

```

&time_control
run_days           = 0,
run_hours          = 9,
run_minutes        = 0,
run_seconds        = 0,
start_year         = 2020, 2020, 2020,
start_month        = 09, 09, 09,
start_day          = 09, 09, 09,
start_hour         = 03, 03, 03,
start_minute       = 00, 00, 00,
start_second       = 00, 00, 00,
end_year           = 2020, 2020, 2020,
end_month          = 09, 09, 09,
end_day            = 09, 09, 09,
end_hour           = 04, 04, 04,
end_minute         = 00, 00, 00,
end_second         = 00, 00, 00,
interval_seconds   = 3600
input_from_file    = .true.,.true.,.true.,
history_interval   = 999, 999, 15,
frames_per_outfile = 1, 1, 1,
restart            = .true.,
restart_interval   = 240,
override_restart_timers = .true.
io_form_history    = 2
io_form_restart    = 2
io_form_input      = 2
io_form_boundary   = 2
io_form_auxinput1  = 2
io_form_auxhist2   = 2
debug_level        = 0
/

&domains
time_step          = 1,
time_step_fract_num = 0,
time_step_fract_den = 10,
max_dom            = 3,
s_we               = 1, 1, 1,
e_we               = 360, 571, 508,
s_sn               = 1, 1, 1,
e_sn               = 360, 451, 481,
s_vert             = 1, 1, 1,
e_vert            = 46, 46, 46,
eta_levels =
0.99216,          1.00000, 0.99908, 0.99608,
0.97505,          0.98817, 0.98405, 0.97971,
0.95140,          0.96997, 0.96439, 0.95823,

```

```

0.91584,
0.86275,
0.78541,
0.67689,
0.53330,
0.35989,
0.18069,
0.04387,
p_top_requested      = 5000,
num_metgrid_levels   = 41,
num_metgrid_soil_levels = 9,
dx                   = 1000, 333, 111,
dy                   = 1000, 333, 111,
grid_id              = 1, 2, 3,
parent_id            = 1, 1, 2,
i_parent_start       = 1, 80, 220,
j_parent_start       = 1, 100, 150,
parent_grid_ratio     = 1, 3, 3,
parent_time_step_ratio = 1, 3, 3,
feedback             = 0,
smooth_option        = 0,
sr_x                 = 1, 1, 4,
sr_y                 = 1, 1, 4,
sfcp_to_sfcp         = .true.,
dzbot                = 10.0,
/

&physics
mp_physics            = 6, 6, 6,
ra_lw_physics        = 4, 4, 4,
ra_sw_physics        = 1, 1, 1,
radt                 = 10, 1, 1,
sf_sfclay_physics    = 1, 1, 1,
sf_surface_physics   = 2, 2, 2,
bl_pbl_physics       = 5, 5, 0,
bl_mynn_tkeadvect     = .true., .false., .false.,
bldt                 = 0, 0, 0,
cu_physics           = 0, 0, 0,
cudt                 = 0, 0, 0,
isfflx               = 1,
ifsnow               = 1,
0.94383, 0.93543, 0.92613,
0.90445, 0.89188, 0.87802,
0.84598, 0.82757, 0.80742,
0.76144, 0.73542, 0.70726,
0.64429, 0.60946, 0.57243,
0.49222, 0.44941, 0.40517,
0.31408, 0.26840, 0.22363,
0.14056, 0.10407, 0.07178,
0.02011, 0.00000,

```

```

icloud = 1,
num_soil_layers = 4,
sf_urban_physics = 0,
maxiens = 1,
maxens = 3,
maxens2 = 3,
maxens3 = 16,
ensdim = 144,
num_land_cat = 40,
/

&dynamics
m_opt = 1,
w_damping = 1,
diff_opt = 2, 2, 2,
km_opt = 4, 2, 2,
diff_6th_opt = 2, 2, 2,
diff_6th_factor = 0.25, 0.25, 0.25,
h_mom_adv_order = 5, 3, 3
h_sca_adv_order = 5, 3, 3
damp_opt = 3,
zdamp = 2000., 2000., 2000.,
dampcoef = 0.2, 0.2, 0.2,
EPSSM = 0.5, 0.8, 0.8,
non_hydrostatic = .true., .true., .true.,
moist_adv_opt = 1, 1, 1,
scalar_adv_opt = 1, 1, 1,
tracer_opt = 3, 3, 3,
/

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

&grib2
/

&namelist_quilt
/

&fire
ifire = 0, 0, 2,
fire_fuel_read = -1, -1, -1,
fire_fmc_read = 1, 1, 1,
fire_num_ignitions = 0, 0, 0,
fire_ignition_ros1 = 1.0, 1.0, 1.0,

```

```
fire_ignition_start_lat1 = 39.85372, 39.85372, 39.85372,
fire_ignition_start_lon1 = -120.95329, -120.95329, -120.95329,
fire_ignition_end_lat1 = 39.85444, 39.85444, 39.85444,
fire_ignition_end_lon1 = -120.93518, -120.93518, -120.93518,
fire_ignition_radius1 = 100, 100, 100,
fire_ignition_start_time1 = 10200, 1800, 1800,
fire_ignition_end_time1 = 10500, 2100, 2100,
fire_print_msg = 0, 0, 0,
fire_print_file = 0, 0, 0,
fire_upwinding = 9, 9, 9,
fire_lsm_reinit = .true., .true., .true.,
fire_lsm_reinit_iter = 1, 1, 1,
fire_upwinding_reinit = 4, 4, 4,
fire_lsm_zcoupling = .true., .true., .true.,
fire_lsm_zcoupling_ref = 60.0, 60.0, 60.0,
fire_is_real_perim = .false., .false., .true.,
fire_wind_height = 6.5, 6.5, 6.5,

fire_sfc_flx = 0, 0, 0,
fire_update_tsk = .true., .true., .true.,
fire_grnhfx_thresh = 1, 1, 1,
fire_perimeter_time = 999999, 999999, 0,
/
```