

ION GEOPHYSICAL CORP  
Form 10-Q  
November 08, 2007

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**SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549**

**FORM 10-Q**

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

**FOR THE QUARTERLY PERIOD ENDED SEPTEMBER 30, 2007**

**OR**

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

**COMMISSION FILE NUMBER 1-12691**

**ION GEOPHYSICAL CORPORATION**  
(EXACT NAME OF REGISTRANT AS SPECIFIED IN ITS CHARTER)

DELAWARE  
(State or other jurisdiction of  
incorporation or organization)

22-2286646  
(I.R.S. Employer Identification No.)

2105 CityWest Blvd.  
Suite 400  
Houston, Texas  
(Address of principal executive offices)

77042-2839  
(Zip Code)

INPUT/OUTPUT, INC.  
2101 CityWest Blvd.  
Building III, Suite 400  
Houston, TX 77042  
(Former name, former address and former fiscal year if changed since last report)

REGISTRANT'S TELEPHONE NUMBER, INCLUDING AREA CODE: (281) 933-3339

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes:  No:

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (check one):

Large accelerated  Accelerated filer  Non-accelerated filer

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filer

Indicate by check mark whether the registrant is a shell company (as defined by Rule 12b-2 of the Exchange Act).  
Yes:  No:

At October 31, 2007, there were 81,296,495 shares of common stock, par value \$0.01 per share, outstanding.

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ION GEOPHYSICAL CORPORATION AND SUBSIDIARIES

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**PART I. FINANCIAL INFORMATION****Item 1. Unaudited Financial Statements**

ION GEOPHYSICAL CORPORATION AND SUBSIDIARIES  
CONDENSED CONSOLIDATED BALANCE SHEETS  
(UNAUDITED)

|  | September 30,<br>2007             | December 31,<br>2006 |
|--|-----------------------------------|----------------------|
|  | (In thousands, except share data) |                      |
| <b>ASSETS</b>  |                                   |                      |
| Current assets:  |                                   |                      |
| Cash and cash equivalents  | \$ 26,035                         | \$ 17,056            |
| Restricted cash  | 3,635                             | 1,044                |
| Accounts receivable, net   | 115,282                           | 167,747              |
| Current portion of notes receivable, net   | 9,761                             | 6,299                |
| Unbilled receivables   | 48,914                            | 28,599               |
| Inventories  | 141,675                           | 115,520              |
| Prepaid expenses and other current assets  | 16,784                            | 9,854                |
| Total current assets   | 362,086                           | 346,119              |
| Notes receivable   | 453                               | 4,968                |
| Non-current deferred income tax asset  | 6,314                             | 6,197                |
| Property, plant and equipment, net   | 37,550                            | 38,129               |
| Multi-client data library, net   | 53,353                            | 33,072               |
| Investments at cost  | 4,436                             | 4,254                |
| Goodwill   | 157,120                           | 156,091              |
| Intangible and other assets, net   | 58,249                            | 66,306               |
| Total assets   | \$ 679,561                        | \$ 655,136           |
| <b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>  |                                   |                      |
| Current liabilities:   |                                   |                      |
| Notes payable and current maturities of long-term debt   | \$ 7,730                          | \$ 6,566             |
| Accounts payable   | 49,455                            | 47,844               |
| Accrued expenses   | 59,000                            | 50,819               |
| Accrued multi-client data library royalties  | 26,435                            | 27,197               |
| Deferred revenue   | 18,124                            | 37,442               |
| Deferred income tax liability  | 5,909                             | 5,909                |
| Total current liabilities  | 166,653                           | 175,777              |
| Long-term debt, net of current maturities  | 71,528                            | 70,974               |
| Non-current deferred income tax liability  | 3,881                             | 4,142                |
| Other long-term liabilities  | 4,249                             | 4,588                |
| Total liabilities  | 246,311                           | 255,481              |
| Cumulative convertible preferred stock   | 30,000                            | 29,987               |
| Stockholders' equity:  |                                   |                      |
| Common stock, \$0.01 par value; authorized 200,000,000 shares;<br>outstanding 81,293,999 and 80,123,486 shares at September 30, 2007 | 822                               | 810                  |

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|   |            |            |
|---|------------|------------|
| and December 31, 2006, respectively, net of treasury stock  |            |            |
| Additional paid-in capital  | 502,917    | 493,605    |
| Accumulated deficit   | (100,307)  | (123,095)  |
| Accumulated other comprehensive income  | 6,402      | 4,859      |
| Treasury stock, at cost, 853,402 and 850,428 shares at September 30, 2007 and December 31, 2006, respectively | (6,584)    | (6,511)    |
| Total stockholders' equity  | 403,250    | 369,668    |
| Total liabilities and stockholders' equity  | \$ 679,561 | \$ 655,136 |

See accompanying Notes to Unaudited Condensed Consolidated Financial Statements.

ION GEOPHYSICAL CORPORATION AND SUBSIDIARIES  
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS  
(UNAUDITED)

|   | Three Months Ended<br>September 30,      |           | Nine Months Ended<br>September 30, |            |
|---|--|-----------|------------------------------------|------------|
|   | 2007                                     | 2006      | 2007                               | 2006       |
|   | (In thousands, except per share amounts) |           |                                    |            |
| Product revenues  | \$ 126,246                               | \$ 76,824 | \$ 385,587                         | \$ 235,302 |
| Service revenues  | 47,306                                   | 33,149    | 118,166                            | 102,011    |
| Total net revenues  | 173,552                                  | 109,973   | 503,753                            | 337,313    |
| Cost of products  | 90,302                                   | 55,829    | 281,739                            | 169,397    |
| Cost of services  | 31,498                                   | 21,131    | 86,810                             | 64,183     |
| Gross profit  | 51,752                                   | 33,013    | 135,204                            | 103,733    |
| Operating expenses:   |  |           |                                    |            |
| Research and development  | 11,554                                   | 7,762     | 34,715                             | 23,032     |
| Marketing and sales   | 10,906                                   | 9,813     | 31,151                             | 28,458     |
| General and administrative  | 12,428                                   | 8,985     | 35,024                             | 29,524     |
| Total operating expenses  | 34,888                                   | 26,560    | 100,890                            | 81,014     |
| Income from operations  | 16,864                                   | 6,453     | 34,314                             | 22,719     |
| Interest expense  | (1,764)                                  | (1,484)   | (5,017)                            | (4,309)    |
| Interest income   | 273                                      | 630       | 1,412                              | 1,517      |
| Other expense   | (823)                                    | (687)     | (1,470)                            | (1,309)    |
| Income before income taxes and<br>change in accounting principle      | 14,550                                   | 4,912     | 29,239                             | 18,618     |
| Income tax expense  | 1,322                                    | 1,419     | 4,671                              | 3,332      |
| Net income before change in<br>accounting principle                   | 13,228                                   | 3,493     | 24,568                             | 15,286     |
| Cumulative effect of change in<br>accounting principle                | —  | —         | —                                  | 398        |
| Net income  | 13,228                                   | 3,493     | 24,568                             | 15,684     |
| Preferred stock dividends and<br>accretion                            | 589                                      | 636       | 1,780                              | 1,801      |
| Net income applicable to common<br>shares                             | \$ 12,639                                | \$ 2,857  | \$ 22,788                          | \$ 13,883  |
| Basic net income per share:   |  |           |                                    |            |
| Net income per basic share before<br>change in accounting principle   | \$ 0.16                                  | \$ 0.04   | \$ 0.28                            | \$ 0.17    |
| Cumulative effect of change in<br>accounting principle                | —  | —         | —                                  | —          |
| Net income per basic share  | \$ 0.16                                  | \$ 0.04   | \$ 0.28                            | \$ 0.17    |
| Diluted net income per share:   |  |           |                                    |            |
| Net income per diluted share before<br>change in accounting principle | \$ 0.14                                  | \$ 0.04   | \$ 0.26                            | \$ 0.17    |
| Cumulative effect of change in<br>accounting principle                | —  | —         | —                                  | —          |

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|   |    |        |    |        |    |        |    |        |
|---|----|--------|----|--------|----|--------|----|--------|
| Net income per diluted share                          | \$ | 0.14   | \$ | 0.04   | \$ | 0.26   | \$ | 0.17   |
| Weighted average number of common shares outstanding: |    |        |    |        |    |        |    |        |
| Basic   |    | 81,047 |    | 79,575 |    | 80,607 |    | 79,344 |
| Diluted   |    | 97,780 |    | 81,354 |    | 97,426 |    | 80,976 |

See accompanying Notes to Unaudited Condensed Consolidated Financial Statements.

ION GEOPHYSICAL CORPORATION AND SUBSIDIARIES  
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS  
(UNAUDITED)

|   | Nine Months Ended<br>September 30, |           |
|---|------------------------------------|-----------|
|   | 2007                               | 2006      |
|   | (In thousands)                     |           |
| Cash flows from operating activities:   |                                    |           |
| Net income  | \$ 24,568                          | \$ 15,684 |
| Adjustments to reconcile net income to cash provided by operating activities:                           |                                    |           |
| Cumulative effect of change in accounting principle   | —                                  | (398)     |
| Depreciation and amortization (other than multi-client library)   | 19,876                             | 16,243    |
| Amortization of multi-client library  | 24,959                             | 16,573    |
| Stock-based compensation expense related to stock options, nonvested stock and employee stock purchases | 4,586                              | 4,220     |
| Deferred income tax   | (688)                              | (542)     |
| Bad debt expense  | 306                                | 298       |
| Gain on sale of fixed assets  | (195)                              | (33)      |
| Change in operating assets and liabilities:   |                                    |           |
| Accounts and notes receivable   | 53,660                             | 8,037     |
| Unbilled receivables  | (20,315)                           | (8,598)   |
| Inventories   | (24,258)                           | (21,717)  |
| Accounts payable, accrued expenses and accrued royalties  | 7,006                              | 21,375    |
| Deferred revenue  | (19,377)                           | 16,993    |
| Other assets and liabilities  | (5,409)                            | (847)     |
| Net cash provided by operating activities   | 64,719                             | 67,288    |
| Cash flows from investing activities:   |                                    |           |
| Purchase of property, plant and equipment   | (7,167)                            | (5,837)   |
| Investment in multi-client data library   | (45,240)                           | (29,439)  |
| Proceeds from the sale of fixed assets  | 268                                | 241       |
| Increase in cost method investment  | (182)                              | (254)     |
| Proceeds from collection of note receivable associated with the sale of a facility                      | —                                  | 2,000     |
| Net cash used in investing activities   | (52,321)                           | (33,289)  |
| Cash flows from financing activities:   |                                    |           |
| Borrowings under revolving line of credit   | 142,000                            | 17,000    |
| Repayments under revolving line of credit   | (142,000)                          | (19,977)  |
| Payments on notes payable and long-term debt  | (6,512)                            | (4,932)   |
| Payment of preferred dividends  | (1,767)                            | (1,689)   |
| Proceeds from employee stock purchases and exercise of stock options                                    | 5,934                              | 2,609     |
| Restricted stock cancelled for employee minimum income taxes  | (1,231)                            | —         |
| Purchases of treasury stock   | (117)                              | (607)     |
| Net cash used in financing activities   | (3,693)                            | (7,596)   |
| Effect of change in foreign currency exchange rates on cash and cash equivalents                        | 274                                | 874       |

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|  |           |           |
|--|-----------|-----------|
| Net increase in cash and cash equivalents        | 8,979     | 27,277    |
| Cash and cash equivalents at beginning of period | 17,056    | 15,853    |
| Cash and cash equivalents at end of period       | \$ 26,035 | \$ 43,130 |

See accompanying Notes to Unaudited Condensed Consolidated Financial Statements.

## ION GEOPHYSICAL CORPORATION AND SUBSIDIARIES

### NOTES TO UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

#### **(1) Basis of Presentation**

In September 2007, the Company changed its corporate name from Input/Output, Inc. to ION Geophysical Corporation. This change was made to reflect the evolution of the company from being primarily known as an equipment manufacturer to the broad, current product/service portfolio of land and marine acquisition hardware, survey design and command & control software, advanced imaging services, and seismic data libraries. No subsidiary names have been changed.

The consolidated balance sheet of ION Geophysical Corporation and its subsidiaries (collectively referred to as the “Company” or “ION”, unless the context otherwise requires) at December 31, 2006 has been derived from the Company’s audited consolidated financial statements at that date. The consolidated balance sheet at September 30, 2007, the consolidated statements of operations for the three and nine months ended September 30, 2007 and 2006, and the consolidated statements of cash flows for the nine months ended September 30, 2007 and 2006 have been prepared by the Company without audit. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. The results of operations for the three and nine months ended September 30, 2007 are not necessarily indicative of the operating results for a full year or of future operations.

These consolidated financial statements have been prepared using accounting principles generally accepted in the United States for interim financial information and the instructions to Form 10-Q and applicable rules of Regulation S-X of the Securities and Exchange Commission. Certain information and footnote disclosures normally included in financial statements presented in accordance with accounting principles generally accepted in the United States have been omitted. The accompanying consolidated financial statements should be read in conjunction with the Company’s Annual Report on Form 10-K for the year ended December 31, 2006.

During the fourth quarter of 2006, the Company determined that a portion of service revenues had been previously reported as product revenues during the first three quarters of 2006. The Company has reclassified these into service revenues, with no impact on total revenues for any reported period.

#### **(2) Summary of Significant Accounting Policies and Estimates**

Refer to the Company’s Annual Report on Form 10-K for the year ended December 31, 2006, for a complete discussion of the Company’s significant accounting policies and estimates, except for the addition of the following significant accounting policy.

*Income Taxes –Accounting for Uncertainty in Income Taxes.* In September 2006, the Financial Accounting Standards Board (FASB) issued Interpretation No. 48, “*Accounting for Uncertainty in Income Taxes - an Interpretation of FASB Statement No. 109*” (FIN 48), which clarifies the accounting for uncertainty in income taxes recognized in accordance with Financial Accounting Standards No. 109, “*Accounting for Income Taxes*” (FAS 109). FIN 48 clarifies the application of FAS 109 by defining criteria that an individual tax position must satisfy in order for any part of the benefit of that position to be recognized in the financial statements. Additionally, FIN 48 provides guidance on the measurement, derecognition, classification and disclosure of tax positions, along with accounting for the related interest and penalties. The provisions of FIN 48 were effective for fiscal years beginning after December 15, 2006, with the cumulative effect of the change in accounting principle recorded as an adjustment to beginning retained earnings. The Company adopted FIN 48 on January 1, 2007. The adoption resulted in no adjustment to beginning retained earnings. See Note 7 for additional information.

**(3) Segment and Product Information**

The Company measures segment operating results based on income from operations. The Company evaluates and reviews results based on four segments - Land Imaging Systems, Marine Imaging Systems, Data Management Solutions (which collectively form the ION Systems Division) and the ION Solutions Division (formerly referred to as Seismic Imaging Solutions) - to allow for increased visibility and accountability of costs and more focused customer service and product development. Intersegment sales are insignificant for all periods presented.

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A summary of segment information for the three and nine months ended September 30, 2007 and 2006, is as follows (in thousands):

|   | Three Months Ended<br>September 30, |            | Nine Months Ended<br>September 30, |            |
|---|-------------------------------------|------------|------------------------------------|------------|
|   | 2007                                | 2006       | 2007                               | 2006       |
| Net revenues:   |                                     |            |                                    |            |
| ION Systems Division:                                 |                                     |            |                                    |            |
| Land Imaging Systems                                  | \$ 79,055                           | \$ 46,082  | \$ 242,804                         | \$ 130,837 |
| Marine Imaging Systems                                | 37,099                              | 24,864     | 116,925                            | 89,990     |
| Data Management Solutions                             | 10,917                              | 6,662      | 28,097                             | 16,793     |
| Total ION Systems Division                            | 127,071                             | 77,608     | 387,826                            | 237,620    |
| ION Solutions Division (Seismic<br>Imaging Solutions) |                                     |            |                                    |            |
|   | 46,481                              | 32,365     | 115,927                            | 99,693     |
| Total   | \$ 173,552                          | \$ 109,973 | \$ 503,753                         | \$ 337,313 |
| Income (loss) from operations:                        |                                     |            |                                    |            |
| ION Systems Division:                                 |                                     |            |                                    |            |
| Land Imaging Systems                                  | \$ 5,663                            | \$ 1,874   | \$ 16,681                          | \$ 6,467   |
| Marine Imaging Systems                                | 9,912                               | 5,792      | 32,077                             | 22,310     |
| Data Management Solutions                             | 5,948                               | 2,423      | 12,686                             | 5,389      |
| Total ION Systems Division                            | 21,523                              | 10,089     | 61,444                             | 34,166     |
| ION Solutions Division (Seismic<br>Imaging Solutions) |                                     |            |                                    |            |
|   | 7,443                               | 5,123      | 7,432                              | 17,176     |
| Corporate   | (12,102)                            | (8,759)    | (34,562)                           | (28,623)   |
| Total   | \$ 16,864                           | \$ 6,453   | \$ 34,314                          | \$ 22,719  |

#### (4) Inventories

A summary of inventories is as follows (in thousands):

|   | September 30,<br>2007 | December 31,<br>2006 |
|---|-----------------------|----------------------|
| Raw materials and subassemblies             | \$ 65,965             | \$ 52,628            |
| Work-in-process                             | 16,138                | 13,324               |
| Finished goods                              | 70,435                | 59,448               |
| Reserve for excess and obsolete inventories | (10,863)              | (9,880)              |
| Inventories, net                            | \$ 141,675            | \$ 115,520           |

#### (5) Net Income per Common Share

Basic net income per common share is computed by dividing net income applicable to common shares by the weighted average number of common shares outstanding during the period. Diluted net income per common share is determined based on the assumption that dilutive restricted stock and restricted stock unit awards have vested and outstanding dilutive stock options have been exercised and the aggregate proceeds were used to reacquire common stock using the average price of such common stock for the period. The total number of shares issued or committed for issuance under outstanding stock options at September 30, 2007 and 2006 were 5,983,142 and 7,120,519, respectively, and the total number of shares of restricted stock and restricted stock units at September 30, 2007 and 2006 were 787,969 and 1,006,701, respectively. The number of shares issued under stock option exercises during the nine months ended September 30, 2007 and 2006 were 724,368 and 477,101 shares, respectively.

The Company has outstanding \$60.0 million of convertible senior notes, for which 13,888,890 common stock may currently be acquired upon their full conversion, and 30,000 outstanding shares of Series D-1 Cumulative Convertible Preferred Stock (Series D-1 Preferred Stock), which may presently be converted, at the holder's election, into up to 3,812,428 shares of common stock. As highlighted in the table below, the convertible senior notes are dilutive for certain of the periods presented and therefore have been included in the computation of diluted net income per share in those periods. The Series D-1 Preferred Stock is antidilutive for all periods presented.

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The following table summarizes the computation of basic and diluted net income per common share (in thousands, except per share amounts):

|  | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |           |
|--|-------------------------------------|----------|------------------------------------|-----------|
|  | 2007                                | 2006     | 2007                               | 2006      |
| Net income before change in accounting principle               | \$ 12,639                           | \$ 2,857 | \$ 22,788                          | \$ 13,485 |
| Cumulative effect of change in accounting principle            | —                                   | —        | —                                  | 398       |
| Net income applicable to common shares                         | 12,639                              | 2,857    | 22,788                             | 13,883    |
| Income impact of assumed convertible debt conversion           | 1,007                               | —        | 3,020                              | —         |
| Net income after impact of assumed convertible debt conversion | \$ 13,646                           | \$ 2,857 | \$ 25,808                          | \$ 13,883 |
| Weighted average number of common shares outstanding           | 81,047                              | 79,575   | 80,607                             | 79,344    |
| Effect of dilutive stock awards                                | 2,844                               | 1,779    | 2,930                              | 1,632     |
| Effect of convertible debt conversion                          | 13,889                              | —        | 13,889                             | —         |
| Weighted average number of diluted common shares outstanding   | 97,780                              | 81,354   | 97,426                             | 80,976    |
| Basic net income per common share                              | \$ 0.16                             | \$ 0.04  | \$ 0.28                            | \$ 0.17   |
| Diluted net income per common share                            | \$ 0.14                             | \$ 0.04  | \$ 0.26                            | \$ 0.17   |

#### (6) Notes Payable, Long-term Debt and Lease Obligations

| Obligations                                      | September 30,<br>2007 | December 31,<br>2006 |
|--|-----------------------|----------------------|
| \$75.0 million revolving line of credit          | \$ —                  | \$ —                 |
| Convertible senior notes                         | 60,000                | 60,000               |
| Facility lease obligation                        | 5,056                 | 5,276                |
| Equipment capital leases and other notes payable | 14,202                | 12,264               |
| Total  | \$ 79,258             | \$ 77,540            |

*Revolving Line of Credit.* In March 2007, the Company obtained a \$75.0 million revolving line of credit (the “Facility”) with a scheduled maturity in March 2011. The Facility replaced the Company’s \$25.0 million revolving line of credit facility, which was scheduled to mature in May 2008. There was no outstanding balance of indebtedness under the Facility at September 30, 2007. The Facility is available for revolving credit borrowings to be used for the Company’s working capital needs and general corporate purposes, subject to a borrowing base. In addition, the Facility includes a \$25.0 million sub-limit for the issuance of documentary and standby letters of credit of which \$1.0 million had been issued at September 30, 2007. The Facility may also be used to fund the repayment of the Company’s 5.50% convertible senior notes indebtedness that is due on December 15, 2008, so long as after funds are advanced for that purpose, there remains at least \$30.0 million under the borrowing base that is available for borrowings under the Facility. The Facility includes an accordion feature under which the total commitments under the Facility may be increased to \$100.0 million, subject to the satisfaction of certain conditions.

The Facility borrowing base is calculated based on the sum of (i) 85% of eligible accounts receivable, eligible foreign accounts receivable and insured foreign accounts receivable, plus (ii) the lesser of (x) thirty percent (30%) of eligible inventory or (y) \$20.0 million. For purposes of this calculation, eligible foreign accounts receivable cannot exceed \$23.5 million. As of September 30, 2007, the borrowing base calculation permitted total borrowings of \$67.0 million, of which \$66.0 million remained available.

The interest rate on borrowings under the Facility will be, at the Company's option, (i) an "alternate base rate" (as defined in the Facility credit agreement) or (ii) for Eurodollar borrowings, a LIBOR rate plus an applicable margin. The amount of the applicable margin will be based on the Company's then-current leverage ratio as defined in the credit agreement. The applicable margin will be increased by 0.50% with respect to any borrowings that are applied to repay the convertible senior notes.

The Company is obligated to pay a commitment fee of 0.25% per annum on the unused portion of the Facility. A significant portion of the Company's assets are pledged as collateral for outstanding borrowings under the Facility. The Facility credit agreement restricts the Company's ability to pay common stock dividends, incur additional debt, sell significant assets, acquire other businesses, merge with other entities and take certain other actions without the consent of the lenders. The credit agreement requires compliance with certain financial and non-financial covenants, including requirements related to (i) maintaining a minimum fixed charge coverage ratio of 1.25 to 1.0, and (ii) not exceeding a maximum leverage ratio of 2.75 to 1.0 (provided that, upon the Company's repaying the outstanding indebtedness under the convertible senior notes, the maximum leverage ratio shall fall to 2.50 to 1.0 for 12 months and then 2.0 to 1.0 thereafter). At September 30, 2007, the Company was in compliance with all of the covenants under the credit agreement.

*Convertible Senior Notes.* In December 2003, the Company issued \$60.0 million of convertible senior notes, which mature on December 15, 2008. The notes bear interest at an annual rate of 5.5%, payable semi-annually. The notes, which are not redeemable prior to their maturity, are convertible into the Company's common stock at an initial conversion rate of 231.4815 shares per \$1,000 principal amount of notes (a conversion price of \$4.32 per share), which represents 13,888,890 total common shares.

*Facility Lease Obligation.* In 2001, the Company sold its facilities, located in Stafford, Texas, for \$21.0 million. Simultaneously with the sale, the Company entered into a non-cancelable twelve-year lease with the purchaser of the property. Because the Company retained a continuing involvement in the property that precluded sale-leaseback treatment for financial accounting purposes, the sale-leaseback transaction was accounted for as a financing transaction.

In September 2005, the owner sold the facilities to two parties, which were unrelated to each other as well as unrelated to the seller. In conjunction with the sale of the facilities, the Company entered into two separate lease arrangements for each of the facilities with the new owners. One lease, which was classified as an operating lease, has a twelve-year lease term. The second lease continues to be accounted for as a financing transaction due to the Company's continuing involvement in the property as a lessee, and has a ten-year lease term, which the Company does not expect to renew. The Company recorded the commitment under the second lease as a \$5.5 million lease obligation at an implicit rate of 11.7% per annum. Both leases have renewal options allowing the Company to extend the leases for up to an additional twenty-year term. The outstanding facility lease obligation was \$5.1 million at September 30, 2007.

*Equipment Capital Leases.* The Company has entered into a series of equipment loans in the form of capital leases that are due in installments for the purpose of financing the purchase of computer equipment. The leases expire in various years through 2010. Interest charged under these loans ranges from 5.9% to 9.4% and the leases are collateralized by liens on the computer equipment. During the nine months ended September 30, 2007 and 2006, the Company entered into various capital leases for computer equipment totaling \$5.9 million and \$9.3 million, respectively.

## **(7) Income Taxes**

In 2002, the Company established a valuation allowance for substantially all of its deferred tax assets. Since that time, the Company has continued to record a valuation allowance. The valuation allowance was calculated in accordance with the provisions of FAS 109, "Accounting for Income Taxes," which require that a valuation allowance be established or maintained when it is "more likely than not" that all or a portion of deferred tax assets will not be realized. The Company will continue to reserve for substantially all net deferred tax assets until there is sufficient evidence to warrant reversal. The Company's effective tax rate for the three months ended September 30, 2007 and 2006 was 9.1% and 28.9%, respectively and is primarily related to the Company's earnings in its foreign jurisdictions as well as the return to accrual adjustment of U.S. state income taxes recorded in the current period. The Company's effective tax rate for the nine months ended September 30, 2007 and 2006 was 16.0% and 17.9%, respectively.

As a result of implementation of FIN 48, the Company recorded no adjustment to beginning retained earnings because there were no unrecognized tax benefits. The Company does not expect to recognize significant increases in unrecognized tax benefits during the next twelve month period.

Interest and penalties, if any, related to unrecognized tax benefits are recorded in income tax expense.

The Company's U.S. federal tax returns for 2003 and subsequent years remain subject to examination by tax authorities. The Company is no longer subject to IRS examination for periods prior to 2003, although carryforward attributes that were generated prior to 2003 may still be adjusted upon examination by the IRS if they either have been or will be used in a future period. In the Company's foreign tax jurisdictions, tax returns for 2000 and subsequent years

generally remain open to examination.

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**(8) Comprehensive Net Income**

The components of comprehensive net income are as follows (in thousands):

|   | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |           |
|---|-------------------------------------|----------|------------------------------------|-----------|
|   | 2007                                | 2006     | 2007                               | 2006      |
| Net income applicable to common shares  | \$ 12,639                           | \$ 2,857 | \$ 22,788                          | \$ 13,883 |
| Foreign currency translation adjustment | 865                                 | 2,129    | 1,543                              | 2,785     |
| Comprehensive net income                | \$ 13,504                           | \$ 4,986 | \$ 24,331                          | \$ 16,668 |

**(9) Stock-Based Compensation - Valuation Assumptions**

The Company calculated the fair value of each option award on the date of grant using the Black-Scholes option pricing model. The following assumptions were used for each respective period:

|                           | Nine Months Ended September<br>30, |               |
|---------------------------|------------------------------------|---------------|
|                           | 2007                               | 2006          |
| Risk-free interest rates  | 4.2% - 4.9%                        | 4.4% - 5.2%   |
| Expected lives (in years) | 4.5                                | 4.5           |
| Expected dividend yield   | 0%                                 | 0%            |
| Expected volatility       | 45.0% - 48.8%                      | 47.5% - 53.8% |

The computation of expected volatility during the nine months ended September 30, 2007 and 2006 was based on an equally weighted combination of historical volatility and market-based implied volatility. Historical volatility was calculated from historical data for a period of time approximately equal to the expected term of the option award, starting from the date of grant. Market-based implied volatility was derived from traded options on the Company's common stock having a term of six months. The risk-free interest rate assumption is based upon the U.S. Treasury yield curve in effect at the time of grant for periods corresponding with the expected life of the option.

**(10) Commitments and Contingencies**

*Legal Matters:* In September 2003, a former employee of the Company filed a lawsuit against the Company in the 127th Judicial District Court, Harris County, Texas, alleging that the Company terminated the employee's employment as the result of age discrimination. The case was transferred to the 268th District Court for Fort Bend County, Texas, and, in November 2005, the case was removed to the United States District Court for the Southern District of Texas (*Gaines Watkins v. Input/Output, Inc., Civil Action No. H-05-03940*). In June 2007, the case was tried to a jury, and the jury returned a verdict in favor of the plaintiff and found that the plaintiff was entitled to a total of \$500,000 in pay. The jury also found that the Company acted willfully in discharging the plaintiff. Under the Age Discrimination in Employment Act of 1967, the plaintiff may be awarded an additional amount of liquidated damages equal to the plaintiff's lost back wages if the jury determined that the age discrimination was willful. On August 17, 2007, the presiding judge awarded a total of \$1,270,486 to the plaintiff. On September 28, 2007, the Company and the plaintiff entered into a Settlement Agreement and Release, whereby the parties agreed that the Company would pay \$1,150,000 in full settlement of the case and the judgment. An estimated loss of \$1.0 million was recorded during the second quarter of this year. The remainder of the settlement amount was expensed in the third quarter of this year.

The Company has been named in various other lawsuits or threatened actions that are incidental to its ordinary business. Such lawsuits and actions could increase in number as the Company's business expands and the Company grows larger. Litigation is inherently unpredictable. Any claims against the Company, whether meritorious or not, could be time consuming, cause the Company to incur costs and expenses, require significant amounts of management time, and result in the diversion of significant operational resources. The results of these lawsuits and actions cannot be predicted with certainty. Management currently believes that the ultimate resolution of these matters will not have a material adverse impact on the financial condition, results of operations or liquidity of the Company.

*Warranties:* The Company generally warrants that all of its manufactured equipment will be free from defects in workmanship, materials and parts. Warranty periods generally range from 30 days to three years from the date of original purchase, depending on the product. The Company provides for estimated warranty as a charge to cost of sales at time of sale, which is when estimated future expenditures associated with such contingencies become probable and reasonably estimated. However, new information may become available, or circumstances (such as applicable laws and regulations) may change, thereby resulting in an increase or decrease in the amount required to be accrued for such matters (and therefore a decrease or increase in reported net income in the period of such change). A summary of warranty activity is as follows (in thousands):

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|   | Three Months Ended<br>September 30, |          | Nine Months Ended<br>September 30, |          |
|---|-------------------------------------|----------|------------------------------------|----------|
|   | 2007                                | 2006     | 2007                               | 2006     |
| Balance at beginning of period                          | \$ 8,575                            | \$ 4,877 | \$ 6,255                           | \$ 3,896 |
| Accruals for warranties issued during the period        | 3,722                               | 1,501    | 9,207                              | 5,030    |
| Settlements made (in cash or in kind) during the period | (901)                               | (992)    | (4,066)                            | (3,540)  |
| Balance at end of period                                | \$ 11,396                           | \$ 5,386 | \$ 11,396                          | \$ 5,386 |

### (11) Concentration of Credit and Foreign Sales Risks

For the nine months ended September 30, 2007, the Company recognized \$119.4 million of sales to customers in Europe, \$98.8 million of sales to customers in the Asia-Pacific region, \$26.3 million of sales to customers in Africa, \$21.9 million of sales to customers in the Middle East, \$11.6 million of sales to customers in Latin American countries, and \$39.1 million of sales to customers in the Commonwealth of Independent States, or former Soviet Union (CIS). The majority of the Company's foreign sales are denominated in U.S. dollars. For the nine months ended September 30, 2007 and 2006, international sales comprised 63% and 74%, respectively, of total net revenues. Certain of these countries have experienced economic problems and uncertainties from time to time. To the extent that world events or economic conditions negatively affect the Company's future sales to customers in these and other regions of the world or the collectibility of the Company's existing receivables, the Company's future results of operations, liquidity and financial condition may be adversely affected.

For the nine months ended September 30, 2007, \$61.5 million, or 12.2%, of consolidated net revenues, were primarily attributable to land system sales to Oil & Natural Gas Corporation, Ltd. (ONGC), the national oil company of India. For the nine months ended September 30, 2007 and 2006, \$29.3 million, or 5.8%, and \$25.5 million, or 7.6%, respectively, of consolidated net revenues were attributable to marine equipment sales to Reservoir Exploration Technology (RXT). The loss of these customers or deterioration in the Company's relationship with either of these customers could have a material adverse effect on the Company's results of operations and financial condition.

### (12) Recent Accounting Pronouncements

In September 2006, the FASB issued FAS No. 157, "*Fair Value Measurements*" (FAS 157). FAS 157 defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles and expands disclosures about fair value measurements. The provisions of FAS 157 are effective for fiscal years beginning after November 15, 2007. The Company is currently evaluating the impact, if any, of this statement.

In February 2007, the FASB issued FAS No. 159, "*The Fair Value Option for Financial Assets and Financial Liabilities*" (FAS 159). FAS 159 allows companies the option to report certain financial assets and liabilities at fair value, establishes presentation and disclosure requirements and requires additional disclosure surrounding the valuation of the financial assets and liabilities presented at fair value on the balance sheet. The provisions of FAS 159 are effective for fiscal years beginning after November 15, 2007. The Company is currently evaluating the impact, if any, of this statement.

Effective July 1, 2007, the Company adopted the Emerging Issues Task Force, or EITF, Topic D-109, "*Determining the Nature of a Host Contract Related to a Hybrid Financial Instrument Issued in the Form of a Share under FASB Statement No. 133*" (Topic D-109). Topic D-109 conveys the SEC staff's views on determining whether the characteristics of a host contract in a hybrid financial instruments issued in the form of a share is more like debt or equity. The SEC staff believes that in evaluating an embedded derivative feature for separation under FASB Statement

133, the consideration of the economic characteristics and risks of the host contract should not ignore the stated or implied substantive terms and features of the hybrid financial instrument. The adoption of Topic D-109 did not have an impact on the Company's financial position, results of operations, or cash flows. However, if the holders of the Series D-1 Preferred Stock exercised their right to purchase additional shares of Series D Preferred Stock, the Company would account for the transaction under this new guidance. These rights expire in February 2008.

**Item 2. *Management's Discussion and Analysis of Financial Condition and Results of Operations***

**Executive Summary**

We are a leading seismic solutions company, providing the global oil and natural gas industry with a variety of seismic products and services, including seismic data acquisition equipment, survey design planning services, software products, seismic data libraries, and seismic data processing services. In recent years, we have transformed our business from being solely a seismic equipment manufacturer to being a provider of a full range of seismic imaging products and services - including designing and planning a seismic survey, overseeing the acquisition of seismic data by seismic contractors, and processing the acquired seismic data using advanced algorithms and mode workflows. During 2004, we completed two acquisitions as part of our strategy to expand the range of products and services we provide. This expanded offering, which includes seismic data management software and advanced imaging services, has enabled us to broaden our customer base beyond seismic acquisition contractors to also include oil and natural gas exploration and production companies.

In January 2007, we created a new division, the ION Solutions Division, which combined our established Seismic Imaging Solutions data processing services and Integrated Seismic Solutions service businesses of GX Technology Corporation (GXT) with two new business units - FireFly® Solutions and Seabed Solutions. This division was created to deliver integrated hardware and service solutions for full-wave imaging in both the land and marine environments. This division will focus on addressing the customer's entire seismic transaction - from the data acquisition phase to the data processing phase - and will apply our latest developments in systems and processing technology. The FireFly Solutions unit will focus on the integration of data processing services with our new FireFly cableless full-wave land acquisition system, while the Seabed Solutions unit will center on integrating our data processing services with our latest generation of marine products. Revenue associated with the sale of FireFly equipment will continue to be reported under the Land Imaging Systems segment. The creation of this new division did not have an impact on our previously reported business segment classification.

In September 2007, we changed our corporate name from Input/Output, Inc. to ION Geophysical Corporation. This change was made to reflect the evolution of our company from being primarily known as an equipment manufacturer to our broad, current product and service portfolio of land and marine acquisition hardware, survey design and command & control software, advanced imaging services, and seismic data libraries.

Our current growth strategy is focused on the following key areas:

- Expanding our ION Solutions business in new regions with new customers and with new service offerings, including proprietary services for owners and operators of oil and gas properties;
- Globalizing our ION Solutions data processing business by opening advanced imaging centers in new locations, and expanding our presence in the land seismic processing segment;
  - Successfully developing and introducing our next generation of marine towed streamer products;
- Expanding our seabed imaging solutions business using our VectorSeis® Ocean (VSO) acquisition platform and derivative products;
- Increasing our market share in cable-based land acquisition systems through our new Scorpion® acquisition system; and
- Ongoing development and further commercialization of FireFly, our cableless full-wave land acquisition system.

Each of our four operating business segments experienced strong percentage increases in their revenues compared to their revenues for the comparable three and nine months in 2006. Overall income from operations for the nine months ended September 30, 2007 was approximately 51% higher compared to income from operations for the comparable period in 2006.

During the nine months ended September 30, 2007, we continued to see interest in our new technologies. For example:

- In the fourth quarter of 2006, we delivered our new FireFly cableless full-wave land acquisition system to BP America Production Company, a subsidiary of London-based BP p.l.c. for the first field application in a project in the Wamsutter gas fields in Wyoming. In March 2007, Apache Corporation began their deployment of this system at a project located in northeast Texas; the survey was completed in June 2007 and results are currently being assessed. In the first quarter of 2007, we recognized revenues of \$20.8 million associated with this system sale, which was used on both the surveys in Wamsutter and northeast Texas.

·During February 2007, we announced the receipt of an order for approximately \$29 million from Reservoir Exploration Technology (RXT), a marine seismic contractor headquartered in Oslo, Norway, for a fourth VSO redeployable ocean-bottom cable system. This system is scheduled to begin delivery in the fourth quarter of 2007. In addition, in May 2007, we entered into a multi-year agreement with RXT under which RXT has agreed to purchase a minimum of \$160 million in VSO systems and related equipment over the next four years. This agreement entitles us to receive a royalty of 2.1% of revenues generated by RXT through the use of all VSO equipment from January 2008 through the term of the agreement. In turn, this agreement allows RXT to have exclusive rights to this product line through 2011.

·During the third quarter of 2007, we delivered the remaining five of 14 land acquisition systems to ONGC, the national oil company of India, resulting in \$22.8 million of revenues during the quarter. The other systems were delivered during the second quarter 2007, and we recognized \$35.5 million in revenues in that quarter related to the sale.

·In the third quarter of 2007, we completed open water testing of our DigiFIN™ advanced streamer command and control system with our launch partner Petroleum Geo-Services' (PGS). DigiFIN is designed to maintain tighter, more uniform marine streamer separation along the entire length of the streamer cable, which allows for finer sampling of seismic data and improved subsurface images. We believe that DigiFIN also enables faster line changes and minimizes the requirements for in-fill seismic work, which together improve the productivity of towed streamer operations. Also, PGS placed an order to outfit a vessel with DigiFIN, which we delivered during the quarter.

·On June 12, 2007, we entered into a series of agreements with Hydro Technology Ventures and Reservoir Innovation AS for the formation of a joint venture company named OCTIO Geophysical AS for the purpose of developing, pilot testing and commercializing a full-wave seismic system for permanent monitoring of offshore reservoirs. Hydro Technology is a subsidiary of StatoilHydro ASA. Reservoir Innovation is a privately held company based in Bergen, Norway, that develops and commercializes technologies for the exploration, development, and production of offshore hydrocarbon reservoirs. Each party to the joint venture has equal operational control over the joint venture company. Under the terms of the agreement, we contributed (licensed) certain of our technology to the joint venture and agreed to sell certain products and to provide temporary employee support to the joint venture.

In March 2007, we obtained a \$75.0 million revolving line of credit replacing our previously available \$25.0 million revolving line of credit. There were no borrowings outstanding at September 30, 2007. See further discussion below of the terms of this new credit facility at “ — *Liquidity and Capital Resources.*”

We operate our company through four business segments: three of these segments — Land Imaging Systems, Marine Imaging Systems and Data Management Solutions - make up our ION Systems division, and the fourth segment is our ION Solutions division (formerly referred to as Seismic Imaging Solutions). The following table provides an overview of key financial metrics for our company as a whole and our four business segments during the three and nine months ended September 30, 2007 compared to those periods one year ago (in thousands, except per share amounts):

|  | Three Months Ended<br>September 30,<br>2007 |         | 2006 |         | Comparable<br>Quarter<br>Increase<br>(Decrease) | Nine Months Ended<br>September 30,<br>2007 |         | 2006 |         | Comparable<br>Year-to-Date<br>Increase<br>(Decrease) |
|--|---|---------|------|---------|---|--|---------|------|---------|--|
| Net revenues:                                      |   |         |      |         |   |  |         |      |         |  |
| ION Systems Division:                              |   |         |      |         |   |  |         |      |         |  |
| Land Imaging Systems                               | \$  | 79,055  | \$   | 46,082  | 71.6%   | \$   | 242,804 | \$   | 130,837 | 85.6%  |
| Marine Imaging Systems                             |   | 37,099  |      | 24,864  | 49.2%   |  | 116,925 |      | 89,990  | 29.9%  |
| Data Management Solutions                          |   | 10,917  |      | 6,662   | 63.9%   |  | 28,097  |      | 16,793  | 67.3%  |
| Total ION Systems Division                         |   | 127,071 |      | 77,608  | 63.7%   |  | 387,826 |      | 237,620 | 63.2%  |
| ION Solutions Division (Seismic Imaging Solutions) |   | 46,481  |      | 32,365  | 43.6%   |  | 115,927 |      | 99,693  | 16.3%  |
| Total  | \$  | 173,552 | \$   | 109,973 | 57.8%   | \$   | 503,753 | \$   | 337,313 | 49.3%  |

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Income (loss) from operations:

| ION Systems Division:                              |    |          |    |         |         |    |          |    |          |         |
|--|----|----------|----|---------|---------|----|----------|----|----------|---------|
| Land Imaging Systems                               | \$ | 5,663    | \$ | 1,874   | 202.2%  | \$ | 16,681   | \$ | 6,467    | 157.9%  |
| Marine Imaging Systems                             |    | 9,912    |    | 5,792   | 71.1%   |    | 32,077   |    | 22,310   | 43.8%   |
| Data Management Solutions                          |    | 5,948    |    | 2,423   | 145.5%  |    | 12,686   |    | 5,389    | 135.4%  |
| Total ION Systems Division                         |    | 21,523   |    | 10,089  | 113.3%  |    | 61,444   |    | 34,166   | 79.8%   |
| ION Solutions Division (Seismic Imaging Solutions) |    |          |    |         |         |    |          |    |          |         |
|  |    | 7,443    |    | 5,123   | 45.3%   |    | 7,432    |    | 17,176   | (56.7%) |
| Corporate  |    | (12,102) |    | (8,759) | (38.2%) |    | (34,562) |    | (28,623) | (20.7%) |
| Total  | \$ | 16,864   | \$ | 6,453   | 161.3%  | \$ | 34,314   | \$ | 22,719   | 51.0%   |

|  |    |        |    |       |  |    |        |    |        |
|--|----|--------|----|-------|--|----|--------|----|--------|
| Net income applicable to common shares | \$ | 12,639 | \$ | 2,857 |  | \$ | 22,788 | \$ | 13,883 |
| Basic net income per common share      | \$ | 0.16   | \$ | 0.04  |  | \$ | 0.28   | \$ | 0.17   |
| Diluted net income per common share    | \$ | 0.14   | \$ | 0.04  |  | \$ | 0.26   | \$ | 0.17   |

We intend that the following discussion of our financial condition and results of operations will provide information that will assist in understanding our consolidated financial statements, the changes in certain key items in those financial statements from quarter to quarter, and the primary factors that accounted for those changes.

There are a number of factors that could impact our future operating results and financial condition, and may if realized, cause our expectations set forth in this Form 10-Q and elsewhere to vary materially from what we anticipate. See Part II, Item 1A. “*Risk Factors*” below.

The information contained in this Quarterly Report on Form 10-Q contains references to our trademarks, service marks and registered marks, as indicated. Except where stated otherwise or unless the context otherwise requires, the terms “VectorSeis,” “GATOR,” “Scorpion,” “Orca,” “DigiCOURSE” and “FireFly” refer to our VectorSeis®, GATOR®, Scorpion®, Orca®, DigiCOURSE® and FireFly® registered marks, and the terms “DigiFIN” and “DigiSHOT” refer to our DigiFIN™ and DigiSHOT™ trademarks and service marks.

## Results of Operations

### Three Months Ended September 30, 2007 Compared to Three Months Ended September 30, 2006

*Net Revenues:* Net revenues of \$173.6 million for the three months ended September 30, 2007 increased \$63.6 million, or 57.8%, compared to the corresponding period last year. Land Imaging Systems’ net revenues increased by \$33.0 million, to \$79.1 million compared to \$46.1 million in the corresponding period of last year. This increase included revenues related to the delivery of the remaining five land acquisition systems of our 14 system order from India’s ONGC we received in December 2006, and an increase in our vibrator truck sales during the third quarter of 2007. Marine Imaging Systems’ net revenues for the three months ended September 30, 2007 increased by \$12.2 million to \$37.1 million compared to \$24.9 million in the corresponding period of last year, principally due to stronger sales of our marine positioning products, including the first sale of our DigiFIN advanced streamer command and control system, and an increase in VectorSeis Ocean (VSO) and source product sales. We expect to begin delivering the next VSO system ordered by RXT in the fourth quarter of 2007. Our Data Management Solutions segment (Concept Systems) contributed \$10.9 million to our net revenues for the third quarter, compared to \$6.7 million in the corresponding period of last year. This increase primarily reflects increased energy industry demand for marine seismic work and sales from our GATOR® and newly launched Orca® towed streamer navigation and data management applications product line.

Our ION Solutions division’s net revenues increased by \$14.1 million, to \$46.5 million for the three months ended September 30, 2007, compared to \$32.4 million in the corresponding period of last year. The results for the third quarter of 2007 included multi-client seismic data library sales related to our ultra-deep seismic data program and geologic study off the east and west coasts of India that was completed in the third quarter of 2007. These sales accounted for the majority of our data library sales during the third quarter of 2007 and were supplemented by an increase in new venture revenues in the Arctic region.

*Gross Profit and Gross Profit Percentage:* Gross profit of \$51.8 million for the three months ended September 30, 2007 increased \$18.8 million, compared to the corresponding period last year. Gross profit percentages for the three months ended September 30, 2007 and 2006 were 29.8% and 30.0%, respectively. While the overall margins were flat, we experienced stronger margins in our Marine Imaging Systems due to increased sales of our source and Seabed product lines. We also had an increase in higher margin sales at Concept Systems. These were offset by the growth of lower margin vibroseis trucks in the Land Imaging Systems division.

*Research and Development:* Research and development expense was \$11.6 million, or 6.7% of net revenues, for the three months ended September 30, 2007, an increase of \$3.8 million compared to \$7.8 million, or 7.1% of net revenues, for the corresponding period last year. The increase is due primarily to increased personnel costs related to additional hirings and professional fees as well as increased costs related to the development of our FireFly version 2.0 system, DigiFIN™ advanced streamer command and control system and our integrated marine acquisition system products. We expect to continue to incur significant research and development expenses as we continue to invest heavily in the next generation of our seismic acquisition products and services, such as our next generation of marine products.

*Marketing and Sales:* Marketing and sales expense of \$10.9 million, or 6.3% of net revenues, for the three months ended September 30, 2007 increased \$1.1 million compared to \$9.8 million, or 8.9% of net revenues, for the corresponding period last year. The reduction in marketing and sales expense as a percentage of net revenues reflects our focus on leveraging our marketing and sales costs with our sales growth. The increase in our sales and marketing expenditures reflects the hiring of additional sales personnel and the creation of our two new business units, FireFly Solutions and Seabed Solutions, within the ION Solutions division. Expenses increased overall due to our continued business growth, which caused additional spending associated with increased sales volumes, personnel hirings and sales commissions. We intend to continue investing significant sums in our marketing efforts as we further penetrate markets with our new products.

*General and Administrative:* General and administrative expenses of \$12.4 million for the three months ended September 30, 2007 increased \$3.4 million compared to \$9.0 million for the third quarter of 2006. General and administrative expenses as a percentage of net revenues for the three months ended September 30, 2007 and 2006 were 7.2% and 8.2%, respectively. The reduction in general and administrative expense as a percentage of net revenues reflects our focus on leveraging our administrative costs with our sales growth. The increase in expenditures is primarily due to higher payroll costs, an increase in bonuses for 2007 related to our improved results of operations and increased travel associated with our global solutions corporate strategy.

*Income Tax Expense:* Income tax expense for the three months ended September 30, 2007 was \$1.3 million compared to \$1.4 million for the three months ended September 30, 2006. Income tax expense consists mainly of non-U.S. taxes since we continue to maintain a valuation allowance for substantially all of our U.S. federal net deferred tax assets. Our effective tax rate for the three months ended September 30, 2007 and 2006 was 9.1% and 28.9%, respectively. The decrease in our effective tax rate relates primarily to improved profitability of our U.S. operations and to a positive return to accrual adjustment of U.S. state income taxes recorded in the current period.

*Preferred Dividend:* The preferred dividend relates to our Series D-1 Preferred Stock we issued in February 2005. Quarterly dividends may be paid, at our option, either in cash or by the issuance of our common stock. Dividends are paid at a rate equal to the greater of (i) five percent per annum or (ii) the three month LIBOR rate on the last day of the immediately preceding calendar quarter plus two and one-half percent per annum. All dividends paid on the Series D-1 Preferred Stock have been paid in cash. The Preferred Stock dividend rate was 7.86% at September 30, 2007.

### **Nine Months Ended September 30, 2007 Compared to Nine Months Ended September 30, 2006**

*Net Revenues:* Net revenues of \$503.8 million for the nine months ended September 30, 2007 increased \$166.5 million, or 49.3%, compared to the corresponding period last year. Land Imaging Systems' net revenues increased by \$112.0 million, to \$242.8 million compared to \$130.8 million in the corresponding period of last year. The increase is due to increased systems sales related to our ONGC order, the recognition of our FireFly sale in the first quarter of 2007 and an increase in vibrator truck sales compared to the corresponding period in 2006. Marine Imaging Systems' net revenues increased \$26.9 million to \$116.9 million compared to \$90.0 million in the corresponding period of last year due to increased sales of positioning and source product lines resulting from greater demand for our DigiCOURSE® positioning and source product system sales and moderately increased VSO system sales. This

increase was partially offset by a decrease in our marine data acquisition systems sales. Concept Systems contributed \$28.1 million to our net revenues for the first nine months of 2007, compared to \$16.8 million in the corresponding period of last year. This increase primarily reflects increased energy industry demand for marine seismic work and Concept Systems' newly launched Orca product line.

ION Solutions division's net revenues increased \$16.2 million to \$115.9 million for the nine months ended September 30, 2007, compared to \$99.7 million in the corresponding period last year. For 2007, increased demand for proprietary processing and pre-funded multi-client surveys exceeded the prior year's results, but were partially offset by lower sales of off-the-shelf seismic data. The first nine months of 2006 included a large, non-recurring multi-client seismic library sale that was not duplicated during the corresponding period in 2007.

*Gross Profit and Gross Profit Percentage:* Gross profit of \$135.2 million for the nine months ended September 30, 2007 increased \$31.5 million, compared to the corresponding period last year. Gross profit percentage for the nine months ended September 30, 2007 was 26.8% compared to 30.8% in the prior year. The reduction in our gross margin percentage was primarily due to the recognition of the sale of our first FireFly system (which, as a newly-developed system, had relatively high built-in costs of sale) and the mix of business, including an increase in lower margin vibroseis trucks by Land Imaging Systems and the inclusion of a low-margin pre-funded multi-client survey by ION Solutions.

*Research and Development:* Research and development expense was \$34.7 million, or 6.9% of net revenues for the nine months ended September 30, 2007, an increase of \$11.7 million compared to \$23.0 million, or 6.8% of net revenues, for the corresponding period last year. The increase was due primarily to increased personnel costs related to additional hirings, contract labor and professional fees as well as increased costs related to the development of our FireFly version 2.0 system, our DigiFIN advanced streamer command and control system and our integrated marine acquisition system products. We incurred significant research and development expenses during the nine months ended September 30, 2007 and expect to continue to incur significant research and development expenses as we continue to invest heavily in the next generation of our seismic acquisition products and services.

*Marketing and sales:* Marketing and sales expense of \$31.2 million, or 6.2% of net revenues, for the nine months ended September 30, 2007 increased \$2.7 million compared to \$28.5 million, or 8.4% of net revenues, for the corresponding period last year. The reduction in marketing and sales expense as a percentage of net revenues reflects our focus on leveraging our marketing and sales costs with our sales growth. Expenses increased overall due to our continued business growth, which caused additional spending associated with increased sales volumes, personnel hirings and sales commissions. We intend to continue investing significant sums in our marketing efforts as we penetrate markets with our new products.

*General and Administrative:* General and administrative expenses of \$35.0 million for the nine months ended September 30, 2007 increased \$5.5 million compared to \$29.5 million for the corresponding period last year. General and administrative expenses as a percentage of net revenues for the nine months ended September 30, 2007 were 7.0% compared to 8.7% for the same period in 2006. The reduction in general and administrative expenses as a percentage of net revenues reflects our focus on leveraging our administrative costs with our sales growth. The increase in expenditures was primarily due to higher payroll costs associated with an increase in management and corporate personnel, an increase in travel associated with our global solutions corporate strategy and the \$1.2 million related to the Watkins settlement (refer to *Item 1. Legal Proceedings* for more information). This increase was partially offset by a decrease in professional accounting, consulting and legal fees.

*Income Tax Expense:* Income tax expense for the nine months ended September 30, 2007 was \$4.7 million compared to \$3.3 million for the nine months ended September 30, 2006. Income tax expense consists mainly of non-U.S. taxes since we continue to maintain a valuation allowance for substantially all of our U.S. federal net deferred tax assets. Our effective tax rate for the nine months ended September 30, 2007 and 2006 was 16.0% and 17.9%, respectively.

## **Liquidity and Capital Resources**

### *Sources of Capital*

In March 2007, we obtained a \$75.0 million revolving line of credit (the "Facility") with a maturity date of March 2011. The Facility replaced our \$25.0 million revolving line of credit facility, which was scheduled to mature in May 2008. There was no outstanding balance of indebtedness under the Facility at September 30, 2007. The Facility is available for revolving credit borrowings to be used for our working capital needs and general corporate purposes, subject to a borrowing base. In addition, the Facility includes a \$25.0 million sub-limit for the issuance of documentary and standby letters of credit, of which \$1.0 million had been issued at September 30, 2007. The Facility may also be used

to fund the repayment of our 5.50% convertible senior notes indebtedness that is due on December 15, 2008, so long as after funds are advanced for that purpose, there remains at least \$30.0 million under the borrowing base that is available for borrowings under the Facility. See below for further discussion of our outstanding convertible senior notes. The Facility includes an accordion feature under which the total commitments under the Facility may be increased to \$100.0 million, subject to the satisfaction of certain conditions.

The Facility borrowing base is calculated based on the sum of (i) 85% of our total eligible accounts receivable, eligible foreign accounts receivable and insured foreign accounts receivable, plus (ii) the lesser of (x) thirty percent (30%) of eligible inventory or (y) \$20.0 million. For purposes of this calculation, eligible foreign accounts receivable cannot exceed \$23.5 million. As of September 30, 2007, the borrowing base calculation permitted total borrowings of \$67.0 million, of which \$66.0 million remained available.

The interest rate on borrowings under the Facility will be, at our option, (i) an “alternate base rate” (as defined in the credit agreement) or (ii) for Eurodollar borrowings, a LIBOR rate plus an applicable margin. The amount of the margin will be based on our then-current leverage ratio as defined in the Facility credit agreement. The applicable margin will be increased by 0.50% with respect to any borrowings that are applied to repay the convertible senior notes.

We are obligated to pay a commitment fee of 0.25% per annum on the unused portion of the Facility. A significant portion of our assets are pledged as collateral for outstanding borrowings under the Facility. The Facility credit agreement restricts our ability to pay common stock dividends, incur additional debt, sell significant assets, acquire other businesses, merge with other entities and take certain other actions without the consent of the lenders. The credit agreement requires compliance with certain financial and non-financial covenants, including requirements to (i) maintain a minimum fixed charge coverage ratio of 1.25 to 1.0, and (ii) not exceed a maximum leverage ratio of 2.75 to 1.0 (upon retirement of the Convertible Notes debt, the maximum leverage ratio will be reduced to 2.50 to 1.0 for 12 months, and then to 2.0 to 1.0 thereafter). At September 30, 2007, we were in compliance with all of the covenants under the credit agreement.

In 2005, we issued 30,000 shares of a newly-designated Series D-1 Cumulative Convertible Preferred Stock (Series D-1 Preferred Stock) in a privately-negotiated transaction, and received \$29.8 million in net proceeds. We also granted to the Series D-1 Preferred Stock purchaser an option, which expires on February 16, 2008, to purchase up to an additional 40,000 shares of one or more additional series of Series D Preferred Stock. This option is currently exercisable. The additional series of Series D Preferred Stock that may be issued would have similar terms and conditions as the Series D-1 Preferred Stock, but would have a conversion price equal to 122% of the prevailing market price of our common stock at the time of issuance, and would not be less than \$6.31 per share (subject to adjustment in certain events). On July 13, 2007, the holder of the Series D-1 Preferred Stock notified us of its election to exercise its option to purchase 15,000 shares of a new series of Series D Preferred Stock for a purchase price of \$15 million, but the holder withdrew its notice prior to the completion of the purchase of the additional shares of Series D Preferred Stock.

The holders of the Series D-1 Preferred Stock currently have the right to cause us to redeem all or a portion of their shares of Series D-1 Preferred Stock for shares of registered common stock or, at our election, for cash. The number of shares of common stock to be issued by us upon redemption will be determined by dividing the stated value of the share of Series D-1 Preferred Stock being redeemed by the prevailing market price of our common stock at the time of such redemption. If we elect to redeem the shares of Series D-1 Preferred Stock for cash, then we will pay the holders a redemption cash amount, which will also be based on the market price of the shares of common stock otherwise issuable to such holders.

Our outstanding convertible senior notes mature on December 15, 2008. The convertible senior notes are not redeemable prior to their maturity, and are convertible into common stock at an initial conversion rate of 231.4815 shares per \$1,000 principal amount of notes (a conversion price of \$4.32 per share), which represents 13,888,890 total shares of common stock. We are considering various alternatives with regard to the repayment or refinancing of the indebtedness under these notes, which may include the use of our Facility. It is possible that any replacement of the debt capital represented by these notes in new debt capital may have the effect of increasing our overall borrowing costs.

The conversion price per share of common stock under the Series D-1 Preferred Stock and the convertible senior notes is substantially below the currently prevailing market prices for our common stock. Converting all of the Series D-1 Preferred Stock and convertible senior notes at one time would result in significant dilution to our stockholders that could limit our ability to raise additional capital.

Based on our forecasts and our liquidity requirements for the near term future, we believe that the combination of our projected internally generated cash, the borrowing availability under our revolving line of credit and our working capital (including our cash and cash equivalents on hand), will be sufficient to fund our operational needs and liquidity requirements for at least the next twelve months.

***Cash Flow from Operations***

We have historically financed operations from internally generated cash and funds from equity and debt financings. Cash and cash equivalents were \$26.0 million at September 30, 2007, an increase of \$9.0 million from December 31, 2006. Net cash provided by operating activities was approximately \$64.7 million for the nine months ended September 30, 2007 and 2006. Despite higher net income, our net cash provided by our operating activities was flat, primarily due to increased investment in our inventories and an increase in our unbilled receivables associated with our multi-client new venture activities, partially offset by a reduction in our accounts receivable due to increased collections.

### ***Cash Flow from Investing Activities***

Net cash flow used in investing activities was \$52.3 million for the nine months ended September 30, 2007, compared to \$33.3 million for the nine months ended September 30, 2006. The principal uses of cash in our investing activities during the nine months ended September 30, 2007 were \$45.2 million for investments in our multi-client data library and \$7.2 million for equipment purchases. We expect to spend an additional \$15 million to \$30 million for investments in our multi-client data library and on equipment purchases during the remainder of 2007. The range of expenditures for the remainder of the year could vary depending on the level of multi-client seismic data acquisition projects that are initiated during the remainder of 2007. In general, a majority or all of direct expenses associated with completing a multi-client survey are typically pre-funded by our customers.

### ***Cash Flow from Financing Activities***

Net cash flow used in financing activities was \$3.7 million for the nine months ended September 30, 2007, compared to \$7.6 million for the nine months ended September 30, 2006. The net cash flow used in financing activities during the nine months ended September 30, 2007 was primarily related to scheduled principal payments of \$6.5 million on our notes payable and capital lease obligations, \$1.8 million in cash dividends paid on our outstanding Series D-1 Preferred Stock and \$1.2 million of cancelled restricted stock for payment of employee minimum income taxes. This use of net cash flow was partially offset by \$5.9 million in proceeds related to the exercise of stock options and stock purchases by our employees during the nine months ended September 30, 2007.

### ***Inflation and Seasonality***

Inflation in recent years has not had a material effect on our costs of goods or labor, or the prices for our products or services. Traditionally, our business has been seasonal, with strongest demand in the fourth quarter of our fiscal year.

### ***Critical Accounting Policies and Estimates***

*General.* Please refer to our Annual Report on Form 10-K for the year ended December 31, 2006, for a complete discussion of our other significant accounting policies and estimates. There have been no material changes in the current period regarding our critical accounting policies and estimates, except for the following significant accounting policy:

In September 2006, the Financial Accounting Standards Board (FASB) issued FASB Interpretation No. 48, *“Accounting for Uncertainty in Income Taxes - an Interpretation of FASB Statement No. 109”* (FIN 48), which clarifies the accounting for uncertainty in income taxes recognized in accordance with Financial Accounting Standards No. 109, *“Accounting for Income Taxes”* (FAS 109). FIN 48 clarifies the application of FAS 109 by defining criteria that an individual tax position must meet for any part of the benefit of that position to be recognized in the financial statements. Additionally, FIN 48 provides guidance on the measurement, derecognition, classification and disclosure of tax positions, along with accounting for the related interest and penalties. The provisions of FIN 48 are effective for fiscal years beginning after December 15, 2006, with the cumulative effect of the change in accounting principle recorded as an adjustment to beginning retained earnings. We adopted FIN 48 on January 1, 2007. The adoption resulted in no adjustment to beginning retained earnings. See Note 7 of *Condensed Notes to Unaudited Consolidated Financial Statements* for additional information.

### ***Recent Accounting Pronouncements***

In September 2006, the FASB issued FAS No. 157, *“Fair Value Measurements”* (FAS 157). FAS 157 defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles and expands disclosures about fair value measurements. The provisions of FAS 157 are effective for fiscal years

beginning after November 15, 2007. We are currently evaluating the impact, if any, of this statement.

In February 2007, the FASB issued FAS No. 159, “*The Fair Value Option for Financial Assets and Financial Liabilities*” (FAS 159). FAS 159 allows companies the option to report certain financial assets and liabilities at fair value, establishes presentation and disclosure requirements and requires additional disclosure surrounding the valuation of the financial assets and liabilities presented at fair value on the balance sheet. The provisions of FAS 159 are effective for fiscal years beginning after November 15, 2007. We are currently evaluating the impact, if any, of this statement.

Effective July, 1, 2007, we adopted the Emerging Issues Task Force, or EITF, Topic D-109, "*Determining the Nature of a Host Contract Related to a Hybrid Financial Instrument Issued in the Form of a Share under FASB Statement No.133*" (Topic D-109). Topic D-109 conveys the SEC staff's views on determining whether the characteristics of a host contract in a hybrid financial instruments issued in the form of a share is more like debt or equity. The SEC staff believes that in evaluating an embedded derivative feature for separation under FASB Statement 133, the consideration of the economic characteristics and risks of the host contract should not ignore the stated or implied substantive terms and features of the hybrid financial instrument. The adoption of Topic D-109 did not have an impact on our financial position, results of operations, or cash flows. However, if the holders of our Series D-1 Preferred Stock exercised their right to purchase additional shares of Series D Preferred Stock, we would account for the transaction under this new guidance. These rights expire in February 2008.

### **Credit and Foreign Sales Risks**

Historically, our principal customers have been seismic contractors that operate seismic data acquisition systems and related equipment to collect data in accordance with their customers' specifications or for their own seismic data libraries. However, through the acquisition of GXT, we have diversified our customer base to include major integrated and independent oil and gas companies.

For the nine months ended September 30, 2007, we recognized \$119.4 million of sales to customers in Europe, \$98.8 million of sales to customers in Asia Pacific, \$26.3 million of sales to customers in Africa, \$21.9 million of sales to customers in the Middle East, \$11.6 million of sales to customers in Latin American countries, and \$39.1 million of sales to customers in the Commonwealth of Independent States, or former Soviet Union (CIS). The majority of our foreign sales are denominated in U.S. dollars. For the nine months ended September 30, 2007 and 2006, international sales comprised 63% and 74%, respectively of total net revenues. Certain of these countries have experienced economic problems and uncertainties from time to time. To the extent that world events or economic conditions negatively affect our future sales to customers in these and other regions of the world or the collectibility of our existing receivables, our future results of operations, liquidity and financial condition may be adversely affected. We currently require customers in these higher risk countries to provide their own financing and in some cases have assisted the customer in organizing international financing and Export-Import credit guarantees provided by the United States government. We do not currently extend long-term credit through notes to companies in countries we consider to be inappropriate for credit risk purposes.

For the nine months ended September 30, 2007, \$61.5 million, or 12.2%, of consolidated net revenues, were attributable to land system sales to ONGC. For the nine months ended September 30, 2007 and 2006, \$29.3 million, or 5.8%, and \$25.5 million, or 7.6%, respectively, of consolidated net revenues, were attributable to marine equipment sales to Reservoir Exploration Technology (RXT). The loss of these customers or deterioration in our relationship with either of these customers could have a material adverse effect on our results of operations and financial condition.

### **Item 3. *Quantitative and Qualitative Disclosures about Market Risk***

Please refer to Item 7A of our Annual Report on Form 10-K for the year ended December 31, 2006, for a discussion regarding the Company's quantitative and qualitative disclosures about market risk. There have been no material changes to those disclosures during the three months ended September 30, 2007.

### **Item 4. *Controls and Procedures***

*Disclosure Controls and Procedures.* Under the supervision and with the participation of management, including our principal executive officer and principal financial officer, we conducted an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures, as defined in Rules 13a - 15(e) and 15d - 15(e) under

the Securities Exchange Act of 1934, as amended (the Exchange Act), as of September 30, 2007. Based on this evaluation, our principal executive officer and principal financial officer concluded that as of September 30, 2007, our disclosure controls and procedures were effective such that the information relating to our company, including our consolidated subsidiaries, required to be disclosed in our SEC reports (i) is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms and (ii) is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

*Changes in Internal Control over Financial Reporting.* There were no changes in our internal control over financial reporting identified in connection with the evaluation required by Rule 13a-15(f) under the Exchange Act that was conducted during the prior fiscal quarter, which have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

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## PART II — OTHER INFORMATION

### Item 1. *Legal Proceedings.*

In September 2003, a former employee of the Company filed a lawsuit against us in the 127th Judicial District Court, Harris County, Texas, alleging that we terminated the employee's employment as the result of age discrimination. The case was transferred to the 268th District Court for Fort Bend County, Texas, and, in November 2005, the case was removed to the United States District Court for the Southern District of Texas (*Gaines Watkins v. Input/Output, Inc., Civil Action No. H-05-03940*). In June 2007, the case was tried to a jury, and the jury returned a verdict in favor of the plaintiff and found that the plaintiff was entitled to a total of \$500,000 in pay. The jury also found that we acted willfully in discharging the plaintiff. Under the Age Discrimination in Employment Act of 1967, the plaintiff may be awarded an additional amount of liquidated damages equal to the plaintiff's lost back wages if the jury determined that the age discrimination was willful. On August 17, 2007, the presiding judge awarded a total of \$1,270,486 to the plaintiff. On September 28, 2007, we and the plaintiff entered into a Settlement Agreement and Release, whereby the parties agreed that we would pay \$1,150,000 in full settlement of the case and the judgment. An estimated loss of \$1.0 million was recorded during the second quarter of this year. The remainder of the settlement amount was expensed in the third quarter of this year.

We have been named in various other lawsuits or threatened actions that are incidental to our ordinary business. Such lawsuits and actions could increase in number as our business expands and we grow larger. Litigation is inherently unpredictable. Any claims against us, whether meritorious or not, could be time consuming, cause us to incur costs and expenses, require significant amounts of management time and result in the diversion of significant operational resources. The results of these lawsuits and actions cannot be predicted with certainty. We currently believe that the ultimate resolution of these matters will not have a material adverse impact on our financial condition, results of operations or liquidity.

### Item 1A. *Risk Factors.*

This report (as well as certain oral statements made from time to time by authorized representatives on behalf of our company) contain statements concerning our future results and performance and other matters that are "forward-looking" statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the Securities Act), and Section 21E of the Exchange Act. These statements involve known and unknown risks, uncertainties, and other factors that may cause our or our industry's results, levels of activity, performance, or achievements to be materially different from any future results, levels of activity, performance, or achievements expressed or implied by such forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "may," "will," "should," "intend," "expect," "plan," "anticipate," "believe," "estimate," "predict," "continue" or the negative of such terms or other comparable terminology. Examples of other forward-looking statements contained in this report (or in such oral statements) include statements regarding:

- expected net revenues, operating profit and net income;
- expected gross margins for our products and services;
- future benefits to our customers to be derived from new products and services, such as Scorpion and FireFly;
- future growth rates for certain of our products and services;
- future sales to our significant customers;
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expectations of oil and natural gas exploration and production companies and contractor end-users purchasing our more expensive, more technologically advanced products and services;

- the degree and rate of future market acceptance of our new products and services;
- expectations regarding future mix of business and future asset recoveries;
  - the timing of anticipated sales;

anticipated timing and success of commercialization and capabilities of products and services under development, and start-up costs associated with their development;

- expected improved operational efficiencies from our full-wave digital products and services;
  - potential future acquisitions;
  - future levels of capital expenditures;

future cash needs and future sources of cash, including availability under our new revolving line of credit facility and the retirement of our outstanding convertible senior notes that mature in December 2008;

- the outcome of pending or threatened disputes and other contingencies;
  - future demand for seismic equipment and services;
  - future seismic industry fundamentals;
  - the adequacy of our future liquidity and capital resources;
  - future oil and gas commodity prices;
- future opportunities for new products and projected research and development expenses;
  - future worldwide economic conditions;
  - success in integrating our acquired businesses;
  - expectations regarding realization of deferred tax assets; and
  - anticipated results regarding accounting estimates we make.

These forward-looking statements reflect our best judgment about future events and trends based on the information currently available to us. Our results of operations can be affected by inaccurate assumptions we make or by risks and uncertainties known or unknown to us. Therefore, we cannot guarantee the accuracy of the forward-looking statements. Actual events and results of operations may vary materially from our current expectations and assumptions.

Information regarding factors that may cause actual results to vary from our expectations, called “risk factors,” appears in our Annual Report on Form 10-K for the year ended December 31, 2006 in Part I, Item 1A. “Risk Factors” and in our Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2007 in Part II, Item 1A. “Risk Factors.” There have been no material changes from the risk factors previously disclosed in that Form 10-K and Form 10-Q.

**Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.**

(c) During the three months ended September 30, 2007, the Company withheld and subsequently cancelled shares of our common stock to satisfy the minimum statutory income tax withholding obligation on the vesting of restricted stock for related employees. The date of cancellation, number of shares and average effective acquisition price per share, were as follows:

| <b>Period</b>                              | <b>(a)<br/>Total Number of<br/>Shares<br/>Acquired</b> | <b>(b)<br/>Average Price<br/>Paid Per Share</b> | <b>(c) Total Number of<br/>Shares Purchased as<br/>Part of Publicly<br/>Announced Plans or<br/>Program</b> | <b>(d) Maximum Number<br/>(or Approximate<br/>Dollar<br/>Value) of Shares<br/>That<br/>May Yet Be Purchased<br/>Under the Plans or<br/>Program</b> |
|--|--|---|--|--|
| July 1, 2007 to July 31, 2007              | 177  | \$ 16.46  | Not applicable   | Not applicable   |
| August 1, 2007 to August<br>31, 2007       | 29,226   | \$ 14.45  | Not applicable   | Not applicable   |
| September 1, 2007 to<br>September 30, 2007 | 57,034   | \$ 14.14  | Not applicable   | Not applicable   |
| Total                                      | 86,437   | \$ 14.24  |  |  |

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**Item 6. Exhibits**

- 31.1 Certification of President and Chief Executive Officer Pursuant to Rule 13a-14(a).
- 31.2 Certification of Executive Vice President and Chief Financial Officer Pursuant to Rule 13a-14(a).
- 32.1 Certification of President and Chief Executive Officer Pursuant to 18 U.S.C. §1350.
- 32.2 Certification of Executive Vice President and Chief Financial Officer Pursuant to 18 U.S.C. §1350.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

ION GEOPHYSICAL CORPORATION

By /s/ R. Brian Hanson  
R. Brian Hanson  
*Executive Vice President and Chief Financial Officer*

Date: November 8, 2007

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**EXHIBIT INDEX**

| <b>Exhibit No.</b> | <b>Description</b>   |
|--------------------|--|
| 31.1               | Certification of President and Chief Executive Officer Pursuant to Rule 13a-14(a).                 |
| 31.2               | Certification of Executive Vice President and Chief Financial Officer Pursuant to Rule 13a-14(a).  |
| 32.1               | Certification of President and Chief Executive Officer Pursuant to 18 U.S.C. §1350.                |
| 32.2               | Certification of Executive Vice President and Chief Financial Officer Pursuant to 18 U.S.C. §1350. |
| 24                 |  |

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