

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10391 - L2 Version 2  
Chandra X-Ray Center

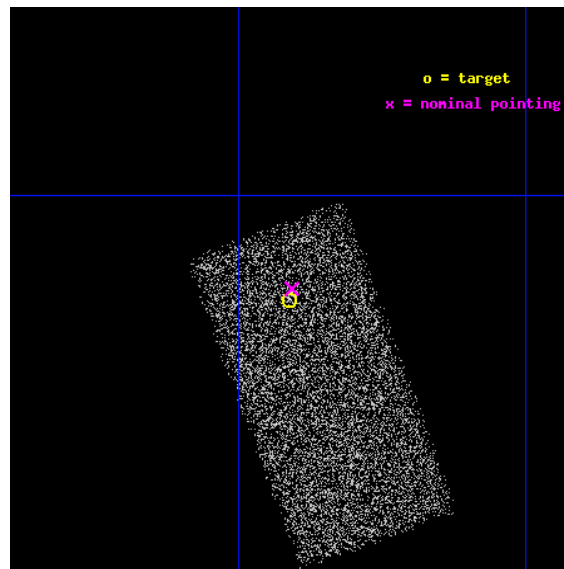
L2 Processing Date : May 31 2012

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# 1 Front

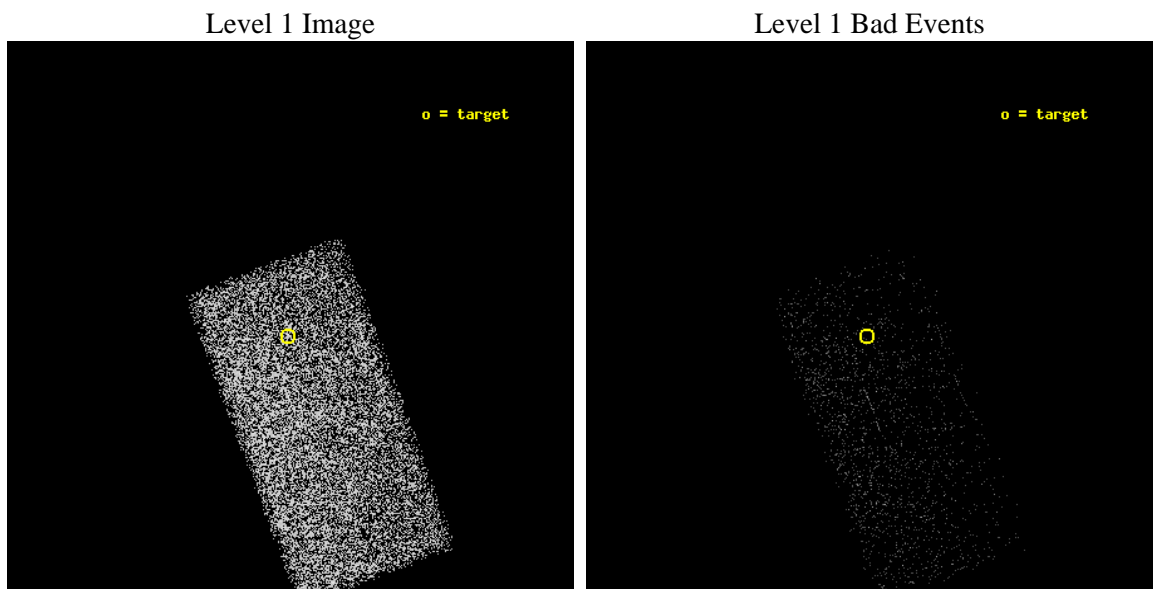
seq_num	701934	Sequence number
obs_id	10391	Observation id
title	A Complete Census of AGN Activity in Luminous Infrared Galaxies	Pr
observer	Dr David Alexander	Principal investigator
object	NGC4418	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.727917	Observer's specified target RA [deg]
dec_targ	-0.87825	Observer's specified target Dec [deg]
ra_nom	186.72687621753	Nominal RA [deg]
dec_nom	-0.87348182277351	Nominal Dec [deg]
roll_nom	69.498245000508	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5827.5	Sum of GTIs [s]
livetime	5672.3057156206	Livetime [s]
ontime7	5827.5	Sum of GTIs [s]
l2events	11830	Number of level 2 events



## 2 OBI

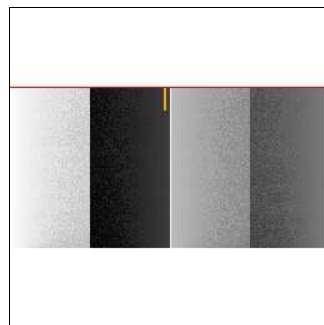
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5827.5	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	5827.5	Sum of GTIs [s]
date	2012-05-31T14:13:11	Date and time of file creation	l1events	28070	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	28070
rejected events	15826
rejected %	56%

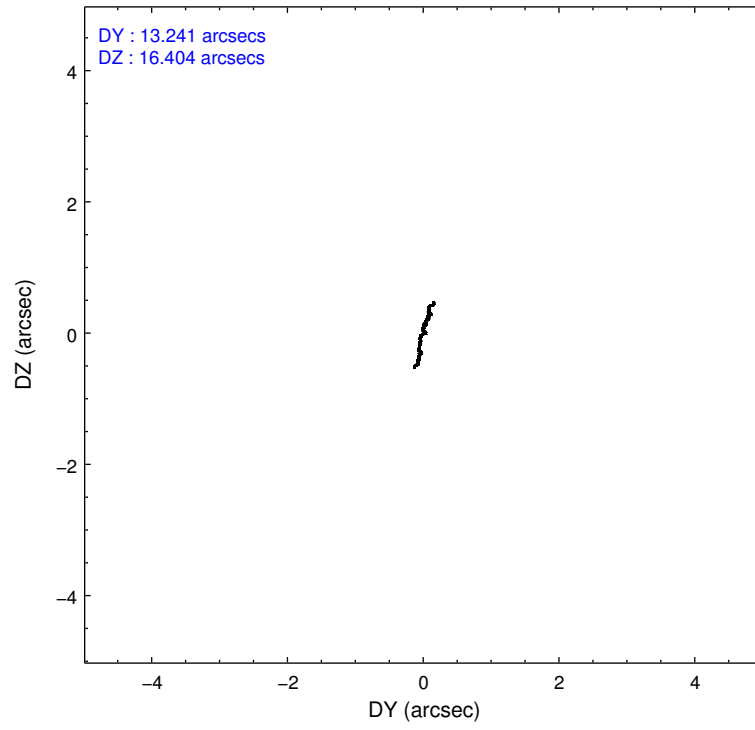
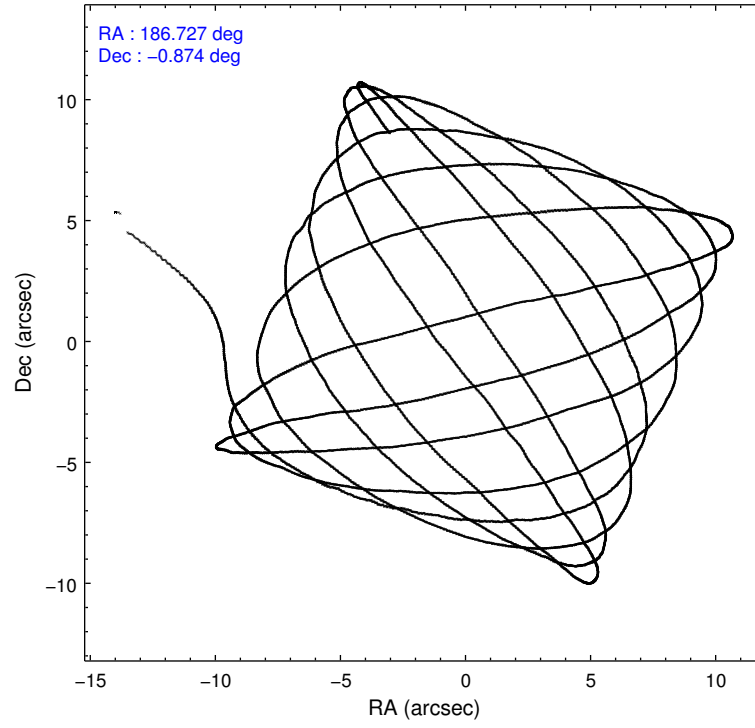
	<b>ccd 7</b>
grade 0 events	1635
	5%
grade 1 events	40
	0%
grade 2 events	3151
	11%
grade 3 events	1534
	5%
grade 4 events	1476
	5%
grade 5 events	3073
	10%
grade 6 events	6740
	24%
grade 7 events	10421
	37%

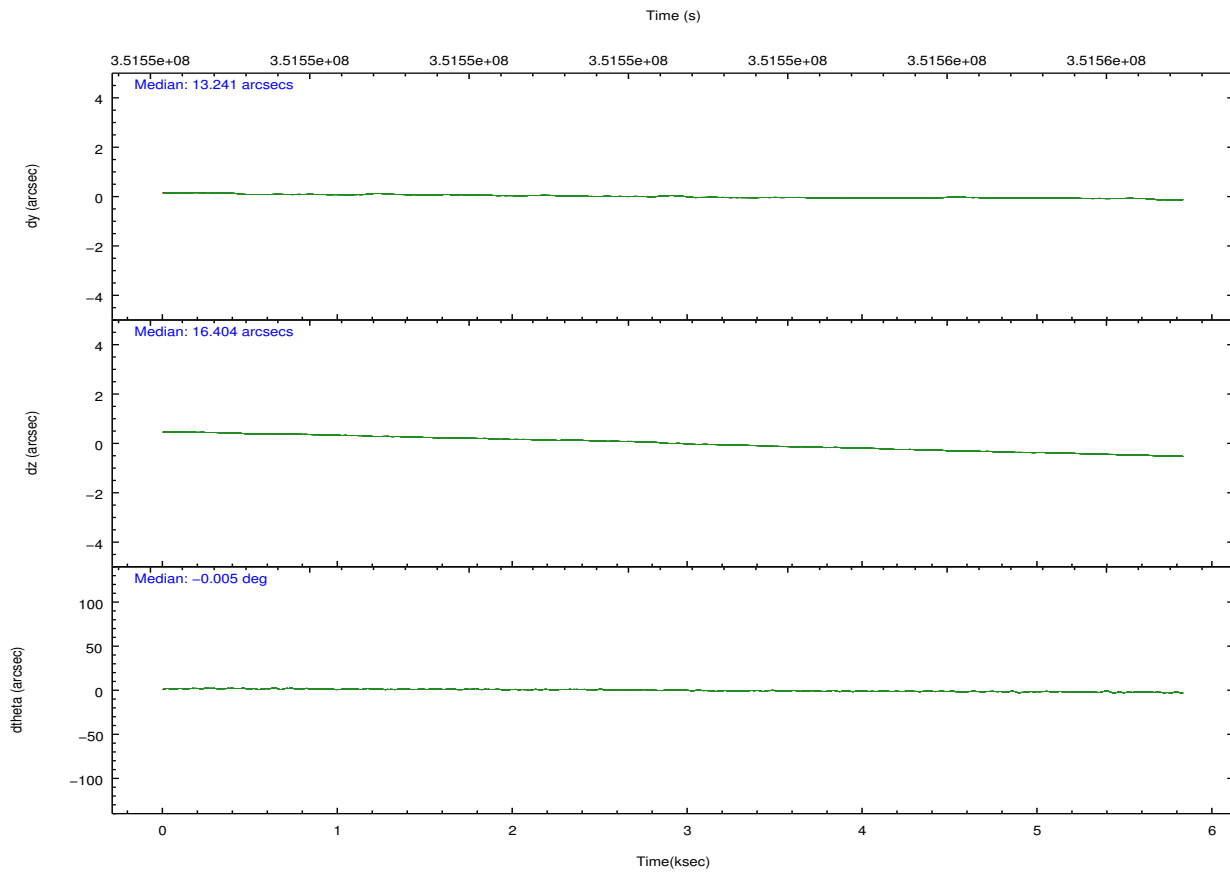
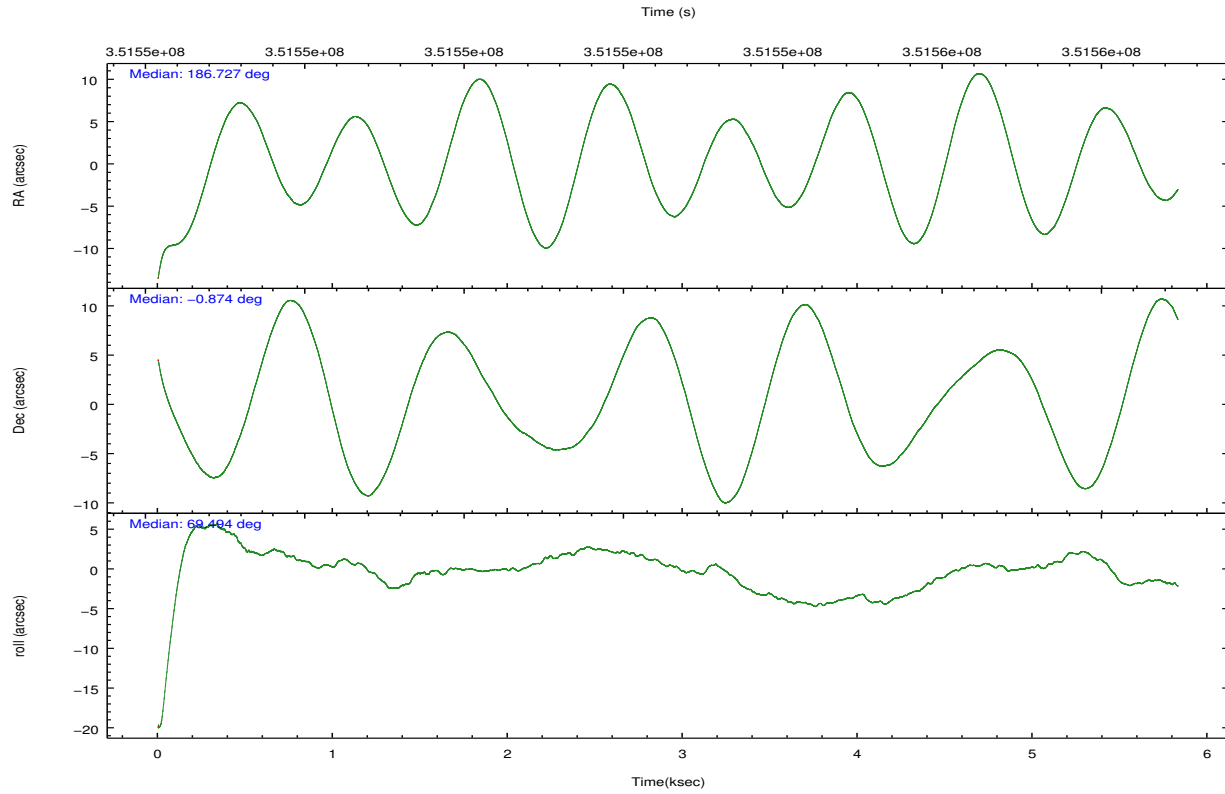


## 2.2 Compared Parameters

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.731858	186.7268762175279	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-0.900398	-0.8734818227735123	Subarray start row	257	257
[deg] Pointing Roll	69.341715	69.49824500050822	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	351550503.184000	351549273.17782			
Observation start date	2009-02-20T20:53:57	2009-02-20T20:34:33			
[s] Observation end time (MET)	351556203.184000	351556687.51569			
Observation end date	2009-02-20T22:28:57	2009-02-20T22:38:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect



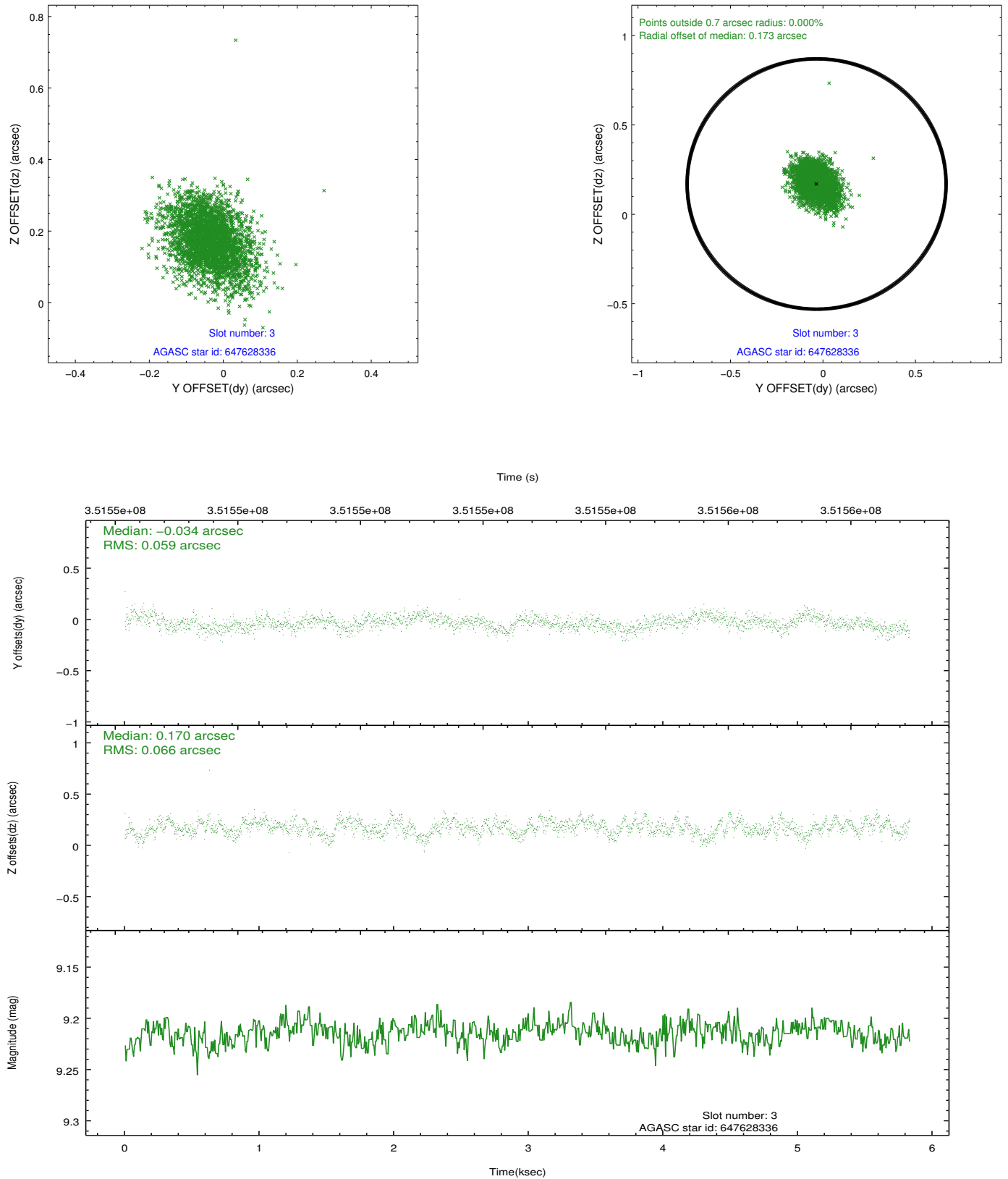


### Slot Statistics

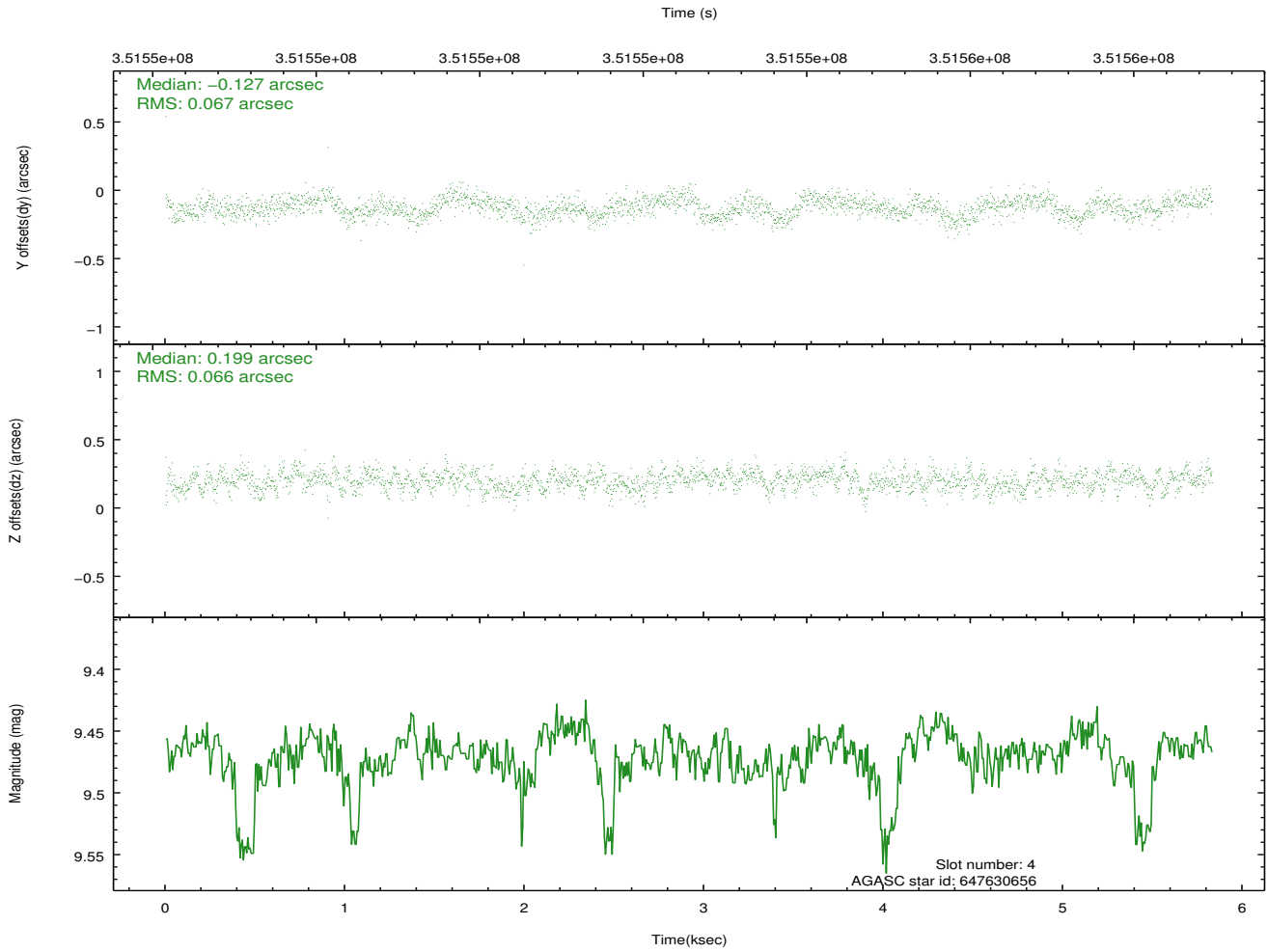
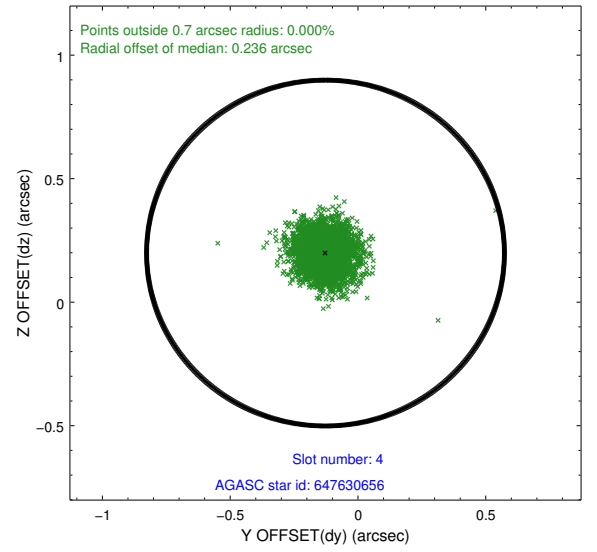
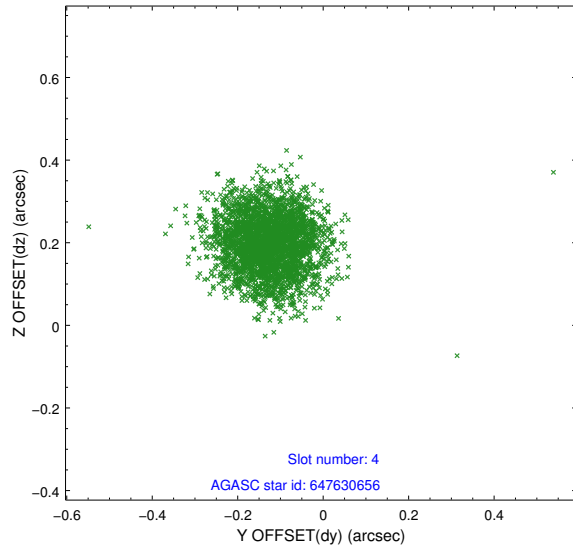
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	1423	0.061	-0.072	0.013	0.021	0.000000	0.000000	929.91	-1733.53
1	FID	ACIS-S-4	6.96	1423	0.109	0.026	0.007	0.011	0.000000	0.000000	2147.94	169.66
2	FID	ACIS-S-5	7.00	1422	-0.195	0.060	0.013	0.020	0.000000	0.000000	-1817.90	164.47
3	GUIDE	647628336	9.21	2841	-0.034	0.170	0.093	0.155	186.324925	-1.069909	-1087.66	1155.42
4	GUIDE	647630656	9.47	2844	-0.127	0.199	0.099	0.155	187.256425	-0.901543	662.09	-1767.55
5	GUIDE	647634336	9.61	2836	-0.027	-0.057	0.096	0.157	186.385613	-1.239359	-1581.07	734.87
6	GUIDE	647635072	9.49	2842	0.283	-0.097	0.127	0.229	187.100974	-1.198713	-536.50	-1621.88
7	GUIDE	647628352	9.44	2839	-0.096	-0.210	0.095	0.158	186.642249	-0.148810	2417.93	1255.66

## 2.4 Star Slots

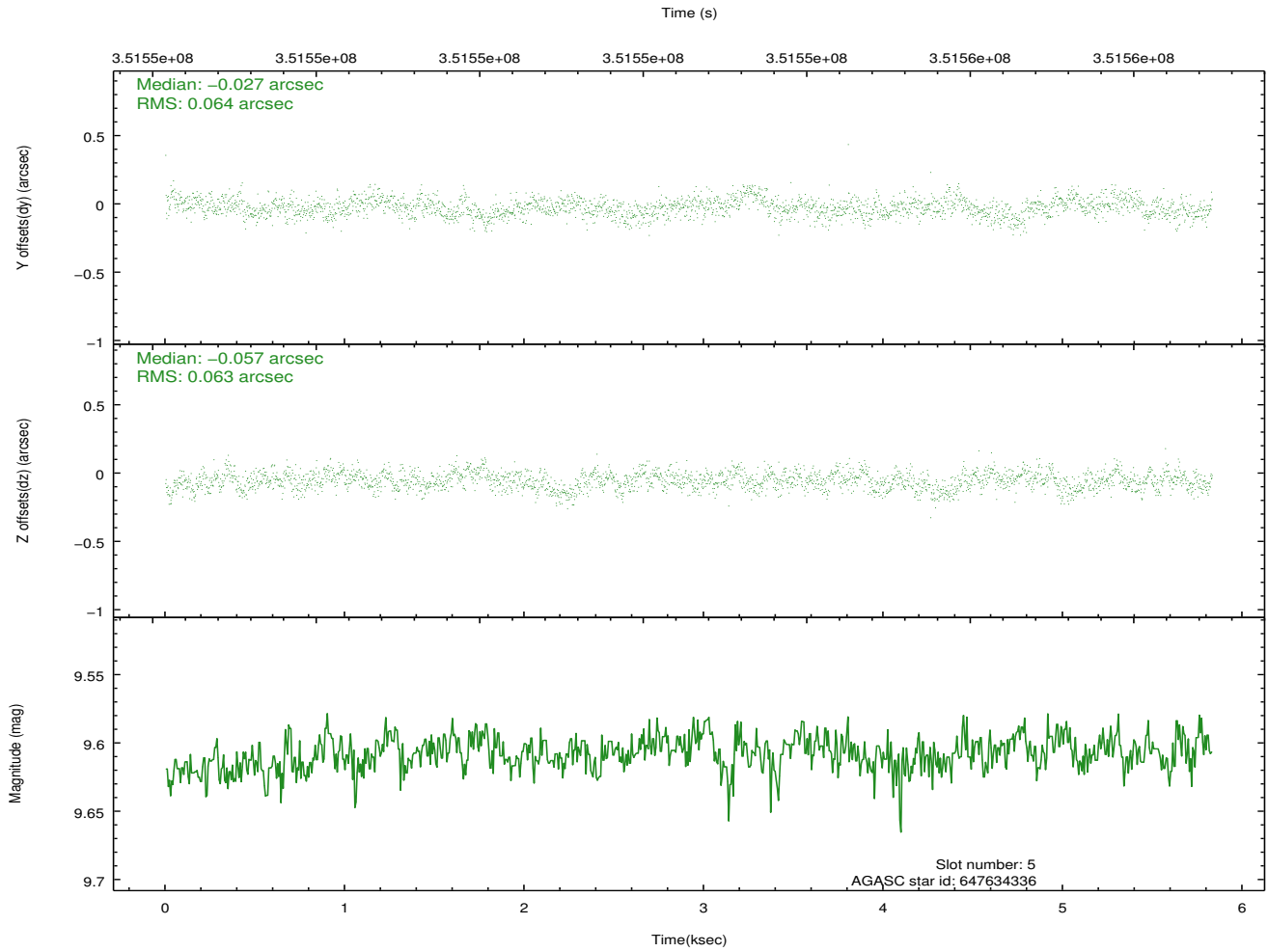
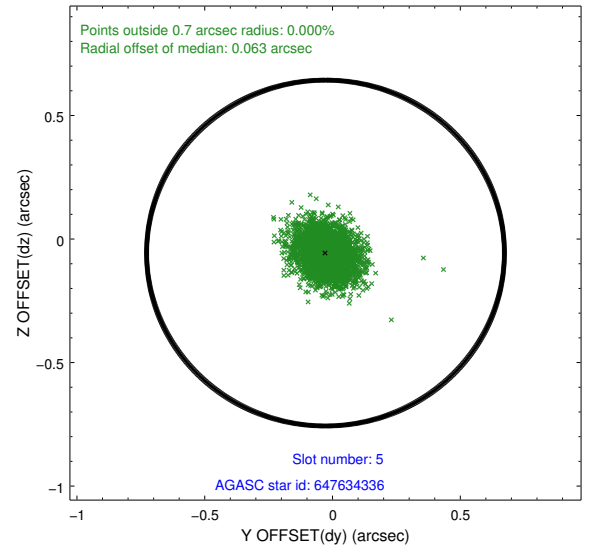
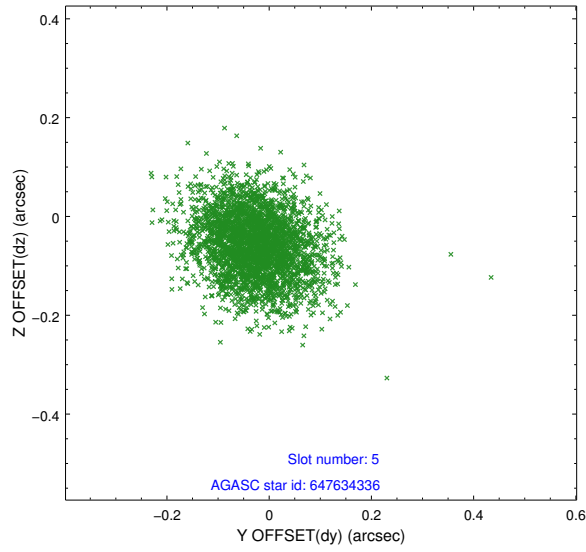
### 2.4.1 Slot 3



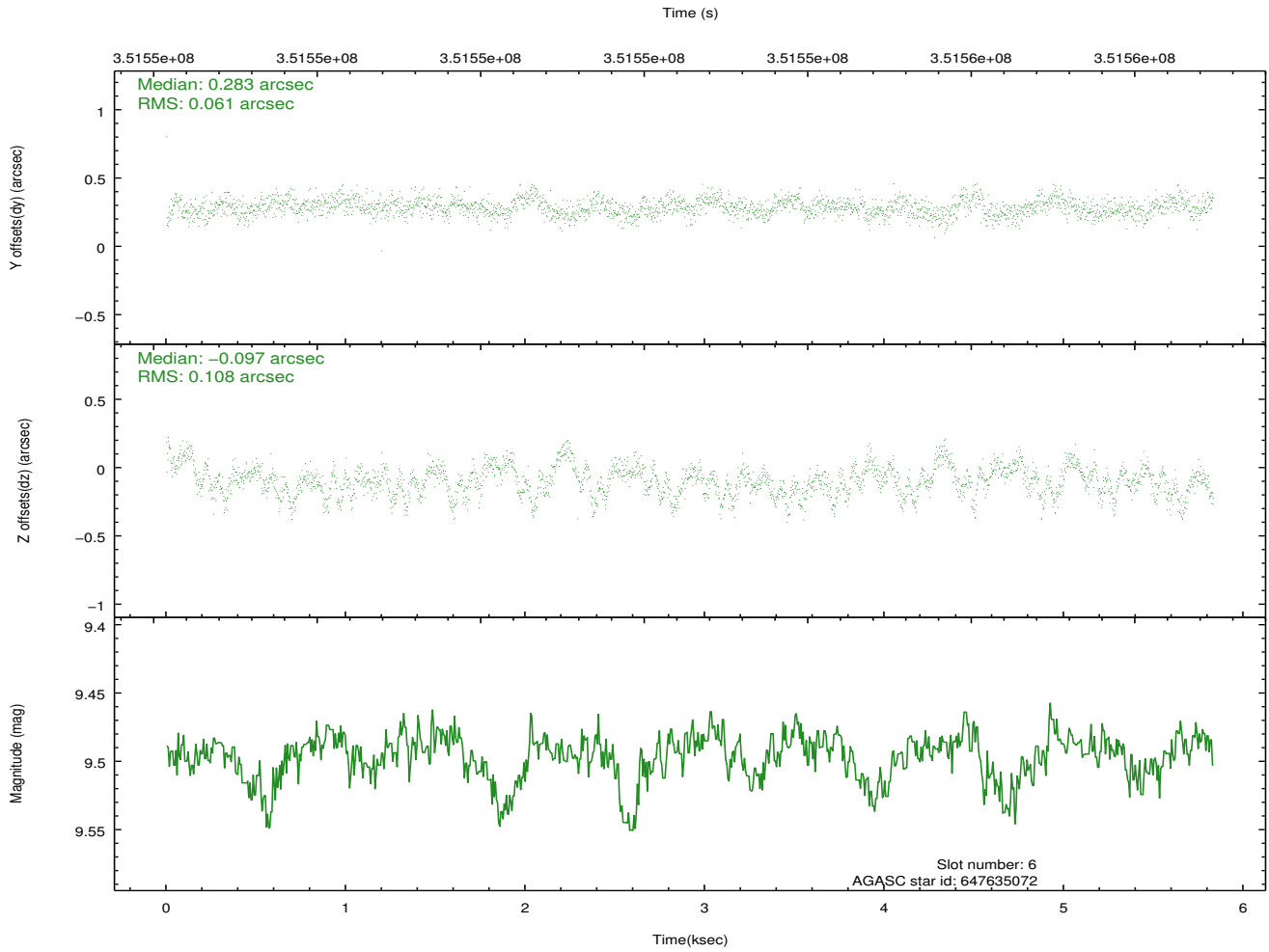
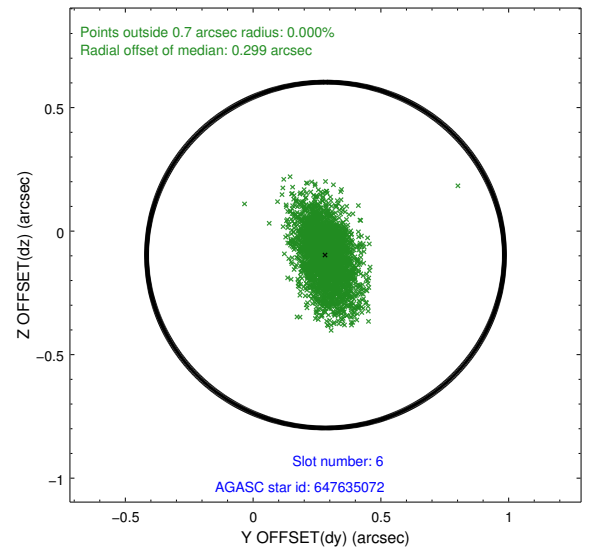
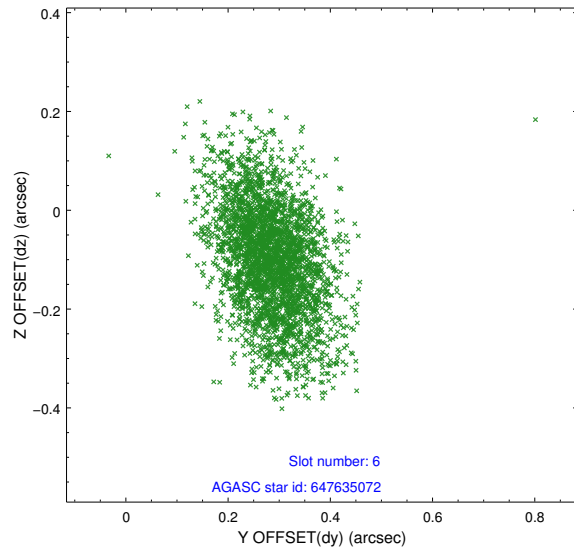
## 2.4.2 Slot 4



### 2.4.3 Slot 5

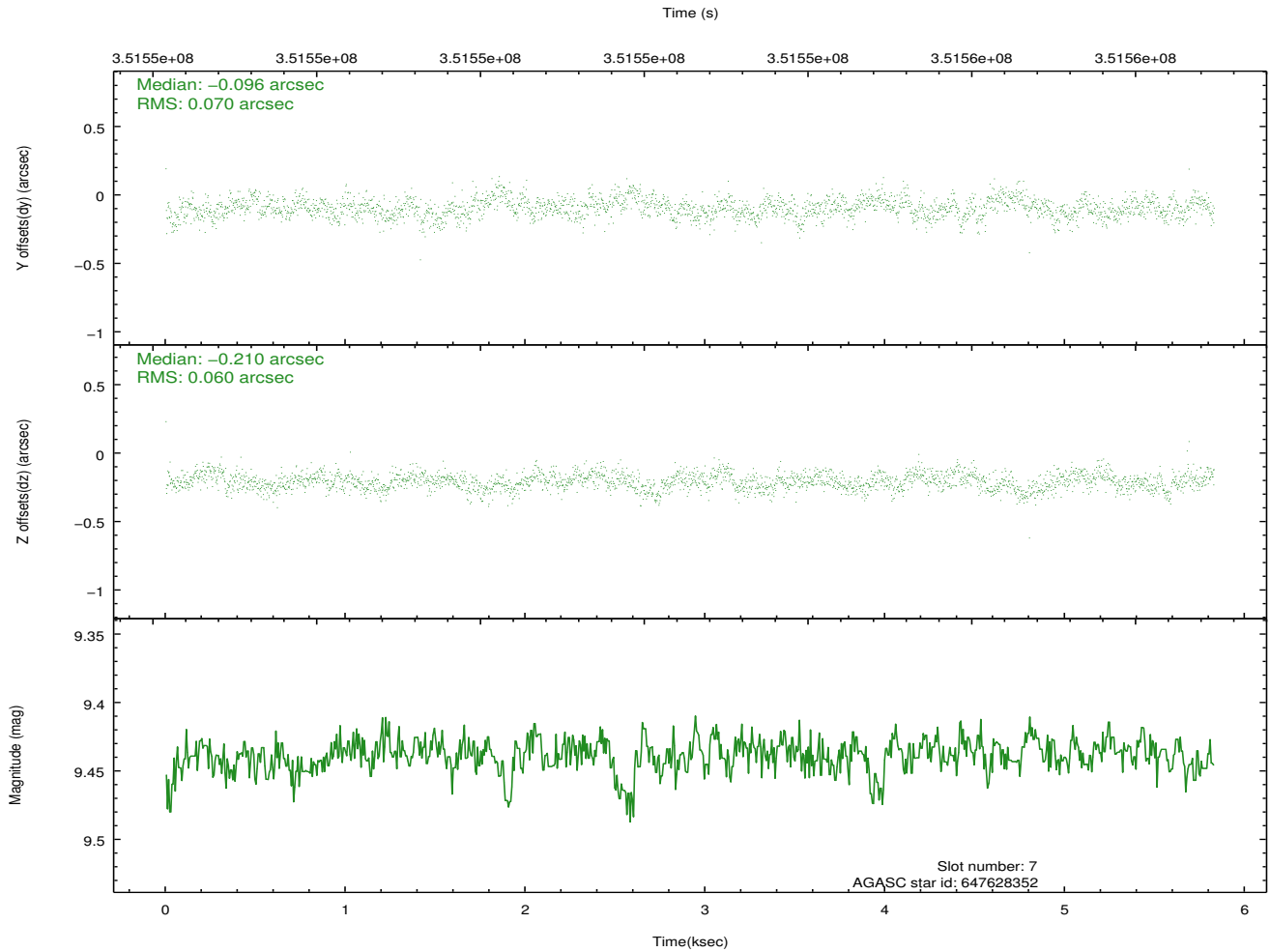
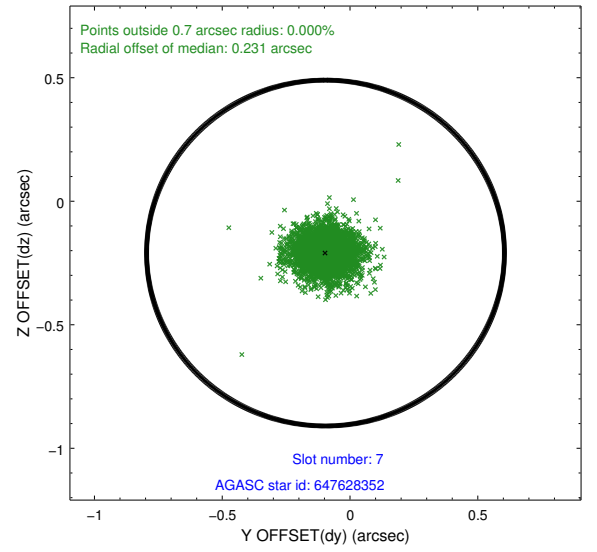
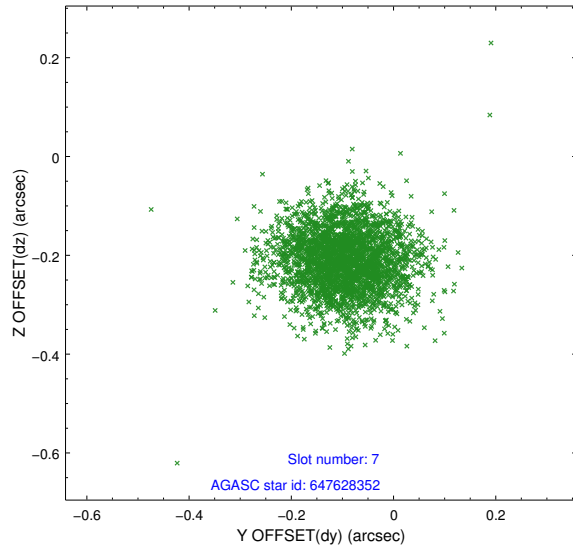


## 2.4.4 Slot 6



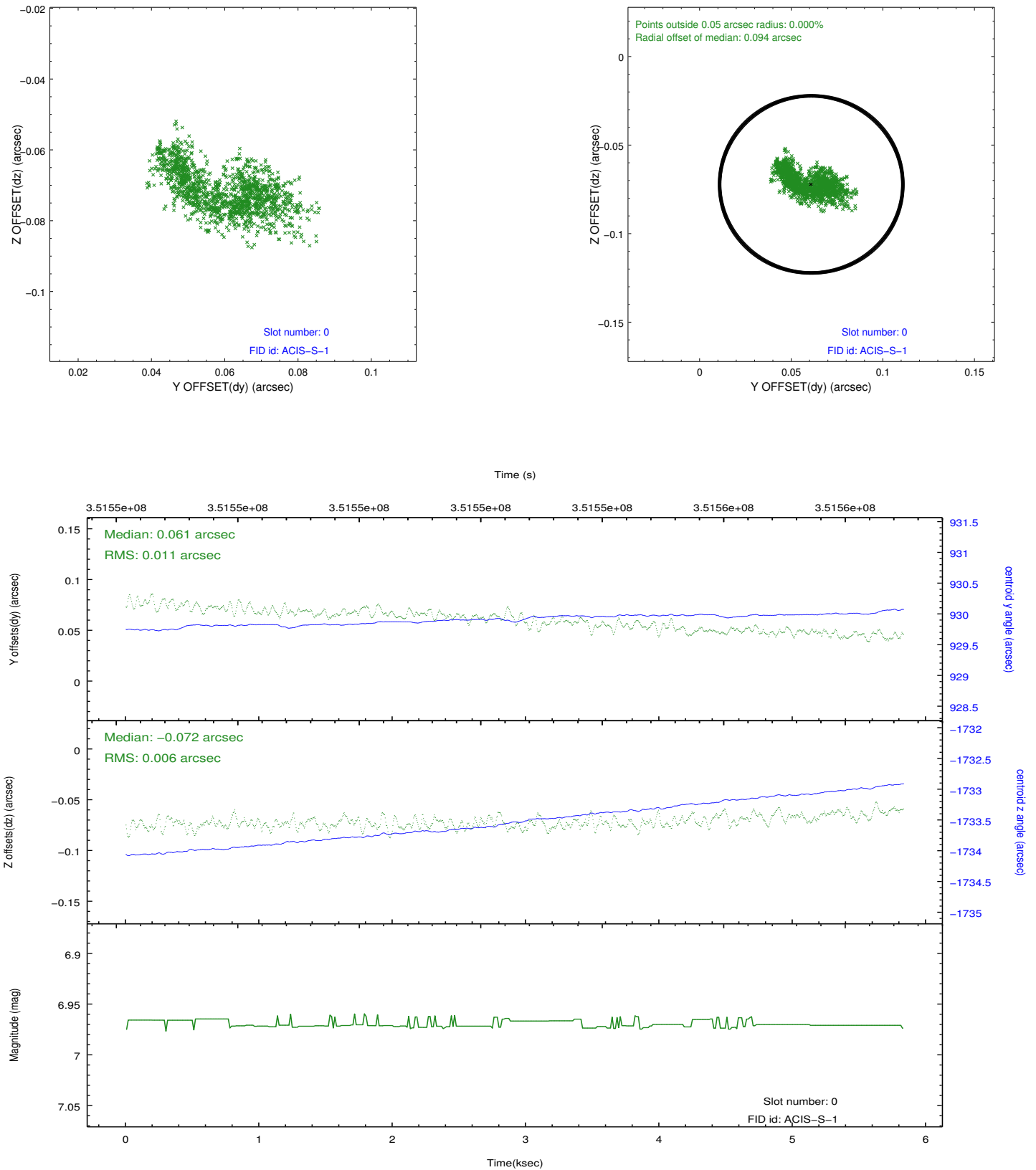


## 2.4.5 Slot 7

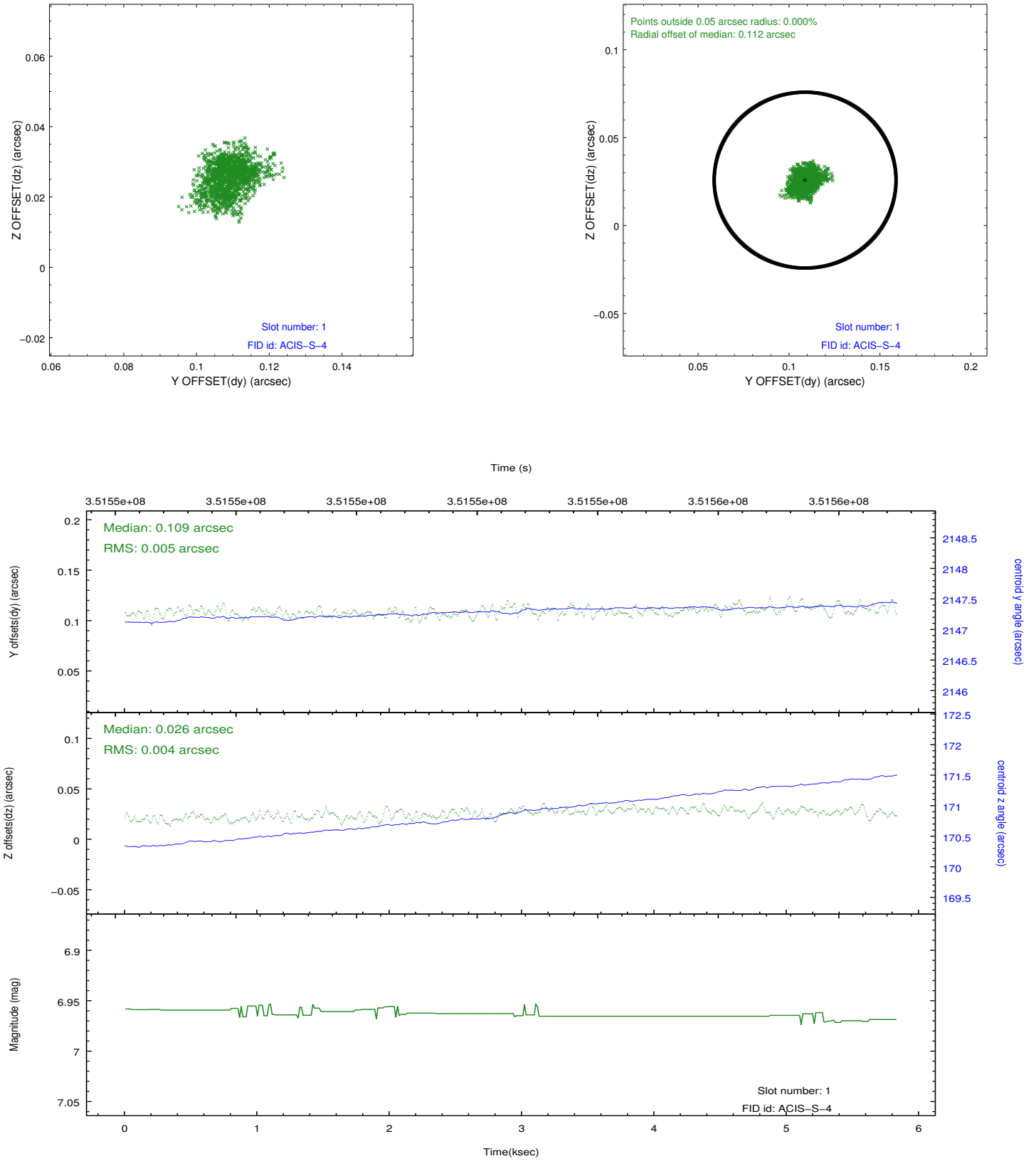


## 2.5 FID Slots

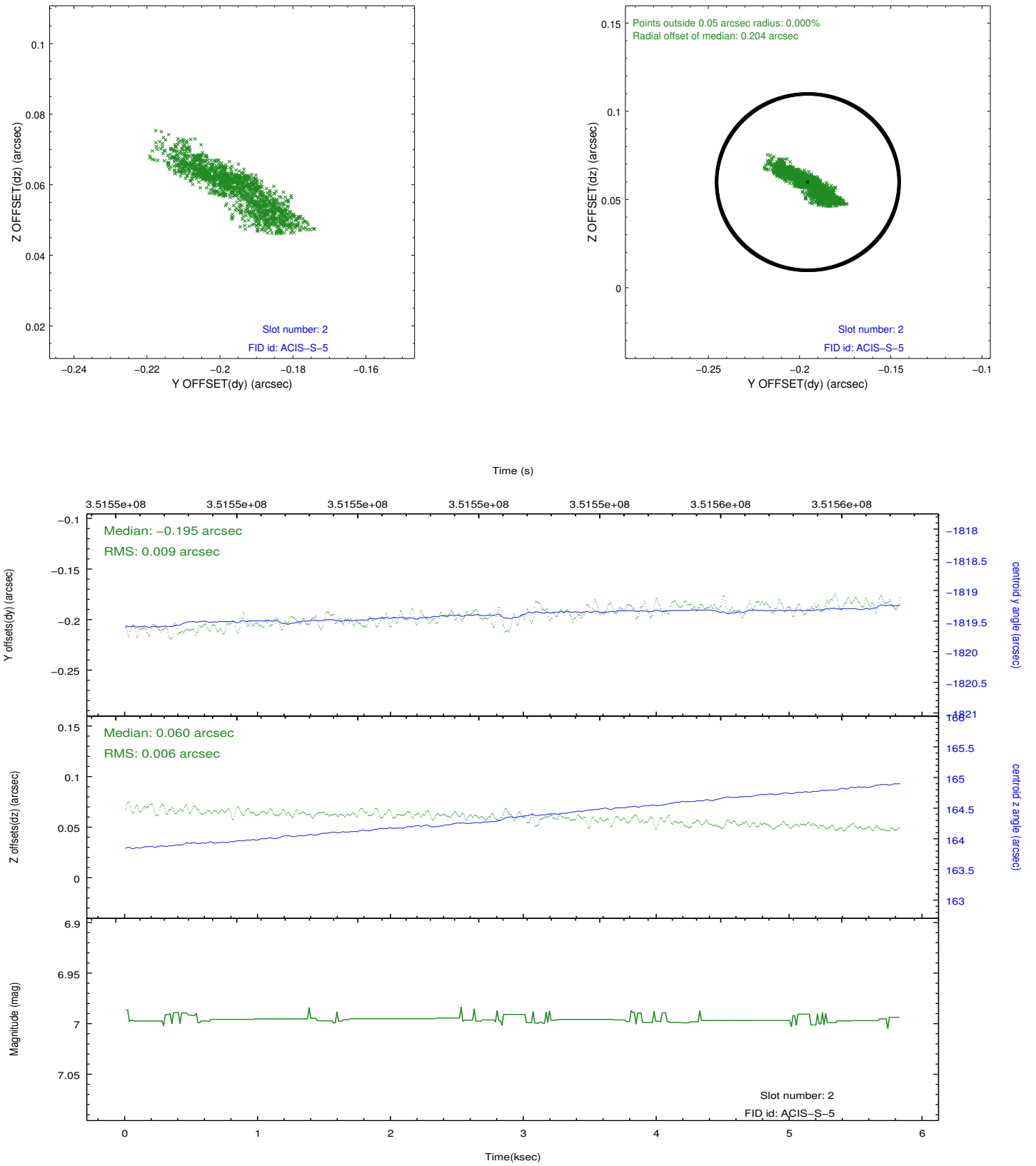
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.8275

### A.2 Comments