

WMAP Cosmological Parameters

Model: Λ cdm

Data: wmap9+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.442 ± 0.080	H_0	68.98 ± 0.91 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5740 \pm 33 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14160 ± 93 Mpc
$d_A(z_*)$	13994_{-93}^{+94} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.43 ± 0.12
η	$(6.16 \pm 0.12) \times 10^{-10}$	k_{eq}	0.01009 ± 0.00018
ℓ_{eq}	141.2 ± 1.6	ℓ_*	302.51 ± 0.60
n_b	$(2.529 \pm 0.049) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.969 ± 0.010
Ω_b	0.0473 ± 0.0010	$\Omega_b h^2$	0.02252 ± 0.00044
Ω_c	$0.2434_{-0.0096}^{+0.0095}$	$\Omega_c h^2$	0.1157 ± 0.0023
Ω_Λ	0.709 ± 0.010	Ω_m	0.291 ± 0.010
$\Omega_m h^2$	0.1383 ± 0.0024	$r_s(z_d)$	151.83 ± 0.92 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3403 ± 0.0045	$r_s(z_d)/D_v(z=0.2)$	0.1860 ± 0.0023
$r_s(z_d)/D_v(z=0.35)$	0.1119 ± 0.0012	$r_s(z_d)/D_v(z=0.44)$	0.09197 ± 0.00093
$r_s(z_d)/D_v(z=0.54)$	0.07774 ± 0.00072	$r_s(z_d)/D_v(z=0.57)$	0.07447 ± 0.00067
$r_s(z_d)/D_v(z=0.6)$	0.07154 ± 0.00063	$r_s(z_d)/D_v(z=0.73)$	$0.06172_{-0.00048}^{+0.00049}$
$r_s(z_*)$	145.33 ± 0.76	R	1.7354 ± 0.0062
σ_8	0.828 ± 0.018	$\sigma_8 \Omega_m^{0.5}$	0.446 ± 0.015
$\sigma_8 \Omega_m^{0.6}$	0.394 ± 0.014	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.26 ± 0.11	A_{SZ}	< 2.0 (95% CL)
t_0	13.784 ± 0.088 Gyr	τ	0.087 ± 0.013
θ_*	$0.010385_{-0.000021}^{+0.000020}$	θ_*	0.5950 ± 0.0012 °
τ_{rec}	282.9 ± 1.3	t_{reion}	455_{-65}^{+64} Myr
t_*	374573 ± 2076 yr	z_d	1020.6 ± 1.1
z_{eq}	3309 ± 58	z_{rec}	$1088.41_{-0.63}^{+0.62}$
z_{reion}	10.5 ± 1.1	z_*	$1091.29_{-0.57}^{+0.56}$