

WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act+snls3+h0

$10^9 \Delta_{\mathcal{R}}^2$	2.363 ± 0.077	H_0	74.4 ± 2.0 km/s/Mpc
N_{eff}	$3.66^{+0.40}_{-0.39}$	$A_{\text{clustered}}$	< 12 (95% CL)
$A_{\text{Poisson}}^{\text{ACT}}$	14.3 ± 2.5	$A_{\text{Poisson}}^{\text{SPT}}$	> 15 (95% CL)
$\ell(\ell+1)C_{220}/(2\pi)$	$5757 \pm 32 \mu\text{K}^2$	$d_A(z_{\text{eq}})$	13734^{+349}_{-348} Mpc
$d_A(z_*)$	13576 ± 345 Mpc	$D_v(z = 0.57)/r_s(z_d)$	12.79 ± 0.21
η	$(6.186 \pm 0.099) \times 10^{-10}$	k_{eq}	0.01008 ± 0.00034
ℓ_{eq}	136.8 ± 2.1	ℓ_*	$302.42^{+0.52}_{-0.51}$
n_b	$(2.541 \pm 0.041) \times 10^{-7} \text{ cm}^{-3}$	n_s	0.981 ± 0.011
Ω_b	0.0409 ± 0.0020	$\Omega_b h^2$	0.02262 ± 0.00036
Ω_c	0.219 ± 0.013	$\Omega_c h^2$	0.1212 ± 0.0079
Ω_Λ	0.740 ± 0.014	Ω_m	0.260 ± 0.014
$\Omega_m h^2$	0.1438 ± 0.0080	$r_s(z_d)$	147.3 ± 3.9 Mpc
$r_s(z_d)/D_v(z = 0.106)$	0.3622 ± 0.0077	$r_s(z_d)/D_v(z = 0.2)$	0.1973 ± 0.0040
$r_s(z_d)/D_v(z = 0.35)$	0.1182 ± 0.0022	$r_s(z_d)/D_v(z = 0.44)$	0.0969 ± 0.0017
$r_s(z_d)/D_v(z = 0.54)$	0.0817 ± 0.0013	$r_s(z_d)/D_v(z = 0.57)$	0.0782 ± 0.0013
$r_s(z_d)/D_v(z = 0.6)$	0.0751 ± 0.0012	$r_s(z_d)/D_v(z = 0.73)$	0.06457 ± 0.00097
$r_s(z_*)$	141.0 ± 3.7	R	1.7155 ± 0.0095
σ_8	0.834 ± 0.026	$\sigma_8 \Omega_m^{0.5}$	0.425 ± 0.021
$\sigma_8 \Omega_m^{0.6}$	$0.371^{+0.020}_{-0.021}$	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.26 ± 0.11	A_{SZ}	< 1.2 (95% CL)
t_0	$13.18^{+0.31}_{-0.32}$ Gyr	τ	0.087 ± 0.013
θ_*	0.010388 ± 0.000018	θ_*	0.5952 ± 0.0010 °
τ_{rec}	274.7 ± 7.2	t_{reion}	437^{+63}_{-64} Myr
t_*	364582^{+9830}_{-9811} yr	z_d	1021.3 ± 1.1
z_{eq}	3176^{+66}_{-65}	z_{rec}	1088.91 ± 0.82
z_{reion}	10.7 ± 1.1	z_*	$1091.61^{+0.76}_{-0.75}$