

FORECAST OF UPCOMING ANNIVERSARIES -- NOVEMBER 2012

55 Years Ago - 1957

November 3: Sputnik 2 launched, carried dog "Laika", 0224 UTC. Baikonur, USSR

50 Years Ago - 1962

November 9: X-15, No. 2, piloted by John B. McKay crashed, Dryden Flight Research Center (DFRF), CA.

November 16: SA-3 (Saturn I rocket) launched, 12:45 pm., EST, Cape Canaveral, Fla.

45 Years Ago - 1967

November 5: ATS 3 launched by Atlas Agena, 6:37 p.m., EST, Cape Canaveral, Fla.

November 7: Surveyor 6 launched by Atlas Centaur, 2:39 a.m., EST, Cape Canaveral, Fla.

November 9: Apollo 4 launched, 7:00 a.m., EST, KSC. First successful launch and flight of Saturn V launch vehicle.

November 10: ESSA 6 launched by Thor Delta, 2:53 p.m., EST, Vandenberg AFB.

November 10: The Applications Technology Satellite (ATS-3) sent us the first pictures of the entire globe of the Earth.

November 15: X-15, No. 3 piloted by Major Michael J. Adams crashed, Dryden Flight Research Center (DFRF), CA.

November 29: Wresat 1 launched 4:49 UTC at Woomera, first Australian satellite.

40 Years Ago - 1972

November 9: Anik 1 (Telesat 1) launched by Delta, 8:14 p.m., EST, Cape Canaveral, Fla.

November 16: Explorer 48 (aka SAS-2 or B) launched by Scout, 5:13 p.m., EST (November 15 EST) San Marco Facility, Kenya, Indian Ocean.

35 Years Ago - 1977

November 23: Meteosat 1 launched by Delta, 8:35 p.m., EST, Cape Canaveral, Fla.

30 Years Ago - 1982

November 11: STS-5 (Space Shuttle *Columbia*) launched, 7:19 a.m., EST, KSC. Crew: Vance D. Brand, Robert F. Overmyer, Joseph P. Allen, and William B. Lenoir. First Shuttle operational mission deployed two commercial communications satellites, SBS 3 for Satellite Business Systems and Anik C 3 (Telesat 5) for Telesat Canada. Landed November 16, 6:33 a.m., PST, Edwards Air Force Base (EAFB), CA.

25 Years Ago - 1987

November 24: NASA released a report to the Congress on an extended-duration Space Shuttle orbiter. The report examined key aspects of a program that would allow the Shuttle to perform Earth-orbital missions for as long as 16 days.

20 Years Ago - 1992

November 8: Germany launched the Maxus sounding rocket from Kiruna, Sweden. The Maxus Program was the result of collaboration between Germany and Sweden that was sponsored by the European Space Agency. The rocket's payload allowed for up to eight microgravity experiments to be conducted in 12 to 13 minutes.

15 Years Ago – 1997

November 19: STS-87 (Space Shuttle *Columbia*) launched, 2:46 p.m. EST, KSC. Crew: Steven W. Lindsey, Kevin R. Kregel, Winston E. Scott, Kalpana Chawla, Takao Doi (Japan), and Leonid K. Kadenyuk (Ukraine). Carried United States Microgravity Payload (USMP-4). Landed December 5, 7:20 a.m. EST, KSC. Mission Duration: 15 days, 16 hours, 35 minutes.

10 Years Ago – 2002

November 23: STS-113 (Space Shuttle *Endeavour*) launched 7:50 p.m. EST, KSC. Crew: Paul Lockhart, James B. Wetherbee, Michael E. Lopez-Alegria, John B. Herrington, Kenneth B. Bowersox, Donald R. Pettit and cosmonaut Nikolai M. Budarin. International Space Station (ISS) Flight 11A. Delivered P1 (P-One) Truss and exchanged the Expedition Five and Six crews. Landed Dec. 7 at 2:37 p.m. EST, KSC. Mission Duration: 13 days, 18 hours, 47 minutes.

November 26: NASA set a world record for the largest balloon successfully launched, when it flew a 60 million cubic foot balloon carrying a 1,500 pound scientific payload to the fringes of space.

5 Years Ago – 2007

November 7: Japan's Selene lunar orbiting spacecraft Selene (or Kayuga) captured first high definition photos of Earth rise and Earth set.