

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9071 - L2 Version 2
Chandra X-Ray Center

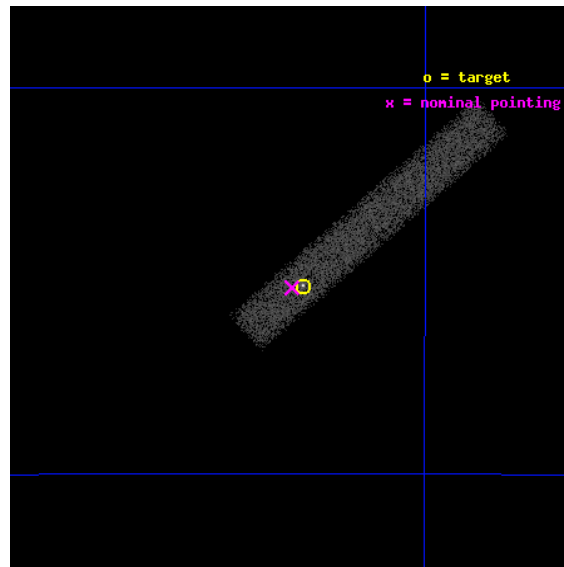
L2 Processing Date : May 31 2012

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1 Front

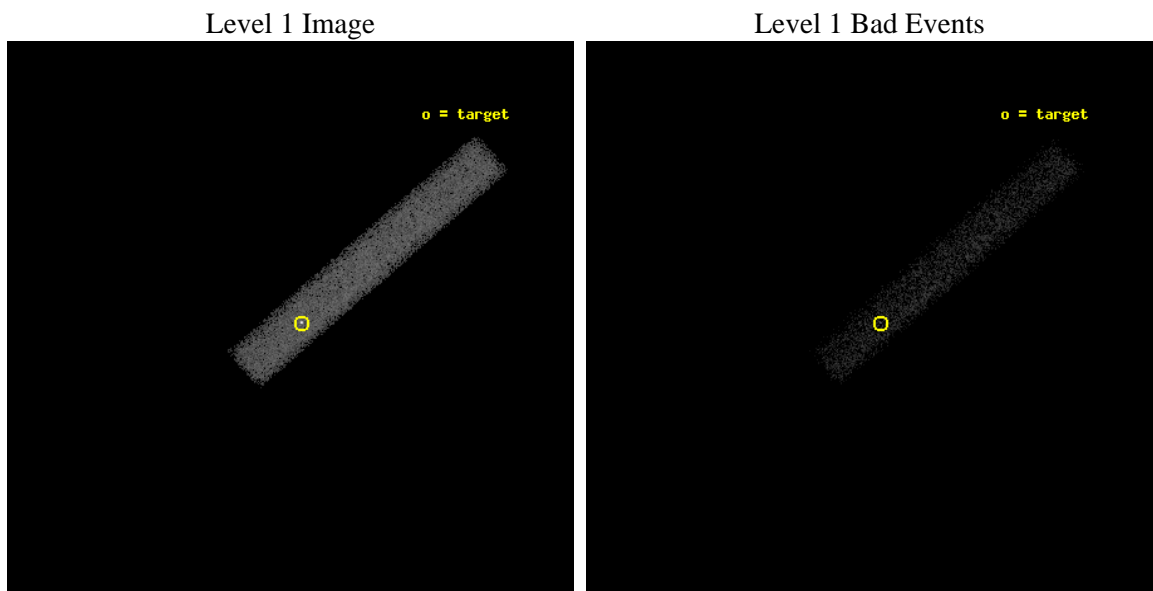
seq_num	400922	Sequence number
obs_id	9071	Observation id
title	Quasi-persistent neutron-star X-ray binaries in quiescence	Proposa
observer	Dr. Rudy Wijnands	Principal investigator
object	EXO 0748-676	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	117.140833	Observer's specified target RA [deg]
dec_targ	-67.7524	Observer's specified target Dec [deg]
ra_nom	117.15357319981	Nominal RA [deg]
dec_nom	-67.753176113531	Nominal Dec [deg]
roll_nom	319.16842513527	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17457.19895947	Sum of GTIs [s]
livetime	15832.757989724	Livetime [s]
ontime7	17457.19895947	Sum of GTIs [s]
l2events	17844	Number of level 2 events



2 OBI

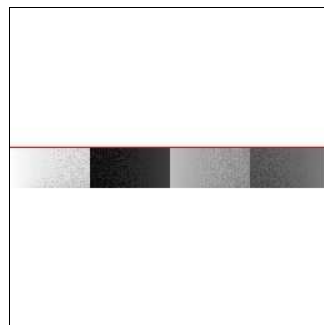
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17277.914000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	17457.19895947	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	17457.19895947	Sum of GTIs [s]
date	2012-05-31T14:50:37	Date and time of file creation	l1events	37397	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

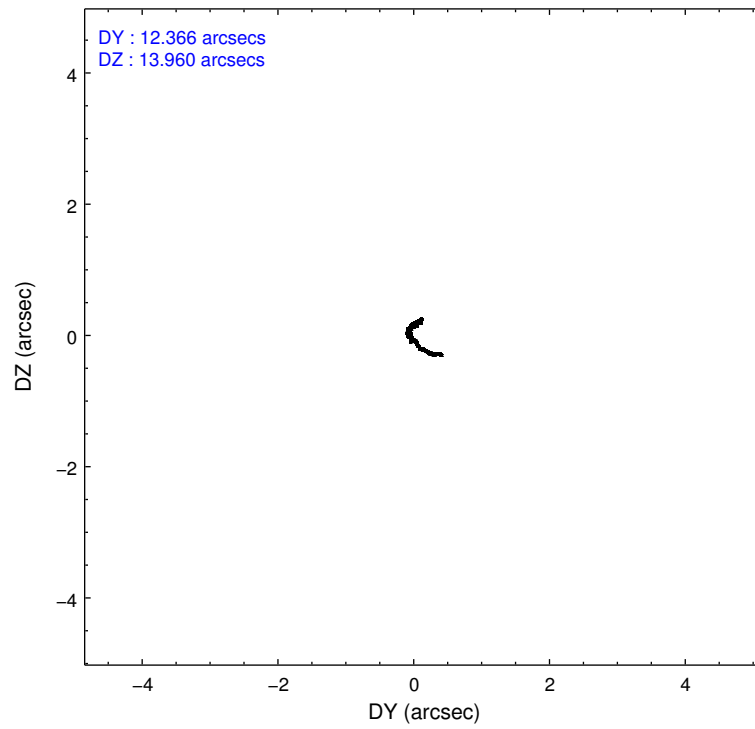
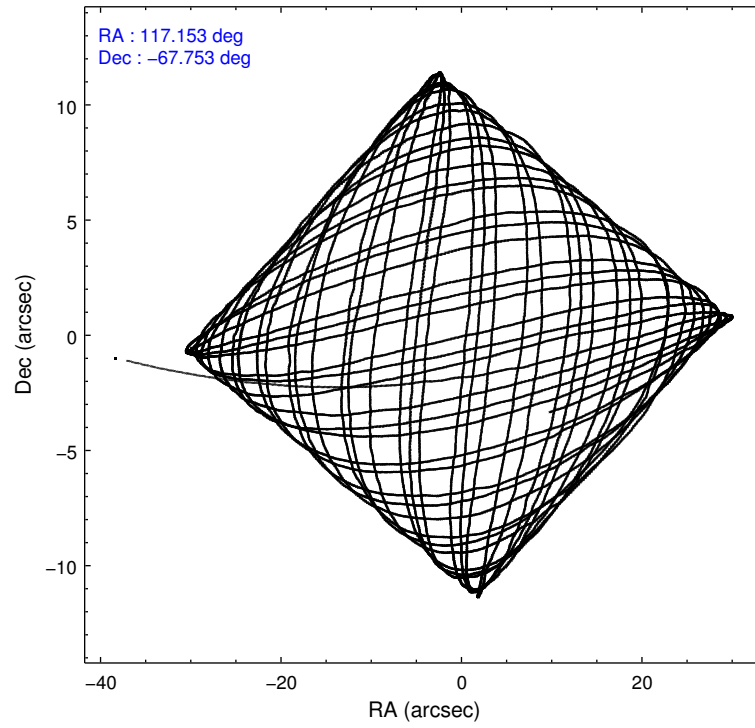
	ccd 7
level 1 events	37397
rejected events	18954
rejected %	50%

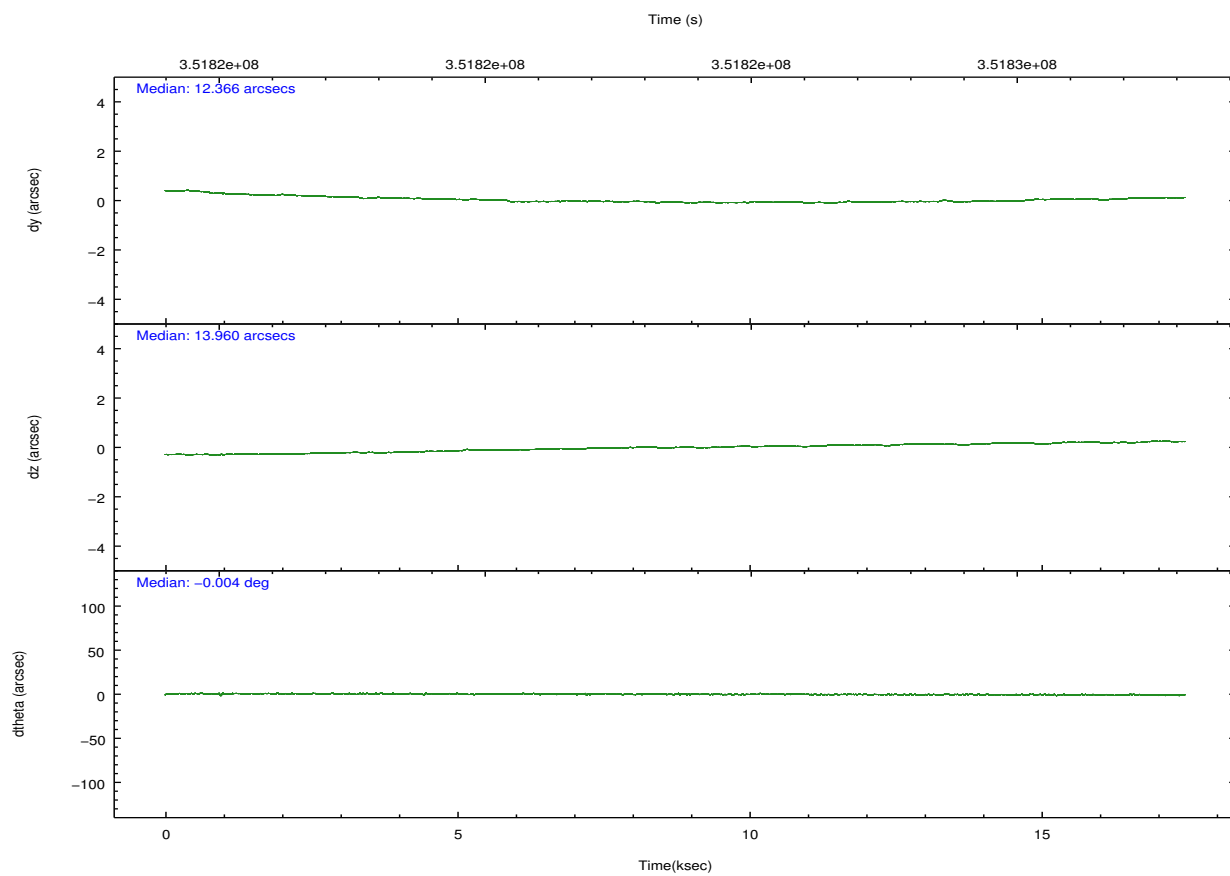
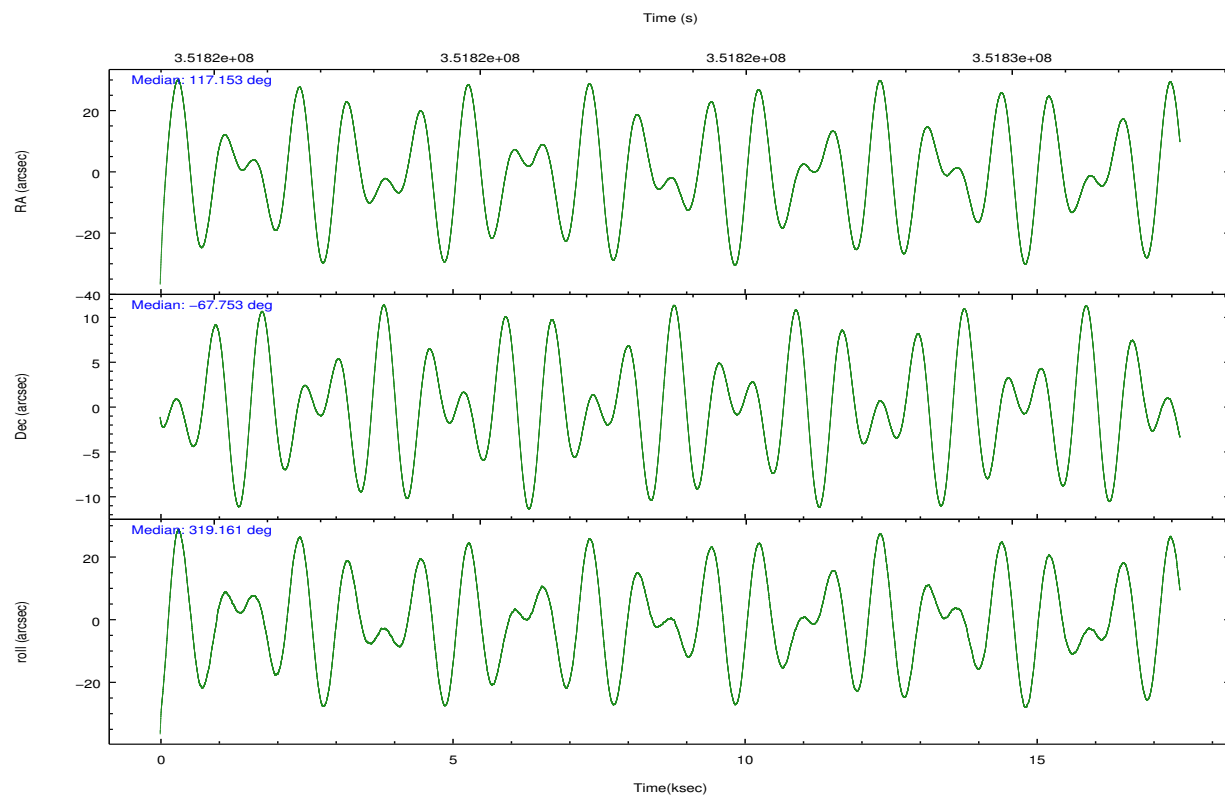
	ccd 7
grade 0 events	2460
	6%
grade 1 events	48
	0%
grade 2 events	3988
	10%
grade 3 events	2410
	6%
grade 4 events	2211
	5%
grade 5 events	3187
	8%
grade 6 events	7996
	21%
grade 7 events	15097
	40%

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	117.082384	117.1535731998078	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-67.748400	-67.7531761135308	Subarray start row	449	449
[deg] Pointing Roll	318.945907	319.1684251352722	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)	351815015.184000	351814053.24096			
Observation start date	2009-02-23T22:22:29	2009-02-23T22:07:33			
[s] Observation end time (MET)	351832292.184000	351832519.12937			
Observation end date	2009-02-24T03:10:26	2009-02-24T03:15:19			
Read mode	TIMED	TIMED			

2.3 Aspect



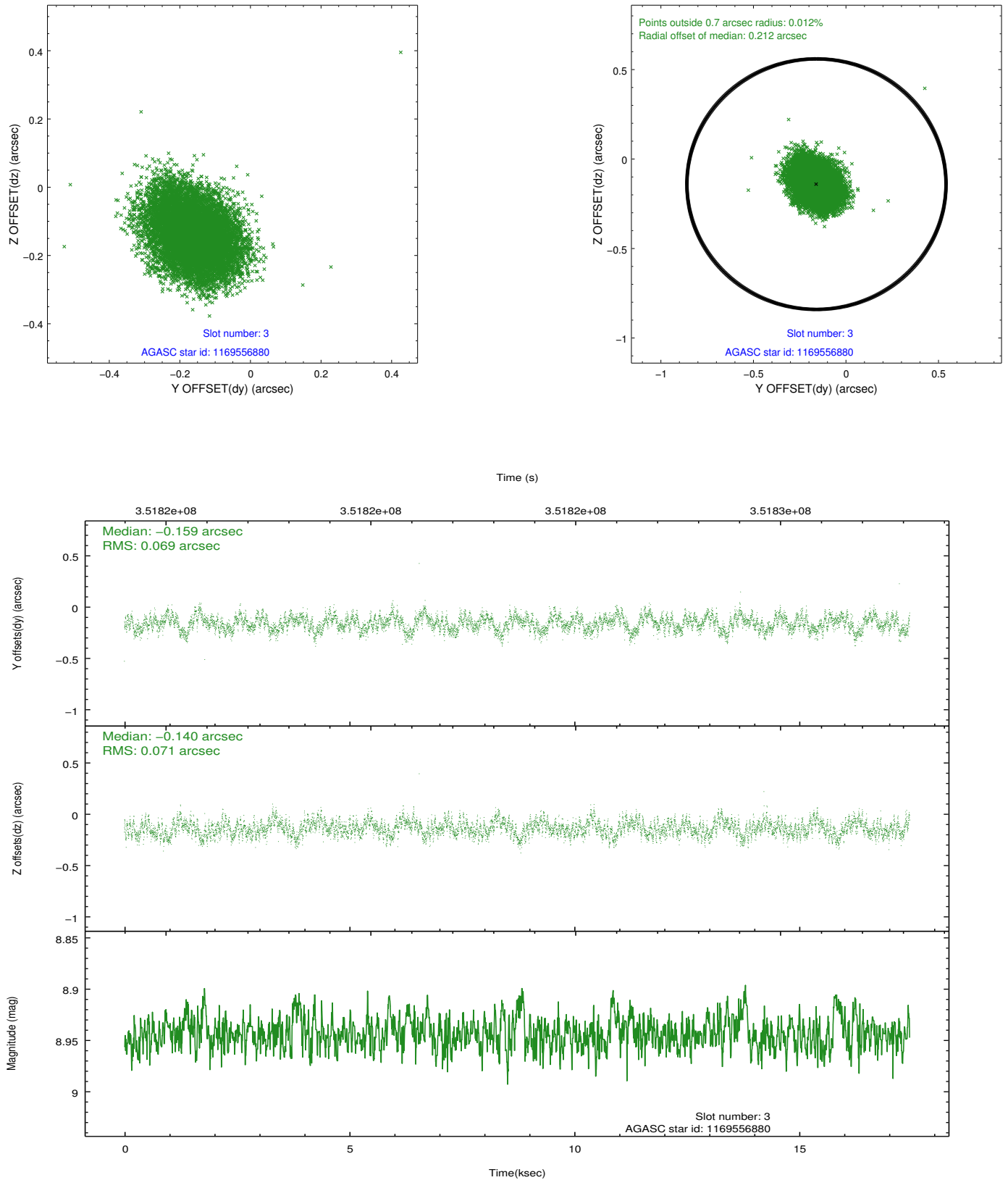


Slot Statistics

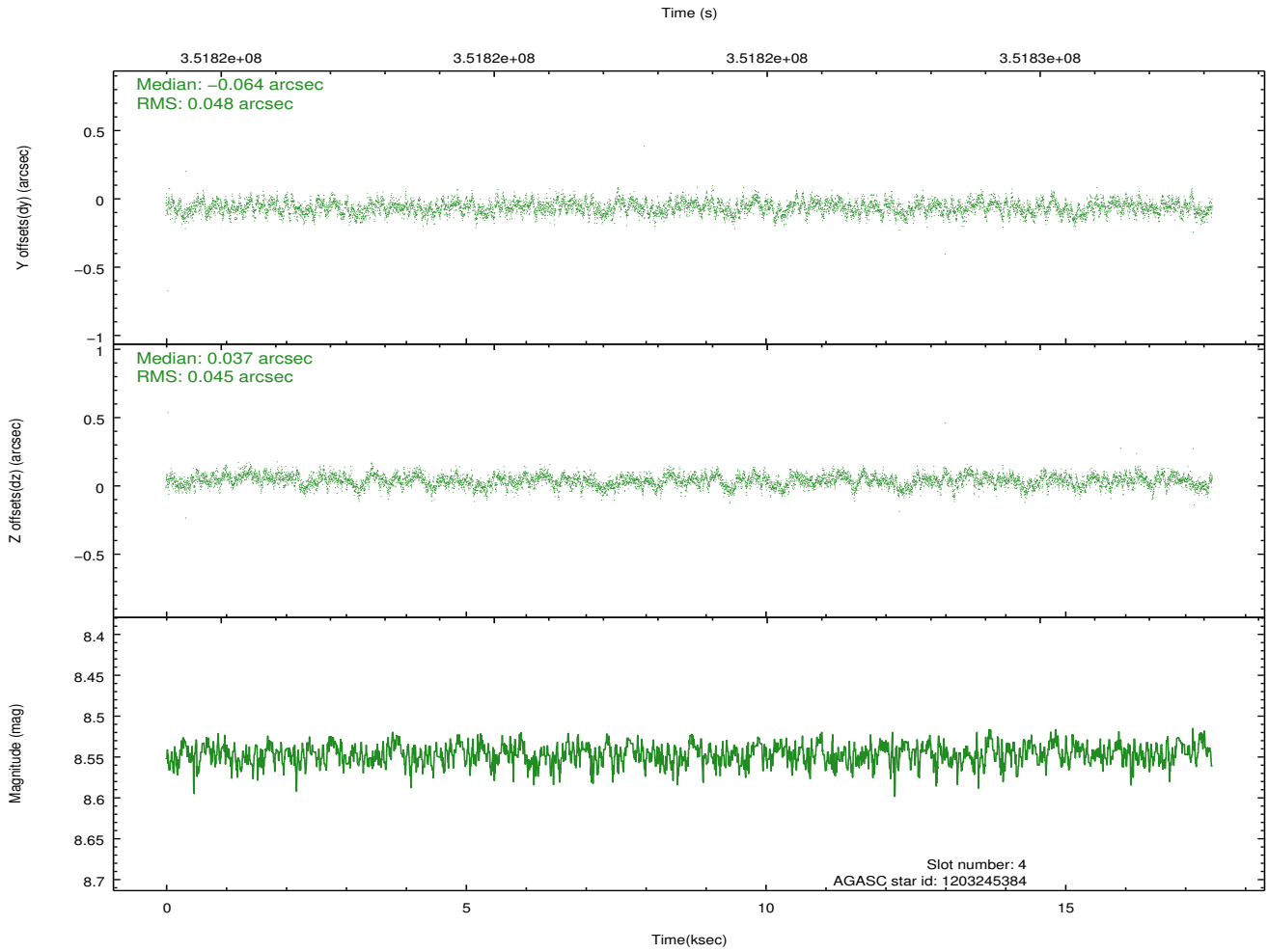
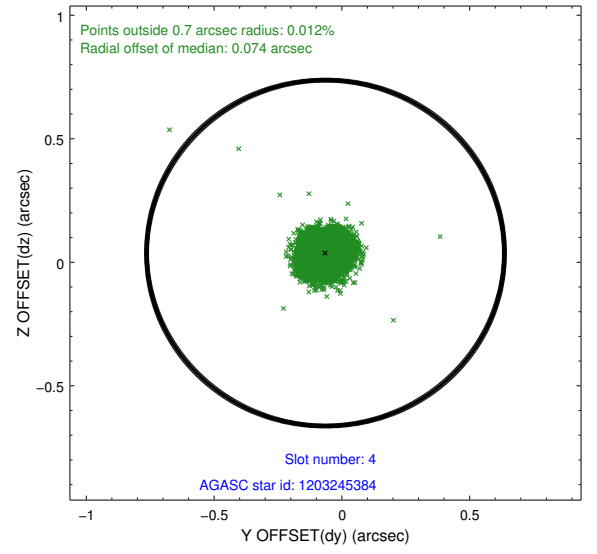
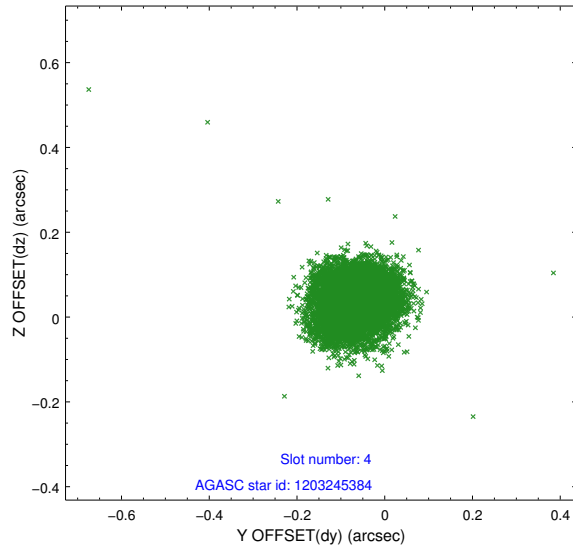
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	4257	-0.031	-0.045	0.008	0.015	0.000000	0.000000	-765.33	-1735.29
1	FID	ACIS-S-4	7.06	4258	0.147	0.027	0.009	0.021	0.000000	0.000000	2148.01	173.03
2	FID	ACIS-S-5	7.10	4258	-0.147	0.027	0.008	0.014	0.000000	0.000000	-1817.99	166.96
3	GUIDE	1169556880	8.94	8508	-0.159	-0.140	0.107	0.167	118.476472	-67.455164	771.84	2043.43
4	GUIDE	1203245384	8.55	8511	-0.064	0.037	0.070	0.111	117.096059	-68.354351	1447.00	-1632.75
5	GUIDE	1203251672	8.90	8504	0.084	-0.076	0.078	0.124	119.305207	-67.693266	2195.76	2102.95
6	GUIDE	1203257328	9.75	8502	0.058	0.133	0.136	0.215	116.686345	-67.749877	-401.85	-360.01
7	GUIDE	1203248984	9.67	8512	0.084	0.050	0.127	0.207	117.212023	-68.341440	1533.04	-1496.49

2.4 Star Slots

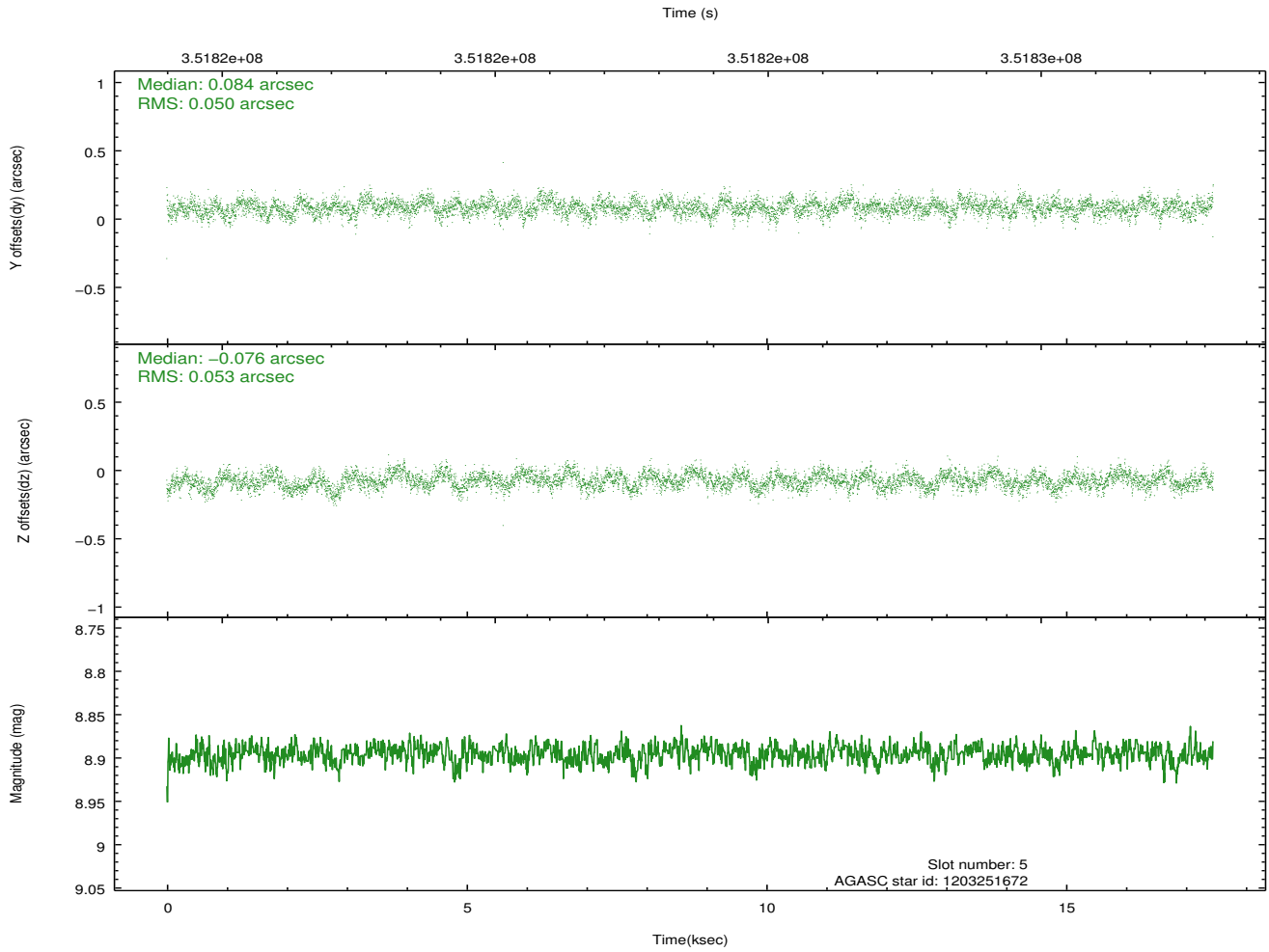
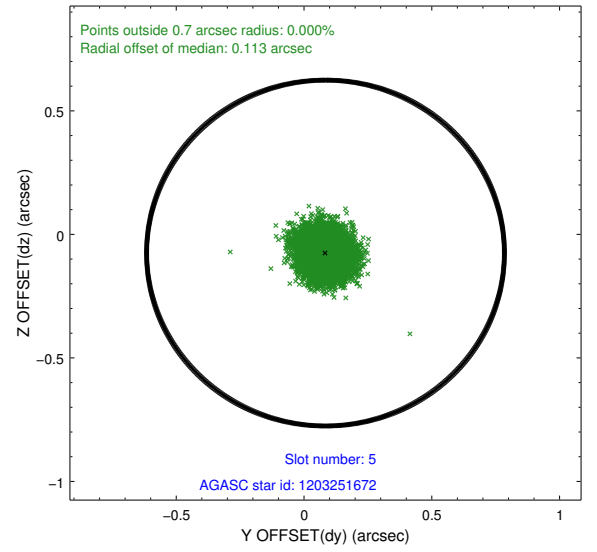
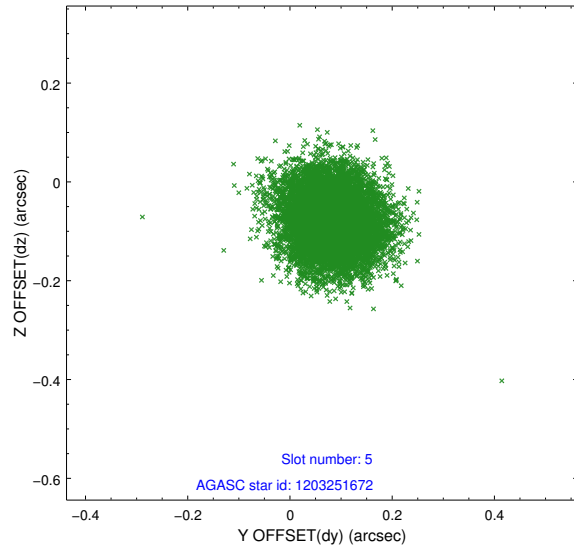
2.4.1 Slot 3



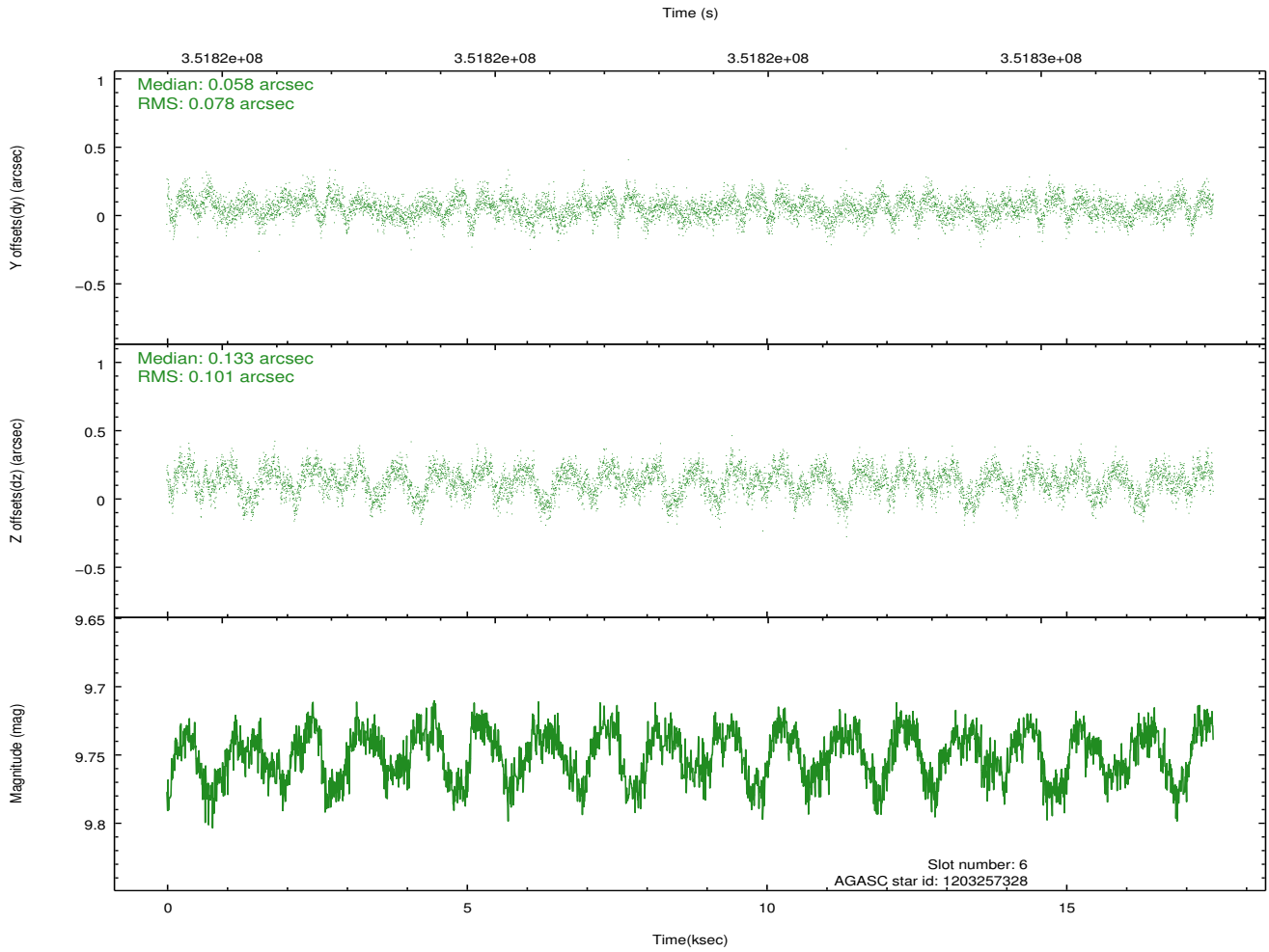
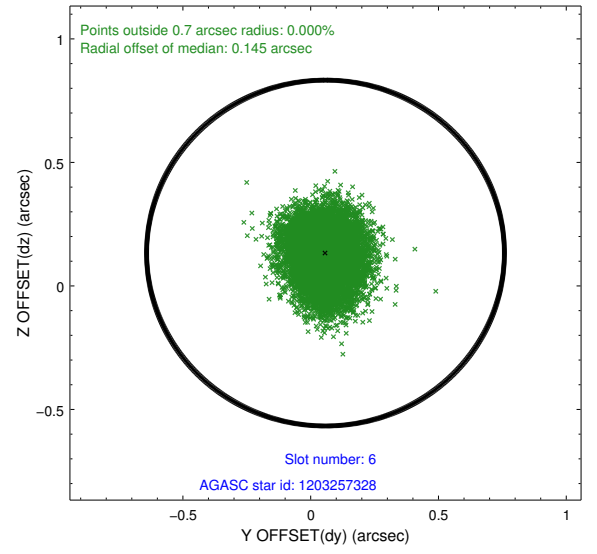
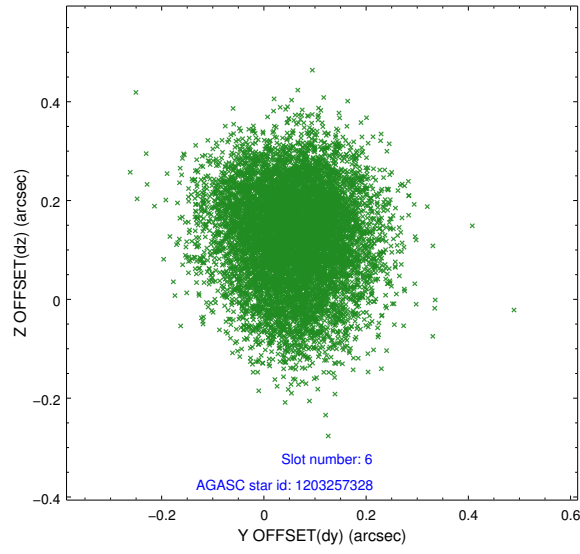
2.4.2 Slot 4



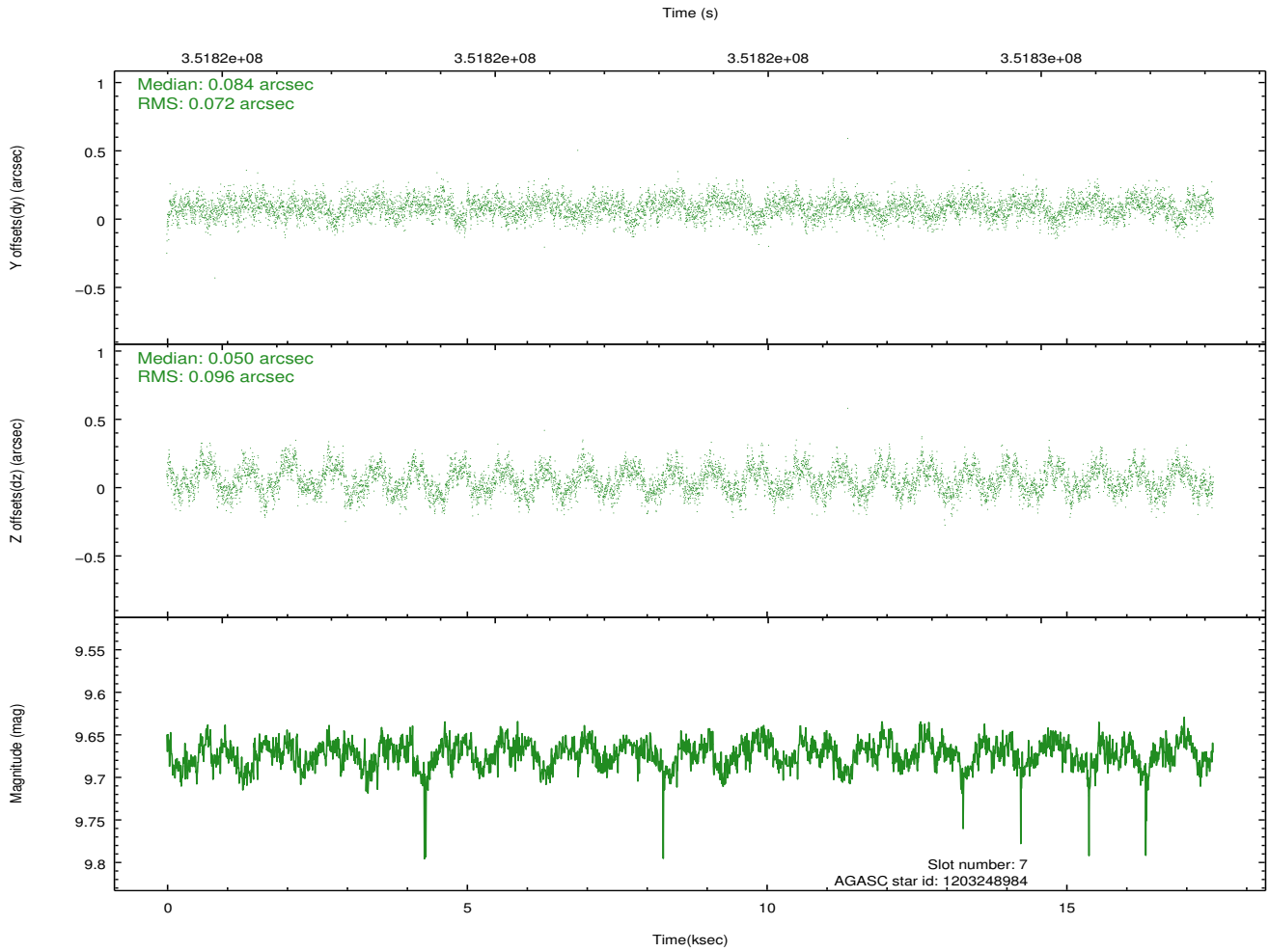
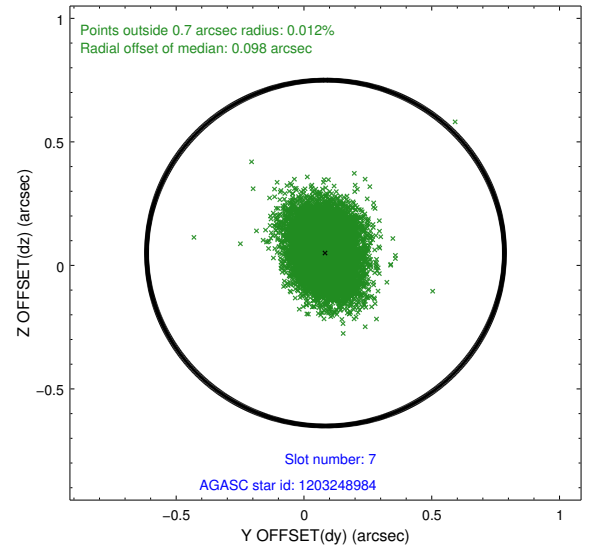
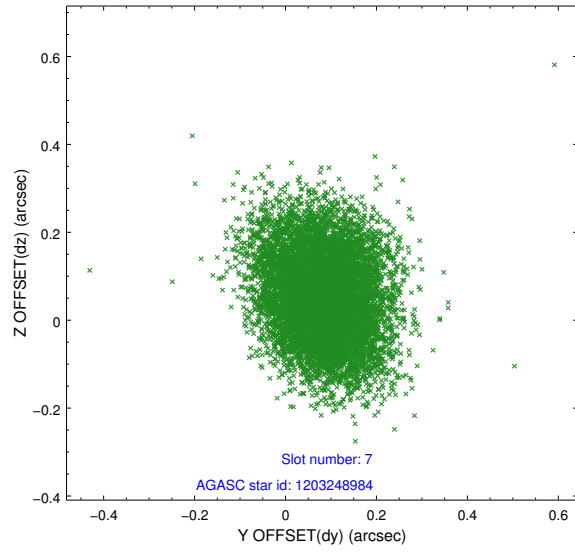
2.4.3 Slot 5



2.4.4 Slot 6

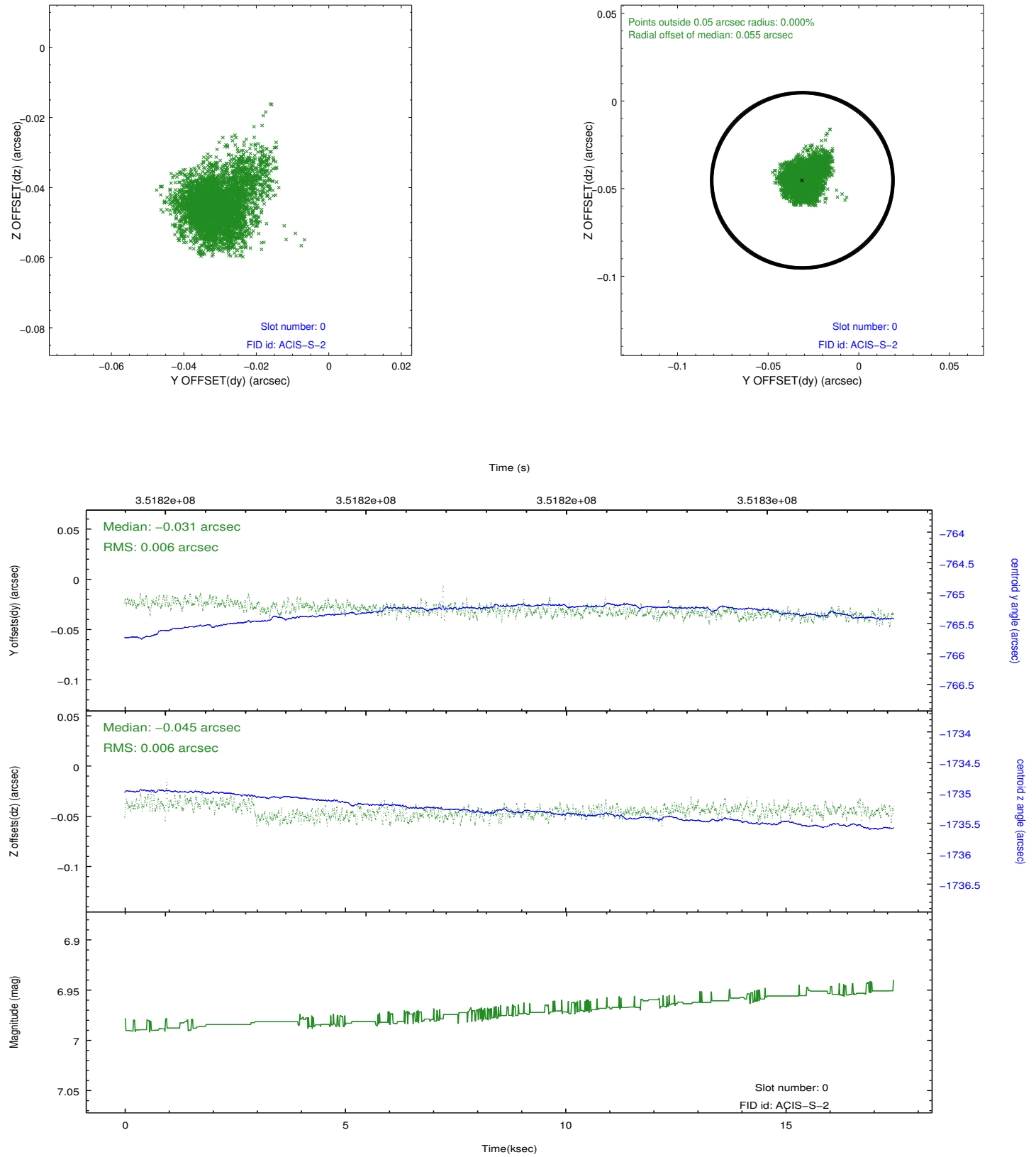


2.4.5 Slot 7

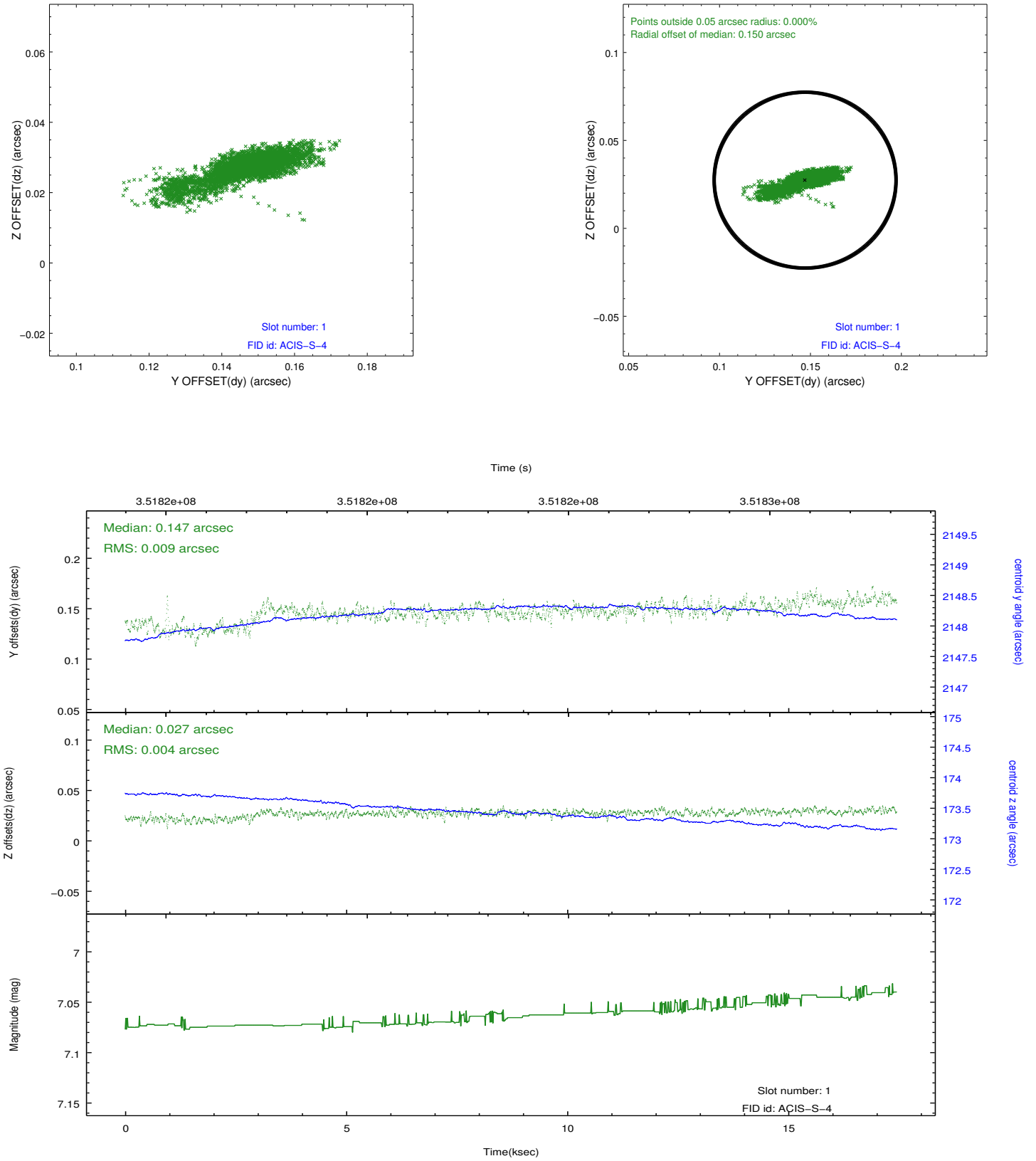


2.5 FID Slots

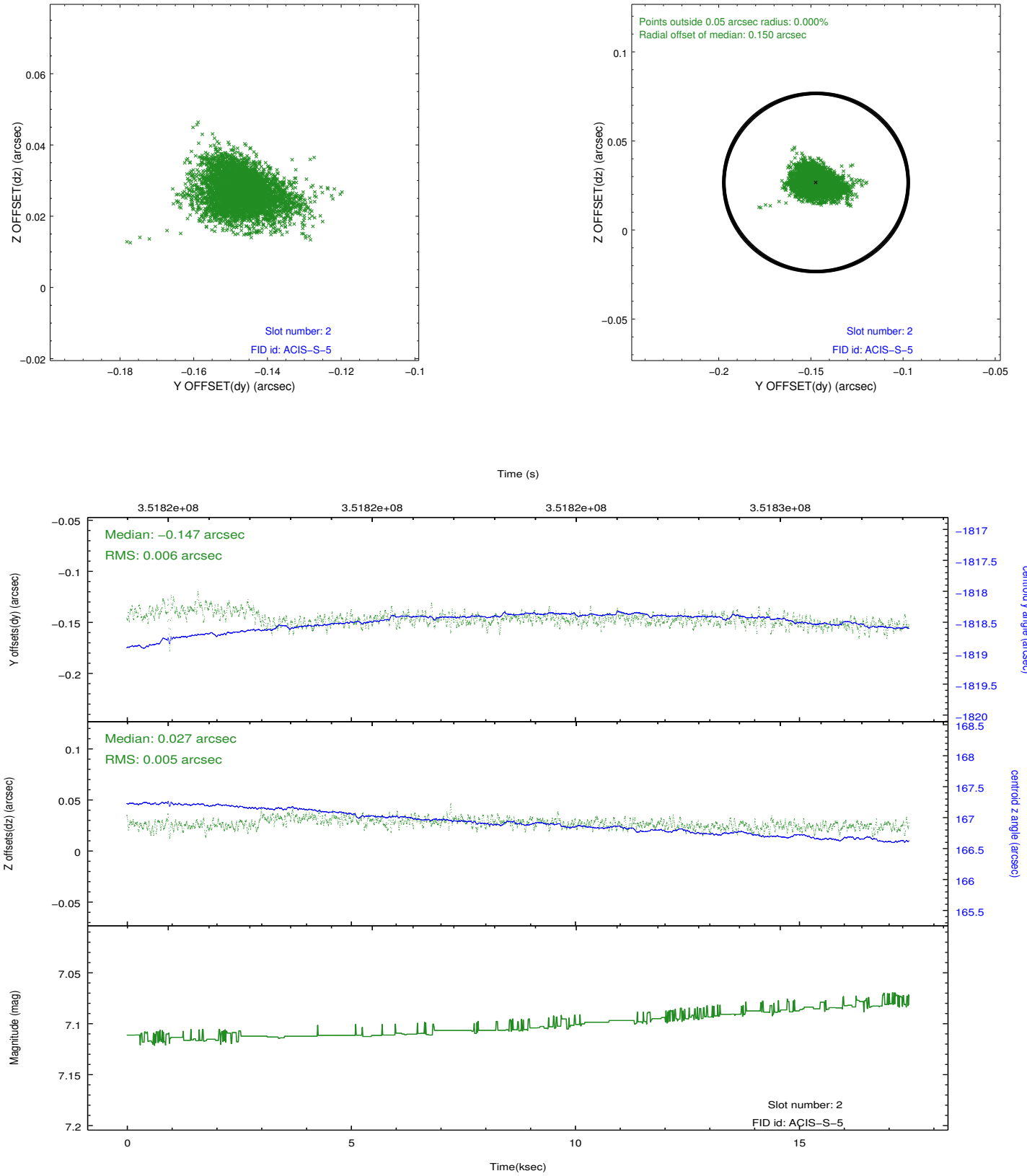
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.4571989

A.2 Comments