$$\frac{D\mathcal{T}_m}{\mathcal{T}} - \frac{1}{4}\, b^a{}_m\, \dot{\mathcal{T}}^{\parallel}{}_a + \frac{1}{4}\, b^{aa1}\, \hat{\gamma}_{ma1}\, \dot{\mathcal{T}}^{\parallel}{}_a -$$

$$b^{aa1}\, D n_{ma}\, \hat{\gamma}_{a1b1}\, h^{bb1}\, n_b -$$

$$\frac{1}{4}\, b^a{}_m\, b^{a1b}\, \hat{\gamma}_{bc}\, h^{b1c}\, \dot{\mathcal{T}}^{\parallel}{}_{a1}\, n_a\, n_{b1} +$$

$$\mathcal{A}_{acm}\, b^{aa1}\, \hat{\gamma}_{a1b1}\, h^{bb1}\, n_b\, n^c -$$

$$D n_m{}^a\, X_a - \mathcal{A}_{aa1m}\, n^a\, X^{a1}$$