

WMAP Cosmological Parameters

Model: olcdm+mnu

Data: wmap9+spt+act

$10^9 \Delta_{\mathcal{R}}^2$	2.60 ± 0.12	H_0	$56.2^{+8.2}_{-8.3}$ km/s/Mpc
$A_{\text{clustered}}$	< 13 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	13.9 ± 2.5
$A_{\text{Poisson}}^{\text{SPT}}$	> 15 (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5764 \pm 35 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	14078^{+113}_{-112} Mpc	$d_A(z_*)$	13920^{+116}_{-114} Mpc
$D_v(z=0.57)/r_s(z_d)$	15.3 ± 1.4	η	$(5.93 \pm 0.11) \times 10^{-10}$
k_{eq}	$0.01023^{+0.00030}_{-0.00031}$	ℓ_{eq}	142.3 ± 3.2
ℓ_*	$302.03^{+0.44}_{-0.43}$	$\sum m_\nu$	< 1.6 eV (95% CL)
n_b	$(2.437 \pm 0.047) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.945 ± 0.013
Ω_b	0.073 ± 0.021	$\Omega_b h^2$	0.02170 ± 0.00042
Ω_c	0.40 ± 0.12	$\Omega_c h^2$	0.1180 ± 0.0043
Ω_k	-0.018 ± 0.026	Ω_k	$-0.093 < \Omega_k < 0.022$ (95% CL)
Ω_Λ	0.51 ± 0.14	Ω_m	0.51 ± 0.16
$\Omega_m h^2$	$0.1503^{+0.0067}_{-0.0069}$	$\Omega_\nu h^2$	$0.0031 < \Omega_\nu h^2 < 0.0168$ (95% CL)
Ω_{tot}	1.018 ± 0.026	Ω_{tot}	$0.98 < \Omega_{\text{tot}} < 1.09$ (95% CL)
$r_s(z_d)$	151.5 ± 1.2 Mpc	$r_s(z_d)/D_v(z=0.106)$	0.282 ± 0.038
$r_s(z_d)/D_v(z=0.2)$	0.157 ± 0.019	$r_s(z_d)/D_v(z=0.35)$	0.096 ± 0.010
$r_s(z_d)/D_v(z=0.44)$	$0.0802^{+0.0080}_{-0.0081}$	$r_s(z_d)/D_v(z=0.54)$	$0.0686^{+0.0063}_{-0.0064}$
$r_s(z_d)/D_v(z=0.57)$	$0.0660^{+0.0059}_{-0.0060}$	$r_s(z_d)/D_v(z=0.6)$	0.0636 ± 0.0056
$r_s(z_d)/D_v(z=0.73)$	$0.0556^{+0.0044}_{-0.0045}$	$r_s(z_*)$	$144.8^{+1.2}_{-1.1}$
R	$1.799^{+0.027}_{-0.029}$	σ_8	$0.633^{+0.064}_{-0.061}$
$\sigma_8 \Omega_m^{0.5}$	$0.441^{+0.044}_{-0.045}$	$\sigma_8 \Omega_m^{0.6}$	$0.412^{+0.053}_{-0.052}$
A_{SZ}	< 1.3 (95% CL)	t_0	$14.78^{+0.88}_{-0.87}$ Gyr
τ	0.081 ± 0.012	θ_*	0.010402 ± 0.000015
θ_*	$0.59597^{+0.00085}_{-0.00086}$ °	τ_{rec}	280.8 ± 2.5
t_{reion}	442^{+64}_{-66} Myr	t_*	370326^{+4500}_{-4398} yr
z_d	$1018.91^{+0.89}_{-0.90}$	z_{eq}	3345^{+98}_{-99}
z_{rec}	$1089.70^{+0.87}_{-0.86}$	z_{reion}	10.4 ± 1.1
z_*	1092.62 ± 0.83		