Guidelines for creating dcd and dcf files in ADAMS/Car

This is an example. You might prefer to do it differently, and are welcome to do so. ADAMS seems to require a brake system on your vehicle for the simulation to work.

Prepare Driver Data File

1. Open the file *read_data_dcd.m* in Matlab.
2. Modify it according to the instructions in the file and run it.
3. Open the resulting dcd-file in Notepad and remove top three rows.
4. Put the resulting dcd-file in your *driver_data.tbl* directory.

Make the Driver Controls File

1. Open *sampled_steering.dcf*
2. Save the file with a new name in your *driver_controls.tbl* directory, preferably same name as the Driver Data File.
3. Change "FILE_NAME" (optional).
4. Change/add comments (optional).
5. Change "EXPERIMENT_NAME" (optional).
6. Change "INITIAL_SPEED".
7. Change "abort_time" to be lower than the last sample time in the Driver Data File
8. Under (STEERING), change the "FILE"-path to match your Driver Data File from above.
9. Save the file.

Simulate in ADAMS/Car

1. Start ADAMS/Car
2. In standard interface, choose *Simulate/Full-Vehicle Analysis/Driving Machine Control File (DCF) Driven*
3. Choose the Driver Control File you want to use in the simulation window that opens.
4. Specify the other parameters and simulate!