WMAP Cosmological Parameters

Model: lcdm+mnu

Data: wmap9

$10^9 \Delta_{\mathcal{R}}^2$	2.48 ± 0.12	H_0	$64.0^{+4.5}_{-4.6}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5754 ± 36 μK^2	$d_A(z_{\mathrm{eq}})$	14150 ± 124 Mpc
$d_A(z_*)$	13984 ± 125 Mpc	$D_v(z=0.57)/r_s(z_d)$	$14.05^{+0.62}_{-0.60}$
η	$(6.09 \pm 0.16) \times 10^{-10}$	k_{eq}	0.01008 ± 0.00034
ℓ_{eq}	140.9 ± 3.6	ℓ_*	302.37 ± 0.66
$\sum m_\nu$	< 1.3 eV (95% CL)	n_b	$(2.500 \pm 0.064) \times 10^{-7}$ cm^{-3}
n_s	0.962 ± 0.016	Ω_b	$0.0550^{+0.0070}_{-0.0067}$
$\Omega_b h^2$	0.02226 ± 0.00057	Ω_c	$0.287^{+0.049}_{-0.048}$
$\Omega_c h^2$	$0.1157^{+0.0048}_{-0.0047}$	Ω_Λ	$0.641^{+0.065}_{-0.068}$
Ω_m	$0.359^{+0.068}_{-0.065}$	$\Omega_m h^2$	$0.1441^{+0.0070}_{-0.0069}$
$\Omega_\nu h^2$	< 0.014 (95% CL)	$r_s(z_d)$	151.9 ± 1.3 Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.318^{+0.021}_{-0.022}$	$r_s(z_d)/D_v(z=0.2)$	0.175 ± 0.011
$r_s(z_d)/D_v(z=0.35)$	$0.1061^{+0.0057}_{-0.0058}$	$r_s(z_d)/D_v(z=0.44)$	0.0876 ± 0.0043
$r_s(z_d)/D_v(z=0.54)$	0.0743 ± 0.0033	$r_s(z_d)/D_v(z=0.57)$	0.0713 ± 0.0031
$r_s(z_d)/D_v(z=0.6)$	0.0686 ± 0.0029	$r_s(z_d)/D_v(z=0.73)$	0.0595 ± 0.0022
$r_s(z_*)$	145.3 ± 1.2	R	1.770 ± 0.032
σ_8	$0.706^{+0.077}_{-0.076}$	$\sigma_8 \Omega_m^{0.5}$	0.419 ± 0.030
$\sigma_8 \Omega_m^{0.6}$	0.377 ± 0.029	A_{SZ}	< 2.0 (95% CL)
t_0	14.09 ± 0.26 Gyr	τ	0.086 ± 0.013
θ_*	0.010390 ± 0.000023	θ_*	0.5953 ± 0.0013 °
τ_{rec}	282.5 ± 2.6	t_{reion}	439^{+63}_{-64} Myr
t_*	373643^{+4664}_{-4680} yr	z_d	1020.0 ± 1.2
z_{eq}	3301 ± 109	z_{rec}	1088.80 ± 0.96
z_{reion}	10.6 ± 1.1	z_*	1091.6 ± 1.0