COBE: CMB
Sensitivity of the acoustic temperature spectrum to four fundamental cosmological parameters. (a) The curvature, (b) The dark energy, (c) The physical baryon Density, (d) The physical matter density. All are varied around a fiducial model of $n=1, k=0, \Lambda=0.65, \Omega_{b}h^{2}=0.02, \Omega_{m}h^{2}=0.15$. [Hu & Dodelson 2002, ARA&A 40, 171]
Figure 9. Temperature (TT) and temperature-polarization (TE) power spectra for the seven-year WMAP data set. The solid lines show the predicted spectrum for the best-fit flat ΛCDM model. The error bars on the data points represent measurement errors, while the shaded region indicates the uncertainty in the model spectrum arising from cosmic variance. The model parameters are $\Omega_b h^2 = 0.02260 \pm 0.00053$, $\Omega_c h^2 = 0.1123 \pm 0.0035$, $\Omega_{\Lambda} = 0.728^{+0.015}_{-0.016}$, $n_s = 0.963 \pm 0.012$, $\tau = 0.087 \pm 0.014$, and $\sigma_8 = 0.809 \pm 0.024$. 

CMB: WMAP 7yr
SNIIa Hubble diagram

![Hubble diagram showing SNIIa standard candles and MLCS]
SN Ia

Supernova Cosmology Project

Calan/Tololo (Hamuy et al. A.J. 1996)

Perlmutter, et al. (1998)
SN Ia + CMB
Ly-α Forest
(Re)Ionization?

SDSS 1044−0125
Keck/ESI
$z = 5.73 \pm 0.01$