WMAP Cosmological Parameters

Model: lcdm+mnu

Data: wmap9+snls3

$10^9 \Delta_\mathcal{R}^2$	2.364 ± 0.094	H_0	69.6 ± 2.3 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5757^{+35}_{-34}\ \mu\text{K}^2$	$d_A(z_{\text{eq}})$	14251^{+111}_{-110} Mpc
$d_A(z_*)$	14087 ± 112 Mpc	$D_v(z=0.57)/r_s(z_d)$	$13.28^{+0.31}_{-0.30}$
η	$(6.22 \pm 0.13) \times 10^{-10}$	k_{eq}	0.00974 ± 0.00028
ℓ_{eq}	137.2 ± 3.0	ℓ_*	302.17 ± 0.64
$\sum m_\nu$	< 0.52 eV (95% CL)	n_b	$(2.555 \pm 0.055) \times 10^{-7}\ \text{cm}^{-3}$
n_s	0.977 ± 0.012	Ω_b	0.0470 ± 0.0027
$\Omega_b h^2$	0.02275 ± 0.00049	Ω_c	0.229 ± 0.021
$\Omega_c h^2$	0.1107 ± 0.0039	Ω_Λ	0.719 ± 0.025
Ω_m	0.281 ± 0.025	$\Omega_m h^2$	0.1356 ± 0.0040
$\Omega_\nu h^2$	< 0.0055 (95% CL)	$r_s(z_d)$	153.0 ± 1.2 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.346 ± 0.012	$r_s(z_d)/D_v(z=0.2)$	0.1888 ± 0.0059
$r_s(z_d)/D_v(z=0.35)$	0.1134 ± 0.0031	$r_s(z_d)/D_v(z=0.44)$	0.0931 ± 0.0024
$r_s(z_d)/D_v(z=0.54)$	0.0786 ± 0.0019	$r_s(z_d)/D_v(z=0.57)$	0.0753 ± 0.0017
$r_s(z_d)/D_v(z=0.6)$	0.0723 ± 0.0016	$r_s(z_d)/D_v(z=0.73)$	0.0623 ± 0.0012
$r_s(z_*)$	146.5 ± 1.1	R	1.730 ± 0.016
σ_8	$0.765^{+0.042}_{-0.044}$	$\sigma_8 \Omega_m^{0.5}$	0.405 ± 0.026
$\sigma_8 \Omega_m^{0.6}$	0.357 ± 0.025	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.26 ± 0.11	A_{SZ}	< 2.0 (95% CL)
t_0	13.80 ± 0.14 Gyr	τ	0.092 ± 0.014
θ_*	0.010397 ± 0.000022	θ_*	0.5957 ± 0.0013 °
τ_{rec}	285.5 ± 2.1	t_{reion}	444 ± 63 Myr
t_*	378974^{+3576}_{-3586} yr	z_d	1020.7 ± 1.1
z_{eq}	3195 ± 91	z_{rec}	$1087.86^{+0.73}_{-0.74}$
z_{reion}	10.8 ± 1.1	z_*	$1090.55^{+0.77}_{-0.76}$