WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act

$10^9\Delta^2_{\mathcal{R}}$	2.35 ± 0.10	H_0	$75.5^{+4.2}_{-4.3}$ km/s/Mpc
$N_{\rm eff}$	3.89 ± 0.67	$A_{\rm clustered}$	< 13 (95% CL)
$A^{\rm ACT}_{\rm Poisson}$	14.1 ± 2.6	$A^{\rm SPT}_{\rm Poisson}$	> 15 (95% CL)
$\ell(\ell+1)C_{220}/(2\pi)$	5759 ± 34 μK^2	$d_A(z_{\rm eq})$	13560^{+520}_{-521} Mpc
$d_A(z_*)$	13404^{+514}_{-515} Mpc	$D_v(z=0.57)/r_s(z_d)$	$12.72^{+0.42}_{-0.41}$
η	$(6.21 \pm 0.13) \times 10^{-10}$	$k_{\rm eq}$	0.01022 ± 0.00039
$\ell_{\rm eq}$	136.8 ± 3.0	ℓ_*	302.54 ± 0.56
n_b	$(2.550 \pm 0.055) \times 10^{-7}$ cm^{-3}	n_s	$0.985^{+0.018}_{-0.019}$
Ω_b	0.0401 ± 0.0039	$\Omega_b h^2$	0.02270 ± 0.00049
Ω_c	0.220 ± 0.018	$\Omega_c h^2$	$0.125^{+0.011}_{-0.010}$
Ω_Λ	0.740 ± 0.020	Ω_m	0.260 ± 0.020
$\Omega_m h^2$	0.148 ± 0.011	$r_s(z_d)$	145.4 ± 5.8 Mpc
$r_s(z_d)/D_v(z=0.106)$	0.364 ± 0.015	$r_s(z_d)/D_v(z=0.2)$	0.1986 ± 0.0077
$r_s(z_d)/D_v(z=0.35)$	0.1190 ± 0.0043	$r_s(z_d)/D_v(z=0.44)$	0.0975 ± 0.0034
$r_s(z_d)/D_v(z=0.54)$	0.0822 ± 0.0027	$r_s(z_d)/D_v(z=0.57)$	0.0787 ± 0.0026
$r_s(z_d)/D_v(z=0.6)$	0.0755 ± 0.0024	$r_s(z_d)/D_v(z=0.73)$	0.0650 ± 0.0020
$r_s(z_*)$	139.2 ± 5.5	R	1.716 ± 0.014
σ_8	$0.844^{+0.031}_{-0.032}$	$\sigma_8\Omega_m^{0.5}$	$0.430^{+0.022}_{-0.023}$
$\sigma_8\Omega_m^{0.6}$	0.376 ± 0.022	$A_{\rm SZ}$	< 1.3 (95% CL)
t_0	13.02 ± 0.55 Gyr	τ	0.087 ± 0.014
θ_*	0.010384 ± 0.000019	θ_*	0.5950 ± 0.0011 $^\circ$
$\tau_{\rm rec}$	271 ± 10	$t_{\rm reion}$	430 ± 70 Myr
t_*	359856^{+13686}_{-13795} yr	z_d	1021.7 ± 1.7
$z_{\rm eq}$	3178 ± 90	$z_{\rm rec}$	$1089.16^{+0.89}_{-0.90}$
$z_{\rm reion}$	10.7 ± 1.2	z_*	1091.83 ± 0.79