

WMAP Cosmological Parameters

Model: lcdm+run+tens

Data: wmap9+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.23 ± 0.15	H_0	68.5 ± 1.0 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5750 \pm 34 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14105 ± 96 Mpc
$d_A(z_*)$	13938 ± 97 Mpc	$dn_s/d \ln k$	-0.037 ± 0.023
$D_v(z = 0.57)/r_s(z_d)$	13.50 ± 0.13	η	$(6.13 \pm 0.13) \times 10^{-10}$
k_{eq}	0.01023 ± 0.00019	ℓ_{eq}	142.5 ± 1.8
ℓ_*	302.23 ± 0.62	n_b	$(2.520 \pm 0.054) \times 10^{-7} \text{ cm}^{-3}$
n_s	1.064 ± 0.058	n_t	> -0.056 (95% CL)
Ω_b	0.0478 ± 0.0011	$\Omega_b h^2$	0.02244 ± 0.00048
Ω_c	0.251 ± 0.011	$\Omega_c h^2$	0.1177 ± 0.0026
Ω_Λ	0.701 ± 0.012	Ω_m	0.299 ± 0.012
$\Omega_m h^2$	0.1401 ± 0.0026	r	< 0.44 (95% CL)
$r_s(z_d)$	$151.38^{+0.94}_{-0.95}$ Mpc	$r_s(z_d)/D_v(z = 0.106)$	$0.3374^{+0.0050}_{-0.0049}$
$r_s(z_d)/D_v(z = 0.2)$	0.1845 ± 0.0025	$r_s(z_d)/D_v(z = 0.35)$	0.1112 ± 0.0013
$r_s(z_d)/D_v(z = 0.44)$	0.0914 ± 0.0010	$r_s(z_d)/D_v(z = 0.54)$	0.07730 ± 0.00078
$r_s(z_d)/D_v(z = 0.57)$	$0.07406^{+0.00073}_{-0.00072}$	$r_s(z_d)/D_v(z = 0.6)$	0.07116 ± 0.00068
$r_s(z_d)/D_v(z = 0.73)$	0.06143 ± 0.00052	$r_s(z_*)$	$144.88^{+0.78}_{-0.79}$
R	1.7401 ± 0.0070	σ_8	0.830 ± 0.019
$\sigma_8 \Omega_m^{0.5}$	0.454 ± 0.016	$\sigma_8 \Omega_m^{0.6}$	0.402 ± 0.015
A_{SZ}	< 2.0 (95% CL)	t_0	13.773 ± 0.092 Gyr
τ	0.095 ± 0.015	θ_*	$0.010395^{+0.000021}_{-0.000022}$
θ_*	$0.5956 \pm 0.0012^\circ$	τ_{rec}	281.9 ± 1.4
t_{reion}	411 ± 65 Myr	t_*	372827^{+2269}_{-2277} yr
z_d	1020.6 ± 1.1	z_{eq}	3354 ± 63
z_{rec}	1088.63 ± 0.69	z_{reion}	11.3 ± 1.3
z_*	$1091.57^{+0.68}_{-0.67}$		