

WMAP Cosmological Parameters

Model: wcdm+mnu

Data: wmap9+spt+act+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.510^{+0.082}_{-0.079}$	H_0	$72.9^{+2.1}_{-2.0}$ km/s/Mpc
$A_{\text{clustered}}$	< 12 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	14.5 ± 2.5
$A_{\text{Poisson}}^{\text{SPT}}$	> 16 (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	5753^{+35}_{-34} μK^2
$d_A(z_{\text{eq}})$	14161^{+74}_{-73} Mpc	$d_A(z_*)$	13996^{+75}_{-74} Mpc
$D_v(z=0.57)/r_s(z_d)$	13.67 ± 0.16	η	$(6.014^{+0.098}_{-0.096}) \times 10^{-10}$
k_{eq}	0.01005 ± 0.00020	ℓ_{eq}	$140.6^{+2.2}_{-2.1}$
ℓ_*	$302.07^{+0.44}_{-0.41}$	$\sum m_\nu$	0.58 ± 0.20 eV
$\sum m_\nu$	$0.18 < \sum m_\nu < 0.97$ eV (95% CL)	n_b	$(2.470^{+0.040}_{-0.039}) \times 10^{-7}$ cm^{-3}
n_s	$0.9558^{+0.0089}_{-0.0090}$	Ω_b	0.0415 ± 0.0025
$\Omega_b h^2$	$0.02200^{+0.00036}_{-0.00035}$	Ω_c	0.218 ± 0.012
$\Omega_c h^2$	0.1155 ± 0.0028	Ω_Λ	$0.729^{+0.014}_{-0.013}$
Ω_m	$0.271^{+0.013}_{-0.014}$	$\Omega_m h^2$	$0.1437^{+0.0028}_{-0.0027}$
$\Omega_\nu h^2$	$0.0061^{+0.0021}_{-0.0022}$	$\Omega_\nu h^2$	$0.0020 < \Omega_\nu h^2 < 0.0104$ (95% CL)
$r_s(z_d)$	$152.26^{+0.80}_{-0.79}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.3516^{+0.0066}_{-0.0064}$
$r_s(z_d)/D_v(z=0.2)$	0.1889 ± 0.0026	$r_s(z_d)/D_v(z=0.35)$	0.1115 ± 0.0013
$r_s(z_d)/D_v(z=0.44)$	0.0910 ± 0.0010	$r_s(z_d)/D_v(z=0.54)$	0.07646 ± 0.00089
$r_s(z_d)/D_v(z=0.57)$	0.07316 ± 0.00085	$r_s(z_d)/D_v(z=0.6)$	0.07020 ± 0.00082
$r_s(z_d)/D_v(z=0.73)$	0.06038 ± 0.00069	$r_s(z_*)$	$145.56^{+0.72}_{-0.71}$
R	$1.769^{+0.011}_{-0.012}$	σ_8	0.770 ± 0.044
$\sigma_8 \Omega_m^{0.5}$	0.400 ± 0.023	$\sigma_8 \Omega_m^{0.6}$	$0.351^{+0.021}_{-0.020}$
A_{SZ}	< 1.2 (95% CL)	t_0	$13.942^{+0.088}_{-0.089}$ Gyr
τ	0.084 ± 0.012	θ_*	$0.010400^{+0.000014}_{-0.000015}$
θ_*	$0.59590^{+0.00081}_{-0.00087}$ $^\circ$	τ_{rec}	282.7 ± 1.4
t_{reion}	448^{+64}_{-65} Myr	t_*	373884^{+2330}_{-2380} yr
w	-1.34 ± 0.14	z_d	$1019.39^{+0.85}_{-0.84}$
z_{eq}	3292^{+67}_{-66}	z_{rec}	1089.03 ± 0.63
z_{reion}	10.5 ± 1.1	z_*	$1091.98^{+0.56}_{-0.57}$