

September 4, 2017

Chief Economist

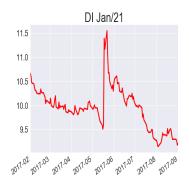
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Economist

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Index		+/-
CDS 5Y	192.8	-0.0pts
DAX	12095.1	-0.4%
T-10	2.2	0.0pts
S&P Fut	2462.6	-0.5%
EUR	1.19	0.4%
MXN	17.92	0.6%
OIL	47.3	0.0%
Iron Ore	582.5	0.9%
Soya	949.5	0.0%
VIX	10.1	0.0%

Source: Bloomberg 4th September 2017 12:38pm -03:00



Source: Bloomberg

Highlights

- Overseas markets: European equities are broadly down and US are closed.
- Local news: Anxieties ahead of second charge against Temer and Presidential race.
- Market readout: CPI for 2017 down by 2bps to 3.38% and from 4.18% from 4.20%.

Global Markets. European equities are broadly down while S&P future is falling 0.4%. The Mexican peso is falling against the USD by 0.55%. Commodities: Oil is roughly flat and steel is up by 1.6%.

Local News. Politics comes to back to fore with a pretty full agenda ahead of September 7th holiday. For one, the Upper House ought to approve the provisional measure on the TPL, which is expected to take place on this coming Tuesday. In the meantime, there is a growing anxiety that the ousting Attorney General may finally release its second charge against President Temer, pending only the approval by the Supreme Court of the plea bargain by Mr. Furnaro, the former PMDB's financier.

Against this background, the newspapers indicate that the Presidential race is getting steam. On one hand, the O Estadao, published an interviews with the Mayor of Sao Paulo City, where he made no effort to deny his ambitions, stating that whoever will be leading the polls should be PSDB's president. On the other one, according to O Valor, Mr. Alckmin has stated his ready to step down on April in other to run for President. As one may gather, both politicians are ready for the fight.

Still on the political front, the media also resonates the sour dispute between PMDB and DEM, also motivated by 2018 general elections. At the end of the day, both parties are looking forward to enlarging their Congress share in Congress and are thus disputing the politicians from other parties, particularly from PSB. This is leaving a few bruises opened, which may threaten the stability of Mr. Temer's support.

Finally, on the economic front, the O Valor discusses Brazil's 2Q2017 GDP. Overall, the material therein looks more upbeat with regards to activity outlook, particularly with regards to 2018.

Agenda - Highlights: <u>Brazil</u>: Market readout and IGD-DI of August. July. <u>US</u>: Factory Orders, July.

I ime	Country	Indicator	Period	Forecast	Impact
11:00:00	US	Factory Orders	July	-3,3% mom	Medium

Bottom Line. Global markets starts off with negative mode, while local news comes with mixed feelings. Overall, neutral for local markets.

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September 4, 2017

1 Brazilian Bonds

NTNF

Expiry	Yield	Daily Ch.	Spread	Daily Ch.	%DI	Daily Ch.	Duration	BRL	DI
		(%)		Daily		(%)	(Macaulay)	PV01	Conts.
Jan-18	7.7581	-0.01	-3.19	0.03	99.81	0.01	Jan-02-18	1509	525
Jan-19	7.745	0.04	-5.5	-0.0	99.46	0.02	Dec-06-18	6023	547
Jan-21	9.0644	0.03	-14.56	0.44	99.63	0.05	Jul-23-20	13700	605
Jan-23	9.6133	0.03	-22.67	0.51	99.43	0.04	Nov-25-21	19797	675
Jan-25	9.86	0.04	-31.0	0.69	99.07	80.0	Dec-30-22	24736	757
Jan-27	10.015	0.04	-34.5	0.79	99.04	0.09	Nov-28-23	28693	852

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Expiry	Yield	Daily Ch. (%)	Spread	Daily Ch. Daily	%DI	Daily Ch. (%)	Duration (Macaulay)	BRL PV01	DI Conts.
Oct-17	8.4058	-0.03	3.59	0.01	100.88	0.05	Oct-02-17	328	500
Jan-18	7.7339	-0.01	-5.61	-0.0	99.51	0.0	Jan-02-18	1421	500
Apr-18	7.575	0.0	1.5	0.0	100.33	0.0	Apr-02-18	2480	500
Jul-18	7.5689	0.02	1.39	0.14	100.28	0.02	Jul-02-18	3531	500
Oct-18	7.665	0.04	1.5	-0.0	100.26	-0.0	Oct-01-18	4566	500
Jan-19	7.8083	0.04	0.83	-0.17	100.15	-0.02	Jan-02-19	5489	500
Apr-19	7.985	0.04	1.5	0.0	100.22	-0.0	Apr-01-19	6377	500
Jul-19	8.17	0.02	1.0	-0.0	100.14	-0.0	Jul-01-19	7215	500
Oct-19	8.41	0.01	2.0	-0.11	100.25	-0.01	Oct-01-19	8043	500
Jan-20	8.59	0.03	1.0	-0.0	100.12	-0.0	Jan-02-20	8791	500
Jul-20	8.95	0.04	1.0	-0.0	100.11	-0.0	Jul-01-20	10112	500
Jul-21	9.4564	0.02	0.64	-0.01	100.06	-0.0	Jul-01-21	12309	500

NTN-B

Expiry	Yield	Daily Ch.	BE	Ch. BE	FRA	FRA BE	Duration	BRL	Carry
		(%)				(Daily)	(Macaulay)	PV01	(bps)
Aug-18	3.39	0.04	4.05	-0.01	0.0	0.0	Jun-04-20	8320	-0.04
May-19	3.39	0.01	4.5	0.02	3.39	3.39	Dec-31-20	10245	-0.01
Aug-20	4.1141	0.01	4.66	0.02	4.11	4.66	Jan-17-22	13280	0.02
May-21	4.31	0.02	4.79	0.01	5.24	5.43	Jul-14-22	14992	0.03
Aug-22	4.62	0.01	4.84	0.01	5.61	4.97	Jul-04-23	17881	0.03
May-23	4.74	0.02	4.83	0.0	5.81	4.73	Oct-22-24	21891	0.03
Aug-24	4.7744	0.02	4.98	0.01	4.95	5.76	Jan-13-27	29010	0.03
Aug-26	4.9783	0.04	4.96	-0.01	5.89	4.89	Jan-08-29	36087	0.03
Aug-30	5.1047	0.0	4.97	0.03	5.51	4.99	Dec-30-30	42133	0.02
May-35	5.1444	-0.0	4.96	0.04	5.33	4.93	Jan-05-32	45657	0.03
Aug-40	5.1952	0.0	4.93	0.05	5.49	4.76	May-04-33	49680	0.02
May-45	5.3058	0.0	4.83	0.05	6.76	3.53	Dec-23-33	53049	0.02
Aug-50	5.29	0.0	4.86	0.05	5.12	5.11	Dec-23-33	53049	0.02
May-55	5.2463	0.0	4.9	0.05	4.19	6.11	Dec-23-33	53049	0.02



Fixed-Rate Bonds

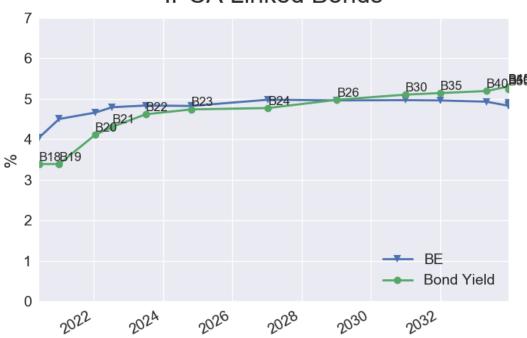


Fixed Bonds x DI





IPCA Linked Bonds



2 DI - Open Interest

Institutions	Contracts	Long	Ch.	Contracts	Short	Ch.	Net Position	Net Ch.
	(k)	(%)	(k)	(k)	(%)	(k)	(k)	(k)
Financial Institutions	6042.0	27.36	38.0	6772.0	30.67	-174.0	-730.0	212.0
Banks	6031.0	27.31	40.0	6597.0	29.87	-173.0	-566.0	214.0
Brokers & Dealers	0.0	0.0	0.0	2.0	0.0	-0.0	-2.0	0.0
Other	11.0	0.04	-3.0	173.0	0.78	-0.0	-162.0	-2.0
Institutional Investors	11795.0	53.41	-343.0	10574.0	47.88	-45.0	1221.0	-298.0
Domestic	11795.0	53.41	-343.0	10574.0	47.88	-45.0	1221.0	-298.0
Nonresident Investors	4204.0	19.03	3.0	4711.0	21.33	-82.0	-507.0	85.0
Corporations	20.0	0.09	1.0	18.0	0.08	-1.0	2.0	2.0
Individuals	19.0	0.08	-0.0	5.0	0.02	0.0	14.0	-0.0
Total	22080.0	100.0	-301.0	22080.0	100.0	-301.0	0.0	0.0



(k) (k) (k) V17 3201.6 3325.1 123.5 37851.4 X17 271.5 284.2 12.7 2336.4 Z17 263.6 261.1 -2.6 1261.4 F18 4157.3 4116.2 -41.1 41016.2 G18 72.3 73.3 1.0 196.5 H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3	Contracts	D-1	D-Zero	Ch. Daily	Vol.
X17 271.5 284.2 12.7 2336.4 Z17 263.6 261.1 -2.6 1261.4 F18 4157.3 4116.2 -41.1 41016.2 G18 72.3 73.3 1.0 196.5 H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4		(k)	(k)	(k)	(k)
Z17 263.6 261.1 -2.6 1261.4 F18 4157.3 4116.2 -41.1 41016.2 G18 72.3 73.3 1.0 196.5 H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4	V17	3201.6	3325.1	123.5	37851.4
F18 4157.3 4116.2 -41.1 41016.2 G18 72.3 73.3 1.0 196.5 H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0	X17	271.5	284.2	12.7	2336.4
G18 72.3 73.3 1.0 196.5 H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5	Z17	263.6	261.1	-2.6	1261.4
H18 52.3 56.3 4.0 392.5 J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 <t< td=""><td>F18</td><td>4157.3</td><td>4116.2</td><td>-41.1</td><td>41016.2</td></t<>	F18	4157.3	4116.2	-41.1	41016.2
J18 1205.5 1241.2 35.7 5587.9 K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5	G18	72.3	73.3	1.0	196.5
K18 25.8 25.8 -0.0 0.5 M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6	H18	52.3	56.3	4.0	392.5
M18 35.0 35.0 -0.0 236.6 N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4	J18	1205.5	1241.2	35.7	5587.9
N18 1425.8 1462.2 36.3 10303.9 Q18 5.5 5.5 0.0 0.0 U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.	K18	25.8	25.8	-0.0	0.5
Q18 5.5 5.5 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 <t< td=""><td>M18</td><td>35.0</td><td>35.0</td><td>-0.0</td><td>236.6</td></t<>	M18	35.0	35.0	-0.0	236.6
U18 0.0 0.0 0.0 0.0 V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 <t< td=""><td>N18</td><td>1425.8</td><td>1462.2</td><td>36.3</td><td>10303.9</td></t<>	N18	1425.8	1462.2	36.3	10303.9
V18 639.1 638.2 -1.0 1105.1 F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 11.6 F23 766.3 761.1	Q18	5.5	5.5	0.0	0.0
F19 2324.1 2311.6 -12.5 26319.2 J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 <td< td=""><td>U18</td><td>0.0</td><td>0.0</td><td>0.0</td><td>0.0</td></td<>	U18	0.0	0.0	0.0	0.0
J19 571.1 570.6 -0.5 376.4 N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 <td>V18</td> <td>639.1</td> <td>638.2</td> <td>-1.0</td> <td>1105.1</td>	V18	639.1	638.2	-1.0	1105.1
N19 541.6 560.6 19.0 3636.3 V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0	F19	2324.1	2311.6	-12.5	26319.2
V19 245.2 248.0 2.8 1014.8 F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 <td< td=""><td>J19</td><td>571.1</td><td>570.6</td><td>-0.5</td><td>376.4</td></td<>	J19	571.1	570.6	-0.5	376.4
F20 1740.8 1733.4 -7.4 11549.2 J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8	N19	541.6	560.6	19.0	3636.3
J20 74.7 74.0 -0.7 92.1 N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 <	V19	245.2	248.0	2.8	1014.8
N20 1322.5 1319.5 -3.0 3484.0 V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F	F20	1740.8	1733.4	-7.4	11549.2
V20 50.1 50.1 -0.0 116.8 F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0	J20	74.7	74.0	-0.7	92.1
F21 1430.2 1443.5 13.3 12790.8 J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 4.5 0.0 0.0	N20	1322.5	1319.5	-3.0	3484.0
J21 33.8 33.6 -0.2 41.2 N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0 0.0	V20	50.1	50.1	-0.0	116.8
N21 219.2 228.4 9.2 1628.6 V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	F21	1430.2	1443.5	13.3	12790.8
V21 17.1 17.1 0.0 3.1 F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0 0.0	J21	33.8	33.6	-0.2	41.2
F22 106.2 106.6 0.4 296.8 J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	N21	219.2	228.4	9.2	1628.6
J22 1.8 1.8 0.0 0.0 N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	V21	17.1	17.1	0.0	3.1
N22 12.8 12.8 0.0 11.6 F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0 0.0	F22	106.2	106.6	0.4	296.8
F23 766.3 761.1 -5.1 3179.7 N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0 0.0	J22	1.8	1.8	0.0	0.0
N23 4.0 4.0 0.0 0.0 F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	N22	12.8	12.8	0.0	11.6
F24 57.1 57.1 0.0 2.5 N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	F23	766.3	761.1	-5.1	3179.7
N24 3.4 3.4 0.0 0.0 F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	N23	4.0	4.0	0.0	0.0
F25 545.4 544.3 -1.0 2115.9 F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	F24	57.1	57.1	0.0	2.5
F26 61.9 62.0 0.2 85.8 F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	N24	3.4	3.4	0.0	0.0
F27 397.3 406.4 9.2 1782.0 F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	F25	545.4	544.3	-1.0	2115.9
F28 0.0 0.0 0.0 0.0 F29 4.5 4.5 0.0 0.0	F26	61.9	62.0	0.2	85.8
F29 4.5 4.5 0.0 0.0	F27	397.3	406.4	9.2	1782.0
	F28	0.0	0.0	0.0	0.0
F30 1.2 1.2 nan nan	F29	4.5	4.5	0.0	0.0
	F30	1.2	1.2	nan	nan



September 4, 2017

3 DI - DV01 Table

DI	Last Trade	Contracts	DV01	DV01-5	DV01-21	DV01-63	DV01-126
				Bus. Days	Bus. Days	Bus. Days	Bus. Days
	(%)	(k)	(k)	(Ave. (k))	(Ave.(k))	(Ave.(k))	(Ave.(k))
Overall market	nan	1898.7	6148.4	5086.0	5192.0	4856.1	4928.3
V17	8.37	380.9	88.3	104.9	80.5	53.7	48.3
X17	8.19	23.7	11.2	2.0	4.3	2.2	1.5
Z17	7.95	12.8	9.0	2.1	5.3	2.7	2.0
F18	7.79	420.2	389.5	505.8	428.3	380.0	468.0
G18	7.68	2.0	2.4	0.2	2.5	4.2	2.1
H18	7.61	4.1	5.6	1.5	2.0	1.0	0.5
J18	7.56	58.2	93.2	47.3	72.9	62.2	49.5
N18	7.56	109.3	248.1	157.7	135.9	112.7	98.6
V18	7.65	12.0	34.9	12.3	25.6	32.2	56.9
F19	7.8	290.4	1020.9	912.2	965.5	889.2	931.4
J19	7.97	4.2	17.3	60.7	114.3	87.1	48.7
N19	8.16	41.9	192.8	61.6	56.0	49.4	46.8
V19	8.39	12.0	61.5	3.7	4.4	2.6	3.2
F20	8.58	139.6	784.2	524.1	472.2	476.3	477.8
J20	8.76	1.1	6.9	4.1	2.0	1.3	4.4
N20	8.94	44.2	285.4	218.9	261.4	241.7	239.3
V20	9.1	1.5	10.4	0.5	2.6	1.7	7.2
F21	9.21	171.0	1233.9	1190.3	1211.6	1176.7	1176.6
J21	9.32	0.6	4.3	0.1	1.8	1.0	8.0
N21	9.45	22.9	179.9	8.6	9.0	9.7	5.8
V21	9.55	0.0	0.4	0.1	1.5	0.6	1.3
F22	9.61	4.4	37.1	45.5	35.8	32.4	30.9
N22	9.74	0.2	1.6	0.1	0.1	0.1	0.1
F23	9.84	52.2	487.8	460.9	476.1	417.0	397.5
N23	9.92	0.0	0.0	0.0	0.1	0.0	0.1
F24	10.03	0.0	0.4	6.8	3.7	3.7	4.4
N24	10.09	0.0	0.0	0.0	0.0	0.0	0.0
F25	10.17	42.8	444.9	315.9	365.9	338.6	318.2
F26	10.26	1.9	20.5	8.0	5.3	5.8	5.4
F27	10.36	44.4	476.0	263.5	251.8	211.5	179.0
F28	10.4	0.0	0.0	0.0	0.0	0.0	0.0
F29	10.41	0.0	0.0	0.0	0.1	0.2	0.3
F30	10.45	0.0	0.0	0.0	0.1	0.0	0.0



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4 NTNB FRAs

/0CJ F	1 240/	à	, ,	2 2007 2 2007 4 4497
	1,62% 4,14%	4,31% 4,62%	4,31% 4,62%	3,39% 4,11% 4,31% 4,62%
				5,13%
			5,24%	5,17%
		5,61%	5,48%	5,34% 5,48%
	3,81%	5,68% 5,81%	2,56% 5,68%	5,41% 5,56% 5,68%
40	5,24% 4,95%	5,39% 5,24%	5,37% 5,39% 5,24%	5,30% 5,37% 5,39% 5,24%
o	5,55% 5,49%	2,56% 5,55%	5,52% 5,56% 5,55%	5,44% 5,52% 5,56% 5,55%
0		5,54% 5,53%	5,52% 5,54% 5,53%	5,54% 5,53%
2		5,49% 5,47%	5,48% 5,49% 5,47%	5,43% 5,48% 5,49% 5,47%
9		5,49% 5,48%	5,48% 5,49% 5,48%	5,44% 5,48% 5,49% 5,48%
0	6,61% 5,60%	5,61% 5,61%	5,59% 5,61% 5,61%	5,55% 5,59% 5,61% 5,61%
*		8,55% 5,55%	5,54% 5,55% 5,55%	5,51% 5,54% 5,55% 5,55%
Ö		5 49% 5 48%	5 48% 5 49% 5 48%	5 45% 5 48% 5 49% 5 48% 5 46%

reads at the Curve	B-19 B-22 123	20 B-21 20	22 B-26 36	22 B-45 69	35 B-45 16	35 B-50 15
Spread	B-19	B-20	B-22	B-22	B-35	B-35



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5 DI FRAs

10,45%	
9,84% 10,03% 10,09% 10,17% 10,26% 10,41% 10,45% 10,98% 10,91% 10,138% 10,99% 10,91% 10,99% 10,99% 10,99% 10,99% 10,99% 10,99% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,90% 10,86% 10,86% 10,86% 10,66%	10,88%
DITM19 DITF20 DITF21 DITF25 DITF25 DITF25 DITF27 DITF27<	10,73% 10,88%
DIME25 DIME26 DIME27 10,17% 10,26% 10,36% 10,88% 11,24% 11,24% 10,66% 10,86% 10,86% 10,66%	10,86%
10,17% 10,17% 10,88% 11,06% 10,86% 10	10,86%
DI1N24 DI1F25 10,09% 10,17% 11,23% 10,88% 11,09% 11,06% 10,90% 10,86%	10,90%
10,93% 7 10,91% 11,07% 11,06% 7 10,90% 7 10,90%	10,90%
9,84% 11,03% 11,03% 11,05% 11,05% 11,05% 11,05% 11,05% 11,05% 10,99% 10,99% 10,92% 10,	10,92%
9,61% 9,84% 9,61% 9,84% 10,84% 11,03% 10,93% 10,99% 10,96% 11,05% 10,95% 10,99% 11,01% 11,05%	10,91%
9,45% 9,45% 10,81% 10,91% 10,91% 10,99% 10,99%	. 90% . 10,90%
9,21% 9,21% 11,09% 10,95% 10,94% 10,94% 10,95% 11,00%	10,91%
8,94% 8,94% 10,71% 10,90% 10,91% 10,91% 10,91% 10,91%	10,90%
8,58% 10,67% 10,82% 10,88% 10,92% 10,96% 10,96%	10,89%
8,16% 8,58% 8,16% 8,58% 10,06% 10,35% 10,67% 10,82% 10,63% 10,82% 10,71% 10,88% 10,84% 10,92% 10,96% 10,96% 10,85%	10,85%
7,80% 7,80% 9,13% 9,95% 10,15% 10,52% 10,62% 10,70% 10,70%	10,77%
8,33% 7,77% 7,55% 7,80% 7,40% 7,70% 8,56% 9,13% 8,59% 8,71% 9,51% 9,51% 9,52% 9,23% 9,09% 9,51% 9,61% 9,63% 9,70% 10,10% 10,27% 10,28% 10,50% 10,72% 10,43% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,75% 10,44% 10,64% 10,72% 10,43% 10,44% 10,64% 10,75% 10,44% 10,75% 10,75% 10,75% 10,44% 10,75%	10,66%
7,77% 7,40% 7,80% 8,24% 8,71% 9,99% 9,60% 9,60% 9,76% 10,21% 10,28% 10,28%	10,52%
8,33% 7,60% 7,47% 7,76% 8,15% 8,59% 9,23% 9,23% 9,63% 10,05% 10,11% 10,11% 10,19%	10,46% 2 2 141 204 63 96
8,33% 7,77% 7,55% 7,80% 8,16% 8,94% 9,21% 9,61% 9,61% 10,03% 10,03% 10,17% 10,36%	10,45% it the Cur D11F19 D11F21 D11F23 D11F25 D11F25
FRA Yield NTN-B DI1V17 8,33% DI1F18 7,77% DI1N18 7,55% DI1N20 8,94% DI1N20 8,94% DI1N21 9,45% DI1N24 DI1724 DI173 DI1724 DI1734	DITE30 10,45% 10 Spreads at the Curve Curve DITF19 DI1F19 DI1F21 7 DI1F19 DI1F21 7 DI1F21 DI1F23 2 DI1F21 DI1F23 2 DI1F21 DI1F23 2 DI1F23 DI1F25 2



September 4, 2017

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