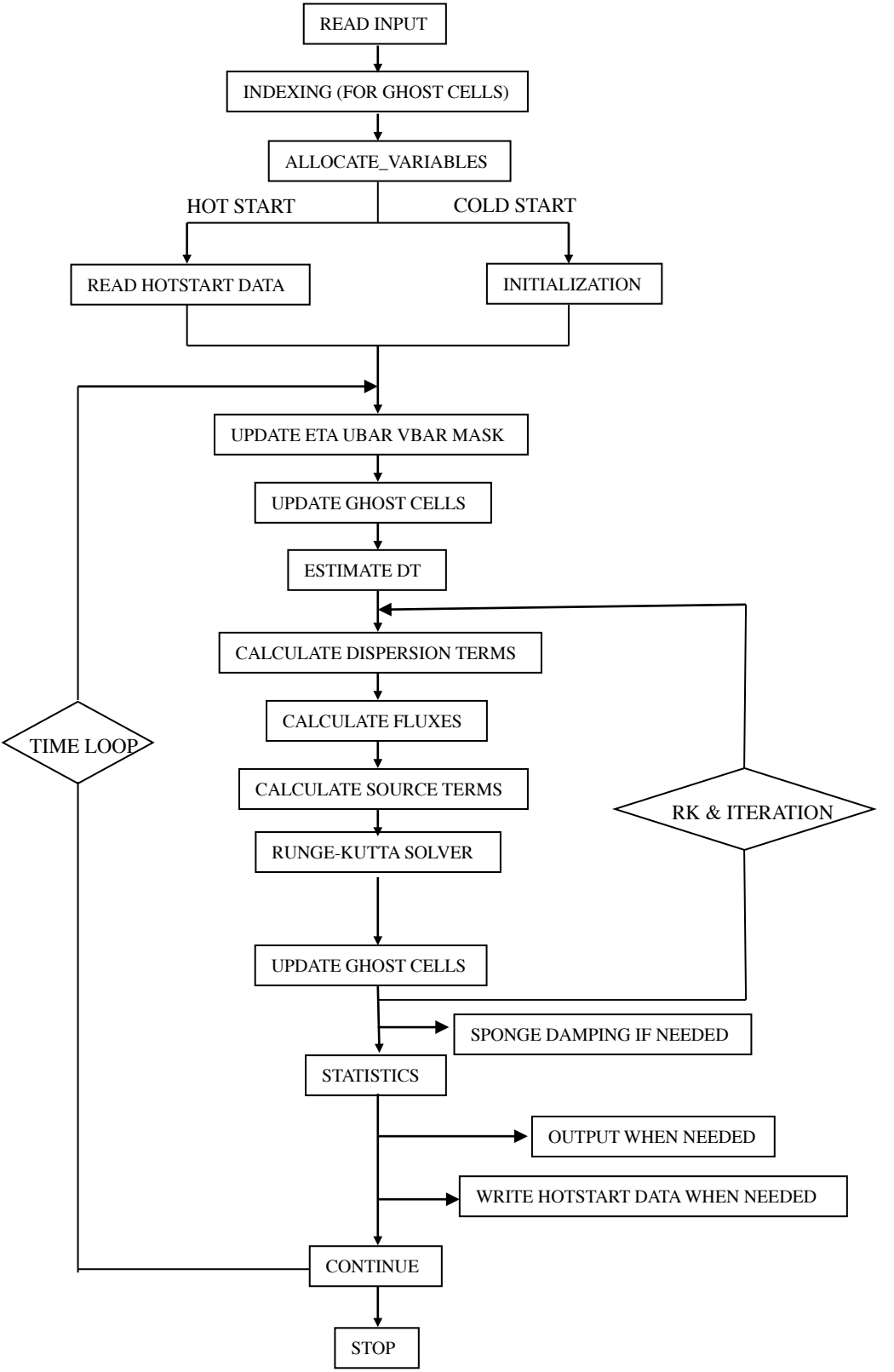
READ INPUT
INDEXING (FOR GHOST CELLS)
ALLOCATE_VARIABLES
HOT START
COLD START
READ HOTSTART DATA
INITIALIZATION
UPDATE ETA UBAR VBAR MASK
UPDATE GHOST CELLS
ESTIMATE DT
CALCULATE DISPERSION TERMS
CALCULATE FLUXES
TIME LOOP
CALCULATE SOURCE TERMS
RK & ITERATION
RUNGE-KUTTA SOLVER
UPDATE GHOST CELLS
SPONGE DAMPING IF NEEDED
STATISTICS
OUTPUT WHEN NEEDED
WRITE HOTSTART DATA WHEN NEEDED
CONTINUE
STOP