

WMAP Cosmological Parameters

Model: lcdm+yhe

Data: wmap9+spt+act+snls3+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.322^{+0.081}_{-0.080}$	$H_0$	$72.5 \pm 1.3$ km/s/Mpc
$A_{\text{clustered}}$	$< 14$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$13.1 \pm 2.7$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 13$ (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5766 \pm 32$ $\mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14184 \pm 91$ Mpc	$d_A(z_*)$	$14019 \pm 92$ Mpc
$D_v(z=0.57)/r_s(z_d)$	$12.95 \pm 0.18$	$\eta$	$(6.26 \pm 0.11) \times 10^{-10}$
$k_{\text{eq}}$	$0.00980 \pm 0.00021$	$\ell_{\text{eq}}$	$137.3 \pm 2.2$
$\ell_*$	$301.21 \pm 0.50$	$n_b$	$(2.571 \pm 0.045) \times 10^{-7}$ $\text{cm}^{-3}$
$n_s$	$0.987 \pm 0.012$	$\Omega_b$	$0.0436 \pm 0.0014$
$\Omega_b h^2$	$0.02289 \pm 0.00040$	$\Omega_c$	$0.212 \pm 0.013$
$\Omega_c h^2$	$0.1113 \pm 0.0029$	$\Omega_\Lambda$	$0.744 \pm 0.014$
$\Omega_m$	$0.256 \pm 0.014$	$\Omega_m h^2$	$0.1342 \pm 0.0029$
$r_s(z_d)$	$152.65 \pm 0.96$ Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.3583^{+0.0072}_{-0.0073}$
$r_s(z_d)/D_v(z=0.2)$	$0.1951 \pm 0.0037$	$r_s(z_d)/D_v(z=0.35)$	$0.1169 \pm 0.0020$
$r_s(z_d)/D_v(z=0.44)$	$0.0957 \pm 0.0015$	$r_s(z_d)/D_v(z=0.54)$	$0.0807 \pm 0.0012$
$r_s(z_d)/D_v(z=0.57)$	$0.0772 \pm 0.0011$	$r_s(z_d)/D_v(z=0.6)$	$0.0741 \pm 0.0010$
$r_s(z_d)/D_v(z=0.73)$	$0.06374 \pm 0.00079$	$r_s(z_*)$	$146.22 \pm 0.84$
$R$	$1.7130 \pm 0.0095$	$\sigma_8$	$0.824 \pm 0.020$
$\sigma_8 \Omega_m^{0.5}$	$0.416 \pm 0.018$	$\sigma_8 \Omega_m^{0.6}$	$0.363 \pm 0.018$
$\alpha_{\text{SNLS}}$	$1.43 \pm 0.11$	$\beta_{\text{SNLS}}$	$3.26 \pm 0.11$
$A_{\text{SZ}}$	$< 1.6$ (95% CL)	$t_0$	$13.590^{+0.082}_{-0.081}$ Gyr
$\tau$	$0.092 \pm 0.014$	$\theta_*$	$0.010430 \pm 0.000017$
$\theta_*$	$0.59759 \pm 0.00100$ $^\circ$	$\tau_{\text{rec}}$	$284.7 \pm 1.6$
$t_{\text{reion}}$	$425^{+61}_{-62}$ Myr	$t_*$	$378554^{+2679}_{-2696}$ yr
$Y_{\text{He}}$	$0.302 \pm 0.027$	$z_d$	$1021.05^{+0.96}_{-0.95}$
$z_{\text{eq}}$	$3213 \pm 70$	$z_{\text{rec}}$	$1089.9 \pm 1.1$
$z_{\text{reion}}$	$11.2 \pm 1.2$	$z_*$	$1090.42 \pm 0.58$