

WMAP Cosmological Parameters

Model: lcdm+mnv

Data: wmap9+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	$2.398^{+0.083}_{-0.084}$	H_0	68.2 ± 1.0 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5751 \pm 34 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14216 ± 101 Mpc
$d_A(z_*)$	14051 ± 102 Mpc	$D_v(z=0.57)/r_s(z_d)$	13.47 ± 0.13
η	$(6.18 \pm 0.12) \times 10^{-10}$	k_{eq}	0.00988 ± 0.00023
ℓ_{eq}	$138.8^{+2.3}_{-2.4}$	ℓ_*	302.31 ± 0.62
$\sum m_\nu$	< 0.53 eV (95% CL)	n_b	$(2.540 \pm 0.050) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.973 ± 0.011	Ω_b	0.0486 ± 0.0014
$\Omega_b h^2$	0.02262 ± 0.00045	Ω_c	0.2421 ± 0.0096
$\Omega_c h^2$	0.1127 ± 0.0031	Ω_Λ	0.704 ± 0.011
Ω_m	0.296 ± 0.011	$\Omega_m h^2$	0.1378 ± 0.0025
$\Omega_\nu h^2$	< 0.0056 (95% CL)	$r_s(z_d)$	$152.5^{+1.1}_{-1.0}$ Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3384 ± 0.0047	$r_s(z_d)/D_v(z=0.2)$	0.1850 ± 0.0024
$r_s(z_d)/D_v(z=0.35)$	0.1115 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	0.09161 ± 0.00096
$r_s(z_d)/D_v(z=0.54)$	0.07747 ± 0.00074	$r_s(z_d)/D_v(z=0.57)$	0.07422 ± 0.00069
$r_s(z_d)/D_v(z=0.6)$	0.07131 ± 0.00065	$r_s(z_d)/D_v(z=0.73)$	0.06155 ± 0.00050
$r_s(z_*)$	146.02 ± 0.90	R	1.7399 ± 0.0067
σ_8	$0.763^{+0.048}_{-0.050}$	$\sigma_8 \Omega_m^{0.5}$	0.415 ± 0.026
$\sigma_8 \Omega_m^{0.6}$	$0.368^{+0.023}_{-0.024}$	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.25 ± 0.11	A_{SZ}	< 2.0 (95% CL)
t_0	13.86 ± 0.11 Gyr	τ	0.089 ± 0.013
θ_*	0.010392 ± 0.000021	θ_*	$0.5954 \pm 0.0012^\circ$
τ_{rec}	284.4 ± 1.6	t_{reion}	446^{+63}_{-64} Myr
t_*	377136^{+2720}_{-2701} yr	z_d	1020.5 ± 1.1
z_{eq}	3238 ± 76	z_{rec}	$1088.12^{+0.65}_{-0.64}$
z_{reion}	10.7 ± 1.1	z_*	1090.89 ± 0.62