

WMAP Cosmological Parameters

Model: lcdm+iso+corr

Data: wmap9+spt+act+bao+h0

| | | | |
|-----------------------------------|--|-----------------------------------|-----------------------------------|
| $10^9 \Delta_{\mathcal{R}}^2$ | 2.404 ± 0.076 | H_0 | $69.57^{+0.81}_{-0.82}$ km/s/Mpc |
| $A_{\text{clustered}}$ | < 10 (95% CL) | α_{-1} | < 0.0039 (95% CL) |
| $A_{\text{Poisson}}^{\text{ACT}}$ | 15.0 ± 2.3 | $A_{\text{Poisson}}^{\text{SPT}}$ | > 17 (95% CL) |
| $\ell(\ell+1)C_{220}/(2\pi)$ | $5736 \pm 32 \mu\text{K}^2$ | $d_A(z_{\text{eq}})$ | 14175 ± 66 Mpc |
| $d_A(z_*)$ | 14009 ± 66 Mpc | $D_v(z = 0.57)/r_s(z_d)$ | 13.31 ± 0.12 |
| η | $(6.062 \pm 0.091) \times 10^{-10}$ | k_{eq} | $0.01002^{+0.00014}_{-0.00015}$ |
| ℓ_{eq} | $140.4^{+1.4}_{-1.5}$ | ℓ_* | 301.94 ± 0.40 |
| n_b | $(2.490 \pm 0.037) \times 10^{-7} \text{ cm}^{-3}$ | n_s | $0.9662^{+0.0085}_{-0.0087}$ |
| Ω_b | $0.04582^{+0.00094}_{-0.00096}$ | $\Omega_b h^2$ | 0.02217 ± 0.00033 |
| Ω_c | 0.2381 ± 0.0088 | $\Omega_c h^2$ | 0.1151 ± 0.0019 |
| Ω_Λ | 0.7161 ± 0.0096 | Ω_m | 0.2839 ± 0.0096 |
| $\Omega_m h^2$ | $0.1373^{+0.0019}_{-0.0020}$ | $r_s(z_d)$ | $152.42^{+0.70}_{-0.69}$ Mpc |
| $r_s(z_d)/D_v(z = 0.106)$ | 0.3443 ± 0.0044 | $r_s(z_d)/D_v(z = 0.2)$ | 0.1880 ± 0.0022 |
| $r_s(z_d)/D_v(z = 0.35)$ | 0.1131 ± 0.0012 | $r_s(z_d)/D_v(z = 0.44)$ | $0.09284^{+0.00090}_{-0.00091}$ |
| $r_s(z_d)/D_v(z = 0.54)$ | 0.07844 ± 0.00070 | $r_s(z_d)/D_v(z = 0.57)$ | $0.07513^{+0.00065}_{-0.00066}$ |
| $r_s(z_d)/D_v(z = 0.6)$ | $0.07216^{+0.00061}_{-0.00062}$ | $r_s(z_d)/D_v(z = 0.73)$ | $0.06221^{+0.00047}_{-0.00048}$ |
| $r_s(z_*)$ | $145.76^{+0.59}_{-0.58}$ | R | 1.7313 ± 0.0059 |
| σ_8 | $0.821^{+0.014}_{-0.013}$ | $\sigma_8 \Omega_m^{0.5}$ | 0.437 ± 0.012 |
| $\sigma_8 \Omega_m^{0.6}$ | 0.386 ± 0.012 | A_{SZ} | < 1.0 (95% CL) |
| t_0 | 13.758 ± 0.060 Gyr | τ | 0.078 ± 0.012 |
| θ_* | 0.010405 ± 0.000014 | θ_* | $0.59614^{+0.00078}_{-0.00079}$ ° |
| τ_{rec} | 283.3 ± 1.0 | t_{reion} | 500^{+70}_{-71} Myr |
| t_* | 375141^{+1760}_{-1737} yr | z_d | $1019.76^{+0.79}_{-0.81}$ |
| z_{eq} | 3286^{+47}_{-48} | z_{rec} | $1088.73^{+0.60}_{-0.57}$ |
| z_{reion} | 9.8 ± 1.0 | z_* | $1091.71^{+0.47}_{-0.48}$ |