

WMAP Cosmological Parameters

Model: lcdm+run

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	2.40 ± 0.10	H_0	68.0 ± 3.4 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5748 ± 35 μK^2	$d_A(z_{\text{eq}})$	14118_{-154}^{+153} Mpc
$d_A(z_*)$	13951_{-156}^{+155} Mpc	$dn_s/d \ln k$	-0.019 ± 0.025
$D_v(z=0.57)/r_s(z_d)$	13.57 ± 0.49	η	$(6.08 \pm 0.20) \times 10^{-10}$
k_{eq}	$0.01025_{-0.00050}^{+0.00051}$	ℓ_{eq}	143.0 ± 5.6
ℓ_*	302.44 ± 0.66	n_b	$(2.498 \pm 0.080) \times 10^{-7}$ cm^{-3}
n_s	1.009 ± 0.049	Ω_b	0.0483 ± 0.0036
$\Omega_b h^2$	0.02224 ± 0.00071	Ω_c	0.259 ± 0.041
$\Omega_c h^2$	0.1182 ± 0.0074	Ω_Λ	0.693 ± 0.045
Ω_m	0.307 ± 0.045	$\Omega_m h^2$	0.1405 ± 0.0069
$r_s(z_d)$	151.5 ± 1.6 Mpc	$r_s(z_d)/D_v(z=0.106)$	0.336 ± 0.018
$r_s(z_d)/D_v(z=0.2)$	$0.1836_{-0.0092}^{+0.0091}$	$r_s(z_d)/D_v(z=0.35)$	0.1107 ± 0.0048
$r_s(z_d)/D_v(z=0.44)$	0.0910 ± 0.0037	$r_s(z_d)/D_v(z=0.54)$	0.0770 ± 0.0028
$r_s(z_d)/D_v(z=0.57)$	$0.0738_{-0.0027}^{+0.0026}$	$r_s(z_d)/D_v(z=0.6)$	0.0709 ± 0.0025
$r_s(z_d)/D_v(z=0.73)$	0.0613 ± 0.0019	$r_s(z_*)$	144.9 ± 1.6
R	1.743 ± 0.025	σ_8	0.832 ± 0.027
$\sigma_8 \Omega_m^{0.5}$	$0.461_{-0.046}^{+0.047}$	$\sigma_8 \Omega_m^{0.6}$	0.410 ± 0.047
A_{SZ}	< 2.0 (95% CL)	t_0	$13.81_{-0.14}^{+0.15}$ Gyr
τ	0.091 ± 0.014	θ_*	0.010387 ± 0.000023
θ_*	0.5952 ± 0.0013 $^\circ$	τ_{rec}	281.8 ± 3.7
t_{reion}	426_{-70}^{+69} Myr	t_*	372502_{-6546}^{+6514} yr
z_d	1020.2 ± 1.3	z_{eq}	3362 ± 166
z_{rec}	1088.9 ± 1.2	z_{reion}	11.0 ± 1.3
z_*	1091.9 ± 1.5		