

## Market Comment | Up-and-down USD and US treasury yields during the week

Global Financial Markets Unit 17 Feb 2017

- Volatility returned slightly to US assets as the Fed's route map returned to the spotlight. Early this week, US yields and the USD reacted to Yellen's and other Fed officials' remarks (see) that put a March rate-hike somehow on the table and led markets to price in three rate-hikes within 2017. This mood was also backed by positive economic data in the US: core inflation (see) and retail sales (see) beat expectations in January. Nonetheless, this movement reversed somewhat amid
   US political uncertainty late in the week.
- Eurozone yields declined across the board amid disappointing economic indicators: EZ GDP (see), German GDP growth in 4Q16 and German ZEW economic sentiment missed forecast.
   Peripheral risk premiums narrowed, supported among others, by diminishing odds of an Italian early election within 2017 after Renzi's call for a primary election (see). On the other hand, the Italian banking sector showed high volatility during the week, coinciding with reports that Italy is considering a state bailout of two regional banks that were in difficulties (see).
- ECB minutes did not bring fresh news: as was announced in the last ECB meeting, they play down the recent increase in inflation and remarked that purchases below the DFR will be carried out only if it is necessary to maintain capital key, although they recognise that there could be slight and temporary deviations (see)
- Greek sovereign bond yields rose during the week, despite reports suggesting (see) that Germany may
  consider that IMF participation is no longer crucial for Greece's bailout programme, leaving the door
  open to the programme's continuation without IMF participation.
- Oil prices declined during the week, as investors remained uncertain about two opposite factors driving
  oil markets: on the one hand, rising US oil production and, on the other hand, OPEC compliance with
  proposed oil production curbs.

BBVA Research suggests the following reading list:

- EM growth picks up sharply in January (<u>see</u>)
- Does Growing Mismeasurement Explain Disappointing Growth? (see)
- Do not blame the euro simply because it's there (see)
- The Great Recession: A Macroeconomic Earthquake (<u>see</u>)

Update 17.30 CET 17 February, 2017 Table 1



Developed Markets	ts ( 10Y, %, cf	anges in t	χp)		
US (2-yr) US	1.19 2.41	-1.2	0.1	Month -3	-2 -3
US GER (2-yr) Germany	-0.81	-3.4 -4.0	0.6 -2.4 -2.1	-10	-4
France	0.30 1.04	-5.0 2.3	-1.8	-6 21	23
Spain Italy	1.62 2.18 4.03	2.1	-7.8 -9.1	18 22	19 31
Portugal Greece	7.84	5.2 5.3	-8.1 44.9	20 75	14 96
Japan (2-yr) Japan	-0.24 0.09	-0.1 0.2	-2.9 3.7	-1 3	-5 3
Emerging Markets Brazil	10.41	Daily -4.5	7.1 1.4	Monthly -65	-100
Chile Colombia	4.20 6.86	3.6 0.0	16.8	-1 -2	-13 -23
Mexico Peru	7.43 6.15	1.6 -0.1	10.6	-26 -2	-21 -32
Poland Russia	3.83 8.31	-0.6 -1.6	-0.9 7.2	20 13	-11 -13
Turkey India	10.65 6.85	1.0 0.6	-5.0 4.7	-41 40	-35 47
Indonesia	7.54 risk (bp. chang	41.3 (es in bp)	2.0	2	-30
Developed Markets 10-yr sovereign spread vs Germany	level	Daily	Weekly	Monthly	YTD
France	74	7.3	0.3	27	21
Italy Portugal	188 374	7.4 10.2	-7.0 -6.0	28 25	29 12
Spain 2-yr sovereign spread vs Germany	133	7.1	-5.7	23	17
France	31 80	3.5 5.3	4.8 1.4	17 18	21 19
Portugal	83	5.6	-3.7	-6	2
Spain Emerging Markets	56 level	4.9 Daily	4.2 Weekly	14 Monthly	8 YTD
5-yr sovereign CDS* Brazil	227	8	-3	-19	-45
Chile Colombia	82 144	3	4	1 -4	0 -19
Mexico	155	6	3	-13	- 4
Peru Venezuela	107 3,512	3 59	2 114	2 -296	-1 -393
Poland Russia	69 175	0 10	-1 -2	-1 -5	-6 -2
Turkey	233 98	1 0	-15 -7	-46 -16	-39 -18
India	110	3	-1	-12	-17
	137 tisk indicators		-2	-14	-19
Volatilty indicators (%)	level 12	Daily 1.3	Weekly 10	Monthly -5	YTD O
VSTOXX EM EFT volatility Index	15 16	-4.1 3.5	-2 1	-1 -12	-2 -19
Dollar/euro volatility	8	0.6	4	-7	-19
EM FX volatility index Credit spread (BAA) (bps)	10 224	-0.6 3.4	-4 0	-10 -1	-12 -3
US bonds volatility index Banking 5 y CDS (bps) *	68 level	4.1 Daily	-2 Weekly	-8 Monthly	-11 YTD
US EZ	66 113	0.0	-2 -1	-7 5	-6 <b>5</b>
UK	81	2.4 0.2	-2	-11	-9
Large Spanish Medium Spanish	113 154	2.5 1.4	0 -3	-6 -2	-4 2
Corporate 5y CDS (bps) * US Non-financial	level 142	Daily 0.0	Weekly	Monthly -7	YTD -6
EZ Non-financial UK Non-financial	100 113	2.4 0.8	-1 -4	5 -10	-6 -5 -11
UK Non-financial Interbank n		0.8 anges in b		-10	
EONIA Index	level -0.35	Daily 0.00	Weekly 0.0	Monthly 0.0	9TD 0.0
Euribor 3m Euribor 12m	-0.33 -0.11	0.00	0.0	0.0	0.0
Libor 3m Libor 12m	1.06	0.01	0.0	0.0	0.1
EZ TED spread 3m	55.6	0.80	0.1 6.5	2.0	-10.8
	ock markets (				
Main indices S&P500	2.343	Daily -0.2	Weekly 1.2	Monthly 3	YTD 3
	20,551	-0.3	1.4	4	3
Dow Jones Nikkei	19 235	-0.6	-0.7	2	-2
Nikkel FTSE 100	19.235 7.301	-0.6 0.3	-0.7 0.6	1	2
Nikkel FTSE 100 EuroStoxx 50 IBEX	19.235 7,301 3,305 9,489	-0.6 0.3 -0.2 -0.7	0.7 0.6 1.1 1.2	1 0 1	0
Nikkel FTSE 100 EuroStoxx 50 IBEX D.A.X CAC	19.235 7,301 3,305 9,489 11.745 4,861	-0.6 0.3 -0.2 -0.7 -0.1 -0.8	0.7 0.6 1.1 1.2 0.7 0.7	1 0 1 1	0 0 1
Nikkon EuroStoxx 50 BEX DAX CAC MIB MB ASSE Atthens	19.235 7.301 3.305 9.489 11.745 4.861 19.017	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4	0.7 0.6 1.1 1.2 0.7 0.7	1 0 1 1 0 -2	0 0 1
Nikkel EuroStoxx 50 BEX DAX CAC MIB ASE Athens MSGI Latam *	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180	0.6 0.3 0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7	1 0 1 1 0 -2 -1 4	2 0 0 1 -1 -3 -3 7
Vikkeri EFFSE 100 EFFSE 100 EFFSE 100 DEX DAX CAC MASS MASS MASS MASS MASS MASS MASS MASS	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67,689	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4	1 0 1 1 0 -2 -1 4 6 2	2 0 0 1 -1 -3 -3 7 10
Vikkel EIEST LOS LEUS STEEL SEE EIEST LOS LEUS SEEL SEEL SEEL SEEL SEEL SEEL SEE	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67.689 47.118 5.023 2.188	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.4 0.6 1.2	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6	1 0 1 1 0 -2 -1 4 6 2 1	2 0 0 1 -1 -3 -3 -7 10 1 -1 9
Vilded TYSE TOO Eurostonos 50 BEX  DAX  CAC  MIB  MSC Alterns  MSC Latam *  bovepas disazib  Modobi  Modobi  Micko Glustalo in	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67.689 47.118 5.023 2.188 2.128	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6	1 0 1 1 0 -2 -1 4 6 2	2 0 0 1 -1 -3 -3 -3 -7 10 1 -1 -1 9 -6
Visided TEXT ET 100 TEXT ET 100 TEXT EX TEXT E	19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 744	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.4 0.6 1.2 0.7 0.7	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.3	1 0 1 1 0 -2 -1 4 6 2 1 9	2 0 0 1 -1 -3 -3 7 10 1 -1 9 -6 17
Vilded TYSE TOO Eurostonos 50 BEX  DAX  CAC  MIB  MSC Alterns  MSC Latam *  bovepas disazib  Modobi  Modobi  Micko Glustalo in	19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830	0.6 0.3 0.2 -0.7 -0.1 -0.8 -0.4 -0.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 -0.7 0.4 -0.9 -0.6	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 1.6 1.6 1.3 0.2	1 0 1 1 0 -2 -1 4 6 2 1 9 -2 7	2 0 0 1 -1 -3 -3 -7 10 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -
Videol (Videol	19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 744 3,202 5,351 level	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 -0.7 -0.4 -0.9 -0.7 -0.4 -0.9 -0.7 -0.4 -0.9 -0.7 -0.1 -0.2 -0.4 -0.6 -0.1 -0.2 -0.4 -0.6 -0.1 -0.6 -0.7 -0.6 -0	0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 1.4 0.4 1.6 1.6 1.3 0.2 0.4 1.6 1.6 1.3 0.2 0.4 1.6 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	1 0 1 1 1 0 0 -2 -1 4 6 2 1 9 -2 7 4 3 2 2 Monthly 6	2 0 0 1 -1 -3 -3 -7 10 1 -1 -9 -6 17 7 1 1 1 1 1 1 1 1 7
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Vilode Vi	19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 744 3,202 5,351 level 123,5 90,2 59,9 24,4 45,8 250,0	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.4 0.6 1.2 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.8 0.8 0.8 0.8 0.8	0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 1.6 -1.6 1.3 0.2 0.4 1.6 1.3 0.2 0.4 1.6 1.5 1.6 1.3 0.7 0.4 1.6 1.6 1.3 0.7 0.4 0.7 0.7 0.8 0.7 0.8 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	1 0 1 1 0 -2 -1 4 6 2 1 1 9 -2 7 4 3 2 Monthly 6 7 4 8 8 7 7	2 0 0 1 -1 -3 -3 -7 10 1 -1 -1 -1 1 -9 -6 17 7 7 1 1 1 -7 1 1 1 -7 1 1 1 1 1 1 1
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Villode TESTE TOO  Carestissus 50  DAX  CACAC  MIB  MESC Alterns  MSC Latam  MSC Latam  MSC Latam  MSC Latin	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67.689 47.118 5.023 2.128 88.830 744 3.202 5.351 1evel 122.5 90.2 24.4 45.8 250.0 96.9 55.7 11.8 18.2	0.6 0.3 0.2 0.7 0.1 0.8 0.4 0.6 0.1 0.2 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.5 0.5 0.0 0.5 0.2 0.2 0.2 0.2 0.3 0.3 0.4 0.4 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.4 0.4 1.6 1.6 1.6 1.6 1.3 0.2 2.5 2.7 2.7 2.4 3.8 3.7 2.5 3.8 3.8 3.7 2.5 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	1 0 1 1 1 1 0 2 2 -1 1 4 6 6 2 2 1 9 9 -2 7 7 4 4 3 2 2 Monthly 6 6 7 7 4 4 8 8 7 7 7 4 4 3 1 1	2 0 0 1 1 -1 1 3 3 7 7 10 1 1 7 7 7 1 1 1 7 1 1 7 1 1 7 1 1 4 1 3 3 6 6 5 3 8 8 1 1 1 4 4 1 1 3 3 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Villode Villod	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67.689 47.118 5.023 2.188 2.128 88.830 7.44 3.202 5.315 10.02 122.5 90.2 99.9 24.4 45.8 250.0 96.9 55.7 11.8 18.2 13.4 2.2 13.4	0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.6 0.1 0.1 0.2 0.4 0.6 0.1 0.2 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.8 0.5 0.2 0.1 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.7 0.7 2.5 2.7 2.4 1.6 1.6 1.6 1.6 1.6 1.3 3.8 3.7 3.8 3.7 3.8 5.7 2.5 5.7 2.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1 0 1 1 1 1 0 2 2 -1 1 4 6 6 2 1 1 9 2 2 7 7 4 4 8 7 7 7 7 4 4 3 3 1 1 -1 0 -7 7 7 -4 7 7 -4 7 7 7 -4 7 7 7 7 7 7 7	2 0 0 1 1 -1 1 -3 -3 -3 7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Villode  Tist E 100 S 9  BEX DAX  BEX D	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 7.000 47.118 2.128 88.830 744 3.202 5.351 122.5 90.2 24.4 45.8 250.0 96.9 25.7 11.8 22.2 42.3 12.2 42.3 12.8 90.8 706.4 24.2 26.9 90.9	0.6 0.6 0.2 0.7 0.1 0.8 0.6 0.2 0.7 0.4 0.9 0.5 0.5 0.4 0.9 0.6 0.2 0.4 0.6 0.2 0.4 0.5 0.2 0.4 0.5 0.2 0.4 0.5 0.4 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.4 0.5 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.6 1.6 1.6 1.3 0.2 2.7 3.9 3.8 8 8.8 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 1.3 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	1 0 1 1 1 1 0 0 -2 1 4 4 6 2 1 1 9 2 2 7 7 4 3 3 2 2 Monthly 6 7 7 7 -4 4 3 3 1 1 -10 -7 -5 5 4 1 1 1 1 0 5 5 5	2 0 0 1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Vilode Vi	19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 67.689 47.118 5.023 2.188 88.830 744 3.202 5.351 5.21 12.35 90.2 2.5251 1.22 1.34 2.50.9 1.82 1.83 2.50.9 1.83 2.50.9 1.84 2.50.9 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85	0.6 0.6 0.5 0.6 0.6 0.2 0.4 1.9 0.5 0.6 0.2 0.7 0.3 0.2 0.4 1.9 0.5 0.5 0.2 0.7 0.3 0.2 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.6 1.6 1.6 1.6 1.3 0.2 2.9 0.4 1.1 0.4 1.3 0.2 1.3 0.4 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 0 1 1 1 1 0 0 -2 1 1 4 6 6 2 1 1 9 9 -2 7 7 4 4 3 3 1 1 -10 0 7 -5 5 5 4 4 11 1 4 4	2 0 0 1 1 -1 -3 3 7 7 10 0 1 1 1 1 1 1 1 1 1 3 4 4 -3 3 6 6 5 5 3 8 8 11 1 4 4 -1 1 -3 4 12 8 8 3 3 5
Villode  Vil	19.235 7.301 3.305 9.489 11.745 4.861 19.77 7.8180 67.689 47.118 5.023 2.188 8.830 744 3.202 5.351 12.85 25.86 25.87 11.8 18.2 12.18 18.2 12.18 18.2 12.18 18.2 12.2 12	0.6 0.6 0.3 0.2 0.4 0.6 0.6 0.5 0.6 0.2 0.2 0.4 0.9 0.2 0.4 0.9 0.7 0.4 0.9 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.6 1.6 1.3 3.2 2.5 3.8 3.7 3.9 9.5 1.1 1.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1 0 1 1 1 1 0 0 -2 1 1 1 0 0 0 -2 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0 0 1 1 1 1 1 9 6 6 1 7 7 7 1 1 1 1 1 1 1 3 3 4 4 1 1 2 8 3 5 3 3 1 3 3 2 2
Villoder Vil	19.235 7.301 3.005 7.301 3.005 7.301 3.005 7.301 1.745 7.301	0.6 0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.6 0.1 0.1 0.2 0.9 0.6 0.5 0.5 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.7 0.4 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.7 0.7 0.4 0.6 0.5 0.5 0.6 0.5 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.6 1.6 1.3 3.2 9.4 1.6 1.6 1.3 3.8 3.7 2.5 3.8 3.7 3.9 9.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 0 0 -2 1 1 4 6 6 2 1 1 9 -2 2 7 7 4 3 3 1 1 -10 2 7 -5 5 4 4 1 1 1 4 3 3 1 2 1 1 2 1 1	2 0 0 1 1 -1 -3 3 -3 7 7 10 0 1 1 -1 1 7 7 0 1 1 1 1 1 7 1 1 1 1 1 1 1 1 1
Visided  **STEET TOOLS 50  BEEF TOOL	19.235 7.301 3.105 7.301 3.105 7.301 3.105 7.301 4.861	0.6 0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.6 0.1 0.1 0.2 0.9 0.6 0.5 0.5 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.7 0.3 0.6 0.2 0.9 0.8 1.9 0.6 0.2 0.7 0.4 0.6 0.5 0.5 0.6 0.2 0.7 0.7 0.7 0.8 1.9 0.8 1.9 0.8 1.9 0.8 1.9 0.8 1.9 0.8 1.9 0.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	0.7 0.6 1.1 1.2 0.7 0.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 0 -2 1 1 4 6 6 2 1 1 9 -2 2 7 4 3 3 2 2 Monthly 1 1 -10 -7 -5 5 4 1 1 1 4 3 3 1 2 1 0 0 4	2 0 0 1 1 -1 -3 3 -3 7 7 10 0 1 1 -1 1 9 9 -6 6 5 3 3 -8 11 -4 -1 -1 -3 3 -5 3 3 1 1 3 -2 2 0 0 4 -2 3
Vilode Vi	19.235 7.301 3.005 7.301 3.005 7.301 3.005 7.301 1.726 7.301 1.726 7.301	0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.7 0.6 1.1 1.2 0.7 0.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 0 -2 1 1 4 6 6 2 1 1 9 9 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 0 1 1 -1 -3 -3 -3 -7 -7 10 11 -1 1 1 1 1 1 -3 -3 -3 -5 -3 -3 -1 13 -3 -2 -2 -4 -2 -2 -2 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
Vilode Vi	19.235 7.301 3.1059 7.301 3.1059 7.301 3.1059 7.301 1.3059 7.3059 7	0.6	-0.7 -0.6 -1.1 -1.2 -0.7 -0.8 -1.2 -0.7 -0.8 -1.2 -0.7 -0.8 -1.4 -1.4 -1.4 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 0 0 1 1 -1 -3 -3 -7 7 10 1 1 -1 1 9 -6 6 17 7 7 1 1 1 1 1 -1 3 4 4 -3 6 6 5 3 3 1 1 3 3 5 5 3 3 1 1 3 3 5 2 2 0 0 -4 6 6 4 4 6 6 4
Vilode Ties E 100 Ties	19.235	0.6 0.6 0.7 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	0.7 0.6 1.1 1.2 0.7 0.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.3 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 0 -2 1 1 4 6 6 2 1 1 9 9 2 7 4 4 3 3 2 2 Monthly 6 7 7 4 4 3 3 1 1 1 1 2 1 1 0 0 4 3 1 1 1 1 1 2 1 1 0 0 4 3 1 1 1 1 1 1 2 1 1 0 0 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 0 0 1 1 -1 -3 -3 -3 -7 7 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Visibed  ***ISE 1 100 5 9  **ISE 1 100 5 9  **ISE 1 100 5 9  **ISE 2 100 5	19.235 7.201 3.009 11.745 4.861 11.745 4.861 11.745 4.861 11.745	0.66 0.7 0.1 0.1 0.8 0.4 0.4 0.6 0.1 0.2 0.6 0.6 0.1 0.9 0.7 0.6 0.9 0.7 0.6 0.9 0.7 0.7 0.1 0.9 0.7 0.1 0.9 0.7 0.1 0.9 0.7 0.1 0.9 0.7 0.1 0.9 0.7 0.1 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.8 1.1 1.2 0.7 0.8 0.7 0.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 0 1	2 0 0 0 1 1-1 -3 3 7 7 10 1 1 -1 9 -6 6 17 7 7 1 1 1 -1 -3 3 4 8 3 5 5 3 1 1 3 2 2 0 4 4 2 2 3 3 -14 6 4 4 7 7 Year 1
Villode Villod	19.235 7.3015 9.489 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745	0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.6 0.1 0.2 0.2 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.7 0.7 0.8 0.7 2.7 2.4 4 0.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 00 1 1 1 1 3 3 2 7 7 1 1 1 1 9 9 6 6 7 7 7 1 1 1 1 1 3 3 3 4 3 3 6 5 5 3 3 4 4 4 4 4 4 4 4 4 5 5 3 3 3 5 3 3 5 4 4 4 4
Villode Villod	19.235 7.201 3.009 11.745 4.861 11.745 4.861 11.745 4.861 11.745	0.6 0.6 0.4 0.6 0.6 0.4 0.6 0.6 0.4 0.5 0.5 0.6 0.4 0.5 0.5 0.6 0.4 0.5 0.5 0.6 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 1 0 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1	2 0 0 0 1 1-1 -3 3 7 7 10 1 1 -1 9 -6 6 17 7 7 1 1 1 -1 -3 3 4 8 3 5 5 3 1 1 3 2 2 0 4 4 2 2 3 3 -14 6 4 4 7 7 Year 1
Visibed Visibe	19.235 7.2019 9.48	0.6. 0.3 0.2 0.7 0.1 0.8 0.4 0.6 0.6 0.6 0.7 0.7 0.4 0.6 0.6 0.7 0.4 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.5 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 1	2 0 0 0 1 1 -1 1 -1 1 1 1 1 1 1 1 1 2 1 2 1 2 1
Visible of State of S	19.235 7.3015 9.469 9.469 9.469 9.469 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745	0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.6 0.2 0.9 0.6 0.6 0.2 0.9 0.6 0.6 0.2 0.9 0.6 0.6 0.2 0.9 0.6 0.6 0.5 0.7 0.9 0.6 0.6 0.7 0.9 0.6 0.6 0.7 0.9 0.6 0.6 0.7 0.9 0.7 0.9 0.6 0.6 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.5 0.6 1.1 1.2 0.7 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1	2 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Villode  Vil	19.235 7.3015 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 11.74	0.6. 0.3 0.2 0.7 0.1 0.8 0.8 0.8 0.9 0.8 0.9 0.8 0.1 0.1 0.2 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.6 1.1 1.2 0.7 0.7 0.8 2.5 1.2 1.4 1.6 1.1 1.1	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1	0 0 0 1 1 -1 1 -1 1 1 1 1 1 1 1 1 1 1 1
Visibed  **INSECT   Visible   Visibl	19.235 7.2019 7.	0.6. 0.3 0.2 0.7 0.7 0.7 0.7 0.8 1.6 0.9 0.9 0.8 0.1 0.0 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 0.6 1.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	1 1 0 1 1 1 0 0 2 1 1 1 1 1 0 0 1 1 1 1	0 0 0 1 1 -1 1 -3 -3 -3 7 7 7 1 1 1 1 1 1 3 3 4 4 3 3 3 4 1 4 4 2 7 7 7 1 1 4 4 2 5 5 4
Nisole  STEET TOO  BEX  DAX  CAC  BEX  DAX  CAC  GAR  BEX  BEX  BOAN  BO	19.235 7.3015 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 12.168	0.6. 0.3 0.2 0.3 0.2 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.7 0.6 1.1 1.1 0.1 0	1 1 0 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1	0 0 0 1 1 -1 1 -3 -3 -3 7 7 10 0 1 1 -1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Villoder Vil	19.235 7.3015 9.489 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 11.74	0.6. 0.3 0.2 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.6 0.1 0.0 0.7 0.7 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 0.6 1.1 0.6 1.1 0.7 0.7 0.7 0.8 2.5 0.8 2.5 1.0 0.8 2.5 1.0 0.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 1 0 1 1 1 0 0 2 2 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 -1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Visibed  **INSECT   Visible   Visibl	19.235 7.2019 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 4.716 6.726 6.	0.6. 0.3 0.2 0.3 0.2 0.3 0.2 0.6 0.6 0.6 0.7 0.6 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.7 0.9 0.9 0.7 0.9 0.9 0.7 0.9 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.77 0.61 11.11 0.61 11.12 0.70 0.70 0.70 0.70 0.70 0.81 2.55 2.54 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.4	1 1 0 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1	0 0 0 1 1 -1 3 3 3 3 5 3 3 4 4 4 2 2 3 5 4 4 4 4 2 2 3 3 2 2 1 1
Visibed  **INSECT   100	19.235 7.2019 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745	0.6. 0.3 0.3 0.7 0.7 0.6. 0.6. 0.6. 0.6. 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.	0.77 0.61 11.11 0.61 11.12 0.70 0.70 0.70 0.70 0.70 0.82 2.55 2.64 4.14 1.66 1.166 1	1 1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	0 0 0 1 1 -1 3 3 3 3 7 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nisode  ST-SE TOO  BEX  DAX  CAC  CAC  SIES  BEX  DAX  CAC  CAC  SIES  S	19.235 7.3015 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 5.023 2.188 9.741 11.745 1	0.6. 0.3 0.3 0.3 0.7 0.1 0.8 0.4 1.6 0.4 1.6 0.6 0.2 0.6 0.2 0.6 0.2 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.7 0.6 1.1 1.1 0.6 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 0 1 1 1 1 4 6 6 2 1 1 9 9 9 7 4 4 8 7 7 7 4 4 3 3 1 1 1 1 5 1 1 1 1 1 5 1 1 1 1 1 1 1	0 0 1 1 -1 1 -1 1 1 1 1 1 1 1 1 1 1 1 1
Nisode State	19.235 7.2015 9.489 9.489 9.489 9.489 11.745	0.6. 0.3 0.3 0.3 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 (1.6) (1	1 1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	0 0 0 1 1 -1 3 3 3 3 7 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Visibed  **INSECT   Visible   Visibl	19.235 7.2019 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 4.716 4	0.6. 0.3 0.3 0.3 0.7 0.1 0.8 0.4 1.6 0.4 1.6 0.6 0.2 0.6 0.2 0.6 0.2 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.7 (1.6) (1	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 1 1 3 3 3 3 3 3 3 4 4 4 4 4 4 2 2 3 3 2 2 1 1 1 1 1 2 2 1 1 1 1 1 2 2 0 0 0 0
Nicote State	19.235 7.3015 9.469 9.469 9.469 9.469 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 11.7	0.6 0.3 0.3 0.3 0.3 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.11 1.0 0.6 1.12 0.7 0.7 0.7 0.7 0.7 0.8 2.2 2.4 1.4 1.6 1.6 1.3 3.6 1.6 1.3 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3.7 3	1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 1 1 3 3 3 3 7 7 1 1 1 1 4 4 2 3 3 5 3 3 1 1 3 2 2 0 0 4 4 4 2 2 3 3 2 2 1 1 1 1 1 1 1 2 1 2 2 2 1 1 1 1
Nisode  **SEE TOO  **S	19.235 7.3015 9.489 9.489 9.489 9.489 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 4.861 11.745 11	0.6 (0.6 (0.6 (0.6 (0.6 (0.6 (0.6 (0.6 (	0.7 0.6 1.1 1.1 0.2 0.2 0.3 0.2 0.5 0.5 0.2 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3





D ebt markete	s(10V % ct	anges in t	no)		
Developed Markets US (2-yr)	1.19	Daily -1.2	Week 0.1	Month -3	YTD -2
US GER (2-yr)	2.41	-1.2 -3.4 -4.0	0.6	-2 -10	-2 -3 -4
Germany	0.30	-5.0	-2.4 -2.1	-6	2
France Spain	1.04	2.3	-1.8 -7.8	21 18	23 19
Italy Portugal	2.18 4.03	2.4 5.2	-9.1 -8.1	22 20	31 14
Greece	7.84	5.3	44.9	75	96
Japan (2-yr) Japan	0.09	-0.1 0.2	-2.9 3.7	-1 3	-5 3
Emerging Markets Brazil	10.41	Daily -4.5	Weekly	Monthly -65	-100
Chile Colombia	4.20 6.86	3.6 0.0	7.1 1.4 16.8	-4	-13 -23
Mexico	7.43 6.15	1.6	10.6	-26	-21
Peru Poland	6.15 3.83	-0.1 -0.6	2.2 -0.9	-2 20	-32 11
Russia Turkev	8.31 10.65	-1.6 1.0	7.2 -5.0	13 -41	-13 -35
India	6.85	0.6	4.7	40	47 -30
Indonesia Country ri	7.54 isk (bp, chang		2.0	2	-30
	level	Daily	Weekly	Monthly	YTD
10-yr sovereign spread vs Germany France	74	7.3	0.3	27	21
Italy	188	7.4	-7.0 -6.0	28	29
Portugal Spain	374 133	10.2 7.1	-5.7	25 23	12 17
2-yr sovereign spread vs Germany France	31	3.5	4.8	17	21
Italy	80	5.3	1.4	18	19
Portugal Spain	83 56	5.6 4.9	-3.7 4.2	-6 14	2 8
Emerging Markets	level	Daily	Weekly	Monthly	YTD
5-yr so vereign CDS * Brazil	227	8	-3	-19	-45
Chile	82	3	4	1	0
Colombia Mexico	144 155	4 6	-1 3	-4 -13	-19 -1
Peru	107	3	2	2	- 4
Venezuela Poland	3.512 69	59 0	114	-296 -1	-393 -6
Russia	175	10	-2	-5	-2
Turkey China	233 98	0	-15 -7	-46 -16	-39 -18
India	110	3	-1	-12	-17
Indonesia Ri	137 sk indicators	0	-2	-14	-19
Volatilty indicators (%)	level	Daily	Weekly	Monthly	YTD
VIX VST OXX	12 15	1.3 -4.1	10 -2	-5 -1	-2
EM EFT volatility Index	16	3.5	1	-12	-19
Dollar/euro volatility EM FX volatility index	8 10	0.6 -0.6	-4 -4	-7 -10	-19 -12
Credit spread (BAA) (bps)	224 68	3.4 4.1	0	-1 -8	-3 -11
US bonds volatility index Banking 5y CDS (bps) *	level	Daily	Weekly	-8 Monthly	YTD
US EZ	66 113	0.0	-2 -1	-7 5	-6 5
UK	113 81	0.2	-1 -2	-11	-9
Large Spanish	113	2.5	0	-6	-4 2
Medium Spanish Corporate 5y CDS (bps) *	154 level	1.4 Daily	-3 Weekly	-2 Monthly	YTD
US Non-financial EZ Non-financial	142 100	0.0 2.4	-2 -1	-7 5	-6 5
UK Non-financial	113	0.8	-4	-10	-11
Interbank ma	arkets (%, ch	inges in b	p) Weekly	Monthly	YTD
EONIA Index	-0.35	0.00	0.0	0.0	0.0
Euribor 3m Euribor 12m	-0.33 -0.11	0.00	0.0	0.0	0.0
Libor 3m	1.06	0.01	0.0	0.0	0.1
Libor 12m EZTED spread 3m	1.75 55.6	0.02	0.1 6.5	0.0 2.0	0.1 -10.8
	ck markets (				
Main indices	level	Daily	Weekly	Monthly	YTD
S&P500	2,343	-0.2	1.2	3	3
	20 554	0.2	1.4		
Dow Jones Nikkei	20,551 19,235	-0.3 -0.6	1.4 -0.7	2	3 -2
Dow Jones Nikkei FTSE 100	20,551	-0.3 -0.6 0.3 -0.2	-0.7 0.6	4 2 1 0	-2 2 0
Dow Jones Nikkei FTSE 100 EuroStoxx 50 IBEX	20,551 19,235 7,301 3,305 9,489	-0.6 0.3 -0.2 -0.7	-0.7 0.6 1.1 1.2	1 0 1	-2 2 0
Dow Jones Nikkei FTSE 100 EuroStoxx 50 IBEX DAX CAC	20,551 19,235 7,301 3,305 9,489 11,745	-0.6 0.3 -0.2	-0.7 0.6 1.1 1.2 0.7	1 0	-2 2 0
Dow Jones Nikkei FTSE 100 EuroStoxx 50 BEX BDX CAC	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4	-0.7 0.6 1.1 1.2 0.7 0.7 0.8	1 0 1 1 0 -2	-2 2 0 0 1 -1 -3
Dow Jones Viládes FTSE 100 EuroStoxx 50 BIBCX DAX CAC MIB ASE Athens MSCL Latam *	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639	-0.6 0.3 -0.2 -0.7 -0.1 -0.8	-0.7 0.6 1.1 1.2 0.7 0.7	1 0 1 1	-2 2 0 0 1
Dow Jones Nikler FTSE 100 EuroStox 50 IBEX DAX CAC MIB MSC Attens MSCI Latam* Ibovespa (Bazil)	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4	1 0 1 1 0 -2 -1 4 6	-2 2 0 0 1 -1 -3 -3 7
Dow Jones Mikler FTSE 100 EEGOTOXX 50 BIGO DAX CAC MIB BASE Alterns MSG Latam * Blovepa Blazin Medod Medod Medod Medod	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4	1 0 1 1 0 -2 -1 4 6 2	-2 2 0 0 1 -1 -3 -3 7 10 1 -1
Dow Jones Nikles FTSE 100 EECOSON 50 BEX DAX CACAC MAS BSG Latam * Booleans Booleans MSG Latam * MSG L	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6 -1.2	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6	1 0 1 1 0 -2 -1 4 6 2 1	-2 2 0 0 1 -1 -3 -3 7 10 1 -1 9
Dow Jones Nikke FTSE 100  Exercisions 50  BEX  OCAC  GAC  MIS  MSC JALIAN*  INDOVERSION  MSC LALIAN*  INDOVERSION  MORE CARE  MED CARE	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 0.7	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.6	1 0 1 1 0 -2 -1 4 6 2 1 9 -2 7	-2 2 0 0 1 -1 -3 -3 7 10 1 -1 9 -6
Dow Jones Notes FTSE 100 FTSE 100 DAX DAX CAC MIB MSC AGREEM* Historian Grazille Montal Grazille MSC IDM Europe* MSC IDM Europe MSC IDM Europe MSC IDM Audus	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 8,830 744	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6 -1.2 -0.9 0.7	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.6 1.3	1 0 1 1 0 -2 -1 4 6 2 1 9	-2 0 0 1 -1 -3 -3 7 10 1 -1 9 -6 17 7
Dow Jones Nikises FFSE 100 Excessors 50 BBX DAX CAC CAC MMB MB MSG Latam* Ibovepap (Grazi) Medool	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 0.7	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.6	1 0 1 1 0 -2 -1 4 6 2 1 9 -2 7 4	-2 2 0 0 1 -1 -3 -3 7 10 1 -1 9 -6
Dow Jones Nikke FTSE 100 EEUCSDOX 50 BEX DOWN BEX DOWN BEX DOWN BEX DOWN BEX	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 47,118 5,023 2,188 2,128 88,830 7,44 3,202	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6 -1.2 -0.9 0.7 0.4 -0.9	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.3 0.2 -0.4 Weekly	1 0 1 1 0 -2 -1 4 6 2 1 9 -2 7 4 3 2 Monthly	-2 2 0 0 1 -1 -3 -3 7 10 1 -1 9 -6 17 7
Dow Jones Nikke FTSE 100 EExcotions 50 BEX DOX ACA ACA ACA ACA ACA ACA ACA ACA ACA AC	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 7,44 3,202 5,351 level 123,5	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 -0.4 -0.9 -0.6 -0.1 -0.9 -0.6	-0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 -1.6 -1.6 -1.6 1.3 0.2 -0.4 Weekly 3.8 3.7	1 0 1 1 0 -2 -1 4 6 2 1 9 -2 7 4 3 2 2 Monthly 6 7	-2 2 0 0 1 -1 -3 -3 -7 10 1 -1 -1 -9 -6 17 7 1 1 YTD 3
Dow Jones Nikke FTSE TIO  GERMSON SO  BEX  MEX  ACAC  ACAC  MIB  ACAC  MIS  MISC LINE  M	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 8,830 744 3,202 5,351 level	-0.6 0.3 0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 0.6 -1.2 -0.9 0.7 0.4 -0.9 -0.6 -0.6 -0.6 -0.6 -0.6	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 0.4 1.6 1.6 1.3 0.2 0.4 Weekly 3.8 3.7	1 0 1 1 0 -2 -1 1 4 6 2 1 9 -2 7 4 3 3 2 Monthly 6	-2 2 0 0 1 -1 -3 -3 -7 10 1 -1 -9 -6 17 7 7 1 1
Dow Jones Nikke FTSE 100 Exception 50 BBX BBX BBX BBX BBX BBX BBX BBX BBX BB	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 47,118 5,023 2,188 2,128 88,830 7,44 3,202 5,351 level 123,5 90,2 24,4	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 -1.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.9 -0.7 -0.6 -0.1 -0.9 -0.6 -0.1 -0.9 -0.6 -0.1 -0.9 -0.6 -0.1 -0.9 -0.6 -0.1 -0.9 -0.6 -0.1 -0.9 -0.6	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 1.6 1.6 1.6 1.3 0.2 -0.4 Weekly 3.8 3.7 3.9 5.7 2.5	1 0 1 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-2 2 0 0 1 -1 -3 -3 -3 7 10 1 -1 -1 9 -6 -6 17 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dow Jones Wikke FTSE 100 BEX FTSE 100 BEX DOWN BEX DOWN BEX DOWN BEX	20.551 19.235 7.301 3.305 9.489 11.745 4.861 19.017 639 78.180 67.689 47.118 5.023 2.188 88.830 7.44 3.202 5.351 level 123.5 99.9 24.4 45.8 250.0 96.9	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 -0.6 -0.1 -0.2 -0.4 -0.9 -0.7 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -0.4 -0.9 -	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.4 0.4 1.6 -1.6 1.3 0.2 -0.4 Weekly 3.8 3.7 3.9 5.7 2.5 3.0 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	1 0 1 1 0 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 1	-2 2 0 0 1 1 -3 -3 7 7 10 1 -1 -1 9 -6 -6 17 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dow Jones Nikke FTSE TIO  GERMAN HERNOSONS 50 HERN HERNOSONS 50 HERNOSONS HE	20,551 19,235 7,301 3,005 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 744 3,202 5,351 level 123,5 90,2 90,2 90,2 90,2 90,2 90,2 90,2 90,2	-0.6 0.3 -0.2 -0.7 -0.1 -0.8 -0.4 1.6 -0.1 -0.2 -0.4 -0.6 -1.2 -0.7 0.4 -0.9 -0.6 -0.1 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6	-0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 -1.6 -1.6 1.3 0.2 -0.4 Weekly 3.8 3.7 3.9 5.7 2.5 3.0 1.1 -1.1 -1.2 -1.2 -1.3 -1.4 -1.4 -1.6 -1.	1 0 1 1 1 0 2 2 1 1 4 6 6 2 1 9 9 2 2 7 4 3 2 2 Monthly 6 7 4 4 8 7 7 7 4 4 7 7 7 4 4 7 7 7	-2 2 0 0 1 1-1 -3 -3 -7 7 7 10 1 1-1 1-1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dow Jones Nikke FTSE TIO  GERMSON 50 BEX  BEX  BEX  BEX  BEX  BEX  BEX  BEX	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 88,830 7,44 3,202 59,9 24,4 45,8 250,0 96,9 55,7 11,8	-0.6 0.3 0.2 0.7 0.1 0.8 0.4 0.6 1.6 0.0 0.6 1.2 0.7 0.4 0.9 0.7 0.4 0.9 0.5 0.4 0.9 0.5 0.4 0.9 0.2 0.4 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.8 2.5 2.7 2.4 1.4 0.4 1.6 1.6 1.3 3.7 3.9 2.5 5.7 2.5 1.6 1.6 1.6 1.3 3.7 3.9 3.8 3.7 3.9 3.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	1 0 1 1 1 1 0 -2 -1 1 4 6 2 1 1 9 -2 7 4 3 3 2 2 Monthly 6 6 7 4 4 8 7 7 7 -4 4 3 3 3	-2 2 0 0 1 1 -3 -3 -3 7 7 10 1 -1 1 9 -6 5 17 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dow Jones Notes FTSE 100 FTSE 100 FTSE 100 DAX DAX CAC MIB MSC ARCHEN MIB MSC ARCHEN MSC MSC ARCHEN MSC MSC ARCHEN MSC MSC ARCHEN MSC	20,551 19,235 7,301 3,305 9,489 11,745 639 78,180 67,689 47,118 5,023 2,188 2,128 88,830 744 3,202 5,351 ievel 123,5 90,2 45,8 96,9 96,9 96,9 96,9 96,9 96,9 96,9 96	0.6 0.3 0.2 0.7 0.1 0.8 0.6 0.1 0.1 0.2 0.9 0.7 0.4 0.9 0.5 0.4 0.9 0.5 0.2 0.9 0.8 0.2 0.9 0.8 0.2 0.9 0.8 0.2 0.9 0.8 0.2 0.9 0.8 0.6 0.2 0.9 0.8 0.8 0.2 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.8 0.9 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 4.4 0.4 1.6 1.6 1.6 1.3 0.2 -0.4 3.8 3.7 5.7 5.3 0.7 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 0 1 1 1 0 0 2 2 1 1 1 0 0 0 1 1 1 1 1	-2 2 0 0 1 -1 -3 -3 -3 7 7 10 1 -1 -1 -1 1 7 7 7 1 1 1 1 1 1 1 1 1 1
Dow Jones Wikkel #TSE TOD #TSE	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 48,2128 88,830 744 3,2023 2,188 88,830 744 3,2021 123,5 90,2 5,351 level 123,5 90,2 5,95,7 11,8 18,2 13,4 2,2 13,4	0.6 0.3 0.2 0.7 0.1 0.8 0.4 0.6 0.1 0.2 0.2 0.7 0.4 0.9 0.7 0.4 0.9 0.5 0.4 0.9 0.7 0.4 0.9 0.8 0.2 0.2 0.9 0.8 0.2 1.9 1.8 1.0 0.5 0.5 0.2 1.9 1.8 1.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	-0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.7 2.5 2.7 2.4 1.4 1.6 1.6 1.3 0.2 0.4 4 1.6 1.3 3.7 3.8 3.7 2.5 5.7 2.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1 0 1 1 1 0 0 -2 1 1 4 6 6 2 1 1 9 9 -2 7 4 3 3 2 2 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 2 0 0 1 1 -1 -3 -3 7 7 10 9 6 6 17 7 7 1 1 1 1 1 1 3 3 4 4 -3 3 4 4 -4 5 5 5 5 3 8 6 6 7 7 7 7 7 7 8 7 8 7 8 8 7 8 8 8 8
Dow Jones Wikke FTSE TOD  TEMPORATE TO THE TOTAL TO THE T	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 82,128 88,830 7,44 3,202 5,351 1evel 123,5 90,2 96,9 96,9 11,8 2,18 12,18 12,18 12,18 12,18 13,18 14,18 15,18 16,18	0.6 0.3 0.2 0.7 0.1 0.8 0.4 0.6 0.1 1.6 0.1 0.2 0.9 0.7 0.4 0.9 0.7 0.5 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.7 2.5 2.7 2.4 1.6 1.6 1.6 1.6 1.3 3.7 3.8 3.7 2.5 5.7 2.5 0.2 0.2 0.2 0.1 1.1 1.1 1.2 0.2 0.2 0.2 0.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	1 0 1 1 1 0 0 -2 -1 4 4 6 2 1 1 9 -2 7 4 4 8 7 7 7 4 4 8 7 7 7 -4 4 3 3 1 1 -10 -7 -5 5	-2 2 0 0 1 -1 -3 -3 -7 -7 10 1 -1 -1 -9 -6 -6 -17 -7 1 1 -1 -1 -3 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
Down Jones Nikled FTSE TOD TSE	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,188 88,830 744 3,202 5,351 1evel 123,5 99,9 24,4 45,8 25,9 96,9 11,8 11,8 11,8 11,8 11,8 11,8 11,8 11	0.6 0.3 0.2 0.7 0.1 0.8 1.6 0.1 0.2 0.4 0.6 1.2 0.9 0.6 0.7 0.4 0.9 0.0 0.5 0.0 0.8 0.0 0.2 0.4 0.5 0.7 0.8 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 1.4 1.6 1.6 1.6 1.6 1.3 0.2 2 1.3 3.7 3.9 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	1 0 1 1 1 0 0 -2 1 1 1 6 2 1 1 9 2 2 7 7 4 4 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 0 0 0 1 1 1 1 1 3 3 7 7 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Dow Jones White FTSE TOD TEMPORED TO THE TOTAL TO THE TOT	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 47,118 0,17 1,180 63,180 62,189 1,180 63,180 62,188 88,830 7,44 3,202 5,351 level 123,5 90,2 5,351 1,180 5,351 1,180 5,351 1,180 1	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.4 0.6 1.2 0.4 0.9 0.7 0.4 0.9 0.7 0.4 0.9 0.5 0.4 0.9 0.5 0.4 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 1.4 1.6 1.6 1.6 1.6 1.3 0.2 2.5 2.7 2.4 1.4 1.6 1.3 0.2 1.6 1.3 0.2 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 1 0 0 -2 1 1 4 6 2 1 1 9 9 -2 7 7 4 3 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2 2 0 0 1 1 -1 -3 -3 -7 7 10 1 -1 -1 -9 -6 -6 -5 -3 -4 -4 -1 -1 -3 -3 -4 -4 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Dow Jones Wikke FTSE 100  GENERAL STREET FTSE 100  GENERAL STREET	20,551 19,235 7,301 3,305 9,489 11,745 4,861 19,017 639 78,180 67,689 47,118 5,023 2,128 88,830 74 123,5 90,2 5,351 124,1 128,2 124,4 4,5 18,18 18,2 12,4 4,5 18,18 18,2 13,2 12,3 12,4 2,2 13,4 2,2 13,4 2,2 13,4 2,2 13,4 2,2 13,4 2,2 13,4 2,2 13,6 18,8 706,4 24,2 706,4	0.6 0.3 0.2 0.7 0.1 0.8 1.6 0.1 0.2 0.4 0.1 0.2 0.4 0.9 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	-0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.7 2.5 2.7 2.4 1.4 1.6 1.6 1.3 3.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9	1 0 1 1 1 0 0 -2 1 4 6 6 2 1 1 9 9 -2 7 4 4 8 7 7 7 4 4 9 7 7 4 4 1 1 1 1 0 7 5 5 4 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1	-2 2 0 0 1 -1 -1 -3 -3 -7 -7 1 1 -1 1 -1 1 -7 7 7 1 1 1 1 1 1
Down Jones Nikled FTSE TOD TSE	20551 19,235 7,301 11,745 4,861 7,819 7,819 88,839 7,819 7,8	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.9 0.7 0.4 0.9 0.5 0.5 0.2 1.9 0.2 1.9 0.2 1.9 0.2 1.9 0.3 0.2 1.9 0.3 0.2 1.9 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	-0.7 -0.6 -1.1 -1.2 -0.7 -0.7 -0.7 -0.8 -2.5 -1.4 -0.4 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6	1 0 1 1 1 0 0 -2 1 1 1 4 4 6 6 2 1 9 2 2 7 7 4 3 3 2 2 Moorthy 6 6 7 7 4 4 8 8 7 7 7 4 4 3 3 1 1 -10 -7 -5 5 4 1 1 1 1 4 3 3 1 1 2 2	-2 2 0 0 1 1 -1 -3 -3 -3 -7 -7 -10 1 1 -1 -1 -9 -6 -6 -5 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7
Down Jonnes White FTSE TOD TEXT STORY THE TOD TO THE TOD	20551   19,215   2051	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.9 0.7 0.4 0.9 0.5 0.5 0.9 0.2 1.9 0.8 0.2 1.9 0.2 1.9 0.2 1.9 0.3 0.2 1.9 0.3 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.7 0.6 1.1 1.2 0.7 0.7 0.7 0.8 2.5 2.7 2.4 1.6 1.6 1.3 3.0 2 9.0 4 1.1 0.1 1.6 1.6 1.3 3.7 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 1	-2 2 0 0 1 1 -1 -3 -3 -3 -7 -7 -10 1 -1 -1 -9 -6 -6 -17 -7 -7 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Down Jones Wake FTSE TOD  TEXT STEP  TEXT	20551   19,215   2051	0.6 0.3 0.3 0.2 0.7 0.7 0.1 0.8 0.8 0.4 1.6 0.1 0.2 0.9 0.5 0.5 0.6 0.2 0.9 0.8 1.9 0.5 0.6 0.2 0.7 0.4 1.8 1.0 0.5 0.5 0.6 0.2 0.7 0.4 1.5 1.5 1.1 1.5 0.5 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 2.7 4.1 4.1 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1	1 0 1 1 1 0 0 2 1 1 1 4 6 6 2 1 1 9 2 7 4 4 3 3 1 1 1 10 0 4 4 1 1 1 2 1 1 0 4 4	-2 0 0 1 1-1-3 -3 -3 -7 -7 10 1-1-1 17 7 1 1 1 1-1 1 3 3 4 -3 -3 -4 -4 -1-1 -3 -3 -4 -1-1 -3 -3 -3 -3 -1-1 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3
Down Jones Wake FTSE 100  TEXT SE 100  TEXT	20.551 19,215 7.301 11,745 4.17 639 7.8180 19,017 7.8180 19,017 7.8180 19,017 1	0.6 0.3 0.2 0.7 0.1 0.8 0.4 1.6 0.1 0.2 0.9 0.7 0.4 0.9 0.5 0.5 0.9 0.2 1.9 0.8 0.2 1.9 0.2 1.9 0.2 1.9 0.3 0.2 1.9 0.3 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 2.5 2.7 2.4 4.1,4 1.6 4.1,6 4.	1 0 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1	-2 0 0 1 1-1-3 -3 -3 7 7 10 1 1-1-1 17 7 1 1 1 1 1 1 1 1 1 1 1 1 1
Down Jones White FTSE TOD  INCOMES FTSE TOD  INC	20551   19,215   20,000   19,215   20,000   11,745   20,000   11,745   20,000   11,745   20,000   11,745   20,000   11,745   20,000   20,0	0.6 0.3 0.2 0.7 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	-0.7 -0.6 -1.1 -1.2 -0.7 -0.8 -1.2 -0.7 -0.8 -1.2 -1.2 -1.2 -1.3 -1.4 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6 -1.6	1 0 1 1 0 0 1 1 1 0 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 0 0 1 1 -3 -3 -3 7 7 10 1 1 -1 1 7 7 7 1 1 1 1 7 7 7 7 1 1 1 3 3 4 4 -3 -3 -3 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4
Down Jones Wake FTSE TOD  TEXT STEP  TEXT	20.551 19,215 7.301 19,215 7.301 14,261 14,261 14,261 14,261 14,261 14,261 14,261 14,261 14,261 14,261 16,2	0.6 0.3 0.2 0.7 0.1 1.6 0.6 0.1 1.6 0.1 1.6 0.1 1.6 0.2 0.4 0.5 0.6 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.7 0.8 2.5 2.7 2.4 1.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 0 0 1 1-1-3 -3 -3 7 7 10 1 1-1-1 17 7 1 1 1 1 1 1 1 1 1 1 1 1 1
Down Jonnes  (Model  Missel  TSE 100  TSE ABONE  TSE A	20.551 19,215 7.3016 11,745 14,861 19,017 14,861 19,017 16,898 16	0.6 0.3 0.2 0.7 0.1 1.6 0.6 0.1 0.2 0.4 0.9 0.7 0.5 0.6 0.2 1.9 0.2 1.9 0.2 1.9 1.5 0.6 0.2 1.9 1.5 0.6 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 2.5 2.7 1.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 1 -1 1 -1 1 -1 1 1 1 1 1 1 1
Down Jonnes  (Mischel 175E 100	20.551 19,215 7,3016 11,745 119,215 7,3016 11,745 119,217 119,	0.6 0.3 0.2 0.7 0.1 0.6 0.6 0.1 0.2 0.4 0.9 0.5 0.6 0.6 0.1 1.5 1.1 1.2 1.3 1.2 1.7 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 2.5 2.7 2.7 2.4 1.6 1.6 1.6 1.6 1.6 1.3 3.7 2.5 2.7 2.7 3.9 9.0 1.1 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 3 3 9 7 7 10 1 1 -1 1 9 9 -6 7 7 7 1 1 1 1 1 1 2 8 3 3 -1 1 4 -1 2 8 3 3 -1 1 4 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 8 -1 2 8 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1 4 4 3 3 -1
Down Jonnes Wikkel TSE TOD TSE	20.551   19,215   20.551   19,215   20.551   20.	0.6 0.3 0.2 0.7 0.1 0.5 0.6 0.6 0.2 0.2 0.4 0.4 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.7 0.8 1.2 0.7 0.8 2.5 2.7 1.4 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 0 0 1 1 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Down Jones Nikled FTSE TOD FTS	20.551 19,215 7,307 19,215 7,307 11,705 639 11,745 639 639 639 639 639 639 639 639 639 639	0.6.6 0.3 0.2 0.7 0.1 0.1 0.8 0.4 0.4 0.1 0.1 0.2 0.4 0.4 0.1 0.2 0.6 0.6 0.1 0.9 0.6 0.6 0.7 0.7 0.7 0.9 0.6 0.6 0.7 0.7 0.7 0.9 0.6 0.6 0.7 0.7 0.9 0.6 0.6 0.7 0.9 0.6 0.6 0.7 0.9 0.6 0.6 0.7 0.9 0.7 0.9 0.6 0.6 0.7 0.9 0.7 0.9 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 -3 3 7 7 10 1 1 1 1 9 -6 6 17 7 7 1 1 1 1 1 1 -3 -6 6 5 3 3 4 -1 1 -3 -1 4 -1 2 -8 3 3 5 3 1 1 3 3 5 3 3 1 1 3 -2 2 0 -4 -2 -3 -1 -1 4 -4 -2 2 Year 1 1 1 -4 -2 2 Year 2 2 Year 2 2 2 3 3 -1 4 -4 -7 7 Year 3 1 1 1 -4 -2 2 Year 3 1 1 1 1 1 -4 -2 2 Year 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Down Jones White FTSE TOD  GENERAL STATES  GEN	20551   19,215   20051   19,215   20051   2005	0.6.6 0.3 0.2 0.7 0.1 0.1 0.6 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.4 0.6 0.6 0.7 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.8 0.8 0.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 -3 3 -3 -7 7 1 1 1 1 1 1 1 1 3 3 4 -3 -3 -3 -3 -3 -1 4 -1 2 2 2 3 -1 4 -2 3 -1 4 -2 2 3 -1 4 -2 3 -1 4 -2 3 -1 4 -2 3 -1 4 -2 3 -1 4 -2 3 -1 4 -2 3 -1 4 -3 3 -1 4
Down Jones Wake FTSE TOD  TEXT STEP  TEXT	20551   19,215   2016	0.6.0.3 0.2 0.7 0.1 0.1 0.6 0.6 0.6 0.6 0.7 0.6 0.6 0.7 0.7 0.6 0.6 0.7 0.7 0.6 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.8 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1	-2 2 0 0 1 1 -1 -3 3 -3 -3 -3 -3 -3 -3 -1 4 -1 -2 2 3 -1 4 -4 -2 2 Year 1 1 -4 -2 2 Year 1 1 -4 2 2 Year 4 4 4 4 -1 2 2 Year 1 1 -4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Down Jones White FTSE TOD TEST	20.551 19,215 7,3016 11,745 19,217 7,3016 11,745 11	0.6.0.3 0.2.2 0.7 0.1 0.8 0.9 0.8 0.9 0.8 0.9 0.8 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 0 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 1	-2 2 0 0 1 1 -1 -3 3 -3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5
Down Jones White FTSE TOD FTSE	20.551 19,215 7,3015 19,215 7,3015 11,481 19,017 7,8109 11,481 19,017 7,8109 11,481 19,017 7,8109 11,481 19,017 1,8109 11,481 19,017 1,8109 1,	0.6. 0.3 0.2 0.7 0.1 0.1 0.7 0.1 0.6 0.7 0.8 0.9 0.8 0.1 0.6 0.1 0.2 0.9 0.8 0.9 0.8 0.9 0.9 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 1.2 0.7 0.7 0.8 0.9 0.9 0.9 0.9 0.9 0.1 1.9 0.1 0.2 0.1 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	1 0 1 1 1 0 2 2 1 1 1 1 0 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 3 3 3 3 3 3 3 3 3 4 4 1 1 1 1 4 4 2 2 3 1 1 1 1 1 4 4 2 2 3 4 4 4 2 2 5 5 4 4 2 5 5 4
Down Jones Nikled FTSE TOD TEXT STORY TOD TEXT STOR	20.551 19,215 7,301 19,215 7,301 11,745 639 11,745 639 639 639 639 639 639 639 639 639 639	0.6. 0.3 0.2 0.7 0.7 0.7 0.7 0.8 0.8 0.6 0.1 0.0 0.7 0.7 0.7 0.7 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.7 0.7 0.8 0.5 0.7 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1 0 1 1 0 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 1	-2 2 0 0 1 1 1 1 -3 3 -3 7 7 7 7 7 1 1 1 4 -3 3 5 3 3 4 8 1 1 3 3 5 2 2 0 0 4 4 2 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2
Down Jonnes Nikke FTSE TOO  TEXT TOO	20.551 19,215 7,307 19,215 7,307 11,745 639 11,745 639 649 649 659 649 659 649 659 659 659 659 659 659 669 669 67 689 689 689 689 689 689 689 689 689 689	0.6 0.3 0.2 0.7 0.7 0.6 0.5 0.4 0.5 0.5 0.2 0.7 1.9 0.5 0.1 1.1 1.2 1.2 1.3 0.2 1.9 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 3 3 3 4 1 4 4 2 2 3 3 4 4 4 2 2 3
Down Jones Wake FTSE TOD Lawroloxus 50 BDX Lawroloxus 50 BDX	20.551 19,235 7,307 19,235 7,307 19,235 7,307 11,481 19,017 19,01	0.6 0.3 0.2 0.5 0.6 0.6 0.5 0.6 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.6 0.5 0.5 0.5 0.6 0.5 0.5 0.5 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1	-2 2 0 0 0 1 1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Down Jones Nikled FTSE TOD FTS	20.551   19,215   20.551   20.	0.6 0.3 0.2 0.7 0.7 0.6 0.5 0.4 0.5 0.5 0.2 0.7 1.9 0.5 0.1 1.1 1.2 1.2 1.3 0.2 1.9 0.5 0.5 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 3 3 3 4 1 4 4 2 2 3 3 4 4 4 2 2 3
Down Jonnes Wikkel Wikk	20551   19,215   2016	0.6 0.3 0.2 0.1 0.1 0.1 0.1 0.2 0.5 0.6 0.4 0.2 0.2 0.1 1.1 1.2 0.2 0.5 0.6 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.0 0.6 1.1 1.2 0.8 1.2 0.8 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Down Jonnes Nikkel FTSE TOO Land State Sta	20.551   19,215   20.551   20.	0.6	0.7 0.6 1.1 1.2 0.8 1.2 0.7 0.8 1.2 0.8 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1 0 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
Down Jones White FTSE TOD FTSE	20.551 19,215 7,3016 19,215 7,3016 11,745 11	0.6. 0.3 0.3 0.2 0.3 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.0 0.6 1.1 1.2 0.8 1.2 0.8 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1	-2 2 0 0 1 1 1 1 3 3 3 7 7 1 1 1 1 1 1 1 1 1 1 1
Down Jones White FTSE TOD TEST	20.551 19,215 7,307 19,215 7,307 11,481 19,017 7,8,609 11,485 19,017 7,8,609 11,485 19,017 18,609 18	0.6. 0.3 0.2 0.1 0.8 0.4 1.6 0.4 1.6 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 1.2 0.6 0.6 1.2 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	0.7 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1 0 1 1 0 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1	-2
Down Jones Nikled FTSE TOO TEXT STEED OF TEX	20.551 19,235 7,301 19,235 7,301 19,235 7,301 11,486 119,017 7,44 1,486 1,502 1,188 1,502 1,503	0.6. 0.3 0.2 0.3 0.2 0.1 0.8 0.4 1.6 0.4 1.6 0.1 0.6 0.2 0.9 0.7 0.9 0.9 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.2 0.8 1.2 0.7 0.8 1.2 0.	1 0 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Down Jones Nikled FTSE TOO TEXT TOO TEX	20.551 19,215 7,307 19,215 7,307 11,745 639 11,745	0.6. 0.3 0.3 0.3 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.2 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2
Down Jones White FTSE TOD THE MEMORY STATE THE MEMORY STATE THE MEMORY STATE MAN SEA AFTERS MAN	20.551 19,215 7,307 19,215 7,307 11,19,215 7,307 11,19,217 12,188 12,128 13,202 12,188 13,202 12,203 13,203	0.6. 0.3 0.3 0.3 0.3 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.7 0.6 1.1 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2
Down Jones Nikled FTSE TOD TSE	20.551 19,235 7,301 19,235 7,301 19,235 7,301 11,481 19,017 11,481 19,017 11,481 19,017 11,481 19,017 11,481 19,017 11,481 11,48	0.6. 0.3 0.3 0.2 0.1 0.8 0.4 1.6 0.6 0.2 0.2 0.9 0.6 0.6 0.2 0.9 0.6 0.9 0.6 0.9 0.6 0.9 0.9 0.6 0.9 0.9 0.6 0.9 0.9 0.6 0.9 0.9 0.6 0.9 0.9 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	0.7 0.6 1.1 1.0 0.6 1.1 1.2 0.8 1.2 0.8 1.2 0.8 1.2 0.8 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-2



Source: Bloomberg, Datastream and Haver

\* With one day delay

Source: Bloomberg, Datastream and Haver

\* With one day delay

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