

WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+snls3+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.358^{+0.089}_{-0.090}$	H_0	73.9 ± 2.3 km/s/Mpc
N_{eff}	3.68 ± 0.67	$\ell(\ell + 1)C_{220}/(2\pi)$	5753 ± 34 μK^2
$d_A(z_{\text{eq}})$	13739^{+557}_{-556} Mpc	$d_A(z_*)$	13581^{+551}_{-550} Mpc
$D_v(z = 0.57)/r_s(z_d)$	$12.88^{+0.22}_{-0.23}$	η	$(6.23 \pm 0.13) \times 10^{-10}$
k_{eq}	0.01013 ± 0.00054	ℓ_{eq}	137.3 ± 2.7
ℓ_*	302.9 ± 1.1	n_b	$(2.559^{+0.053}_{-0.054}) \times 10^{-7}$ cm^{-3}
n_s	0.985 ± 0.012	Ω_b	0.0419 ± 0.0027
$\Omega_b h^2$	0.02278 ± 0.00048	Ω_c	0.223 ± 0.020
$\Omega_c h^2$	0.122 ± 0.013	Ω_Λ	0.735 ± 0.020
Ω_m	0.265 ± 0.020	$\Omega_m h^2$	0.145 ± 0.013
$r_s(z_d)$	147.1 ± 6.3 Mpc	$r_s(z_d)/D_v(z = 0.106)$	0.3588 ± 0.0083
$r_s(z_d)/D_v(z = 0.2)$	0.1956 ± 0.0043	$r_s(z_d)/D_v(z = 0.35)$	0.1173 ± 0.0023
$r_s(z_d)/D_v(z = 0.44)$	0.0962 ± 0.0018	$r_s(z_d)/D_v(z = 0.54)$	0.0811 ± 0.0014
$r_s(z_d)/D_v(z = 0.57)$	0.0777 ± 0.0014	$r_s(z_d)/D_v(z = 0.6)$	0.0745 ± 0.0013
$r_s(z_d)/D_v(z = 0.73)$	$0.0642^{+0.0011}_{-0.0010}$	$r_s(z_*)$	140.9 ± 6.1
R	1.719 ± 0.013	σ_8	0.838 ± 0.039
$\sigma_8 \Omega_m^{0.5}$	0.432 ± 0.034	$\sigma_8 \Omega_m^{0.6}$	0.378 ± 0.032
α_{SNLS}	1.43 ± 0.11	β_{SNLS}	3.26 ± 0.11
A_{SZ}	< 2.0 (95% CL)	t_0	$13.22^{+0.46}_{-0.47}$ Gyr
τ	0.091 ± 0.014	θ_*	0.010372 ± 0.000037
θ_*	0.5943 ± 0.0021 $^\circ$	τ_{rec}	275 ± 12
t_{reion}	421^{+66}_{-67} Myr	t_*	364436^{+16698}_{-16654} yr
z_d	1021.6 ± 1.3	z_{eq}	3189 ± 82
z_{rec}	1088.8 ± 1.4	z_{reion}	11.0 ± 1.2
z_*	1091.5 ± 1.5		