

WMAP Cosmological Parameters

Model: owcdm

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.42 ± 0.11	H_0	$69.2^{+3.4}_{-3.6}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5749 \pm 35 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14185 ± 110 Mpc
$d_A(z_*)$	14022^{+117}_{-110} Mpc	$D_v(z=0.57)/r_s(z_d)$	$13.57^{+0.19}_{-0.17}$
η	$(6.19^{+0.14}_{-0.13}) \times 10^{-10}$	k_{eq}	0.00997 ± 0.00031
ℓ_{eq}	$139.8^{+3.3}_{-3.5}$	ℓ_*	$302.34^{+0.60}_{-0.61}$
n_b	$(2.542^{+0.056}_{-0.054}) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.971 ± 0.012
Ω_b	$0.0477^{+0.0053}_{-0.0049}$	$\Omega_b h^2$	$0.02264^{+0.00050}_{-0.00048}$
Ω_c	$0.240^{+0.024}_{-0.023}$	$\Omega_c h^2$	$0.1140^{+0.0044}_{-0.0047}$
Ω_k	$-0.0033^{+0.0670}_{-0.0060}$	Ω_k	$-0.013 < \Omega_k < 0.064$ (95% CL)
Ω_Λ	$0.716^{+0.031}_{-0.033}$	$\Omega_m h^2$	$0.1367^{+0.0042}_{-0.0043}$
Ω_{tot}	$1.0033^{+0.0060}_{-0.0670}$	Ω_{tot}	$0.94 < \Omega_{\text{tot}} < 1.01$ (95% CL)
$r_s(z_d)$	$152.2^{+1.3}_{-1.2}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.340^{+0.011}_{-0.012}$
$r_s(z_d)/D_v(z=0.2)$	$0.1853^{+0.0040}_{-0.0044}$	$r_s(z_d)/D_v(z=0.35)$	$0.1111^{+0.0014}_{-0.0015}$
$r_s(z_d)/D_v(z=0.44)$	$0.0912^{+0.0010}_{-0.0011}$	$r_s(z_d)/D_v(z=0.54)$	$0.0770^{+0.0016}_{-0.0010}$
$r_s(z_d)/D_v(z=0.57)$	$0.0737^{+0.0017}_{-0.0010}$	$r_s(z_d)/D_v(z=0.6)$	$0.0708^{+0.0018}_{-0.0010}$
$r_s(z_d)/D_v(z=0.73)$	$0.06106^{+0.00098}_{-0.00100}$	$r_s(z_*)$	$145.7^{+1.2}_{-1.1}$
R	$1.729^{+0.015}_{-0.016}$	σ_8	$0.832^{+0.064}_{-0.069}$
$\sigma_8 \Omega_m^{0.5}$	$0.444^{+0.021}_{-0.022}$	$\sigma_8 \Omega_m^{0.6}$	$0.392^{+0.018}_{-0.019}$
A_{SZ}	< 2.0 (95% CL)	t_0	$13.93^{+0.22}_{-0.21}$ Gyr
τ	$0.089^{+0.013}_{-0.014}$	θ_*	$0.010391^{+0.000021}_{-0.000020}$
θ_*	$0.5954 \pm 0.0012^\circ$	τ_{rec}	$283.8^{+2.4}_{-2.3}$
t_{reion}	454^{+62}_{-61} Myr	t_*	376152^{+4235}_{-3974} yr
w	$-1.05^{+0.21}_{-0.19}$	z_d	1020.7 ± 1.1
z_{eq}	3271^{+101}_{-103}	z_{rec}	$1088.17^{+0.79}_{-0.83}$
z_{reion}	10.6 ± 1.1	z_*	$1090.99^{+0.83}_{-0.81}$