

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18403 - L2 Version 1
Chandra X-Ray Center

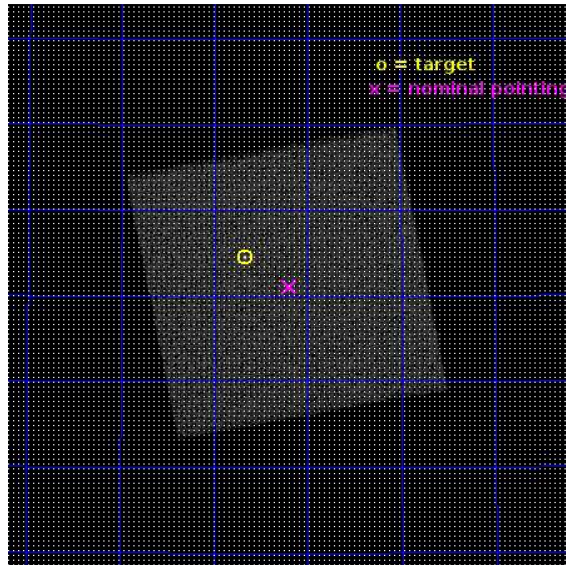
L2 Processing Date : Sep 21 2016

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1 Front

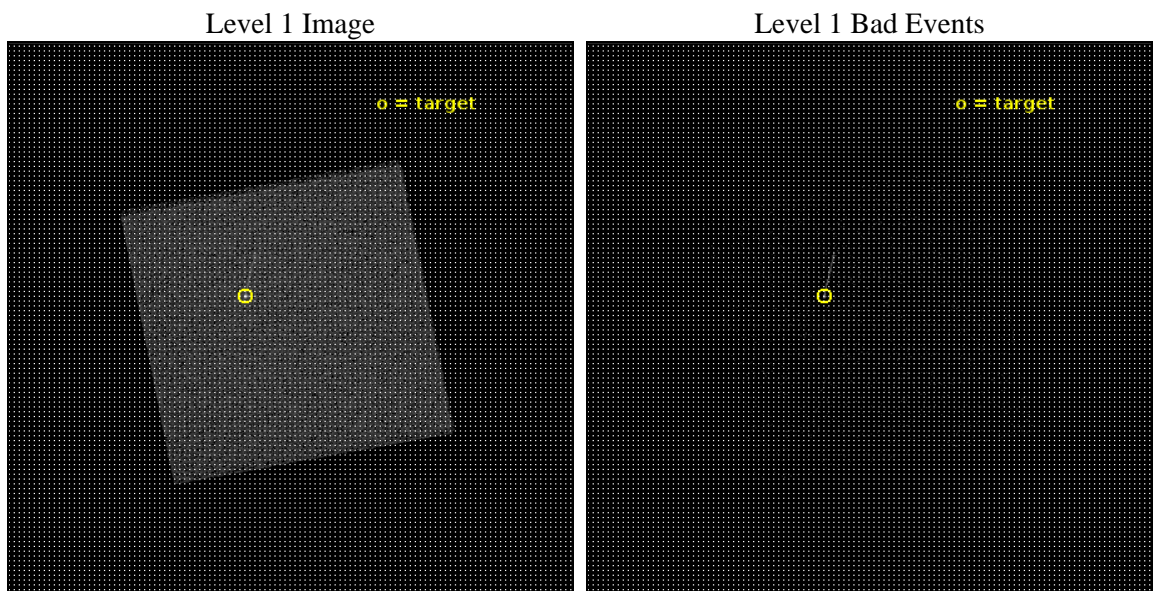
seq_num	291298	Sequence number
obs_id	18403	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04932076973	Nominal RA [deg]
dec_nom	45.684780349459	Nominal Dec [deg]
roll_nom	214.1576073837	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813177824	[s]
livetime	1168.4749863243	Ontime multiplied by DTCOR
l2events	114751	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	10.5.1.1	Processing system revision	ontime	1182.0813177824	[s]
caldbver	4.7.2	 	l1events	193210	Number of level 1 events
date	2016-09-21T12:45:44	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

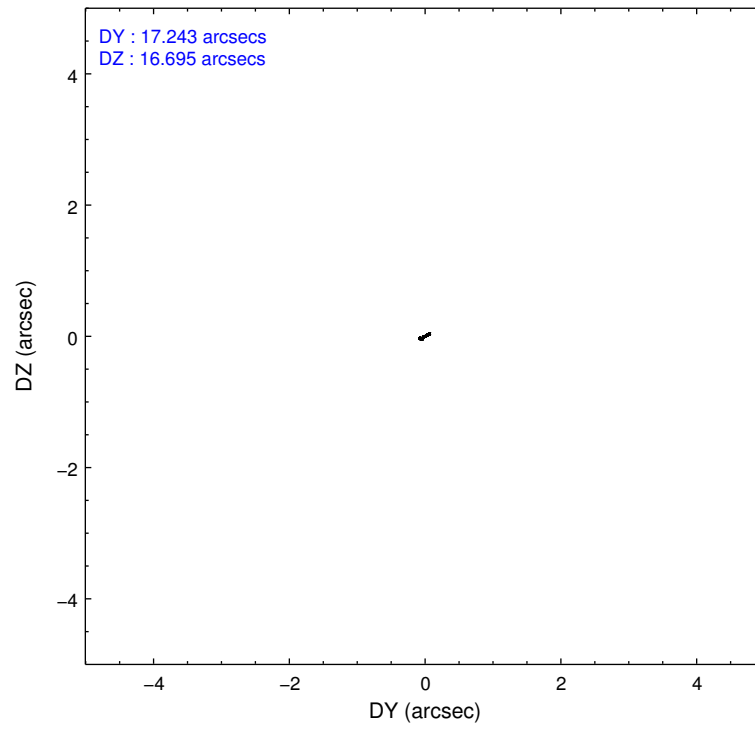
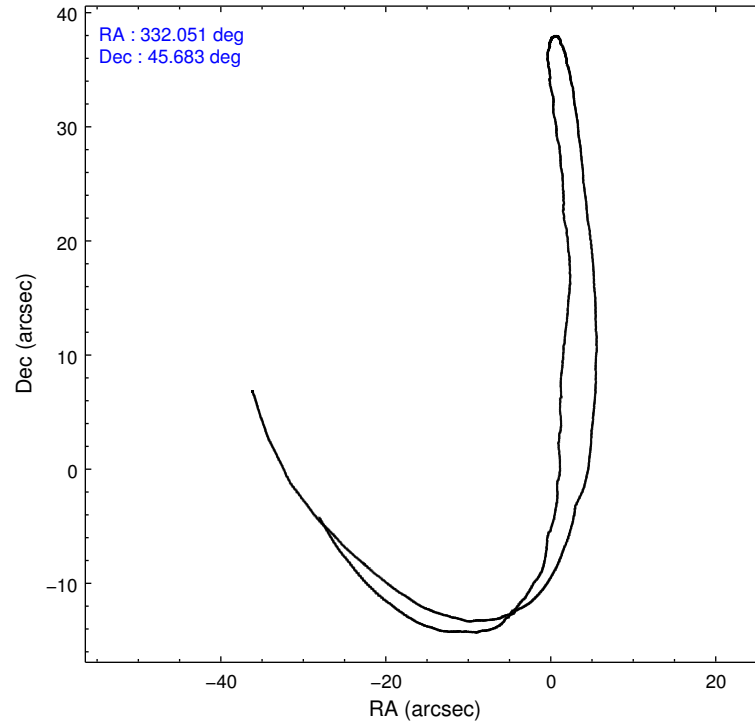
Level 1 Events

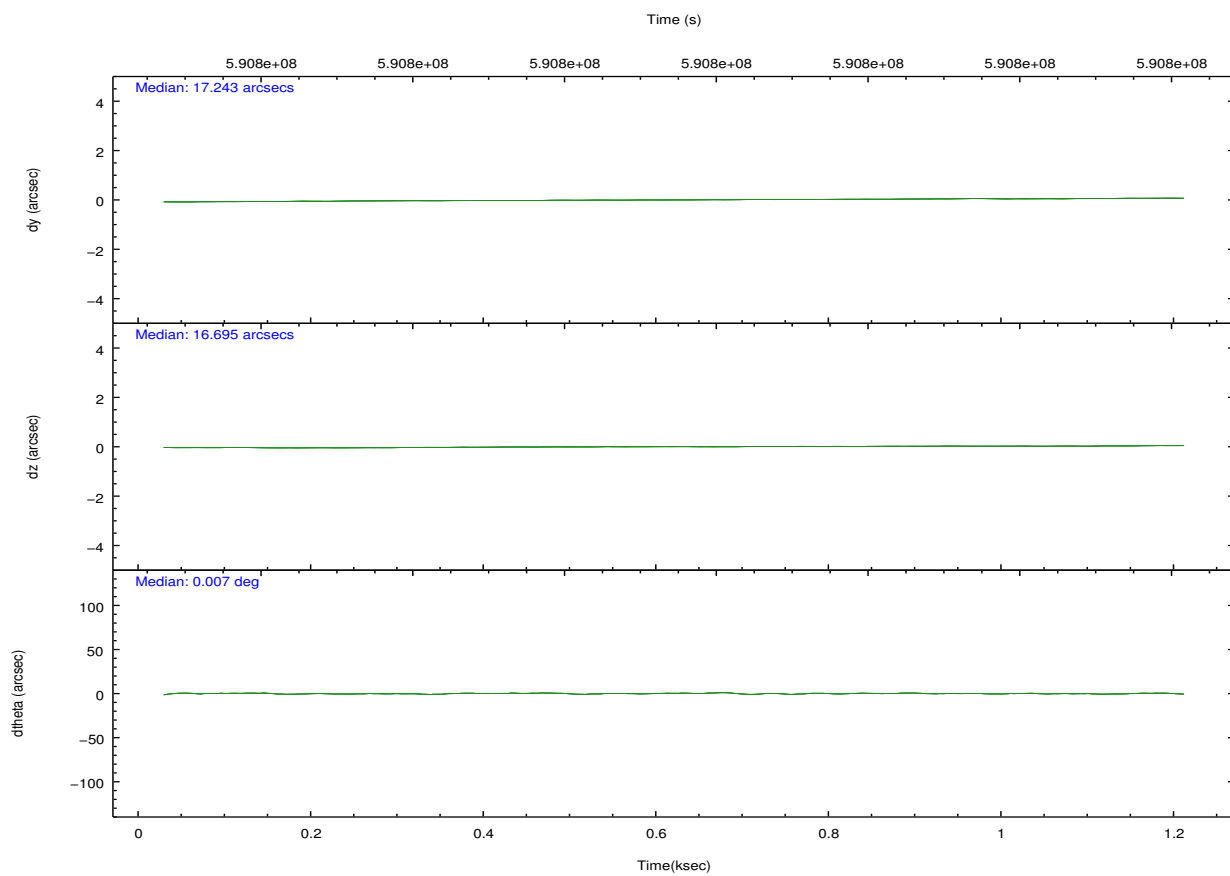
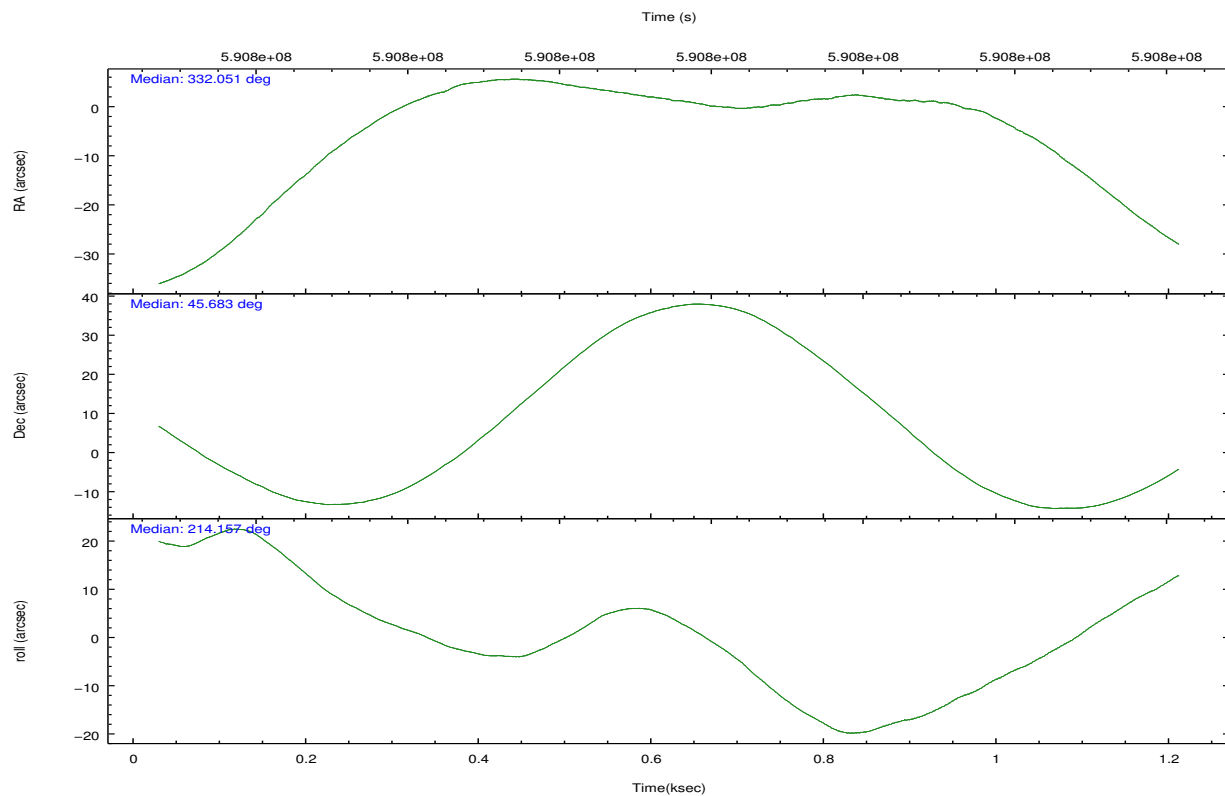
	segment 0
level 1 events	193210
rejected events	42009
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.065199	332.049320769727			
[deg] Pointing Dec	45.710815	45.68478034945912			
[deg] Pointing Roll	214.241735	214.157607383698			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	590800147.184000	590799771.34208			
Observation start date	2016-09-20T23:07:59	2016-09-20T23:02:51			
[s] Observation end time (MET)	590801147.184000	590801281.67967			
Observation end date	2016-09-20T23:24:39	2016-09-20T23:28:01			

2.3 Aspect



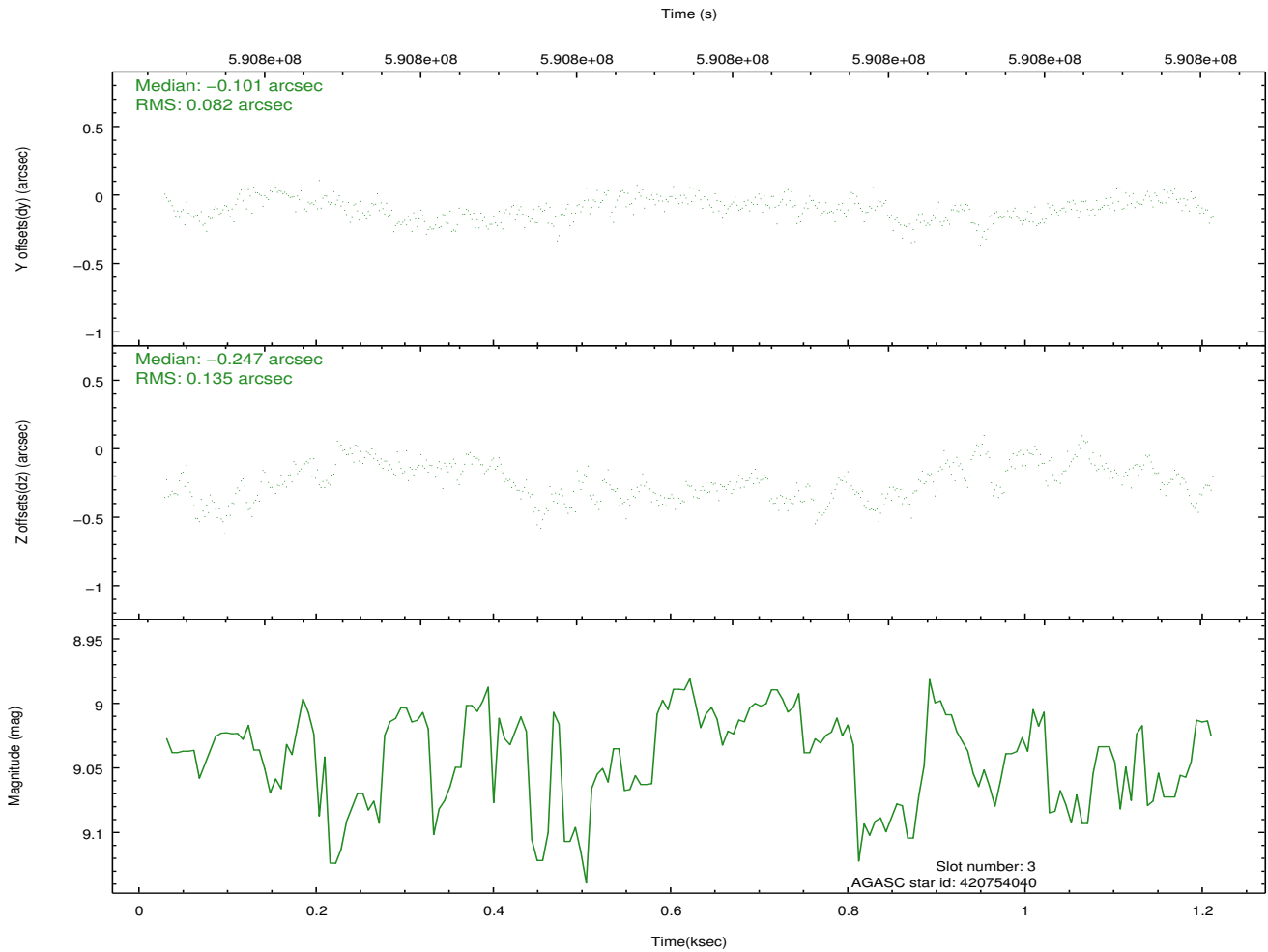
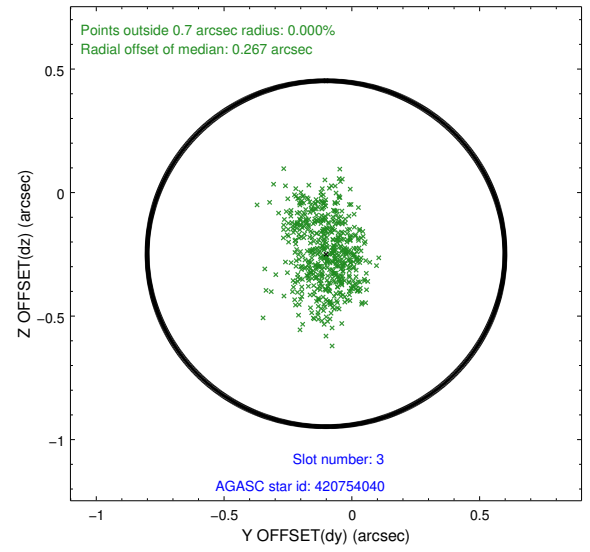
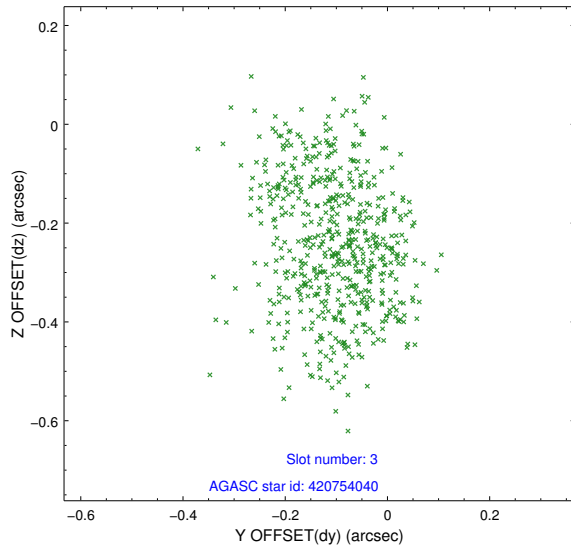


Slot Statistics

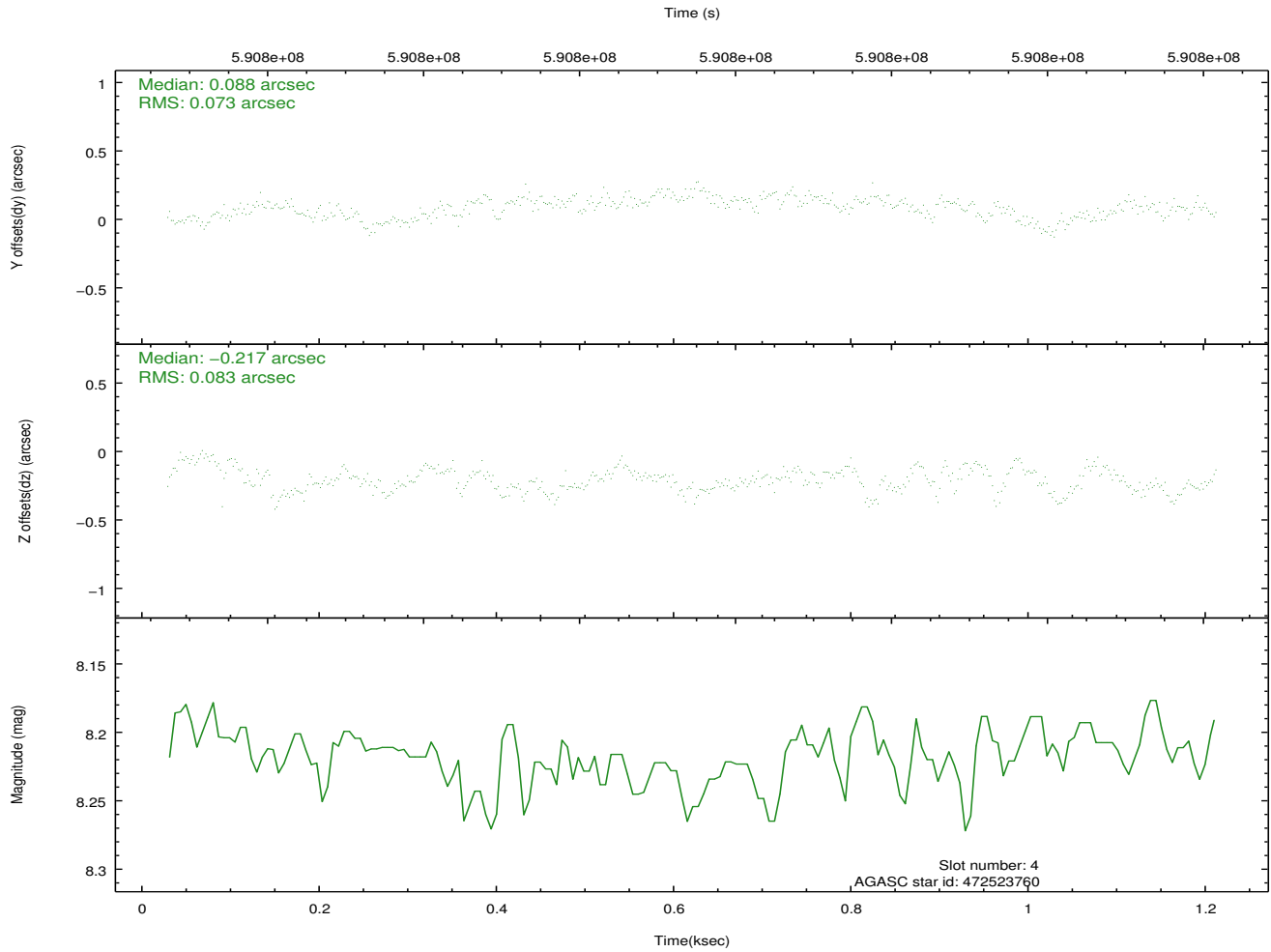
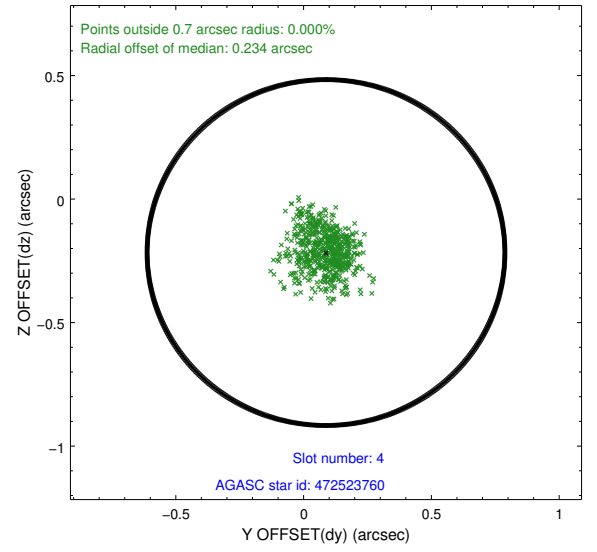
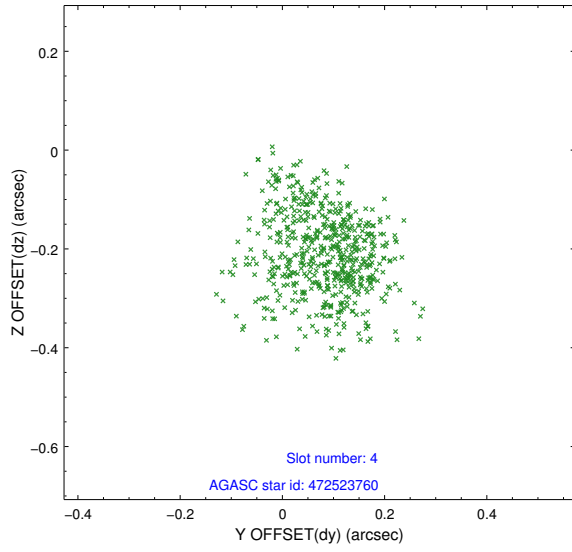
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.06	289	0.116	-0.183	0.008	0.015	0.000000	0.000000	839.68	-1306.56
1	FID		HRC-I-3	7.12	289	-0.356	0.069	0.007	0.011	0.000000	0.000000	-1199.06	995.26
2	FID		HRC-I-4	7.06	289	0.358	0.027	0.008	0.020	0.000000	0.000000	1265.87	1000.85
3	GUIDE	used	420754040	9.04	578	-0.101	-0.247	0.172	0.268	331.917939	44.882543	1984.92	2249.76
4	GUIDE	used	472523760	8.22	578	0.088	-0.217	0.117	0.191	331.645363	45.403260	1501.16	315.63
5	GUIDE	used	472525528	6.64	578	-0.434	-0.023	0.109	0.172	331.551102	45.248694	2011.82	635.29
6	GUIDE	used	472533912	9.13	578	0.315	0.451	0.147	0.245	331.791136	46.368695	-767.94	-2344.32
7	GUIDE	used	472655152	9.41	572	0.153	-0.008	0.205	0.363	332.504239	45.862991	-1222.25	156.01

2.4 Star Slots

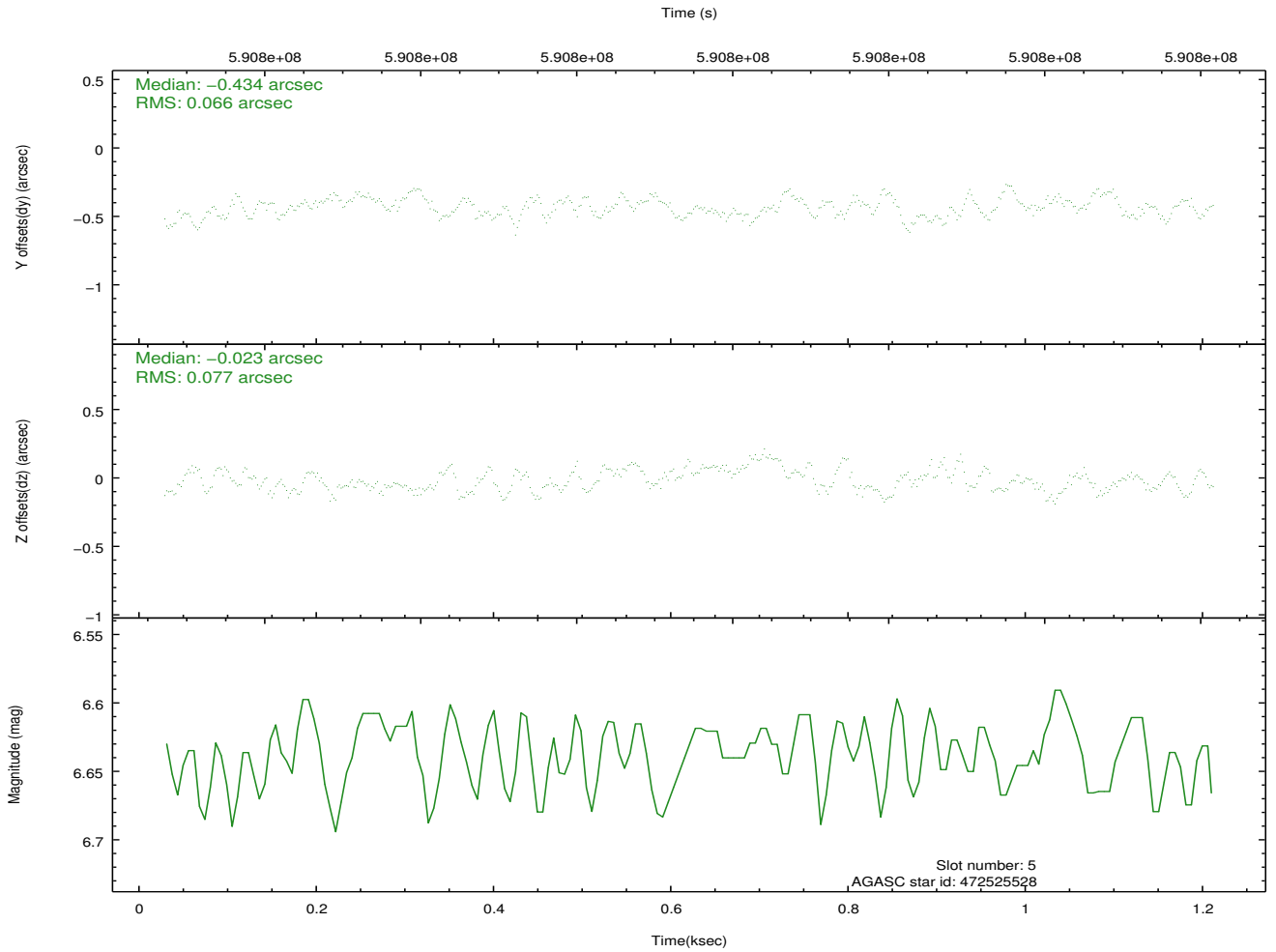
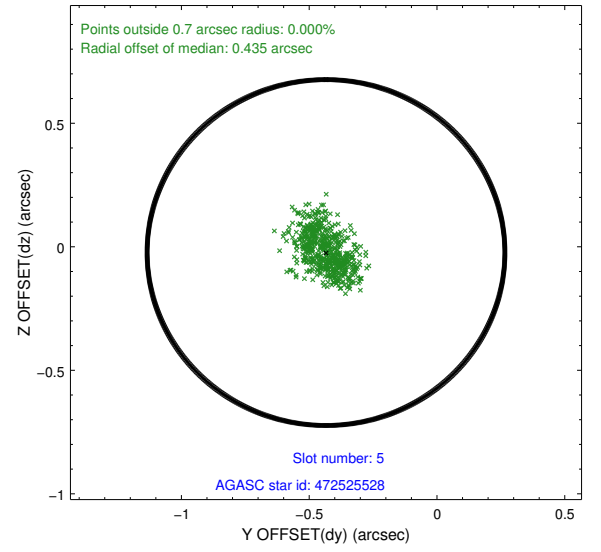
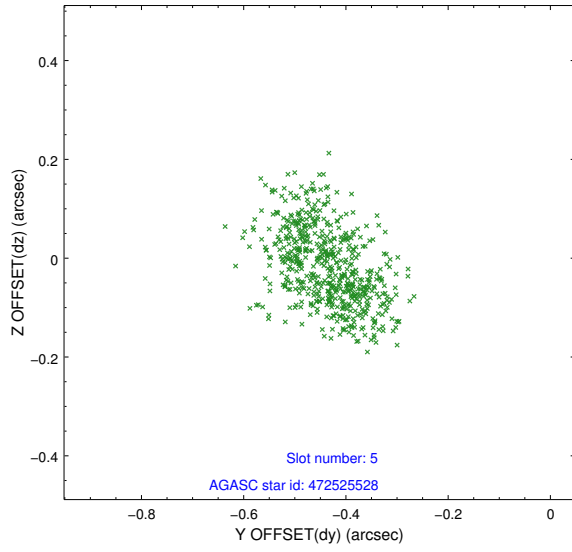
2.4.1 Slot 3



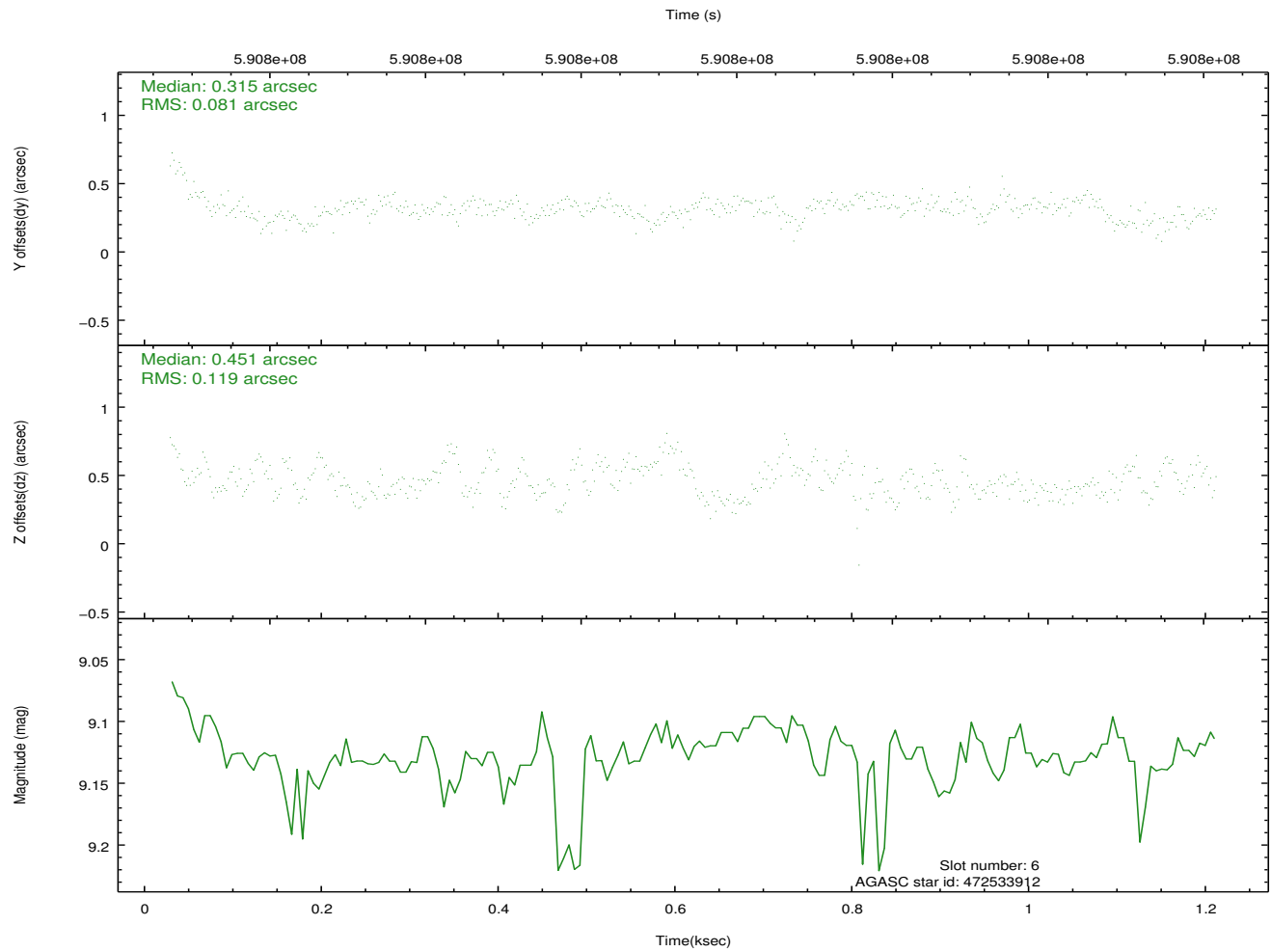
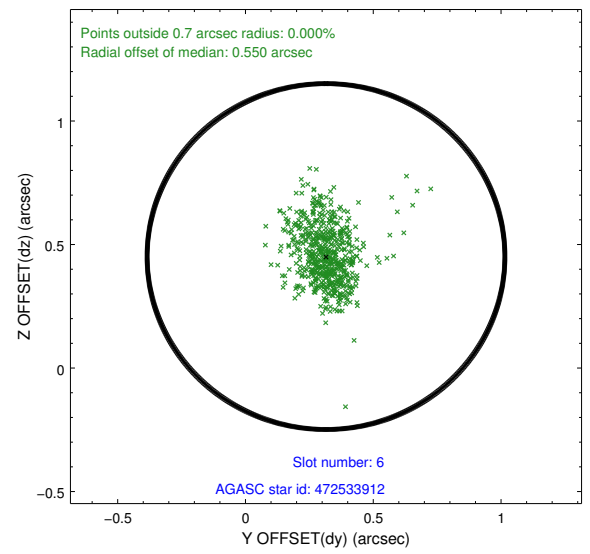
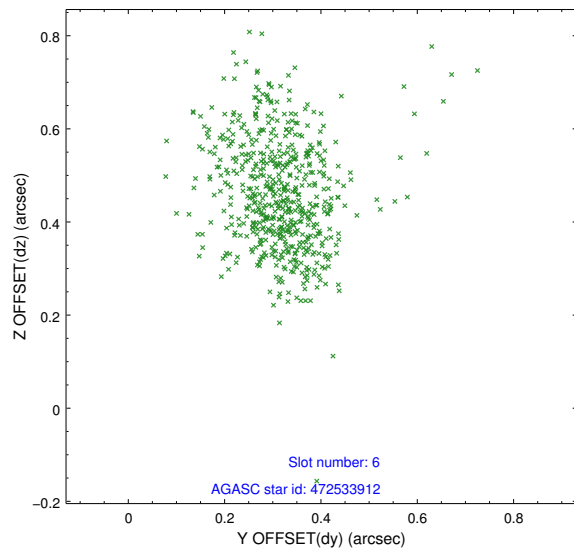
2.4.2 Slot 4



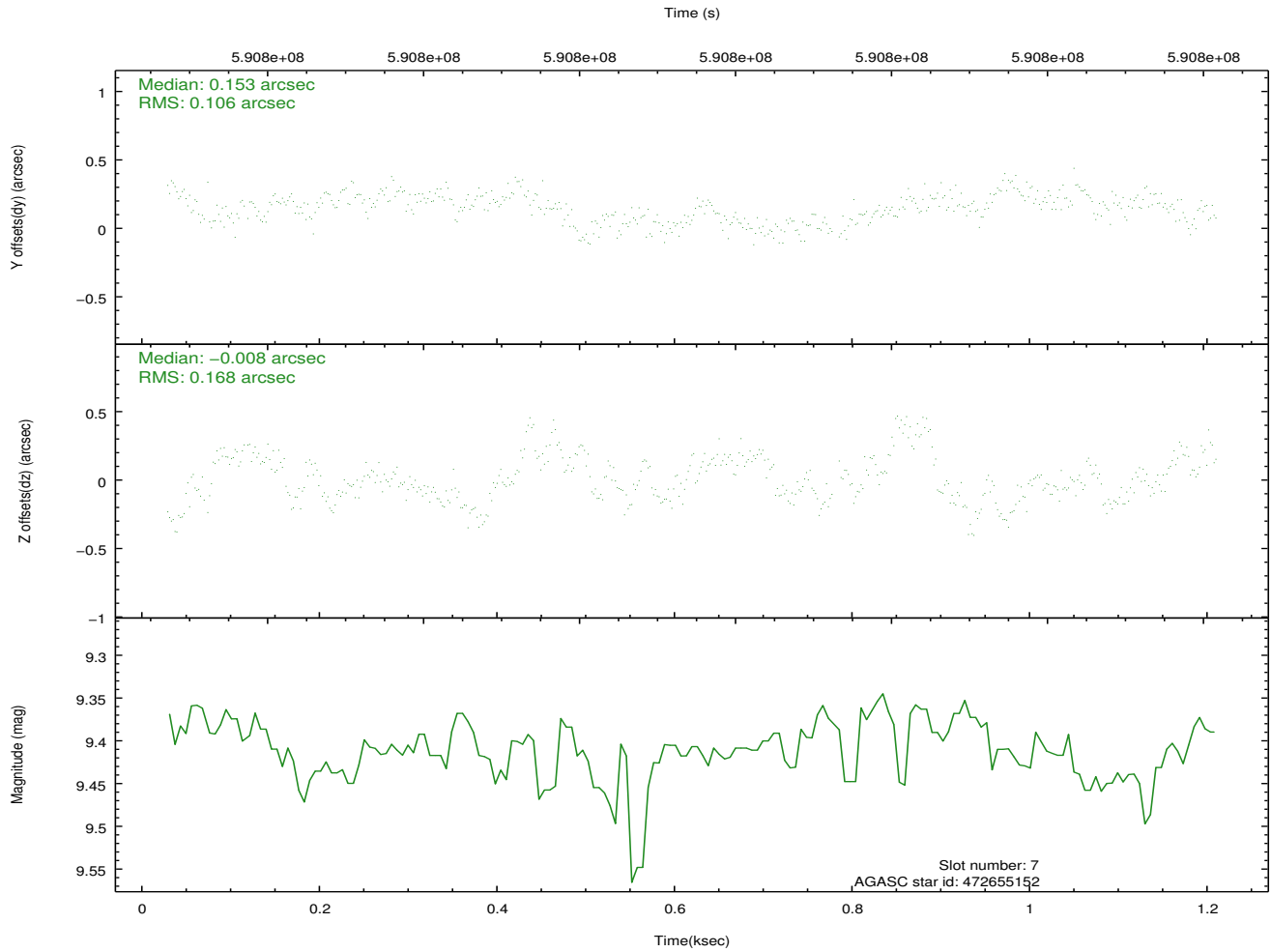
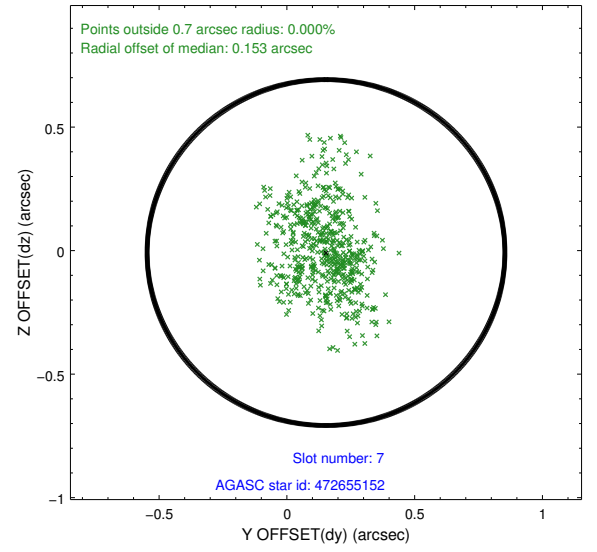
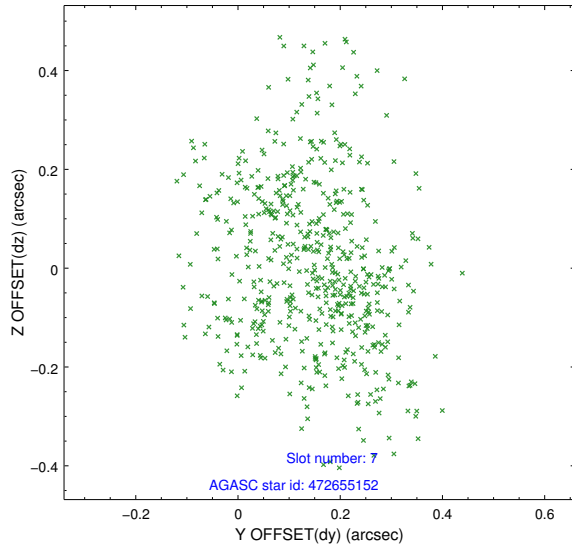
2.4.3 Slot 5



2.4.4 Slot 6

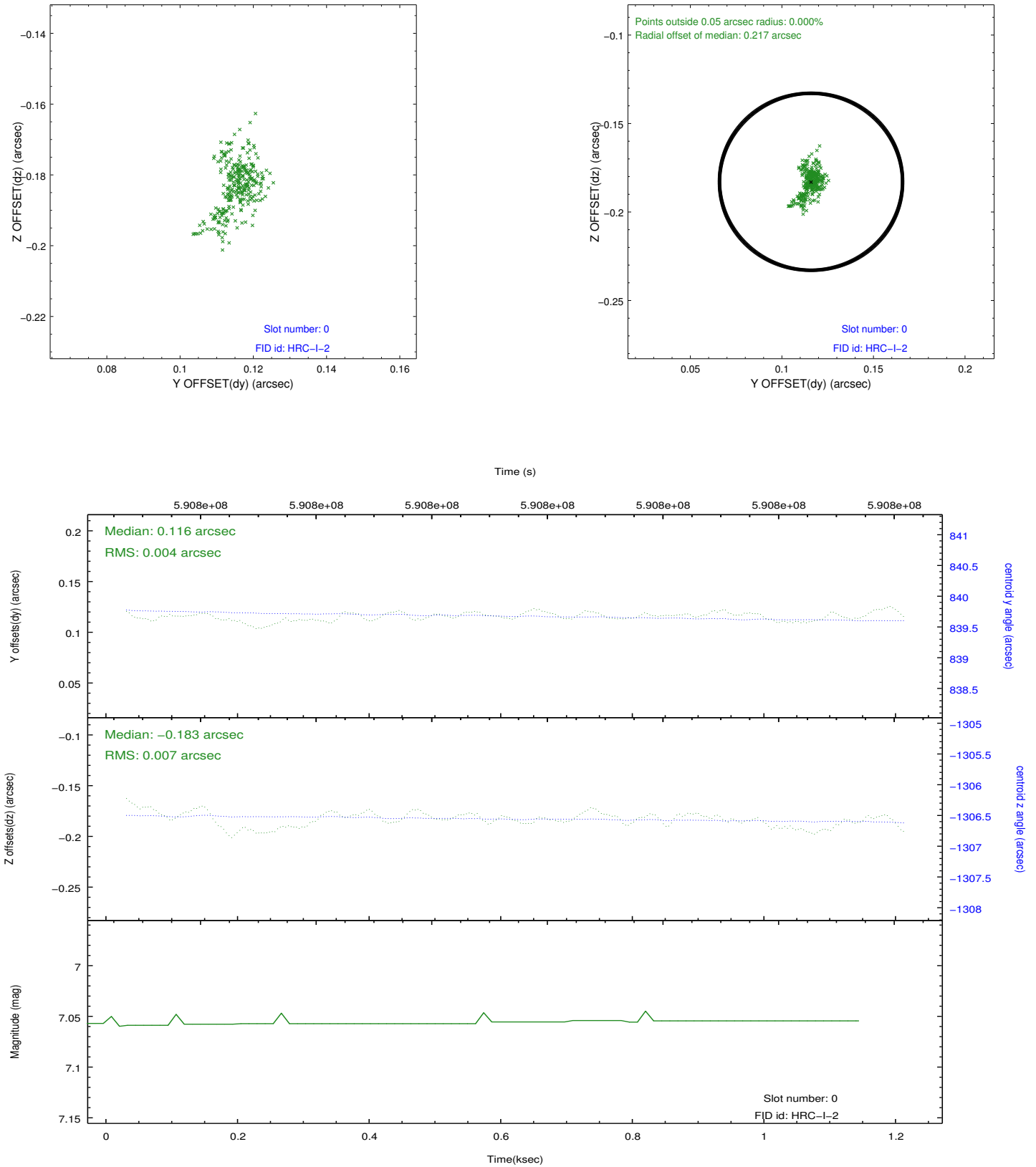


2.4.5 Slot 7

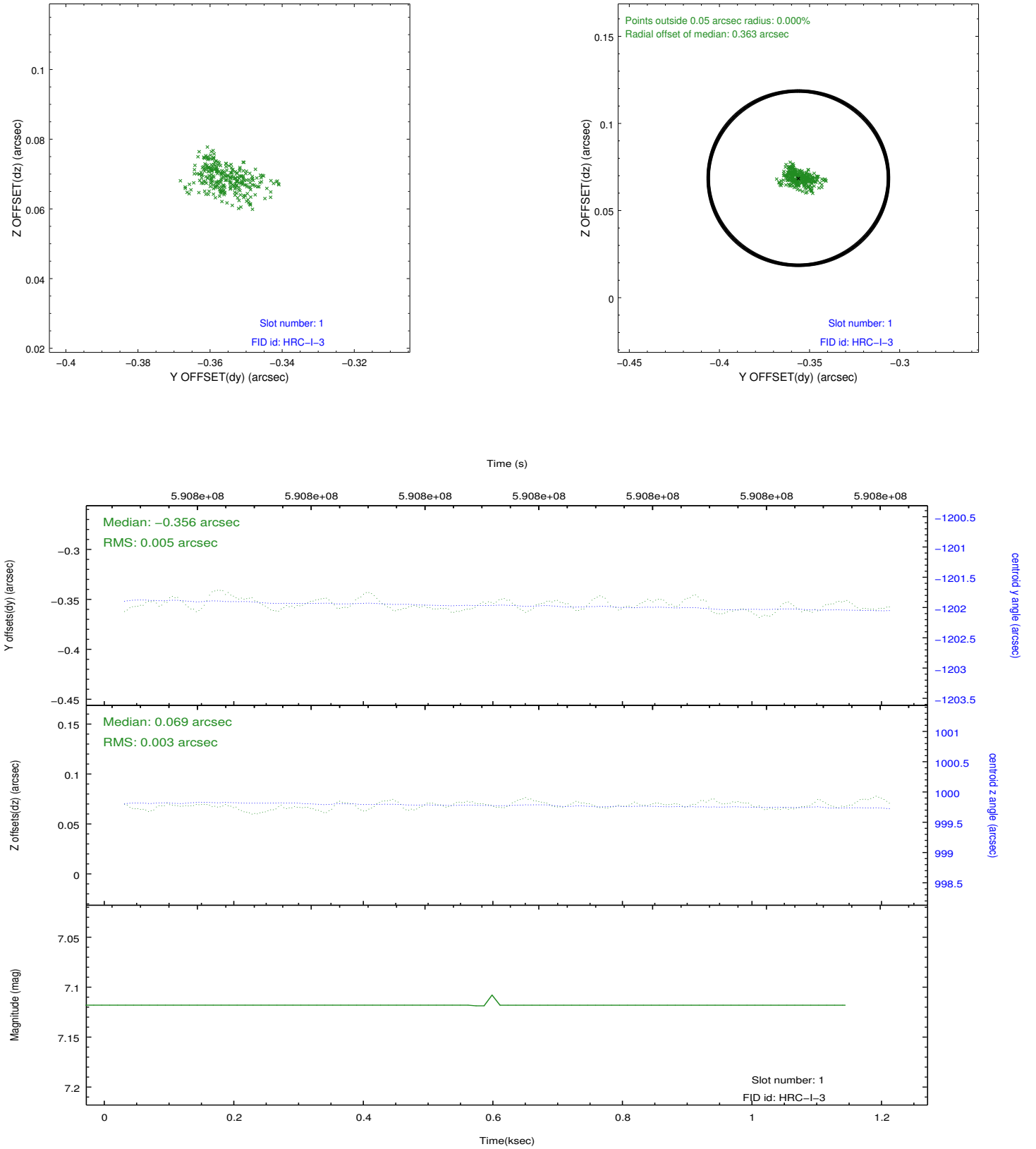


2.5 FID Slots

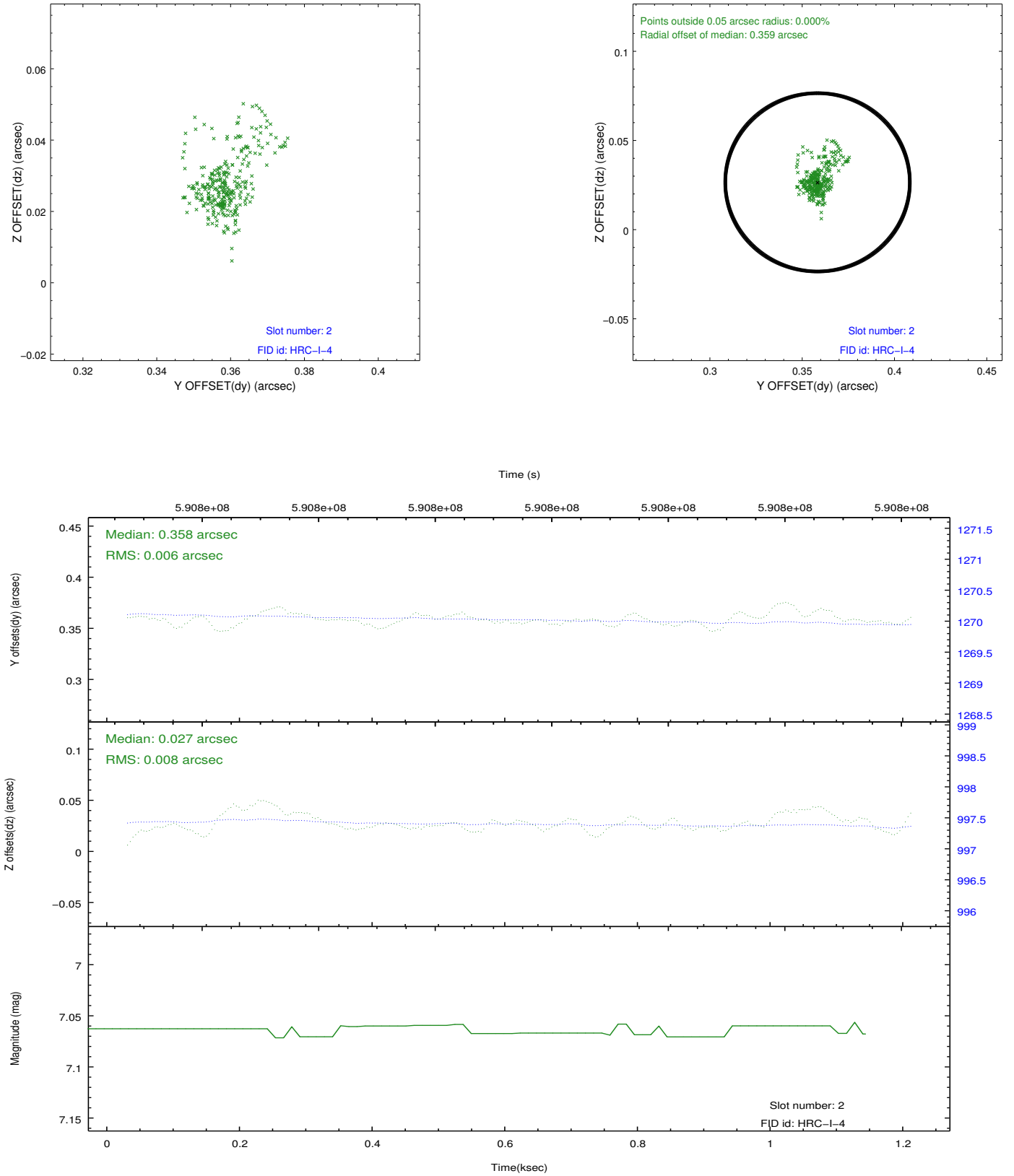
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813177824

A.2 Comments