

WMAP Cosmological Parameters

Model: lcdm+tens

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	$2.26 \pm 0.15$	$H_0$	$72.6 \pm 2.9$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5750_{-35}^{+36} \mu\text{K}^2$	$d_A(z_{\text{eq}})$	$14248 \pm 123$ Mpc
$d_A(z_*)$	$14083_{-124}^{+125}$ Mpc	$D_v(z=0.57)/r_s(z_d)$	$12.95 \pm 0.39$
$\eta$	$(6.34 \pm 0.18) \times 10^{-10}$	$k_{\text{eq}}$	$0.00969 \pm 0.00037$
$\ell_{\text{eq}}$	$136.4 \pm 4.2$	$\ell_*$	$302.02 \pm 0.70$
$n_b$	$(2.605 \pm 0.074) \times 10^{-7} \text{ cm}^{-3}$	$n_s$	$0.992 \pm 0.019$
$n_t$	$> -0.048$ (95% CL)	$\Omega_b$	$0.0442 \pm 0.0027$
$\Omega_b h^2$	$0.02320 \pm 0.00066$	$\Omega_c$	$0.210 \pm 0.027$
$\Omega_c h^2$	$0.1095_{-0.0055}^{+0.0054}$	$\Omega_\Lambda$	$0.746 \pm 0.029$
$\Omega_m$	$0.254 \pm 0.029$	$\Omega_m h^2$	$0.1327 \pm 0.0051$
$r$	$< 0.38$ (95% CL)	$r_s(z_d)$	$152.8 \pm 1.3$ Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.359 \pm 0.016$	$r_s(z_d)/D_v(z=0.2)$	$0.1955 \pm 0.0079$
$r_s(z_d)/D_v(z=0.35)$	$0.1170 \pm 0.0042$	$r_s(z_d)/D_v(z=0.44)$	$0.0958 \pm 0.0032$
$r_s(z_d)/D_v(z=0.54)$	$0.0808 \pm 0.0025$	$r_s(z_d)/D_v(z=0.57)$	$0.0773 \pm 0.0023$
$r_s(z_d)/D_v(z=0.6)$	$0.0742 \pm 0.0022$	$r_s(z_d)/D_v(z=0.73)$	$0.0638 \pm 0.0017$
$r_s(z_*)$	$146.5 \pm 1.3$	$R$	$1.711 \pm 0.020$
$\sigma_8$	$0.807 \pm 0.026$	$\sigma_8 \Omega_m^{0.5}$	$0.407 \pm 0.034$
$\sigma_8 \Omega_m^{0.6}$	$0.355 \pm 0.034$	$A_{\text{SZ}}$	$< 2.0$ (95% CL)
$t_0$	$13.63 \pm 0.14$ Gyr	$\tau$	$0.091 \pm 0.014$
$\theta_*$	$0.010402 \pm 0.000024$	$\theta_*$	$0.5960 \pm 0.0014$ °
$\tau_{\text{rec}}$	$286.1 \pm 2.9$	$t_{\text{reion}}$	$462_{-66}^{+65}$ Myr
$t_*$	$380278_{-5054}^{+5058}$ yr	$z_d$	$1021.5 \pm 1.3$
$z_{\text{eq}}$	$3176 \pm 122$	$z_{\text{rec}}$	$1087.33_{-0.99}^{+0.98}$
$z_{\text{reion}}$	$10.5 \pm 1.1$	$z_*$	$1089.9_{-1.2}^{+1.1}$