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&time_control
run_days                = 0,
run_hours               = 0,
run_minutes             = 0,
run_seconds             = 0,
start_year              = 1991,1991,
start_month             = 01,01,
start_day               = 01,01,
start_hour              = 00,00,
start_minute            = 00,00,
start_second            = 00,00,
end_year                = 1991,1991,
end_month               = 02,02,
end_day                 = 01,01,
end_hour                = 00,00,
end_minute              = 00,00,
end_second              = 00,00,
interval_seconds        = 21600
input_from_file         = .true.,.true.,
history_interval        = 360, 360,
frames_per_outfile      = 1, 1,
restart                 = .false.,
restart_interval        = 11160,
write_hist_at_0h_rst   = .true.
override_restart_timers = .true.
io_form_history         = 2
io_form_restart         = 2
io_form_input           = 2
io_form_boundary        = 2
debug_level            = 0
auxinput4_inname        = "wrflowinp_d<domain>",
auxinput4_interval      = 360, 360,
io_form_auxinput4       = 2,
nocolons                = .false.
iofields_filename
="myoutfields1.txt","myoutfields2.txt",
io_form_auxhist7        = 2
auxhist7_interval       = 60,60,
frames_per_auxhist7     = 24, 24,
/

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&domains
time_step               = 50,
time_step_fract_num     = 0,
time_step_fract_den     = 1,
use_adaptive_time_step  = .false.,
step_to_output_time     = .true.,
target_cfl              =1.2,1.2,
max_step_increase_pct   =5,51,
starting_time_step      =50,10,
max_time_step           = 70,20,
min_time_step           =30,7,
max_dom                 = 2,
s_we                   = 1,      1,
e_we                   = 1731,1731,
s_sn                   = 1,      1,
e_sn                   = 907,1001,
s_vert                 = 1,      1,
e_vert                 = 51,     51,

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num_metgrid_levels      = 61,
dx                      = 20001.9442,4000.3885,
dy                      = 20001.9442,4000.3885,
grid_id                 = 1,      2,
parent_id               = 1,      1,
i_parent_start          = 1,      680,
j_parent_start          = 1,      635,
parent_grid_ratio       = 1,      5,
parent_time_step_ratio  = 1,      5,
feedback                = 0,
smooth_option           = 0,
nproc_x                 = 64,
nproc_y                 = 64,
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&physics
mp_physics              = 6,      6,
ra_lw_physics           = 3,      3,
ra_sw_physics           = 3,      3,
radt                    = 30,     30,
sf_sfclay_physics      = 1,      1,
sf_surface_physics     = 2,      2,
bl_pbl_physics         = 1,      1,
bldt                    = 0,      0,
cu_physics              = 1,      0,
cudt                    = 5,      0,
isfflx                  = 1,
ifsnow                  = 0,
icloud                  = 1,
surface_input_source   = 1,
num_soil_layers        = 4,
sf_urban_physics       = 0,
mp_zero_out             = 0,
maxiens                 = 1,
maxens                  = 3,
maxens2                 = 3,
maxens3                 = 16,
ensdim                  = 144,
cam_abs_freq_s         = 21600,
levsiz                  = 59,
paerlev                 = 29,
cam_abs_dim1           = 4,
cam_abs_dim2           = 51,
sst_update              = 1,
slope_rad               = 0,
topo_shading           = 0,
lagday                  = 140,
tmn_update              = 1,
sst_skin                = 1,
bucket_mm               = 100.0,
bucket_J                = 1.e9,
/

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&fdda
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&dynamics
w_damping               = 1,
rk_ord                  = 3,
diff_opt                = 1,

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km_opt                = 4,
diff_6th_opt         = 0,
diff_6th_factor      = 0.12,
base_temp            = 290.
damp_opt             = 1,
zdamp               = 5000., 5000., 5000.,
dampcoef            = 0.01, 0.01, 0.01,
khdif               = 0, 0, 0,
kvdif               = 0, 0, 0,
non_hydrostatic     = .true., .true., .true.,
moist_adv_opt       = 1,1,1,
scalar_adv_opt      = 1,1,1,
iso_temp            = 0,
/

&bdy_control
spec_bdy_width      = 10,
spec_zone           = 1,
relax_zone          = 9,
specified           = .true., .false.,.false.,
nested              = .false., .true., .true.,
spec_exp            = 0.33,
periodic_x          = .true., .false.,
/

&grib2
/

&namelist_quilt
nio_tasks_per_group = 0,
nio_groups = 1,
/

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