

WMAP Cosmological Parameters

Model: lcdm+run+tens

Data: wmap9+spt+act

$10^9 \Delta_{\mathcal{R}}^2$	$2.14_{-0.16}^{+0.15}$	$H_0$	$70.6_{-1.9}^{+2.0}$ km/s/Mpc
$A_{\text{clustered}}$	$< 13$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$13.4 \pm 2.7$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 13$ (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5761_{-33}^{+34}$ $\mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14171_{-94}^{+95}$ Mpc	$d_A(z_*)$	$14005 \pm 96$ Mpc
$dn_s/d \ln k$	$-0.039 \pm 0.016$	$D_v(z = 0.57)/r_s(z_d)$	$13.20_{-0.28}^{+0.27}$
$\eta$	$(6.19 \pm 0.12) \times 10^{-10}$	$k_{\text{eq}}$	$0.00996 \pm 0.00028$
$\ell_{\text{eq}}$	$139.4 \pm 3.1$	$\ell_*$	$301.85 \pm 0.44$
$n_b$	$(2.542 \pm 0.051) \times 10^{-7}$ $\text{cm}^{-3}$	$n_s$	$1.076 \pm 0.048$
$n_t$	$> -0.066$ (95% CL)	$\Omega_b$	$0.0455 \pm 0.0020$
$\Omega_b h^2$	$0.02263_{-0.00045}^{+0.00046}$	$\Omega_c$	$0.229_{-0.021}^{+0.020}$
$\Omega_c h^2$	$0.1138_{-0.0041}^{+0.0040}$	$\Omega_\Lambda$	$0.725_{-0.022}^{+0.023}$
$\Omega_m$	$0.275_{-0.023}^{+0.022}$	$\Omega_m h^2$	$0.1364 \pm 0.0039$
$r$	$< 0.53$ (95% CL)	$r_s(z_d)$	$152.3 \pm 1.0$ Mpc
$r_s(z_d)/D_v(z = 0.106)$	$0.349 \pm 0.011$	$r_s(z_d)/D_v(z = 0.2)$	$0.1903 \pm 0.0054$
$r_s(z_d)/D_v(z = 0.35)$	$0.1142_{-0.0028}^{+0.0029}$	$r_s(z_d)/D_v(z = 0.44)$	$0.0937 \pm 0.0022$
$r_s(z_d)/D_v(z = 0.54)$	$0.0791 \pm 0.0017$	$r_s(z_d)/D_v(z = 0.57)$	$0.0758 \pm 0.0016$
$r_s(z_d)/D_v(z = 0.6)$	$0.0728 \pm 0.0015$	$r_s(z_d)/D_v(z = 0.73)$	$0.0627 \pm 0.0011$
$r_s(z_*)$	$145.76 \pm 0.98$	$R$	$1.725 \pm 0.014$
$\sigma_8$	$0.814 \pm 0.019$	$\sigma_8 \Omega_m^{0.5}$	$0.426 \pm 0.025$
$\sigma_8 \Omega_m^{0.6}$	$0.375 \pm 0.025$	$A_{\text{SZ}}$	$< 1.4$ (95% CL)
$t_0$	$13.694_{-0.090}^{+0.089}$ Gyr	$\tau$	$0.095 \pm 0.015$
$\theta_*$	$0.010408 \pm 0.000015$	$\theta_*$	$0.59633 \pm 0.00087$ $^\circ$
$\tau_{\text{rec}}$	$283.9 \pm 2.1$	$t_{\text{reion}}$	$423 \pm 61$ Myr
$t_*$	$376342 \pm 3672$ yr	$z_d$	$1020.69 \pm 0.94$
$z_{\text{eq}}$	$3266_{-93}^{+92}$	$z_{\text{rec}}$	$1088.16_{-0.76}^{+0.77}$
$z_{\text{reion}}$	$11.1 \pm 1.2$	$z_*$	$1090.98_{-0.82}^{+0.80}$