
 WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+spt+act

$10^9 \Delta_{\mathcal{R}}^2$	2.360 ± 0.089	H_0	$71.3 \pm 1.7 \text{ km/s/Mpc}$
$A_{\text{clustered}}$	< 14 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	13.1 ± 2.8
$A_{\text{Poisson}}^{\text{SPT}}$	> 13 (95% CL)	$\ell(\ell + 1)C_{220}/(2\pi)$	$5757 \pm 33 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14147 \pm 96 \text{ Mpc}$	$d_A(z_*)$	$13982 \pm 97 \text{ Mpc}$
$D_v(z = 0.57)/r_s(z_d)$	13.12 ± 0.24	η	$(6.21 \pm 0.12) \times 10^{-10}$
k_{eq}	0.00995 ± 0.00025	ℓ_{eq}	139.1 ± 2.7
ℓ_*	301.38 ± 0.53	n_b	$(2.551 \pm 0.048) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.982 ± 0.013	Ω_b	0.0448 ± 0.0017
$\Omega_b h^2$	0.02272 ± 0.00043	Ω_c	0.224 ± 0.017
$\Omega_c h^2$	0.1136 ± 0.0035	Ω_Λ	0.731 ± 0.019
Ω_m	0.269 ± 0.019	$\Omega_m h^2$	0.1363 ± 0.0035
$r_s(z_d)$	$152.2 \pm 1.0 \text{ Mpc}$	$r_s(z_d)/D_v(z = 0.106)$	0.3517 ± 0.0092
$r_s(z_d)/D_v(z = 0.2)$	0.1918 ± 0.0047	$r_s(z_d)/D_v(z = 0.35)$	0.1151 ± 0.0025
$r_s(z_d)/D_v(z = 0.44)$	0.0944 ± 0.0019	$r_s(z_d)/D_v(z = 0.54)$	0.0796 ± 0.0015
$r_s(z_d)/D_v(z = 0.57)$	0.0762 ± 0.0014	$r_s(z_d)/D_v(z = 0.6)$	0.0732 ± 0.0013
$r_s(z_d)/D_v(z = 0.73)$	0.06303 ± 0.00099	$r_s(z_*)$	145.75 ± 0.93
R	1.722 ± 0.012	σ_8	0.830 ± 0.020
$\sigma_8 \Omega_m^{0.5}$	0.430 ± 0.022	$\sigma_8 \Omega_m^{0.6}$	0.377 ± 0.022
A_{SZ}	< 1.5 (95% CL)	t_0	$13.637 \pm 0.092 \text{ Gyr}$
τ	0.088 ± 0.014	θ_*	0.010424 ± 0.000018
θ_*	$0.5973 \pm 0.0010^\circ$	τ_{rec}	283.6 ± 1.9
t_{reion}	$436_{-64}^{+63} \text{ Myr}$	t_*	$376490_{-3212}^{+3216} \text{ yr}$
Y_{He}	0.299 ± 0.027	z_d	1020.87 ± 0.96
z_{eq}	3263 ± 83	z_{rec}	1090.1 ± 1.1
z_{reion}	10.9 ± 1.2	z_*	$1090.85_{-0.70}^{+0.69}$