

# NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

## BIOGRAPHICAL DATA SHEET

**NAME:** Jean-Loup J.M. Chrétien

**ORAL HISTORY:** 2 May 2002  
8 May 2002

### **EDUCATIONAL BACKGROUND:**

M.S. in Aeronautical Engineering, L'Ecole Militaire de l'Air (French Air Force Academy), Salon de Provence, France, 1961

### **PRE-NASA EXPERIENCE:**

French Air Force (1959-1999)

- Lieutenant, Fighter Pilot/Pilot-Engineer, 5th Fighter Operational Squadron, Orange, France (1962- 1970)
- Flight Training, Ecole du Personnel Navigant d'Essais et de Reception (EPNER-French Test Pilot School), Istres, France (1970-71)
- Test Pilot, Istres Flight Test Center, Istres, France (1971-1977)
- Deputy Commander, South Air Defense Division, Aix en Provence, France (1977-1980)
- Detailed to Centre National d'Études Spatiales (CNES - French National Space Studies Center), Paris, France (1980-2001)
- International Cosmonaut Training, Yuri Gagarin Cosmonauts Training Center, Star City, Russia (1980-82)
- Cosmonaut Researcher, joint Soviet-French spaceflight, Soyuz T-6 to Salyut 7 (June 24, 1982)
- Chief, CNES Astronaut Office, Paris, France (1983-1985)
- Chief, CNES Manned Spaceflight Division, Paris, France (1985-86)
- International Cosmonaut Training, Yuri Gagarin Cosmonauts Training Center, Star City, Russia (1986-1988)
- Cosmonaut Researcher, joint Soviet-French spaceflight, Soyuz TM-7 to Mir 1 (November 26, 1988)
- Pilot Training, Energia-Buran Reusable Space System (Buran- Soviet Space Shuttle), Joukovski Institute, Moscow, Russia (1990-93)
- Retired as Brigadier-General (1999)
- Transferred from CNES to NASA (2001)

### **NASA EXPERIENCE:**

NASA Johnson Space Center, Houston, TX (1984-85; 1995-2001)

- Back-up Payload Specialist, Astronaut Office, Flight Crew Operations Directorate (1984-85)
- CNES consultant to NASA (1995-98)

- Astronaut, Astronaut Office, Flight Crew Operations Directorate (1995-2001)
- Retired from NASA (2001)

**POST-NASA EXPERIENCE:**

Titronics Software Company (2001-present)

**MISSIONS:**

STS-86 (*Atlantis*)

- Crew: Commander James D. Wetherbee, Pilot Michael J. Bloomfield, Mission Specialist 1 Vladimir G. Titov (RSA), Mission Specialist 2 Scott E. Parazynski, Mission Specialist 3 Jean-Loup J.M. Chrétien (CNES), Mission Specialist 4 Wendy B. Lawrence, Mission Specialist 5 (up) David A. Wolf, Mission Specialist 5 (down) C. Michael Foale
- Launched: 25 September 1997 at 10:34:19 P.M. EDT from Kennedy Space Center, FL
- Duration: 10 days, 19 hours, 22 minutes, 12 seconds
- Landed: 6 October 1997 at 5:55:09 P.M. EDT, Kennedy Space Center, FL
- Mission Highlights: The seventh Mir docking mission carried a SPACEHAB double module to house experiments and support five days of docked operations including cargo transfer and the exchange of American crew members Foale and Wolf. Parazynski and Titov conducted a five-hour Extravehicular Activity (EVA)- the first U.S. spacewalk to include participation by a foreign astronaut- to retrieve four Mir Environmental Effects Payloads (MEEPs). They also tethered a solar array cap to the exterior of the Mir Docking Module and tested the Simplified Aid for EVA Rescue (SAFER), a small jet backpack. Other payloads onboard included SEEDS-II, KIDSAT, Commercial Protein Crystal Growth (CPGG), Cosmic Radiation Effects and Activation Monitor (CREAM), Cell Culture Module-A (CCM-A), Radiation Monitoring Equipment III (RME-III), and Shuttle Ionospheric Modification with Pulsed Local Exhaust (SIMPLEX).

**AWARDS & CITATIONS:**

- Hero of the Soviet Union
- Order of Lenin
- Order of the Red Banner of Labor
- Commandeur de la Légion d'Honneur (Commander of the Order of the Legion of Honor)
- Chevalier de l'Ordre National du Mérite (Knight of the National Order of Merit)
- Médaille de l'Aéronautique (Aeronautics Medal)
- Honorary citizenship of Arkalyk, Kazakhstan

**REFERENCES:**

Douglas B. Hawthorne, Men and Women of Space (San Diego: Univelt, 1992), 141-42.

Jean-Loup Chrétien NASA Biographical Data Sheet (May 2000), Jean-Loup Chrétien Key Personnel File, Awards Office, NASA Lyndon B. Johnson Space Center, Houston, TX.

Mike Shayler, "Astro Info Chrétien Profile," Astro Info Service Homepage, Online, <http://www.astroinfoservice.co.uk/biogs/chretien.html> (Last Updated 21 January 2002; Accessed 16 April 2002).

NASA News Release, "Four NASA Astronauts Decide to End Spaceflight Careers," Spaceflight Now Homepage, Online, <http://spaceflightnow.com/news/n0111/04astroretire/> (Article Dated 4 November 2001; Accessed 16 April 2002).

"Shuttle Mir Mission-07," Space Shuttle Mission STS-86 Press Kit, Online, <http://science.ksc.nasa.gov/shuttle/missions/sts-86/sts-86-press-kit.html> (Last Updated n.d.; Accessed 16 April 2002).

"Shuttle Mission Archive," Kennedy Space Center Public Affairs Office Homepage, Online, <http://www-pao.ksc.nasa.gov/kscpao/shuttle/missions/sts-86/mission-sts-86.html> (Last Updated 28 September 2000; Accessed 16 April 2002).

"STS-86 (87)," NASA Space Shuttle Launches Homepage, Online, <http://science.ksc.nasa.gov/shuttle/missions/sts-86/mission-sts-86.html> (Last Updated 31 May 2000; Accessed 16 April 2002).

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