

ION Introduces DigiBIRD II for Marine Seismic Acquisition New Features Improve Performance of Industry-leading Depth Control System

HOUSTON – May 24, 2011 – ION Geophysical Corporation (NYSE: IO) today announced the launch of DigiBIRD® II, advancing its industry-leading depth control system for marine seismic data acquisition. For over 20 years, the DigiBIRD system has been the industry leader in seismic depth positioning devices, commanding over 90% market share. DigiBIRD II's new product features and enhancements will enable seismic contractors to acquire seismic data more safely, efficiently and cost effectively.

DigiBIRD II product enhancements include:

- Enhanced motor and wing modules designed to double the service life, backed by double the warranty period
- A new battery and fuel gauge designed to allow users to track energy usage, reducing risk and cost of work boat operations and battery storage and handling
- A new, more energy efficient electronic module that significantly extends battery life to 280 days, eliminating workboat operations for battery changes during most surveys

Jeff Cunkelman, Vice President, Product Management of ION's Marine Imaging Systems group, commented, "These enhancements further improve the performance of ION's industry-leading depth control system, increasing asset life, safety, and operational efficiency. Combined with DigiFIN® lateral control and DigiRANGE™ II acoustic ranging, these developments solidify ION's positioning portfolio as the most effective, compatible, flexible, and cost-effective system available."

DigiBIRD II will be commercially available in June 2011. For more information about the advanced capabilities of DigiBIRD II, visit iongeo.com/digibird.

About ION

ION Geophysical Corporation is a leading provider of geophysical technology, services, and solutions for the global oil & gas industry. ION's offerings allow E&P operators to obtain higher resolution images of the subsurface to reduce the risk of exploration and reservoir development, and enable seismic contractors to acquire geophysical data more efficiently. Additional information about ION is available at www.iongeo.com.



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The information included herein contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Actual results may vary fundamentally from those described in these forward-looking statements. All forward-looking statements reflect numerous assumptions and involve a number of risks and uncertainties. These risks and uncertainties include risk factors that are disclosed by ION from time to time in its filings with the Securities and Exchange Commission.