

WMAP Cosmological Parameters

Model: lcdm+nrel+yhe

Data: wmap9+spt+act+h0

$10^9 \Delta_{\mathcal{R}}^2$	2.336 ± 0.081	H_0	73.1 ± 2.2 km/s/Mpc
N_{eff}	3.31 ± 0.45	$A_{\text{clustered}}$	< 14 (95% CL)
$A_{\text{Poisson}}^{\text{ACT}}$	$13.2^{+2.7}_{-2.8}$	$A_{\text{Poisson}}^{\text{SPT}}$	> 13 (95% CL)
$\ell(\ell+1)C_{220}/(2\pi)$	$5762^{+32}_{-33} \mu\text{K}^2$	$d_A(z_{\text{eq}})$	13952^{+387}_{-384} Mpc
$d_A(z_*)$	13789^{+382}_{-380} Mpc	$D_v(z = 0.57)/r_s(z_d)$	12.93 ± 0.23
η	$(6.24 \pm 0.11) \times 10^{-10}$	k_{eq}	0.01001 ± 0.00035
ℓ_{eq}	138.0 ± 2.3	ℓ_*	$301.61^{+0.79}_{-0.78}$
n_b	$(2.564^{+0.045}_{-0.046}) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.987 ± 0.012
Ω_b	0.0429 ± 0.0024	$\Omega_b h^2$	$0.02283^{+0.00040}_{-0.00041}$
Ω_c	0.219 ± 0.015	$\Omega_c h^2$	$0.1169^{+0.0083}_{-0.0085}$
Ω_Λ	0.738 ± 0.015	Ω_m	0.262 ± 0.015
$\Omega_m h^2$	$0.1397^{+0.0083}_{-0.0084}$	$r_s(z_d)$	$150.0^{+4.5}_{-4.4}$ Mpc
$r_s(z_d)/D_v(z = 0.106)$	0.3579 ± 0.0082	$r_s(z_d)/D_v(z = 0.2)$	$0.1950^{+0.0043}_{-0.0042}$
$r_s(z_d)/D_v(z = 0.35)$	0.1169 ± 0.0023	$r_s(z_d)/D_v(z = 0.44)$	0.0958 ± 0.0018
$r_s(z_d)/D_v(z = 0.54)$	0.0808 ± 0.0014	$r_s(z_d)/D_v(z = 0.57)$	0.0773 ± 0.0014
$r_s(z_d)/D_v(z = 0.6)$	0.0742 ± 0.0013	$r_s(z_d)/D_v(z = 0.73)$	0.0639 ± 0.0010
$r_s(z_*)$	$143.6^{+4.3}_{-4.2}$	R	1.717 ± 0.010
σ_8	0.836 ± 0.026	$\sigma_8 \Omega_m^{0.5}$	0.428 ± 0.022
$\sigma_8 \Omega_m^{0.6}$	0.374 ± 0.021	A_{SZ}	< 1.5 (95% CL)
t_0	13.40 ± 0.35 Gyr	τ	0.090 ± 0.014
θ_*	0.010416 ± 0.000027	θ_*	0.5968 ± 0.0016 °
τ_{rec}	$279.7^{+8.2}_{-8.1}$	t_{reion}	424^{+61}_{-62} Myr
t_*	371494^{+11319}_{-11159} yr	Y_{He}	0.290 ± 0.033
z_d	1021.4 ± 1.1	z_{eq}	3227^{+73}_{-74}
z_{rec}	1090.0 ± 1.0	z_{reion}	11.0 ± 1.2
z_*	1090.97 ± 0.92		