



# GMV to provide flight dynamics system for NASA JPL mission

## GMV Flight Dynamics Software to Support First JPL Mission; Sale of Operational Flight Dynamics Software to Orbital

Rockville, Md. November 7, 2006 – GMV announced today that its low-Earth orbit (LEO) flight dynamics product, *focusLEO*, has been selected by Orbital Sciences Corporation (NYSE:ORB) to support the Orbiting Carbon Observatory (OCO), a mission to measure carbon dioxide in the Earth's atmosphere managed by NASA's Jet Propulsion Laboratory (JPL). Orbital will provide the OCO project's spacecraft and real-time mission operations. This is the first opportunity for GMV, a global satellite ground segment software company with a US subsidiary located in Rockville, Md., to support a NASA JPL mission. It is also GMV's first sale of its operational *focusLEO* software in support of a NASA mission.

"GMV is proud to have been selected by Orbital to support JPL's OCO mission," said Theresa Beech, managing director, acting officer and vice president of business development of GMV Space Systems Inc. "GMV has more than two decades of experience developing software solutions for clients around the world and flight dynamics for low-Earth orbiting spacecraft is one of our strong areas of expertise."

*focusLEO* has also been sold by GMV to operate European Space Agency (ESA) and the European Meteorological Satellite Organization (EUMETSAT) missions. *focusLEO* provides full support to constellation flying which is important for OCO because it will fly in the NASA A-Train constellation. It provides full lifetime support of LEO and MEO satellite flight dynamics operations with attitude and orbit propagation and determination (including precise orbit determination), maneuver planning and calibration, flight dynamics events generation, and satellite end-of-life planning.

After its 2008 launch, the Orbiting Carbon Observatory (OCO) mission will collect precise global measurements of carbon dioxide (CO<sub>2</sub>) in the Earth's atmosphere. Scientists will analyze OCO data to improve the understanding of natural processes and human activities that regulate the abundance and distribution of this important greenhouse gas. This research will enable more reliable forecasts of future changes in the abundance and distribution of CO<sub>2</sub> in the atmosphere and the effect that these changes may have on the Earth's climate.

---

For more information please contact:

Heather Huhman

(301) 926-9737

heatherh@vepublicrelations.com