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&datein
  inp%bcc      = 20,
  inp%byy      = 18,
  inp%bmm      = 09,
  inp%bdd      = 12,
  inp%bhh      = 00,
  inp%model    = 17,
  inp%lt_units = "hours",
  inp%file_seq = "onebig",
  inp%modtyp   = "regional", ! "global", "regional"
  inp%nesttyp  = "fixed",
/

&atcfinfo
  atcfnum      = 81,          ! Obsolete
  atcfname     = "WRF",
  atcfymdh     = 2018091200,
  atcffreq     = 100,        ! (Output interval in hours) * 100
/

&trackerinfo
  trkrinfo%type           = "tracker", ! "tracker", "tcgen" ,
  "midlat"
  !--For tropical cyclogenesis("tcgen" or "midlat")
  ! trkrinfo%westbd       = 110.0,
  ! trkrinfo%eastbd      = 139.0,
  ! trkrinfo%southbd     = 11.0,
  ! trkrinfo%northbd     = 29.0,

  trkrinfo%mslpthresh    = 0.0015, ! Default: 0.0015
  trkrinfo%use_backup_mslp_grad_check = "y",
  trkrinfo%v850thresh    = 1.5,    ! Default: 1.5
  trkrinfo%use_backup_850_vt_check = "y",
  trkrinfo%gridtype      = "regional", ! "global",
  "regional"
  trkrinfo%enable_timing = 1,
  trkrinfo%contint       = 100.0,
  trkrinfo%want_oci      = F,
  trkrinfo%out_vit       = "y",
  trkrinfo%use_land_mask = "y",
  trkrinfo%inp_data_type = "netcdf",
  !trkrinfo%gribver      = 1,        ! For grib only
  !trkrinfo%g2_jpdtm     = 0,        ! For grib only
  !trkrinfo%g2_mslp_parm_id = 192,   ! For grib only
  !trkrinfo%g1_mslp_parm_id = 2,     ! For grib only
  !trkrinfo%g1_sfcwind_lev_typ = 105, ! For grib only
  !trkrinfo%g1_sfcwind_lev_val = 10,  ! For grib only
/

&phaseinfo ! Thermal diagnostics
  phaseflag = "n",
  phasescheme = "both", ! "vtt", "cps", "both"
  wcore_depth = 1.0,
/

&structinfo
  structflag = "n",
  ikeflag = "n",
/

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&fnameinfo
  gmodname   = "hwrp",          ! if inp%file_seq = "multi"
  rundescr   = "25x25",        ! if inp%file_seq = "multi"
  atcdfdescr = "AL142016",     ! if inp%file_seq = "multi"
/

&waitinfo
  use_waitfor      = "n",      ! "y" only for operational HWRP job
  !wait_min_age    = ,
  !wait_min_size   = ,
  !wait_max_wait   = ,
  !wait_sleeptime  = ,
  !use_per_fcst_command = ,
  !per_fcst_command = ,
/

&netcdflist
  netcdfinfo%num_netcdf_vars      = 999,
  netcdfinfo%netcdf_filename      = "input_data.nc",
  netcdfinfo%lat_name             = "lat",
  netcdfinfo%lmaskname            = "X",
  netcdfinfo%lon_name             = "lon",
  netcdfinfo%mslpname             = "slp",
  netcdfinfo%rv700name            = "ABS_VORTICITY_700",
  netcdfinfo%rv850name            = "ABS_VORTICITY_850",
  netcdfinfo%time_name            = "time",
  netcdfinfo%time_units           = "hours",
  netcdfinfo%tmean_300_500_name   = "X",
  netcdfinfo%u500name             = "U_500",
  netcdfinfo%u700name             = "U_700",
  netcdfinfo%u850name             = "U_850",
  netcdfinfo%usfcname             = "u_10m_gr",
  netcdfinfo%v500name             = "V_500",
  netcdfinfo%v700name             = "V_700",
  netcdfinfo%v850name             = "V_850",
  netcdfinfo%vsfcname            = "v_10m_gr",
  netcdfinfo%z200name            = "Z_200",
  netcdfinfo%z300name            = "X",
  netcdfinfo%z350name            = "X",
  netcdfinfo%z400name            = "X",
  netcdfinfo%z450name            = "X",
  netcdfinfo%z500name            = "Z_500",
  netcdfinfo%z550name            = "X",
  netcdfinfo%z600name            = "X",
  netcdfinfo%z650name            = "X",
  netcdfinfo%z700name            = "Z_700",
  netcdfinfo%z750name            = "X",
  netcdfinfo%z800name            = "X",
  netcdfinfo%z850name            = "Z_850",
  netcdfinfo%z900name            = "X",
/

&parmpreflist
  user_wants_to_track_mslp        = "y",
  user_wants_to_track_zetasfc     = "y",
  user_wants_to_track_zeta700     = "y",
  user_wants_to_track_zeta850     = "y",
  user_wants_to_track_wcircsfc    = "y",
  user_wants_to_track_wcirc700    = "y",
  user_wants_to_track_wcirc850    = "y",

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user_wants_to_track_gph700      = "y",
user_wants_to_track_gph850      = "y",
user_wants_to_track_thick500850 = "y",
user_wants_to_track_thick200500 = "y",
user_wants_to_track_thick200850 = "y",
/

&verbose
  verb      = 3,
  verb_g2   = 0,
/
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