

TABLE 2. 2

## UNITS FOR NORMALIZATION

Physical Values	Normalization Units	Typical Values
Length	$L^a$	5, 000 (km)
Velocity	$C_{S0}^b$	300 (km / s )
Time	$L / C_{S0}$	20 (s)
Density	$\rho_0$	$10^{-14}$ (g / cm <sup>3</sup> )
Pressure	$\rho_0 C_{S0}^2$	10 (dyn / cm <sup>2</sup> )
Temperature	$\mu C_{S0}^2 / R$	$3 \times 10^6$ (K)
Magnetic Field	$(\rho_0 C_{S0}^2)^{1/2}$	3 (G)
Electrical Resistivity	$C_{S0} L$	$5 \times 10^{16}$ (cm <sup>2</sup> / s)

NOTE.—The parameters  $\rho_0$ ,  $T_0$ , and  $C_{S0}$  are taken to be the coronal values in the active region.  $\gamma$ ,  $\mu$ ,  $\rho_0$ ,  $R$ , and  $c$  are the adiabatic index, the mean molecular weight, the plasma beta, the gas constant, and the speed of light, respectively.

<sup>a</sup>  $L$  is a half length between the footpoints of a coronal loop.

<sup>b</sup>  $C_{S0}$  is the adiabatic sound velocity defined by  $C_{S0} = (R T_0 / \mu)^{1/2}$ .