

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 365 - L2 Version 4
Chandra X-Ray Center

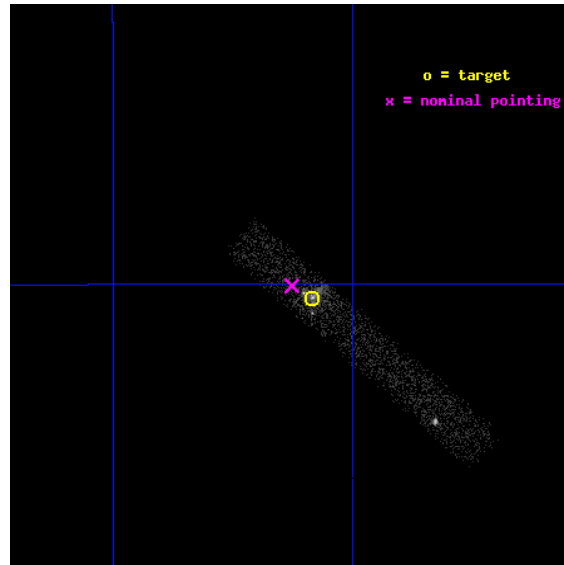
L2 Processing Date : Aug 24 2012

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1 Front

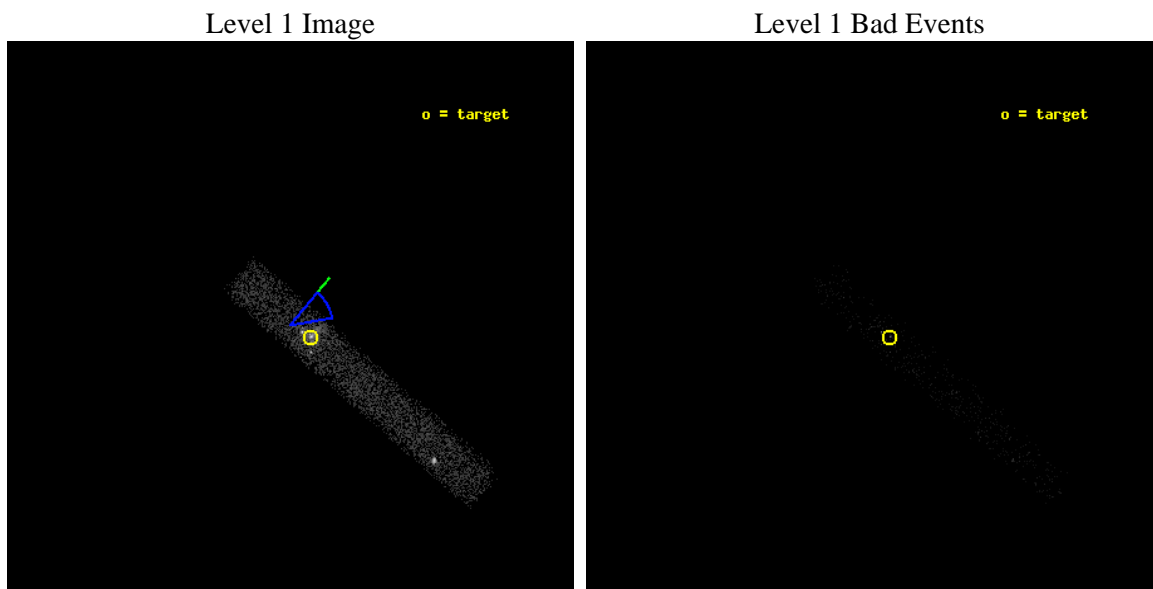
seq_num	700028	Sequence number
obs_id	365	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS	Proposal title
observer	Professor Andrew Wilson	Principal investigator
object	CIRCINUS GALAXY	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.2925	Observer's specified target RA [deg]
dec_targ	-65.339167	Observer's specified target Dec [deg]
ra_nom	213.3133849516	Nominal RA [deg]
dec_nom	-65.334102107222	Nominal Dec [deg]
roll_nom	40.968438163797	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5484.7590417415	Sum of GTIs [s]
liveltime	4974.3869415395	Livetime [s]
ontime7	5484.7590417415	Sum of GTIs [s]
l2events	9207	Number of level 2 events



2 OBI

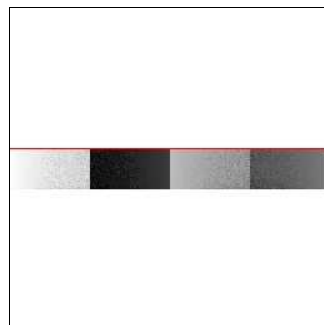
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5484.7590417415	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	5484.7590417415	Sum of GTIs [s]
date	2012-08-24T04:50:45	Date and time of file creation	l1events	13367	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	13367
rejected events	3955
rejected %	29%

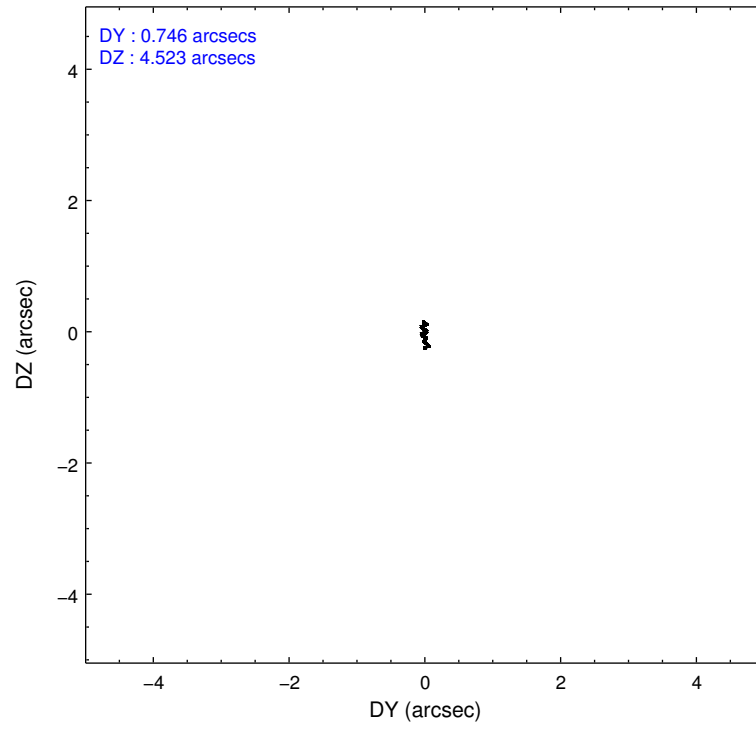
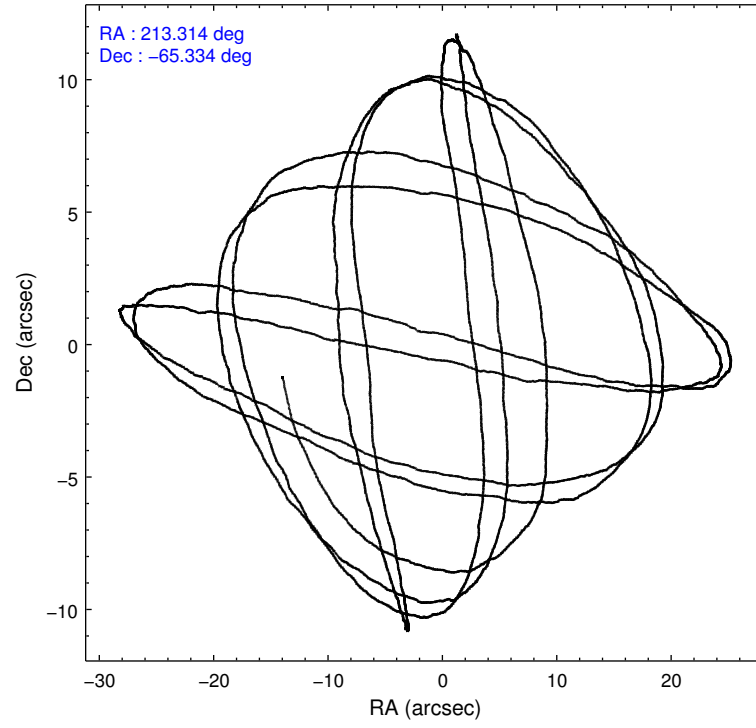
	ccd 7
grade 0 events	2023
	15%
grade 1 events	22
	0%
grade 2 events	2239
	16%
grade 3 events	1314
	9%
grade 4 events	1124
	8%
grade 5 events	681
	5%
grade 6 events	3079
	23%
grade 7 events	2885
	21%

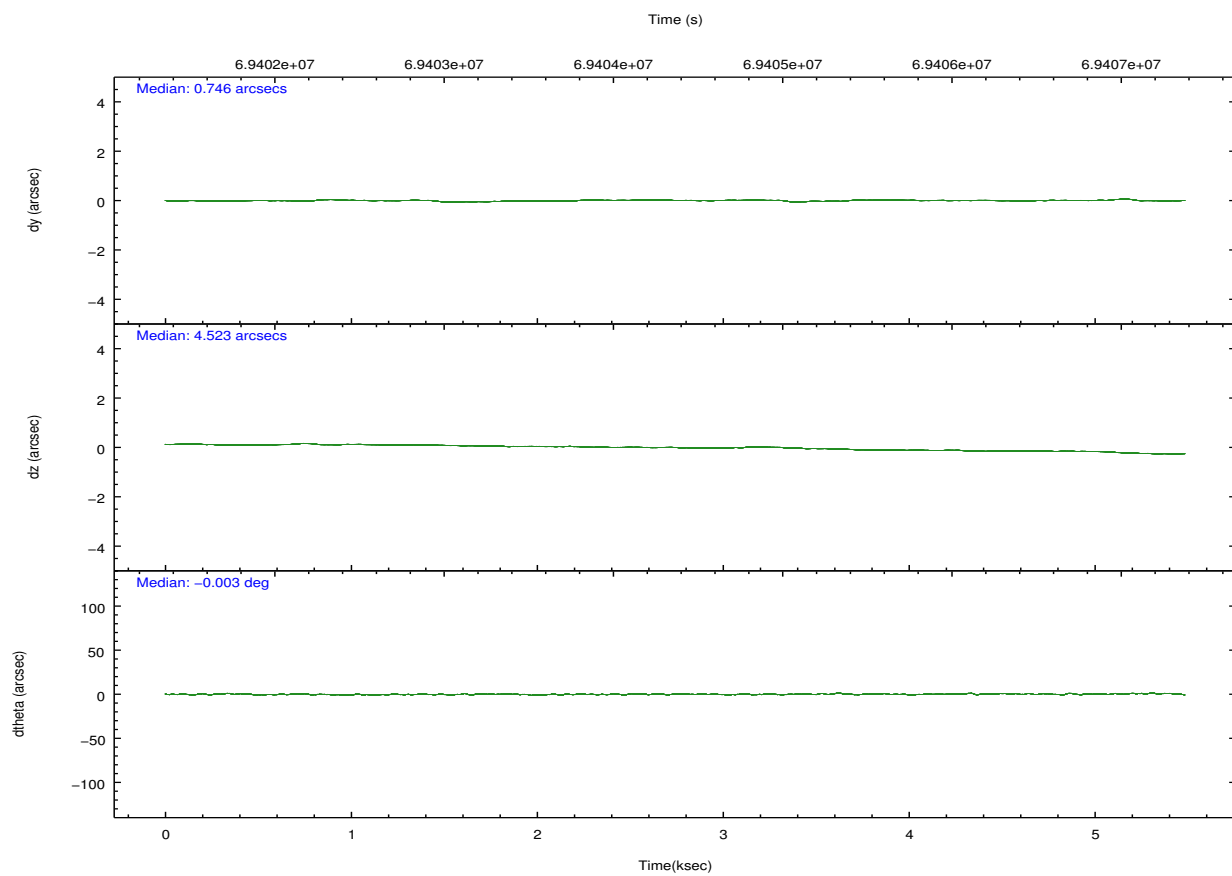
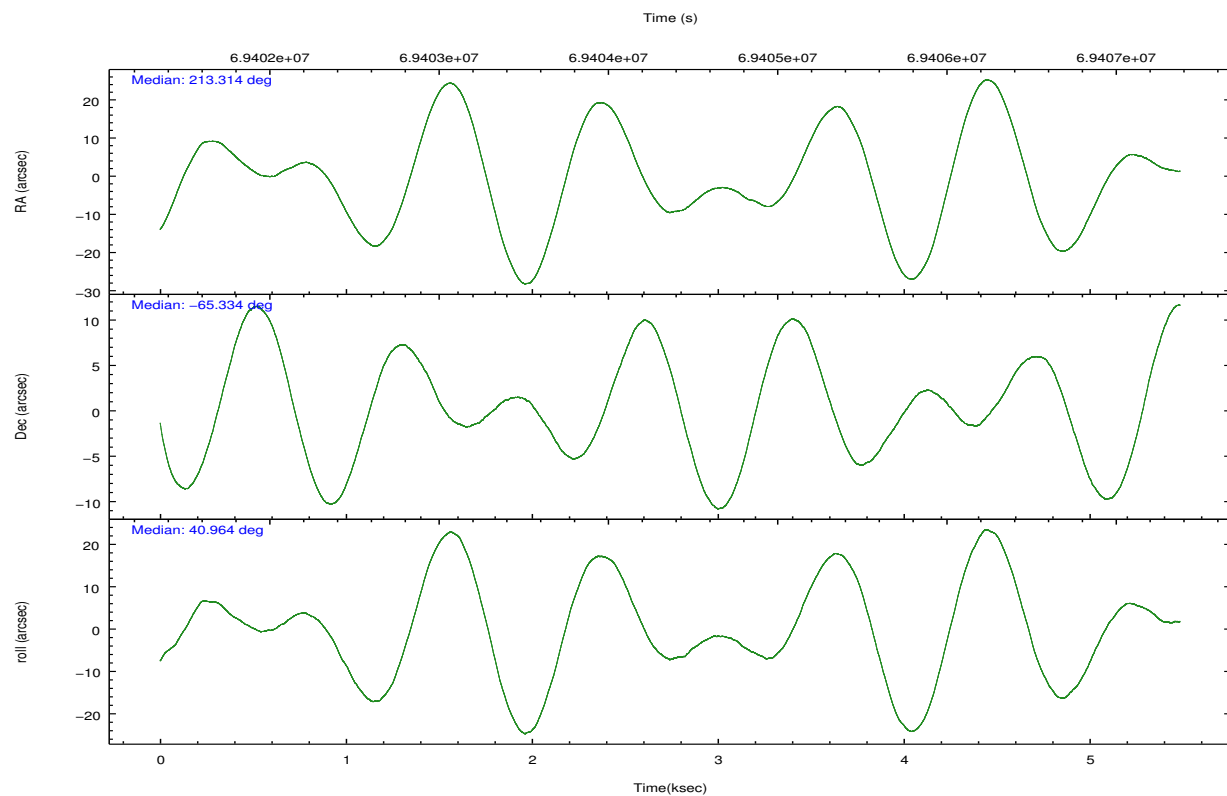
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	213.291936	213.3133849515961
[deg] Pointing Dec	-65.360059	-65.33410210722153
[deg] Pointing Roll	40.792304	40.96843816379721
[deg] Roll angle	60.000000	60.000000
[deg] Roll tolerance	20.000000	20.000000
Roll constraint allows 180D rotation	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	69402107.184000	69400950.38224199
Observation start date	2000-03-14T06:20:43	2000-03-14T06:02:30
[s] Observation end time (MET)	69407107.184000	69407241.832472
Observation end date	2000-03-14T07:44:03	2000-03-14T07:47:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



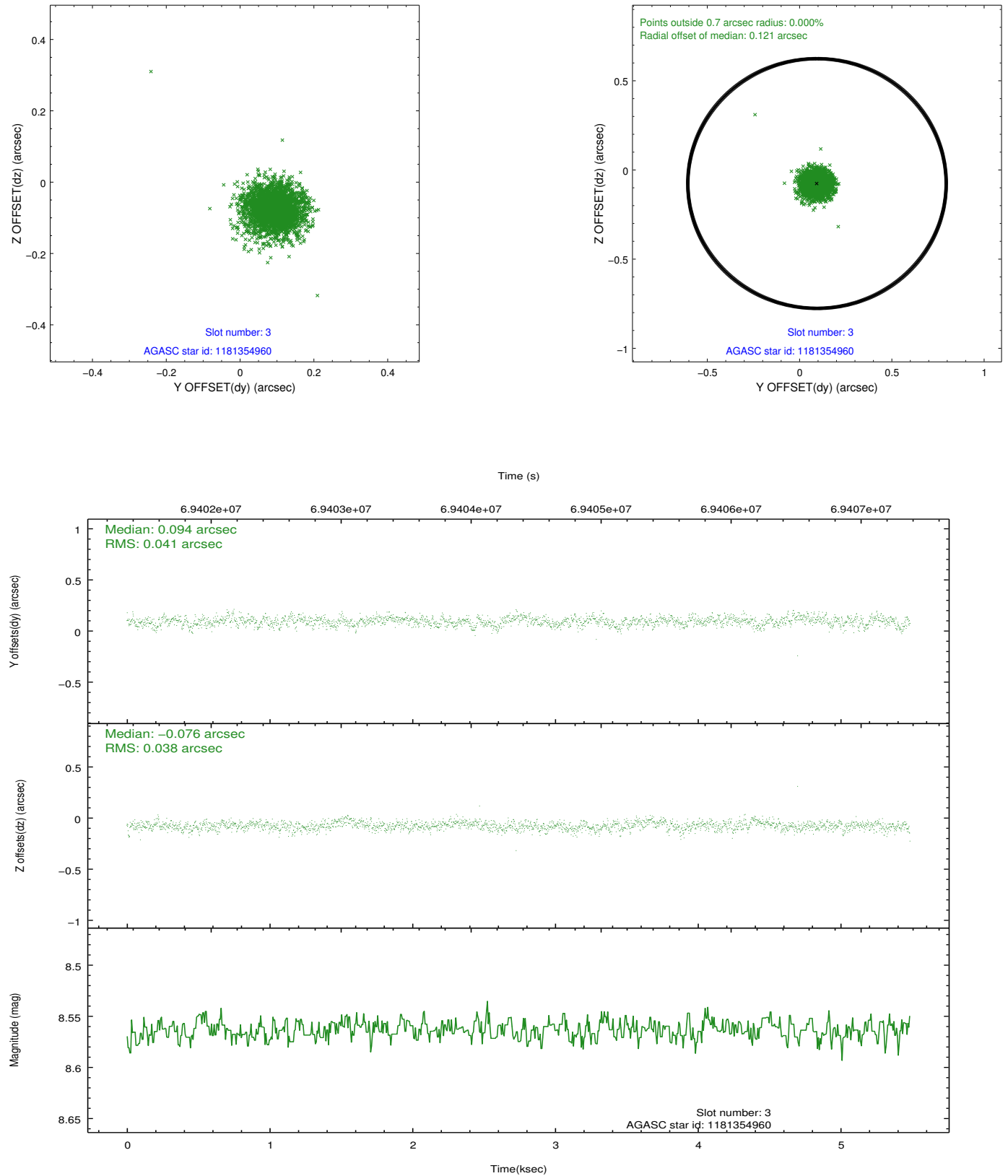


Slot Statistics

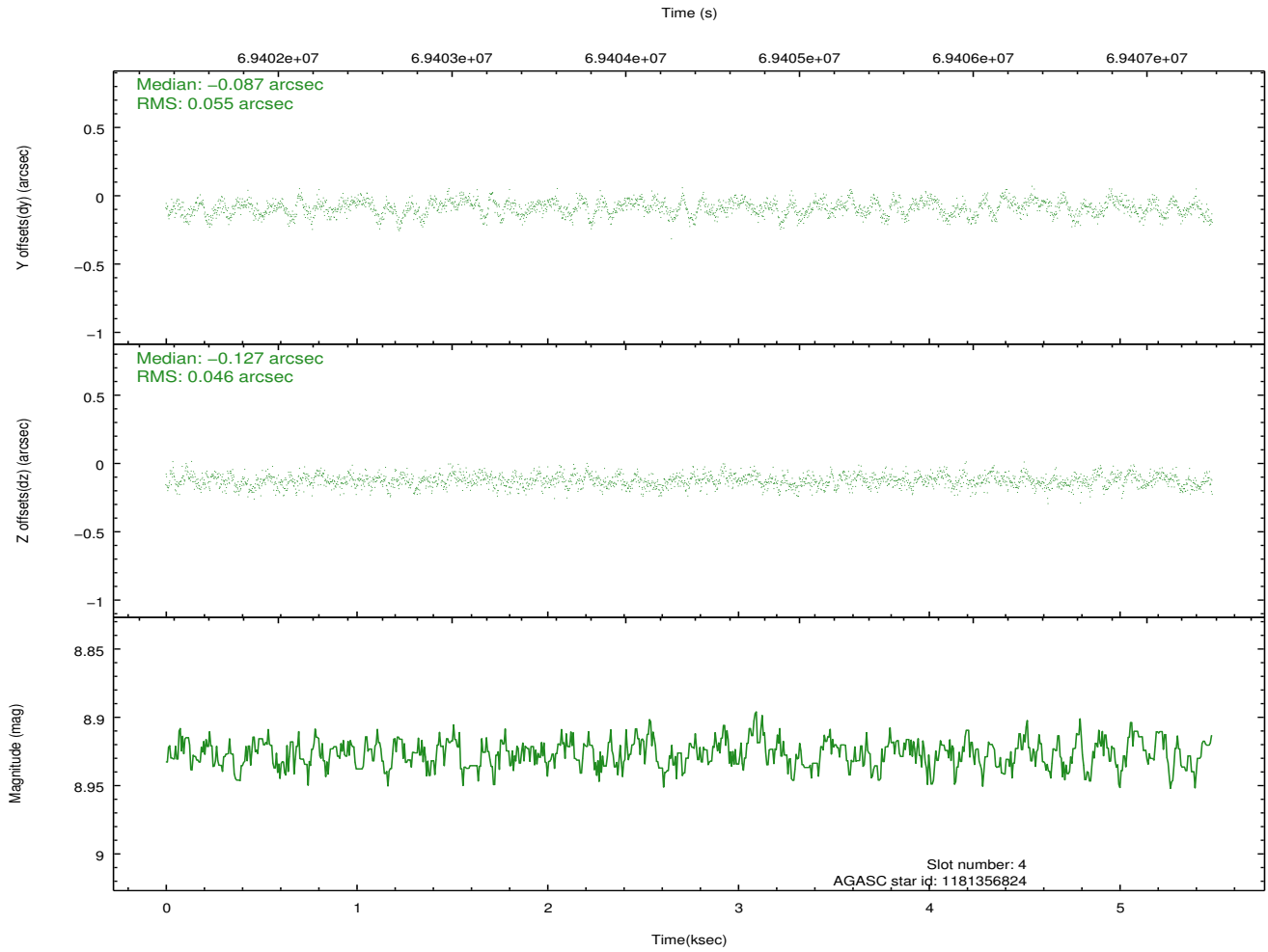
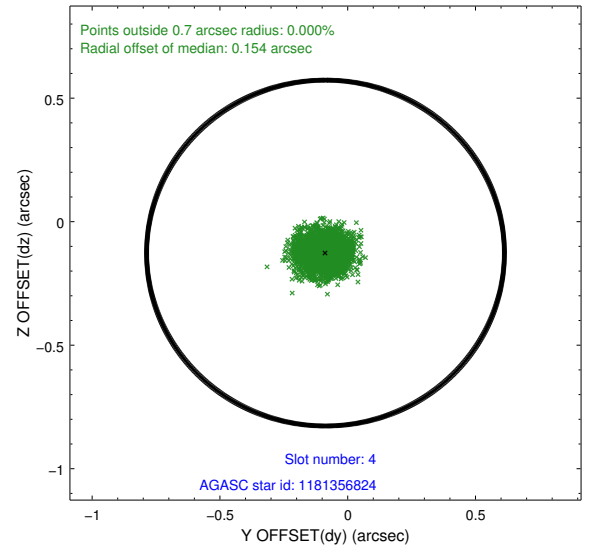
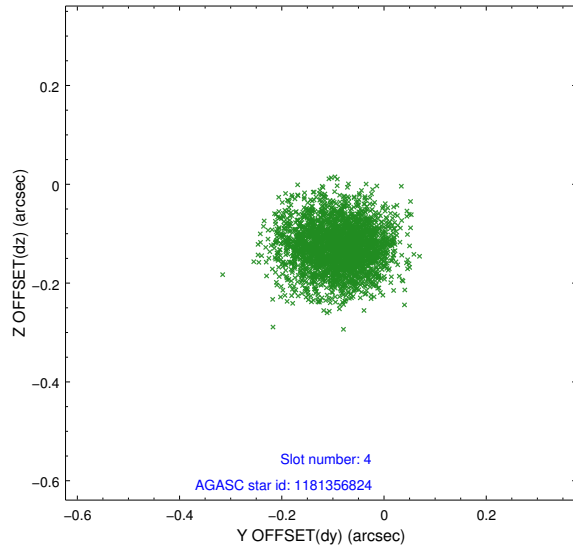
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1338	-0.020	-0.019	0.006	0.012	0.000000	0.000000	-753.37	-1725.56
1	FID	ACIS-S-4	7.21	1338	0.002	0.003	0.006	0.010	0.000000	0.000000	2159.46	181.78
2	FID	ACIS-S-6	7.35	1338	-0.010	0.023	0.007	0.012	0.000000	0.000000	410.07	820.46
3	GUIDE	1181354960	8.56	2676	0.094	-0.076	0.058	0.096	212.286192	-65.622482	-1756.79	251.70
4	GUIDE	1181356824	8.93	2677	-0.087	-0.127	0.077	0.124	213.100076	-64.682630	1368.01	2038.93
5	GUIDE	1181492072	9.21	2674	-0.031	0.180	0.072	0.116	214.479575	-65.592809	779.31	-1800.27
6	GUIDE	1181361000	9.57	2673	-0.094	-0.108	0.082	0.131	213.896701	-64.919162	1732.43	594.61
7	GUIDE	1181881344	9.77	2674	0.122	0.132	0.098	0.162	212.974029	-65.808699	-1410.69	-917.16

2.4 Star Slots

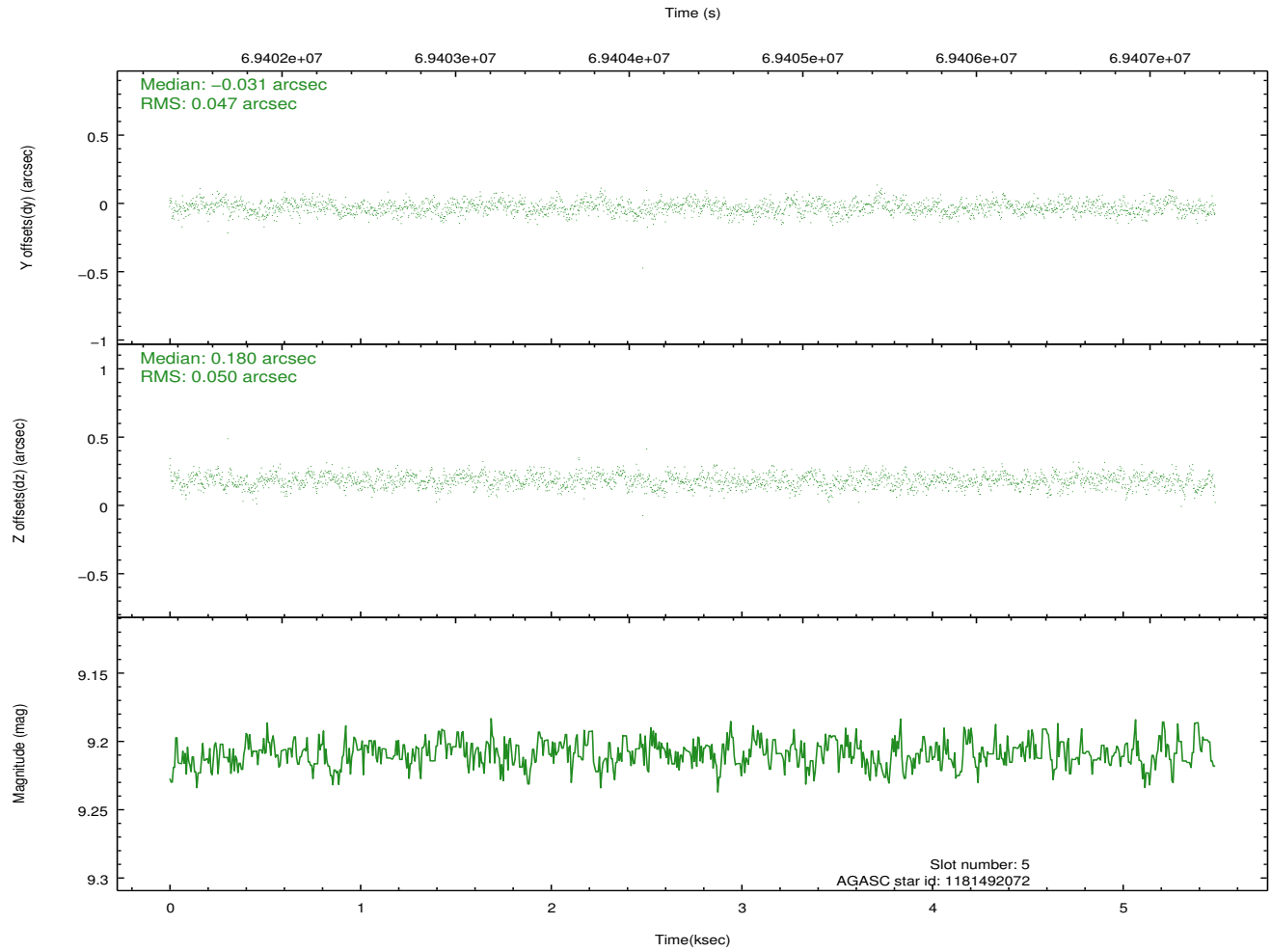
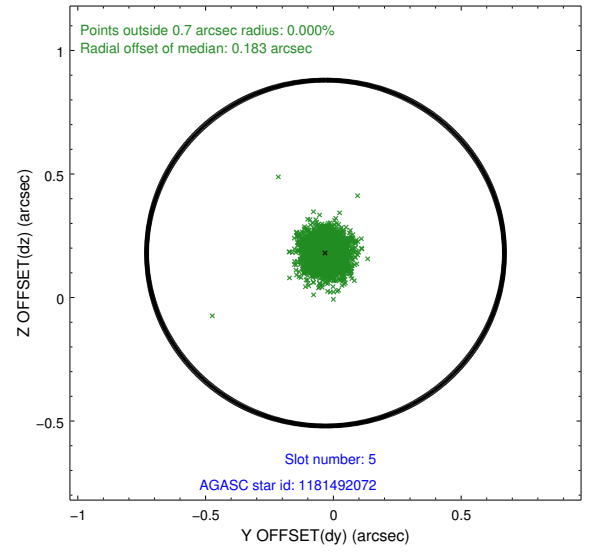
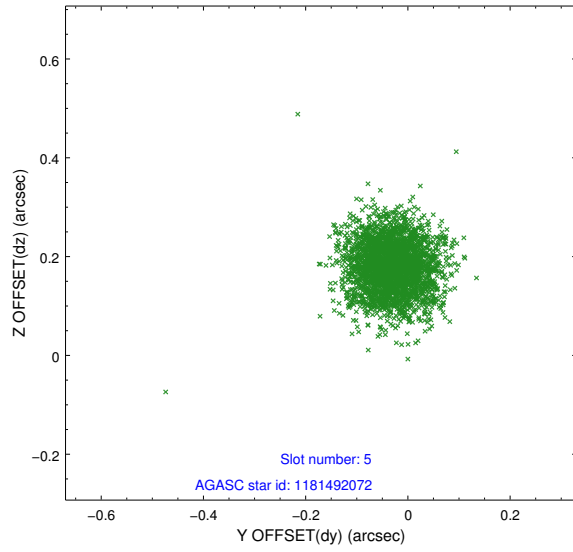
2.4.1 Slot 3



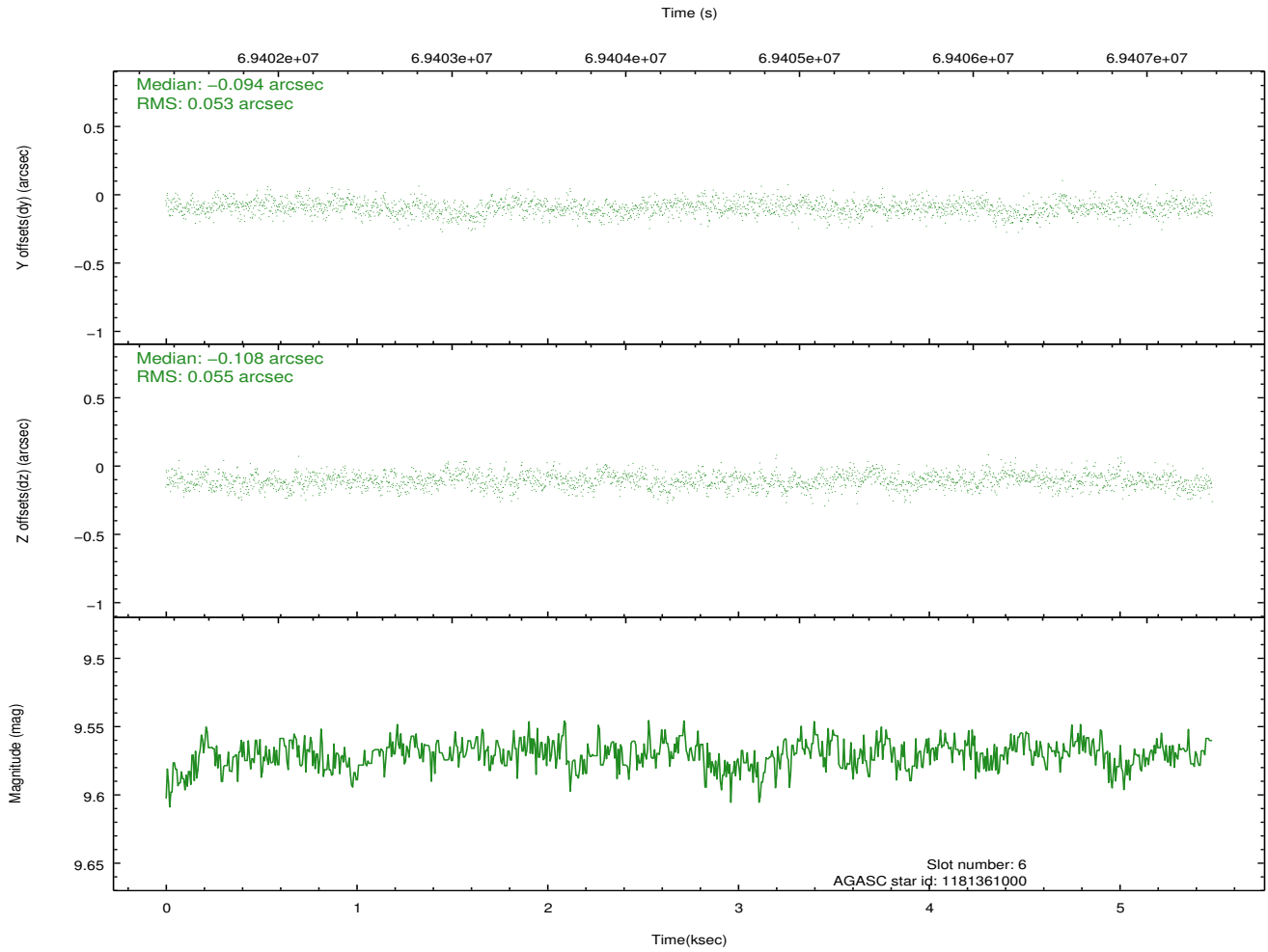
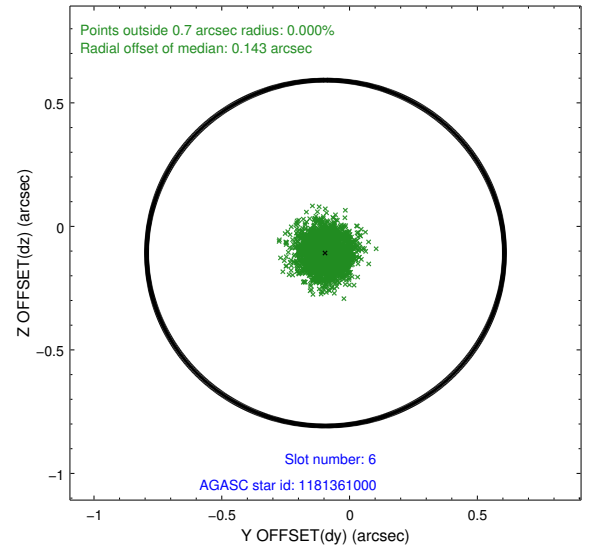
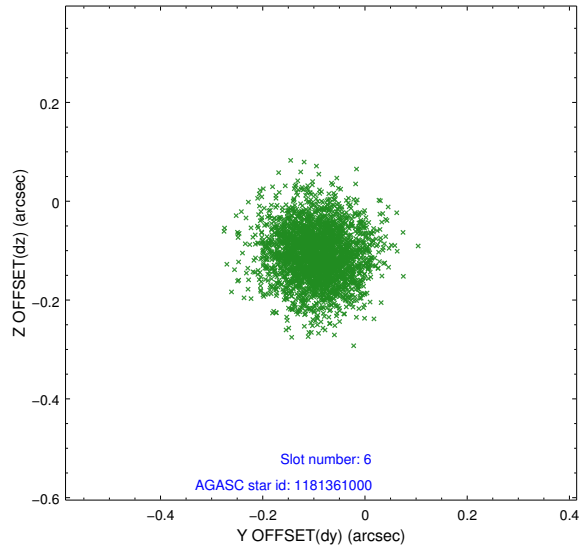
2.4.2 Slot 4



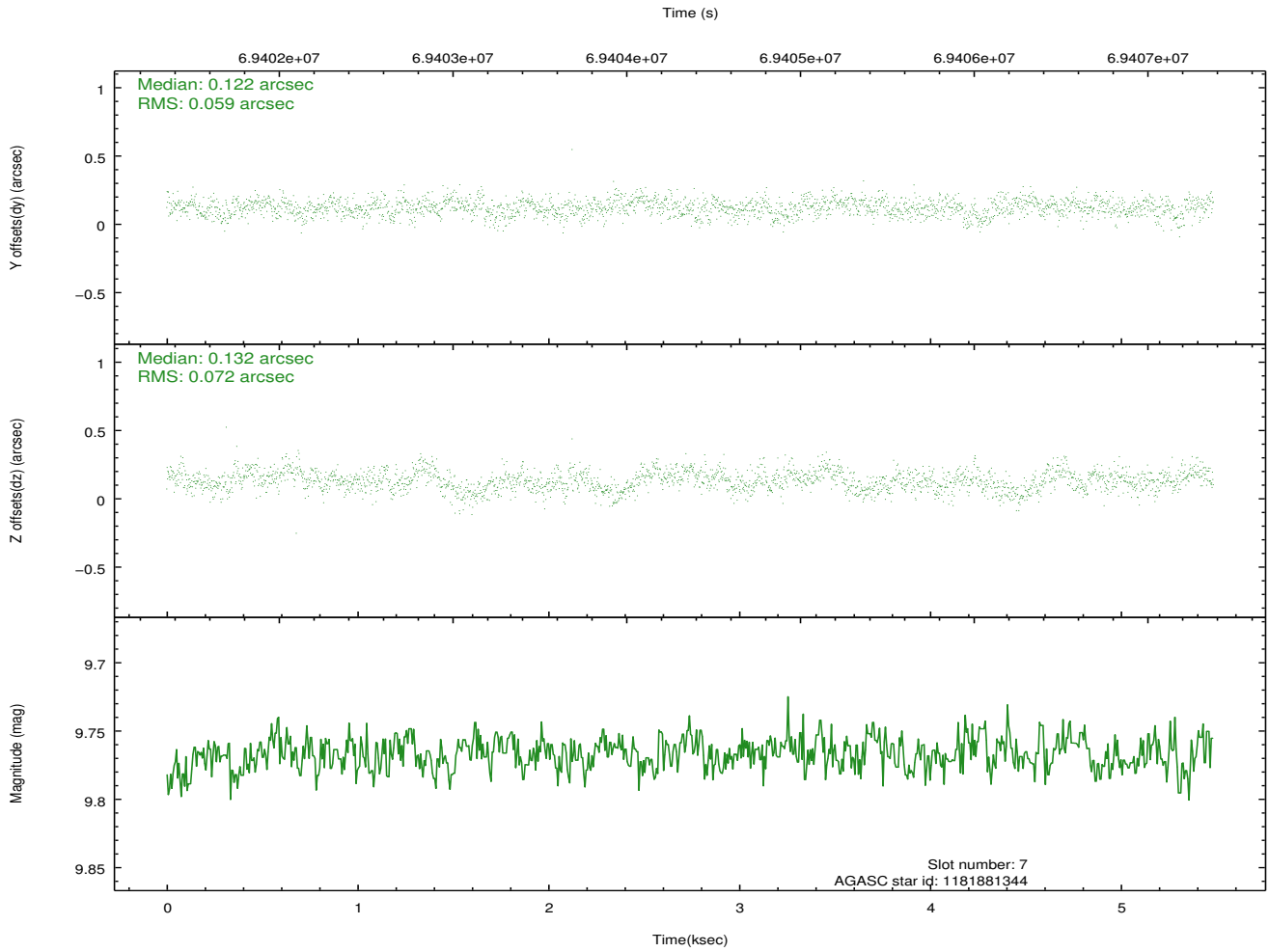
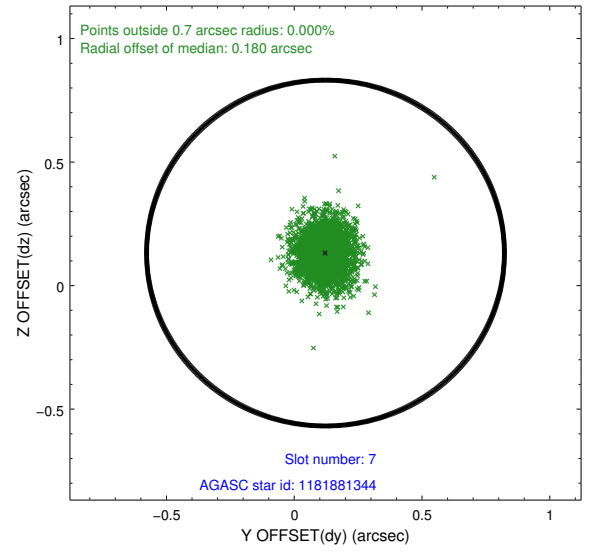
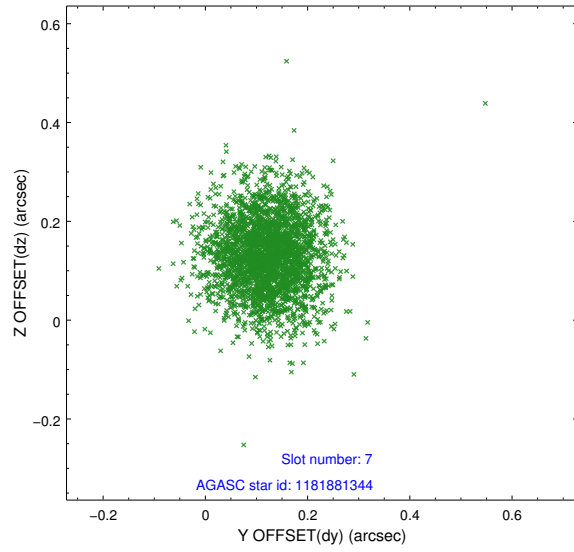
2.4.3 Slot 5



2.4.4 Slot 6

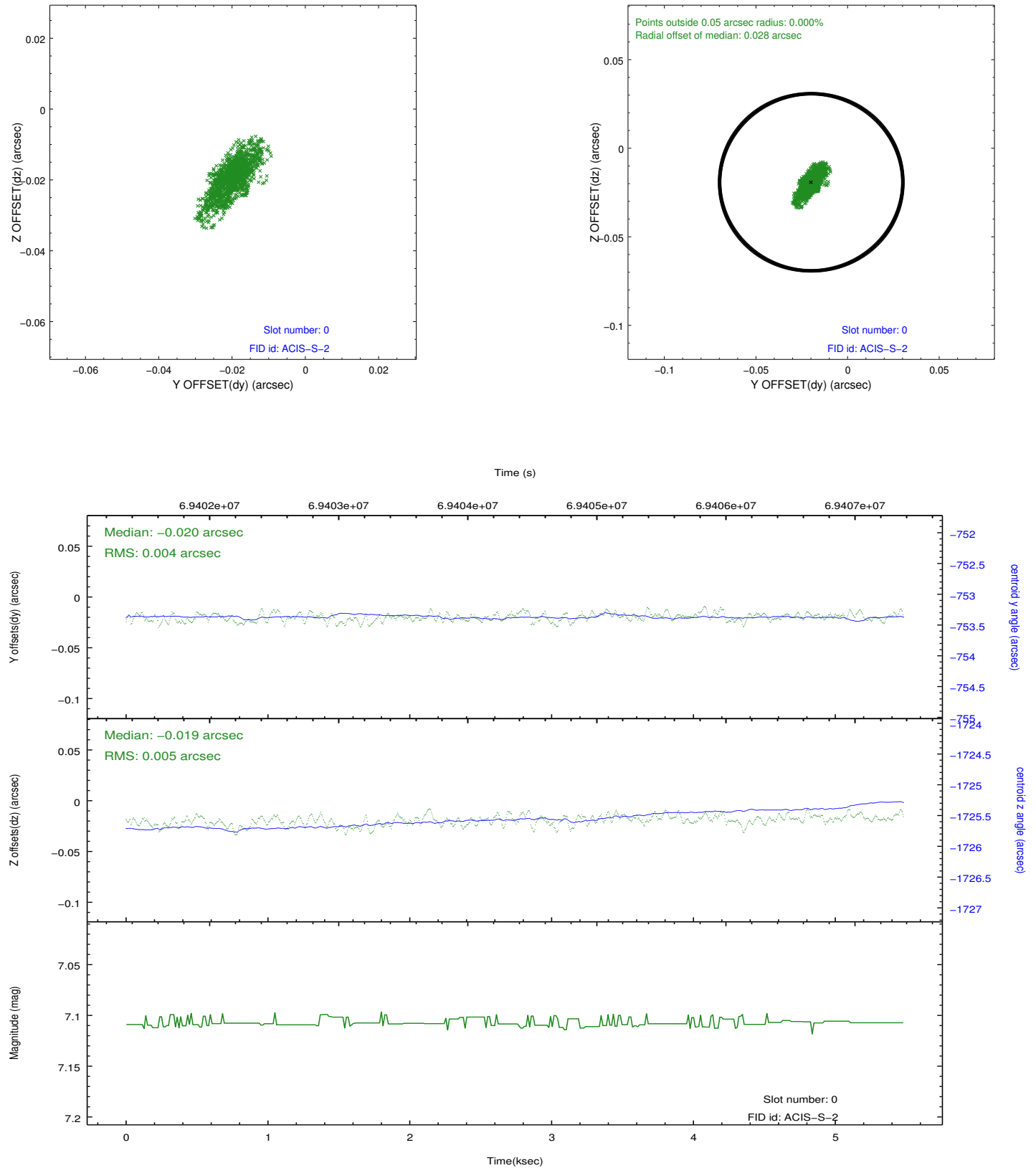


2.4.5 Slot 7

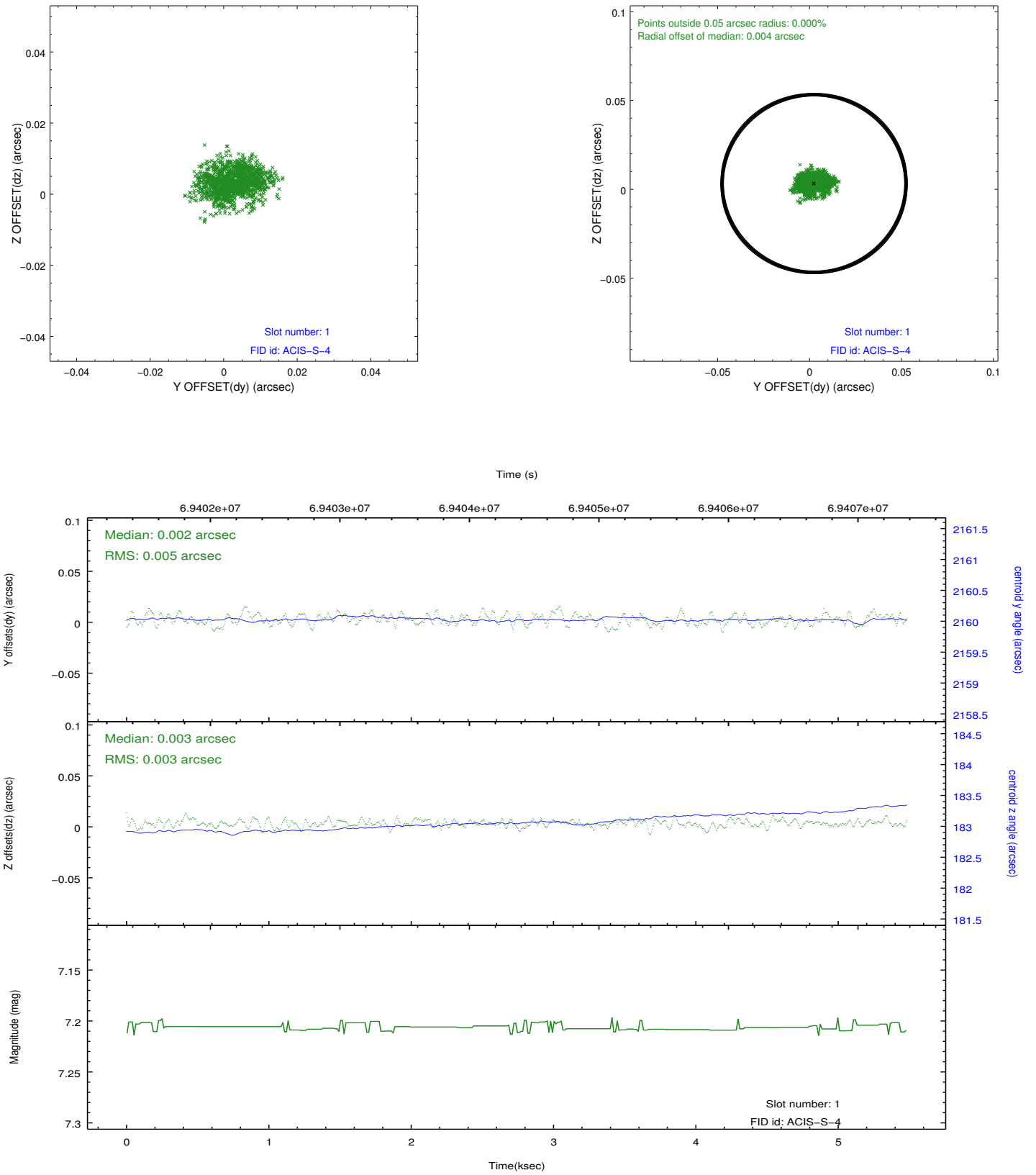


2.5 FID Slots

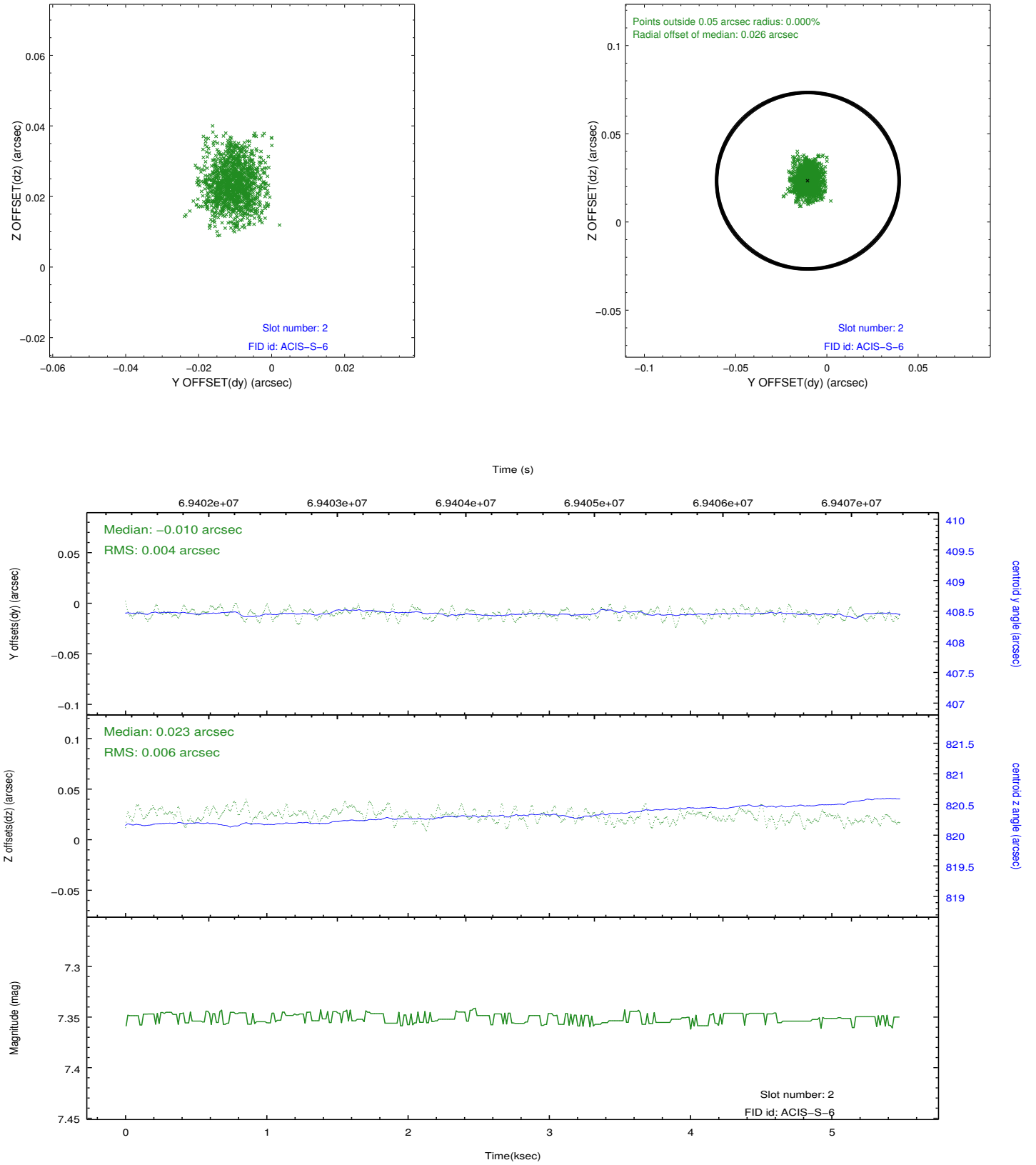
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.484

A.2 Comments

Roll constraint met.