WMAP Cosmological Parameters

Model: olcdm

Data: wmap9+snls3

$10^9 \Delta_{\mathcal{R}}^2$	2.375 ± 0.097	H_0	$75.9^{+6.0}_{-5.9}$ km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5748 ± 35 μK^2	$d_A(z_{\mathrm{eq}})$	14223 ± 112 Mpc
$d_A(z_*)$	14050 ± 115 Mpc	$D_v(z=0.57)/r_s(z_d)$	$12.54^{+0.74}_{-0.75}$
η	$(6.23 \pm 0.13) \times 10^{-10}$	k_{eq}	0.00987 ± 0.00030
ℓ_{eq}	138.6 ± 3.2	ℓ_*	302.25 ± 0.64
n_b	$(2.557 \pm 0.055) \times 10^{-7}$ cm^{-3}	n_s	0.977 ± 0.012
Ω_b	0.0403 ± 0.0062	$\Omega_b h^2$	0.02277 ± 0.00049
Ω_c	0.199 ± 0.032	$\Omega_c h^2$	0.1124 ± 0.0042
Ω_k	0.0070 ± 0.0088	Ω_k	$-0.012 < \Omega_k < 0.023$ (95% CL)
Ω_Λ	0.754 ± 0.031	Ω_m	0.239 ± 0.038
$\Omega_m h^2$	0.1352 ± 0.0041	Ω_{tot}	0.9930 ± 0.0088
Ω_{tot}	$0.98 < \Omega_{\mathrm{tot}} < 1.01$ (95% CL)	$r_s(z_d)$	152.5 ± 1.2 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.374 ± 0.028	$r_s(z_d)/D_v(z=0.2)$	0.203 ± 0.015
$r_s(z_d)/D_v(z=0.35)$	0.1215 ± 0.0081	$r_s(z_d)/D_v(z=0.44)$	0.0994 ± 0.0063
$r_s(z_d)/D_v(z=0.54)$	$0.0836^{+0.0051}_{-0.0050}$	$r_s(z_d)/D_v(z=0.57)$	0.0800 ± 0.0048
$r_s(z_d)/D_v(z=0.6)$	0.0768 ± 0.0045	$r_s(z_d)/D_v(z=0.73)$	0.0659 ± 0.0036
$r_s(z_*)$	146.0 ± 1.1	R	1.723 ± 0.015
σ_8	$0.819^{+0.024}_{-0.025}$	$\sigma_8 \Omega_m^{0.5}$	0.399 ± 0.034
$\sigma_8 \Omega_m^{0.6}$	$0.346^{+0.034}_{-0.035}$	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.26 ± 0.11	A_{SZ}	< 2.0 (95% CL)
t_0	13.27 ± 0.54 Gyr	τ	0.090 ± 0.014
θ_*	0.010394 ± 0.000022	θ_*	0.5955 ± 0.0013 °
τ_{rec}	284.6 ± 2.2	t_{reion}	449^{+63}_{-64} Myr
t_*	377607^{+3831}_{-3829} yr	z_d	1020.9 ± 1.1
z_{eq}	3236 ± 98	z_{rec}	$1087.93^{+0.76}_{-0.75}$
z_{reion}	10.7 ± 1.1	z_*	$1090.67^{+0.80}_{-0.79}$