

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 14226 - L2 Version 1
Chandra X-Ray Center

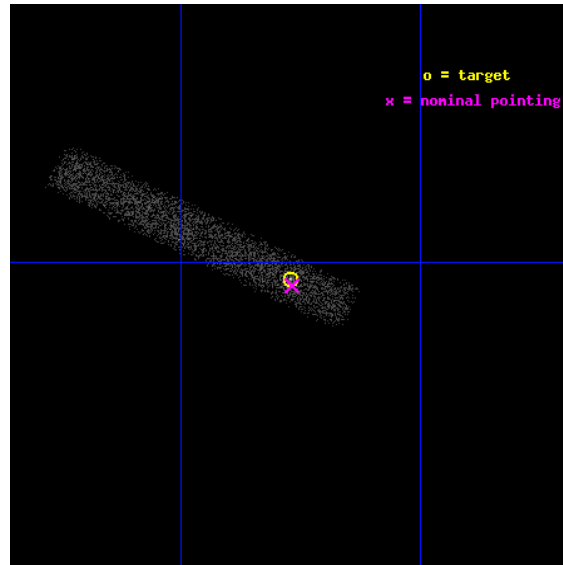
L2 Processing Date : May 28 2012

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1 Front

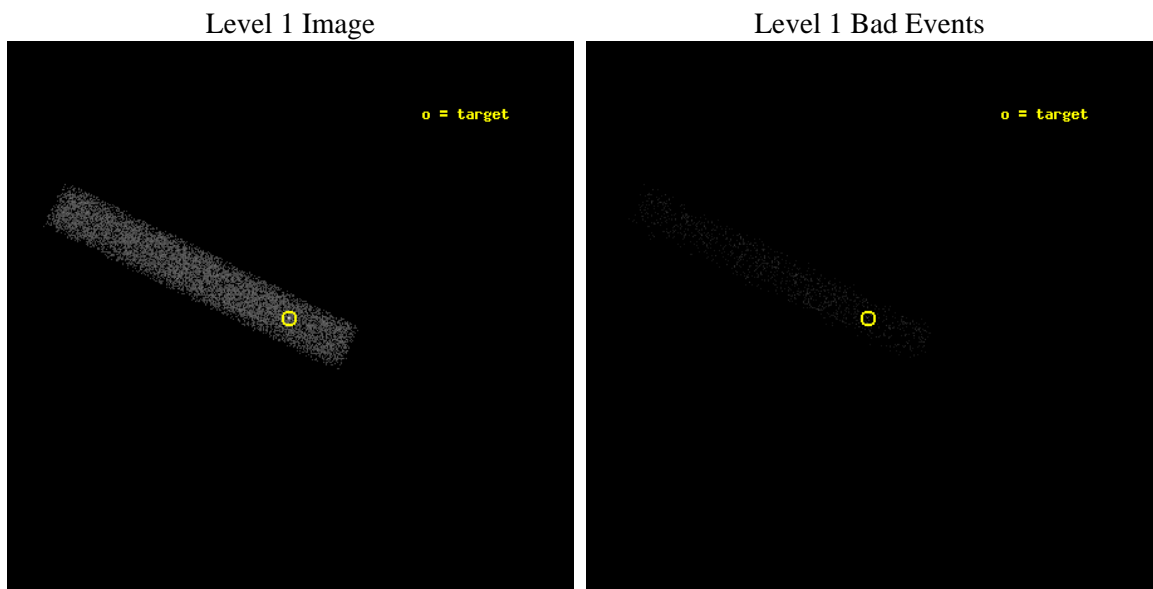
seq_num	401422	Sequence number
obs_id	14226	Observation id
title	Crust cooling of accretion heated neutron stars	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	MAXIJ 0556-332	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	89.1925	Observer's specified target RA [deg]
dec_targ	-33.173972	Observer's specified target Dec [deg]
ra_nom	89.192153209251	Nominal RA [deg]
dec_nom	-33.176998299278	Nominal Dec [deg]
roll_nom	206.06990173351	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.199399829	Sum of GTIs [s]
livetime	9132.2323597215	Livetime [s]
ontime7	10069.199399829	Sum of GTIs [s]
l2events	6454	Number of level 2 events



2 OBI

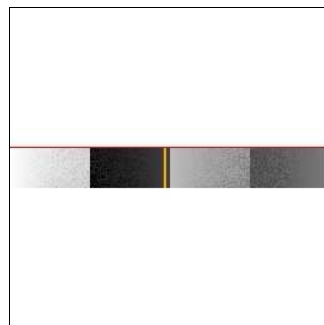
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10069.199399829	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	10069.199399829	Sum of GTIs [s]
date	2012-05-28T17:44:51	Date and time of file creation	l1events	12173	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

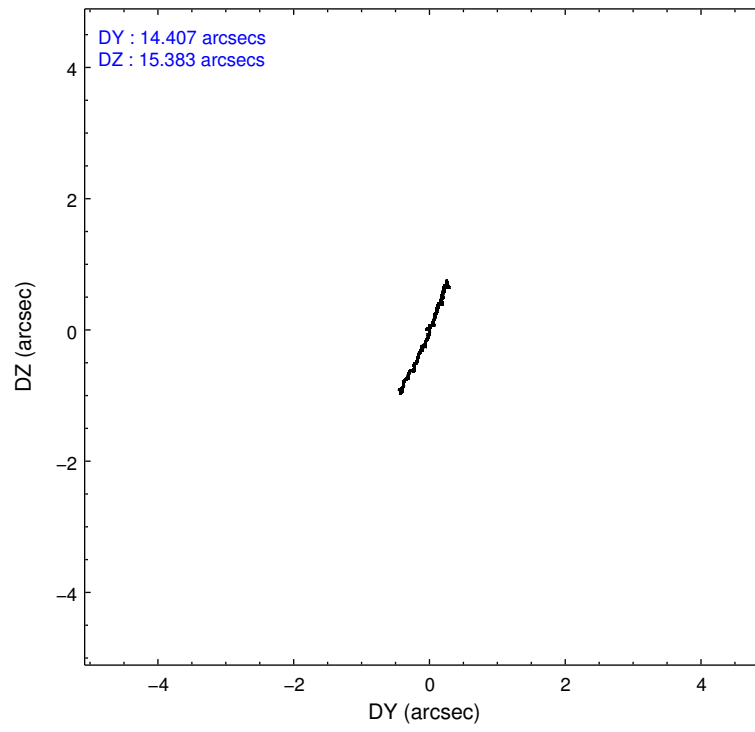
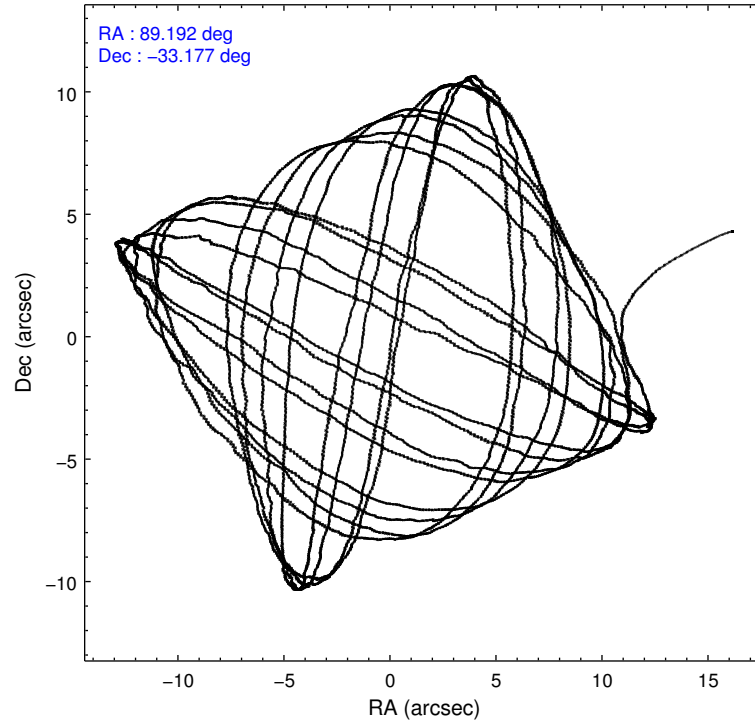
	ccd 7
level 1 events	12173
rejected events	5468
rejected %	44%

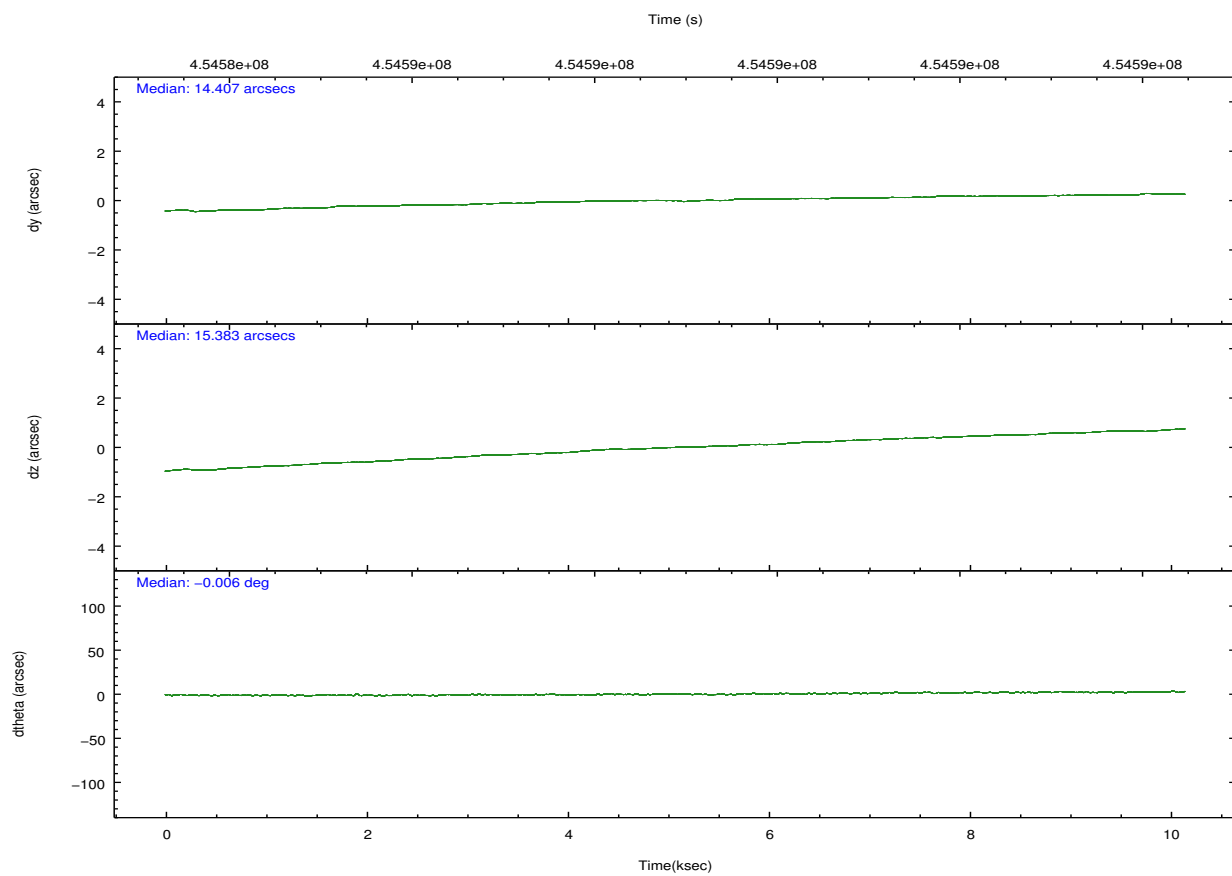
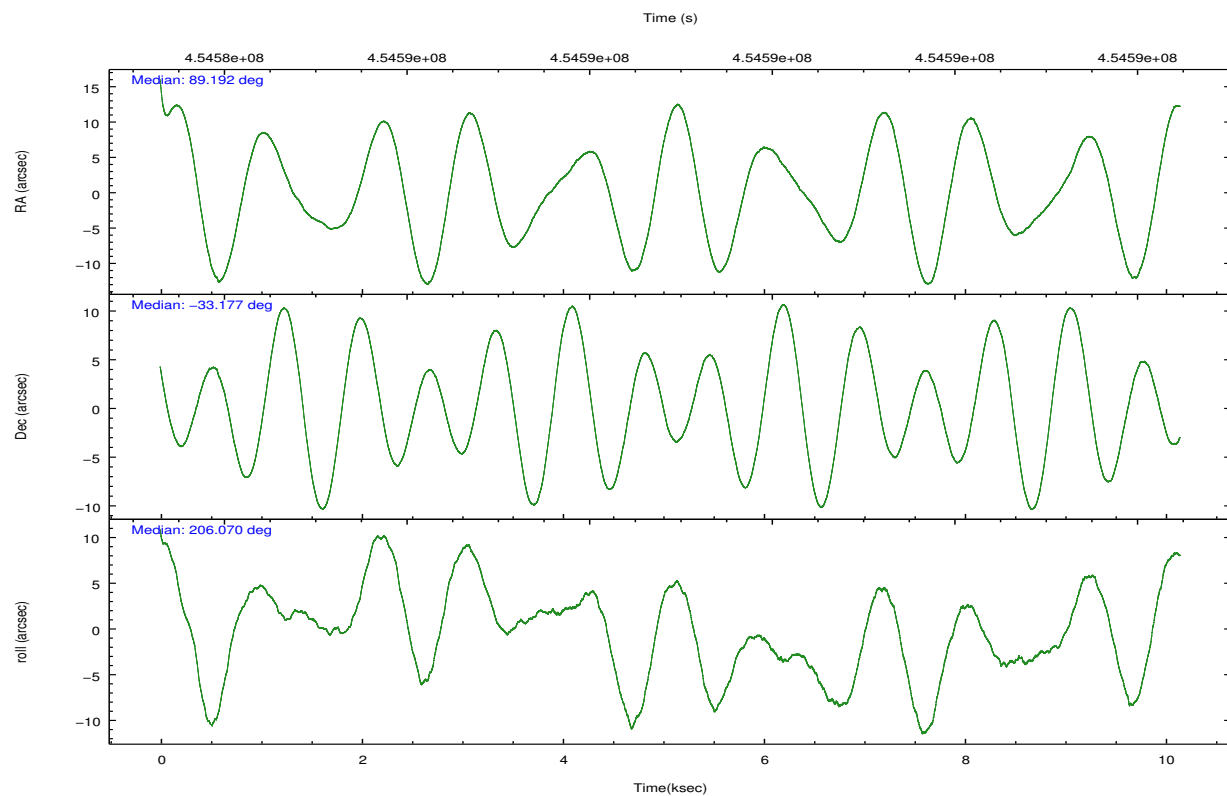
	ccd 7
grade 0 events	878
	7%
grade 1 events	24
	0%
grade 2 events	1426
	11%
grade 3 events	935
	7%
grade 4 events	861
	7%
grade 5 events	1118
	9%
grade 6 events	2605
	21%
grade 7 events	4326
	35%

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	89.209951	89.19215320925092	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-33.154086	-33.17699829927821	Subarray start row	449	449
[deg] Pointing Roll	205.923017	206.0699017335078	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)	454583943.184000	454582829.85024			
Observation start date	2012-05-28T09:17:57	2012-05-28T09:00:29			
[s] Observation end time (MET)	454593943.184000	454594774.68837			
Observation end date	2012-05-28T12:04:37	2012-05-28T12:19:34			
Read mode	TIMED	TIMED			

2.3 Aspect



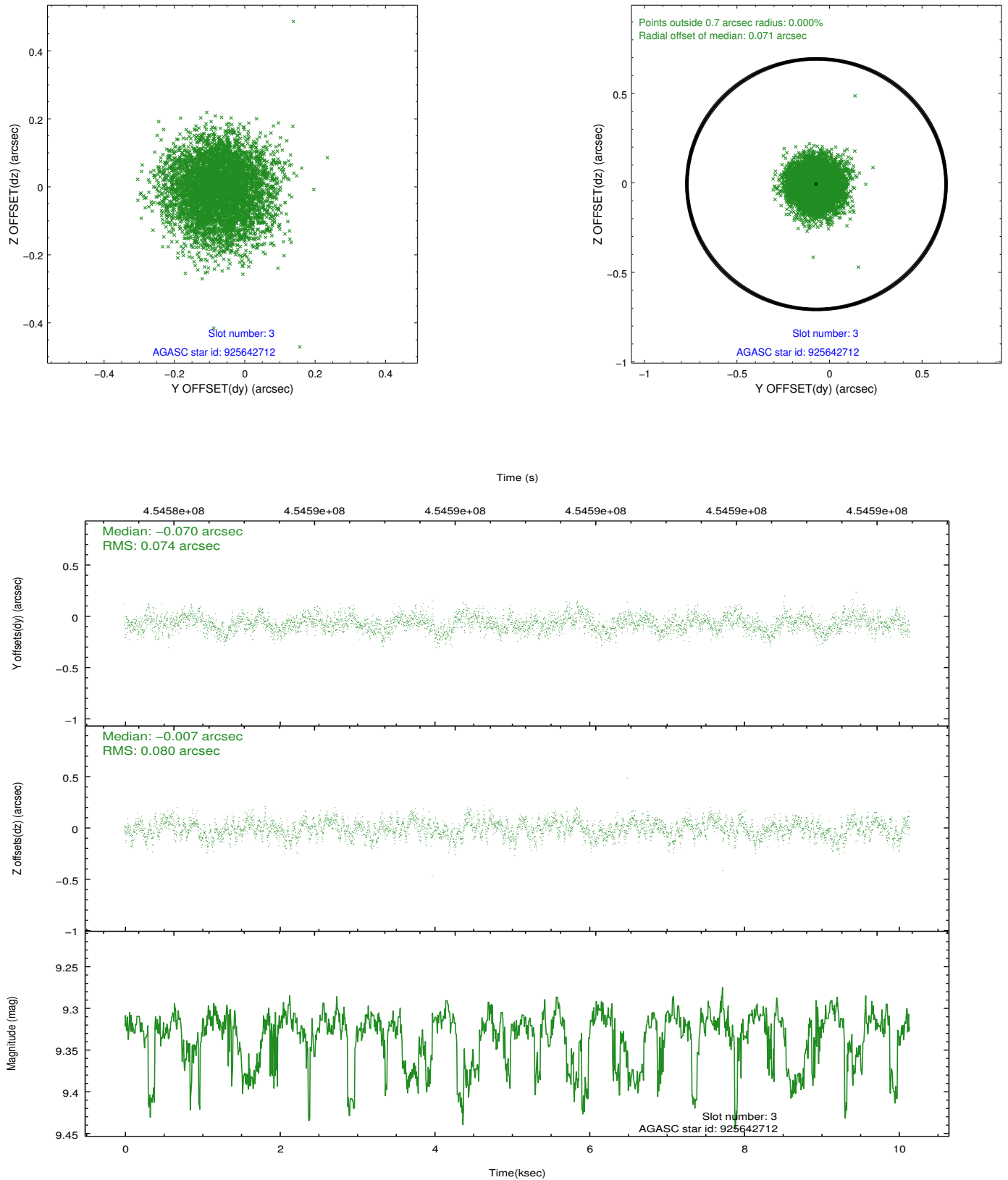


Slot Statistics

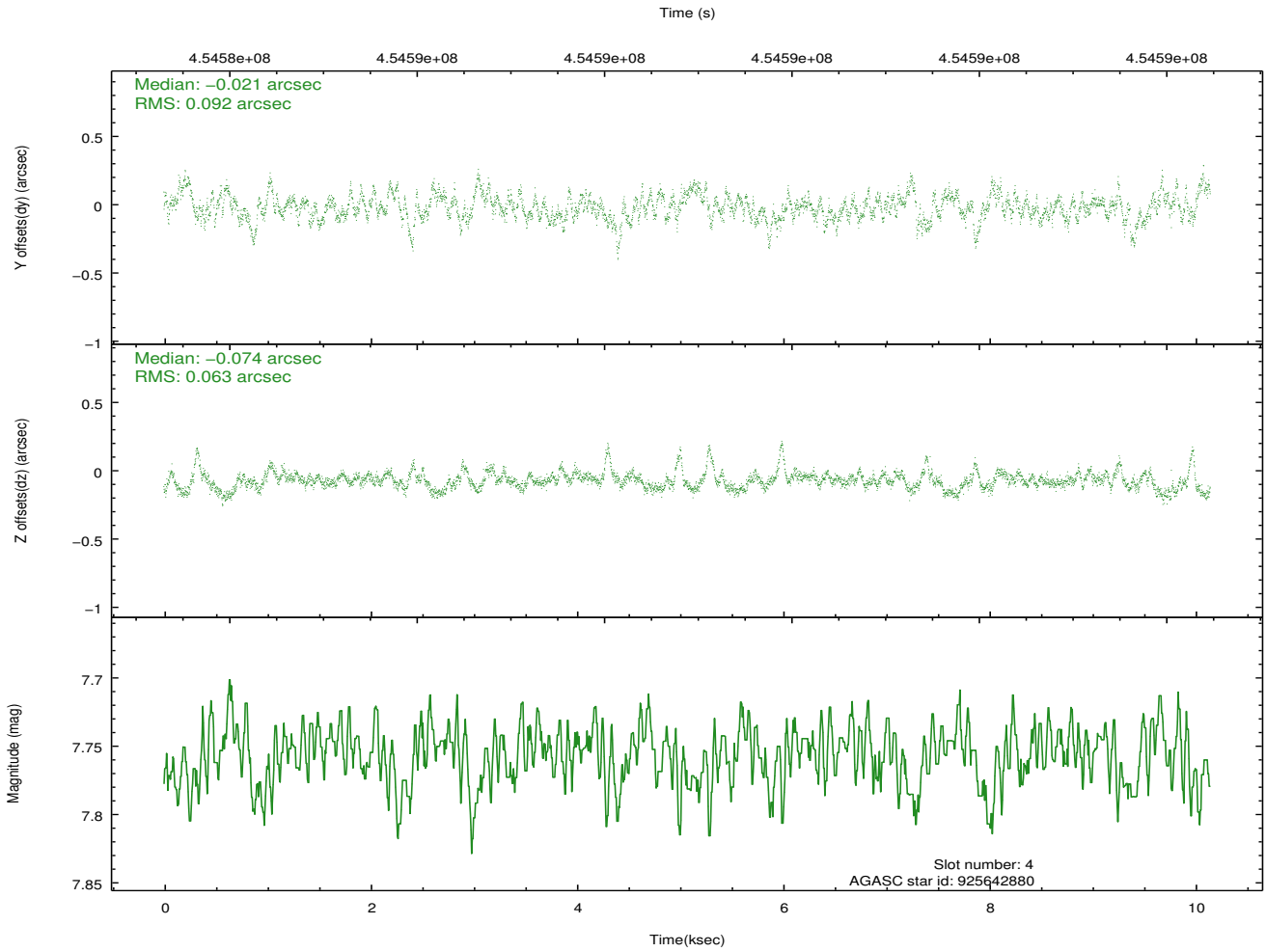
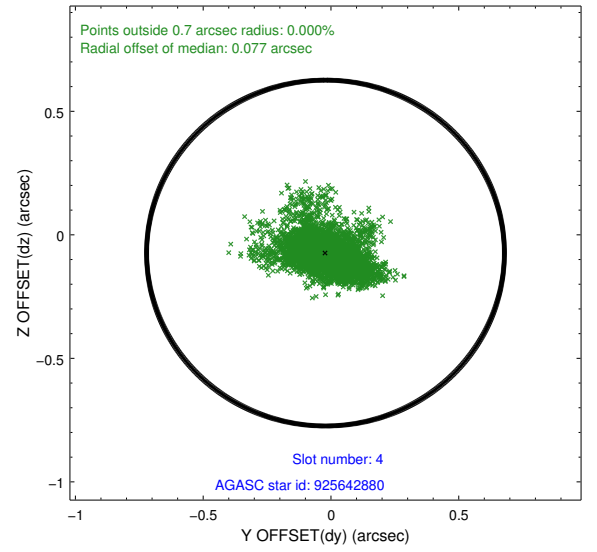
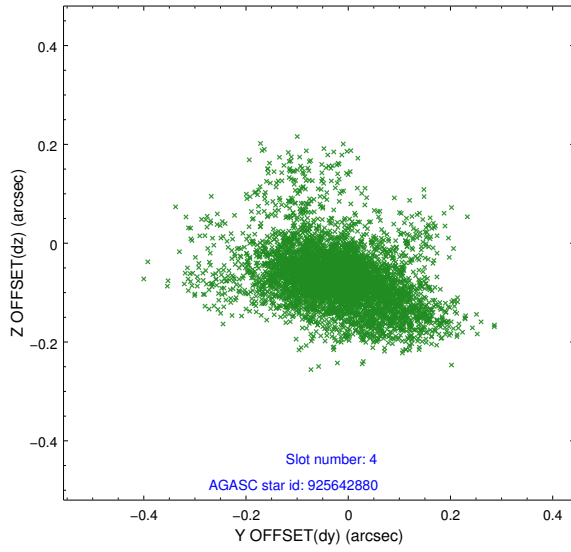
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	2475	0.063	-0.059	0.029	0.040	0.000000	0.000000	928.79	-1732.35
1	FID	ACIS-S-5	7.05	2476	-0.156	0.027	0.007	0.012	0.000000	0.000000	-1820.16	164.72
2	FID	ACIS-S-6	7.15	2475	0.071	0.047	0.026	0.051	0.000000	0.000000	393.76	809.31
3	GUIDE	925642712	9.33	4929	-0.070	-0.007	0.118	0.183	89.246145	-33.485552	424.16	1120.84
4	GUIDE	925642880	7.76	4951	-0.021	-0.074	0.111	0.214	89.133148	-33.434507	648.90	807.13
5	GUIDE	925645552	7.59	4950	-0.136	-0.037	0.082	0.132	88.738097	-33.665766	2078.31	1041.62
6	GUIDE	925643520	9.24	4944	0.119	-0.003	0.119	0.191	88.970468	-33.727415	1548.76	1544.29
7	GUIDE	926158304	8.63	4945	0.109	0.115	0.078	0.131	88.773773	-33.925420	2387.08	1930.50

2.4 Star Slots

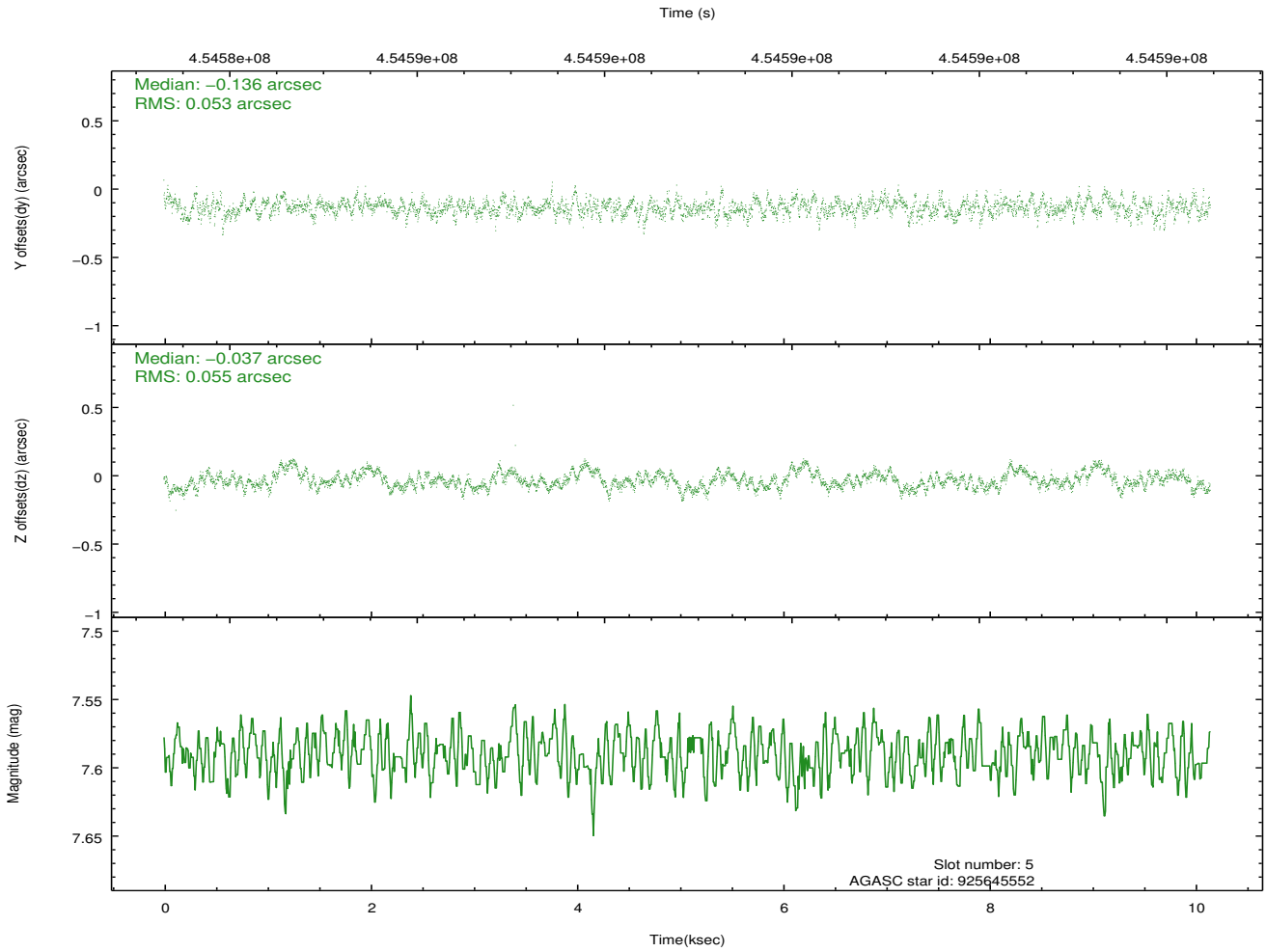
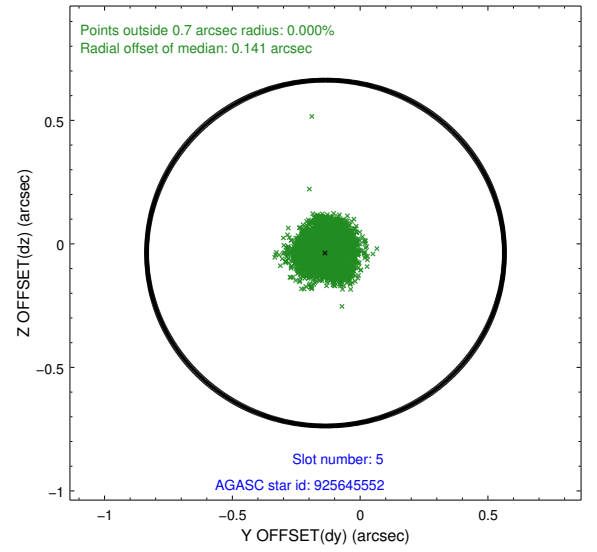
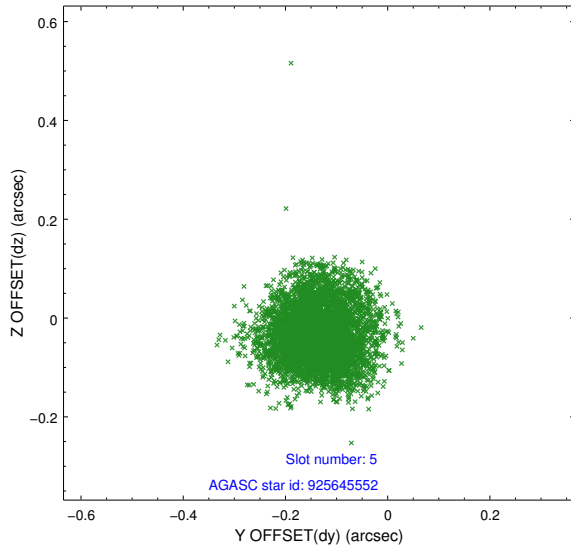
2.4.1 Slot 3



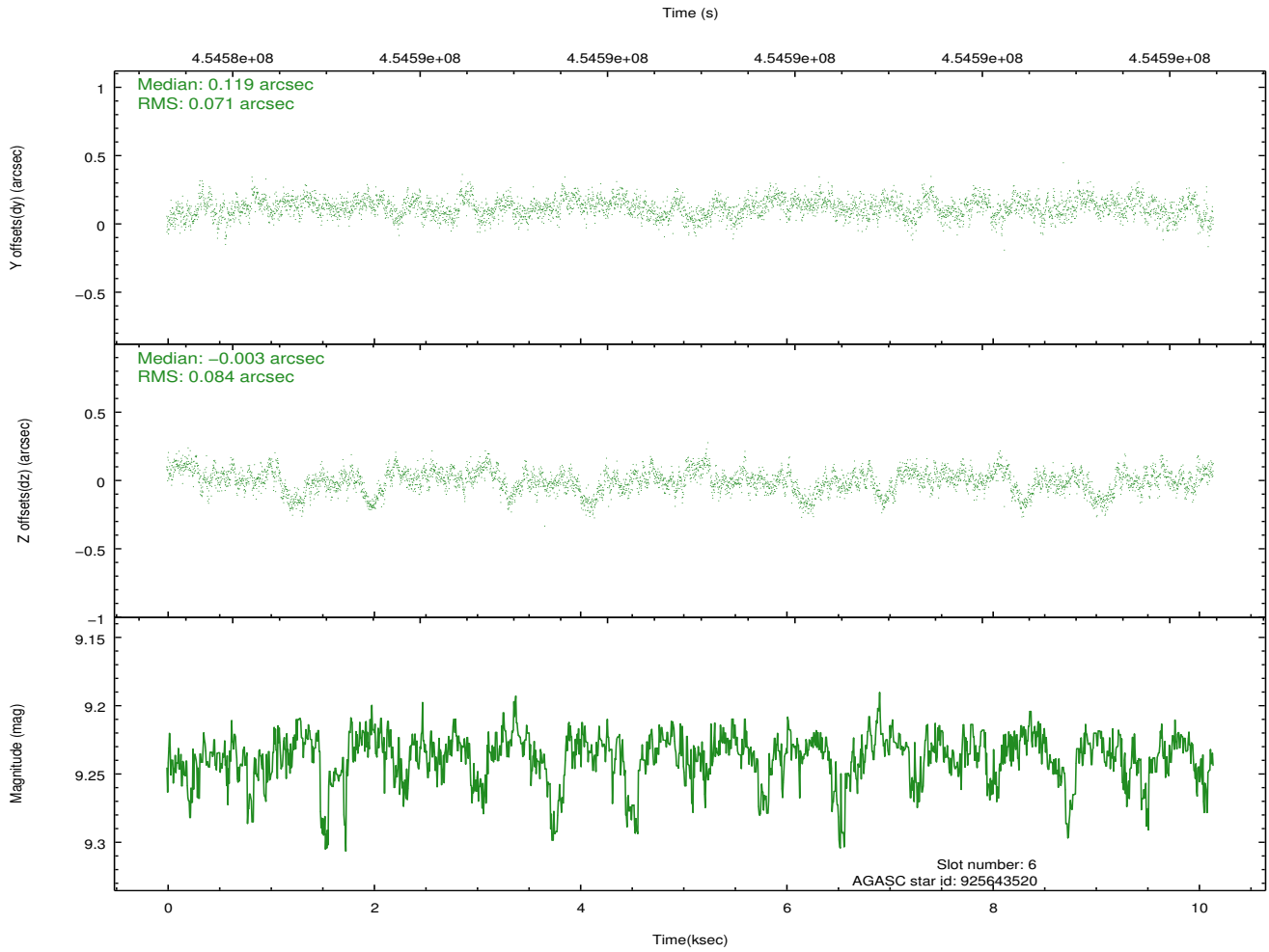
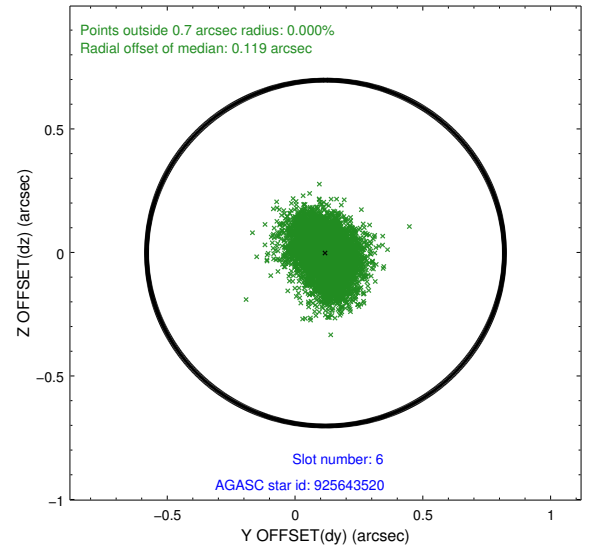
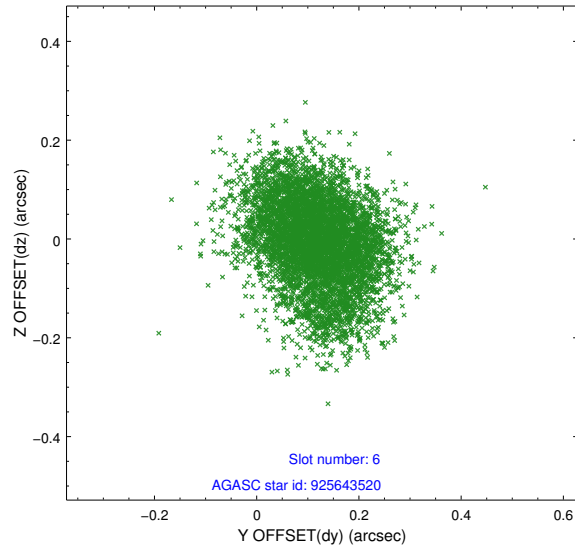
2.4.2 Slot 4



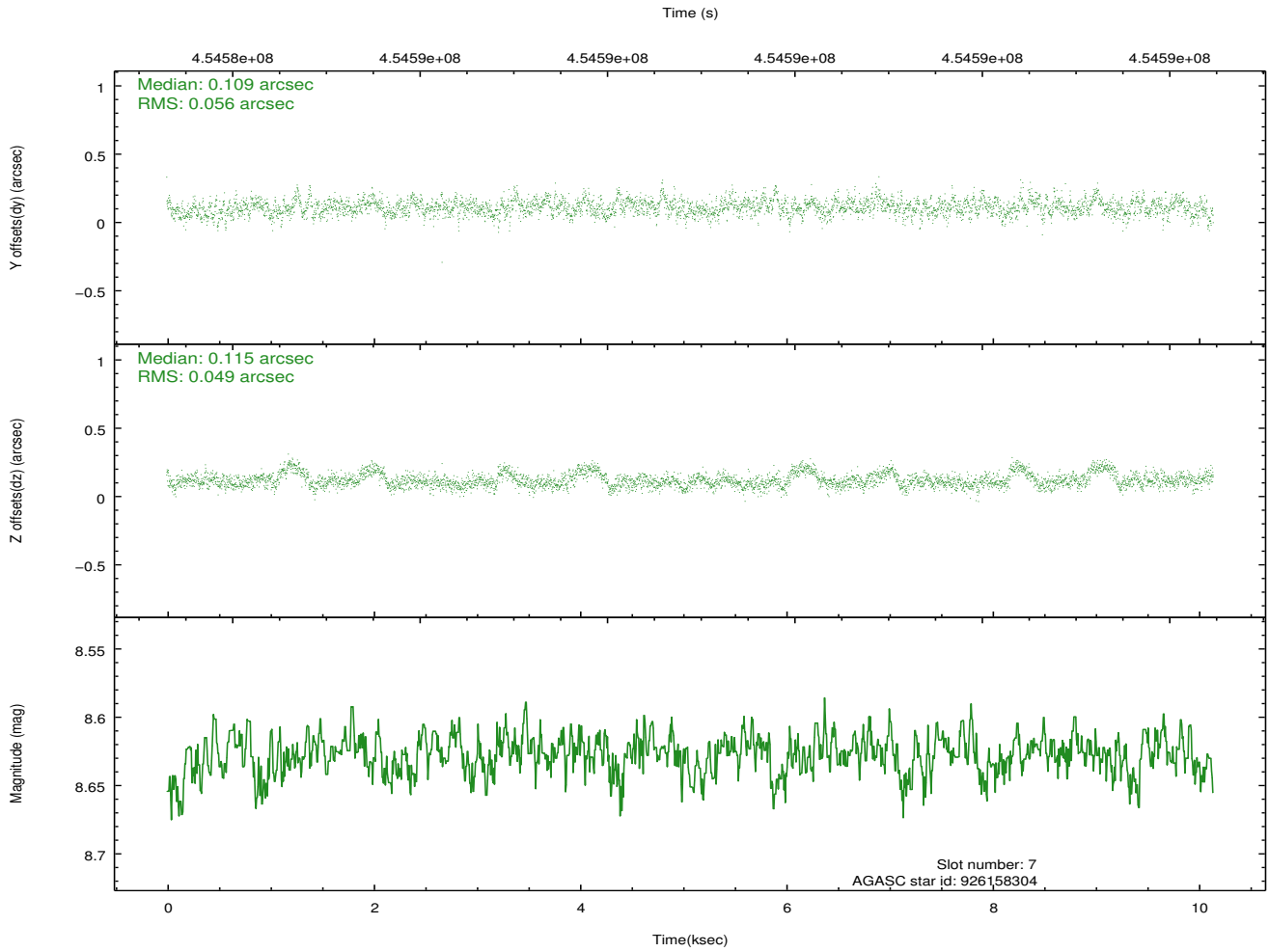
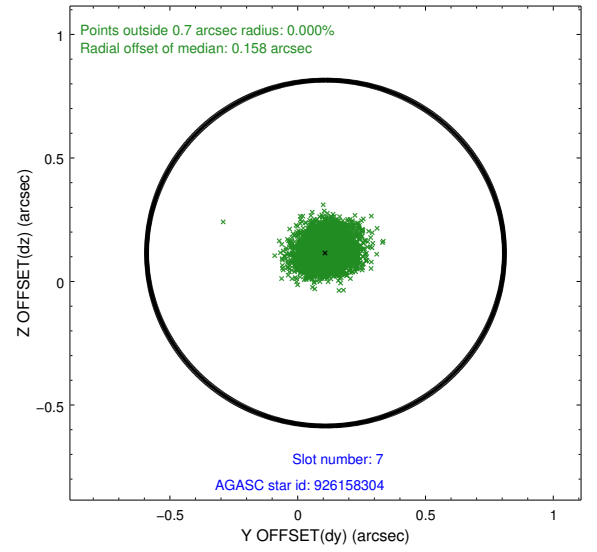
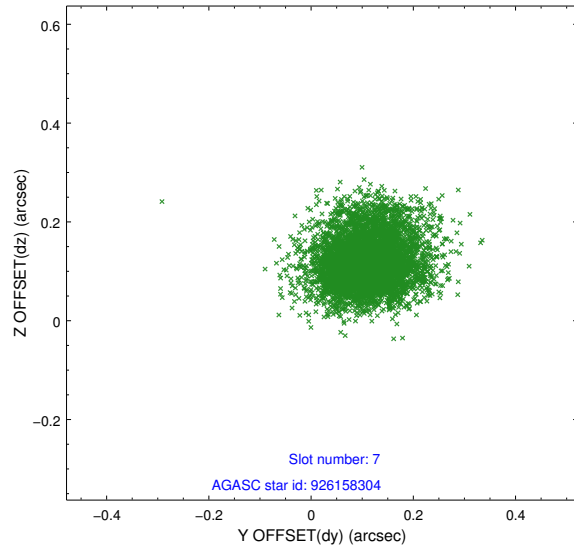
2.4.3 Slot 5



2.4.4 Slot 6

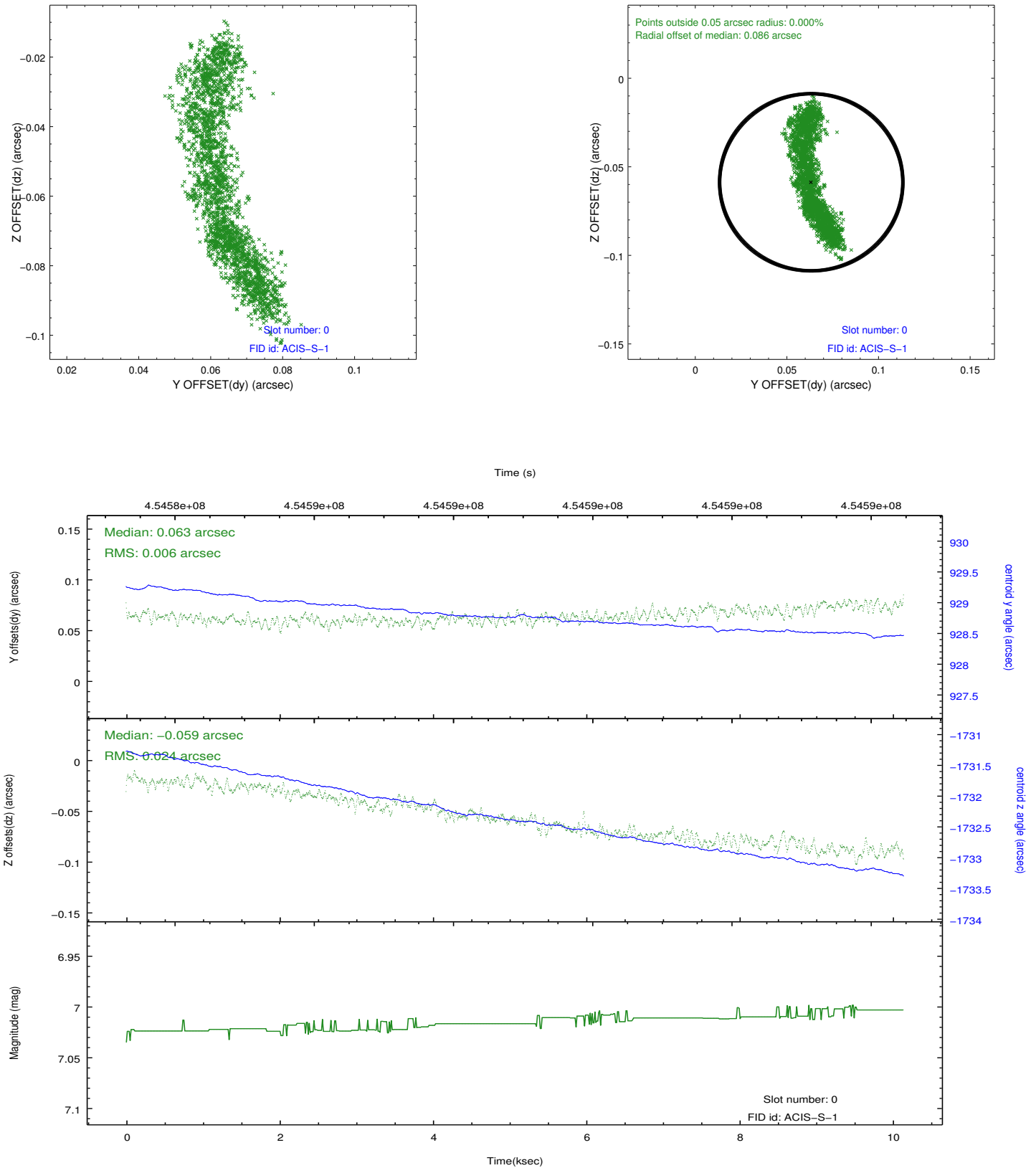


2.4.5 Slot 7

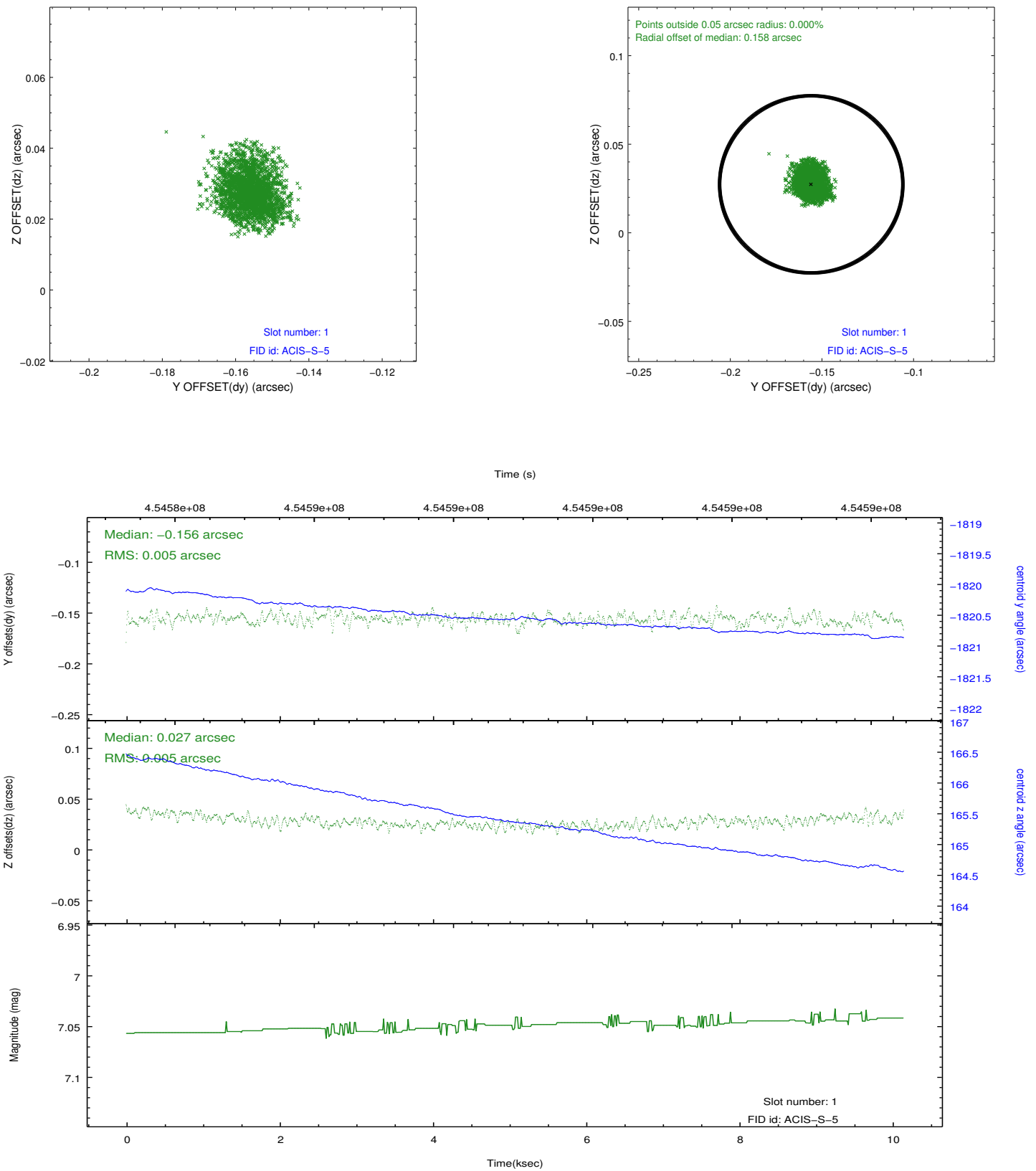


2.5 FID Slots

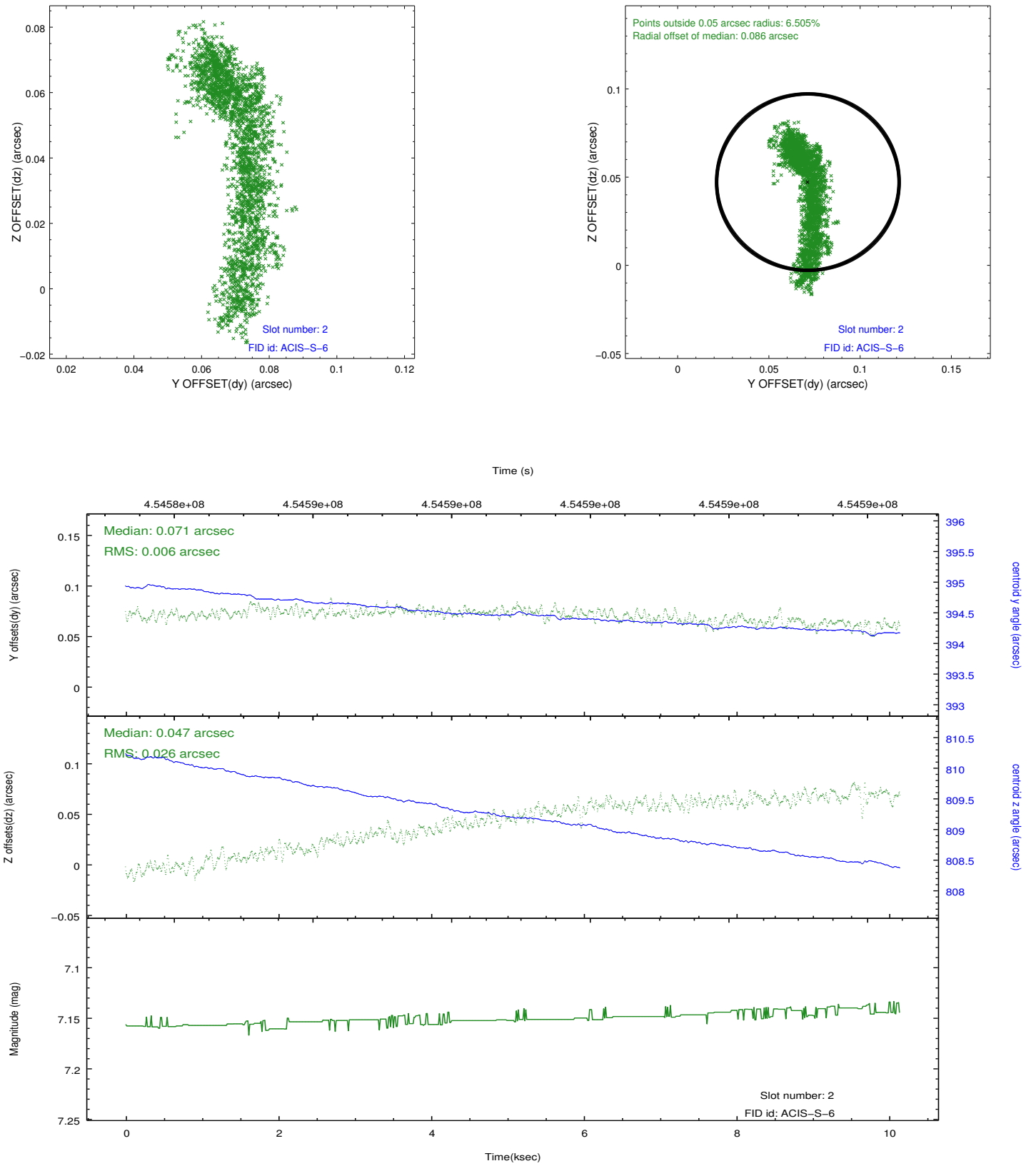
2.5.1 Slot 0



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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069199399829

A.2 Comments