WMAP Cosmological Parameters

Model: olcdm

Data: wmap9+snls3+bao

$10^9\Delta^2_{\mathcal{R}}$	2.391 ± 0.096	H_0	$68.4^{+1.1}_{-1.0}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	$5752 \pm 35\ \mu\mathrm{K}^2$	$d_A(z_{\rm eq})$	14220 ± 112 Mpc
$d_A(z_*)$	14058 ± 115 Mpc	$D_v(z=0.57)/r_s(z_d)$	13.50 ± 0.14
η	$(6.20 \pm 0.13) \times 10^{-10}$	$k_{\rm eq}$	0.00986 ± 0.00030
$\ell_{\rm eq}$	138.6 ± 3.2	ℓ_*	302.31 ± 0.64
n_b	$(2.548^{+0.055}_{-0.054}) \times 10^{-7}$ cm^{-3}	n_s	0.974 ± 0.012
Ω_b	0.0485 ± 0.0016	$\Omega_b h^2$	$0.02269^{+0.00049}_{-0.00048}$
Ω_c	0.240 ± 0.010	$\Omega_c h^2$	0.1124 ± 0.0041
Ω_k	-0.0042 ± 0.0044	Ω_k	$-0.0127 < \Omega_k < 0.0045$ (95% CL)
Ω_Λ	0.716 ± 0.012	Ω_m	0.289 ± 0.011
$\Omega_m h^2$	0.1351 ± 0.0041	$\Omega_{\rm tot}$	1.0042 ± 0.0044
$\Omega_{\rm tot}$	$1.00 < \Omega_{\rm tot} < 1.01$ (95% CL)	$r_s(z_d)$	152.6 ± 1.2 Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.3391^{+0.0047}_{-0.0046}$	$r_s(z_d)/D_v(z=0.2)$	0.1853 ± 0.0024
$r_s(z_d)/D_v(z=0.35)$	0.1114 ± 0.0013	$r_s(z_d)/D_v(z=0.44)$	0.0915 ± 0.0010
$r_s(z_d)/D_v(z=0.54)$	0.07735 ± 0.00082	$r_s(z_d)/D_v(z=0.57)$	0.07409 ± 0.00077
$r_s(z_d)/D_v(z=0.6)$	0.07117 ± 0.00073	$r_s(z_d)/D_v(z=0.73)$	$0.06138^{+0.00059}_{-0.00060}$
$r_s(z_*)$	146.1 ± 1.1	R	1.723 ± 0.014
σ_8	$0.813^{+0.023}_{-0.024}$	$\sigma_8\Omega_m^{0.5}$	0.437 ± 0.018
$\sigma_8\Omega_m^{0.6}$	0.386 ± 0.017	$\alpha_{\rm SNLS}$	1.43 ± 0.11
$\beta_{\rm SNLS}$	3.25 ± 0.11	$A_{\rm SZ}$	< 2.0 (95% CL)
t_0	13.94 ± 0.19 Gyr	τ	0.090 ± 0.014
θ_*	0.010392 ± 0.000022	θ_*	0.5954 ± 0.0013 °
$\tau_{\rm rec}$	284.7 ± 2.2	$t_{\rm reion}$	453 ± 64 Myr
t_*	377625^{+3795}_{-3811} yr	z_d	1020.7 ± 1.1
$z_{\rm eq}$	3233^{+97}_{-98}	$z_{\rm rec}$	1088.01 ± 0.75
$z_{\rm reion}$	10.6 ± 1.1	z_*	1090.78 ± 0.79