$$A = 2.00907 + 3.22014Ts + 4.05010Ts^2 + 4.94457Ts^3 - 0.256847Ts^4 + 3.88767Ts^5$$
$$+S(-0.00624523 - 0.00737614Ts - 0.0103410Ts^2 - 0.00817083Ts^3) - 4.88682 \times 10^{-7} S^2$$