

WMAP Cosmological Parameters

Model: wcdm+mnu

Data: wmap9+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.472^{+0.090}_{-0.091}$	H_0	72.6 ± 2.1 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5750^{+37}_{-36} \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14150^{+105}_{-104} Mpc
$d_A(z_*)$	13984^{+106}_{-105} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.63 ± 0.16
η	$(6.11 \pm 0.13) \times 10^{-10}$	k_{eq}	$0.01010^{+0.00027}_{-0.00026}$
ℓ_{eq}	$141.2^{+2.8}_{-2.7}$	ℓ_*	302.40 ± 0.64
$\sum m_\nu$	< 0.86 eV (95% CL)	n_b	$(2.509^{+0.052}_{-0.053}) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.964 ± 0.012	Ω_b	0.0425 ± 0.0027
$\Omega_b h^2$	$0.02234^{+0.00046}_{-0.00047}$	Ω_c	0.220 ± 0.013
$\Omega_c h^2$	$0.1159^{+0.0037}_{-0.0036}$	Ω_Λ	0.728 ± 0.014
Ω_m	0.272 ± 0.014	$\Omega_m h^2$	0.1431 ± 0.0032
$\Omega_\nu h^2$	< 0.0091 (95% CL)	$r_s(z_d)$	151.8 ± 1.1 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3506 ± 0.0066	$r_s(z_d)/D_v(z=0.2)$	$0.1888^{+0.0027}_{-0.0026}$
$r_s(z_d)/D_v(z=0.35)$	0.1117 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	0.0912 ± 0.0010
$r_s(z_d)/D_v(z=0.54)$	$0.07670^{+0.00089}_{-0.00091}$	$r_s(z_d)/D_v(z=0.57)$	$0.07339^{+0.00086}_{-0.00088}$
$r_s(z_d)/D_v(z=0.6)$	$0.07043^{+0.00083}_{-0.00084}$	$r_s(z_d)/D_v(z=0.73)$	$0.06058^{+0.00072}_{-0.00073}$
$r_s(z_*)$	145.28 ± 0.97	R	1.764 ± 0.012
σ_8	0.793 ± 0.060	$\sigma_8 \Omega_m^{0.5}$	$0.413^{+0.032}_{-0.031}$
$\sigma_8 \Omega_m^{0.6}$	$0.363^{+0.029}_{-0.028}$	A_{SZ}	< 2.0 (95% CL)
t_0	13.90 ± 0.12 Gyr	τ	0.087 ± 0.013
θ_*	0.010389 ± 0.000022	θ_*	$0.5952 \pm 0.0013^\circ$
τ_{rec}	282.6 ± 1.8	t_{reion}	441 ± 62 Myr
t_*	373845^{+3010}_{-3043} yr	w	-1.29 ± 0.14
z_d	1020.2 ± 1.1	z_{eq}	3308^{+89}_{-87}
z_{rec}	1088.68 ± 0.69	z_{reion}	10.6 ± 1.1
z_*	1091.54 ± 0.69		