

WMAP Cosmological Parameters

Model:  $\Lambda$ cdm

Data: wmap9+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.427^{+0.078}_{-0.079}$	$H_0$	$69.33 \pm 0.88$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5746 \pm 33$ $\mu\text{K}^2$	$d_A(z_{\text{eq}})$	$14143 \pm 93$ Mpc
$d_A(z_*)$	$13977 \pm 94$ Mpc	$D_v(z=0.57)/r_s(z_d)$	$13.39 \pm 0.12$
$\eta$	$(6.20 \pm 0.12) \times 10^{-10}$	$k_{\text{eq}}$	$0.01010 \pm 0.00018$
$\ell_{\text{eq}}$	$141.1 \pm 1.7$	$\ell_*$	$302.33 \pm 0.59$
$n_b$	$(2.545 \pm 0.048) \times 10^{-7}$ $\text{cm}^{-3}$	$n_s$	$0.971 \pm 0.010$
$\Omega_b$	$0.0472 \pm 0.0010$	$\Omega_b h^2$	$0.02266 \pm 0.00043$
$\Omega_c$	$0.2408^{+0.0093}_{-0.0092}$	$\Omega_c h^2$	$0.1157 \pm 0.0023$
$\Omega_\Lambda$	$0.712 \pm 0.010$	$\Omega_m$	$0.288 \pm 0.010$
$\Omega_m h^2$	$0.1383 \pm 0.0025$	$r_s(z_d)$	$151.68 \pm 0.92$ Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.3416 \pm 0.0044$	$r_s(z_d)/D_v(z=0.2)$	$0.1866^{+0.0022}_{-0.0023}$
$r_s(z_d)/D_v(z=0.35)$	$0.1123 \pm 0.0012$	$r_s(z_d)/D_v(z=0.44)$	$0.09224 \pm 0.00091$
$r_s(z_d)/D_v(z=0.54)$	$0.07795^{+0.00070}_{-0.00071}$	$r_s(z_d)/D_v(z=0.57)$	$0.07467 \pm 0.00066$
$r_s(z_d)/D_v(z=0.6)$	$0.07173 \pm 0.00062$	$r_s(z_d)/D_v(z=0.73)$	$0.06186 \pm 0.00048$
$r_s(z_*)$	$145.24 \pm 0.76$	$R$	$1.7338 \pm 0.0061$
$\sigma_8$	$0.830 \pm 0.018$	$\sigma_8 \Omega_m^{0.5}$	$0.445 \pm 0.015$
$\sigma_8 \Omega_m^{0.6}$	$0.393 \pm 0.014$	$A_{\text{SZ}}$	$< 2.0$ (95% CL)
$t_0$	$13.750 \pm 0.085$ Gyr	$\tau$	$0.088 \pm 0.013$
$\theta_*$	$0.010391 \pm 0.000020$	$\theta_*$	$0.5954 \pm 0.0012$ $^\circ$
$\tau_{\text{rec}}$	$282.9 \pm 1.3$	$t_{\text{reion}}$	$452^{+63}_{-64}$ Myr
$t_*$	$374612^{+2092}_{-2088}$ yr	$z_d$	$1020.9 \pm 1.1$
$z_{\text{eq}}$	$3311 \pm 59$	$z_{\text{rec}}$	$1088.26^{+0.61}_{-0.62}$
$z_{\text{reion}}$	$10.5 \pm 1.1$	$z_*$	$1091.09^{+0.55}_{-0.54}$