

WMAP Cosmological Parameters

Model: Λ cdm

Data: wmap9+spt+act+snls3

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|-----------------------------------|--------------------------------------|-----------------------------------|---|
| $10^9 \Delta_{\mathcal{R}}^2$ | 2.427 ± 0.087 | H_0 | 74.7 ± 4.8 km/s/Mpc |
| $A_{\text{clustered}}$ | < 11 (95% CL) | $A_{\text{Poisson}}^{\text{ACT}}$ | 14.8 ± 2.3 |
| $A_{\text{Poisson}}^{\text{SPT}}$ | > 17 (95% CL) | $\ell(\ell+1)C_{220}/(2\pi)$ | 5746 ± 34 μK^2 |
| $d_A(z_{\text{eq}})$ | 14238 ± 88 Mpc | $d_A(z_*)$ | 14066_{-93}^{+92} Mpc |
| $D_v(z=0.57)/r_s(z_d)$ | $12.65_{-0.62}^{+0.61}$ | η | $(6.11 \pm 0.10) \times 10^{-10}$ |
| k_{eq} | 0.00985 ± 0.00026 | ℓ_{eq} | $138.5_{-2.9}^{+2.8}$ |
| ℓ_* | 302.03 ± 0.42 | n_b | $(2.508 \pm 0.042) \times 10^{-7}$ cm^{-3} |
| n_s | 0.9659 ± 0.0098 | Ω_b | 0.0406 ± 0.0052 |
| $\Omega_b h^2$ | 0.02233 ± 0.00037 | Ω_c | 0.204 ± 0.026 |
| $\Omega_c h^2$ | 0.1126 ± 0.0037 | Ω_k | $0.0059_{-0.0081}^{+0.0082}$ |
| Ω_k | $-0.011 < \Omega_k < 0.021$ (95% CL) | Ω_Λ | 0.749 ± 0.024 |
| Ω_m | 0.245 ± 0.031 | $\Omega_m h^2$ | 0.1350 ± 0.0036 |
| Ω_{tot} | $0.9941_{-0.0082}^{+0.0081}$ | Ω_{tot} | $0.98 < \Omega_{\text{tot}} < 1.01$ (95% CL) |
| $r_s(z_d)$ | 152.9 ± 1.0 Mpc | $r_s(z_d)/D_v(z=0.106)$ | $0.369_{-0.022}^{+0.023}$ |
| $r_s(z_d)/D_v(z=0.2)$ | 0.201 ± 0.012 | $r_s(z_d)/D_v(z=0.35)$ | 0.1202 ± 0.0065 |
| $r_s(z_d)/D_v(z=0.44)$ | 0.0984 ± 0.0051 | $r_s(z_d)/D_v(z=0.54)$ | 0.0828 ± 0.0041 |
| $r_s(z_d)/D_v(z=0.57)$ | $0.0793_{-0.0038}^{+0.0039}$ | $r_s(z_d)/D_v(z=0.6)$ | $0.0761_{-0.0036}^{+0.0037}$ |
| $r_s(z_d)/D_v(z=0.73)$ | 0.0653 ± 0.0029 | $r_s(z_*)$ | $146.31_{-0.95}^{+0.94}$ |
| R | 1.723 ± 0.013 | σ_8 | 0.814 ± 0.021 |
| $\sigma_8 \Omega_m^{0.5}$ | 0.402 ± 0.025 | $\sigma_8 \Omega_m^{0.6}$ | 0.349 ± 0.026 |
| α_{SNLS} | 1.43 ± 0.11 | β_{SNLS} | 3.26 ± 0.11 |
| A_{SZ} | < 1.1 (95% CL) | t_0 | 13.37 ± 0.47 Gyr |
| τ | 0.085 ± 0.013 | θ_* | 0.010402 ± 0.000014 |
| θ_* | 0.59598 ± 0.00083 $^\circ$ | τ_{rec} | 284.6 ± 2.0 |
| t_{reion} | 465 ± 64 Myr | t_* | 377443_{-3396}^{+3406} yr |
| z_d | $1019.89_{-0.81}^{+0.82}$ | z_{eq} | 3230 ± 86 |
| z_{rec} | 1088.39 ± 0.69 | z_{reion} | 10.4 ± 1.1 |
| z_* | 1091.27 ± 0.68 | | |