

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9851 - L2 Version 3  
Chandra X-Ray Center

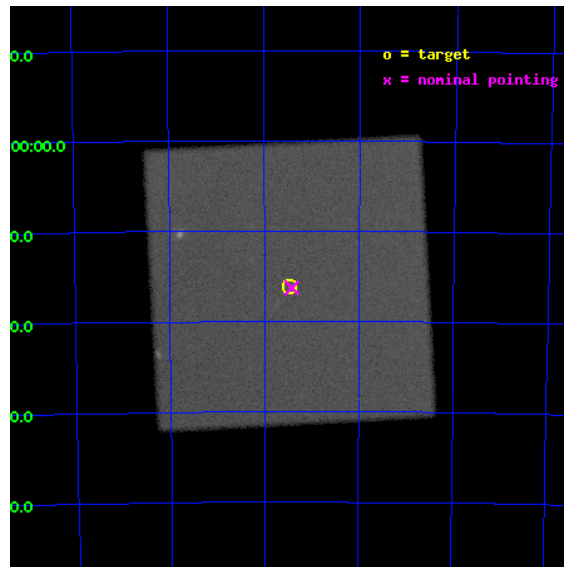
L2 Processing Date : Aug 12 2012

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# 1 Front

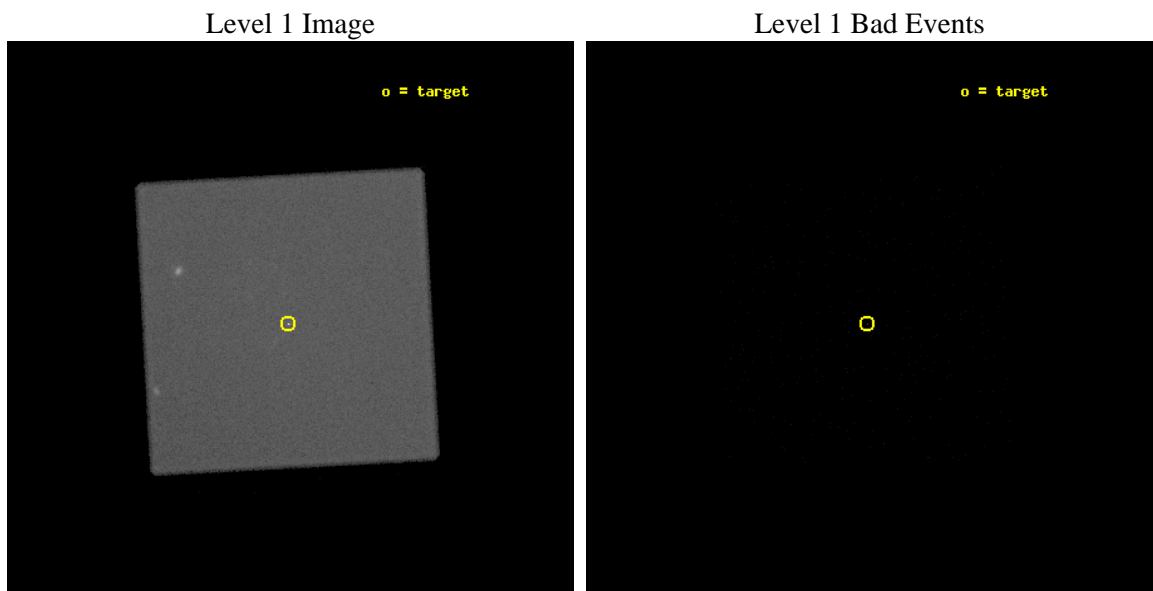
seq_num	500948	Sequence number
obs_id	9851	Observation id
title	High Resolution HRC Imaging of Supernova Remnant 1987A	Proposal ti
observer	Dr. Stephen Murray	Principal investigator
object	SN 1987A	Source name
ra_targ	83.866667	Observer's specified target RA [deg]
dec_targ	-69.269722	Observer's specified target Dec [deg]
ra_nom	83.85553500797	Nominal RA [deg]
dec_nom	-69.271208158042	Nominal Dec [deg]
roll_nom	221.89408141421	Nominal Roll [deg]
revision	3	Processing version of data
ontime	13149.981890738	[s]
livetime	13013.403561277	Ontime multiplied by DTCOR
l2events	834743	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	13000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	13149.981890738	[s]
caldsver	4.5.1.1	&#160	l1events	1306604	Number of level 1 events
date	2012-08-12T11:27:43	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	1306604
rejected events	97944
rejected %	7%

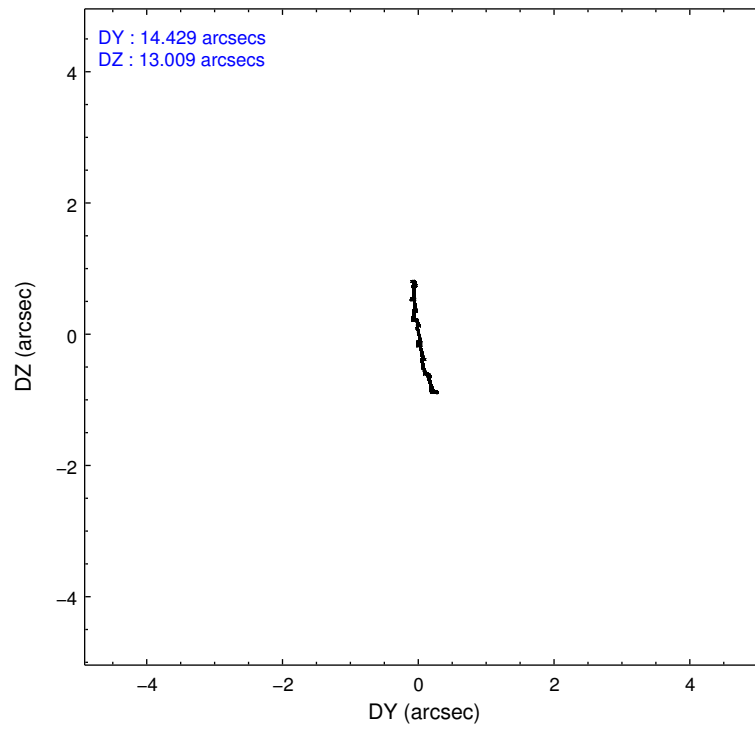
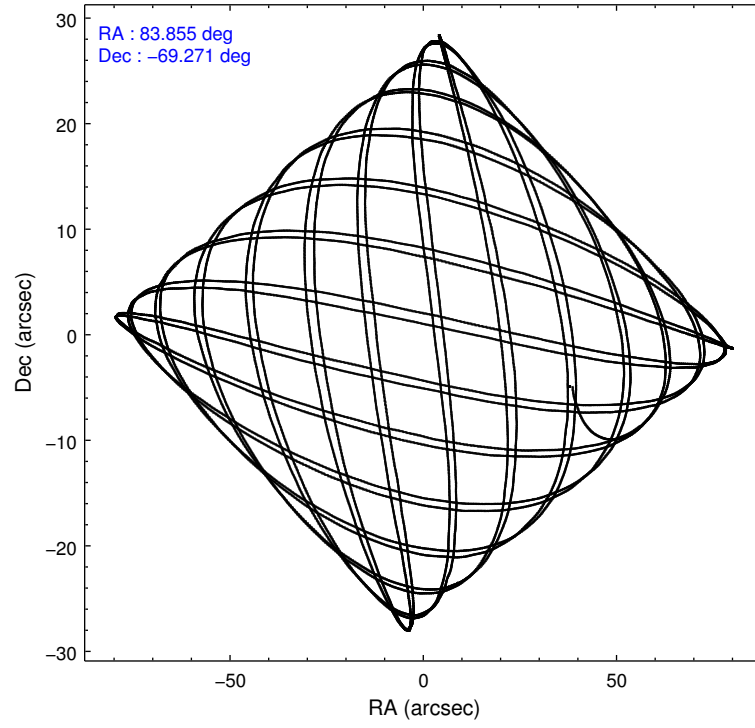


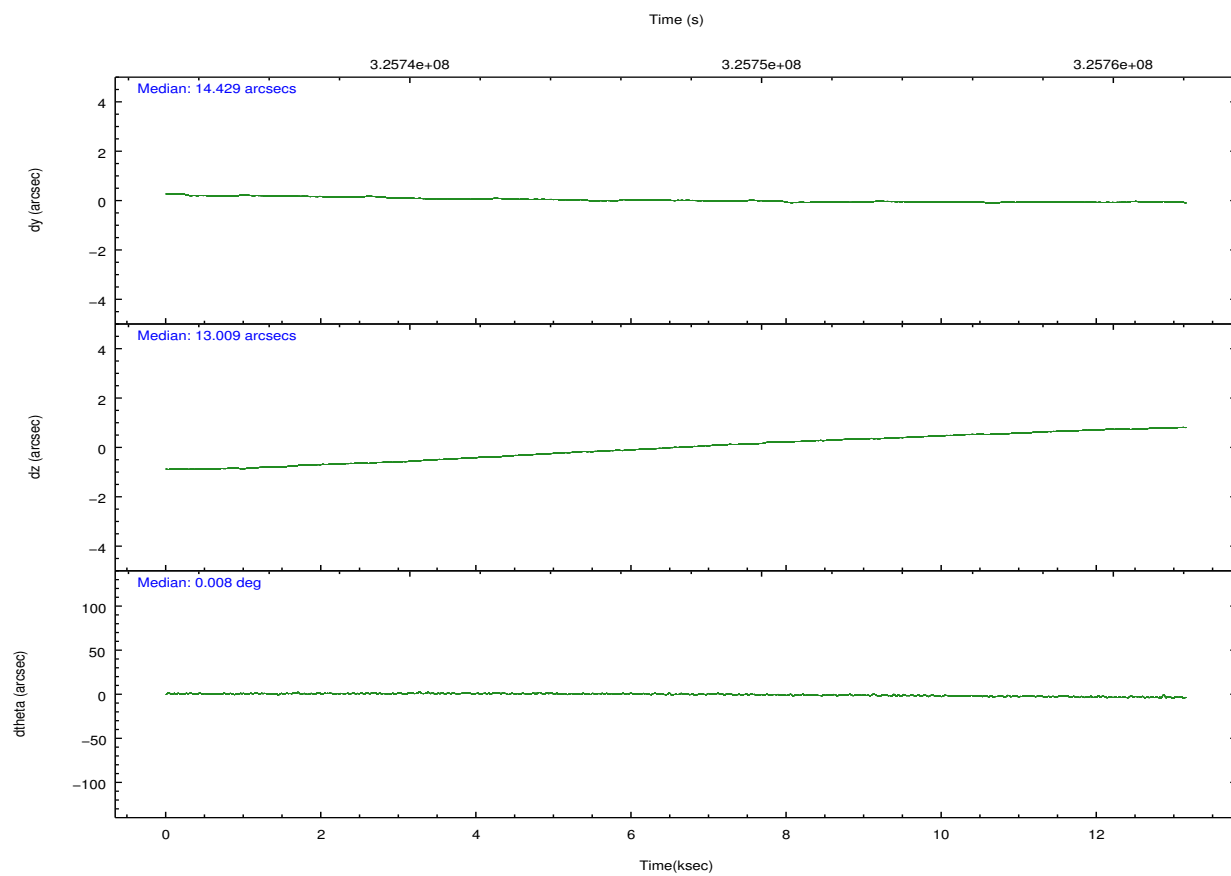
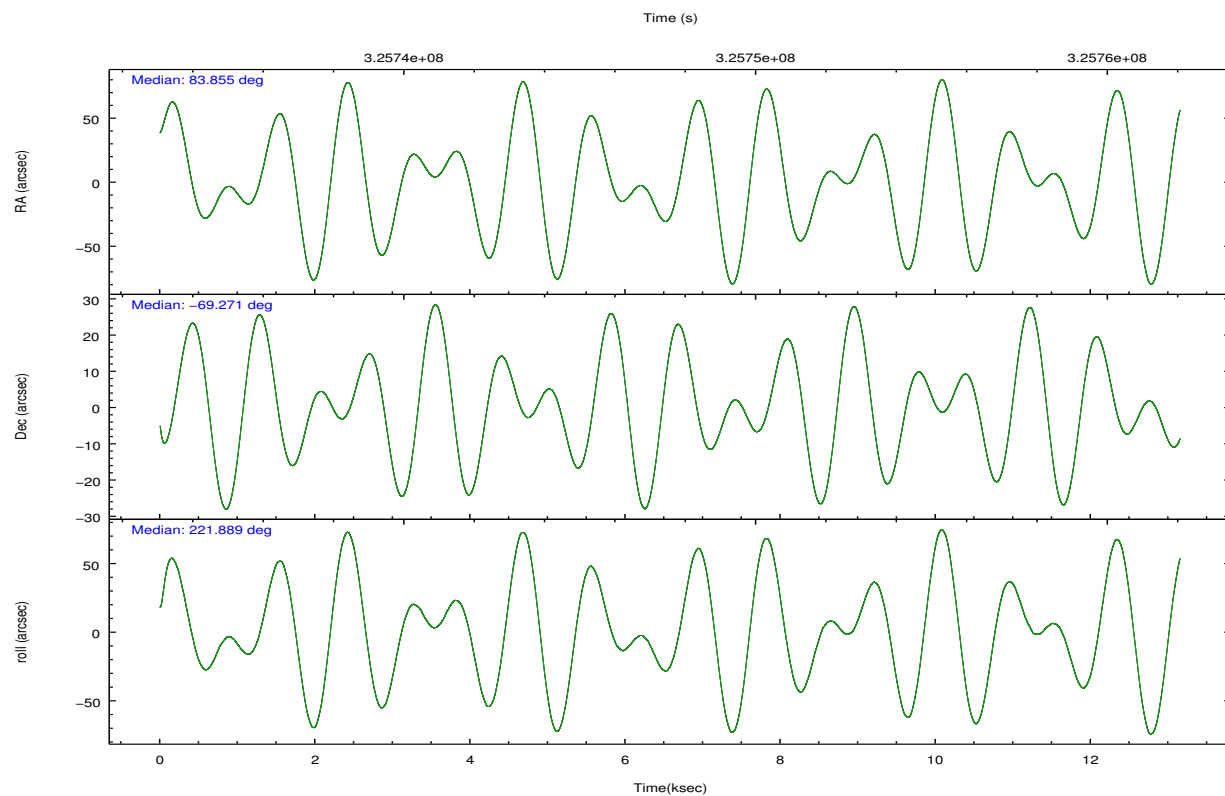
## 2.2 Compared Parameters

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	83.877625	83.85553500796976
[deg] Pointing Dec	-69.245141	-69.27120815804203
[deg] Pointing Roll	222.010250	221.8940814142137
[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)	325742365.184000	325741179.4613
Observation start date	2008-04-28T03:58:20	2008-04-28T03:39:39
[s] Observation end time (MET)	325755365.184000	325756272.58703
Observation end date	2008-04-28T07:35:00	2008-04-28T07:51:12

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

## 2.3 Aspect



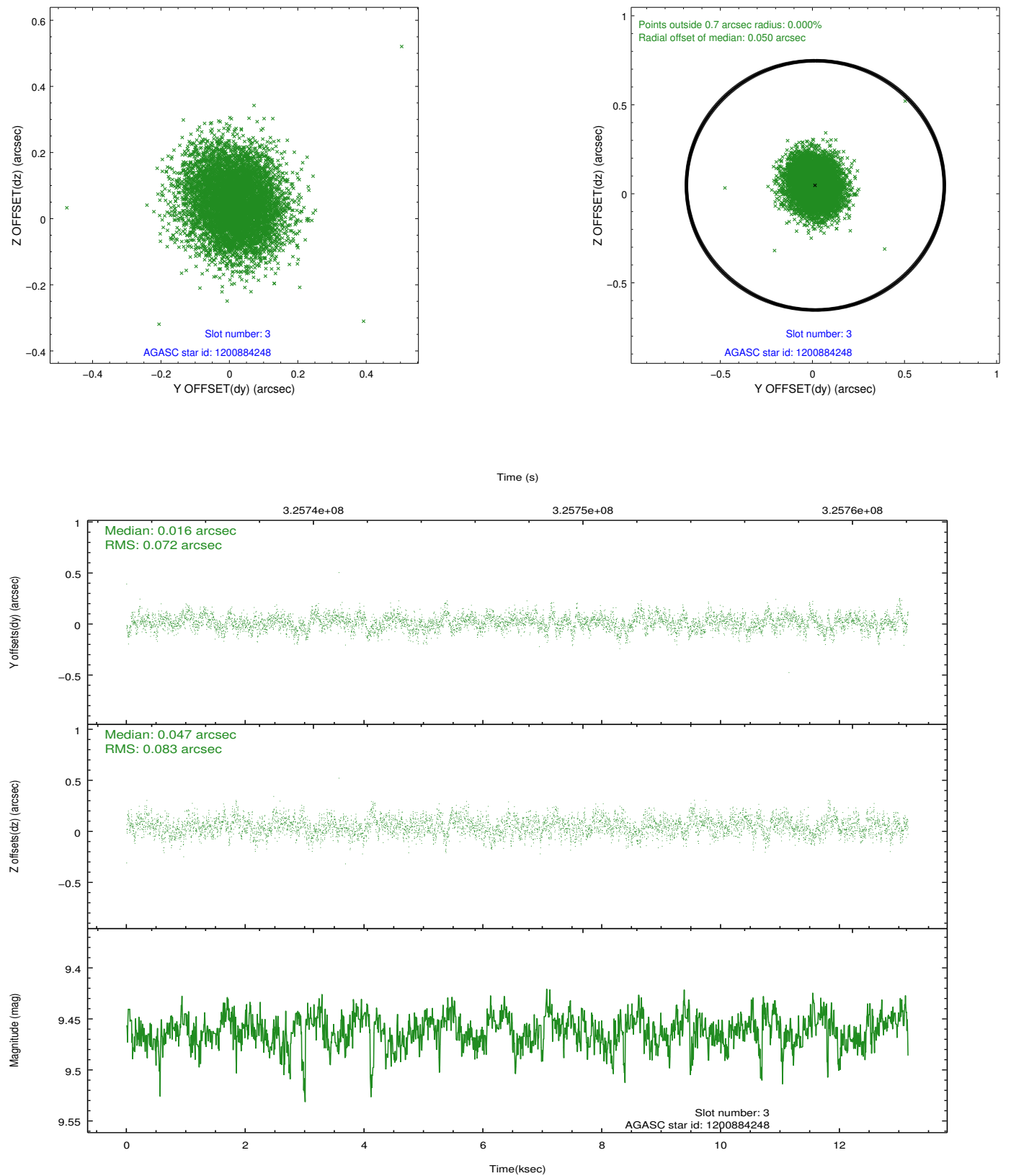


### Slot Statistics

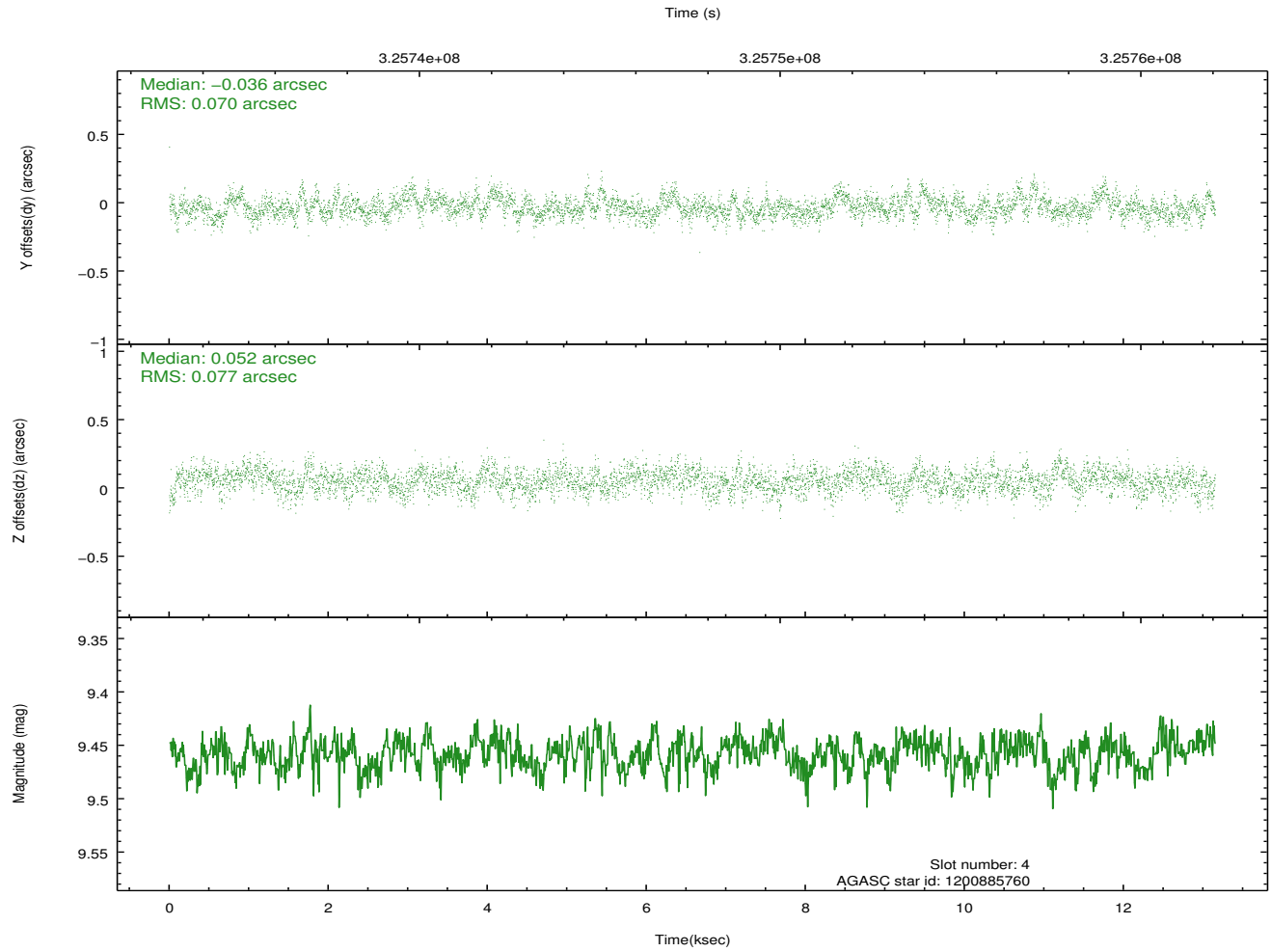
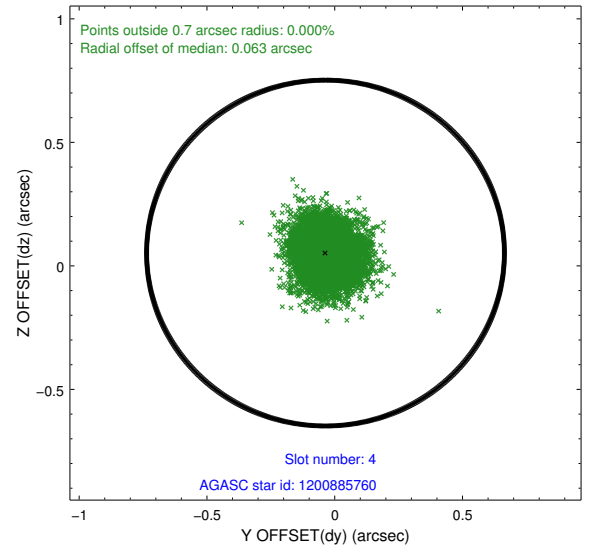
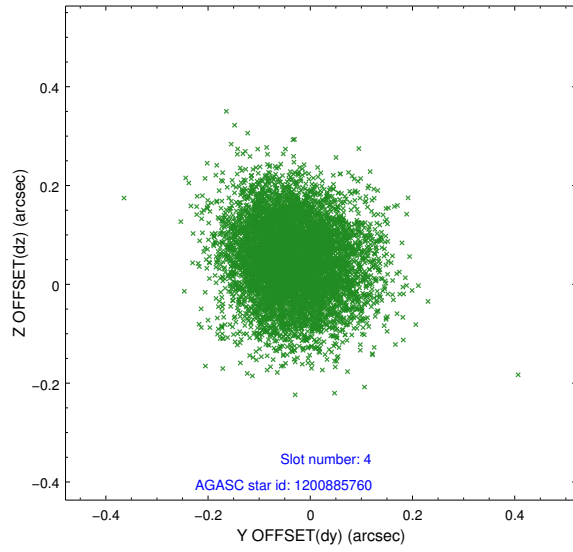
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	3208	0.133	-0.092	0.009	0.018	0.000000	0.000000	842.53	-1302.65
1	FID	HRC-I-3	7.05	3206	-0.111	0.069	0.009	0.017	0.000000	0.000000	-1198.59	1003.22
2	FID	HRC-I-4	6.98	3207	0.097	-0.063	0.007	0.012	0.000000	0.000000	1272.26	1001.43
3	GUIDE	1200884248	9.46	6405	0.016	0.047	0.117	0.189	83.880915	-68.565170	-1641.38	-1815.91
4	GUIDE	1200885760	9.46	6411	-0.036	0.052	0.110	0.179	83.723637	-68.777667	-976.92	-1384.61
5	GUIDE	1201019200	9.47	6405	-0.024	0.070	0.109	0.181	84.213591	-68.777384	-1451.31	-957.43
6	GUIDE	1201020040	8.60	6413	0.028	-0.154	0.066	0.107	85.379163	-68.879396	-2312.31	342.50
7	GUIDE	1201407840	7.96	6413	0.011	-0.015	0.068	0.115	83.696303	-70.172201	2398.37	2332.40

## 2.4 Star Slots

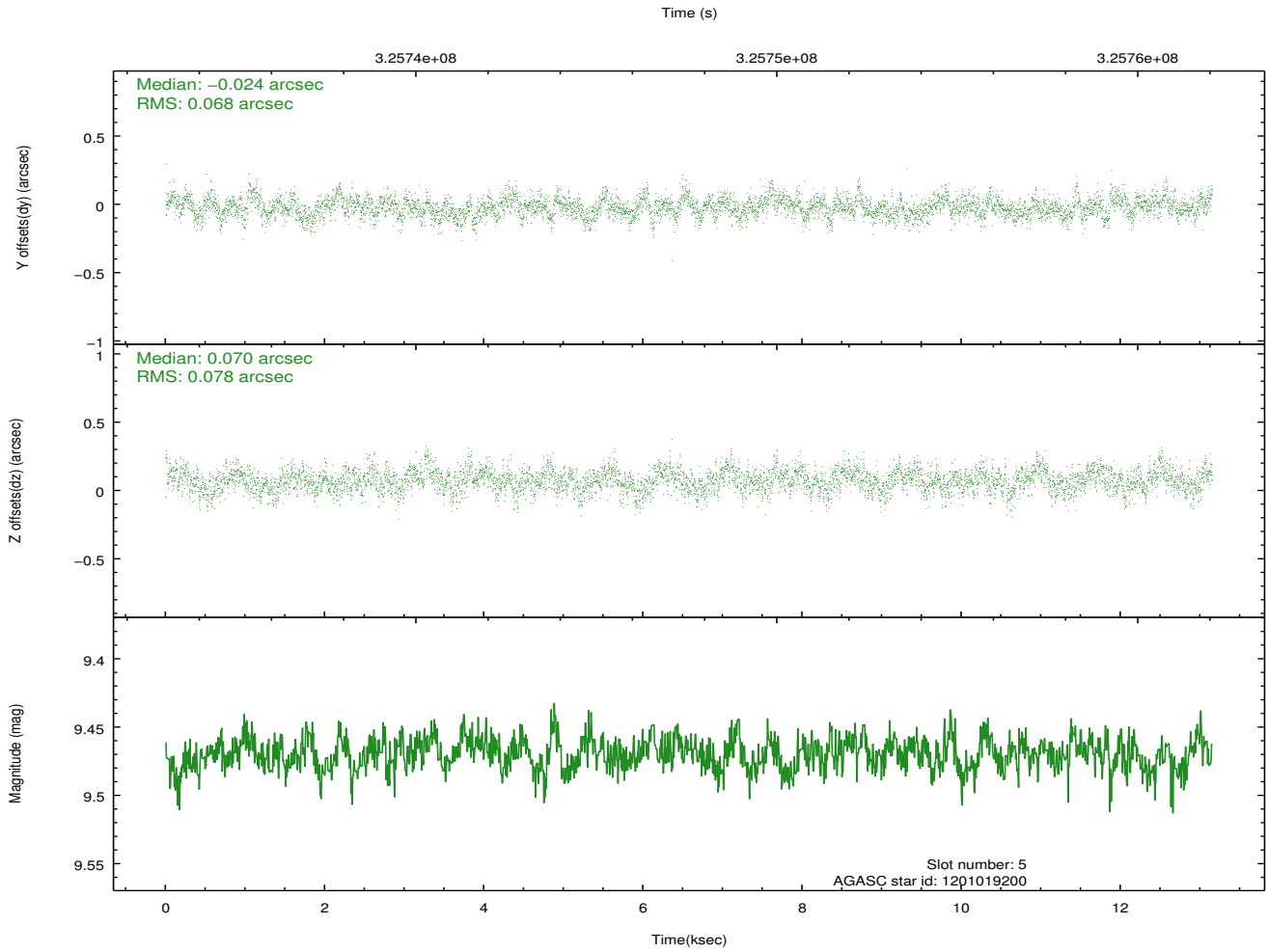
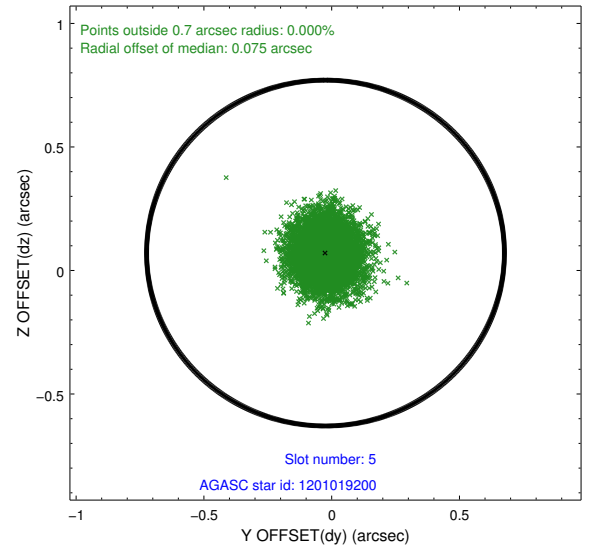
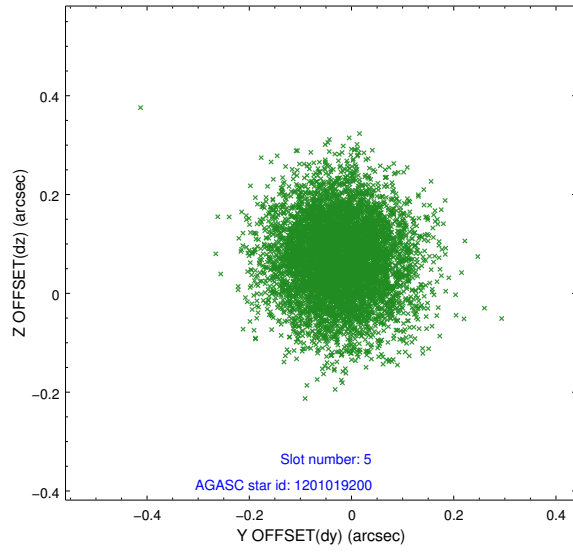
### 2.4.1 Slot 3



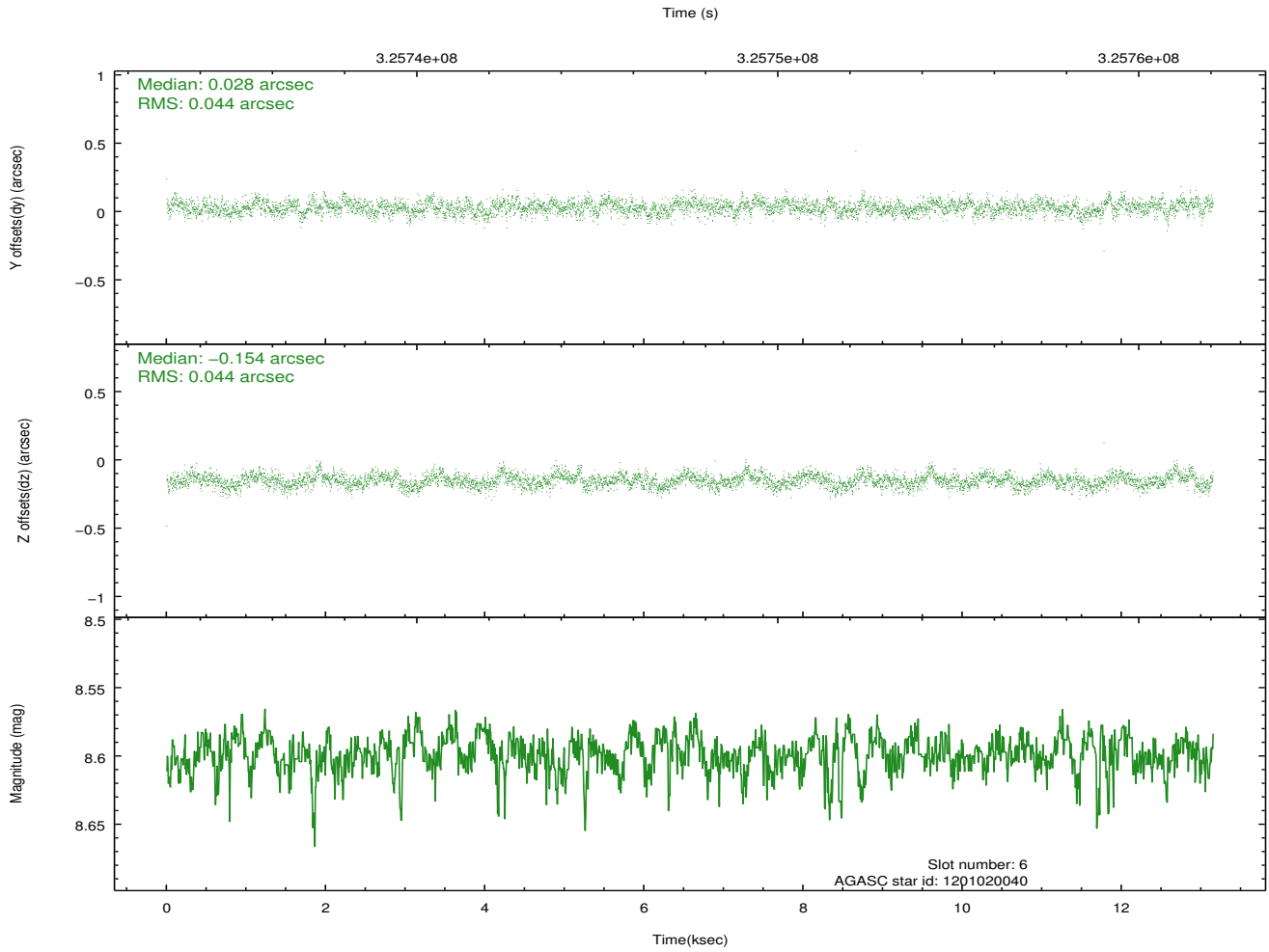
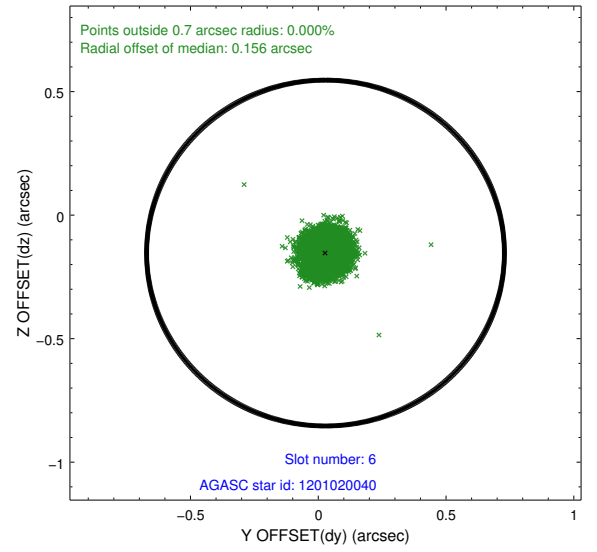
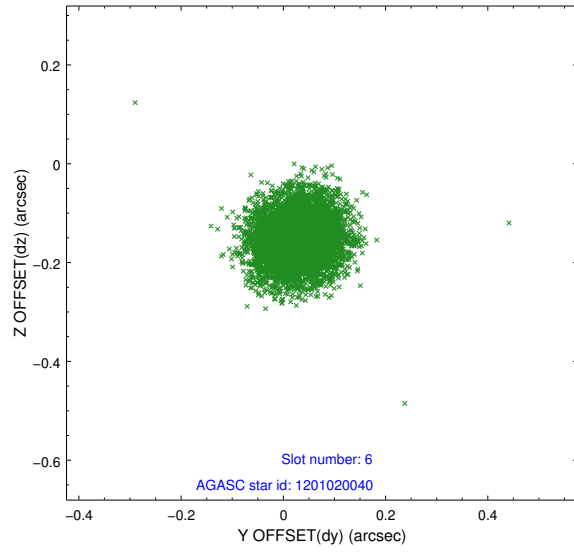
## 2.4.2 Slot 4



### 2.4.3 Slot 5

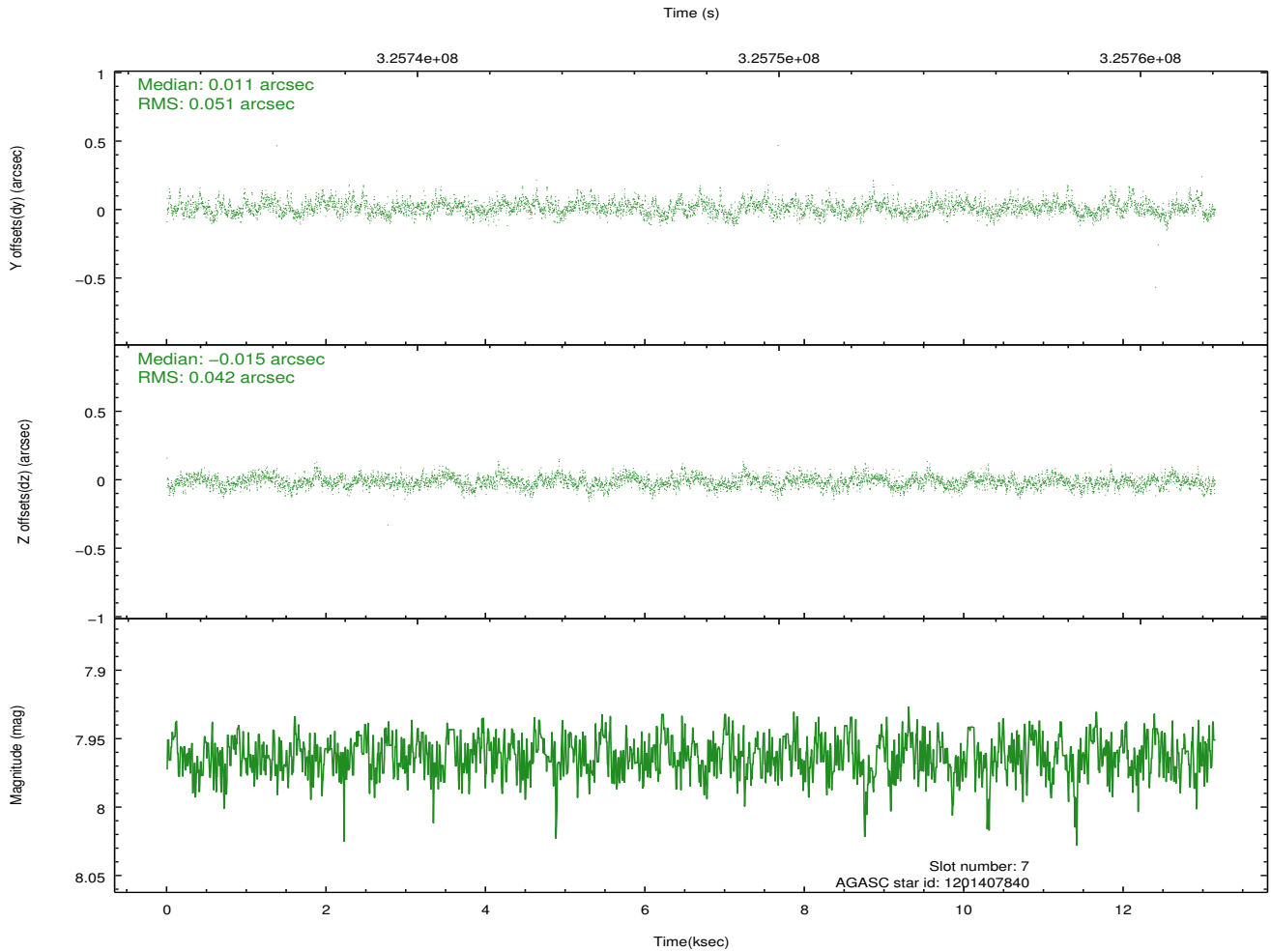
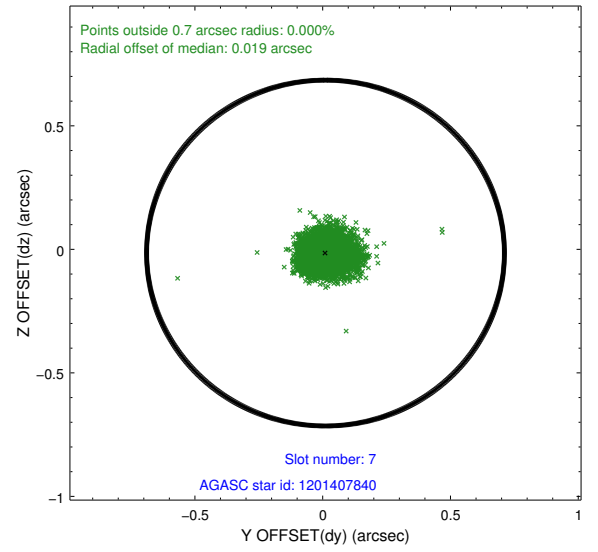
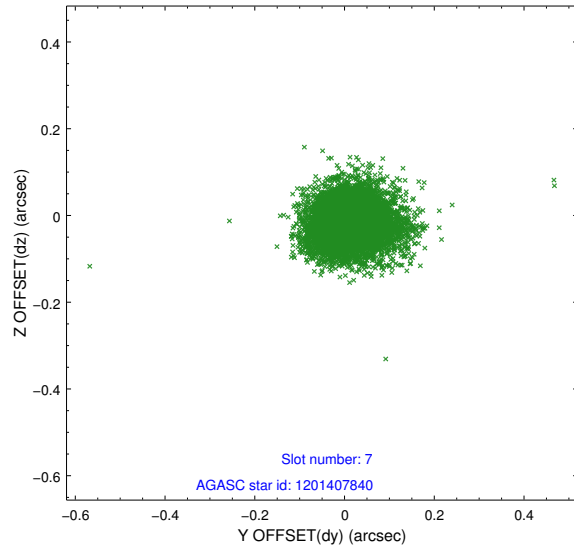


## 2.4.4 Slot 6



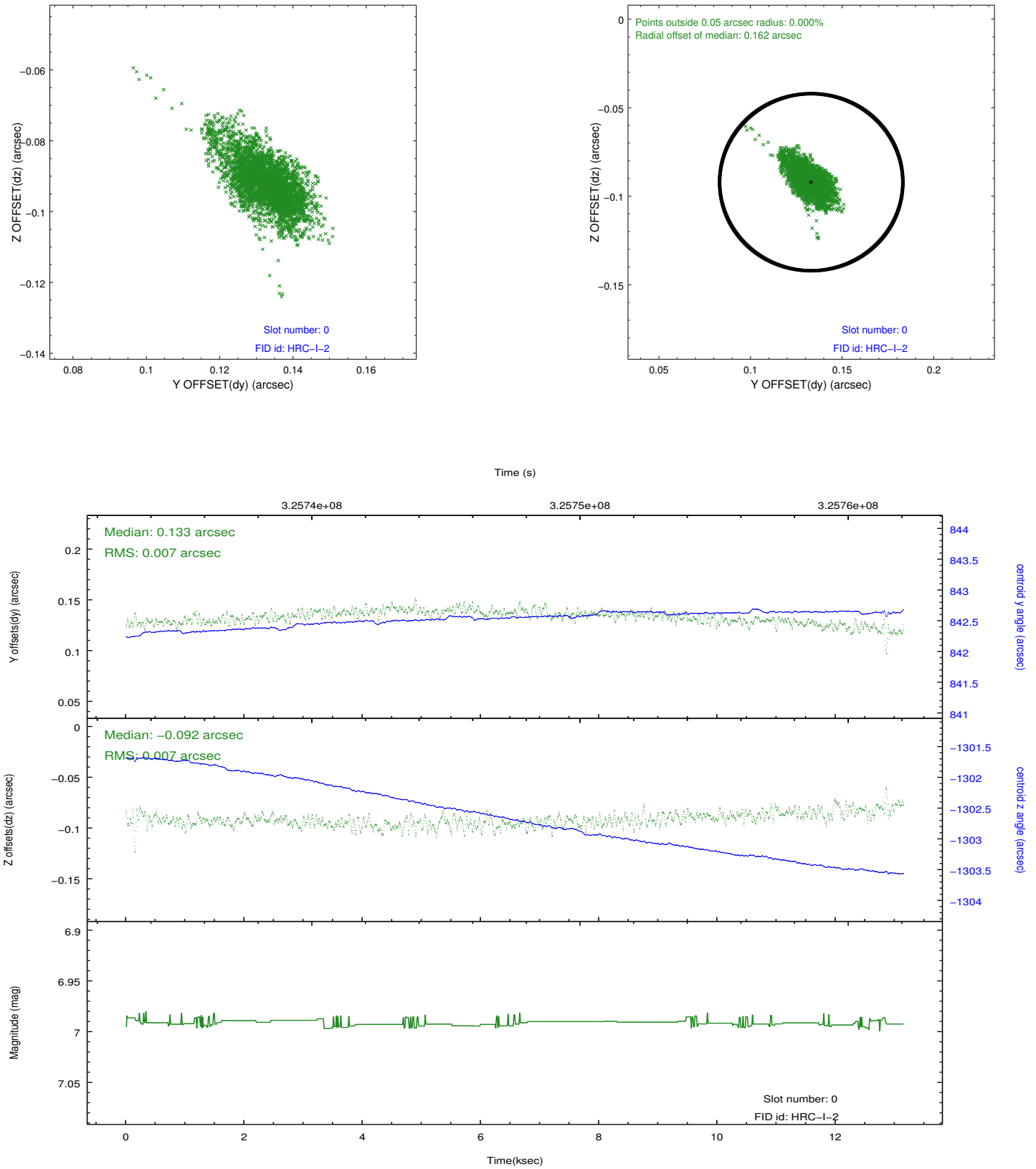


## 2.4.5 Slot 7

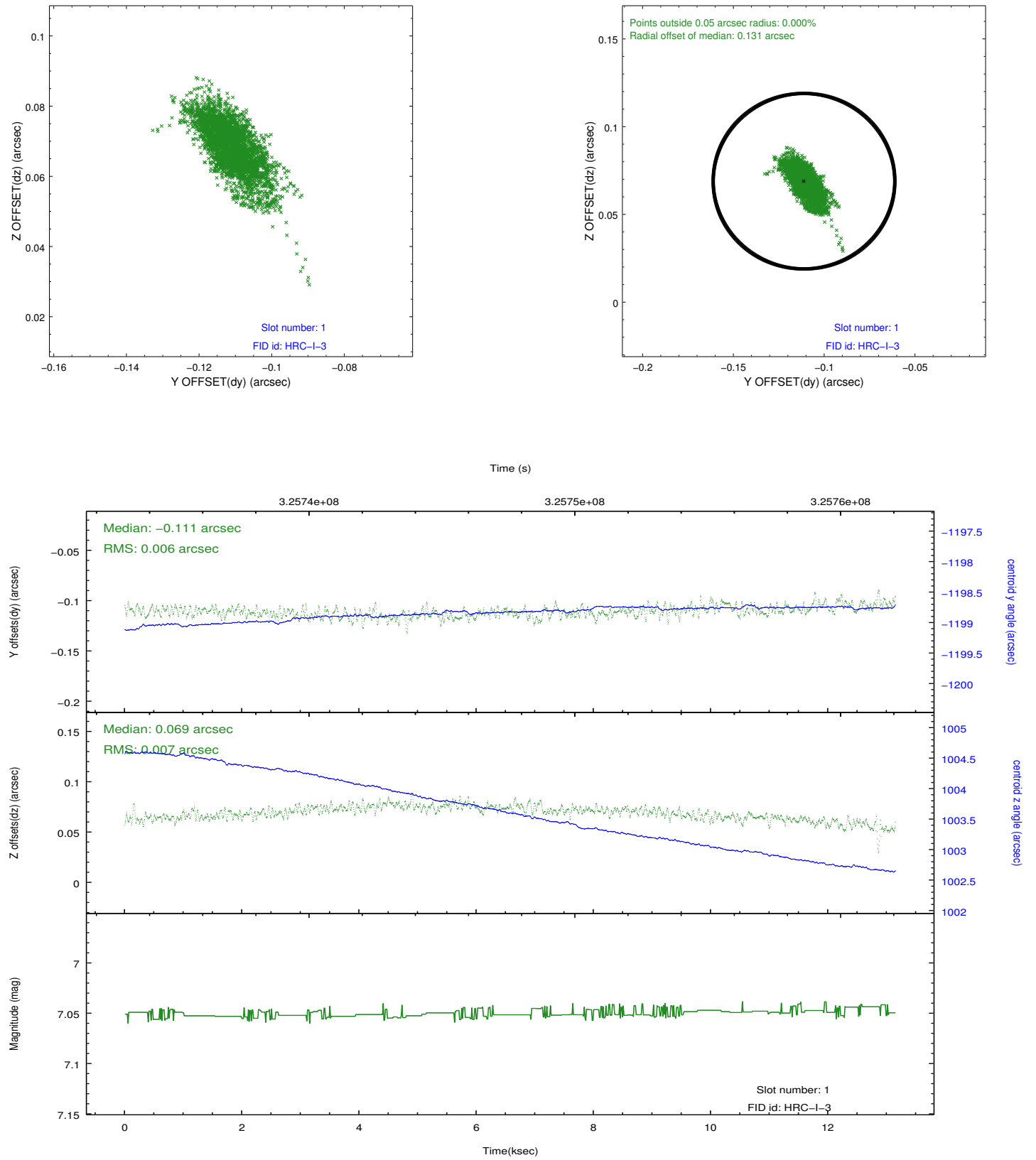


## 2.5 FID Slots

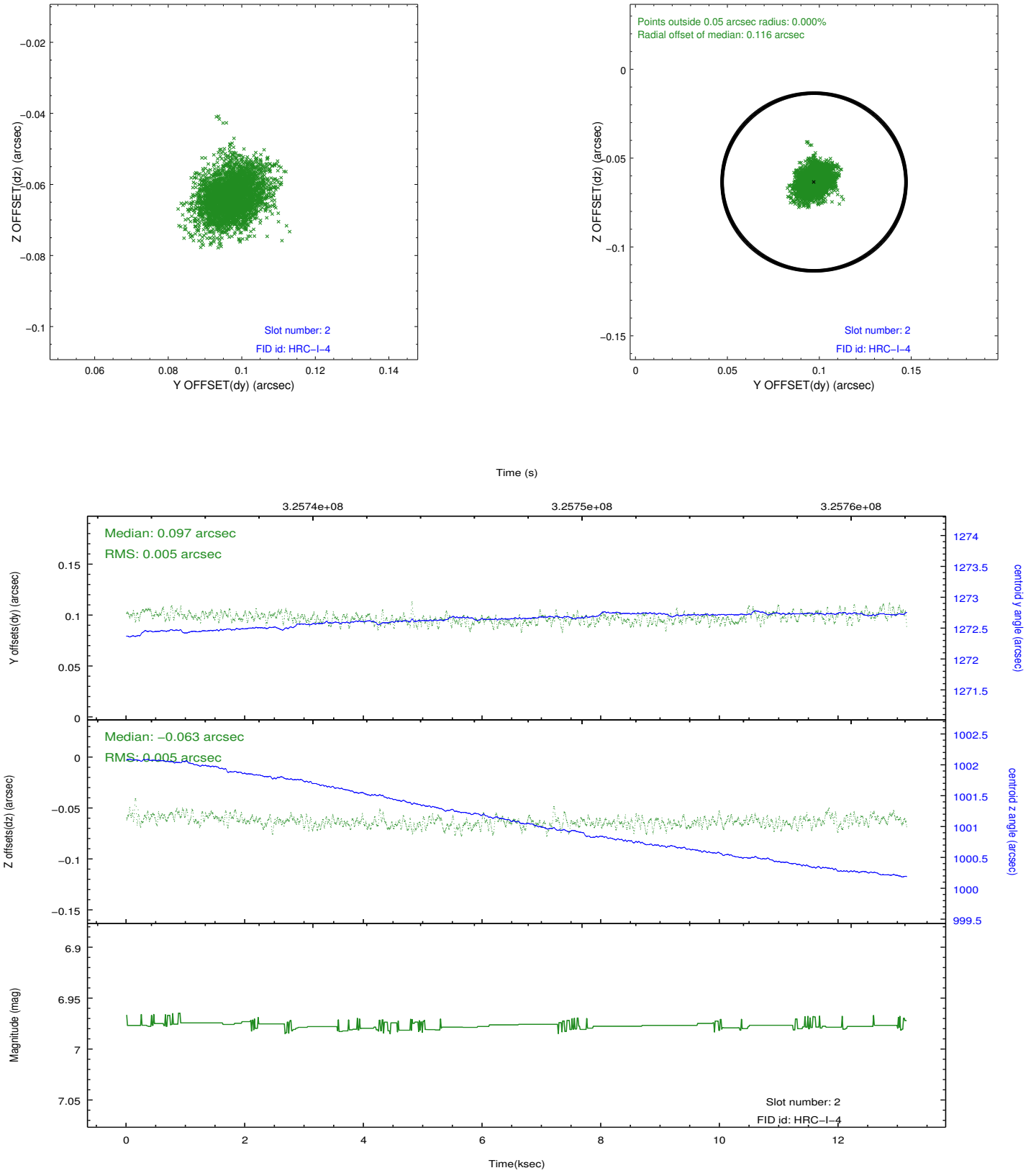
### 2.5.1 Slot 0



## 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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.1499818

### A.2 Comments