

WMAP Cosmological Parameters

Model: Λ CDM

Data: wmap9+snls3+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	2.389 ± 0.096	H_0	69.32 ± 0.98 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5754 \pm 35 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14188_{-111}^{+110} Mpc
$d_A(z_*)$	14025 ± 114 Mpc	$D_v(z=0.57)/r_s(z_d)$	13.39 ± 0.13
η	$(6.23 \pm 0.13) \times 10^{-10}$	k_{eq}	0.00993 ± 0.00030
ℓ_{eq}	139.2 ± 3.2	ℓ_*	$302.20_{-0.63}^{+0.64}$
n_b	$(2.560_{-0.053}^{+0.054}) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.976 ± 0.012
Ω_b	0.0475 ± 0.0015	$\Omega_b h^2$	0.02280 ± 0.00048
Ω_c	$0.2357_{-0.0098}^{+0.0097}$	$\Omega_c h^2$	0.1132 ± 0.0042
Ω_k	-0.0022 ± 0.0042	Ω_k	$-0.0105 < \Omega_k < 0.0063$ (95% CL)
Ω_Λ	0.719 ± 0.012	Ω_m	0.283 ± 0.010
$\Omega_m h^2$	0.1360 ± 0.0041	Ω_{tot}	1.0022 ± 0.0042
Ω_{tot}	$0.99 < \Omega_{\text{tot}} < 1.01$ (95% CL)	$r_s(z_d)$	152.2 ± 1.2 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3426 ± 0.0044	$r_s(z_d)/D_v(z=0.2)$	0.1871 ± 0.0023
$r_s(z_d)/D_v(z=0.35)$	0.1124 ± 0.0012	$r_s(z_d)/D_v(z=0.44)$	$0.09233_{-0.00097}^{+0.00096}$
$r_s(z_d)/D_v(z=0.54)$	0.07799 ± 0.00077	$r_s(z_d)/D_v(z=0.57)$	0.07470 ± 0.00072
$r_s(z_d)/D_v(z=0.6)$	0.07174 ± 0.00069	$r_s(z_d)/D_v(z=0.73)$	0.06185 ± 0.00056
$r_s(z_*)$	145.8 ± 1.1	R	1.725 ± 0.014
σ_8	0.819 ± 0.023	$\sigma_8 \Omega_m^{0.5}$	0.436 ± 0.018
$\sigma_8 \Omega_m^{0.6}$	0.384 ± 0.017	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.25 ± 0.11	A_{SZ}	< 2.0 (95% CL)
t_0	13.83 ± 0.18 Gyr	τ	0.090 ± 0.014
θ_*	0.010396 ± 0.000022	θ_*	$0.5956_{-0.0013}^{+0.0012} \text{ }^\circ$
τ_{rec}	284.2 ± 2.2	t_{reion}	450 ± 64 Myr
t_*	376867_{-3792}^{+3780} yr	z_d	1021.0 ± 1.1
z_{eq}	3255 ± 98	z_{rec}	$1087.96_{-0.75}^{+0.74}$
z_{reion}	10.7 ± 1.1	z_*	1090.71 ± 0.78