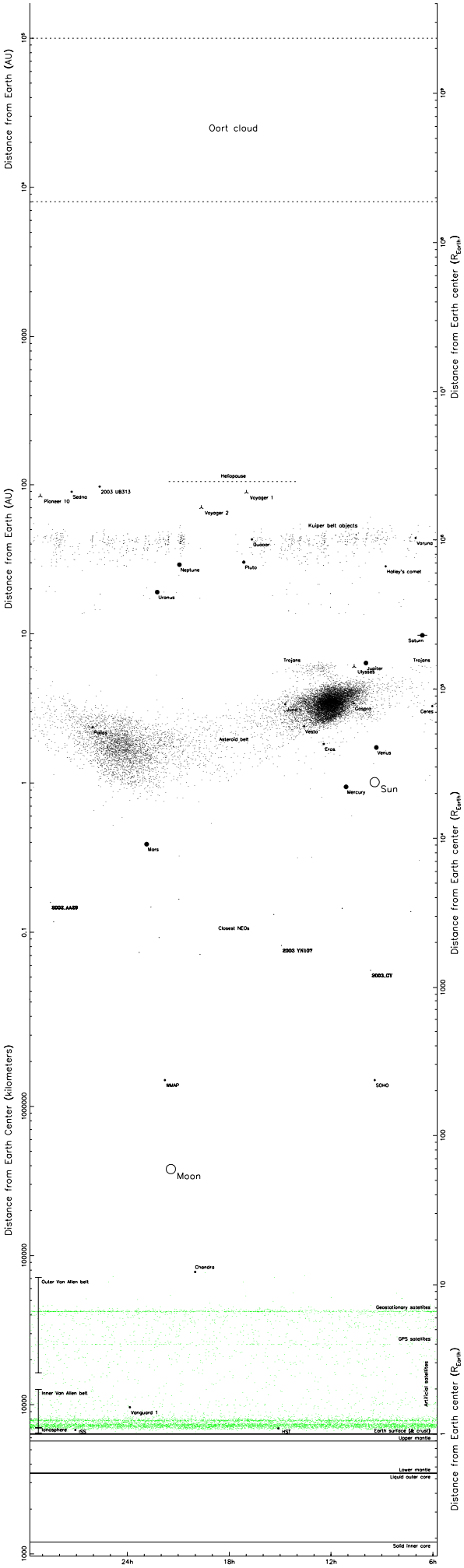
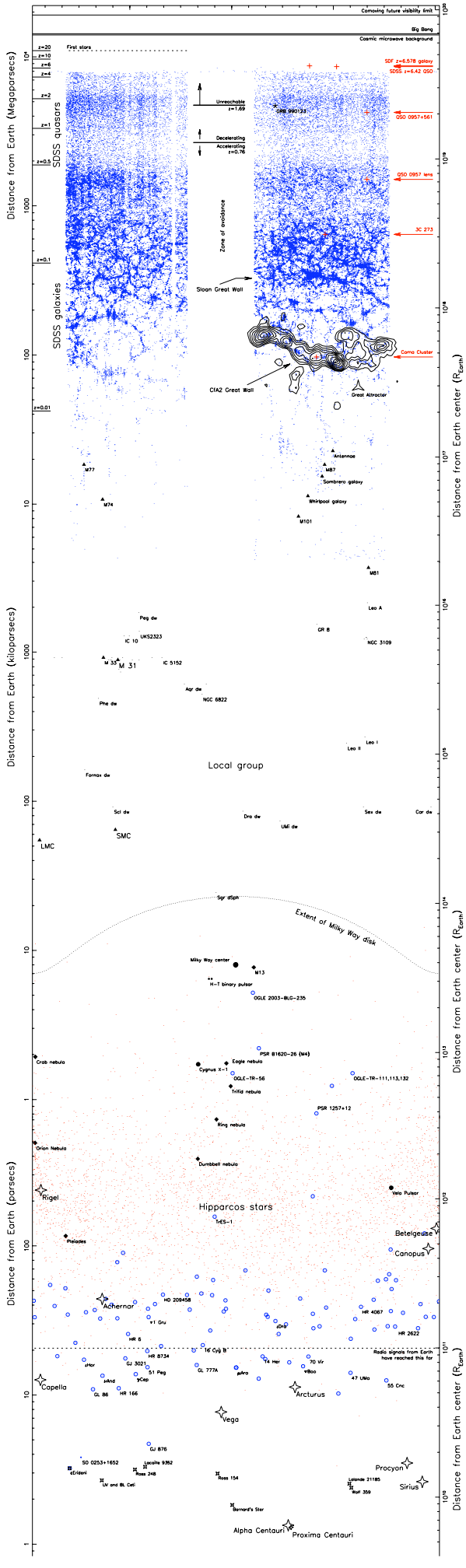

Distance from Earth (AU)
Distance from Earth center (R_{Earth})
Oort cloud
Heliopause
Pioneer 10
Sedna
2003 UB313
Voyager 1
Voyager 2
Kuiper belt objects
Sedna
Varuna
Neptune
Pluto
Haley's comet
Uranus
Saturn
Trojans
Jupiter
Ulysses
Trojans
Ceres
Pallas
Asteroid belt
Vesta
Eros
Venus
Sun
Mercury
Mars
2002 AA29
Closest NEOs
2003 YK107
2003 QY
Distance from Earth Center (kilometers)
WMAP
SOHO
Moon
Chandra
Outer Van Allen belt
Geostationary satellites
GPS satellites
Inner Van Allen belt
Vanguard 1
Artificial satellites
Ionosphere
ISS
HST
Earth surface (& crust)
Upper mantle
Lower mantle
Liquid outer core
Solid inner core
24h
18h
12h
6h


Distance from Earth (Megaparsecs)
Distance from Earth (kiloparsecs)
Distance from Earth (parsecs)
Distance from Earth center (R_{Earth})
Comoving future visibility 6mt
Big Bang
Cosmic microwave background
First stars
SDF z=6.578 galaxy
SDSS z=6.42 QSO
SDSS quasars
Unreachable z=1.69
Decelerating
Accelerating z=0.76
GRB 990123
QSO 0957+561
QSO 0957 lens
Zone of avoidance
3C 273
Sloan Great Wall
SDSS galaxies
Coma Cluster
CfA2 Great Wall
Great Attractor
Antennae
M87
Sombrero galaxy
Whirlpool galaxy
M77
M74
M101
M81
Leo A
Peg dw
GR 8
UKS2323
IC 10
NGC 3109
M 33
M 31
IC 5152
Agr dw
NGC 6822
Phe dw
Leo I
Leo II
Local group
Fornax dw
Scl dw
Dra dw
Sex dw
Car dw
UMi dw
LMC
SMC
Sgr dSph
Extent of Milky Way disk
Milky Way center
M13
H-T binary pulsar
OGLE 2003-BLG-235
PSR B1620-26 (M4)
Crab nebula
Eagle nebula
Cygnus X-1
OGLE-TR-56
OGLE-TR-111,113,132
Trifid nebula
PSR 1257+12
Ring nebula
Orion Nebula
Dumbbell nebula
Rigel
Vela Pulsar
Hipparcos stars
TrES-1
Betelgeuse
Pleiades
Canopus
Achernar
HD 209458
HR 4067
HR 2622
HR 8
HR 8734
16 Cyg B
Radio signals from Earth have reached this far
GJ 3021
51 Peg
GL 777A
70 Vir
47 UMa
55 Cnc
Capella
GL 86
HR 166
Arcturus
Vega
GJ 876
SO 0253+1652
Lacaille 9352
Procyon
Ross 248
Ross 154
Lalande 21185
Sirius
Wolf 359
LV and BL Ceti
Barnard's Star
Alpha Centauri
Proxima Centauri