

WMAP Cosmological Parameters

Model: lcdm+run+tens

Data: wmap9+spt+act+snls3

$10^9 \Delta_{\mathcal{R}}^2$	2.11 ± 0.16	H_0	$71.6 \pm 1.8 \text{ km/s/Mpc}$
$A_{\text{clustered}}$	$< 13 \text{ (95\% CL)}$	$A_{\text{Poisson}}^{\text{ACT}}$	$13.6_{-2.7}^{+2.6}$
$A_{\text{Poisson}}^{\text{SPT}}$	$> 14 \text{ (95\% CL)}$	$\ell(\ell+1)C_{220}/(2\pi)$	$5764 \pm 33 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	$14208 \pm 89 \text{ Mpc}$	$d_A(z_*)$	$14043 \pm 90 \text{ Mpc}$
$dn_s/d \ln k$	-0.039 ± 0.016	$D_v(z = 0.57)/r_s(z_d)$	13.06 ± 0.25
η	$(6.23 \pm 0.12) \times 10^{-10}$	k_{eq}	0.00982 ± 0.00025
ℓ_{eq}	137.9 ± 2.8	ℓ_*	$301.76_{-0.43}^{+0.44}$
n_b	$(2.558 \pm 0.051) \times 10^{-7} \text{ cm}^{-3}$	n_s	1.081 ± 0.050
n_t	$> -0.073 \text{ (95\% CL)}$	Ω_b	0.0445 ± 0.0018
$\Omega_b h^2$	$0.02277_{-0.00045}^{+0.00046}$	Ω_c	$0.219_{-0.018}^{+0.017}$
$\Omega_c h^2$	0.1118 ± 0.0036	Ω_Λ	0.737 ± 0.019
Ω_m	0.263 ± 0.019	$\Omega_m h^2$	0.1345 ± 0.0035
r	$< 0.58 \text{ (95\% CL)}$	$r_s(z_d)$	$152.67_{-0.97}^{+0.98} \text{ Mpc}$
$r_s(z_d)/D_v(z = 0.106)$	$0.3542_{-0.0096}^{+0.0097}$	$r_s(z_d)/D_v(z = 0.2)$	0.1930 ± 0.0049
$r_s(z_d)/D_v(z = 0.35)$	0.1157 ± 0.0026	$r_s(z_d)/D_v(z = 0.44)$	0.0949 ± 0.0020
$r_s(z_d)/D_v(z = 0.54)$	$0.0800_{-0.0015}^{+0.0016}$	$r_s(z_d)/D_v(z = 0.57)$	0.0766 ± 0.0014
$r_s(z_d)/D_v(z = 0.6)$	$0.0735_{-0.0013}^{+0.0014}$	$r_s(z_d)/D_v(z = 0.73)$	0.0633 ± 0.0010
$r_s(z_*)$	146.20 ± 0.90	R	1.718 ± 0.013
σ_8	0.807 ± 0.018	$\sigma_8 \Omega_m^{0.5}$	0.414 ± 0.022
$\sigma_8 \Omega_m^{0.6}$	0.362 ± 0.022	α_{SNLS}	1.43 ± 0.11
β_{SNLS}	3.26 ± 0.11	A_{SZ}	$< 1.4 \text{ (95\% CL)}$
t_0	$13.659 \pm 0.088 \text{ Gyr}$	τ	$0.098_{-0.016}^{+0.015}$
θ_*	0.010411 ± 0.000015	θ_*	$0.59651_{-0.00087}^{+0.00085} \text{ }^\circ$
τ_{rec}	285.0 ± 1.9	t_{reion}	$420_{-62}^{+61} \text{ Myr}$
t_*	$378190_{-3324}^{+3320} \text{ yr}$	z_d	1020.82 ± 0.96
z_{eq}	3220 ± 83	z_{rec}	$1087.88_{-0.73}^{+0.74}$
z_{reion}	11.3 ± 1.2	z_*	$1090.61_{-0.76}^{+0.77}$