

WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.452 ± 0.082	H_0	$68.69^{+0.95}_{-0.94}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5739 \pm 33 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14119^{+164}_{-165} Mpc
$d_A(z_*)$	13952^{+165}_{-166} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.48 ± 0.13
η	$(6.15 \pm 0.12) \times 10^{-10}$	k_{eq}	0.01019 ± 0.00030
ℓ_{eq}	142.2 ± 2.6	ℓ_*	302.3 ± 1.3
n_b	$(2.525 \pm 0.049) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.969 ± 0.015
Ω_b	0.0477 ± 0.0011	$\Omega_b h^2$	0.02248 ± 0.00044
Ω_c	0.248 ± 0.012	$\Omega_c h^2$	0.1172 ± 0.0041
Ω_Λ	0.704 ± 0.012	Ω_m	0.296 ± 0.012
$\Omega_m h^2$	0.1396 ± 0.0041	$r_s(z_d)$	151.5 ± 1.3 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3383 ± 0.0048	$r_s(z_d)/D_v(z=0.2)$	0.1850 ± 0.0024
$r_s(z_d)/D_v(z=0.35)$	0.1114 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	0.09158 ± 0.00096
$r_s(z_d)/D_v(z=0.54)$	0.07745 ± 0.00074	$r_s(z_d)/D_v(z=0.57)$	0.07420 ± 0.00069
$r_s(z_d)/D_v(z=0.6)$	0.07129 ± 0.00065	$r_s(z_d)/D_v(z=0.73)$	0.06153 ± 0.00050
$r_s(z_*)$	145.0 ± 1.1	R	1.7386 ± 0.0073
σ_8	0.837 ± 0.037	$\sigma_8 \Omega_m^{0.5}$	$0.456^{+0.027}_{-0.026}$
$\sigma_8 \Omega_m^{0.6}$	0.404 ± 0.025	A_{SZ}	< 2.0 (95% CL)
t_0	13.77 ± 0.14 Gyr	τ	0.086 ± 0.013
θ_*	0.010393 ± 0.000046	θ_*	$0.5955^{+0.0027}_{-0.0026} \text{ }^\circ$
τ_{rec}	282.0 ± 2.8	t_{reion}	450^{+81}_{-82} Myr
t_*	373325^{+3624}_{-3641} yr	Y_{He}	< 0.43 (95% CL)
z_d	1020.6 ± 1.1	z_{eq}	3343 ± 99
z_{reion}	10.6 ± 1.4	z_*	$1091.47^{+0.65}_{-0.66}$