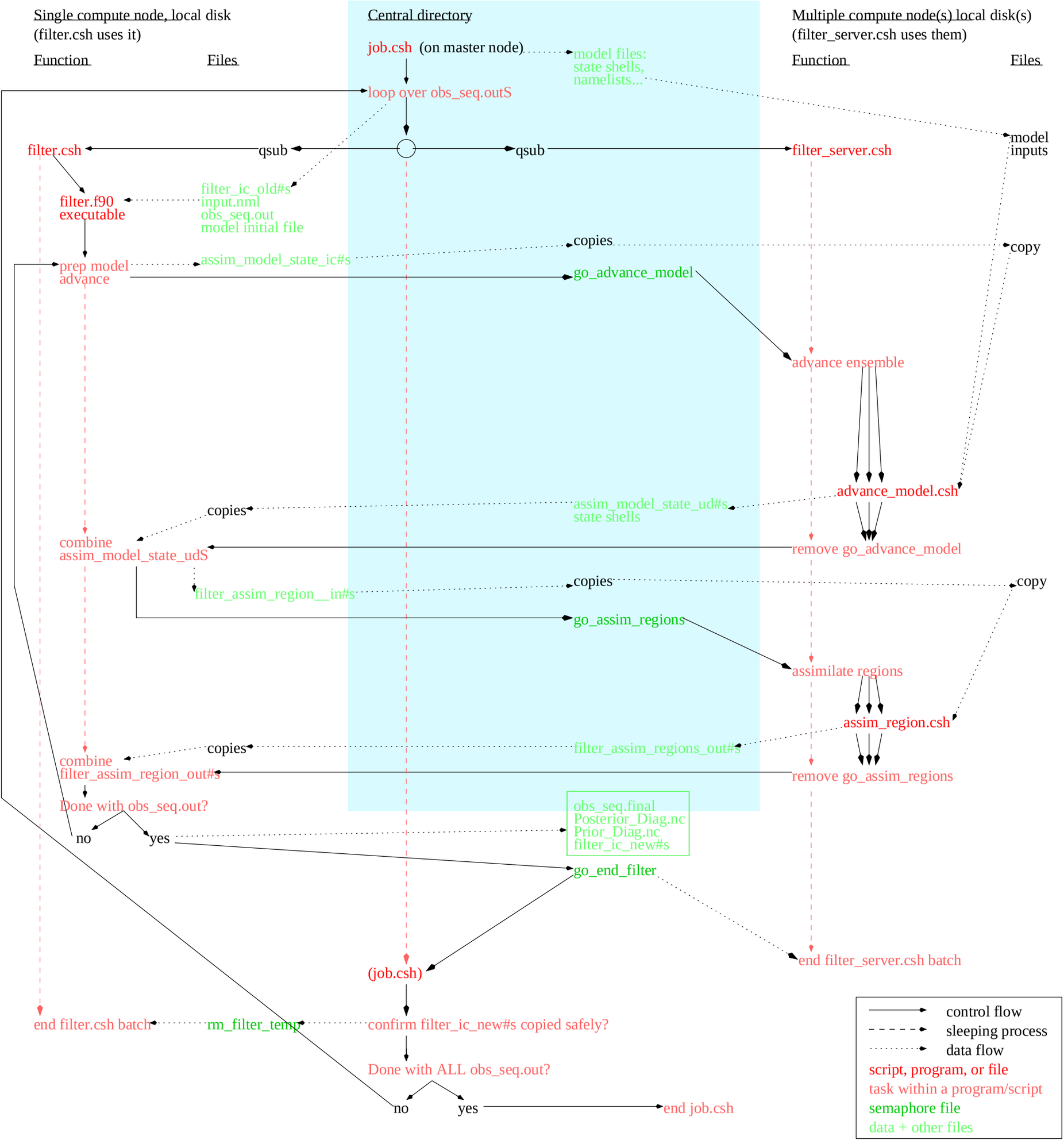
Single compute node, local disk
(filter.csh uses it)
Function
Files
Central directory
job.csh (on master node)
model files:
state shells,
namelists...
loop over obs_seq.outS
Multiple compute node(s) local disk(s)
(filter_server.csh uses them)
Function
Files
filter.csh
qsub
qsub
filter_server.csh
model
inputs
filter_ic_old#s
filter.f90
executable
input.nml
obs_seq.out
model initial file
copies
copy
prep model
advance
assim_model_state_ic#s
go_advance_model
advance ensemble
advance_model.csh
copies
assim_model_state_ud#s
state shells
combine
assim_model_state_udS
remove go_advance_model
copies
copy
filter_assim_region__in#s
go_assim_regions
assimilate regions
assim_region.csh
copies
filter_assim_regions_out#s
combine
filter_assim_region_out#s
remove go_assim_regions
Done with obs_seq.out?
no
yes
obs_seq.final
Posterior_Diag.nc
Prior_Diag.nc
filter_ic_new#s
go_end_filter
end filter_server.csh batch
(job.csh)
end filter.csh batch
rm_filter_temp
confirm filter_ic_new#s copied safely?
Done with ALL obs_seq.out?
no
yes
end job.csh
control flow
sleeping process
data flow
script, program, or file
task within a program/script
semaphore file
data + other files