

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16413 - L2 Version 1
Chandra X-Ray Center

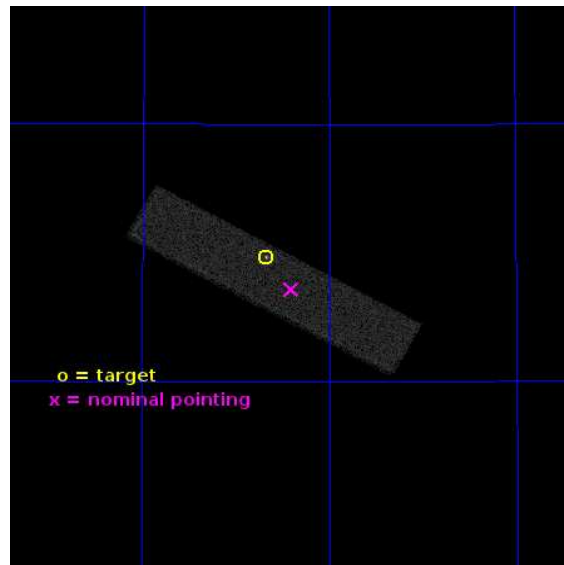
L2 Processing Date : Sep 17 2014

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1 Front

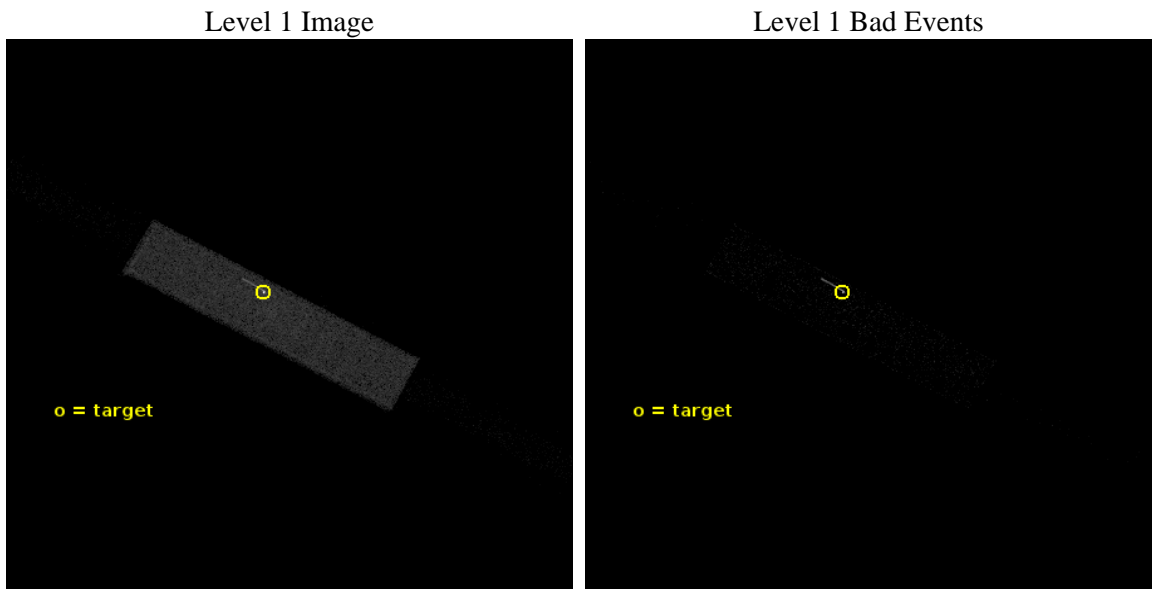
seq_num	291185	Sequence number
obs_id	16413	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10140055814	Nominal RA [deg]
dec_nom	45.679772483029	Nominal Dec [deg]
roll_nom	208.49061042636	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1151.3313139677	[s]
livetime	1144.3109474735	Ontime multiplied by DTCOR
l2events	55661	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	10.2.4	Processing system revision	ontime	1151.3313139677	[s]
caldbver	4.6.3	 	l1events	85657	Number of level 1 events
date	2014-09-17T03:53:41	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

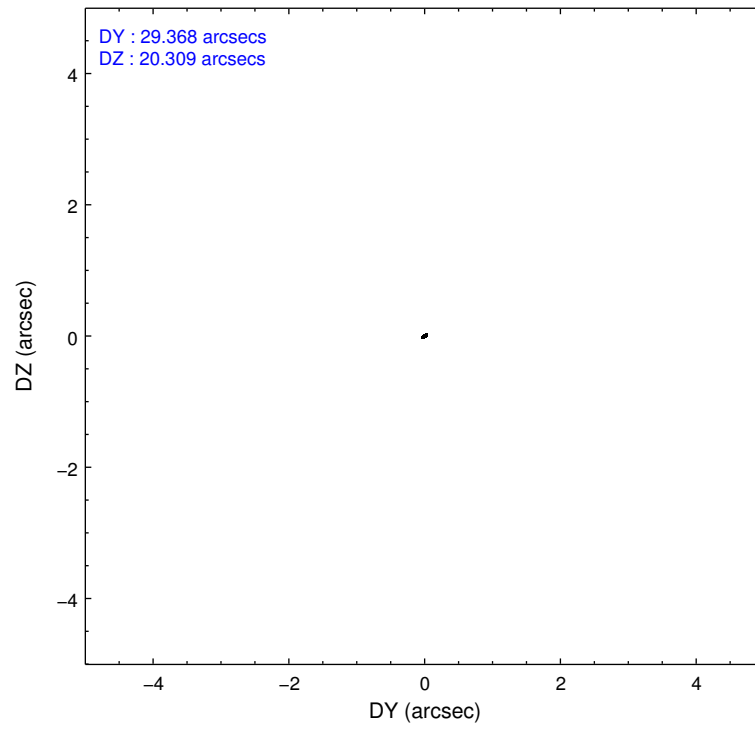
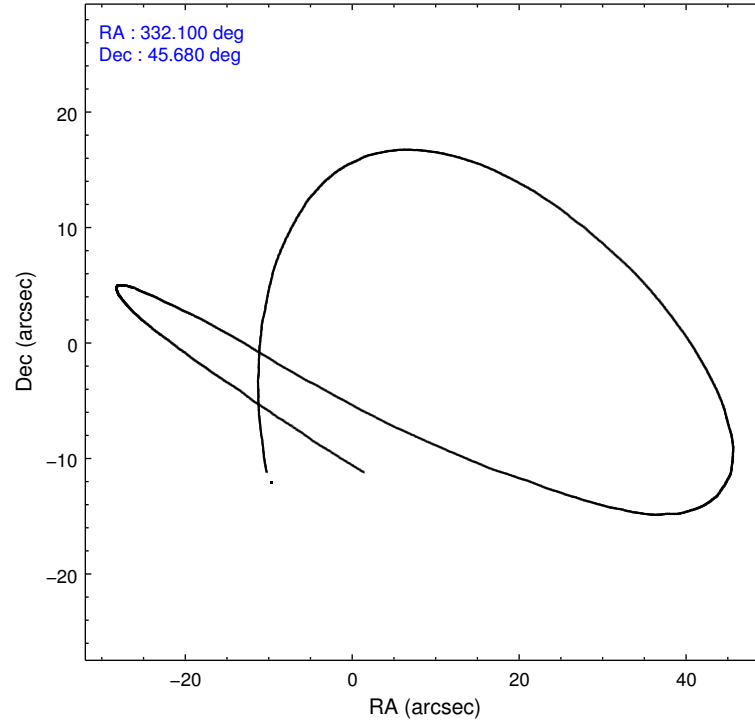
	segment 1	segment 2	segment 3
level 1 events	620	84409	628
rejected events	620	19465	628
rejected %	100%	23%	100%

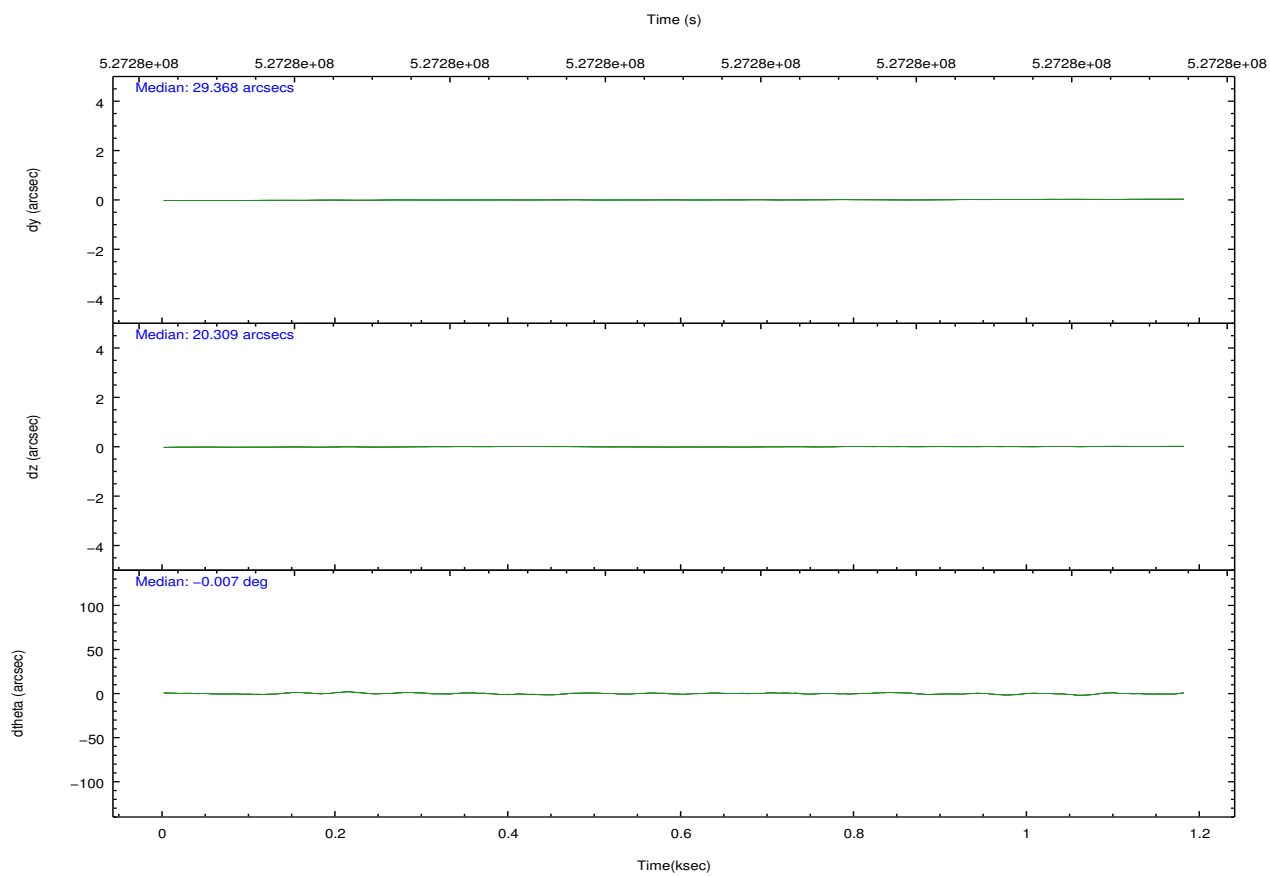
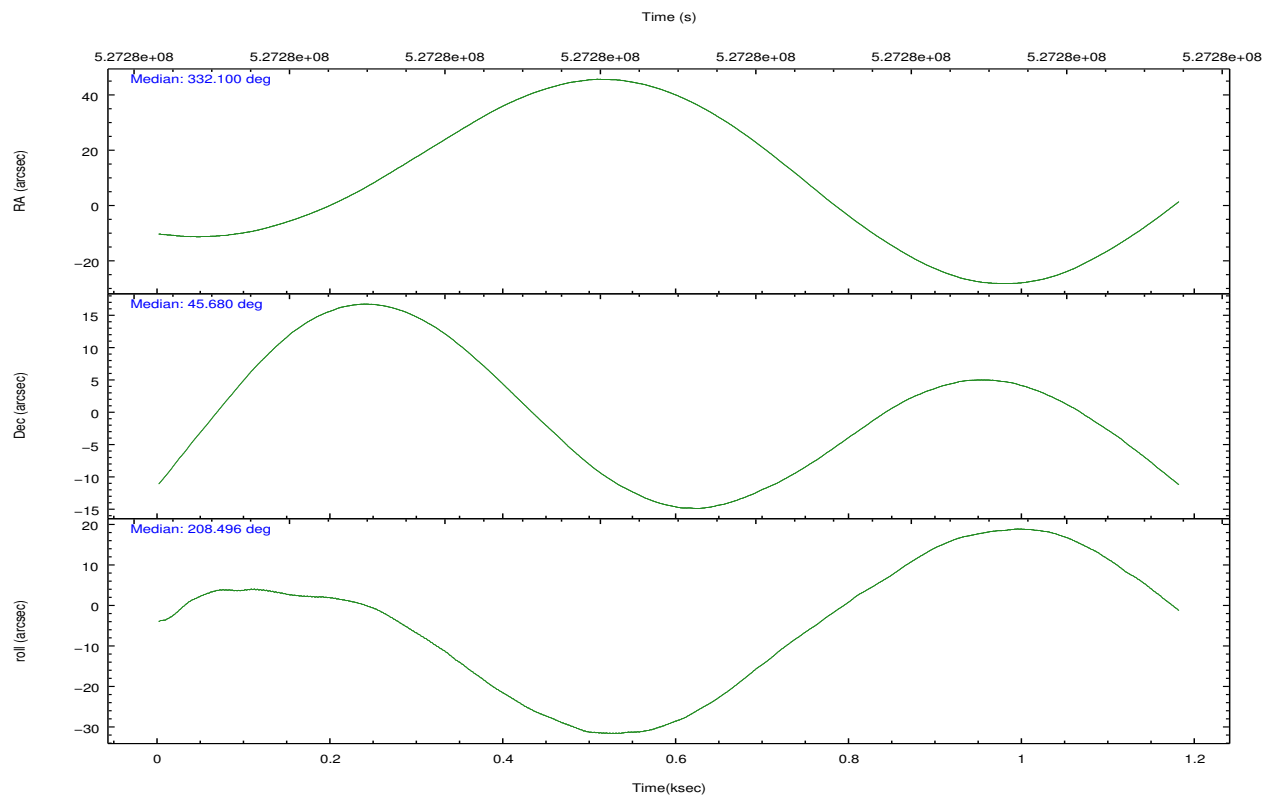
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.122382	332.1014005581443
[deg] Pointing Dec	45.704258	45.67977248302869
[deg] Pointing Roll	208.408260	208.4906104263637
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	527281078.184000	527280702.04136
Observation start date	2014-09-16T18:56:51	2014-09-16T18:51:42
[s] Observation end time (MET)	527282078.184000	527282211.86644
Observation end date	2014-09-16T19:13:31	2014-09-16T19:16:51

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



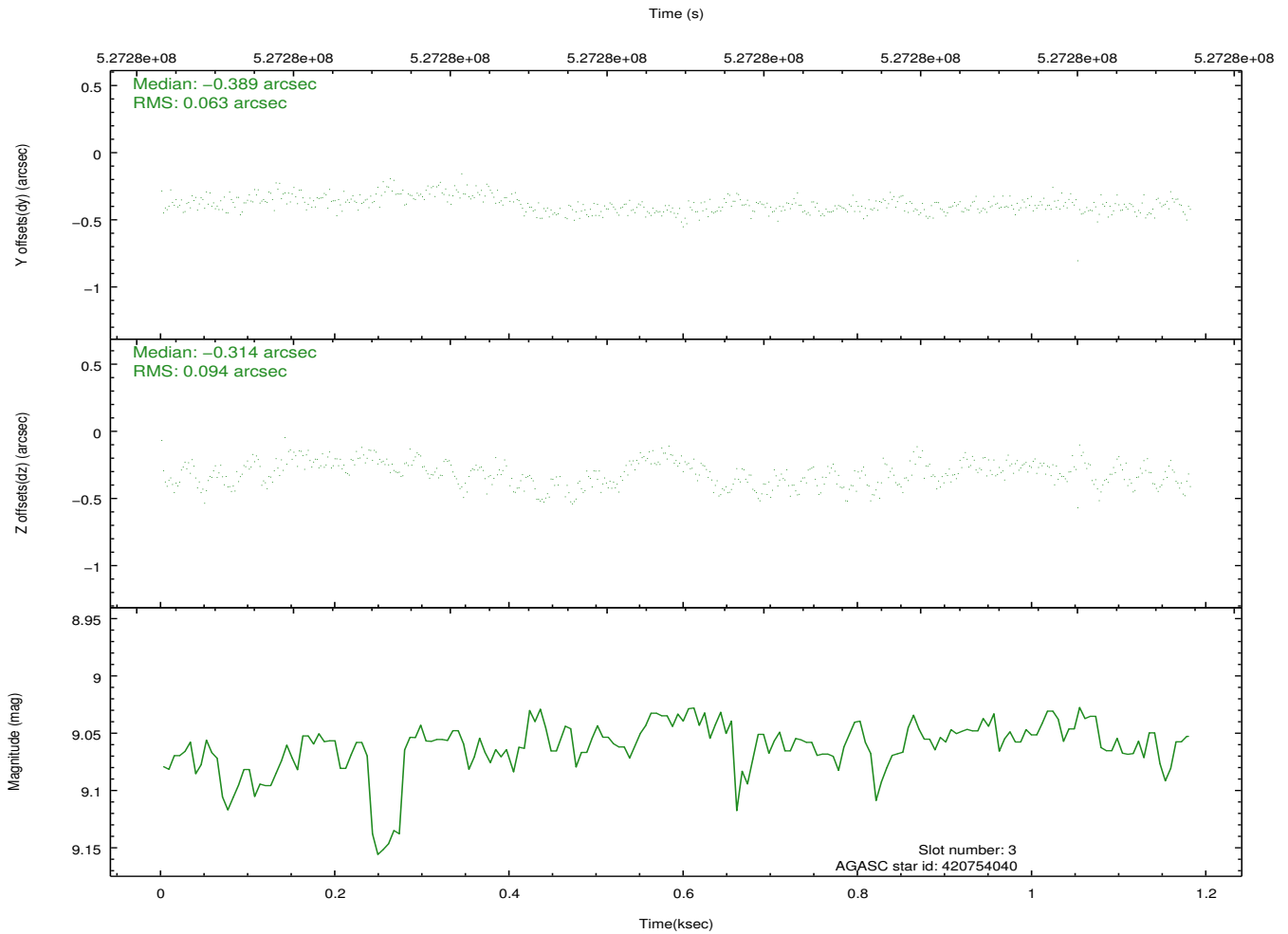
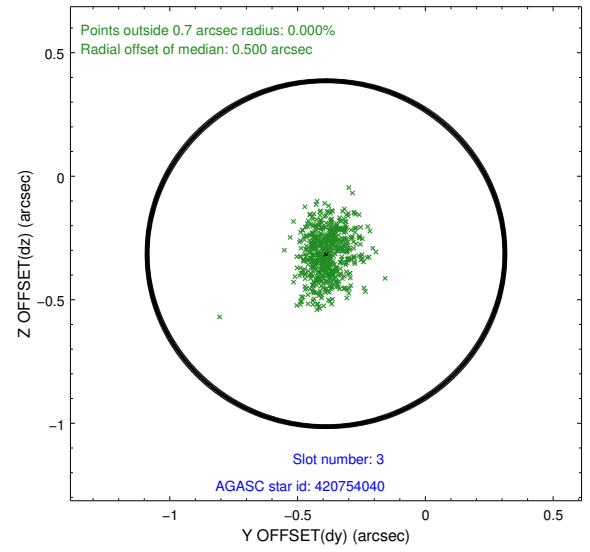
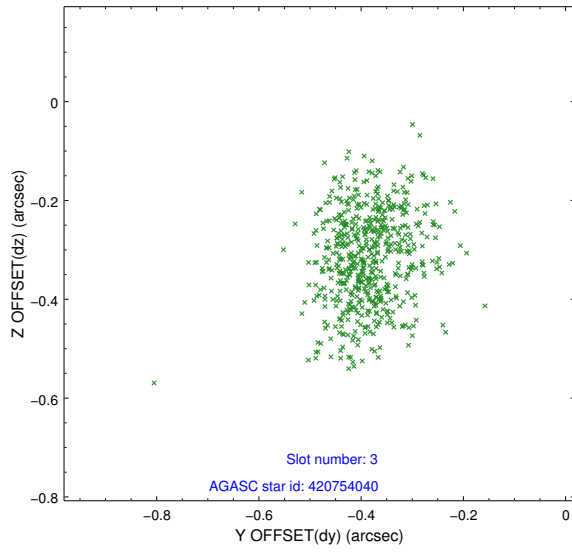


Slot Statistics

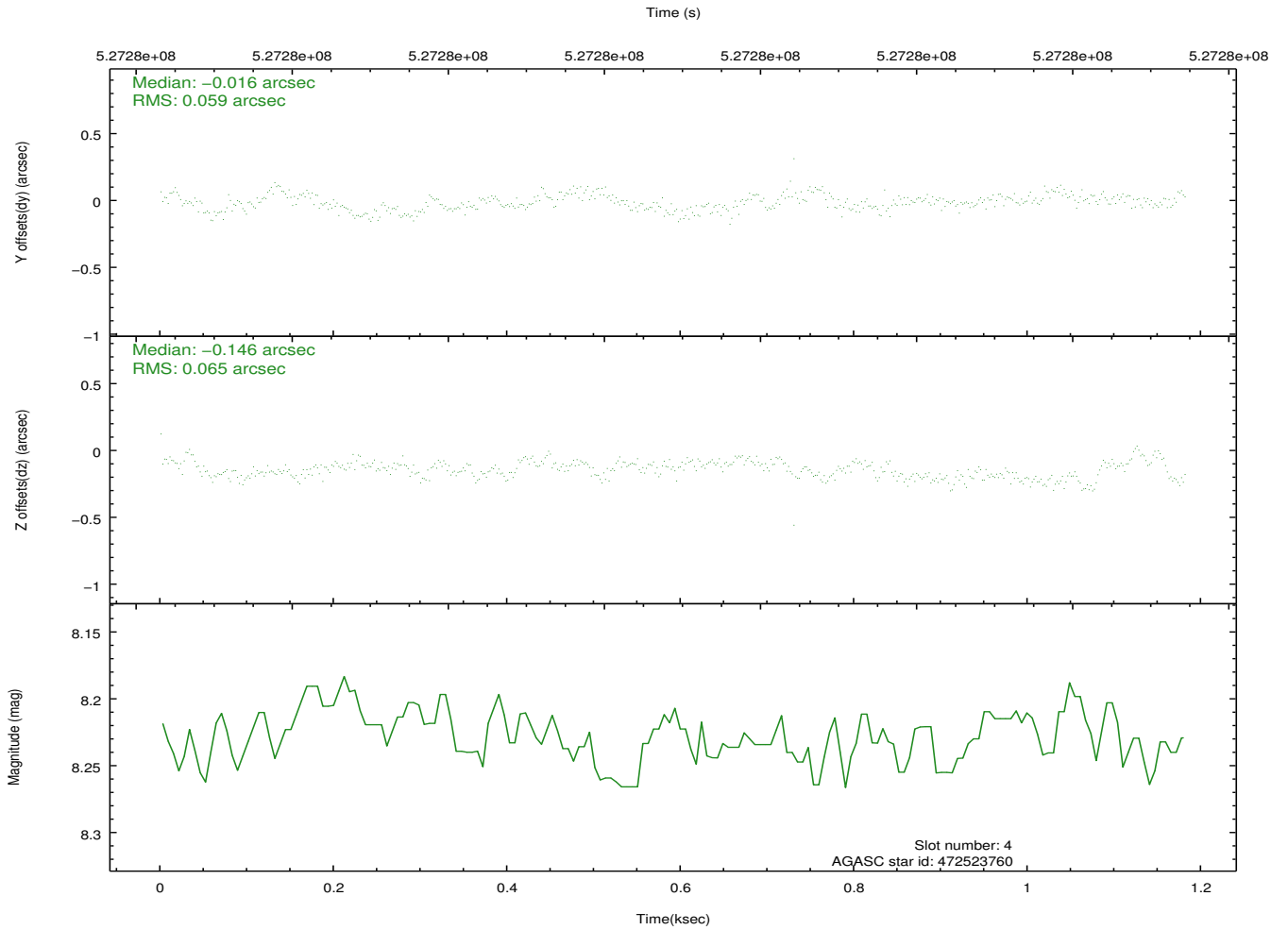
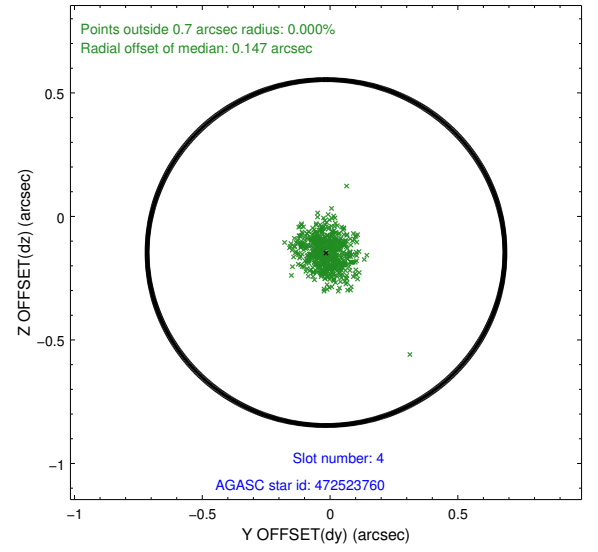
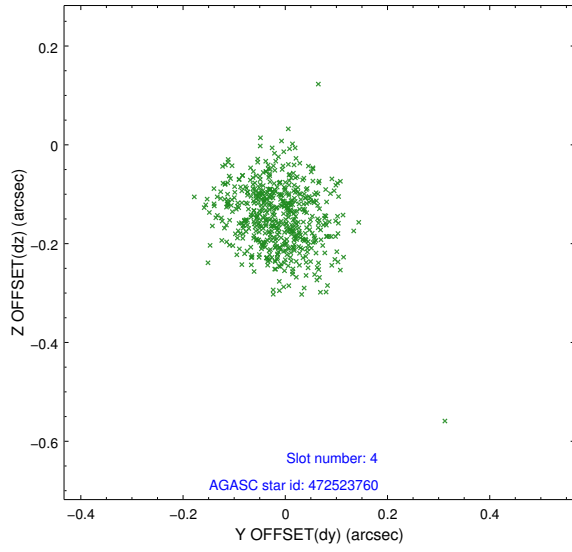
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	288	-0.027	-0.196	0.007	0.012	0.000000	0.000000	-1184.23	-469.46
1	FID	HRC-S-2	7.04	288	0.364	-0.133	0.005	0.009	0.000000	0.000000	1211.71	-463.54
2	FID	HRC-S-3	7.07	288	0.052	0.026	0.007	0.013	0.000000	0.000000	-1182.72	558.67
3	GUIDE	420754040	9.06	574	-0.389	-0.314	0.119	0.197	331.917939	44.882543	1863.00	2357.43
4	GUIDE	472523760	8.23	577	-0.016	-0.146	0.092	0.145	331.645363	45.403260	1576.97	384.36
5	GUIDE	472525528	6.65	577	-0.581	-0.040	0.099	0.150	331.551102	45.248694	2052.79	753.84
6	GUIDE	472665256	8.98	577	0.659	0.178	0.124	0.214	332.808125	46.195041	-2343.74	-741.72
7	GUIDE	472659832	9.44	570	0.325	0.334	0.139	0.240	332.780399	46.098139	-2127.33	-468.46

2.4 Star Slots

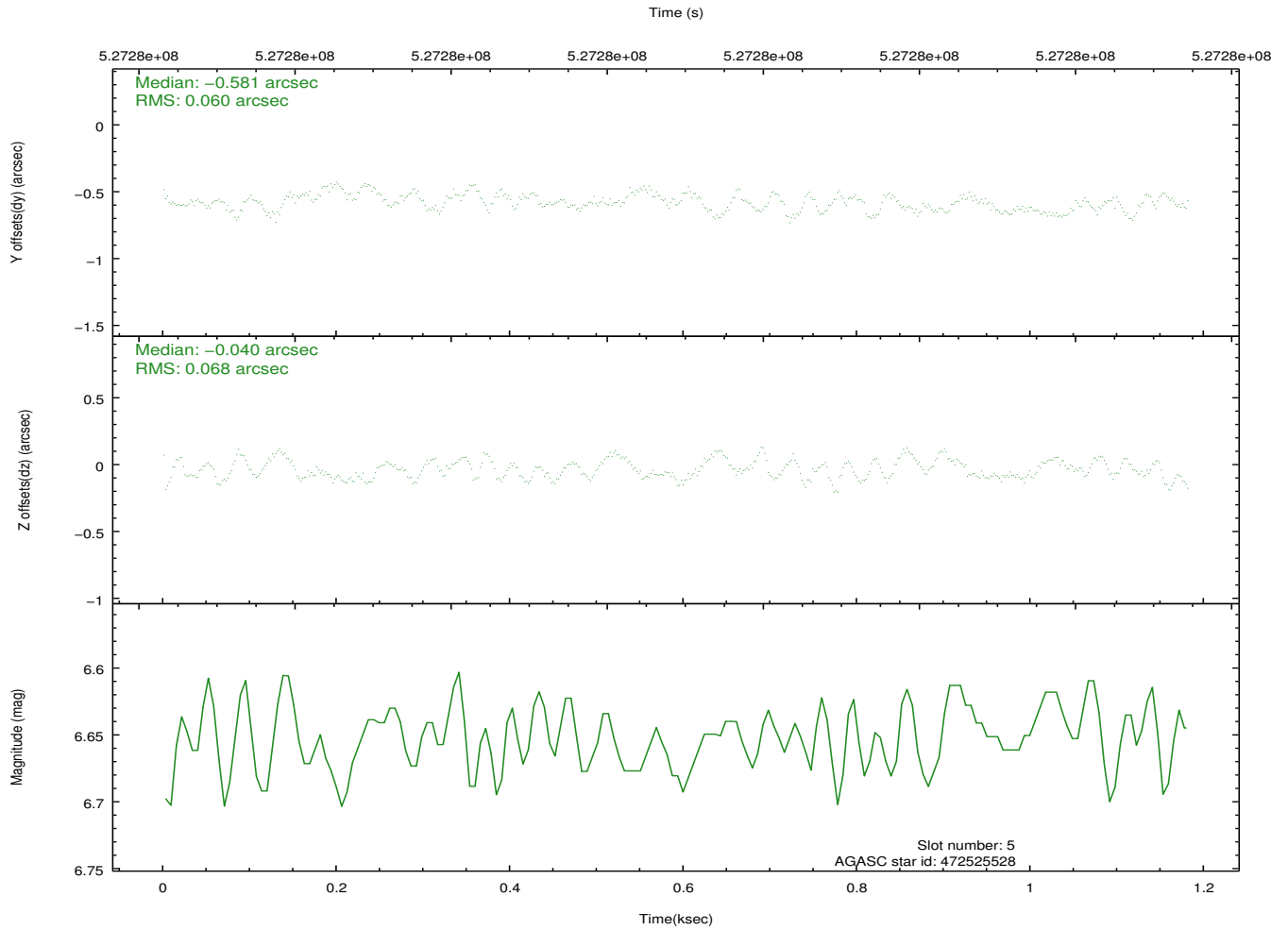
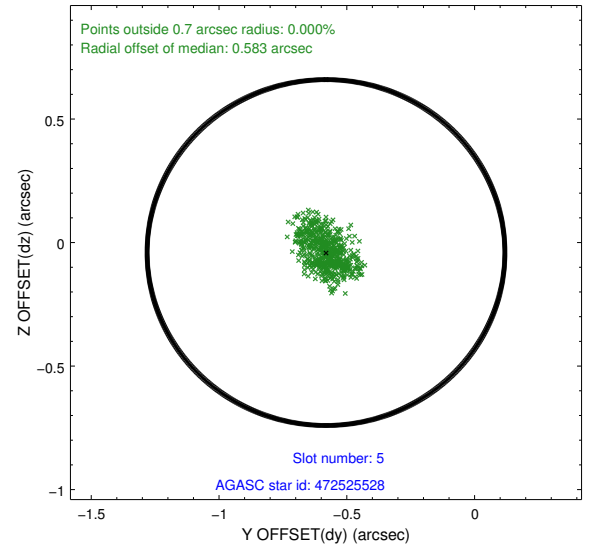
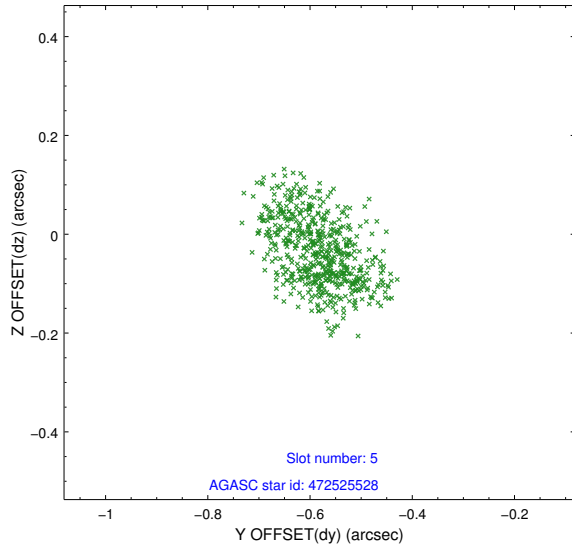
2.4.1 Slot 3



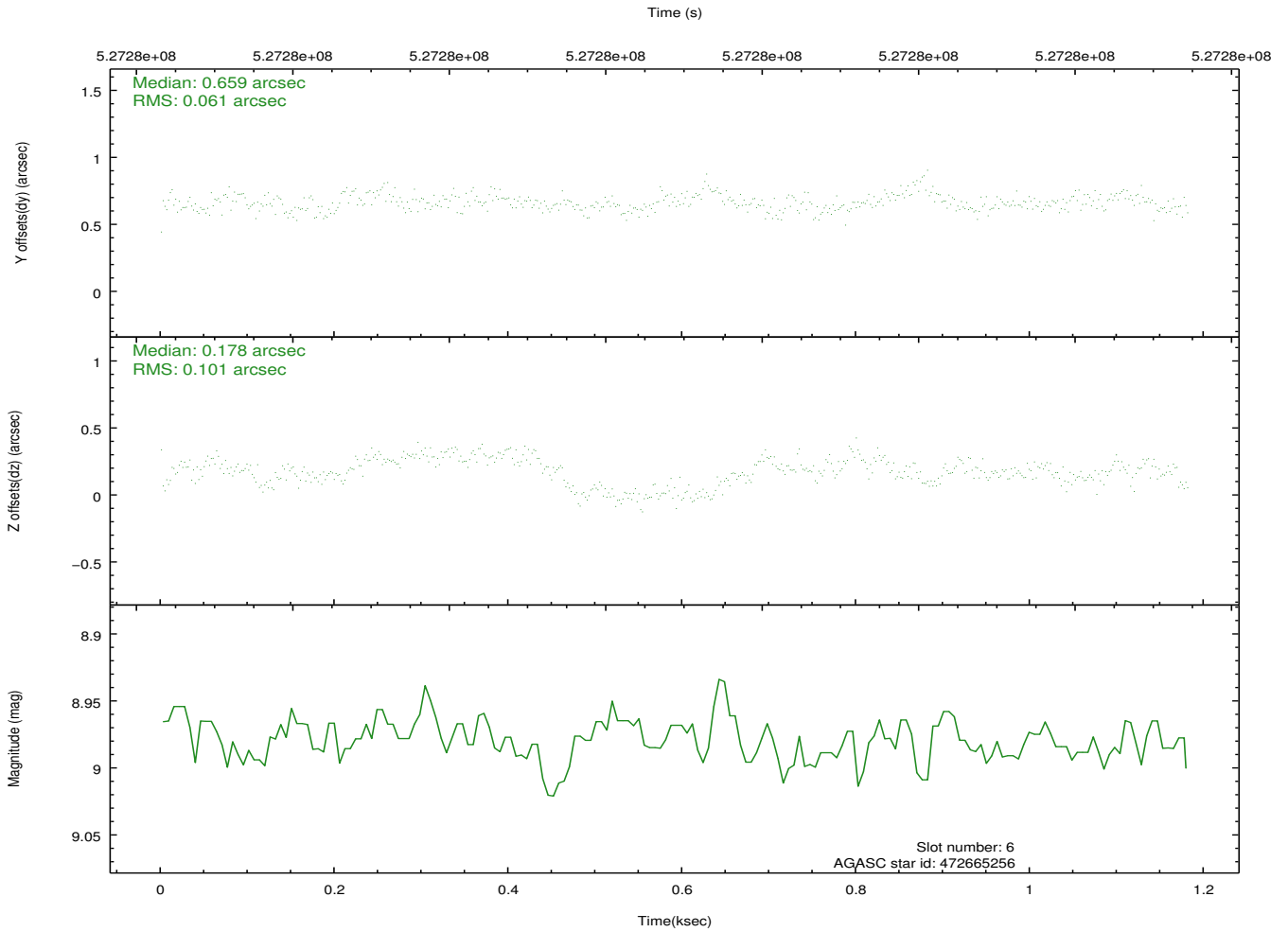
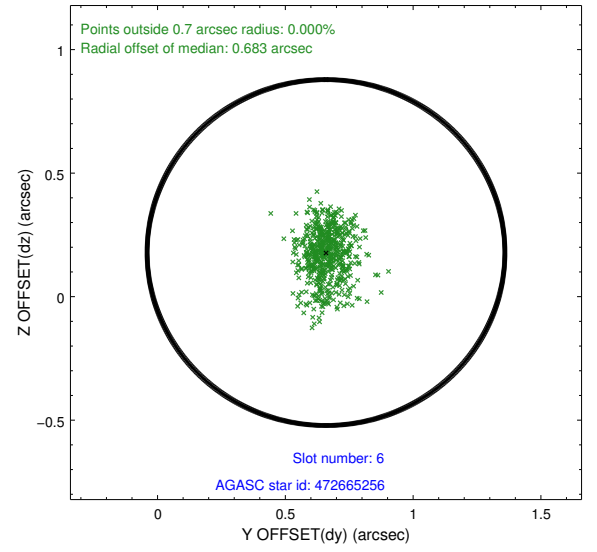
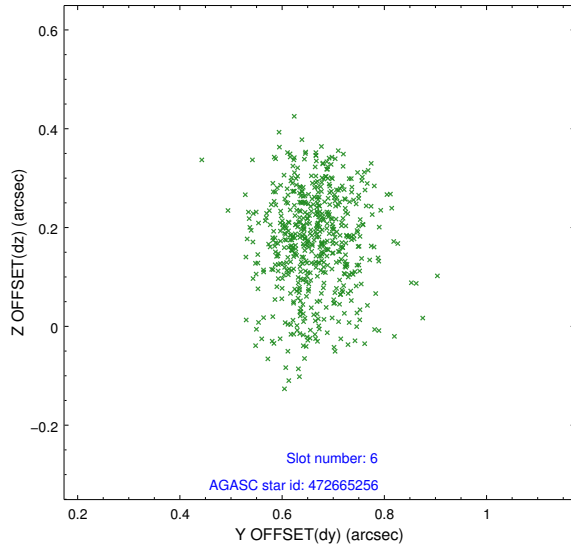
2.4.2 Slot 4



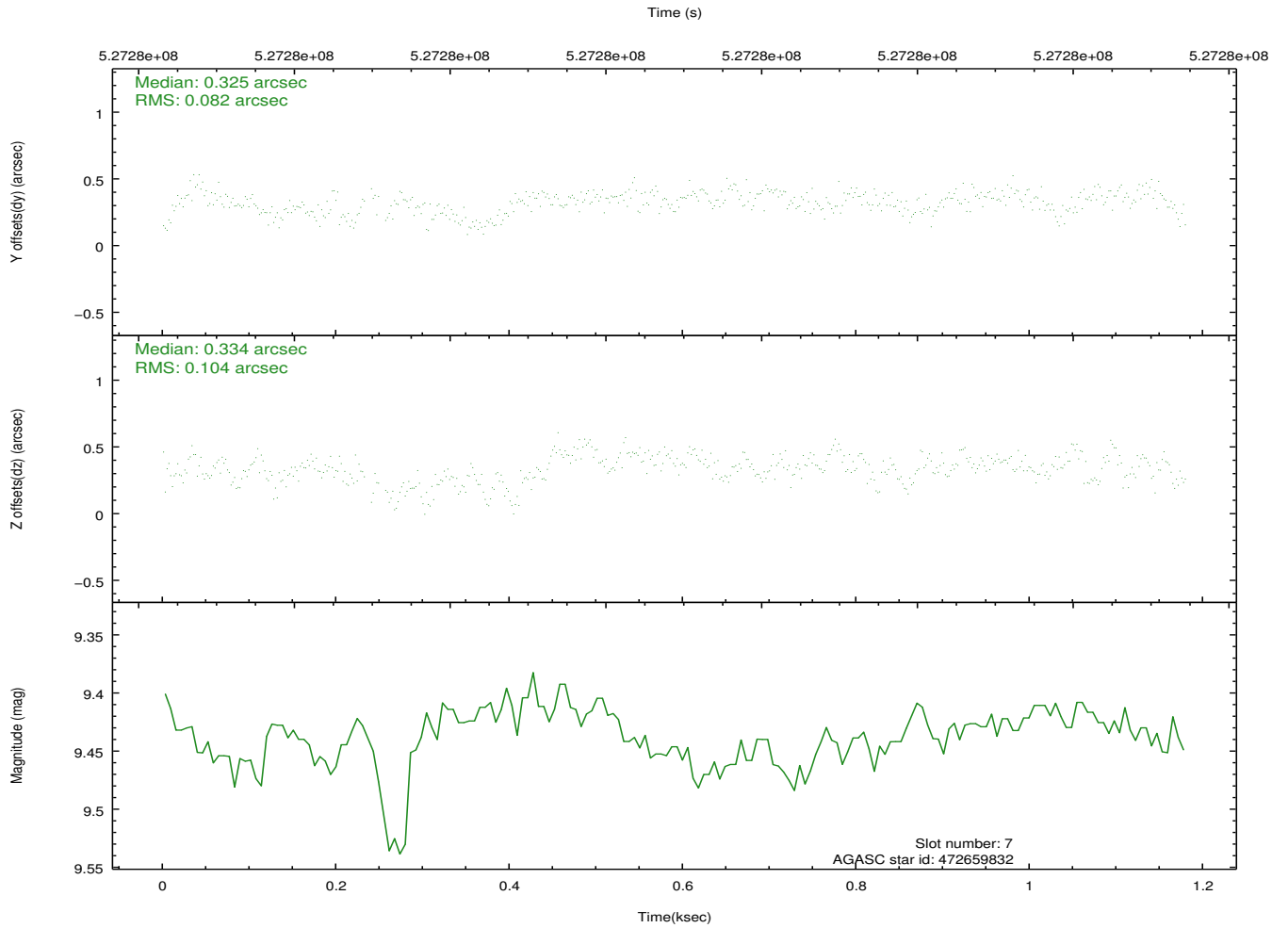
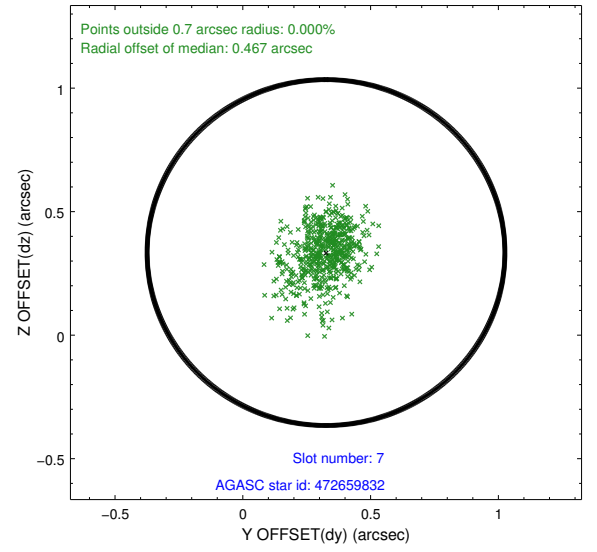
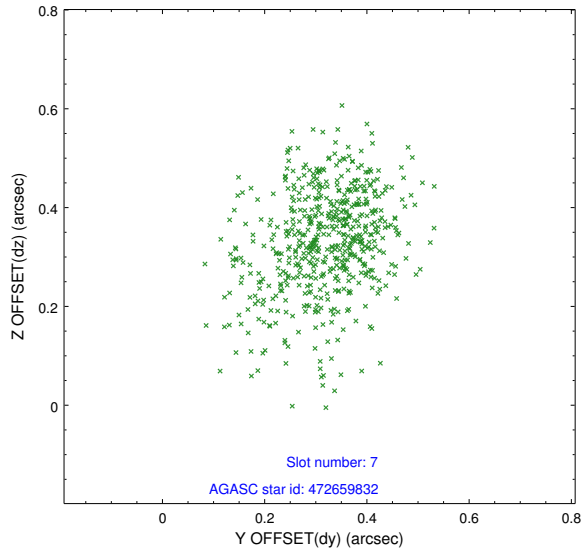
2.4.3 Slot 5



2.4.4 Slot 6

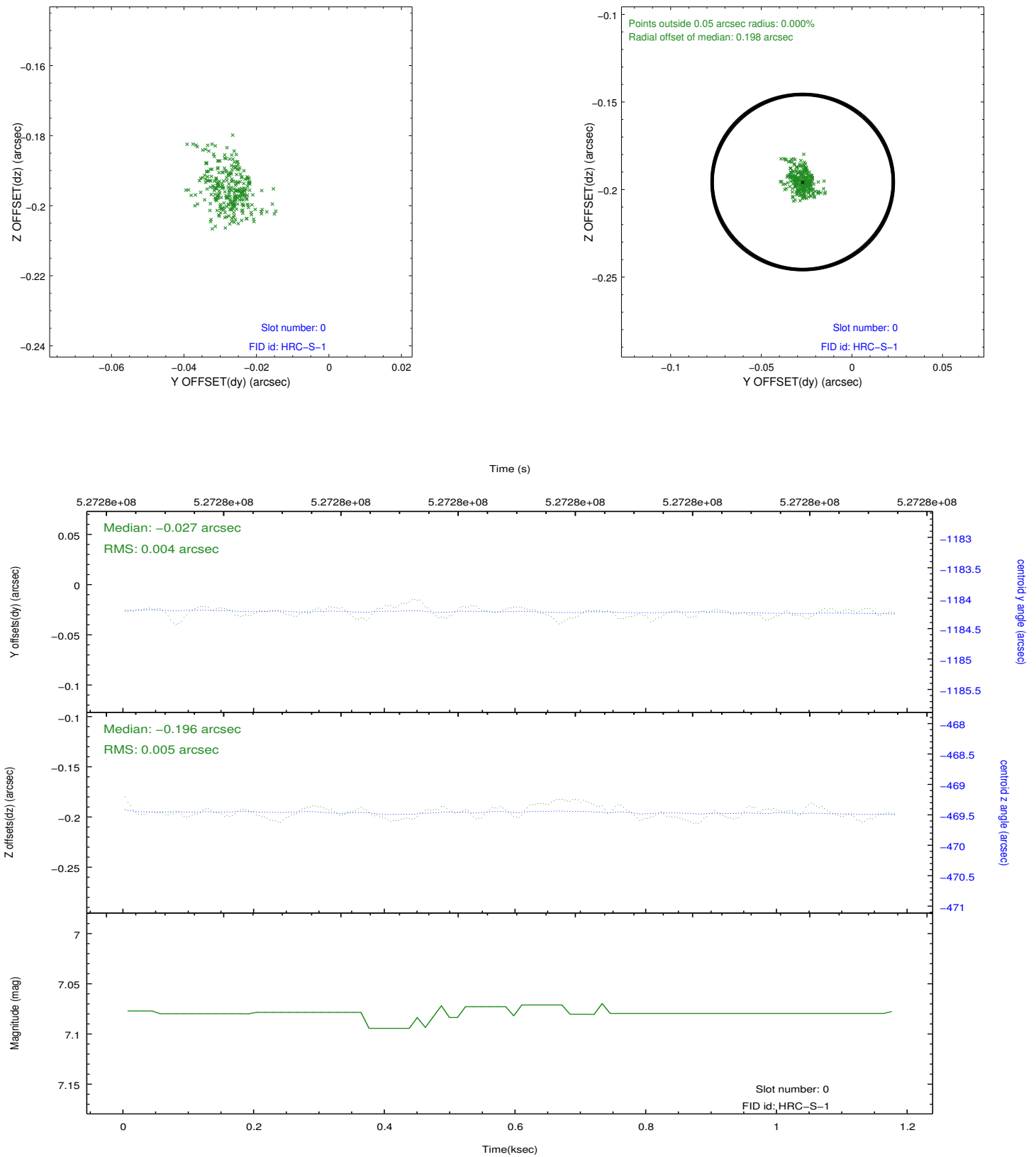


2.4.5 Slot 7

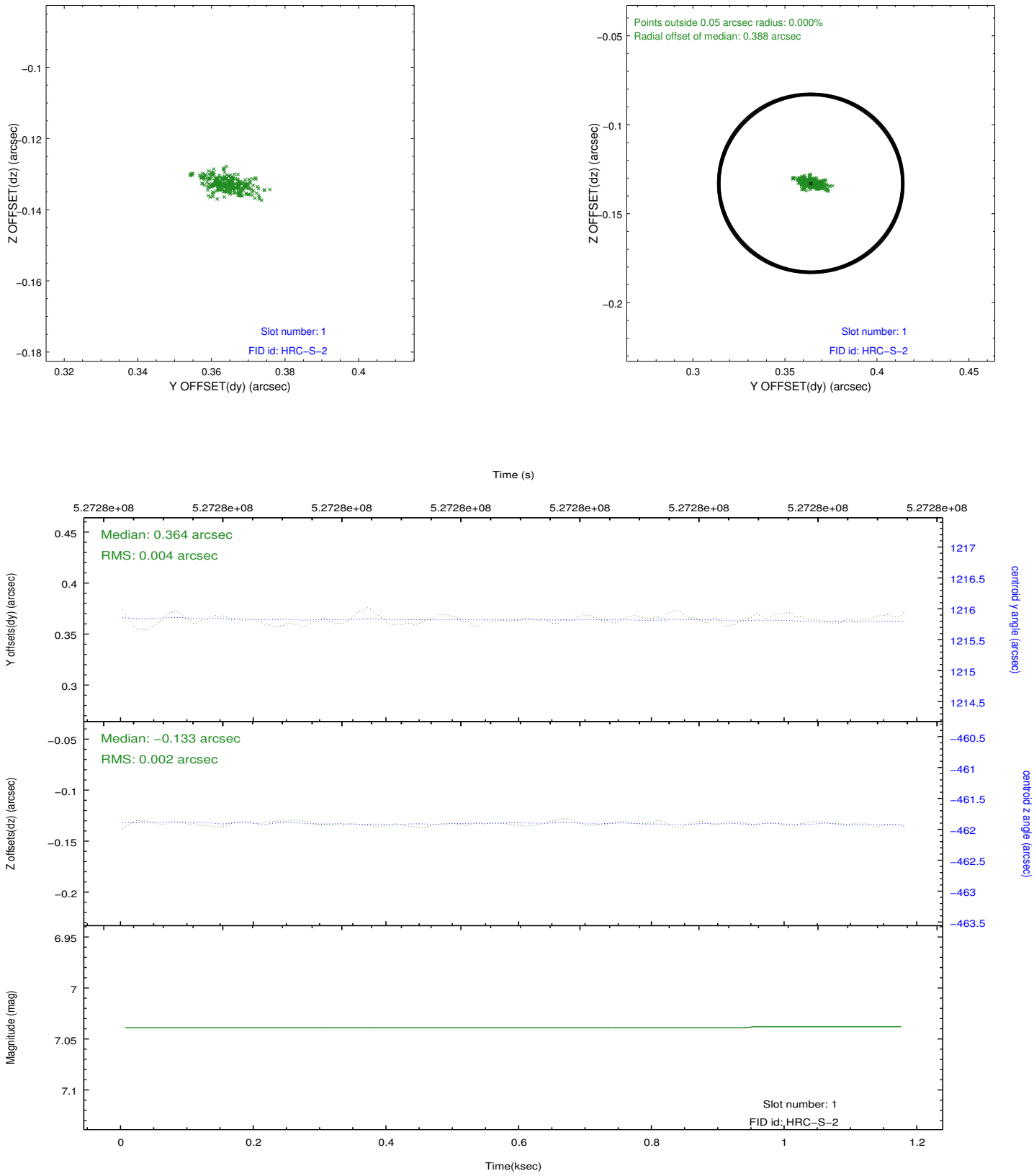


2.5 FID Slots

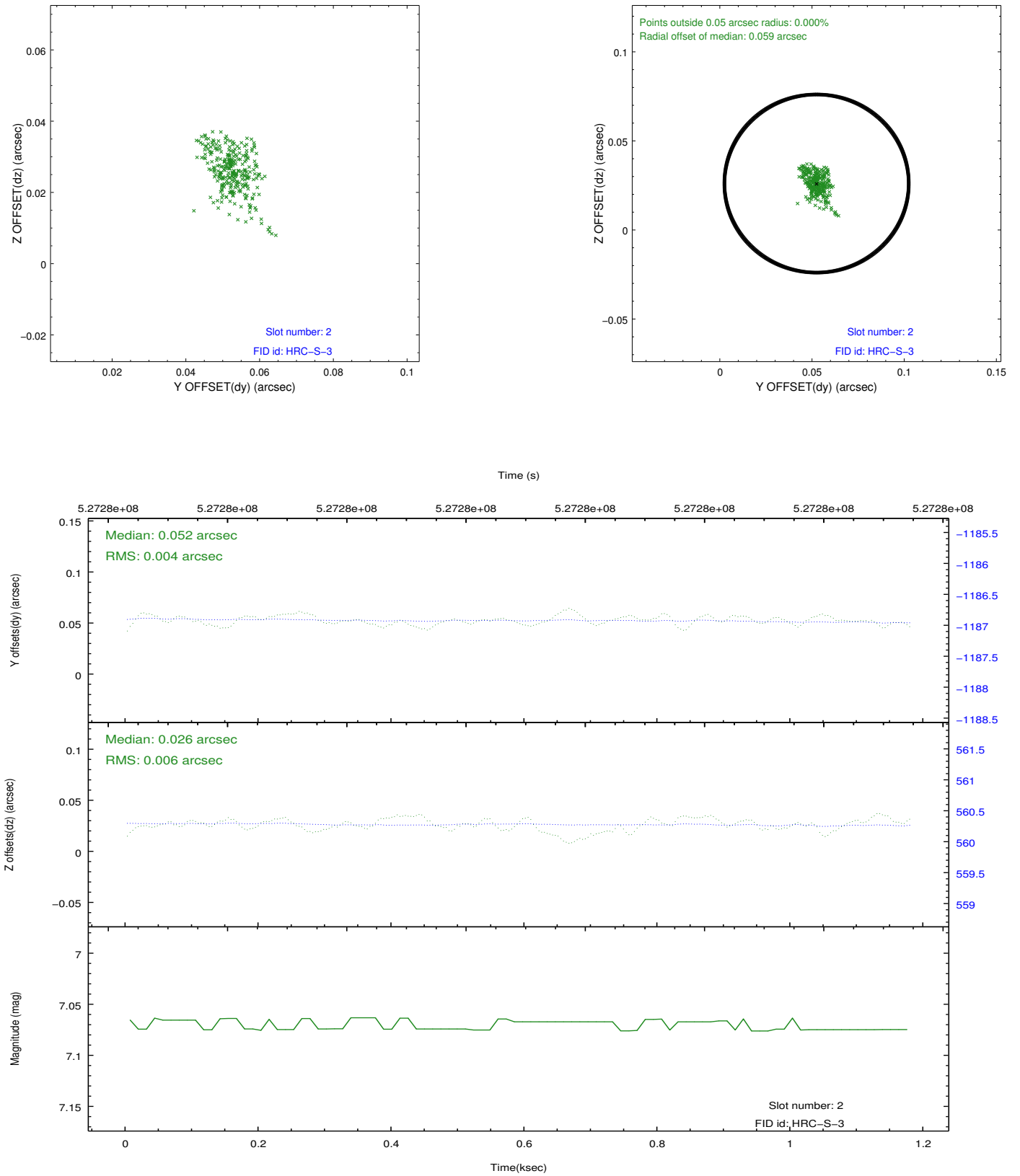
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1513313139677

A.2 Comments