- Artificial satellites
  Mike McCants' Satellite Tracking web pages (alldat.tle file). The file includes orbital elements supplied by OIG (NASA/GSFC Orbital Information Group) and data on other satellites obtained primarily by amateur visual observations.
  (http://oig1.gsfc.nasa.gov/)
  (http://users2.ev1.net/~mmccants/tles/index.html)

- Hubble Space Telescope location
  Alan Patterson & Davin Workman (Science and Mission Scheduling Branch, Operations and Data Management Division, Space Telescope Science Institute), private communication

- Chandra X-ray Observatory location
  Rob Cameron (CXO Science Operations Team), private communication

- Asteroid catalog
  Lowell Observatory Asteroid Database (ASTORB), 2003/04/19 snapshot, with ephemeris calculated for Aug 12, 2003
  ftp://ftp.lowell.edu/pub/elgb/astorb.html

- Minor bodies' ephemeris
  Ephemeris computed using an adapted version of the OrbFit software package.
  OrbFit is written by the OrbFit consortium: Dept. of Mathematics, Univ. of Pisa (Andrea Milani, Steven R. Chesley), Astronomical Observatory of Brera, Milan (Mario Carpino), Astronomical Observatory, Belgrade (Zoran Knežević), CNR Institute for Space Astrophysics, Rome (Giovanni B. Valsecchi).
  (http://newton.dm.unipi.it/~neodys/astinfo/orbfit/)

- Quaoar and Sedna information
  (http://www.gps.caltech.edu/~chad)

- Comet, Sun, Moon and planet ephemeris
  Generated using JPL HORIZONS On-line Solar System Data and Ephemeris Computation Service.
  (http://ssd.jpl.nasa.gov/horizons.html)

- Space probes
  Voyager 1, Voyager 2, Pioneer 10, Ulysses positions obtained from NASA HeloWeb webpage at NSSDC (National Space Science Data Center)
  (http://nssdc.gsfc.nasa.gov/space/helios/heli.html)

- Heliopause
  Distance taken to be approximately 110 AU in the direction of approximately 18h RA.

- Oort Cloud
  Taken to extend from 8,000 AU to 100,000 AU

- 10 brightest stars
  Source for positions and parallaxes: SIMBAD Reference database, Centre de Donnees astronomiques de Strasbourg
  (http://simbad.u-strasbg.fr/sim-fid.pl)

- 10 nearest stars
  Source for positions and parallaxes: Research Consortium on Nearby Stars, list as of July 1, 2004
  (http://www.chara.gsu.edu/RECONS/TOP100.htm)

- Extra-solar planets
  IAU "Working Group on Extrasolar Planets" list of planets, the "Extrasolar Planets Catalog" of the "Extrasolar Planets Encyclopedia" maintained by Jean Schneider at CNRS – Paris Observatory
  (http://www.ciw.deu/IAU/div3/wgesp/planets.shtml)
  (http://www.obspm.fr/encycl/encycl.html)
  (http://cfa-www.harvard.edu/planets/OGLE-TR-56.html)

- Hipparcos stars
  ESA, 1997, The Hipparcos and Tycho Catalogues, ESA SP-1200
  (http://tdc-www.harvard.edu/software/catalogs/hipparcos.html)

- Selected Messier objects
  Distances and common names taken from the Students for the Exploration and Development of Space (SEDS) Messier Catalog pages. Positions taken from the SIMBAD reference database
  (http://www.seds.org/messier/)

- Milky Way
  Disk radius taken to be 15kpc. Distance to galactic center taken to be 8kpc.

- Local Group
  Data taken from a list of Local Group Member Galaxies maintained by SEDS
  (http://www.seds.org/~spider/spider/LG/lg.html)

- Great Attractor
  Location data from SIMBAD, redshift distance: $cz = 4,350\,\mathrm{km\,s^{-1}}$

- Great Wall
  Contours based on CfA2 redshift Catalog, subset CfA2. The contours are based on galaxies satisfying $-8.5° < \delta < 42.5°$, $120° < \alpha < 255°$, and $0.01 < z < 0.05$ comprising the CfA2's first 6 slices (Geller and Huchra (1989)).
  (http://cfa-www.harvard.edu/~huchra)

- SDSS data
  Plotted from raw SDSS spectroscopy data obtained using David Schlegel's SPECTRO pipeline – spALL.dat file – dated 2003/01/15 with a $z < 5$ inclusion cut applied.
  SDSS quasar data with $z > 5$ provided by Michael Strauss, private communication.
  (http://spectro.princeton.edu/)

- Plotting
  Plotted using SM software by Robert H. Lupton.
  (http://astro.princeton.edu/~rhl/sm)

- Individual quasar data
  SIMBAD database

- Cosmological data
  WMAP Collaboration publications (Bennett et al. (2003))

- WMAP location in space at the time of the map
  Dale Fink, Gary Hinshaw, Hiranya Peiris (2003), personal communication

REFERENCES

K. Abazajian, AJ, in press, astro-ph/0305492 (2003)

Alcock C., Paczynski B., 1979, Nature, 281, 358

Alonso, R., et al. 2004, ApJ, 613, L153

Bahcall, N. A. & Soneira, R. M. 1984, ApJ, 277, 27

Belbruno, E., & Gott, J. R., astro-ph/0405372 (2004)

Bennett, C. L. et al. 2003, ApJS, 148, 1

Blanton, M. R. et al. 2003, ApJ, 592, 819

Blanton, M.R., Lupton, R.H., Maley, F.M., Young, N., Zehavi, I., and Loveday, J. 2003, AJ, 125, 2276

Boeke, K., Cosmic View: The Universe in 40 Jumps, John Day Company, New York (1957)

Bond, I. A., et al. 2004, ApJ, 606, L155

Brown, M. E., Trujillo, C. A., & Rabinowitz, D. L. 2004, IAU Circ., 8304, 1

Michael T. Busha, Fred C. Adams, Risa H. Wechsler, and August E. Evrard, 2003, ApJ, 596, 713

Cole, S., Hatton, S., Weinberg, D. H., & Frenk, C. S. 1998, MNRAS, 300, 945

Colless, M. et al. 2001, MNRAS, 328, 1039

Colley, W. N., Gott, J. R. I., Weinberg, D. H., Park, C., & Berlind, A. A. 2000, ApJ, 529, 795

Connors, M., et al. 2002, M&PS, 37, 1435 (2002)

Connors, M., et al., 35th Lunar and Planetary Science Conference, March 15-19, 2004, League City, Texas, abstract no.1565

Cox, A. N., Allen's Astrophysical Quantities, 4th edition, AIP press, Springer (2000)

Croft, R. A. C., Weinberg, D. H., Bolte, M., Burles, S., Hernquist, L., Katz, N., Kirkman, D., & Tytler, D. 2002, ApJ, 581, 20

de Lapparent, V., Geller, M. J., & Huchra, J. P. 1986, ApJ, 302, L1

De Peyng, R., Amoco Map of Space Mysteries (1958)

Eames, C. and Eames, R.,Powers of Ten (Movie–9.5 minutes), Office of Charles and Ray Eames for IBM (1977)

Eisenstein, D. J. et al. 2001, AJ, 122, 2267

ESA, 1997, The Hipparcos and Tycho Catalogues, ESA SP-1200

Freedman, W. L. et al. 2001, ApJ, 553, 47

Fukugita, M., Ichikawa, T., Gunn, J. E., Doi, M., Shimasaku, K., & Schneider, D. P., AJ, 111, 1748 (1996)

Garnavich, P. M. et al. 1998, ApJ, 509, 74

J. Garriga and A. Vilenkin, Phys. Rev. D 57, 2230 (1998)

Geller, M. and Huchra, J., Science, 246, 897 (1989)

Gnedin, N. Y. & Hamilton, A. J. S. 2002, MNRAS, 334, 107

Krzysztof M. Górski, Eric Hivon, Benjamin D. Wandelt, astro-ph/9812350 (1998)

Gott, J.R., Time Travel in Einstein's Universe, p 175, Houghton Mifflin, New York, 2001.

Gott, J. R., Dickinson, M., & Melott, A. L. 1986, ApJ, 306, 341

Gunn, J. E., et al., AJ, 116, 3040 (1998)

Henry G., Marcy G., Butler P. & Vogt S., IAU telegram 7307, (1999)

Hikage, C. et al. 2002, PASJ, 54, 707

Hogg, D. W., astro-ph/9905116 (1999)

Hogg, D.W., Finkbeiner, D.P., Schlegel, D.J., and Gunn, J.E. 2001, AJ, 122, 2129

Hoyle, F. et al. 2002, ApJ, 580, 663

Kaiser, N. 1987, MNRAS, 227, 1

Kodaira, K. et al. 2003, PASJ, 55, L17

Krauss, L. M. & Starkman, G. D. 2000, ApJ, 531, 22

Kundic, T., et al. 1997, ApJ, 482, 75

A. Linde, Perticle Physics and Inflationary Cosmology (Harwood academic Publishers, Chur, Switzerland) (1990)

Mazeh, T., et al. 2000, ApJ, 532, L55

Morrison, P., Morrison, and the Office of Charles & Ray Eames, Powers of Ten, Scientific American Library, New York. 1982

Park, C. 1990, MNRAS, 242, 59P

Penzias, A. A. & Wilson, R. W. 1965, ApJ, 142, 419

Percival, W. J. et al. 2001, MNRAS, 327, 1297

Perlmutter, S. et al. 1999, ApJ, 517, 565

Pier, J. R., Munn, J. A., Hindsley, R. B., Hennessy, G. S., Kent, S. M., Lupton, R. H., & Ivezić, Ž. 2003, AJ, 125, 1559

Praton, E. A., Melott, A. L., & McKee, M. Q. 1997, ApJ, 479, L15

Richards, G. T. et al. 2002, AJ, 123, 2945

Riess, A. G. et al. 2001, ApJ, 560, 49

Ryden, B. S. 1995, ApJ, 452, 25

Ryden, B. S. & Melott, A. L. 1996, ApJ, 470, 160

Schmidt M., 1963, Nature, 197, 1040

J.C. Slater, J. Chem. Phys. 39, 3199 (1964)

Sloan, C., Fierstein, D., Gott, J. R., Hayes, J., Osserman, R., Weeks, J., The view from Earth (Map), National Geographic, October (1999)

Smith, J.A., et al 2002, AJ, 123, 2121

Smoot, G. F. et al. 1992, ApJ, 396, L1

Snyder, J. P., Flattening the Earth, University of Chicago Press, Chicago (1993)

Spergel, D. N. et al. 2003, ApJS, 148, 175

Steinberg, S., "View of the World from 9th Avenue", New Yorker Cover, May 29, 1976

Stoughton, C., et al 2002, AJ, 123, 485

Strauss, M. A. et al. 2002, AJ, 124, 1810

Teegarden, B. J., et al. 2003, ApJ, 589, L51

Turner, E. L. and Gott, J. R., Ap.J. Supplement, 32, 409 (1976)

United States Naval Observatory Astronomical Almanac, 2003

Verde, L. et al. 2002, MNRAS, 335, 432

Vogeley, M. S., Park, C., Geller, M. J., Huchra, J. P., and Gott, J. R., Ap.J., 420, 525 (1994)

Wolszczan, A. 1994, Science, 264, 538

Wolszczan, A. & Frail, D. A. 1992, Nature, 355, 145

York, D. G., et al., AJ, 120, 1579 (2000)

Table 1. Co-moving radii for different redshifts

z	$r(z)$ (Mpc)	Note
∞	14,283	Big Bang (end of inflationary period)
3233	14,165	Equal matter and radiation density epoch
1089	14,000	Recombination
6	8,422	
5	7,933	
4	7,305	
3	6,461	
2	5,245	
1	3,317	
0.5	1,882	
0.2	809	
0.1	413	