

WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	2.41 ± 0.10	H_0	70.1 ± 2.2 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5747 ± 35 μK^2	$d_A(z_{\text{eq}})$	14187_{-193}^{+191} Mpc
$d_A(z_*)$	14021_{-195}^{+193} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.28 ± 0.32
η	$(6.19 \pm 0.14) \times 10^{-10}$	k_{eq}	$0.00997_{-0.00044}^{+0.00045}$
ℓ_{eq}	139.8 ± 4.4	ℓ_*	302.3 ± 1.3
n_b	$(2.543 \pm 0.057) \times 10^{-7}$ cm^{-3}	n_s	0.973 ± 0.016
Ω_b	0.0462 ± 0.0024	$\Omega_b h^2$	0.02265 ± 0.00051
Ω_c	0.233 ± 0.026	$\Omega_c h^2$	$0.1140_{-0.0062}^{+0.0063}$
Ω_Λ	0.720 ± 0.028	Ω_m	0.280 ± 0.028
$\Omega_m h^2$	0.1366 ± 0.0061	$r_s(z_d)$	152.2 ± 1.7 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.346 ± 0.012	$r_s(z_d)/D_v(z=0.2)$	0.1890 ± 0.0063
$r_s(z_d)/D_v(z=0.35)$	0.1135 ± 0.0033	$r_s(z_d)/D_v(z=0.44)$	0.0932 ± 0.0025
$r_s(z_d)/D_v(z=0.54)$	0.0787 ± 0.0020	$r_s(z_d)/D_v(z=0.57)$	0.0754 ± 0.0018
$r_s(z_d)/D_v(z=0.6)$	0.0724 ± 0.0017	$r_s(z_d)/D_v(z=0.73)$	0.0624 ± 0.0013
$r_s(z_*)$	145.7 ± 1.6	R	1.728 ± 0.018
σ_8	0.823 ± 0.042	$\sigma_8 \Omega_m^{0.5}$	0.435 ± 0.040
$\sigma_8 \Omega_m^{0.6}$	0.383 ± 0.039	A_{SZ}	< 2.0 (95% CL)
t_0	13.73 ± 0.14 Gyr	τ	0.089 ± 0.014
θ_*	0.010393 ± 0.000044	θ_*	0.5955 ± 0.0025 $^\circ$
τ_{rec}	$283.8_{-3.9}^{+3.8}$	t_{reion}	455_{-82}^{+81} Myr
t_*	376236_{-5677}^{+5637} yr	Y_{He}	< 0.42 (95% CL)
z_d	1020.7 ± 1.1	z_{eq}	3271_{-145}^{+146}
z_{reion}	10.6 ± 1.3	z_*	$1090.97_{-0.98}^{+0.99}$