
WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+spt+act+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.424 ± 0.078	H_0	$69.21 \pm 0.87 \text{ km/s/Mpc}$
$A_{\text{clustered}}$	< 14 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	13.3 ± 2.8
$A_{\text{Poisson}}^{\text{SPT}}$	> 13 (95% CL)	$\ell(\ell + 1)C_{220}/(2\pi)$	$5744 \pm 32 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14075^{+79}_{-80} \text{ Mpc}$	$d_A(z_*)$	$13908 \pm 80 \text{ Mpc}$
$D_v(z = 0.57)/r_s(z_d)$	13.41 ± 0.12	η	$(6.14 \pm 0.11) \times 10^{-10}$
k_{eq}	0.01023 ± 0.00016	ℓ_{eq}	142.3 ± 1.5
ℓ_*	301.65 ± 0.49	n_b	$(2.523 \pm 0.043) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.973 ± 0.011	Ω_b	$0.04691^{+0.00098}_{-0.00097}$
$\Omega_b h^2$	0.02247 ± 0.00039	Ω_c	$0.2459^{+0.0095}_{-0.0094}$
$\Omega_c h^2$	0.1177 ± 0.0021	Ω_Λ	0.707 ± 0.010
Ω_m	0.293 ± 0.010	$\Omega_m h^2$	0.1402 ± 0.0022
$r_s(z_d)$	$151.34^{+0.80}_{-0.81} \text{ Mpc}$	$r_s(z_d)/D_v(z = 0.106)$	$0.3405^{+0.0044}_{-0.0045}$
$r_s(z_d)/D_v(z = 0.2)$	$0.1861^{+0.0022}_{-0.0023}$	$r_s(z_d)/D_v(z = 0.35)$	0.1120 ± 0.0012
$r_s(z_d)/D_v(z = 0.44)$	$0.09206^{+0.00090}_{-0.00091}$	$r_s(z_d)/D_v(z = 0.54)$	0.07783 ± 0.00070
$r_s(z_d)/D_v(z = 0.57)$	$0.07456^{+0.00065}_{-0.00066}$	$r_s(z_d)/D_v(z = 0.6)$	0.07163 ± 0.00061
$r_s(z_d)/D_v(z = 0.73)$	0.06181 ± 0.00047	$r_s(z_*)$	144.85 ± 0.67
R	$1.7367^{+0.0061}_{-0.0060}$	σ_8	0.842 ± 0.017
$\sigma_8 \Omega_m^{0.5}$	0.455 ± 0.014	$\sigma_8 \Omega_m^{0.6}$	0.403 ± 0.014
A_{SZ}	< 1.5 (95% CL)	t_0	$13.710 \pm 0.076 \text{ Gyr}$
τ	0.082 ± 0.012	θ_*	0.010415 ± 0.0000017
θ_*	$0.59672 \pm 0.00097^\circ$	τ_{rec}	281.5 ± 1.2
t_{reion}	$453^{+64}_{-66} \text{ Myr}$	t_*	$372814^{+1881}_{-1897} \text{ yr}$
Y_{He}	0.295 ± 0.027	z_d	$1020.68^{+0.93}_{-0.94}$
z_{eq}	3355 ± 53	z_{rec}	1090.5 ± 1.0
z_{reion}	10.5 ± 1.1	z_*	$1091.53^{+0.51}_{-0.52}$
