

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10826 - L2 Version 3  
Chandra X-Ray Center

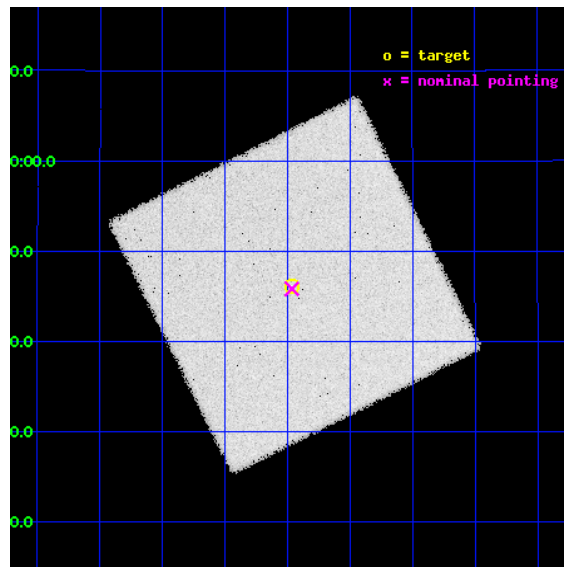
L2 Processing Date : Aug 12 2012

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# 1 Front

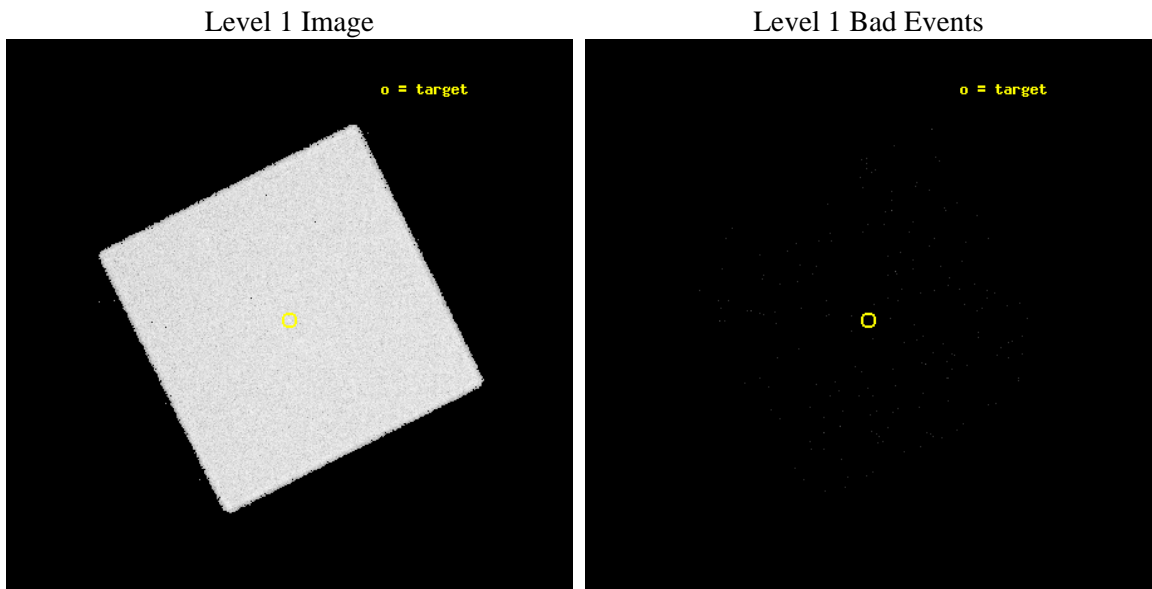
seq_num	200568	Sequence number
obs_id	10826	Observation id
title	The current X-ray status of the planet bearing host star 51 Peg	Pr
observer	Prof. Jurgen Schmitt	Principal investigator
object	51 Peg	Source name
ra_targ	344.36625	Observer's specified target RA [deg]
dec_targ	20.768833	Observer's specified target Dec [deg]
ra_nom	344.36595010768	Nominal RA [deg]
dec_nom	20.764228112384	Nominal Dec [deg]
roll_nom	288.50461259846	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4978.6814960837	[s]
livetime	4924.225243408	Ontime multiplied by DTCOR
l2events	333163	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	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4978.6814960837	[s]
caldbver	4.5.1.1	&#160	l1events	495044	Number of level 1 events
date	2012-08-12T23:32:19	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	495044
rejected events	10394
rejected %	2%

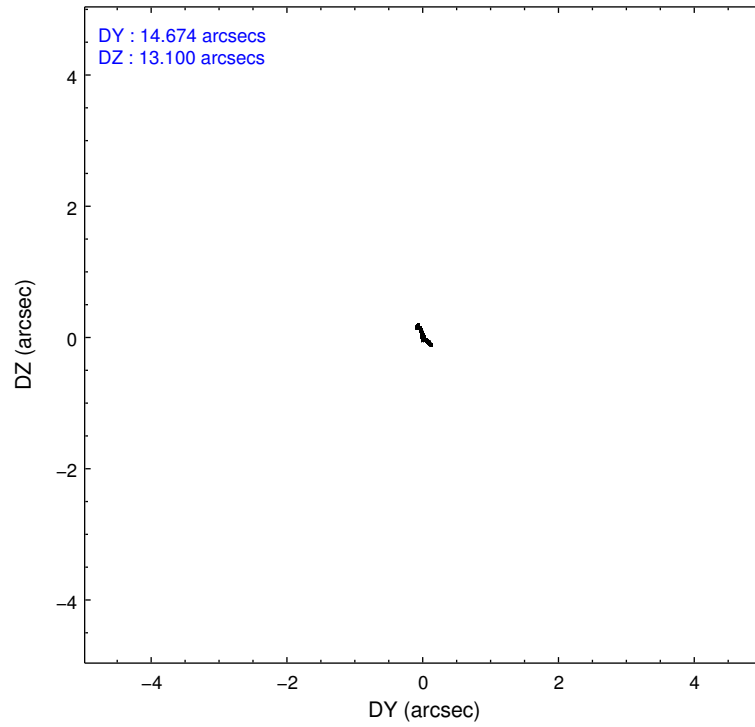
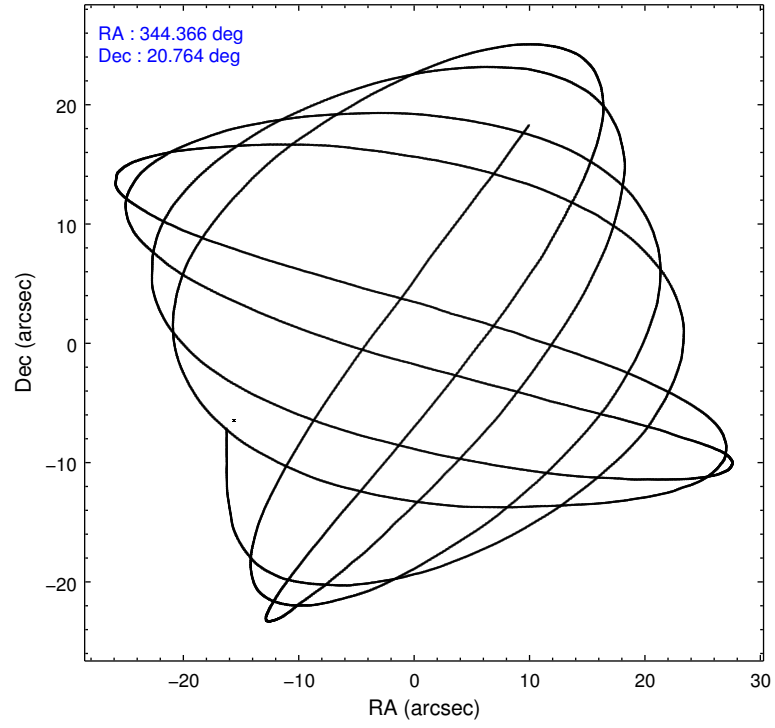


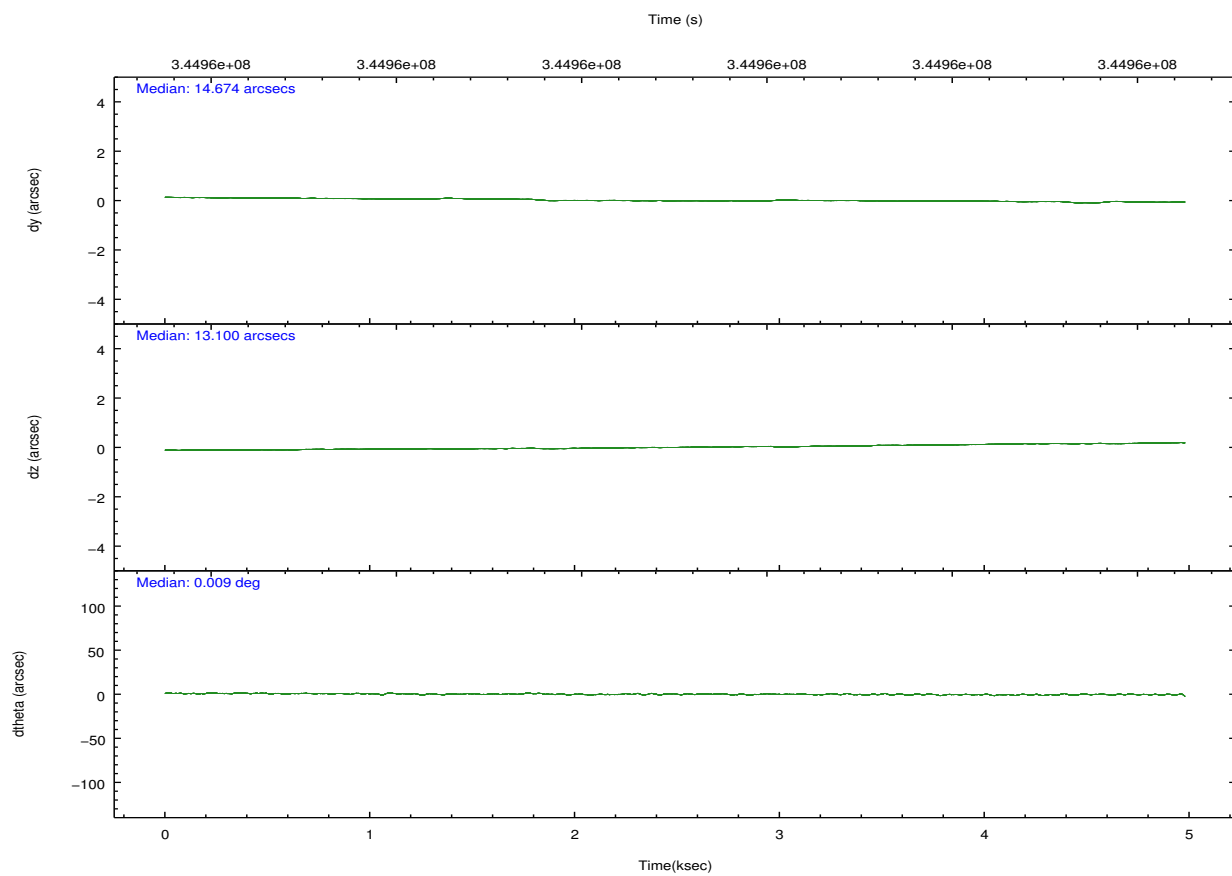
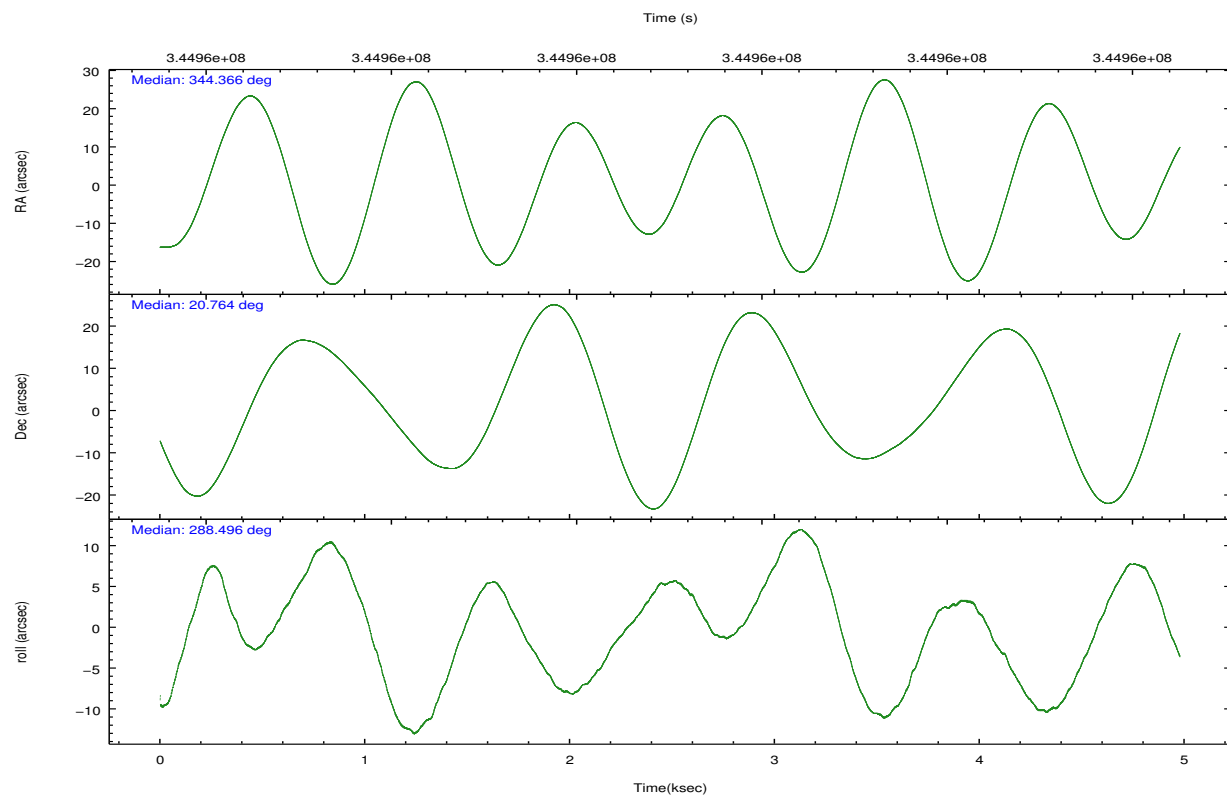
## 2.2 Compared Parameters

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	344.343767	344.3659501076759
[deg] Pointing Dec	20.782158	20.76422811238383
[deg] Pointing Roll	288.607977	288.5046125984585
[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)	344955189.184000	344954759.05137
Observation start date	2008-12-06T12:52:04	2008-12-06T12:45:59
[s] Observation end time (MET)	344959989.184000	344960691.23917
Observation end date	2008-12-06T14:12:04	2008-12-06T14:24:51

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

## 2.3 Aspect



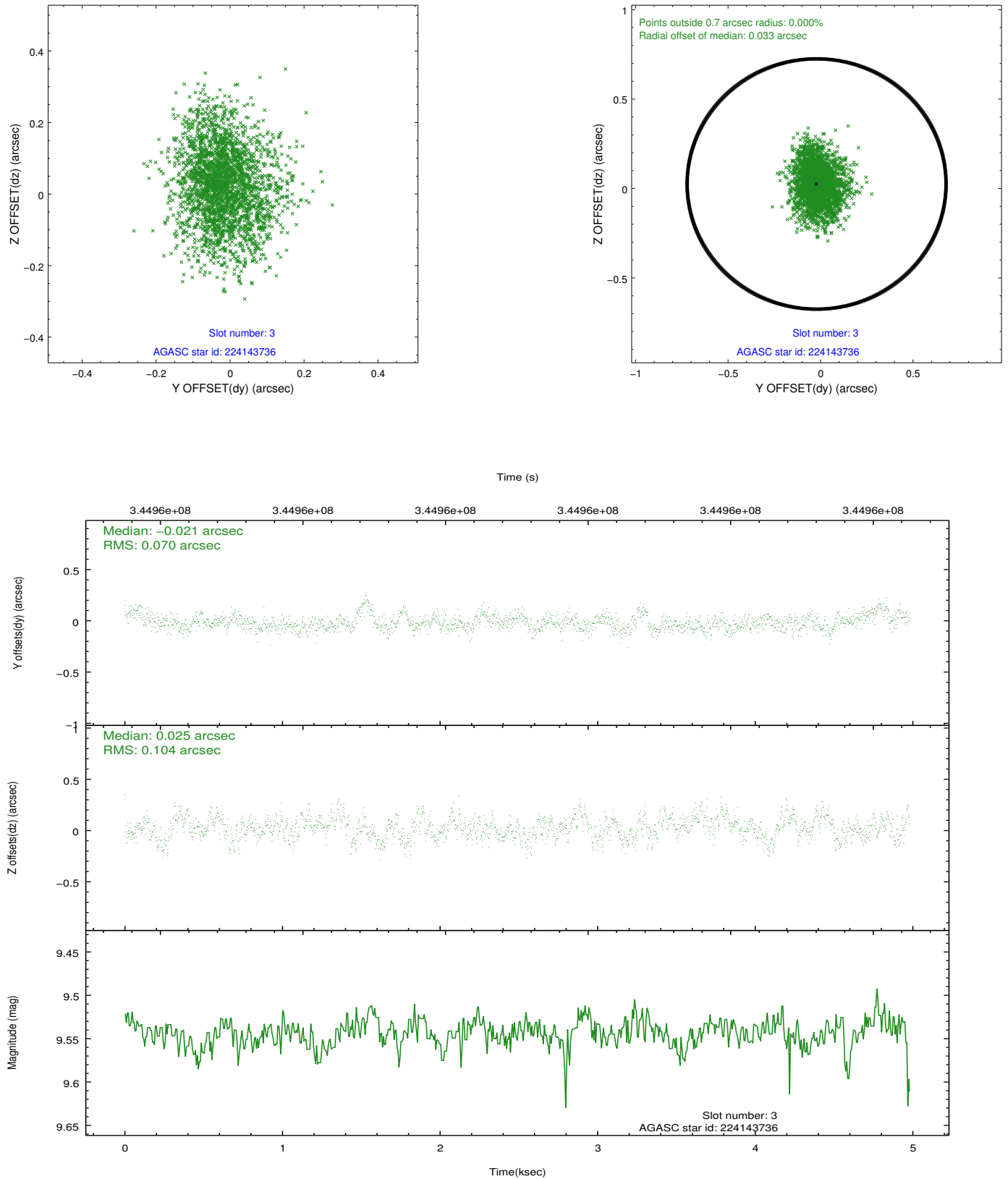


### Slot Statistics

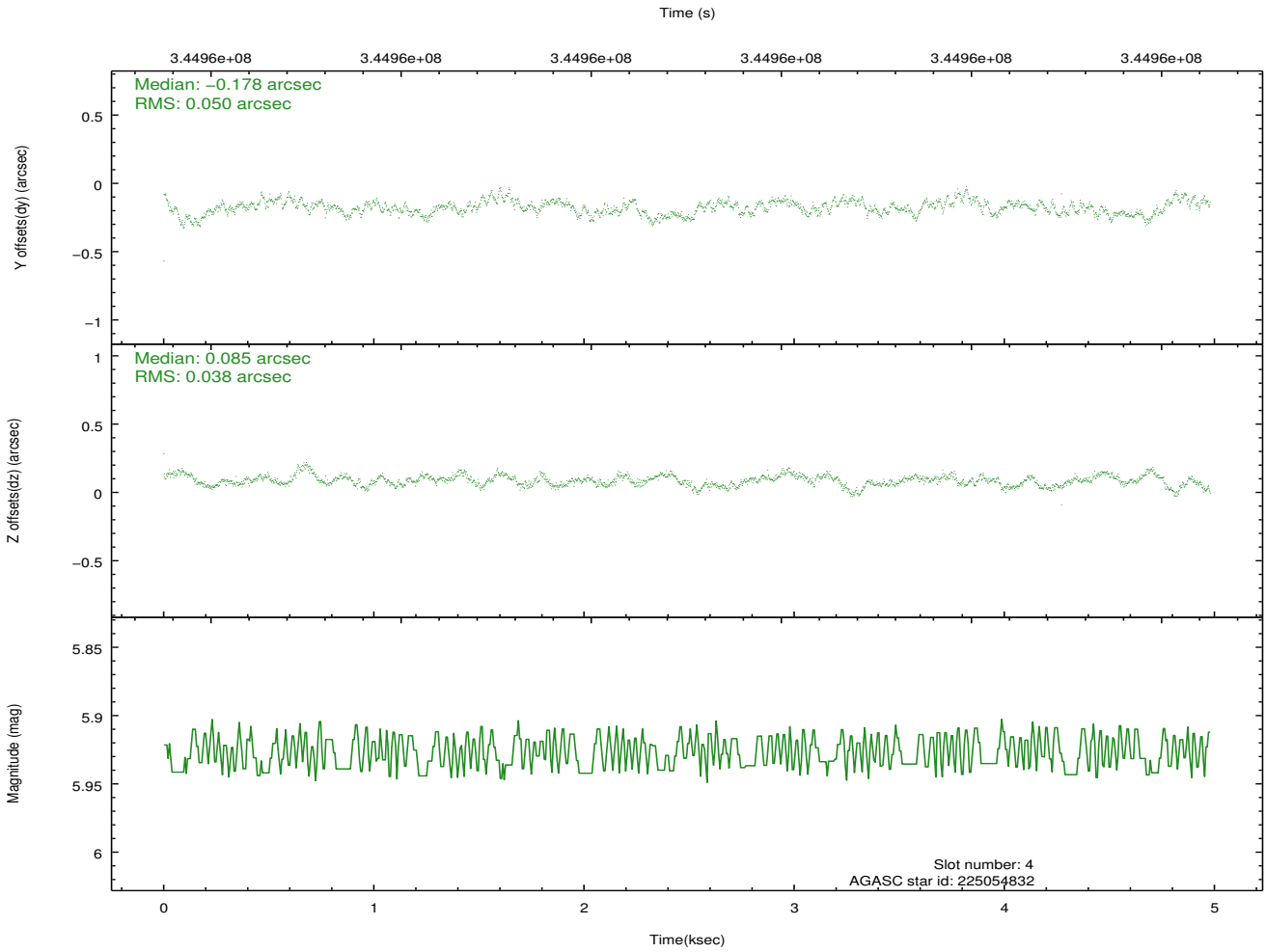
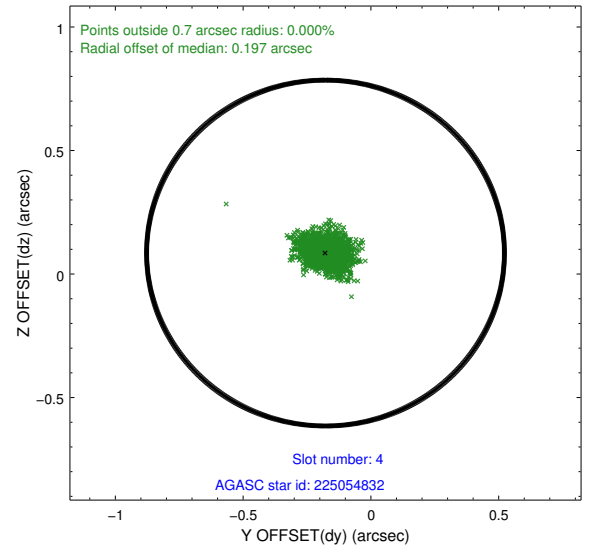
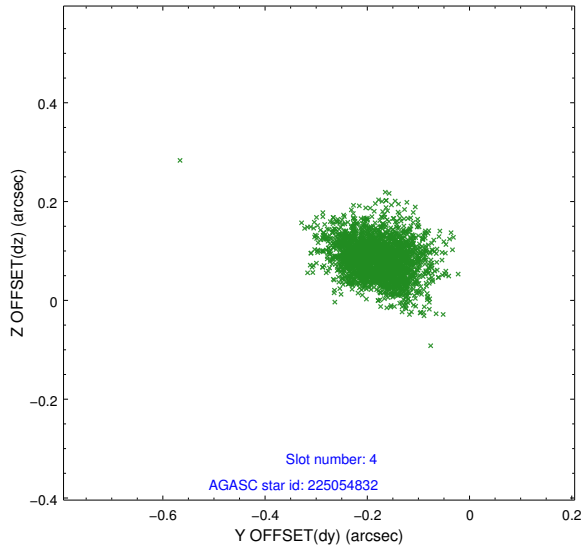
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	1215	-0.073	0.029	0.007	0.011	0.000000	0.000000	-770.56	-1301.11
1	FID	HRC-I-2	7.02	1215	0.254	-0.158	0.006	0.009	0.000000	0.000000	841.76	-1303.94
2	FID	HRC-I-3	7.08	1215	-0.062	0.040	0.006	0.011	0.000000	0.000000	-1198.34	1002.39
3	GUIDE	224143736	9.54	2426	-0.021	0.025	0.133	0.220	343.622089	20.874213	-1094.52	-2192.40
4	GUIDE	225054832	5.93	2430	-0.178	0.085	0.065	0.111	344.526743	21.513174	-2300.36	1420.58
5	GUIDE	225056232	7.99	2428	0.073	-0.034	0.077	0.124	344.533182	20.742589	336.21	560.32
6	GUIDE	225058064	9.41	2425	0.001	0.016	0.100	0.165	344.303120	21.109085	-1159.72	247.15
7	GUIDE	225068016	9.80	2427	0.133	-0.092	0.154	0.267	344.091016	20.516948	631.37	-1110.95

## 2.4 Star Slots

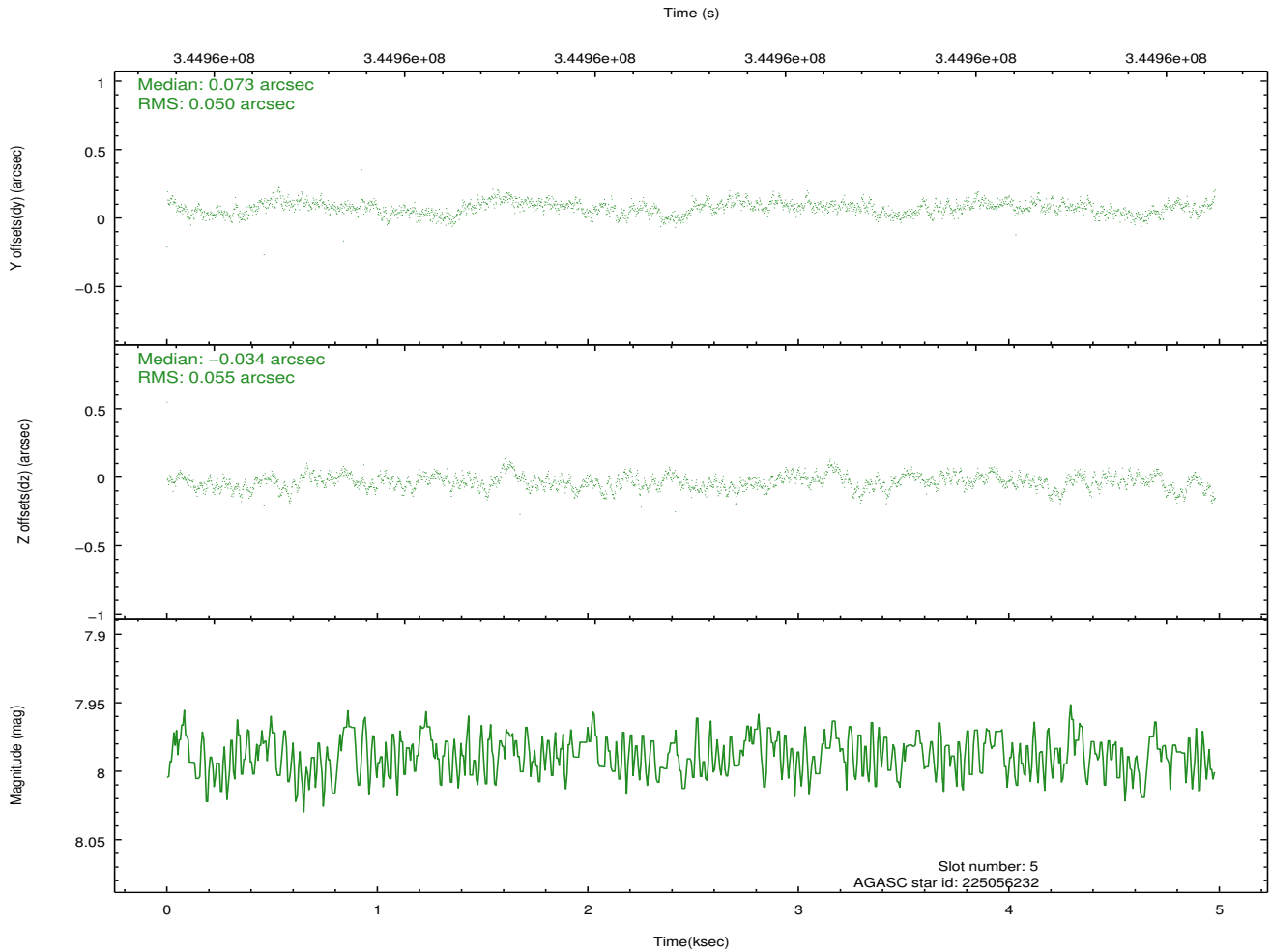
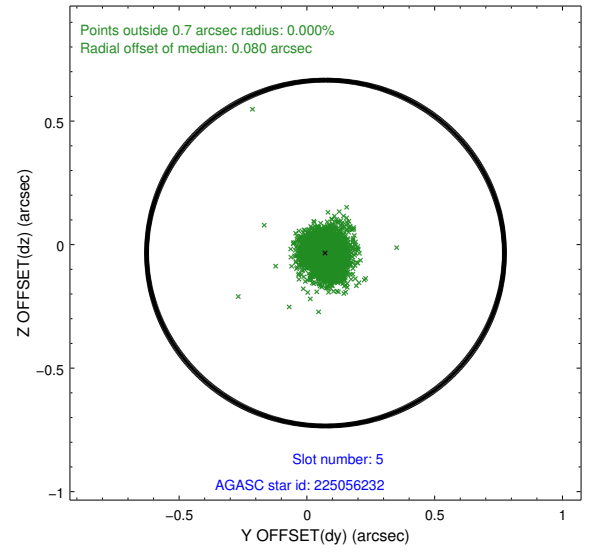
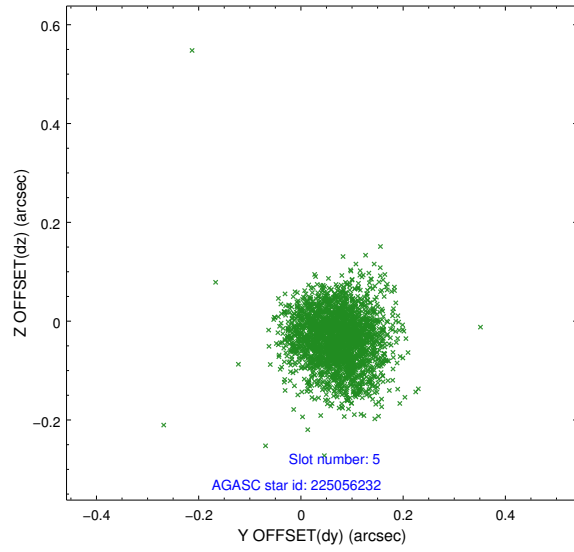
### 2.4.1 Slot 3



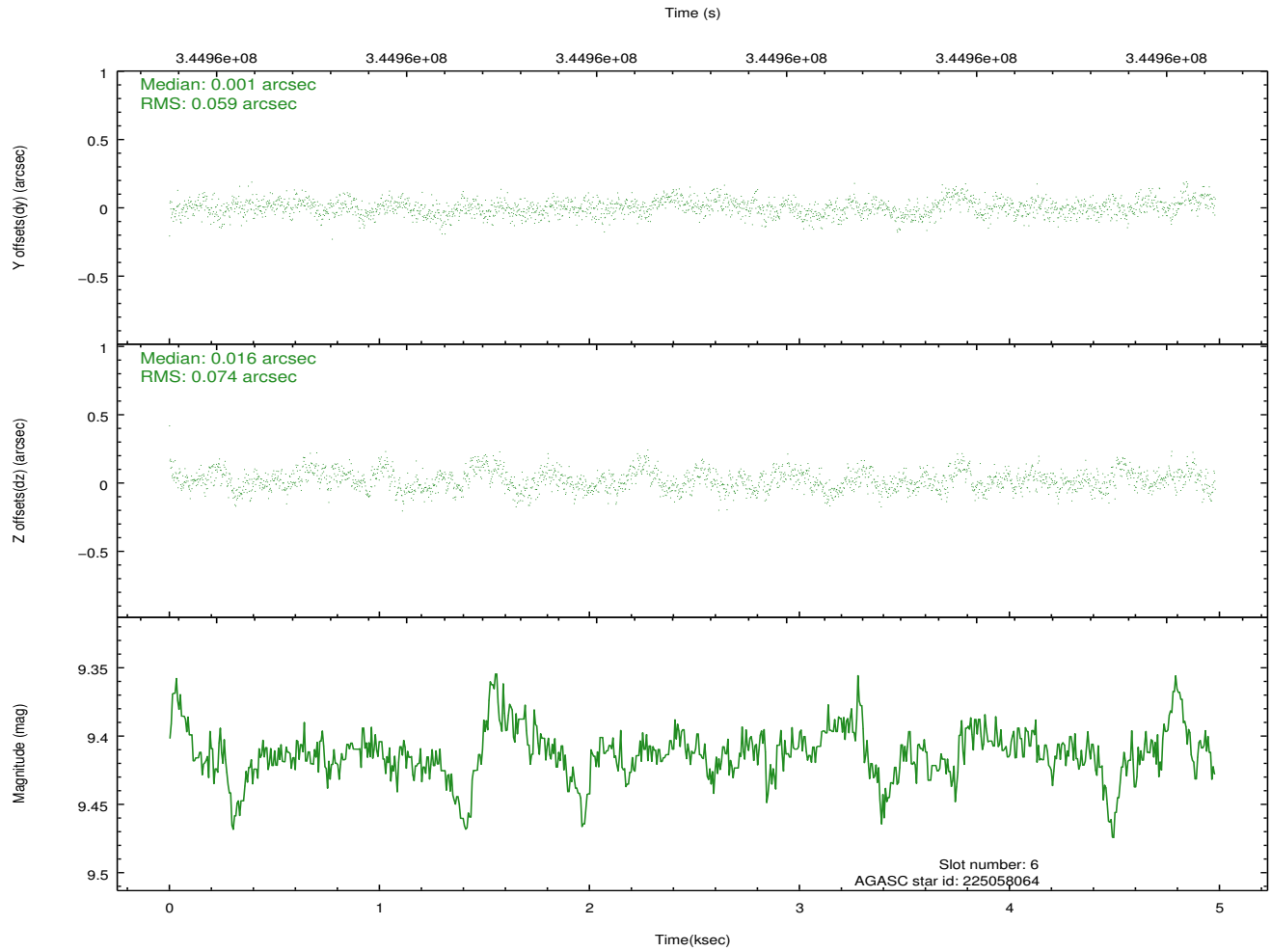
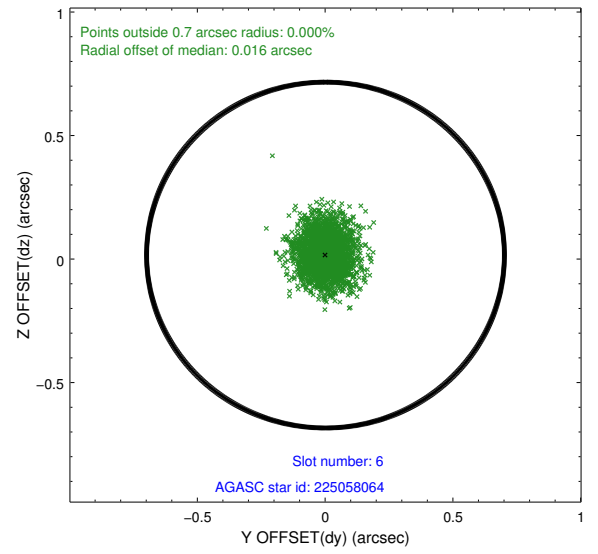
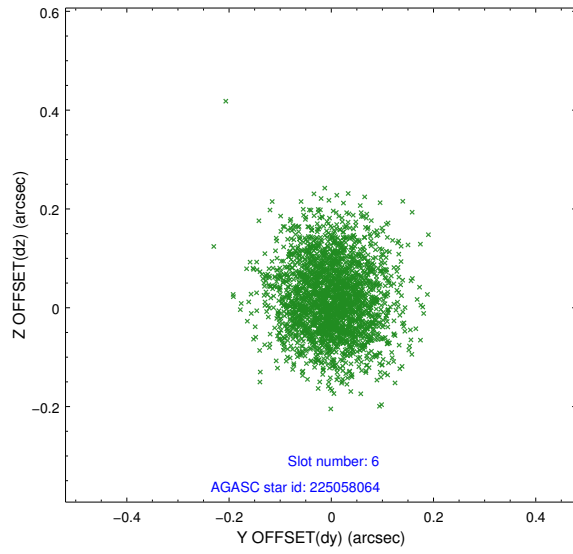
## 2.4.2 Slot 4



### 2.4.3 Slot 5

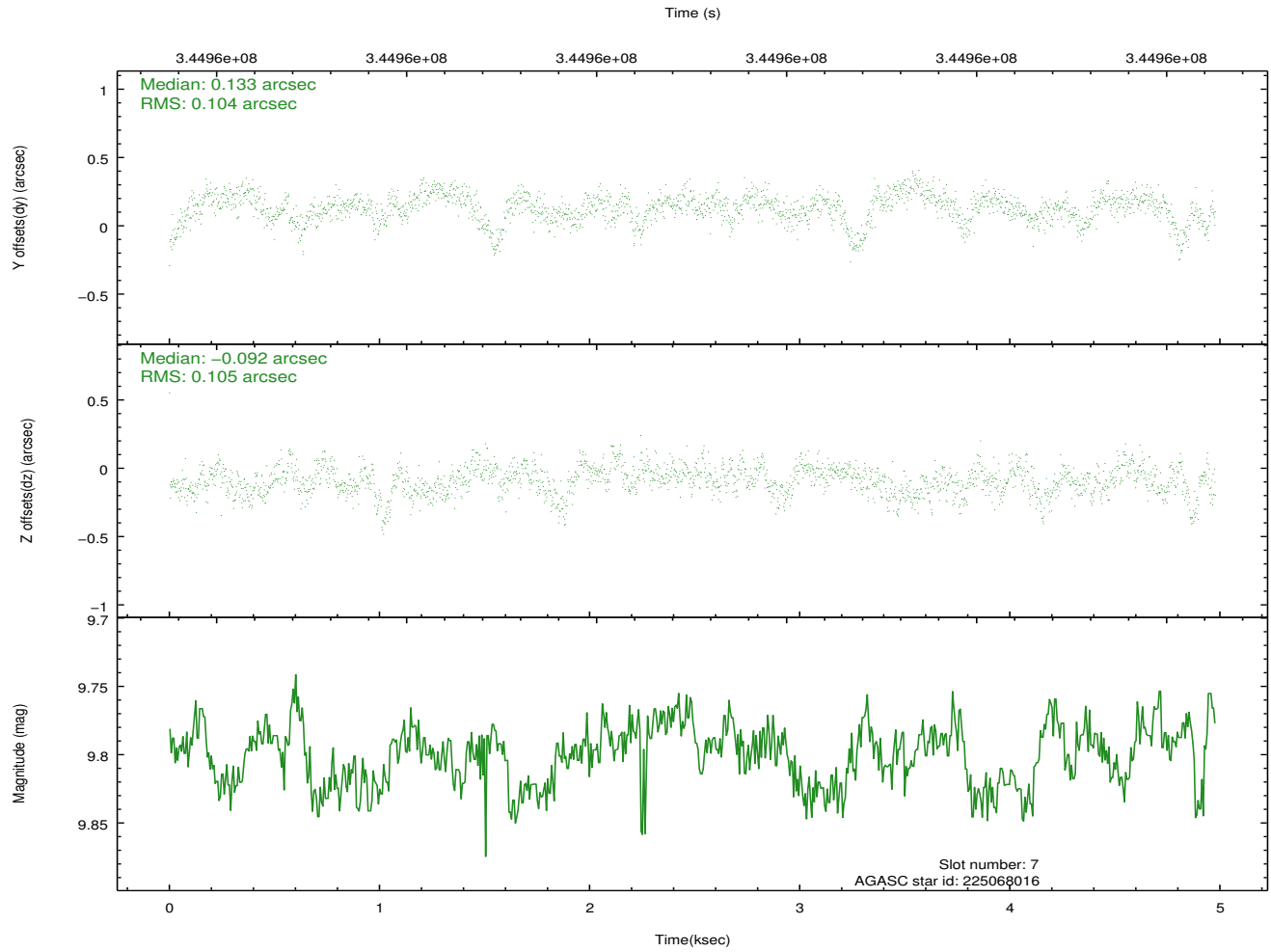
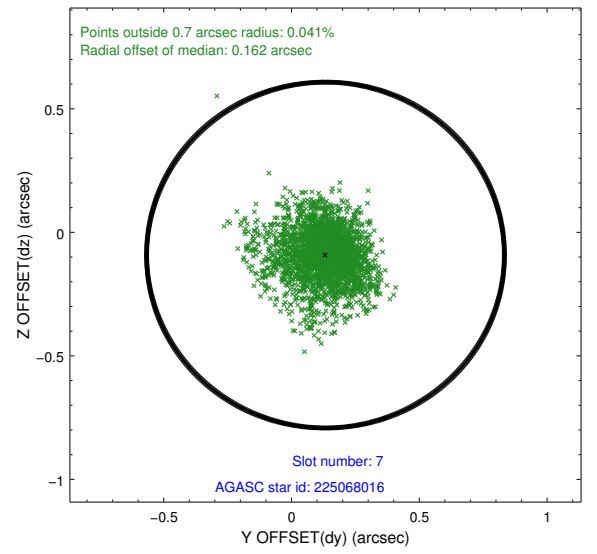
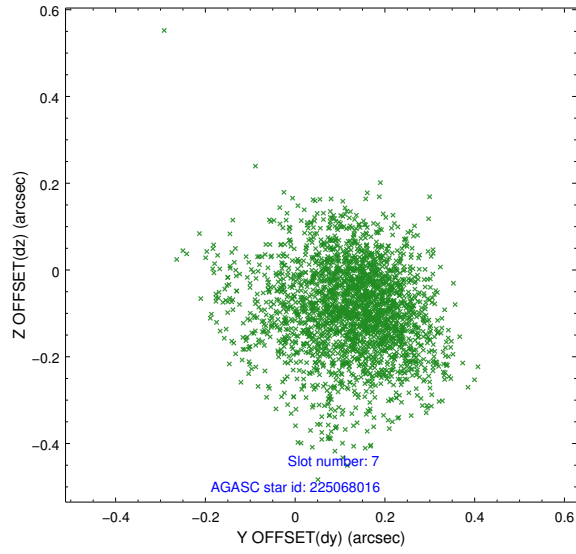


## 2.4.4 Slot 6



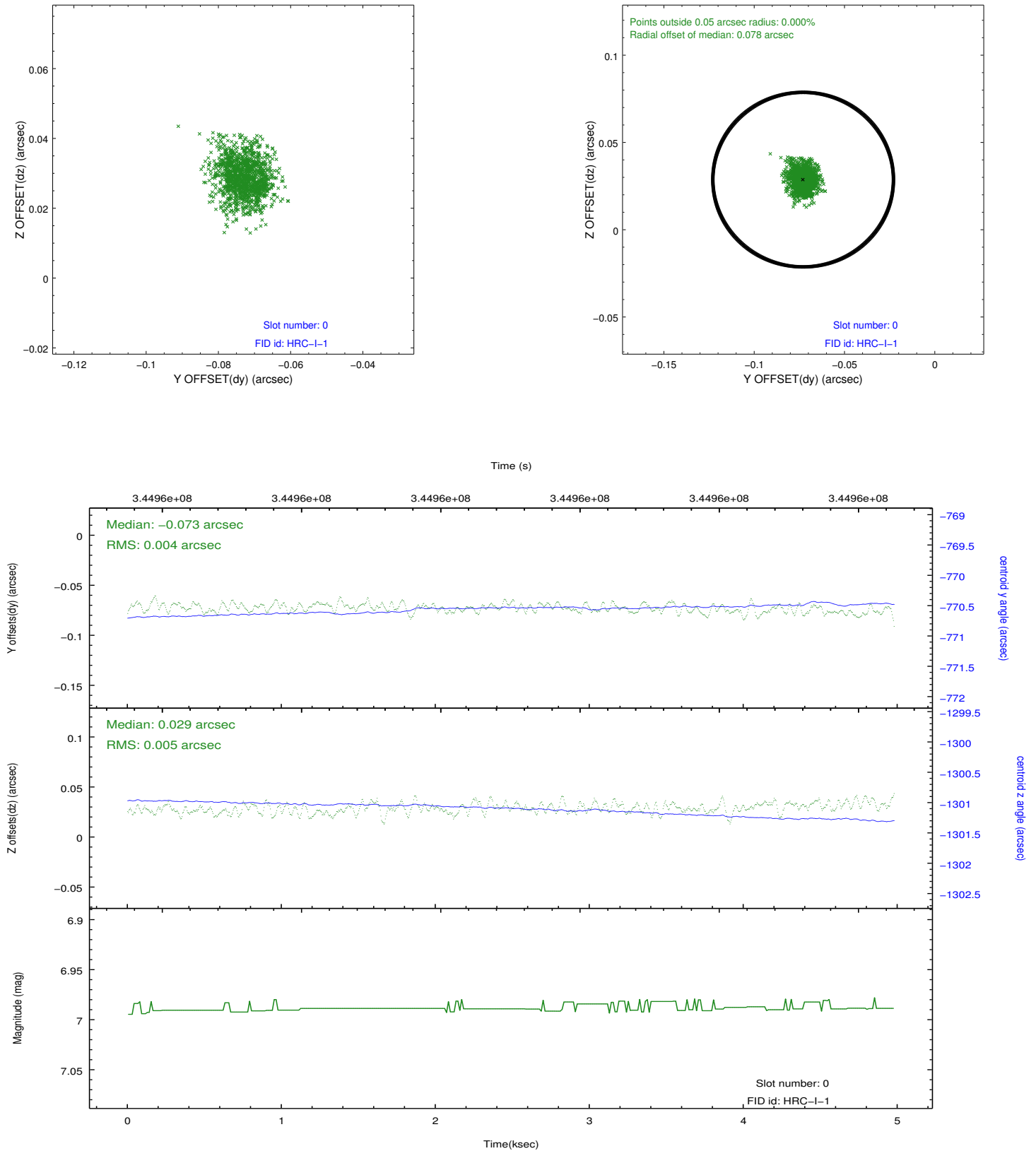


## 2.4.5 Slot 7

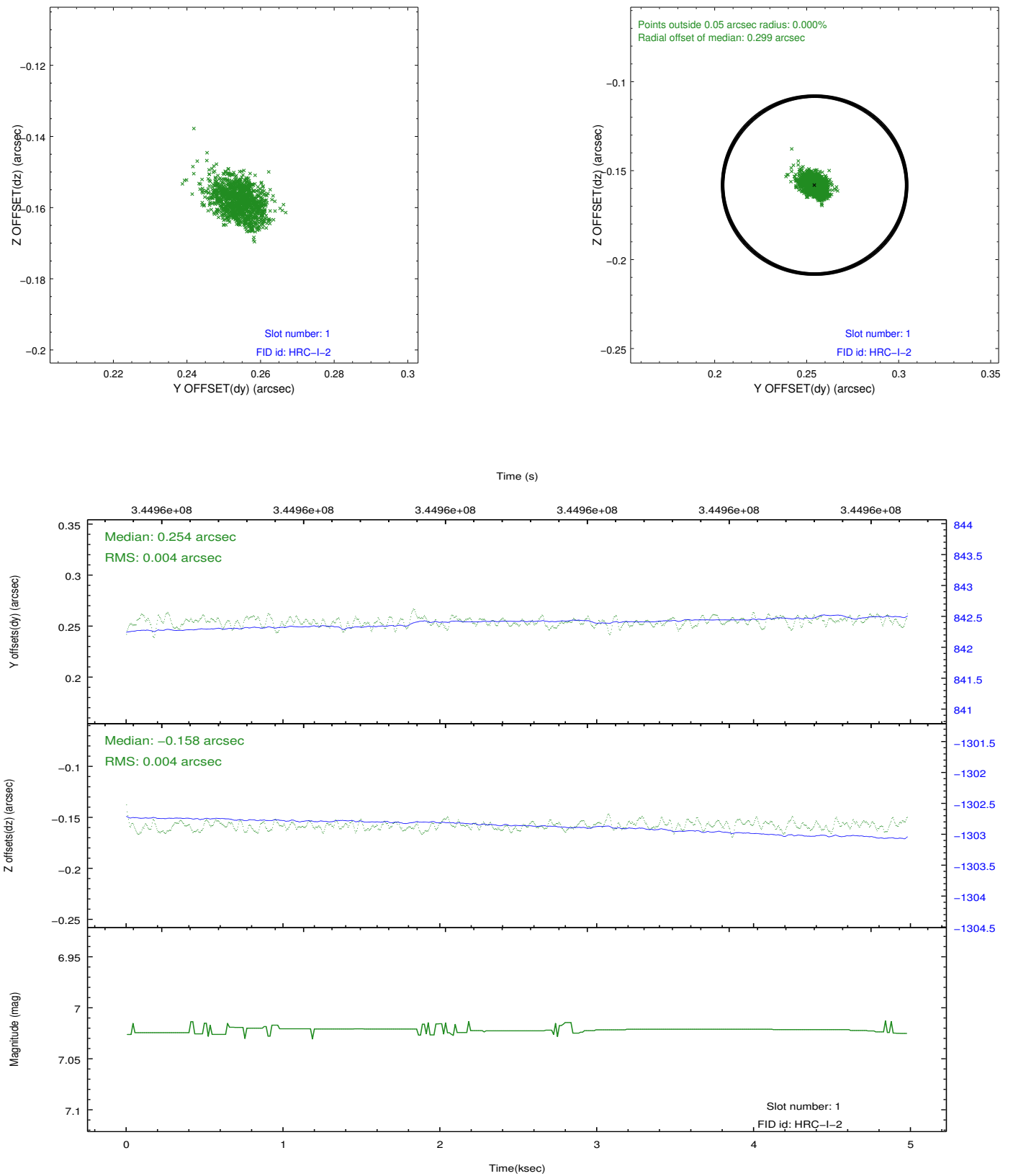


## 2.5 FID Slots

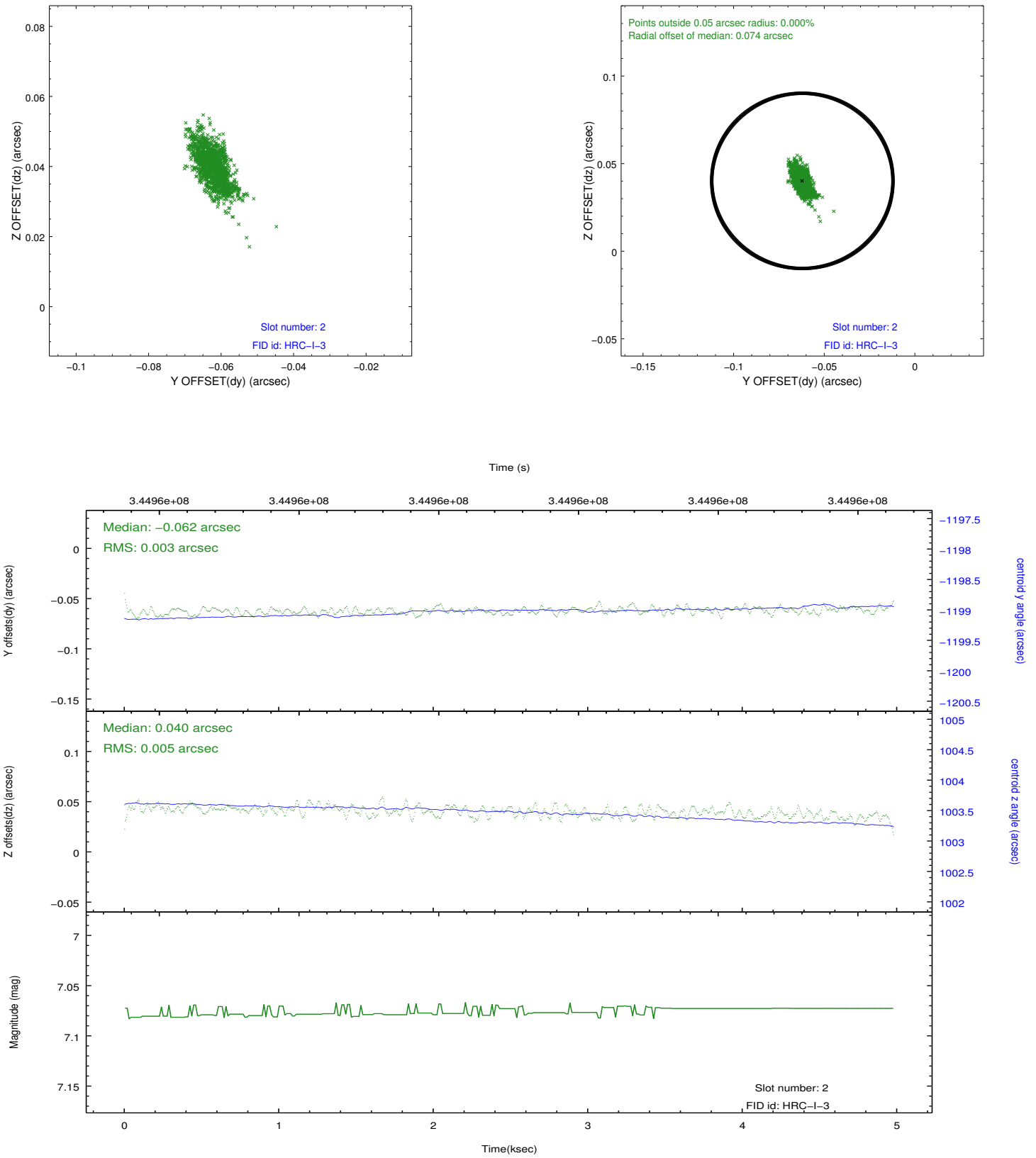
### 2.5.1 Slot 0



## 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)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.97842524

### A.2 Comments