Table 12.10 Block Z-Atmospheric Information

Record	Type	Symbol	Description
1			Comment line
2.1.	Real	tinit	Initial time of the simulation [T].
2.2.	Logical	lSurf	Logical variable indicating whether the potential transpiration rRoot is to be divided into both potential evaporation and potential transpiration according to ratio between the actual root depth and the maximum root depth.
2.3.	Logical	lchBCatm	Logical variable indicating whether concentration and the top and at the bottom boundary are read at the end of each input line for 1 to number of solutes. Note: this record can be omitted, which causes <i>lchBatm=</i> .false.
3.1.	Real	Time	Time for which the i-th data record is provided [T].
3.2.	Real	Prec	Precipitation rate [L T ⁻¹] (in absolute value).
3.2.	Real	Evap	Potential soil evaporation rate [L T ⁻¹] (in absolute value). Set rSoil equal to zero if lSurf= .true. In that case rSoil is calculated as a function of rRoot (See section 7.3).
3.4.	Real	rRoot	Potential transpiration rate [L T ⁻¹] (in absolute value).
3.5.	Real	hCritA	Absolute value of minimum allowed pressure head at the soil surface
3.6.	Real	rB	Bottom flux [L T ⁻¹] (set equal to 0 if KodBot is positive or one of logical variables qGWL or FreeD or SeepF is .true.).
3.7.	Real	hB	Groundwater level [L], or any other prescribed pressure head boundary condition as indicated by a positive value of KodBot (set equal to 0 if KodBot is negative or one of logical variables qGWL or FreeD or SeepF is .true.).
3.8.	Real	hT	Prescribed pressure head [L] at the surface (set equal to 0 if KodBot < 0).
3.9.	Real	TT	Soil surface temperature [°C] (is not specified if lTemp is equal to .false.).
3.10.	Real	TB	Soil temperature at the bottom of the soil profile [°C] (must not be specified if lTemp is equal to .false., set equal to 0 if kBotT=0).
3.11.	Real	Plantin	Amount of organic fertilizer [M L ⁻²].
3.12.	Real	ET0	Grass potential reference evapotranspiration [mm T ⁻¹]. Required only if logical variable <i>Plants</i> is .true. (Block A), records 3.3 <i>Evap</i> and 3.4 <i>rRoot</i> will be ignored in that case.
3.13.	Real	T	2 m air temperature [°C]. Required only if logical variable <i>Plants</i> is .true. (Block A).

			Note: If logical variable <i>DailyTimestep</i> in file 'plants.in' is .true. , two columns are required: minimum and maximum air temperature
			(Tmin and Tmax)
3.14.	Real	Rad	Global radiation [J L ⁻² T ⁻¹]. Required only if
			logical variable <i>Plants</i> is .true. (Block A)
3.15.	Real	RelHum	2 m air humidity [%]. Required only if logical
			variable <i>Plants</i> is .true. (Block A) and logical
			variable Farquhar (plants.in) is also .true.
3.16.	Real	сТор	Top boundary solute concentration [M L ⁻³] for
5.10.	rear	СТОР	1 to number solutes (<i>NSolutes</i> , rec. 2.5 in
			selector.in), required only when logical
			,, I
			variable <i>lChBCatm</i> (record 2.3.) exists and is
			.true.; Note: For nitrogen solutes and
			phosphorus cTop=0, except for fertilization
			events
3.17.	Real	cBot	Bottom boundary solute concentration [M L ⁻³]
			for 1 to number solutes (<i>NSolutes</i> , rec. 2.5 in
			selector.in), required only when logical
			variable <i>lChBCatm</i> (record 2.3.) exists and is
			.true.
			·u uc.

Block Z need not supplied if both logical variables *TopInF* and *BotInF* (Block A) are set equal to **.false.**.