

WMAP Cosmological Parameters

Model: Λ cdm

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	$2.409^{+0.096}_{-0.095}$	H_0	68.2 ± 1.1 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5749 ± 35 μK^2	$d_A(z_{\text{eq}})$	14198 ± 113 Mpc
$d_A(z_*)$	14035^{+117}_{-116} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.54 ± 0.14
η	$(6.19 \pm 0.13) \times 10^{-10}$	k_{eq}	0.00994 ± 0.00031
ℓ_{eq}	$139.5^{+3.3}_{-3.2}$	ℓ_*	$302.36^{+0.65}_{-0.64}$
n_b	$(2.541 \pm 0.053) \times 10^{-7}$ cm^{-3}	n_s	0.972 ± 0.012
$\Omega_b h^2$	0.02263 ± 0.00047	$\Omega_c h^2$	0.1136 ± 0.0043
Ω_Λ	0.711 ± 0.013	$\Omega_m h^2$	0.1362 ± 0.0042
$r_s(z_d)$	152.3 ± 1.2 Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.3375^{+0.0047}_{-0.0048}$
$r_s(z_d)/D_v(z=0.2)$	$0.1845^{+0.0024}_{-0.0025}$	$r_s(z_d)/D_v(z=0.35)$	0.1110 ± 0.0013
$r_s(z_d)/D_v(z=0.44)$	0.0912 ± 0.0010	$r_s(z_d)/D_v(z=0.54)$	0.07712 ± 0.00083
$r_s(z_d)/D_v(z=0.57)$	0.07388 ± 0.00078	$r_s(z_d)/D_v(z=0.6)$	0.07097 ± 0.00074
$r_s(z_d)/D_v(z=0.73)$	0.06124 ± 0.00060	$r_s(z_*)$	145.8 ± 1.1
R	$1.727^{+0.015}_{-0.014}$	σ_8	$0.818^{+0.023}_{-0.024}$
$\sigma_8 \Omega_m^{0.5}$	0.443 ± 0.018	$\sigma_8 \Omega_m^{0.6}$	0.392 ± 0.017
A_{SZ}	< 2.0 (95% CL)	t_0	13.93 ± 0.19 Gyr
τ	0.089 ± 0.013	θ_*	0.010390 ± 0.000022
θ_*	0.5953 ± 0.0013 $^\circ$	τ_{rec}	$284.1^{+2.3}_{-2.2}$
t_{reion}	455^{+63}_{-64} Myr	t_*	376571^{+3876}_{-3905} yr
z_d	1020.7 ± 1.1	z_{eq}	3260 ± 100
z_{rec}	$1088.15^{+0.75}_{-0.74}$	z_{reion}	10.6 ± 1.1
z_*	$1090.96^{+0.78}_{-0.79}$		