

WMAP Cosmological Parameters

Model:  $\Lambda$ CDM

Data: wmap9+spt+act+snls3+bao+h0

$10^9 \Delta_{\mathcal{R}}^2$	$2.419^{+0.086}_{-0.085}$	$H_0$	$69.09^{+0.96}_{-0.95}$ km/s/Mpc
$A_{\text{clustered}}$	$< 10$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$14.9^{+2.3}_{-2.2}$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 17$ (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5753 \pm 34 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14229 \pm 86$ Mpc	$d_A(z_*)$	$14067 \pm 90$ Mpc
$D_v(z=0.57)/r_s(z_d)$	$13.38 \pm 0.13$	$\eta$	$(6.12 \pm 0.10) \times 10^{-10}$
$k_{\text{eq}}$	$0.00984 \pm 0.00026$	$\ell_{\text{eq}}$	$138.4 \pm 2.8$
$\ell_*$	$301.99^{+0.42}_{-0.41}$	$n_b$	$(2.513^{+0.042}_{-0.041}) \times 10^{-7} \text{ cm}^{-3}$
$n_s$	$0.9659 \pm 0.0098$	$\Omega_b$	$0.0469 \pm 0.0014$
$\Omega_b h^2$	$0.02238 \pm 0.00037$	$\Omega_c$	$0.2355 \pm 0.0089$
$\Omega_c h^2$	$0.1124 \pm 0.0036$	$\Omega_k$	$-0.0031^{+0.0038}_{-0.0039}$
$\Omega_k$	$-0.0106 < \Omega_k < 0.0048$ (95% CL)	$\Omega_\Lambda$	$0.721 \pm 0.011$
$\Omega_m$	$0.2824 \pm 0.0094$	$\Omega_m h^2$	$0.1348 \pm 0.0035$
$\Omega_{\text{tot}}$	$1.0031^{+0.0039}_{-0.0038}$	$\Omega_{\text{tot}}$	$1.00 < \Omega_{\text{tot}} < 1.01$ (95% CL)
$r_s(z_d)$	$152.96 \pm 0.98$ Mpc	$r_s(z_d)/D_v(z=0.106)$	$0.3431 \pm 0.0044$
$r_s(z_d)/D_v(z=0.2)$	$0.1873^{+0.0022}_{-0.0023}$	$r_s(z_d)/D_v(z=0.35)$	$0.1126 \pm 0.0012$
$r_s(z_d)/D_v(z=0.44)$	$0.09242^{+0.00096}_{-0.00095}$	$r_s(z_d)/D_v(z=0.54)$	$0.07807^{+0.00077}_{-0.00076}$
$r_s(z_d)/D_v(z=0.57)$	$0.07477 \pm 0.00072$	$r_s(z_d)/D_v(z=0.6)$	$0.07181^{+0.00069}_{-0.00068}$
$r_s(z_d)/D_v(z=0.73)$	$0.06190 \pm 0.00056$	$r_s(z_*)$	$146.34^{+0.91}_{-0.92}$
$R$	$1.722 \pm 0.013$	$\sigma_8$	$0.808^{+0.019}_{-0.018}$
$\sigma_8 \Omega_m^{0.5}$	$0.429 \pm 0.014$	$\sigma_8 \Omega_m^{0.6}$	$0.378 \pm 0.013$
$\alpha_{\text{SNLS}}$	$1.43^{+0.10}_{-0.11}$	$\beta_{\text{SNLS}}$	$3.26 \pm 0.11$
$A_{\text{SZ}}$	$< 1.0$ (95% CL)	$t_0$	$13.89 \pm 0.16$ Gyr
$\tau$	$0.084 \pm 0.013$	$\theta_*$	$0.010403 \pm 0.000014$
$\theta_*$	$0.59604^{+0.00081}_{-0.00083} \text{ }^\circ$	$\tau_{\text{rec}}$	$284.8 \pm 1.9$
$t_{\text{reion}}$	$477^{+65}_{-67}$ Myr	$t_*$	$377655^{+3336}_{-3327}$ yr
$z_d$	$1019.97^{+0.82}_{-0.79}$	$z_{\text{eq}}$	$3226 \pm 84$
$z_{\text{rec}}$	$1088.33^{+0.68}_{-0.69}$	$z_{\text{reion}}$	$10.2 \pm 1.1$
$z_*$	$1091.19 \pm 0.67$		