

WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+spt+act+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.416 ± 0.078	H_0	$69.51^{+0.86}_{-0.85}$ km/s/Mpc
$A_{\text{clustered}}$	< 14 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$13.2^{+2.8}_{-2.7}$
$A_{\text{Poisson}}^{\text{SPT}}$	> 13 (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	5747 ± 32 μK^2
$d_A(z_{\text{eq}})$	14086^{+80}_{-81} Mpc	$d_A(z_*)$	13919^{+81}_{-82} Mpc
$D_v(z=0.57)/r_s(z_d)$	13.37 ± 0.11	η	$(6.16^{+0.11}_{-0.10}) \times 10^{-10}$
k_{eq}	0.01019 ± 0.00016	ℓ_{eq}	141.8 ± 1.5
ℓ_*	$301.62^{+0.49}_{-0.50}$	n_b	$(2.528 \pm 0.043) \times 10^{-7}$ cm^{-3}
n_s	0.974 ± 0.011	Ω_b	0.04661 ± 0.00095
$\Omega_b h^2$	0.02251 ± 0.00038	Ω_c	$0.2425^{+0.0089}_{-0.0090}$
$\Omega_c h^2$	0.1171 ± 0.0021	Ω_Λ	$0.7109^{+0.0099}_{-0.0098}$
Ω_m	$0.2891^{+0.0098}_{-0.0099}$	$\Omega_m h^2$	0.1396 ± 0.0022
$r_s(z_d)$	$151.45^{+0.81}_{-0.82}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3420 ± 0.0043
$r_s(z_d)/D_v(z=0.2)$	0.1869 ± 0.0022	$r_s(z_d)/D_v(z=0.35)$	0.1125 ± 0.0012
$r_s(z_d)/D_v(z=0.44)$	$0.09239^{+0.00089}_{-0.00088}$	$r_s(z_d)/D_v(z=0.54)$	$0.07808^{+0.00069}_{-0.00068}$
$r_s(z_d)/D_v(z=0.57)$	0.07480 ± 0.00064	$r_s(z_d)/D_v(z=0.6)$	0.07185 ± 0.00060
$r_s(z_d)/D_v(z=0.73)$	0.06198 ± 0.00046	$r_s(z_*)$	$144.98^{+0.67}_{-0.69}$
R	1.7346 ± 0.0059	σ_8	$0.840^{+0.018}_{-0.017}$
$\sigma_8 \Omega_m^{0.5}$	0.452 ± 0.014	$\sigma_8 \Omega_m^{0.6}$	$0.399^{+0.014}_{-0.013}$
α_{SNLS}	1.43 ± 0.11	β_{SNLS}	3.25 ± 0.11
A_{SZ}	< 1.5 (95% CL)	t_0	$13.700^{+0.075}_{-0.076}$ Gyr
τ	0.083 ± 0.012	θ_*	0.010416 ± 0.000017
θ_*	$0.59678^{+0.00098}_{-0.00097}$ $^\circ$	τ_{rec}	281.8 ± 1.2
t_{reion}	449^{+64}_{-65} Myr	t_*	373356^{+1875}_{-1887} yr
Y_{He}	0.295 ± 0.027	z_d	$1020.73^{+0.94}_{-0.92}$
z_{eq}	3341 ± 53	z_{rec}	1090.5 ± 1.0
z_{reion}	10.6 ± 1.1	z_*	1091.41 ± 0.50