

WMAP Cosmological Parameters

Model: lcdm+run

Data: wmap9+snls3+bao

$10^9 \Delta_{\mathcal{R}}^2$	$2.395^{+0.096}_{-0.095}$	H_0	68.69 ± 0.96 km/s/Mpc
$\ell(\ell+1)C_{220}/(2\pi)$	5749 ± 34 μK^2	$d_A(z_{\text{eq}})$	14152 ± 94 Mpc
$d_A(z_*)$	13985 ± 95 Mpc	$dn_s/d \ln k$	-0.015 ± 0.017
$D_v(z=0.57)/r_s(z_d)$	13.46 ± 0.13	η	$(6.11 \pm 0.13) \times 10^{-10}$
k_{eq}	0.01013 ± 0.00018	ℓ_{eq}	141.6 ± 1.7
ℓ_*	302.43 ± 0.61	n_b	$(2.511 \pm 0.053) \times 10^{-7}$ cm^{-3}
n_s	1.001 ± 0.038	Ω_b	0.0474 ± 0.0010
$\Omega_b h^2$	0.02236 ± 0.00047	Ω_c	0.247 ± 0.010
$\Omega_c h^2$	0.1164 ± 0.0024	Ω_Λ	0.706 ± 0.011
Ω_m	0.294 ± 0.011	$\Omega_m h^2$	0.1388 ± 0.0025
$r_s(z_d)$	$151.83^{+0.92}_{-0.93}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3390 ± 0.0047
$r_s(z_d)/D_v(z=0.2)$	0.1853 ± 0.0024	$r_s(z_d)/D_v(z=0.35)$	0.1116 ± 0.0013
$r_s(z_d)/D_v(z=0.44)$	0.09172 ± 0.00096	$r_s(z_d)/D_v(z=0.54)$	$0.07755^{+0.00075}_{-0.00074}$
$r_s(z_d)/D_v(z=0.57)$	$0.07430^{+0.00070}_{-0.00069}$	$r_s(z_d)/D_v(z=0.6)$	0.07138 ± 0.00065
$r_s(z_d)/D_v(z=0.73)$	0.06160 ± 0.00050	$r_s(z_*)$	$145.27^{+0.76}_{-0.77}$
R	1.7375 ± 0.0067	σ_8	0.827 ± 0.018
$\sigma_8 \Omega_m^{0.5}$	0.449 ± 0.015	$\sigma_8 \Omega_m^{0.6}$	0.397 ± 0.015
α_{SNLS}	1.43 ± 0.11	β_{SNLS}	3.25 ± 0.11
A_{SZ}	< 2.0 (95% CL)	t_0	13.795 ± 0.089 Gyr
τ	0.091 ± 0.014	θ_*	0.010388 ± 0.000021
θ_*	0.5952 ± 0.0012 $^\circ$	τ_{rec}	282.6 ± 1.3
t_{reion}	431^{+66}_{-67} Myr	t_*	373973^{+2194}_{-2185} yr
z_d	1020.3 ± 1.1	z_{eq}	3322^{+60}_{-61}
z_{rec}	$1088.63^{+0.67}_{-0.68}$	z_{reion}	10.9 ± 1.2
z_*	$1091.57^{+0.65}_{-0.66}$		