Timeline of the Space Race

Date	Event	Actor
Oct. 4, 1957	Sputnik 1, the first human made object to orbit the Earth, was	USSR
	launched by the USSR. It remained in space until January 4,	
	1958.	
Nov. 3, 1957	Sputnik 2, carrying a dog, was launched by the USSR. It	USSR
	remained in orbit until April 13, 1958.	
Jan. 31, 1958	Explorer 1, the first U.S. satellite in orbit, was launched into	USA
	space. It discovered the Earth's radiation belt.	
Mar. 5, 1958	Explorer 2 was launched and failed to reach orbit.	USA
Mar. 17, 1958	Vanguard 1 satellite was launched into orbit. Although	USA
	communication with it was lost in 1964, it remains the oldest	
	human made satellite still in orbit.	
May 15, 1958	Sputnik 3 was launched by the USSR.	USSR
Oct. 1, 1958	NASA was founded.	USA
Oct. 11, 1958	Pioneer 1 became the first launch by NASA.	USA
Jan. 2, 1959	Luna 1, the first human made satellite to orbit the moon, was	USSR
	launched by the USSR.	
Mar. 3, 1959	Pioneer 4 was launched and fell into a solar orbit, becoming the	USA
	first U.S. sun orbiter.	
Sept. 12, 1959	Luna 2 was launched and hit the moon on September 13,	USSR
	becoming the first human made object to hit the moon.	
Oct. 4, 1959	Luna 3 translunar satellite was launched, orbiting the moon and	USSR
	photographing 70 percent of the far side of the moon.	
Apr. 1, 1960	Tiros 1, the first successful weather satellite was launched by	USA
	the United States.	
Aug. 18, 1960	Discoverer XIV launched the first U.S. camera equipped	USA
	Corona spy satellite.	
Apr. 12, 1961	Vostok 1 was launched by the USSR, carrying cosmonaut Yuri	USSR

	A. Gargarin, the first man in space. He orbits the Earth once.	
May 5, 1961	Mercury Freedom 7 carried Alan Shepard, the first U.S.	USA
	astronaut into space in a suborbital flight.	
Aug. 6, 1961	Vostok 2 was launched by the USSR carrying Gherman Titov,	USSR
	the first day long Soviet space flight.	
Feb. 20, 1962	Mercury Friendship 7 took off with John Glenn, Jr. the first	USA
	American in orbit, and orbited the Earth three times.	
May 24, 1962	Mercury Aurora 7 was launched with M. Scott Carpenter,	USA
	making three orbits.	
July 10, 1962	Telstar 1, U.S. satellite, beamed the first live transatlantic	USA
	telecast.	
Dec. 14, 1962	U.S. Mariner 2, the first successful planetary spacecraft flew	USA
	past Venus, and entered a solar orbit.	
June 16, 1963	Vostok 6 carried Valentia Tereshkova, the first woman in space	USSR
	and orbited the Earth 48 times.	
July 31, 1964	U.S. Ranger 7 relayed the first close-range photographs of the	USA
	Moon.	
Mar. 18, 1965	The first space walk was made from Soviet Vostok 2 by Alexei	USSR
	A. Leonov. Duration was 12 minutes.	
Mar. 23, 1965	First staffed flight of the Gemini program, Gemini 3 carrying	USA
	Virgil I. Grissom and John W. Young. It made three orbits	
	around the Earth.	
Mar. 24, 1965	Ranger 9 transmited high-quality images of the moon, many of	USA
	which were shown live in the first television spectacular about	
	the moon.	
June 3, 1965	Edward White made the first U.S. space walk from Gemini 4.	USA
	Duration was 22 minutes.	
July 14, 1965	U.S. Mariner 4 returned the first close-range images of Mars.	USA
Nov. 16, 1965	Soviet Venus 3 was launched, becoming the first craft to hit	USSR
	Venus on March 1, 1966.	

	Gemini 7 was launched carrying Frank Borman and James A.	USA
L	Lovell, Jr., making 206 orbits around Earth and proving a trip to	
tł	he Moon possible.	
Dec. 15, 1965 A	American astronauts Walter Schirra, Jr. and Thomas Stafford in	USA
G	Gemini 5 made the first space rendezvous with Gemini 7.	
Feb. 3, 1966 S	Soviet Luna 9 was the first spacecraft to soft-land on the moon.	USSR
Mar. 1, 1966 S	Soviet Venera 3 hit Venus, the first spacecraft to reach another	USSR
p.	planet. It failed to return data.	
March 1966 S	Soviet Luna 10 was the first spacecraft to orbit the moon.	USSR
June 2, 1966 S	Surveyor 1 was the first U.S. spacecraft to soft-land on the	USA
N	Moon.	
Aug. 14, 1966 U	J.S. Lunar Orbiter 1 entered moon orbit and took the first	USA
p.	picture of the Earth from the distance of the moon.	
Apr. 23, 1967 S	Soviet Soyuz 1 was launched, carrying Vladimir M. Komarov.	USSR
0	On April 24 it crashed, killing Komarov, the first human space	
fl	light fatality.	
Oct. 18, 1967 V	Venera 4 sent a descent capsule into the atmosphere of Venus,	USSR
re	eturning data about its composition.	
Sept. 15, 1968 S	Soviet Zond 5 was launched, the first spacecraft to orbit the	USSR
N	Moon and return.	
Oct. 11, 1968 A	Apollo 7 was the first staffed Apollo mission with Walter M.	USA
S	Schirra, Jr., Donn F. Eisele, and Walter Cunningham. It orbited	
th	he Earth once.	
Dec. 21, 1968 A	Apollo 8 was launched with Frank Borman, James A. Lovell,	USA
Jı	r., and William A. Anders, the first Apollo to use the Saturn V	
ro	rocket, and the first staffed spacecraft to orbit the moon, making	
10	0 orbits on its 6-day mission.	
Jan. 1969 S	Soyuz 4&5 perform the first Soviet spaceship docking.	USSR
July 20, 1969 N	Neil Armstrong and Edwin Aldrin, Jr. made the first staffed soft	USA
la	anding on the moon and the first moonwalk, using Apollo 11.	

Mars, concentrating on the equatorial region. Aug. 5, 1969 Mariner 7 returned high-resolution images of the surface of Mars, concentrating on the southern hemisphere. April 11, 1970 Apollo 13 was launched, suffering an explosion in its SM oxygen tanks. Its moon landing was aborted and the crew, James A. Lovell, Jr., John L. Swigert, Jr., and Fed W. Haise, Jr., returned safely. Sept. 12, 1970 Soviet Luna 16 was launched, conducting the first successful return of lunar soil samples of an automatic spacecraft. Nov. 17, 1970 Luna 17 landed on the moon, with the first robot, Lunokhod 1. Dec. 15, 1970 Soviet Venera 7 was the first probe to soft-land on Venus. Jan. 31, 1971 Apollo 14 moon mission was launched by the United States with Alan Shepard. They explore the moon and transport lunar material. Shepard becomes the first person to hit a golf ball on the moon.
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the moon.
Apr. 19, 1971 Salyut 1 space station was launched by the USSR. It remained USSR
in orbit until May 28, 1973.
May 30, 1971 The United States launched Mariner 9, which became the first USA
spacecraft to survey Mars from orbit.
June 6, 1971 Soyuz 11 carried G.T. Dobrovolsky, V.N. Volkov, and V.I. USSR
Patsayev to Salyut 1, the first occupancy of an orbital station.
However, on June 29 th the passengers died upon Soyuz 11's
reentry.
July 30, 1971 Apollo 15 astronauts David Scott and James Irwin drove the USA
first moon rover.
Nov. 13, 1971 American Mariner 9 was the first spacecraft to orbit another USA
planet, Mars.
Mar. 2, 1972 Pioneer 10 was launched toward Jupiter, designed to familiarize USA
alien life with humans. It returned the first close-up images of

	Jupiter in 1973.	
July 15, 1972	Pioneer 10 became the first human made object to travel	USA
	through the asteroid belt.	
April 5, 1973	Pioneer 11 was launched flying past Jupiter in 1974 and Saturn	USA
	in 1979 where it discovered new rings.	
May 14, 1973	Skylab workshop was launched by the United States.	USA
May 25, 1973	First crew to Skylab was launched, repairing damage that	USA
	occurred during launch.	
Nov. 3, 1973	American Mariner 10 was launched, on the first dual planet	USA
	mission. Over the next year, it returned photographs of Venus	
	and Mercury.	
May 17, 1974	NASA launched the first Synchronous Meteorological Satellite.	USA
June 24, 1974	Soviet Salyut 3, their first military space station, was launched.	USSR
	It remained in orbit until Feb. 2, 1977.	
July, 1975	American Apollo 18 and Soviet Soyuz 19 docked.	USA and
		USSR
Oct. 1975	Soviet Venera 9 and 10 sent the first pictures of Venus to Earth.	USSR
June 22, 1976	Soviet military space station Salyut 5 is launched, remaining in	USSR
	orbit until August 8, 1977.	
July 20, 1976	Pictures of the Martian surface were taken by Viking 1, the first	USA
	U.S. attempt to soft land a spacecraft on another planet.	
Sept. 3, 1976	Viking 2 landed on Mars on the Plain of Utopia where it	USA
	discovered water frost.	
Aug./Sept.	Voyagers 1 and 2 left Earth to meet with Jupiter in 1979 and	USA
1977	Saturn in 1980.	
Sept. 29, 1977	Soviet Salyut 6 space station was launched.	USSR
Nov. 1978	The Einstein Observatory began its 30 day mission.	USA
Dec. 1978	Two Pioneer spacecraft reached Venus. One dropped four	USA
	probes into the atmosphere while the other mapped the surface.	
Sept. 1, 1979	Pioneer 11 reached Saturn, flying to within 13,000 miles and	USA

	taking the first close-up photographs.	
Apr. 12, 1981	The first mission of the Space Transportation System,	USA
	Columbia, was launched.	
June 19, 1981	The European Space Agency (ESA) launched its third Ariane	ESA
	rocket.	
Dec. 20, 1981	The ESA launched a fourth Ariane rocket.	ESA
Mar. 1, 1982	Venera 13 landed on Venus, and provided the first oil analysis.	USSR
Apr. 19, 1982	Soviet Salyut 7 space station was launched.	USSR
May 13, 1982	Soviet Soyuz T-5 was launched to rendezvous with Salyut 7, the	USSR
	first team to inhabit the space station.	
Aug. 1982	Voyager 2 completed its flyby of Saturn.	USA
Nov. 11, 1982	The space shuttle Columbia's 5 th mission, its first operational	USA
	one, began, deploying two satellites.	
Apr. 4, 1983	The space shuttle Challenger lifted off for its first mission and	USA
	had the first American space walk in nine years.	
June 19, 1983	Sally Ride became the first U.S. woman to travel in space.	USA
Oct. 10, 1983	Soviet Venera 15 returned the first high-resolution images of	USSR
	the Venus polar area, and compiled a thermal map of the most	
	of the northern hemisphere.	
Nov. 28, 1983	The space shuttle Columbia carried the ESA Spacelab-1 into	USA, ESA
	orbit.	
JanNov. 1983	The Infrared Astronomical Satellite found new comets,	USA, UK,
	asteroids, galaxies and a dust ring around the star Vega that may	Netherlands
	be new planets.	
Feb. 3, 1984	Bruce McCandless took the first untethered space walk from the	USA
	space shuttle Challenger.	
July 17, 1984	Soyuz 12 was launched carrying Svetlana Saviskaya, who	USSR
	became the first woman to walk in space.	
Aug. 30, 1984	The third space shuttle, Discovery, took off on its maiden	USA
	voyage.	
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Oct. 1984	Salyut 7's crew set a 237-day record in space.	USSR
Oct. 5, 1984	Launch of space shuttle Challenger mission STS-41G carrying	USA
	the first crew with two women—Sally Ride and Katherine	
	Sullivan. Sullivan became the first American woman to walk in	
	space.	
Dec. 1984	Soviet/International Vega 1&@ were launched, dropping probes	USSR
	into Venus' atmosphere before continuing to Halley's Comet.	
Jan. 8, 1985	The Sakigake probe was launched by Japan's Institute of Space	Japan
	and Aeronautical Science, becoming the first interplanetary	
	probe as it rendezvous with Halley's Comet.	
Apr. 29, 1985	The Challenger carried the ESA spacelab-3 into orbit.	USA and
		ESA
July 2, 1985	The ESA launched the Giotto spacecraft from an Ariane rocket.	ESA
Oct. 3, 1985	The fourth space shuttle Atlantis took off on its first mission.	USA
Oct. 1985	Spacelab D1, the first joint German/ESA mission, was flown.	Germany,
		ESA
Jan. 1986	Voyager 2 flew past Uranus	USA
Jan. 28, 1986	The space shuttle Challenger exploded shortly after liftoff of	USA
	mission STS.	
Feb. 20, 1986	The core unit of Soviet space station Mir was launched.	USSR
March, 1986	Spacecraft from the USSR, Japan and Western Europe flew by	USSR,
	Halley's Comet on its 30 th recorded appearance.	Japan, ESA
Dec. 1987	Yuri Romanenko returned from space station Mir, having	USSR
	arrived there from Soyuz TM 2 and set a record of 326 days in	
	space.	
May 4, 1989	Space Shuttle Atlantis was launched, deploying the spacecraft	USA
	Magellan.	
July 12, 1989	Soviet/International Phobos 2 launched, which orbited Mars to	USSR
	study its surface, atmosphere and magnetic field.	
Oct. 18, 1989	U.S. launched the Galileo spacecraft from Shuttle Atlantis flight	USA

	STS-34 which took infrared images of Venus and images of	
	asteroid Ida before continuing to Jupiter.	
April 5, 1990	U.S. Pegasus rocket was deployed from a B-52 bomber, and	USA
	launched the Pegsat satellite in the first demonstration of the	
	Pegasus launch vehicle.	
April 24, 1990	Space Shuttle Discovery launches on STS-31, deplolying the	USA
	Hubble Space Telescope astronimcial observatory.	
Aug. 1990	U.S. spacecraft Magellan arrives at Venus where for the next	USA
	year it took radar images of the surface.	
Oct. 6, 1990	Space Shuttle Discovery launched the Ulysses spacecraft with	USA
	two upper stages, on mission STS-41. Ulysses flew toward	
	Jupiter, to be slingshot towards the sun, to obtain data from high	
	solar latitudes.	
Feb. 7, 1991	Salyut 7 fell from orbit and burned up over Argentina.	USSR
Apr. 5, 1991	Space Shuttle Atlantis carried the Compton Camma Ray	USA
	Observatory into orbit. This new space telescope, built by	
	NASA, was the first to provide an all-sky continuous survey in	
	the gamma-ray and X-ray spectra.	
June 5, 1991	Shuttle Columbia carried the Spacelab SLS-1 into orbit, to	USA
	conduct investigations into the effects of weightlessness on	
	humans.	