

WMAP Cosmological Parameters

Model: lcdm+iso+corr

Data: wmap9+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.21 \pm 0.10$	$H_0$	$73.6 \pm 1.8$ km/s/Mpc
$\alpha_{-1}$	$< 0.010$ (95% CL)	$\ell(\ell + 1)C_{220}/(2\pi)$	$5760 \pm 34$ $\mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14257 \pm 110$ Mpc	$d_A(z_*)$	$14093 \pm 111$ Mpc
$D_v(z = 0.57)/r_s(z_d)$	$12.79 \pm 0.25$	$\eta$	$(6.29 \pm 0.13) \times 10^{-10}$
$k_{\text{eq}}$	$0.00960 \pm 0.00026$	$\ell_{\text{eq}}$	$135.2 \pm 2.8$
$\ell_*$	$301.34 \pm 0.69$	$n_b$	$(2.583 \pm 0.051) \times 10^{-7}$ $\text{cm}^{-3}$
$n_s$	$0.994 \pm 0.013$	$\Omega_b$	$0.0425 \pm 0.0018$
$\Omega_b h^2$	$0.02300 \pm 0.00046$	$\Omega_c$	$0.201 \pm 0.016$
$\Omega_c h^2$	$0.1085 \pm 0.0036$	$\Omega_\Lambda$	$0.756 \pm 0.018$
$\Omega_m$	$0.244 \pm 0.018$	$\Omega_m h^2$	$0.1315 \pm 0.0036$
$r_s(z_d)$	$153.4 \pm 1.2$ Mpc	$r_s(z_d)/D_v(z = 0.106)$	$0.365 \pm 0.010$
$r_s(z_d)/D_v(z = 0.2)$	$0.1985 \pm 0.0051$	$r_s(z_d)/D_v(z = 0.35)$	$0.1186 \pm 0.0027$
$r_s(z_d)/D_v(z = 0.44)$	$0.0971 \pm 0.0021$	$r_s(z_d)/D_v(z = 0.54)$	$0.0817 \pm 0.0016$
$r_s(z_d)/D_v(z = 0.57)$	$0.0782 \pm 0.0015$	$r_s(z_d)/D_v(z = 0.6)$	$0.0750 \pm 0.0014$
$r_s(z_d)/D_v(z = 0.73)$	$0.0644 \pm 0.0011$	$r_s(z_*)$	$146.9 \pm 1.0$
$R$	$1.704 \pm 0.013$	$\sigma_8$	$0.806 \pm 0.022$
$\sigma_8 \Omega_m^{0.5}$	$0.398 \pm 0.023$	$\sigma_8 \Omega_m^{0.6}$	$0.346 \pm 0.022$
$A_{\text{SZ}}$	$< 2.0$ (95% CL)	$t_0$	$13.58^{+0.10}_{-0.11}$ Gyr
$\tau$	$0.088 \pm 0.013$	$\theta_*$	$0.010425 \pm 0.000024$
$\theta_*$	$0.5973 \pm 0.0014$ $^\circ$	$\tau_{\text{rec}}$	$286.7 \pm 2.0$
$t_{\text{reion}}$	$478^{+68}_{-69}$ Myr	$t_*$	$381221^{+3420}_{-3425}$ yr
$z_d$	$1021.0 \pm 1.1$	$z_{\text{eq}}$	$3147 \pm 87$
$z_{\text{rec}}$	$1087.44 \pm 0.68$	$z_{\text{reion}}$	$10.3 \pm 1.1$
$z_*$	$1090.04^{+0.68}_{-0.67}$		