Supplement of

Near-global-scale high-resolution seasonal simulations with WRF-Noah-MP v.3.8.1

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&time_control
  run_days = 0,
  run_hours = 0,
  run_minutes = 0,
  run_seconds = 0,
  start_year = 2015,
  start_month = 05,
  start_day = 08,
  start_hour = 00,
  start_minute = 00,
  start_second = 00,
  end_year = 2015,
  end_month = 05,
  end_day = 09,
  end_hour = 18,
  end_minute = 00,
  end_second = 00,
  interval_seconds = 21600,
  input_from_file = .true.,
  history_interval = 360,
  frames_per_outfile = 1,
  restart = .true.,
  restart_interval = 360,
  io_form_history = 11,
  io_form_restart = 11,
  io_form_input = 11,
  io_form_boundary = 11,
  io_form_auxinput1 = 11,
  debug_level = 0,
  cycling = .false.,
  use_netcdf_classic = .true.,
  diag_print=2,
  auxhist23_outname='wrfpress_d<domain>_<date>'
  io_form_auxhist23 = 11,
  auxhist23_interval=360,
  frames_per_auxhist23 = 1,
  nocolons = .true.
  io_form_auxinput4 = 11
  auxinput4_inname = "wrfflowinp_d<domain>"
  auxinput4_interval = 360
  iofields_filename = "additional_fields_2d.txt"
  ignore_iofields_warning = .false.
  auxhist7_outname='surface_d<domain>_<date>'
  io_form_auxhist7 = 11
  auxhist7_interval = 30,
  frames_per_auxhist7 = 1
  override_restart_timers=.true.
/

&diags
  p_lev_diags = 1
  num_press_levels = 10
  press_levels = 100000, 92500, 85000, 70000,
  60000, 50000, 40000, 30000, 20000, 10000
  use_tot_or_hyd_p = 2
&domains
  time_step = 10,
  time_step_fract_num = 0,
  time_step_fract_den = 1,
  max_dom = 1,
  e_we = 12000,
  e_sn = 4060,
  num_metgrid_levels = 138,
  p_top_requested = 1000.
  eta_levels =
    1.000, 0.997, 0.993, 0.989, 0.983, 0.972, 0.962, 0.952, 0.942, 0.932, 0.917, 0.903, 0.889, 0.875, 0.852, 0.826, 0.799, 0.771, 0.748, 0.725, 0.7, 0.678, 0.653, 0.628, 0.59, 0.557, 0.515, 0.480, 0.445, 0.410, 0.375, 0.340, 0.305, 0.280, 0.25, 0.219, 0.191, 0.174, 0.157, 0.142, 0.128, 0.114, 0.102, 0.091, 0.080, 0.070, 0.061, 0.052, 0.044, 0.037, 0.030, 0.024, 0.018, 0.013, 0.008, 0.003, 0.000,
  e_vert = 57,
  dx = 3335.324, 3335.324
  dy = 3335.324, 3335.324
  grid_id = 1,
  parent_id = 1,
  i_parent_start = 1,
  j_parent_start = 1,
  parent_grid_ratio = 1,
  parent_time_step_ratio = 1,
  feedback = 0,
  smooth_option = 0,
  use_surface = .false.,
  use_adaptive_time_step = .false.
  adaptive_time_stepping, ARW only
  step_to_output_time = .true.
  target_cfl = 1.2,
  max_step_increase_pct = 10,
  starting_time_step = 10,
  max_time_step = 14,
  min_time_step = -1,
/

&physics
  sst_update = 1,
  mpPhysics = 8,
  ra_lw_physics = 4,
  ra_sw_physics = 4,
  radt = 3,
  sf_sfclay_physics = 1, 1,
  sf_surface_physics = 4, 4,
  bl_pbl_physics = 1,
  YSU_TOPDOWN_PBLMIX = 1,
  bldt = 0,
  topo_wind = 2,
  cu_physics = 0,
  cudt = 5,
  isfflx = 1,
diff_opt = 2,
km_opt = 4,
diff_6th_opt = 2,
diff_6th_factor = 0.12,
base_temp = 290.
damp_opt = 3,
zdamp = 5000.,
dampcoef = 0.2,
khdif = 0,
kvdif = 0,
non_hydrostatic = .true.,
moist_adv_opt = 1,
scalar_adv_opt = 1,
use_input_w = .true.
epssm = 0.8
base_lapse_strat = -11.
/

&bdy_control
spec_bdy_width = 5,
spec_zone = 1,
relax_zone = 4,
!spec_exp = 0.33
specified = .true.,
nested = .false.,
periodic_x = .true.
/