

WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.415 ± 0.094	H_0	$76.0^{+9.5}_{-8.9}$ km/s/Mpc
N_{eff}	$4.9^{+2.4}_{-2.2}$	$\ell(\ell+1)C_{220}/(2\pi)$	$5737 \pm 33 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	12982^{+1458}_{-1520} Mpc	$d_A(z_*)$	12831^{+1439}_{-1500} Mpc
$D_v(z=0.57)/r_s(z_d)$	13.49 ± 0.13		$0.000000000616 \pm 0.000000000012$
η	$(6.16 \pm 0.12) \times 10^{-10}$	k_{eq}	$0.0111^{+0.0012}_{-0.0011}$
ℓ_{eq}	$140.6^{+2.4}_{-2.3}$	ℓ_*	303.9 ± 1.8
n_b	$(2.532 \pm 0.050) \times 10^{-7} \text{ cm}^{-3}$	n_s	$0.986^{+0.027}_{-0.026}$
Ω_b	$0.0405^{+0.0094}_{-0.0096}$	$\Omega_b h^2$	0.02254 ± 0.00044
Ω_c	0.251 ± 0.011	$\Omega_c h^2$	$0.148^{+0.040}_{-0.037}$
Ω_Λ	0.708 ± 0.012	Ω_m	0.292 ± 0.012
$\Omega_m h^2$	$0.170^{+0.040}_{-0.037}$	$r_s(z_d)$	139^{+16}_{-17} Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3386 ± 0.0047	$r_s(z_d)/D_v(z=0.2)$	0.1851 ± 0.0024
$r_s(z_d)/D_v(z=0.35)$	0.1114 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	$0.09153^{+0.00096}_{-0.00095}$
$r_s(z_d)/D_v(z=0.54)$	0.07738 ± 0.00074	$r_s(z_d)/D_v(z=0.57)$	0.07413 ± 0.00070
$r_s(z_d)/D_v(z=0.6)$	0.07121 ± 0.00065	$r_s(z_d)/D_v(z=0.73)$	0.06144 ± 0.00051
$r_s(z_*)$	133 ± 16	R	1.7361 ± 0.0071
σ_8	$0.891^{+0.080}_{-0.077}$	A_{SZ}	$0.95^{+0.69}_{-0.95}$
t_0	$12.6^{+1.4}_{-1.5}$ Gyr	τ	0.087 ± 0.013
θ_*	0.010340 ± 0.000062	θ_*	$0.5924^{+0.0036}_{-0.0035} \text{ }^\circ$
τ_{rec}	258^{+30}_{-32}	t_{reion}	389^{+100}_{-102} Myr
t_*	341641^{+40532}_{-42233} yr	z_d	$1022.1^{+2.0}_{-2.2}$
z_{eq}	3279^{+89}_{-88}	z_{reion}	11.2 ± 1.5
z_*	$1093.8^{+3.0}_{-2.8}$		