

WMAP Cosmological Parameters

Model: lcdm

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	2.41 ± 0.10	H_0	70.0 ± 2.2 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5746 \pm 35 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14194 ± 117 Mpc
$d_A(z_*)$	14029 ± 119 Mpc	$D_v(z=0.57)/r_s(z_d)$	13.28 ± 0.31
η	$(6.19 \pm 0.14) \times 10^{-10}$	k_{eq}	0.00996 ± 0.00032
ℓ_{eq}	139.7 ± 3.5	ℓ_*	302.35 ± 0.65
n_b	$(2.542 \pm 0.056) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.972 ± 0.013
Ω_b	0.0463 ± 0.0024	$\Omega_b h^2$	0.02264 ± 0.00050
Ω_c	0.233 ± 0.023	$\Omega_c h^2$	0.1138 ± 0.0045
Ω_Λ	0.721 ± 0.025	Ω_m	0.279 ± 0.025
$\Omega_m h^2$	0.1364 ± 0.0044	$r_s(z_d)$	152.3 ± 1.3 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.346 ± 0.012	$r_s(z_d)/D_v(z=0.2)$	0.1889 ± 0.0060
$r_s(z_d)/D_v(z=0.35)$	0.1135 ± 0.0032	$r_s(z_d)/D_v(z=0.44)$	0.0932 ± 0.0024
$r_s(z_d)/D_v(z=0.54)$	0.0787 ± 0.0019	$r_s(z_d)/D_v(z=0.57)$	$0.0753^{+0.0017}_{-0.0018}$
$r_s(z_d)/D_v(z=0.6)$	0.0724 ± 0.0016	$r_s(z_d)/D_v(z=0.73)$	0.0624 ± 0.0013
$r_s(z_*)$	145.8 ± 1.2	R	1.728 ± 0.016
σ_8	0.821 ± 0.023	$\sigma_8 \Omega_m^{0.5}$	0.434 ± 0.029
$\sigma_8 \Omega_m^{0.6}$	0.382 ± 0.029	A_{SZ}	< 2.0 (95% CL)
t_0	13.74 ± 0.11 Gyr	τ	0.089 ± 0.014
θ_*	0.010391 ± 0.000022	θ_*	0.5953 ± 0.0013 °
τ_{rec}	283.9 ± 2.4	t_{reion}	453^{+63}_{-64} Myr
t_*	376371^{+4115}_{-4111} yr	z_d	1020.7 ± 1.1
z_{eq}	3265^{+106}_{-105}	z_{rec}	1088.16 ± 0.79
z_{reion}	10.6 ± 1.1	z_*	$1090.97^{+0.85}_{-0.86}$