

WMAP Cosmological Parameters

Model: Λ CDM

Data: wmap9+spt+act+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	2.415 ± 0.087	H_0	$68.23^{+1.01}_{-1.00}$ km/s/Mpc
$A_{\text{clustered}}$	< 10 (95% CL)	$A_{\text{Poisson}}^{\text{ACT}}$	14.8 ± 2.3
$A_{\text{Poisson}}^{\text{SPT}}$	> 17 (95% CL)	$\ell(\ell+1)C_{220}/(2\pi)$	$5752 \pm 34 \mu\text{K}^2$
$d_A(z_{\text{eq}})$	14250 ± 86 Mpc	$d_A(z_*)$	14090^{+89}_{-90} Mpc
$D_v(z=0.57)/r_s(z_d)$	13.49 ± 0.14	η	$(6.11 \pm 0.10) \times 10^{-10}$
k_{eq}	$0.00978^{+0.00025}_{-0.00026}$	ℓ_{eq}	137.8 ± 2.8
ℓ_*	302.03 ± 0.42	n_b	$(2.508 \pm 0.042) \times 10^{-7} \text{ cm}^{-3}$
n_s	0.9656 ± 0.0098	Ω_b	0.0480 ± 0.0015
$\Omega_b h^2$	0.02233 ± 0.00037	Ω_c	$0.2400^{+0.0094}_{-0.0093}$
$\Omega_c h^2$	$0.1117^{+0.0035}_{-0.0037}$	Ω_k	$-0.0051^{+0.0039}_{-0.0041}$
Ω_k	$-0.0130 < \Omega_k < 0.0028$ (95% CL)	Ω_Λ	0.717 ± 0.011
Ω_m	$0.2880^{+0.0100}_{-0.0099}$	$\Omega_m h^2$	$0.1340^{+0.0035}_{-0.0036}$
Ω_{tot}	$1.0051^{+0.0041}_{-0.0039}$	Ω_{tot}	$1.00 < \Omega_{\text{tot}} < 1.01$ (95% CL)
$r_s(z_d)$	$153.22^{+0.99}_{-1.00}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3395 ± 0.0045
$r_s(z_d)/D_v(z=0.2)$	$0.1854^{+0.0024}_{-0.0023}$	$r_s(z_d)/D_v(z=0.35)$	0.1115 ± 0.0013
$r_s(z_d)/D_v(z=0.44)$	0.0916 ± 0.0010	$r_s(z_d)/D_v(z=0.54)$	$0.07740^{+0.00082}_{-0.00080}$
$r_s(z_d)/D_v(z=0.57)$	$0.07414^{+0.00077}_{-0.00076}$	$r_s(z_d)/D_v(z=0.6)$	$0.07121^{+0.00073}_{-0.00071}$
$r_s(z_d)/D_v(z=0.73)$	0.06141 ± 0.00059	$r_s(z_*)$	146.56 ± 0.93
R	1.720 ± 0.013	σ_8	$0.803^{+0.019}_{-0.018}$
$\sigma_8 \Omega_m^{0.5}$	0.431 ± 0.014	$\sigma_8 \Omega_m^{0.6}$	0.381 ± 0.014
α_{SNLS}	$1.43^{+0.10}_{-0.11}$	β_{SNLS}	3.26 ± 0.11
A_{SZ}	< 1.0 (95% CL)	t_0	14.00 ± 0.17 Gyr
τ	0.084 ± 0.013	θ_*	0.010402 ± 0.000014
θ_*	$0.59597^{+0.00082}_{-0.00083} \text{ }^\circ$	τ_{rec}	$285.1^{+2.0}_{-1.9}$
t_{reion}	478^{+65}_{-67} Myr	t_*	378298^{+3409}_{-3277} yr
z_d	$1019.80^{+0.81}_{-0.80}$	z_{eq}	3208^{+83}_{-85}
z_{rec}	1088.33 ± 0.69	z_{reion}	10.2 ± 1.1
z_*	1091.19 ± 0.68		