

WMAP Cosmological Parameters

Model:  $\Lambda$ cdm+run

Data: wmap9+spt+act+ba0

$10^9 \Delta_{\mathcal{R}}^2$	$2.359 \pm 0.089$	$H_0$	$68.51^{+0.85}_{-0.86}$ km/s/Mpc
$A_{\text{clustered}}$	$< 13$ (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	$13.6 \pm 2.6$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 14$ (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5757 \pm 33 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14127 \pm 68$ Mpc	$d_A(z_*)$	$13960 \pm 68$ Mpc
$dn_s/d \ln k$	$-0.024 \pm 0.011$	$D_v(z=0.57)/r_s(z_d)$	$13.48 \pm 0.12$
$\eta$	$(6.060^{+0.091}_{-0.092}) \times 10^{-10}$	$k_{\text{eq}}$	$0.01019 \pm 0.00015$
$\ell_{\text{eq}}$	$142.2 \pm 1.5$	$\ell_*$	$302.12 \pm 0.39$
$n_b$	$(2.489^{+0.037}_{-0.038}) \times 10^{-7} \text{ cm}^{-3}$	$n_s$	$1.020 \pm 0.029$
$\Omega_b$	$0.0472 \pm 0.0010$	$\Omega_b h^2$	$0.02216^{+0.00033}_{-0.00034}$
$\Omega_c$	$0.2503 \pm 0.0098$	$\Omega_c h^2$	$0.1174 \pm 0.0021$
$\Omega_\Lambda$	$0.702 \pm 0.011$	$\Omega_m$	$0.298 \pm 0.011$
$\Omega_m h^2$	$0.1396 \pm 0.0021$	$r_s(z_d)$	$151.78 \pm 0.71$ Mpc
$r_s(z_d)/D_v(z=0.106)$	$0.3382 \pm 0.0045$	$r_s(z_d)/D_v(z=0.2)$	$0.1849 \pm 0.0023$
$r_s(z_d)/D_v(z=0.35)$	$0.1114 \pm 0.0012$	$r_s(z_d)/D_v(z=0.44)$	$0.09158 \pm 0.00092$
$r_s(z_d)/D_v(z=0.54)$	$0.07745 \pm 0.00071$	$r_s(z_d)/D_v(z=0.57)$	$0.07420^{+0.00066}_{-0.00067}$
$r_s(z_d)/D_v(z=0.6)$	$0.07129 \pm 0.00062$	$r_s(z_d)/D_v(z=0.73)$	$0.06154 \pm 0.00048$
$r_s(z_*)$	$145.16 \pm 0.60$	$R$	$1.7394 \pm 0.0062$
$\sigma_8$	$0.825 \pm 0.014$	$\sigma_8 \Omega_m^{0.5}$	$0.450 \pm 0.013$
$\sigma_8 \Omega_m^{0.6}$	$0.399 \pm 0.013$	$A_{\text{SZ}}$	$< 1.4$ (95% CL)
$t_0$	$13.789 \pm 0.061$ Gyr	$\tau$	$0.088 \pm 0.013$
$\theta_*$	$0.010398^{+0.000014}_{-0.000013}$	$\theta_*$	$0.59578^{+0.00078}_{-0.00077} \text{ }^\circ$
$\tau_{\text{rec}}$	$282.2 \pm 1.1$	$t_{\text{reion}}$	$439^{+63}_{-64}$ Myr
$t_*$	$373099^{+1835}_{-1831}$ yr	$z_d$	$1019.95^{+0.80}_{-0.81}$
$z_{\text{eq}}$	$3340 \pm 50$	$z_{\text{rec}}$	$1088.90^{+0.58}_{-0.59}$
$z_{\text{reion}}$	$10.8 \pm 1.1$	$z_*$	$1091.92^{+0.48}_{-0.49}$