

config_fdda_scheme * Four-dimensional data assimilation (FDDA) scheme:
“none” = FDDA not applied (default value)
“analysis” = analysis nudging with constant nudging strength
“scaled” = analysis nudging with scale-dependent nudging strength
Applied value: “analysis”

config_fdda_t * Potential temperature nudging indicator:
.true. = apply nudging to potential temperature
.false. = do not apply nudging to potential temperature (default value)
Applied value: .true.

config_fdda_q * Water vapor mixing ratio nudging indicator:
.true. = apply nudging to water vapor mixing ratio
.false. = do not apply nudging to water vapor mixing ratio (default value)
Applied value: .true.

config_fdda_uv * Wind nudging indicator:
.true. = apply nudging to wind
.false. = do not apply nudging to wind (default value)
Applied value: .true.

config_fdda_t_coef Nudging coefficient for potential temperature (s^{-1}), default value = 3.0×10^{-4} .
Applied value: 3.0×10^{-4}

config_fdda_q_coef Nudging coefficient for water vapor mixing ratio (s^{-1}), default value = 3.0×10^{-4} .
Applied value: 3.0×10^{-5} (base case), 3.0×10^{-4} (sensitivity test)

config_fdda_uv_coef Nudging coefficient for wind (s^{-1}), default value = 3.0×10^{-4} .
Applied value: 3.0×10^{-4}

config_fdda_t_in_pbl * If config_fdda_t = .true., nudge potential temperature in PBL?
.true. = yes (default value)
.false. = no
Applied value: .false.

config_fdda_q_in_pbl * If config_fdda_q = .true., nudge water vapor mixing ratio in PBL?
.true. = yes (default value)
.false. = no
Applied value: .false.

config_fdda_uv_in_pbl * If config_fdda_uv = .true., nudge wind in PBL?
.true. = yes (default value)
.false. = no
Applied value: .false.

config_fdda_t_min_layer * If config_fdda_t = .true., lowest layer to nudge potential temperature,
Default value = 0.
Applied value: 0

config_fdda_q_min_layer * If config_fdda_q = .true., lowest layer to nudge water vapor mixing ratio,
Default value = 0.
Applied value: 0

config_fdda_uv_min_layer * If config_fdda_uv = .true., lowest layer to nudge wind,
Default value = 0.
Applied value: 0