UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): October 18, 2016

MANHATTAN ASSOCIATES, INC.

(Exact Name of Registrant as Specified in Its Charter)

Georgia

(State or Other Jurisdiction of Incorporation or organization)

0-23999 (Commission File Number) **58-2373424** (I.R.S. Employer Identification No.)

2300 Windy Ridge Parkway, Tenth Floor, Atlanta, Georgia

30339

(Address of Principal Executive Offices) (Zip Code)

(770) 955-7070

(Registrant's telephone number, including area code)

NONE

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Dere-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 2.02 Results of Operations and Financial Condition.

On October 18, 2016, Manhattan Associates, Inc. (the "Company") issued a press release providing its financial results for the three and nine months ended September 30, 2016. A copy of this press release is attached as Exhibit 99.1. Pursuant to General Instruction B.2 of Form 8-K, this exhibit is "furnished" and not "filed" for purposes of Section 18 of the Securities Exchange Act of 1934.

Non-GAAP Financial Measures in the Press Release

The press release includes, as additional information regarding our operating results, our adjusted operating income, adjusted net income and adjusted diluted earnings per share, which exclude the impact of equity-based compensation and acquisition-related costs, and the related income tax effects of both. We have developed our internal reporting, compensation and planning systems using these additional financial measures.

These various measures are not in accordance with, or alternatives for, financial measures calculated in accordance with generally accepted accounting principles in the United States ("GAAP") and may be different from similarly titled non-GAAP financial measures used by other companies. Non-GAAP financial measures should not be used as a substitute for, or considered superior to, measures of financial performance prepared in accordance with GAAP.

Non-GAAP measures used in the press release exclude the impact of the items described above for the following reasons:

- Equity-based compensation expense typically does not require cash settlement by the Company. We do not include this expense and the related income tax effects when assessing our operating performance, and believe our peers also typically present non-GAAP results that exclude equity-based compensation expense.
- From time to time, we incur acquisition-related costs consisting primarily of (i) accounting and legal expenses, whether or not we ultimately consummate a proposed acquisition, (ii) certain unusual costs, such as employee retention benefits, resulting from pre-acquisition arrangements, and (iii) amortization of acquisition-related intangible assets. These costs are difficult to predict and, if and when incurred, generally are not expenses associated with our core operations. We exclude these costs and the related income tax effects from our internal assessments of our operating performance, and believe our peers also typically present non-GAAP results that exclude similar acquisition-related costs.

We believe the reporting of adjusted operating income, adjusted net income and adjusted earnings per share facilitates investors' understanding of our historical operating trends, because it provides supplemental measurement information in evaluating the operating results of our business. We also believe that adjusted operating income, adjusted net income and adjusted earnings per share provide a basis for comparisons to other companies in the industry and enable investors to evaluate our operating performance in a manner consistent with our internal basis of measurement. Management refers to adjusted operating income, adjusted net income and adjusted net income and adjusted earnings per share in making operating decisions because we believe they provide meaningful supplemental information regarding our operational performance and our ability to invest in research and development and fund acquisitions and capital expenditures. In addition, adjusted operating income, adjusted net income and adjusted earnings

1

per share facilitate management's internal comparisons to our historical operating results and comparisons to competitors' operating results.

Further, we rely on adjusted operating income, adjusted net income and adjusted net income per share information as primary measures to review and assess the operating performance of our Company and our management team in connection with our executive compensation and bonus plans. Since most of our employees are not directly involved with decisions surrounding acquisitions and other items that are not central to our core operations, we do not believe it is appropriate or fair to have their incentive compensation affected by these items.

Item 9.01 Financial Statements and Exhibits.

(d)	Exhibits.

ExhibitDescription99.1Press Release, dated October 18, 2016

2

SIGNATURES

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

Manhattan Associates, Inc.

By: <u>/s/ Dennis B. Story</u> Dennis B. Story Executive Vice President, Chief Financial Officer and Treasurer

Dated: October 18, 2016

3

EXHIBIT INDEX

Exhibit <u>Number</u><u>Description</u>

99.1 Press Release, dated October 18, 2016



Contact: Dennis Story Chief Financial Officer Manhattan Associates, Inc. 770-955-7070 dstory@manh.com Beverly McDonald Senior Director, Corporate Marketing Manhattan Associates, Inc. 678-597-6528 bmcdonald@manh.com

Manhattan Associates Reports Record Third Quarter 2016 Performance Company raises full-year EPS guidance

ATLANTA – October 18, 2016 – Leading Supply Chain Commerce Solutions provider Manhattan Associates, Inc. (NASDAQ: MANH) today reported record Q3 GAAP diluted earnings per share for the third quarter ended September 30, 2016, of \$0.47 compared to \$0.38 in Q3 2015, on record Q3 license revenue of \$21.6 million and record Q3 total revenue of \$152.2 million. Non-GAAP adjusted diluted earnings per share for Q3 2016 was a record \$0.50 compared to \$0.42 in Q3 2015.

"We delivered another good quarter of financial performance growing our business with solid customer activity and competitive win rates," said Eddie Capel, Manhattan Associates President and CEO. "We remain focused on serving our customers and investing in omni-channel, retail store and distribution management innovation to extend our market leadership. Demand for our solutions continues to be solid and we are making excellent progress with our innovation road map. Our outlook for the balance of 2016 and beyond is quite positive."

THIRD QUARTER 2016 FINANCIAL SUMMARY:

- GAAP diluted earnings per share was \$0.47 in Q3 2016, compared to \$0.38 in Q3 2015.
- Adjusted diluted earnings per share, a non-GAAP measure, was \$0.50 in Q3 2016, compared to \$0.42 in Q3 2015.
- Consolidated total revenue was \$152.2 million in Q3 2016, compared to \$142.3 million in Q3 2015. License revenue was \$21.6 million in Q3 2016, compared to \$19.1 million in Q3 2015.

Global Headquarters 2300 Windy Ridge Parkway Tenth Floor Atlanta, Georgia 30339 USA tel + 1 770 955 7070 fax + 1 770 955 0302 email info@manh.com www.manh.com

upply chain **commerce** delivered[™]



- GAAP operating income was \$53.6 million in Q3 2016, compared to \$43.7 million in Q3 2015.
- Adjusted operating income, a non-GAAP measure, was \$57.2 million in Q3 2016, compared to \$49.1 million in Q3 2015.
- Cash flow from operations was \$42.0 million in Q3 2016, compared to \$41.3 million in Q3 2015. Days Sales Outstanding was 60 days at September 30, 2016, compared to 55 days at June 30, 2016.
- Cash and investments totaled \$110.8 million at September 30, 2016, compared to \$95.2 million at June 30, 2016.
- During the three months ended September 30, 2016, the Company repurchased 420,412 shares of Manhattan Associates common stock under the share repurchase program authorized by the Board of Directors, for a total investment of \$25.0 million. In October 2016, the Board of Directors approved raising the Company's share repurchase authority to an aggregate of \$50.0 million of the Company's outstanding common stock.

NINE MONTH 2016 FINANCIAL SUMMARY:

- GAAP diluted earnings per share for the nine months ended September 30, 2016, was a record \$1.30, compared to \$1.04 for the nine months ended September 30, 2015.
- Adjusted diluted earnings per share, a non-GAAP measure, was a record \$1.41 for the nine months ended September 30, 2016, compared to \$1.14 for the nine months ended September 30, 2015.
- Consolidated revenue for the nine months ended September 30, 2016, was a record \$457.0 million, compared to \$414.9 million for the nine months ended September 30, 2015. License revenue was a record \$62.9 million for the nine months ended September 30, 2016, compared to \$58.2 million for the nine months ended September 30, 2016.

Global Headquarters 2300 Windy Ridge Parkway Tenth Floor Atlanta, Georgia 30339 USA tel + 1 770 955 7070 fax + 1 770 955 0302 email info@manh.com www.manh.com

upply chain **commerce** delivered[™]



- GAAP operating income was a record \$149.0 million for the nine months ended September 30, 2016, ٠ compared to \$121.9 million for the nine months ended September 30, 2015.
- Adjusted operating income, a non-GAAP measure, was a record \$161.0 million for the nine months ended September 30, 2016, compared to \$133.3 million for the nine months ended September 30, 2015.
- Cash flow from operations was a record \$101.5 million in the nine months ended September 30, 2016. compared to \$84.0 million in the nine months ended September 30, 2015.
- During the nine months ended September 30, 2016, the Company repurchased 1,864,018 shares of Manhattan Associates common stock under the share repurchase program authorized by the Board of Directors, for a total investment of \$108.5 million.

SALES ACHIEVEMENTS:

- Recognized license revenue of \$1.0 million or more on five new contracts during Q3 2016. •
- Completed software license wins with new customers such as: Arhaus, Brightstar, Custom Goods, . Euromaster Tires, LTI Trucking, 1912, Raia Drogasil, Saint-Gobain and SDR Distribution Services.
- Expanded relationships with existing customers such as: Allen Edmonds, Asda, Bally Technologies, Conair, Costa del Mar, Five Below, Floor & Decor, Gerber Childrenswear, Hy-Vee, J.Crew, L Brands, Langham Logistics, LS Distribution North America, National DCP, O'Key, Össur, Ozburn-Hessey Logistics, Padini, Perfect 10, Precision Planting, Rhee Brothers, Samson Opt, Purcotton, Simplehuman, Southern Glazer's Wine & Spirits, Stella & Dot, Super Retail Group, The Travis Association for the Blind, Thermwell Products, TwinMed, Uline, Uni-Select, UPS Supply Chain, VF Services and West Coast Distribution.
 - Global Headquarters
 tel + 1 770 955 7070

 2300 Windy Ridge Parkway
 fax + 1 770 955 0302

 Task Flore
 fax + 1 770 955 0302
 Tenth Floor Atlanta, Georgia 30339 USA
 - email info@manh.com www.manh.com



2016 GUIDANCE

Manhattan Associates provides the following revenue and diluted earnings per share guidance for the full year 2016:

	G	uidan	ce Range	- 2016 Full Ye	ar
(\$'s in millions, except EPS)	 \$ Ra	ange		% Grow	th Range
Total revenue - current guidance	\$ 603	\$	609	8%	9%
Total revenue - previous guidance	\$ 615	\$	620	11%	12%
)iluted earnings per share (EPS):					
GAAP EPS - current guidance Equity-based compensation	\$ 1.68 0.14	\$	1.70 0.14	20%	21%
Purchase amortization	 		-		
Adjusted EPS ⁽¹⁾ - current guidance	\$ 1.82	\$	1.84	20%	21%
GAAP EPS - previous guidance	\$ 1.63	\$	1.66 0.15	16%	19%
Equity-based compensation Purchase amortization	0.15		-		
Adjusted EPS ⁽¹⁾ - previous guidance	\$ 1.78	\$	1.81	17%	19%

Manhattan Associates currently intends to publish, in each quarterly earnings release, certain expectations with respect to future financial performance. Those statements, including the guidance provided above, are forward looking. Actual results may differ materially. Those statements, including the guidance provided above, do not reflect the potential impact of mergers, acquisitions or other business combinations that may be completed after the date of the release.

Manhattan Associates will make its earnings release and published expectations available on its website (www.manh.com). Following publication of this earnings release, any expectations with respect to future financial performance contained in this release, including the guidance above, should be considered historical only, and Manhattan Associates disclaims any obligation to update them.

> Global Headquarters 2300 Windy Ridge Parkway fax + 1 770 955 0302 Tenth Floor Atlanta, Georgia 30339 USA

tel + 1 770 955 7070 email info@manh.com www.manh.com



CONFERENCE CALL

The Company's conference call regarding its third quarter financial results will be held today, October 18, 2016, at 4:30 p.m. Eastern Daylight Time. Investors are invited to listen to a live webcast of the conference call through the investor relations section of Manhattan Associates' website at <u>www.manh.com</u>. To listen to the live webcast, please go to the website at least 15 minutes before the call to download and install any necessary audio software.

For those who cannot listen to the live broadcast, a replay can be accessed shortly after the call by dialing +1.855.859.2056 in the U.S. and Canada, or +1.404.537.3406 outside the U.S., and entering the conference identification number 81439460 or via the web www.manh.com. The phone replay will be available for two weeks after the call, and the Internet webcast will be available until Manhattan Associates' fourth quarter 2016 earnings release.

GAAP VERSUS NON-GAAP PRESENTATION

The Company provides adjusted operating income, adjusted net income and adjusted diluted earnings per share in this press release as additional information regarding the Company's historical and projected operating results. These measures are not in accordance with – or alternatives to – GAAP, and may be different from non-GAAP operating income, non-GAAP net income and non-GAAP earnings per share measures used by other companies. The Company believes that the presentation of these non-GAAP financial measures facilitates investors' ability to understand and compare the Company's results and guidance, because the measures provide supplemental information in evaluating the operating results of its business, as distinct from results that include items that are not indicative of ongoing operating results, and because the Company believes its peers typically publish similar non-GAAP measures. This release should be read in conjunction with the Company's Form 8-K earnings release filing for the quarter and nine months ended September 30, 2016.

Non-GAAP adjusted operating income, adjusted net income and adjusted diluted earnings per share exclude the impact of equity-based compensation and acquisition-related costs and the amortization thereof – all net of income tax effects. Reconciliations of the Company's GAAP

Global Headquarters 2300 Windy Ridge Parkway Tenth Floor Atlanta, Georgia 30339 USA tel + 1 770 955 7070 fax + 1 770 955 0302 email info@manh.com www.manh.com

chain **commerce** delivered[™]



financial measures to non-GAAP adjustments are included in the supplemental information attached to this release.

ABOUT MANHATTAN ASSOCIATES

Manhattan Associates makes commerce-ready supply chains that bring all points of commerce together so you're ready to sell and ready to execute. Across the store, through your network or from your fulfillment center, we design, build and deliver market-leading solutions that support both top-line growth and bottom-line profitability. By converging front-end sales with back-end supply chain execution, our software, platform technology and unmatched experience help our customers get commerce ready-and ready to reap the rewards of the omnichannel marketplace. For more information, please visit www.manh.com.

This press release contains "forward-looking statements" relating to Manhattan Associates, Inc. Forward-looking statements in this press release include the information set forth under "2016 Guidance." Prospective investors are cautioned that any such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, and that actual results may differ materially from those contemplated by such forward-looking statements. Among the important factors that could cause actual results to differ materially from those indicated by such forward-looking statements are: uncertainty about the global economy, delays in product development, competitive pressures, software errors, information security breaches and the risk factors set forth in Item 1A of the Company's Annual Report on Form 10-K for the year ended December 31, 2015 and Form 10-Q for the quarter ended June 30, 2016. Manhattan Associates undertakes no obligation to update or revise forward-looking statements to reflect changed assumptions, the occurrence of unanticipated events or changes in future operating results.

###

Global Headquarters tel + 1 770 955 7070 2300 Windy Ridge Parkway fax + 1 770 955 0302 Tenth Floor Atlanta, Georgia 30339 USA

email info@manh.com www.manh.com

MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES Condensed Consolidated Statements of Income (in thousands, except per share amounts)

	Thi	ee Months Ende	Ni	ine Months End	Ended September 30,			
		2016		2015		2016		2015
	(u	naudited)	(u	naudited)	(1	inaudited)	(u	naudited)
Revenue:								
Software license	\$	21,633	\$	19,130	\$	62,871	\$	58,202
Services		119,267		112,549		355,363		321,096
Hardware and other		11,313		10,625		38,731		35,638
Total revenue		152,213		142,304		456,965		414,936
Costs and expenses:								
Cost of license		2,966		2,305		8,401		7,348
Cost of services		49,436		46,682		149,733		137,930
Cost of hardware and other		9,276		9,109		30,874		29,819
Research and development		13,389		13,589		41,553		40,402
Sales and marketing		10,003		10,904		34,606		34,640
General and administrative		11,225		14,058		36,041		37,223
Depreciation and amortization		2,334		1,977		6,806		5,656
Total costs and expenses		98,629		98,624		308,014		293,018
Operating income		53,584		43,680		148,951		121,918
Other income, net		210		604		1,384		1,225
Income before income taxes		53,794		44,284		150,335		123,143
Income tax provision		20,298		16,387		56,018		46,038
Net income	\$	33,496	\$	27,897	\$	94,317	\$	77,105
Basic earnings per share	\$	0.47	\$	0.38	\$	1.31	\$	1.05
Diluted earnings per share	\$	0.47	\$	0.38	\$	1.30	\$	1.04
Weighted average number of shares:								
Basic		71,403		73,259		71,981		73,616
Diluted		71,743		73,761		72,340		74,162

MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES Reconciliation of Selected GAAP to Non-GAAP Measures (in thousands, except per share amounts)

	Т	hree Months En	ded Sept	ember 30,	Nine Months Ended September 30,							
		2016		2015		2016		2015				
Operating income	\$	53,584	\$	43,680	\$	148,951	\$	121,918				
Equity-based compensation (a)		3,541		5,348		11,724		11,087				
Purchase amortization (b)		107		113		322		325				
Adjusted operating income (Non-GAAP)	<u>\$</u>	57,232	\$	49,141	\$	160,997	\$	133,330				
Income tax provision	\$	20,298	\$	16,387	\$	56,018	\$	46,038				
Equity-based compensation (a)	•	1,310	*	2,011	· ·	4,338	*	4,169				
Purchase amortization (b)		40		42		119		122				
Adjusted income tax provision (Non-GAAP)	\$	21,648	\$	18,440	\$	60,475	\$	50,329				
Net income	\$	33,496	\$	27,897	\$	94,317	\$	77,105				
Equity-based compensation (a)		2,231		3,337		7,386		6,918				
Purchase amortization (b)	. <u></u>	67		71		203		203				
Adjusted net income (Non-GAAP)	<u>\$</u>	35,794	\$	31,305	\$	101,906	\$	84,226				
Diluted EPS	\$	0.47	\$	0.38	\$	1.30	\$	1.04				
Equity-based compensation (a)		0.03		0.05		0.10		0.09				
Purchase amortization (b)		-		-		-		-				
Adjusted diluted EPS (Non-GAAP)	\$	0.50	\$	0.42	\$	1.41	\$	1.14				
Fully diluted shares		71,743		73,761		72,340		74,162				

(a) Adjusted results exclude all equity-based compensation, to facilitate comparison with our peers and for the other reasons explained in our Current Report on Form 8-K filed with the SEC on the date hereof. Equity-based compensation is included in the following GAAP operating expense lines for the three and nine months ended September 30, 2016 and 2015:

	Thi	ee Months En	tember 30,	Nine Months Ended September 30,						
	2016			2015		2016		2015		
Cost of services	\$	828	\$	504	\$	2,975	\$	2,024		
Research and development		548		575		1,922		1,503		
Sales and marketing		558		847		1,838		1,727		
General and administrative		1,607		3,422		4,989		5,833		
Total equity-based compensation	\$	3,541	\$	5,348	\$	11,724	\$	11,087		

(b) Adjustments represent purchased intangibles amortization from prior acquisition. Such amortization is excluded from adjusted results to facilitate comparison with our peers, to facilitate comparisons of the results of our core operations from period to period and for the other reasons explained in our Current Report on Form 8-K filed with the SEC on the date hereof.

MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES Condensed Consolidated Balance Sheets (in thousands, except share and per share data)

		ember 30, 2016 Inaudited)	Dece	mber 31, 2015
ASSETS				
Current Assets:				
Cash and cash equivalents	\$	110,831	\$	118,416
Short-term investments		-		10,344
Accounts receivable, net of allowance of \$4,208 and \$7,031, respectively		98,895		97,379
Prepaid expenses and other current assets		12,513		10,772
Total current assets		222,239		236,911
Property and equipment, net		19,995		21,176
Goodwill, net		62,237		62,233
Deferred income taxes		4,922		4,648
Other assets		6,688		7,275
Total assets	\$	316,081	\$	332,243
LIABILITIES AND SHAREHOLDERS' EQUITY				
Current liabilities:				
Accounts payable	\$	9,548	\$	11,219
Accrued compensation and benefits		18,237		29,284
Accrued and other liabilities		12,611		13,853
Deferred revenue		69,067		68,757
Income taxes payable		9,813		4,072
Total current liabilities		119,276		127,185
Other non-current liabilities		9,771		9,566
Shareholders' equity:				
Preferred stock, no par value; 20,000,000 shares authorized, no shares issued or outstanding in 2016 and 2015		-		-
Common stock, \$0.01 par value; 200,000,000 shares authorized; 71,189,036 and 72,766,383 shares issued and outstanding at September 30, 2016 and December 31, 2015, respectively		712		728
Retained earnings		200,343		207,070
Accumulated other comprehensive loss		(14,021)		(12,306)
Total shareholders' equity		187,034		195,492
Total liabilities and shareholders' equity	\$	316,081	\$	332,243
	÷	210,001	*	552,215

MANHATTAN ASSOCIATES, INC. AND SUBSIDIARIES Condensed Consolidated Statements of Cash Flows (in thousands)

	Ν	d September	September 30,			
	2	016	2015			
	(una	udited)	(una	udited)		
Operating activities:						
Net income	\$	94,317	\$	77,105		
Adjustments to reconcile net income to net cash provided by operating activities:						
Depreciation and amortization		6,806		5,656		
Equity-based compensation		11,724		11,087		
Loss (Gain) on disposal of equipment		19		(38)		
Tax benefit of stock awards exercised/vested		5,166		8,435		
Excess tax benefits from equity-based compensation		(5,170)		(8,413)		
Deferred income taxes		(259)		712		
Unrealized foreign currency (gain) loss		(363)		86		
Changes in operating assets and liabilities:						
Accounts receivable, net		(1,850)		(6,609)		
Other assets		(1,555)		(1,592)		
Accounts payable, accrued and other liabilities		(14,033)		(8,444)		
Income taxes		6,063		(602)		
Deferred revenue		633		6,651		
Net cash provided by operating activities		101,498		84,034		
Investing activities:						
Purchase of property and equipment		(5,465)		(9,619)		
Net maturities (purchases) of investments		10,201		(1,825)		
Net cash provided by (used in) investing activities		4,736		(11,444)		
Financing activities:						
Purchase of common stock		(117,968)		(86,839)		
Proceeds from issuance of common stock from options exercised		18		568		
Excess tax benefits from equity-based compensation		5,170		8,413		
Net cash used in financing activities		(112,780)		(77,858)		
Foreign currency impact on cash		(1,039)		(1,411)		
Net change in cash and cash equivalents		(7,585)		(6,679		
Cash and cash equivalents at beginning of period		118,416		115,708		
Cash and cash equivalents at end of period	\$	110,831	\$	109,029		

MANHATTAN ASSOCIATES, INC. SUPPLEMENTAL INFORMATION

1. GAAP and Adjusted earnings per share by quarter are as follows:

	2015												2016							
	18	st Qtr	21	nd Qtr	3	rd Qtr	4	th Qtr	F	ull Year		1st Qtr	2	nd Qtr	3	rd Qtr		YTD		
GAAP Diluted EPS	\$	0.31	\$	0.35	\$	0.38	\$	0.36	\$	1.40	\$	0.38	\$	0.46	\$	0.47	\$	1.30		
Adjustments to GAAP:																				
Equity-based																				
compensation		0.03		0.02		0.05		0.03		0.12		0.04		0.03		0.03		0.10		
Purchase amortization		-		-		-		-		-		-		-		-		-		
Adjusted Diluted EPS	\$	0.34	\$	0.37	\$	0.42	\$	0.39	\$	1.52	\$	0.42	\$	0.49	\$	0.50	\$	1.41		
Fully Diluted Shares	,	74,607		74,126		73,761		73,555		74,038		73,020		72,228		71,743		72,340		

2. Revenues and operating income by reportable segment are as follows (in thousands):

			2015			2016										
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Full Year	1st Qtr	2nd Qtr	3rd Qtr	YTD							
Revenue:																
Americas	\$ 109,959	\$117,154	\$ 120,118	\$ 117,245	\$ 464,476	\$ 128,807	\$ 131,018	\$ 130,099	\$ 389,924							
EMEA	18,305	17,175	16,829	17,767	70,076	15,686	18,185	15,078	48,949							
APAC	5,259	4,780	5,357	6,423	21,819	5,367	5,689	7,036	18,092							
	\$ 133,523	\$ 139,109	\$ 142,304	\$ 141,435	\$ 556,371	\$ 149,860	\$ 154,892	\$ 152,213	\$ 456,965							
GAAP Operating Income:																
Americas	\$ 30,182	\$ 36,214	\$ 36,407	\$ 31,020	\$ 133,823	\$ 37,454	\$ 44,126	\$ 46,213	\$ 127,793							
EMEA	5,522	4,516	5,909	6,363	22,310	4,439	6,854	4,822	16,115							
APAC	1,160	644	1,364	2,145	5,313	1,206	1,288	2,549	5,043							
	\$ 36,864	\$ 41,374	\$ 43,680	\$ 39,528	\$ 161,446	\$ 43,099	\$ 52,268	\$ 53,584	\$ 148,951							
Adjustments (pre-tax):																
Americas:																
Equity-based																
compensation	\$ 3,078	\$ 2,661	\$ 5,348	\$ 3,441	\$ 14,528	\$ 4,688	\$ 3,495	\$ 3,541	\$ 11,724							
Purchase amortization	106	106	113	107	432	107	108	107	322							
	\$ 3,184	\$ 2,767	\$ 5,461	\$ 3,548	<u>\$ 14,960</u>	<u>\$ 4,795</u>	\$ 3,603	\$ 3,648	<u>\$ 12,046</u>							
Adjusted non-GAAP																
Operating Income:																
Americas	\$ 33,366	\$ 38,981	\$ 41,868	\$ 34,568	\$ 148,783	\$ 42,249	\$ 47,729	\$ 49,861	\$ 139,839							
EMEA	5,522	4,516	5,909	6,363	22,310	4,439	6,854	4,822	16,115							
APAC	1,160	644	1,364	2,145	5,313	1,206	1,288	2,549	5,043							
	\$ 40,048	\$ 44,141	\$ 49,141	\$ 43,076	\$ 176,406	\$ 47,894	\$ 55,871	\$ 57,232	\$ 160,997							

3. Our services revenue consists of fees generated from professional services and customer support and software enhancements related to our software products as follows (in thousands):

			2015			20)16			
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Full Year	1st Qtr	2nd Qtr	3rd Qtr	YTD	
Professional services	\$ 72,659	\$ 76,548	\$ 80,994	\$ 74,423	\$ 304,624	\$ 84,506	\$ 86,992	\$ 84,843	\$ 256,341	
Customer support and										
software enhancements	28,544	30,796	31,555	32,559	123,454	31,757	32,841	34,424	99,022	
Total services revenue	\$ 101,203	\$ 107,344	\$ 112,549	\$ 106,982	\$ 428,078	\$ 116,263	\$ 119,833	\$ 119,267	\$ 355,363	

4. Hardware and other revenue includes the following items (in thousands):

						2015		2016										
	1	st Qtr	2	2nd Qtr		· 3rd Qtr		4th Qtr	th Qtr Full Ye		1st Qtr		2nd Qtr		3rd Qtr			YTD
Hardware revenue	\$	7,730	\$	7,080	\$	5,462	\$	9,243	\$	29,515	\$	8,761	\$	9,554	\$	6,543	\$	24,858
Billed travel		5,276		4,927		5,163		4,797		20,163		4,229		4,874		4,770		13,873
Total hardware and other revenue	\$	13.006	\$	12.007	\$	10.625	\$	14.040	\$	49.678	\$	12,990	\$	14.428	\$	11,313	\$	38,731
other revenue	φ	10,000	φ	12,507	φ	10,025	φ	11,040	Ψ	12,070	φ	12,770	φ	1 1,120	φ	11,515	Ψ	50,751

5. Impact of Currency Fluctuation

The following table reflects the increases (decreases) in the results of operations for each period attributable to the change in foreign currency exchange rates from the prior period as well as foreign currency gains (losses) included in other income, net for each period (in thousands):

						2015		2016											
	1	st Qtr	2	2nd Qtr		8rd Qtr	4th Qtr		Full Year		1st Qtr		2nd Qtr		3rd Qtr			YTD	
Revenue	\$	(3,426)	\$	(3,599)	\$	(3,421)	\$	(2,263)	\$	(12,709)	\$	(810)	\$	(474)	\$	(784)	\$	(2,068)	
Costs and expenses		(2,546)		(3,201)		(2,820)		(2,058)		(10,625)		(1,292)		(702)		(782)		(2,776)	
Operating income		(880)		(398)		(601)	_	(205)	_	(2,084)		482		228		(2)		708	
Foreign currency (losses) gains in other income		(86)		(4)		213		(199)		(76)		165		331		(72)		424	
	\$	(966)	\$	(402)	\$	(388)	\$	(404)	\$	(2,160)	\$	647	\$	559	\$	(74)	\$	1,132	

Manhattan Associates has a large research and development center in Bangalore, India. The following table reflects the increases (decreases) in the financial results for each period attributable to changes in the Indian Rupee exchange rate (in thousands):

					2	2015								20	016		
	1 st	t Qtr	2n	ıd Qtr	3r	•d Qtr	41	h Qtr	Fu	ıll Year	1	st Qtr	2 r	nd Qtr	31	rd Qtr	YTD
Operating income	\$	72	\$	468	\$	571	\$	492	\$	1,603	\$	682	\$	459	\$	259	\$ 1,400
Foreign currency gains (losses) in other income		45		182		423		2		652		(109)		212		(44)	59
Total impact of changes in the Indian Rupee	\$	117	\$	650	\$	994	\$	494	\$	2,255	\$	573	\$	671	\$	215	\$ 1,459

6. Other income (loss) includes the following components (in thousands):

	2015								2016									
	18	t Qtr	2 r	d Qtr	3r	d Qtr	4	th Qtr	Fu	ull Year	1	st Qtr	2 r	ıd Qtr	31	d Qtr		YTD
Interest income	\$	324	\$	335	\$	336	\$	336	\$	1,331	\$	335	\$	329	\$	281	\$	945
Foreign currency (losses)																		
gains		(86)		(4)		213		(199)		(76)		165		331		(72)		424
Other non-operating																		
income (expense)		24		28		55		33		140		20		(6)		1		15
Total other income (loss)	\$	262	\$	359	\$	604	\$	170	\$	1,395	\$	520	\$	654	\$	210	\$	1,384

7. Capital expenditures are as follows (in thousands):

						2015								20)16			
	1	st Qtr	2	2nd Qtr		3rd Qtr		4th Qtr		Full Year		1st Qtr		2nd Qtr		3rd Qtr		YTD
Capital expenditures	\$	3,098	\$	2,671	\$	3,850	\$	1,873	\$	11,492	\$	1,906	\$	2,201	\$	1,358	\$	5,465

8. Stock Repurchase Activity (in thousands):

			2015			2016						
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Full Year	1st Qtr	2nd Qtr	3rd Qtr	YTD			
Shares purchased under publicly-announced												
buy-back program	524	458	399	340	1,721	892	552	420	1,864			
Shares withheld for taxes due upon vesting of												
restricted stock	212	2	9	3	226	163		3	166			
Total shares purchased	736	460	408	343	1,947	1,055	552	423	2,030			
Total cash paid for shares purchased under publicly-announced buy-back program	\$ 26,306	\$ 25,214	\$ 25,001	\$ 25,078	\$ 101,599	\$ 48,499	\$ 34,995	\$ 24,998	\$ 108,492			
Total cash paid for shares withheld for taxes due upon vesting of restricted stock	9,727	83	508	221	10,539	9,292	26	158	9,476			
Total cash paid for shares repurchased	\$ 36,033	\$ 25,297	\$ 25,509	\$ 25,299	\$ 112,138	\$ 57,791	\$ 35,021	\$ 25,156	\$ 117,968			