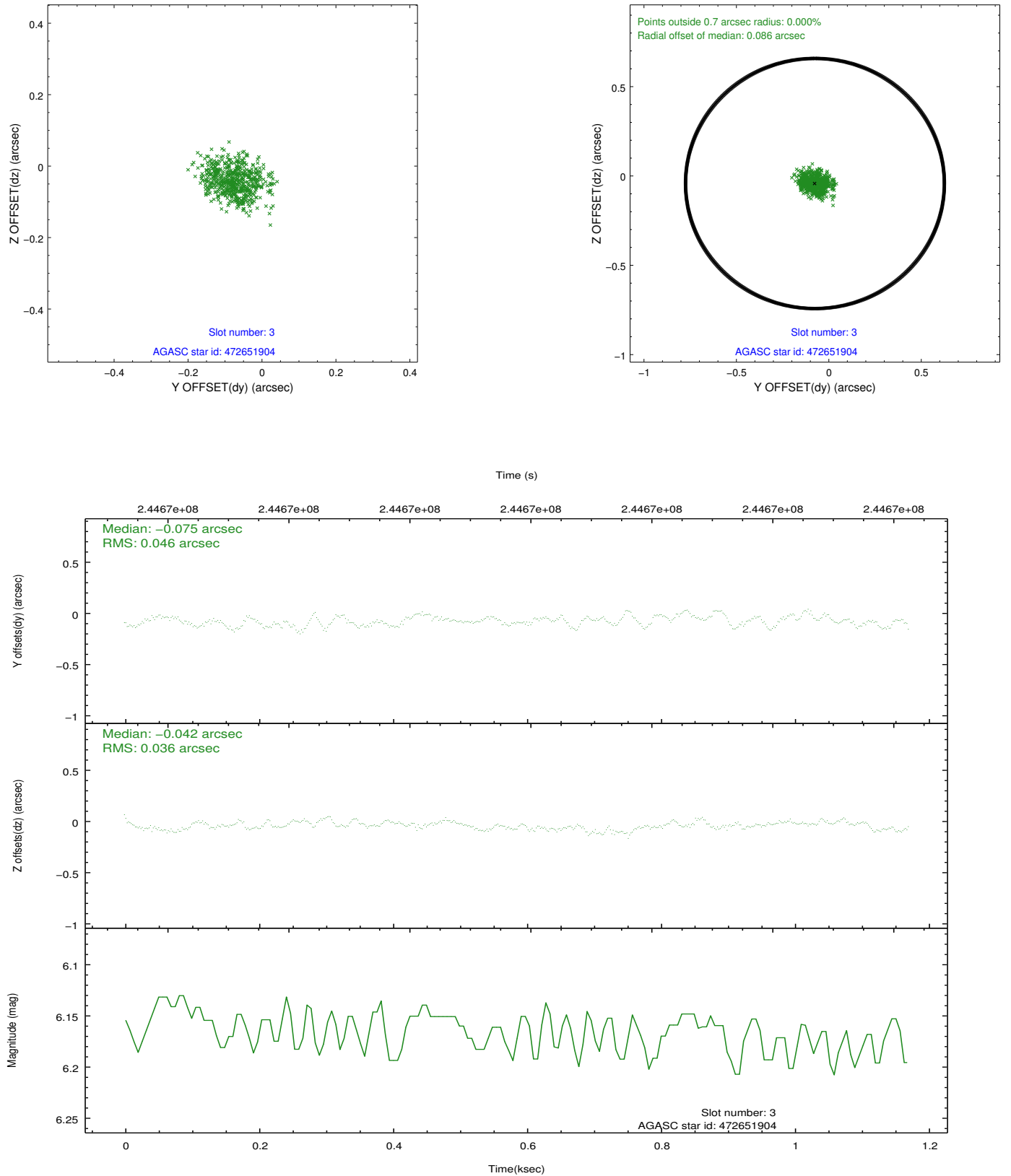
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	286	0.050	0.022	0.006	0.009	0.000000	0.000000	-763.69	-1295.72
1	FID	HRC-I-3	7.08	286	-0.062	-0.062	0.007	0.011	0.000000	0.000000	-1194.84	1004.25
2	FID	HRC-I-4	7.02	286	0.127	-0.051	0.006	0.010	0.000000	0.000000	1275.12	1009.78
3	GUIDE	472651904	6.16	572	-0.075	-0.042	0.064	0.101	332.170077	45.742257	671.23	-546.00
4	GUIDE	472655152	9.44	572	0.107	0.011	0.145	0.244	332.504239	45.862991	-210.13	-210.31
5	GUIDE	472663080	9.42	572	0.033	0.016	0.097	0.162	332.652741	46.473840	-2095.18	-1403.88
6	GUIDE	472665256	9.02	572	0.001	-0.001	0.077	0.120	332.808125	46.195041	-1611.73	-446.98
7	GUIDE	472662552	9.79	571	-0.072	0.041	0.144	0.248	333.514552	45.981196	-2230.27	1376.91

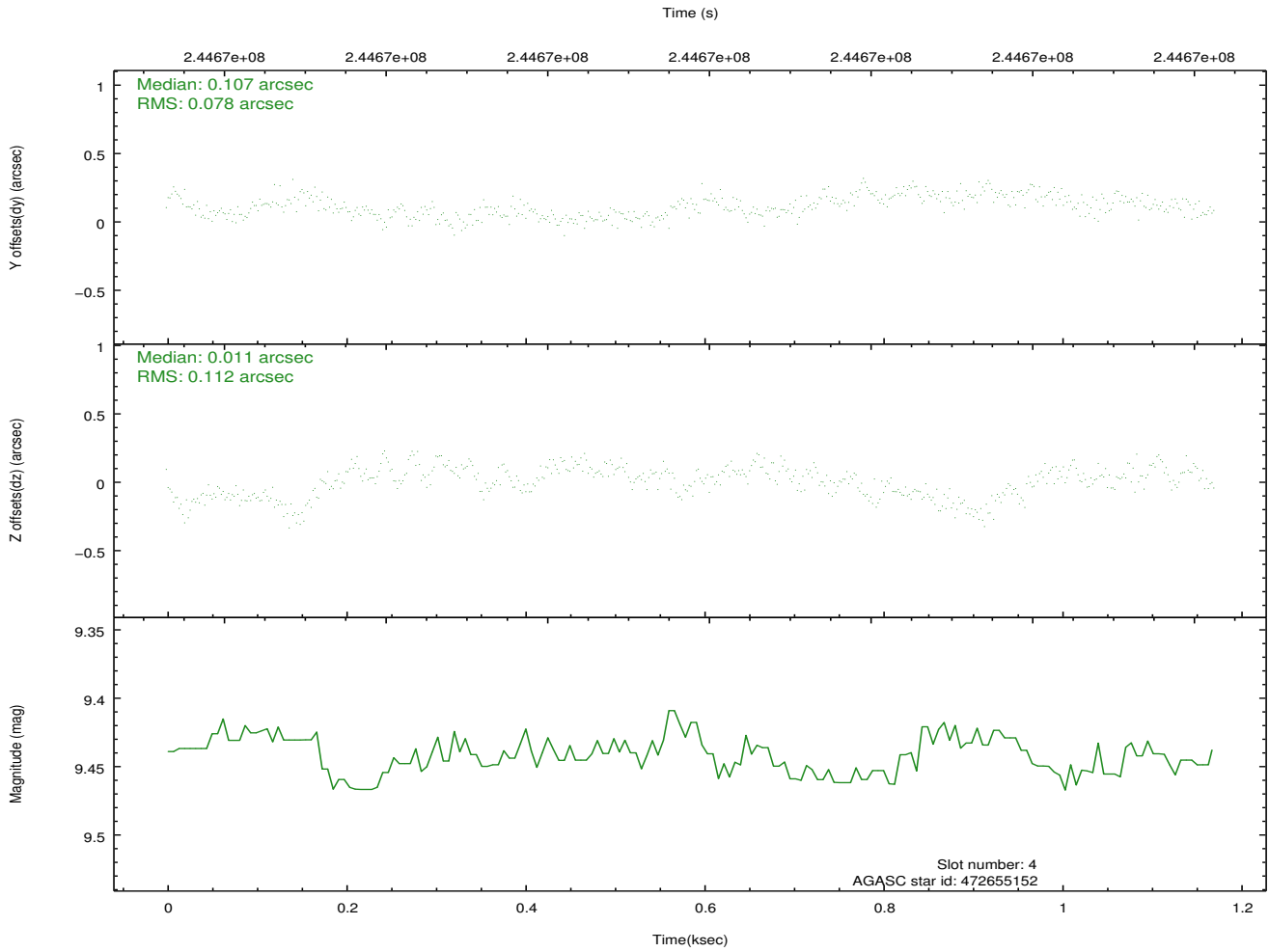
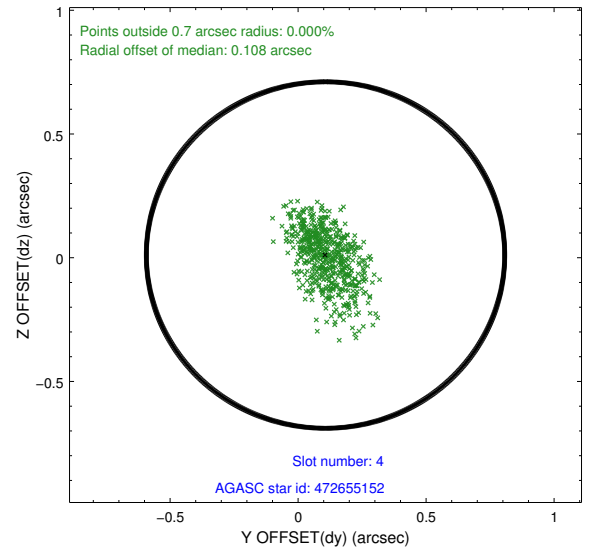
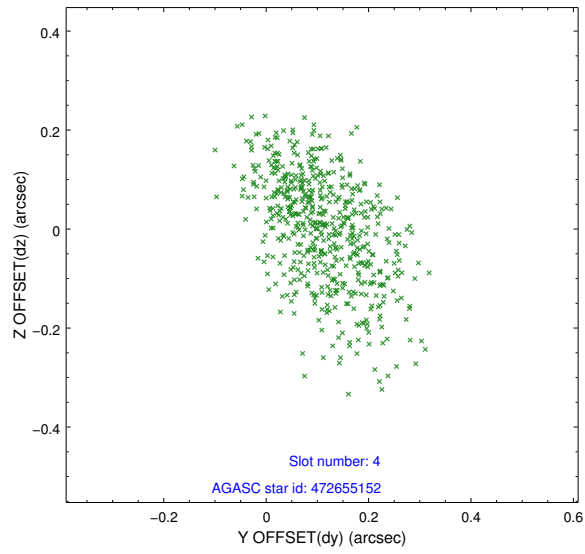


## 2.4 Star Slots

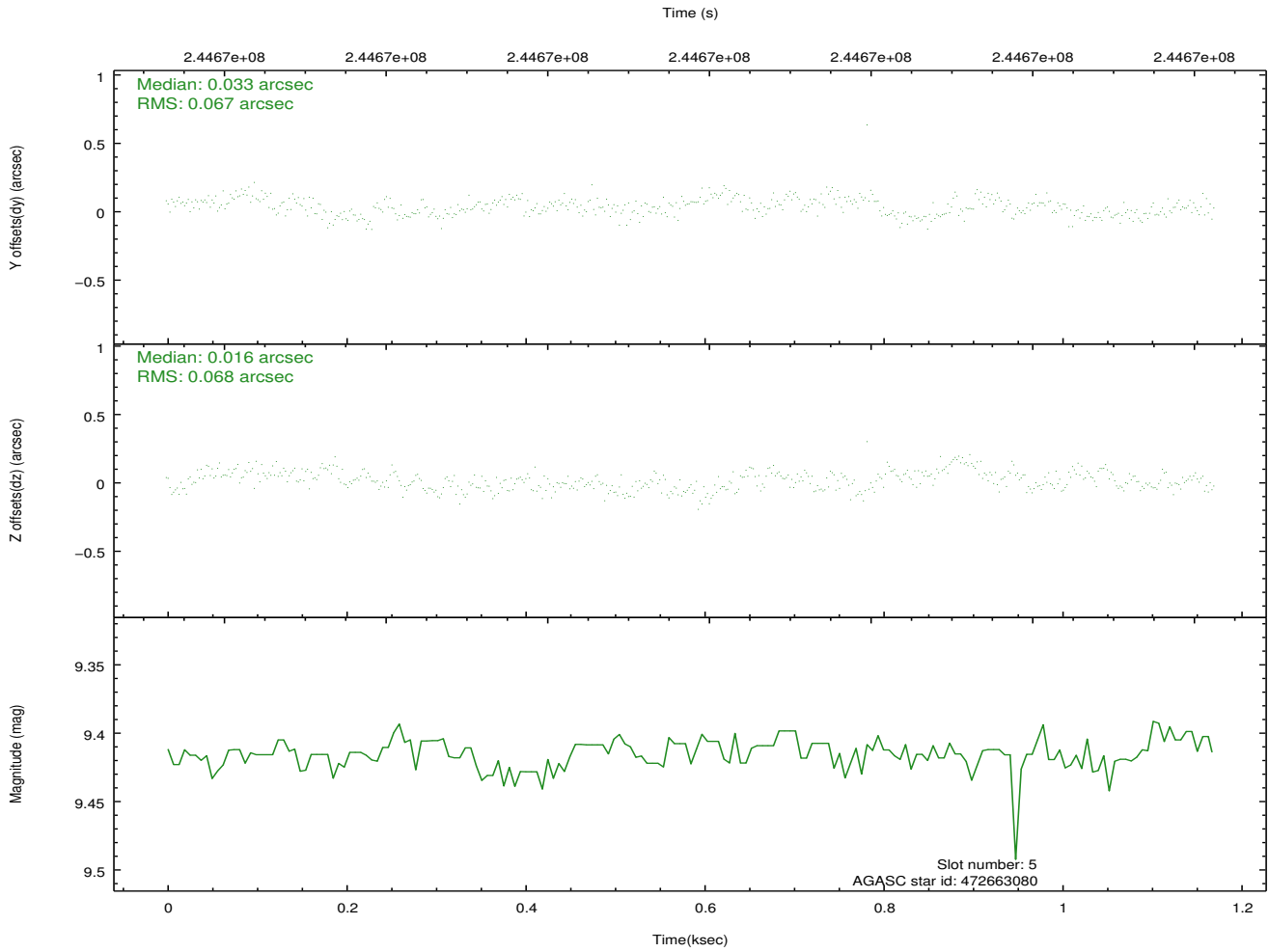
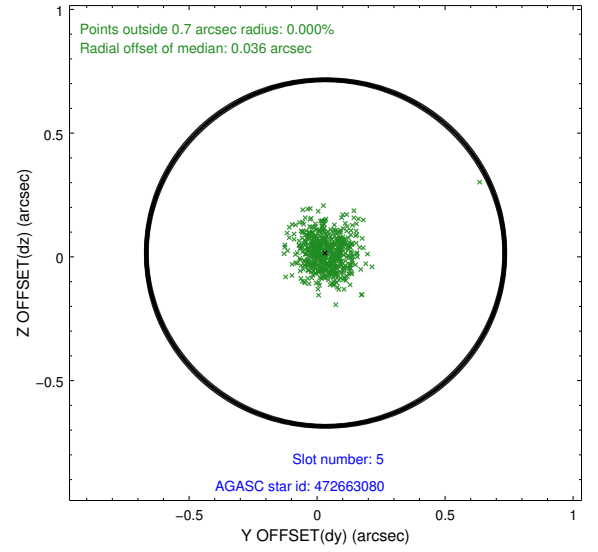
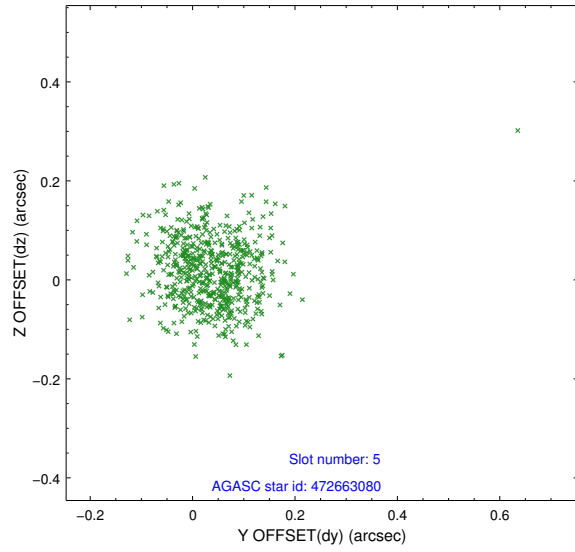
### 2.4.1 Slot 3



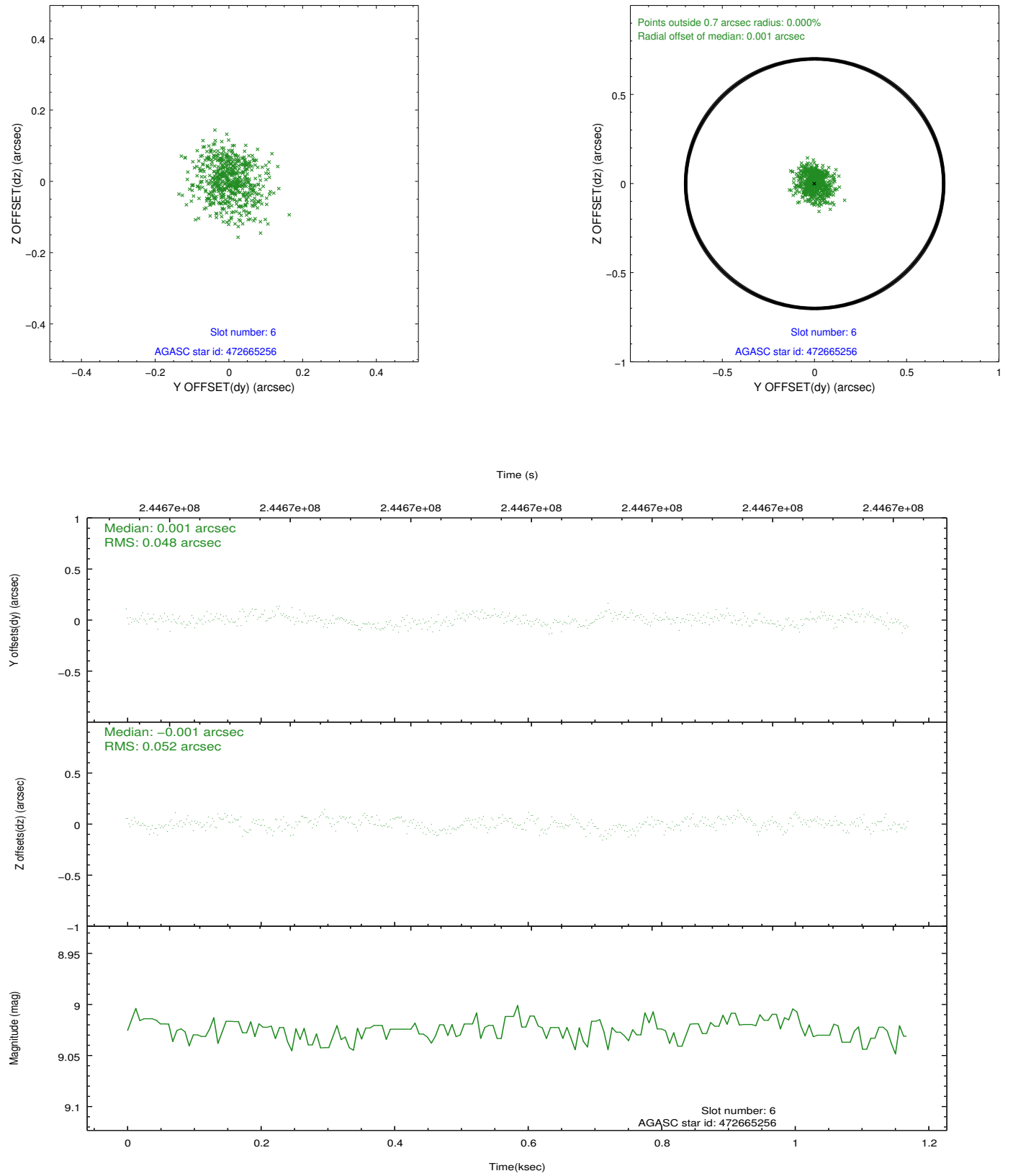
## 2.4.2 Slot 4



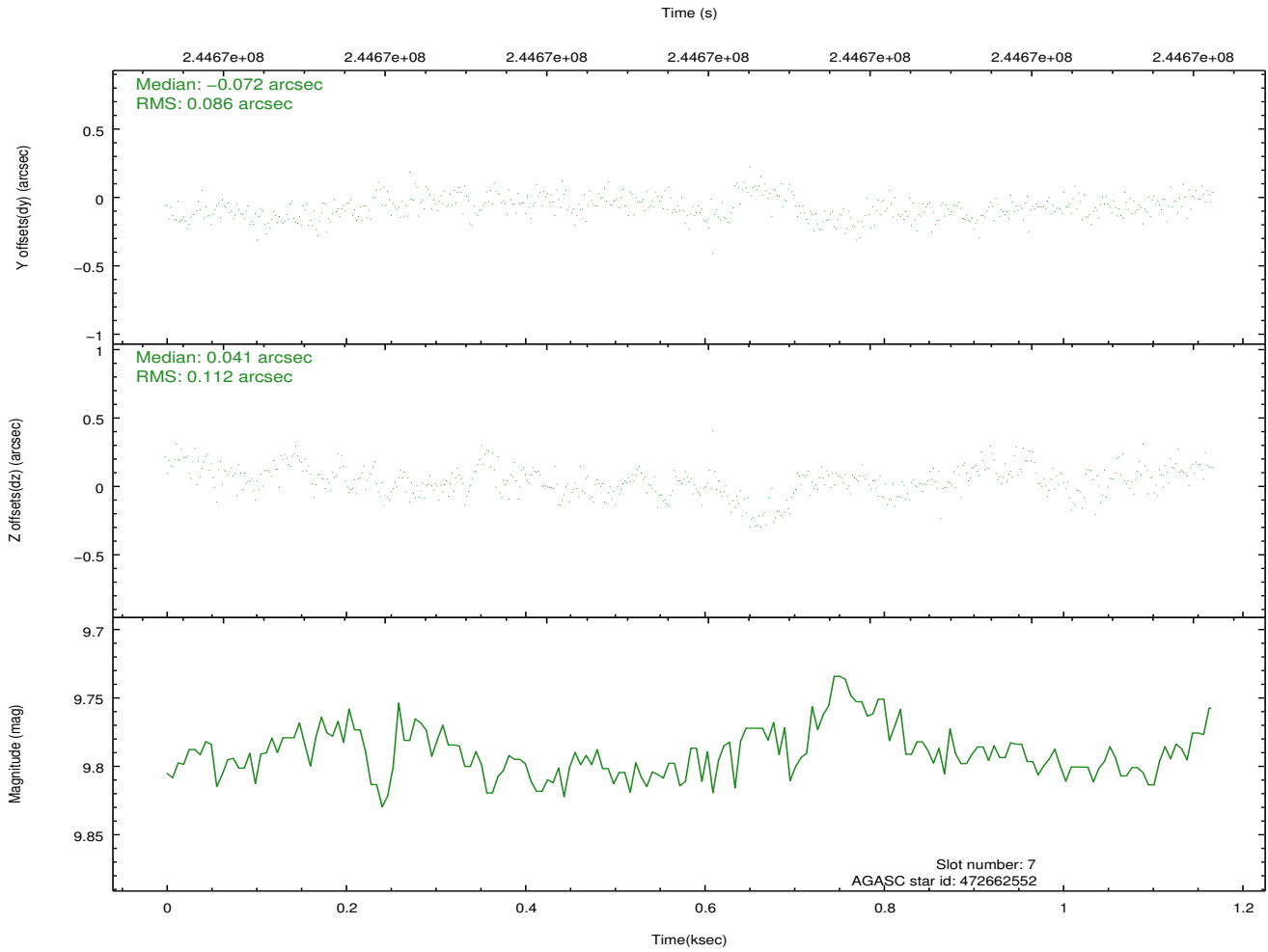
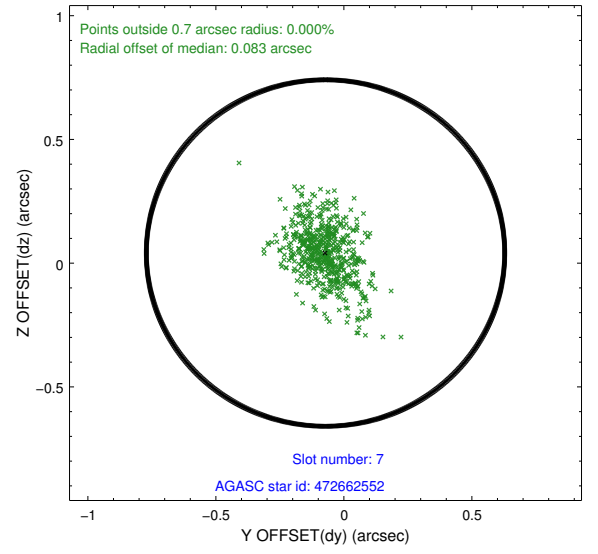
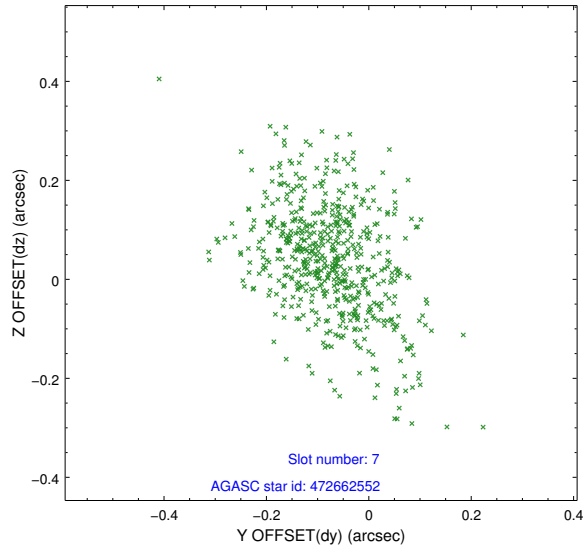
### 2.4.3 Slot 5



## 2.4.4 Slot 6

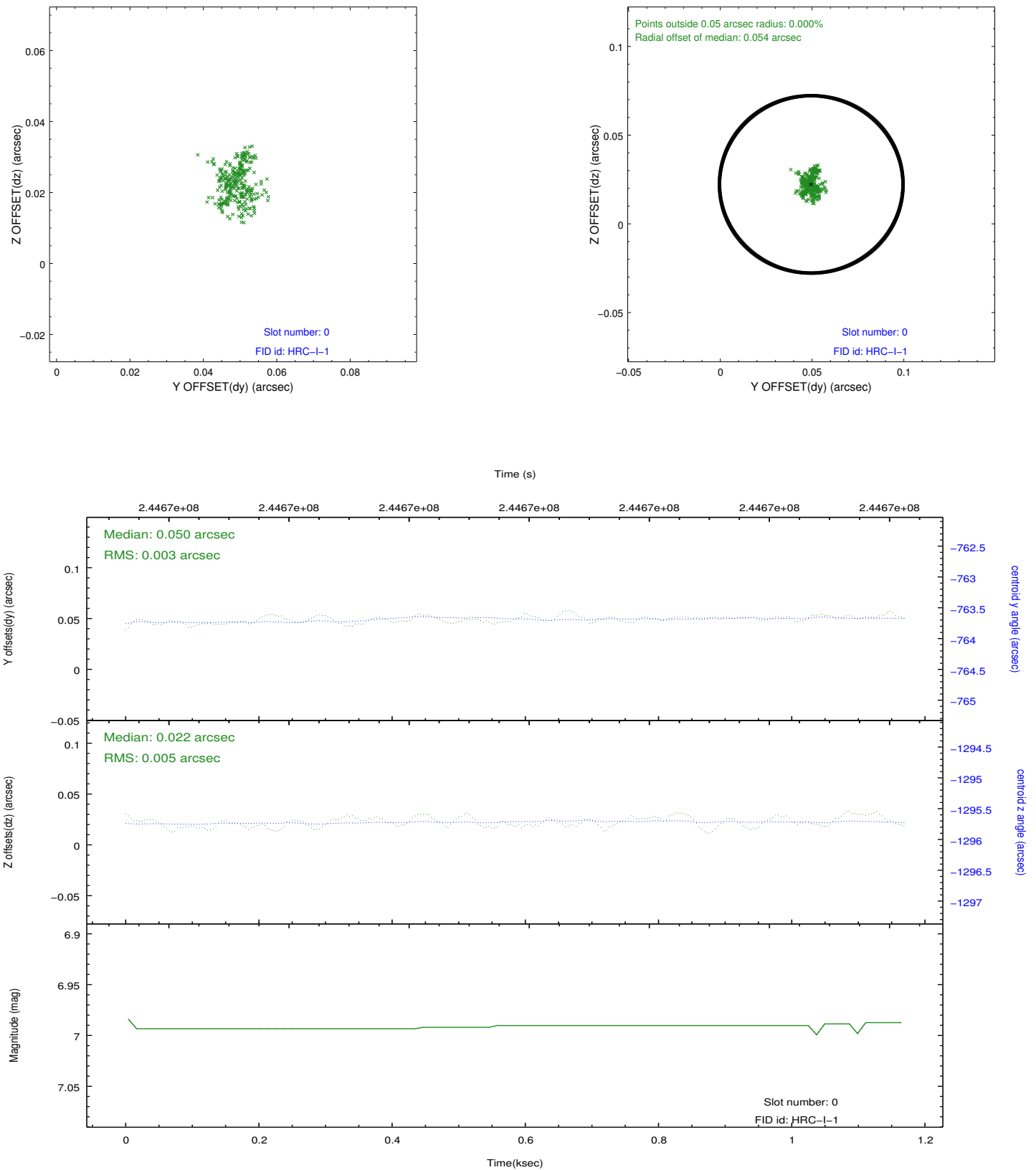


## 2.4.5 Slot 7

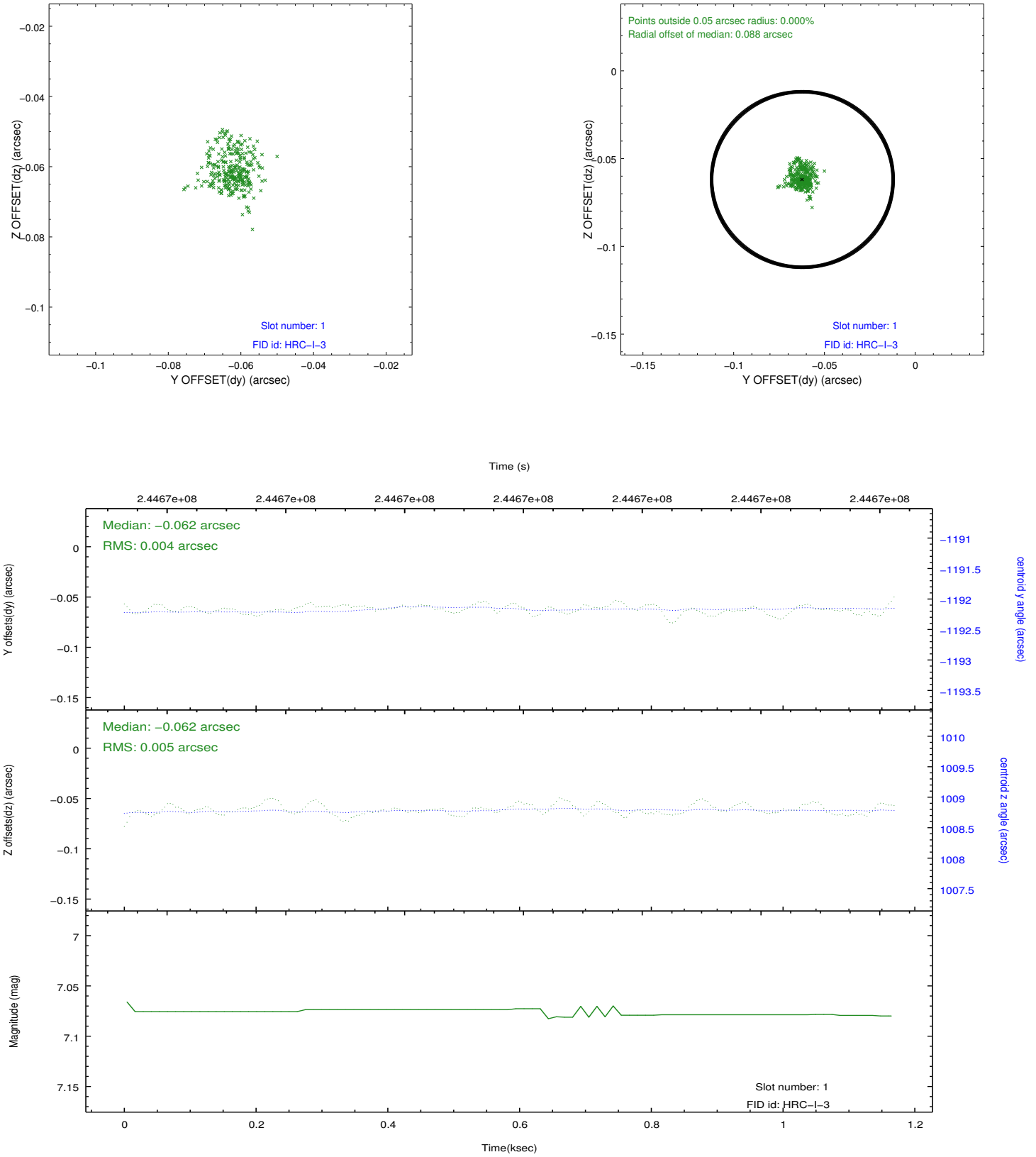


## 2.5 FID Slots

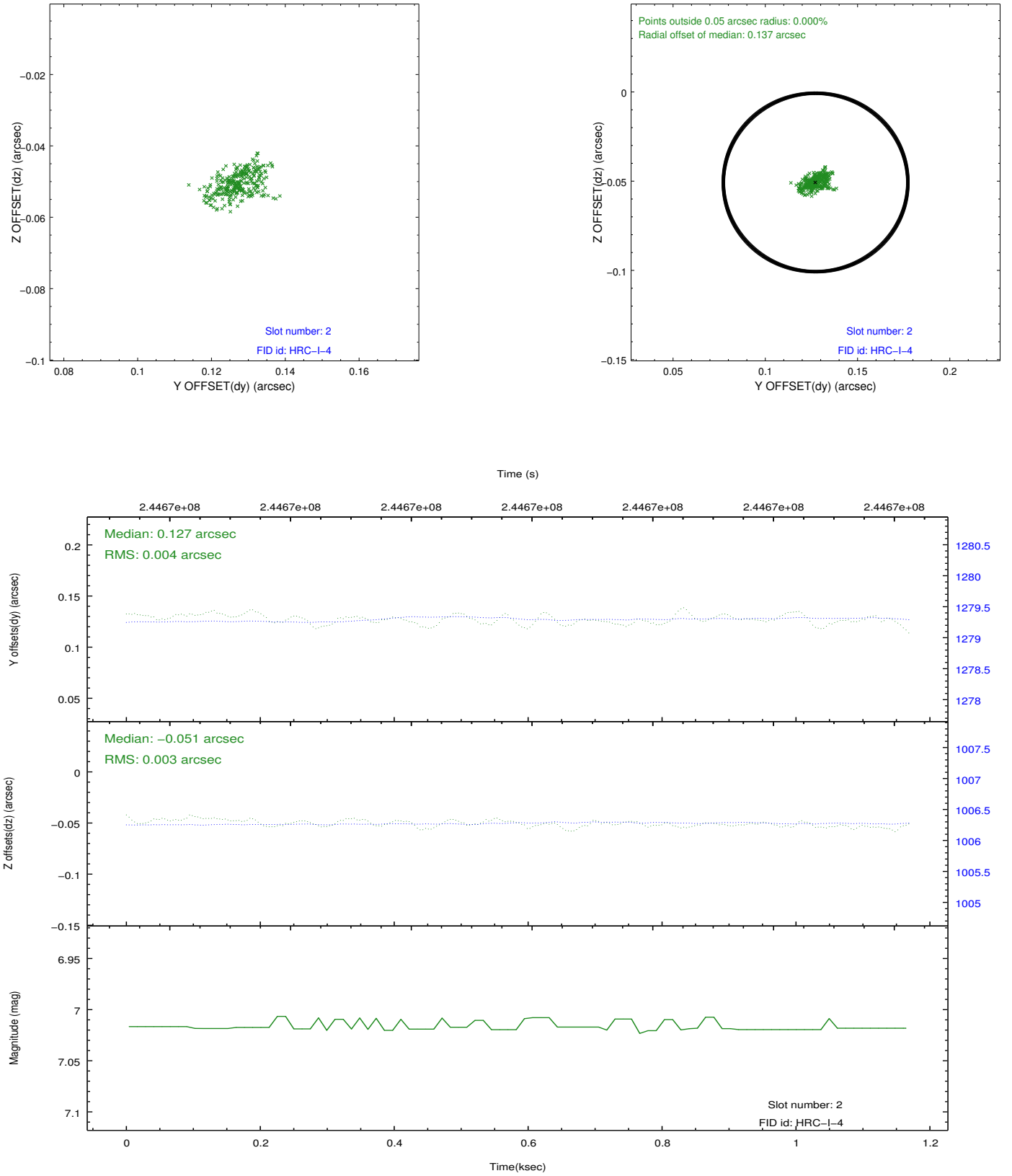
### 2.5.1 Slot 0



## 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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.169525

### A.2 Comments