

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5119 - L2 Version 3
Chandra X-Ray Center

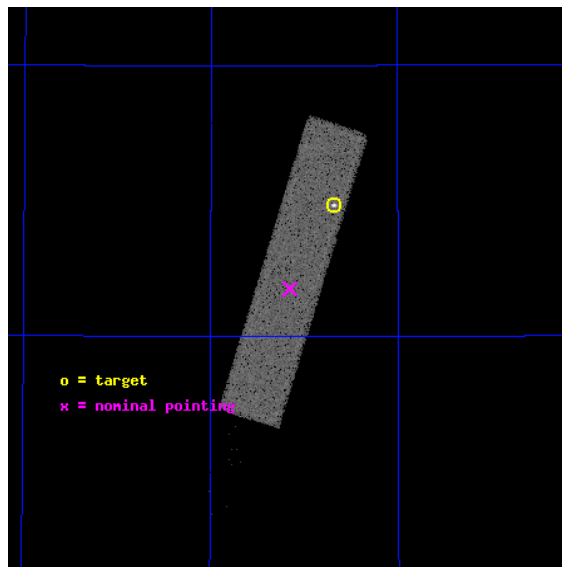
L2 Processing Date : Dec 12 2012

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1 Front

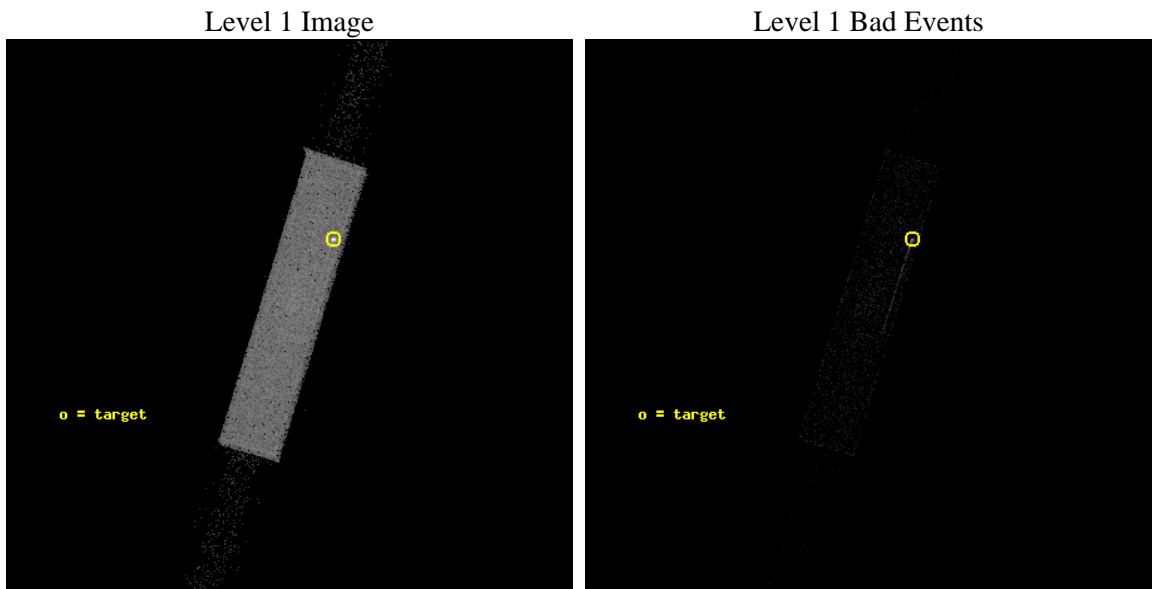
seq_num	290392	Sequence number
obs_id	5119	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.28807644761	Nominal RA [deg]
dec_nom	45.588355370151	Nominal Dec [deg]
roll_nom	287.04633294178	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1052.675047338	[s]
livetime	1045.9772774126	Ontime multiplied by DTCOR
l2events	45294	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1052.675047338	[s]
caldsver	4.5.4	 	l1events	76698	Number of level 1 events
date	2012-12-12T00:12:16	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

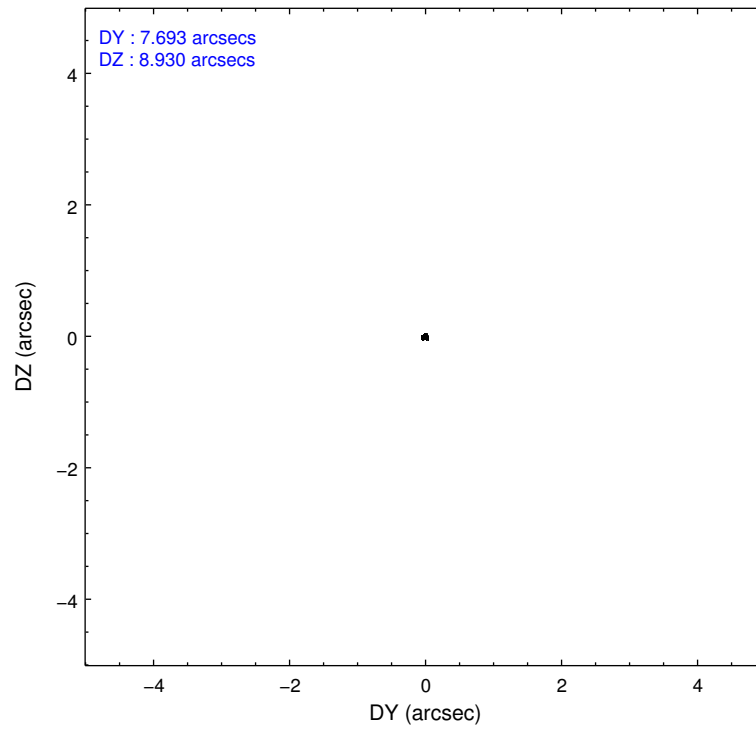
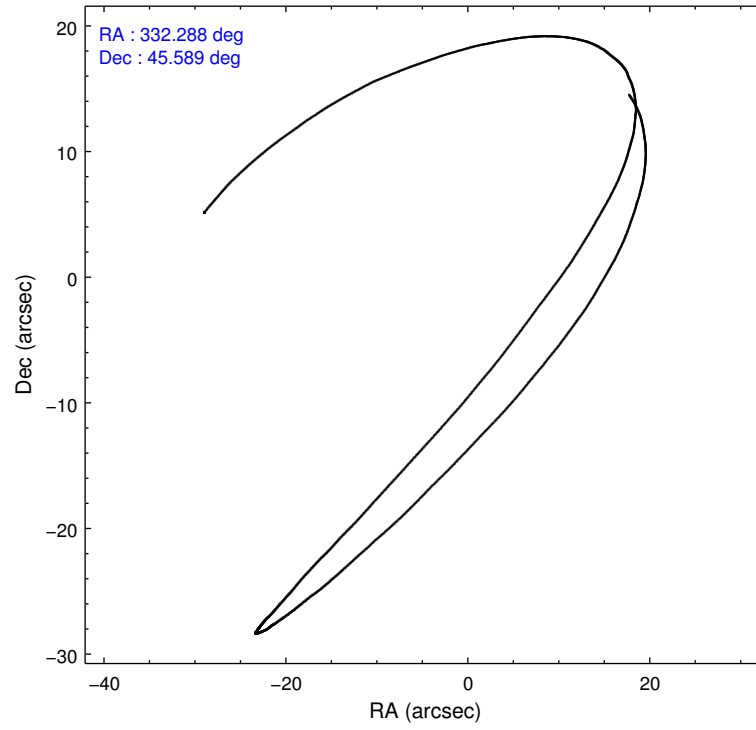
Level 1 Events

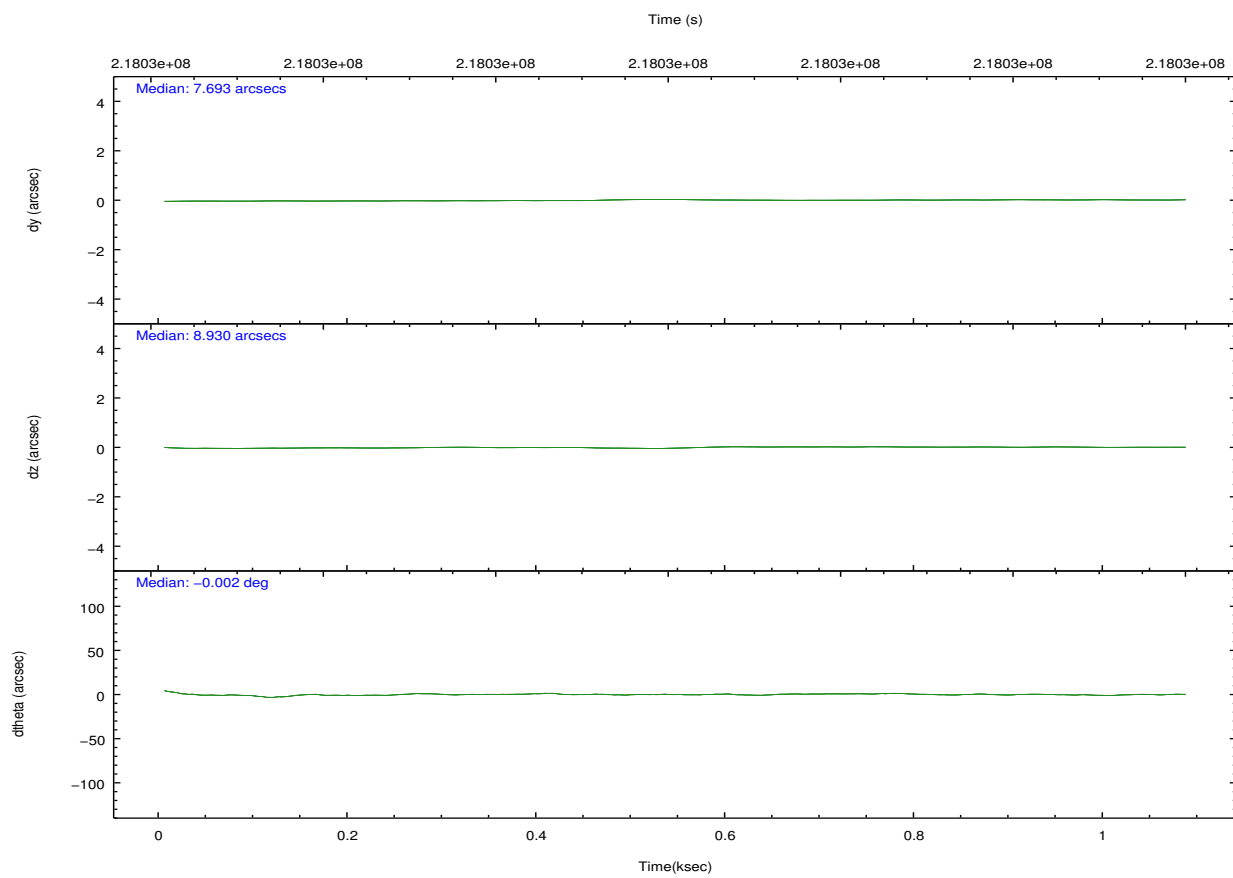
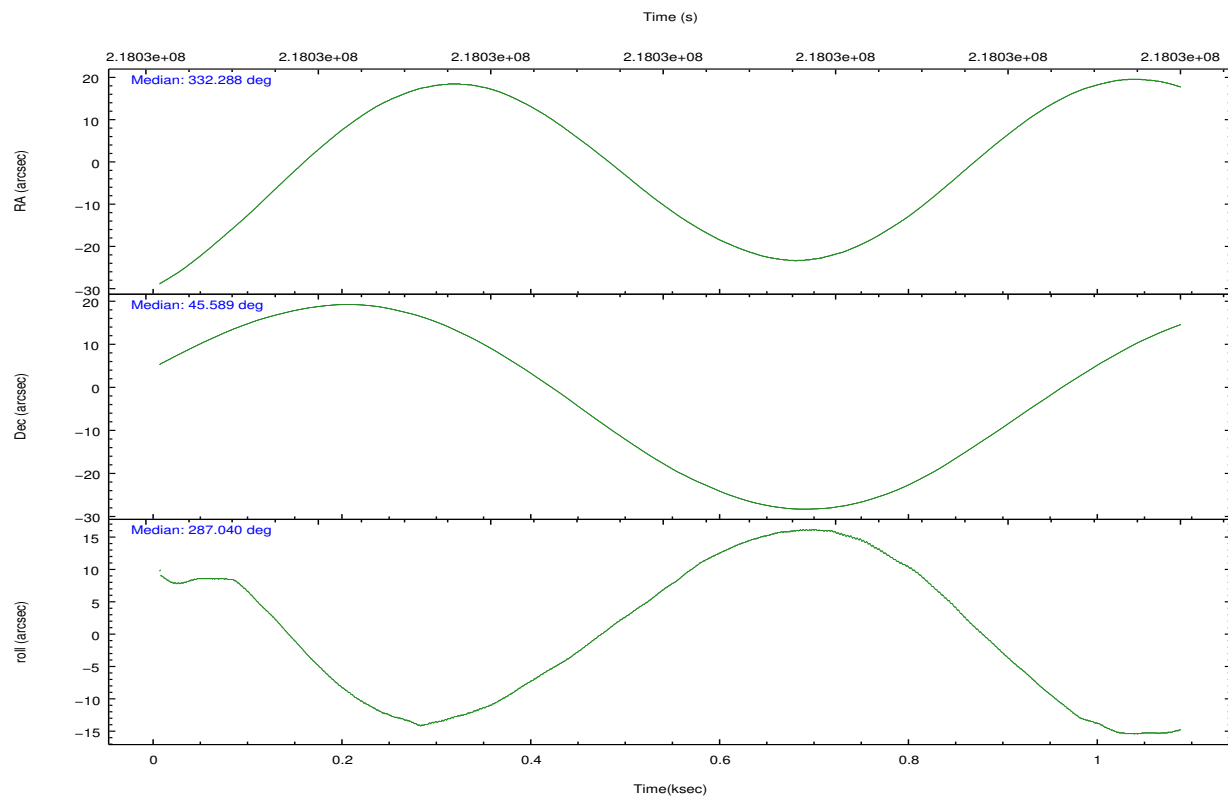
	segment 1	segment 2	segment 3
level 1 events	753	75263	682
rejected events	753	19054	661
rejected %	100%	25%	96%

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	332.255930	332.2880764476112			
[deg] Pointing Dec	45.606609	45.58835537015072			
[deg] Pointing Roll	287.001990	287.0463329417797			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	218032653.184000	218032276.61931			
Observation start date	2004-11-28T12:36:29	2004-11-28T12:31:16			
[s] Observation end time (MET)	218033553.184000	218033687.01937			
Observation end date	2004-11-28T12:51:29	2004-11-28T12:54:47			

2.3 Aspect



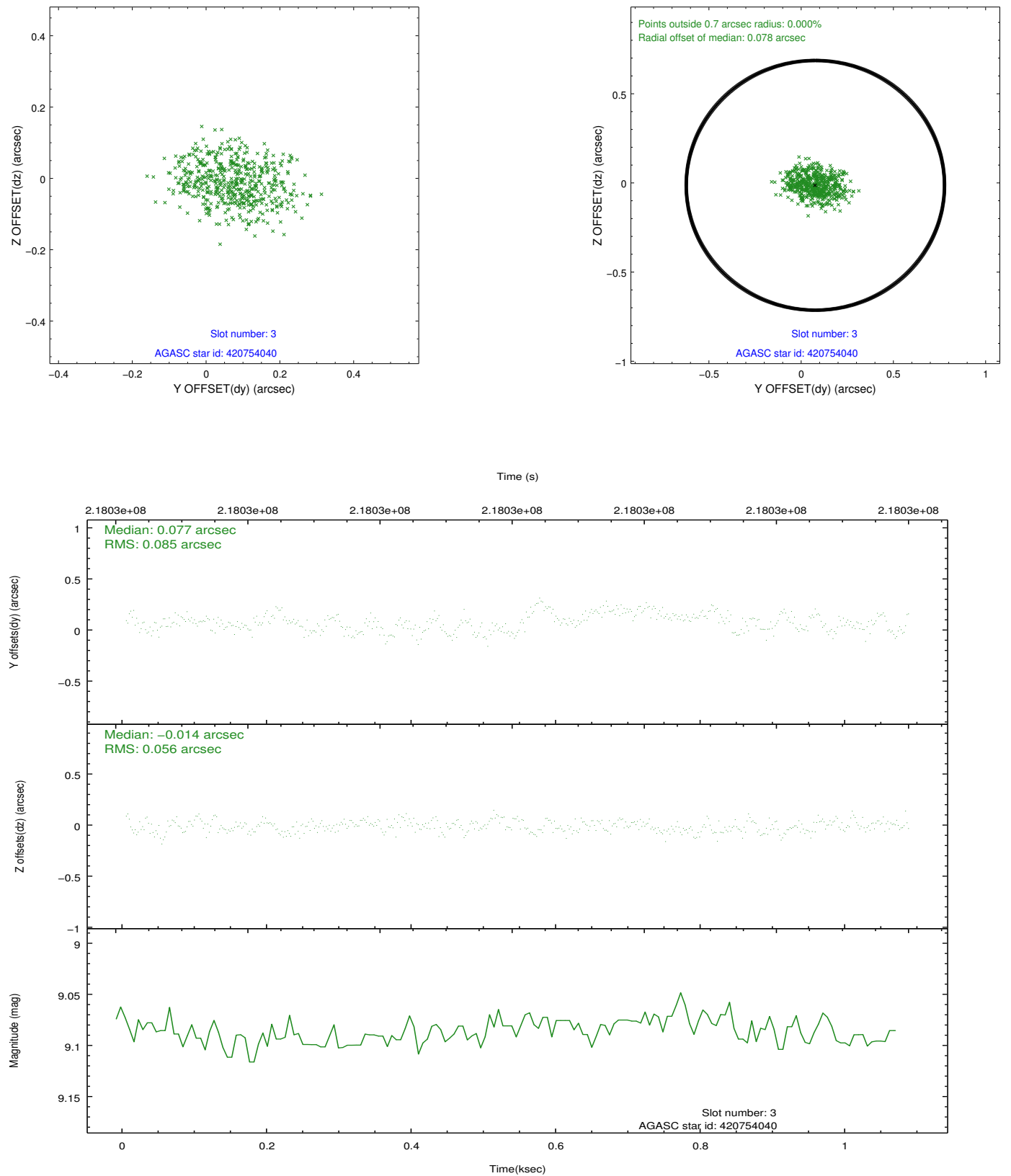


Slot Statistics

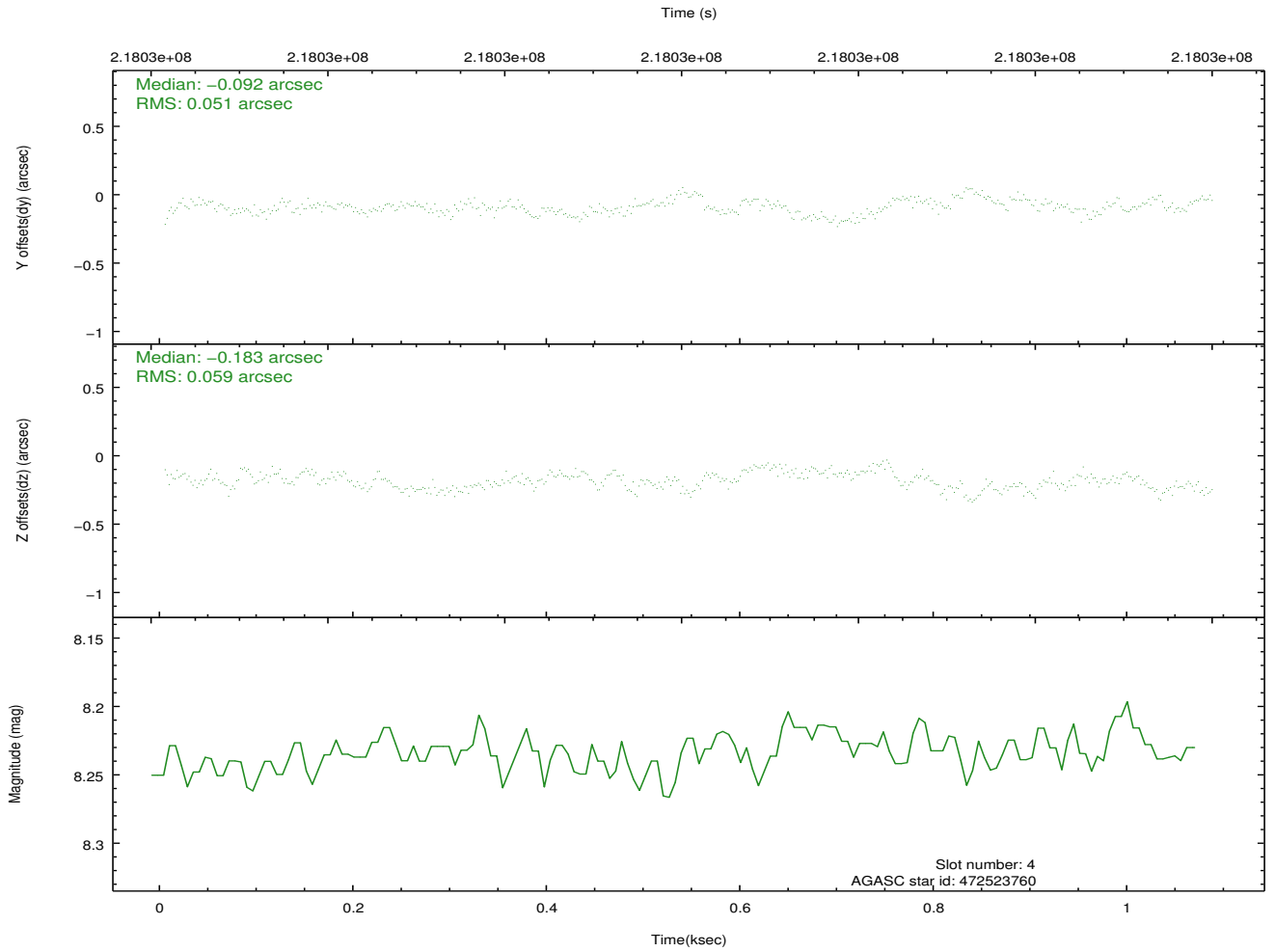
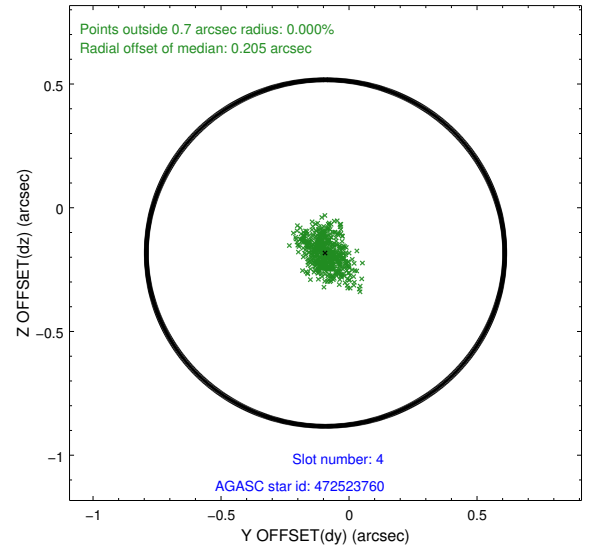
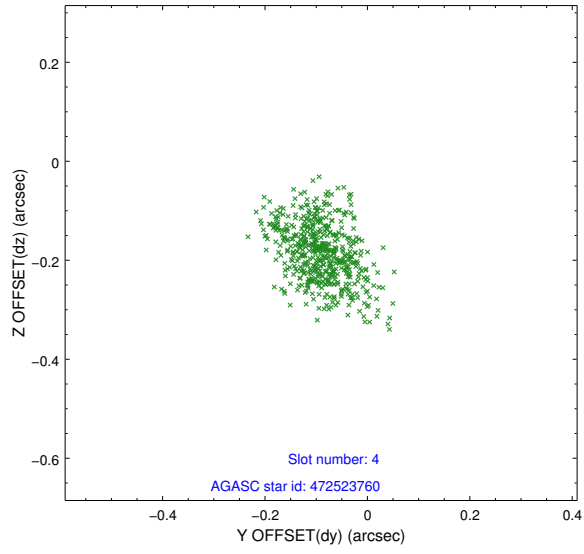
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.03	264	0.141	-0.118	0.009	0.015	0.000000	0.000000	1237.82	-450.22
1	FID	HRC-S-3	7.04	264	0.048	-0.096	0.005	0.010	0.000000	0.000000	-1159.96	570.35
2	FID	HRC-S-4	7.01	264	0.216	-0.083	0.010	0.015	0.000000	0.000000	1232.11	576.71
3	GUIDE	420754040	9.09	529	0.077	-0.014	0.111	0.170	331.917939	44.882543	2239.54	-1587.52
4	GUIDE	472523760	8.23	529	-0.092	-0.183	0.082	0.135	331.645363	45.403260	247.92	-1693.50
5	GUIDE	472654568	9.44	529	0.097	0.032	0.119	0.191	332.194449	45.063576	1824.73	-726.24
6	GUIDE	472655152	9.43	529	0.009	0.068	0.112	0.178	332.504239	45.862991	-697.74	861.98
7	GUIDE	472659832	9.45	524	-0.093	0.077	0.115	0.182	332.780399	46.098139	-1314.64	1770.13

2.4 Star Slots

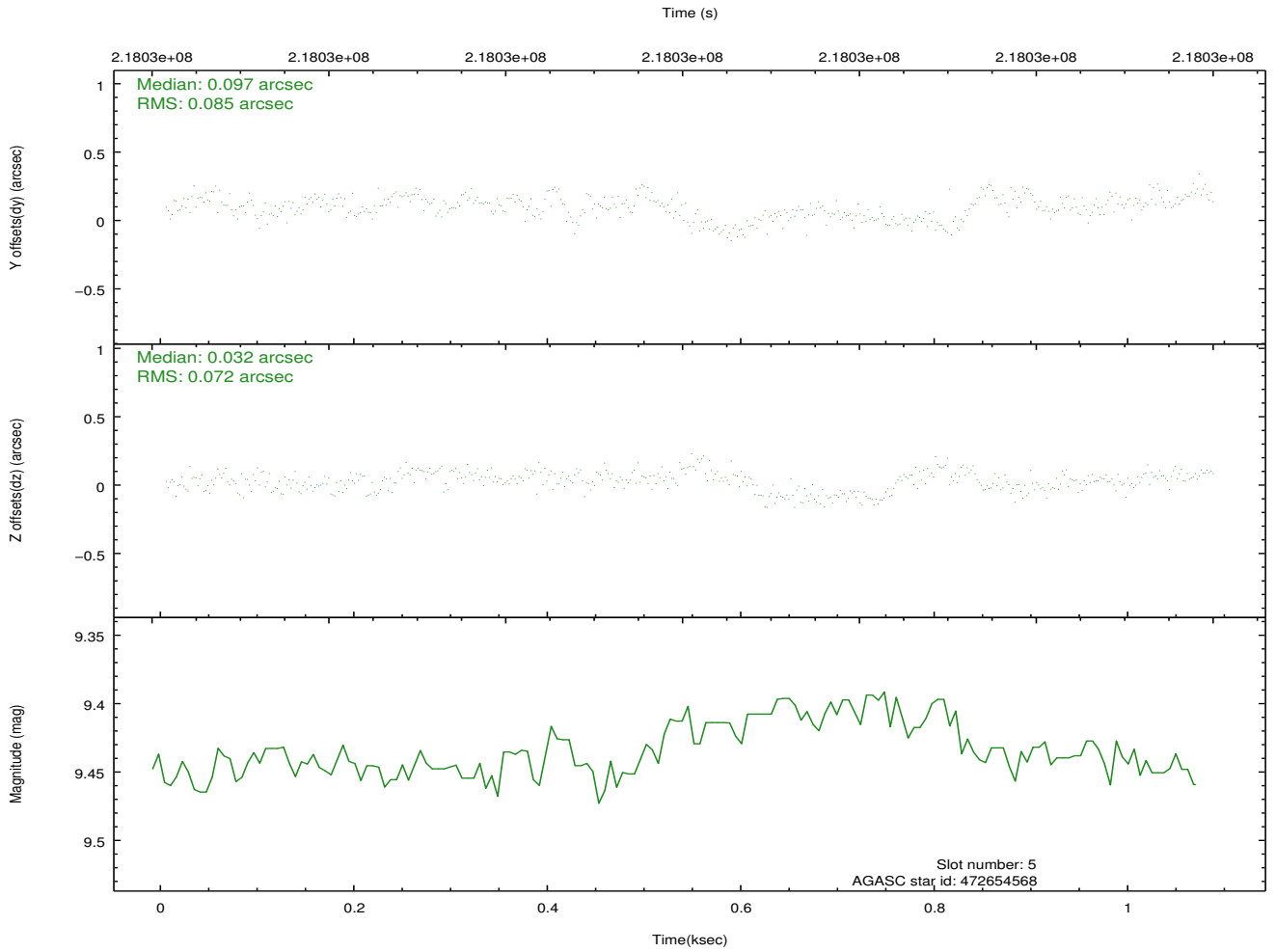
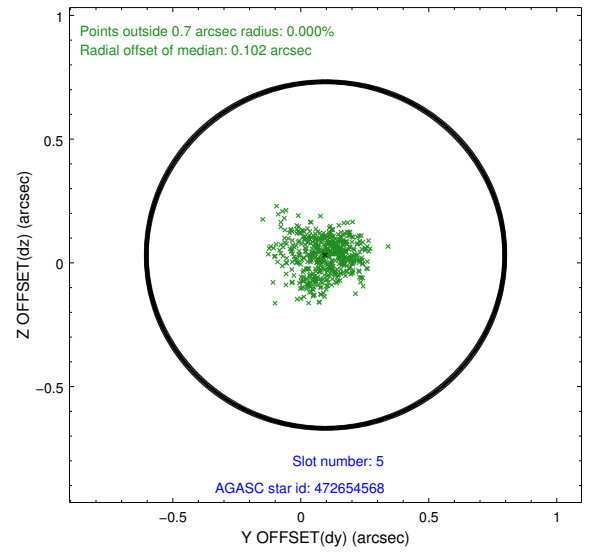
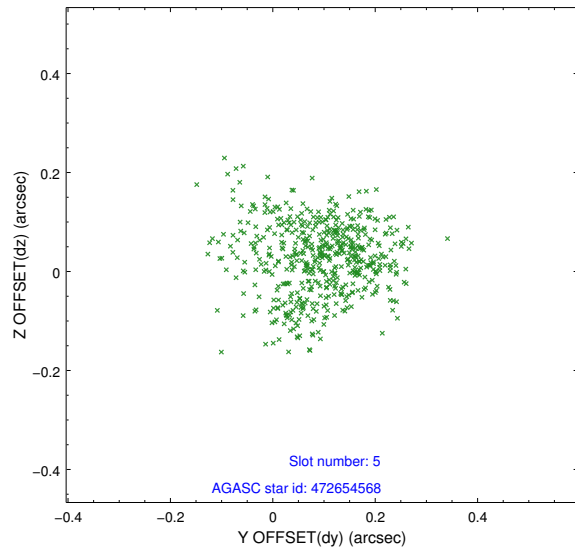
2.4.1 Slot 3



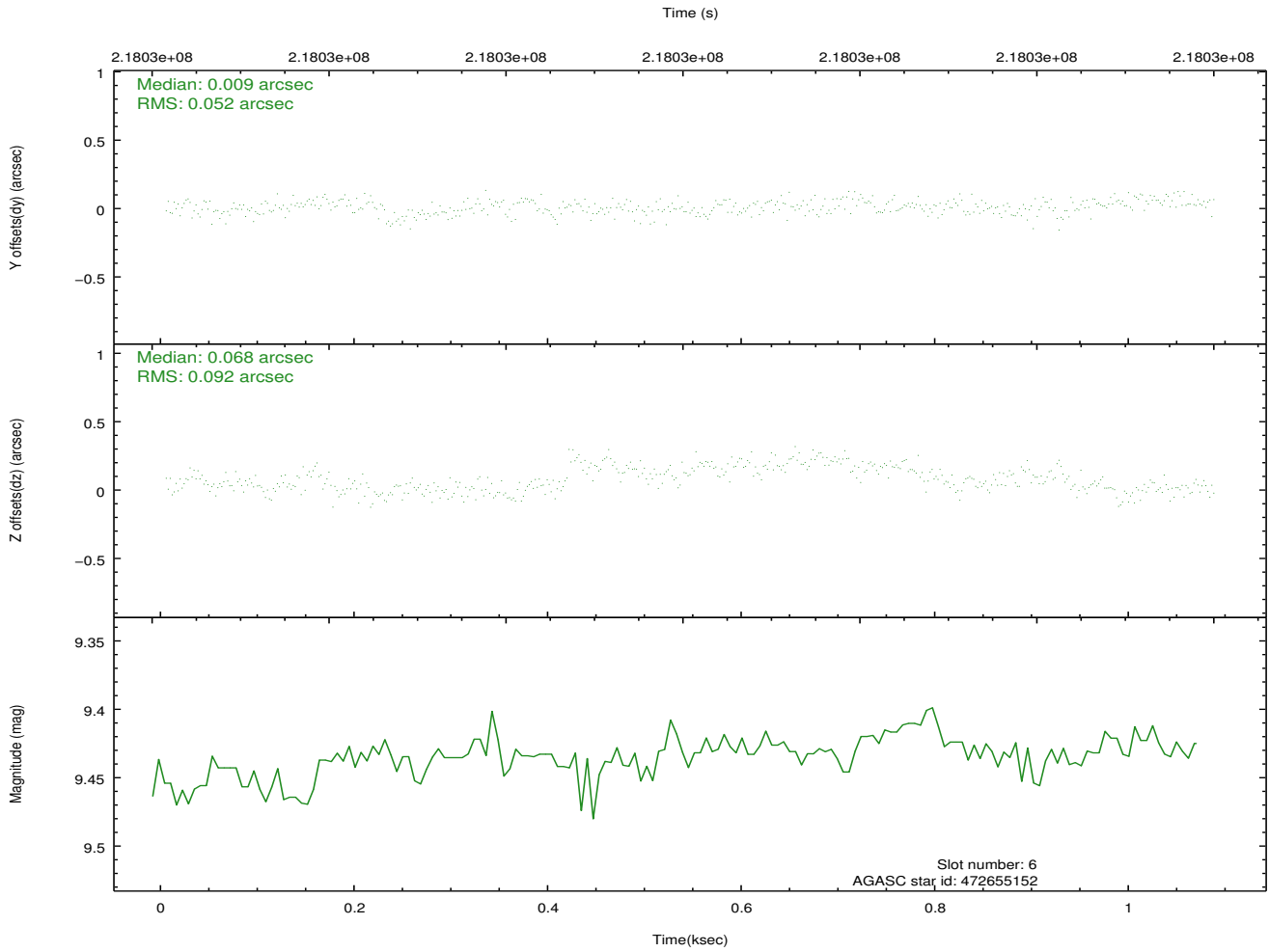
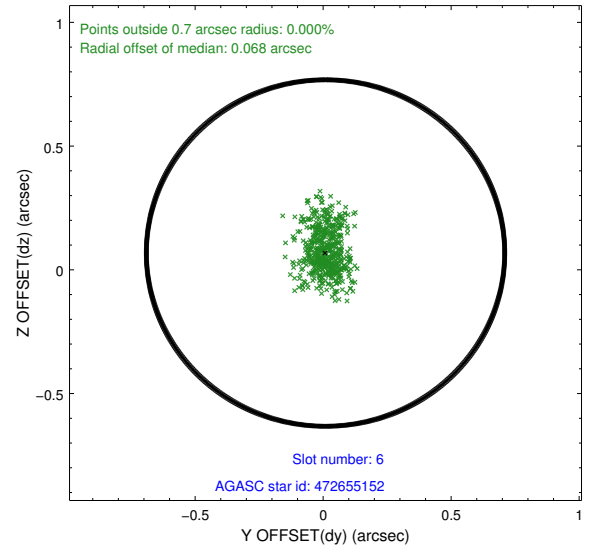
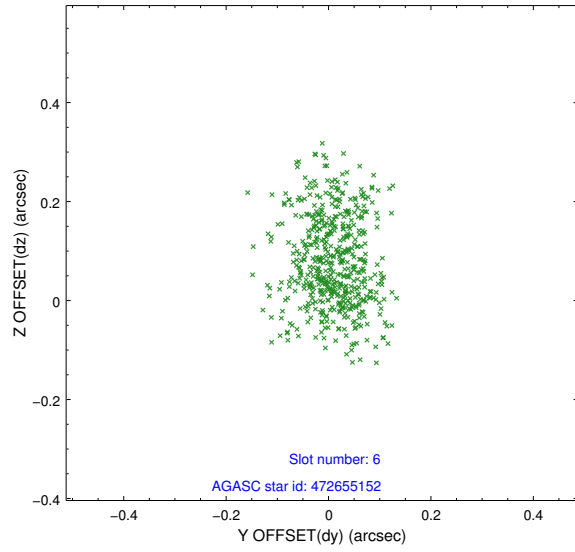
2.4.2 Slot 4



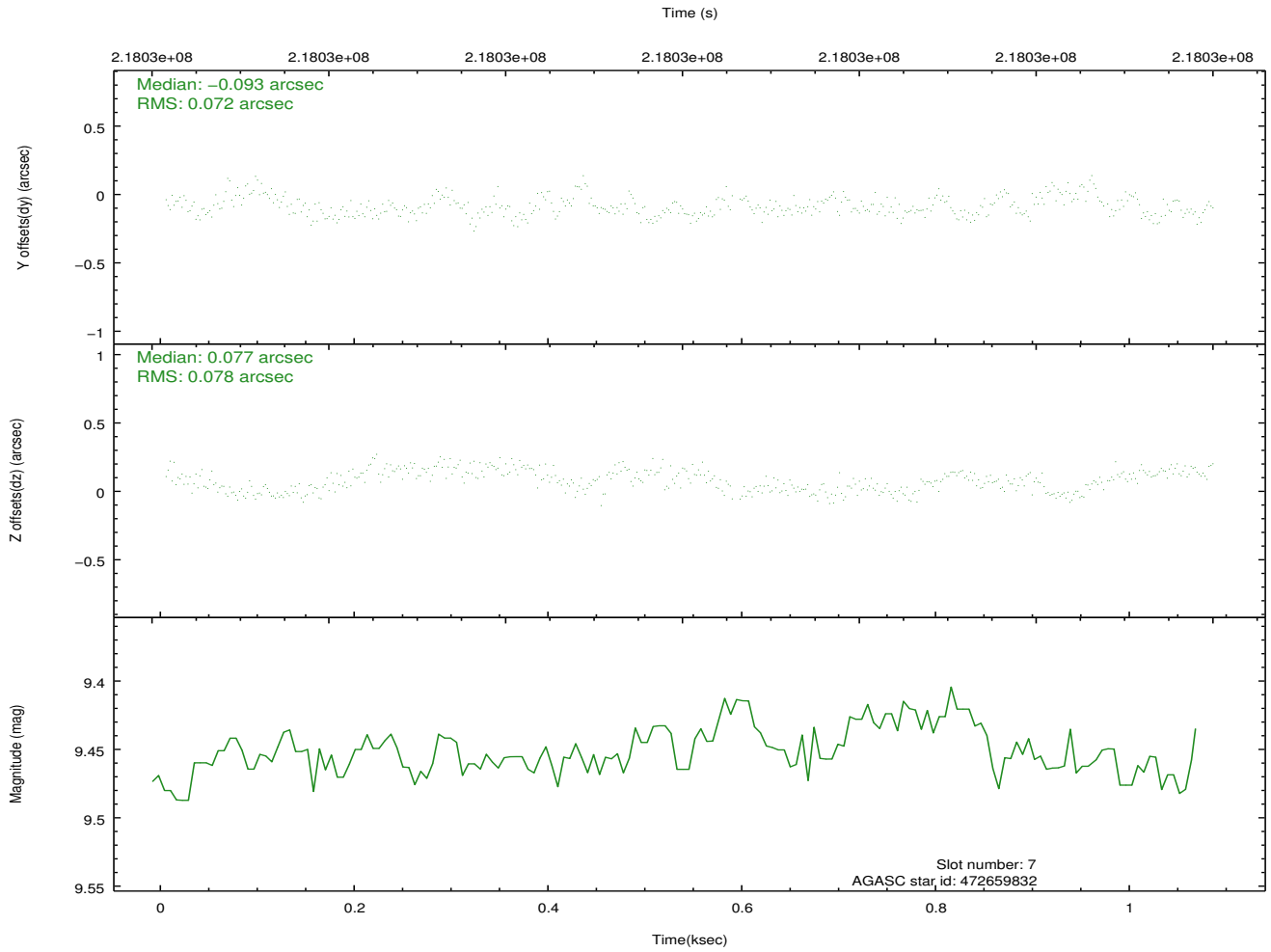
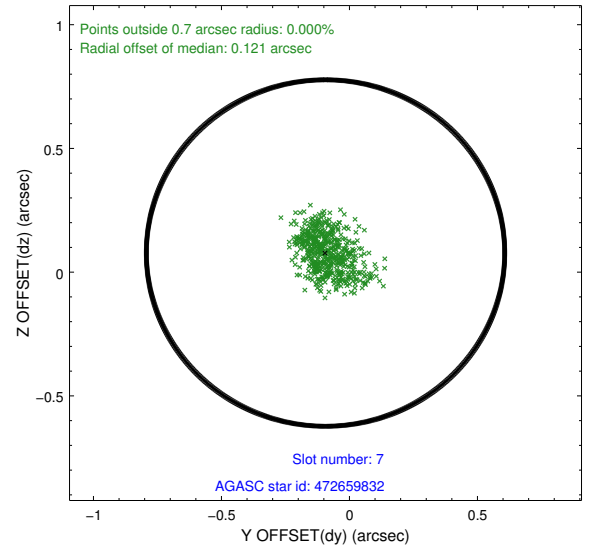
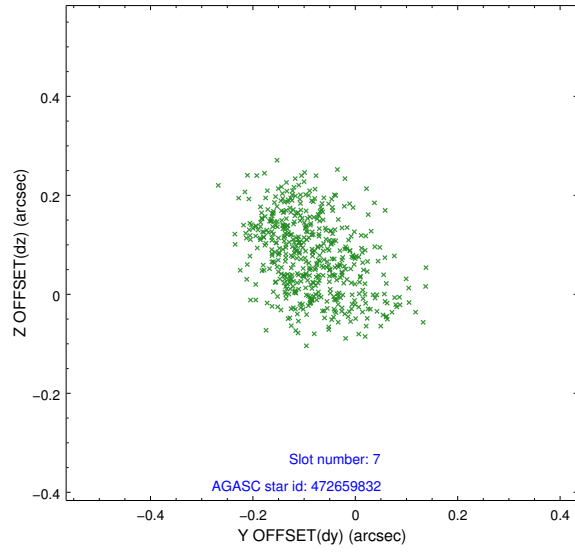
2.4.3 Slot 5



2.4.4 Slot 6

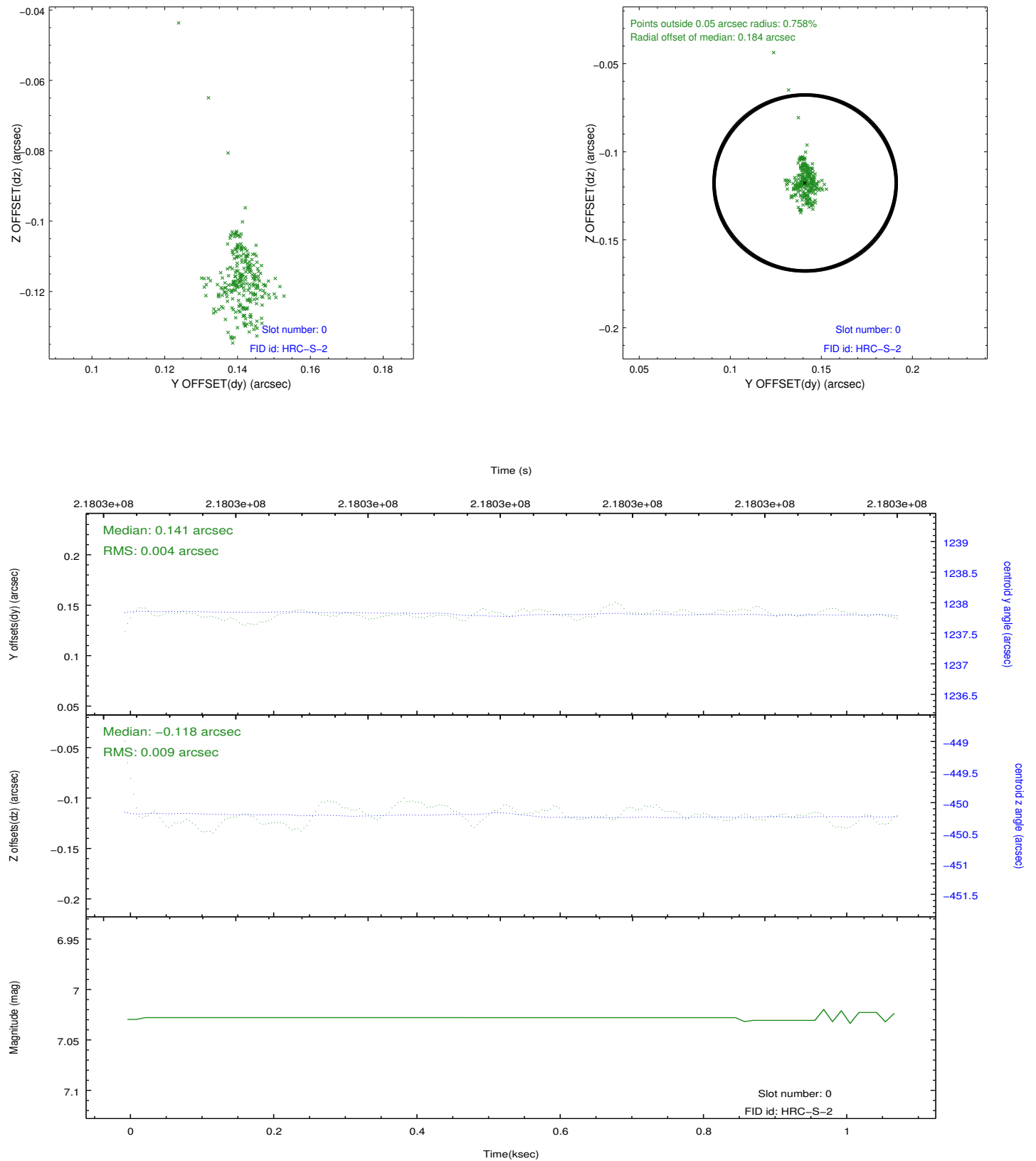


2.4.5 Slot 7

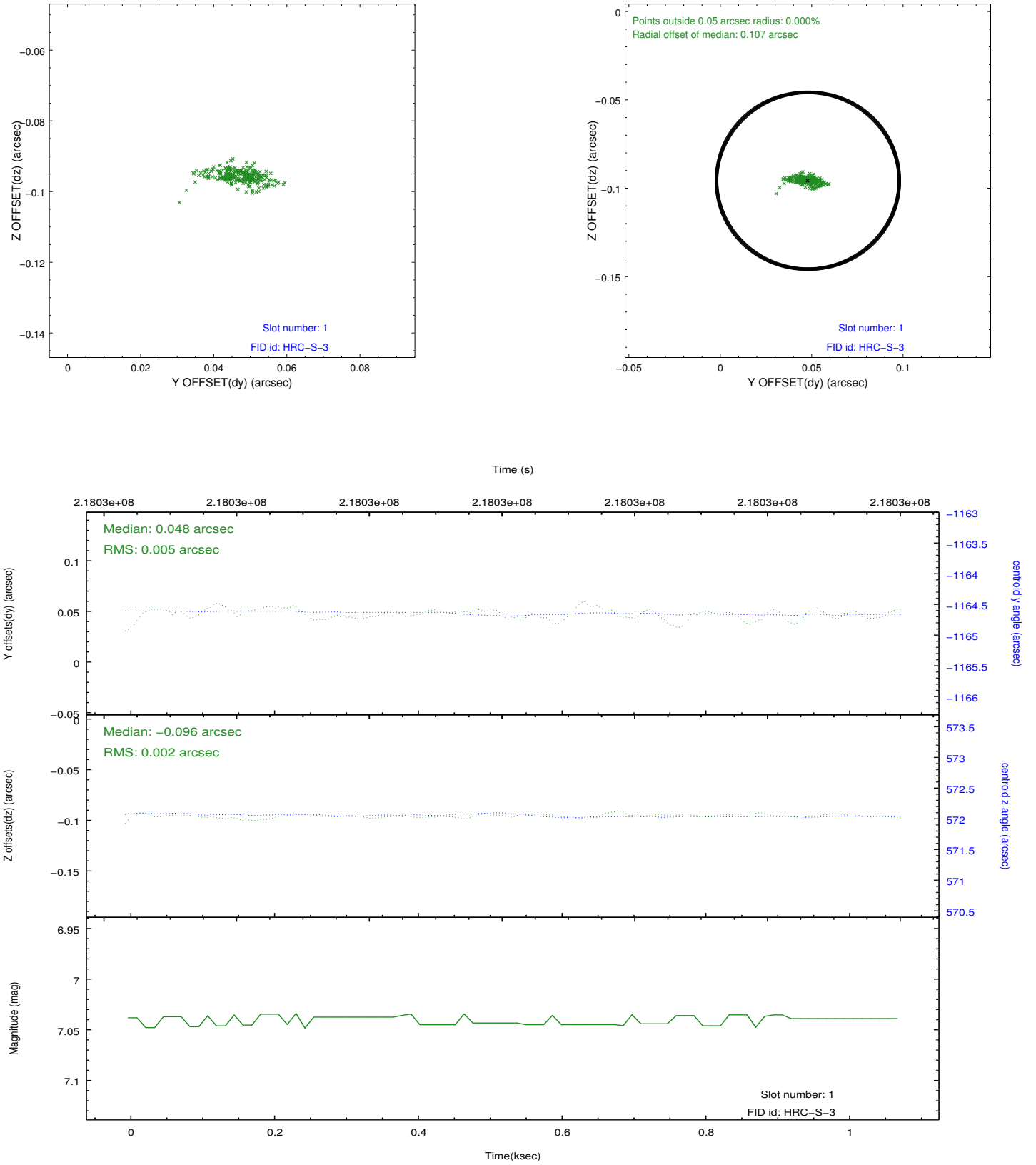


2.5 FID Slots

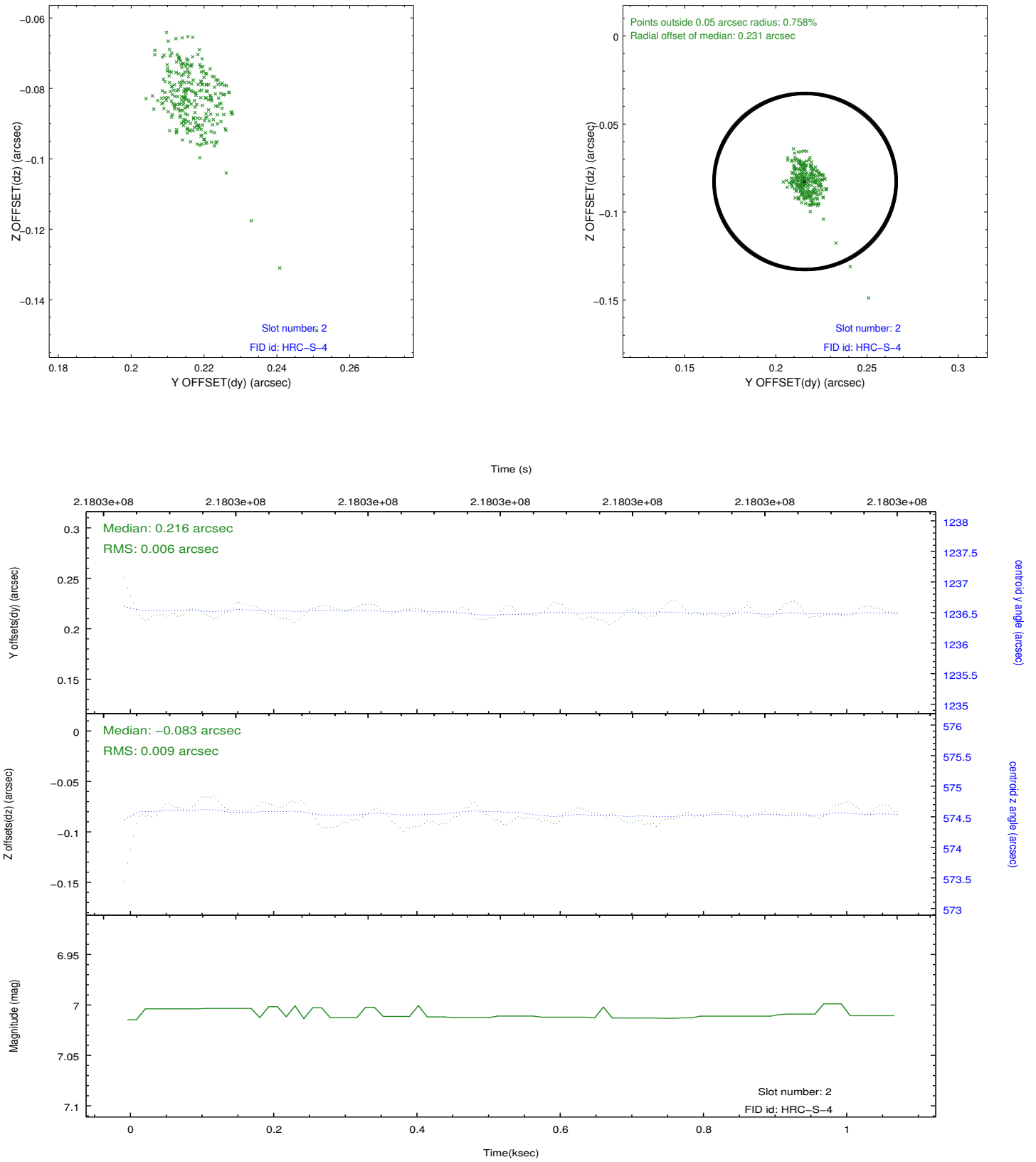
2.5.1 Slot 0



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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.052675

A.2 Comments