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&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
/

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&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,
0.97505,
0.95140,
1.00000, 0.99908, 0.99608,
0.98817, 0.98405, 0.97971,
0.96997, 0.96439, 0.95823,

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0.91584,	0.94383, 0.93543, 0.92613,
0.86275,	0.90445, 0.89188, 0.87802,
0.78541,	0.84598, 0.82757, 0.80742,
0.67689,	0.76144, 0.73542, 0.70726,
0.53330,	0.64429, 0.60946, 0.57243,
0.35989,	0.49222, 0.44941, 0.40517,
0.18069,	0.31408, 0.26840, 0.22363,
0.04387,	0.14056, 0.10407, 0.07178,
	0.02011, 0.00000,
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,

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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,

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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,
/

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