#!/bin/bash

Variable and path declaration

if [ parameter run ];
  then
  for (( i=1; i<=Np; i++ ))
  do
    Create and copy the simulation folder to the server (simulation.i)
    Compute the time from which restarting the simulation
    ssh server name << EOF
    sleep 15
    ssh submission: frame number for restart, name of the test case, job to submit
    exit
    EOF
  done
  for (( i=1; i<=Np; i++ ))
  do
    end_file=0
    while [ end_file -eq 0 ];
  do
    ssh server name find server path -iname end_file.txt | wc -l > end_file
    if [ end_file ];
      then
        continue
      else
        sleep 10
      fi
    done
  Copy the file with observation from server to CPU
  Remove the simulation folder on the cluster
else
  Create and copy the simulation folder to server
  ssh server name << EOF
  sleep 15
  ssh submission: frame number for restart, name of the test case, job to submit
  exit
  EOF
  end_file=0
  while [ end_file -eq 0 ];
  do
    ssh server name find server path -iname end_file.txt | wc -l > end_file
    if [ end_file ];
      then
        continue
      else
        sleep 10
      fi
    done
  Copy the file with observation from server to CPU
fi