

WMAP Cosmological Parameters

Model: owcdm

Data: wmap9+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.42^{+0.12}_{-0.11}$	$H_0$	$73.4^{+2.3}_{-2.4}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5746 \pm 34 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	$14178^{+118}_{-114}$ Mpc
$d_A(z_*)$	$14016^{+119}_{-114}$ Mpc	$D_v(z=0.57)/r_s(z_d)$	$13.6^{+1.2}_{-1.0}$
$\eta$	$(6.18^{+0.16}_{-0.15}) \times 10^{-10}$	$k_{\text{eq}}$	$0.01000^{+0.00031}_{-0.00032}$
$\ell_{\text{eq}}$	$140.1^{+3.5}_{-3.4}$	$\ell_*$	$302.37^{+0.67}_{-0.66}$
$n_b$	$(2.539^{+0.064}_{-0.060}) \times 10^{-7} \text{ cm}^{-3}$	$n_s$	$0.971^{+0.014}_{-0.015}$
$\Omega_b h^2$	$0.02261^{+0.00057}_{-0.00054}$	$\Omega_c h^2$	$0.1144^{+0.0045}_{-0.0044}$
$\Omega_k$	$-0.003^{+0.014}_{-0.015}$	$\Omega_k$	$-0.029 < \Omega_k < 0.030$ (95% CL)
$\Omega_\Lambda$	$0.748^{+0.021}_{-0.022}$	$\Omega_m h^2$	$0.1370^{+0.0042}_{-0.0044}$
$\Omega_{\text{tot}}$	$1.003^{+0.015}_{-0.014}$	$\Omega_{\text{tot}}$	$0.97 < \Omega_{\text{tot}} < 1.03$ (95% CL)
$r_s(z_d)$	$152.1^{+1.3}_{-1.2}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.354^{+0.014}_{-0.015}$
$r_s(z_d)/D_v(z=0.2)$	$0.1906^{+0.0100}_{-0.0113}$	$r_s(z_d)/D_v(z=0.35)$	$0.1128^{+0.0076}_{-0.0087}$
$r_s(z_d)/D_v(z=0.44)$	$0.0920^{+0.0067}_{-0.0076}$	$r_s(z_d)/D_v(z=0.54)$	$0.0774^{+0.0059}_{-0.0067}$
$r_s(z_d)/D_v(z=0.57)$	$0.0741^{+0.0056}_{-0.0065}$	$r_s(z_d)/D_v(z=0.6)$	$0.0711^{+0.0054}_{-0.0063}$
$r_s(z_d)/D_v(z=0.73)$	$0.0611^{+0.0047}_{-0.0054}$	$r_s(z_*)$	$145.6^{+1.2}_{-1.1}$
$R$	$1.730 \pm 0.016$	$\sigma_8$	$0.880^{+0.103}_{-0.093}$
$\sigma_8 \Omega_m^{0.5}$	$0.444^{+0.056}_{-0.049}$	$\sigma_8 \Omega_m^{0.6}$	$0.387^{+0.050}_{-0.044}$
$A_{\text{SZ}}$	$< 2.0$ (95% CL)	$t_0$	$13.94^{+0.83}_{-0.76}$ Gyr
$\tau$	$0.089 \pm 0.014$	$\theta_*$	$0.010390 \pm 0.000023$
$\theta_*$	$0.5953 \pm 0.0013^\circ$	$\tau_{\text{rec}}$	$283.6 \pm 2.3$
$t_{\text{reion}}$	$453^{+63}_{-66}$ Myr	$t_*$	$375815^{+4047}_{-4059}$ yr
$w$	$-1.29^{+0.38}_{-0.45}$	$z_d$	$1020.7^{+1.2}_{-1.1}$
$z_{\text{eq}}$	$3279^{+101}_{-105}$	$z_{\text{rec}}$	$1088.26 \pm 0.85$
$z_{\text{reion}}$	$10.6 \pm 1.1$	$z_*$	$1091.06^{+0.93}_{-0.94}$