WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5

$10^2\Omega_b h^2$	2.273 ± 0.062	$1 - n_s$	$0.037^{+0.015}_{-0.014}$
$1 - n_s$	$0.0081 < 1 - n_s < 0.0647$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.457 ± 0.022
C_{220}	5756 ± 42	$d_A(z_{\rm eq})$	14279^{+186}_{-189} Mpc
$d_A(z_*)$	14115^{+188}_{-191} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.11) \times 10^{-9}$
h	$0.719^{+0.026}_{-0.027}$	H_0	$71.9^{+2.6}_{-2.7}$ km/s/Mpc
$k_{\rm eq}$	0.00968 ± 0.00046	$\ell_{\rm eq}$	136.6 ± 4.8
ℓ_*	$302.08^{+0.83}_{-0.84}$	n_s	$0.963^{+0.014}_{-0.015}$
Ω_b	0.0441 ± 0.0030	$\Omega_b h^2$	0.02273 ± 0.00062
Ω_c	0.214 ± 0.027	$\Omega_c h^2$	0.1099 ± 0.0062
Ω_Λ	0.742 ± 0.030	Ω_m	0.258 ± 0.030
$\Omega_m h^2$	0.1326 ± 0.0063	$r_{\rm hor}(z_{\rm dec})$	286.0 ± 3.4 Mpc
$r_s(z_d)$	153.3 ± 2.0 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1946 ± 0.0079
$r_s(z_d)/D_v(z = 0.35)$	0.1165 ± 0.0042	$r_s(z_*)$	146.8 ± 1.8 Mpc
R	1.713 ± 0.020	σ_8	0.796 ± 0.036
$A_{\rm SZ}$	$1.04^{+0.96}_{-0.69}$	t_0	13.69 ± 0.13 Gyr
τ	0.087 ± 0.017	θ_*	0.010400 ± 0.000029
θ_*	0.5959 ± 0.0017 °	t_*	380081^{+5843}_{-5841} yr
$z_{\rm dec}$	1087.9 ± 1.2	z_d	1020.5 ± 1.6
$z_{\rm eq}$	3176^{+151}_{-150}	$z_{\rm reion}$	11.0 ± 1.4
z_*	1090.51 ± 0.95		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+2df

$10^2\Omega_b h^2$	2.270 ± 0.060	$1 - n_s$	0.037 ± 0.014
$1 - n_s$	$0.0099 < 1 - n_s < 0.0632$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.451 ± 0.015
C_{220}	5758^{+42}_{-41}	$d_A(z_{\rm eq})$	14332^{+157}_{-154} Mpc
$d_A(z_*)$	14168^{+158}_{-156} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.387^{+0.099}_{-0.098}) \times 10^{-9}$
h	0.725 ± 0.019	H_0	72.5 ± 1.9 km/s/Mpc
$k_{\rm eq}$	$0.00955^{+0.00033}_{-0.00034}$	$\ell_{\rm eq}$	$135.2^{+3.3}_{-3.4}$
ℓ_*	$302.17^{+0.85}_{-0.83}$	n_s	0.963 ± 0.014
Ω_b	0.0433 ± 0.0020	$\Omega_b h^2$	0.02270 ± 0.00060
Ω_c	0.206 ± 0.018	$\Omega_c h^2$	0.1080 ± 0.0044
Ω_Λ	0.750 ± 0.020	Ω_m	0.250 ± 0.020
$\Omega_m h^2$	$0.1307^{+0.0045}_{-0.0046}$	$r_{\rm hor}(z_{\rm dec})$	287.0 ± 2.5 Mpc
$r_s(z_d)$	153.9 ± 1.6 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1965 ± 0.0054
$r_s(z_d)/D_v(z = 0.35)$	0.1176 ± 0.0029	$r_s(z_*)$	147.3 ± 1.4 Mpc
R	1.708 ± 0.014	σ_8	0.786 ± 0.029
$A_{\rm SZ}$	$1.05^{+0.94}_{-0.69}$	t_0	13.69 ± 0.13 Gyr
τ	$0.087^{+0.016}_{-0.017}$	θ_*	0.010397 ± 0.000029
θ_*	$0.5957^{+0.0016}_{-0.0017}$ °	t_*	381769^{+4212}_{-4185} yr
$z_{\rm dec}$	1087.8 ± 1.1	z_d	1020.3 ± 1.5
$z_{\rm eq}$	3131^{+108}_{-110}	$z_{\rm reion}$	10.9 ± 1.4
z_*	$1090.38^{+0.82}_{-0.79}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+acb

$10^2\Omega_b h^2$	$2.282^{+0.058}_{-0.059}$	$1-n_s$	0.036 ± 0.014
$1-n_s$	$0.0080 < 1-n_s < 0.0627$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.458 ± 0.021
C_{220}	5759^{+43}_{-42}	$d_A(z_{\rm eq})$	14234^{+171}_{-172} Mpc
$d_A(z_*)$	14069^{+173}_{-174} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41^{+0.11}_{-0.12}) \times 10^{-9}$
h	0.720 ± 0.026	H_0	72.0 ± 2.6 km/s/Mpc
$k_{\rm eq}$	0.00975 ± 0.00044	$\ell_{\rm eq}$	$137.2^{+4.7}_{-4.6}$
ℓ_*	301.76 ± 0.77	n_s	0.964 ± 0.014
Ω_b	0.0441 ± 0.0029	$\Omega_b h^2$	$0.02282^{+0.00058}_{-0.00059}$
Ω_c	$0.215^{+0.027}_{-0.026}$	$\Omega_c h^2$	$0.1108^{+0.0061}_{-0.0060}$
Ω_Λ	0.741 ± 0.029	Ω_m	0.259 ± 0.029
$\Omega_m h^2$	$0.1336^{+0.0061}_{-0.0060}$	$r_{\rm hor}(z_{\rm dec})$	285.5 ± 3.3 Mpc
$r_s(z_d)$	153.0 ± 1.9 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.1944 ± 0.0077
$r_s(z_d)/D_v(z=0.35)$	0.1165 ± 0.0041	$r_s(z_*)$	146.5 ± 1.7 Mpc
R	1.714 ± 0.020	σ_8	0.803 ± 0.034
$A_{\rm SZ}$	$1.09^{+0.91}_{-0.68}$	t_0	13.65 ± 0.13 Gyr
τ	0.088 ± 0.017	θ_*	$0.010411^{+0.000027}_{-0.000026}$
θ_*	0.5965 ± 0.0015 °	t_*	379222^{+5604}_{-5667} yr
$z_{\rm dec}$	1087.8 ± 1.2	z_d	1020.8 ± 1.4
$z_{\rm eq}$	3200^{+145}_{-143}	$z_{\rm reion}$	11.1 ± 1.4
z_*	$1090.48^{+0.95}_{-0.94}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+bao

$10^2\Omega_b h^2$	2.269 ± 0.060	$1 - n_s$	0.039 ± 0.014
$1 - n_s$	$0.012 < 1 - n_s < 0.065$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.465 ± 0.012
C_{220}	5752^{+41}_{-42}	$d_A(z_{\rm eq})$	14227 ± 146 Mpc
$d_A(z_*)$	14062 ± 147 Mpc	$\Delta^2_{\mathcal{R}}$	$(2.432^{+0.098}_{-0.097}) \times 10^{-9}$
h	0.709 ± 0.015	H_0	70.9 ± 1.5 km/s/Mpc
$k_{\rm eq}$	$0.00984^{+0.00029}_{-0.00030}$	$\ell_{\rm eq}$	138.3 ± 2.8
ℓ_*	$302.14^{+0.84}_{-0.85}$	n_s	0.961 ± 0.014
Ω_b	0.0451 ± 0.0017	$\Omega_b h^2$	0.02269 ± 0.00060
Ω_c	0.223 ± 0.015	$\Omega_c h^2$	$0.1120^{+0.0037}_{-0.0038}$
Ω_Λ	$0.732^{+0.017}_{-0.016}$	Ω_m	$0.268^{+0.016}_{-0.017}$
$\Omega_m h^2$	$0.1347^{+0.0039}_{-0.0040}$	$r_{\rm hor}(z_{\rm dec})$	284.8 ± 2.1 Mpc
$r_s(z_d)$	152.7 ± 1.5 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1915 ± 0.0041
$r_s(z_d)/D_v(z = 0.35)$	0.1149 ± 0.0022	$r_s(z_*)$	146.2 ± 1.2 Mpc
R	1.721 ± 0.011	σ_8	0.807 ± 0.027
$A_{\rm SZ}$	$1.02^{+0.97}_{-1.02}$	t_0	$13.71^{+0.12}_{-0.13}$ Gyr
τ	$0.085^{+0.017}_{-0.016}$	θ_*	0.010398 ± 0.000029
θ_*	0.5958 ± 0.0017 °	t_*	377990^{+3562}_{-3475} yr
$z_{\rm dec}$	1088.0 ± 1.1	z_d	1020.6 ± 1.5
$z_{\rm eq}$	3227^{+94}_{-97}	$z_{\rm reion}$	10.9 ± 1.4
z_*	1090.76 ± 0.76		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	2.265 ± 0.059	$1 - n_s$	$0.040^{+0.013}_{-0.014}$
$1 - n_s$	$0.014 < 1 - n_s < 0.067$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.473 ± 0.010
C_{220}	5748 ± 41	$d_A(z_{\rm eq})$	14172^{+141}_{-139} Mpc
$d_A(z_*)$	14006^{+142}_{-141} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.457^{+0.092}_{-0.093}) \times 10^{-9}$
h	0.701 ± 0.013	H_0	70.1 ± 1.3 km/s/Mpc
$k_{\rm eq}$	0.01000 ± 0.00027	$\ell_{\rm eq}$	140.0 ± 2.5
ℓ_*	$302.11^{+0.84}_{-0.82}$	n_s	$0.960^{+0.014}_{-0.013}$
Ω_b	0.0462 ± 0.0015	$\Omega_b h^2$	0.02265 ± 0.00059
Ω_c	0.233 ± 0.013	$\Omega_c h^2$	0.1143 ± 0.0034
Ω_Λ	0.721 ± 0.015	Ω_m	0.279 ± 0.015
$\Omega_m h^2$	0.1369 ± 0.0037	$r_{\rm hor}(z_{\rm dec})$	283.6 ± 1.9 Mpc
$r_s(z_d)$	152.1 ± 1.4 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1889 ± 0.0035
$r_s(z_d)/D_v(z = 0.35)$	0.1135 ± 0.0018	$r_s(z_*)$	145.6 ± 1.2 Mpc
R	$1.7283^{+0.0093}_{-0.0092}$	σ_8	0.817 ± 0.026
$A_{\rm SZ}$	$0.99^{+1.00}_{-0.99}$	t_0	13.73 ± 0.12 Gyr
τ	0.084 ± 0.016	θ_*	$0.010399^{+0.000028}_{-0.000029}$
θ_*	$0.5958^{+0.0016}_{-0.0017}$ °	t_*	375938^{+3148}_{-3115} yr
$z_{\rm dec}$	1088.2 ± 1.1	z_d	1020.8 ± 1.5
$z_{\rm eq}$	3280^{+88}_{-89}	$z_{\rm reion}$	10.8 ± 1.4
z_*	$1091.00^{+0.72}_{-0.73}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+bao+snall+lyapost

$10^2\Omega_b h^2$	$2.305^{+0.055}_{-0.053}$	$1-n_s$	0.031 ± 0.012
$1-n_s$	$0.0074 < 1-n_s < 0.0540$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.4807^{+0.0093}_{-0.0094}$
C_{220}	5758^{+40}_{-41}	$d_A(z_{\rm eq})$	14015^{+106}_{-107} Mpc
$d_A(z_*)$	13847^{+107}_{-108} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.484^{+0.092}_{-0.091}) \times 10^{-9}$
h	0.697 ± 0.013	H_0	69.7 ± 1.3 km/s/Mpc
$k_{\rm eq}$	0.01031 ± 0.00022	$\ell_{\rm eq}$	142.8 ± 2.1
ℓ_*	$301.46^{+0.74}_{-0.75}$	n_s	0.969 ± 0.012
Ω_b	0.0474 ± 0.0014	$\Omega_b h^2$	$0.02305^{+0.00055}_{-0.00053}$
Ω_c	0.243 ± 0.013	$\Omega_c h^2$	0.1182 ± 0.0029
Ω_Λ	0.709 ± 0.014	Ω_m	0.291 ± 0.014
$\Omega_m h^2$	$0.1412^{+0.0031}_{-0.0030}$	$r_{\rm hor}(z_{\rm dec})$	$281.4^{+1.5}_{-1.6}$ Mpc
$r_s(z_d)$	150.6 ± 1.1 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1864^{+0.0031}_{-0.0032}$
$r_s(z_d)/D_v(z=0.35)$	0.1122 ± 0.0017	$r_s(z_*)$	$144.31^{+0.90}_{-0.91}$ Mpc
R	$1.7356^{+0.0083}_{-0.0084}$	σ_8	$0.851^{+0.020}_{-0.019}$
$A_{\rm SZ}$	$0.92^{+0.67}_{-0.92}$	t_0	13.64 ± 0.11 Gyr
τ	0.094 ± 0.016	θ_*	0.010421 ± 0.000026
θ_*	0.5971 ± 0.0015 °	t_*	372389^{+2555}_{-2633} yr
$z_{\rm dec}$	1088.1 ± 1.1	z_d	$1022.0^{+1.3}_{-1.2}$
$z_{\rm eq}$	3383^{+74}_{-72}	$z_{\rm reion}$	11.7 ± 1.4
z_*	$1090.82^{+0.68}_{-0.71}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+cmb

$10^2\Omega_b h^2$	2.250 ± 0.061	$1 - n_s$	0.040 ± 0.014
$1 - n_s$	$0.013 < 1 - n_s < 0.067$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.451 ± 0.021
C_{220}	5753^{+42}_{-44}	$d_A(z_{\rm eq})$	14351^{+186}_{-181} Mpc
$d_A(z_*)$	14188^{+188}_{-183} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.11) \times 10^{-9}$
h	$0.725^{+0.026}_{-0.027}$	H_0	$72.5^{+2.6}_{-2.7}$ km/s/Mpc
$k_{\rm eq}$	0.00952 ± 0.00045	$\ell_{\rm eq}$	135.0 ± 4.7
ℓ_*	$302.14^{+0.84}_{-0.83}$	n_s	0.960 ± 0.014
Ω_b	$0.0430^{+0.0028}_{-0.0029}$	$\Omega_b h^2$	0.02250 ± 0.00061
Ω_c	$0.207^{+0.025}_{-0.026}$	$\Omega_c h^2$	$0.1079^{+0.0061}_{-0.0060}$
Ω_Λ	$0.750^{+0.029}_{-0.028}$	Ω_m	$0.250^{+0.028}_{-0.029}$
$\Omega_m h^2$	0.1304 ± 0.0061	$r_{\rm hor}(z_{\rm dec})$	287.2 ± 3.4 Mpc
$r_s(z_d)$	$154.2^{+2.0}_{-1.9}$ Mpc	$r_s(z_d)/D_v(z = 0.2)$	$0.1969^{+0.0079}_{-0.0078}$
$r_s(z_d)/D_v(z = 0.35)$	0.1178 ± 0.0042	$r_s(z_*)$	$147.5^{+1.8}_{-1.7}$ Mpc
R	1.708 ± 0.020	σ_8	0.783 ± 0.035
$A_{\rm SZ}$	$0.66^{+0.57}_{-0.66}$	t_0	$13.70^{+0.14}_{-0.13}$ Gyr
τ	$0.086^{+0.017}_{-0.016}$	θ_*	0.010398 ± 0.000029
θ_*	$0.5958^{+0.0016}_{-0.0017}$ °	t_*	382028^{+5752}_{-5791} yr
$z_{\rm dec}$	1087.9 ± 1.2	z_d	1019.8 ± 1.5
$z_{\rm eq}$	3122 ± 147	$z_{\rm reion}$	10.9 ± 1.4
z_*	1090.62 ± 0.95		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+lrg

$10^2\Omega_b h^2$	$2.271^{+0.061}_{-0.060}$	$1-n_s$	0.037 ± 0.014
$1-n_s$	$0.0100 < 1-n_s < 0.0633$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.452^{+0.012}_{-0.013}$
C_{220}	5757 ± 42	$d_A(z_{\rm eq})$	14323^{+140}_{-138} Mpc
$d_A(z_*)$	14159^{+141}_{-139} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.387^{+0.098}_{-0.099}) \times 10^{-9}$
h	0.724 ± 0.017	H_0	72.4 ± 1.7 km/s/Mpc
$k_{\rm eq}$	0.00957 ± 0.00028	$\ell_{\rm eq}$	135.4 ± 2.8
ℓ_*	302.15 ± 0.83	n_s	0.963 ± 0.014
Ω_b	$0.0434^{+0.0018}_{-0.0017}$	$\Omega_b h^2$	$0.02271^{+0.00061}_{-0.00060}$
Ω_c	0.207 ± 0.015	$\Omega_c h^2$	$0.1083^{+0.0037}_{-0.0038}$
Ω_Λ	0.749 ± 0.017	Ω_m	0.251 ± 0.017
$\Omega_m h^2$	0.1310 ± 0.0039	$r_{\rm hor}(z_{\rm dec})$	286.8 ± 2.1 Mpc
$r_s(z_d)$	153.8 ± 1.4 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1961^{+0.0047}_{-0.0046}$
$r_s(z_d)/D_v(z=0.35)$	0.1174 ± 0.0025	$r_s(z_*)$	147.2 ± 1.2 Mpc
R	1.709 ± 0.012	σ_8	0.788 ± 0.026
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$	t_0	13.69 ± 0.13 Gyr
τ	$0.087^{+0.017}_{-0.016}$	θ_*	0.010397 ± 0.000029
θ_*	0.5957 ± 0.0016 °	t_*	381484^{+3561}_{-3539} yr
$z_{\rm dec}$	1087.8 ± 1.1	z_d	1020.3 ± 1.5
$z_{\rm eq}$	3138^{+92}_{-93}	$z_{\rm reion}$	10.9 ± 1.4
z_*	$1090.40^{+0.79}_{-0.80}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+sdss

$10^2\Omega_b h^2$	2.267 ± 0.060	$1 - n_s$	0.040 ± 0.014
$1 - n_s$	$0.011 < 1 - n_s < 0.067$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.470 ± 0.020
C_{220}	5749 ± 43	$d_A(z_{\rm eq})$	14194^{+171}_{-170} Mpc
$d_A(z_*)$	14028^{+173}_{-171} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.44 \pm 0.11) \times 10^{-9}$
h	0.704 ± 0.024	H_0	70.4 ± 2.4 km/s/Mpc
$k_{\rm eq}$	0.00994 ± 0.00042	$\ell_{\rm eq}$	139.4 ± 4.3
ℓ_*	$302.16^{+0.87}_{-0.86}$	n_s	0.960 ± 0.014
Ω_b	0.0459 ± 0.0028	$\Omega_b h^2$	0.02267 ± 0.00060
Ω_c	0.231 ± 0.026	$\Omega_c h^2$	$0.1135^{+0.0057}_{-0.0056}$
Ω_Λ	0.723 ± 0.029	Ω_m	0.277 ± 0.029
$\Omega_m h^2$	0.1362 ± 0.0057	$r_{\rm hor}(z_{\rm dec})$	$284.1^{+3.0}_{-3.1}$ Mpc
$r_s(z_d)$	152.3 ± 1.8 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1898 ± 0.0069
$r_s(z_d)/D_v(z = 0.35)$	0.1140 ± 0.0037	$r_s(z_*)$	145.8 ± 1.6 Mpc
R	1.726 ± 0.018	σ_8	0.811 ± 0.032
$A_{\rm SZ}$	$1.01^{+0.99}_{-1.01}$	t_0	13.72 ± 0.14 Gyr
τ	0.083 ± 0.016	θ_*	0.010397 ± 0.000030
θ_*	0.5957 ± 0.0017 °	t_*	376715^{+5150}_{-5179} yr
$z_{\rm dec}$	1088.2 ± 1.2	z_d	1020.7 ± 1.5
$z_{\rm eq}$	3262^{+138}_{-137}	$z_{\rm reion}$	10.8 ± 1.4
z_*	$1090.90^{+0.94}_{-0.91}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens

Data: wmap5+snall

$10^2\Omega_b h^2$	2.263 ± 0.060	$1 - n_s$	0.041 ± 0.014
$1 - n_s$	$0.015 < 1 - n_s < 0.068$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.476 ± 0.014
C_{220}	5746 ± 42	$d_A(z_{\rm eq})$	14154^{+148}_{-149} Mpc
$d_A(z_*)$	13988^{+149}_{-151} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.468^{+0.099}_{-0.098}) \times 10^{-9}$
h	0.696 ± 0.017	H_0	69.6 ± 1.7 km/s/Mpc
$k_{\rm eq}$	$0.01006^{+0.00032}_{-0.00031}$	$\ell_{\rm eq}$	140.7 ± 3.1
ℓ_*	$302.19^{+0.84}_{-0.85}$	n_s	0.959 ± 0.014
Ω_b	0.0467 ± 0.0020	$\Omega_b h^2$	0.02263 ± 0.00060
Ω_c	0.238 ± 0.018	$\Omega_c h^2$	0.1152 ± 0.0042
Ω_Λ	0.715 ± 0.020	Ω_m	0.285 ± 0.020
$\Omega_m h^2$	0.1378 ± 0.0043	$r_{\rm hor}(z_{\rm dec})$	$283.1^{+2.2}_{-2.3}$ Mpc
$r_s(z_d)$	151.9 ± 1.5 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1876 ± 0.0046
$r_s(z_d)/D_v(z = 0.35)$	0.1128 ± 0.0025	$r_s(z_*)$	145.4 ± 1.3 Mpc
R	1.732 ± 0.012	σ_8	0.820 ± 0.028
$A_{\rm SZ}$	1.00 ± 0.68	t_0	13.74 ± 0.13 Gyr
τ	0.083 ± 0.016	θ_*	0.010396 ± 0.000029
θ_*	0.5957 ± 0.0017 °	t_*	375127^{+3756}_{-3766} yr
$z_{\rm dec}$	1088.3 ± 1.1	z_d	1020.8 ± 1.5
$z_{\rm eq}$	3301^{+104}_{-103}	$z_{\rm reion}$	10.8 ± 1.4
z_*	$1091.11^{+0.78}_{-0.79}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+iso1

Data: wmap5

$10^2\Omega_b h^2$	2.309 ± 0.060	$1 - n_s$	0.017 ± 0.017
$1 - n_s$	$-0.019 < 1 - n_s < 0.049$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.433 ± 0.024
α_{-1}	< 0.011 (95% CL)	C_{220}	5770 ± 43
$d_A(z_{\rm eq})$	14343^{+189}_{-194} Mpc	$d_A(z_*)$	14180^{+192}_{-197} Mpc
$\Delta^2_{\mathcal{R}}$	$(2.23 \pm 0.14) \times 10^{-9}$	h	0.755 ± 0.033
H_0	75.5 ± 3.3 km/s/Mpc	$k_{\rm eq}$	0.00934 ± 0.00049
$\ell_{\rm eq}$	$132.3^{+5.3}_{-5.2}$	ℓ_*	$301.13^{+0.99}_{-0.97}$
n_s	0.983 ± 0.017	Ω_b	0.0407 ± 0.0032
$\Omega_b h^2$	0.02309 ± 0.00060	Ω_c	0.186 ± 0.027
$\Omega_c h^2$	$0.1048^{+0.0068}_{-0.0066}$	Ω_Λ	0.773 ± 0.030
Ω_m	0.227 ± 0.030	$\Omega_m h^2$	0.1278 ± 0.0067
$r_{\rm hor}(z_{\rm dec})$	288.7 ± 3.8 Mpc	$r_s(z_d)$	154.4 ± 2.1 Mpc
$r_s(z_d)/D_v(z = 0.2)$	0.2044 ± 0.0097	$r_s(z_d)/D_v(z = 0.35)$	$0.1218^{+0.0052}_{-0.0053}$
$r_s(z_*)$	147.9 ± 1.9 Mpc	R	1.690 ± 0.024
σ_8	$0.778^{+0.039}_{-0.038}$	$A_{\rm SZ}$	$1.06^{+0.94}_{-0.70}$
t_0	$13.52^{+0.16}_{-0.15}$ Gyr	τ	$0.087^{+0.016}_{-0.017}$
θ_*	0.010433 ± 0.000034	θ_*	$0.5977^{+0.0019}_{-0.0020}$ °
t_*	384949^{+6459}_{-6583} yr	$z_{\rm dec}$	1087.2 ± 1.2
z_d	$1020.8^{+1.5}_{-1.4}$	$z_{\rm eq}$	3062 ± 160
$z_{\rm reion}$	10.8 ± 1.4	z_*	$1089.61^{+1.01}_{-0.96}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+iso1

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	2.280 ± 0.058	$1 - n_s$	0.031 ± 0.014
$1 - n_s$	$0.0023 < 1 - n_s < 0.0579$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.470 ± 0.010
α_{-1}	< 0.0037 (95% CL)	C_{220}	5751 ± 42
$d_A(z_{\rm eq})$	14131^{+143}_{-138} Mpc	$d_A(z_*)$	13965^{+144}_{-140} Mpc
$\Delta^2_{\mathcal{R}}$	$(2.38 \pm 0.10) \times 10^{-9}$	h	0.707 ± 0.014
H_0	70.7 ± 1.4 km/s/Mpc	$k_{\rm eq}$	$0.01002^{+0.00026}_{-0.00027}$
$\ell_{\rm eq}$	$139.9^{+2.4}_{-2.5}$	ℓ_*	301.59 ± 0.87
n_s	0.969 ± 0.014	Ω_b	0.0456 ± 0.0015
$\Omega_b h^2$	0.02280 ± 0.00058	Ω_c	0.229 ± 0.013
$\Omega_c h^2$	$0.1145^{+0.0034}_{-0.0035}$	Ω_Λ	0.725 ± 0.015
Ω_m	0.275 ± 0.015	$\Omega_m h^2$	$0.1373^{+0.0036}_{-0.0037}$
$r_{\rm hor}(z_{\rm dec})$	$283.5^{+1.9}_{-1.8}$ Mpc	$r_s(z_d)$	151.9 ± 1.4 Mpc
$r_s(z_d)/D_v(z = 0.2)$	$0.1902^{+0.0036}_{-0.0035}$	$r_s(z_d)/D_v(z = 0.35)$	0.1142 ± 0.0019
$r_s(z_*)$	$145.5^{+1.2}_{-1.1}$ Mpc	R	1.7255 ± 0.0094
σ_8	$0.823^{+0.026}_{-0.027}$	$A_{\rm SZ}$	$0.98^{+0.67}_{-0.98}$
t_0	13.66 ± 0.13 Gyr	τ	0.082 ± 0.016
θ_*	0.010417 ± 0.000030	θ_*	0.5968 ± 0.0017 °
t_*	375745^{+3165}_{-3093} yr	$z_{\rm dec}$	1088.1 ± 1.1
z_d	$1021.1^{+1.5}_{-1.4}$	$z_{\rm eq}$	3288^{+87}_{-90}
$z_{\rm reion}$	$10.7^{+1.4}_{-1.5}$	z_*	1090.82 ± 0.70

WMAP Cosmological Parameters

Model: lcdm+sz+lens+iso2

Data: wmap5

$10^2\Omega_b h^2$	$2.343^{+0.081}_{-0.082}$	$1-n_s$	0.013 ± 0.022
$1-n_s$	$-0.043 < 1-n_s < 0.053$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.436 ± 0.026
α_0	< 0.16 (95% CL)	C_{220}	5760^{+42}_{-43}
$d_A(z_{\rm eq})$	14325^{+185}_{-186} Mpc	$d_A(z_*)$	14162^{+187}_{-188} Mpc
$\Delta^2_{\mathcal{R}}$	$(2.35 \pm 0.11) \times 10^{-9}$	h	0.751 ± 0.036
H_0	75.1 ± 3.6 km/s/Mpc	$k_{\rm eq}$	0.00939 ± 0.00049
$\ell_{\rm eq}$	$132.9^{+5.3}_{-5.4}$	ℓ_*	$301.56^{+0.94}_{-0.93}$
n_s	0.987 ± 0.022	Ω_b	$0.0418^{+0.0033}_{-0.0032}$
$\Omega_b h^2$	$0.02343^{+0.00081}_{-0.00082}$	Ω_c	0.189 ± 0.030
$\Omega_c h^2$	$0.1052^{+0.0068}_{-0.0070}$	Ω_Λ	0.769 ± 0.033
Ω_m	0.231 ± 0.033	$\Omega_m h^2$	0.1286 ± 0.0067
$r_{\rm hor}(z_{\rm dec})$	$288.4^{+3.8}_{-3.7}$ Mpc	$r_s(z_d)$	153.9 ± 2.0 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.203 ± 0.010	$r_s(z_d)/D_v(z=0.35)$	0.1209 ± 0.0055
$r_s(z_*)$	147.5 ± 1.8 Mpc	R	$1.693^{+0.026}_{-0.025}$
σ_8	0.777 ± 0.038	$A_{\rm SZ}$	$1.02^{+0.97}_{-0.67}$
t_0	13.53 ± 0.18 Gyr	τ	0.087 ± 0.017
θ_*	0.010418 ± 0.000032	θ_*	$0.5969^{+0.0018}_{-0.0019}$ ∘
t_*	384455^{+6654}_{-6560} yr	$z_{\rm dec}$	1086.9 ± 1.3
z_d	1021.6 ± 1.8	$z_{\rm eq}$	3081^{+160}_{-162}
$z_{\rm reion}$	10.7 ± 1.4	z_*	1089.2 ± 1.3

WMAP Cosmological Parameters

Model: lcdm+sz+lens+iso2

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.295^{+0.063}_{-0.062}$	$1-n_s$	0.031 ± 0.015
$1-n_s$	$0.00033 < 1-n_s < 0.05985$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.4703^{+0.0098}_{-0.0099}$
α_0	< 0.067 (95% CL)	C_{220}	5745^{+42}_{-41}
$d_A(z_{\rm eq})$	14140^{+141}_{-139} Mpc	$d_A(z_*)$	13974^{+142}_{-140} Mpc
$\Delta^2_{\mathcal{R}}$	$(2.448 \pm 0.092) \times 10^{-9}$	h	0.706 ± 0.013
H_0	70.6 ± 1.3 km/s/Mpc	$k_{\rm eq}$	$0.01002^{+0.00026}_{-0.00027}$
$\ell_{\rm eq}$	139.9 ± 2.4	ℓ_*	$301.89^{+0.86}_{-0.84}$
n_s	0.969 ± 0.015	Ω_b	$0.0461^{+0.0014}_{-0.0015}$
$\Omega_b h^2$	$0.02295^{+0.00063}_{-0.00062}$	Ω_c	0.230 ± 0.013
$\Omega_c h^2$	$0.1142^{+0.0033}_{-0.0034}$	Ω_Λ	0.724 ± 0.014
Ω_m	0.276 ± 0.014	$\Omega_m h^2$	0.1372 ± 0.0036
$r_{\rm hor}(z_{\rm dec})$	283.5 ± 1.9 Mpc	$r_s(z_d)$	151.8 ± 1.4 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.1897 ± 0.0034	$r_s(z_d)/D_v(z=0.35)$	0.1139 ± 0.0018
$r_s(z_*)$	$145.4^{+1.2}_{-1.1}$ Mpc	R	$1.7261^{+0.0090}_{-0.0091}$
σ_8	0.820 ± 0.026	$A_{\rm SZ}$	$0.99^{+0.67}_{-0.99}$
t_0	13.67 ± 0.13 Gyr	τ	0.083 ± 0.016
θ_*	$0.010406^{+0.000029}_{-0.000030}$	θ_*	0.5962 ± 0.0017 °
t_*	375943^{+3102}_{-3087} yr	$z_{\rm dec}$	1087.9 ± 1.1
z_d	$1021.5^{+1.6}_{-1.5}$	$z_{\rm eq}$	3286 ± 87
$z_{\rm reion}$	10.7 ± 1.4	z_*	$1090.61^{+0.75}_{-0.77}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+mnu

Data: wmap5

$10^2\Omega_b h^2$	$2.226^{+0.063}_{-0.065}$	$1-n_s$	0.050 ± 0.017
$1-n_s$	$0.015 < 1-n_s < 0.084$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.503 ± 0.040
C_{220}	5759 ± 45	$d_A(z_{\rm eq})$	14248^{+192}_{-191} Mpc
$d_A(z_*)$	14082 ± 193 Mpc	$\Delta^2_{\mathcal{R}}$	$(2.48^{+0.13}_{-0.14}) \times 10^{-9}$
h	0.657 ± 0.049	H_0	65.7 ± 4.9 km/s/Mpc
$k_{\rm eq}$	0.01020 ± 0.00060	$\ell_{\rm eq}$	$143.5^{+6.8}_{-6.9}$
ℓ_*	$304.8^{+1.9}_{-2.0}$	$\sum m_\nu$	< 1.3 eV (95% CL)
n_s	0.950 ± 0.017	Ω_b	$0.0523^{+0.0071}_{-0.0069}$
$\Omega_b h^2$	$0.02226^{+0.00063}_{-0.00065}$	Ω_c	$0.262^{+0.049}_{-0.048}$
$\Omega_c h^2$	$0.1110^{+0.0062}_{-0.0063}$	Ω_Λ	0.669 ± 0.066
Ω_m	$0.331^{+0.066}_{-0.065}$	$\Omega_m h^2$	0.1397 ± 0.0082
$\Omega_\nu h^2$	< 0.014 (95% CL)	$r_{\rm hor}(z_{\rm dec})$	284.9 ± 3.5 Mpc
$r_s(z_d)$	151.7 ± 2.3 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.178 ± 0.013
$r_s(z_d)/D_v(z=0.35)$	$0.1078^{+0.0070}_{-0.0069}$	$r_s(z_*)$	145.1 ± 2.1 Mpc
R	$1.754^{+0.035}_{-0.034}$	σ_8	$0.675^{+0.084}_{-0.082}$
$A_{\rm SZ}$	$1.08^{+0.64}_{-0.68}$	t_0	14.06 ± 0.27 Gyr
τ	0.084 ± 0.016	θ_*	$0.010307^{+0.000067}_{-0.000064}$
θ_*	$0.5906^{+0.0038}_{-0.0037}$ °	t_*	373306^{+7387}_{-7391} yr
$z_{\rm dec}$	$1088.6^{+1.2}_{-1.3}$	z_d	1020.1 ± 1.5
$z_{\rm eq}$	3346 ± 197	$z_{\rm reion}$	$11.0^{+1.5}_{-1.4}$
z_*	1091.8 ± 1.3		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+mnu

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.255^{+0.059}_{-0.060}$	$1-n_s$	0.040 ± 0.013
$1-n_s$	$0.015 < 1-n_s < 0.066$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.475 ± 0.010
C_{220}	5758^{+44}_{-42}	$d_A(z_{\rm eq})$	14288^{+162}_{-168} Mpc
$d_A(z_*)$	14123^{+163}_{-169} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.416 \pm 0.093) \times 10^{-9}$
h	$0.692^{+0.014}_{-0.015}$	H_0	$69.2^{+1.4}_{-1.5}$ km/s/Mpc
$k_{\rm eq}$	0.00985 ± 0.00029	$\ell_{\rm eq}$	139.1 ± 2.6
ℓ_*	303.4 ± 1.2	$\sum m_\nu$	< 0.61 eV (95% CL)
n_s	0.960 ± 0.013	Ω_b	0.0471 ± 0.0017
$\Omega_b h^2$	$0.02255^{+0.00059}_{-0.00060}$	Ω_c	0.228 ± 0.014
$\Omega_c h^2$	$0.1093^{+0.0045}_{-0.0046}$	Ω_Λ	0.718 ± 0.015
Ω_m	0.282 ± 0.015	$\Omega_m h^2$	$0.1349^{+0.0039}_{-0.0040}$
$\Omega_\nu h^2$	< 0.0065 (95% CL)	$r_{\rm hor}(z_{\rm dec})$	286.2 ± 2.5 Mpc
$r_s(z_d)$	152.8 ± 1.5 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1875^{+0.0036}_{-0.0037}$
$r_s(z_d)/D_v(z=0.35)$	$0.1127^{+0.0019}_{-0.0020}$	$r_s(z_*)$	$146.2^{+1.3}_{-1.2}$ Mpc
R	$1.7298^{+0.0095}_{-0.0093}$	σ_8	$0.732^{+0.062}_{-0.061}$
$A_{\rm SZ}$	$1.05^{+0.95}_{-0.68}$	t_0	$13.86^{+0.16}_{-0.15}$ Gyr
τ	0.086 ± 0.016	θ_*	0.010355 ± 0.000042
θ_*	0.5933 ± 0.0024 °	t_*	377718^{+3443}_{-3430} yr
$z_{\rm dec}$	1088.0 ± 1.1	z_d	$1020.4^{+1.5}_{-1.6}$
$z_{\rm eq}$	3231 ± 95	$z_{\rm reion}$	11.0 ± 1.4
z_*	$1090.97^{+0.70}_{-0.72}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+mnu+run

Data: wmap5

$10^2\Omega_b h^2$	$2.155^{+0.094}_{-0.091}$	$1-n_s$	$-0.015^{+0.055}_{-0.053}$
$1-n_s$	$-0.118 < 1-n_s < 0.084$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.532 ± 0.047
C_{220}	5763 ± 42	$d_A(z_{\rm eq})$	14121^{+218}_{-211} Mpc
$d_A(z_*)$	13953^{+220}_{-213} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.47^{+0.12}_{-0.13}) \times 10^{-9}$
$dn_s/d\ln k$	$-0.035^{+0.029}_{-0.027}$	$dn_s/d\ln k$	$-0.087 < dn_s/d\ln k < 0.018$ (95% CL)
h	$0.626^{+0.053}_{-0.052}$	H_0	$62.6^{+5.3}_{-5.2}$ km/s/Mpc
$k_{\rm eq}$	$0.01069^{+0.00072}_{-0.00075}$	$\ell_{\rm eq}$	$149.0^{+8.2}_{-8.4}$
ℓ_*	304.8 ± 1.9	$\sum m_\nu$	< 1.3 eV (95% CL)
n_s	$1.015^{+0.053}_{-0.055}$	Ω_b	$0.0559^{+0.0079}_{-0.0080}$
$\Omega_b h^2$	$0.02155^{+0.00094}_{-0.00091}$	Ω_c	$0.312^{+0.070}_{-0.069}$
$\Omega_c h^2$	$0.1186^{+0.0089}_{-0.0092}$	Ω_Λ	$0.615^{+0.088}_{-0.087}$
Ω_m	$0.385^{+0.087}_{-0.088}$	$\Omega_m h^2$	$0.1463^{+0.0099}_{-0.0103}$
$\Omega_\nu h^2$	< 0.014 (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$281.2^{+4.7}_{-4.6}$ Mpc
$r_s(z_d)$	$150.6^{+2.5}_{-2.4}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.170^{+0.014}_{-0.013}$
$r_s(z_d)/D_v(z=0.35)$	$0.1036^{+0.0072}_{-0.0071}$	$r_s(z_*)$	143.8 ± 2.4 Mpc
R	1.779 ± 0.039	σ_8	$0.699^{+0.085}_{-0.086}$
$A_{\rm SZ}$	$1.12^{+0.63}_{-0.66}$	t_0	$14.16^{+0.28}_{-0.29}$ Gyr
τ	$0.088^{+0.018}_{-0.017}$	θ_*	$0.010306^{+0.000063}_{-0.000065}$
θ_*	$0.5905^{+0.0036}_{-0.0037}$ °	t_*	366982^{+9029}_{-8816} yr
$z_{\rm dec}$	$1089.8^{+1.7}_{-1.8}$	z_d	1019.0 ± 1.9
$z_{\rm eq}$	3505^{+237}_{-246}	$z_{\rm reion}$	11.8 ± 1.6
z_*	1093.5 ± 2.0		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+mnu+tens

Data: wmap5

$10^2\Omega_b h^2$	$2.295^{+0.088}_{-0.087}$	$1-n_s$	0.026 ± 0.025
$1-n_s$	$-0.026 < 1-n_s < 0.072$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.481^{+0.043}_{-0.040}$
C_{220}	5764^{+45}_{-44}	$d_A(z_{\rm eq})$	14314^{+201}_{-204} Mpc
$d_A(z_*)$	14149^{+204}_{-207} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.30 \pm 0.19) \times 10^{-9}$
h	$0.685^{+0.053}_{-0.055}$	H_0	$68.5^{+5.3}_{-5.5}$ km/s/Mpc
$k_{\rm eq}$	$0.00988^{+0.00065}_{-0.00062}$	$\ell_{\rm eq}$	$139.6^{+7.7}_{-7.2}$
ℓ_*	304.5 ± 2.0	$\sum m_\nu$	< 1.4 eV (95% CL)
n_s	0.974 ± 0.025	Ω_b	$0.0496^{+0.0070}_{-0.0067}$
$\Omega_b h^2$	$0.02295^{+0.00088}_{-0.00087}$	Ω_c	$0.231^{+0.049}_{-0.047}$
$\Omega_c h^2$	0.1058 ± 0.0074	Ω_Λ	$0.704^{+0.062}_{-0.066}$
Ω_m	$0.296^{+0.066}_{-0.062}$	$\Omega_m h^2$	$0.1353^{+0.0089}_{-0.0085}$
$\Omega_\nu h^2$	< 0.014 (95% CL)	r	< 0.42 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	287.6 ± 4.2 Mpc	$r_s(z_d)$	$152.4^{+2.2}_{-2.4}$ Mpc
$r_s(z_d)/D_v(z=0.2)$	$0.186^{+0.014}_{-0.015}$	$r_s(z_d)/D_v(z=0.35)$	$0.1116^{+0.0074}_{-0.0081}$
$r_s(z_*)$	$146.0^{+2.1}_{-2.3}$ Mpc	R	$1.734^{+0.039}_{-0.036}$
σ_8	$0.656^{+0.083}_{-0.084}$	$A_{\rm SZ}$	$1.09^{+0.90}_{-0.69}$
t_0	$13.93^{+0.31}_{-0.30}$ Gyr	τ	$0.088^{+0.017}_{-0.018}$
θ_*	$0.010318^{+0.000069}_{-0.000067}$	θ_*	$0.5912^{+0.0040}_{-0.0038}$ °
t_*	377894^{+8091}_{-8486} yr	$z_{\rm dec}$	$1087.5^{+1.4}_{-1.5}$
z_d	1021.2 ± 1.8	$z_{\rm eq}$	3240^{+213}_{-204}
$z_{\rm reion}$	11.1 ± 1.4	z_*	1090.5 ± 1.6

WMAP Cosmological Parameters

Model: lcdm+sz+lens+nrel

Data: wmap5

$10^2\Omega_b h^2$	$2.271^{+0.058}_{-0.059}$	$1-n_s$	$0.012^{+0.025}_{-0.024}$
$1-n_s$	$-0.030 < 1-n_s < 0.066$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.461 ± 0.022
C_{220}	5748^{+43}_{-42}	$d_A(z_{\rm eq})$	12575^{+1450}_{-1483} Mpc
$d_A(z_*)$	12432^{+1434}_{-1467} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.38 \pm 0.12) \times 10^{-9}$
h	$0.819^{+0.096}_{-0.092}$	H_0	$81.9^{+9.6}_{-9.2}$ km/s/Mpc
$k_{\rm eq}$	$0.0111^{+0.0014}_{-0.0013}$	$\ell_{\rm eq}$	$136.1^{+4.9}_{-4.8}$
ℓ_*	304.2 ± 1.9	$N_{\rm eff}$	> 2.3 (95% CL)
n_s	$0.988^{+0.024}_{-0.025}$	Ω_b	0.0350 ± 0.0079
$\Omega_b h^2$	$0.02271^{+0.00058}_{-0.00059}$	Ω_c	0.228 ± 0.031
$\Omega_c h^2$	$0.155^{+0.044}_{-0.041}$	Ω_Λ	$0.737^{+0.031}_{-0.030}$
Ω_m	$0.263^{+0.030}_{-0.031}$	$\Omega_m h^2$	$0.178^{+0.044}_{-0.041}$
$r_{\rm hor}(z_{\rm dec})$	250^{+30}_{-31} Mpc	$r_s(z_d)$	134 ± 16 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.1921 ± 0.0079	$r_s(z_d)/D_v(z=0.35)$	$0.1151^{+0.0043}_{-0.0042}$
$r_s(z_*)$	128 ± 16 Mpc	R	$1.717^{+0.020}_{-0.021}$
σ_8	$0.888^{+0.087}_{-0.088}$	$A_{\rm SZ}$	1.00 ± 0.67
t_0	12.1 ± 1.4 Gyr	τ	0.086 ± 0.017
θ_*	$0.010328^{+0.000065}_{-0.000063}$	θ_*	$0.5917^{+0.0037}_{-0.0036}$ °
t_*	331849^{+40963}_{-41808} yr	$z_{\rm dec}$	$1091.5^{+3.6}_{-3.4}$
z_d	1022.6 ± 2.0	$z_{\rm eq}$	3141^{+154}_{-157}
$z_{\rm reion}$	12.0 ± 1.9	z_*	$1094.1^{+3.4}_{-3.3}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+nrel

Data: wmap5+bao+snall+hst

$10^2\Omega_b h^2$	2.264 ± 0.058	$1 - n_s$	0.026 ± 0.019
$1 - n_s$	$-0.012 < 1 - n_s < 0.064$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	$0.4727^{+0.0099}_{-0.0097}$
C_{220}	5744 ± 42	$d_A(z_{\rm eq})$	13235^{+1034}_{-1027} Mpc
$d_A(z_*)$	13082^{+1021}_{-1013} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.442^{+0.095}_{-0.097}) \times 10^{-9}$
h	$0.755^{+0.059}_{-0.060}$	H_0	$75.5^{+5.9}_{-6.0}$ km/s/Mpc
$k_{\rm eq}$	0.01069 ± 0.00080	$\ell_{\rm eq}$	$139.1^{+2.7}_{-2.6}$
ℓ_*	$303.4^{+1.6}_{-1.7}$	$N_{\rm eff}$	4.4 ± 1.5
$N_{\rm eff}$	$1.9 < N_{\rm eff} < 7.8$ (95% CL)	n_s	0.974 ± 0.019
Ω_b	$0.0405^{+0.0064}_{-0.0063}$	$\Omega_b h^2$	0.02264 ± 0.00058
Ω_c	0.239 ± 0.015	$\Omega_c h^2$	0.137 ± 0.025
Ω_Λ	0.721 ± 0.014	Ω_m	0.279 ± 0.014
$\Omega_m h^2$	0.160 ± 0.025	$r_{\rm hor}(z_{\rm dec})$	264 ± 22 Mpc
$r_s(z_d)$	142 ± 12 Mpc	$r_s(z_d)/D_v(z = 0.2)$	$0.1882^{+0.0035}_{-0.0034}$
$r_s(z_d)/D_v(z = 0.35)$	$0.1131^{+0.0019}_{-0.0018}$	$r_s(z_*)$	136 ± 11 Mpc
R	$1.7282^{+0.0091}_{-0.0088}$	σ_8	$0.865^{+0.059}_{-0.058}$
$A_{\rm SZ}$	$0.97^{+0.70}_{-0.96}$	t_0	12.82 ± 0.99 Gyr
τ	$0.085^{+0.017}_{-0.016}$	θ_*	$0.010355^{+0.000057}_{-0.000056}$
θ_*	0.5933 ± 0.0032 °	t_*	349504^{+28991}_{-29052} yr
$z_{\rm dec}$	$1090.2^{+2.3}_{-2.4}$	z_d	$1022.1^{+1.9}_{-2.0}$
$z_{\rm eq}$	3240^{+99}_{-97}	$z_{\rm reion}$	11.5 ± 1.6
z_*	1092.9 ± 2.2		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+nrel

Data: wmap5+bao+snall+hst+lyapost

$10^2\Omega_b h^2$	2.264 ± 0.058	$1 - n_s$	0.026 ± 0.019
$1 - n_s$	$-0.012 < 1 - n_s < 0.064$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	$0.4727^{+0.0099}_{-0.0097}$
C_{220}	5744 ± 42	$d_A(z_{\rm eq})$	13235^{+1034}_{-1027} Mpc
$d_A(z_*)$	13082^{+1021}_{-1013} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.442^{+0.095}_{-0.097}) \times 10^{-9}$
h	$0.755^{+0.059}_{-0.060}$	H_0	$75.5^{+5.9}_{-6.0}$ km/s/Mpc
$k_{\rm eq}$	0.01069 ± 0.00080	$\ell_{\rm eq}$	$139.1^{+2.7}_{-2.6}$
ℓ_*	$303.4^{+1.6}_{-1.7}$	$N_{\rm eff}$	4.4 ± 1.5
$N_{\rm eff}$	$1.9 < N_{\rm eff} < 7.8$ (95% CL)	n_s	0.974 ± 0.019
Ω_b	$0.0405^{+0.0064}_{-0.0063}$	$\Omega_b h^2$	0.02264 ± 0.00058
Ω_c	0.239 ± 0.015	$\Omega_c h^2$	0.137 ± 0.025
Ω_Λ	0.721 ± 0.014	Ω_m	0.279 ± 0.014
$\Omega_m h^2$	0.160 ± 0.025	$r_{\rm hor}(z_{\rm dec})$	264 ± 22 Mpc
$r_s(z_d)$	142 ± 12 Mpc	$r_s(z_d)/D_v(z = 0.2)$	$0.1882^{+0.0035}_{-0.0034}$
$r_s(z_d)/D_v(z = 0.35)$	$0.1131^{+0.0019}_{-0.0018}$	$r_s(z_*)$	136 ± 11 Mpc
R	$1.7282^{+0.0091}_{-0.0088}$	σ_8	$0.865^{+0.059}_{-0.058}$
$A_{\rm SZ}$	$0.97^{+0.70}_{-0.96}$	t_0	12.82 ± 0.99 Gyr
τ	$0.085^{+0.017}_{-0.016}$	θ_*	$0.010355^{+0.000057}_{-0.000056}$
θ_*	0.5933 ± 0.0032 °	t_*	349504^{+28991}_{-29052} yr
$z_{\rm dec}$	$1090.2^{+2.3}_{-2.4}$	z_d	$1022.1^{+1.9}_{-2.0}$
$z_{\rm eq}$	3240^{+99}_{-97}	$z_{\rm reion}$	11.5 ± 1.6
z_*	1092.9 ± 2.2		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run

Data: wmap5

$10^2\Omega_b h^2$	$2.191^{+0.086}_{-0.084}$	$1-n_s$	$-0.031^{+0.055}_{-0.054}$
$1-n_s$	$-0.135 < 1-n_s < 0.075$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.489 ± 0.033
C_{220}	5758^{+43}_{-42}	$d_A(z_{\rm eq})$	14143 ± 208 Mpc
$d_A(z_*)$	13977 ± 210 Mpc	$\Delta^2_{\mathcal{R}}$	$(2.40 \pm 0.11) \times 10^{-9}$
$dn_s/d\ln k$	-0.037 ± 0.028	$dn_s/d\ln k$	$-0.090 < dn_s/d\ln k < 0.019$ (95% CL)
h	0.680 ± 0.039	H_0	68.0 ± 3.9 km/s/Mpc
$k_{\rm eq}$	$0.01022^{+0.00061}_{-0.00062}$	$\ell_{\rm eq}$	$142.7^{+6.6}_{-6.7}$
ℓ_*	$302.30^{+0.87}_{-0.86}$	n_s	$1.031^{+0.054}_{-0.055}$
Ω_b	$0.0477^{+0.0042}_{-0.0043}$	$\Omega_b h^2$	$0.02191^{+0.00086}_{-0.00084}$
Ω_c	0.260 ± 0.048	$\Omega_c h^2$	$0.1181^{+0.0088}_{-0.0089}$
Ω_Λ	0.692 ± 0.052	Ω_m	0.308 ± 0.052
$\Omega_m h^2$	$0.1400^{+0.0084}_{-0.0085}$	$r_{\rm hor}(z_{\rm dec})$	281.9 ± 4.5 Mpc
$r_s(z_d)$	152.0 ± 2.2 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.184 ± 0.011
$r_s(z_d)/D_v(z=0.35)$	$0.1110^{+0.0057}_{-0.0056}$	$r_s(z_*)$	145.2 ± 2.1 Mpc
R	$1.743^{+0.029}_{-0.030}$	σ_8	0.816 ± 0.036
$A_{\rm SZ}$	$1.04^{+0.96}_{-0.69}$	t_0	13.83 ± 0.17 Gyr
τ	0.092 ± 0.018	θ_*	0.010392 ± 0.000030
θ_*	0.5954 ± 0.0017 °	t_*	372771^{+7872}_{-7834} yr
$z_{\rm dec}$	1089.3 ± 1.6	z_d	1019.4 ± 1.8
$z_{\rm eq}$	3353^{+202}_{-203}	$z_{\rm reion}$	11.9 ± 1.7
z_*	1092.3 ± 1.7		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run

Data: wmap5+acb

$10^2\Omega_b h^2$	$2.208^{+0.073}_{-0.074}$	$1-n_s$	-0.031 ± 0.049
$1-n_s$	$-0.125 < 1-n_s < 0.063$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.491 ± 0.032
C_{220}	5762^{+41}_{-43}	$d_A(z_{\rm eq})$	14081^{+205}_{-201} Mpc
$d_A(z_*)$	13914^{+207}_{-203} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.11) \times 10^{-9}$
$dn_s/d\ln k$	$-0.035^{+0.024}_{-0.025}$	$dn_s/d\ln k$	$-0.082 < dn_s/d\ln k < 0.015$ (95% CL)
h	0.681 ± 0.036	H_0	68.1 ± 3.6 km/s/Mpc
$k_{\rm eq}$	$0.01032^{+0.00060}_{-0.00061}$	$\ell_{\rm eq}$	$143.5^{+6.5}_{-6.6}$
ℓ_*	$301.90^{+0.74}_{-0.77}$	n_s	1.031 ± 0.049
Ω_b	$0.0479^{+0.0040}_{-0.0041}$	$\Omega_b h^2$	$0.02208^{+0.00073}_{-0.00074}$
Ω_c	0.261 ± 0.046	$\Omega_c h^2$	$0.1193^{+0.0087}_{-0.0088}$
Ω_Λ	0.691 ± 0.050	Ω_m	0.309 ± 0.050
$\Omega_m h^2$	$0.1414^{+0.0083}_{-0.0084}$	$r_{\rm hor}(z_{\rm dec})$	$281.2^{+4.5}_{-4.4}$ Mpc
$r_s(z_d)$	151.4 ± 2.1 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.184 ± 0.010
$r_s(z_d)/D_v(z=0.35)$	$0.1109^{+0.0053}_{-0.0054}$	$r_s(z_*)$	144.8 ± 2.0 Mpc
R	1.744 ± 0.028	σ_8	0.826 ± 0.035
$A_{\rm SZ}$	$1.11^{+0.62}_{-0.67}$	t_0	13.78 ± 0.15 Gyr
τ	0.092 ± 0.018	θ_*	$0.010406^{+0.000027}_{-0.000026}$
θ_*	0.5962 ± 0.0015 °	t_*	371649^{+7833}_{-7627} yr
$z_{\rm dec}$	1089.2 ± 1.5	z_d	1019.9 ± 1.5
$z_{\rm eq}$	3387^{+198}_{-202}	$z_{\rm reion}$	11.9 ± 1.6
z_*	1092.2 ± 1.5		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	2.205 ± 0.071	$1 - n_s$	$-0.022^{+0.042}_{-0.043}$
$1 - n_s$	$-0.109 < 1 - n_s < 0.061$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.479 ± 0.011
C_{220}	5761^{+42}_{-41}	$d_A(z_{\rm eq})$	14199^{+143}_{-144} Mpc
$d_A(z_*)$	14033 ± 145 Mpc	$\Delta^2_{\mathcal{R}}$	$(2.39 \pm 0.10) \times 10^{-9}$
$dn_s/d\ln k$	$-0.032^{+0.021}_{-0.020}$	$dn_s/d\ln k$	$-0.0728 < dn_s/d\ln k < 0.0087$ (95% CL)
h	0.691 ± 0.014	H_0	69.1 ± 1.4 km/s/Mpc
$k_{\rm eq}$	0.01002 ± 0.00028	$\ell_{\rm eq}$	140.6 ± 2.6
ℓ_*	$302.24^{+0.84}_{-0.86}$	n_s	$1.022^{+0.043}_{-0.042}$
Ω_b	0.0462 ± 0.0015	$\Omega_b h^2$	0.02205 ± 0.00071
Ω_c	0.242 ± 0.015	$\Omega_c h^2$	0.1152 ± 0.0036
Ω_Λ	0.712 ± 0.016	Ω_m	0.288 ± 0.016
$\Omega_m h^2$	0.1372 ± 0.0038	$r_{\rm hor}(z_{\rm dec})$	283.3 ± 2.0 Mpc
$r_s(z_d)$	152.6 ± 1.5 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1871 ± 0.0035
$r_s(z_d)/D_v(z = 0.35)$	0.1126 ± 0.0019	$r_s(z_*)$	145.9 ± 1.2 Mpc
R	1.7336 ± 0.0097	σ_8	0.808 ± 0.027
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$	t_0	13.80 ± 0.13 Gyr
τ	0.092 ± 0.018	θ_*	$0.010394^{+0.000030}_{-0.000029}$
θ_*	0.5956 ± 0.0017 °	t_*	375171^{+3231}_{-3298} yr
$z_{\rm dec}$	1088.9 ± 1.2	z_d	1019.5 ± 1.8
$z_{\rm eq}$	3287^{+92}_{-91}	$z_{\rm reion}$	11.8 ± 1.7
z_*	$1091.89^{+0.96}_{-0.94}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run

Data: wmap5+bao+snall+lyapost

$10^2\Omega_b h^2$	$2.291^{+0.061}_{-0.058}$	$1-n_s$	0.004 ± 0.030
$1-n_s$	$-0.050 < 1-n_s < 0.061$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.4836^{+0.0092}_{-0.0099}$
C_{220}	5766^{+43}_{-41}	$d_A(z_{\rm eq})$	14003^{+118}_{-114} Mpc
$d_A(z_*)$	13836^{+118}_{-115} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.450^{+0.097}_{-0.096}) \times 10^{-9}$
$dn_s/d\ln k$	-0.012 ± 0.012	$dn_s/d\ln k$	$-0.034 < dn_s/d\ln k < 0.011$ (95% CL)
h	0.694 ± 0.012	H_0	69.4 ± 1.2 km/s/Mpc
$k_{\rm eq}$	$0.01036^{+0.00024}_{-0.00023}$	$\ell_{\rm eq}$	$143.3^{+2.2}_{-2.1}$
ℓ_*	$301.42^{+0.76}_{-0.78}$	n_s	0.996 ± 0.030
Ω_b	$0.0476^{+0.0013}_{-0.0014}$	$\Omega_b h^2$	$0.02291^{+0.00061}_{-0.00058}$
Ω_c	$0.248^{+0.013}_{-0.014}$	$\Omega_c h^2$	$0.1190^{+0.0032}_{-0.0029}$
Ω_Λ	$0.705^{+0.015}_{-0.014}$	Ω_m	$0.295^{+0.014}_{-0.015}$
$\Omega_m h^2$	$0.1419^{+0.0032}_{-0.0031}$	$r_{\rm hor}(z_{\rm dec})$	281.1 ± 1.6 Mpc
$r_s(z_d)$	$150.5^{+1.1}_{-1.2}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1855^{+0.0032}_{-0.0030}$
$r_s(z_d)/D_v(z=0.35)$	$0.1117^{+0.0017}_{-0.0016}$	$r_s(z_*)$	$144.20^{+0.94}_{-0.92}$ Mpc
R	$1.7382^{+0.0083}_{-0.0089}$	σ_8	$0.852^{+0.019}_{-0.020}$
$A_{\rm SZ}$	$0.96^{+1.04}_{-0.95}$	t_0	$13.65^{+0.11}_{-0.12}$ Gyr
τ	$0.098^{+0.017}_{-0.018}$	θ_*	$0.010423^{+0.000027}_{-0.000026}$
θ_*	0.5972 ± 0.0015 °	t_*	371694^{+2589}_{-2757} yr
$z_{\rm dec}$	$1088.2^{+1.1}_{-1.2}$	z_d	1021.8 ± 1.4
$z_{\rm eq}$	3399^{+78}_{-74}	$z_{\rm reion}$	12.1 ± 1.5
z_*	$1091.06^{+0.75}_{-0.81}$		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run

Data: wmap5+cmb

$10^2\Omega_b h^2$	$2.143^{+0.075}_{-0.074}$	$1-n_s$	$-0.059^{+0.049}_{-0.051}$
$1-n_s$	$-0.154 < 1-n_s < 0.038$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.500^{+0.033}_{-0.032}$
C_{220}	5757 ± 43	$d_A(z_{\rm eq})$	14120^{+214}_{-215} Mpc
$d_A(z_*)$	13953^{+217}_{-218} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.11) \times 10^{-9}$
$dn_s/d\ln k$	-0.053 ± 0.025	$dn_s/d\ln k$	$-0.1002 < dn_s/d\ln k < -0.0037$ (95% CL)
h	0.666 ± 0.036	H_0	66.6 ± 3.6 km/s/Mpc
$k_{\rm eq}$	$0.01037^{+0.00062}_{-0.00063}$	$\ell_{\rm eq}$	144.5 ± 6.6
ℓ_*	$302.37^{+0.85}_{-0.84}$	n_s	$1.059^{+0.051}_{-0.049}$
Ω_b	0.0486 ± 0.0043	$\Omega_b h^2$	$0.02143^{+0.00075}_{-0.00074}$
Ω_c	0.276 ± 0.049	$\Omega_c h^2$	0.1206 ± 0.0088
Ω_Λ	0.675 ± 0.053	Ω_m	0.325 ± 0.053
$\Omega_m h^2$	0.1420 ± 0.0086	$r_{\rm hor}(z_{\rm dec})$	280.8 ± 4.5 Mpc
$r_s(z_d)$	$151.9^{+2.2}_{-2.3}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	0.181 ± 0.010
$r_s(z_d)/D_v(z=0.35)$	0.1093 ± 0.0053	$r_s(z_*)$	145.0 ± 2.1 Mpc
R	$1.752^{+0.029}_{-0.028}$	σ_8	$0.818^{+0.037}_{-0.036}$
$A_{\rm SZ}$	$0.78^{+0.65}_{-0.77}$	t_0	13.90 ± 0.15 Gyr
τ	0.093 ± 0.019	θ_*	0.010390 ± 0.000029
θ_*	0.5953 ± 0.0017 °	t_*	370574^{+7725}_{-7765} yr
$z_{\rm dec}$	1090.0 ± 1.5	z_d	1018.4 ± 1.6
$z_{\rm eq}$	3401^{+205}_{-206}	$z_{\rm reion}$	$12.3^{+1.7}_{-1.8}$
z_*	1093.3 ± 1.6		

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run+tens

Data: wmap5

$10^2\Omega_b h^2$	$2.248^{+0.103}_{-0.099}$	$1-n_s$	$-0.087^{+0.073}_{-0.072}$
$1-n_s$	$-0.250 < 1-n_s < 0.044$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.469^{+0.039}_{-0.037}$
C_{220}	5764^{+43}_{-42}	$d_A(z_{\rm eq})$	14197^{+212}_{-218} Mpc
$d_A(z_*)$	14032^{+214}_{-221} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.17 \pm 0.18) \times 10^{-9}$
$dn_s/d\ln k$	-0.050 ± 0.034	$dn_s/d\ln k$	$-0.119 < dn_s/d\ln k < 0.015$ (95% CL)
h	$0.707^{+0.047}_{-0.049}$	H_0	$70.7^{+4.7}_{-4.9}$ km/s/Mpc
$k_{\rm eq}$	$0.00993^{+0.00069}_{-0.00068}$	$\ell_{\rm eq}$	$139.2^{+7.7}_{-7.6}$
ℓ_*	$301.85^{+0.91}_{-0.90}$	n_s	$1.087^{+0.072}_{-0.073}$
Ω_b	$0.0453^{+0.0048}_{-0.0046}$	$\Omega_b h^2$	$0.02248^{+0.00103}_{-0.00099}$
Ω_c	$0.232^{+0.052}_{-0.050}$	$\Omega_c h^2$	$0.1135^{+0.0101}_{-0.0099}$
Ω_Λ	$0.722^{+0.054}_{-0.057}$	Ω_m	$0.278^{+0.057}_{-0.054}$
$\Omega_m h^2$	$0.1360^{+0.0094}_{-0.0093}$	r	< 0.58 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$284.2^{+5.1}_{-5.2}$ Mpc	$r_s(z_d)$	152.6 ± 2.3 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.191 ± 0.013	$r_s(z_d)/D_v(z=0.35)$	$0.1148^{+0.0068}_{-0.0071}$
$r_s(z_*)$	$146.0^{+2.2}_{-2.3}$ Mpc	R	$1.724^{+0.036}_{-0.034}$
σ_8	0.800 ± 0.041	$A_{\rm SZ}$	$1.09^{+0.91}_{-0.68}$
t_0	$13.70^{+0.20}_{-0.21}$ Gyr	τ	$0.098^{+0.019}_{-0.020}$
θ_*	0.010408 ± 0.000031	θ_*	0.5963 ± 0.0018 °
t_*	376920^{+9039}_{-9225} yr	$z_{\rm dec}$	1088.4 ± 1.8
z_d	$1020.2^{+1.9}_{-1.8}$	$z_{\rm eq}$	3257^{+226}_{-223}
$z_{\rm reion}$	12.2 ± 1.7	z_*	1091.2 ± 2.0

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run+tens

Data: wmap5+acb

$10^2\Omega_b h^2$	$2.256^{+0.084}_{-0.083}$	$1-n_s$	$-0.083^{+0.062}_{-0.063}$
$1-n_s$	$-0.232 < 1-n_s < 0.039$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.472^{+0.032}_{-0.033}$
C_{220}	5767^{+42}_{-41}	$d_A(z_{\rm eq})$	14137^{+202}_{-199} Mpc
$d_A(z_*)$	13971^{+206}_{-201} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.19 \pm 0.18) \times 10^{-9}$
$dn_s/d\ln k$	-0.048 ± 0.027	$dn_s/d\ln k$	$-0.1058 < dn_s/d\ln k < 0.0065$ (95% CL)
h	$0.706^{+0.041}_{-0.040}$	H_0	$70.6^{+4.1}_{-4.0}$ km/s/Mpc
$k_{\rm eq}$	$0.01004^{+0.00061}_{-0.00062}$	$\ell_{\rm eq}$	$140.2^{+6.6}_{-6.7}$
ℓ_*	$301.53^{+0.82}_{-0.84}$	n_s	$1.083^{+0.063}_{-0.062}$
Ω_b	$0.0456^{+0.0041}_{-0.0040}$	$\Omega_b h^2$	$0.02256^{+0.00084}_{-0.00083}$
Ω_c	$0.235^{+0.043}_{-0.044}$	$\Omega_c h^2$	$0.1150^{+0.0088}_{-0.0089}$
Ω_Λ	$0.719^{+0.048}_{-0.047}$	Ω_m	$0.281^{+0.047}_{-0.048}$
$\Omega_m h^2$	$0.1376^{+0.0084}_{-0.0085}$	r	< 0.54 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$283.4^{+4.6}_{-4.5}$ Mpc	$r_s(z_d)$	$152.1^{+2.2}_{-2.1}$ Mpc
$r_s(z_d)/D_v(z=0.2)$	0.190 ± 0.011	$r_s(z_d)/D_v(z=0.35)$	0.1142 ± 0.0060
$r_s(z_*)$	$145.6^{+2.1}_{-2.0}$ Mpc	R	1.727 ± 0.030
σ_8	0.811 ± 0.039	$A_{\rm SZ}$	$1.13^{+0.86}_{-0.66}$
t_0	13.67 ± 0.17 Gyr	τ	$0.099^{+0.020}_{-0.019}$
θ_*	$0.010419^{+0.000029}_{-0.000028}$	θ_*	$0.5970^{+0.0017}_{-0.0016}$ ∘
t_*	375486^{+8017}_{-7913} yr	$z_{\rm dec}$	1088.4 ± 1.6
z_d	$1020.6^{+1.5}_{-1.6}$	$z_{\rm eq}$	3295^{+200}_{-202}
$z_{\rm reion}$	12.2 ± 1.7	z_*	$1091.2^{+1.6}_{-1.7}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run+tens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.228^{+0.070}_{-0.071}$	$1-n_s$	$-0.093^{+0.069}_{-0.068}$
$1-n_s$	$-0.256 < 1-n_s < 0.025$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.477 ± 0.011
C_{220}	5765^{+42}_{-43}	$d_A(z_{\rm eq})$	14151^{+142}_{-144} Mpc
$d_A(z_*)$	13985^{+144}_{-145} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.20 \pm 0.17) \times 10^{-9}$
$dn_s/d\ln k$	$-0.055^{+0.027}_{-0.028}$	$dn_s/d\ln k$	$-0.1186 < dn_s/d\ln k < -0.0051$ (95% CL)
h	$0.695^{+0.015}_{-0.014}$	H_0	$69.5^{+1.5}_{-1.4}$ km/s/Mpc
$k_{\rm eq}$	$0.01008^{+0.00028}_{-0.00027}$	$\ell_{\rm eq}$	140.9 ± 2.6
ℓ_*	$301.86^{+0.88}_{-0.87}$	n_s	$1.093^{+0.068}_{-0.069}$
Ω_b	0.0461 ± 0.0015	$\Omega_b h^2$	$0.02228^{+0.00070}_{-0.00071}$
Ω_c	0.240 ± 0.015	$\Omega_c h^2$	$0.1157^{+0.0035}_{-0.0036}$
Ω_Λ	$0.714^{+0.017}_{-0.016}$	Ω_m	$0.286^{+0.016}_{-0.017}$
$\Omega_m h^2$	$0.1380^{+0.0038}_{-0.0037}$	r	< 0.54 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$283.0^{+2.0}_{-1.9}$ Mpc	$r_s(z_d)$	152.2 ± 1.4 Mpc
$r_s(z_d)/D_v(z=0.2)$	$0.1877^{+0.0037}_{-0.0036}$	$r_s(z_d)/D_v(z=0.35)$	$0.1129^{+0.0020}_{-0.0019}$
$r_s(z_*)$	145.5 ± 1.2 Mpc	R	$1.7324^{+0.0099}_{-0.0101}$
σ_8	0.811 ± 0.027	$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$
t_0	$13.74^{+0.13}_{-0.14}$ Gyr	τ	0.099 ± 0.019
θ_*	0.010408 ± 0.000030	θ_*	0.5963 ± 0.0017 °
t_*	374675^{+3241}_{-3171} yr	$z_{\rm dec}$	1088.7 ± 1.2
z_d	1020.0 ± 1.7	$z_{\rm eq}$	3305^{+91}_{-90}
$z_{\rm reion}$	12.3 ± 1.7	z_*	1091.63 ± 0.93

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run+tens

Data: wmap5+bao+snall+lyapost

$10^2\Omega_b h^2$	$2.311^{+0.064}_{-0.065}$	$1-n_s$	$-0.018^{+0.035}_{-0.034}$
$1-n_s$	$-0.088 < 1-n_s < 0.048$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.482^{+0.010}_{-0.011}$
C_{220}	5759^{+46}_{-44}	$d_A(z_{\rm eq})$	13977^{+117}_{-109} Mpc
$d_A(z_*)$	13810^{+118}_{-111} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.37 \pm 0.12) \times 10^{-9}$
$dn_s/d\ln k$	$-0.017^{+0.014}_{-0.013}$	$dn_s/d\ln k$	$-0.0411 < dn_s/d\ln k < 0.0067$ (95% CL)
h	0.697 ± 0.014	H_0	69.7 ± 1.4 km/s/Mpc
$k_{\rm eq}$	0.01038 ± 0.00025	$\ell_{\rm eq}$	$143.4^{+2.6}_{-2.3}$
ℓ_*	$301.23^{+0.75}_{-0.74}$	n_s	$1.018^{+0.034}_{-0.035}$
Ω_b	0.0476 ± 0.0014	$\Omega_b h^2$	$0.02311^{+0.00064}_{-0.00065}$
Ω_c	$0.245^{+0.014}_{-0.015}$	$\Omega_c h^2$	$0.1191^{+0.0035}_{-0.0032}$
Ω_Λ	$0.707^{+0.016}_{-0.015}$	Ω_m	$0.293^{+0.015}_{-0.016}$
$\Omega_m h^2$	0.1422 ± 0.0034	r	< 0.28 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$280.9^{+1.6}_{-1.9}$ Mpc	$r_s(z_d)$	150.2 ± 1.1 Mpc
$r_s(z_d)/D_v(z=0.2)$	$0.1861^{+0.0034}_{-0.0032}$	$r_s(z_d)/D_v(z=0.35)$	$0.1120^{+0.0018}_{-0.0017}$
$r_s(z_*)$	$144.02^{+0.93}_{-0.90}$ Mpc	R	$1.7368^{+0.0090}_{-0.0095}$
σ_8	$0.857^{+0.019}_{-0.021}$	$A_{\rm SZ}$	$0.86^{+0.67}_{-0.86}$
t_0	$13.61^{+0.11}_{-0.12}$ Gyr	τ	$0.101^{+0.018}_{-0.017}$
θ_*	0.010429 ± 0.000026	θ_*	0.5975 ± 0.0015 °
t_*	371583^{+2831}_{-3065} yr	$z_{\rm dec}$	1088.0 ± 1.1
z_d	$1022.2^{+1.4}_{-1.5}$	$z_{\rm eq}$	3406^{+83}_{-81}
$z_{\rm reion}$	12.3 ± 1.4	z_*	$1090.81^{+0.87}_{-0.82}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+run+tens

Data: wmap5+cmb

$10^2\Omega_b h^2$	2.199 ± 0.089	$1 - n_s$	$-0.127^{+0.071}_{-0.075}$
$1 - n_s$	$-0.2890 < 1 - n_s < 0.0047$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.482 ± 0.036
C_{220}	5768^{+44}_{-45}	$d_A(z_{\rm eq})$	14150^{+219}_{-218} Mpc
$d_A(z_*)$	13984^{+222}_{-220} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.16 \pm 0.20) \times 10^{-9}$
$dn_s/d\ln k$	$-0.072^{+0.031}_{-0.030}$	$dn_s/d\ln k$	$-0.137 < dn_s/d\ln k < -0.011$ (95% CL)
h	0.691 ± 0.043	H_0	69.1 ± 4.3 km/s/Mpc
$k_{\rm eq}$	0.01013 ± 0.00066	$\ell_{\rm eq}$	141.5 ± 7.2
ℓ_*	$301.84^{+0.90}_{-0.92}$	n_s	$1.127^{+0.075}_{-0.071}$
Ω_b	0.0464 ± 0.0045	$\Omega_b h^2$	0.02199 ± 0.00089
Ω_c	$0.250^{+0.050}_{-0.051}$	$\Omega_c h^2$	$0.1167^{+0.0096}_{-0.0095}$
Ω_Λ	$0.704^{+0.055}_{-0.054}$	Ω_m	$0.296^{+0.054}_{-0.055}$
$\Omega_m h^2$	$0.1387^{+0.0091}_{-0.0090}$	r	< 0.64 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	282.6 ± 4.9 Mpc	$r_s(z_d)$	152.3 ± 2.3 Mpc
$r_s(z_d)/D_v(z = 0.2)$	0.187 ± 0.012	$r_s(z_d)/D_v(z = 0.35)$	$0.1126^{+0.0063}_{-0.0062}$
$r_s(z_*)$	145.5 ± 2.2 Mpc	R	1.735 ± 0.032
σ_8	$0.807^{+0.040}_{-0.041}$	$A_{\rm SZ}$	$0.82^{+0.65}_{-0.82}$
t_0	13.77 ± 0.19 Gyr	τ	$0.102^{+0.020}_{-0.021}$
θ_*	$0.010408^{+0.000032}_{-0.000031}$	θ_*	0.5964 ± 0.0018 °
t_*	373985^{+8531}_{-8621} yr	$z_{\rm dec}$	$1089.1^{+1.7}_{-1.6}$
z_d	$1019.4^{+1.8}_{-1.7}$	$z_{\rm eq}$	3323^{+218}_{-216}
$z_{\rm reion}$	12.7 ± 1.8	z_*	$1092.1^{+1.8}_{-1.9}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+tens

Data: wmap5

$10^2\Omega_b h^2$	$2.341^{+0.079}_{-0.080}$	$1-n_s$	0.014 ± 0.022
$1-n_s$	$-0.036 < 1-n_s < 0.053$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.435 ± 0.026
C_{220}	5761 ± 44	$d_A(z_{\rm eq})$	14342^{+193}_{-190} Mpc
$d_A(z_*)$	14179^{+195}_{-192} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.23 \pm 0.16) \times 10^{-9}$
h	0.751 ± 0.035	H_0	75.1 ± 3.5 km/s/Mpc
$k_{\rm eq}$	$0.00936^{+0.00049}_{-0.00051}$	$\ell_{\rm eq}$	$132.6^{+5.3}_{-5.5}$
ℓ_*	$301.67^{+0.90}_{-0.89}$	n_s	0.986 ± 0.022
Ω_b	0.0417 ± 0.0032	$\Omega_b h^2$	$0.02341^{+0.00079}_{-0.00080}$
Ω_c	$0.188^{+0.029}_{-0.030}$	$\Omega_c h^2$	$0.1048^{+0.0069}_{-0.0072}$
Ω_Λ	$0.770^{+0.033}_{-0.032}$	Ω_m	$0.230^{+0.032}_{-0.033}$
$\Omega_m h^2$	$0.1282^{+0.0067}_{-0.0070}$	r	< 0.43 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$288.6^{+4.0}_{-3.8}$ Mpc	$r_s(z_d)$	$154.0^{+2.1}_{-2.0}$ Mpc
$r_s(z_d)/D_v(z=0.2)$	0.203 ± 0.010	$r_s(z_d)/D_v(z=0.35)$	$0.1210^{+0.0055}_{-0.0054}$
$r_s(z_*)$	147.7 ± 1.9 Mpc	R	$1.692^{+0.025}_{-0.026}$
σ_8	$0.777^{+0.040}_{-0.041}$	$A_{\rm SZ}$	$1.05^{+0.95}_{-0.69}$
t_0	13.54 ± 0.17 Gyr	τ	$0.090^{+0.018}_{-0.017}$
θ_*	0.010414 ± 0.000031	θ_*	$0.5967^{+0.0017}_{-0.0018}$ ∘
t_*	384856^{+6902}_{-6624} yr	$z_{\rm dec}$	1086.8 ± 1.3
z_d	1021.5 ± 1.7	$z_{\rm eq}$	3071^{+160}_{-167}
$z_{\rm reion}$	10.9 ± 1.4	z_*	1089.2 ± 1.3

WMAP Cosmological Parameters

Model: lcdm+sz+lens+tens

Data: wmap5+acb

$10^2\Omega_b h^2$	$2.342^{+0.070}_{-0.072}$	$1-n_s$	$0.015^{+0.020}_{-0.019}$
$1-n_s$	$-0.034 < 1-n_s < 0.051$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.438 ± 0.025
C_{220}	5762^{+43}_{-42}	$d_A(z_{\rm eq})$	14301^{+170}_{-176} Mpc
$d_A(z_*)$	14138^{+173}_{-179} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.25^{+0.16}_{-0.15}) \times 10^{-9}$
h	$0.750^{+0.033}_{-0.034}$	H_0	$75.0^{+3.3}_{-3.4}$ km/s/Mpc
$k_{\rm eq}$	$0.00944^{+0.00048}_{-0.00047}$	$\ell_{\rm eq}$	$133.4^{+5.2}_{-5.1}$
ℓ_*	$301.42^{+0.77}_{-0.76}$	n_s	$0.985^{+0.019}_{-0.020}$
Ω_b	0.0419 ± 0.0031	$\Omega_b h^2$	$0.02342^{+0.00070}_{-0.00072}$
Ω_c	0.191 ± 0.029	$\Omega_c h^2$	$0.1059^{+0.0068}_{-0.0067}$
Ω_Λ	0.767 ± 0.032	Ω_m	0.233 ± 0.032
$\Omega_m h^2$	0.1293 ± 0.0065	r	< 0.40 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	288.0 ± 3.7 Mpc	$r_s(z_d)$	153.7 ± 1.9 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.2022 ± 0.0097	$r_s(z_d)/D_v(z=0.35)$	0.1206 ± 0.0052
$r_s(z_*)$	$147.4^{+1.7}_{-1.8}$ Mpc	R	1.695 ± 0.024
σ_8	0.784 ± 0.037	$A_{\rm SZ}$	$1.11^{+0.89}_{-0.67}$
t_0	13.52 ± 0.15 Gyr	τ	0.091 ± 0.017
θ_*	0.010423 ± 0.000026	θ_*	0.5972 ± 0.0015 °
t_*	383791^{+6376}_{-6458} yr	$z_{\rm dec}$	1087.0 ± 1.3
z_d	$1021.6^{+1.6}_{-1.5}$	$z_{\rm eq}$	3097^{+156}_{-155}
$z_{\rm reion}$	11.1 ± 1.4	z_*	1089.3 ± 1.2

WMAP Cosmological Parameters

Model: lcdm+sz+lens+tens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.290^{+0.063}_{-0.062}$	$1-n_s$	0.032 ± 0.015
$1-n_s$	$0.0014 < 1-n_s < 0.0608$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.470^{+0.011}_{-0.010}$
C_{220}	5747 ± 41	$d_A(z_{\rm eq})$	14158^{+141}_{-143} Mpc
$d_A(z_*)$	13992^{+142}_{-144} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.40 \pm 0.10) \times 10^{-9}$
h	0.705 ± 0.014	H_0	70.5 ± 1.4 km/s/Mpc
$k_{\rm eq}$	$0.00999^{+0.00028}_{-0.00027}$	$\ell_{\rm eq}$	$139.7^{+2.6}_{-2.5}$
ℓ_*	302.01 ± 0.84	n_s	0.968 ± 0.015
Ω_b	0.0460 ± 0.0015	$\Omega_b h^2$	$0.02290^{+0.00063}_{-0.00062}$
Ω_c	0.229 ± 0.014	$\Omega_c h^2$	0.1139 ± 0.0035
Ω_Λ	0.725 ± 0.015	Ω_m	0.275 ± 0.015
$\Omega_m h^2$	$0.1368^{+0.0038}_{-0.0037}$	r	< 0.20 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$283.7^{+1.9}_{-2.0}$ Mpc	$r_s(z_d)$	151.9 ± 1.4 Mpc
$r_s(z_d)/D_v(z=0.2)$	$0.1897^{+0.0035}_{-0.0037}$	$r_s(z_d)/D_v(z=0.35)$	0.1139 ± 0.0019
$r_s(z_*)$	145.5 ± 1.2 Mpc	R	$1.7259^{+0.0097}_{-0.0095}$
σ_8	0.818 ± 0.026	$A_{\rm SZ}$	$0.99^{+1.01}_{-0.99}$
t_0	$13.69^{+0.13}_{-0.12}$ Gyr	τ	0.084 ± 0.016
θ_*	0.010403 ± 0.000029	θ_*	0.5960 ± 0.0017 °
t_*	376244^{+3156}_{-3242} yr	$z_{\rm dec}$	1088.0 ± 1.1
z_d	1021.3 ± 1.6	$z_{\rm eq}$	3277^{+91}_{-89}
$z_{\rm reion}$	10.8 ± 1.4	z_*	$1090.65^{+0.77}_{-0.78}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+tens

Data: wmap5+bao+snall+lyapost

$10^2\Omega_b h^2$	$2.325^{+0.054}_{-0.055}$	$1-n_s$	0.024 ± 0.013
$1-n_s$	$-0.0038 < 1-n_s < 0.0490$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.4781^{+0.0092}_{-0.0095}$
C_{220}	5754^{+42}_{-41}	$d_A(z_{\rm eq})$	14007^{+105}_{-106} Mpc
$d_A(z_*)$	13840^{+106}_{-108} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.43 \pm 0.10) \times 10^{-9}$
h	0.701 ± 0.013	H_0	70.1 ± 1.3 km/s/Mpc
$k_{\rm eq}$	$0.01030^{+0.00022}_{-0.00021}$	$\ell_{\rm eq}$	$142.5^{+2.0}_{-2.1}$
ℓ_*	301.39 ± 0.75	n_s	0.976 ± 0.013
Ω_b	$0.0473^{+0.0013}_{-0.0014}$	$\Omega_b h^2$	$0.02325^{+0.00054}_{-0.00055}$
Ω_c	0.240 ± 0.013	$\Omega_c h^2$	$0.1178^{+0.0028}_{-0.0029}$
Ω_Λ	0.713 ± 0.014	Ω_m	0.287 ± 0.014
$\Omega_m h^2$	$0.1410^{+0.0030}_{-0.0029}$	r	< 0.20 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	281.6 ± 1.5 Mpc	$r_s(z_d)$	150.4 ± 1.0 Mpc
$r_s(z_d)/D_v(z=0.2)$	0.1872 ± 0.0032	$r_s(z_d)/D_v(z=0.35)$	0.1126 ± 0.0017
$r_s(z_*)$	$144.26^{+0.87}_{-0.89}$ Mpc	R	$1.7333^{+0.0084}_{-0.0086}$
σ_8	$0.852^{+0.020}_{-0.019}$	$A_{\rm SZ}$	$0.92^{+0.69}_{-0.92}$
t_0	13.61 ± 0.11 Gyr	τ	0.094 ± 0.016
θ_*	0.010424 ± 0.000026	θ_*	0.5972 ± 0.0015 °
t_*	372752^{+2597}_{-2474} yr	$z_{\rm dec}$	1087.9 ± 1.1
z_d	$1022.5^{+1.2}_{-1.3}$	$z_{\rm eq}$	3377^{+71}_{-70}
$z_{\rm reion}$	$11.6^{+1.4}_{-1.3}$	z_*	$1090.52^{+0.72}_{-0.74}$

WMAP Cosmological Parameters

Model: lcdm+sz+lens+tens

Data: wmap5+cmb

$10^2\Omega_b h^2$	$2.307^{+0.072}_{-0.075}$	$1-n_s$	0.021 ± 0.020
$1-n_s$	$-0.024 < 1-n_s < 0.057$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.431 ± 0.026
C_{220}	5758^{+44}_{-43}	$d_A(z_{\rm eq})$	14418^{+193}_{-187} Mpc
$d_A(z_*)$	14256^{+196}_{-190} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.26 \pm 0.15) \times 10^{-9}$
h	0.753 ± 0.035	H_0	75.3 ± 3.5 km/s/Mpc
$k_{\rm eq}$	$0.00922^{+0.00049}_{-0.00050}$	$\ell_{\rm eq}$	131.3 ± 5.4
ℓ_*	$301.81^{+0.85}_{-0.88}$	n_s	0.979 ± 0.020
Ω_b	$0.0408^{+0.0031}_{-0.0032}$	$\Omega_b h^2$	$0.02307^{+0.00072}_{-0.00075}$
Ω_c	$0.184^{+0.028}_{-0.029}$	$\Omega_c h^2$	$0.1032^{+0.0069}_{-0.0070}$
Ω_Λ	0.775 ± 0.032	Ω_m	0.225 ± 0.032
$\Omega_m h^2$	$0.1262^{+0.0067}_{-0.0068}$	r	< 0.36 (95% CL)
$r_{\rm hor}(z_{\rm dec})$	289.6 ± 3.9 Mpc	$r_s(z_d)$	$154.9^{+2.1}_{-2.0}$ Mpc
$r_s(z_d)/D_v(z=0.2)$	0.205 ± 0.010	$r_s(z_d)/D_v(z=0.35)$	$0.1219^{+0.0054}_{-0.0055}$
$r_s(z_*)$	148.4 ± 1.9 Mpc	R	1.688 ± 0.025
σ_8	0.765 ± 0.039	$A_{\rm SZ}$	$0.68^{+0.60}_{-0.68}$
t_0	$13.58^{+0.17}_{-0.16}$ Gyr	τ	0.090 ± 0.017
θ_*	$0.010409^{+0.000030}_{-0.000029}$	θ_*	0.5964 ± 0.0017 °
t_*	386512^{+6873}_{-6800} yr	$z_{\rm dec}$	1087.1 ± 1.3
z_d	1020.6 ± 1.6	$z_{\rm eq}$	3024^{+161}_{-163}
$z_{\rm reion}$	11.0 ± 1.4	z_*	1089.5 ± 1.2

WMAP Cosmological Parameters

Model: lcdm+sz+lens+xe

Data: wmap5

$10^2\Omega_b h^2$	2.265 ± 0.062	$1 - n_s$	0.040 ± 0.014
$1 - n_s$	$0.010 < 1 - n_s < 0.068$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.461 ± 0.022
C_{220}	5757 ± 41	$d_A(z_{\rm eq})$	14268^{+180}_{-181} Mpc
$d_A(z_*)$	14104^{+181}_{-183} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42 \pm 0.12) \times 10^{-9}$
h	$0.715^{+0.028}_{-0.027}$	H_0	$71.5^{+2.8}_{-2.7}$ km/s/Mpc
$k_{\rm eq}$	$0.00973^{+0.00045}_{-0.00047}$	$\ell_{\rm eq}$	$137.2^{+4.7}_{-4.9}$
ℓ_*	$302.16^{+0.80}_{-0.81}$	n_s	0.960 ± 0.014
Ω_b	$0.0445^{+0.0030}_{-0.0031}$	$\Omega_b h^2$	0.02265 ± 0.00062
Ω_c	$0.218^{+0.028}_{-0.027}$	$\Omega_c h^2$	$0.1107^{+0.0061}_{-0.0064}$
Ω_Λ	$0.737^{+0.030}_{-0.031}$	Ω_m	$0.263^{+0.031}_{-0.030}$
$\Omega_m h^2$	$0.1333^{+0.0061}_{-0.0064}$	$r_{\rm hor}(z_{\rm dec})$	$285.6^{+3.5}_{-3.3}$ Mpc
$r_s(z_d)$	153.2 ± 1.9 Mpc	$r_s(z_d)/D_v(z = 0.2)$	$0.1934^{+0.0080}_{-0.0079}$
$r_s(z_d)/D_v(z = 0.35)$	0.1159 ± 0.0042	$r_s(z_*)$	146.6 ± 1.8 Mpc
R	$1.717^{+0.021}_{-0.020}$	σ_8	$0.796^{+0.035}_{-0.037}$
$A_{\rm SZ}$	$1.07^{+0.93}_{-0.71}$	t_0	13.71 ± 0.13 Gyr
τ	0.083 ± 0.017	θ_*	$0.010397^{+0.000028}_{-0.000027}$
θ_*	0.5957 ± 0.0016 °	t_*	379370^{+5992}_{-5716} yr
x_e	$0.50^{+0.32}_{-0.28}$	$z_{\rm dec}$	1088.0 ± 1.2
z_d	1020.4 ± 1.5	$z_{\rm eq}$	3193^{+147}_{-154}
$z_{\rm reion}$	$15.6^{+5.5}_{-4.6}$	z_*	$1090.67^{+0.97}_{-0.94}$

WMAP Cosmological Parameters

Model: olcdm+sz+lens

Data: wmap5

$10^2\Omega_b h^2$	$2.239^{+0.060}_{-0.059}$	$1-n_s$	0.046 ± 0.014
$1-n_s$	$0.016 < 1-n_s < 0.073$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.63^{+0.13}_{-0.12}$
C_{220}	5760^{+45}_{-46}	$d_A(z_{\rm eq})$	14246^{+186}_{-190} Mpc
$d_A(z_*)$	14118^{+193}_{-194} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.46 \pm 0.11) \times 10^{-9}$
h	0.50 ± 0.14	H_0	50 ± 14 km/s/Mpc
$k_{\rm eq}$	0.00976 ± 0.00045	$\ell_{\rm eq}$	137.8 ± 4.6
ℓ_*	$302.41^{+0.87}_{-0.86}$	n_s	0.954 ± 0.014
Ω_b	$0.106^{+0.060}_{-0.051}$	$\Omega_b h^2$	$0.02239^{+0.00060}_{-0.00059}$
Ω_c	$0.53^{+0.32}_{-0.26}$	$\Omega_c h^2$	0.1113 ± 0.0061
Ω_k	$-0.099^{+0.085}_{-0.100}$	Ω_k	$-0.2851 < \Omega_k < 0.0099$ (95% CL)
Ω_Λ	< 0.76 (95% CL)	Ω_m	$0.63^{+0.38}_{-0.31}$
$\Omega_m h^2$	$0.1337^{+0.0062}_{-0.0061}$	$\Omega_{\rm tot}$	$1.099^{+0.100}_{-0.085}$
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.29$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	285.3 ± 3.3 Mpc
$r_s(z_d)$	153.3 ± 2.0 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.143^{+0.032}_{-0.033}$
$r_s(z_d)/D_v(z=0.35)$	0.088 ± 0.018	$r_s(z_*)$	$146.7^{+1.8}_{-1.7}$ Mpc
R	1.721 ± 0.019	σ_8	$0.750^{+0.049}_{-0.050}$
$A_{\rm SZ}$	$1.03^{+0.96}_{-0.66}$	t_0	16.3 ± 1.9 Gyr
τ	0.083 ± 0.017	θ_*	0.010389 ± 0.000030
θ_*	0.5952 ± 0.0017 °	t_*	378779 ± 5657 yr
$z_{\rm dec}$	1088.3 ± 1.1	z_d	1019.9 ± 1.6
$z_{\rm eq}$	3203^{+148}_{-147}	$z_{\rm reion}$	$10.6^{+1.6}_{-1.5}$
z_*	$1091.07^{+0.89}_{-0.88}$		

WMAP Cosmological Parameters

Model: olcdm+sz+lens

Data: wmap5+bao

$10^2\Omega_b h^2$	2.272 ± 0.060	$1 - n_s$	0.036 ± 0.014
$1 - n_s$	$0.0088 < 1 - n_s < 0.0638$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	$0.468^{+0.012}_{-0.013}$
C_{220}	5761 ± 43	$d_A(z_{\rm eq})$	14309^{+179}_{-184} Mpc
$d_A(z_*)$	14150^{+183}_{-189} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.40 \pm 0.11) \times 10^{-9}$
h	$0.697^{+0.022}_{-0.021}$	H_0	$69.7^{+2.2}_{-2.1}$ km/s/Mpc
$k_{\rm eq}$	$0.00959^{+0.00044}_{-0.00043}$	$\ell_{\rm eq}$	135.6 ± 4.5
ℓ_*	302.11 ± 0.84	n_s	0.964 ± 0.014
Ω_b	0.0469 ± 0.0028	$\Omega_b h^2$	0.02272 ± 0.00060
Ω_c	0.224 ± 0.016	$\Omega_c h^2$	$0.1086^{+0.0059}_{-0.0058}$
Ω_k	$-0.0050^{+0.0063}_{-0.0061}$	Ω_k	$-0.0170 < \Omega_k < 0.0068$ (95% CL)
Ω_Λ	$0.734^{+0.017}_{-0.018}$	Ω_m	$0.271^{+0.017}_{-0.018}$
$\Omega_m h^2$	$0.1313^{+0.0060}_{-0.0059}$	$\Omega_{\rm tot}$	$1.0050^{+0.0061}_{-0.0063}$
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.02$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.7^{+3.2}_{-3.3}$ Mpc
$r_s(z_d)$	153.7 ± 2.0 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1893 ± 0.0049
$r_s(z_d)/D_v(z = 0.35)$	0.1135 ± 0.0027	$r_s(z_*)$	$147.1^{+1.7}_{-1.8}$ Mpc
R	1.710 ± 0.019	σ_8	$0.789^{+0.037}_{-0.036}$
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.68}$	t_0	$13.95^{+0.31}_{-0.33}$ Gyr
τ	0.088 ± 0.017	θ_*	0.010399 ± 0.000029
θ_*	0.5958 ± 0.0017 °	t_*	381260^{+5489}_{-5590} yr
$z_{\rm dec}$	1087.8 ± 1.1	z_d	1020.4 ± 1.6
$z_{\rm eq}$	3146^{+145}_{-141}	$z_{\rm reion}$	11.0 ± 1.5
z_*	$1090.41^{+0.85}_{-0.86}$		

WMAP Cosmological Parameters

Model: olcdm+sz+lens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.267^{+0.056}_{-0.057}$	$1-n_s$	0.038 ± 0.013
$1-n_s$	$0.012 < 1-n_s < 0.064$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.475 ± 0.011
C_{220}	5756^{+41}_{-43}	$d_A(z_{\rm eq})$	14262^{+175}_{-174} Mpc
$d_A(z_*)$	14102^{+180}_{-181} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42 \pm 0.10) \times 10^{-9}$
h	0.688 ± 0.020	H_0	68.8 ± 2.0 km/s/Mpc
$k_{\rm eq}$	0.00973 ± 0.00042	$\ell_{\rm eq}$	$137.2^{+4.2}_{-4.4}$
ℓ_*	302.14 ± 0.82	n_s	0.962 ± 0.013
Ω_b	0.0480 ± 0.0027	$\Omega_b h^2$	$0.02267^{+0.00056}_{-0.00057}$
Ω_c	0.234 ± 0.014	$\Omega_c h^2$	$0.1106^{+0.0056}_{-0.0057}$
Ω_k	-0.0052 ± 0.0064	Ω_k	$-0.0181 < \Omega_k < 0.0071$ (95% CL)
Ω_Λ	0.723 ± 0.015	Ω_m	$0.282^{+0.015}_{-0.016}$
$\Omega_m h^2$	$0.1333^{+0.0057}_{-0.0058}$	$\Omega_{\rm tot}$	1.0052 ± 0.0064
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.02$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$285.6^{+3.2}_{-3.1}$ Mpc
$r_s(z_d)$	153.2 ± 1.9 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.1867 ± 0.0044
$r_s(z_d)/D_v(z=0.35)$	0.1122 ± 0.0024	$r_s(z_*)$	146.6 ± 1.7 Mpc
R	1.716 ± 0.018	σ_8	0.798 ± 0.034
$A_{\rm SZ}$	$1.03^{+0.96}_{-0.69}$	t_0	13.97 ± 0.32 Gyr
τ	$0.087^{+0.016}_{-0.017}$	θ_*	0.010398 ± 0.000028
θ_*	0.5958 ± 0.0016 °	t_*	379401^{+5384}_{-5198} yr
$z_{\rm dec}$	1088.0 ± 1.1	z_d	1020.5 ± 1.5
$z_{\rm eq}$	3192^{+137}_{-139}	$z_{\rm reion}$	$11.0^{+1.4}_{-1.5}$
z_*	$1090.64^{+0.80}_{-0.79}$		

WMAP Cosmological Parameters

Model: olcdm+sz+lens

Data: wmap5+hst

$10^2\Omega_b h^2$	$2.267^{+0.060}_{-0.059}$	$1-n_s$	0.039 ± 0.014
$1-n_s$	$0.0095 < 1-n_s < 0.0657$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.485^{+0.042}_{-0.044}$
C_{220}	5758 ± 42	$d_A(z_{\rm eq})$	14276^{+181}_{-188} Mpc
$d_A(z_*)$	14119^{+187}_{-192} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42 \pm 0.11) \times 10^{-9}$
h	$0.676^{+0.070}_{-0.068}$	H_0	$67.6^{+7.0}_{-6.8}$ km/s/Mpc
$k_{\rm eq}$	0.00969 ± 0.00045	$\ell_{\rm eq}$	136.7 ± 4.7
ℓ_*	$302.13^{+0.85}_{-0.82}$	n_s	0.961 ± 0.014
Ω_b	$0.0513^{+0.0095}_{-0.0103}$	$\Omega_b h^2$	$0.02267^{+0.00060}_{-0.00059}$
Ω_c	$0.250^{+0.052}_{-0.056}$	$\Omega_c h^2$	0.1100 ± 0.0061
Ω_k	$-0.011^{+0.015}_{-0.014}$	Ω_k	$-0.052 < \Omega_k < 0.013$ (95% CL)
Ω_Λ	$0.710^{+0.053}_{-0.051}$	Ω_m	$0.301^{+0.062}_{-0.066}$
$\Omega_m h^2$	0.1326 ± 0.0062	$\Omega_{\rm tot}$	$1.011^{+0.014}_{-0.015}$
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.05$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.0^{+3.4}_{-3.3}$ Mpc
$r_s(z_d)$	$153.4^{+1.9}_{-2.0}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	0.184 ± 0.017
$r_s(z_d)/D_v(z=0.35)$	$0.1107^{+0.0096}_{-0.0092}$	$r_s(z_*)$	146.8 ± 1.8 Mpc
R	$1.714^{+0.019}_{-0.020}$	σ_8	0.790 ± 0.036
$A_{\rm SZ}$	$1.07^{+0.93}_{-0.67}$	t_0	$14.15^{+0.69}_{-0.71}$ Gyr
τ	0.087 ± 0.017	θ_*	$0.010398^{+0.000028}_{-0.000029}$
θ_*	$0.5958^{+0.0016}_{-0.0017}$ °	t_*	380011^{+5757}_{-5717} yr
$z_{\rm dec}$	$1087.9^{+1.1}_{-1.2}$	z_d	$1020.4^{+1.6}_{-1.5}$
$z_{\rm eq}$	3177 ± 149	$z_{\rm reion}$	$10.9^{+1.5}_{-1.4}$
z_*	$1090.59^{+0.89}_{-0.91}$		

WMAP Cosmological Parameters

Model: olcdm+sz+lens

Data: wmap5+snall

$10^2\Omega_b h^2$	$2.263^{+0.057}_{-0.058}$	$1-n_s$	$0.040^{+0.013}_{-0.014}$
$1-n_s$	$0.014 < 1-n_s < 0.066$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.495^{+0.019}_{-0.018}$
C_{220}	5760 ± 43	$d_A(z_{\rm eq})$	14284^{+180}_{-179} Mpc
$d_A(z_*)$	14131^{+186}_{-185} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42 \pm 0.10) \times 10^{-9}$
h	0.653 ± 0.033	H_0	65.3 ± 3.3 km/s/Mpc
$k_{\rm eq}$	$0.00967^{+0.00042}_{-0.00043}$	$\ell_{\rm eq}$	$136.5^{+4.3}_{-4.4}$
ℓ_*	$302.20^{+0.86}_{-0.85}$	n_s	$0.960^{+0.014}_{-0.013}$
Ω_b	$0.0535^{+0.0051}_{-0.0052}$	$\Omega_b h^2$	$0.02263^{+0.00057}_{-0.00058}$
Ω_c	0.259 ± 0.023	$\Omega_c h^2$	$0.1097^{+0.0056}_{-0.0057}$
Ω_k	$-0.0138^{+0.0099}_{-0.0098}$	Ω_k	$-0.0344 < \Omega_k < 0.0043$ (95% CL)
Ω_Λ	0.701 ± 0.022	Ω_m	0.312 ± 0.028
$\Omega_m h^2$	0.1324 ± 0.0058	$\Omega_{\rm tot}$	$1.0138^{+0.0098}_{-0.0099}$
$\Omega_{\rm tot}$	$1.00 < \Omega_{\rm tot} < 1.03$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.1^{+3.2}_{-3.1}$ Mpc
$r_s(z_d)$	153.5 ± 1.9 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.1783 ± 0.0073
$r_s(z_d)/D_v(z=0.35)$	0.1075 ± 0.0041	$r_s(z_*)$	146.9 ± 1.7 Mpc
R	1.714 ± 0.018	σ_8	0.788 ± 0.036
$A_{\rm SZ}$	$1.09^{+0.91}_{-0.69}$	t_0	14.37 ± 0.46 Gyr
τ	0.087 ± 0.017	θ_*	$0.010396^{+0.000029}_{-0.000030}$
θ_*	0.5956 ± 0.0017 °	t_*	380220^{+5425}_{-5282} yr
$z_{\rm dec}$	1088.0 ± 1.1	z_d	1020.3 ± 1.6
$z_{\rm eq}$	3170^{+138}_{-140}	$z_{\rm reion}$	10.9 ± 1.4
z_*	$1090.62^{+0.81}_{-0.80}$		

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5

$10^2\Omega_b h^2$	2.234 ± 0.060	$1 - n_s$	$0.047^{+0.014}_{-0.013}$
$1 - n_s$	$0.020 < 1 - n_s < 0.075$ (95% CL)	$1 + w$	< 1.0 (95% CL)
$A_{\rm BAO}(z = 0.35)$	0.66 ± 0.12	C_{220}	5762^{+40}_{-39}
$d_A(z_{\rm eq})$	14248^{+177}_{-176} Mpc	$d_A(z_*)$	14126^{+187}_{-184} Mpc
$\Delta^2_{\mathcal{R}}$	$(2.46 \pm 0.12) \times 10^{-9}$	h	$0.47^{+0.14}_{-0.12}$
H_0	47^{+14}_{-12} km/s/Mpc	$k_{\rm eq}$	$0.00975^{+0.00044}_{-0.00045}$
$\ell_{\rm eq}$	$137.7^{+4.6}_{-4.8}$	ℓ_*	$302.45^{+0.84}_{-0.80}$
n_s	$0.953^{+0.013}_{-0.014}$	Ω_b	$0.120^{+0.062}_{-0.060}$
$\Omega_b h^2$	0.02234 ± 0.00060	Ω_c	$0.60^{+0.32}_{-0.30}$
$\Omega_c h^2$	$0.1112^{+0.0060}_{-0.0063}$	Ω_k	$-0.122^{+0.094}_{-0.106}$
Ω_k	$-0.2940 < \Omega_k < 0.0012$ (95% CL)	Ω_Λ	< 0.76 (95% CL)
Ω_m	$0.72^{+0.38}_{-0.36}$	$\Omega_m h^2$	$0.1335^{+0.0060}_{-0.0061}$
$\Omega_{\rm tot}$	$1.122^{+0.106}_{-0.094}$	$\Omega_{\rm tot}$	$1.00 < \Omega_{\rm tot} < 1.29$ (95% CL)
$r_{\rm hor}(z_{\rm dec})$	$285.4^{+3.4}_{-3.3}$ Mpc	$r_s(z_d)$	$153.4^{+1.9}_{-2.0}$ Mpc
$r_s(z_d)/D_v(z = 0.2)$	$0.134^{+0.030}_{-0.027}$	$r_s(z_d)/D_v(z = 0.35)$	$0.083^{+0.016}_{-0.014}$
$r_s(z_*)$	$146.7^{+1.7}_{-1.8}$ Mpc	R	$1.721^{+0.019}_{-0.020}$
σ_8	$0.742^{+0.096}_{-0.086}$	$A_{\rm SZ}$	$1.02^{+0.64}_{-0.66}$
t_0	$16.9^{+1.8}_{-1.9}$ Gyr	τ	0.082 ± 0.016
θ_*	$0.010387^{+0.000027}_{-0.000029}$	θ_*	$0.5951^{+0.0016}_{-0.0017}$ ∘
t_*	378886^{+5812}_{-5607} yr	w	< 0.0 (95% CL)
$z_{\rm dec}$	$1088.3^{+1.2}_{-1.1}$	z_d	1019.8 ± 1.5
$z_{\rm eq}$	3198^{+145}_{-146}	$z_{\rm reion}$	$10.5^{+1.5}_{-1.4}$
z_*	1091.13 ± 0.93		

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+bao

$10^2\Omega_b h^2$	2.243 ± 0.059	$1 - n_s$	0.046 ± 0.013
$1 - n_s$	$0.019 < 1 - n_s < 0.072$ (95% CL)	$1 + w$	-0.84 ± 0.41
$1 + w$	$-1.449 < 1 + w < -0.064$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.483 ± 0.014
C_{220}	5756 ± 43	$d_A(z_{\rm eq})$	14256^{+179}_{-185} Mpc
$d_A(z_*)$	14109^{+184}_{-189} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.47 \pm 0.11) \times 10^{-9}$
h	$0.817^{+0.065}_{-0.064}$	H_0	$81.7^{+6.5}_{-6.4}$ km/s/Mpc
$k_{\rm eq}$	$0.00978^{+0.00044}_{-0.00043}$	$\ell_{\rm eq}$	$137.8^{+4.5}_{-4.4}$
ℓ_*	$302.35^{+0.85}_{-0.86}$	n_s	0.954 ± 0.013
Ω_b	0.0342 ± 0.0054	$\Omega_b h^2$	0.02243 ± 0.00059
Ω_c	0.169 ± 0.026	$\Omega_c h^2$	$0.1115^{+0.0059}_{-0.0058}$
Ω_k	$-0.0135^{+0.0044}_{-0.0045}$	Ω_k	$-0.0223 < \Omega_k < -0.0029$ (95% CL)
Ω_Λ	$0.810^{+0.032}_{-0.033}$	Ω_m	0.204 ± 0.031
$\Omega_m h^2$	$0.1339^{+0.0060}_{-0.0059}$	$\Omega_{\rm tot}$	$1.0135^{+0.0045}_{-0.0044}$
$\Omega_{\rm tot}$	$1.0 < \Omega_{\rm tot} < 1.0$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	285.2 ± 3.2 Mpc
$r_s(z_d)$	$153.2^{+1.9}_{-2.0}$ Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1952 ± 0.0056
$r_s(z_d)/D_v(z = 0.35)$	0.1107 ± 0.0028	$r_s(z_*)$	$146.6^{+1.7}_{-1.8}$ Mpc
R	1.721 ± 0.019	σ_8	$0.986^{+0.089}_{-0.092}$
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.70}$	t_0	$14.59^{+0.40}_{-0.39}$ Gyr
τ	0.085 ± 0.016	θ_*	0.010391 ± 0.000029
θ_*	0.5953 ± 0.0017 °	t_*	378646^{+5417}_{-5483} yr
w	-1.84 ± 0.41	$z_{\rm dec}$	1088.3 ± 1.1
z_d	1020.0 ± 1.6	$z_{\rm eq}$	3207^{+145}_{-141}
$z_{\rm reion}$	10.8 ± 1.4	z_*	$1091.04^{+0.87}_{-0.86}$

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	$2.268^{+0.059}_{-0.060}$	$1-n_s$	0.038 ± 0.014
$1-n_s$	$0.010 < 1-n_s < 0.065$ (95% CL)	$1+w$	$0.016^{+0.065}_{-0.064}$
$1+w$	$-0.11 < 1+w < 0.14$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.473^{+0.014}_{-0.013}$
C_{220}	5756^{+43}_{-42}	$d_A(z_{\rm eq})$	14282^{+176}_{-178} Mpc
$d_A(z_*)$	14122^{+180}_{-184} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.11) \times 10^{-9}$
h	$0.687^{+0.019}_{-0.020}$	H_0	$68.7^{+1.9}_{-2.0}$ km/s/Mpc
$k_{\rm eq}$	0.00967 ± 0.00045	$\ell_{\rm eq}$	$136.5^{+4.7}_{-4.6}$
ℓ_*	$302.12^{+0.86}_{-0.83}$	n_s	0.962 ± 0.014
Ω_b	$0.0481^{+0.0027}_{-0.0026}$	$\Omega_b h^2$	$0.02268^{+0.00059}_{-0.00060}$
Ω_c	$0.233^{+0.015}_{-0.014}$	$\Omega_c h^2$	$0.1098^{+0.0061}_{-0.0060}$
Ω_k	$-0.0046^{+0.0066}_{-0.0067}$	Ω_k	$-0.0175 < \Omega_k < 0.0085$ (95% CL)
Ω_Λ	$0.724^{+0.015}_{-0.016}$	Ω_m	$0.281^{+0.016}_{-0.015}$
$\Omega_m h^2$	0.1325 ± 0.0062	$\Omega_{\rm tot}$	$1.0046^{+0.0067}_{-0.0066}$
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.02$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.1^{+3.3}_{-3.4}$ Mpc
$r_s(z_d)$	$153.4^{+2.0}_{-1.9}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1871^{+0.0045}_{-0.0048}$
$r_s(z_d)/D_v(z=0.35)$	$0.1125^{+0.0028}_{-0.0029}$	$r_s(z_*)$	$146.8^{+1.8}_{-1.7}$ Mpc
R	1.714 ± 0.020	σ_8	$0.788^{+0.045}_{-0.044}$
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$	t_0	$13.95^{+0.33}_{-0.32}$ Gyr
τ	0.087 ± 0.016	θ_*	$0.010399^{+0.000029}_{-0.000030}$
θ_*	$0.5958^{+0.0016}_{-0.0017}$ °	t_*	380149^{+5713}_{-5757} yr
w	$-0.984^{+0.065}_{-0.064}$	$z_{\rm dec}$	1087.9 ± 1.1
z_d	1020.4 ± 1.5	$z_{\rm eq}$	3173^{+149}_{-148}
$z_{\rm reion}$	11.0 ± 1.4	z_*	$1090.57^{+0.91}_{-0.92}$

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+ebao

$10^2\Omega_b h^2$	$2.255^{+0.058}_{-0.065}$	$1-n_s$	$0.042^{+0.014}_{-0.015}$
$1-n_s$	$0.013 < 1-n_s < 0.069$ (95% CL)	$1+w$	$-0.37^{+0.45}_{-0.53}$
$1+w$	$-1.35 < 1+w < 0.28$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.475 ± 0.015
C_{220}	5751 ± 45	$d_A(z_{\rm eq})$	14289^{+167}_{-178} Mpc
$d_A(z_*)$	14136^{+165}_{-180} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.44 \pm 0.11) \times 10^{-9}$
h	$0.750^{+0.097}_{-0.089}$	H_0	$75.0^{+9.7}_{-8.9}$ km/s/Mpc
$k_{\rm eq}$	0.00967 ± 0.00046	$\ell_{\rm eq}$	$136.7^{+4.8}_{-5.0}$
ℓ_*	$302.28^{+0.82}_{-0.85}$	n_s	$0.958^{+0.015}_{-0.014}$
Ω_b	0.042 ± 0.010	$\Omega_b h^2$	$0.02255^{+0.00058}_{-0.00065}$
Ω_c	$0.202^{+0.047}_{-0.046}$	$\Omega_c h^2$	$0.1099^{+0.0061}_{-0.0064}$
Ω_k	$-0.0096^{+0.0072}_{-0.0068}$	Ω_k	$-0.0228 < \Omega_k < 0.0046$ (95% CL)
Ω_Λ	0.766 ± 0.060	Ω_m	0.244 ± 0.057
$\Omega_m h^2$	0.1325 ± 0.0063	$\Omega_{\rm tot}$	$1.0096^{+0.0068}_{-0.0072}$
$\Omega_{\rm tot}$	$1.00 < \Omega_{\rm tot} < 1.02$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.0^{+3.5}_{-3.4}$ Mpc
$r_s(z_d)$	153.5 ± 1.9 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.192^{+0.010}_{-0.011}$
$r_s(z_d)/D_v(z=0.35)$	$0.1120^{+0.0038}_{-0.0034}$	$r_s(z_*)$	146.9 ± 1.7 Mpc
R	$1.715^{+0.020}_{-0.021}$	σ_8	$0.88^{+0.13}_{-0.12}$
$A_{\rm SZ}$	$1.08^{+0.68}_{-0.70}$	t_0	14.27 ± 0.44 Gyr
τ	$0.087^{+0.016}_{-0.017}$	θ_*	$0.010393^{+0.000029}_{-0.000028}$
θ_*	$0.5955^{+0.0017}_{-0.0016}$ °	t_*	380062^{+6065}_{-5706} yr
w	$-1.37^{+0.45}_{-0.53}$	$z_{\rm dec}$	1088.1 ± 1.1
z_d	1020.1 ± 1.5	$z_{\rm eq}$	3173^{+150}_{-151}
$z_{\rm reion}$	$11.0^{+1.4}_{-1.5}$	z_*	$1090.74^{+0.97}_{-1.02}$

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+ebao+snall

$10^2\Omega_b h^2$	$2.263^{+0.059}_{-0.060}$	$1-n_s$	0.039 ± 0.014
$1-n_s$	$0.012 < 1-n_s < 0.066$ (95% CL)	$1+w$	$0.015^{+0.069}_{-0.068}$
$1+w$	$-0.12 < 1+w < 0.14$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.479^{+0.015}_{-0.016}$
C_{220}	5756^{+43}_{-42}	$d_A(z_{\rm eq})$	14294^{+175}_{-173} Mpc
$d_A(z_*)$	14136^{+180}_{-178} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42^{+0.12}_{-0.11}) \times 10^{-9}$
h	$0.676^{+0.024}_{-0.025}$	H_0	$67.6^{+2.4}_{-2.5}$ km/s/Mpc
$k_{\rm eq}$	$0.00965^{+0.00044}_{-0.00043}$	$\ell_{\rm eq}$	$136.3^{+4.5}_{-4.4}$
ℓ_*	$302.17^{+0.85}_{-0.84}$	n_s	0.961 ± 0.014
Ω_b	$0.0497^{+0.0034}_{-0.0033}$	$\Omega_b h^2$	$0.02263^{+0.00059}_{-0.00060}$
Ω_c	0.240 ± 0.016	$\Omega_c h^2$	$0.1095^{+0.0058}_{-0.0057}$
Ω_k	$-0.0072^{+0.0084}_{-0.0082}$	Ω_k	$-0.0218 < \Omega_k < 0.0095$ (95% CL)
Ω_Λ	0.717 ± 0.016	Ω_m	$0.290^{+0.018}_{-0.019}$
$\Omega_m h^2$	$0.1321^{+0.0060}_{-0.0059}$	$\Omega_{\rm tot}$	$1.0072^{+0.0082}_{-0.0084}$
$\Omega_{\rm tot}$	$0.99 < \Omega_{\rm tot} < 1.02$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	286.2 ± 3.2 Mpc
$r_s(z_d)$	153.6 ± 1.9 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1844^{+0.0058}_{-0.0057}$
$r_s(z_d)/D_v(z=0.35)$	$0.1110^{+0.0035}_{-0.0034}$	$r_s(z_*)$	147.0 ± 1.7 Mpc
R	1.713 ± 0.019	σ_8	$0.785^{+0.042}_{-0.041}$
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$	t_0	14.09 ± 0.41 Gyr
τ	0.087 ± 0.016	θ_*	0.010397 ± 0.000029
θ_*	0.5957 ± 0.0017 °	t_*	380449^{+5395}_{-5464} yr
w	$-0.985^{+0.069}_{-0.068}$	$z_{\rm dec}$	1087.9 ± 1.1
z_d	$1020.2^{+1.5}_{-1.6}$	$z_{\rm eq}$	3165^{+143}_{-141}
$z_{\rm reion}$	11.0 ± 1.4	z_*	1090.60 ± 0.88

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+hst

$10^2\Omega_b h^2$	2.252 ± 0.064	$1 - n_s$	$0.043^{+0.014}_{-0.015}$
$1 - n_s$	$0.015 < 1 - n_s < 0.072$ (95% CL)	$1 + w$	$-0.33^{+0.47}_{-0.53}$
$1 + w$	$-1.37 < 1 + w < 0.32$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	$0.506^{+0.055}_{-0.054}$
C_{220}	5755^{+45}_{-44}	$d_A(z_{\rm eq})$	14261^{+183}_{-176} Mpc
$d_A(z_*)$	14111^{+185}_{-180} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.44^{+0.13}_{-0.12}) \times 10^{-9}$
h	$0.686^{+0.079}_{-0.080}$	H_0	$68.6^{+7.9}_{-8.0}$ km/s/Mpc
$k_{\rm eq}$	$0.00975^{+0.00046}_{-0.00047}$	$\ell_{\rm eq}$	$137.5^{+5.0}_{-4.9}$
ℓ_*	$302.28^{+0.86}_{-0.84}$	n_s	$0.957^{+0.015}_{-0.014}$
Ω_b	0.050 ± 0.011	$\Omega_b h^2$	0.02252 ± 0.00064
Ω_c	$0.246^{+0.061}_{-0.059}$	$\Omega_c h^2$	0.1110 ± 0.0063
Ω_k	$-0.017^{+0.020}_{-0.018}$	Ω_k	$-0.063 < \Omega_k < 0.017$ (95% CL)
Ω_Λ	$0.722^{+0.062}_{-0.061}$	Ω_m	$0.295^{+0.071}_{-0.070}$
$\Omega_m h^2$	$0.1335^{+0.0063}_{-0.0064}$	$\Omega_{\rm tot}$	$1.017^{+0.018}_{-0.020}$
$\Omega_{\rm tot}$	$0.98 < \Omega_{\rm tot} < 1.06$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$285.5^{+3.5}_{-3.4}$ Mpc
$r_s(z_d)$	153.3 ± 2.0 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.180 ± 0.018
$r_s(z_d)/D_v(z = 0.35)$	0.107 ± 0.011	$r_s(z_*)$	$146.7^{+1.8}_{-1.7}$ Mpc
R	1.719 ± 0.021	σ_8	0.85 ± 0.10
$A_{\rm SZ}$	$1.07^{+0.64}_{-0.66}$	t_0	14.60 ± 0.98 Gyr
τ	0.085 ± 0.016	θ_*	$0.010393^{+0.000029}_{-0.000030}$
θ_*	0.5955 ± 0.0017 °	t_*	379083^{+5973}_{-5883} yr
w	$-1.33^{+0.47}_{-0.53}$	$z_{\rm dec}$	1088.2 ± 1.2
z_d	$1020.1^{+1.6}_{-1.5}$	$z_{\rm eq}$	3198^{+152}_{-153}
$z_{\rm reion}$	10.8 ± 1.4	z_*	1090.9 ± 1.0

WMAP Cosmological Parameters

Model: owcdm+sz+lens

Data: wmap5+snall

$10^2\Omega_b h^2$	$2.237^{+0.059}_{-0.060}$	$1-n_s$	0.048 ± 0.014
$1-n_s$	$0.021 < 1-n_s < 0.074$ (95% CL)	$1+w$	-0.41 ± 0.30
$1+w$	$-1.119 < 1+w < 0.047$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.580^{+0.053}_{-0.054}$
C_{220}	5757^{+44}_{-43}	$d_A(z_{\rm eq})$	14243^{+192}_{-188} Mpc
$d_A(z_*)$	14110^{+197}_{-191} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.48 \pm 0.11) \times 10^{-9}$
h	0.575 ± 0.048	H_0	57.5 ± 4.8 km/s/Mpc
$k_{\rm eq}$	0.00979 ± 0.00045	$\ell_{\rm eq}$	138.0 ± 4.6
ℓ_*	$302.43^{+0.84}_{-0.86}$	n_s	0.952 ± 0.014
Ω_b	0.069 ± 0.011	$\Omega_b h^2$	$0.02237^{+0.00059}_{-0.00060}$
Ω_c	$0.344^{+0.056}_{-0.058}$	$\Omega_c h^2$	0.1117 ± 0.0061
Ω_k	-0.050 ± 0.025	Ω_k	$-0.0976 < \Omega_k < -0.0047$ (95% CL)
Ω_Λ	$0.637^{+0.045}_{-0.044}$	Ω_m	$0.413^{+0.067}_{-0.068}$
$\Omega_m h^2$	0.1341 ± 0.0062	$\Omega_{\rm tot}$	1.050 ± 0.025
$\Omega_{\rm tot}$	$1.0 < \Omega_{\rm tot} < 1.1$ (95% CL)	$r_{\rm hor}(z_{\rm dec})$	285.1 ± 3.3 Mpc
$r_s(z_d)$	153.2 ± 2.0 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.154 ± 0.014
$r_s(z_d)/D_v(z=0.35)$	$0.0929^{+0.0086}_{-0.0084}$	$r_s(z_*)$	146.6 ± 1.8 Mpc
R	1.722 ± 0.019	σ_8	$0.831^{+0.043}_{-0.044}$
$A_{\rm SZ}$	$1.06^{+0.94}_{-0.69}$	t_0	15.79 ± 0.94 Gyr
τ	0.084 ± 0.017	θ_*	$0.010388^{+0.000030}_{-0.000029}$
θ_*	0.5952 ± 0.0017 °	t_*	378432^{+5643}_{-5662} yr
w	-1.41 ± 0.30	$z_{\rm dec}$	1088.3 ± 1.1
z_d	1019.9 ± 1.6	$z_{\rm eq}$	3211^{+149}_{-148}
$z_{\rm reion}$	10.7 ± 1.5	z_*	1091.14 ± 0.88

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5

$10^2\Omega_b h^2$	$2.273^{+0.065}_{-0.066}$	$1-n_s$	0.037 ± 0.016
$1-n_s$	$0.0042 < 1-n_s < 0.0663$ (95% CL)	$1+w$	$-0.06^{+0.41}_{-0.42}$
$1+w$	$-0.78 < 1+w < 0.68$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.461^{+0.044}_{-0.043}$
C_{220}	5755^{+43}_{-44}	$d_A(z_{\rm eq})$	14273^{+186}_{-183} Mpc
$d_A(z_*)$	14108^{+188}_{-184} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.13) \times 10^{-9}$
h	$0.74^{+0.15}_{-0.14}$	H_0	74^{+15}_{-14} km/s/Mpc
$k_{\rm eq}$	0.00971 ± 0.00046	$\ell_{\rm eq}$	136.9 ± 4.9
ℓ_*	$302.14^{+0.85}_{-0.88}$	n_s	0.963 ± 0.016
Ω_b	0.046 ± 0.018	$\Omega_b h^2$	$0.02273^{+0.00065}_{-0.00066}$
Ω_c	$0.221^{+0.087}_{-0.082}$	$\Omega_c h^2$	$0.1102^{+0.0065}_{-0.0063}$
Ω_Λ	$0.73^{+0.10}_{-0.11}$	Ω_m	$0.27^{+0.11}_{-0.10}$
$\Omega_m h^2$	$0.1329^{+0.0064}_{-0.0063}$	$r_{\rm hor}(z_{\rm dec})$	285.8 ± 3.5 Mpc
$r_s(z_d)$	$153.2^{+2.0}_{-1.9}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.196^{+0.026}_{-0.025}$
$r_s(z_d)/D_v(z=0.35)$	$0.116^{+0.010}_{-0.011}$	$r_s(z_*)$	146.7 ± 1.8 Mpc
R	1.715 ± 0.021	σ_8	0.81 ± 0.14
$A_{\rm SZ}$	$1.06^{+0.93}_{-0.68}$	t_0	13.74 ± 0.31 Gyr
τ	$0.086^{+0.017}_{-0.016}$	θ_*	$0.010398^{+0.000031}_{-0.000029}$
θ_*	0.5958 ± 0.0017 °	t_*	379777^{+5948}_{-6021} yr
w	$-1.06^{+0.41}_{-0.42}$	$z_{\rm dec}$	1087.9 ± 1.2
z_d	1020.5 ± 1.6	$z_{\rm eq}$	3184^{+152}_{-151}
$z_{\rm reion}$	$10.9^{+1.5}_{-1.4}$	z_*	1090.5 ± 1.0

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5+bao

$10^2\Omega_b h^2$	$2.261^{+0.058}_{-0.059}$	$1-n_s$	0.042 ± 0.015
$1-n_s$	$0.013 < 1-n_s < 0.071$ (95% CL)	$1+w$	$-0.15^{+0.21}_{-0.22}$
$1+w$	$-0.68 < 1+w < 0.21$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.467 ± 0.012
C_{220}	5745 ± 42	$d_A(z_{\rm eq})$	14149 ± 186 Mpc
$d_A(z_*)$	13983^{+187}_{-188} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.48 \pm 0.13) \times 10^{-9}$
h	$0.739^{+0.047}_{-0.048}$	H_0	$73.9^{+4.7}_{-4.8}$ km/s/Mpc
$k_{\rm eq}$	$0.01009^{+0.00050}_{-0.00049}$	$\ell_{\rm eq}$	$141.0^{+5.2}_{-5.1}$
ℓ_*	302.24 ± 0.83	n_s	0.958 ± 0.015
Ω_b	$0.0419^{+0.0055}_{-0.0056}$	$\Omega_b h^2$	$0.02261^{+0.00058}_{-0.00059}$
Ω_c	0.213 ± 0.021	$\Omega_c h^2$	$0.1156^{+0.0068}_{-0.0066}$
Ω_Λ	0.745 ± 0.026	Ω_m	0.255 ± 0.026
$\Omega_m h^2$	$0.1382^{+0.0068}_{-0.0067}$	$r_{\rm hor}(z_{\rm dec})$	$283.0^{+3.5}_{-3.6}$ Mpc
$r_s(z_d)$	151.8 ± 2.0 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.1939 ± 0.0058
$r_s(z_d)/D_v(z=0.35)$	0.1151 ± 0.0023	$r_s(z_*)$	145.3 ± 1.8 Mpc
R	1.733 ± 0.022	σ_8	$0.863^{+0.094}_{-0.090}$
$A_{\rm SZ}$	$0.99^{+0.67}_{-0.99}$	t_0	13.68 ± 0.13 Gyr
τ	0.083 ± 0.016	θ_*	0.010395 ± 0.000029
θ_*	0.5956 ± 0.0016 °	t_*	374846^{+5993}_{-6145} yr
w	$-1.15^{+0.21}_{-0.22}$	$z_{\rm dec}$	1088.4 ± 1.2
z_d	$1020.8^{+1.5}_{-1.4}$	$z_{\rm eq}$	3311^{+163}_{-160}
$z_{\rm reion}$	10.8 ± 1.4	z_*	1091.2 ± 1.0

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	2.270 ± 0.060	$1 - n_s$	0.038 ± 0.014
$1 - n_s$	$0.011 < 1 - n_s < 0.065$ (95% CL)	$1 + w$	$0.028^{+0.061}_{-0.060}$
$1 + w$	$-0.097 < 1 + w < 0.142$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.470 ± 0.012
C_{220}	5752 ± 43	$d_A(z_{\rm eq})$	14216^{+160}_{-161} Mpc
$d_A(z_*)$	14050^{+162}_{-163} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.43 \pm 0.11) \times 10^{-9}$
h	0.697 ± 0.014	H_0	69.7 ± 1.4 km/s/Mpc
$k_{\rm eq}$	0.00987 ± 0.00037	$\ell_{\rm eq}$	138.6 ± 3.8
ℓ_*	302.11 ± 0.82	n_s	0.962 ± 0.014
Ω_b	0.0467 ± 0.0018	$\Omega_b h^2$	0.02270 ± 0.00060
Ω_c	0.231 ± 0.014	$\Omega_c h^2$	0.1124 ± 0.0050
Ω_Λ	0.722 ± 0.015	Ω_m	0.278 ± 0.015
$\Omega_m h^2$	0.1351 ± 0.0051	$r_{\rm hor}(z_{\rm dec})$	284.6 ± 2.7 Mpc
$r_s(z_d)$	152.6 ± 1.7 Mpc	$r_s(z_d)/D_v(z = 0.2)$	0.1891 ± 0.0035
$r_s(z_d)/D_v(z = 0.35)$	0.1138 ± 0.0020	$r_s(z_*)$	146.1 ± 1.5 Mpc
R	1.722 ± 0.016	σ_8	$0.799^{+0.044}_{-0.043}$
$A_{\rm SZ}$	$1.01^{+0.98}_{-0.69}$	t_0	13.73 ± 0.12 Gyr
τ	0.085 ± 0.016	θ_*	0.010399 ± 0.000028
θ_*	0.5958 ± 0.0016 °	t_*	377686^{+4646}_{-4648} yr
w	$-0.972^{+0.061}_{-0.060}$	$z_{\rm dec}$	1088.0 ± 1.1
z_d	1020.7 ± 1.5	$z_{\rm eq}$	3236 ± 122
$z_{\rm reion}$	10.9 ± 1.4	z_*	1090.76 ± 0.85

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5+bao+snall+lyapost

$10^2\Omega_b h^2$	$2.293^{+0.055}_{-0.054}$	$1-n_s$	0.034 ± 0.013
$1-n_s$	$0.0086 < 1-n_s < 0.0601$ (95% CL)	$1+w$	-0.028 ± 0.059
$1+w$	$-0.147 < 1+w < 0.082$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.483 ± 0.010
C_{220}	5755 ± 42	$d_A(z_{\rm eq})$	14007^{+112}_{-118} Mpc
$d_A(z_*)$	13839^{+112}_{-118} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.506^{+0.096}_{-0.099}) \times 10^{-9}$
h	0.698 ± 0.014	H_0	69.8 ± 1.4 km/s/Mpc
$k_{\rm eq}$	$0.01038^{+0.00028}_{-0.00027}$	$\ell_{\rm eq}$	$143.6^{+2.9}_{-2.8}$
ℓ_*	301.65 ± 0.74	n_s	0.966 ± 0.013
Ω_b	0.0471 ± 0.0017	$\Omega_b h^2$	$0.02293^{+0.00055}_{-0.00054}$
Ω_c	0.245 ± 0.013	$\Omega_c h^2$	$0.1192^{+0.0038}_{-0.0037}$
Ω_Λ	0.708 ± 0.014	Ω_m	0.292 ± 0.014
$\Omega_m h^2$	$0.1421^{+0.0039}_{-0.0037}$	$r_{\rm hor}(z_{\rm dec})$	$280.9^{+1.9}_{-2.0}$ Mpc
$r_s(z_d)$	150.4 ± 1.2 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.1860^{+0.0031}_{-0.0032}$
$r_s(z_d)/D_v(z=0.35)$	$0.1118^{+0.0018}_{-0.0017}$	$r_s(z_*)$	$144.1^{+1.0}_{-1.1}$ Mpc
R	$1.740^{+0.013}_{-0.012}$	σ_8	$0.862^{+0.031}_{-0.030}$
$A_{\rm SZ}$	$0.91^{+0.70}_{-0.90}$	t_0	13.66 ± 0.11 Gyr
τ	0.092 ± 0.016	θ_*	0.010415 ± 0.000026
θ_*	0.5967 ± 0.0015 °	t_*	371522^{+3247}_{-3332} yr
w	-1.028 ± 0.059	$z_{\rm dec}$	1088.3 ± 1.1
z_d	1021.9 ± 1.3	$z_{\rm eq}$	3405^{+92}_{-90}
$z_{\rm reion}$	11.6 ± 1.4	z_*	$1091.05^{+0.77}_{-0.79}$

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5+hst

$10^2\Omega_b h^2$	$2.274^{+0.062}_{-0.060}$	$1-n_s$	0.036 ± 0.015
$1-n_s$	$0.0055 < 1-n_s < 0.0639$ (95% CL)	$1+w$	$-0.01^{+0.23}_{-0.22}$
$1+w$	$-0.47 < 1+w < 0.42$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.460^{+0.027}_{-0.026}$
C_{220}	5755^{+43}_{-42}	$d_A(z_{\rm eq})$	14271 ± 192 Mpc
$d_A(z_*)$	14107 ± 194 Mpc	$\Delta^2_{\mathcal{R}}$	$(2.41 \pm 0.12) \times 10^{-9}$
h	$0.721^{+0.074}_{-0.076}$	H_0	$72.1^{+7.4}_{-7.6}$ km/s/Mpc
$k_{\rm eq}$	0.00971 ± 0.00048	$\ell_{\rm eq}$	136.8 ± 5.0
ℓ_*	302.10 ± 0.85	n_s	0.964 ± 0.015
Ω_b	$0.0452^{+0.0095}_{-0.0094}$	$\Omega_b h^2$	$0.02274^{+0.00062}_{-0.00060}$
Ω_c	0.219 ± 0.046	$\Omega_c h^2$	0.1102 ± 0.0065
Ω_Λ	$0.736^{+0.055}_{-0.056}$	Ω_m	$0.264^{+0.056}_{-0.055}$
$\Omega_m h^2$	0.1329 ± 0.0066	$r_{\rm hor}(z_{\rm dec})$	285.8 ± 3.6 Mpc
$r_s(z_d)$	$153.2^{+2.1}_{-2.0}$ Mpc	$r_s(z_d)/D_v(z=0.2)$	0.194 ± 0.014
$r_s(z_d)/D_v(z=0.35)$	$0.1160^{+0.0060}_{-0.0062}$	$r_s(z_*)$	146.7 ± 1.8 Mpc
R	1.714 ± 0.021	σ_8	$0.798^{+0.086}_{-0.085}$
$A_{\rm SZ}$	$1.02^{+0.97}_{-0.66}$	t_0	13.71 ± 0.18 Gyr
τ	0.087 ± 0.017	θ_*	0.010399 ± 0.000029
θ_*	0.5958 ± 0.0017 °	t_*	379806^{+6129}_{-6096} yr
w	$-1.01^{+0.23}_{-0.22}$	$z_{\rm dec}$	1087.9 ± 1.2
z_d	$1020.5^{+1.6}_{-1.5}$	$z_{\rm eq}$	3184 ± 158
$z_{\rm reion}$	11.0 ± 1.4	z_*	$1090.53^{+0.96}_{-0.99}$

WMAP Cosmological Parameters

Model: wcdm+sz+lens

Data: wmap5+snall

$10^2\Omega_b h^2$	$2.271^{+0.063}_{-0.062}$	$1-n_s$	0.038 ± 0.015
$1-n_s$	$0.0077 < 1-n_s < 0.0661$ (95% CL)	$1+w$	$0.040^{+0.066}_{-0.064}$
$1+w$	$-0.098 < 1+w < 0.159$ (95% CL)	$A_{\rm BAO}(z=0.35)$	0.471 ± 0.017
C_{220}	5752^{+43}_{-44}	$d_A(z_{\rm eq})$	14221^{+189}_{-186} Mpc
$d_A(z_*)$	14056^{+192}_{-188} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.43 \pm 0.12) \times 10^{-9}$
h	$0.694^{+0.016}_{-0.017}$	H_0	$69.4^{+1.6}_{-1.7}$ km/s/Mpc
$k_{\rm eq}$	$0.00985^{+0.00047}_{-0.00048}$	$\ell_{\rm eq}$	$138.4^{+4.8}_{-5.1}$
ℓ_*	302.11 ± 0.85	n_s	0.962 ± 0.015
Ω_b	0.0472 ± 0.0021	$\Omega_b h^2$	$0.02271^{+0.00063}_{-0.00062}$
Ω_c	0.234 ± 0.020	$\Omega_c h^2$	$0.1122^{+0.0064}_{-0.0066}$
Ω_Λ	0.719 ± 0.022	Ω_m	0.281 ± 0.022
$\Omega_m h^2$	$0.1349^{+0.0064}_{-0.0065}$	$r_{\rm hor}(z_{\rm dec})$	$284.7^{+3.5}_{-3.4}$ Mpc
$r_s(z_d)$	152.7 ± 2.0 Mpc	$r_s(z_d)/D_v(z=0.2)$	0.1886 ± 0.0051
$r_s(z_d)/D_v(z=0.35)$	0.1136 ± 0.0029	$r_s(z_*)$	146.2 ± 1.8 Mpc
R	1.721 ± 0.021	σ_8	$0.794^{+0.050}_{-0.052}$
$A_{\rm SZ}$	$1.01^{+0.99}_{-1.01}$	t_0	13.74 ± 0.13 Gyr
τ	0.086 ± 0.017	θ_*	0.010399 ± 0.000029
θ_*	0.5958 ± 0.0017 °	t_*	377905^{+6099}_{-5871} yr
w	$-0.960^{+0.066}_{-0.064}$	$z_{\rm dec}$	1088.0 ± 1.2
z_d	1020.7 ± 1.5	$z_{\rm eq}$	3232^{+154}_{-157}
$z_{\rm reion}$	11.0 ± 1.4	z_*	1090.74 ± 0.98

WMAP Cosmological Parameters

Model: wcdm+sz+lens+mnu

Data: wmap5

$10^2\Omega_b h^2$	$2.222^{+0.063}_{-0.062}$	$1-n_s$	0.052 ± 0.017
$1-n_s$	$0.018 < 1-n_s < 0.088$ (95% CL)	$1+w$	$-0.23^{+0.55}_{-0.53}$
$1+w$	$-1.24 < 1+w < 0.63$ (95% CL)	$A_{\rm BAO}(z=0.35)$	$0.502^{+0.049}_{-0.051}$
C_{220}	5760 ± 43	$d_A(z_{\rm eq})$	14223^{+207}_{-190} Mpc
$d_A(z_*)$	14056^{+208}_{-191} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.50 \pm 0.14) \times 10^{-9}$
h	0.71 ± 0.15	H_0	71 ± 15 km/s/Mpc
$k_{\rm eq}$	$0.01031^{+0.00060}_{-0.00061}$	$\ell_{\rm eq}$	$144.9^{+6.8}_{-7.0}$
ℓ_*	305.1 ± 1.9	$\sum m_\nu$	< 1.5 eV (95% CL)
n_s	0.948 ± 0.017	Ω_b	$0.049^{+0.022}_{-0.019}$
$\Omega_b h^2$	$0.02222^{+0.00063}_{-0.00062}$	Ω_c	$0.246^{+0.109}_{-0.094}$
$\Omega_c h^2$	$0.1119^{+0.0064}_{-0.0065}$	Ω_Λ	$0.69^{+0.12}_{-0.14}$
Ω_m	$0.31^{+0.14}_{-0.12}$	$\Omega_m h^2$	$0.1412^{+0.0083}_{-0.0084}$
$\Omega_\nu h^2$	< 0.015 (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$284.4^{+3.5}_{-3.6}$ Mpc
$r_s(z_d)$	151.3 ± 2.4 Mpc	$r_s(z_d)/D_v(z=0.2)$	$0.184^{+0.023}_{-0.025}$
$r_s(z_d)/D_v(z=0.35)$	0.109 ± 0.010	$r_s(z_*)$	$144.8^{+2.1}_{-2.2}$ Mpc
R	$1.761^{+0.034}_{-0.036}$	σ_8	0.71 ± 0.14
$A_{\rm SZ}$	$1.12^{+0.88}_{-0.69}$	t_0	$14.06^{+0.36}_{-0.34}$ Gyr
τ	0.083 ± 0.016	θ_*	$0.010299^{+0.000065}_{-0.000063}$
θ_*	$0.5901^{+0.0037}_{-0.0036}$ °	t_*	371892^{+7599}_{-7381} yr
w	$-1.23^{+0.55}_{-0.53}$	$z_{\rm dec}$	$1088.7^{+1.2}_{-1.3}$
z_d	$1020.2^{+1.5}_{-1.6}$	$z_{\rm eq}$	3383^{+198}_{-201}
$z_{\rm reion}$	$11.0^{+1.5}_{-1.4}$	z_*	1092.0 ± 1.3

WMAP Cosmological Parameters

Model: wcdm+sz+lens+mnu

Data: wmap5+bao+snall

$10^2\Omega_b h^2$	2.253 ± 0.064	$1 - n_s$	$0.040^{+0.014}_{-0.015}$
$1 - n_s$	$0.011 < 1 - n_s < 0.068$ (95% CL)	$1 + w$	$-0.004^{+0.068}_{-0.069}$
$1 + w$	$-0.14 < 1 + w < 0.12$ (95% CL)	$A_{\rm BAO}(z = 0.35)$	0.475 ± 0.013
C_{220}	5759 ± 44	$d_A(z_{\rm eq})$	14296^{+175}_{-172} Mpc
$d_A(z_*)$	14131^{+177}_{-173} Mpc	$\Delta^2_{\mathcal{R}}$	$(2.42 \pm 0.10) \times 10^{-9}$
h	0.691 ± 0.015	H_0	69.1 ± 1.5 km/s/Mpc
$k_{\rm eq}$	0.00984 ± 0.00037	$\ell_{\rm eq}$	139.0 ± 3.8
ℓ_*	303.5 ± 1.3	$\sum m_\nu$	< 0.66 eV (95% CL)
n_s	$0.960^{+0.015}_{-0.014}$	Ω_b	0.0472 ± 0.0019
$\Omega_b h^2$	0.02253 ± 0.00064	Ω_c	0.228 ± 0.014
$\Omega_c h^2$	$0.1091^{+0.0053}_{-0.0054}$	Ω_Λ	0.718 ± 0.016
Ω_m	0.282 ± 0.016	$\Omega_m h^2$	0.1348 ± 0.0051
$\Omega_\nu h^2$	< 0.0071 (95% CL)	$r_{\rm hor}(z_{\rm dec})$	$286.3^{+3.0}_{-2.9}$ Mpc
$r_s(z_d)$	152.8 ± 1.7 Mpc	$r_s(z_d)/D_v(z = 0.2)$	$0.1873^{+0.0039}_{-0.0038}$
$r_s(z_d)/D_v(z = 0.35)$	$0.1126^{+0.0023}_{-0.0022}$	$r_s(z_*)$	146.3 ± 1.5 Mpc
R	1.730 ± 0.017	σ_8	$0.727^{+0.064}_{-0.065}$
$A_{\rm SZ}$	$1.03^{+0.96}_{-0.66}$	t_0	13.87 ± 0.16 Gyr
τ	0.087 ± 0.016	θ_*	0.010352 ± 0.000044
θ_*	0.5931 ± 0.0025 °	t_*	377818^{+4554}_{-4586} yr
w	$-1.004^{+0.068}_{-0.069}$	$z_{\rm dec}$	1088.0 ± 1.1
z_d	1020.3 ± 1.6	$z_{\rm eq}$	3229^{+123}_{-121}
$z_{\rm reion}$	11.1 ± 1.4	z_*	$1090.98^{+0.90}_{-0.91}$