WMAP Cosmological Parameters

Model: wcdm+mnu

Data: wmap9

$10^9\Delta^2_{\mathcal{R}}$	2.47 ± 0.14	H_0	> 45 km/s/Mpc (95% CL)
$\ell(\ell+1)C_{220}/(2\pi)$	$5754 \pm 37\ \mu\mathrm{K}^2$	$d_A(z_{\rm eq})$	14138 ± 131 Mpc
$d_A(z_*)$	13972 ± 132 Mpc	$D_v(z=0.57)/r_s(z_d)$	$14.40^{+0.92}_{-0.95}$
η	$(6.08 \pm 0.17) \times 10^{-10}$	$k_{\rm eq}$	0.01008 ± 0.00035
$\ell_{\rm eq}$	140.9 ± 3.8	ℓ_*	$302.35^{+0.69}_{-0.67}$
$\sum m_\nu$	< 1.4 eV (95% CL)	n_b	$(2.498^{+0.068}_{-0.069}) \times 10^{-7}$ cm^{-3}
n_s	$0.963^{+0.017}_{-0.018}$	Ω_b	$0.026 < \Omega_b < 0.112$ (95% CL)
$\Omega_b h^2$	$0.02224^{+0.00061}_{-0.00062}$	Ω_c	$0.14 < \Omega_c < 0.57$ (95% CL)
$\Omega_c h^2$	0.1156 ± 0.0050	Ω_Λ	$0.26 < \Omega_\Lambda < 0.83$ (95% CL)
Ω_m	$0.17 < \Omega_m < 0.74$ (95% CL)	$\Omega_m h^2$	0.1450 ± 0.0074
$\Omega_\nu h^2$	< 0.015 (95% CL)	$r_s(z_d)$	151.8 ± 1.4 Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.318^{+0.060}_{-0.057}$	$r_s(z_d)/D_v(z=0.2)$	$0.173^{+0.026}_{-0.025}$
$r_s(z_d)/D_v(z=0.35)$	0.104 ± 0.011	$r_s(z_d)/D_v(z=0.44)$	0.0857 ± 0.0072
$r_s(z_d)/D_v(z=0.54)$	$0.0727^{+0.0051}_{-0.0049}$	$r_s(z_d)/D_v(z=0.57)$	$0.0698^{+0.0046}_{-0.0045}$
$r_s(z_d)/D_v(z=0.6)$	$0.0671^{+0.0042}_{-0.0041}$	$r_s(z_d)/D_v(z=0.73)$	$0.0582^{+0.0029}_{-0.0028}$
$r_s(z_*)$	145.2 ± 1.3	R	1.774 ± 0.033
σ_8	$0.69^{+0.16}_{-0.15}$	$\sigma_8\Omega_m^{0.5}$	$0.405^{+0.036}_{-0.035}$
$\sigma_8\Omega_m^{0.6}$	$0.365^{+0.038}_{-0.039}$	$A_{\rm SZ}$	< 2.0 (95% CL)
t_0	$14.23^{+0.41}_{-0.42}$ Gyr	τ	$0.086^{+0.013}_{-0.014}$
θ_*	$0.010391^{+0.000023}_{-0.000024}$	θ_*	$0.5953^{+0.0013}_{-0.0014}$ °
$\tau_{\rm rec}$	$282.3^{+2.9}_{-2.8}$	$t_{\rm reion}$	431 ± 65 Myr
t_*	373168^{+5079}_{-5012} yr	w	< 0.0 (95% CL)
z_d	1020.0 ± 1.3	$z_{\rm eq}$	3300^{+114}_{-115}
$z_{\rm rec}$	1088.9 ± 1.0	$z_{\rm reion}$	10.7 ± 1.2
z_*	1091.7 ± 1.1		