October 5, 2016

Commentary

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US equity markets moved down yesterday, with the S&P 500 losing 0.50% to close at 2,150.49 and the Dow Jones Industrial Average lost 0.47% to close at 18,168.45. In Canada, the S&P/TSX Composite lost 1.14% yesterday, to close at 14,521.00. Europe's STOXX 600 rallied 0.84% to 346.10, and Germany's DAX Index gained 1.03% to close at 10,619.61. WTI lost 0.25% yesterday, ending at \$48.69. Gold made headlines as it lost 3.26% yesterday to close at \$1,266.30. Canadian 10 year bond yields gained 5.4 bps to reach 1.06% and US 10 year government note yields also increased, rising 6.4 bps to reach 1.69%.

The Federal Reserve Bank of Chicago's president, Charles Evans, mentioned that he sees a possible rate hike in December if the data supports the decision. He emphasized, however, that the long-term and gradual implementation of rate hikes in the next few years is more important than the short-term aspect of timing the next increase. The long-term implementation of rate hikes will require inflation numbers to increase and unemployment to drop further. Other Fed officials echoed similar sentiments regarding an upcoming rate hike this year, with Loretta Mester even suggesting a case for a November tightening decision. An upcoming rate hike will be the second rate change following a long period of hold since December, 2008. Bond markets have only mildly reacted to expectations of a December rate hike, with 10 year treasury yields increasing slightly over the past few days. Equity market futures are also expected to experience some volatility prior to the decision.

The price of gold fell below \$1,300 per ounce on Tuesday, nearing its lowest level since June, 2016. Prior to yesterday, investors had moved into the precious metals market as global interest rates have been hovering at their record lows. Meanwhile, political risks from Brexit and the US presidential election have also increased the demand for gold, pushing the prices up to almost \$1,400 per ounce over the summer of 2016. Even though some experts view gold as overvalued by 20% to 25%, several market observers and economists believe that weak inflationary pressure might lift gold prices back to their previous level.

Major Economic Releases

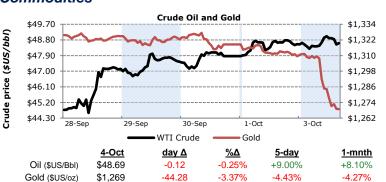
United States	<u>Period</u>	Survey	<u>Actual</u>	<u>Prior</u>	Canada	<u>Period</u>	Survey	<u>Actual</u>	<u>Prior</u>
MBA Mortgage Applications	30-Sep		2.9%	-0.7%	None Scheduled				

Market Movements

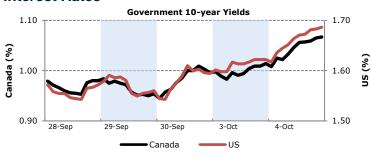
Equities



Commodities



Interest Rates

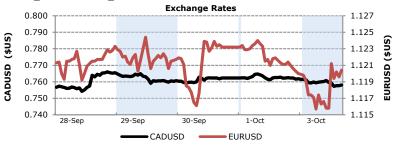


Government 10-year Yields			Historical levels			
	4-Oct	day ∆	-1 mnth	-3 mnths	-1 year	
Canada	1.07%	0.053%	1.06%	0.97%	1.44%	
United States	1.69%	0.064%	1.60%	1.37%	2.06%	

Foreign Exchange

(LICDCAD implies \$1 LICD to CAD)

Rotman Finance Association



(OSDCAD IIIIpiles \$1-OSD to CAD)			I listorical levels			
Spot	4-Oct	day ∆	-5 days	<u>-1 mnth</u>	<u>-1 year</u>	
USDCAD	\$1.319	+0.007	1.320	1.293	1.304	
EURUSD	\$1.120	-0.001	1.122	1.115	1.138	

Master of Financial Economics Program

MFE

The Master of Financial Economics Program at the University of Toronto is a collaborative program of the Department of Economics and the Rotman School of Management. The program's key objective is to provide a broad understanding of Financial Theory and the Economics framework upon which that theory is based. Students follow a three-term, 16-month program, with 12 one-term courses and a four-month summer internship. For more information on the program and its students please see the website below.

Rotman Finance Association

The purpose of the Rotman Finance Association is to bridge the gap between classroom financial theory and finance-based careers by offering students industry speaker sessions, alumni networking seminars and competitions. For more information please see the website below.

Historical levels

http://www.rotmanfinanceassociation.com

http://www.economics.utoronto.ca/index.php/index/mfe/

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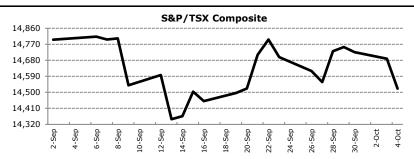


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The Equities Roll

Canadian Indicies

TSX	4-Oct 14,521.00	<u>day ∆</u> -168.04	<u>%∆</u> -1.14%
	Trailing	S&P/TSX	TSX 60
	5-day	-0.25%	+0.01%
	1-month	-1.86%	-1.50%
	3-months	+1.84%	+2.36%
	6-months	+8.88%	+8.61%
	12-months	+8.86%	+8.18%



Sector Returns

	<u>1-day</u>	<u>5-day</u>	<u>1-mnth</u>	12-mnths
C. Discretionary	-0.09%	+0.62%	-0.27%	+0.71%
C. Staples	-0.56%	-1.70%	<i>-5.50%</i>	+8.31%
Energy	-0.45%	+4.85%	+1.85%	+18.26%
Financials	-0.15%	+0.12%	-0.38%	+9.54%
Healthcare	-1.06%	-5.58%	-10.63%	-81.55%
Info Tech	+0.63%	+0.04%	+0.61%	+15.20%
Industrials	-0.15%	+1.48%	-0.99%	+12.29%
Materials	-6.71%	-8.52%	-10.42%	+37.31%
Telecom	-0.49%	-0.55%	-2.58%	+9.42%
Utilities	-1.09%	-2.10%	-2.56%	+10.41%

TSX Top Performers

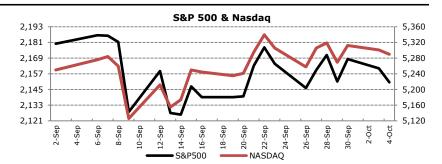
	Ranked by 1-day	<u>1-day</u>	5-day	1-mnth	12-mnths
Interta	nin Group Ltd/The	+4.06%	-3.25%	+4.65%	-11.48%
Enerp	lus Corp	+3.76%	+21.47%	-0.98%	+28.13%
Granit	e Real Estate Inves	+3.50%	+1.67%	+0.41%	+8.82%
Dhx M	ledia Ltd	+3.45%	-0.69%	-6.50%	-15.91%
Kelt E	xploration Ltd	+3.06%	+11.38%	+25.67%	-4.56%

TSX Worst Performers

Ranked by 1-day	<u>1-day</u>	5-day	<u>1-mnth</u>	12-mnths
Torex Gold Resources Inc	-13.50%	-19.60%	-28.67%	+80.61%
Kinross Gold Corp	-12.62%	-15.44%	-17.94%	+78.41%
Yamana Gold Inc	-12.43%	-13.66%	-17.00%	+90.35%
Pretium Resources Inc	-11.97%	-14.43%	-16.52%	+32.80%
Concordia International C	-11.95%	-6.28%	-43.63%	-89.16%

US Indices

Trailing	S&P 500	DJIA	Nasdaq
4-Oct	2,150.49	18,168.45	5,289.66
1-day	-0.50%	-0.47%	-0.21%
5-day	-0.44%	-0.33%	-0.30%
1-month	-1.35%	-1.75%	+0.76%
3-months	+2.26%	+1.22%	+8.78%
6-months	+4.08%	+2.43%	+8.13%
12-months	+10.20%	+10.30%	+12.36%



S&P 500 Sector Returns

	<u>1-day</u>	<u>5-day</u>	1-mnth	12-mnths
C. Discretionary	-0.32%	+0.22%	-1.11%	+5.23%
C. Staples	-0.90%	-1.31%	-3.91%	+9.62%
Energy	-0.96%	+4.43%	+1.22%	+9.55%
Financials	+0.32%	+0.27%	-3.05%	+4.88%
Healthcare	-0.13%	-1.23%	-0.78%	+5.38%
Info Tech	-0.16%	-0.24%	+1.11%	+18.41%
Industrials	-0.77%	-0.04%	-1.47%	+14.93%
Materials	-1.52%	-0.51%	-4.05%	+13.77%
Telecom	-1.67%	-3.08%	-3.07%	+19.67%
Utilities	-2.17%	-5.84%	-4.16%	+9.11%

DJIA Top Performers

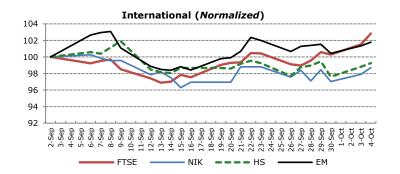
Ranked by 1-day	<u>1-day</u>	<u>5-day</u>	<u>1-mnth</u>	12-mnths
Goldman Sachs Group Inc	+0.75%	-0.38%	-4.08%	-10.20%
Apple Inc	+0.43%	-0.08%	+4.89%	+2.00%
American Express Co	+0.16%	-0.58%	-1.96%	-17.32%

DJIA Worst Performers

	Ranked by 1-day	<u>1-day</u>	<u>5-day</u>	1-mnth	12-mnths
3М Со		-1.92%	-2.62%	-5.05%	+17.33%
Du Pont ((E.I.) De Nemours	-1.42%	-0.56%	-4.58%	+30.42%
Verizon (Communications In	-1.20%	-2.34%	-3.06%	+16.50%

International Markets

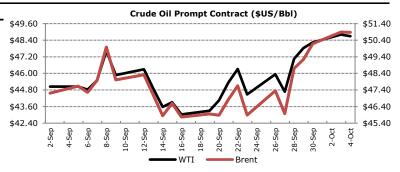
Trailing	FTSE 100	Nikkei	Hang Seng	MSCI EM
Last Close	7,074.34	16,735.65	23,689.44	915.61
1-day	+1.30%	+0.83%	+0.45%	+0.44%
5-day	+3.92%	+0.31%	+0.50%	+0.49%
1-month	+2.61%	-1.12%	+1.82%	+1.78%
3-months	+8.46%	+6.08%	+12.49%	+9.10%
6-months	+14.76%	+3.80%	+15.56%	+10.74%
12-months	+15.41%	-5.58%	+10.15%	+13.87%



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Oil & Gas

	Nymex WTI Crude Oil									
(\$US/BbI)	(\$US/BbI) 4-Oct day Δ %Δ 5-day									
Prompt	\$48.69	-\$0.12	-0.25%	+9.00%	+8.10%					
Cal 17	\$51.97	+\$0.02	+0.04%	+8.10%	+1.92%					
Cal 18	\$54.03	+\$0.09	+0.17%	+6.49%	+1.76%					
(\$US/bbl)	Q1-17	Q2-17	Q3-17	Q4-17	<u>2018</u>					
Consensus Forecast	\$51.00	\$52.75	\$56.00	\$58.50	\$60.00					
Current Forward	\$50.50	\$51.79	\$52.51	\$53.06	\$54.03					
	Inventory	Levels (as o	of Sep-09)							

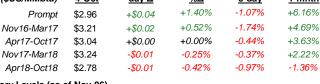


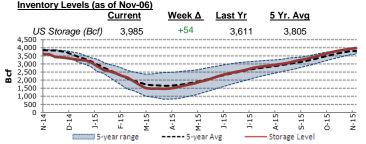
UK Brent Crude Oil							
(\$US/BbI)	4-Oct	day ∆	<u>%∆</u>	<u>5-day</u>	1-mnth		
Prompt	\$50.87	-\$0.02	-0.04%	+10.66%	+6.80%		

(MBbls) Last Yr 5 Yr. Avg Current Week A Crude Oil 510,798 337,426 319,411 Motor Gas 228,360 +567 214,389 200,481 +4,619 Distillates 162.754 171.756 140,851

Nymex Natural Gas (\$11\$/MMhtu)

(\$US/WIWDLU)	4-0ct	uay A	<u>70∆</u>	<u>5-uay</u>	<u>1-11111111</u>
Prompt	\$2.96	+\$0.04	+1.40%	-1.07%	+6.16%
Nov16-Mar17	\$3.21	+\$0.02	+0.52%	-1.74%	+4.69%
Apr17-Oct17	\$3.04	+\$0.00	+0.00%	-0.44%	+3.63%
Nov17-Mar18	\$3.24	-\$0.01	-0.25%	-0.37%	+2.22%
Apr18-Oct18	\$2.78	-\$0.01	-0.42%	-0.97%	-1.36%





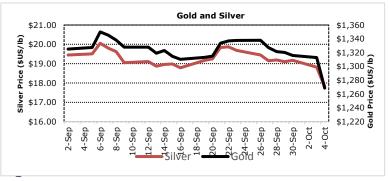
Nat Gas Prompt (\$US/MMbtu) \$3.10 \$3.00 \$2.90 \$2.80 \$2.70

Alberta Natural (Gas				
	(\$	CAD/GJ)	4-Oct	<u>day ∆</u>	<u>%∆</u>
	AECO	Nov-16	\$2.70	+\$0.10	+3.7%

Other Commodities

Precious Metals

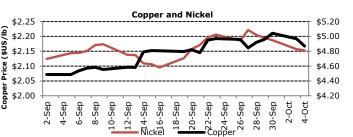
\$US/oz	4-Oct	day ∆	<u>%∆</u>	<u>5-day</u>	1-mnth	3-mnth
Gold	\$1,268.53	-\$44.28	-3.4%	-4.4%	-4.3%	-6.4%
Silver	\$17.81	-\$1.01	-5.4%	-7.0%	-8.4%	-12.2%
Platinum	\$986	-\$21.25	-2.1%	-4.0%	-7.4%	-10.5%



	4-Oct	day ∆	<u>%∆</u>	5-day	1-mnth
Corn (\$US/bu)	\$3.48	+\$0.02	+0.7%	+5.0%	+6.0%
Wheat (\$US/bu)	\$3.96	+\$0.00	+0.0%	-2.1%	-0.9%
Soybeans (\$US/bu)	\$9.64	-\$0.10	-1.0%	+1.2%	+1.2%
Rough Rice (\$US/cwt)	\$10.10	+\$0.03	+0.3%	+3.2%	+4.2%
Sugar #11 (¢US/lb)	¢23.26	+¢0.59	+2.6%	-0.8%	+12.0%
Lean Hogs (¢US/lb)	¢43.50	-¢0.67	-1.5%	-6.4%	-21.4%
Live Cattle (¢US/lb)	¢102.68	+¢2.70	+2.7%	-0.4%	-0.8%
Cotton No.2 (\$US/lb)	\$0.70	+\$0.01	+1.7%	-0.1%	+2.8%
Lumber (\$US/Mbft)	\$330.30	-\$4.60	-1.4%	+1.3%	+8.0%

Industrial Metals

\$US/Ib	4-Oct	day ∆	<u>%∆</u>	5-day	1-mnth	3-mnth
Copper	\$2.17	-\$0.03	-1.1%	+0.3%	+4.6%	+0.9%
Nickel	\$4.81	-\$0.02	-0.3%	-5.4%	+2.4%	+0.9%
Aluminum	\$0.79	+\$0.00	0.0%	0.0%	0.0%	0.0%
Uranium	\$22.65	±\$0.25	⊥1 1%	-3.6%	-11 7%	-14 4%



Commodity ETFs

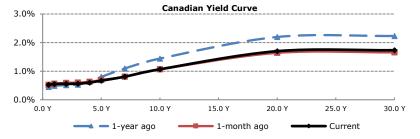
\$CAD	<u>4-Oct</u>	<u>day ∆</u>	<u>%∆</u>	<u>5-day</u>	<u>1-mnth</u>
HBP Crude Oil U	\$8.27	-\$0.03	-0.4%	+18.5%	+15.2%
HBP Nat Gas U	\$11.50	+\$0.45	+4.1%	-5.0%	+4.3%
iShares Gold ETF	\$11.17	-\$0.38	-3.3%	-4.3%	-3.8%
\$USD	<u>4-Oct</u>	<u>day ∆</u>	<u>%∆</u>	<u>5-day</u>	1-mnth
\$USD US Crude Oil	<u>4-Oct</u> \$11.09	<u>day ∆</u> -\$0.01	<u>%∆</u> -0.1%	<u>5-day</u> 9.26%	1-mnth +10.2%
•					
US Crude Oil	\$11.09	-\$0.01	-0.1%	9.26%	+10.2%

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The Rates, FX, & Economics Roll October 5, 2016

Interest Rates

Canadian yield curve Historical Levels day ∆ -1 mnth -3 mnths -1 year 3-mnth 0.52% 0.49% 0.44% 6-mnth 0.52% 0.52% 0.49% 0.45% 0.50% 0.49% 12-mnth 0.55% +0.01% 0.56% 0.56% 0.59% 0.49% 0.51% 2-year +0.02% 0.54% 5-year 0.67% +0.04% 0.69% 0.80% 10-year 1.07% +0.05% 1.06% 0.97% 1.44% 20-year 1.70% 1.64% 1.55% 2.20% +0.06% 30-year 1.55% 1.73% +0.06% 1.66% 2.23%



US yield curve

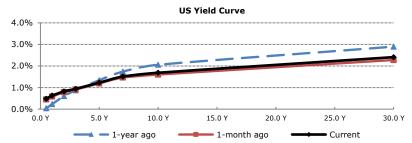
US Fed Funds

	<u>4-Oct</u>	day ∆	<u>-1 mnth</u>	-3 mnths	<u>-1 year</u>
3-mnth	0.32%	+0.02%	0.32%	0.27%	-0.01%
6-mnth	0.48%	+0.04%	0.45%	0.34%	0.04%
12-mnth	0.63%	+0.02%	0.58%	0.44%	0.23%
2-year	0.82%	+0.03%	0.79%	0.58%	0.61%
5-year	1.23%	+0.05%	1.19%	0.94%	1.34%
10-year	1.69%	+0.06%	1.60%	1.37%	2.06%
30-year	2.41%	+0.07%	2.28%	2.14%	2.90%
	Current	<u>Prior</u>	Next N	<u>leeting</u>	Survey
Cdn Overnight	0.50%	0.50%	19-C	ct-16	0.50%

Historical Levels

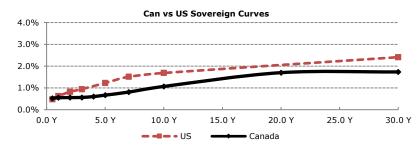
21-Sep-16

0.50%



0.50% Cdn Overnight Rate & US Fed Funds Target





Foreign Exchange

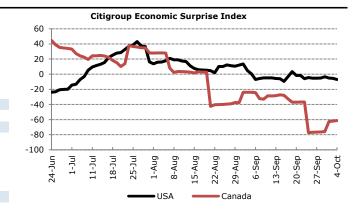
0.50%

USDCAD implies 1-USD to CAD)			Historical Levels				
Spot	4-Oct	day ∆	-1 mnth	-3 mnths	-1 year		
USDCAD	\$1.319	+0.007	1.293	1.296	1.304		
EURUSD	\$1.120	-0.001	1.115	1.110	1.138		
USDJPY	¥102.90	+1.250	103.43	101.32	119.75		
GBPUSD	\$1.273	-0.011	1.330	1.293	1.525		
AUDUSD	\$0.762	-0.005	0.758	0.752	0.725		

			Historical Levels				
Spot	4-Oct	day ∆	<u>-1 mnth</u>	-3 mnths	-1 year		
CADJPY	¥78.00	+0.524	80.00	78.17	91.84		
CADAUD	\$0.995	+0.002	1.020	1.026	1.059		
GBPCAD	£1.679	-0.006	1.720	1.676	1.988		
EURJPY	¥115.29	+1.330	115.30	112.47	136.26		
EURAUD	\$1.47	+0.010	1.47	1.48	1.57		

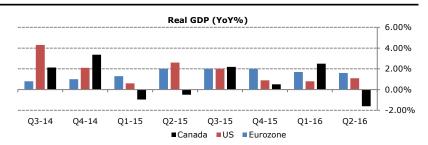
Economic Releases

United States		<u>Period</u>	Survey	<u>Actual</u>	Prior
Mon, Oct 03	ISM Manufacturing	31-Oct	50.4	51.5	49.4
Wed, Oct 05	Factory Orders	31-Aug	-0.2%	1.9%	-1.5%
Wed, Oct 05	Durable Goods Orders	30-Sep		0%	4.4%
Wed, Oct 05	ADP Employment Change	31-Oct	165K	154K	177K
Wed, Oct 05	Trade Balance	30-Sep	-39.2B	-39.5B	-44.5B
Thu, Oct 06	Continuing Claims	24-Sep	2081K		2113K
Thu, Oct 06	Intial Jobless Claims	1-Oct	256K		254K
Fri, Oct 07	Unemployment Rate	30-Sep	4.9%		4.9%
Canada		Period	Survey	Actual	Prior
Thu, Oct 06	Building Permits (MoM)	31-Aug	1%		0.8%
Fri, Oct 07	Ivey Purch. Managers Index	30-Sep			0
Fri, Oct 07	Net Change in Employment	30-Sep	7.5K		26.2K
Fri, Oct 07	Unemployment	30-Sep	7%		7%



Economics

Canada	Q3-15	Q4-15	Q1-16	Q2-16
Real GDP	2.19%	0.50%	2.50%	-1.61%
CPI	1.20%	1.33%	1.57%	1.57%
Unemployment	7.10%	7.10%	7.10%	6.80%
US				
Real GDP	2.00%	0.90%	0.80%	1.10%
CPI	0.13%	0.47%	1.10%	1.03%
Unemployment	5.10%	5.00%	5.00%	4.90%
China				
Real GDP	6 90%	6.80%	6 70%	6 70%



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