

WMAP Cosmological Parameters

Model: lcdm

Data: wmap9+spt+act+bao+h0

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|-----------------------------------|---------------------------------|-----------------------------------|---|
| $10^9 \Delta_{\mathcal{R}}^2$ | 2.464 ± 0.072 | H_0 | 69.32 ± 0.80 km/s/Mpc |
| $A_{\text{clustered}}$ | < 10 (95% CL) | $A_{\text{Poisson}}^{\text{ACT}}$ | $15.0^{+2.3}_{-2.4}$ |
| $A_{\text{Poisson}}^{\text{SPT}}$ | > 17 (95% CL) | $\ell(\ell+1)C_{220}/(2\pi)$ | 5743 ± 31 μK^2 |
| $d_A(z_{\text{eq}})$ | 14173^{+66}_{-65} Mpc | $d_A(z_*)$ | 14007^{+67}_{-66} Mpc |
| $D_v(z=0.57)/r_s(z_d)$ | 13.35 ± 0.11 | η | $(6.079 \pm 0.090) \times 10^{-10}$ |
| k_{eq} | 0.01004 ± 0.00014 | ℓ_{eq} | 140.7 ± 1.4 |
| ℓ_* | $302.13^{+0.39}_{-0.38}$ | n_b | $(2.497 \pm 0.037) \times 10^{-7}$ cm^{-3} |
| n_s | 0.9608 ± 0.0080 | Ω_b | 0.04628 ± 0.00093 |
| $\Omega_b h^2$ | 0.02223 ± 0.00033 | Ω_c | $0.2402^{+0.0088}_{-0.0087}$ |
| $\Omega_c h^2$ | 0.1153 ± 0.0019 | Ω_Λ | $0.7135^{+0.0095}_{-0.0096}$ |
| Ω_m | $0.2865^{+0.0096}_{-0.0095}$ | $\Omega_m h^2$ | 0.1376 ± 0.0020 |
| $r_s(z_d)$ | 152.28 ± 0.69 Mpc | $r_s(z_d)/D_v(z=0.106)$ | 0.3429 ± 0.0042 |
| $r_s(z_d)/D_v(z=0.2)$ | $0.1873^{+0.0021}_{-0.0022}$ | $r_s(z_d)/D_v(z=0.35)$ | 0.1127 ± 0.0011 |
| $r_s(z_d)/D_v(z=0.44)$ | 0.09253 ± 0.00087 | $r_s(z_d)/D_v(z=0.54)$ | 0.07819 ± 0.00067 |
| $r_s(z_d)/D_v(z=0.57)$ | 0.07490 ± 0.00063 | $r_s(z_d)/D_v(z=0.6)$ | 0.07194 ± 0.00059 |
| $r_s(z_d)/D_v(z=0.73)$ | $0.06204^{+0.00045}_{-0.00046}$ | $r_s(z_*)$ | 145.65 ± 0.58 |
| R | 1.7329 ± 0.0058 | σ_8 | $0.820^{+0.013}_{-0.014}$ |
| $\sigma_8 \Omega_m^{0.5}$ | 0.439 ± 0.012 | $\sigma_8 \Omega_m^{0.6}$ | 0.387 ± 0.012 |
| A_{SZ} | < 1.0 (95% CL) | t_0 | 13.772 ± 0.059 Gyr |
| τ | 0.081 ± 0.012 | θ_* | 0.010398 ± 0.000013 |
| θ_* | 0.59578 ± 0.00076 $^\circ$ | τ_{rec} | 283.2 ± 1.0 |
| t_{reion} | 482^{+66}_{-67} Myr | t_* | 374935^{+1731}_{-1729} yr |
| z_d | 1019.92 ± 0.80 | z_{eq} | 3293 ± 47 |
| z_{rec} | 1088.68 ± 0.58 | z_{reion} | 10.1 ± 1.0 |
| z_* | 1091.64 ± 0.47 | | |