

WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.423^{+0.073}_{-0.074}$	H_0	72.9 ± 1.9 km/s/Mpc
N_{eff}	3.84 ± 0.40	$A_{\text{clustered}}$	$5.0^{+3.9}_{-5.0}$
$A_{\text{Poisson}}^{\text{ACT}}$	$14.2^{+2.6}_{-2.5}$	$A_{\text{Poisson}}^{\text{SPT}}$	22.7 ± 4.2
$\ell(\ell+1)C_{220}/(2\pi)$	$5747^{+32}_{-31} \mu\text{K}^2$	$d_A(z_{\text{eq}})$	13496 ± 328 Mpc
$d_A(z_*)$	13338 ± 324 Mpc	$D_v(z=0.57)/r_s(z_d)$	13.39 ± 0.11
	$0.0000000006141 \pm 0.0000000000095$	η	$(6.141 \pm 0.095) \times 10^{-10}$
k_{eq}	$0.01054^{+0.00028}_{-0.00029}$	ℓ_{eq}	140.5 ± 1.4
ℓ_*	$302.77^{+0.50}_{-0.49}$	n_b	$(2.522 \pm 0.039) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.975 ± 0.010	Ω_b	0.0424 ± 0.0020
$\Omega_b h^2$	0.02246 ± 0.00035	Ω_c	0.2439 ± 0.0089
$\Omega_c h^2$	$0.1295^{+0.0074}_{-0.0075}$	Ω_Λ	$0.7137^{+0.0095}_{-0.0093}$
Ω_m	$0.2863^{+0.0093}_{-0.0095}$	$\Omega_m h^2$	$0.1520^{+0.0074}_{-0.0076}$
$r_s(z_d)$	144.6 ± 3.7 Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3421 ± 0.0042
$r_s(z_d)/D_v(z=0.2)$	0.1869 ± 0.0021	$r_s(z_d)/D_v(z=0.35)$	0.1124 ± 0.0011
$r_s(z_d)/D_v(z=0.44)$	$0.09231^{+0.00087}_{-0.00086}$	$r_s(z_d)/D_v(z=0.54)$	$0.07800^{+0.00067}_{-0.00066}$
$r_s(z_d)/D_v(z=0.57)$	$0.07471^{+0.00063}_{-0.00062}$	$r_s(z_d)/D_v(z=0.6)$	$0.07177^{+0.00059}_{-0.00058}$
$r_s(z_d)/D_v(z=0.73)$	$0.06189^{+0.00046}_{-0.00045}$	$r_s(z_*)$	138.4 ± 3.5
R	$1.7328^{+0.0057}_{-0.0058}$	σ_8	0.857 ± 0.023
A_{SZ}	$0.48^{+0.38}_{-0.48}$	t_0	13.11 ± 0.32 Gyr
τ	$0.080^{+0.011}_{-0.012}$	θ_*	0.010376 ± 0.000017
θ_*	$0.59451^{+0.00096}_{-0.00098} \text{ }^\circ$	τ_{rec}	$269.3^{+6.6}_{-6.7}$
t_{reion}	447^{+65}_{-64} Myr	t_*	356386^{+8947}_{-9033} yr
z_d	1021.6 ± 1.1	z_{eq}	3284^{+46}_{-47}
z_{rec}	$1089.69^{+0.78}_{-0.76}$	z_{reion}	10.3 ± 1.1
z_*	1092.54 ± 0.66		