WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act+h0

$10^9 \Delta_{\mathcal{R}}^2$	2.375 ± 0.079	H_0	74.1 ± 2.1 km/s/Mpc
N_{eff}	$3.70^{+0.40}_{-0.39}$	$A_{\mathrm{clustered}}$	< 12 (95% CL)
$A_{\mathrm{Poisson}}^{\mathrm{ACT}}$	$14.2^{+2.5}_{-2.6}$	$A_{\mathrm{Poisson}}^{\mathrm{SPT}}$	> 15 (95% CL)
$\ell(\ell+1)C_{220}/(2\pi)$	5756 ± 32 $\mu\mathrm{K}^2$	$d_A(z_{\mathrm{eq}})$	13688^{+347}_{-349} Mpc
$d_A(z_*)$	13530^{+344}_{-346} Mpc	$D_v(z=0.57)/r_s(z_d)$	12.84 ± 0.22
η	$(6.177^{+0.101}_{-0.100}) \times 10^{-10}$	k_{eq}	0.01017 ± 0.00035
ℓ_{eq}	137.5 ± 2.3	ℓ_*	302.48 ± 0.52
n_b	$(2.537 \pm 0.041) \times 10^{-7}$ cm^{-3}	n_s	0.980 ± 0.011
Ω_b	0.0412 ± 0.0020	$\Omega_b h^2$	$0.02259^{+0.00037}_{-0.00036}$
Ω_c	$0.224^{+0.014}_{-0.015}$	$\Omega_c h^2$	$0.1228^{+0.0081}_{-0.0080}$
Ω_Λ	$0.735^{+0.016}_{-0.015}$	Ω_m	$0.265^{+0.015}_{-0.016}$
$\Omega_m h^2$	0.1454 ± 0.0081	$r_s(z_d)$	146.8 ± 3.9 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.3600 ± 0.0081	$r_s(z_d)/D_v(z=0.2)$	$0.1962^{+0.0042}_{-0.0041}$
$r_s(z_d)/D_v(z=0.35)$	0.1177 ± 0.0023	$r_s(z_d)/D_v(z=0.44)$	0.0965 ± 0.0018
$r_s(z_d)/D_v(z=0.54)$	0.0814 ± 0.0014	$r_s(z_d)/D_v(z=0.57)$	0.0779 ± 0.0013
$r_s(z_d)/D_v(z=0.6)$	0.0748 ± 0.0012	$r_s(z_d)/D_v(z=0.73)$	$0.06436^{+0.00100}_{-0.00099}$
$r_s(z_*)$	140.5 ± 3.7	R	1.719 ± 0.010
σ_8	0.838 ± 0.026	$\sigma_8 \Omega_m^{0.5}$	$0.431^{+0.022}_{-0.023}$
$\sigma_8 \Omega_m^{0.6}$	$0.378^{+0.021}_{-0.022}$	A_{SZ}	< 1.2 (95% CL)
t_0	13.17 ± 0.31 Gyr	τ	0.086 ± 0.013
θ_*	0.010386 ± 0.000018	θ_*	0.5951 ± 0.0010 °
τ_{rec}	273.7 ± 7.2	t_{reion}	440 ± 64 Myr
t_*	363010^{+9781}_{-9873} yr	z_d	1021.3 ± 1.1
z_{eq}	3197 ± 70	z_{rec}	$1089.06^{+0.84}_{-0.85}$
z_{reion}	10.6 ± 1.1	z_*	$1091.79^{+0.78}_{-0.77}$