```
&time_control
run_days                             = 31,
run_hours                            = 00,
run_minutes                          = 0,
run_seconds                          = 0,
start_year                           = 2006, 2006, 2006,
start_month                          = 01,   01,   01,
start_day                            = 01,   01,   01,
start_hour                           = 00,   00,   00,
start_minute                         = 00,   00,   00,
start_second                         = 00,   00,   00,
end_year                             = 2006, 2006, 2006,
end_month                            = 02,   02,   02,
end_day                              = 01,   01,   01,
end_hour                             = 00,   00,   00,
end_minute                           = 00,   00,   00,
end_second                           = 00,   00,   00,
interval_seconds                     = 21600
input_from_file                      = .true.,.true.,.true.,
history_interval                     = 60, 60,   60,
frames_per_outfile                   = 1000, 1000, 1000,
restart                              = .false.,
restart_interval                     = 1440,
io_form_history                      = 2
io_form_restart                      = 2
io_form_input                        = 2
io_form_boundary                     = 2
debug_level                          = 0
/

&domains
time_step                            = 270,
time_step_fract_num                  = 0,
time_step_fract_den                  = 1,
max_dom                              = 3,
e_we                                 = 157,    235,    370,
e_sn                                 = 157,    235,    370,
e_vert                               = 35,    35,    35,
p_top_requested                      = 5000,
num_metgrid_levels                   = 27,
num_metgrid_soil_levels              = 4,
dx                                   = 90000, 30000,  10000,
dy                                   = 90000, 30000,  10000,
grid_id                              = 1,     2,     3,
parent_id                            = 0,     1,     2,
i_parent_start                       = 1,     39,    70,
j_parent_start                       = 1,     39,    58,
parent_grid_ratio                    = 1,     3,     3,
parent_time_step_ratio               = 1,     3,     3,
feedback                             = 1,
smooth_option                        = 1
/

&physics
```

```
mp_physics                          = 6,       6,       6,
ra_lw_physics                       = 1,       1,       1,
ra_sw_physics                       = 1,       1,       1,
radt                                = 30,      30,      30,
sf_sfclay_physics                   = 1,       1,       1,
sf_surface_physics                  = 4,       4,       4,
bl_pbl_physics                      = 1,       1,       1,
bldt                                = 0,       0,       0,
cu_physics                          = 1,       1,       1,
cudt                                = 5,       5,       5,
isfflx                              = 1,
ifsnow                              = 1,
icloud                              = 1,
surface_input_source                = 1,
num_soil_layers                     = 4,
num_land_cat                        = 20,
sf_urban_physics                    = 0,       0,       0,
/

&fdda
/

&dynamics
w_damping                           = 0,
diff_opt                            = 1,       1,       1,
km_opt                              = 4,       4,       4,
diff_6th_opt                        = 0,       0,       0,
diff_6th_factor                     = 0.12,    0.12,    0.12,
base_temp                           = 290.
damp_opt                            = 0,
zdamp                               = 5000.,   5000.,   5000.,
dampcoef                            = 0.2,     0.2,     0.2
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,
/

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

&grib2
/

&namelist_quilt
nio_tasks_per_group = 0,
nio_groups = 1,
/
```