WMAP Cosmological Parameters

Model: lcdm+nrel

Data: wmap9+spt+act+snls3+bao+h0

$10^9\Delta^2_{\mathcal{R}}$	2.416 ± 0.074	H_0	73.0 ± 1.9 km/s/Mpc
$N_{\rm eff}$	3.83 ± 0.40	$A_{\rm clustered}$	$5.0^{+3.8}_{-5.0}$
$A^{\rm ACT}_{\rm Poisson}$	14.2 ± 2.6	$A^{\rm SPT}_{\rm Poisson}$	22.7 ± 4.3
$\ell(\ell+1)C_{220}/(2\pi)$	5748^{+31}_{-32} μK^2	$d_A(z_{\rm eq})$	13513^{+325}_{-329} Mpc
$d_A(z_*)$	13356^{+321}_{-325} Mpc	$D_v(z=0.57)/r_s(z_d)$	13.35 ± 0.11
	$0.0000000006148^{+0.0000000000097}_{-0.0000000000093}$	η	$(6.148^{+0.097}_{-0.093}) \times 10^{-10}$
$k_{\rm eq}$	$0.01050^{+0.00029}_{-0.00028}$	$\ell_{\rm eq}$	140.1 ± 1.4
ℓ_*	$302.75^{+0.49}_{-0.50}$	n_b	$(2.525^{+0.040}_{-0.038}) \times 10^{-7}$ cm^{-3}
n_s	$0.976^{+0.010}_{-0.011}$	Ω_b	0.0422 ± 0.0020
$\Omega_b h^2$	$0.02248^{+0.00036}_{-0.00034}$	Ω_c	0.2413 ± 0.0087
$\Omega_c h^2$	$0.1288^{+0.0074}_{-0.0072}$	Ω_Λ	0.7165 ± 0.0093
Ω_m	0.2836 ± 0.0093	$\Omega_m h^2$	$0.1513^{+0.0075}_{-0.0073}$
$r_s(z_d)$	$144.8^{+3.6}_{-3.7}$ Mpc	$r_s(z_d)/D_v(z=0.106)$	0.3433 ± 0.0042
$r_s(z_d)/D_v(z=0.2)$	$0.1875^{+0.0021}_{-0.0022}$	$r_s(z_d)/D_v(z=0.35)$	0.1127 ± 0.0011
$r_s(z_d)/D_v(z=0.44)$	$0.09256^{+0.00086}_{-0.00087}$	$r_s(z_d)/D_v(z=0.54)$	0.07820 ± 0.00067
$r_s(z_d)/D_v(z=0.57)$	$0.07490^{+0.00062}_{-0.00063}$	$r_s(z_d)/D_v(z=0.6)$	$0.07194^{+0.00058}_{-0.00059}$
$r_s(z_d)/D_v(z=0.73)$	$0.06202^{+0.00045}_{-0.00046}$	$r_s(z_*)$	$138.6^{+3.4}_{-3.5}$
R	1.7311 ± 0.0057	σ_8	0.855 ± 0.023
$\alpha_{\rm SNLS}$	1.43 ± 0.11	$\beta_{\rm SNLS}$	3.26 ± 0.11
$A_{\rm SZ}$	$0.49^{+0.38}_{-0.49}$	t_0	13.11 ± 0.32 Gyr
τ	0.081 ± 0.012	θ_*	0.010377 ± 0.000017
θ_*	$0.59455^{+0.00097}_{-0.00096}$ $^\circ$	$\tau_{\rm rec}$	$269.7^{+6.5}_{-6.6}$
$t_{\rm reion}$	445 ± 67 Myr	t_*	357026^{+8793}_{-8939} yr
z_d	1021.6 ± 1.1	$z_{\rm eq}$	3274 ± 46
$z_{\rm rec}$	$1089.61^{+0.76}_{-0.74}$	$z_{\rm reion}$	10.3 ± 1.1
z_*	$1092.44^{+0.63}_{-0.64}$		