



**Key:** VT – ventilated thermocline. IT – internal thermocline. P – pool region in west.  $\delta$  – thickness of the internal thermocline.  $D_a$  – depth of the ventilated thermocline.  $\Delta T_{ST}$  – temperature drop across subtropical gyre and across ventilated thermocline.  $\Delta T_{SP}$  – temperature drop across the subpolar gyre and internal thermocline.  $y_0$  – subtropical-subpolar gyre boundary.  $y_1$  – a latitude in the subtropical gyre.

**Fig. 20.15**