

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4779 - L2 Version 3  
Chandra X-Ray Center

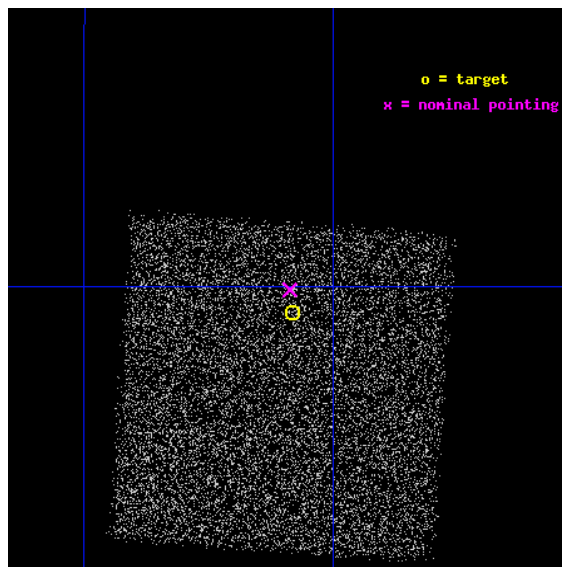
L2 Processing Date : Nov 11 2012

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# 1 Front

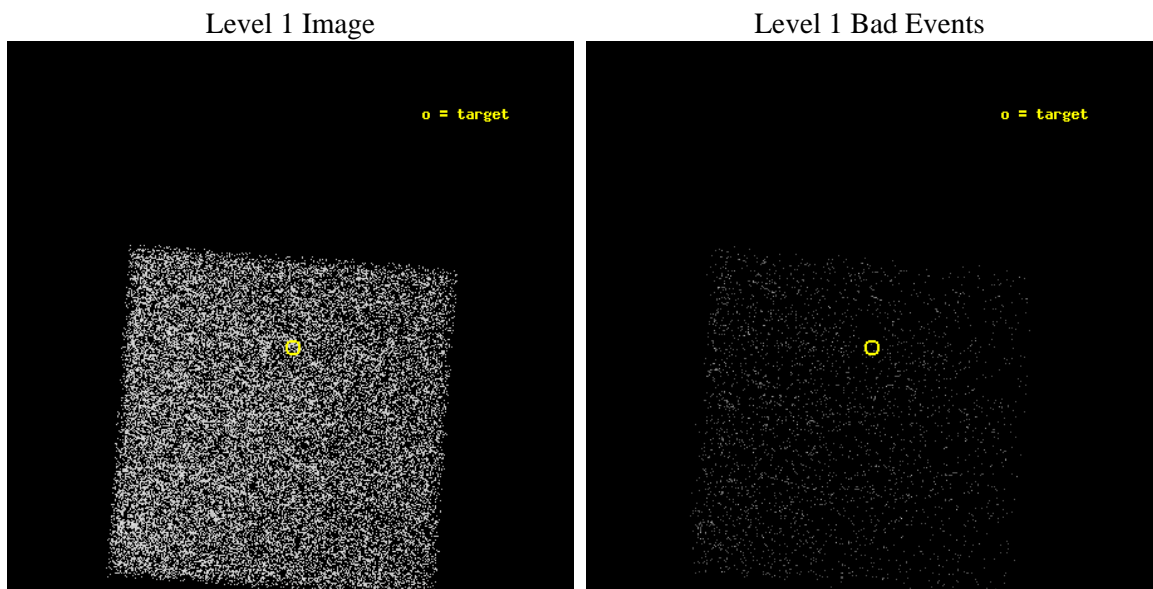
seq_num	700862	Sequence number
obs_id	4779	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1330-1666	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.395417	Observer's specified target RA [deg]
dec_targ	29.822417	Observer's specified target Dec [deg]
ra_nom	203.39657731323	Nominal RA [deg]
dec_nom	29.832011524941	Nominal Dec [deg]
roll_nom	94.076615831152	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4149.0	Sum of GTIs [s]
livetime	4093.0076552758	Livetime [s]
ontime7	4149.0	Sum of GTIs [s]
l2events	14433	Number of level 2 events



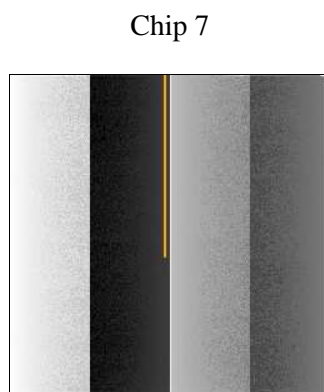
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4149.0	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	4149.0	Sum of GTIs [s]
date	2012-11-11T23:04:04	Date and time of file creation	l1events	43432	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	43432
rejected events	28625
rejected %	65%

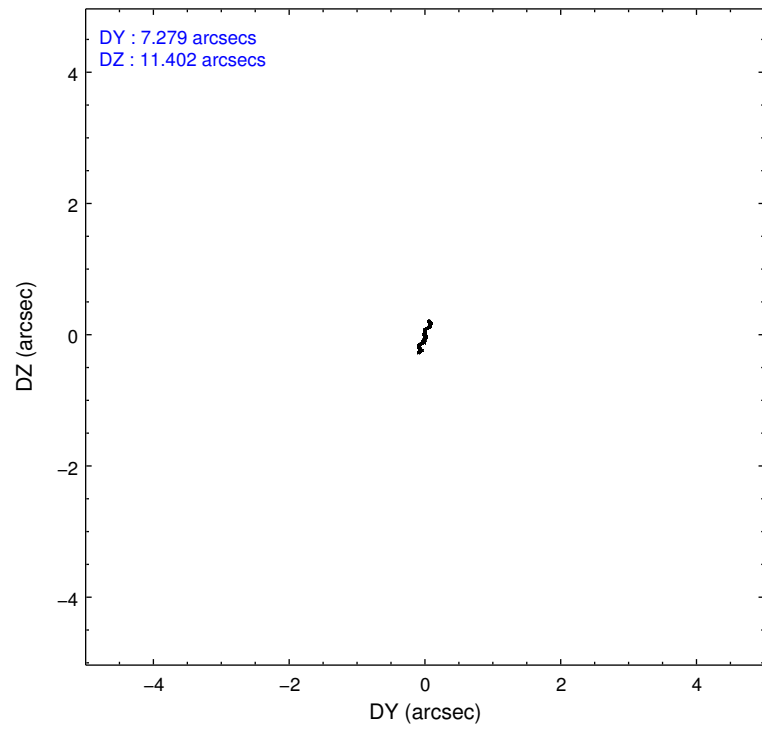
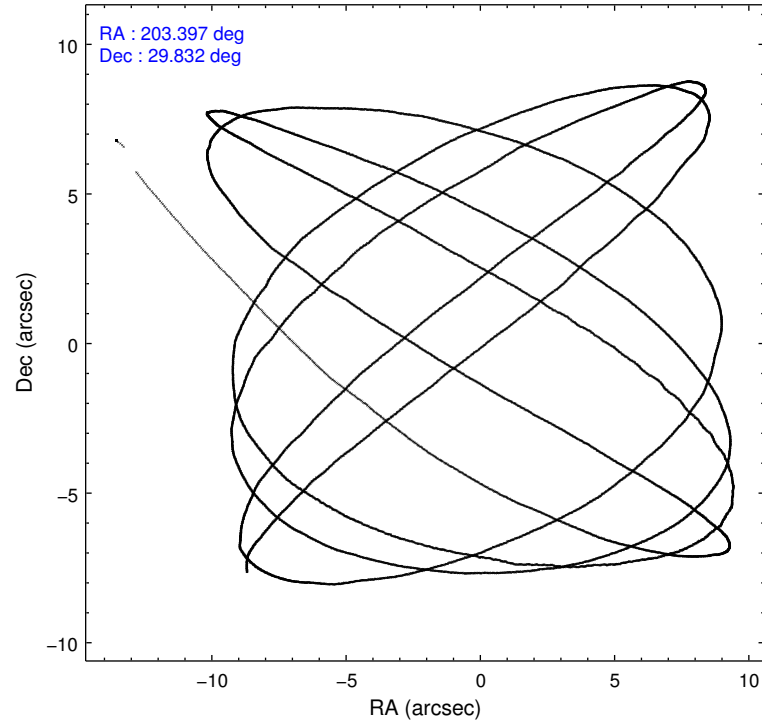
	<b>ccd 7</b>
grade 0 events	1672
	3%
grade 1 events	51
	0%
grade 2 events	3626
	8%
grade 3 events	1680
	3%
grade 4 events	1610
	3%
grade 5 events	4127
	9%
grade 6 events	9490
	21%
grade 7 events	21176
	48%

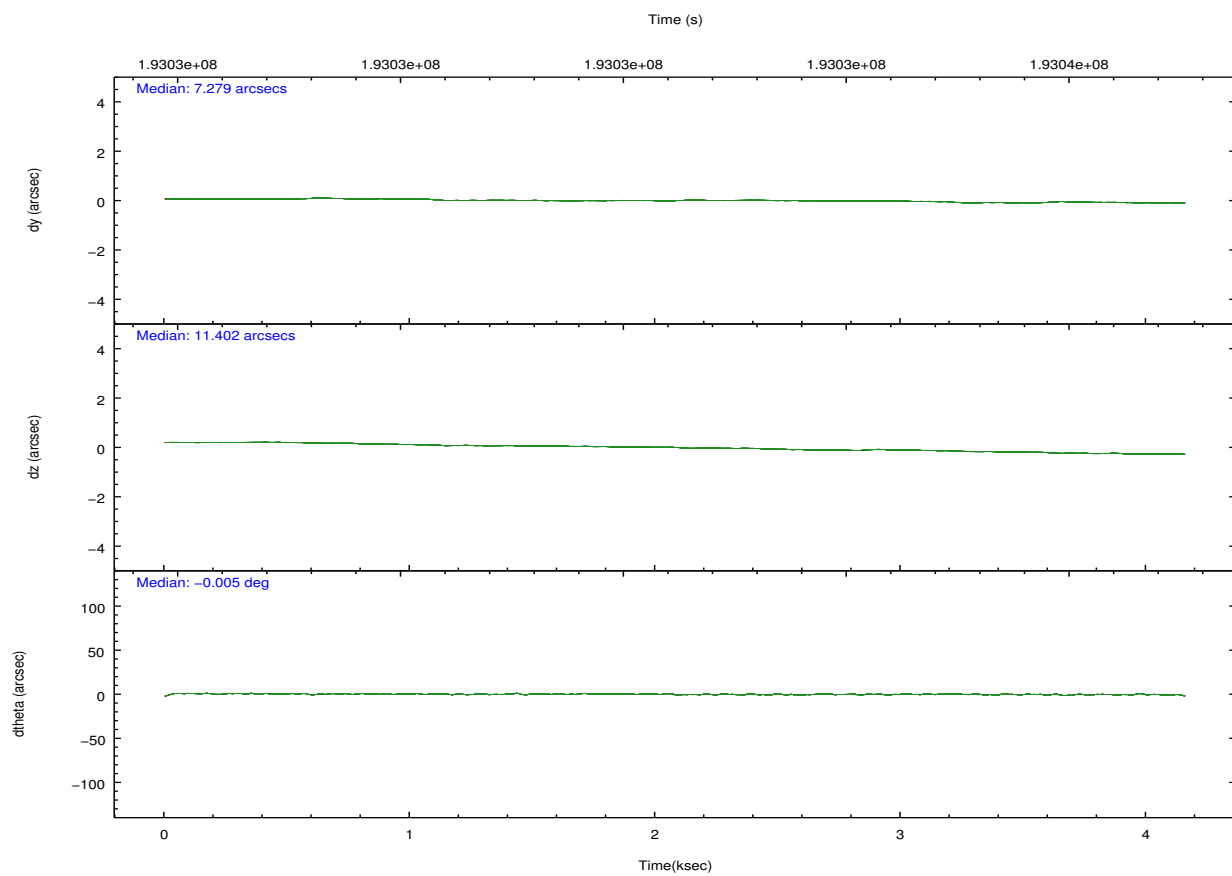
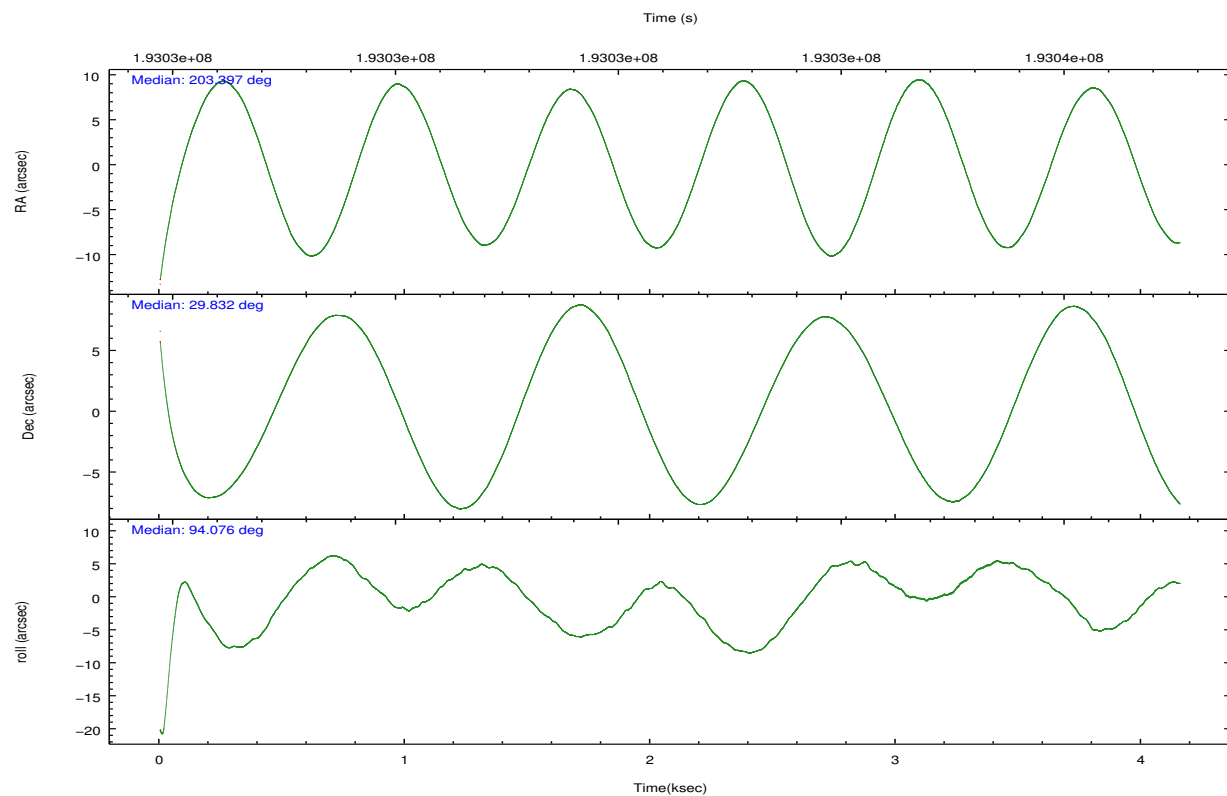


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	203.414517	203.3965773132271	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.809689	29.8320115249409	Alternating exposures requested	N	N
[deg] Pointing Roll	93.911144	94.07661583115207	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	193031312.184000	193030151.61059			
Observation start date	2004-02-13T03:47:28	2004-02-13T03:29:11			
[s] Observation end time (MET)	193035312.184000	193036011.53584			
Observation end date	2004-02-13T04:54:08	2004-02-13T05:06:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect



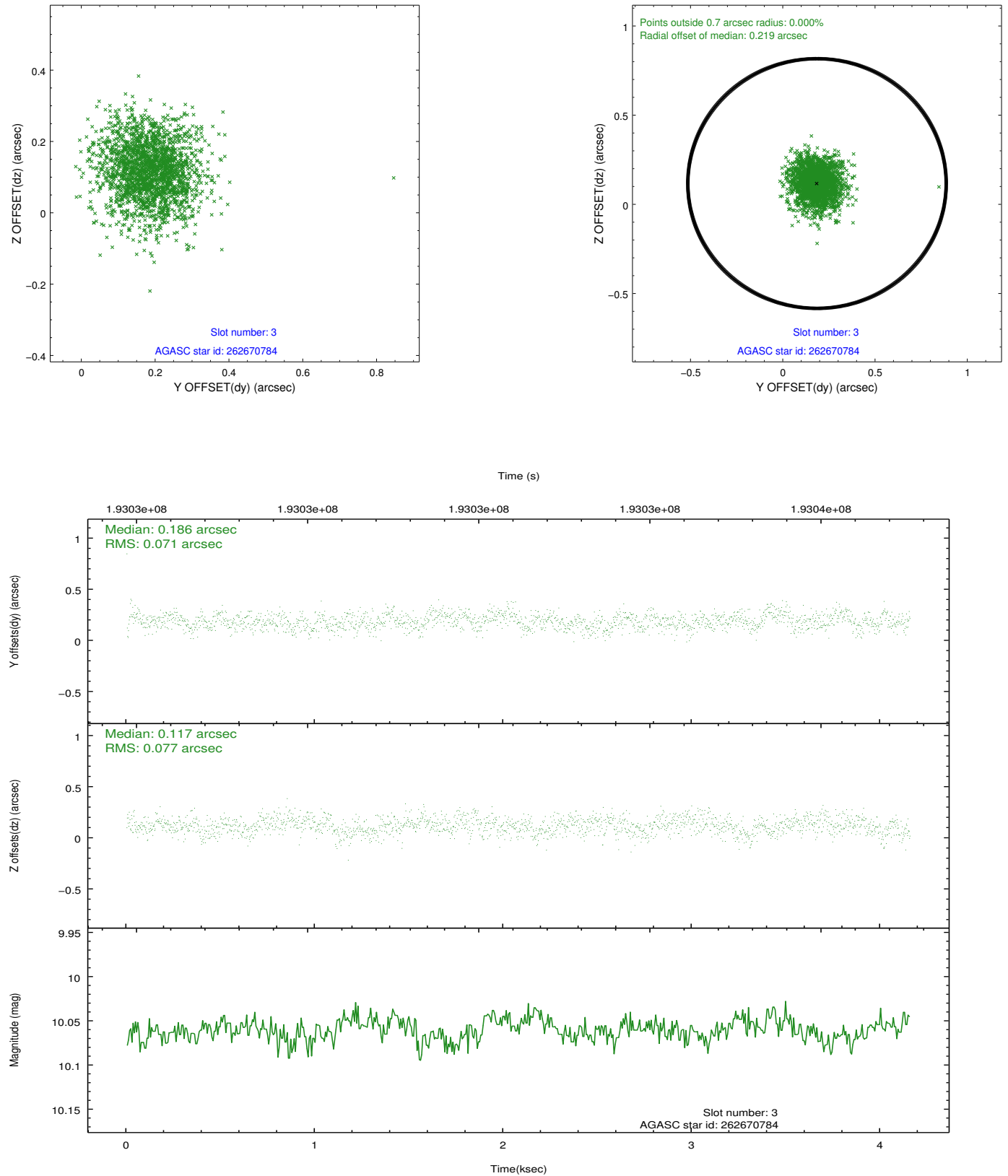


### Slot Statistics

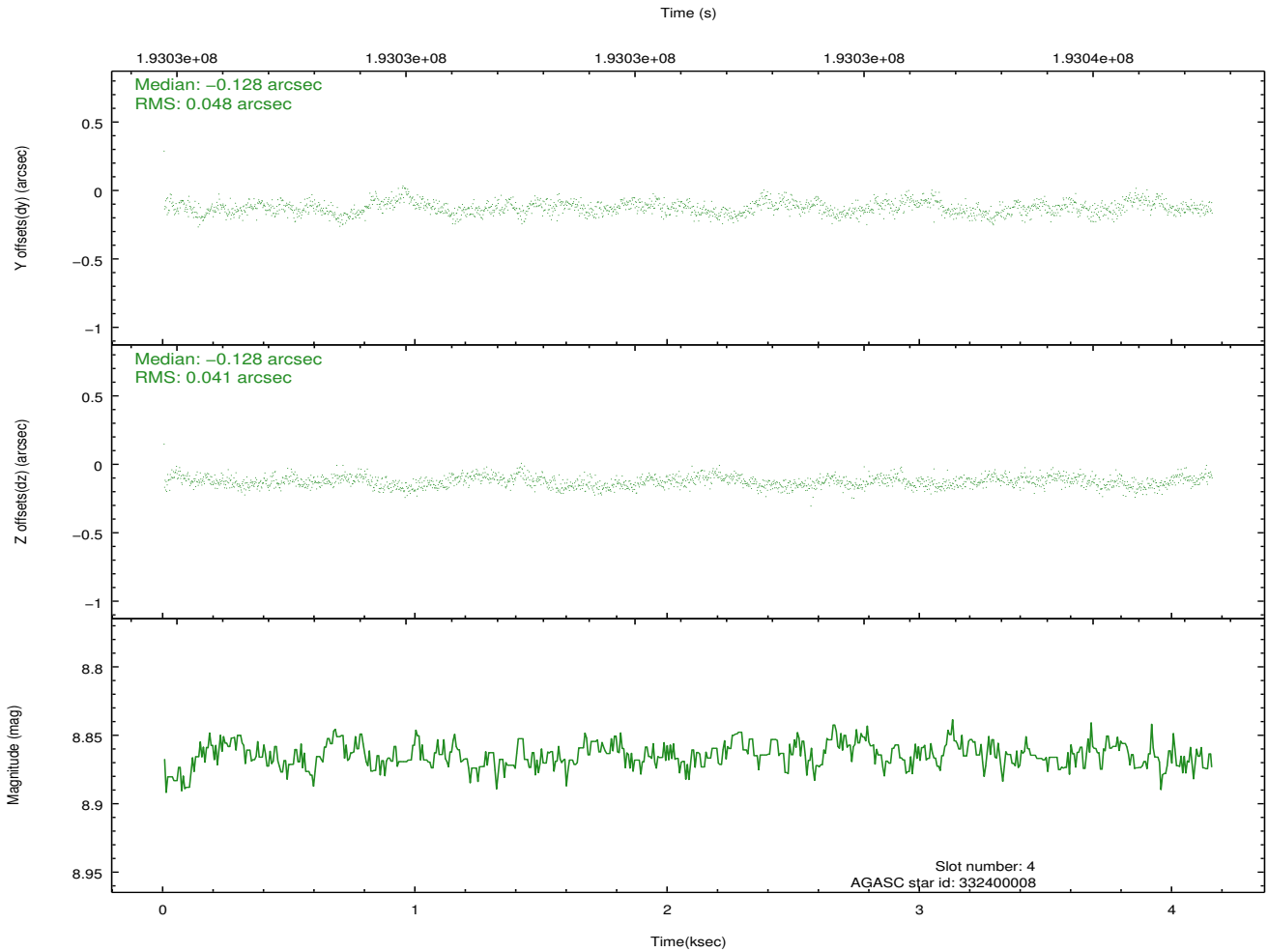
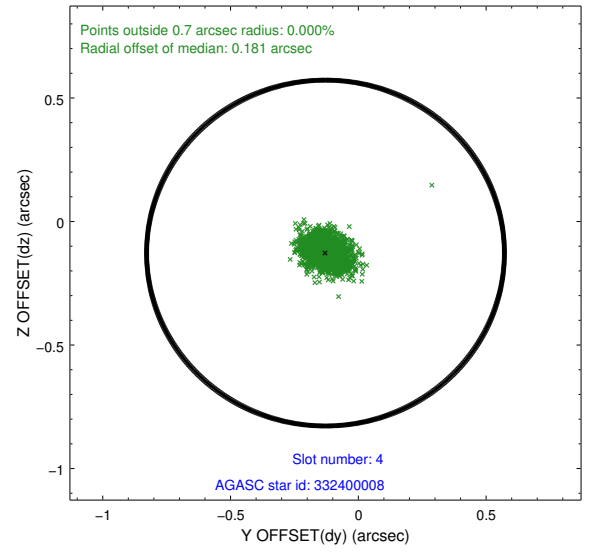
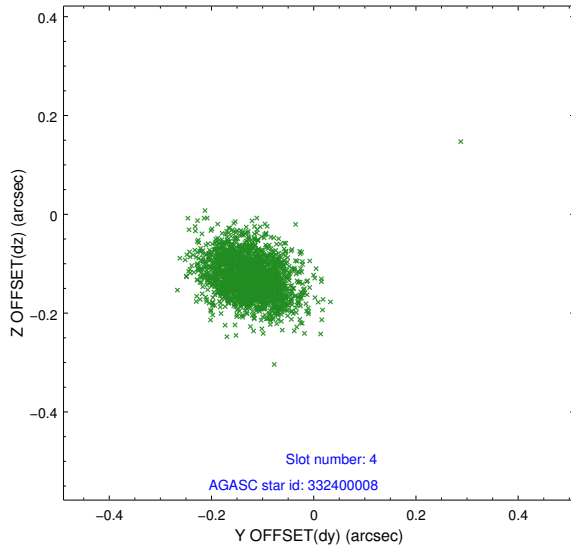
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1014	-0.032	-0.020	0.007	0.013	0.000000	0.000000	-760.05	-1732.70
1	FID	ACIS-S-4	7.20	1014	0.048	0.003	0.006	0.011	0.000000	0.000000	2152.61	174.29
2	FID	ACIS-S-6	7.34	1014	-0.044	0.024	0.007	0.012	0.000000	0.000000	403.82	813.39
3	GUIDE	262670784	10.06	2026	0.186	0.117	0.109	0.180	204.019229	29.380395	-1665.59	-1787.24
4	GUIDE	332400008	8.86	2027	-0.128	-0.128	0.065	0.109	203.197774	30.321360	1883.89	545.53
5	GUIDE	332405440	9.28	2028	-0.037	0.111	0.077	0.127	203.646221	30.318610	1780.78	-842.89
6	GUIDE	332407376	8.95	2028	-0.022	-0.191	0.064	0.104	203.382617	30.157623	1258.07	13.04
7	GUIDE	332407408	9.06	2025	0.007	0.094	0.070	0.111	203.759056	30.144515	1132.29	-1151.92

## 2.4 Star Slots

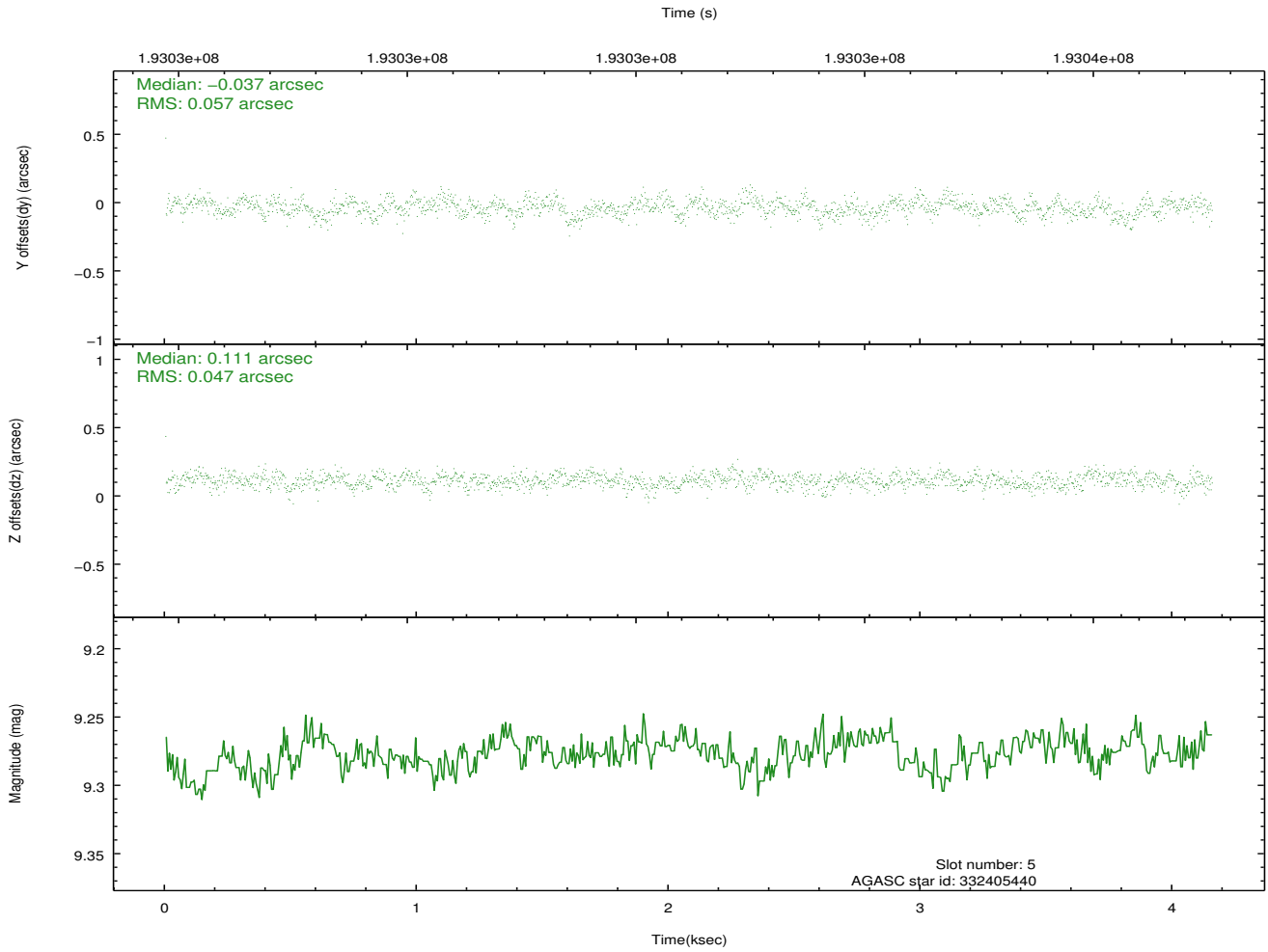
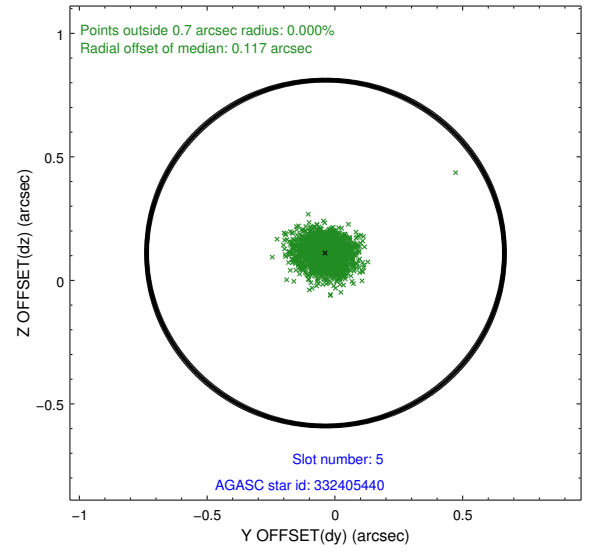
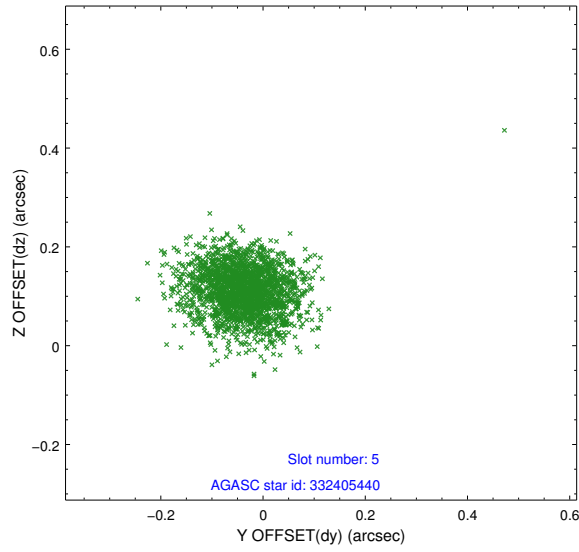
### 2.4.1 Slot 3



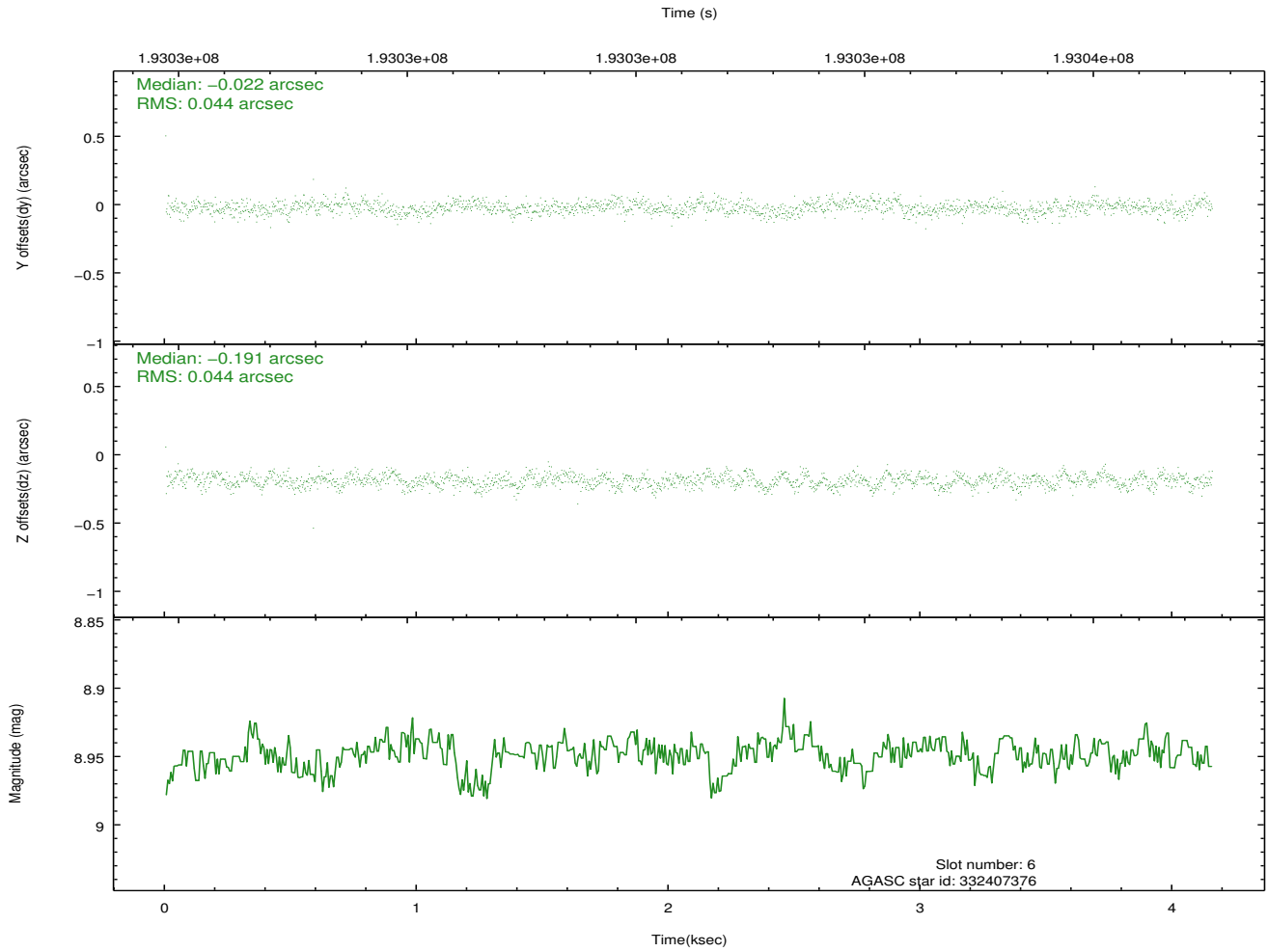
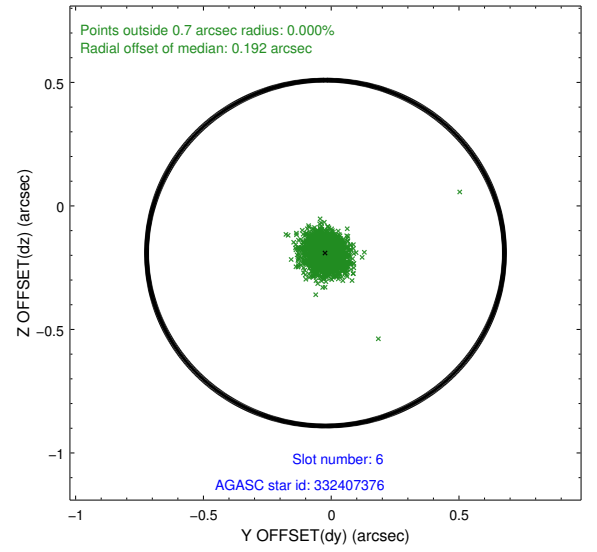
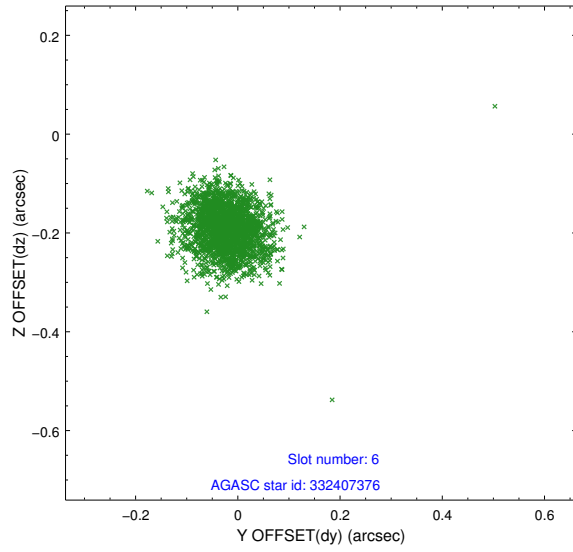
## 2.4.2 Slot 4



### 2.4.3 Slot 5

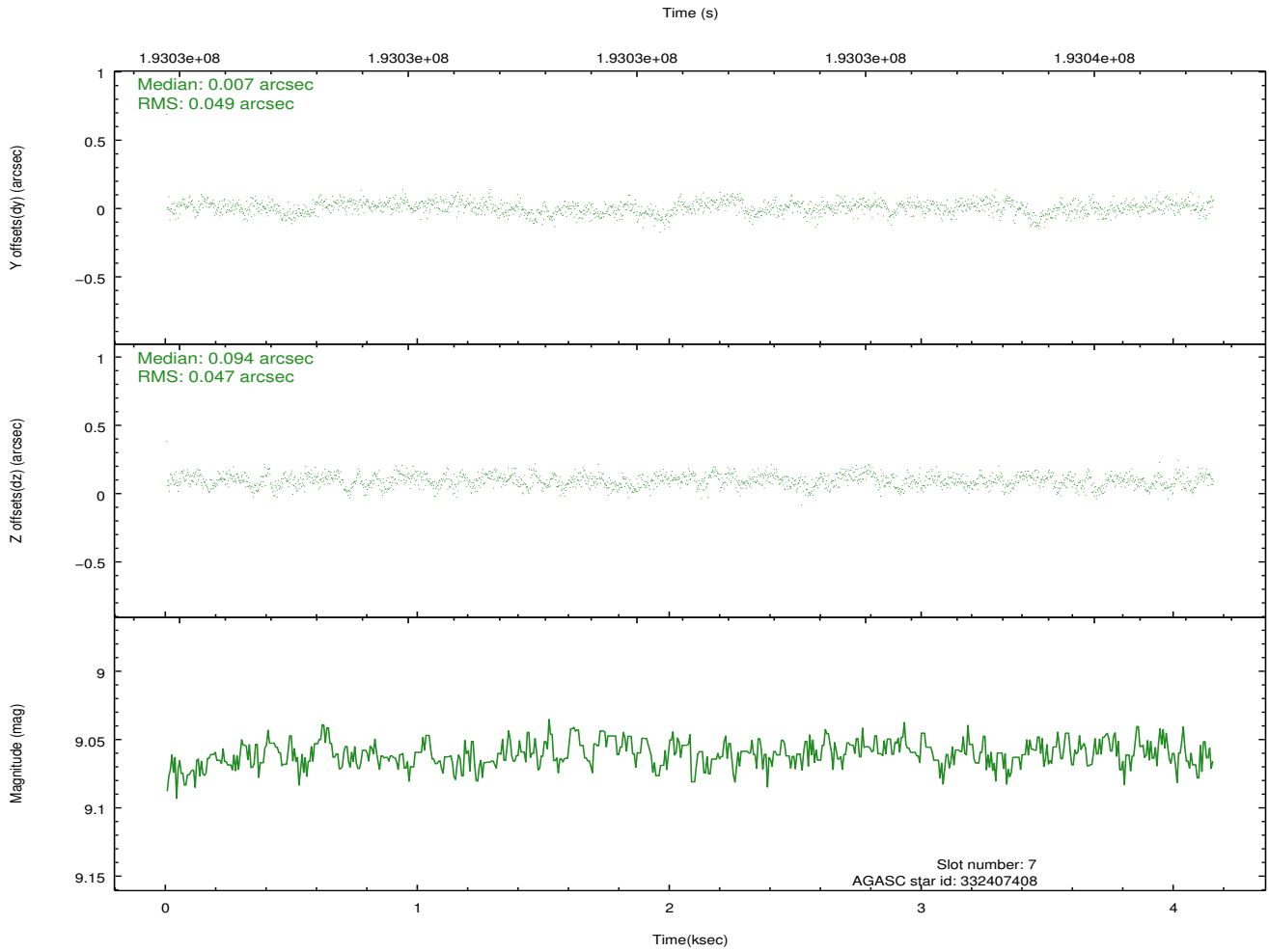
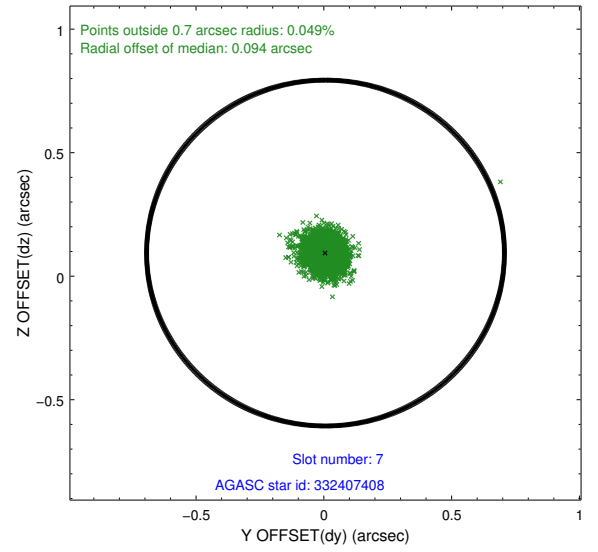
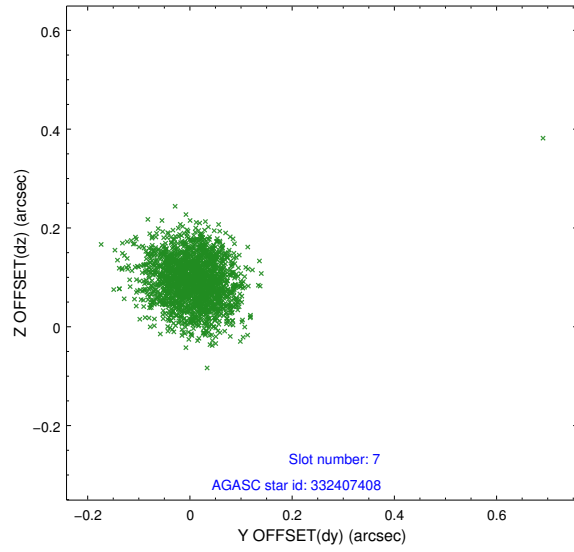


## 2.4.4 Slot 6



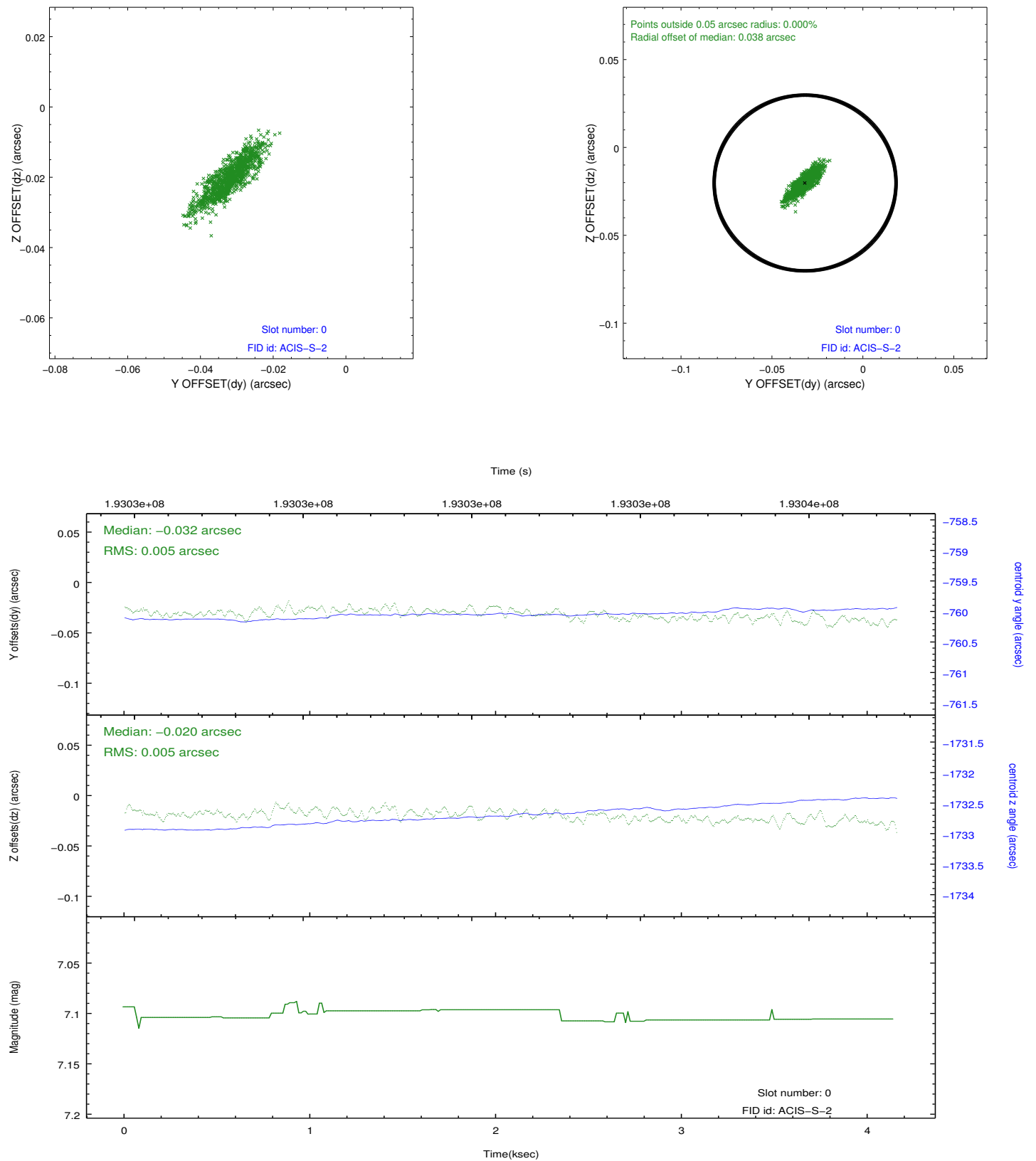


## 2.4.5 Slot 7

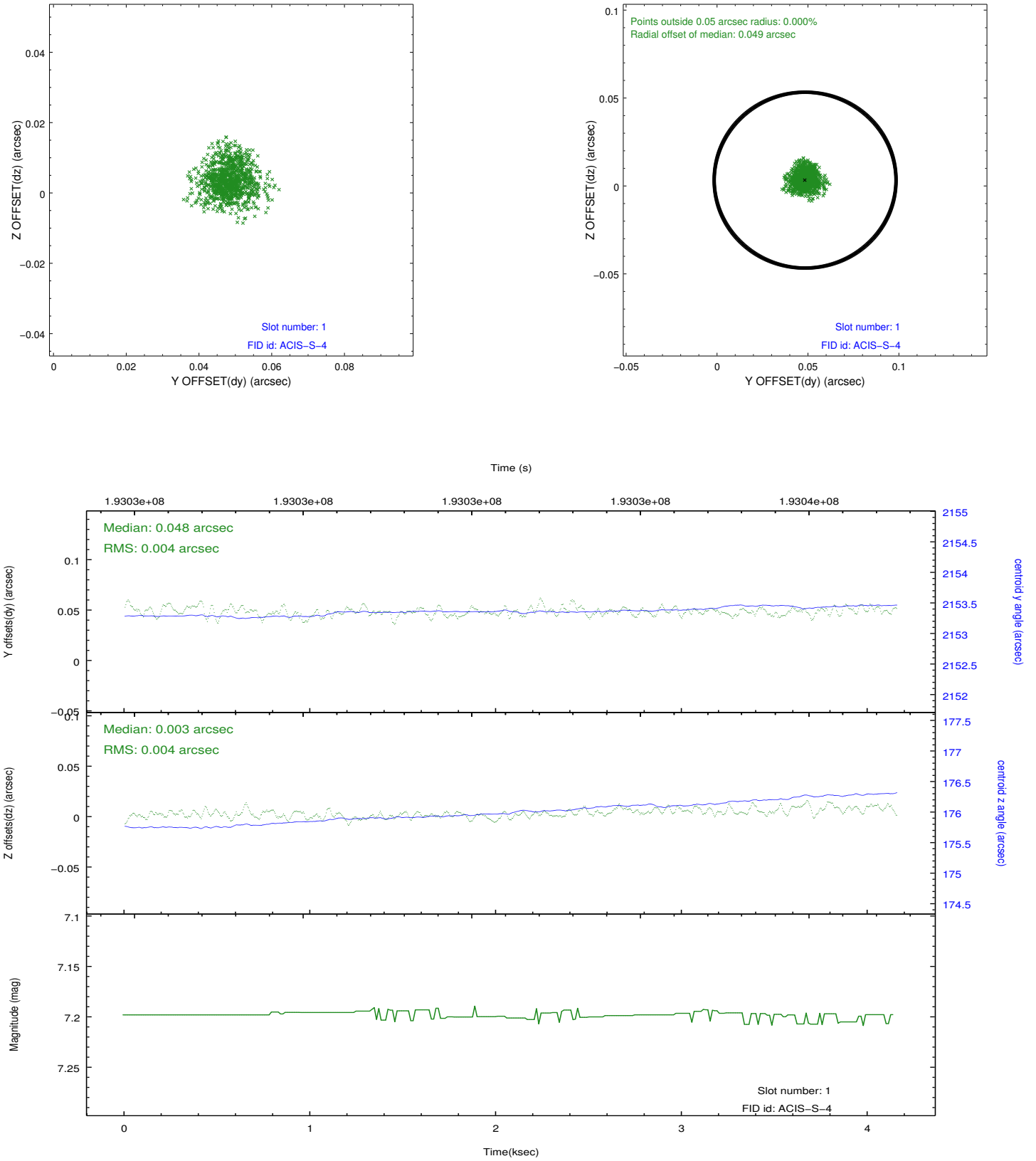


## 2.5 FID Slots

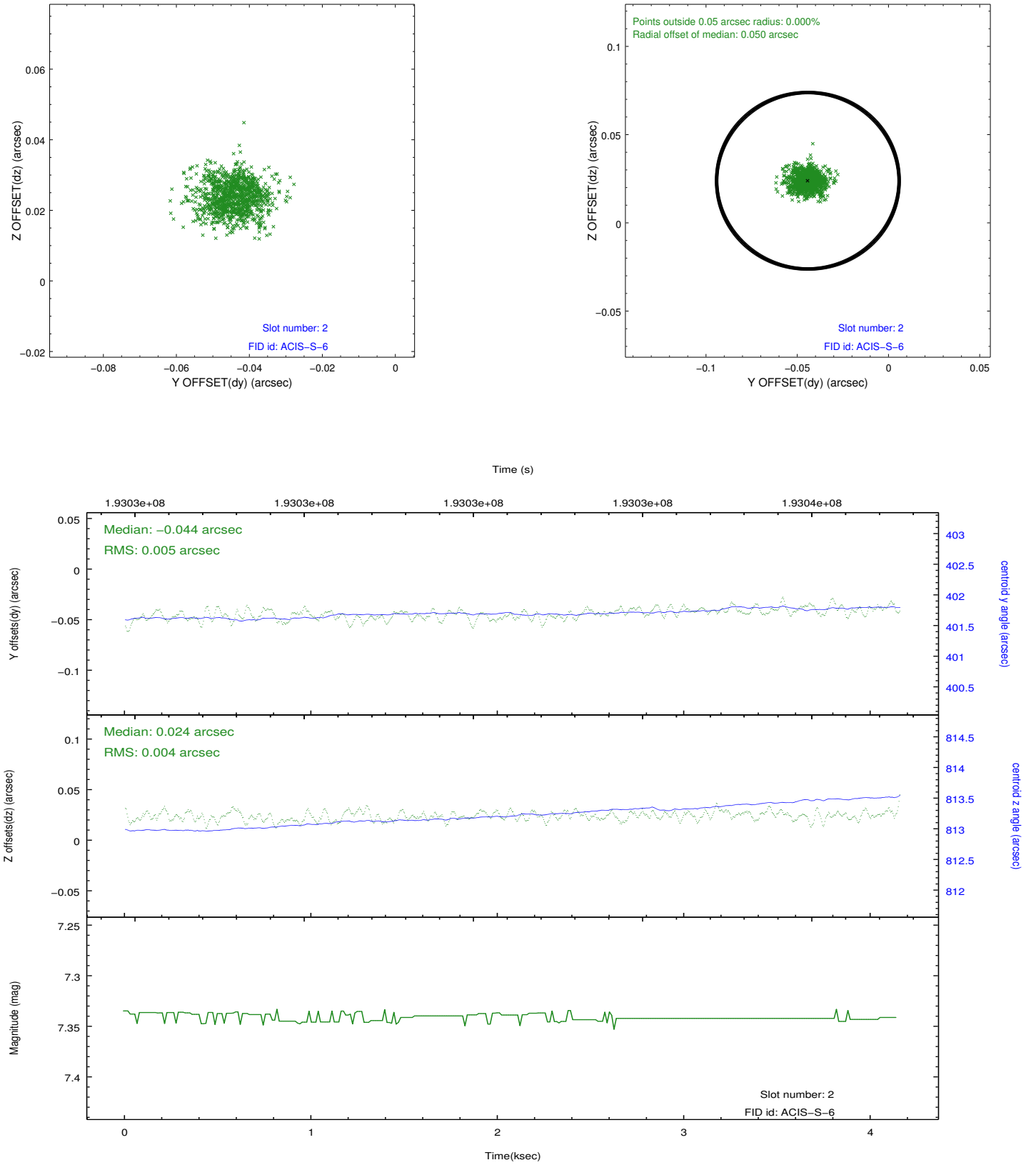
### 2.5.1 Slot 0



## 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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.149

### A.2 Comments