

Chapter 3 : Latitude-height cross sections of monthly mean quantities

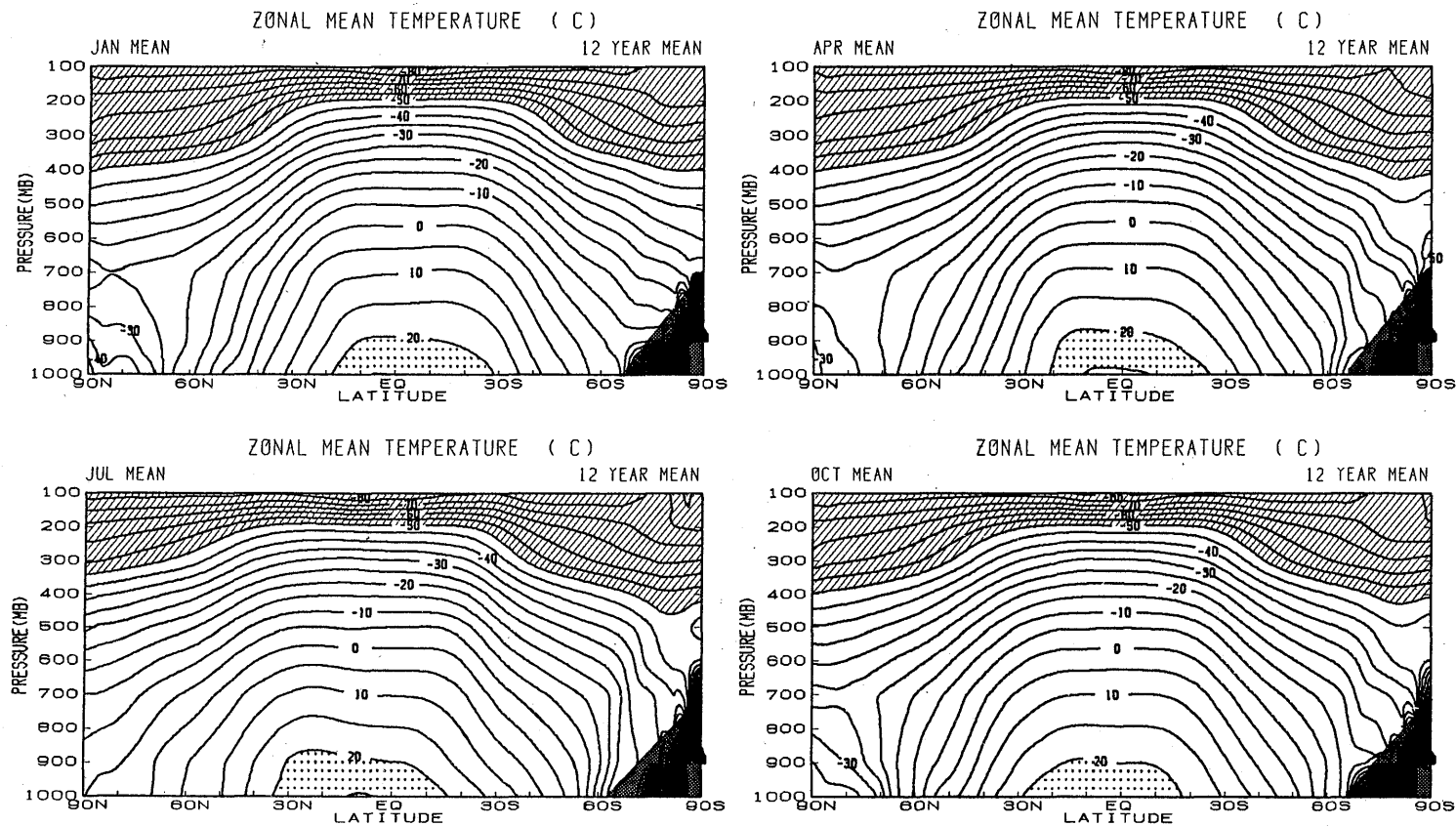


Fig. 3.1.1 Zonal mean temperature simulated by the model. Contour interval is 5°C. Values greater than 20°C are dotted, those less than -50°C are shaded.

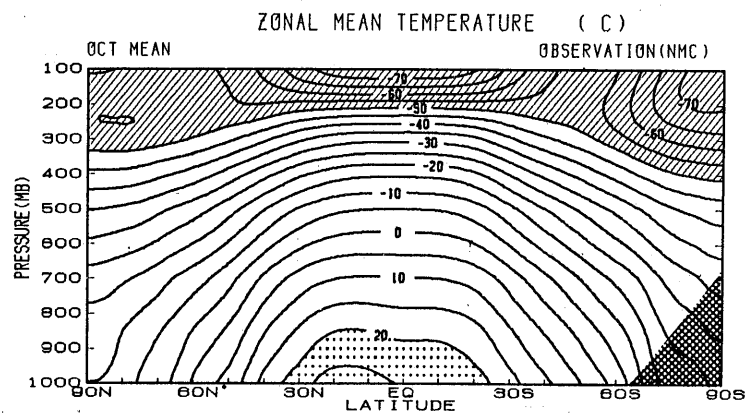
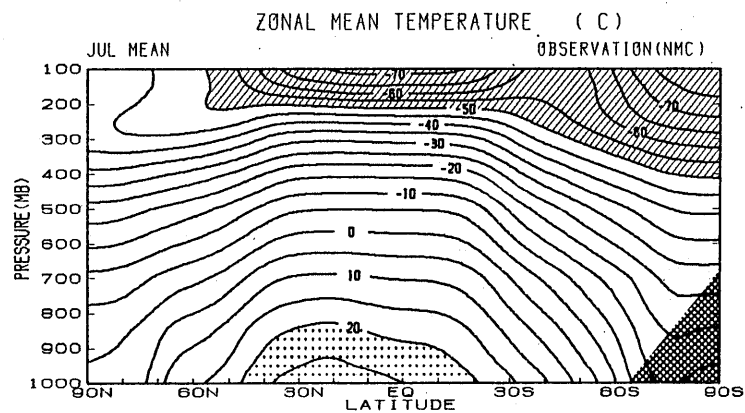
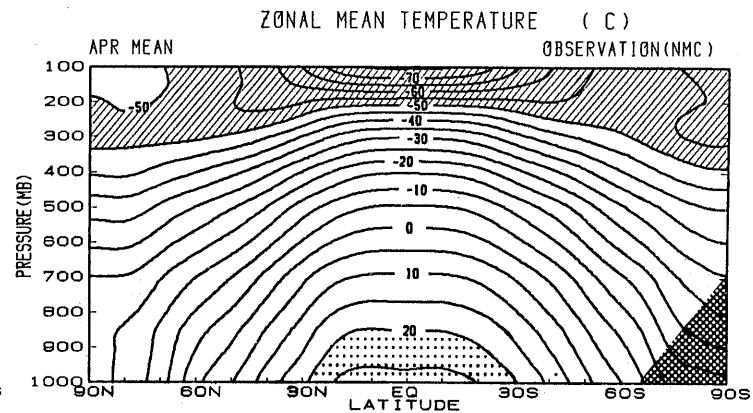
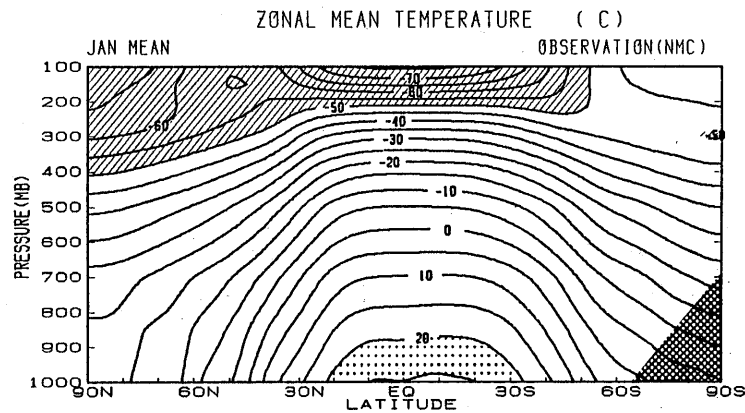


Fig. 3.1.2 Same as in Fig. 3.1.1 except for observed values.

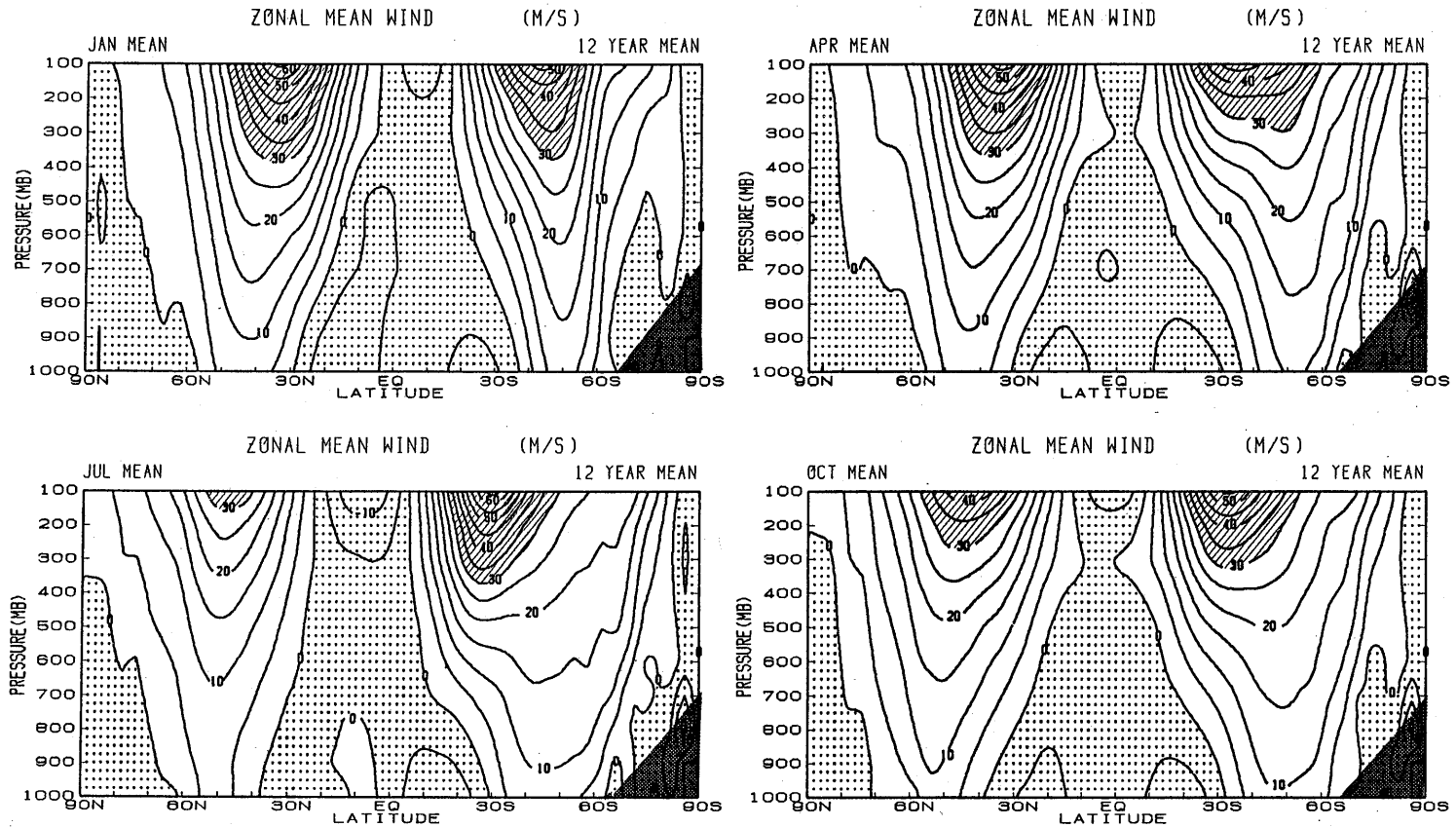


Fig. 3.2.1 Zonal mean zonal wind simulated by the model. Contour interval is 5 m s^{-1} . Values greater than 30 m s^{-1} are shaded. Negative values (easterlies) are dotted.

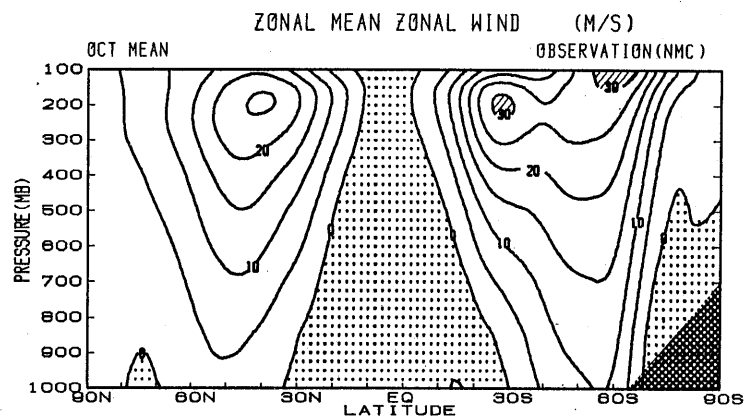
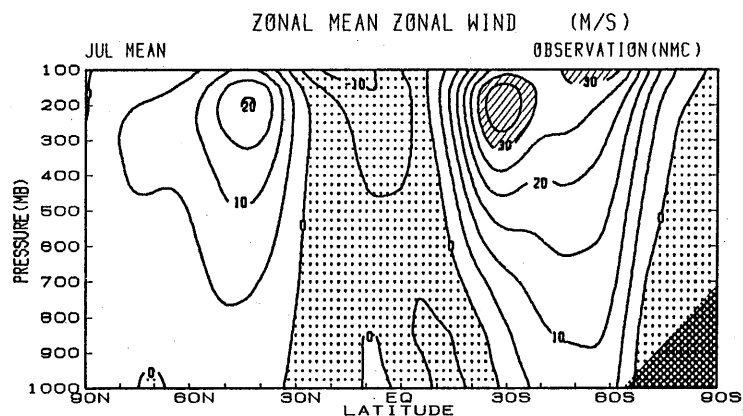
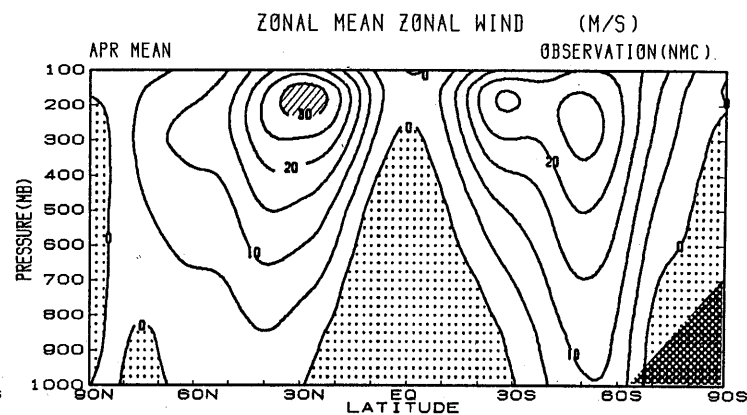
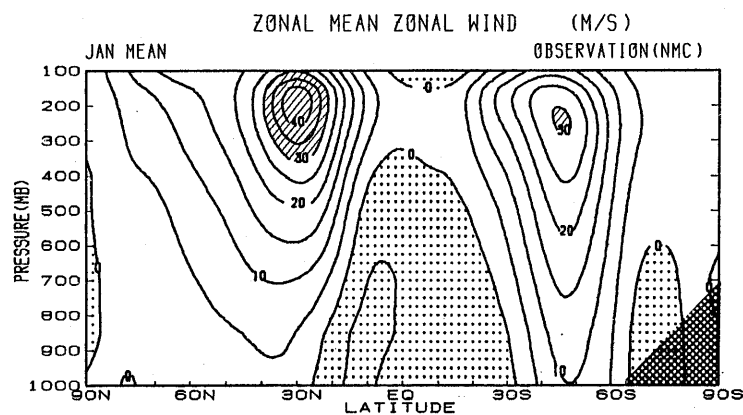


Fig. 3.2.2 Same as in Fig. 3.2.1 except for observed values.

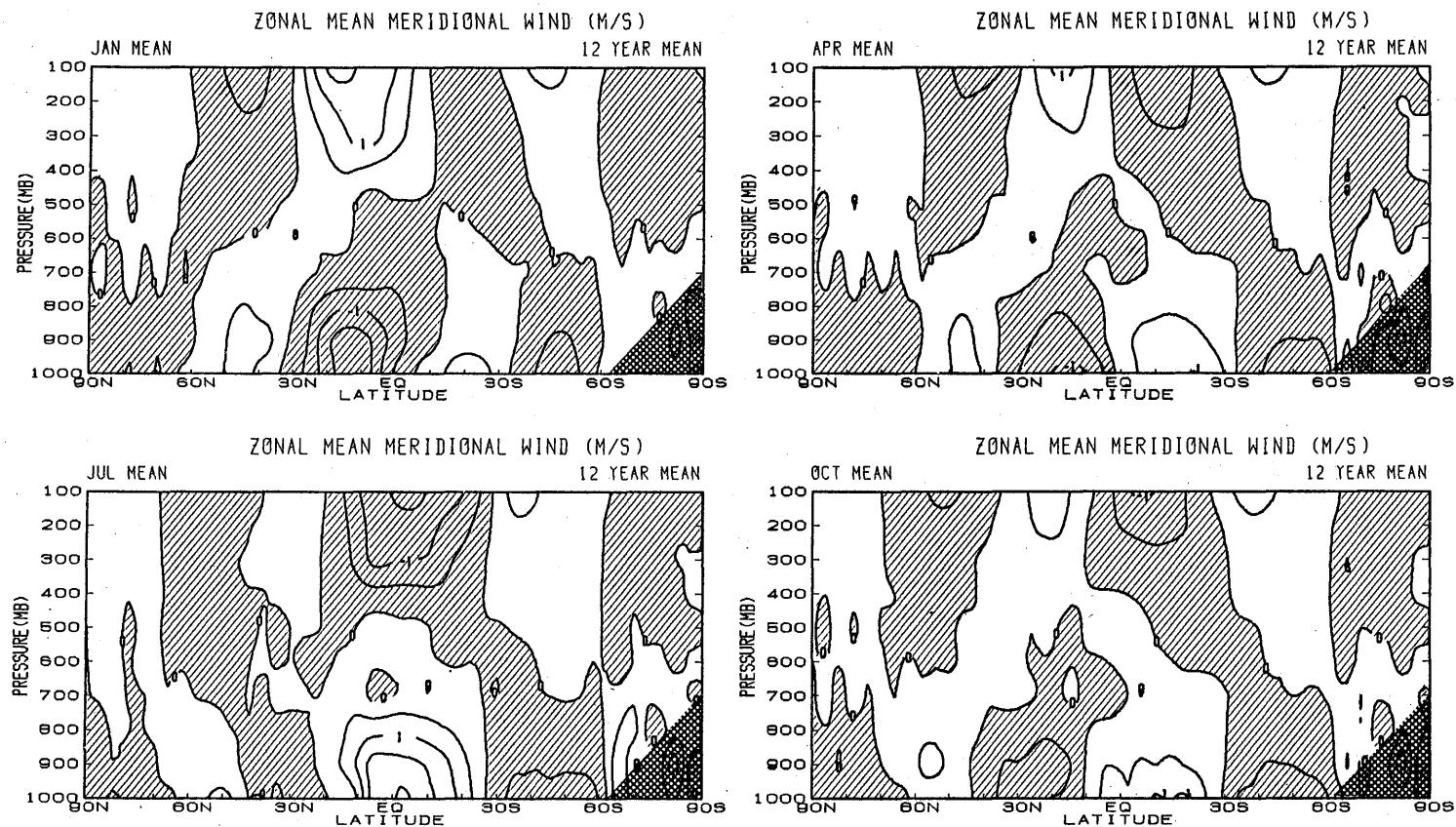


Fig. 3.3.1 Zonal mean meridional wind simulated by the model. Contour interval is 0.5 m s^{-1} . Negative values (northerlies) are shaded.

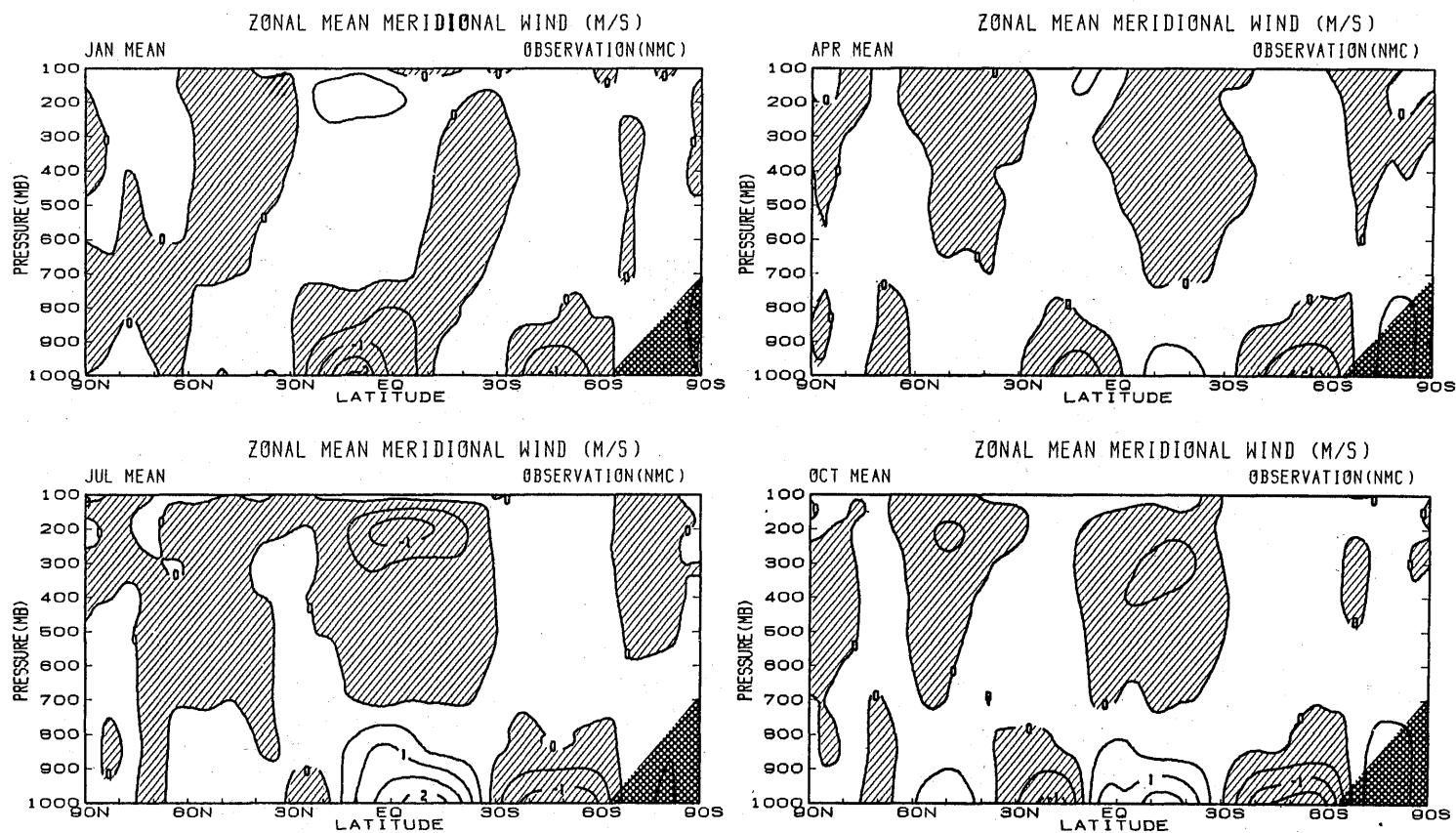


Fig. 3.3.2 Same as in Fig. 3.3.1 except for observed values.

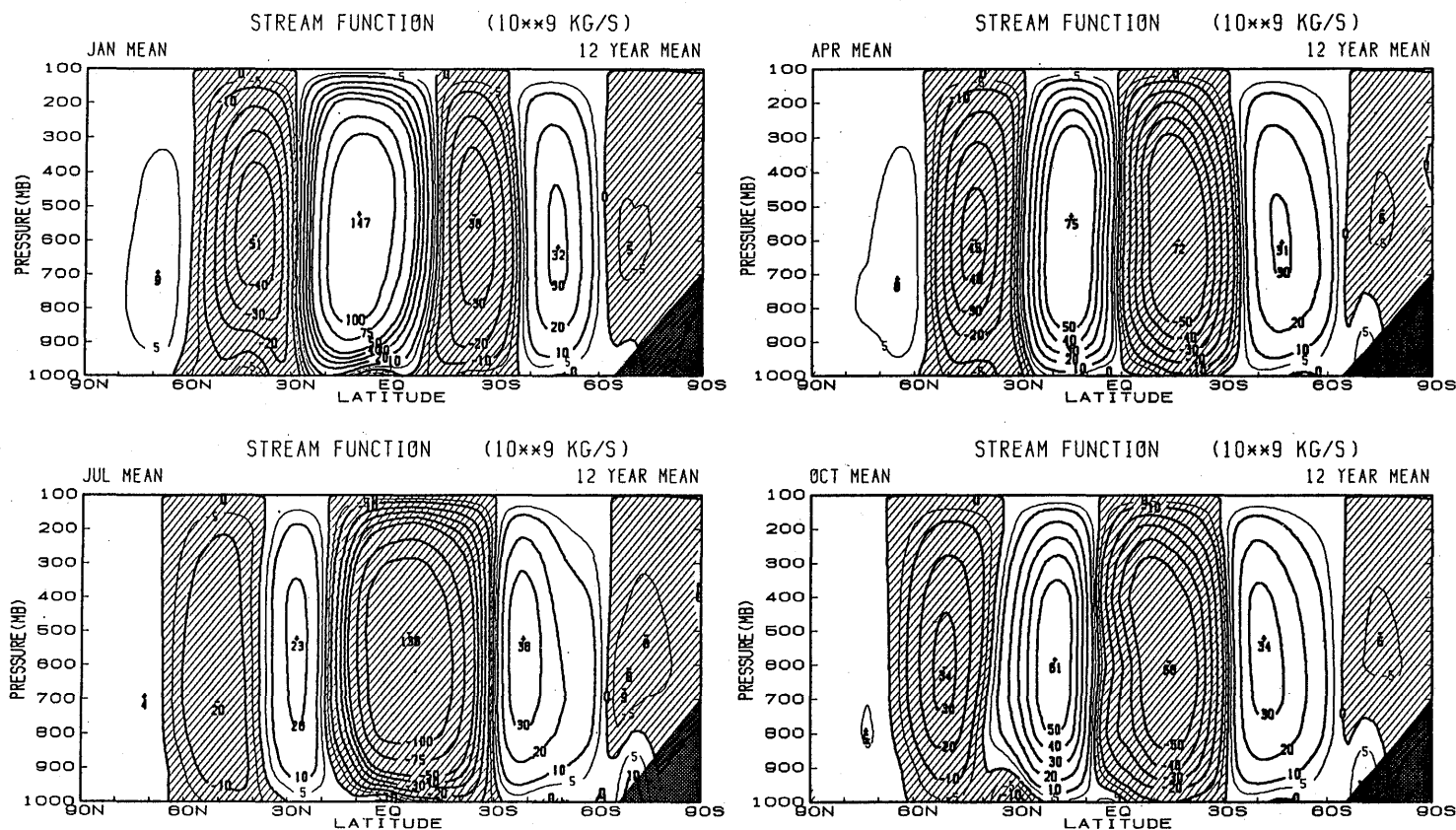


Fig. 3.4.1 Stream function simulated by the model. Unit is 10^9 kg s^{-1} . Negative values are shaded. Negative regions correspond to clockwise flow regions.

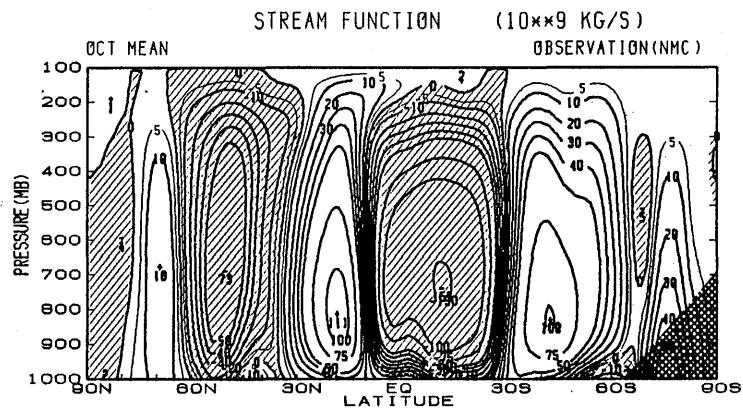
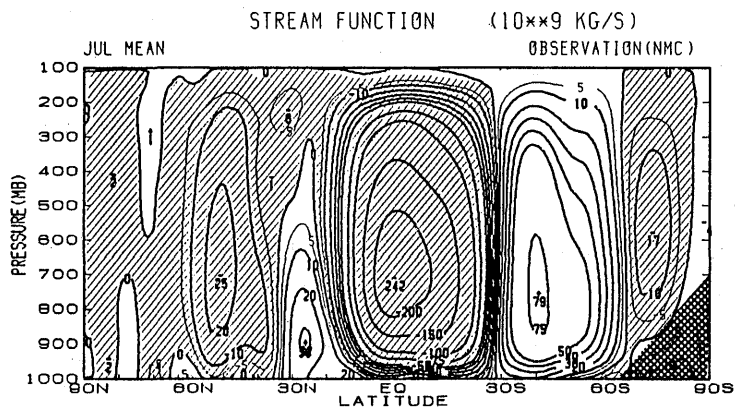
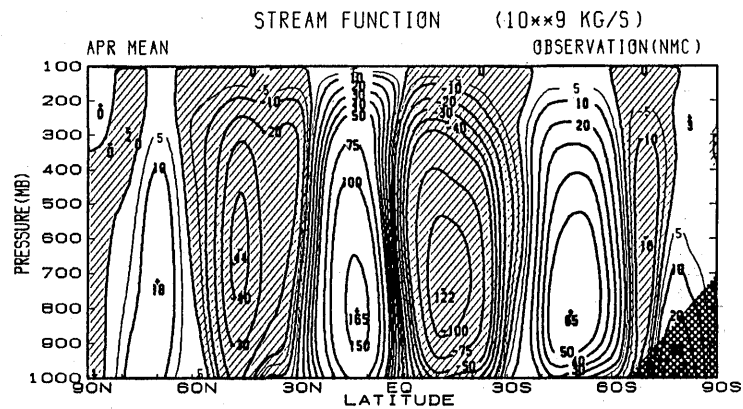
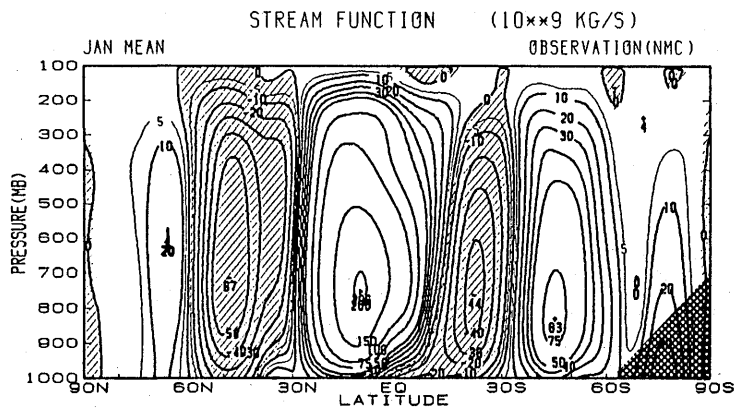


Fig. 3.4.2 Same as in Fig. 3.4.1 except for observed values.

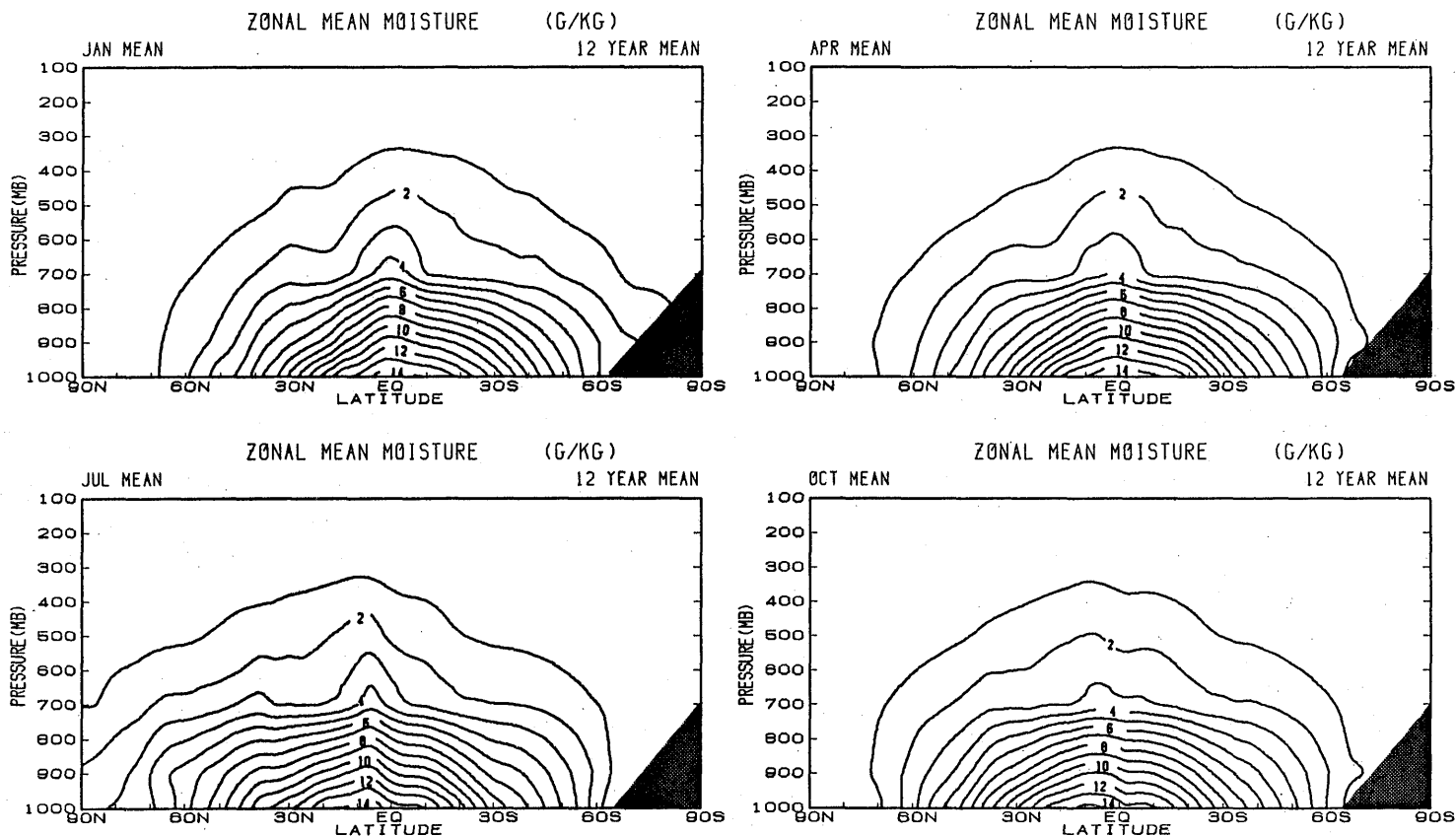


Fig. 3.5.1 Zonal mean mixing ratio of water vapor simulated by the model. Contour interval is 1 g kg⁻¹.

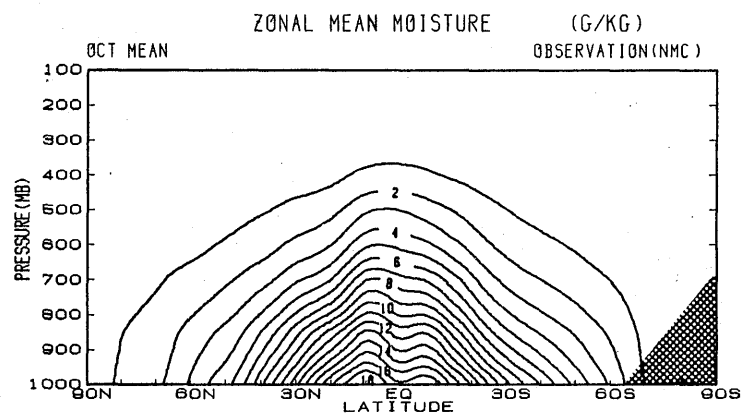
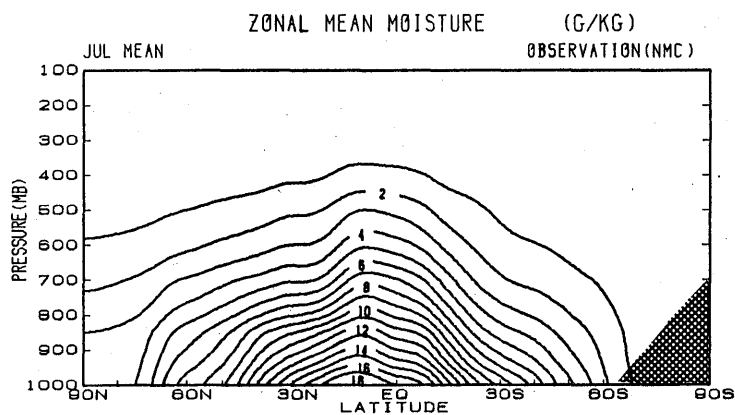
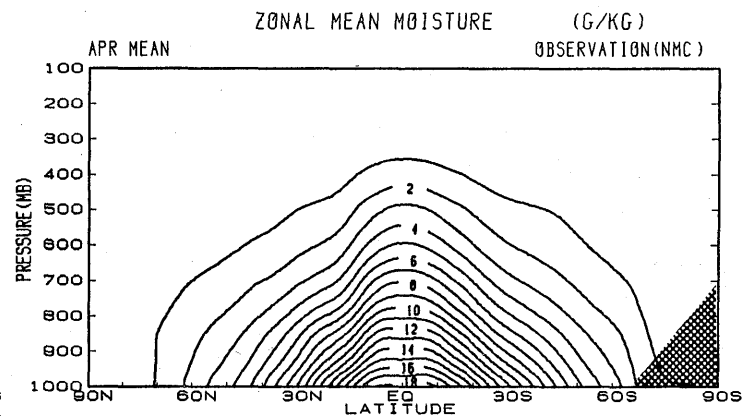
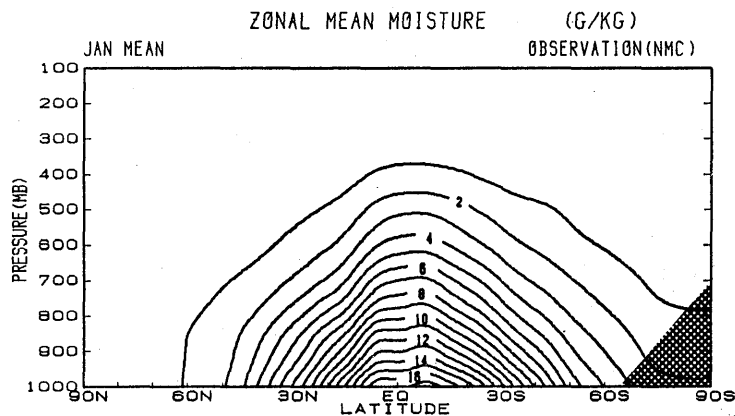


Fig. 3.5.2 Same as in Fig. 3.5.1 except for observed values.

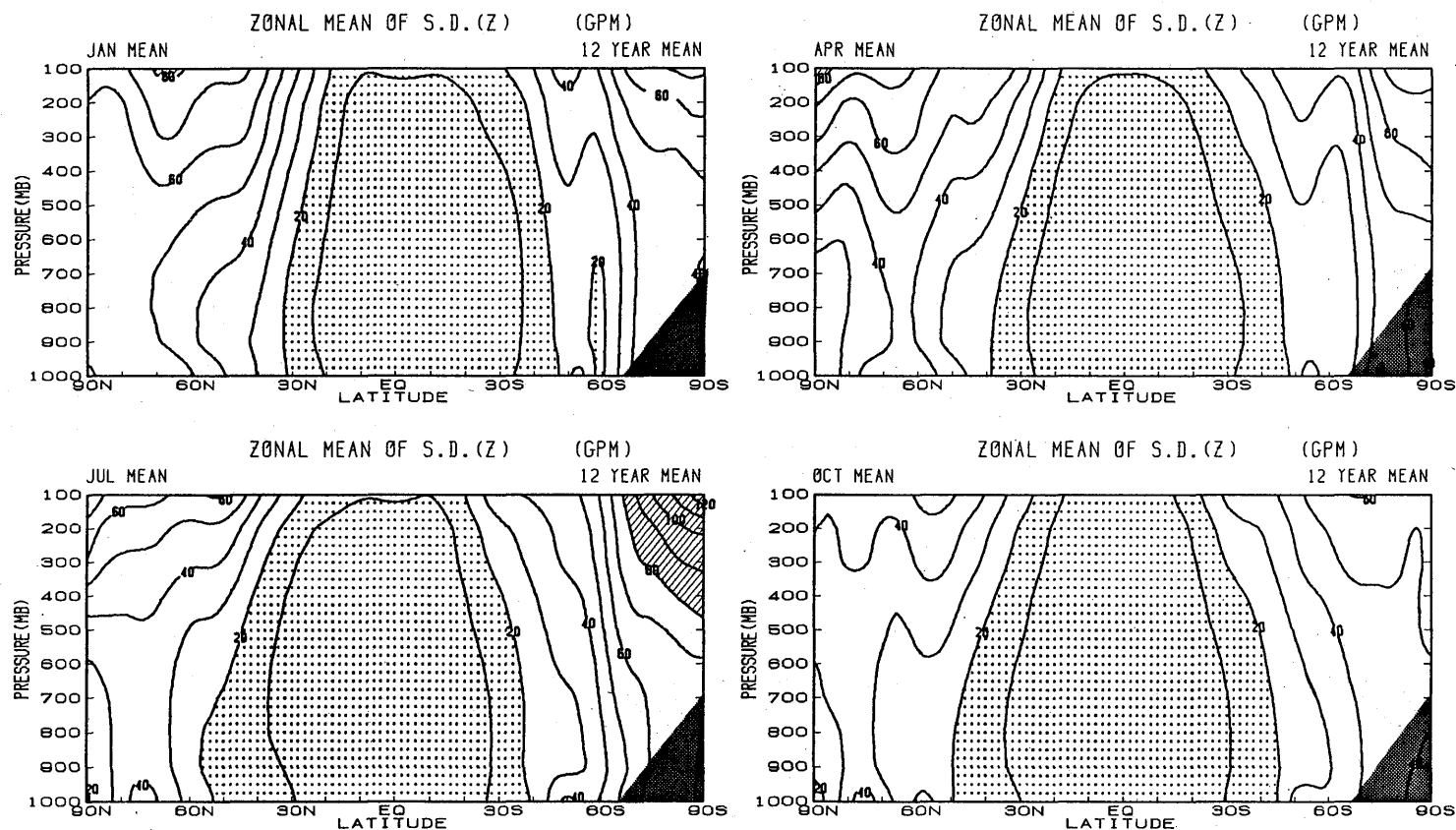


Fig. 3.6.1 Zonal mean of the standard deviation of monthly mean geopotential height simulated by the model. Contour interval is 10 g.p.m. Values greater than 80 g.p.m. are shaded. Values less than 20 g.p.m. are dotted.

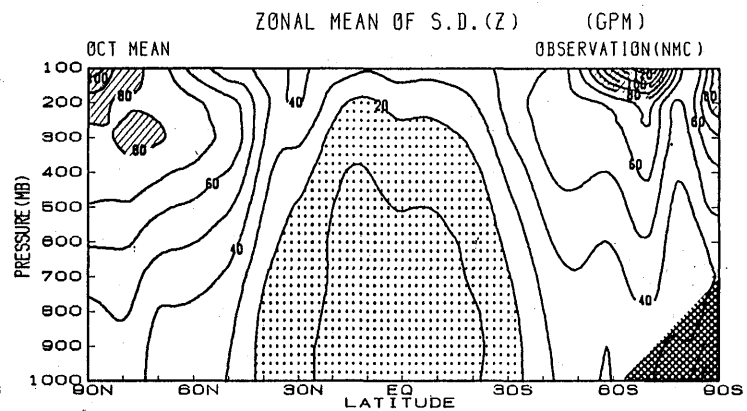
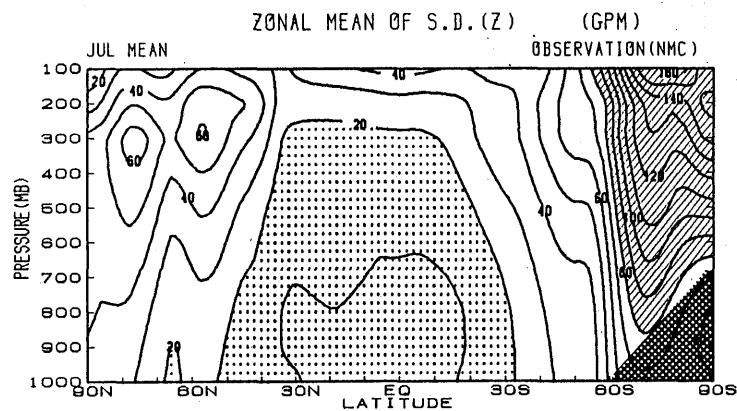
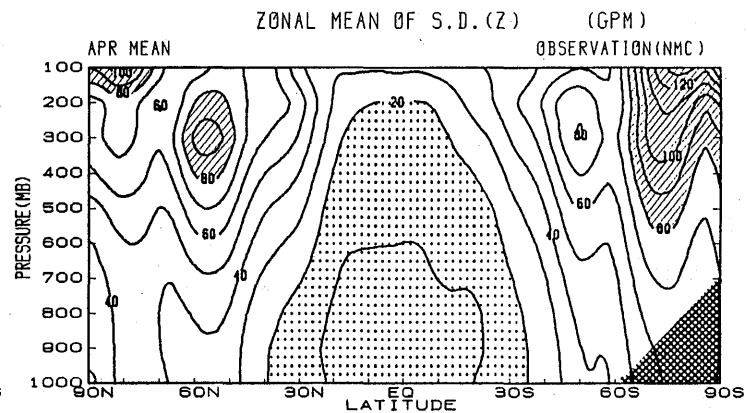
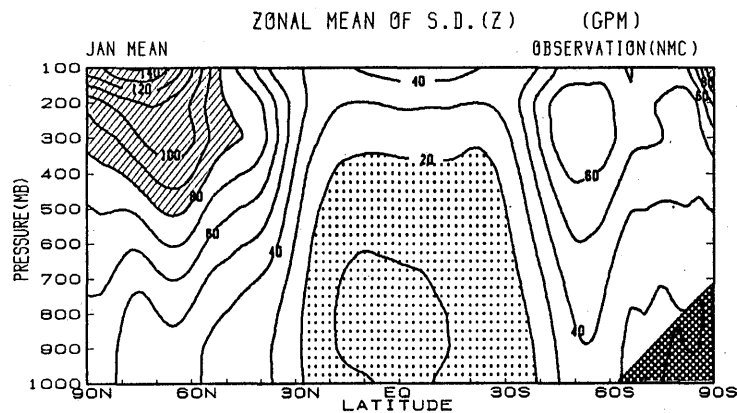


Fig. 3.6.2 Same as in Fig. 3.6.1 except for observed values.

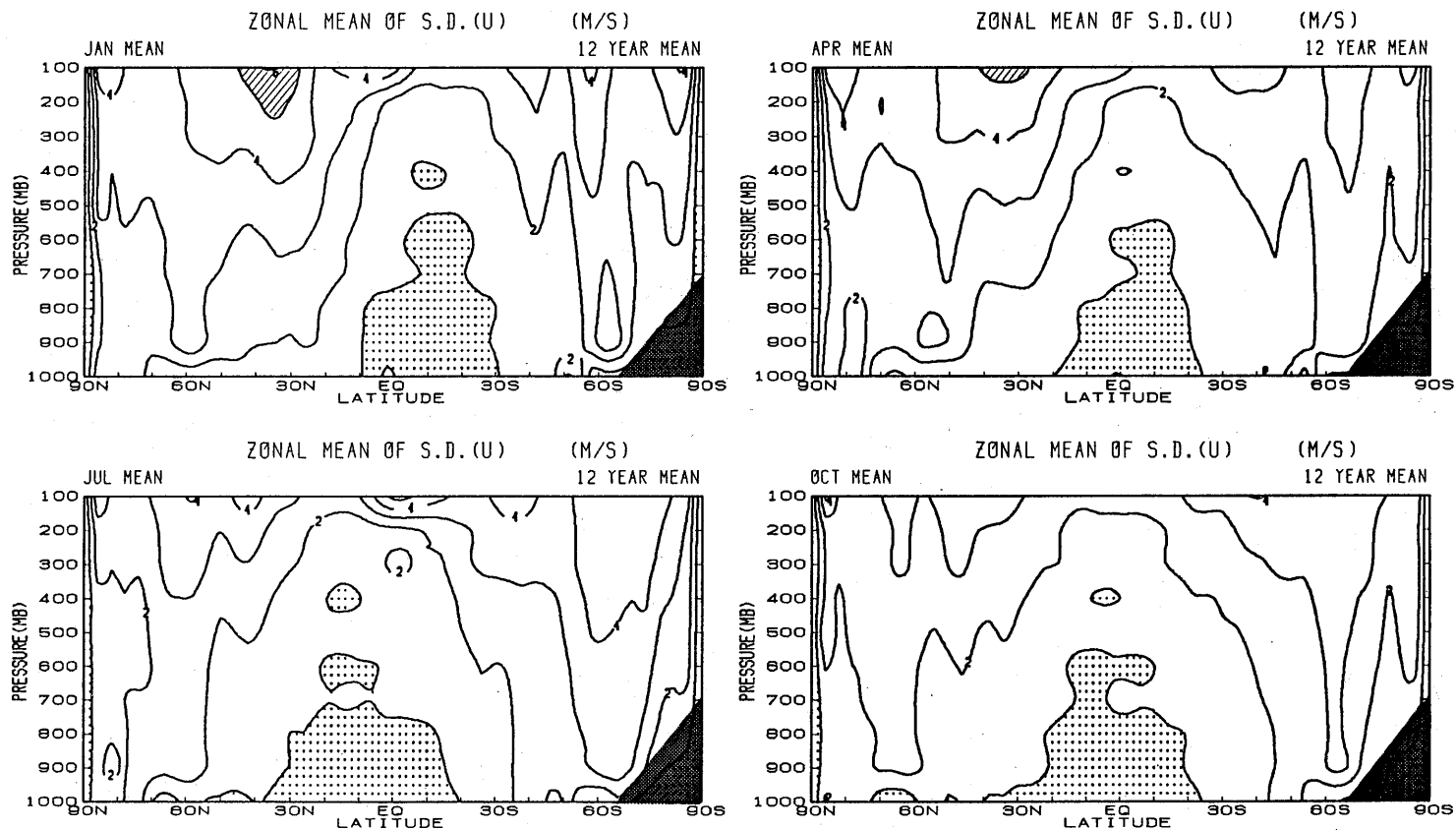


Fig. 3.6.3 Zonal mean of the standard deviation of the monthly mean zonal wind simulated by the model. Contour interval is 1 m s^{-1} . Values greater than 5 m s^{-1} are shaded. Values less than 1 m s^{-1} are dotted.

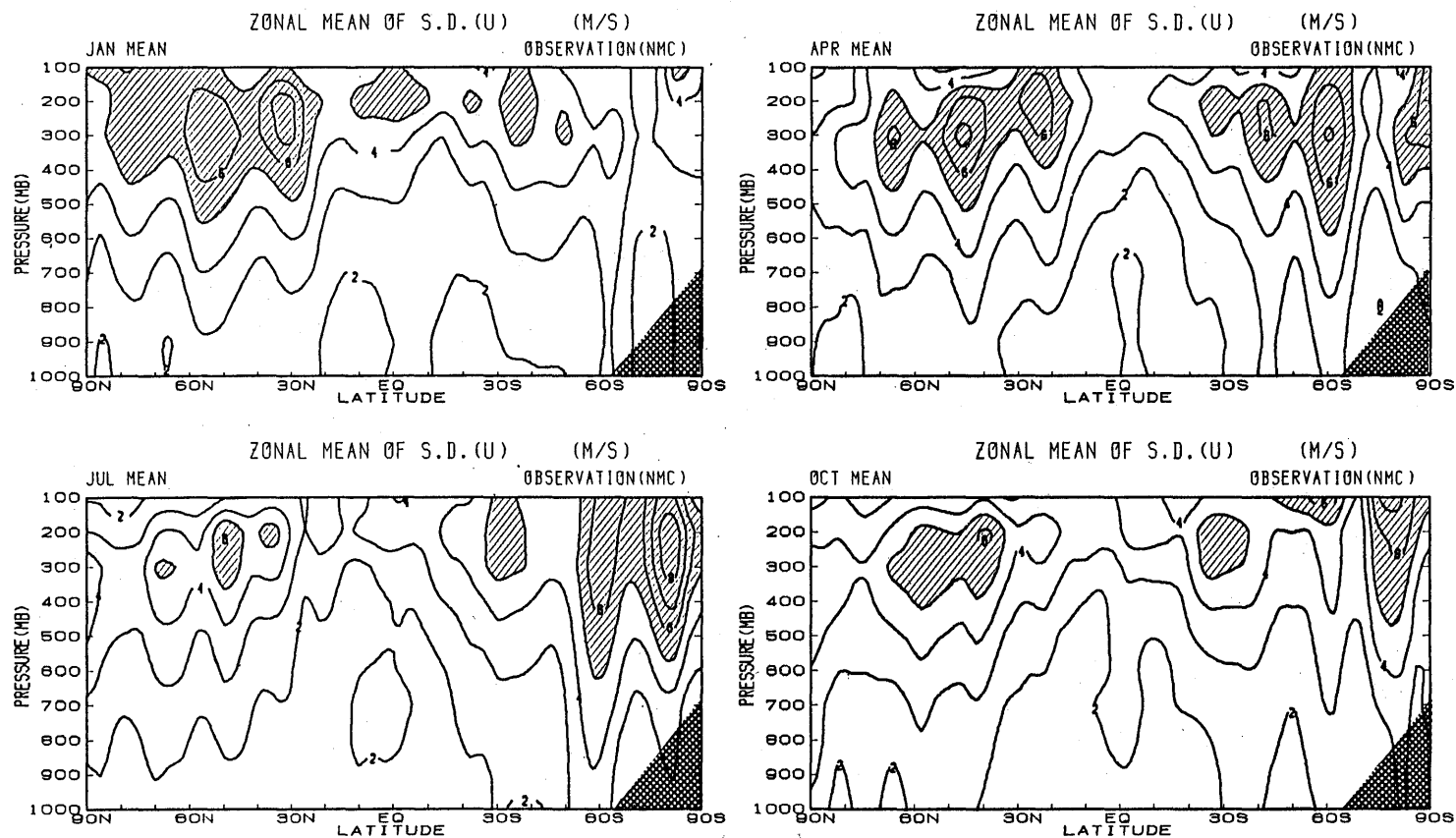


Fig. 3.6.4 Same as in Fig. 3.6.3 except for observed values.

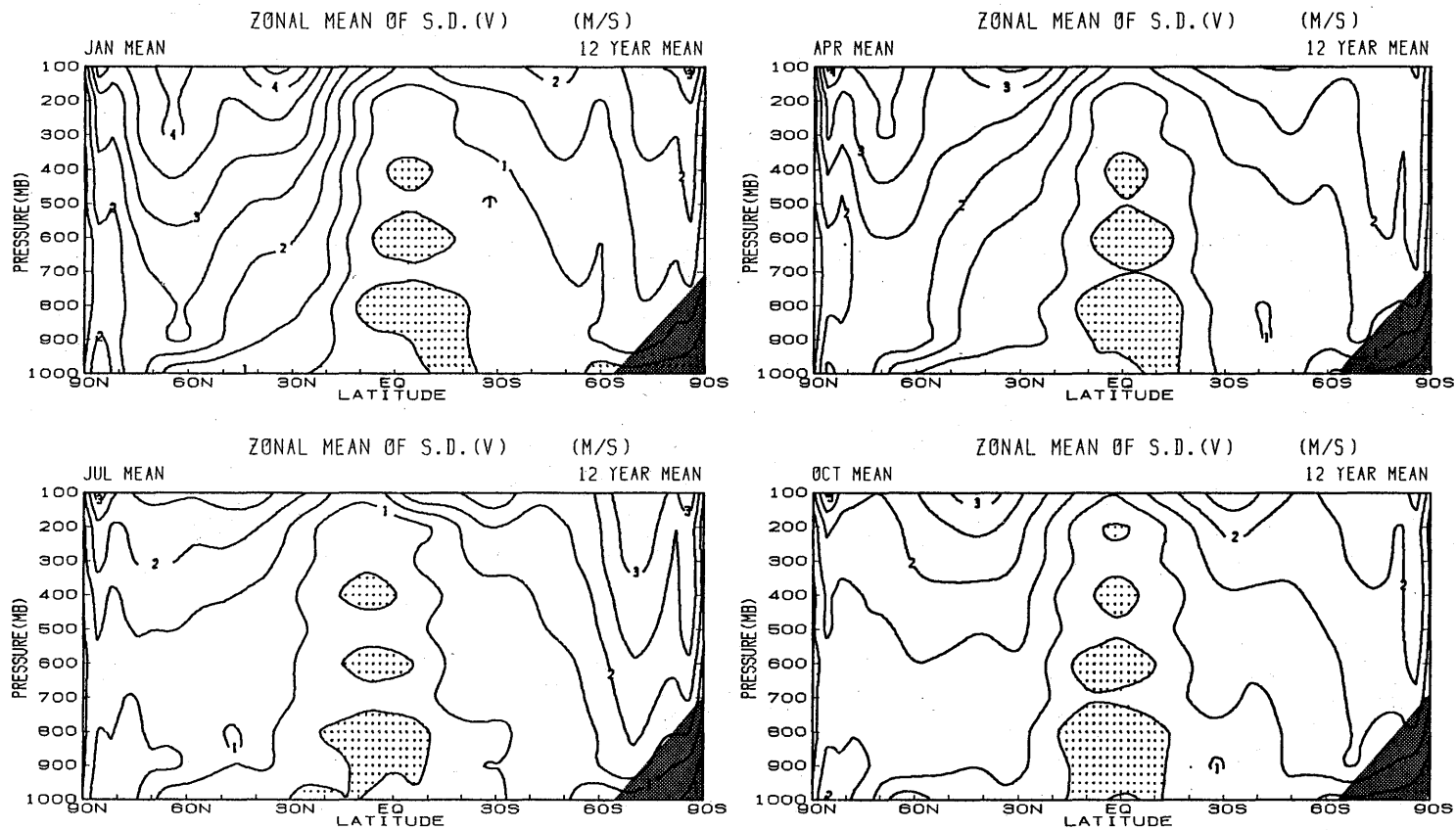


Fig. 3.6.5 Zonal mean of the standard deviation of the monthly mean meridional wind simulated by the model. Contour interval is 0.5 m s^{-1} . Values greater than 5 m s^{-1} are shaded, those less than 0.5 m s^{-1} dotted.

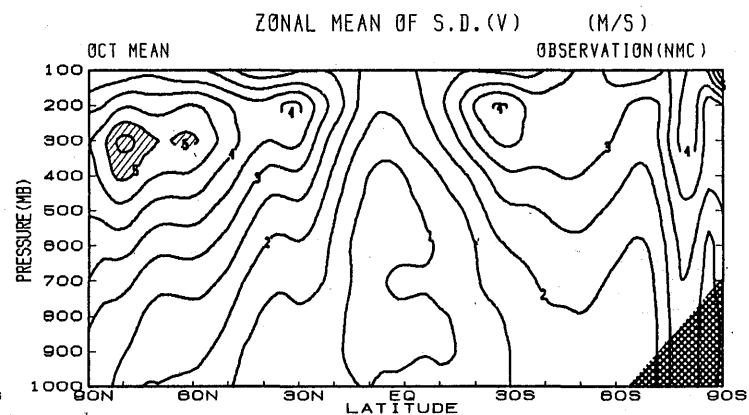
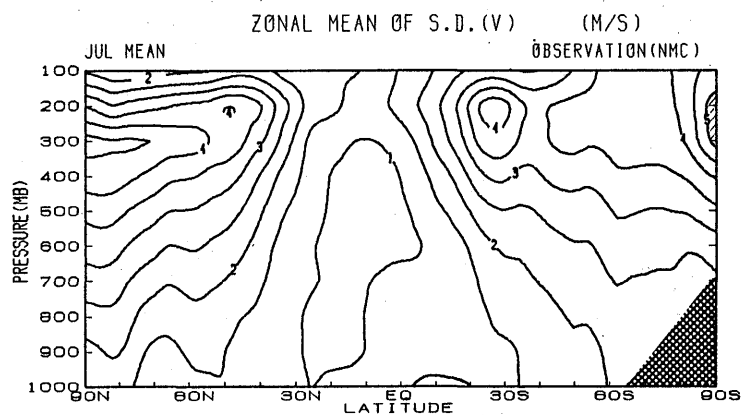
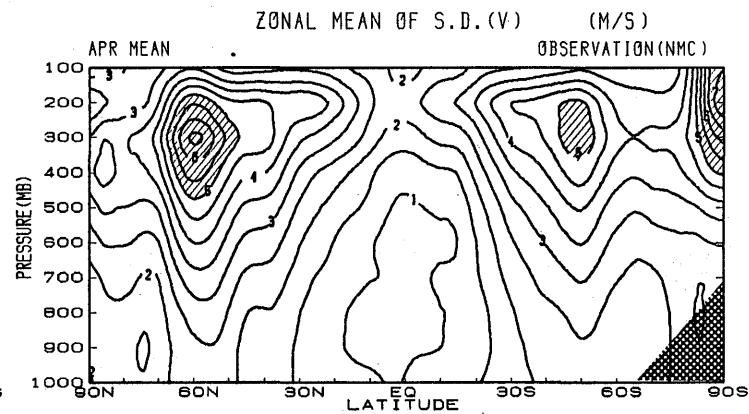
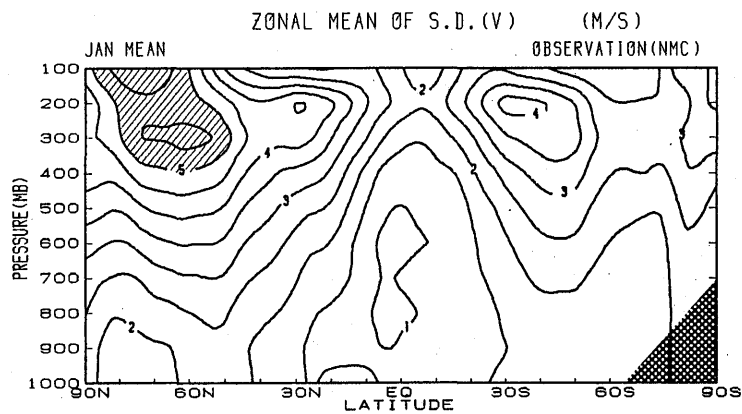


Fig. 3.6.6 Same as in Fig. 3.6.5 except for observed values.

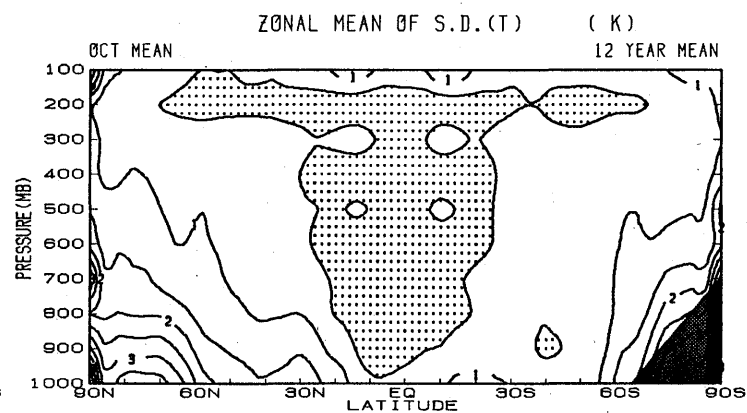
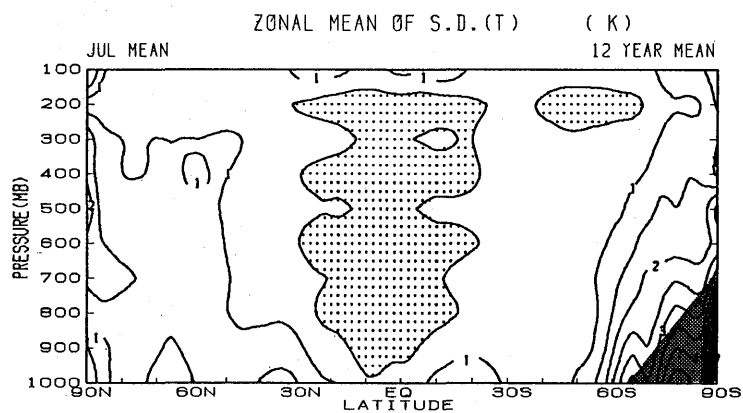
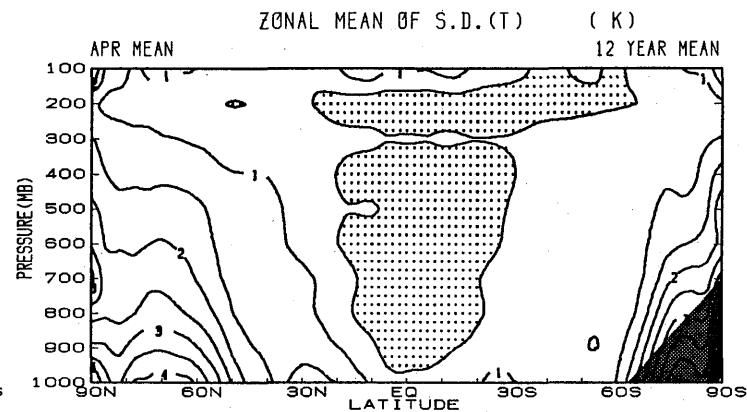
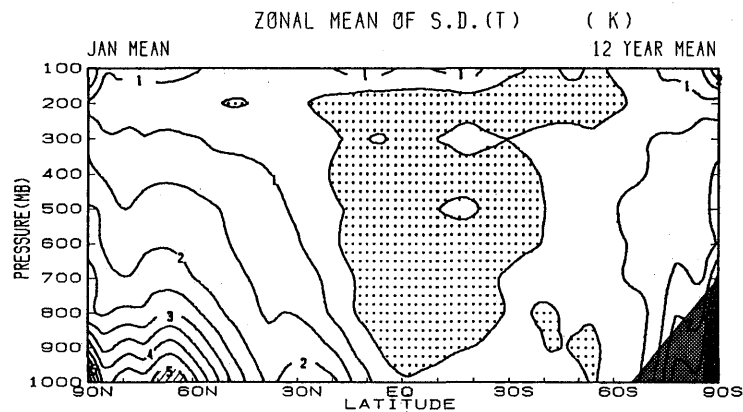


Fig. 3.6.7 Zonal mean of the standard deviation of the monthly mean temperature simulated by the model. Contour interval is 0.5 K. Values greater than 5 K are shaded those less than 0.5 K dotted.

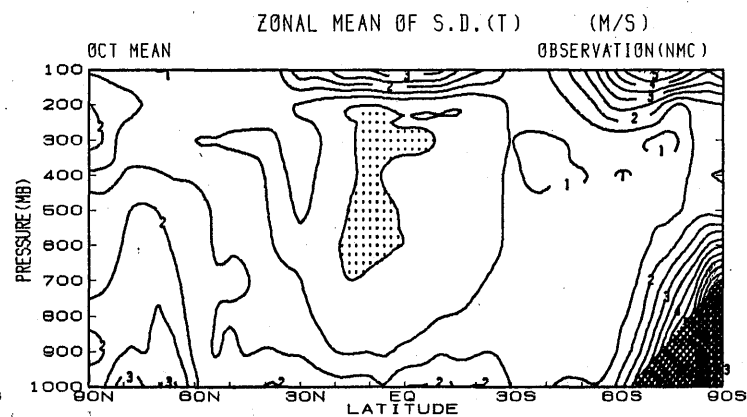
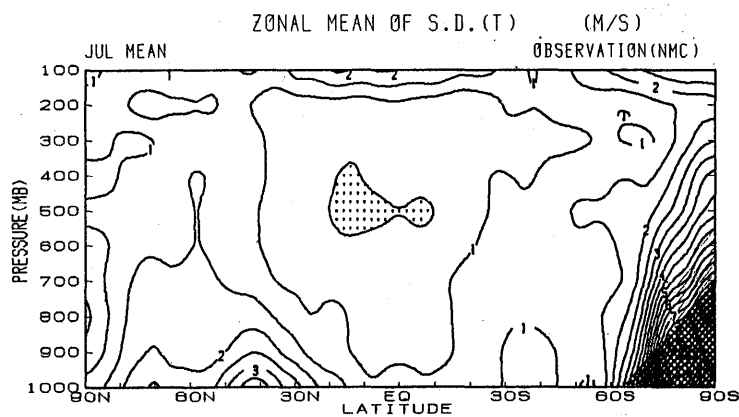
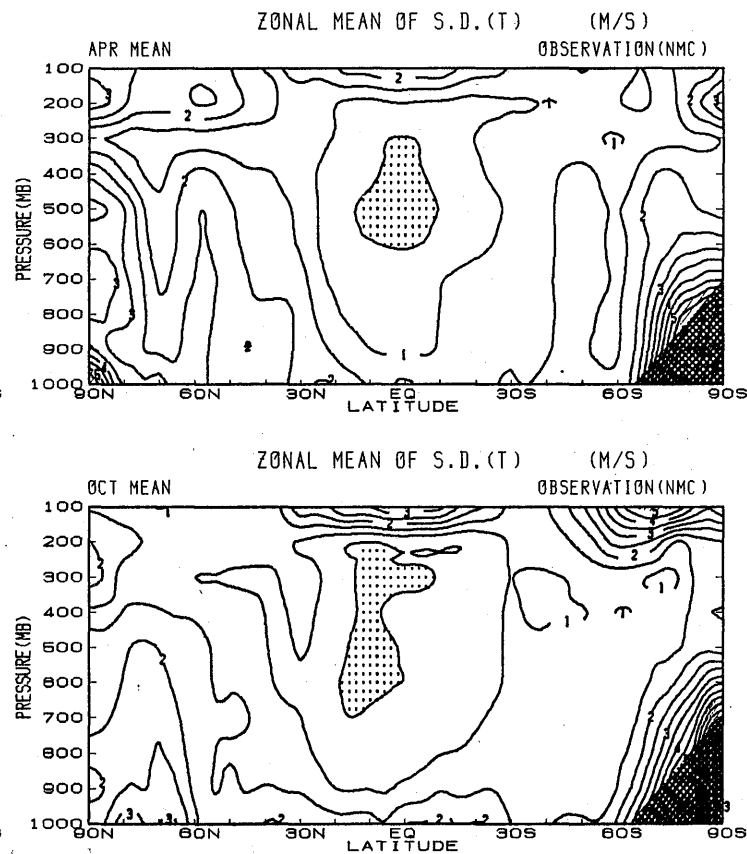
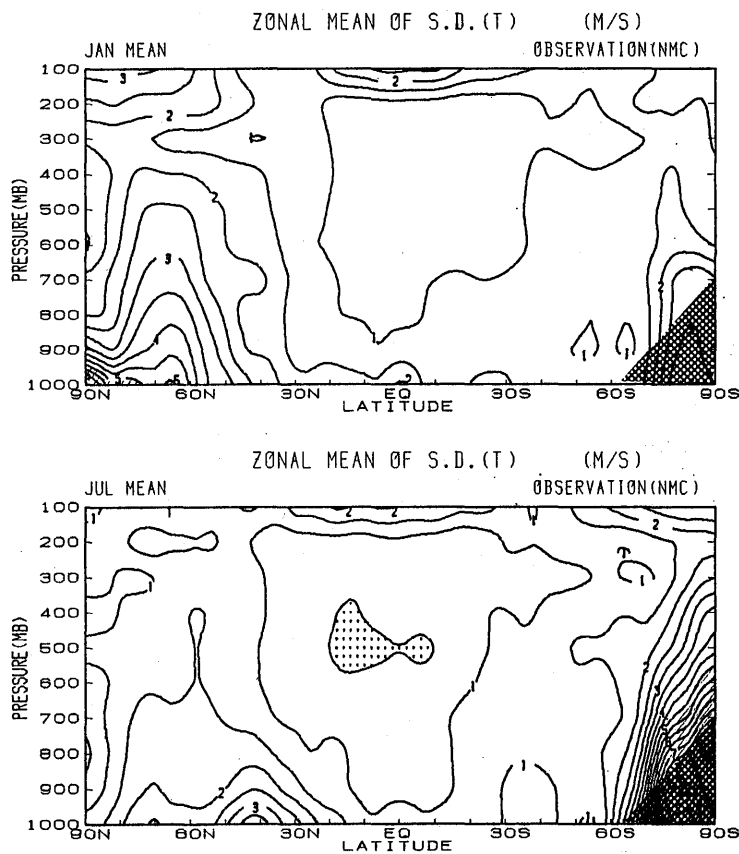


Fig. 3.6.8 Same as in Fig. 3.6.7 except for observed values.

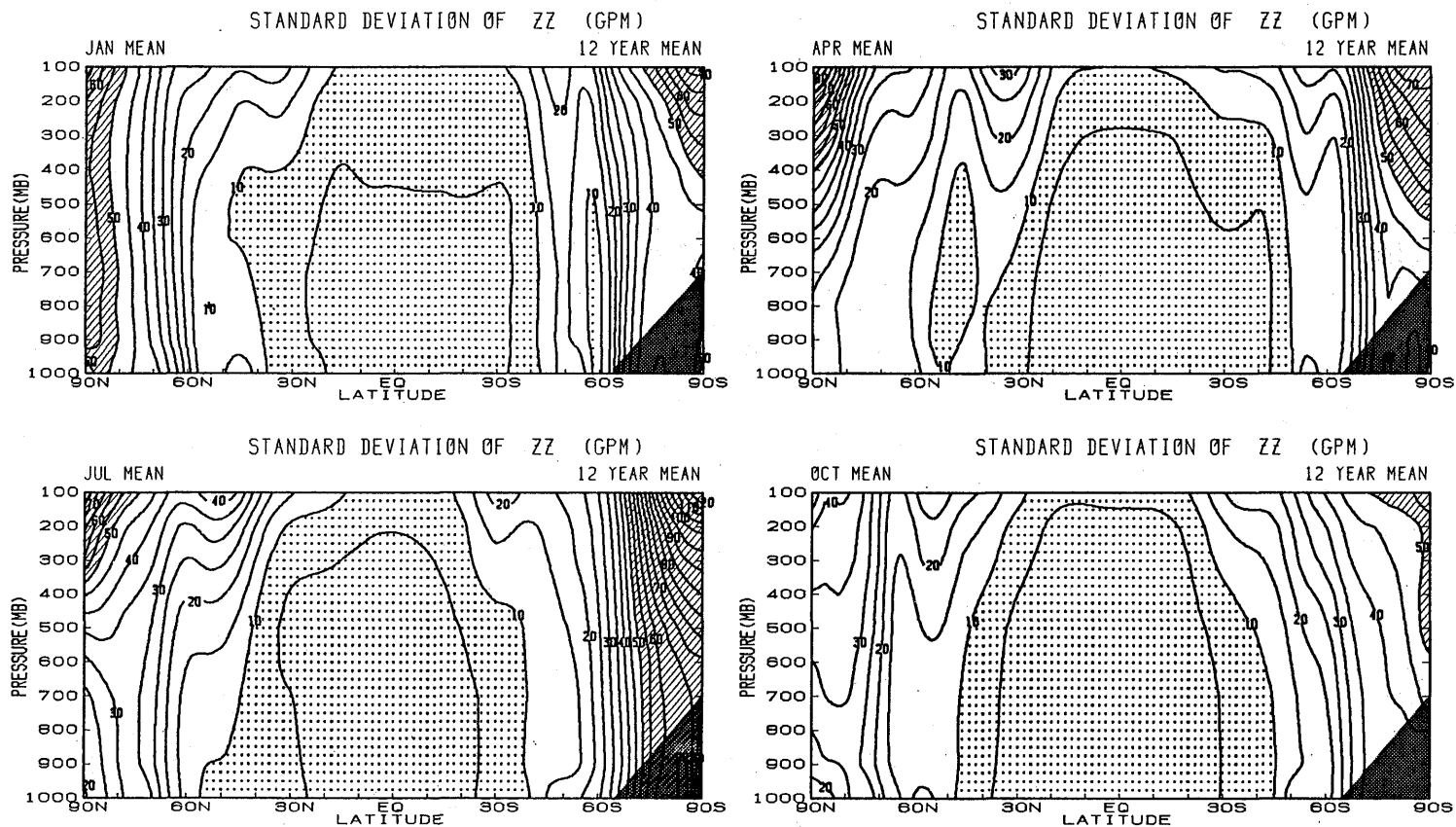


Fig. 3.7.1 Standard deviation of the zonal and monthly mean geopotential height simulated by the model. Contour interval is 5 g.p.m. Values greater than 50 g.p.m. are shaded, those less than 10 g.p.m. dotted.

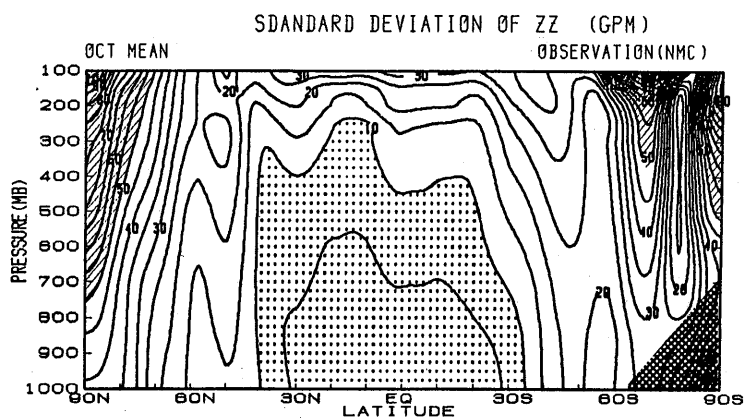
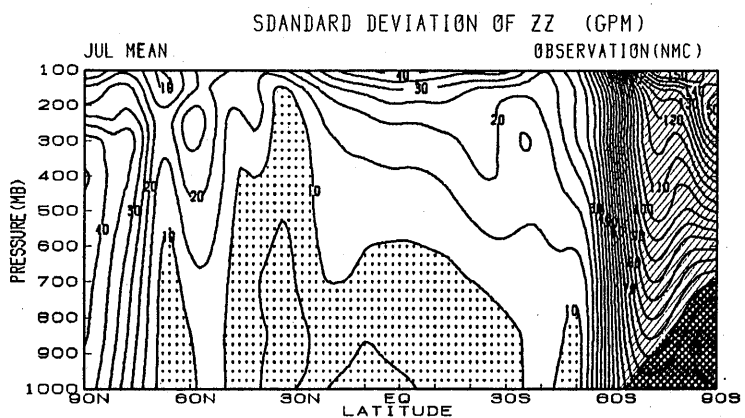
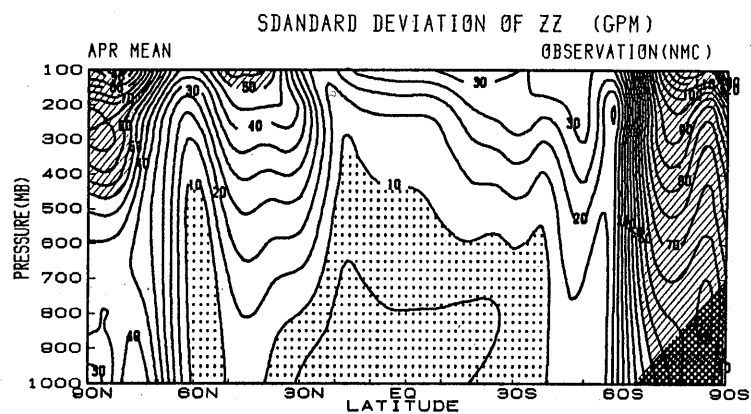
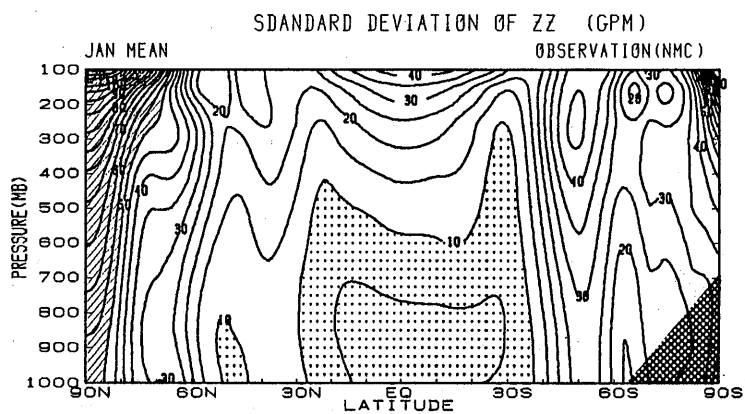


Fig. 3.7.2 Same as in Fig. 3.7.1 except for observed values.

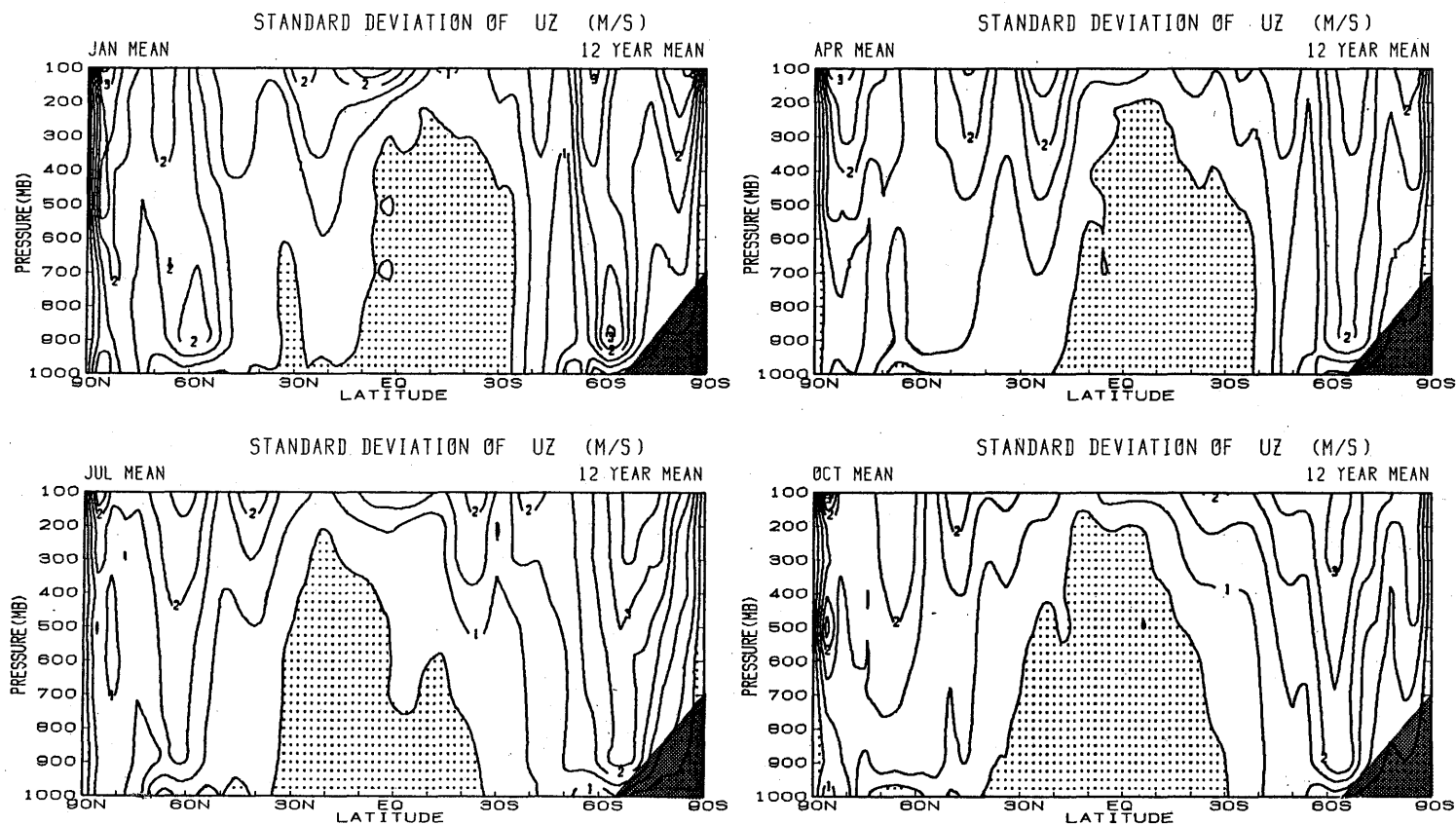


Fig. 3.7.3 Standard deviation of the zonal and monthly mean zonal wind simulated by the model. Contour interval is 0.5 m s^{-1} . Values greater than 5 m s^{-1} are shaded, those less than 0.5 m s^{-1} dotted.

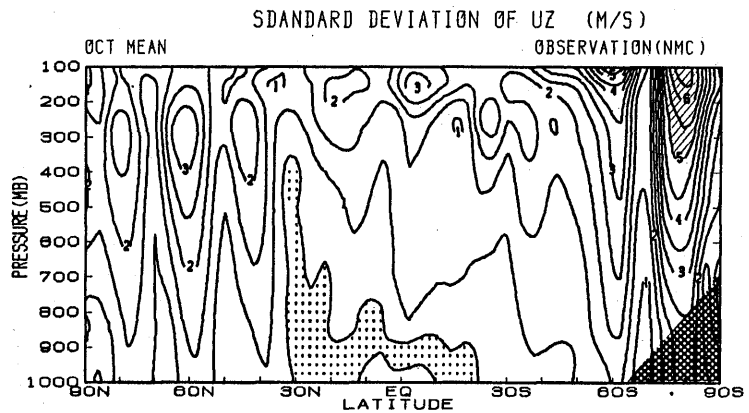
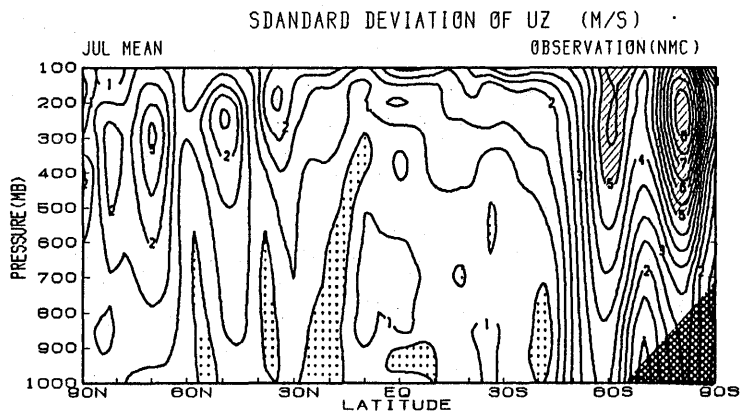
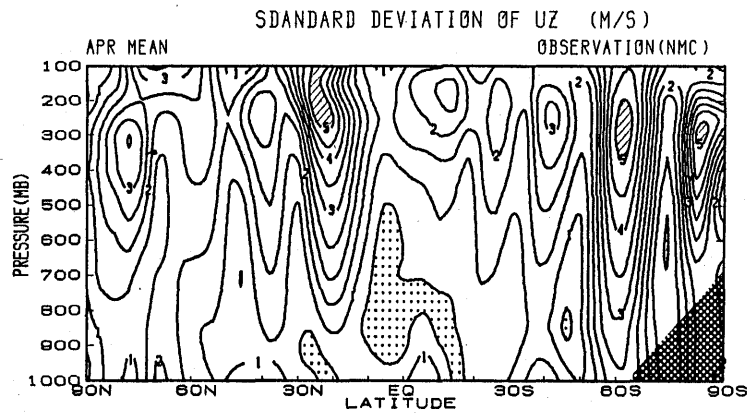
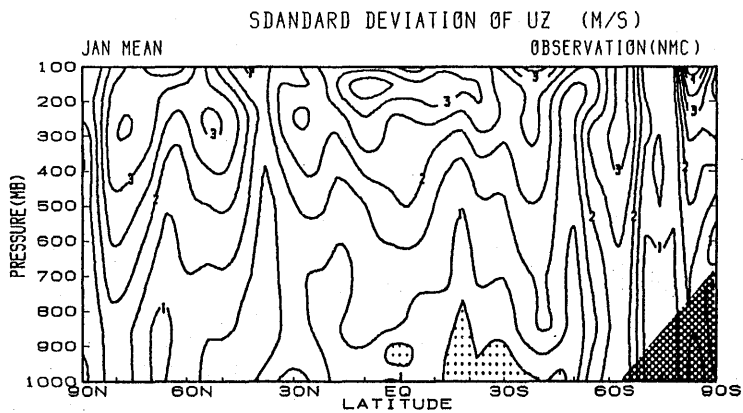


Fig. 3.7.4 Same as in Fig. 3.7.3 except for observed values.

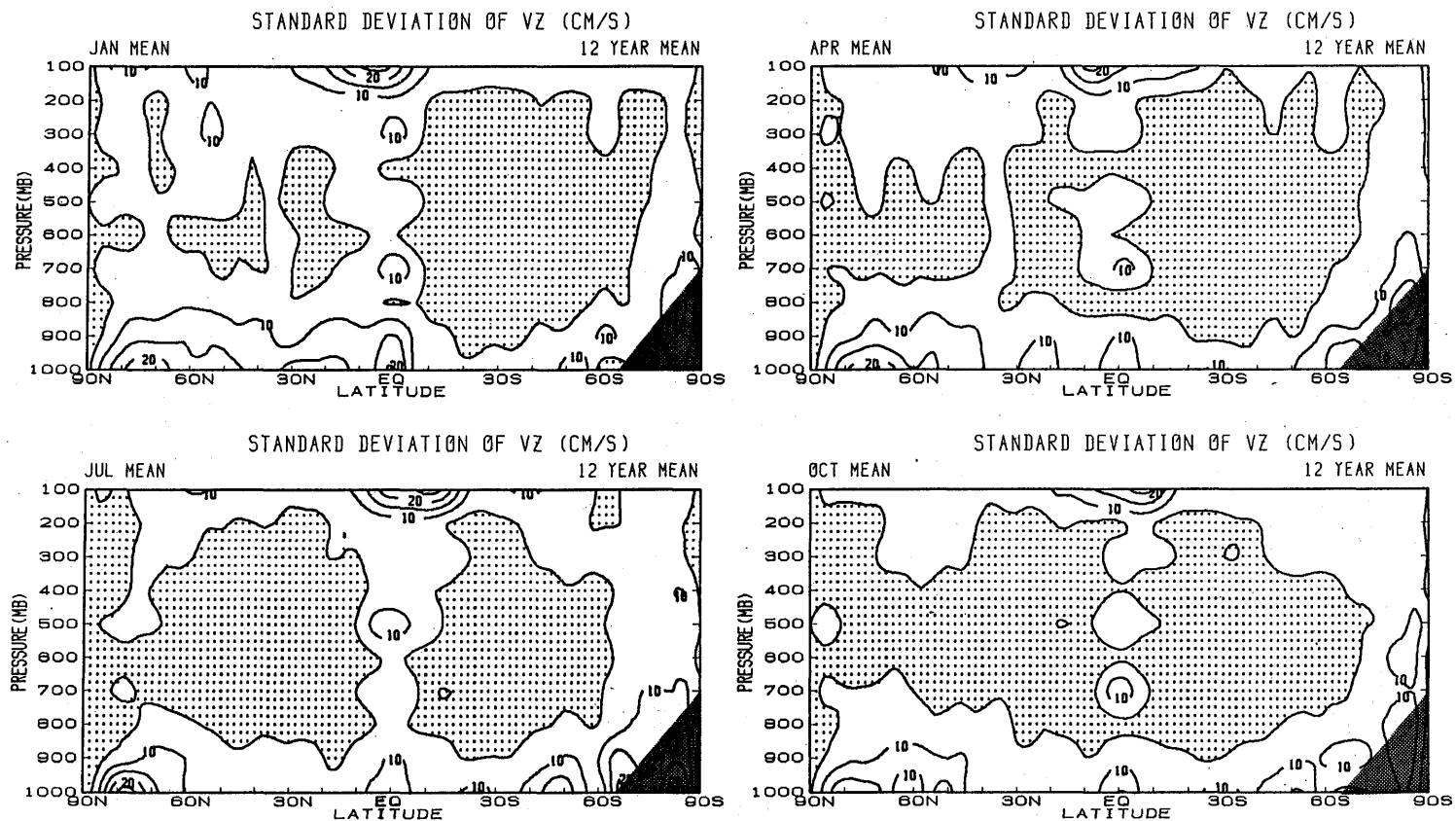


Fig. 3.7.5 Standard deviation of the zonal and monthly mean meridional wind simulated by the model. Contour interval is 5 cm s⁻¹. Values greater than 50 cm s⁻¹ are shaded, those less than 5 cm s⁻¹ dotted.

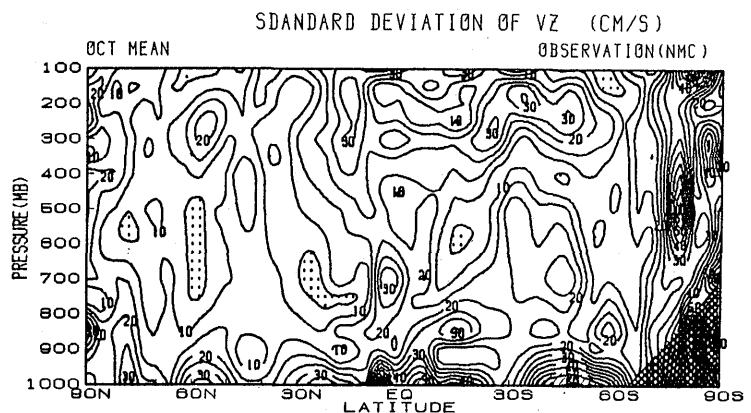
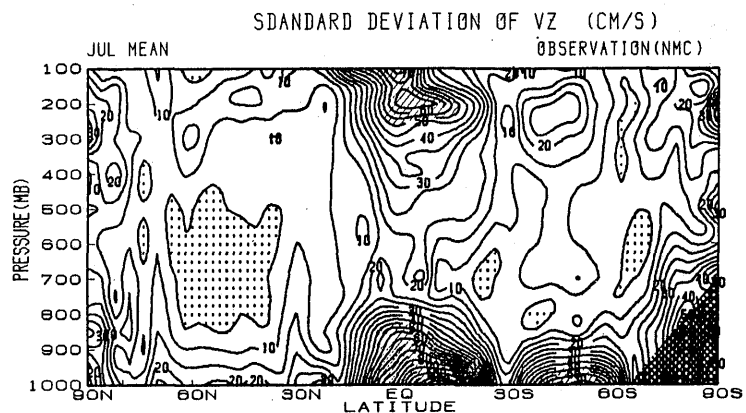
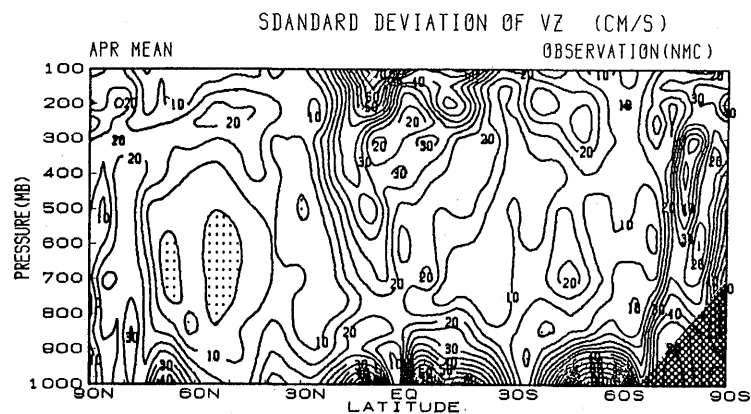
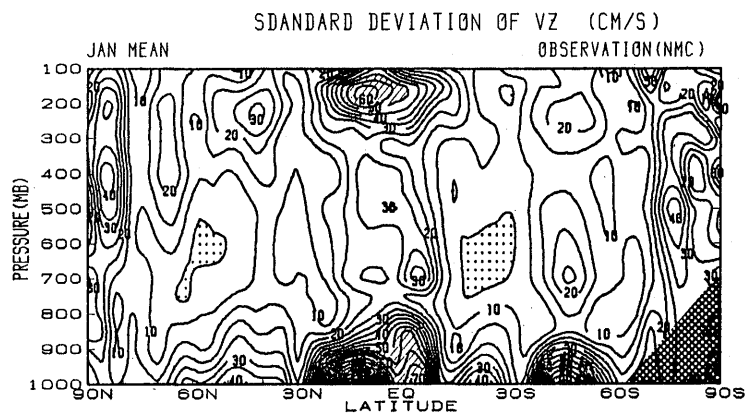


Fig. 3.7.6 Same as in Fig. 3.7.5 except for observed values.

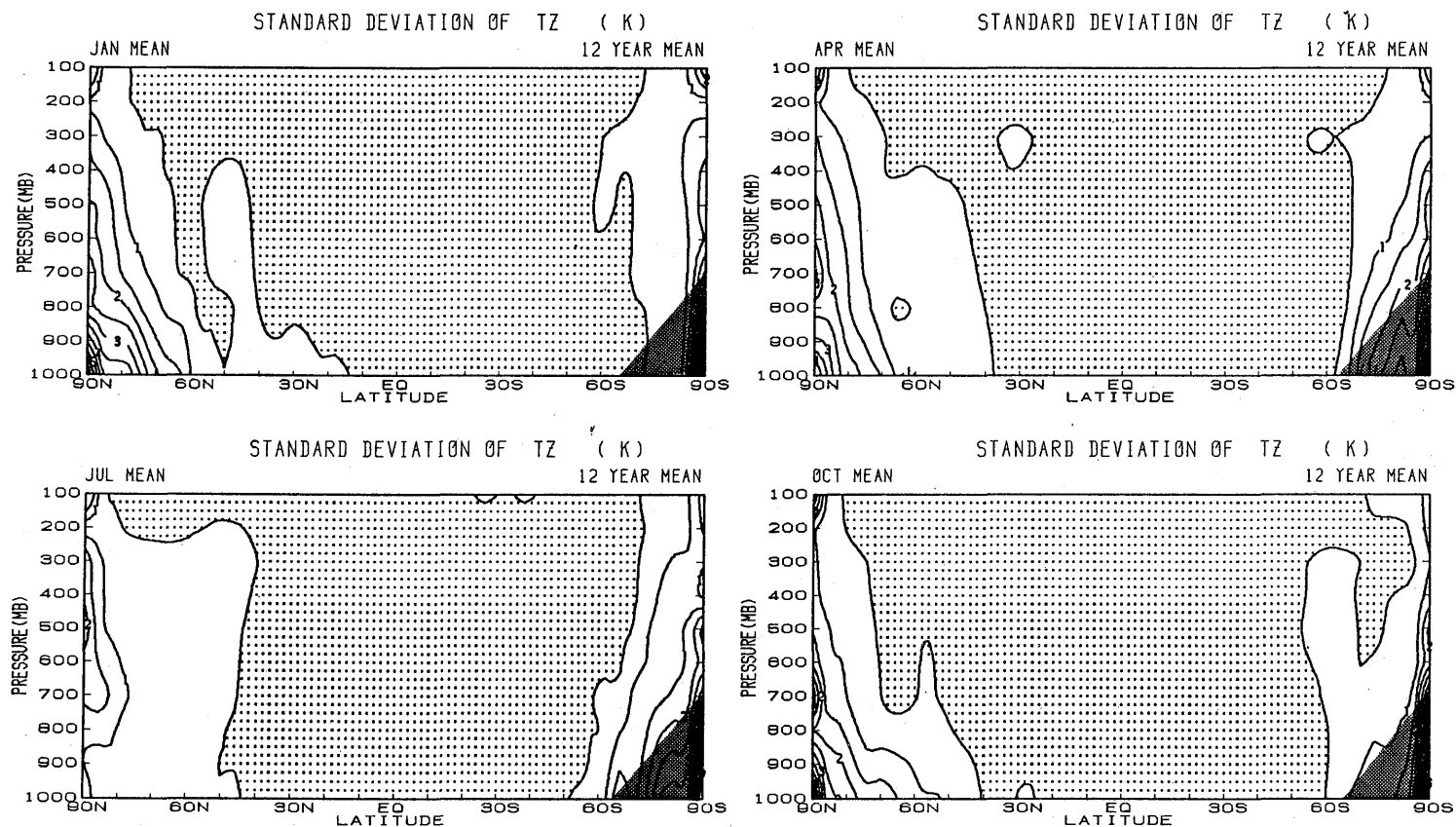


Fig. 3.7.7 Standard deviation of the zonal and monthly mean temperature simulated by the model. Contour interval is 0.5 K. Values greater than 5 K are shaded, those less than 0.5 K dotted.

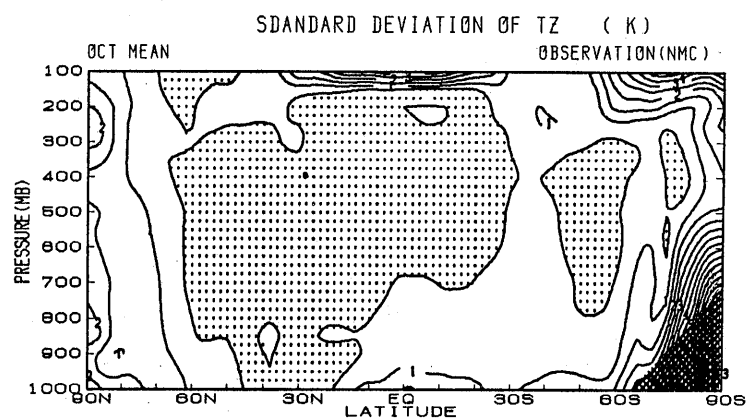
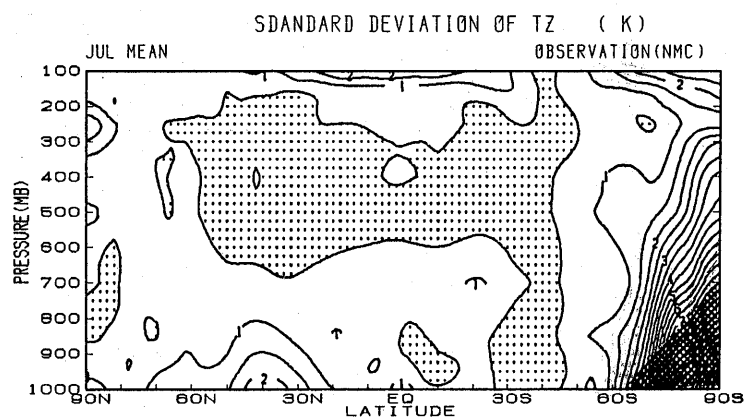
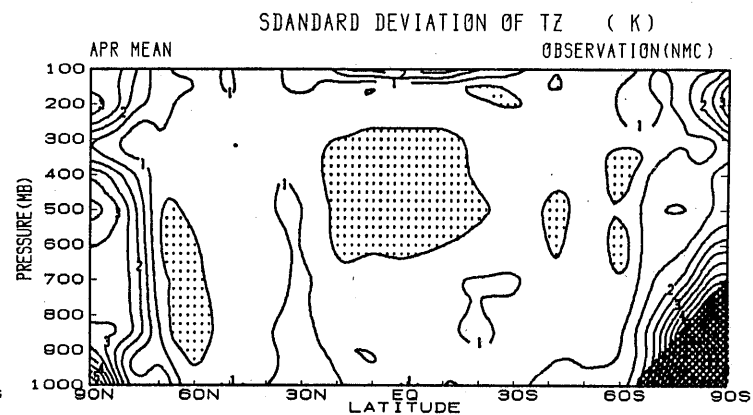
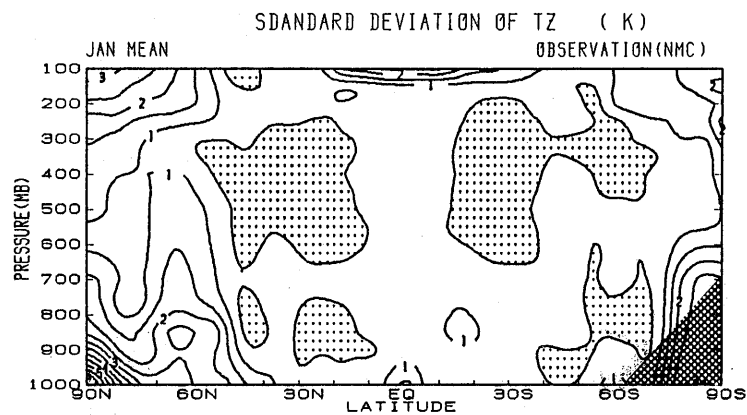


Fig. 3.7.8 Same as in Fig. 3.7.7 except for observed values.

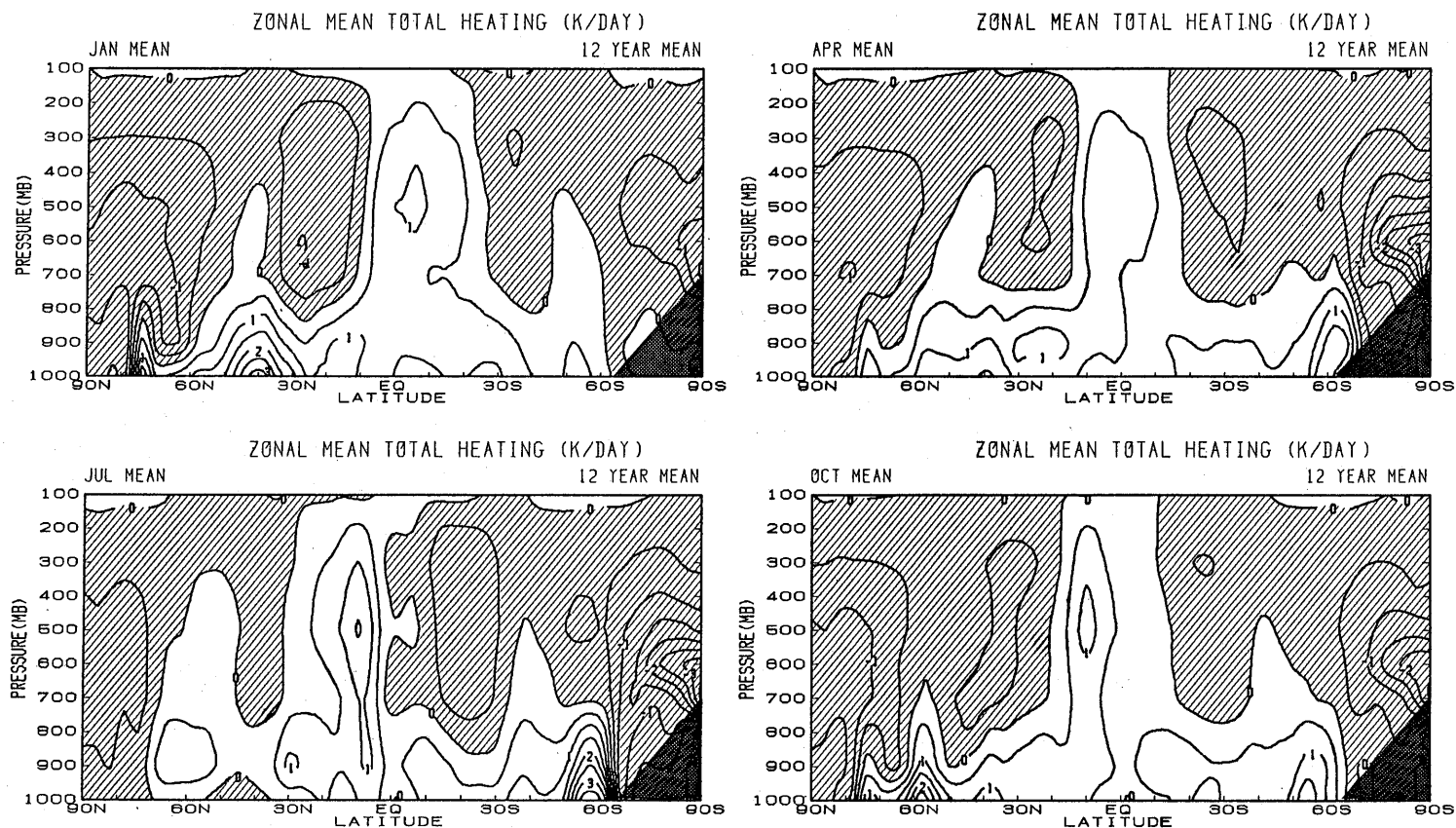


Fig. 3.8 Zonal mean diabatic heating rate simulated by the model. Contour interval is 0.5 K day^{-1} . Negative values are shaded.