

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13080 - L2 Version 4
Chandra X-Ray Center

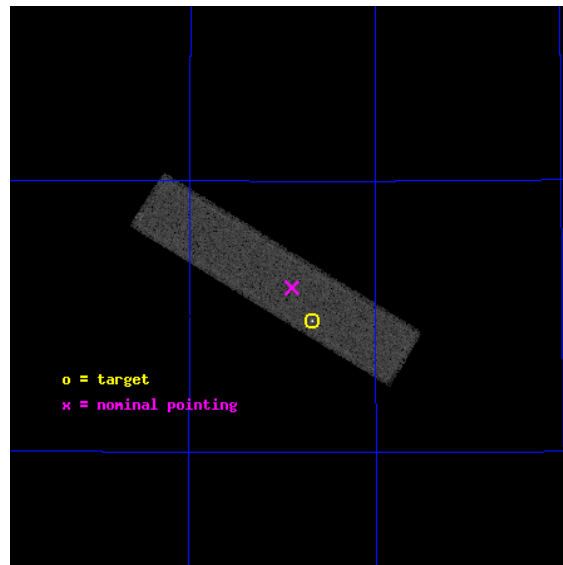
L2 Processing Date : Aug 9 2012

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1 Front

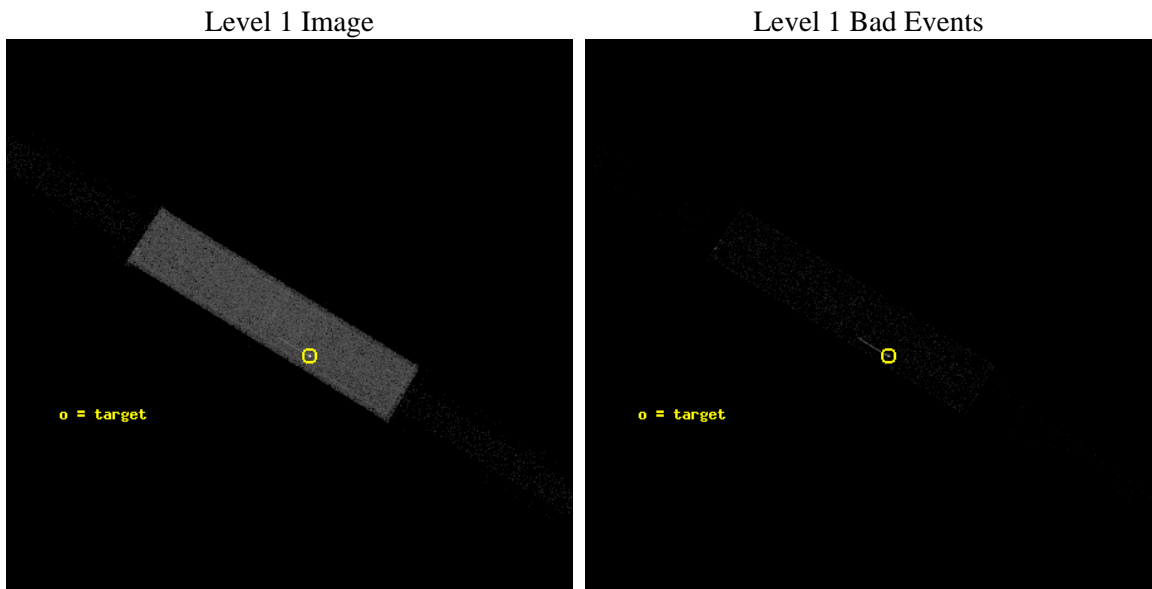
seq_num	290999	Sequence number
obs_id	13080	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22492159862	Nominal RA [deg]
dec_nom	45.803574481086	Nominal Dec [deg]
roll_nom	211.35235772382	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1151.3313103318	[s]
livetime	1143.2281693644	Ontime multiplied by DTCOR
l2events	60243	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1151.3313103318	[s]
caldsver	4.5.1.1	 	l1events	94113	Number of level 1 events
date	2012-08-10T01:49:15	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

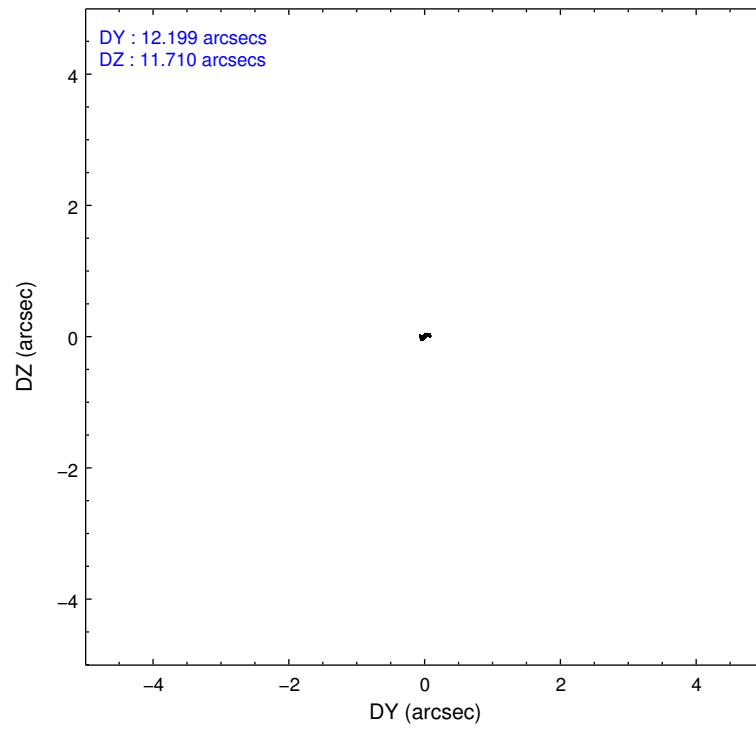
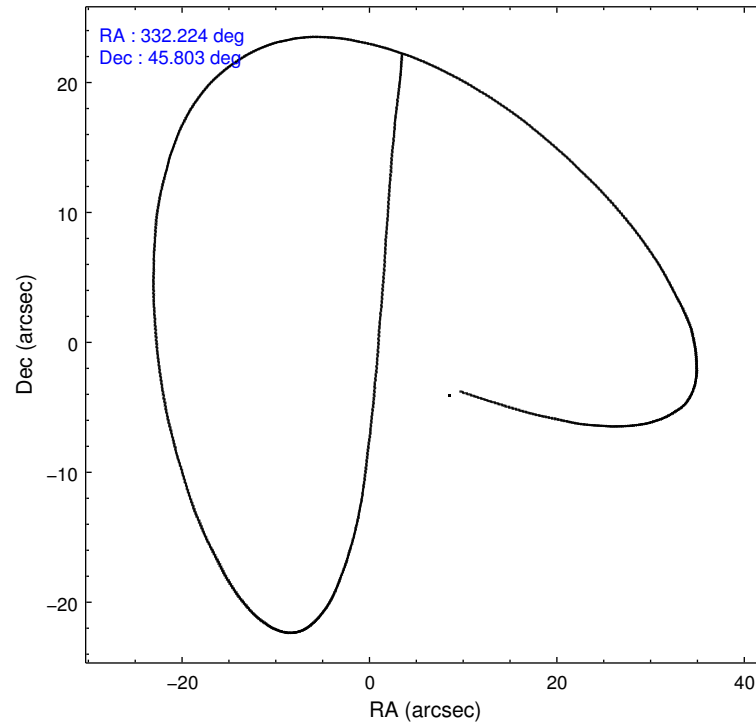
Level 1 Events

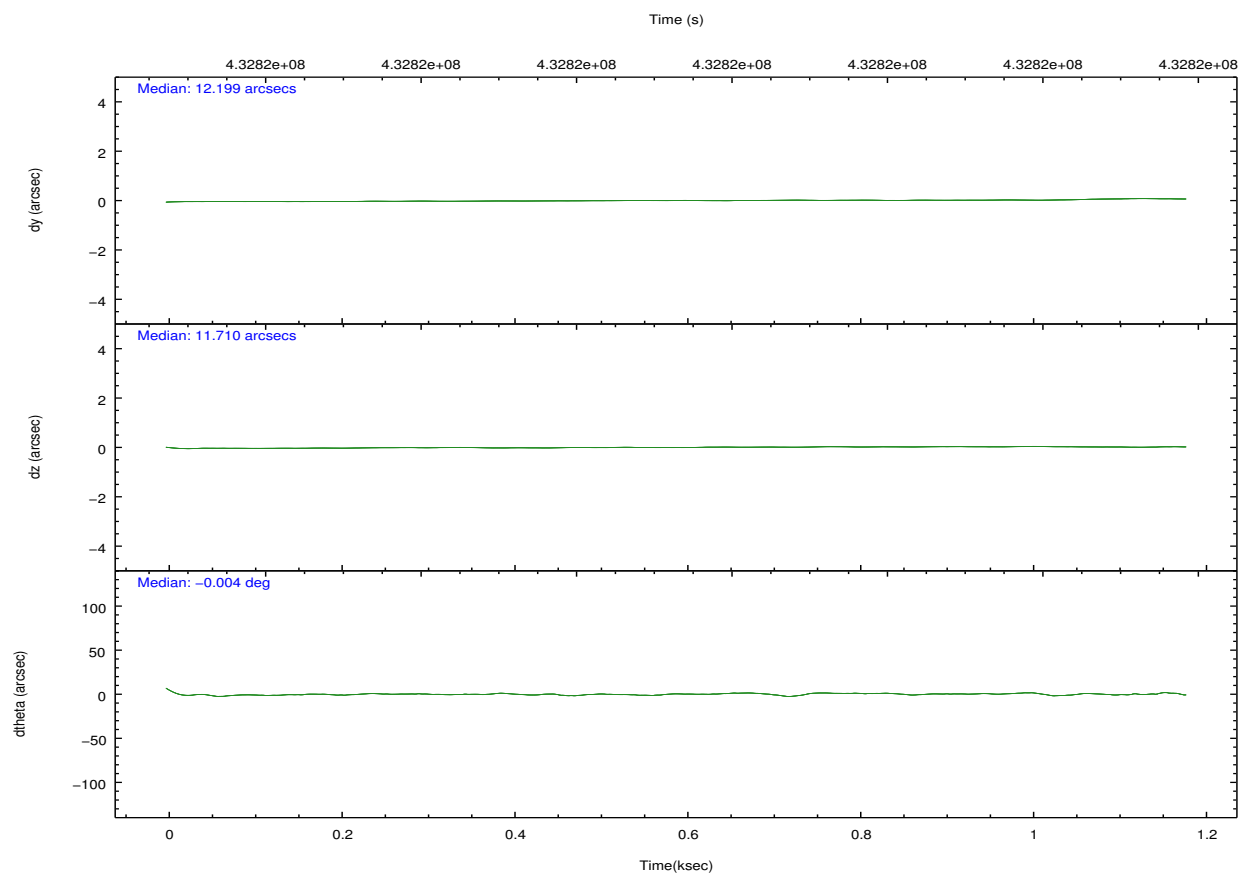
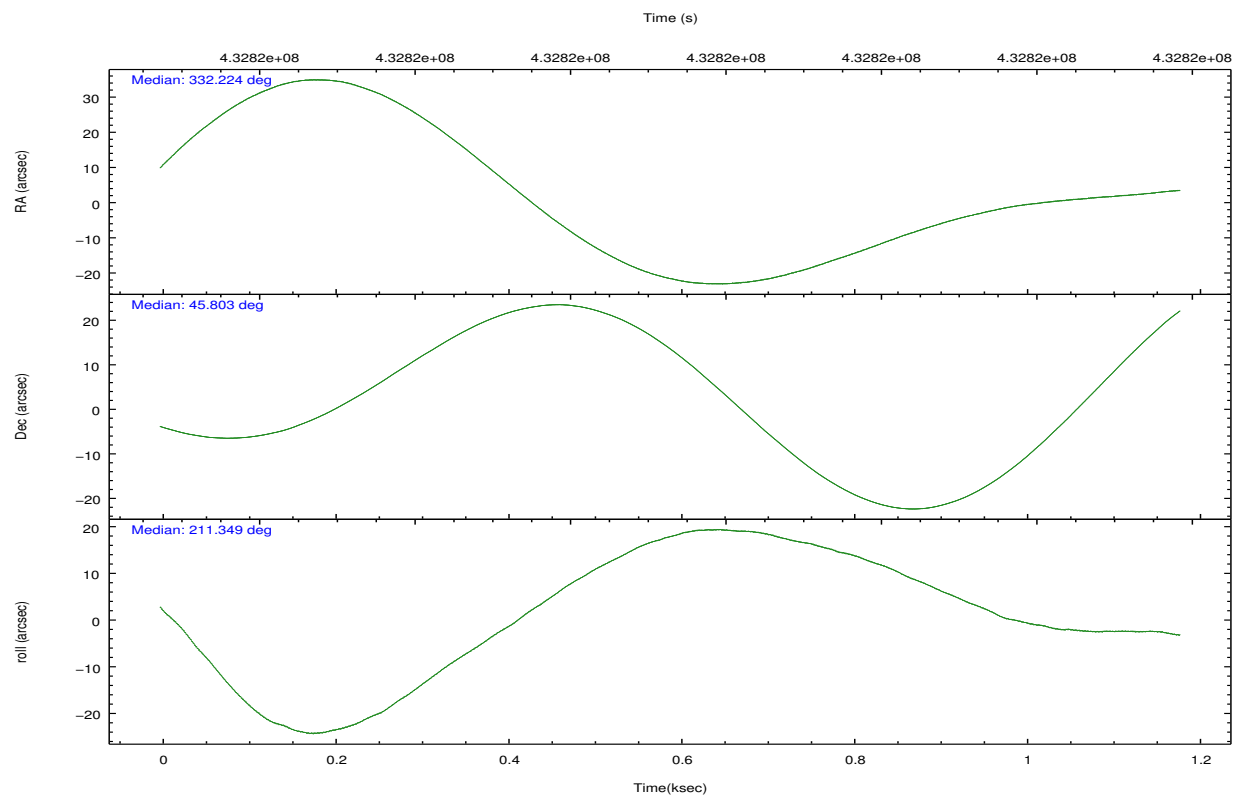
	segment 1	segment 2	segment 3
level 1 events	878	92336	899
rejected events	878	21317	899
rejected %	100%	23%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.241938	332.2249215986216			
[deg] Pointing Dec	45.830157	45.80357448108608			
[deg] Pointing Roll	211.272744	211.3523577238163			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	432820112.184000	432819735.7628			
Observation start date	2011-09-19T11:47:26	2011-09-19T11:42:15			
[s] Observation end time (MET)	432821112.184000	432821246.10038			
Observation end date	2011-09-19T12:04:06	2011-09-19T12:07:26			

2.3 Aspect



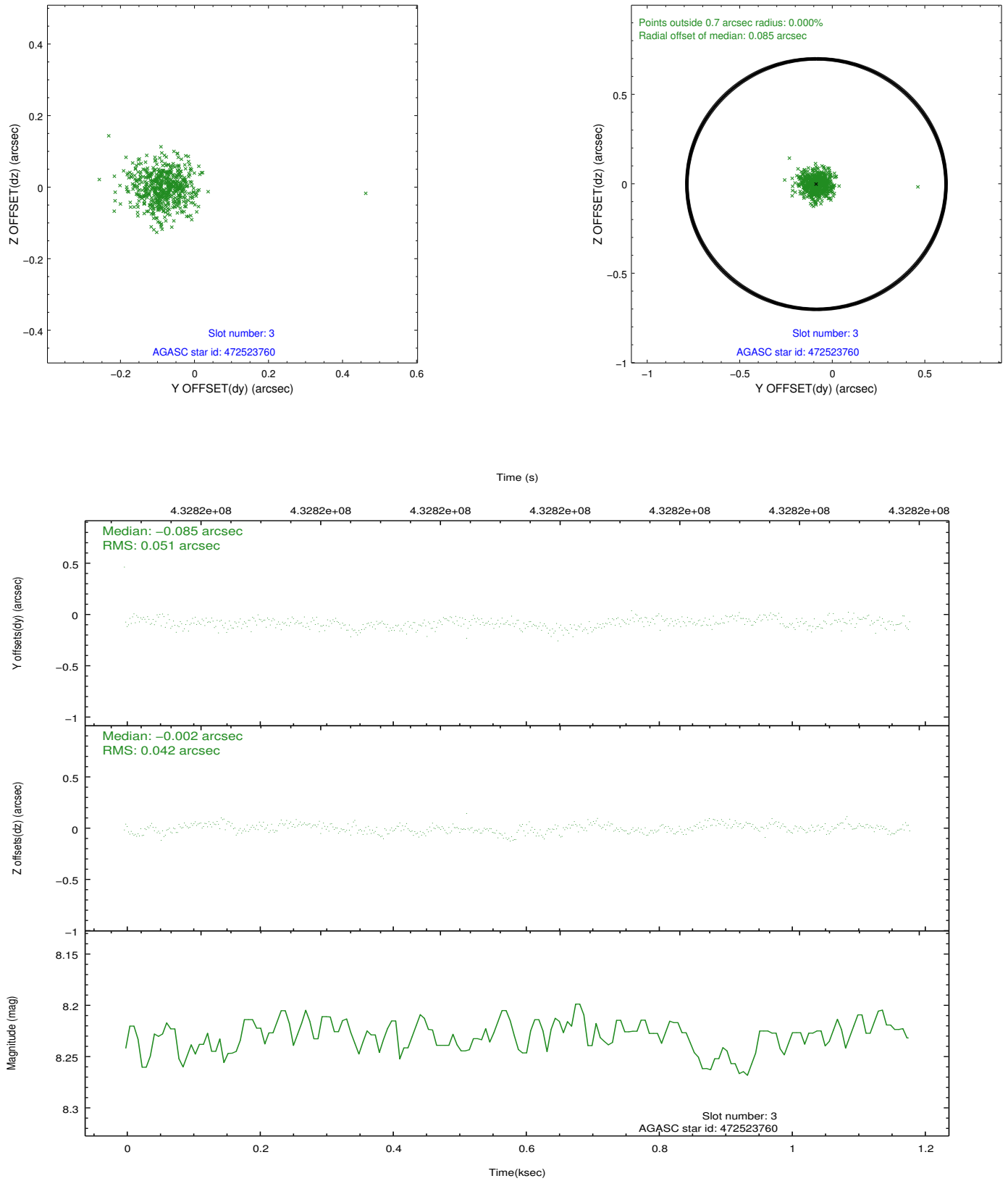


Slot Statistics

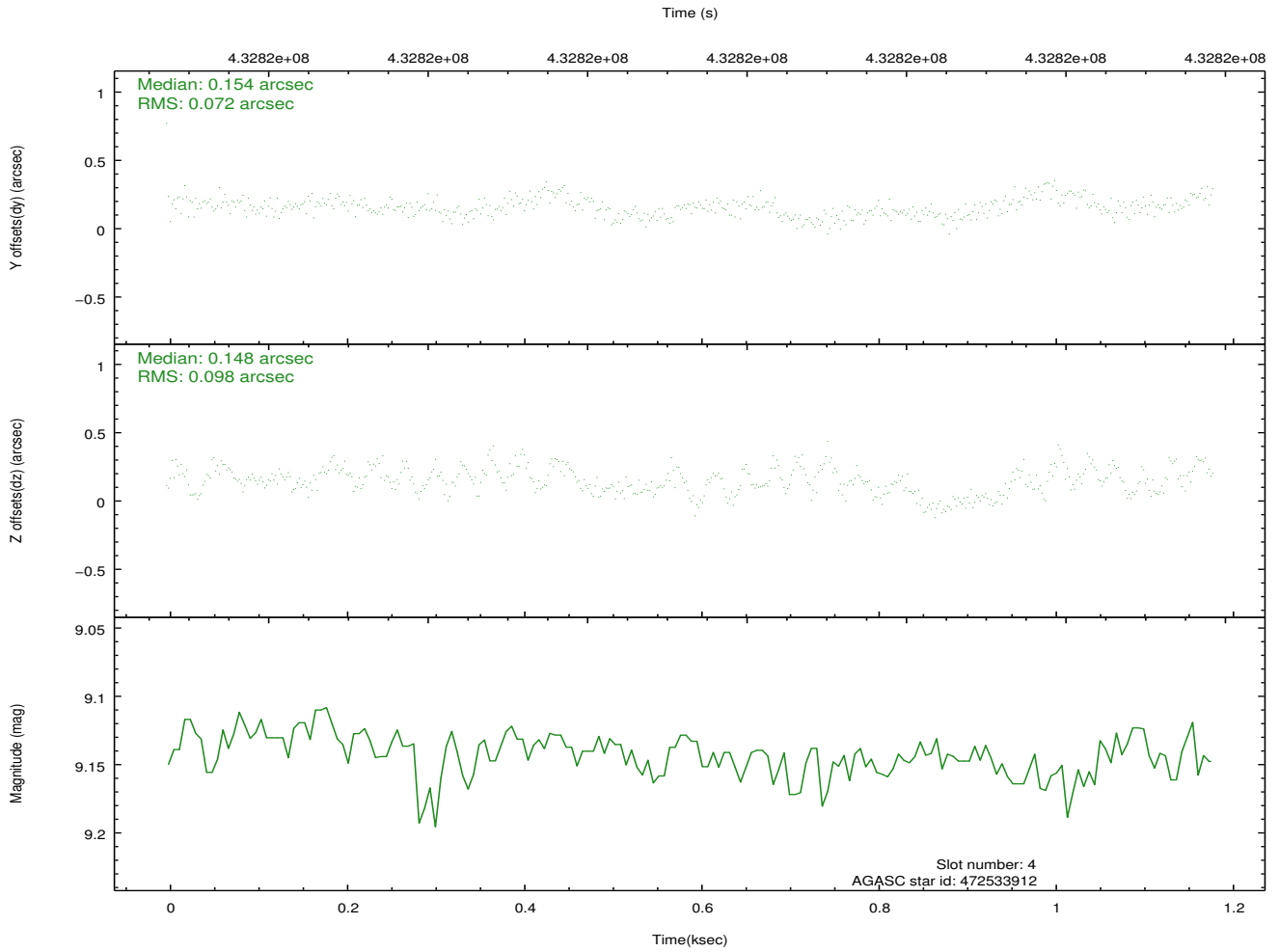
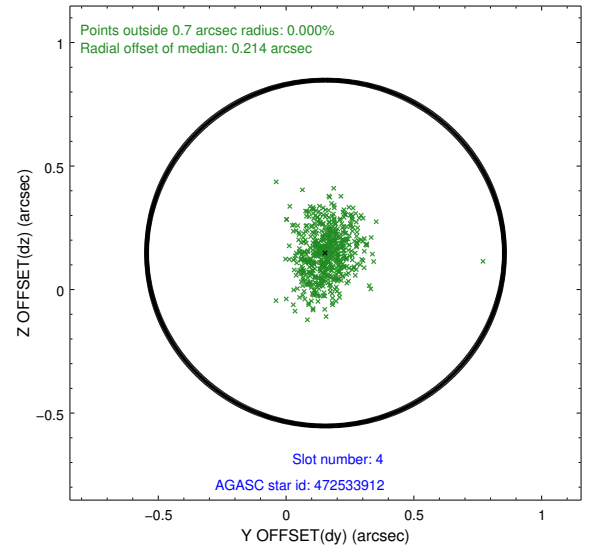
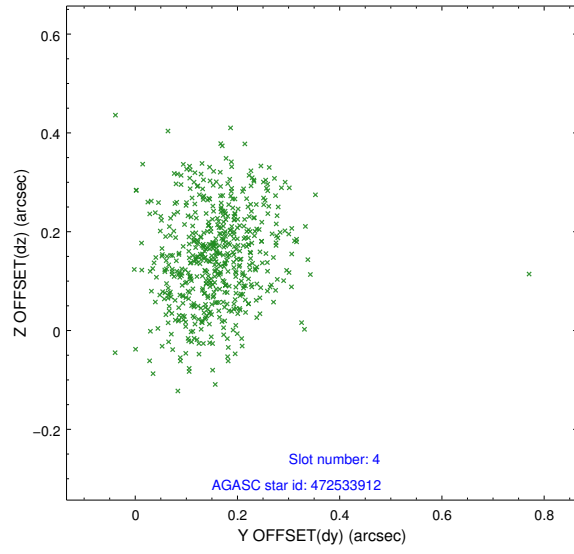
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	288	0.192	-0.152	0.009	0.016	0.000000	0.000000	1233.25	-453.02
1	FID	HRC-S-3	6.98	288	-0.043	-0.074	0.005	0.013	0.000000	0.000000	-1165.09	567.61
2	FID	HRC-S-4	6.93	288	0.257	-0.070	0.010	0.021	0.000000	0.000000	1227.84	573.75
3	GUIDE	472523760	8.23	577	-0.085	-0.002	0.065	0.107	331.645363	45.403260	2084.65	522.96
4	GUIDE	472533912	9.14	577	0.154	0.148	0.128	0.204	331.791136	46.368695	-46.13	-2243.15
5	GUIDE	472651904	6.42	577	-0.184	-0.248	0.086	0.144	332.170077	45.742257	319.42	168.62
6	GUIDE	472655152	9.40	577	0.009	-0.118	0.136	0.217	332.504239	45.862991	-622.48	236.55
7	GUIDE	472665256	9.00	575	0.109	0.239	0.095	0.154	332.808125	46.195041	-1890.42	-397.22

2.4 Star Slots

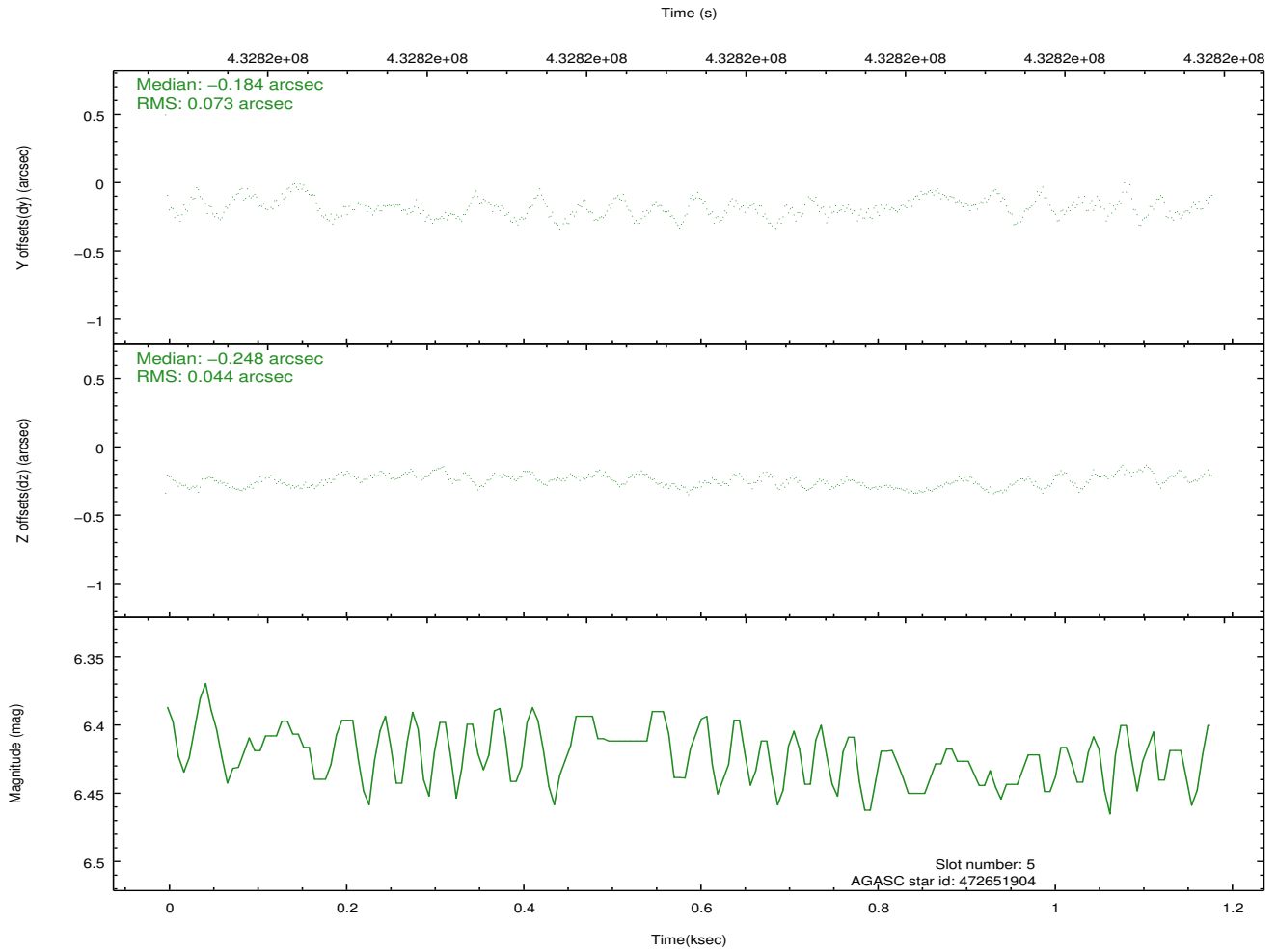
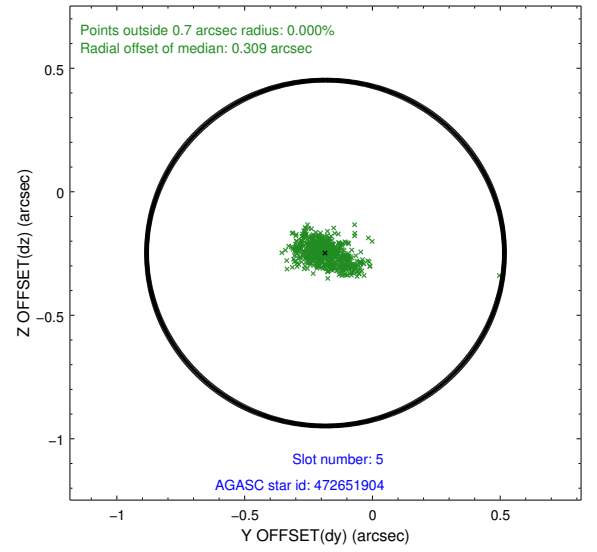
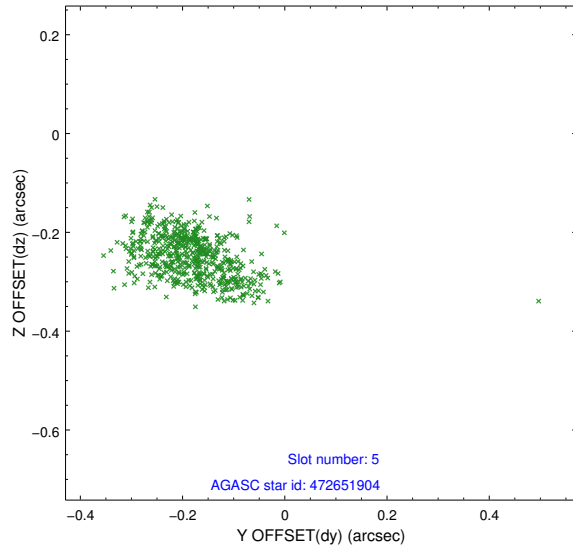
2.4.1 Slot 3



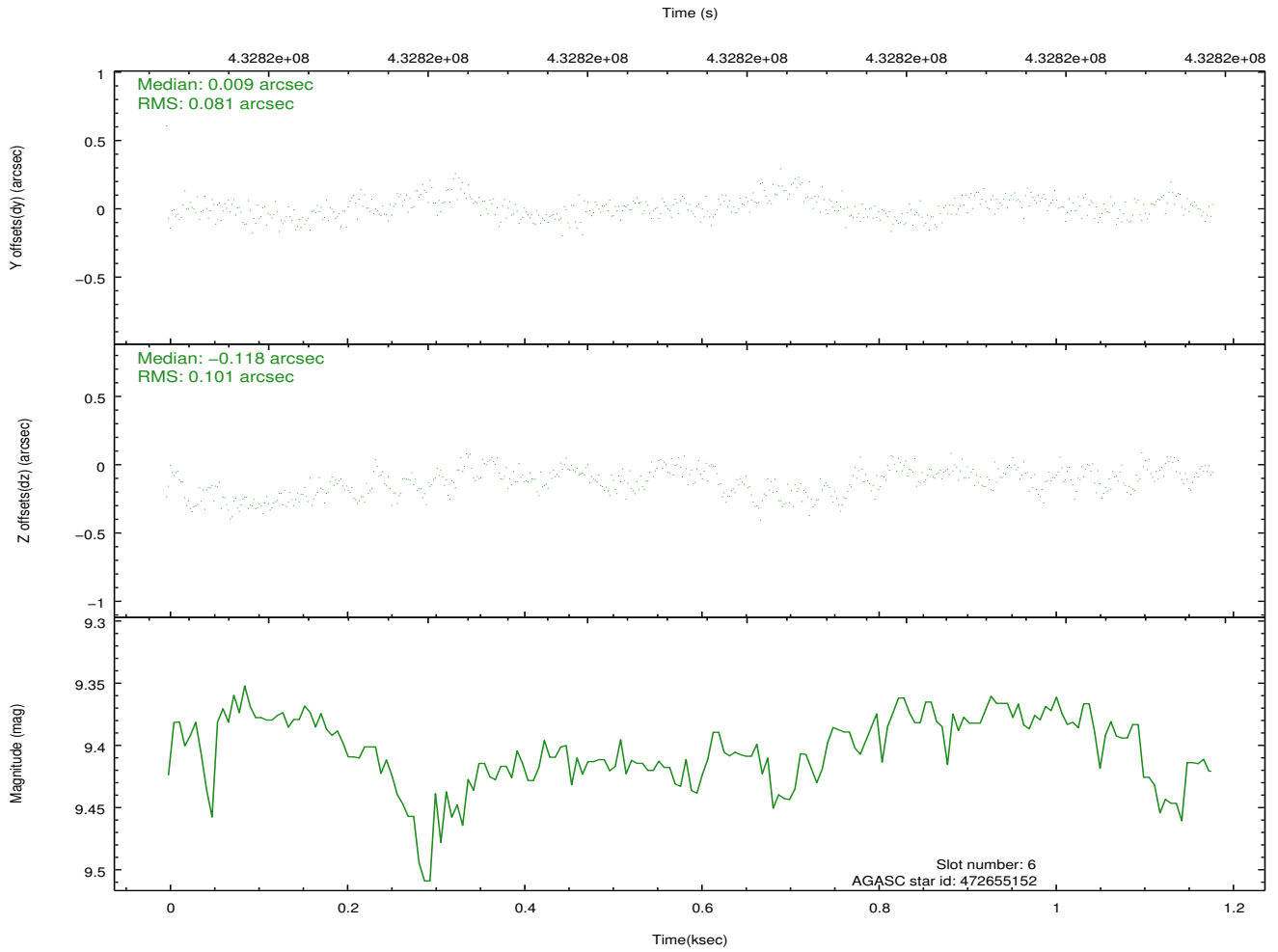
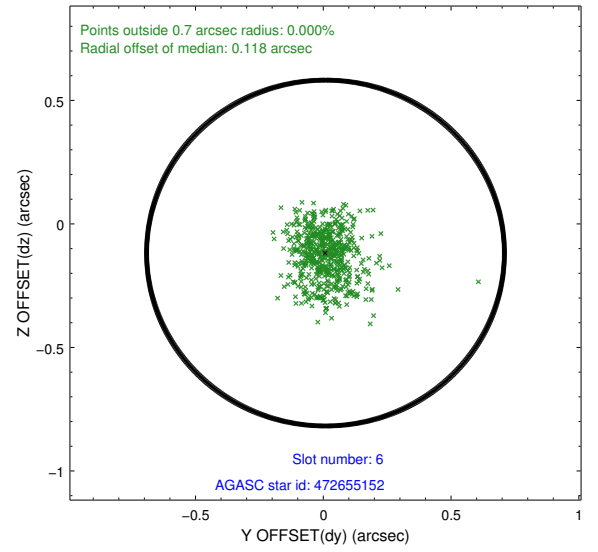
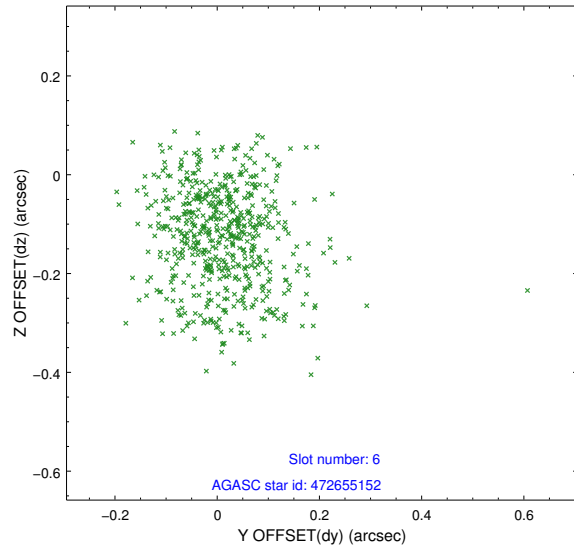
2.4.2 Slot 4



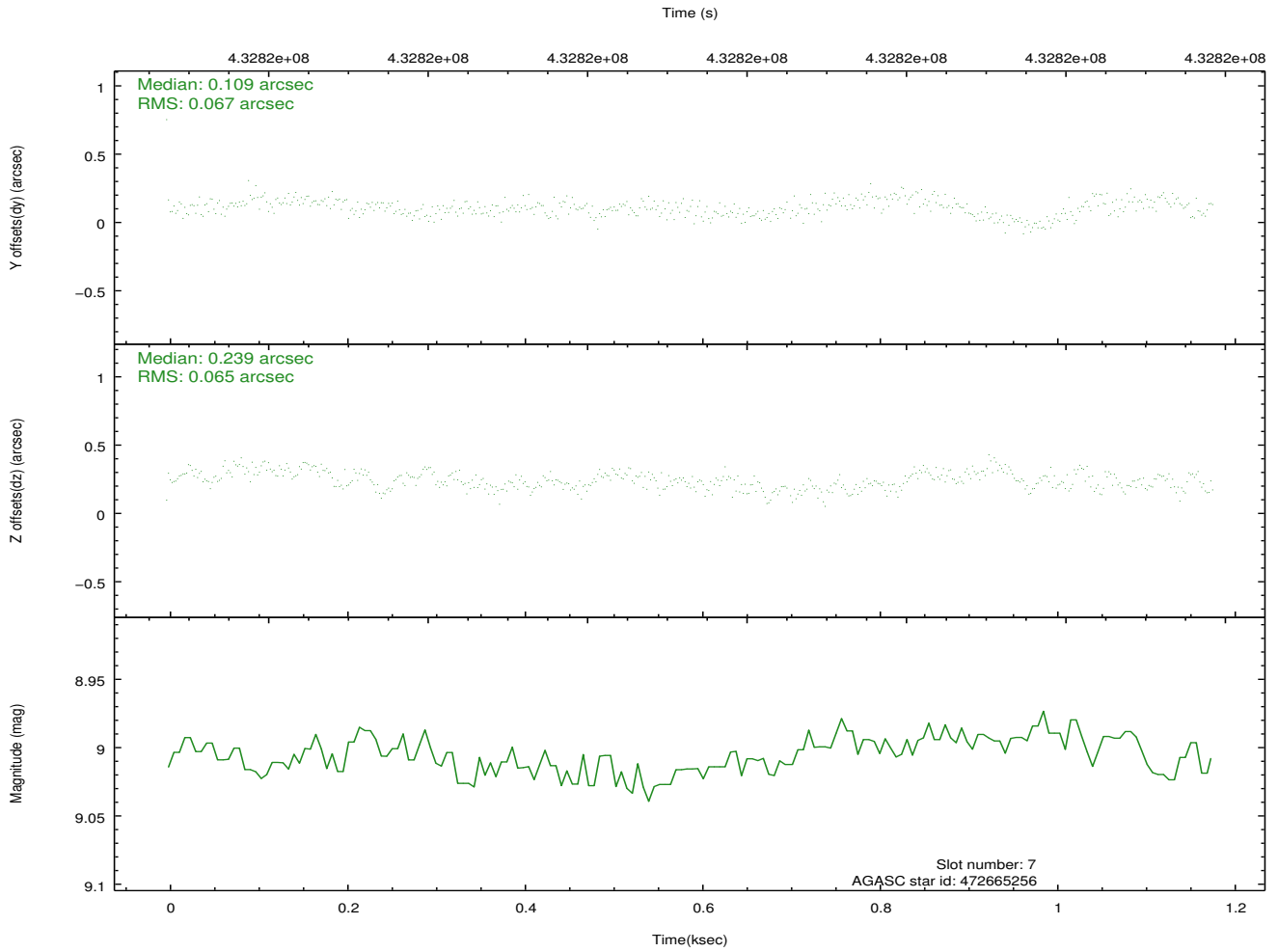
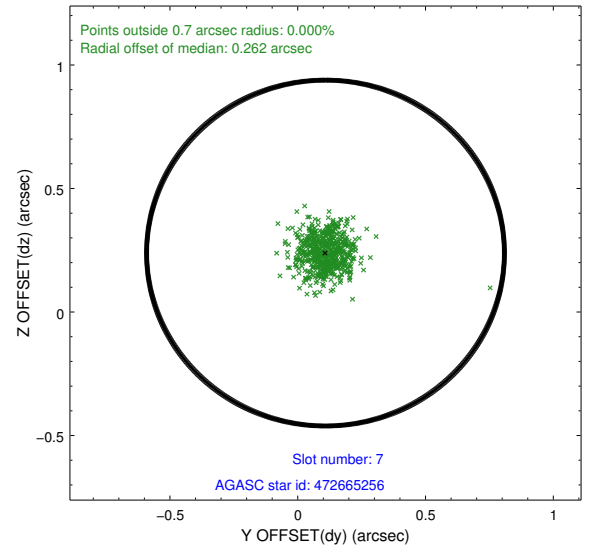
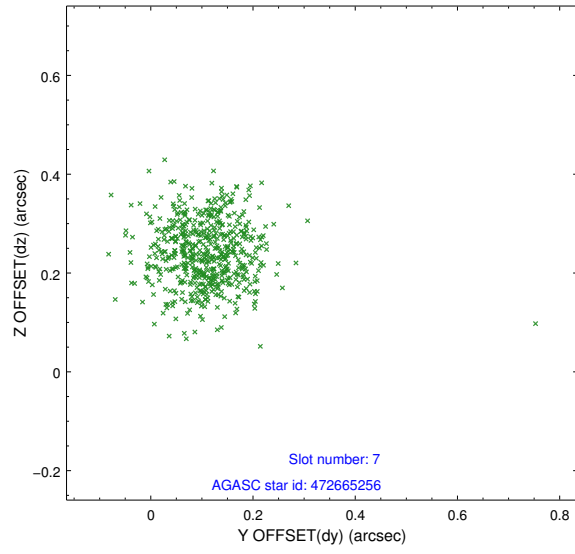
2.4.3 Slot 5



2.4.4 Slot 6

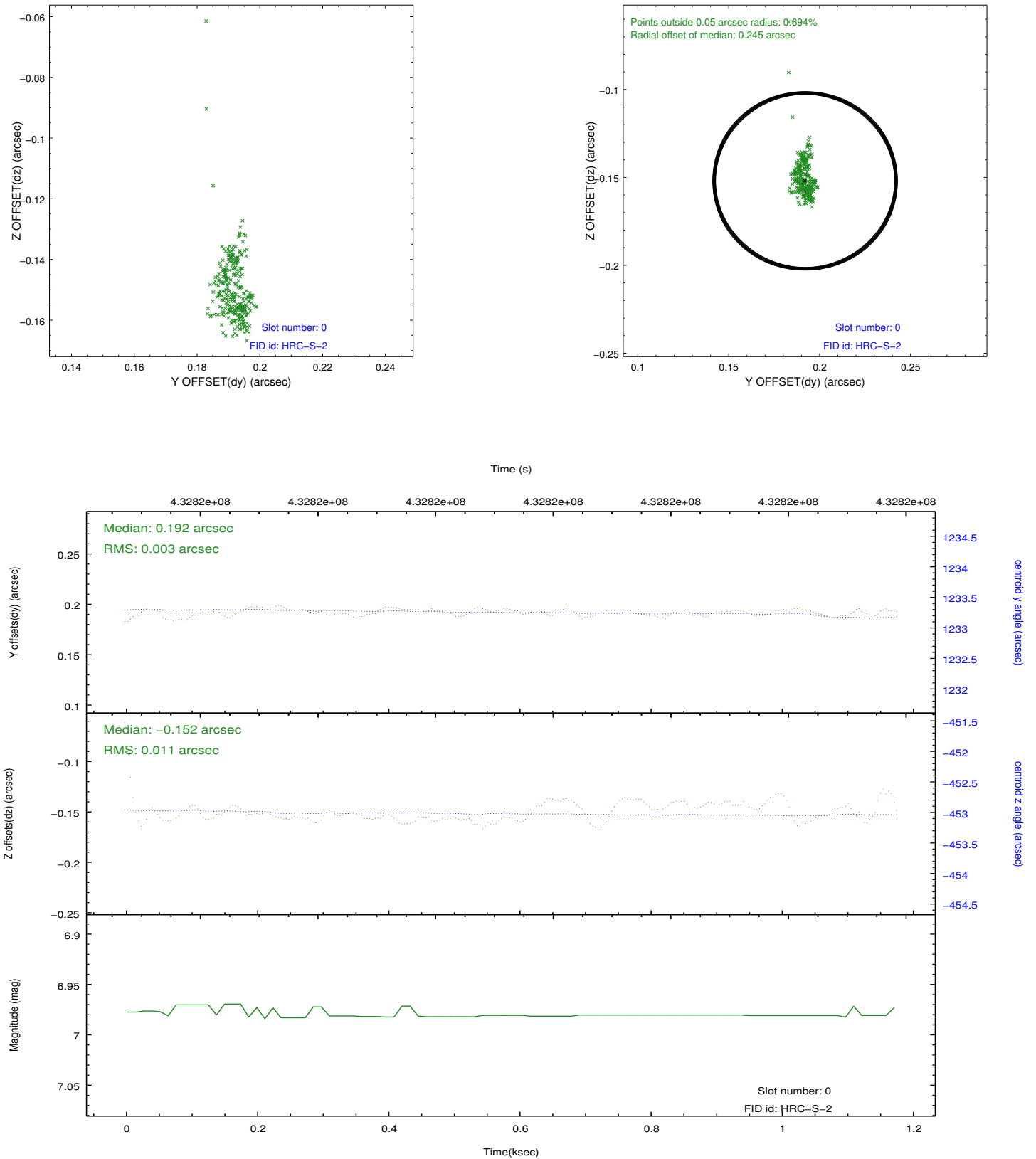


2.4.5 Slot 7

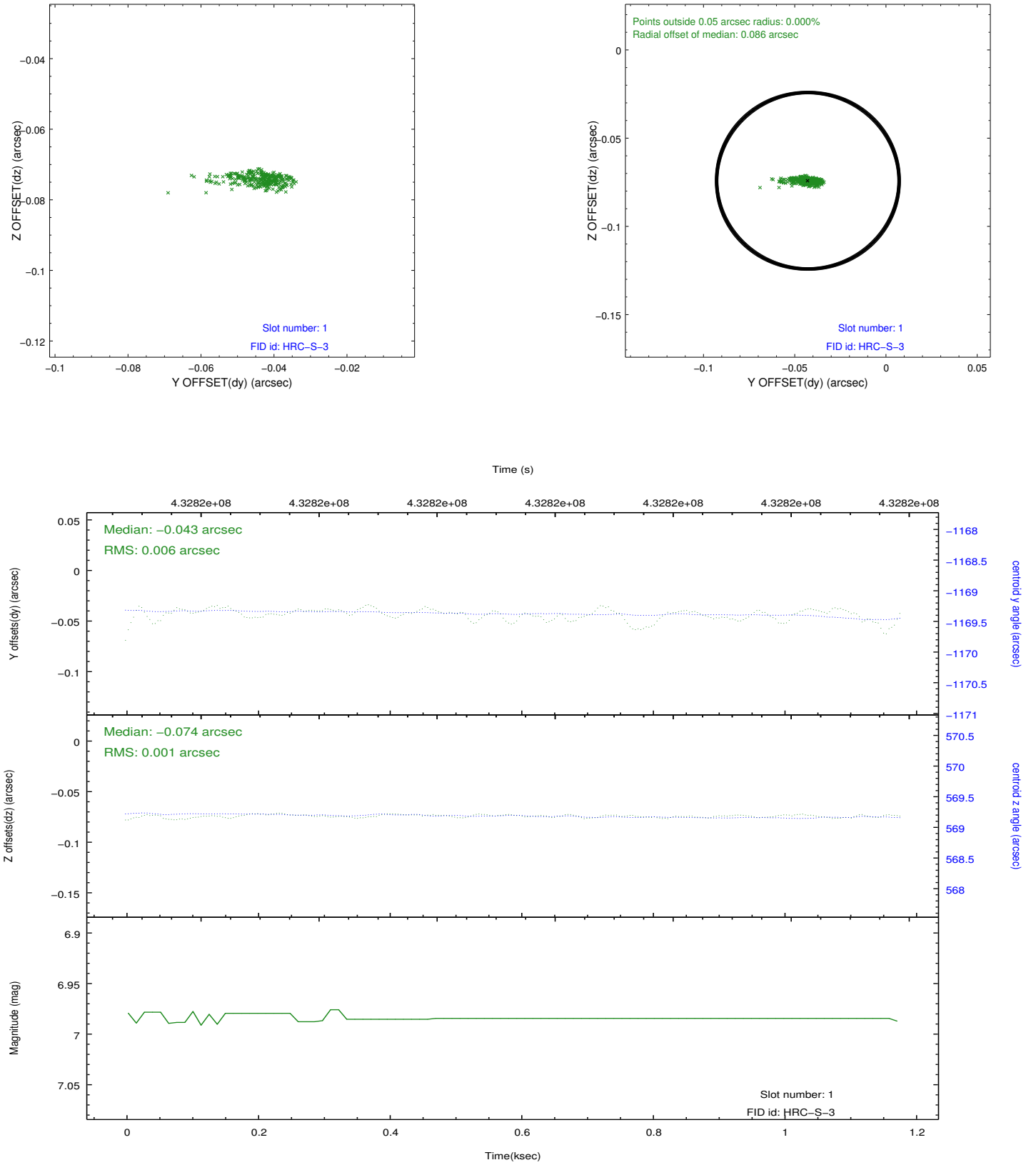


2.5 FID Slots

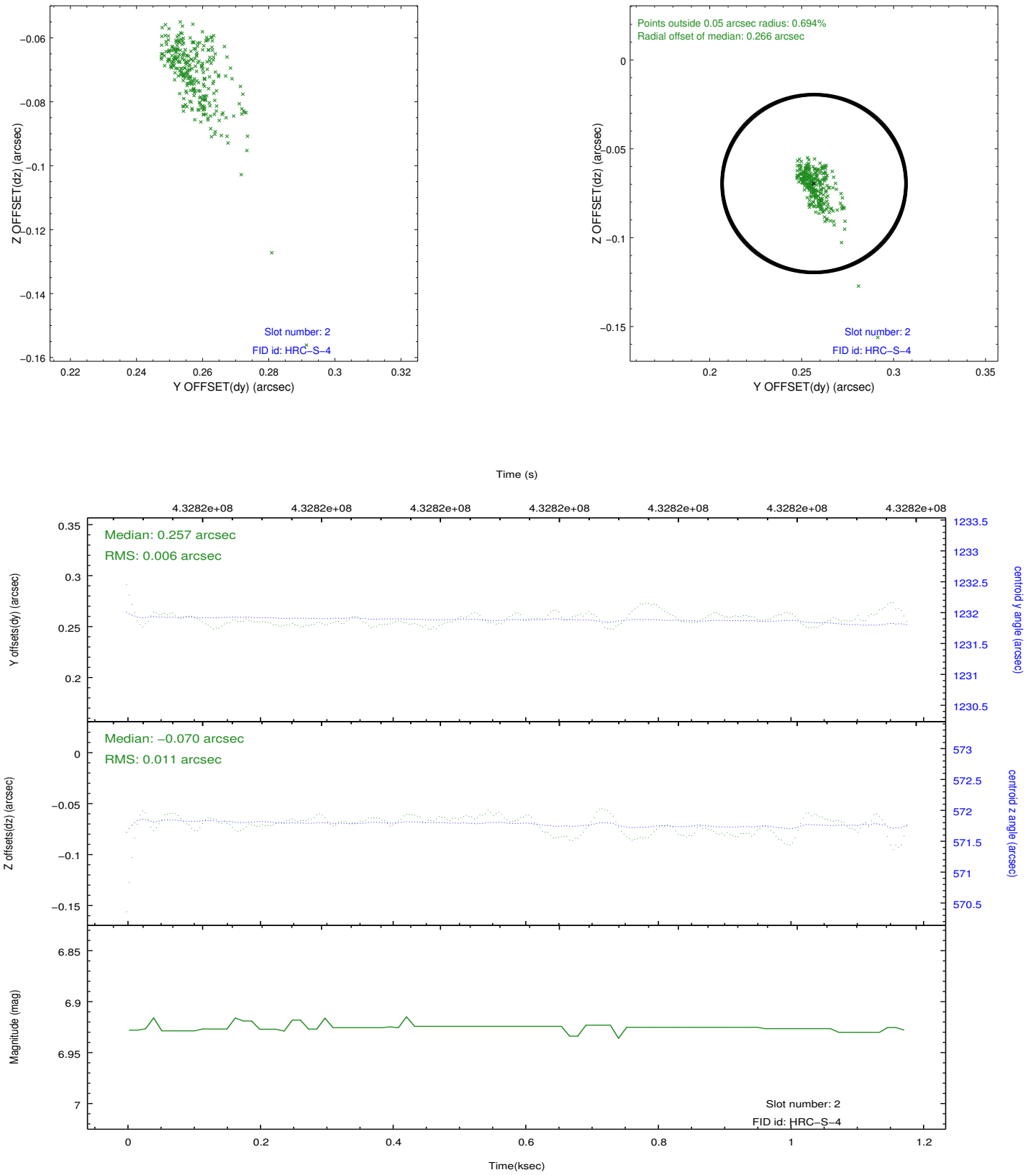
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151075060308

A.2 Comments