

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 857 - L2 Version 5  
Chandra X-Ray Center

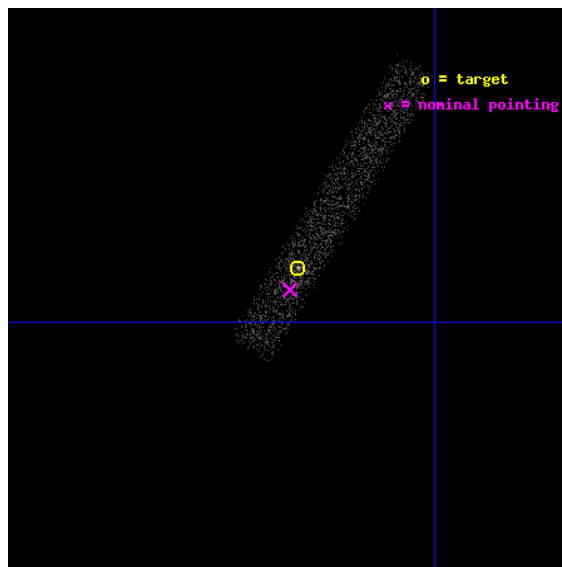
L2 Processing Date : Aug 25 2012

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# 1 Front

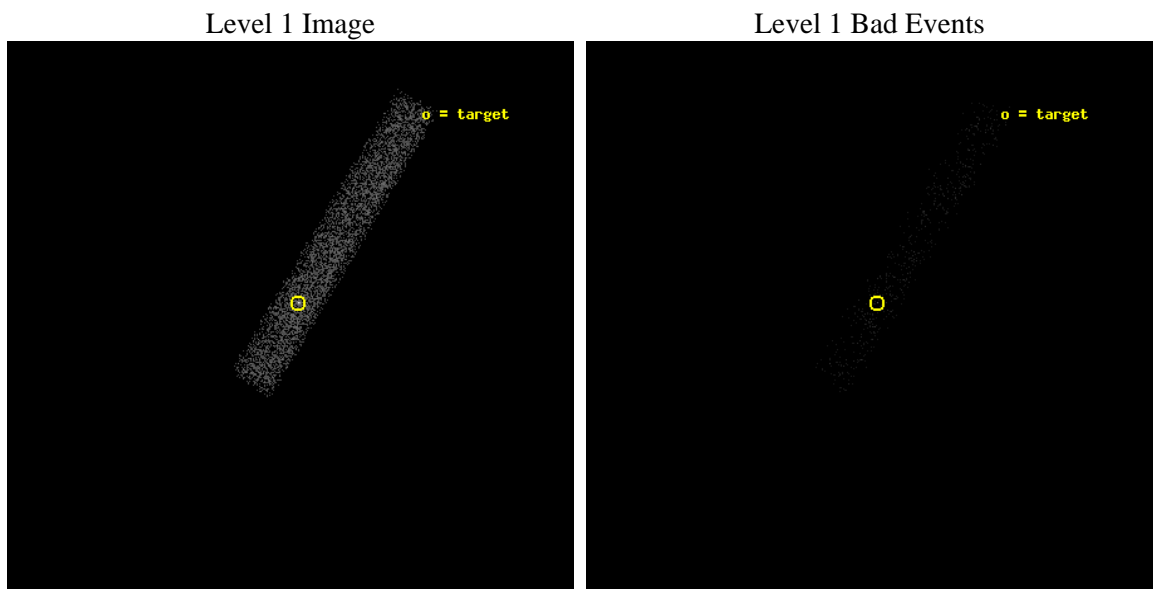
seq_num	700162	Sequence number
obs_id	857	Observation id
title	HUNTING THE AGN CORES IN FR1 RADIO GALAXIES	Proposal title
observer	Prof Diana Worrall	Principal investigator
object	B2 0331+39	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.577083	Observer's specified target RA [deg]
dec_targ	39.356583	Observer's specified target Dec [deg]
ra_nom	53.581589455145	Nominal RA [deg]
dec_nom	39.347177913418	Nominal Dec [deg]
roll_nom	300.80410426923	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5753.2000857294	Sum of GTIs [s]
livetime	5217.8487989564	Livetime [s]
ontime7	5753.2000857294	Sum of GTIs [s]
l2events	3654	Number of level 2 events



## 2 OBI

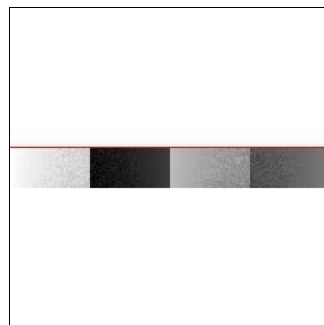
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5753.2000857294	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime7	5753.2000857294	Sum of GTIs [s]
date	2012-08-25T02:46:28	Date and time of file creation	l1events	8451	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	8451
rejected events	4670
rejected %	55%

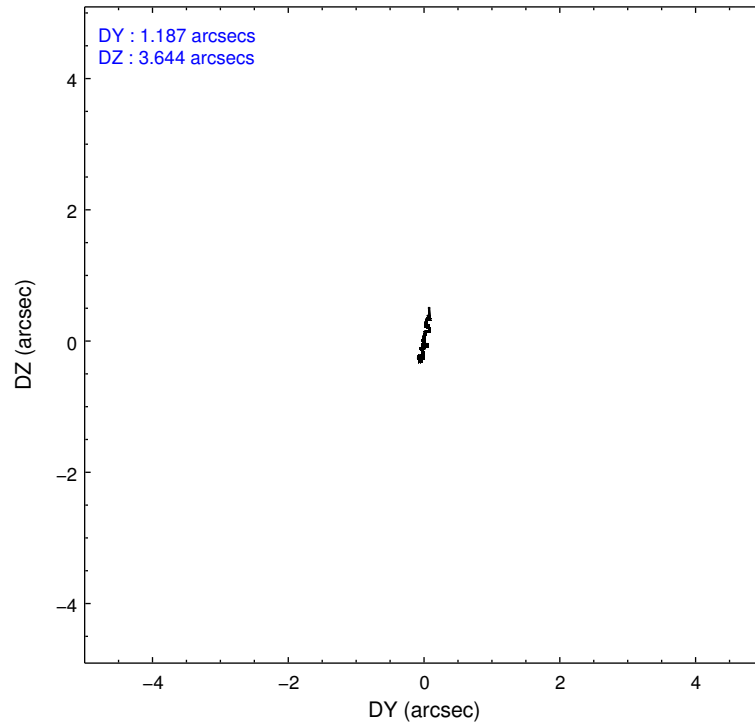
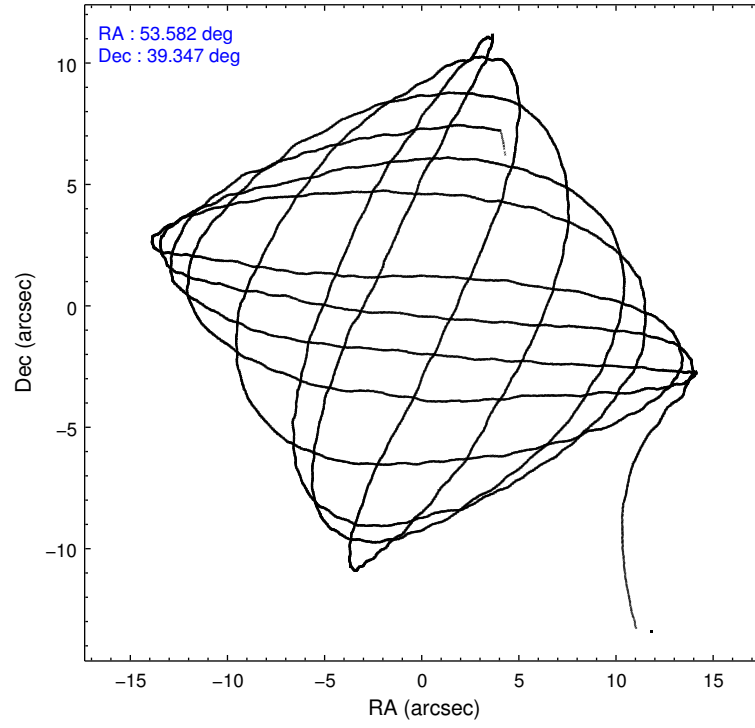
	<b>ccd 7</b>
grade 0 events	710
	8%
grade 1 events	11
	0%
grade 2 events	883
	10%
grade 3 events	600
	7%
grade 4 events	592
	7%
grade 5 events	707
	8%
grade 6 events	1704
	20%
grade 7 events	3244
	38%

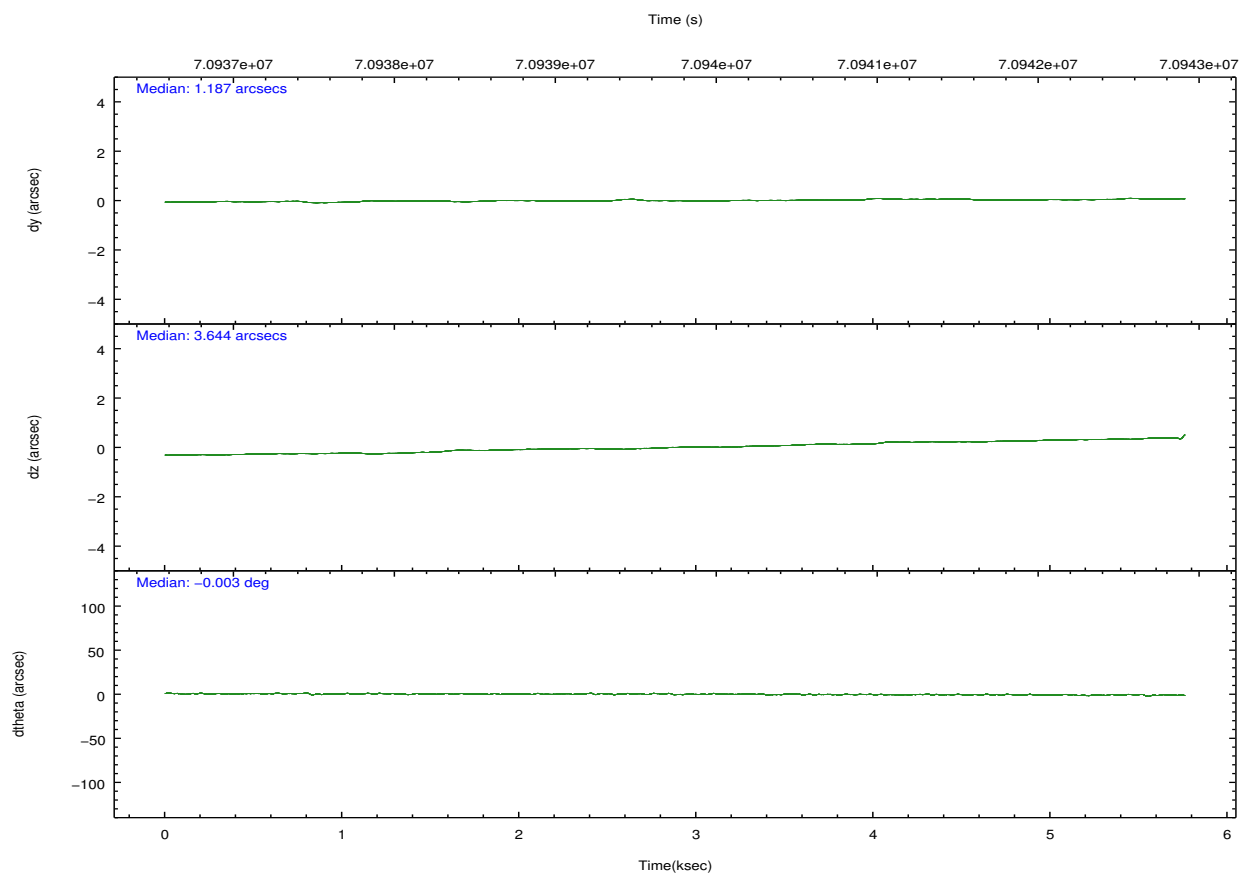
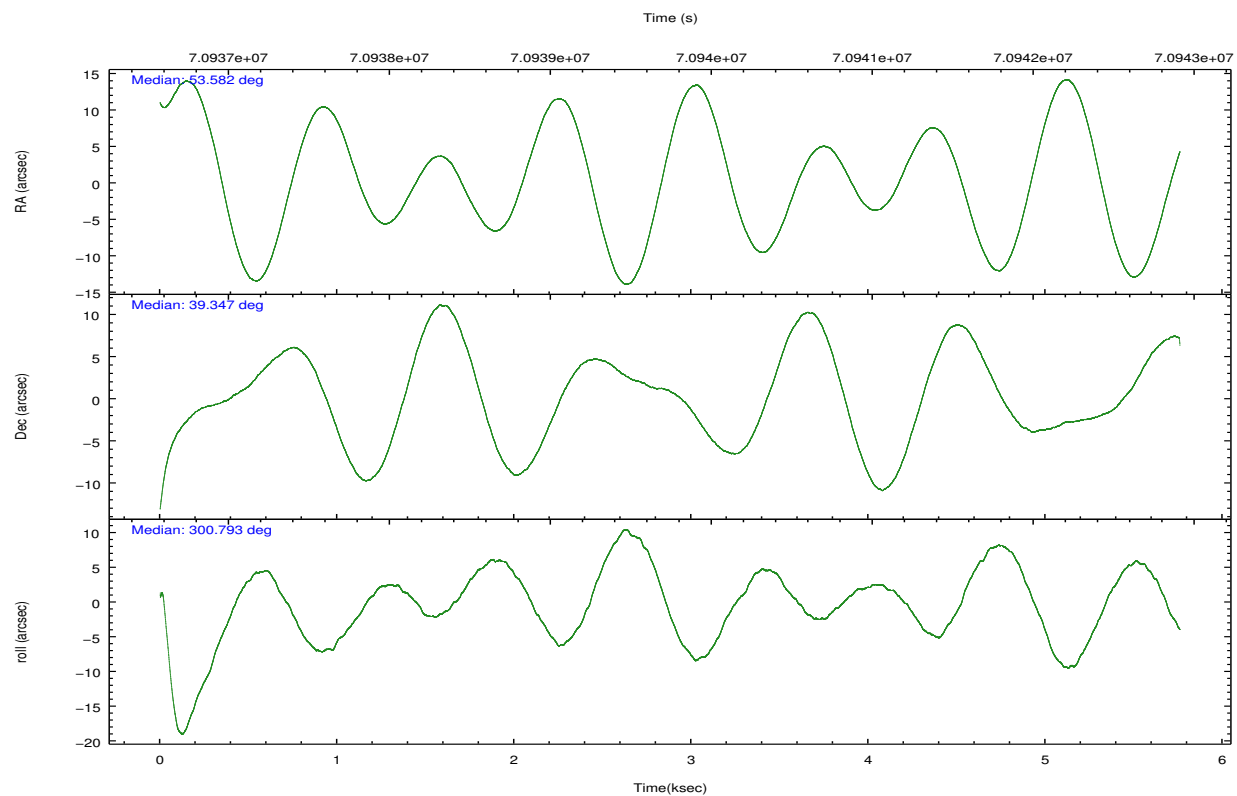


## 2.2 Compared Parameters

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	53.550532	53.58158945514492	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.360492	39.34717791341755	Subarray start row	449	449
[deg] Pointing Roll	300.667137	300.8041042692325	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	70937321.184000	70935816.700865			
Observation start date	2000-04-01T00:47:37	2000-04-01T00:23:36			
[s] Observation end time (MET)	70942621.184000	70942898.42612401			
Observation end date	2000-04-01T02:15:57	2000-04-01T02:21:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



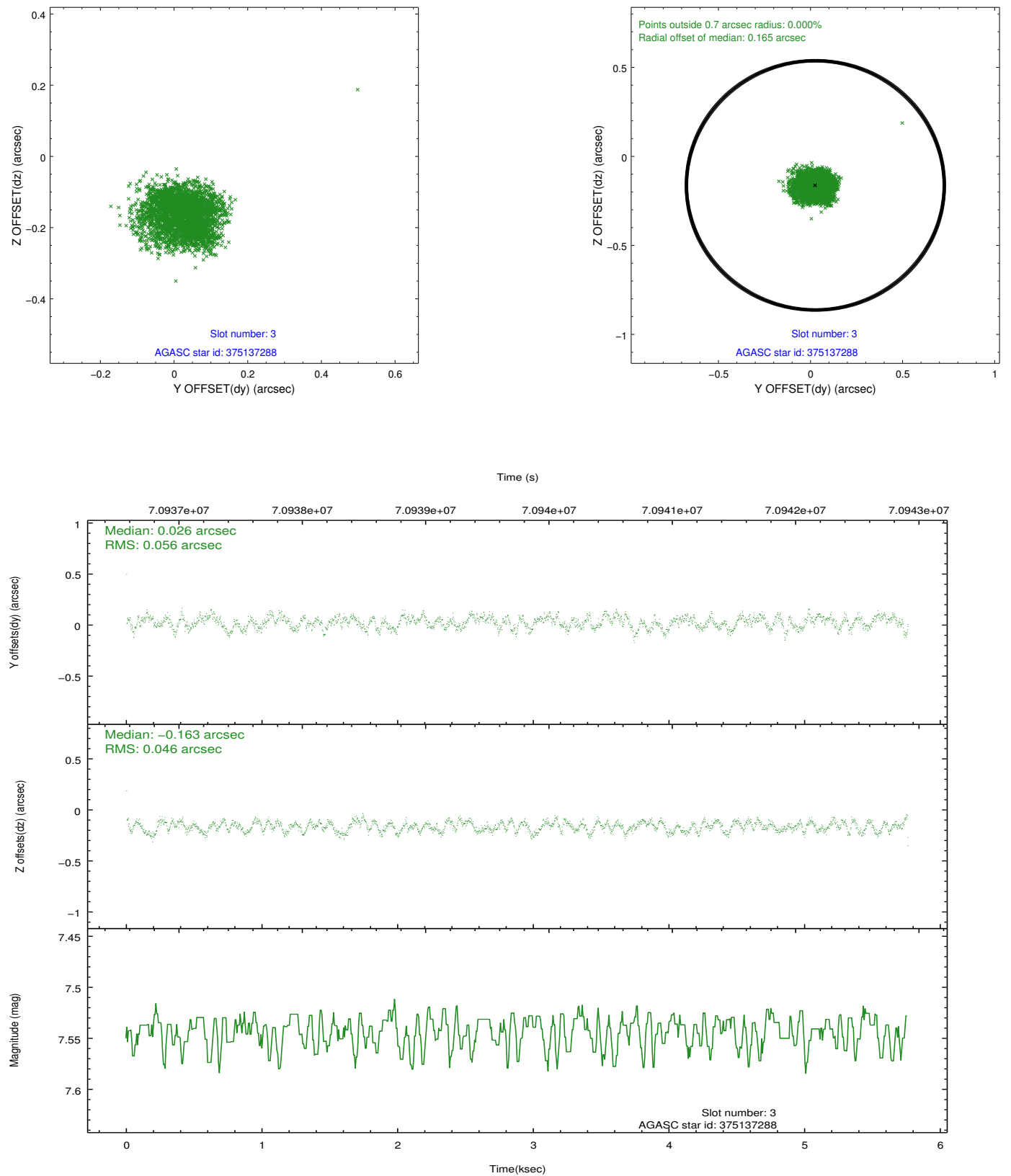


### Slot Statistics

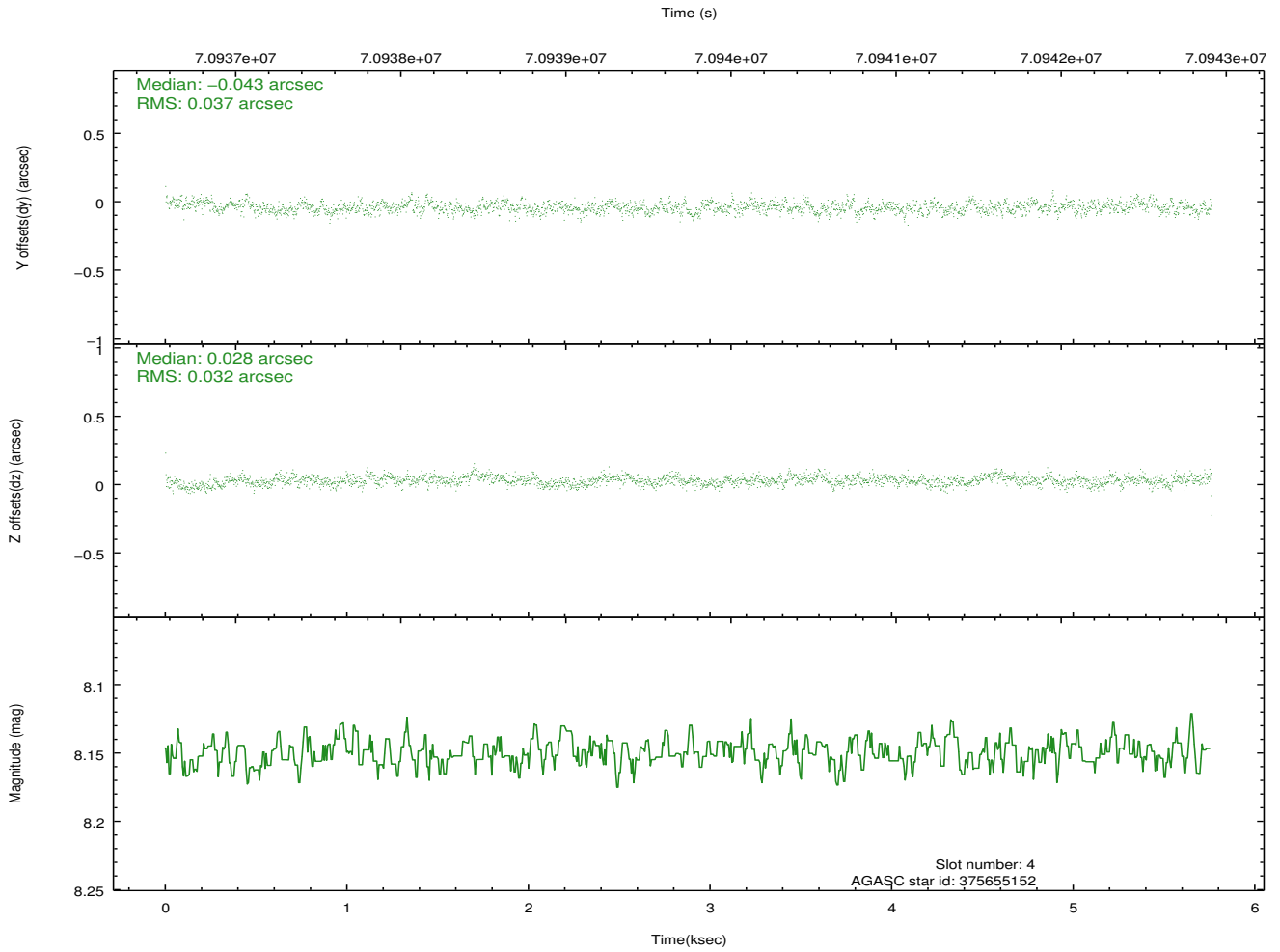
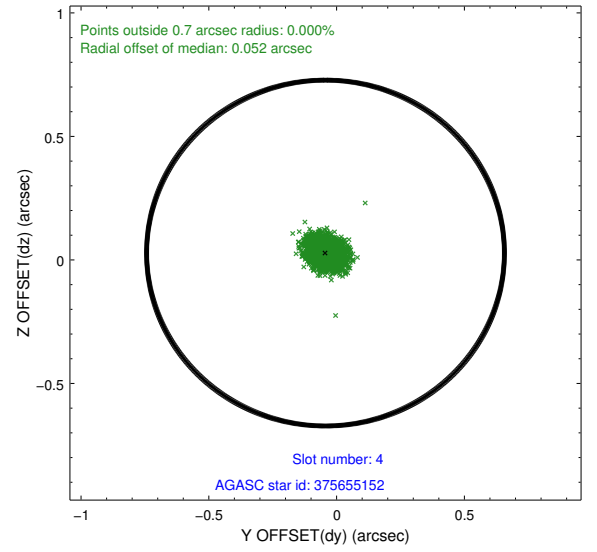
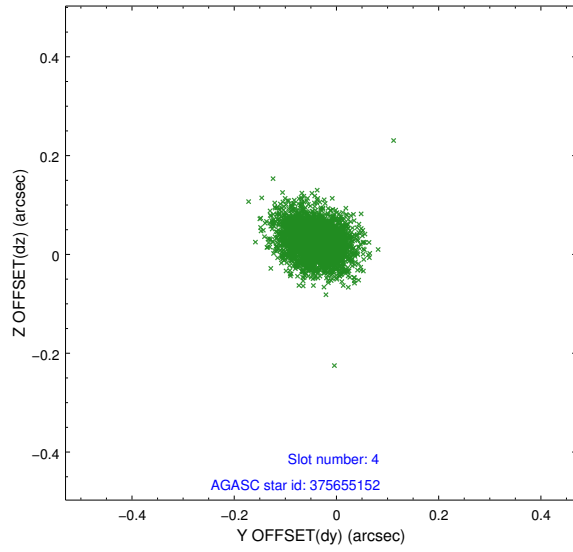
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1405	-0.006	-0.017	0.008	0.012	0.000000	0.000000	-753.83	-1724.68
1	FID	ACIS-S-4	7.21	1405	-0.004	0.007	0.005	0.009	0.000000	0.000000	2159.03	182.70
2	FID	ACIS-S-5	7.23	1405	-0.022	0.018	0.007	0.012	0.000000	0.000000	-1805.31	177.65
3	GUIDE	375137288	7.54	2811	0.026	-0.163	0.077	0.118	52.788075	39.147733	-434.19	-2217.48
4	GUIDE	375655152	8.15	2811	-0.043	0.028	0.052	0.086	53.917372	39.918780	-1214.50	1896.23
5	GUIDE	375669392	8.71	2811	-0.061	-0.082	0.063	0.101	52.767011	39.644684	-1996.17	-1341.54
6	GUIDE	375656760	9.76	2810	0.005	0.122	0.103	0.162	53.653163	39.980916	-1777.88	1381.97
7	GUIDE	375670008	9.79	2802	0.075	0.097	0.099	0.165	53.876723	39.383419	389.82	824.10

## 2.4 Star Slots

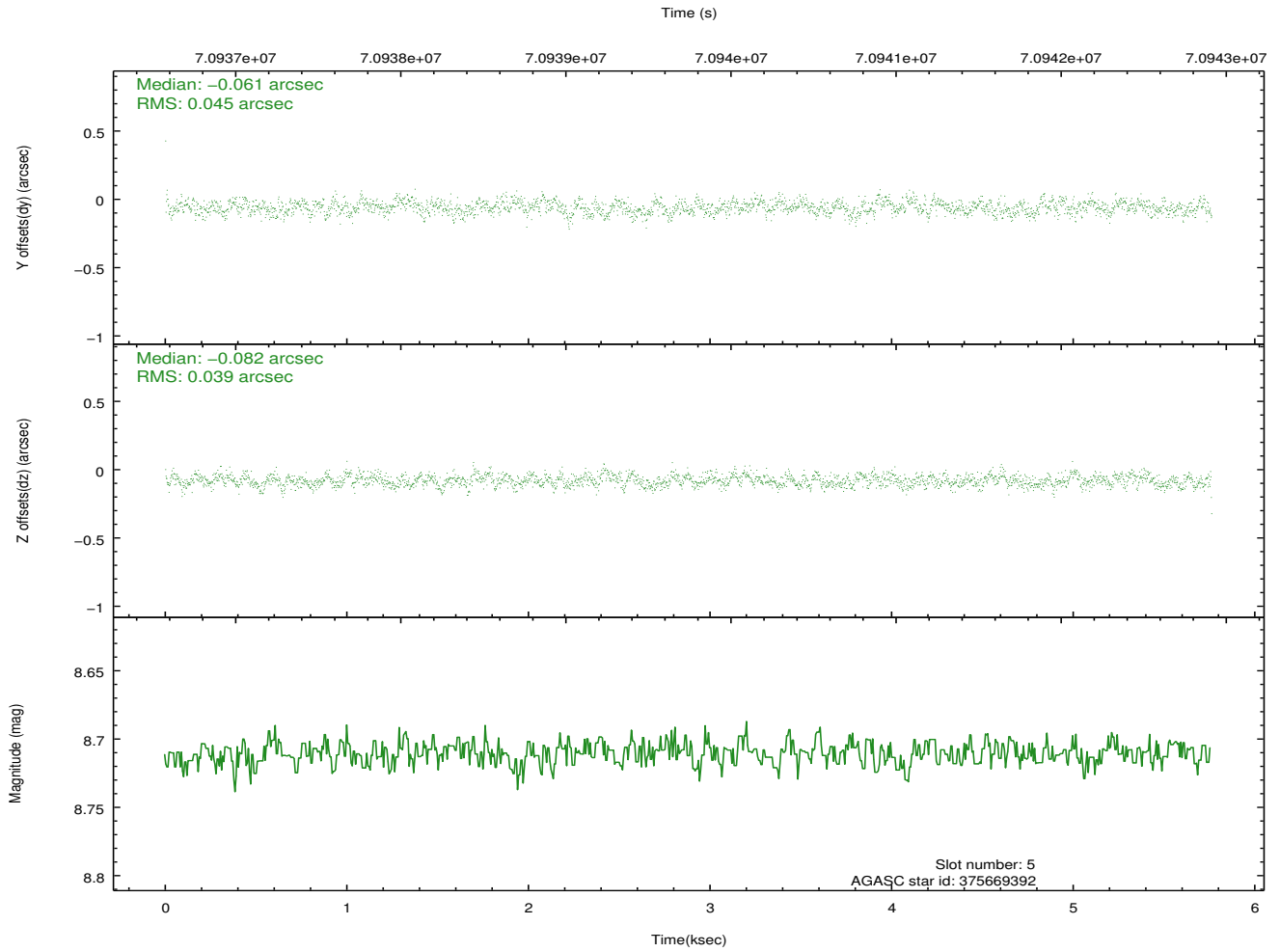
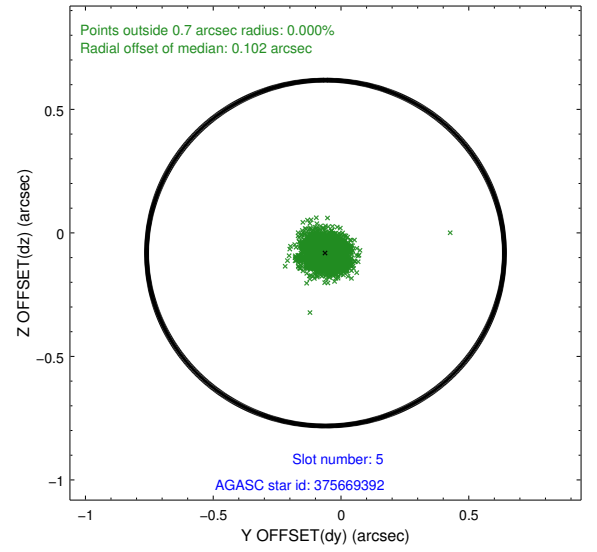
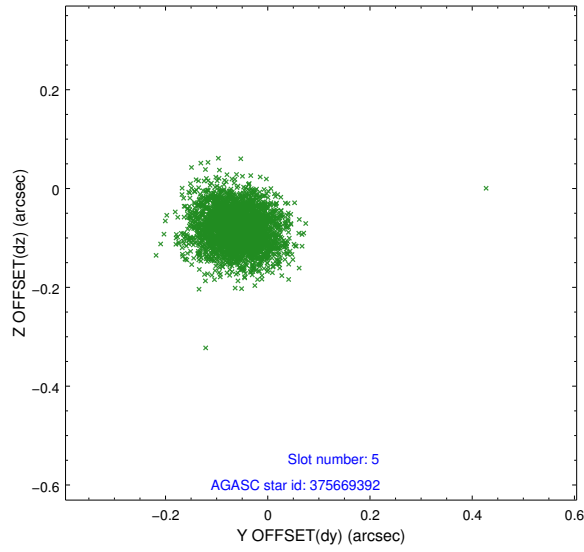
### 2.4.1 Slot 3



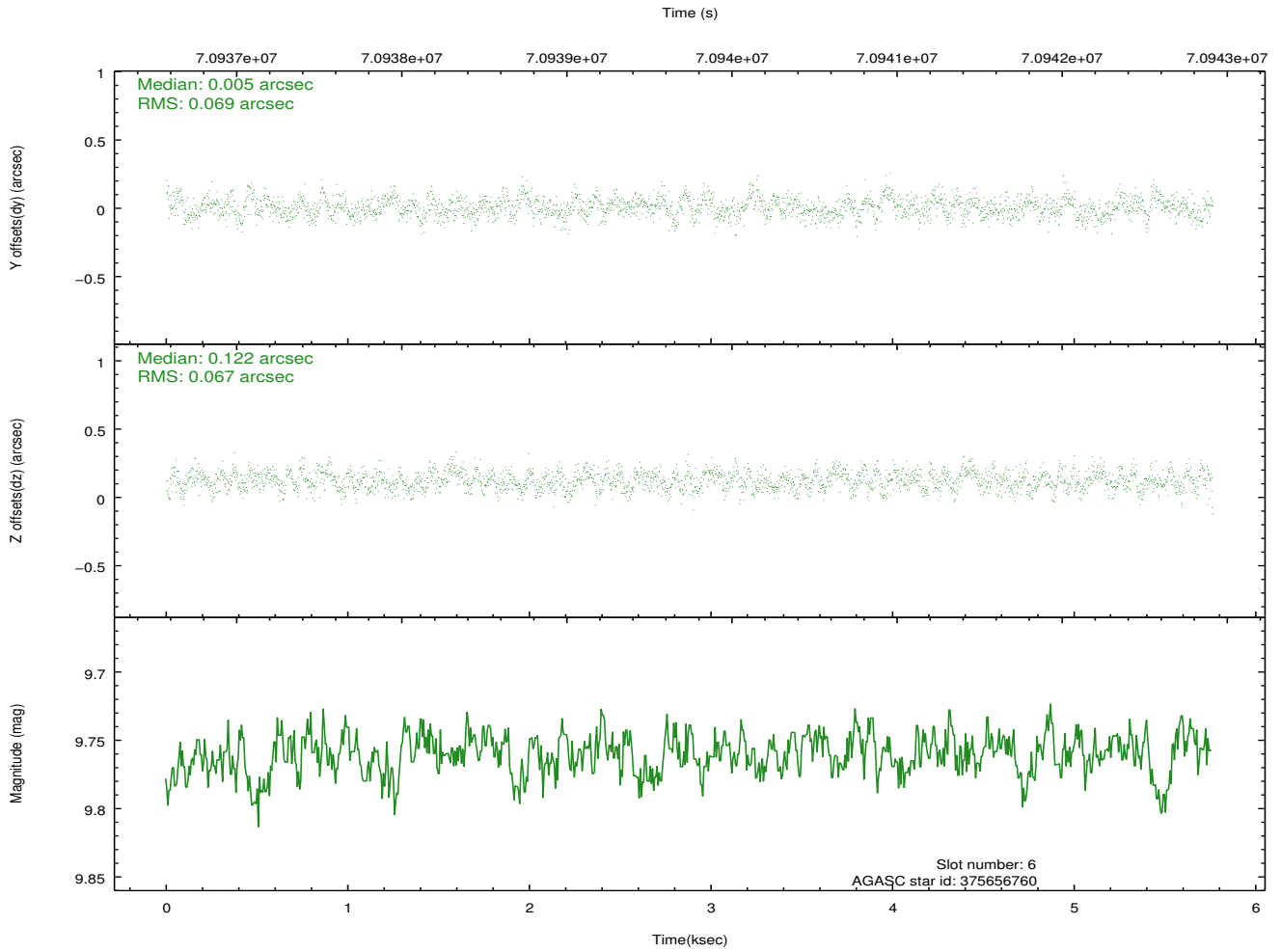
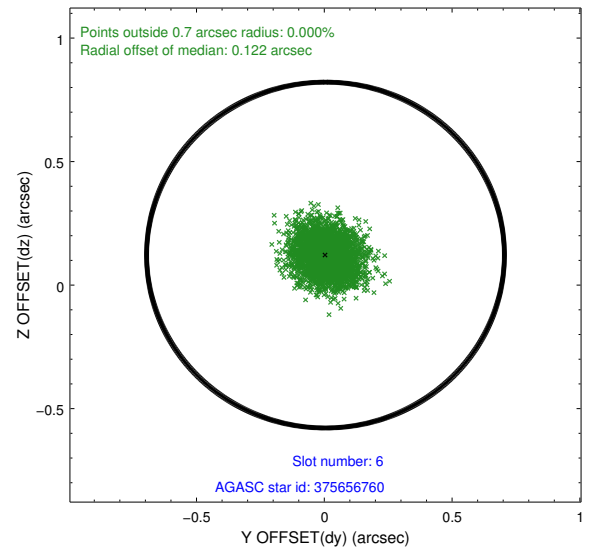
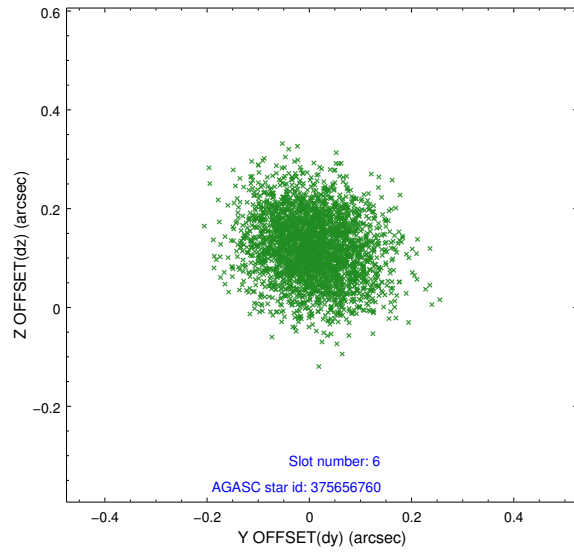
## 2.4.2 Slot 4



### 2.4.3 Slot 5

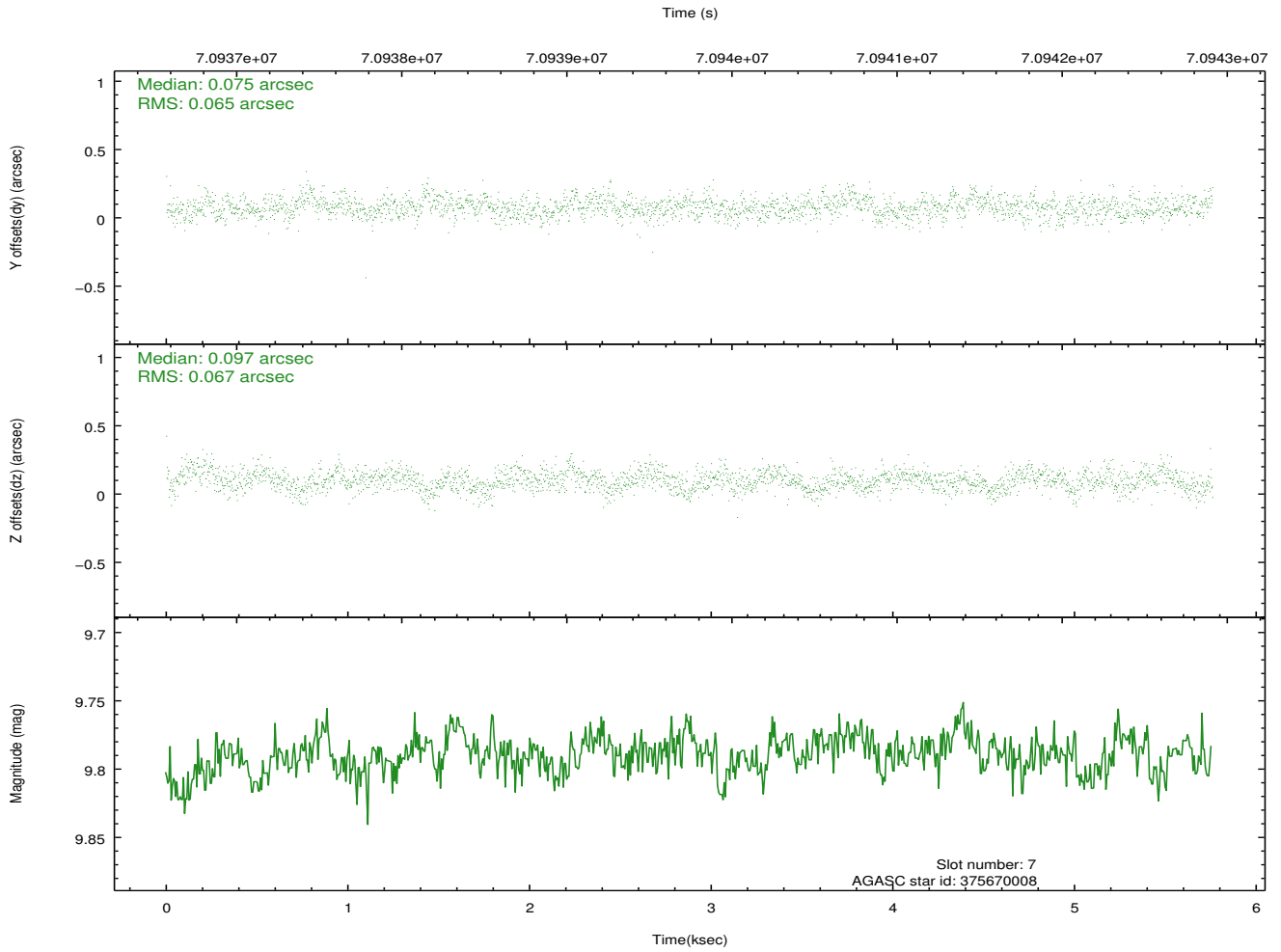
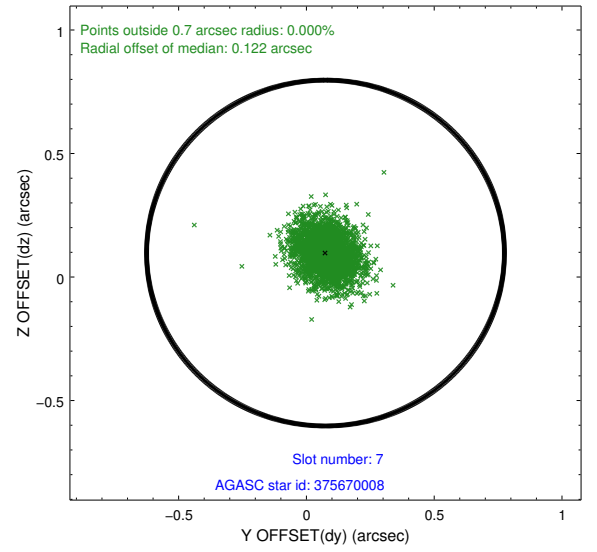
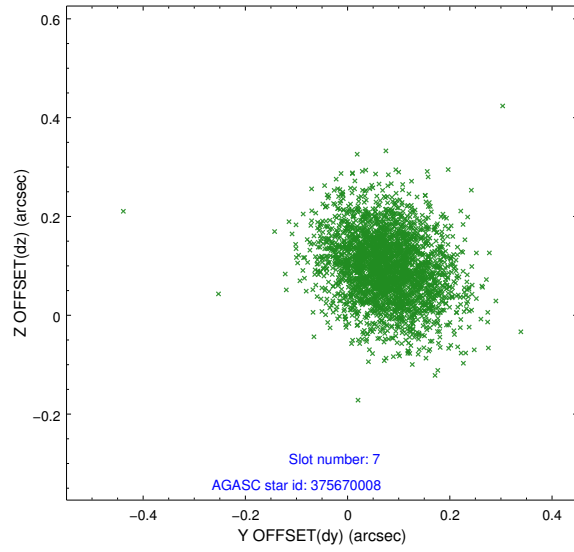


## 2.4.4 Slot 6



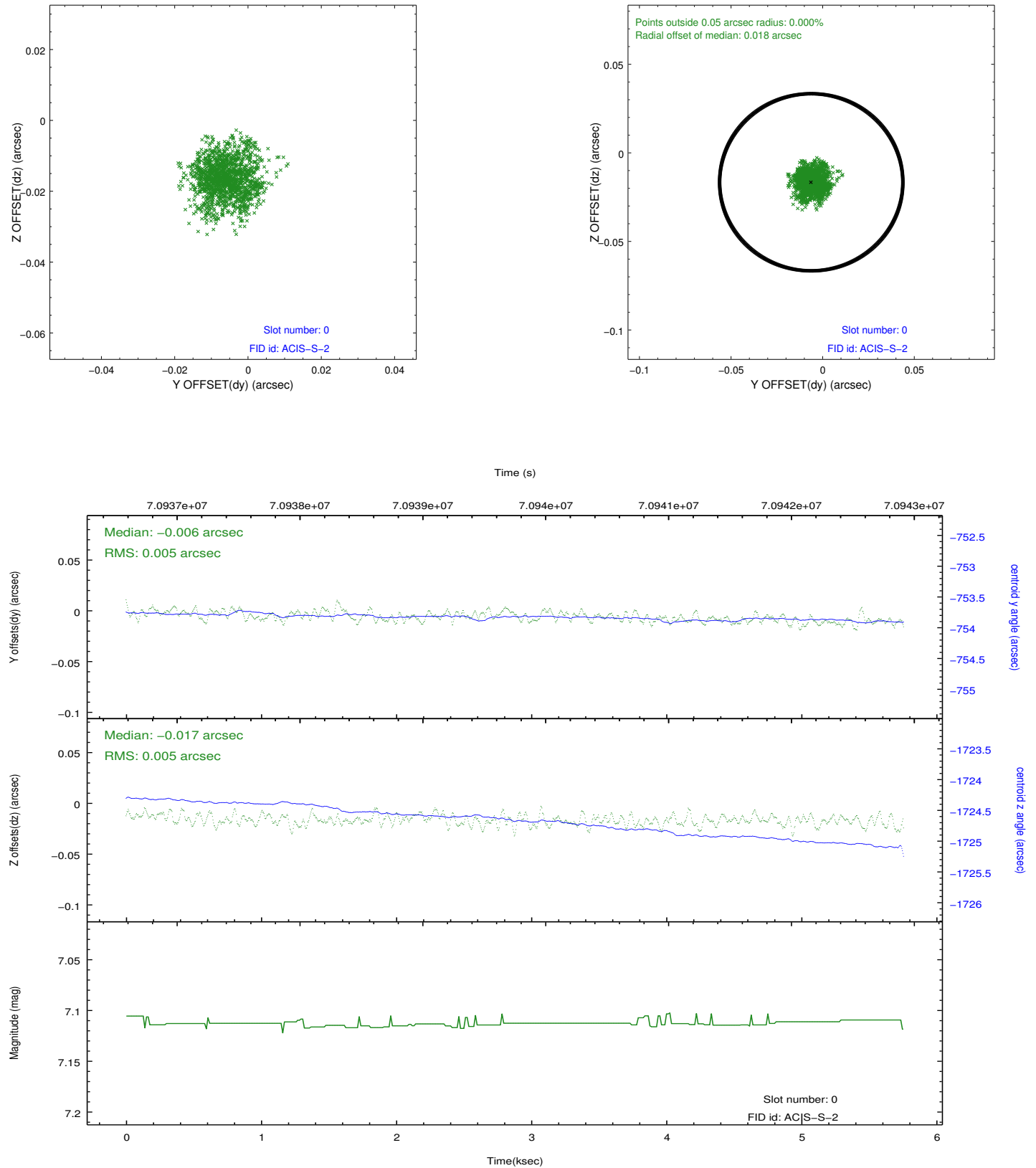


## 2.4.5 Slot 7

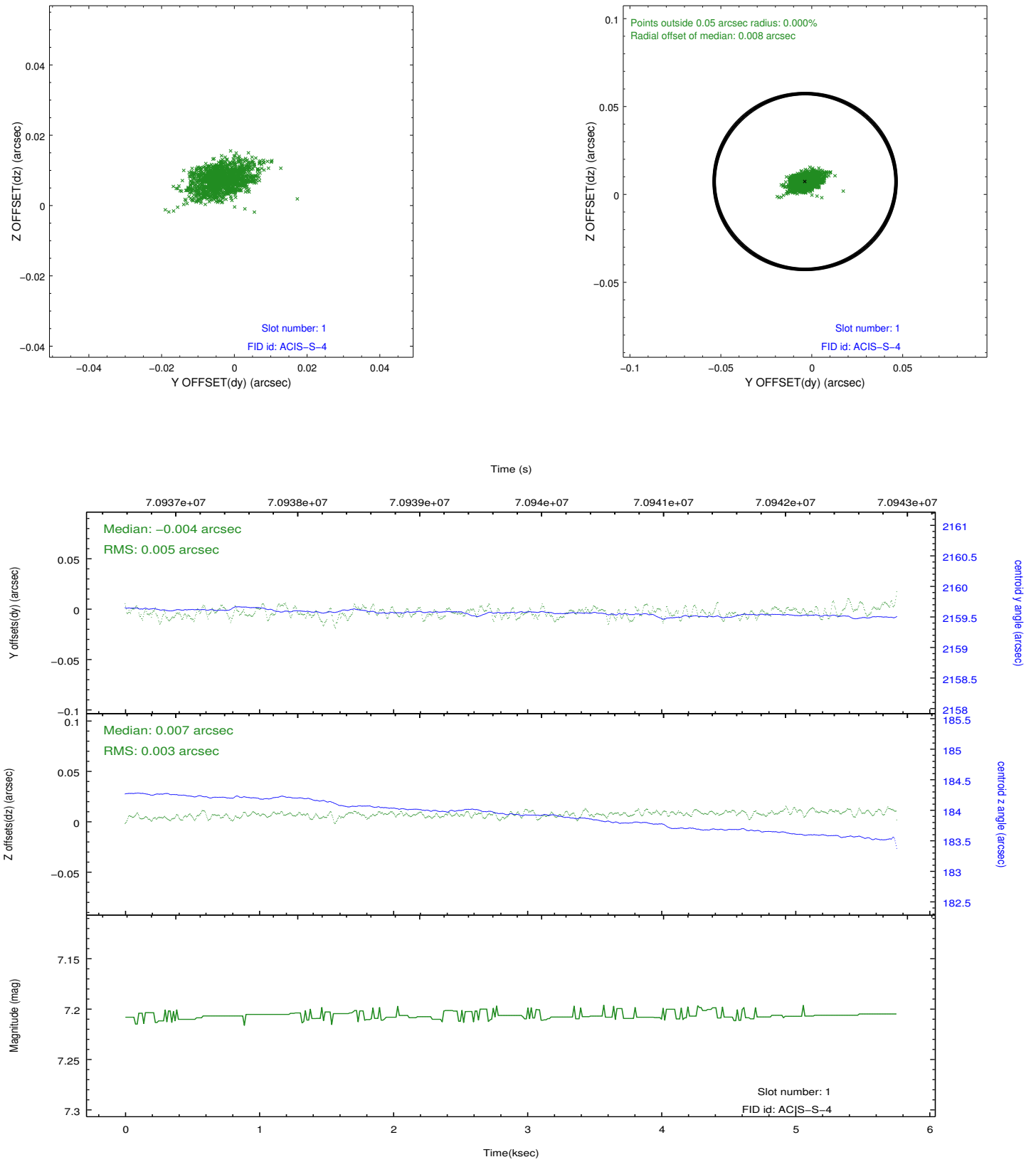


## 2.5 FID Slots

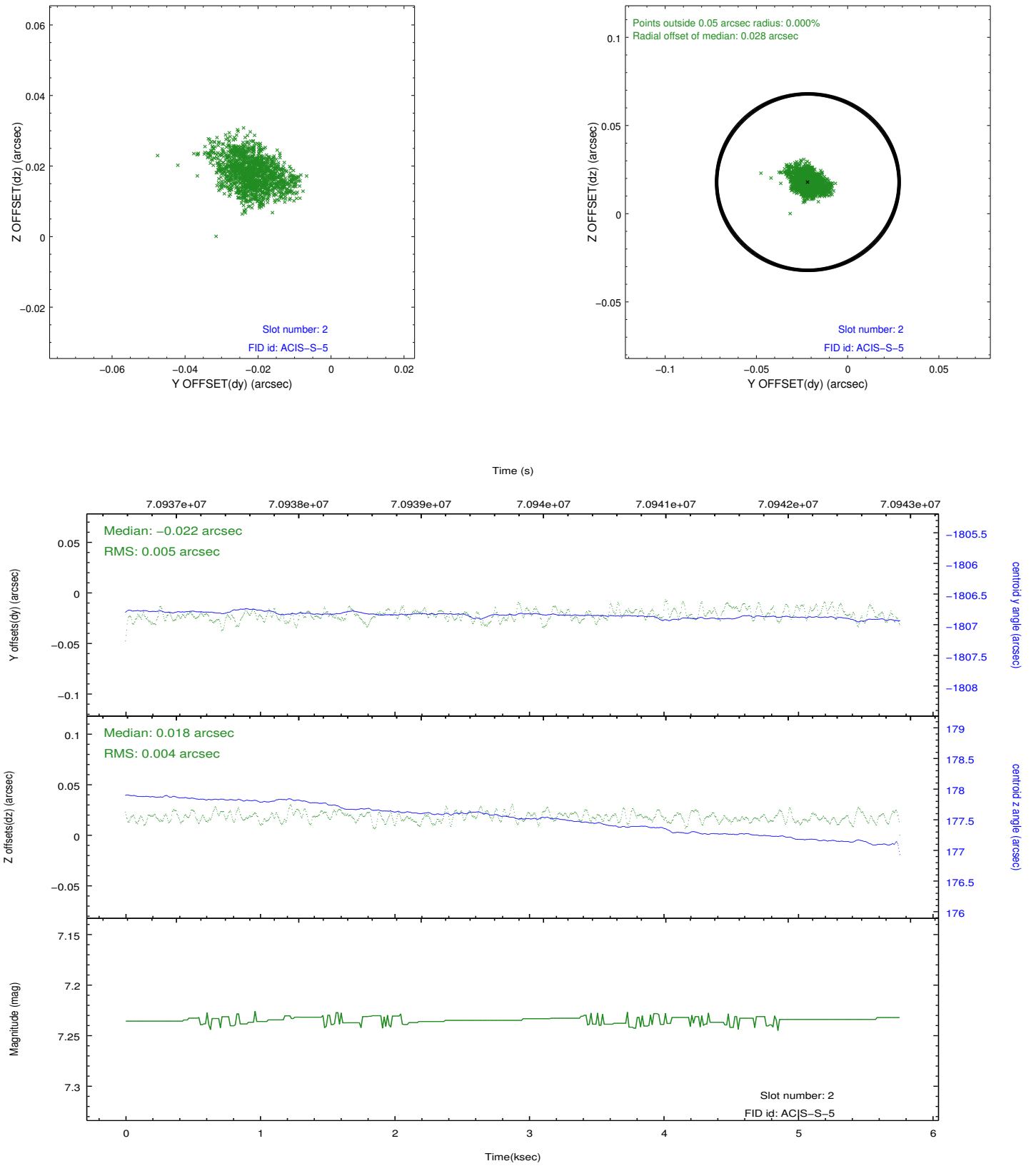
### 2.5.1 Slot 0



## 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)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.747

## A.2 Comments

Charge time for this ObsId remains at previous value of 5.747 ks although with the current processing the charge time would have been 5.753 ksec.