	NONDIM-134 Tw, Ut, S, #3004 26 Nov 2013
C	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
5 SQUARES 5 SQUARES 5 SQUARES FILLER	$Re \equiv \rho_0 U_0 l_0$ $\partial_y = \frac{1}{l_0} \partial_y^*$
O SHEETS — O SHEETS — O SHEETS — O SHEETS —	Q: CONNECT TW, Ut, S. WITH TW, UT, SU ACCOUNTING FOR NONDIMENSIONALIZATION
3-0235 — 5 3-0236 — 10 3-0237 — 20 3-0137 — 20	Tw = u* 2, " u* /w supressing "/" = U lo 2, u supressing "/"
COMET	$= \frac{l_0}{\mu_0 u_0} = \frac{l_0}{\mu$
	$u_{\overline{t}}^* = \sqrt{\frac{z_{\overline{w}}^*}{p^*}} = \sqrt{\frac{p_0 T_{\overline{w}}}{p T_0}} = \sqrt{\frac{p_0}{T_0}} \sqrt{\frac{z_{\overline{w}}}{p}} = \sqrt{\frac{p_0}{T_0}} u_{\overline{t}}$
	NOW $\sqrt{\frac{P_0}{T_0}} = \sqrt{\frac{P_0 L_0}{U_0 U_0}} = \sqrt{\frac{U_0^2}{U_0^2}} \frac{P_0 L_0}{U_0 U_0} = \frac{1}{U_0} \sqrt{RE}$ 50 $U_0^{\pm} = \frac{1}{U_0} \sqrt{RE} U_0^{\pm} U_0^{\pm} U_0^{\pm}$
	A: $U_{\overline{c}} = U_0 U_{\overline{c}}^*$ \overline{IRE}'
	ST = Ut = UL Po Uo = I Po Uo IL PO TRE UT = TRE UO PUT
	$= \frac{1}{\sqrt{Re'}} \frac{\rho_0 U_0}{U_0} \delta_{\mathcal{V}} = \frac{1}{\sqrt{Re'}} \frac{\rho_0 U_0 l_0}{U_0} \delta_{\mathcal{V}} = \frac{RE}{\sqrt{Re'}} \frac{1}{l_0} \delta_{\mathcal{V}}$ $= \frac{1}{\sqrt{Re'}} \delta_{\mathcal{V}}$ $= \frac{1}{\sqrt{Re'}} \delta_{\mathcal{V}}$
	A: $\delta_{V} = \frac{l_{0} \delta_{V}^{*}}{\sqrt{RE'}} \Rightarrow RET = \frac{s}{\delta_{V}} = \frac{l_{0} \delta_{V}^{*}}{\sqrt{l_{0} \delta_{V}^{*}}} \sqrt{RE'} = \sqrt{l_{0} \delta_{V}^{*}}$ FOR CHANNEL HALF-NIOTH δ