WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+snls3+bao+h0

$10^9\Delta^2_{\mathcal{R}}$	$2.415^{+0.078}_{-0.079}$	H_0	73.9 ± 2.3 km/s/Mpc
$N_{\rm eff}$	4.18 ± 0.59	$\ell(\ell+1)C_{220}/(2\pi)$	5740 ± 33 μK^2
$d_A(z_{\rm eq})$	13288^{+430}_{-427} Mpc	$d_A(z_*)$	13133^{+424}_{-422} Mpc
$D_v(z=0.57)/r_s(z_d)$	13.44 ± 0.12		$0.000000000617 \pm 0.000000000012$
η	$(6.17 \pm 0.12) \times 10^{-10}$	$k_{\rm eq}$	0.01067 ± 0.00037
$\ell_{\rm eq}$	140.0 ± 1.6	ℓ_*	$303.67^{+0.85}_{-0.86}$
n_b	$(2.534 \pm 0.049) \times 10^{-7}$ cm^{-3}	n_s	0.983 ± 0.011
Ω_b	$0.0415^{+0.0026}_{-0.0027}$	$\Omega_b h^2$	0.02256 ± 0.00043
Ω_c	0.246 ± 0.010	$\Omega_c h^2$	$0.135^{+0.010}_{-0.011}$
Ω_Λ	$0.7122^{+0.0101}_{-0.0099}$	Ω_m	$0.2878^{+0.0099}_{-0.0101}$
$\Omega_m h^2$	0.157 ± 0.010	$r_s(z_d)$	142.0 ± 4.8 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3403 ± 0.0045	$r_s(z_d)/D_v(z=0.2)$	0.1859 ± 0.0023
$r_s(z_d)/D_v(z=0.35)$	0.1119 ± 0.0012	$r_s(z_d)/D_v(z=0.44)$	0.09189 ± 0.00094
$r_s(z_d)/D_v(z=0.54)$	0.07766 ± 0.00073	$r_s(z_d)/D_v(z=0.57)$	$0.07438^{+0.00069}_{-0.00068}$
$r_s(z_d)/D_v(z=0.6)$	$0.07145^{+0.00065}_{-0.00064}$	$r_s(z_d)/D_v(z=0.73)$	0.06163 ± 0.00050
$r_s(z_*)$	135.9 ± 4.6	R	$1.7336^{+0.0060}_{-0.0061}$
σ_8	$0.871^{+0.029}_{-0.028}$	$\alpha_{\rm SNLS}$	1.43 ± 0.11
$\beta_{\rm SNLS}$	3.25 ± 0.11	$A_{\rm SZ}$	$0.95^{+0.68}_{-0.95}$
t_0	12.92 ± 0.40 Gyr	τ	0.087 ± 0.013
θ_*	0.010346 ± 0.000029	θ_*	0.5928 ± 0.0017 °
$\tau_{\rm rec}$	$264.5^{+9.1}_{-9.0}$	$t_{\rm reion}$	402^{+62}_{-63} Myr
t_*	350144^{+12265}_{-12146} yr	z_d	1022.1 ± 1.1
$z_{\rm eq}$	3261 ± 59	$z_{\rm rec}$	1090.0 ± 1.1
$z_{\rm reion}$	11.0 ± 1.2	z_*	1092.8 ± 1.1