

WMAP Cosmological Parameters

Model: lcdm+run+tens

Data: wmap9+snls3+bao+h0

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|-------------------------------|---------------------------------|---------------------------|---|
| $10^9 \Delta_{\mathcal{R}}^2$ | 2.20 ± 0.15 | H_0 | 69.64 ± 0.92 km/s/Mpc |
| $\ell(\ell+1)C_{220}/(2\pi)$ | 5756 ± 34 μK^2 | $d_A(z_{\text{eq}})$ | 14118 ± 96 Mpc |
| $d_A(z_*)$ | 13952 ± 97 Mpc | $dn_s/d \ln k$ | -0.032 ± 0.023 |
| $D_v(z=0.57)/r_s(z_d)$ | 13.36 ± 0.12 | η | $(6.22 \pm 0.13) \times 10^{-10}$ |
| k_{eq} | 0.01012 ± 0.00019 | ℓ_{eq} | 141.2 ± 1.7 |
| ℓ_* | 302.04 ± 0.62 | n_b | $(2.554 \pm 0.054) \times 10^{-7}$ cm^{-3} |
| n_s | 1.060 ± 0.060 | n_t | > -0.060 (95% CL) |
| Ω_b | $0.04690_{-0.00099}^{+0.00100}$ | $\Omega_b h^2$ | 0.02274 ± 0.00048 |
| Ω_c | $0.2392_{-0.0096}^{+0.0097}$ | $\Omega_c h^2$ | $0.1159_{-0.0024}^{+0.0025}$ |
| Ω_Λ | 0.714 ± 0.010 | Ω_m | 0.286 ± 0.010 |
| $\Omega_m h^2$ | $0.1387_{-0.0025}^{+0.0026}$ | r | < 0.48 (95% CL) |
| $r_s(z_d)$ | 151.52 ± 0.94 Mpc | $r_s(z_d)/D_v(z=0.106)$ | 0.3427 ± 0.0045 |
| $r_s(z_d)/D_v(z=0.2)$ | 0.1872 ± 0.0023 | $r_s(z_d)/D_v(z=0.35)$ | 0.1126 ± 0.0012 |
| $r_s(z_d)/D_v(z=0.44)$ | $0.09248_{-0.00093}^{+0.00092}$ | $r_s(z_d)/D_v(z=0.54)$ | 0.07815 ± 0.00072 |
| $r_s(z_d)/D_v(z=0.57)$ | 0.07485 ± 0.00067 | $r_s(z_d)/D_v(z=0.6)$ | 0.07190 ± 0.00063 |
| $r_s(z_d)/D_v(z=0.73)$ | 0.06200 ± 0.00048 | $r_s(z_*)$ | 145.11 ± 0.78 |
| R | $1.7327_{-0.0063}^{+0.0064}$ | σ_8 | 0.827 ± 0.019 |
| $\sigma_8 \Omega_m^{0.5}$ | 0.442 ± 0.015 | $\sigma_8 \Omega_m^{0.6}$ | 0.390 ± 0.014 |
| α_{SNLS} | 1.43 ± 0.11 | β_{SNLS} | 3.25 ± 0.11 |
| A_{SZ} | < 2.0 (95% CL) | t_0 | 13.714 ± 0.090 Gyr |
| τ | 0.096 ± 0.015 | θ_* | 0.010401 ± 0.000021 |
| θ_* | 0.5959 ± 0.0012 $^\circ$ | τ_{rec} | 282.8 ± 1.3 |
| t_{reion} | 416 ± 65 Myr | t_* | 374390_{-2205}^{+2189} yr |
| z_d | 1021.1 ± 1.1 | z_{eq} | 3319 ± 61 |
| z_{rec} | $1088.20_{-0.66}^{+0.65}$ | z_{reion} | 11.2 ± 1.3 |
| z_* | $1091.02_{-0.63}^{+0.62}$ | | |