

FORECAST OF UPCOMING ANNIVERSARIES -- NOVEMBER 2013

90 Years Ago – 1923

November 18: Alan Shepard born, East Dery, NH.

55 Years Ago -- 1958

November 7: Last flight in X-1E model by NASA research pilot John McKay.

November 8: Pioneer 2 (second US-IGY space probe) launched by Thor Able. Failed. Reached altitude of 963 miles, 2:30 a.m., EST, Cape Canaveral, Fla.

November 26: Project Mercury designation officially approved.

November 24: The beginnings of the UN Ad Hoc Committee on the Peaceful Uses of Outer Space (COPUOS).

50 Years Ago - 1963

November 11: First off-the-pad abort test of the Apollo launch escape system successfully tested at White Sands Missile Range, NM. – Apollo Boilerplate #6.

November 22: First live transmission of TV signals across Pacific via communications satellite by Relay 1. Assassination of President John F. Kennedy.

November 26: Explorer 18 – launch by Thor Delta of first interplanetary monitoring platform to observe interplanetary space at 02:24:00 UTC, Cape Canaveral, Fla.

November 27: First successful use of liquid hydrogen as a rocket fuel in space. Atlas-Centaur stage entered orbit, after launch from Cape Canaveral, Fla, 2:03 p.m., EST.

November 29: Cape Canaveral renamed Cape Kennedy by Executive Order Number 11129 signed by President Lyndon Johnson.

45 Years Ago – 1968

November 8: Pioneer 9/TETR 2 launched by Thor Delta, 4:46 a.m., EST, Cape Canaveral, Fla.

November 10: Zond 6 launched by Proton K from Baikonur at 19:11:31 UTC.
(Soviet Circumlunar Flight)

40 Years Ago – 1973

November 1: First flight of supercritical wing on F-111, DFRF, CA.

November 3: Mariner 10 -- (Venus & Mercury Flyby Mission) launched by Atlas Centaur from Cape Canaveral at 05:45 UTC.

First spacecraft to explore the planet Mercury.

First spacecraft to use gravitational pull of one planet (Venus) to reach another (Mercury).

November 6: NOAA 3 launched by Delta, 12:02 p.m., EST, Vandenberg AFB.

November 16: Skylab 4 launched by Saturn 1B, 9:01 p.m., EST, KSC. Last manned flight of Skylab program. Astronauts Gerald P. Carr, Edward G. Gibson, and William R. Pogue.

35 Years Ago -- 1978

November 13: HEAO 2 launched by Atlas Centaur, 12:24 a.m., EST, Cape Canaveral, Fla.

November 18: NATO III C launched by Delta, 7:46 p.m., EST, Cape Canaveral, Fla.

30 Years Ago -- 1983

November 28: STS-9 (Space Shuttle *Columbia*) (Spacelab 1) launched, 11:00 a.m., EST, KSC. Fifth flight of space shuttle Columbia. Astronauts John W. Young, Brewster H. Shaw, Owen K. Garriott, Robert A. Parker, Byron K. Lichtenberg, and Ulf Merbold (Germany), the first non-American to fly on the Space Shuttle. Landing: December 8 at Edwards Air Force Base (EAFB) Calif., 3:47 a.m., PST. Mission Duration: 10 days, 7 hours, 47 minutes.

25 Years Ago -- 1988

November 15: Buran Launch (Soviet Space Shuttle). On Energiya rocket (2nd flight) from Baikonur at 03:00:02 UTC. Unmanned.

November 26: USSR launches Soyuz TM-7 aboard Soyuz rocket from Baikonur at 15:49:34 UTC. Ferry flight to Mir space station. Crew: Alexander A. Volkov, Sergei K. Krikalev, and Jean-Loup Chrétien (France).

15 Years Ago -- 1998

November 14: Intelsat 8 (Panamsat 8) launched on Proton K rocket from Baikonur at 05:12 UTC.

November 20: Zarya, first module of the International Space Station (ISS) launched on a Proton K rocket from Baikonur at 06:40 UTC.

November 22: Galileo, Europa 18 Flyby.

5 Years Ago -- 2008

November 15: STS-126 (Space Shuttle *Endeavour*) launched, 7:55 p.m., EST, KSC. Crew: Christopher J. Ferguson, Eric A. Boe, Sandra H. Magnus, Stephen G. Bowen, Donald R. Pettit, Robert S. (Shane) Kimbrough and Heidemarie M. Stefanyshyn-Piper. Delivered construction materials and equipment to the International Space Station (ISS). The main objectives were to enhance the facility to accommodate six astronauts (instead of the current three), install an additional bathroom and a urine processor to produce drinking water. Also conducted were four spacewalks to repair the solar array orientation joints. Landing: Nov. 30, Edwards Air Force Base (EAFB), Calif., 4:25 p.m. EST. Mission Duration: 15 days, 20 hours, 29 minutes.