

WMAP Cosmological Parameters

Model: lcdm+run

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.398 ± 0.096	H_0	68.28 ± 0.99 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5749 ± 34 μK^2	$d_A(z_{\text{eq}})$	14133 ± 95 Mpc
$d_A(z_*)$	13966_{-95}^{+96} Mpc	$dn_s/d \ln k$	-0.018 ± 0.017
$D_v(z=0.57)/r_s(z_d)$	13.52 ± 0.13	η	$(6.09 \pm 0.13) \times 10^{-10}$
k_{eq}	0.01019 ± 0.00019	ℓ_{eq}	142.3 ± 1.8
ℓ_*	302.43 ± 0.61	n_b	$(2.502 \pm 0.053) \times 10^{-7}$ cm^{-3}
n_s	$1.006_{-0.038}^{+0.039}$	Ω_b	0.0478 ± 0.0011
$\Omega_b h^2$	0.02228 ± 0.00047	Ω_c	0.252 ± 0.011
$\Omega_c h^2$	0.1174 ± 0.0025	Ω_Λ	0.700 ± 0.012
Ω_m	0.300 ± 0.012	$\Omega_m h^2$	0.1396 ± 0.0026
$r_s(z_d)$	151.65 ± 0.93 Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3368 ± 0.0049
$r_s(z_d)/D_v(z=0.2)$	0.1842 ± 0.0025	$r_s(z_d)/D_v(z=0.35)$	0.1110 ± 0.0013
$r_s(z_d)/D_v(z=0.44)$	0.09127 ± 0.00100	$r_s(z_d)/D_v(z=0.54)$	0.07721 ± 0.00077
$r_s(z_d)/D_v(z=0.57)$	0.07398 ± 0.00072	$r_s(z_d)/D_v(z=0.6)$	0.07108 ± 0.00067
$r_s(z_d)/D_v(z=0.73)$	0.06137 ± 0.00052	$r_s(z_*)$	145.08 ± 0.78
R	1.7407 ± 0.0070	σ_8	0.830 ± 0.018
$\sigma_8 \Omega_m^{0.5}$	0.454 ± 0.016	$\sigma_8 \Omega_m^{0.6}$	0.403 ± 0.015
A_{SZ}	< 2.0 (95% CL)	t_0	13.807 ± 0.089 Gyr
τ	0.091 ± 0.014	θ_*	0.010388 ± 0.000021
θ_*	0.5952 ± 0.0012 $^\circ$	τ_{rec}	282.1 ± 1.3
t_{reion}	427 ± 66 Myr	t_*	373126_{-2254}^{+2266} yr
z_d	1020.2 ± 1.1	z_{eq}	3343_{-63}^{+62}
z_{rec}	1088.77 ± 0.68	z_{reion}	11.0 ± 1.2
z_*	$1091.75_{-0.66}^{+0.67}$		