

WMAP Cosmological Parameters

Model:  $\Lambda$ CDM

Data: wmap9+spt+act+snls3+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.427 \pm 0.086$	$H_0$	$73.8 \pm 2.1$ km/s/Mpc
$A_{\text{clustered}}$	$< 11$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$14.8 \pm 2.3$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 17$ (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5746 \pm 34$ $\mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14238 \pm 88$ Mpc	$d_A(z_*)$	$14068 \pm 91$ Mpc
$D_v(z = 0.57)/r_s(z_d)$	$12.73 \pm 0.28$	$\eta$	$(6.10 \pm 0.10) \times 10^{-10}$
$k_{\text{eq}}$	$0.00985 \pm 0.00026$	$\ell_{\text{eq}}$	$138.5 \pm 2.8$
$\ell_*$	$302.03 \pm 0.42$	$n_b$	$(2.507^{+0.042}_{-0.041}) \times 10^{-7}$ $\text{cm}^{-3}$
$n_s$	$0.9657^{+0.0097}_{-0.0098}$	$\Omega_b$	$0.0410^{+0.0025}_{-0.0024}$
$\Omega_b h^2$	$0.02233 \pm 0.00037$	$\Omega_c$	$0.207 \pm 0.013$
$\Omega_c h^2$	$0.1126 \pm 0.0036$	$\Omega_k$	$0.0053 \pm 0.0046$
$\Omega_k$	$-0.0041 < \Omega_k < 0.0142$ (95% CL)	$\Omega_\Lambda$	$0.747 \pm 0.014$
$\Omega_m$	$0.248 \pm 0.015$	$\Omega_m h^2$	$0.1349 \pm 0.0035$
$\Omega_{\text{tot}}$	$0.9947 \pm 0.0046$	$\Omega_{\text{tot}}$	$0.99 < \Omega_{\text{tot}} < 1.00$ (95% CL)
$r_s(z_d)$	$153.0 \pm 1.0$ Mpc	$r_s(z_d)/D_v(z = 0.106)$	$0.365 \pm 0.010$
$r_s(z_d)/D_v(z = 0.2)$	$0.1990 \pm 0.0052$	$r_s(z_d)/D_v(z = 0.35)$	$0.1191 \pm 0.0029$
$r_s(z_d)/D_v(z = 0.44)$	$0.0975 \pm 0.0023$	$r_s(z_d)/D_v(z = 0.54)$	$0.0821 \pm 0.0018$
$r_s(z_d)/D_v(z = 0.57)$	$0.0786 \pm 0.0017$	$r_s(z_d)/D_v(z = 0.6)$	$0.0754 \pm 0.0016$
$r_s(z_d)/D_v(z = 0.73)$	$0.0648 \pm 0.0013$	$r_s(z_*)$	$146.33 \pm 0.93$
$R$	$1.723 \pm 0.013$	$\sigma_8$	$0.813 \pm 0.019$
$\sigma_8 \Omega_m^{0.5}$	$0.405 \pm 0.017$	$\sigma_8 \Omega_m^{0.6}$	$0.352 \pm 0.017$
$\alpha_{\text{SNLS}}$	$1.43 \pm 0.11$	$\beta_{\text{SNLS}}$	$3.26 \pm 0.11$
$A_{\text{SZ}}$	$< 1.1$ (95% CL)	$t_0$	$13.44 \pm 0.23$ Gyr
$\tau$	$0.085 \pm 0.013$	$\theta_*$	$0.010402 \pm 0.000015$
$\theta_*$	$0.59597 \pm 0.00083$ $^\circ$	$\tau_{\text{rec}}$	$284.7 \pm 1.9$
$t_{\text{reion}}$	$466 \pm 64$ Myr	$t_*$	$377490^{+3348}_{-3353}$ yr
$z_d$	$1019.87^{+0.81}_{-0.80}$	$z_{\text{eq}}$	$3229 \pm 85$
$z_{\text{rec}}$	$1088.39 \pm 0.68$	$z_{\text{reion}}$	$10.4 \pm 1.1$
$z_*$	$1091.27 \pm 0.68$		