

FORECAST OF UPCOMING ANNIVERSARIES--SEPTEMBER 2012

160 Years Ago - 1857

September 5: Konstantin E. Tsiolkovskiy born in village of Izhevsk, Spassk County. Ryazan Province. Research done in Kaluga, USSR.

65 Years Ago - 1947

September 6: V2 fired from deck of USS Midway, near Bermuda.

September 25: First launch Aerobee, White Sands, NM.

50 Years Ago – 1962

September 12: President John F. Kennedy's address at Rice University on the nation's space effort. In this well-known speech, Kennedy stated that we explore space not because it is easy but because it is difficult.

September 18: Tiros 6 launched by Thor Delta, 4:53 a.m., EDT, Cape Canaveral, Fla.

September 28: Alouette 1 launched, by Thor Agena, 2:05 a.m., EDT, Vandenberg AFB. Although launched by the U.S., it became the first satellite operated by a country (Canada) other than the USSR or the United States.

45 Years Ago - 1967

September 7: Biosatellite 2 launched by Thor Delta, 6:04 p.m., EDT, Cape Canaveral, Fla.

September 8: Surveyor 5 launched by Atlas Centaur, 13:47 a.m., EDT, Cape Canaveral, Fla.

September 28: Intelsat 2 F4 launched aboard Delta rocket from Cape Canaveral at 8:45 p.m. EDT.

40 Years Ago – 1972

September 22: Explorer 47 (IMP 7) launched by Delta, 9:20 p.m., EDT, Cape Canaveral, Fla.

35 Years Ago – 1977

September 5: Voyager 1 launched at 8:56 a.m., EDT from Cape Canaveral on a Titan IIIE-Centaur launch vehicle.

September 29: USSR launched Salyut-6 space station aboard Proton K rocket from Baikonur at 06:50 UTC.

30 Years Ago – 1982

September 27: Intelsat 5 F5 launched aboard Atlas Centaur from Cape Canaveral at 7:41p.m., EDT.

25 Years Ago – 1987

September: Ariane 3 launches Aussat-3 and Eutelsat 4 satellites from Kourou, French Guiana - significant because the Ariane rocket program had been grounded 16 months after a 1986 launch failure.

20 Years Ago - 1992

September 12: STS-47 (Space Shuttle *Endeavour*) lifted off, 10:23 a.m., EDT, KSC. Crew: Robert L. "Hoot" Gibson, Curtis L. Brown, Jr., Mark C. Lee, Jerome "Jay" Apt, N. Jan Davis, and Mae C. Jemison. Payload specialist: Mamoru Mohri (Japan). Mae C. Jemison becomes first African-American woman in space. Mamoru Mohri first Japanese astronaut to fly on Space Shuttle. Mark C. Lee and N. Jan Davis first married couple in space together. Landed September 20, 8:53 a.m., EDT, KSC. Mission Duration: 7 days, 22 hours, 30 minutes.

September 25: Mars Observer launched on Titan III, 1:05 pm., EDT, Cape Canaveral, Fla. Spacecraft fell silent Aug. 21, 1993, three days before it would have entered Mars orbit.

15 Years Ago – 1997

September 23: Launch of Intelsat 803 aboard Ariane 42LP rocket from Kourou, French Guiana, at 23:58:00 UTC.

September 25: STS-86 (Space Shuttle *Atlantis*) launched from KSC at 10:34 p.m. EDT. Crew: James D. Wetherbee, Michael J. Bloomfield, Vladimir G. Titov (Russia), Scott E. Parazynski, Jean-Loup J.M. Chrétien (France), Wendy B. Lawrence, and David A. Wolf. Docked with Mir and exchanged David Wolf for Michael Foale who returned with the rest of the crew. Landed at KSC, October 6 at 5:55 p.m., EDT. Mission Duration: 10 days, 19 hours, 20 minutes.

10 Years Ago – 2002

September 6: Launch of Intelsat 906 aboard Ariane 44L rocket from Kourou, French Guiana at 06:44:00 UTC.

5 Years Ago – 2007

September 18: WorldView 1, a U.S. commercial (DigitalGlobe) imaging satellite, was launched by a Delta 2 rocket from Vandenberg AFB at 2:35 EDT. The camera is a panchromatic imaging system featuring half-meter resolution imagery. The National Imagery and Mapping Agency (NIMA) is among the primary customers.

September 14: Kaguya, a Japanese (JAXA) lunar orbiter, also known by its pre-launch name SELENE (for SELEnological and ENgineering Explorer), was launched by a H-2A rocket from Tanegashima Island at 01:31 UTC. Kaguya entered lunar orbit on October 3 and subsequently deployed two subsatellites.

September 27: Dawn was launched by a Delta 2 rocket from Cape Canaveral at 8:34 a.m. EDT. It is to visit two nearby asteroids, Vesta (between August 2011 and May 2012) and Ceres (by February 2015), and transmit multi-color images of them.