

WMAP Cosmological Parameters

Model: $\text{olcdm}+\text{mnu}$

Data: $\text{wmap9}+\text{spt}+\text{act}+\text{h0}$

$10^9 \Delta_{\mathcal{R}}^2$	2.51 ± 0.11	H_0	$72.7^{+2.2}_{-2.3}$ km/s/Mpc
$A_{\text{clustered}}$	< 12 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	14.4 ± 2.4
$A_{\text{Poisson}}^{\text{SPT}}$	> 16 (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	5744^{+35}_{-36} μK^2
$d_A(z_{\text{eq}})$	14155^{+109}_{-108} Mpc	$d_A(z_*)$	13976 ± 114 Mpc
$D_v(z = 0.57)/r_s(z_d)$	$12.80^{+0.29}_{-0.28}$	η	$(6.04^{+0.12}_{-0.11}) \times 10^{-10}$
k_{eq}	$0.01010^{+0.00032}_{-0.00031}$	ℓ_{eq}	$141.1^{+3.4}_{-3.3}$
ℓ_*	302.04 ± 0.42	$\sum m_\nu$	< 1.1 eV (95% CL)
n_b	$(2.479^{+0.049}_{-0.046}) \times 10^{-7}$ cm^{-3}	n_s	$0.958^{+0.012}_{-0.011}$
$\Omega_b h^2$	$0.02207^{+0.00044}_{-0.00041}$	Ω_c	$0.220^{+0.017}_{-0.016}$
$\Omega_c h^2$	$0.1162^{+0.0045}_{-0.0044}$	Ω_k	$0.0151^{+0.0090}_{-0.0085}$
Ω_k	$-0.00039 < \Omega_k < 0.03238$ (95% CL)	Ω_Λ	0.713 ± 0.027
Ω_m	$0.272^{+0.023}_{-0.022}$	$\Omega_m h^2$	$0.1436^{+0.0072}_{-0.0070}$
$\Omega_\nu h^2$	< 0.012 (95% CL)	Ω_{tot}	$0.9849^{+0.0085}_{-0.0090}$
Ω_{tot}	$0.97 < \Omega_{\text{tot}} < 1.00$ (95% CL)	$r_s(z_d)$	152.0 ± 1.2 Mpc
$r_s(z_d)/D_v(z = 0.106)$	0.359 ± 0.011	$r_s(z_d)/D_v(z = 0.2)$	$0.1960^{+0.0056}_{-0.0057}$
$r_s(z_d)/D_v(z = 0.35)$	$0.1178^{+0.0030}_{-0.0032}$	$r_s(z_d)/D_v(z = 0.44)$	$0.0966^{+0.0023}_{-0.0024}$
$r_s(z_d)/D_v(z = 0.54)$	$0.0816^{+0.0018}_{-0.0019}$	$r_s(z_d)/D_v(z = 0.57)$	$0.0781^{+0.0017}_{-0.0018}$
$r_s(z_d)/D_v(z = 0.6)$	$0.0750^{+0.0016}_{-0.0017}$	$r_s(z_d)/D_v(z = 0.73)$	0.0646 ± 0.0013
$r_s(z_*)$	$145.4^{+1.2}_{-1.1}$	R	$1.765^{+0.032}_{-0.031}$
σ_8	$0.728^{+0.064}_{-0.065}$	$\sigma_8 \Omega_m^{0.5}$	$0.379^{+0.026}_{-0.028}$
$\sigma_8 \Omega_m^{0.6}$	$0.333^{+0.023}_{-0.024}$	A_{SZ}	< 1.2 (95% CL)
t_0	$13.26^{+0.26}_{-0.27}$ Gyr	τ	0.084 ± 0.013
θ_*	$0.010401^{+0.000014}_{-0.000015}$	θ_*	$0.59594^{+0.00083}_{-0.00084}$ $^\circ$
τ_{rec}	282.4 ± 2.5	t_{reion}	440^{+62}_{-64} Myr
t_*	373433^{+4466}_{-4526} yr	z_d	$1019.62^{+0.85}_{-0.86}$
z_{eq}	3309 ± 102	z_{rec}	$1089.02^{+0.82}_{-0.79}$
z_{reion}	10.6 ± 1.1	z_*	$1091.93^{+0.84}_{-0.81}$